

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055831.D
 Acq On : 25 May 2019 6:44
 Operator : JC/SP
 Sample : VN0524WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Quant Time: May 26 22:49:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	347772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	179579	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
35) Dibromofluoromethane	7.59	113	162895	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	10.09	98	608164	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	202306	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	43434	18.557	ug/l	100
3) Chloromethane	2.06	50	63033	19.221	ug/l	99
4) Vinyl Chloride	2.19	62	69289	19.810	ug/l	96
5) Bromomethane	2.54	94	49480	22.612	ug/l	100
6) Chloroethane	2.69	64	41870	19.883	ug/l	94
7) Trichlorofluoromethane	3.01	101	89587	19.537	ug/l	99
8) Diethyl Ether	3.40	74	40152	19.536	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55541	19.403	ug/l	98
10) Methyl Iodide	3.94	142	82115	19.621	ug/l	99
11) Tert butyl alcohol	4.81	59	69462	101.224	ug/l	98
12) 1,1-Dichloroethene	3.72	96	57427	19.416	ug/l	95
13) Acrolein	3.60	56	36049	73.366	ug/l	96
14) Allyl chloride	4.31	41	89283	17.609	ug/l	100
15) Acrylonitrile	4.99	53	154244	97.887	ug/l	99
16) Acetone	3.82	43	125698	79.619	ug/l	98
17) Carbon Disulfide	4.04	76	149570	17.799	ug/l	98
18) Methyl Acetate	4.33	43	68694	20.661	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	192082	19.472	ug/l	100
20) Methylene Chloride	4.55	84	67541	19.754	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	62374	19.630	ug/l	98
22) Diisopropyl ether	5.95	45	190684	19.336	ug/l	95
23) Vinyl Acetate	5.90	43	783863	92.707	ug/l	100
24) 1,1-Dichloroethane	5.84	63	110175	19.188	ug/l	99
25) 2-Butanone	6.84	43	197335	89.500	ug/l	99
26) 2,2-Dichloropropane	6.82	77	53556	10.777	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	79433	21.427	ug/l	94
28) Bromochloromethane	7.19	49	56296	20.593	ug/l	97
29) Tetrahydrofuran	7.22	42	134609	96.406	ug/l	99
30) Chloroform	7.37	83	113455	19.813	ug/l	100
31) Cyclohexane	7.65	56	102872	19.083	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	97836	19.147	ug/l	100
36) 1,1-Dichloropropene	7.79	75	84599	19.148	ug/l	99
37) Ethyl Acetate	6.93	43	81582	19.105	ug/l	99
38) Carbon Tetrachloride	7.77	117	87061	18.917	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	102715	18.774	ug/l	98
40) Benzene	8.04	78	260047	19.529	ug/l	99
41) Methacrylonitrile	7.18	41	37962	17.597	ug/l	97
42) 1,2-Dichloroethane	8.12	62	86022	19.770	ug/l	100
43) Isopropyl Acetate	8.17	43	133882	18.660	ug/l #	90
44) Trichloroethene	8.83	130	75327	20.292	ug/l	100
45) 1,2-Dichloropropane	9.12	63	67851	19.558	ug/l	97
46) Dibromomethane	9.21	93	45666	20.071	ug/l	98
47) Bromodichloromethane	9.40	83	87379	18.729	ug/l	99
48) Methyl methacrylate	9.20	41	65527	19.817	ug/l	98
49) 1,4-Dioxane	9.20	88	27080	394.094	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	408776	96.469	ug/l	99
52) Toluene	10.16	92	168228	20.088	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	85051	17.079	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	95972	17.396	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	67611	20.153	ug/l	99
56) Ethyl methacrylate	10.43	69	100887	19.457	ug/l	99
57) 1,3-Dichloropropane	10.71	76	106773	19.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	168407	84.990	ug/l	99
59) 2-Hexanone	10.75	43	283638	94.356	ug/l	99
60) Dibromochloromethane	10.90	129	72733	18.610	ug/l	99
61) 1,2-Dibromoethane	11.00	107	69143	19.869	ug/l	100
64) Tetrachloroethene	10.63	164	82287	21.795	ug/l	98
65) Chlorobenzene	11.43	112	180196	20.109	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	68273	19.103	ug/l	100
67) Ethyl Benzene	11.51	91	315772	19.650	ug/l	98
68) m/p-Xylenes	11.62	106	242735	39.955	ug/l	98
69) o-Xylene	11.95	106	119430	19.815	ug/l	100
70) Styrene	11.96	104	193810	19.856	ug/l	100
71) Bromoform	12.13	173	54895	18.007	ug/l #	98
73) Isopropylbenzene	12.25	105	316375	22.282	ug/l	99
74) N-amyl acetate	12.07	43	106880	19.705	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	91709	21.358	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	106163	31.791	ug/l #	100
77) Bromobenzene	12.53	156	83471	20.897	ug/l	95
78) n-propylbenzene	12.59	91	324903	19.971	ug/l	99
79) 2-Chlorotoluene	12.67	91	200964	21.479	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	257438	21.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20405	14.667	ug/l	95
82) 4-Chlorotoluene	12.77	91	190409	19.910	ug/l	99
83) tert-Butylbenzene	12.99	119	229474	21.991	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	251132	21.090	ug/l	100
85) sec-Butylbenzene	13.17	105	288592	21.559	ug/l	99
86) p-Isopropyltoluene	13.29	119	259262	19.944	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	127572	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122278	20.335	ug/l	100
89) n-Butylbenzene	13.61	91	188092	18.885	ug/l	100
90) Hexachloroethane	13.87	117	45684	18.464	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	130638	20.703	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15015	18.104	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
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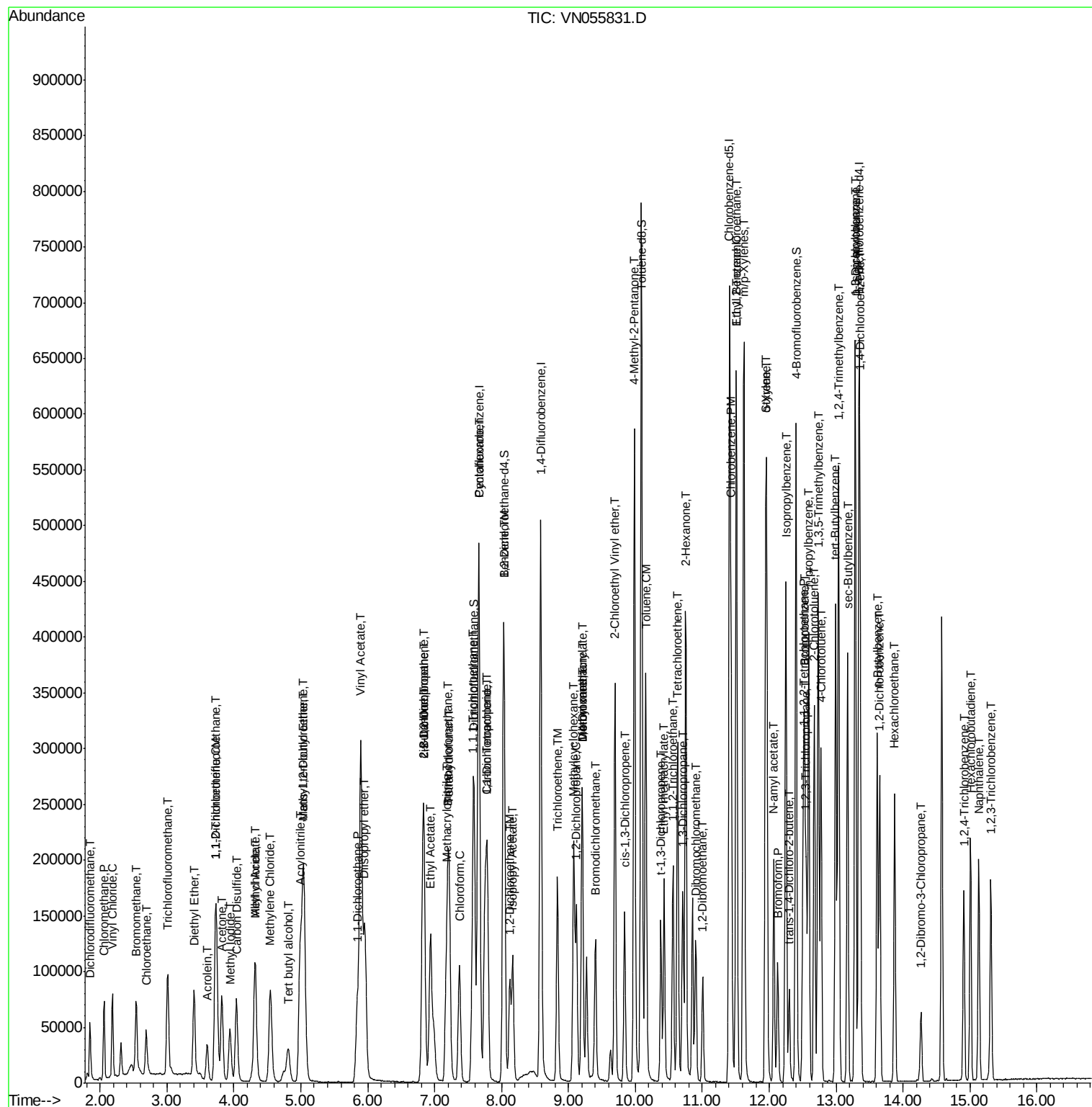
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63408	19.832	ug/l	98
94) Hexachlorobutadiene	15.01	225	49301	21.146	ug/l	99
95) Naphthalene	15.13	128	178823	20.652	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	69522	20.842	ug/l	98

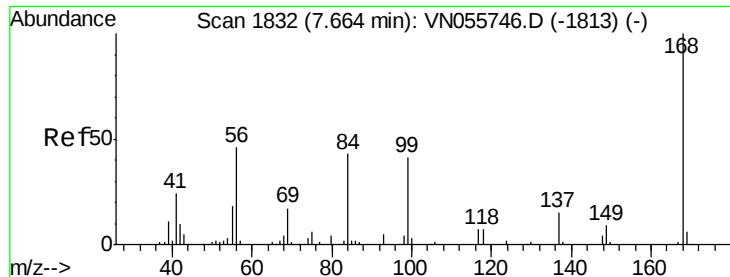
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

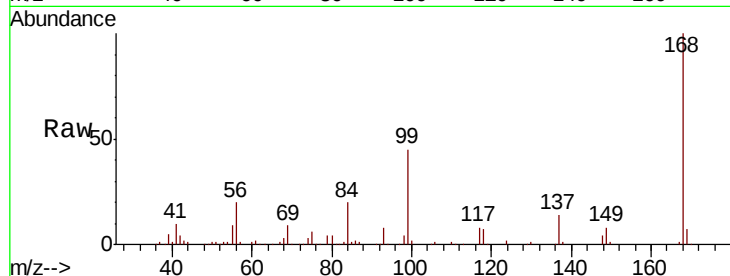
VN0524WBSD03

Tot Ion:168 Resp: 347772

Ion Ratio Lower Upper

168 100

99 44.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

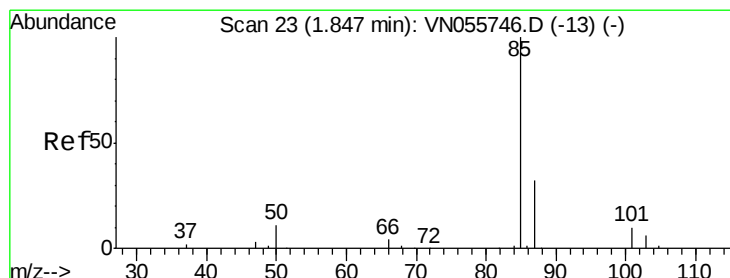
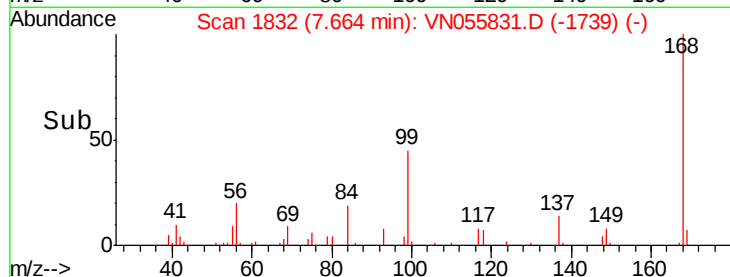
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.557 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055831.D

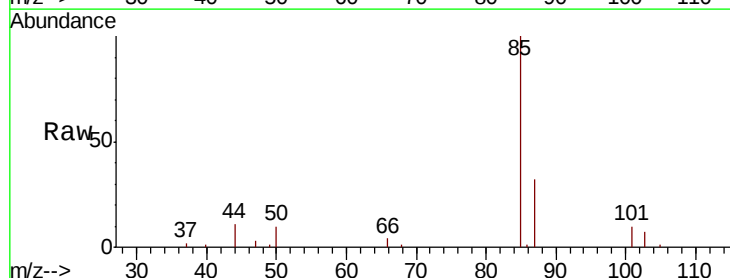
Acq: 25 May 2019 6:44

Tgt Ion: 85 Resp: 43434

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

30000

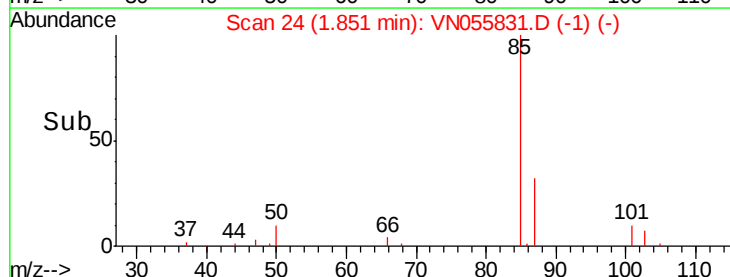
20000

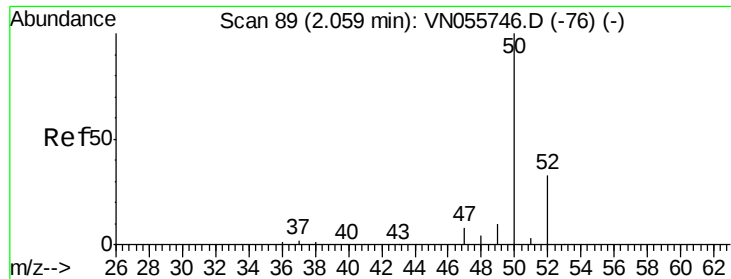
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.221 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

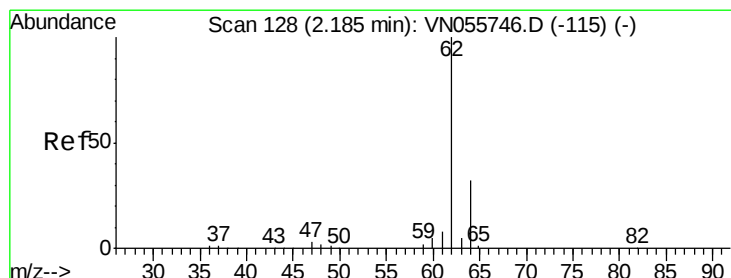
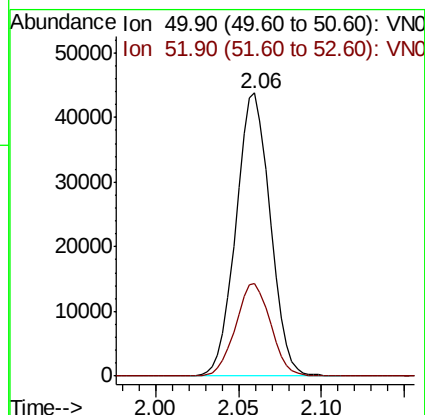
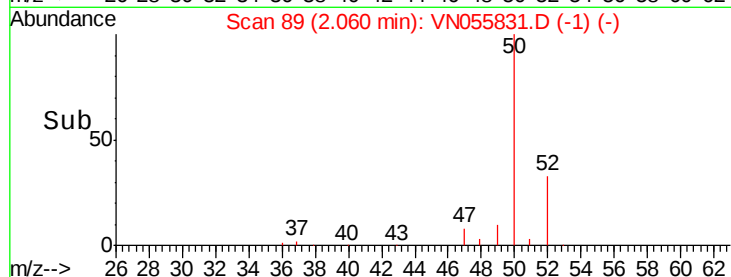
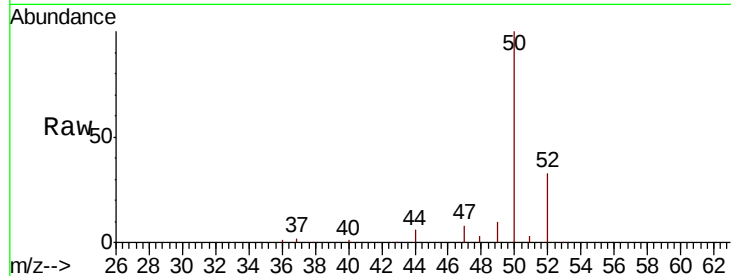
VN0524WBSD03

Tot Ion: 50 Resp: 63033

Ion Ratio Lower Upper

50 100

52 32.7 26.6 40.0



#4

Vinyl Chloride

Concen: 19.810 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055831.D

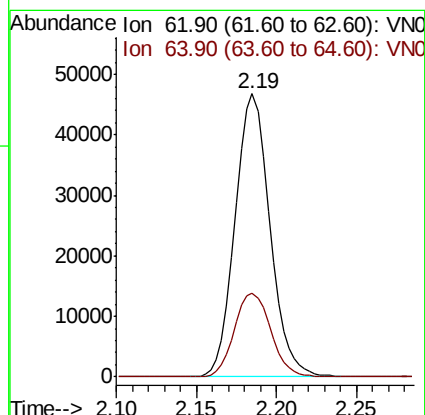
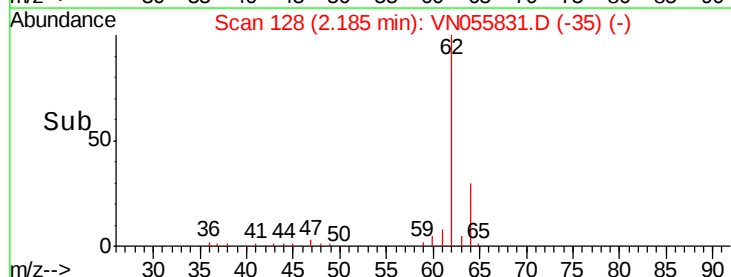
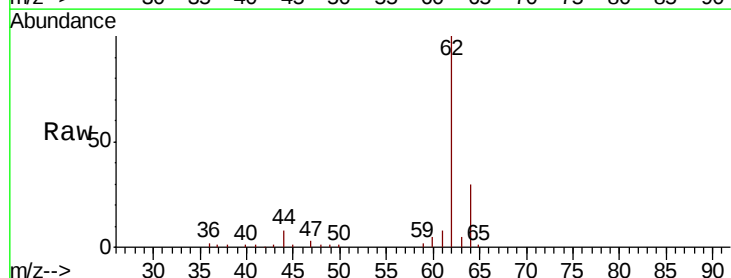
Acq: 25 May 2019 6:44

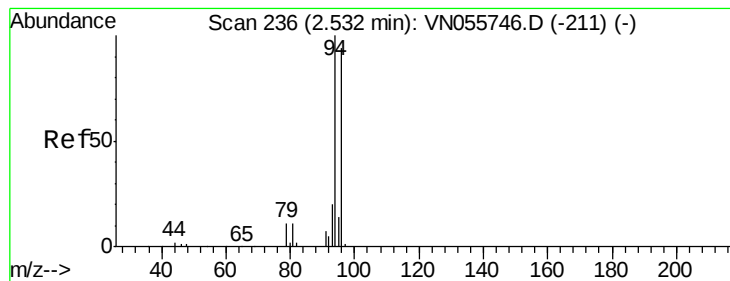
Tgt Ion: 62 Resp: 69289

Ion Ratio Lower Upper

62 100

64 29.5 25.6 38.4





#5

Bromomethane

Concen: 22.612 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

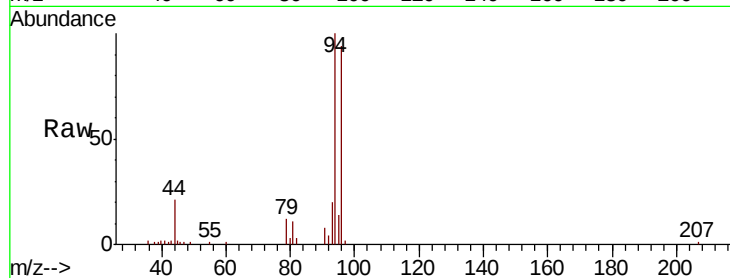
VN0524WBSD03

Tot Ion: 94 Resp: 49480

Ion Ratio Lower Upper

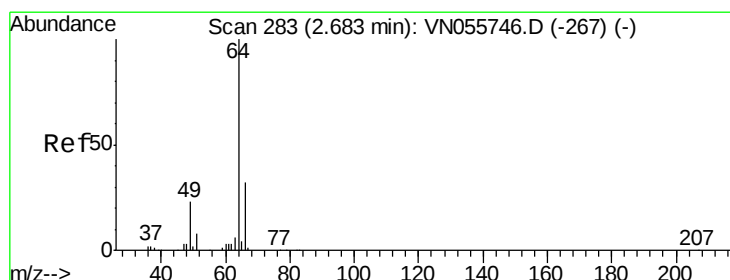
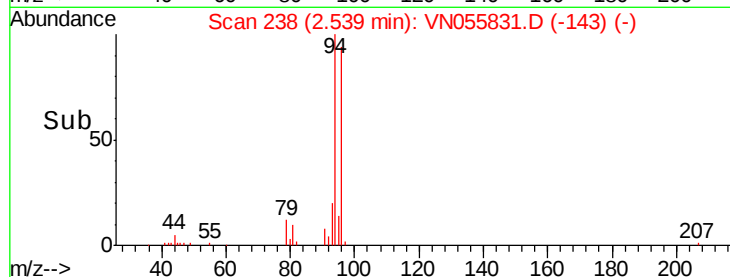
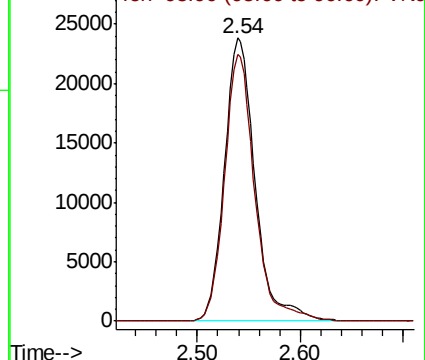
94 100

96 94.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.883 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN055831.D

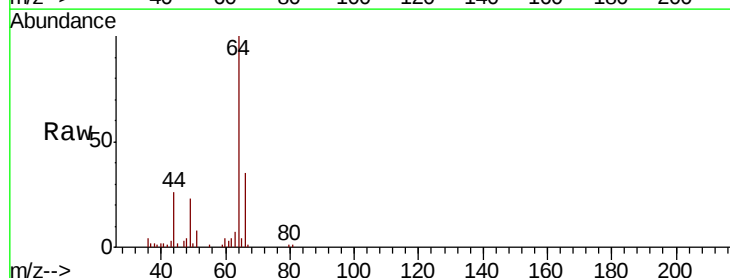
Acq: 25 May 2019 6:44

Tgt Ion: 64 Resp: 41870

Ion Ratio Lower Upper

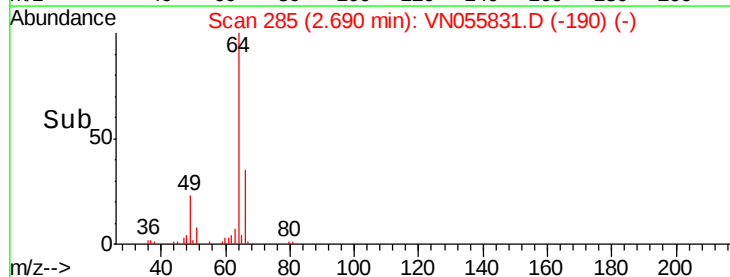
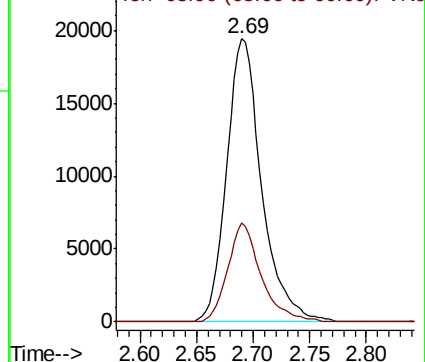
64 100

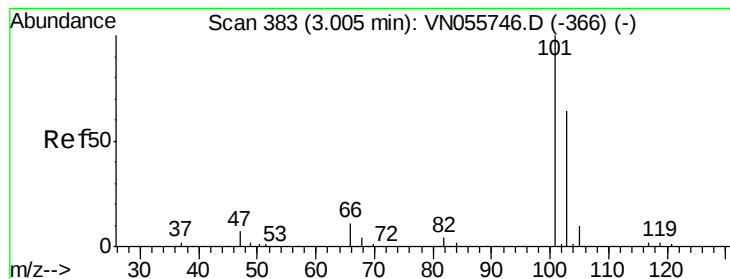
66 34.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



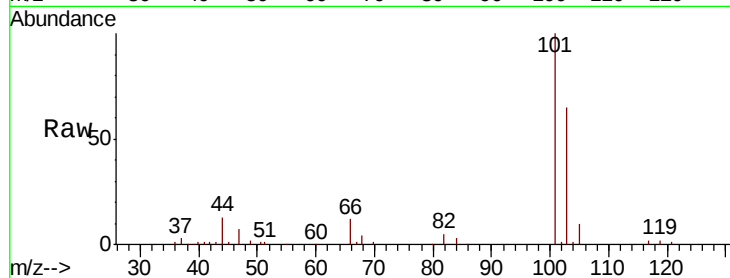


#7

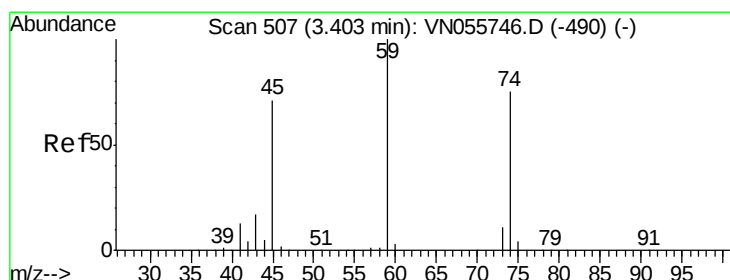
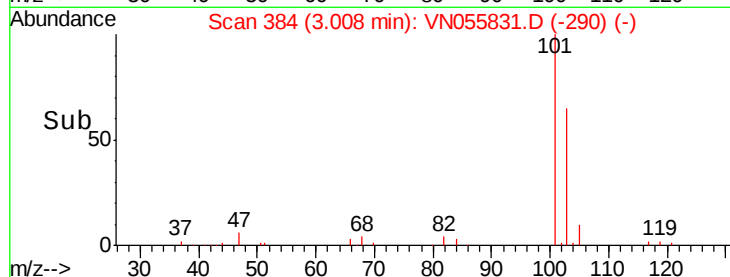
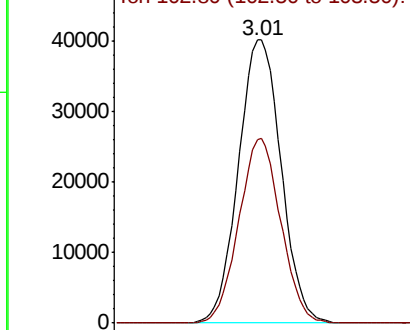
Trichlorofluoromethane
Concen: 19.537 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
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Tot Ion:101 Resp: 89587
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8



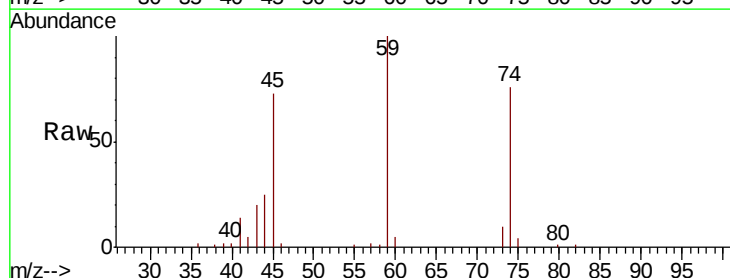
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



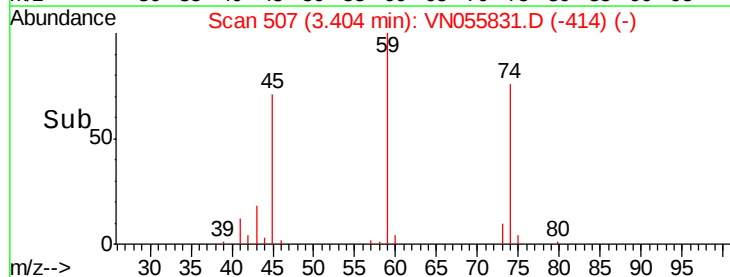
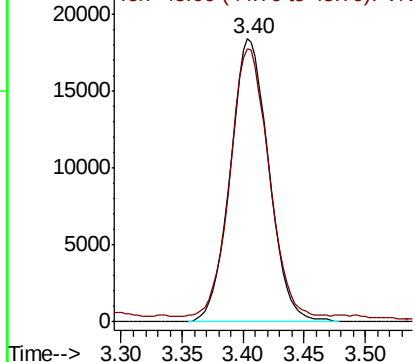
#8

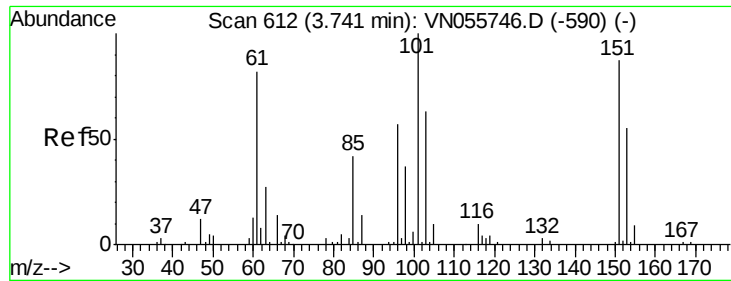
Diethyl Ether
Concen: 19.536 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 74 Resp: 40152
Ion Ratio Lower Upper
74 100
45 94.0 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.403 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055831.D

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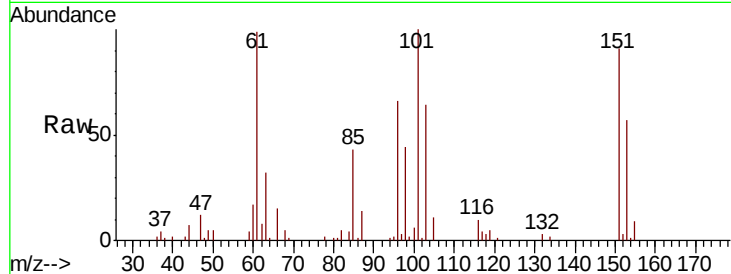
Tot Ion:101 Resp: 55541

Ion Ratio Lower Upper

101 100

85 41.8 33.4 50.2

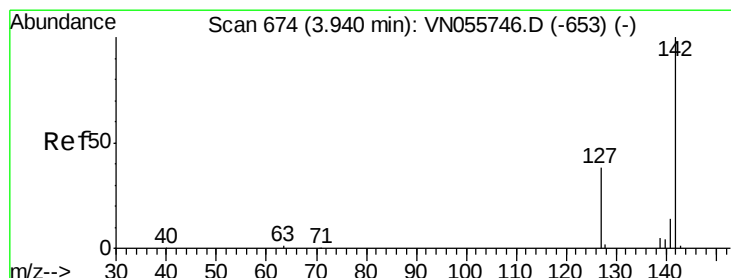
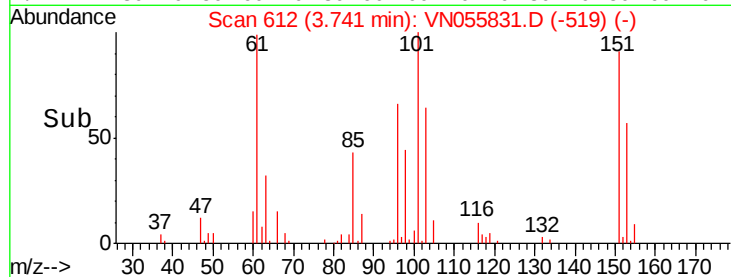
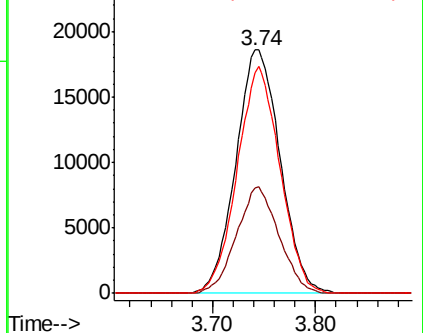
151 89.9 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.621 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

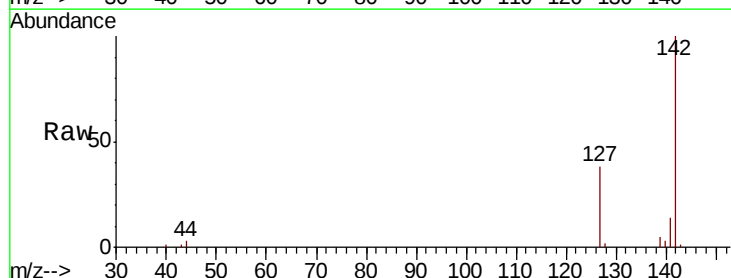
Tgt Ion:142 Resp: 82115

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

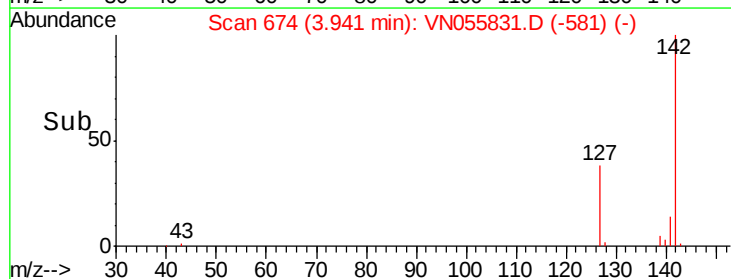
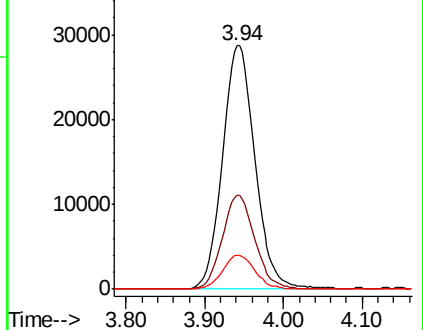
141 13.8 11.4 17.0

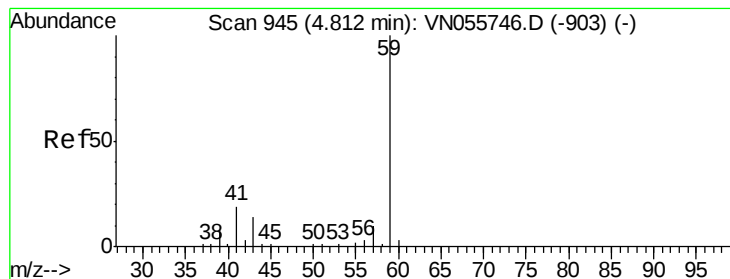


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



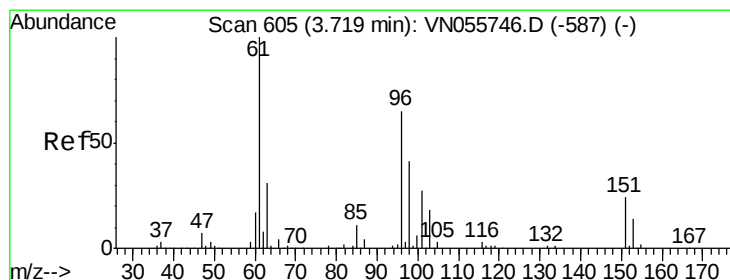
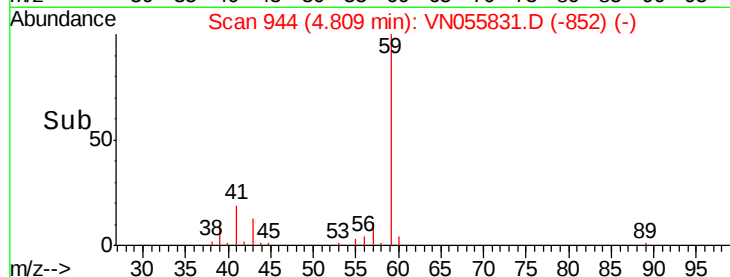
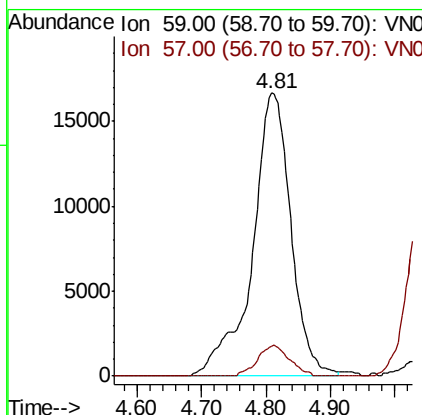
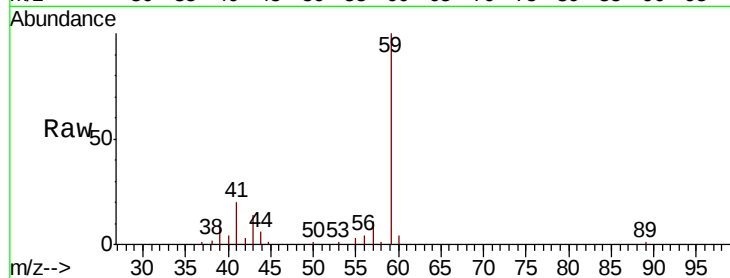


#11

Tert butyl alcohol
 Concen: 101.224 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

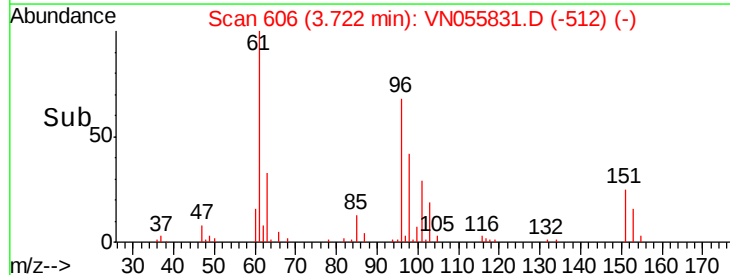
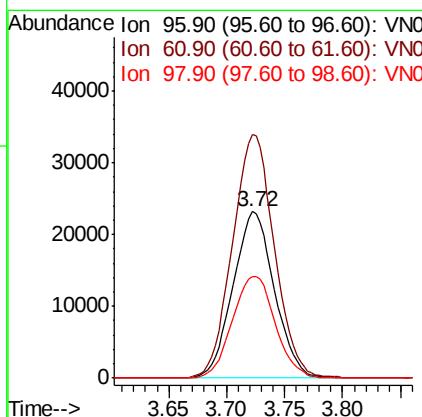
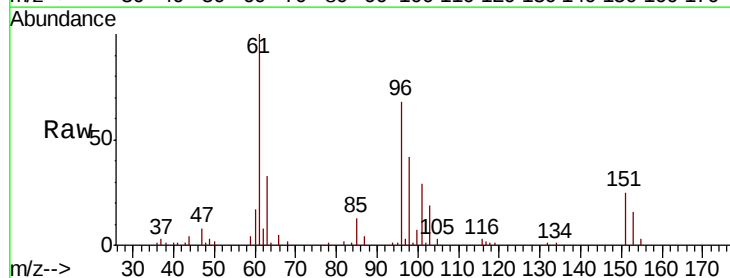
Tot Ion: 59 Resp: 69462
 Ion Ratio Lower Upper
 59 100
 57 9.0 7.8 11.6

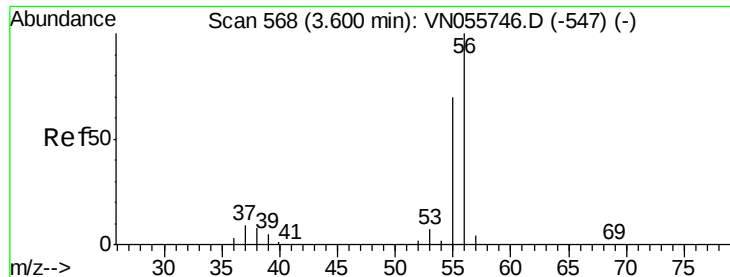


#12

1,1-Dichloroethene
 Concen: 19.416 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion: 96 Resp: 57427
 Ion Ratio Lower Upper
 96 100
 61 146.2 123.2 184.8
 98 61.2 50.4 75.6





#13

Acrolein

Concen: 73.366 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

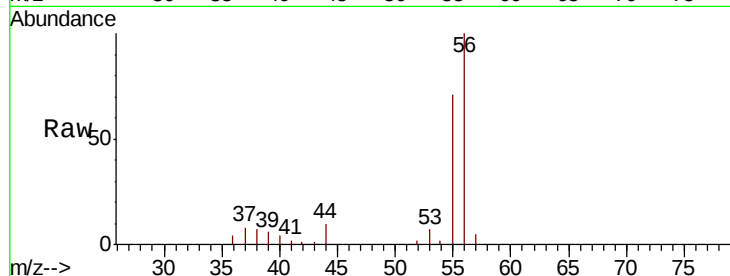
VN0524WBSD03

Tot Ion: 56 Resp: 36049

Ion Ratio Lower Upper

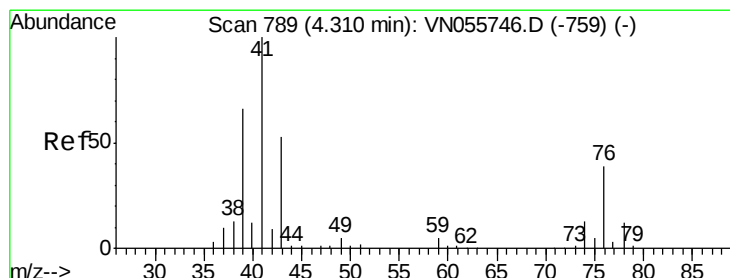
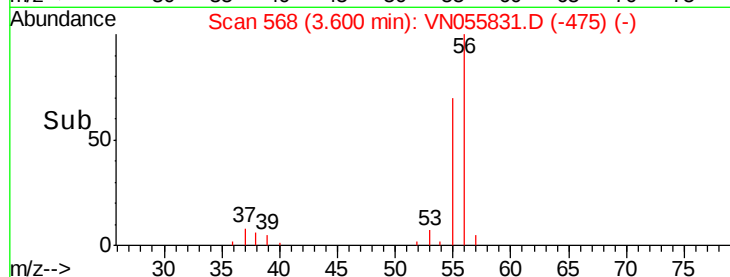
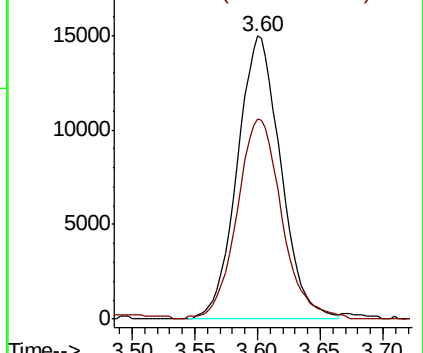
56 100

55 73.0 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.609 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

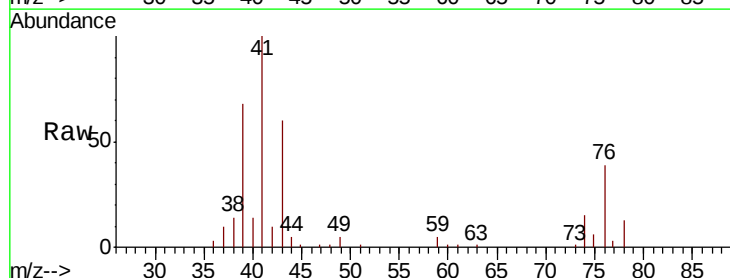
Tgt Ion: 41 Resp: 89283

Ion Ratio Lower Upper

41 100

39 62.7 50.0 75.0

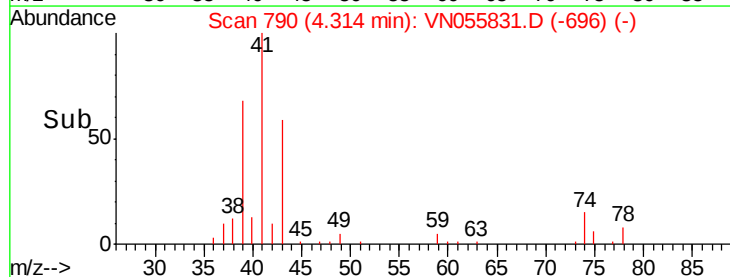
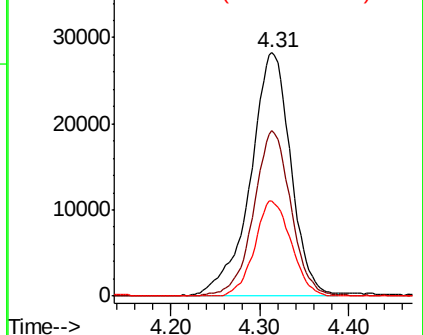
76 35.2 28.2 42.2

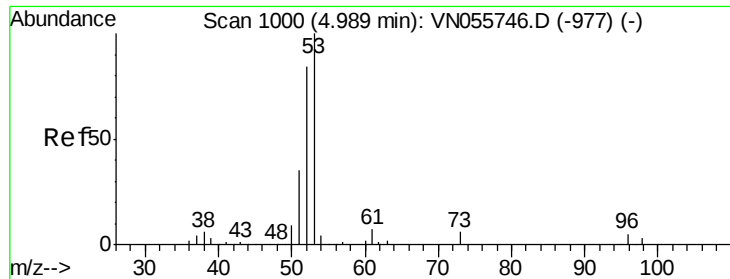


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

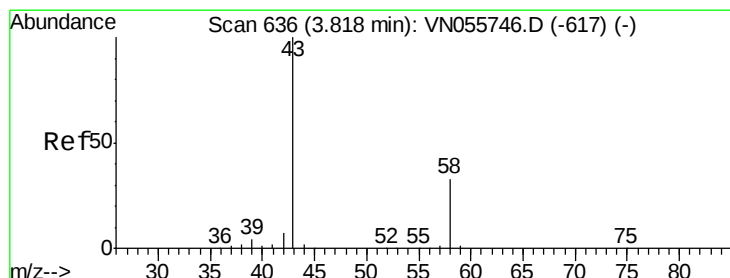
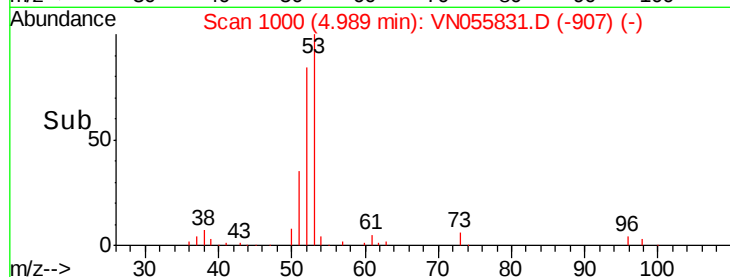
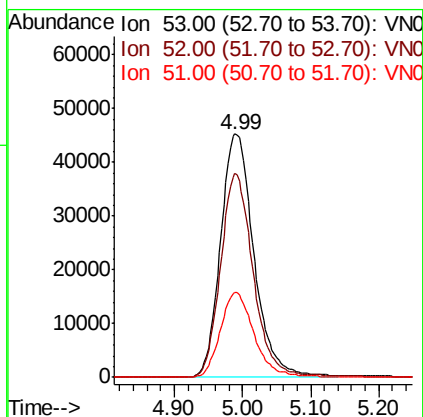
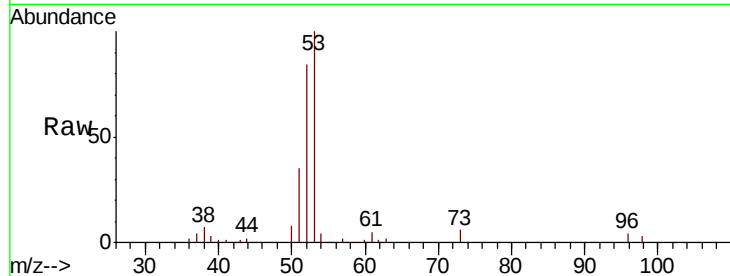




#15
 Acrylonitrile
 Concen: 97.887 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

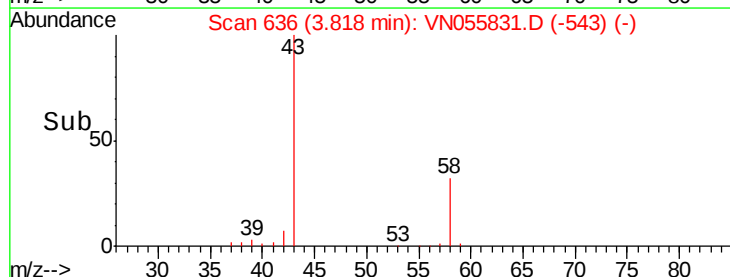
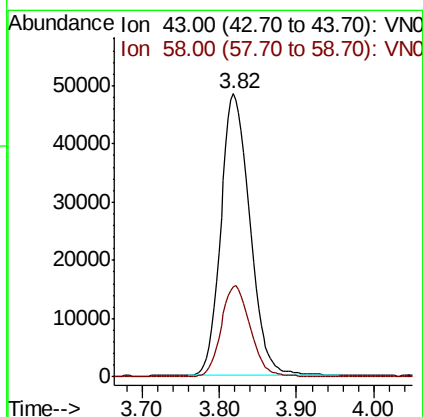
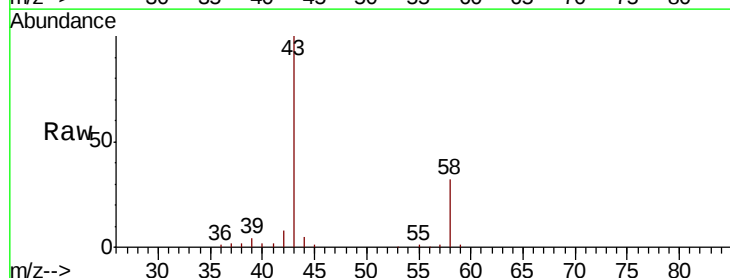
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

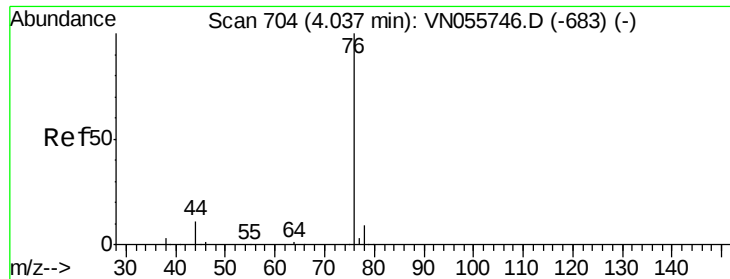
Tot Ion: 53 Resp: 154244
 Ion Ratio Lower Upper
 53 100
 52 81.7 65.8 98.8
 51 35.2 28.2 42.4



#16
 Acetone
 Concen: 79.619 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion: 43 Resp: 125698
 Ion Ratio Lower Upper
 43 100
 58 32.2 26.6 39.8

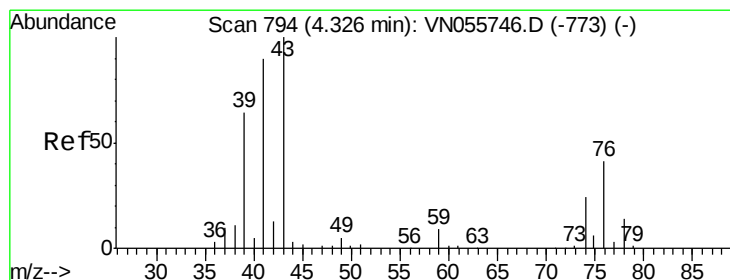
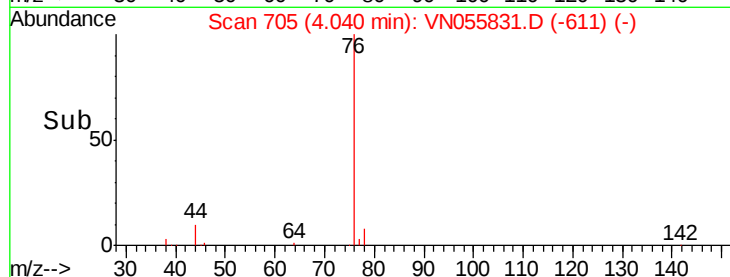
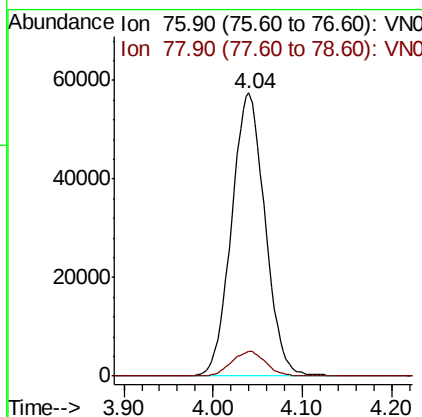
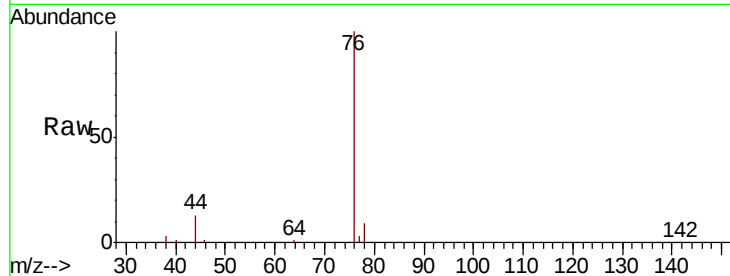




#17
Carbon Disulfide
Concen: 17.799 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

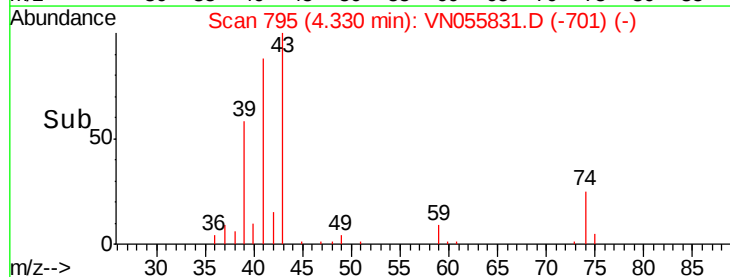
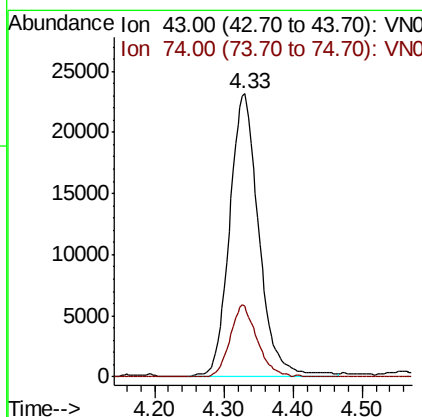
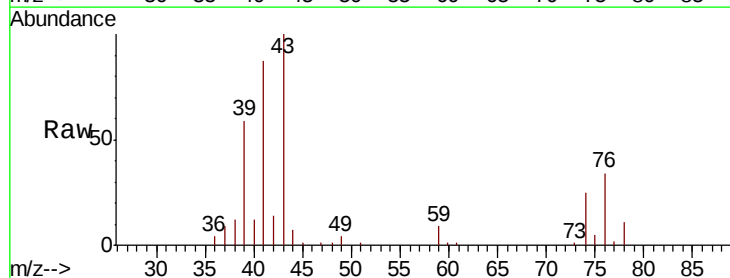
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

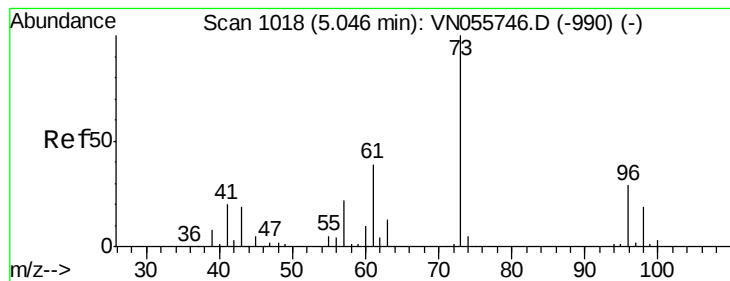
Tot Ion: 76 Resp: 149570
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#18
Methyl Acetate
Concen: 20.661 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 43 Resp: 68694
Ion Ratio Lower Upper
43 100
74 23.3 19.3 28.9



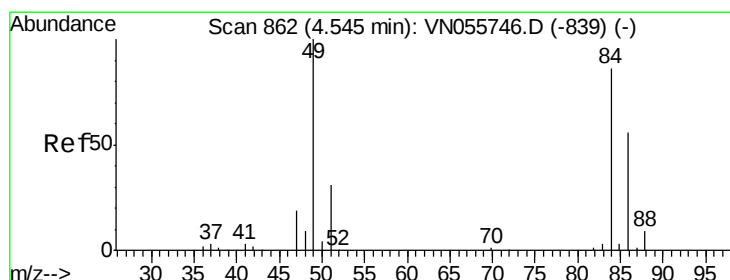
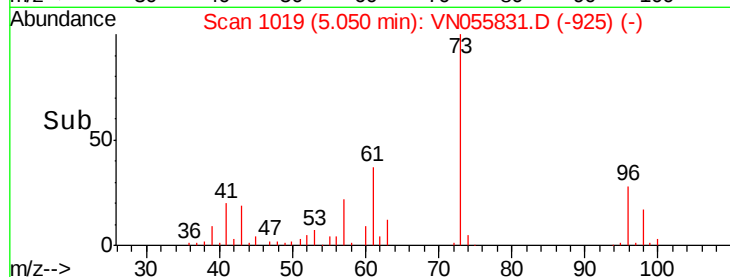
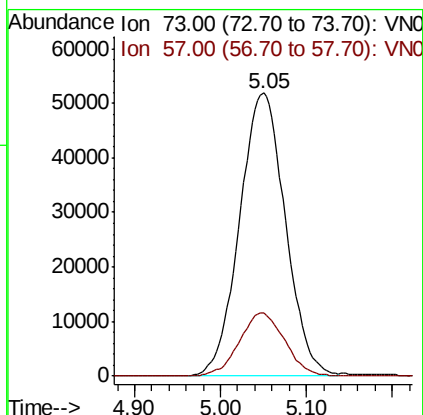
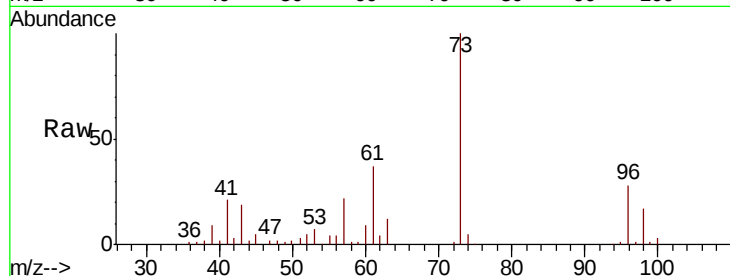


#19

Methyl tert-butyl Ether
 Concen: 19.472 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBSD03

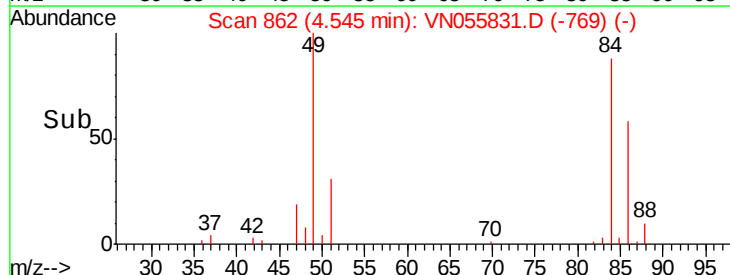
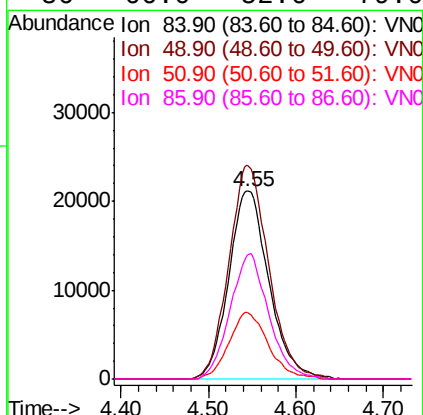
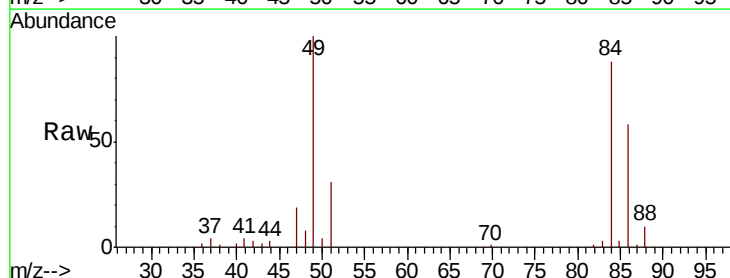
Tot Ion: 73 Resp: 192082
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.8 26.8

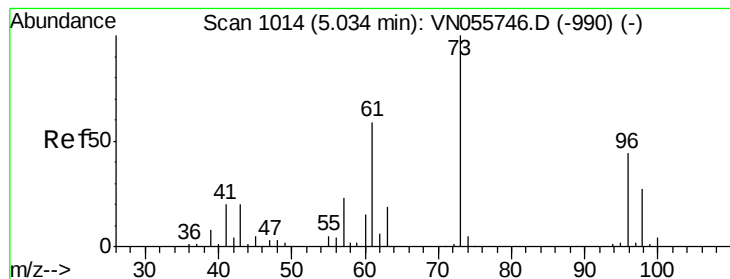


#20

Methylene Chloride
 Concen: 19.754 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion: 84 Resp: 67541
 Ion Ratio Lower Upper
 84 100
 49 113.6 93.5 140.3
 51 35.4 28.6 43.0
 86 66.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.630 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

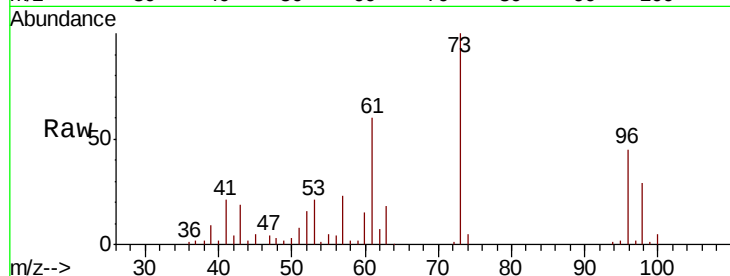
Tot Ion: 96 Resp: 62374

Ion Ratio Lower Upper

96 100

61 133.0 107.8 161.8

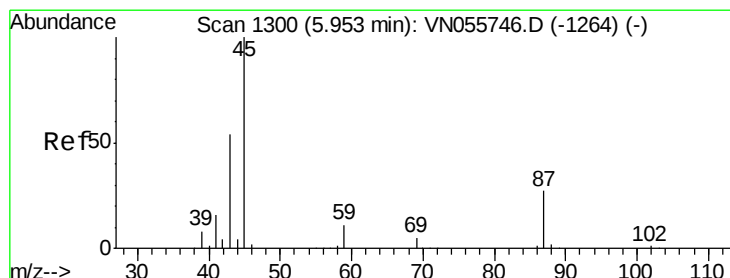
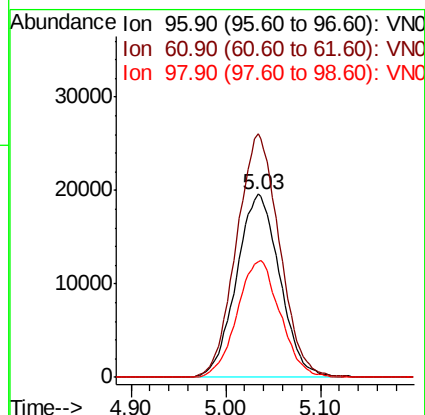
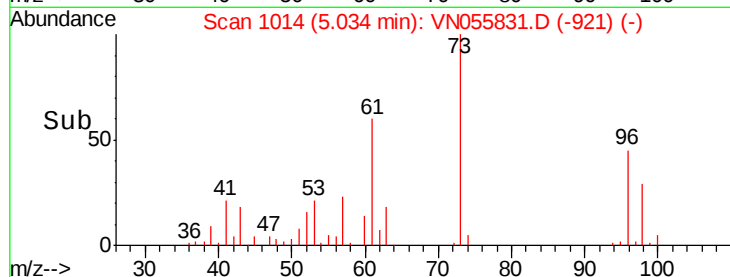
98 63.5 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN055831.D (-921) (-)

Ion 60.90 (60.60 to 61.60): VN055831.D (-921) (-)

Ion 97.90 (97.60 to 98.60): VN055831.D (-921) (-)



#22

Diisopropyl ether

Concen: 19.336 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion: 45 Resp: 190684

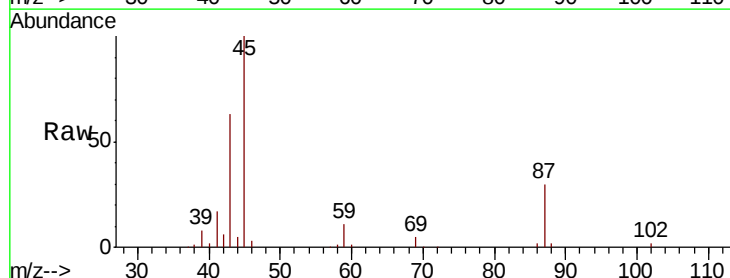
Ion Ratio Lower Upper

45 100

43 60.9 45.0 67.6

87 29.5 22.2 33.4

59 11.0 9.1 13.7

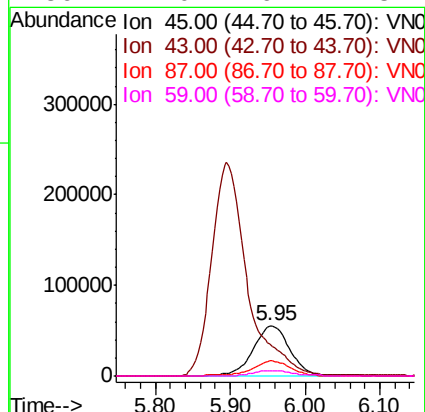
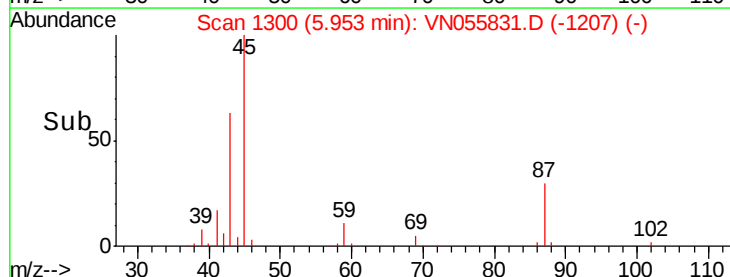


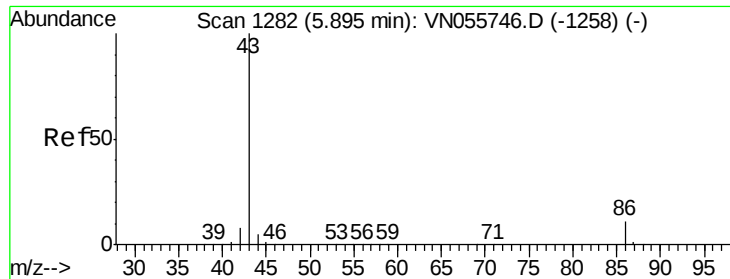
Abundance Ion 45.00 (44.70 to 45.70): VN055831.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055831.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055831.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055831.D (-1207) (-)





#23

Vinyl Acetate

Concen: 92.707 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleID :

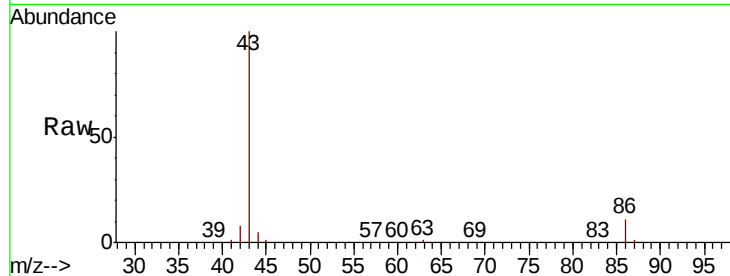
VN0524WBSD03

Tot Ion: 43 Resp: 783863

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055746.D (-1258) (-)

5.90

250000

200000

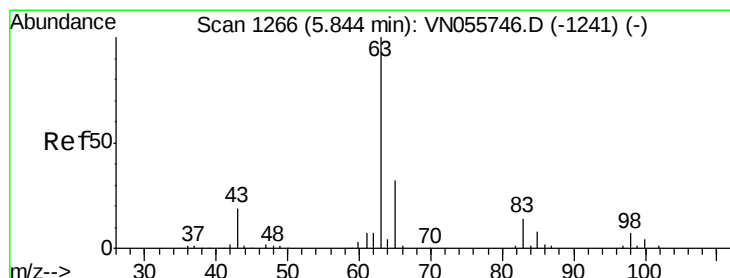
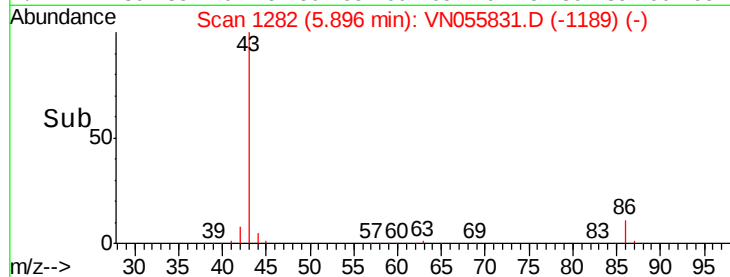
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.188 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

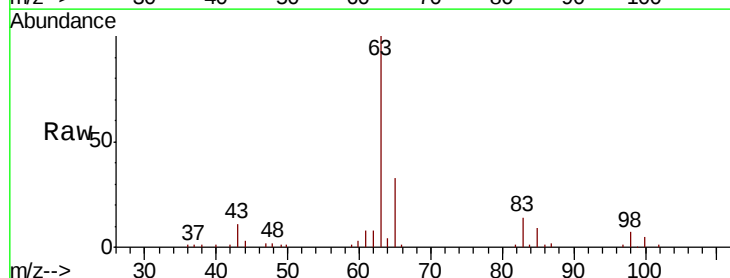
Tgt Ion: 63 Resp: 110175

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.7 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055746.D (-1241) (-)

5.84

40000

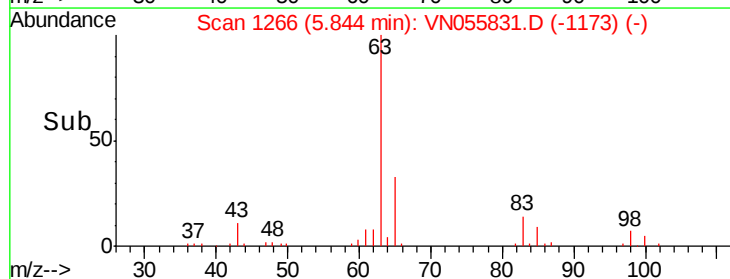
30000

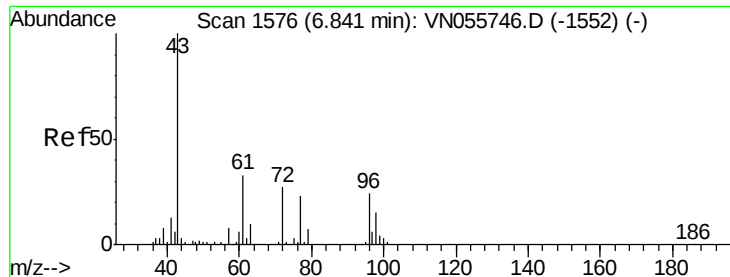
20000

10000

0

Time-->

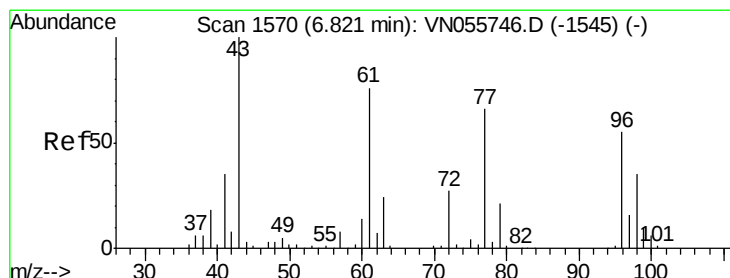
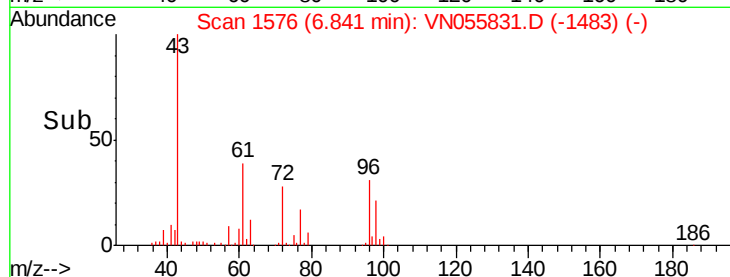
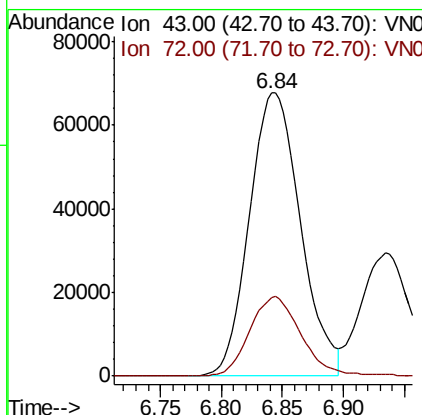
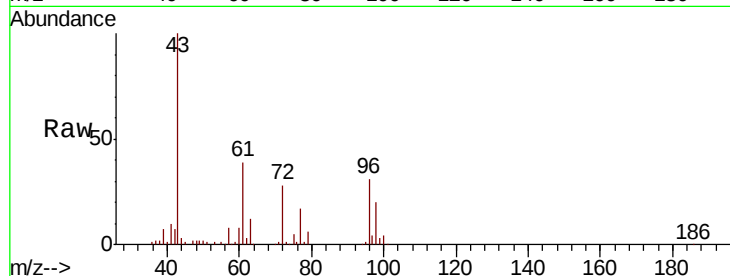




#25
2-Butanone
Concen: 89.500 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

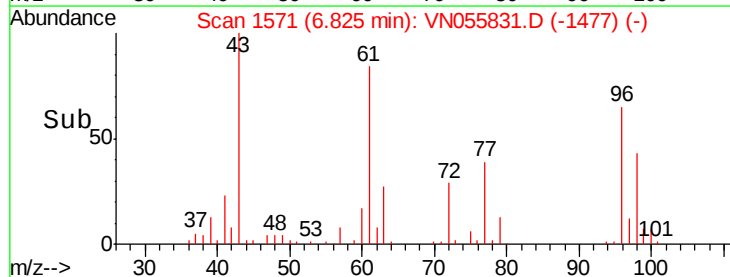
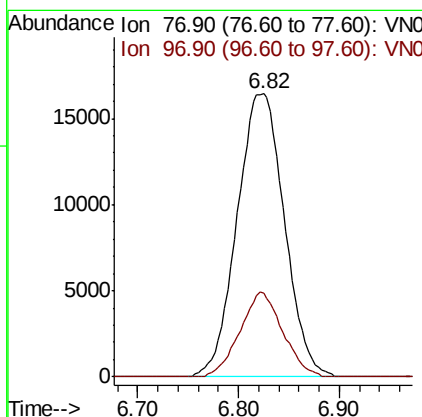
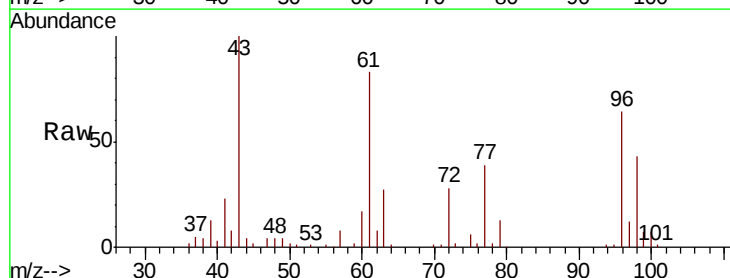
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

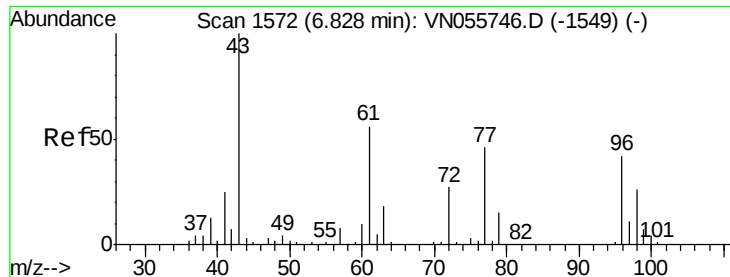
Tot Ion: 43 Resp: 197335
Ion Ratio Lower Upper
43 100
72 27.7 21.9 32.9



#26
2,2-Dichloropropane
Concen: 10.777 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 77 Resp: 53556
Ion Ratio Lower Upper
77 100
97 27.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.427 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

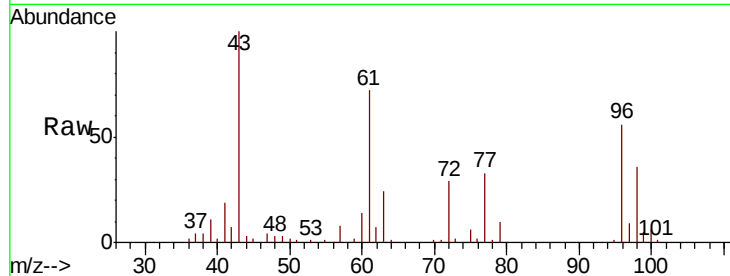
Tot Ion: 96 Resp: 79433

Ion Ratio Lower Upper

96 100

61 127.3 0.0 275.8

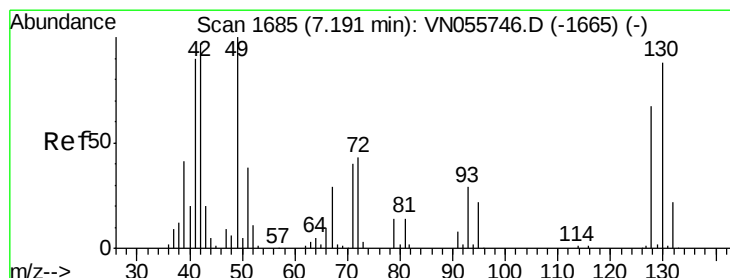
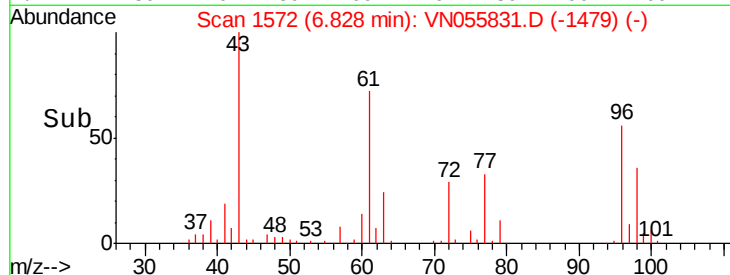
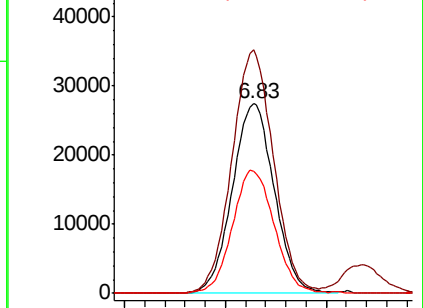
98 64.5 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.593 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

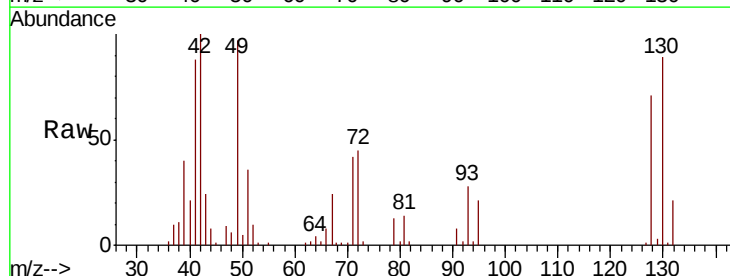
Tgt Ion: 49 Resp: 56296

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.4

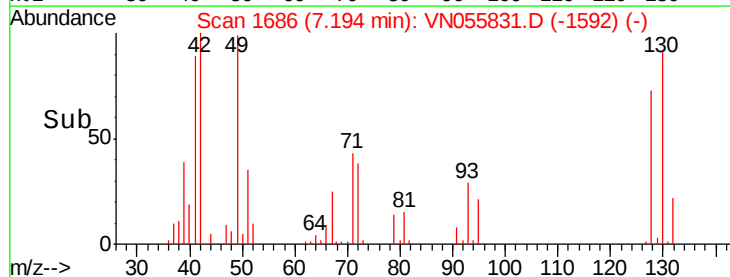
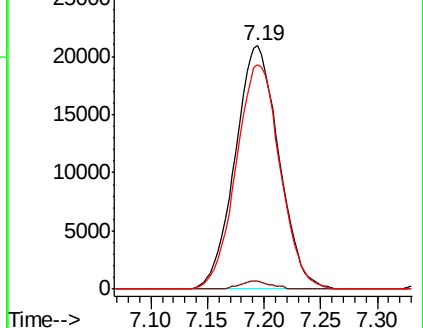
130 92.2 71.2 106.8

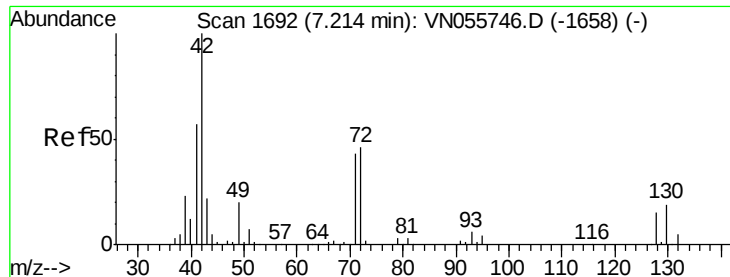


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

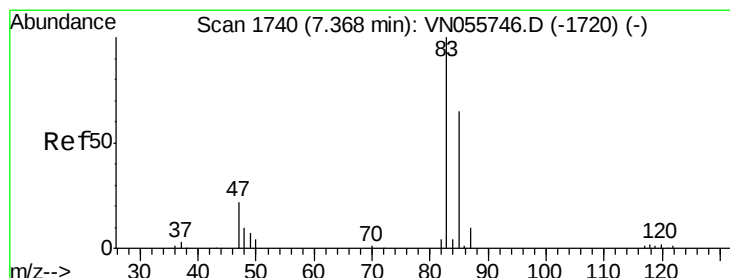
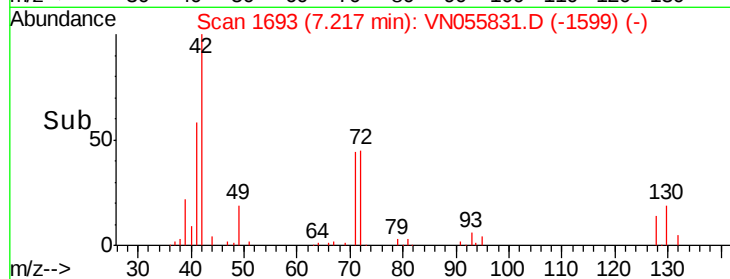
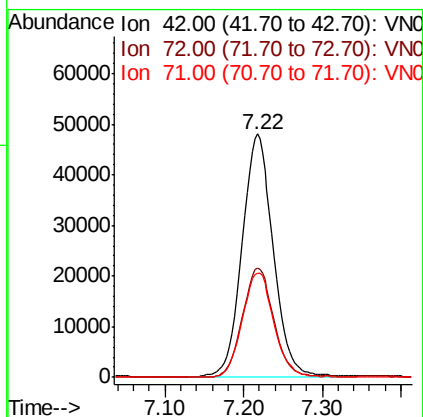
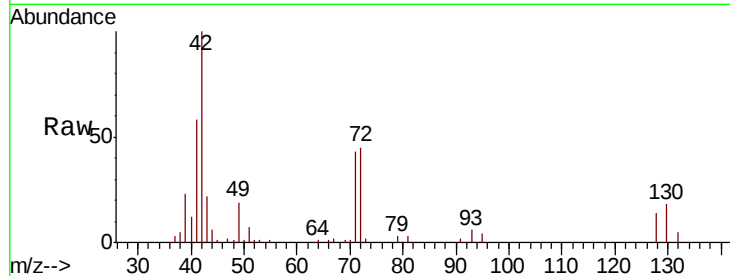




#29
Tetrahydrofuran
Concen: 96.406 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

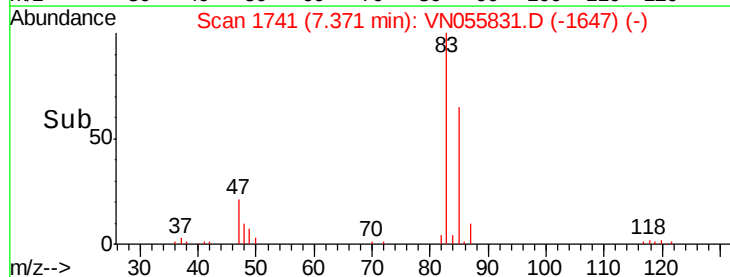
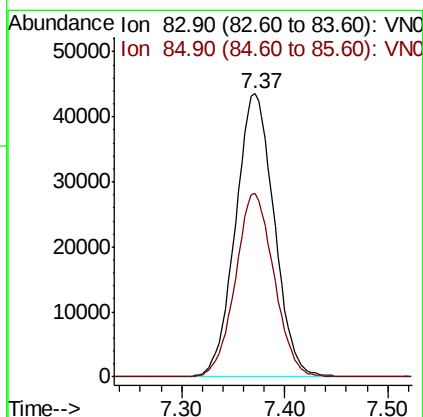
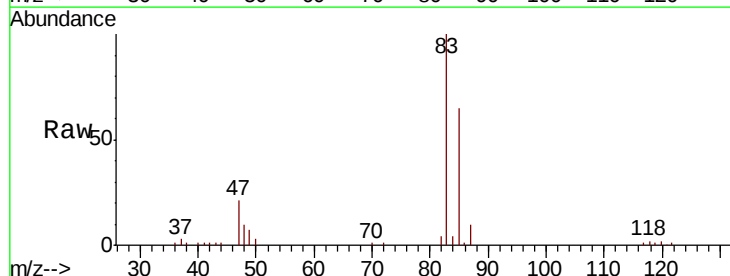
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

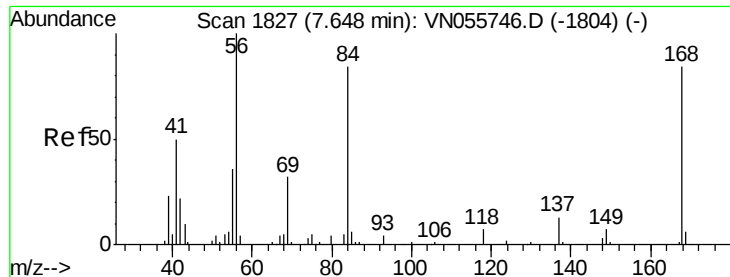
Tot Ion: 42 Resp: 134609
Ion Ratio Lower Upper
42 100
72 45.4 35.9 53.9
71 43.4 34.0 51.0



#30
Chloroform
Concen: 19.813 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 83 Resp: 113455
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8

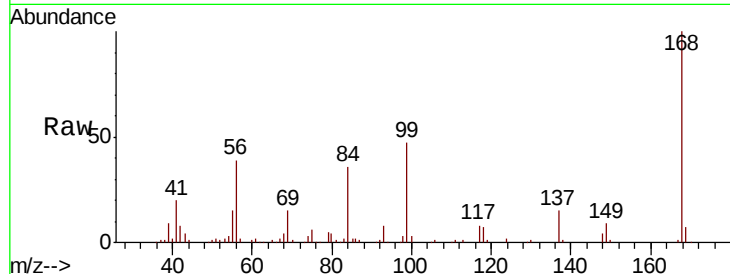




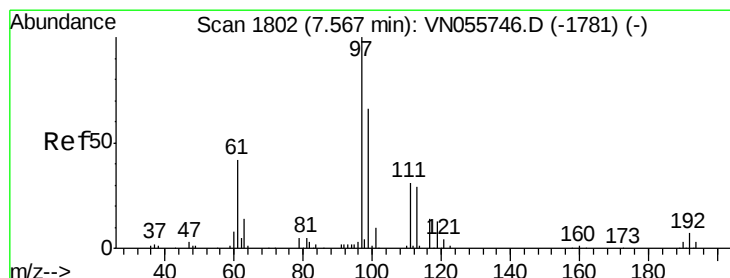
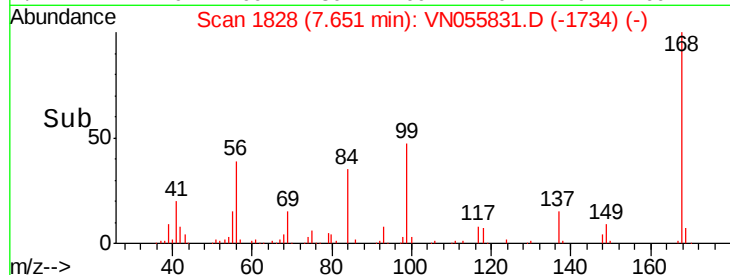
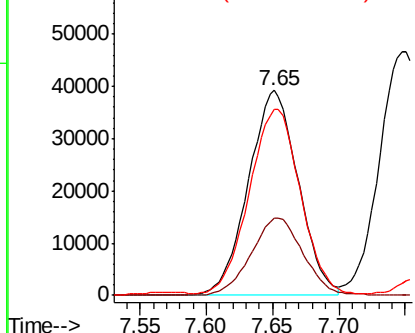
#31
Cyclohexane
Concen: 19.083 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion: 56 Resp: 102872
Ion Ratio Lower Upper
56 100
69 37.5 25.6 38.4
84 89.4 67.4 101.0

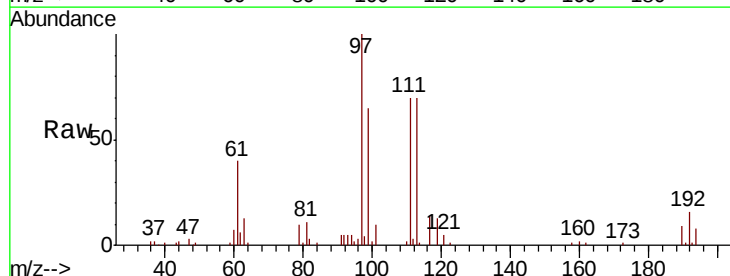


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

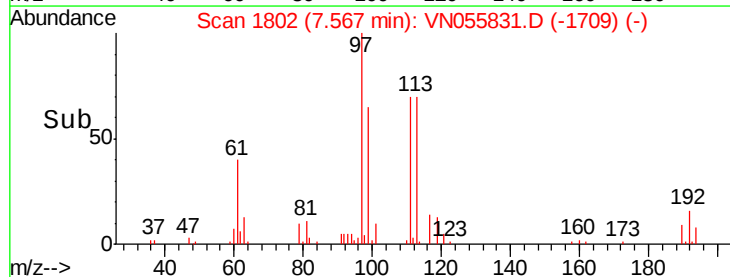
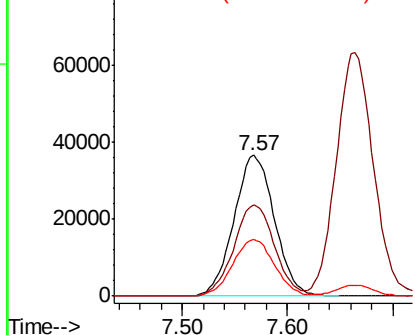


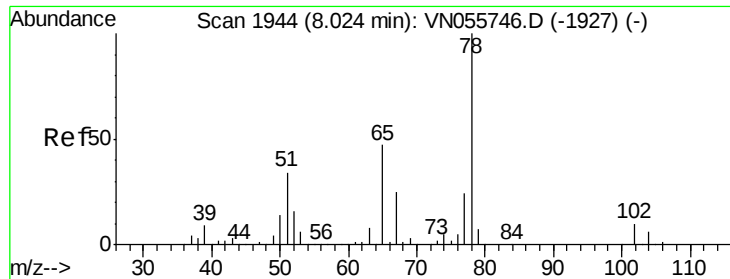
#32
1,1,1-Trichloroethane
Concen: 19.147 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 97 Resp: 97836
Ion Ratio Lower Upper
97 100
99 64.9 52.0 78.0
61 41.2 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.001 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

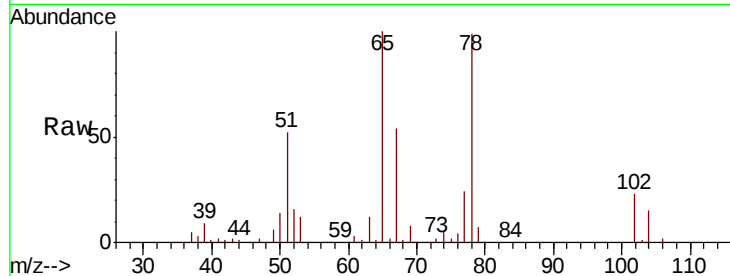
VN0524WBSD03

Tot Ion: 65 Resp: 179579

Ion Ratio Lower Upper

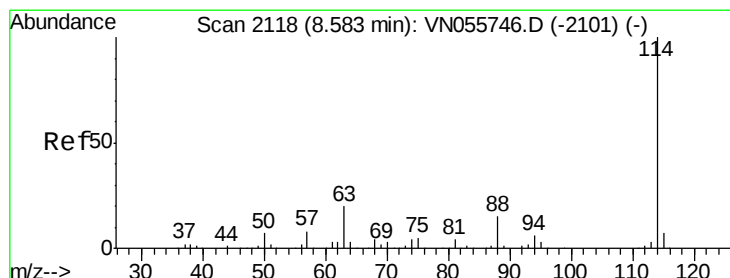
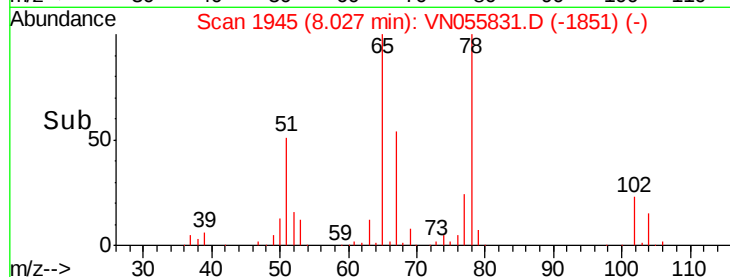
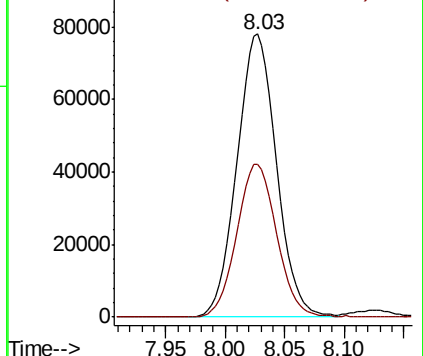
65 100

67 54.5 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055746.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN055746.D (-1927) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

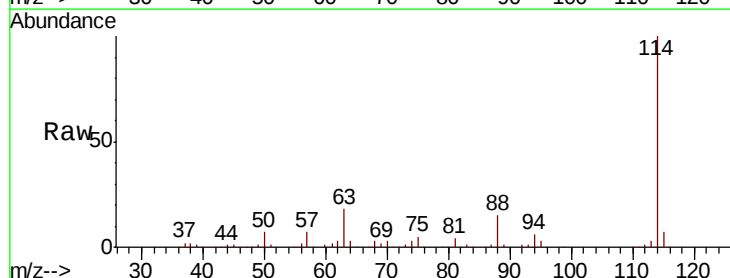
Tgt Ion: 114 Resp: 506990

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

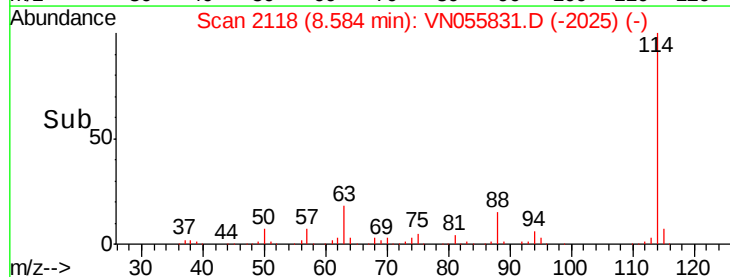
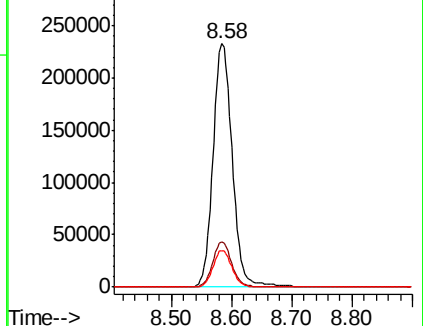
88 15.1 0.0 31.0

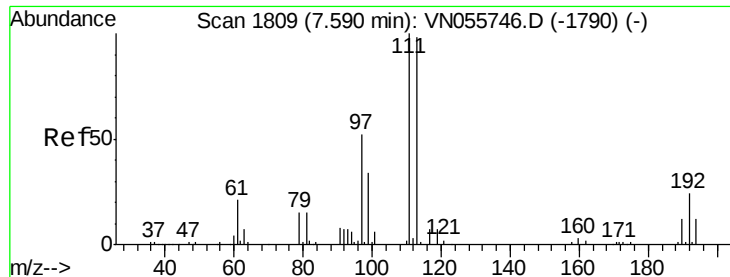


Abundance Ion 113.90 (113.60 to 114.60): VN055746.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055746.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055746.D (-2101) (-)

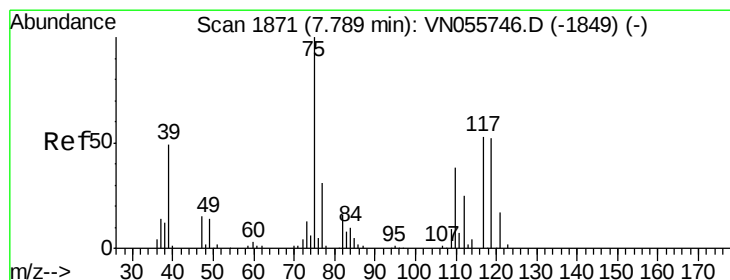
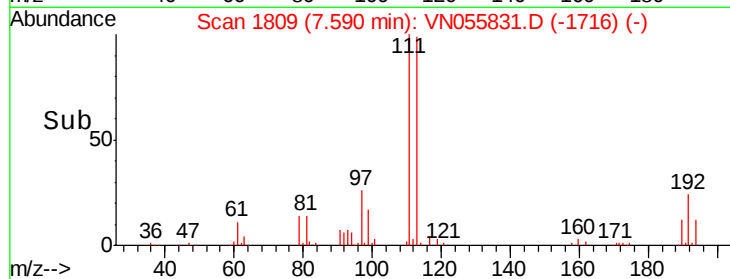
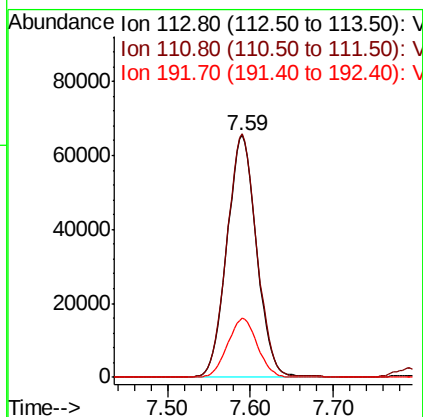
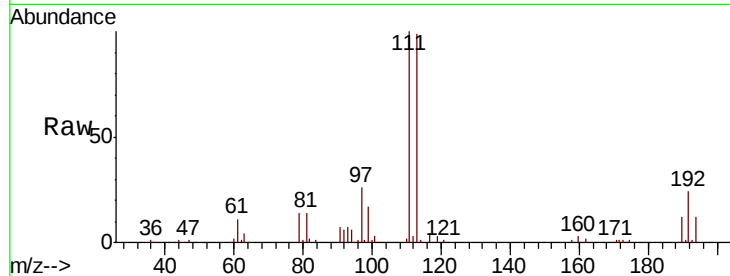




#35
 Dibromofluoromethane
 Concen: 50.820 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

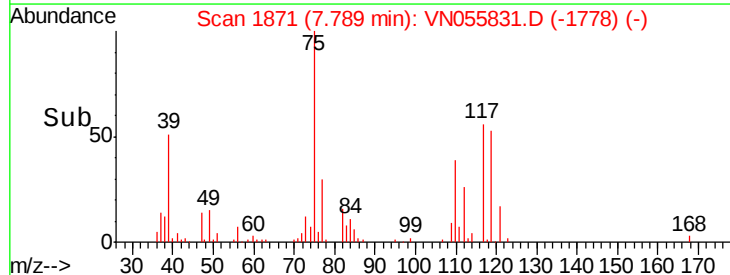
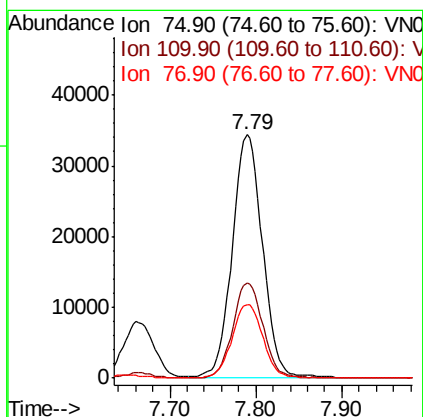
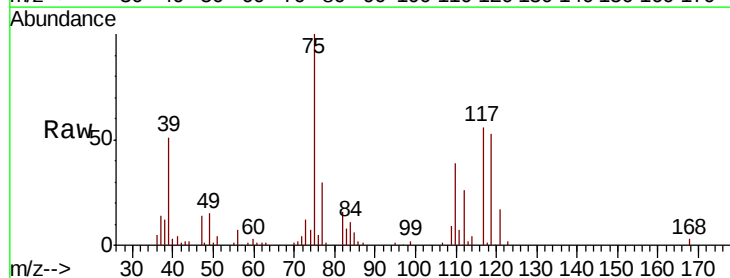
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

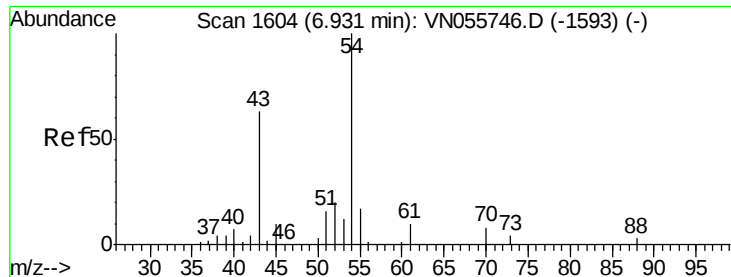
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.9	122.9
192	24.4	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 19.148 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.0	57.0
77	30.4	25.1	37.7

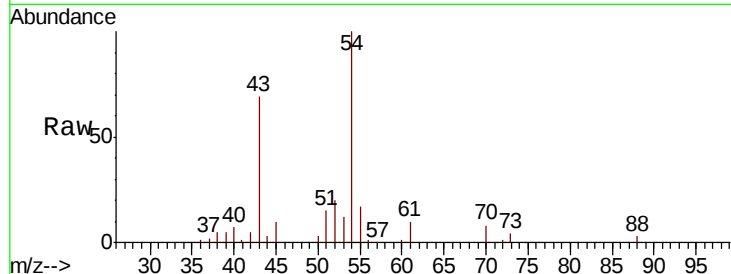




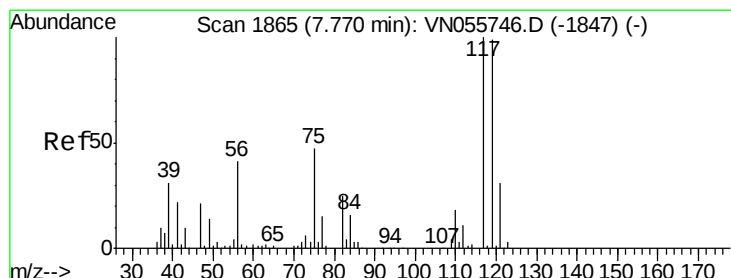
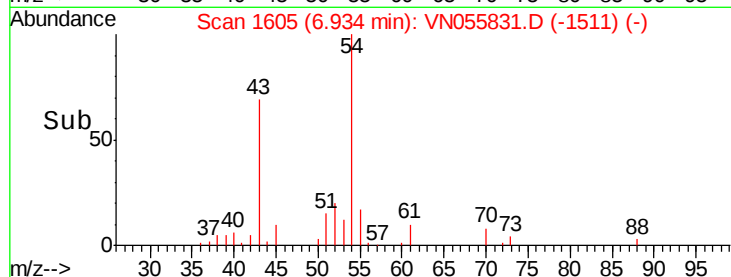
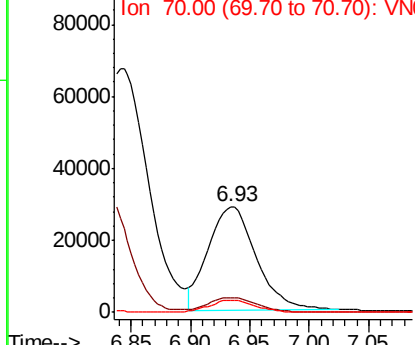
#37
Ethyl Acetate
Concen: 19.105 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion: 43 Resp: 81582
Ion Ratio Lower Upper
43 100
61 14.6 12.2 18.2
70 10.9 8.9 13.3

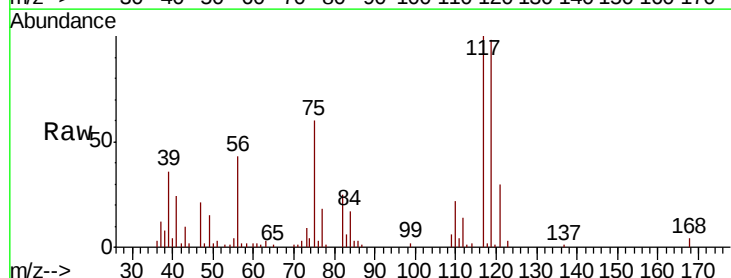


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

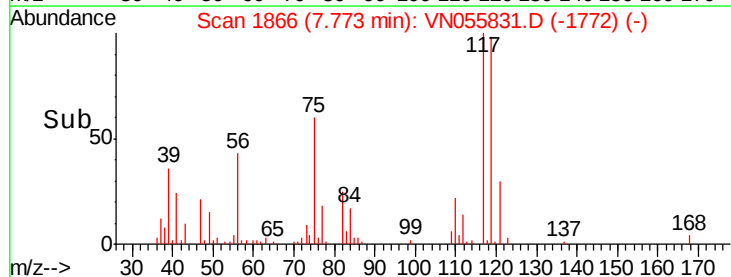
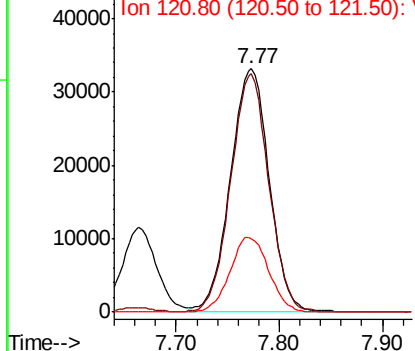


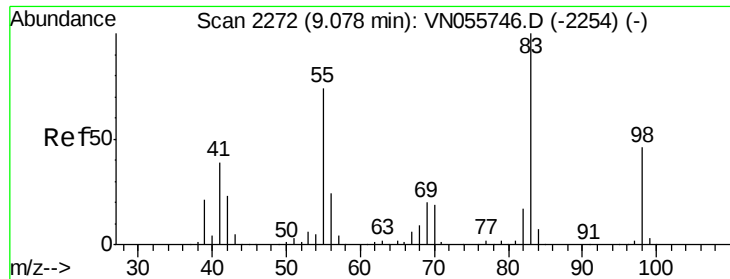
#38
Carbon Tetrachloride
Concen: 18.917 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 117 Resp: 87061
Ion Ratio Lower Upper
117 100
119 97.8 79.0 118.6
121 30.4 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

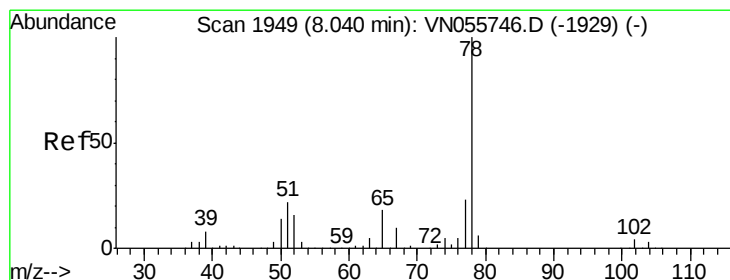
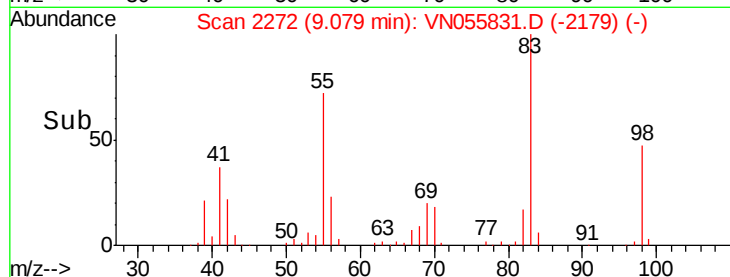
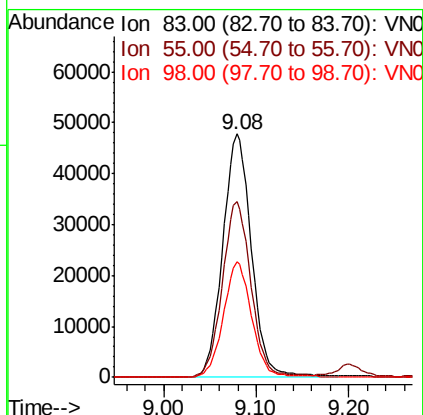
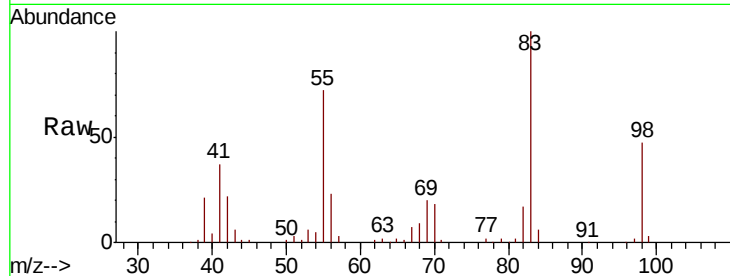




#39
Methvlcvclohexane
Concen: 18.774 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

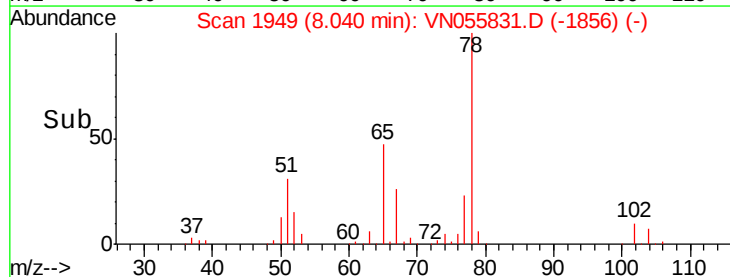
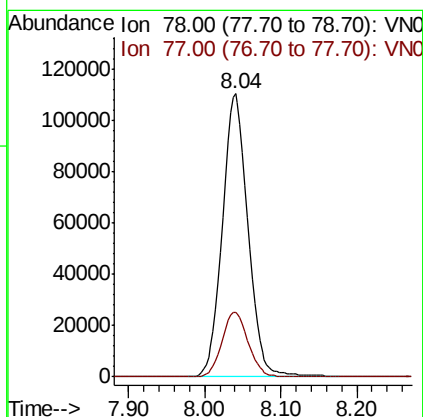
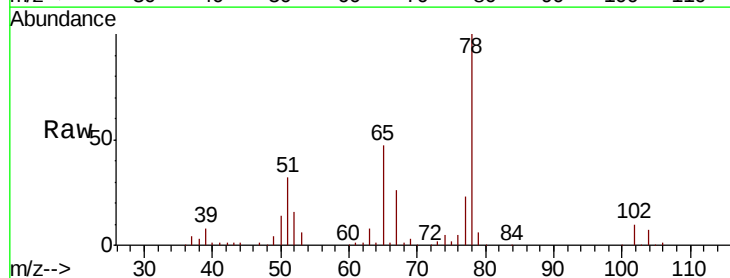
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

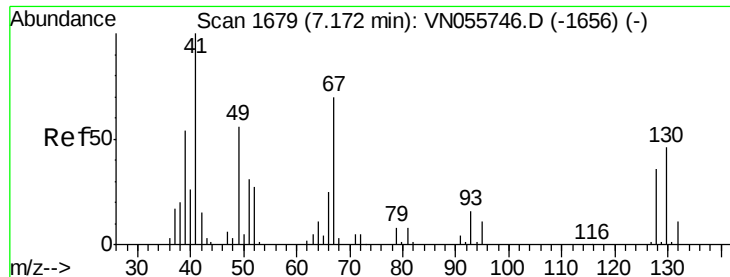
Tot Ion: 83 Resp: 102715
Ion Ratio Lower Upper
83 100
55 72.1 59.3 88.9
98 47.3 36.6 54.8



#40
Benzene
Concen: 19.529 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 78 Resp: 260047
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

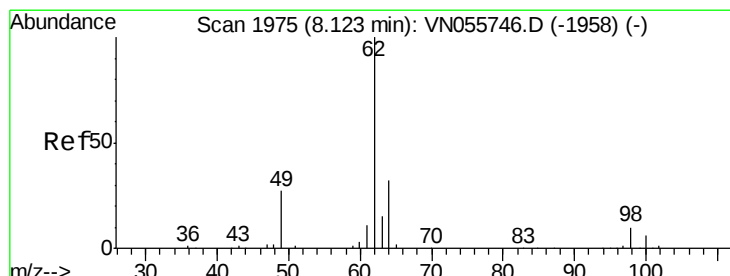
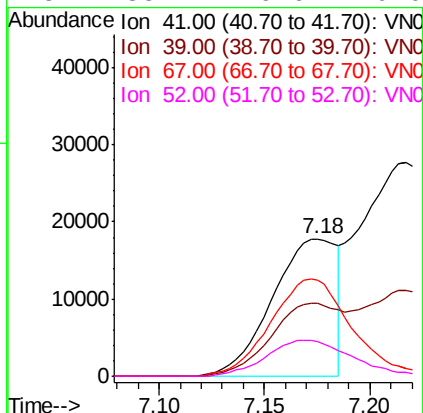
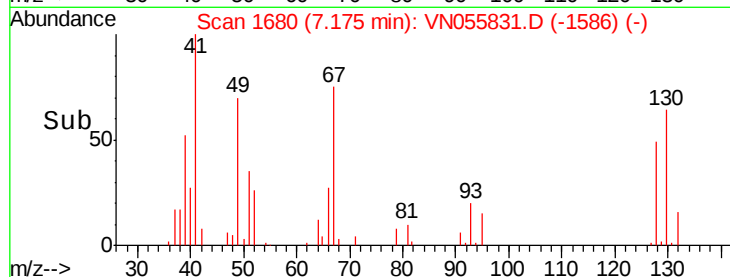
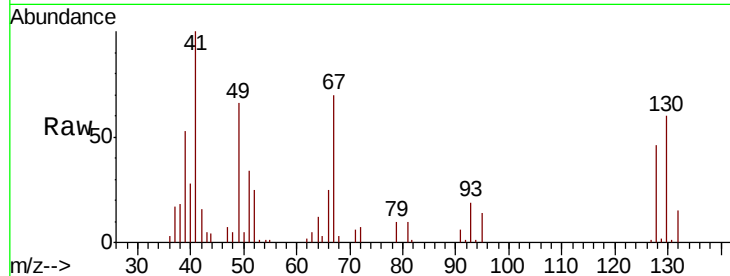




#41
Methacrylonitrile
Concen: 17.597 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

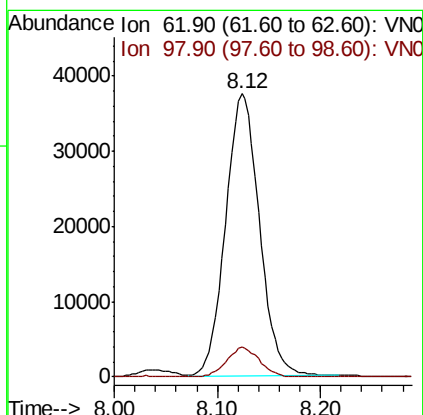
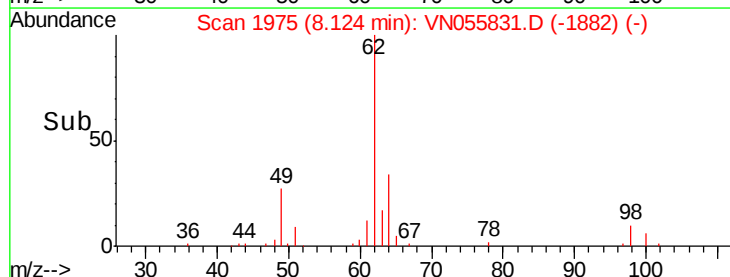
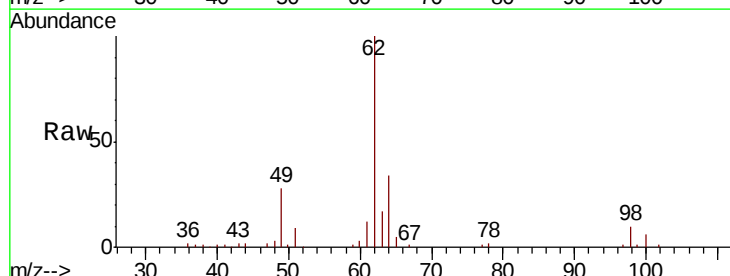
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

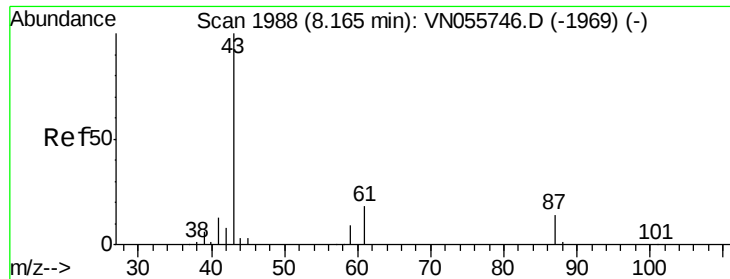
Tot Ion: 41 Resp: 37962
Ion Ratio Lower Upper
41 100
39 57.4 45.6 68.4
67 89.6 67.7 101.5
52 35.2 26.6 40.0



#42
1,2-Dichloroethane
Concen: 19.770 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 62 Resp: 86022
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 18.660 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

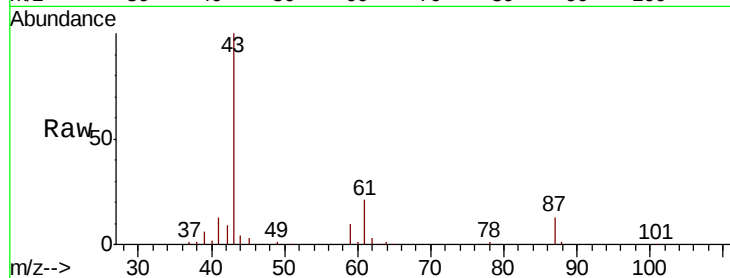
Tot Ion: 43 Resp: 133882

Ion Ratio Lower Upper

43 100

61 20.2 22.2 33.4#

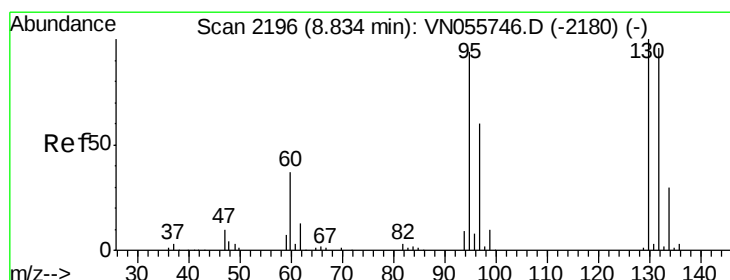
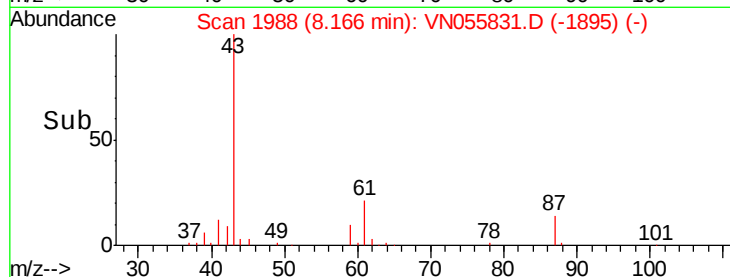
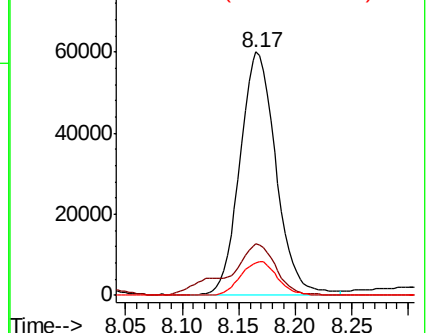
87 13.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055831.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN055831.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN055831.D (-1988) (-)



#44

Trichloroethene

Concen: 20.292 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055831.D

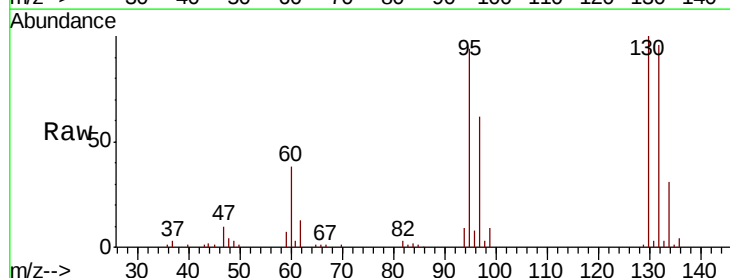
Acq: 25 May 2019 6:44

Tgt Ion: 130 Resp: 75327

Ion Ratio Lower Upper

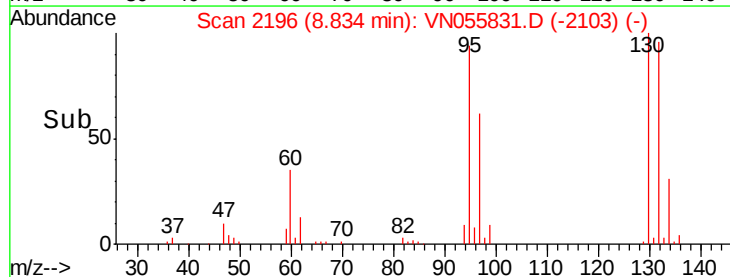
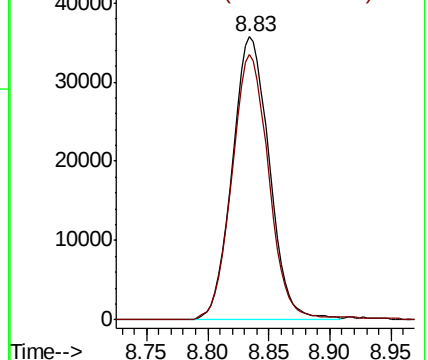
130 100

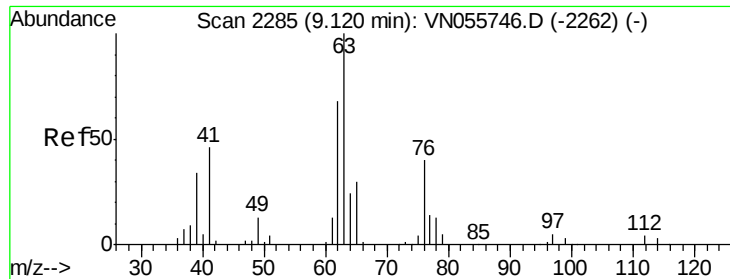
95 93.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055831.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN055831.D (-2196) (-)





#45

1,2-Dichloropropane

Concen: 19.558 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

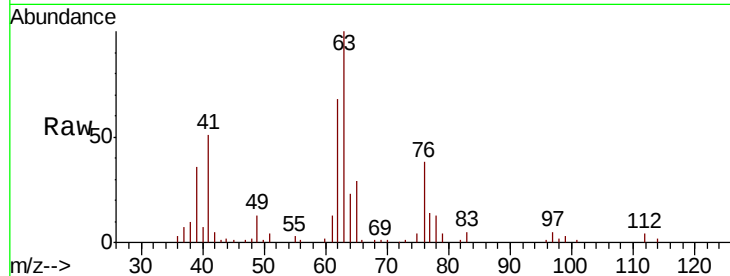
VN0524WBSD03

Tot Ion: 63 Resp: 67851

Ion Ratio Lower Upper

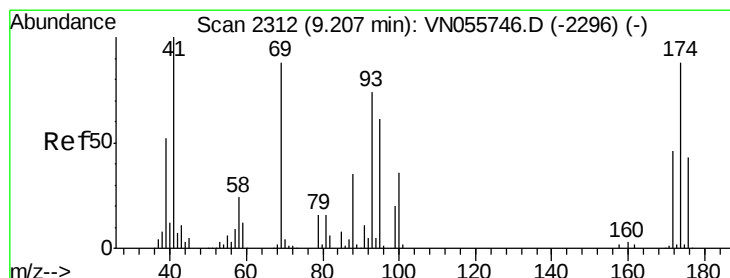
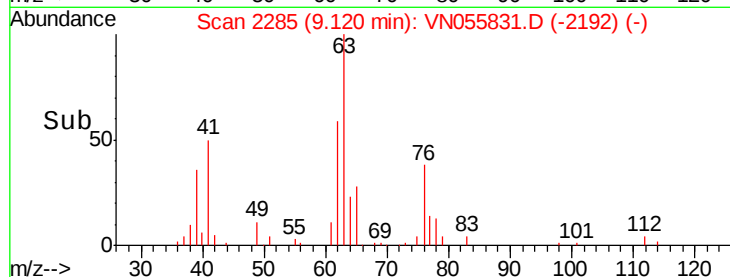
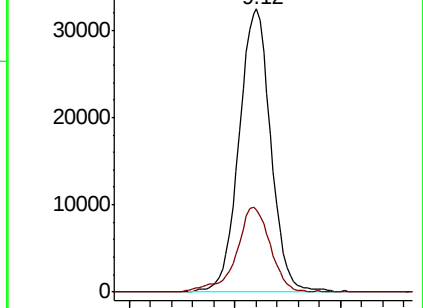
63 100

65 29.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN055831.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055831.D (-2192) (-)



#46

Dibromomethane

Concen: 20.071 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

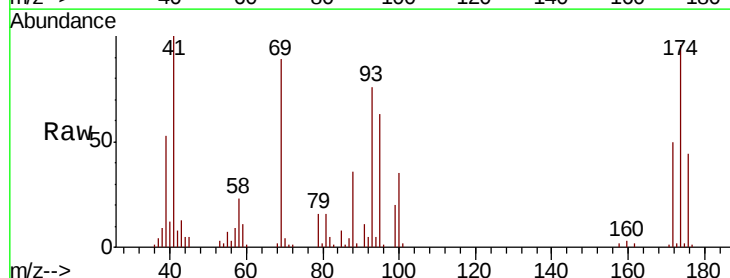
Tgt Ion: 93 Resp: 45666

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

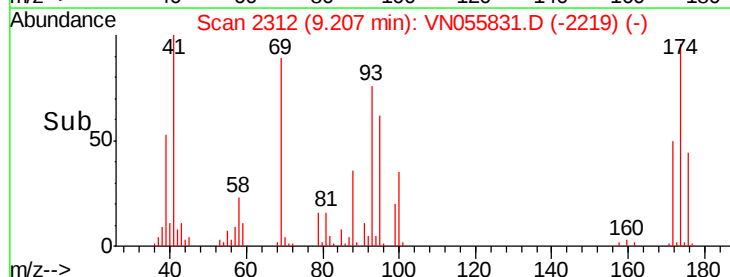
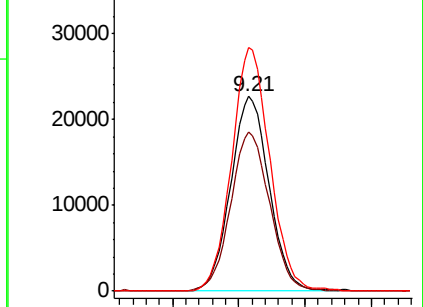
174 124.5 96.4 144.6

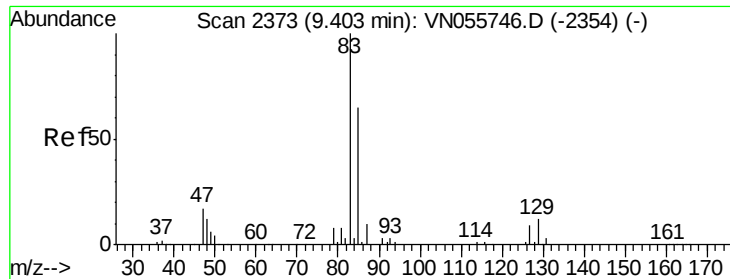


Abundance Ion 92.80 (92.50 to 93.50): VN055831.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055831.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055831.D (-2219) (-)





#47

Bromodichloromethane

Concen: 18.729 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

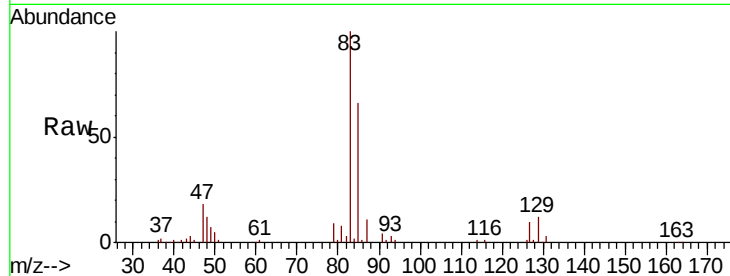
Tot Ion: 83 Resp: 87379

Ion Ratio Lower Upper

83 100

85 66.2 52.2 78.2

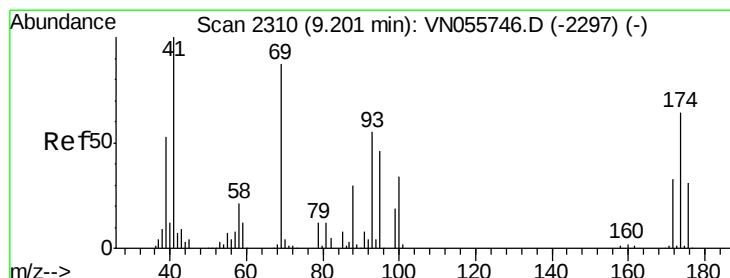
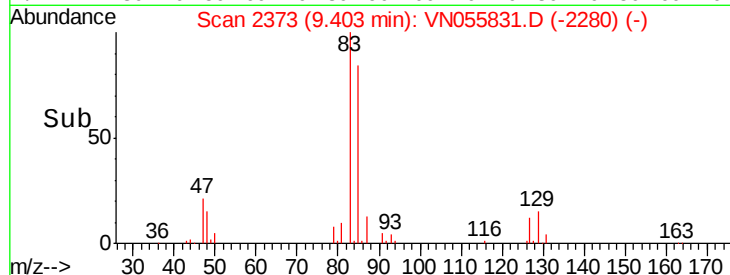
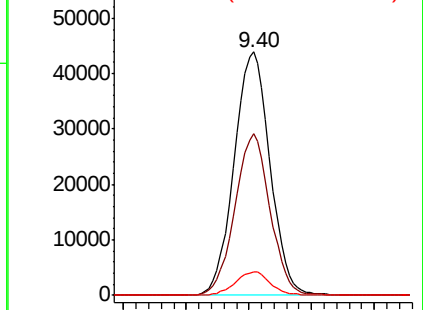
127 9.6 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055831.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055831.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055831.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.817 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

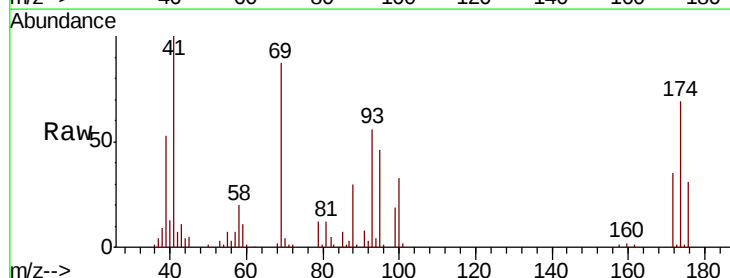
Tgt Ion: 41 Resp: 65527

Ion Ratio Lower Upper

41 100

69 87.8 71.0 106.6

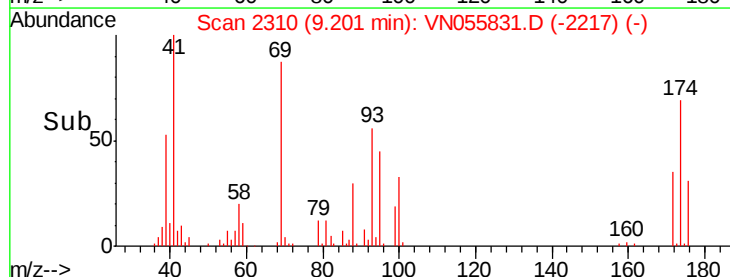
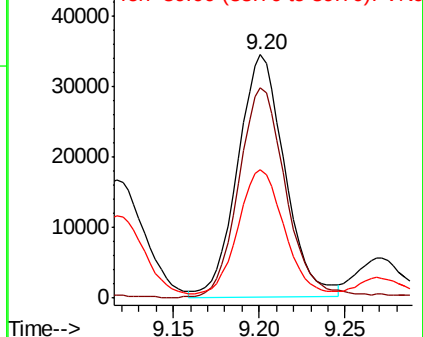
39 52.7 44.2 66.2

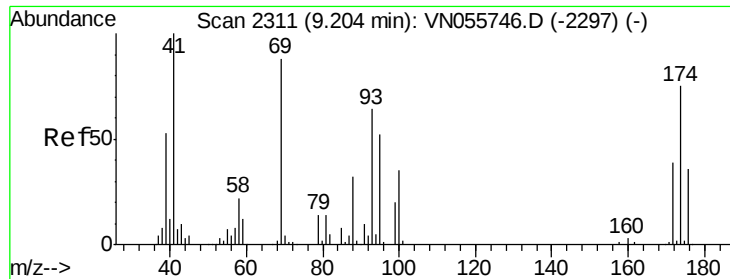


Abundance Ion 41.00 (40.70 to 41.70): VN055831.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055831.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055831.D (-2217) (-)





#49

1,4-Dioxane

Concen: 394.094 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

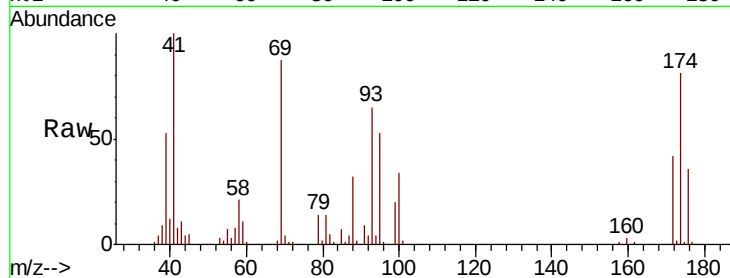
MSVOA_N

ClientSampleId :

VN0524WBSD03

Tot Ion: 88 Resp: 27080

Ion	Ratio	Lower	Upper
88	100		
43	25.2	20.5	30.7
58	66.1	55.8	83.6

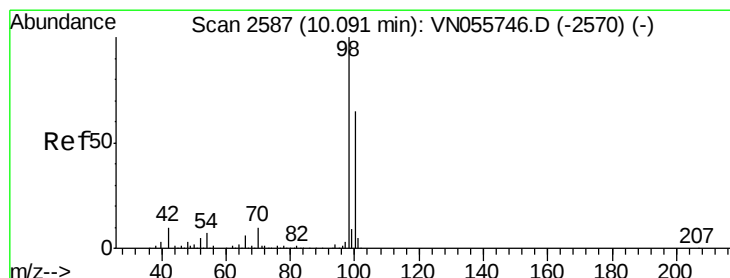
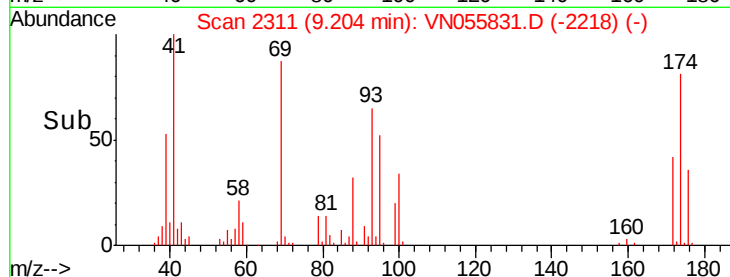
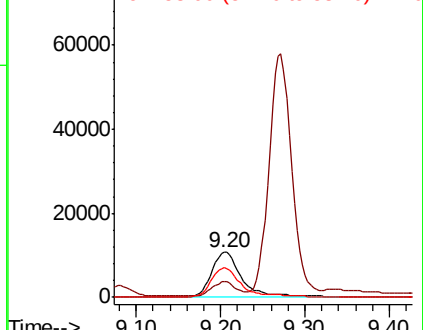


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.462 ug/l

RT: 10.09 min Scan# 2586

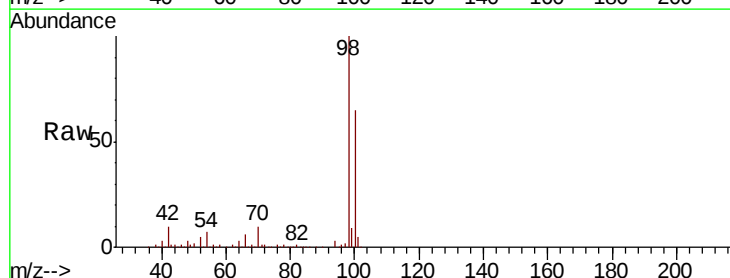
Delta R.T. -0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion: 98 Resp: 608164

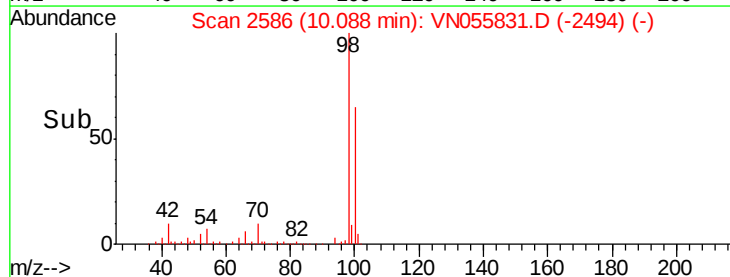
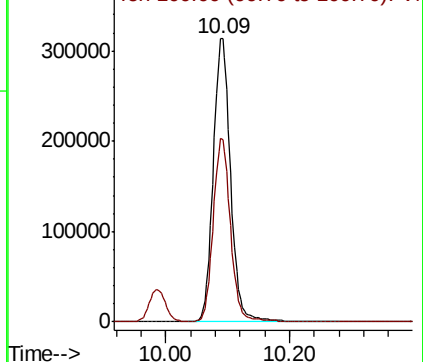
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.9	77.9

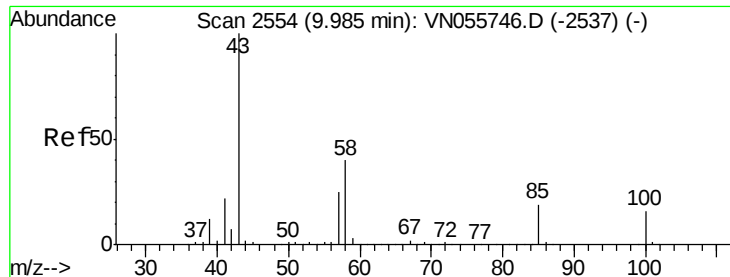


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.469 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

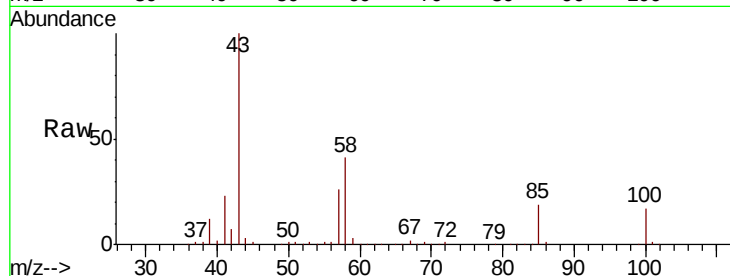
VN0524WBSD03

Tot Ion: 43 Resp: 408776

Ion Ratio Lower Upper

43 100

58 40.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2537) (-)

9.99

200000

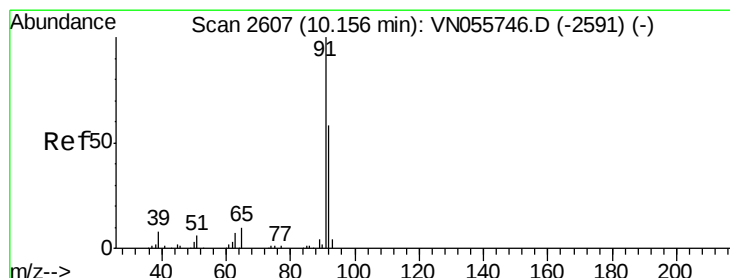
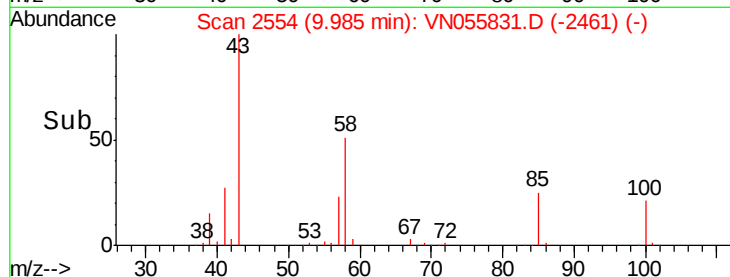
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.088 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055831.D

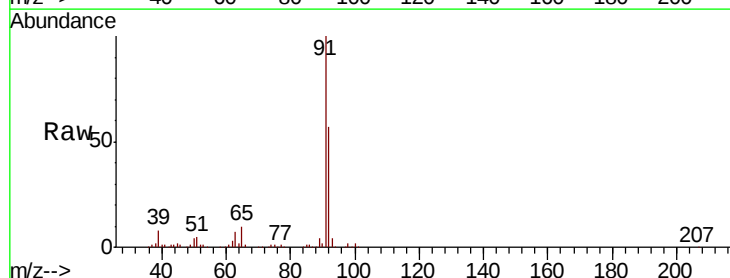
Acq: 25 May 2019 6:44

Tgt Ion: 92 Resp: 168228

Ion Ratio Lower Upper

92 100

91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055746.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-2591) (-)

10.16

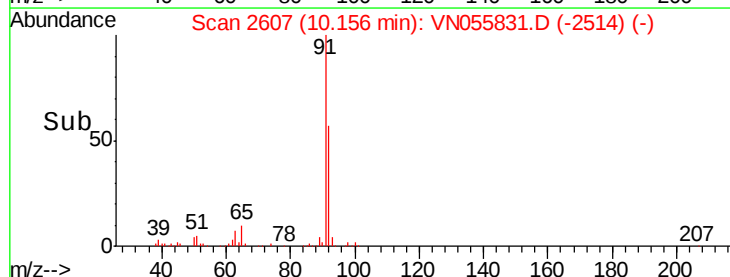
150000

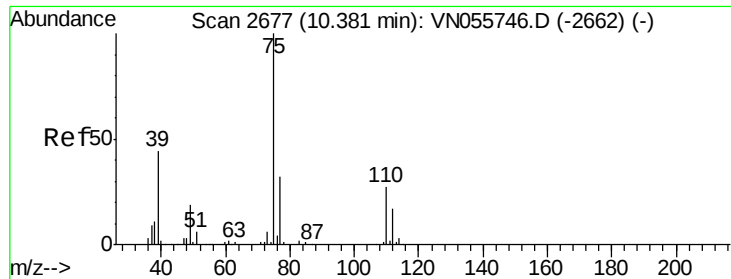
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.079 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

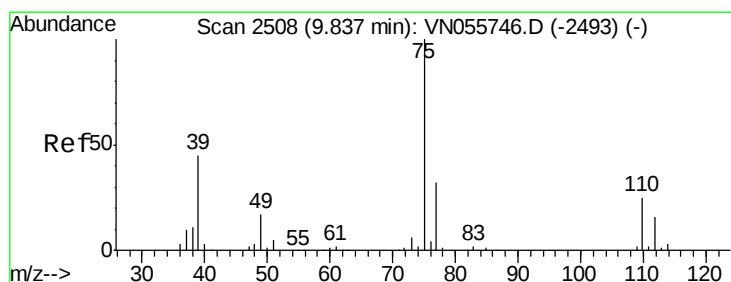
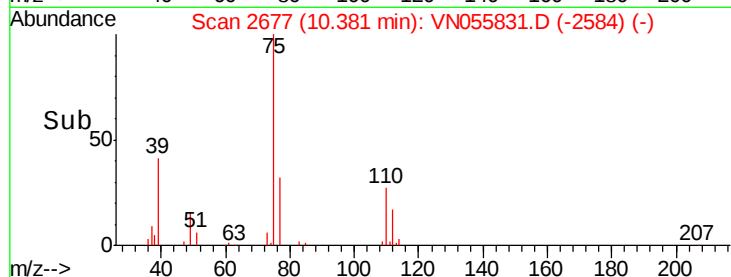
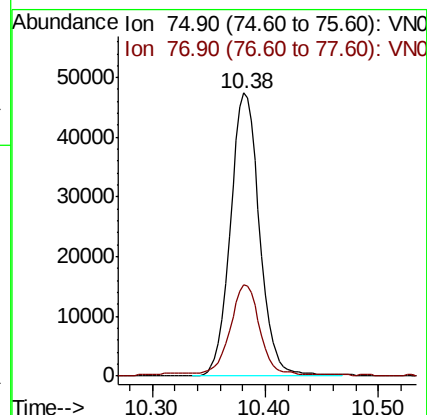
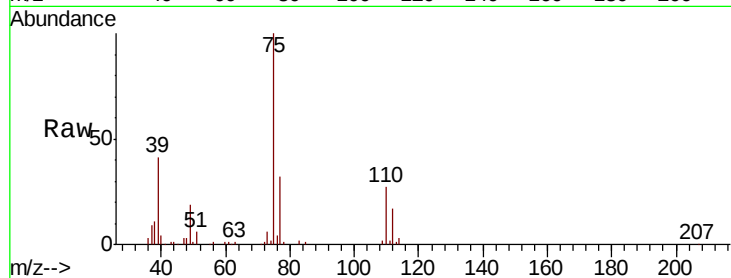
VN0524WBSD03

Tot Ion: 75 Resp: 85051

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 17.396 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

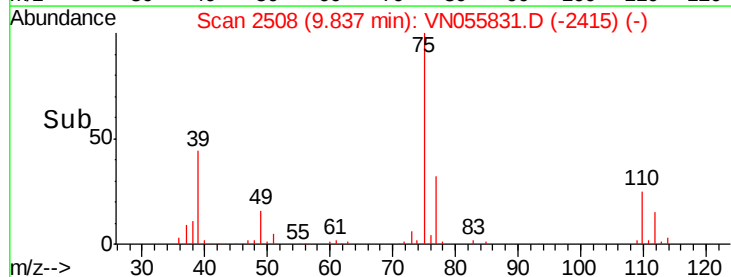
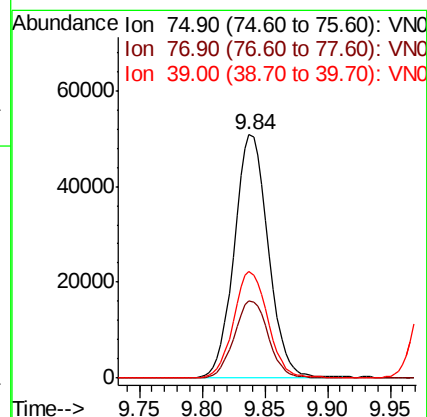
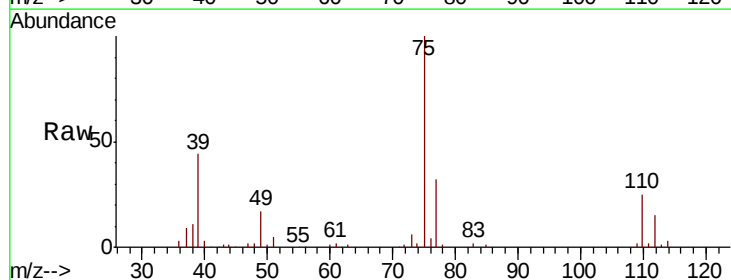
Tgt Ion: 75 Resp: 95972

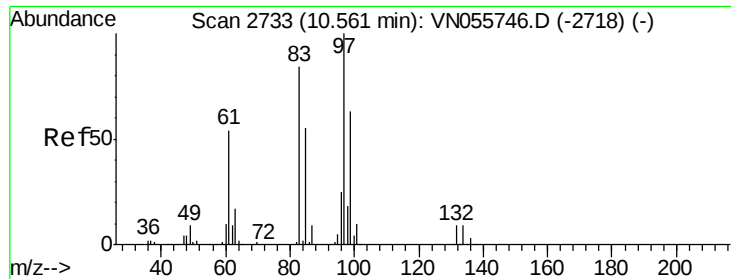
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 43.7 36.3 54.5

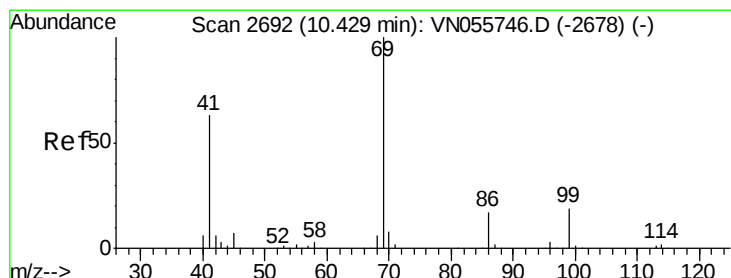
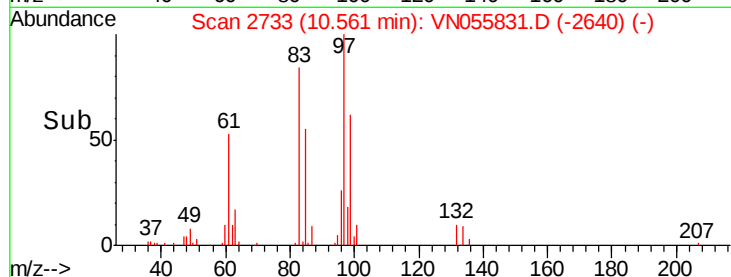
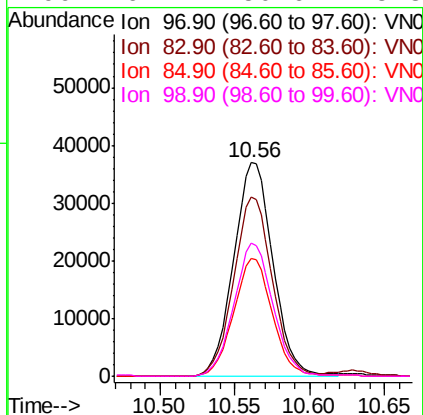
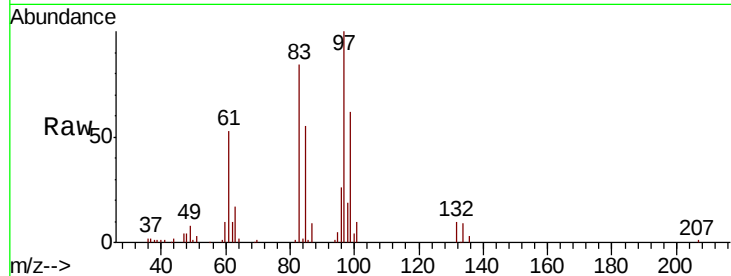




#55
 1,1,2-Trichloroethane
 Concen: 20.153 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

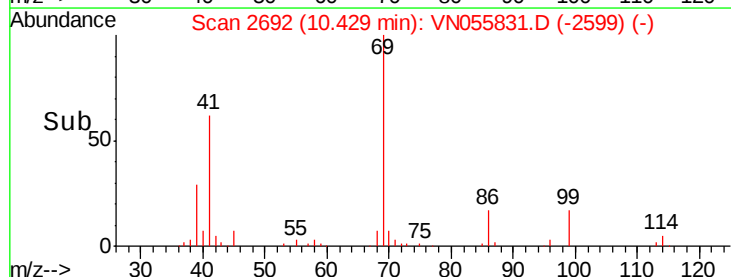
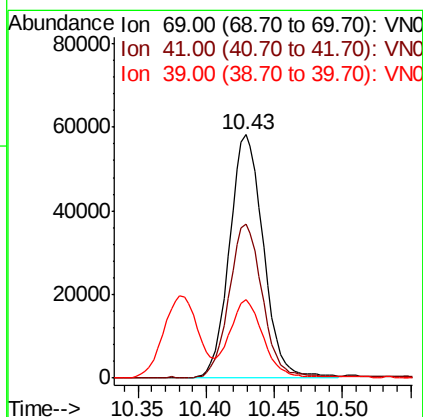
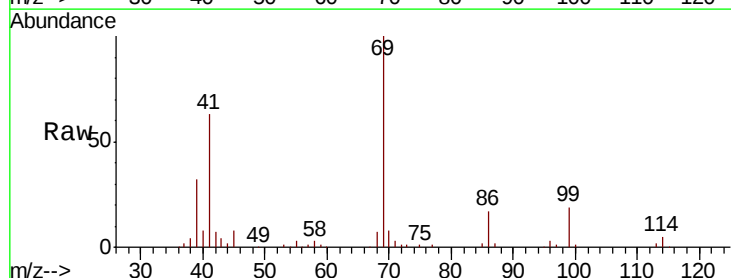
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

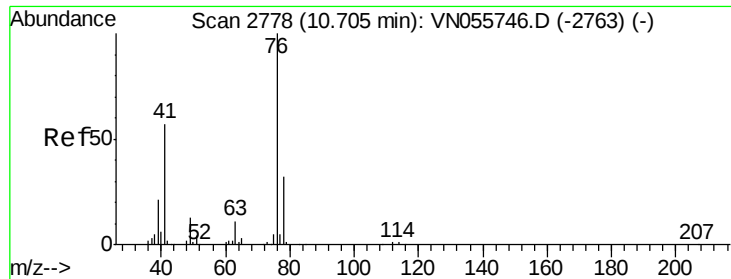
Tot Ion: 97 Resp: 67611
 Ion Ratio Lower Upper
 97 100
 83 84.1 67.0 100.6
 85 55.0 44.0 66.0
 99 62.1 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 19.457 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion: 69 Resp: 100887
 Ion Ratio Lower Upper
 69 100
 41 61.5 49.7 74.5
 39 30.1 24.7 37.1





#57

1,3-Dichloropropane

Concen: 19.579 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

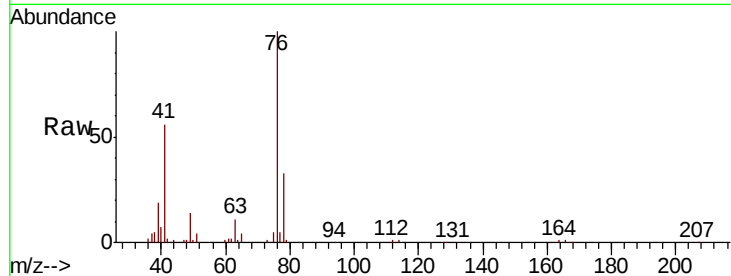
VN0524WBSD03

Tot Ion: 76 Resp: 106773

Ion Ratio Lower Upper

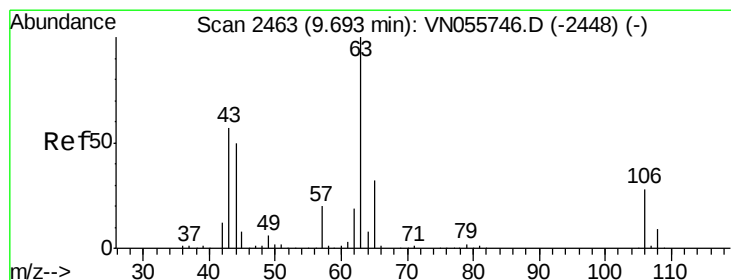
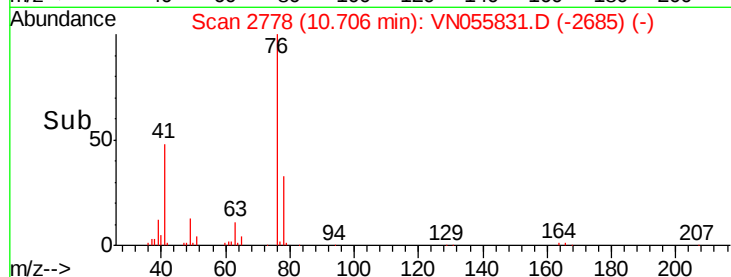
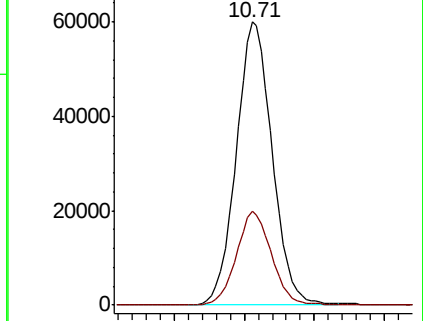
76 100

78 32.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 84.990 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055831.D

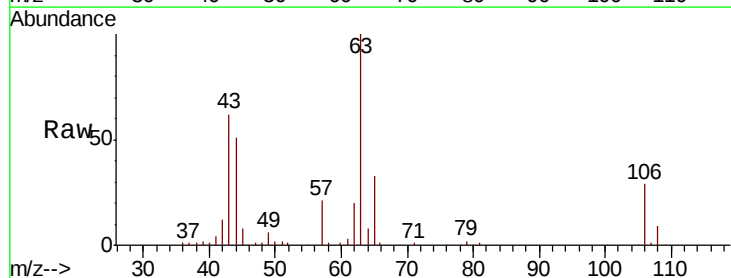
Acq: 25 May 2019 6:44

Tgt Ion: 63 Resp: 168407

Ion Ratio Lower Upper

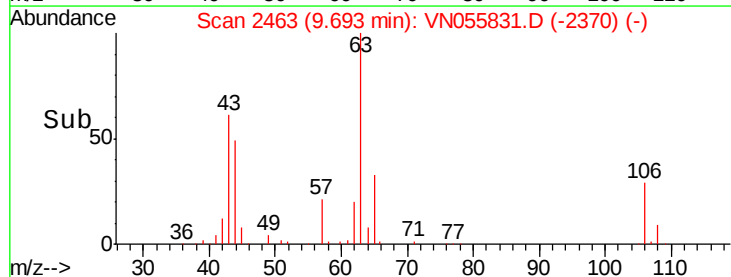
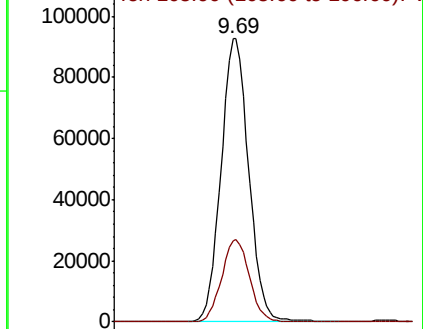
63 100

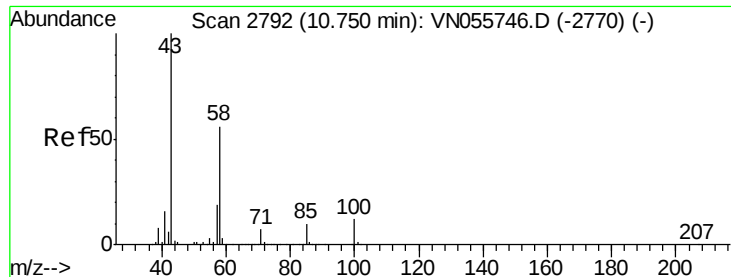
106 29.0 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

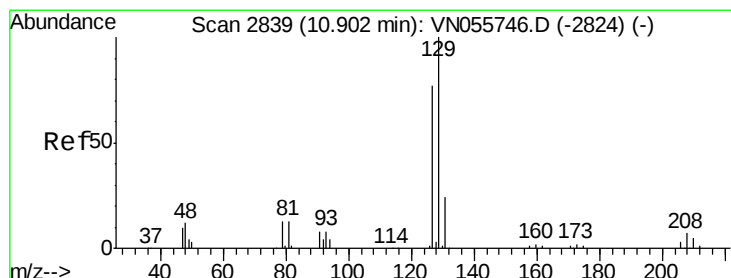
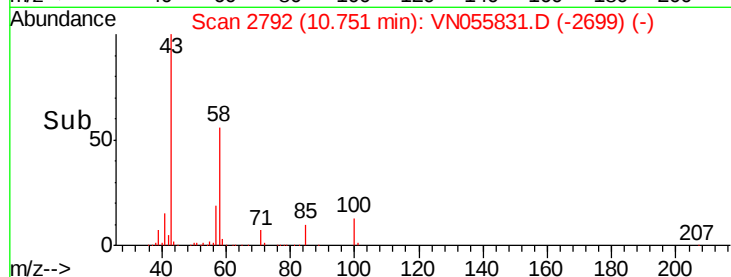
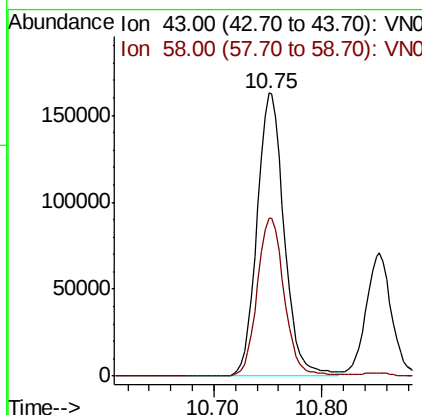
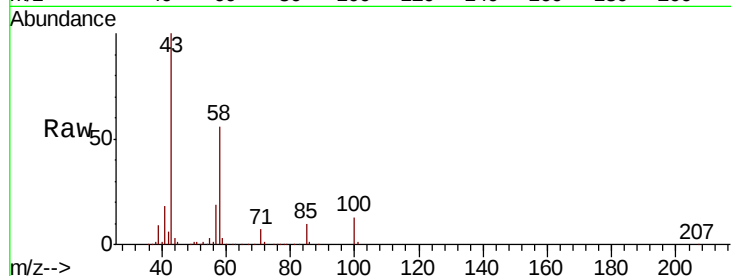




#59
2-Hexanone
Concen: 94.356 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

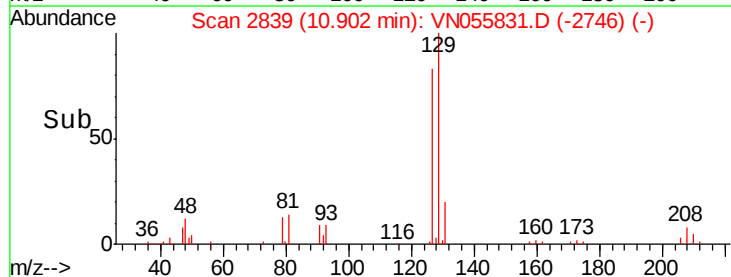
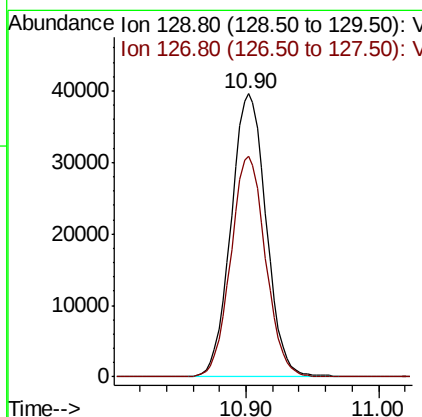
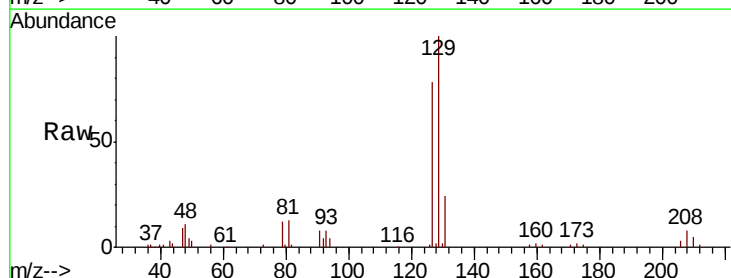
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

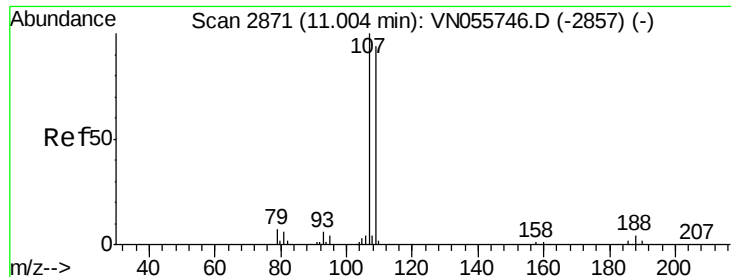
Tot Ion: 43 Resp: 283638
Ion Ratio Lower Upper
43 100
58 55.7 28.2 84.7



#60
Dibromochloromethane
Concen: 18.610 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion: 129 Resp: 72733
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.869 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

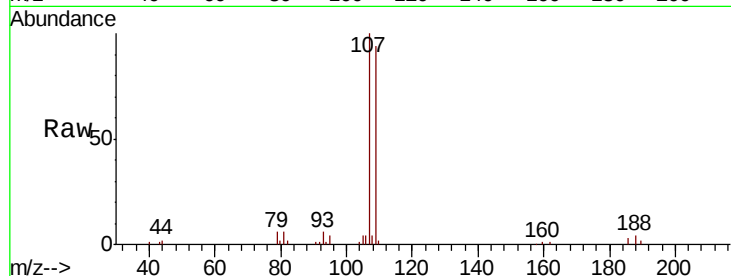
VN0524WBSD03

Tot Ion:107 Resp: 69143

Ion Ratio Lower Upper

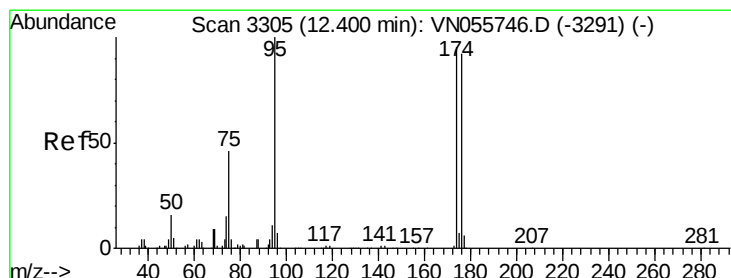
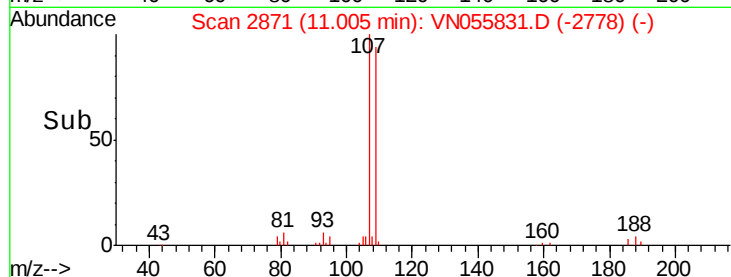
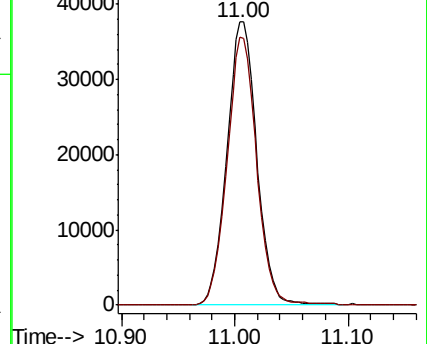
107 100

109 93.4 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.986 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

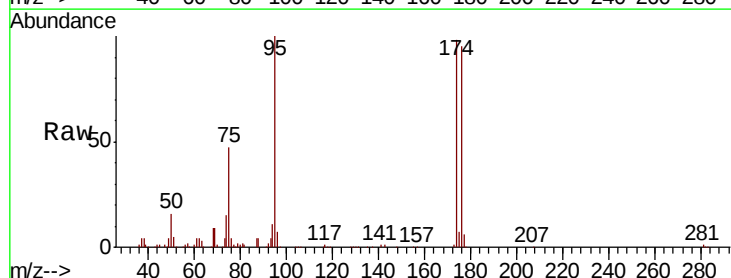
Tgt Ion: 95 Resp: 202306

Ion Ratio Lower Upper

95 100

174 97.8 0.0 191.0

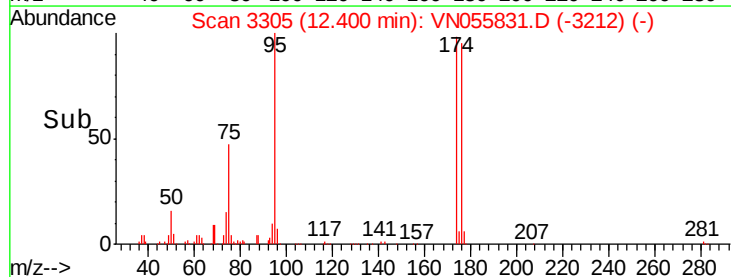
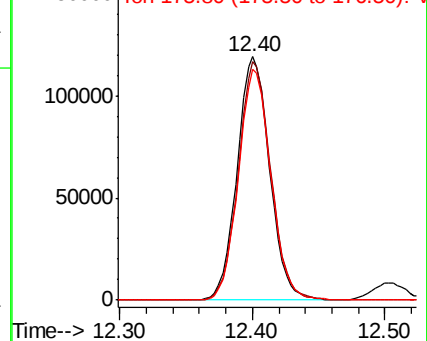
176 94.8 0.0 185.2

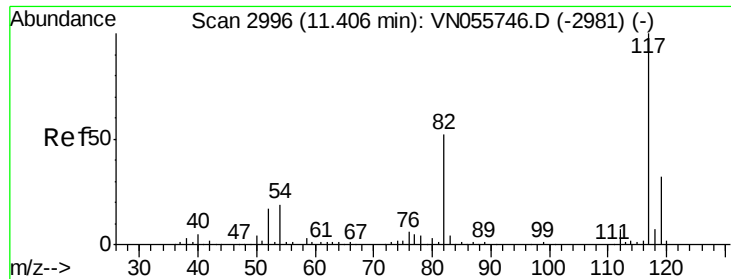


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

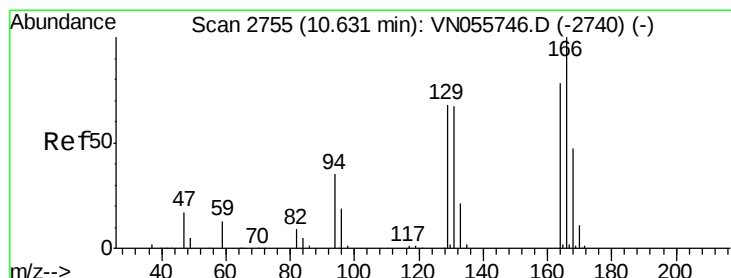
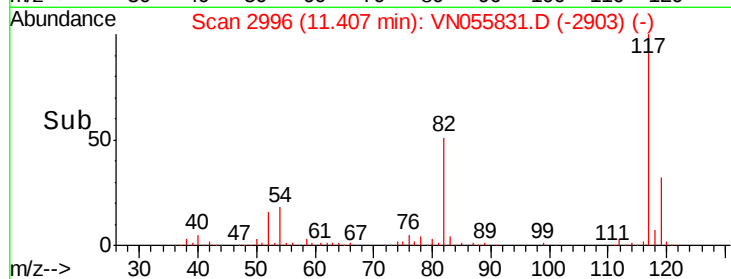
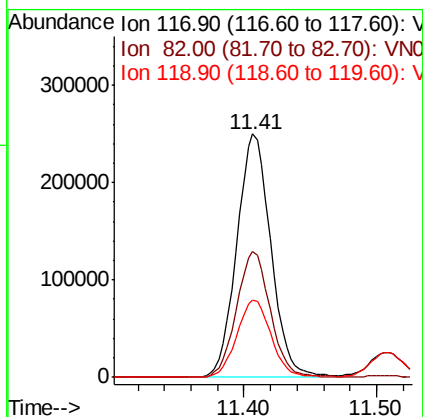
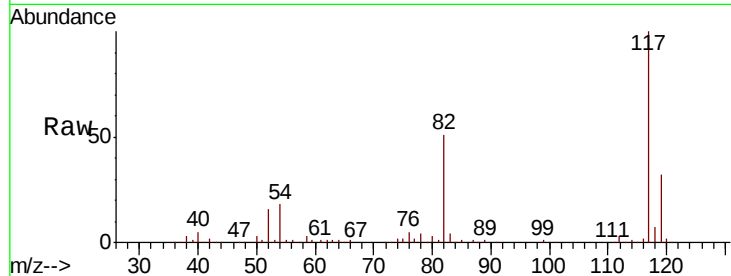




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

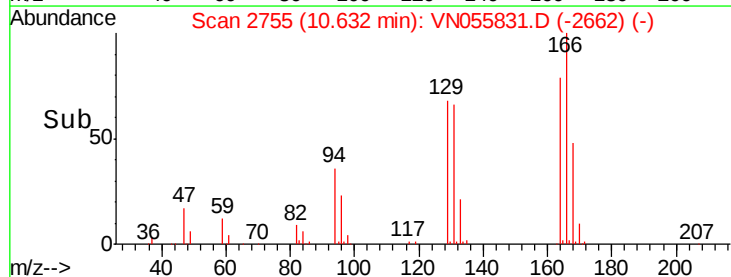
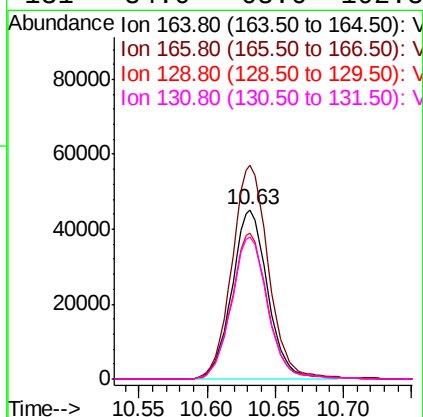
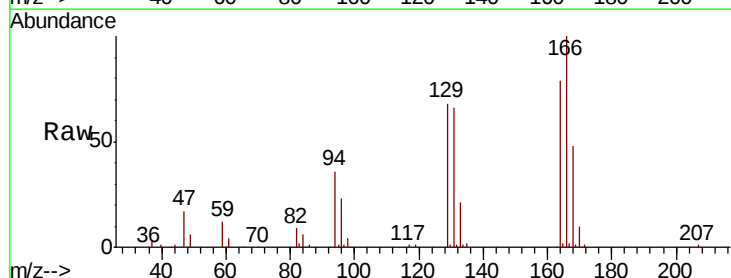
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

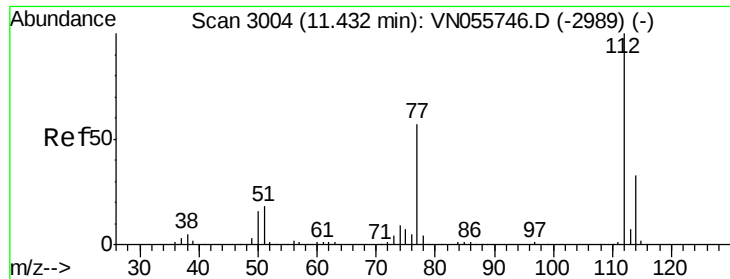
Tot Ion:117 Resp: 447633
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 21.795 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:164 Resp: 82287
Ion Ratio Lower Upper
164 100
166 126.3 103.0 154.6
129 86.5 70.6 105.8
131 84.0 68.6 102.8

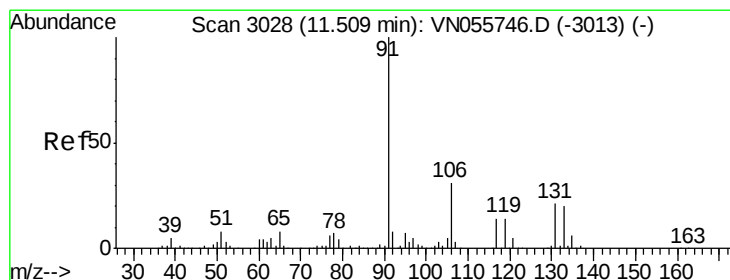
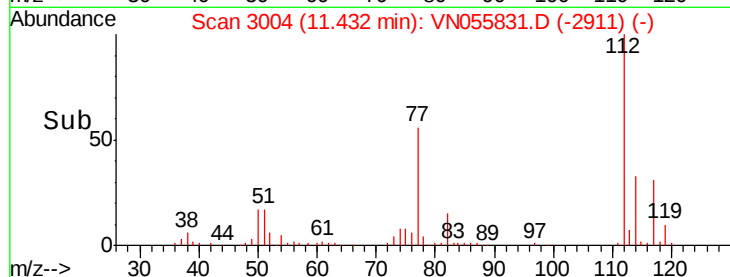
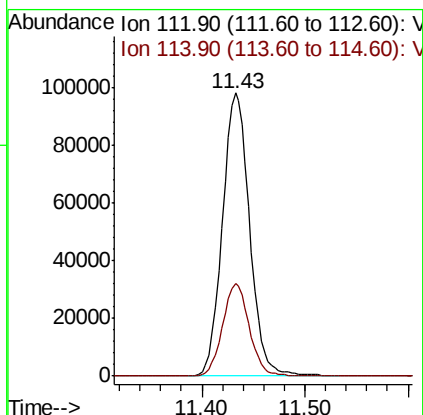
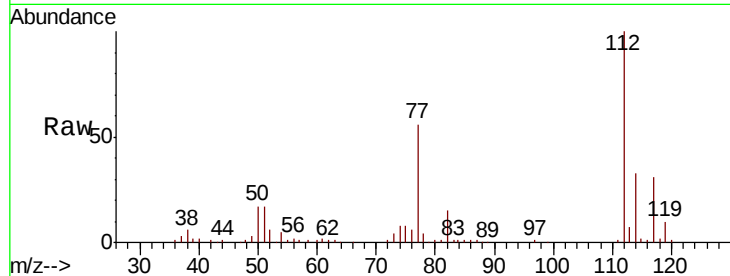




#65
Chlorobenzene
Concen: 20.109 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

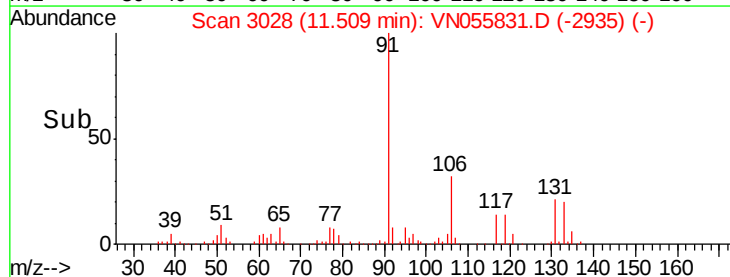
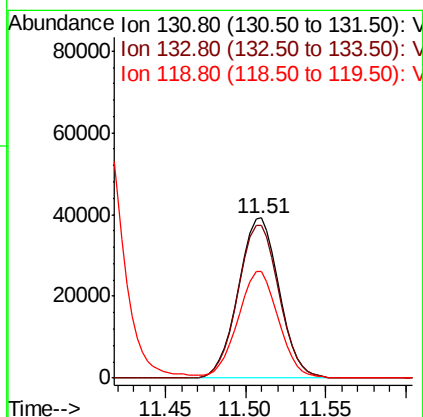
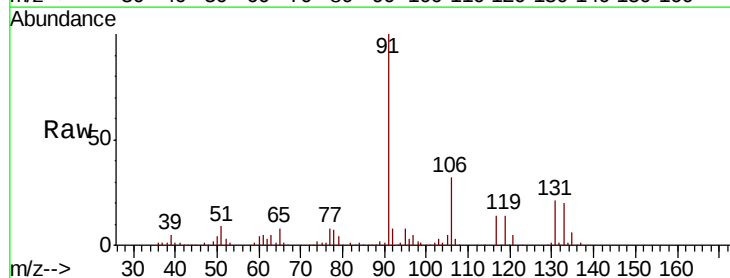
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

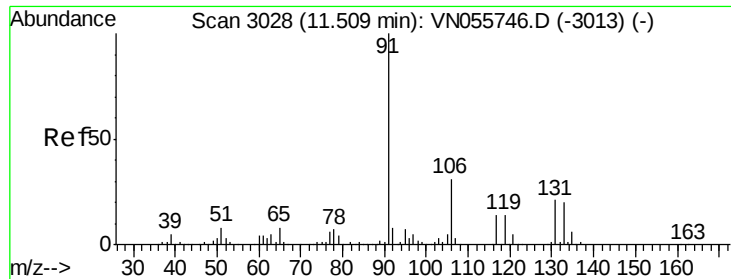
Tot Ion:112 Resp: 180196
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.103 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:131 Resp: 68273
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 66.3 33.1 99.5





#67

Ethyl Benzene

Concen: 19.650 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleID :

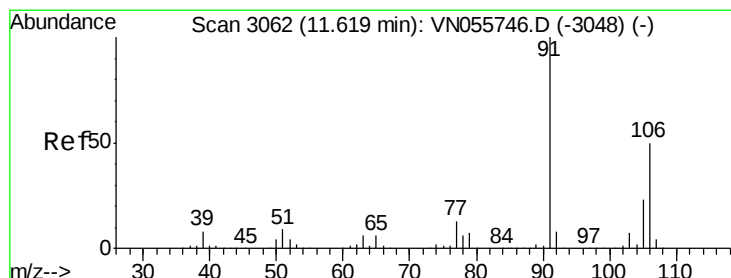
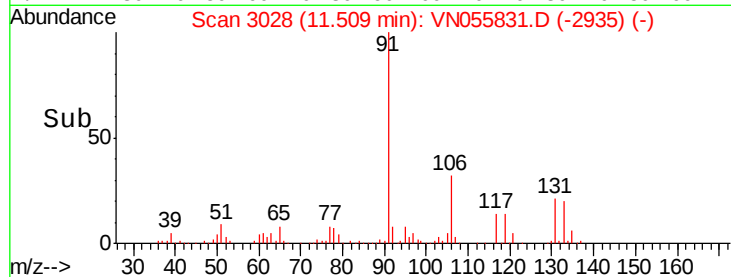
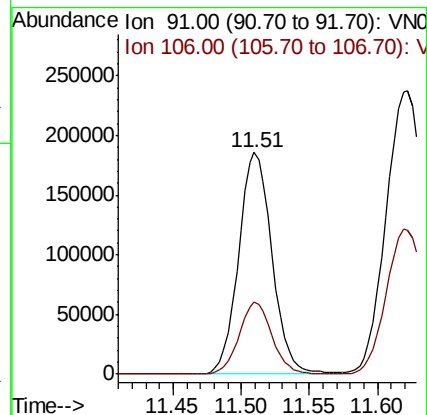
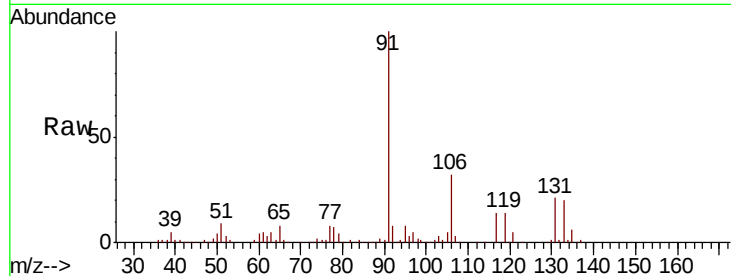
VN0524WBSD03

Tot Ion: 91 Resp: 315772

Ion Ratio Lower Upper

91 100

106 32.4 25.1 37.7



#68

m/p-Xylenes

Concen: 39.955 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055831.D

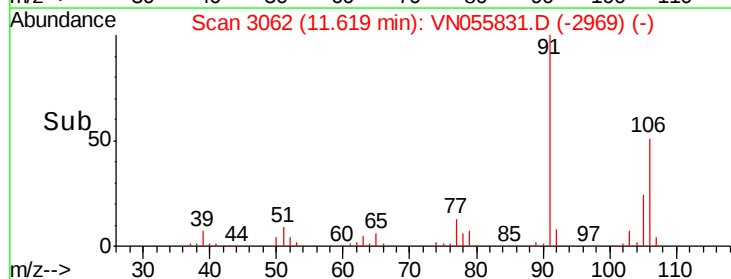
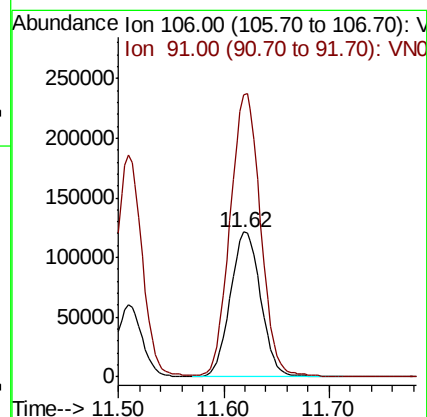
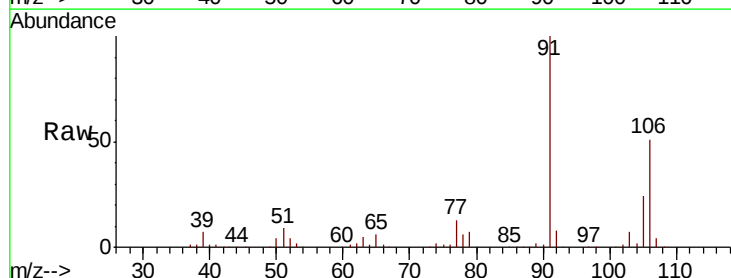
Acq: 25 May 2019 6:44

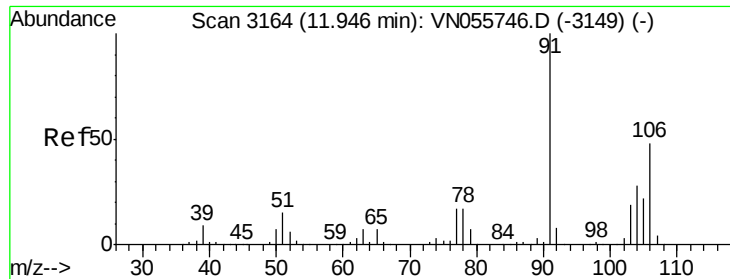
Tgt Ion:106 Resp: 242735

Ion Ratio Lower Upper

106 100

91 195.8 159.3 238.9

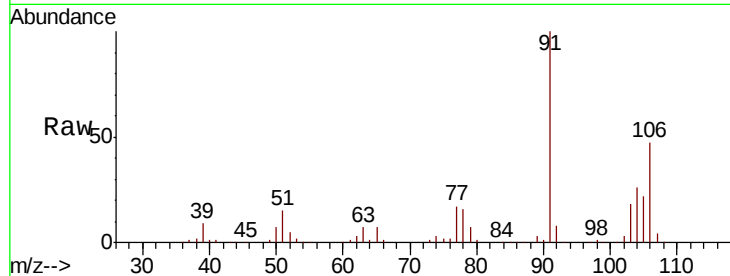




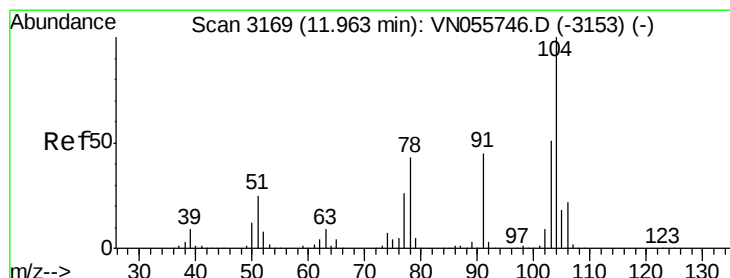
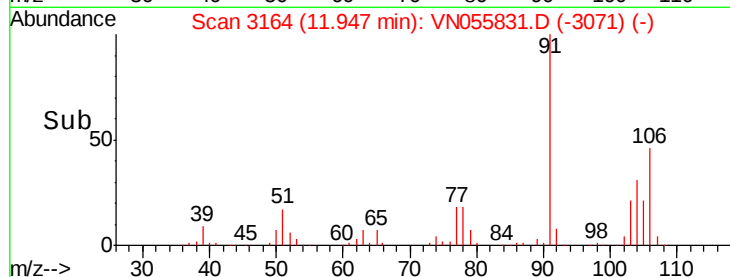
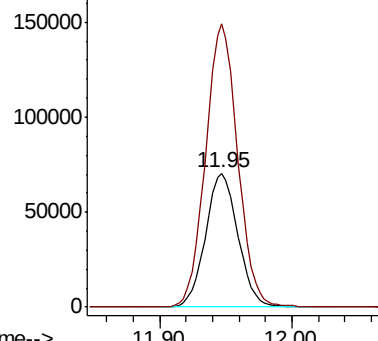
#69
o-Xylene
Concen: 19.815 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion:106 Resp: 119430
Ion Ratio Lower Upper
106 100
91 209.4 104.7 314.1

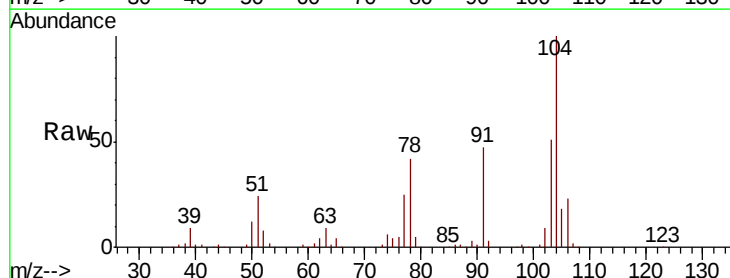


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

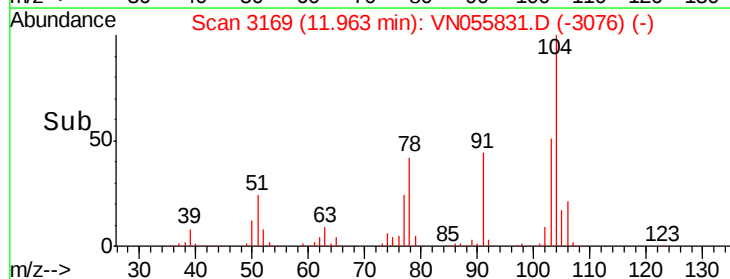
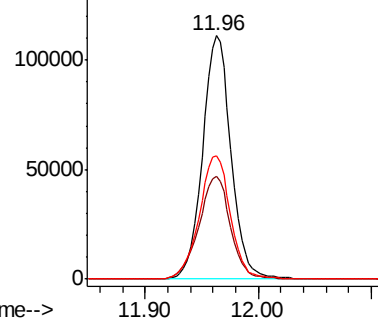


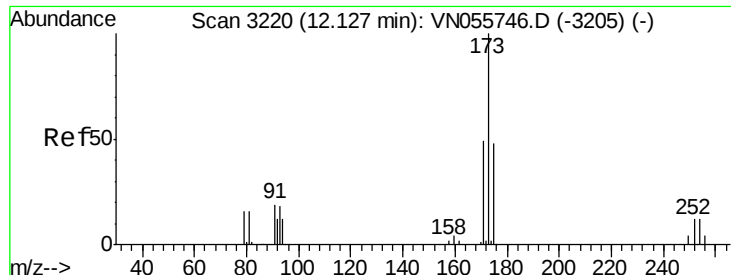
#70
Styrene
Concen: 19.856 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:104 Resp: 193810
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.5 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

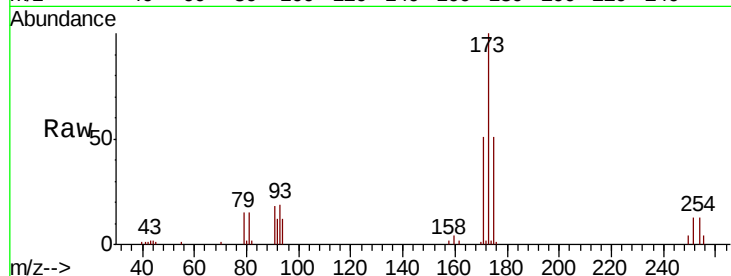




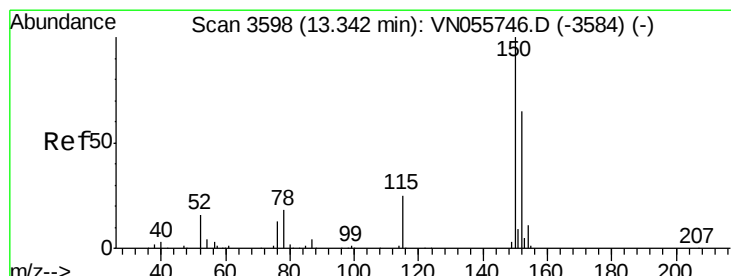
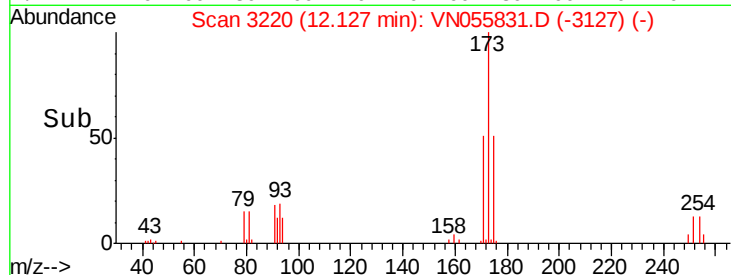
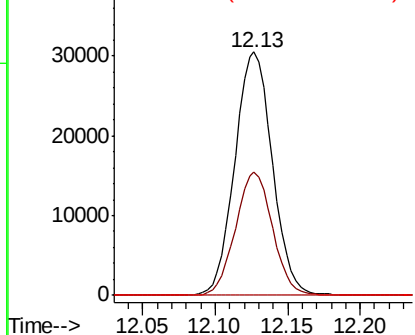
#71
Bromoform
Concen: 18.007 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion:173 Resp: 54895
Ion Ratio Lower Upper
173 100
175 49.7 24.3 72.8
254 0.0 0.0 0.0

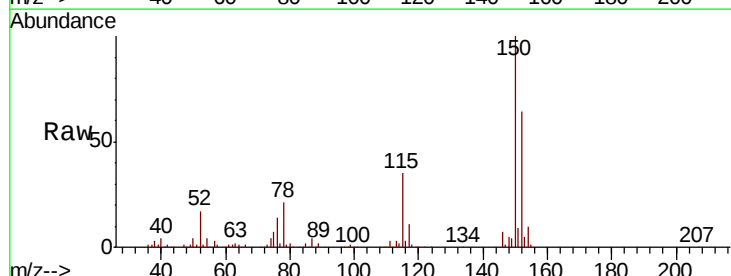


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

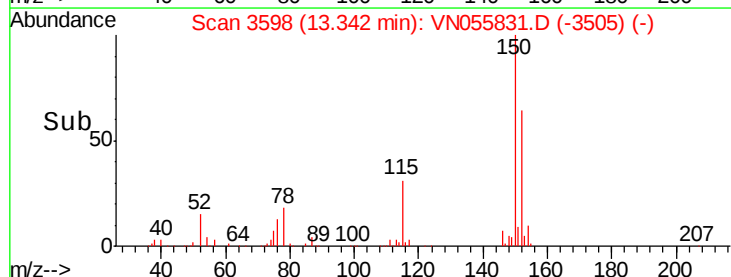
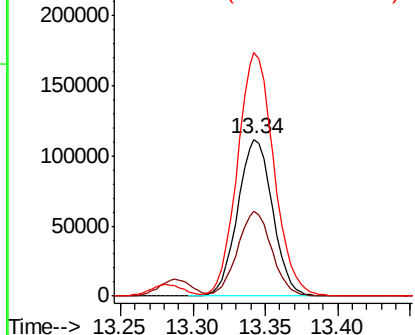


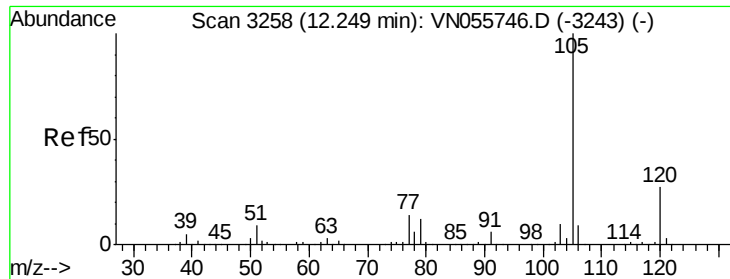
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:152 Resp: 187185
Ion Ratio Lower Upper
152 100
115 53.2 27.0 81.0
150 161.7 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.282 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

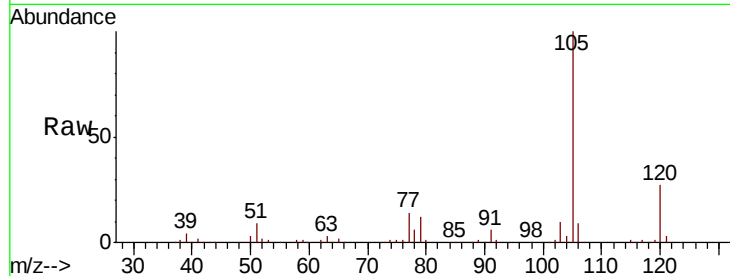
VN0524WBSD03

Tot Ion:105 Resp: 316375

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

150000

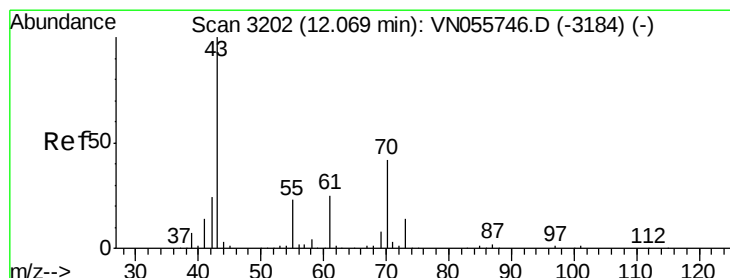
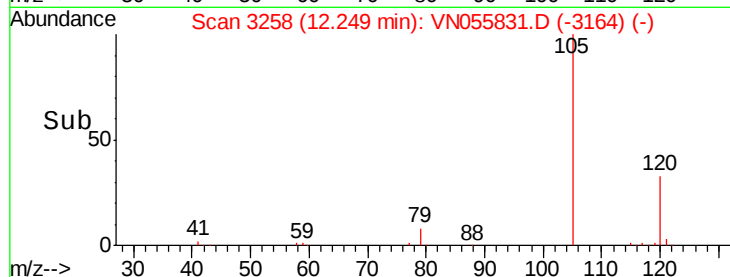
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 19.705 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Tgt Ion: 43 Resp: 106880

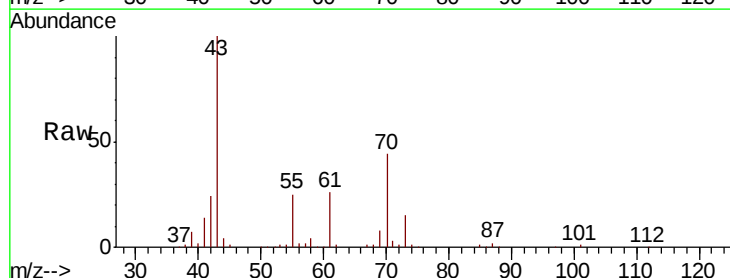
Ion Ratio Lower Upper

43 100

70 43.7 34.0 51.0

55 25.3 18.6 28.0

61 24.8 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

100000

80000

60000

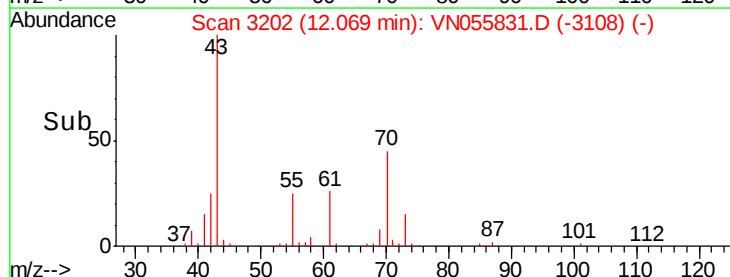
40000

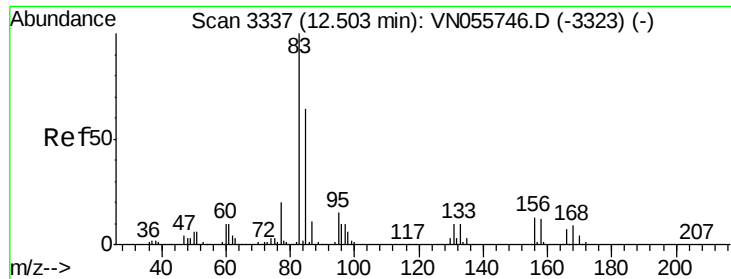
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.358 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

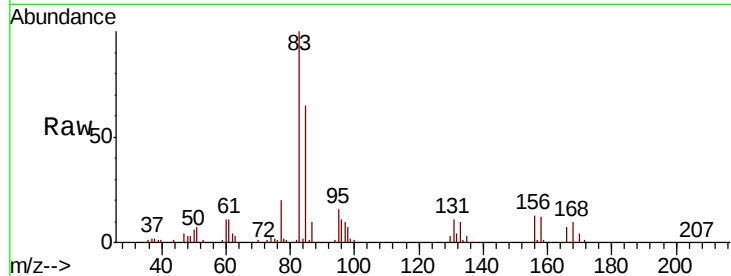
Tot Ion: 83 Resp: 91709

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

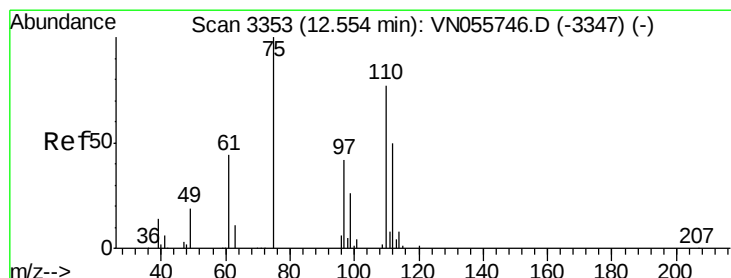
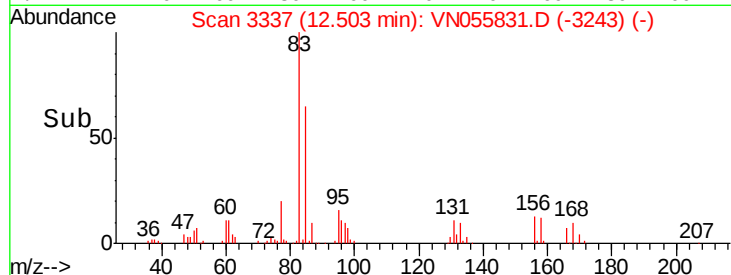
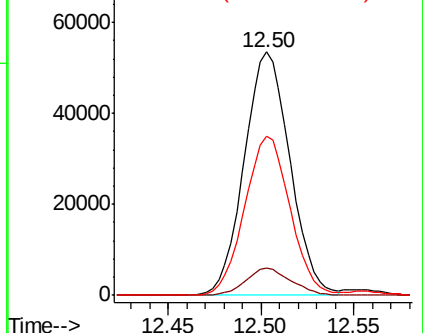
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055831.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055831.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055831.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 31.791 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055831.D

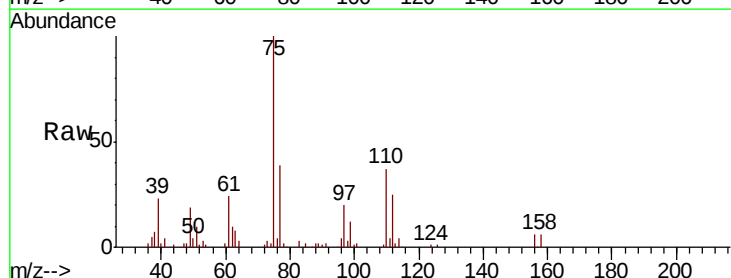
Acq: 25 May 2019 6:44

Tgt Ion: 75 Resp: 106163

Ion Ratio Lower Upper

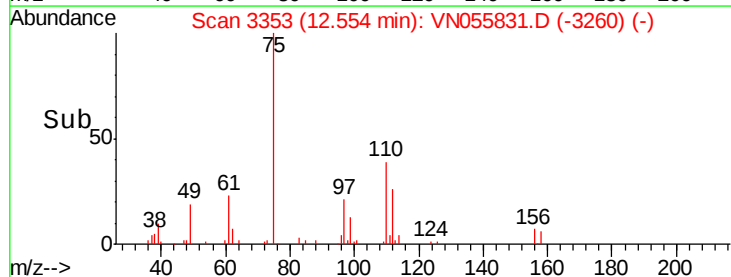
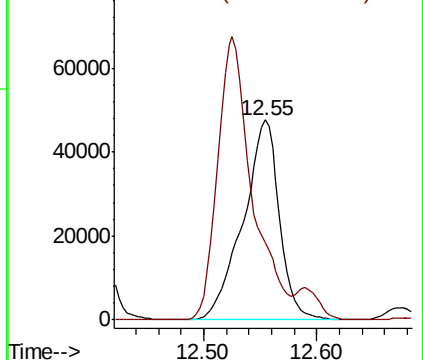
75 100

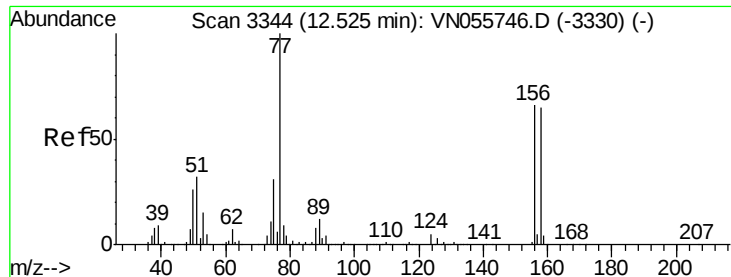
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055831.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055831.D (-3260) (-)





#77

Bromobenzene

Concen: 20.897 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

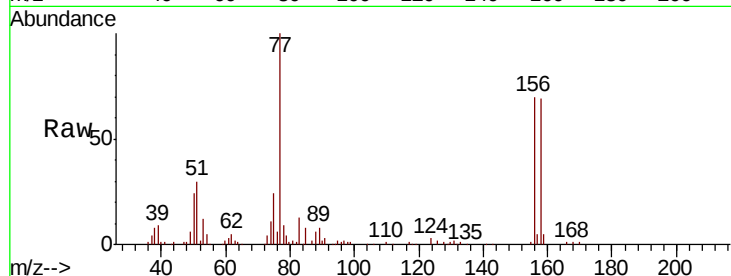
Tot Ion:156 Resp: 83471

Ion Ratio Lower Upper

156 100

77 171.3 90.8 272.5

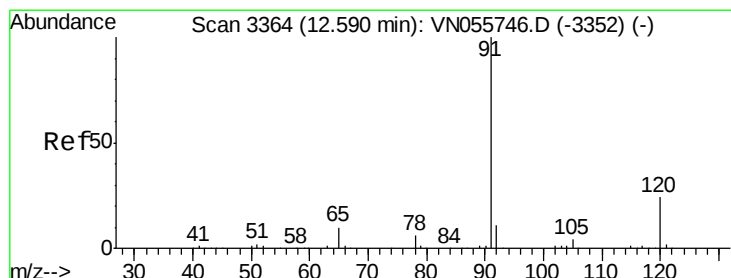
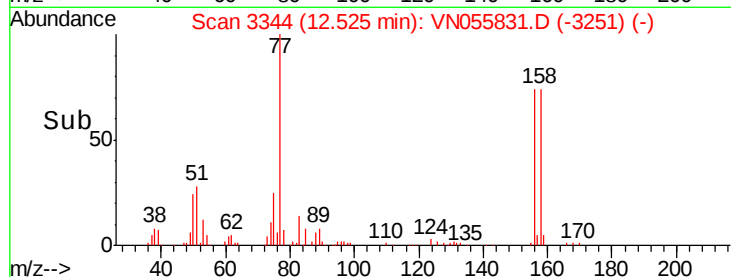
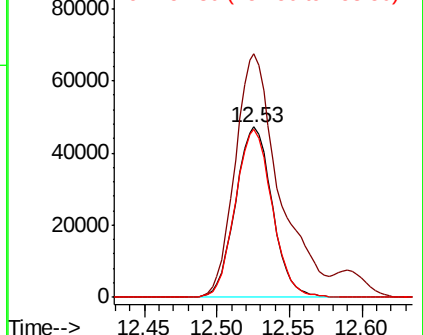
158 98.5 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.971 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055831.D

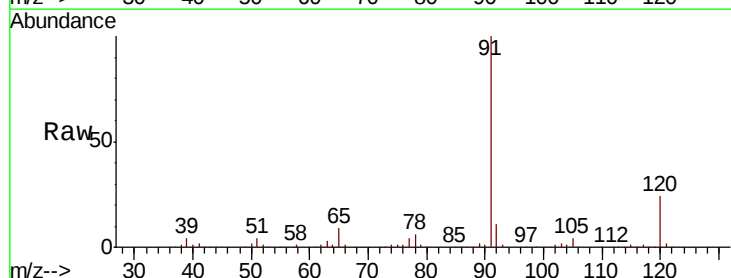
Acq: 25 May 2019 6:44

Tgt Ion: 91 Resp: 324903

Ion Ratio Lower Upper

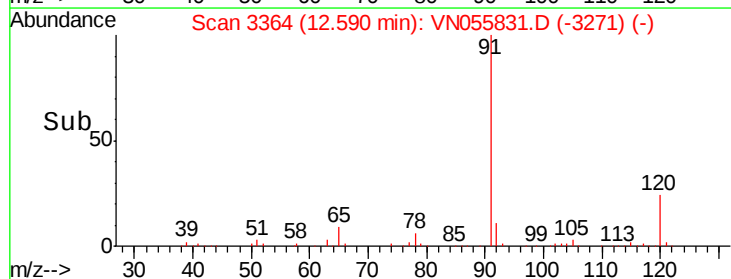
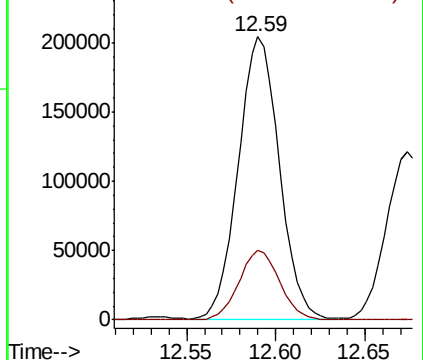
91 100

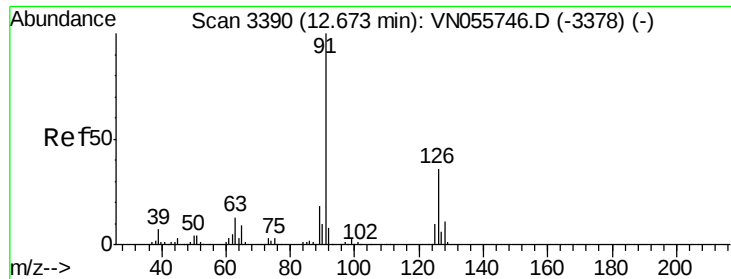
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.479 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

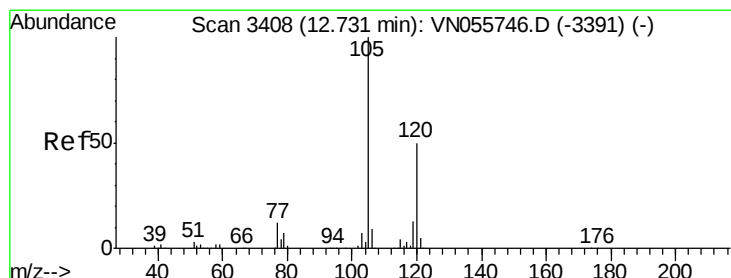
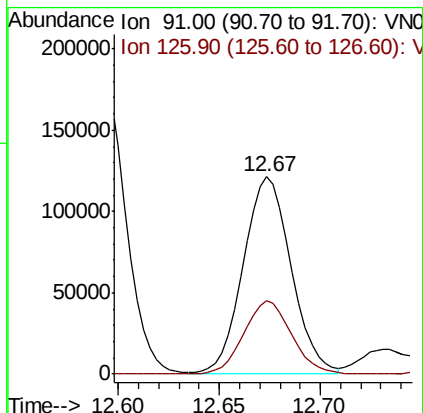
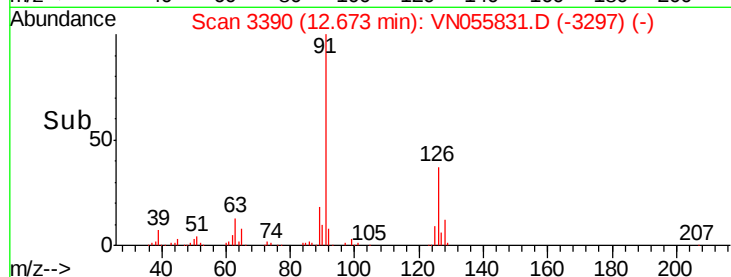
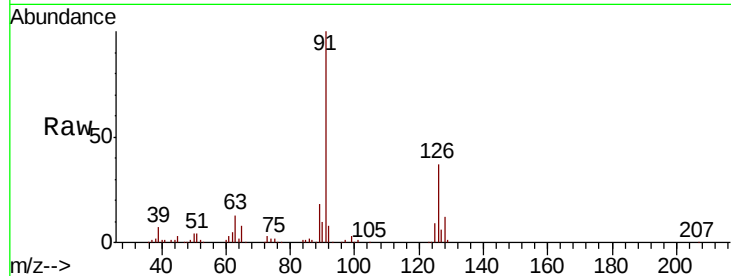
VN0524WBSD03

Tot Ion: 91 Resp: 200964

Ion Ratio Lower Upper

91 100

126 37.3 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 21.511 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055831.D

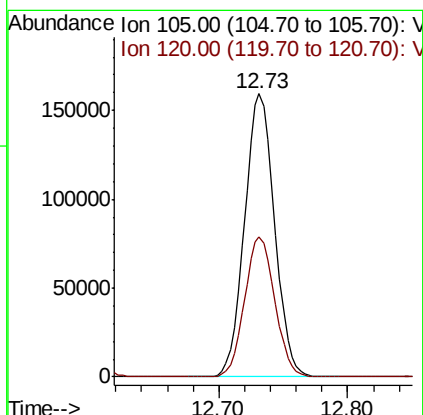
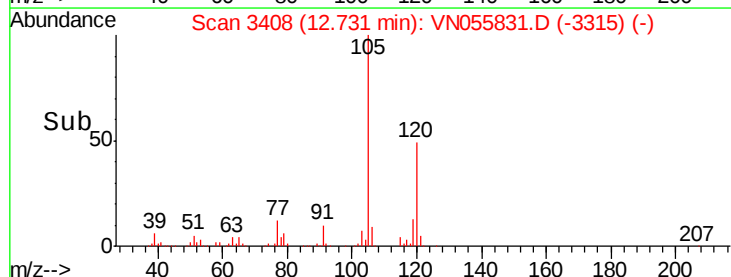
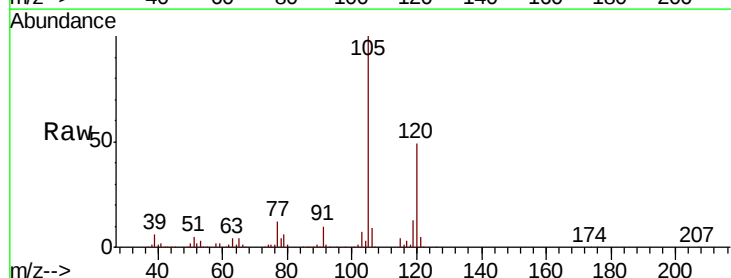
Acq: 25 May 2019 6:44

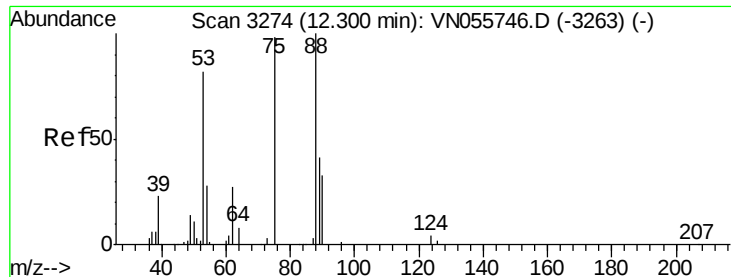
Tgt Ion: 105 Resp: 257438

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.667 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

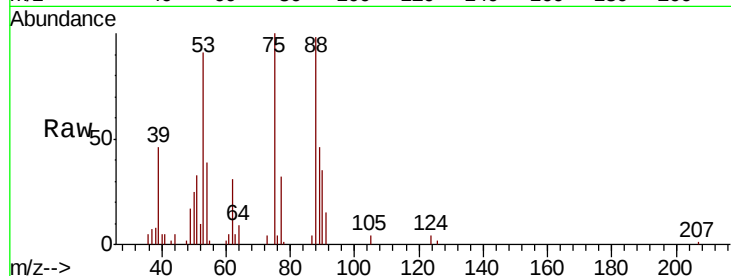
Tot Ion: 75 Resp: 20405

Ion Ratio Lower Upper

75 100

53 90.8 68.1 102.1

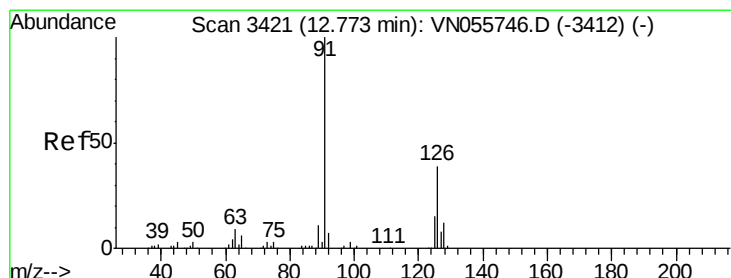
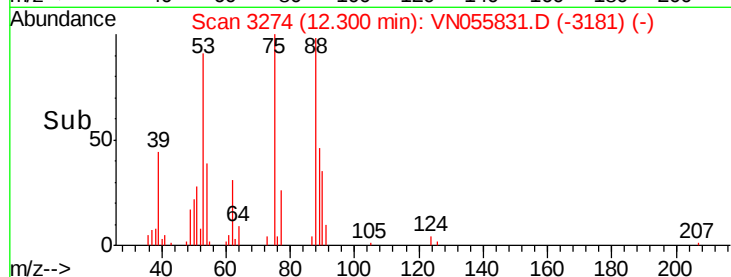
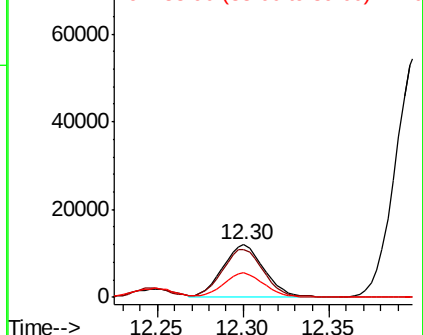
89 44.7 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.910 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055831.D

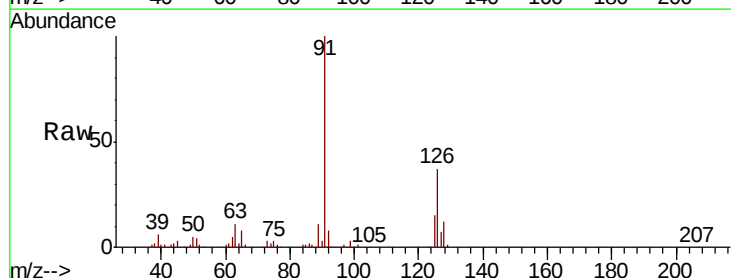
Acq: 25 May 2019 6:44

Tgt Ion: 91 Resp: 190409

Ion Ratio Lower Upper

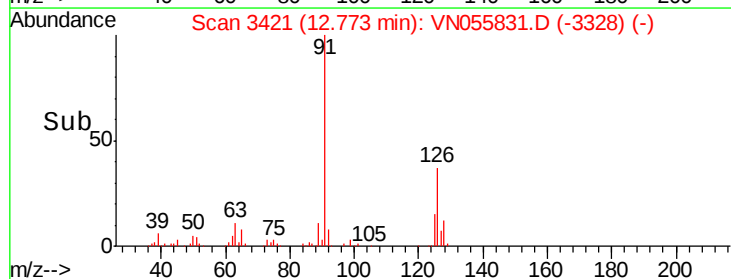
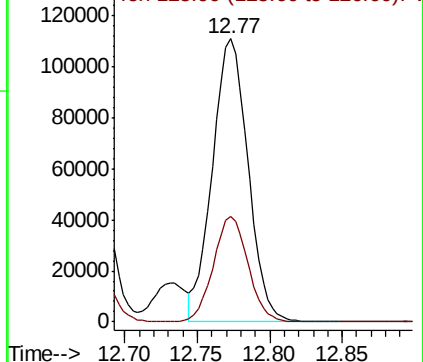
91 100

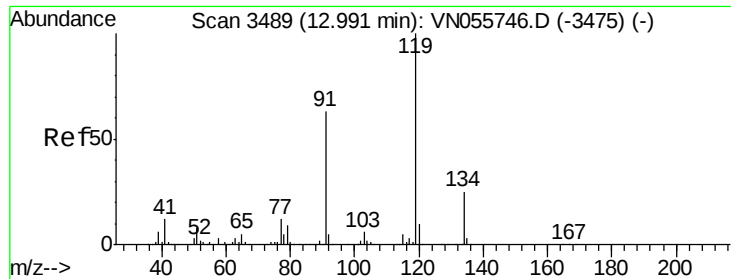
126 36.1 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

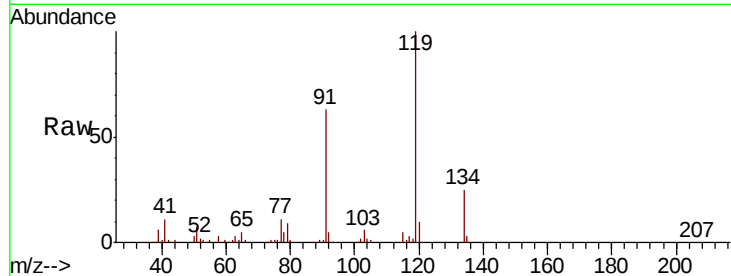




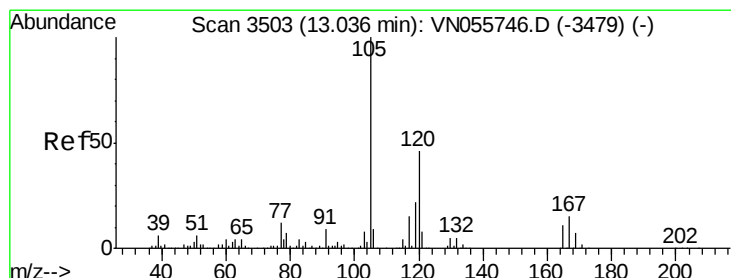
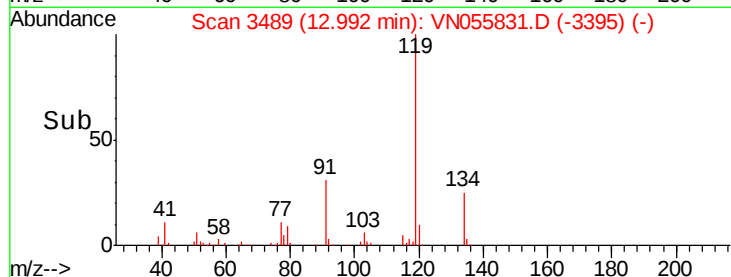
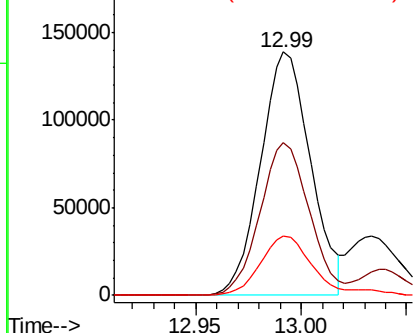
#83
tert-Butylbenzene
Concen: 21.991 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion:119 Resp: 229474
Ion Ratio Lower Upper
119 100
91 62.0 30.9 92.8
134 26.1 13.3 39.8

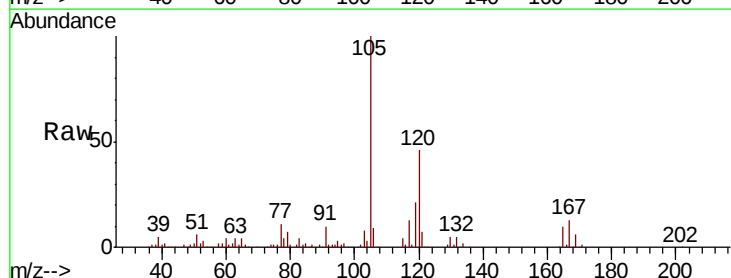


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

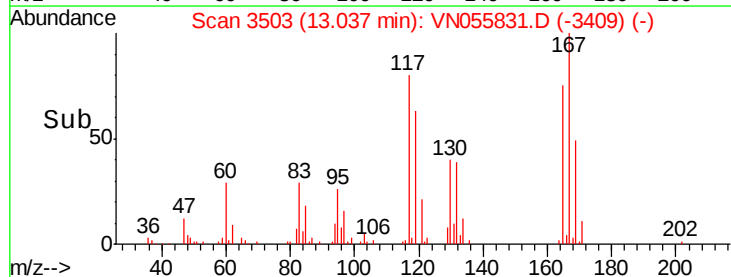
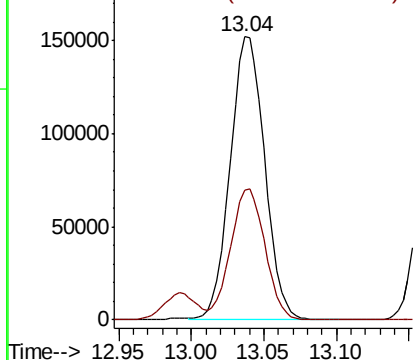


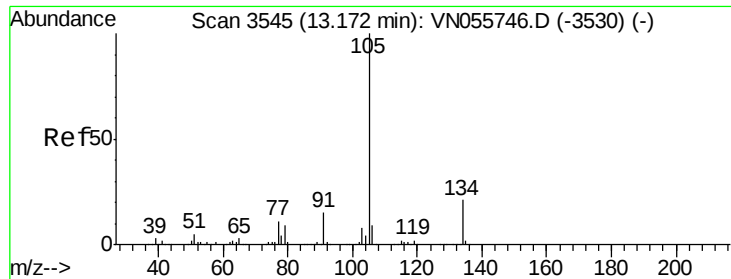
#84
1,2,4-Trimethylbenzene
Concen: 21.090 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:105 Resp: 251132
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.559 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

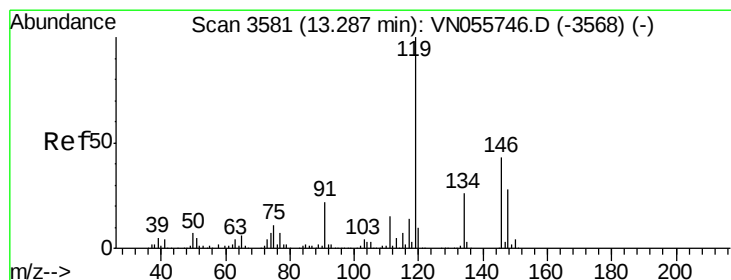
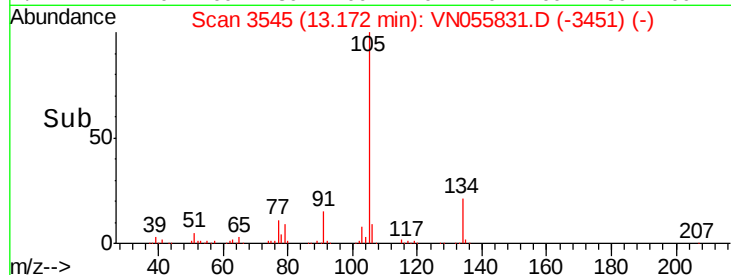
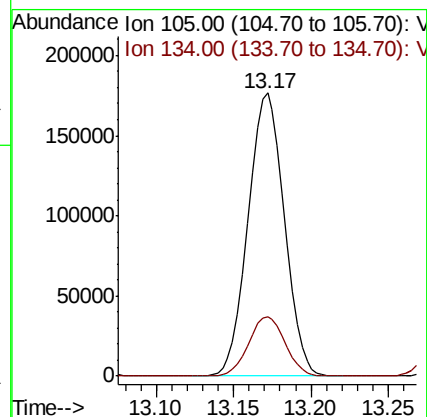
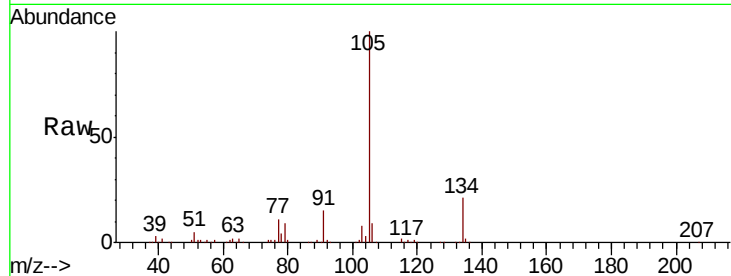
VN0524WBSD03

Tot Ion:105 Resp: 288592

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.2



#86

p-Isopropyltoluene

Concen: 19.944 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

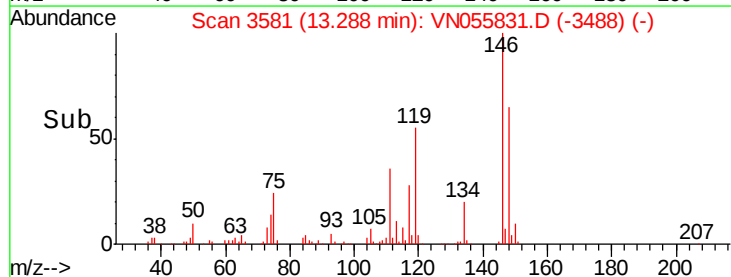
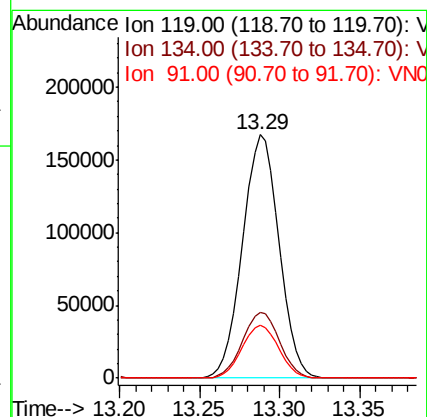
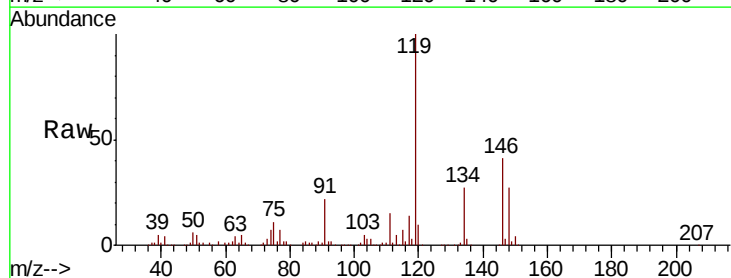
Tgt Ion:119 Resp: 259262

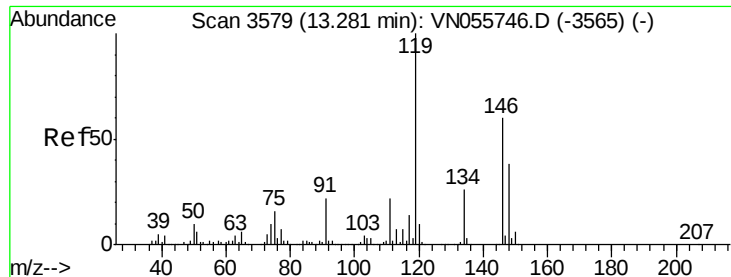
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

91 22.0 10.9 32.9

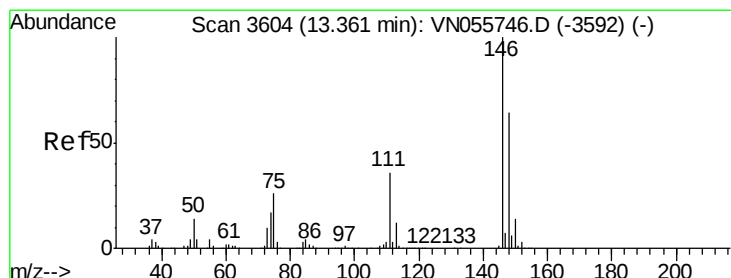
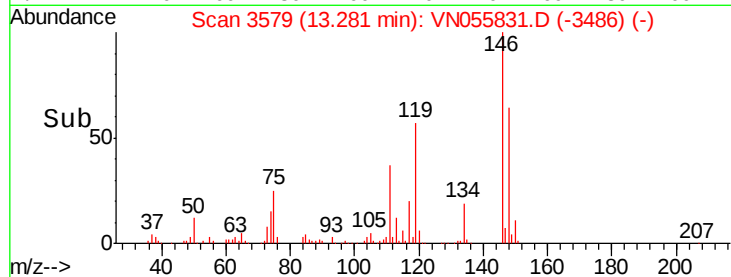
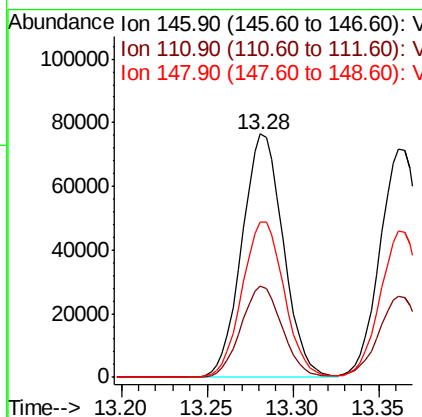
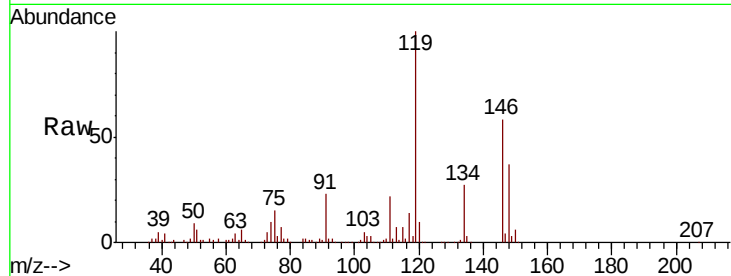




#87
 1,3-Dichlorobenzene
 Concen: 20.170 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

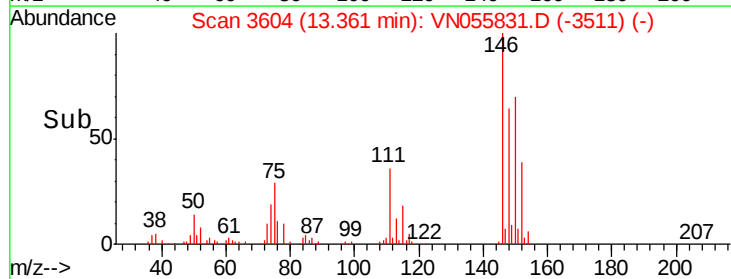
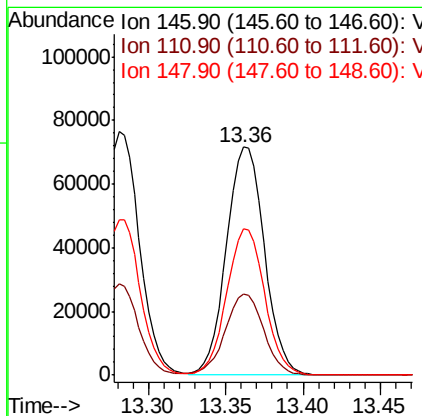
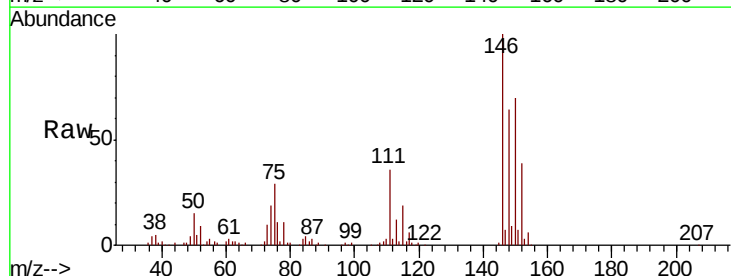
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

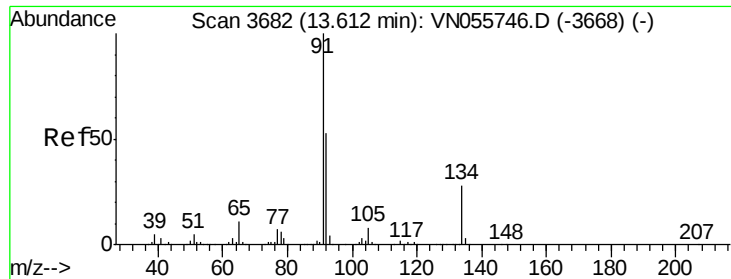
Tot Ion:146 Resp: 127572
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.5 55.5
 148 64.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.335 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion:146 Resp: 122278
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.4
 148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 18.885 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

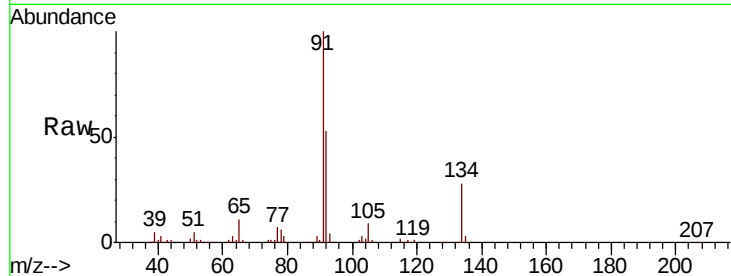
Tot Ion: 91 Resp: 188092

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.0

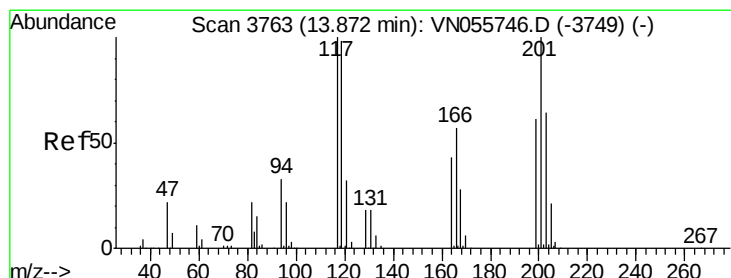
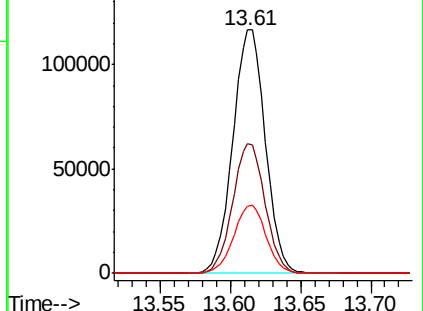
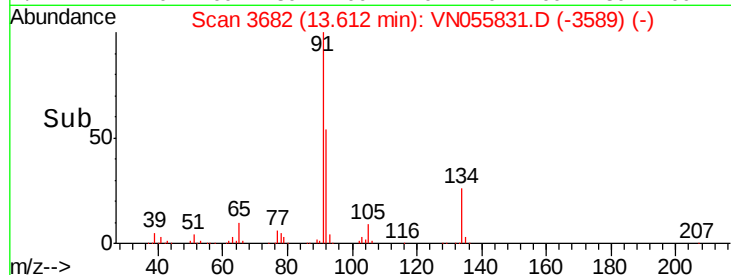
134 27.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.464 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055831.D

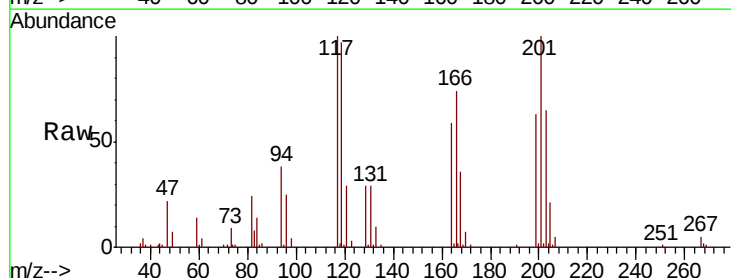
Acq: 25 May 2019 6:44

Tgt Ion: 117 Resp: 45684

Ion Ratio Lower Upper

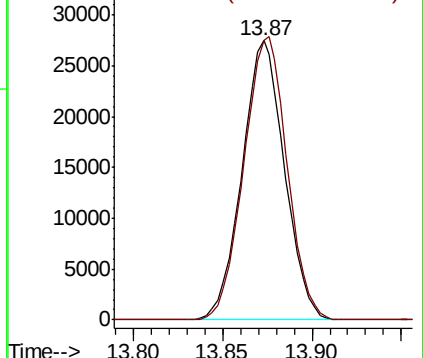
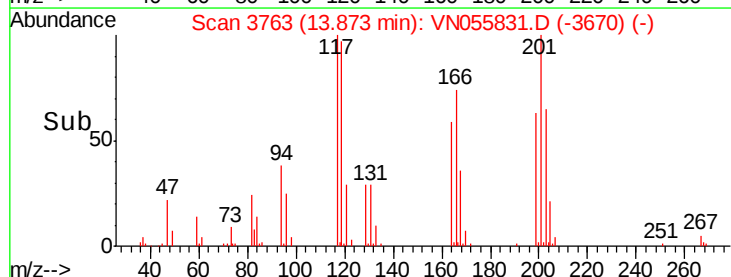
117 100

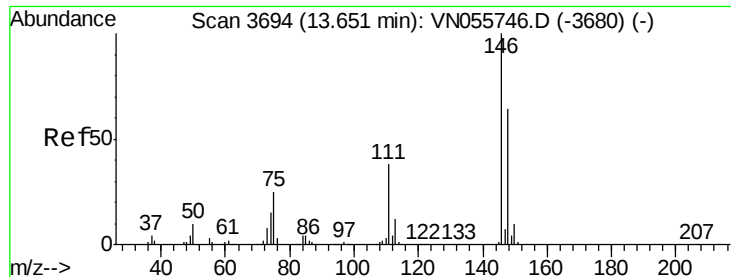
201 103.0 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.703 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD03

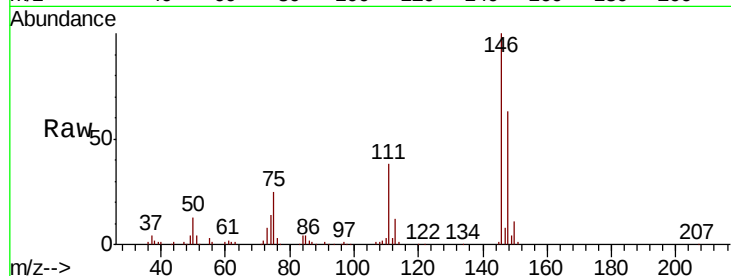
Tot Ion:146 Resp: 130638

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.5

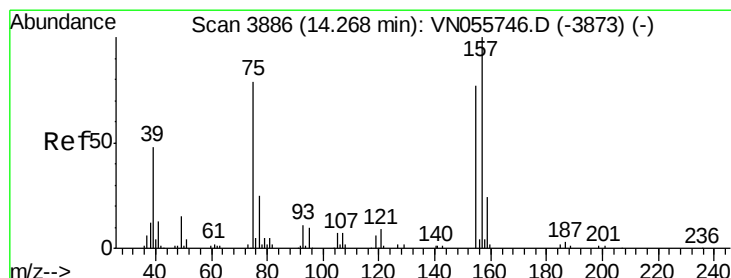
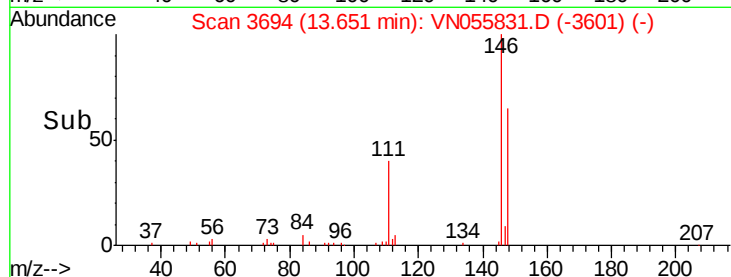
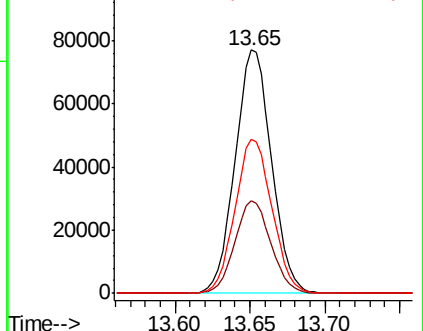
148 64.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.104 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055831.D

Acq: 25 May 2019 6:44

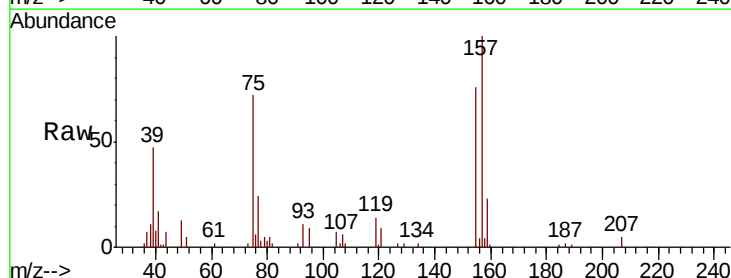
Tgt Ion: 75 Resp: 15015

Ion Ratio Lower Upper

75 100

155 103.2 50.0 150.1

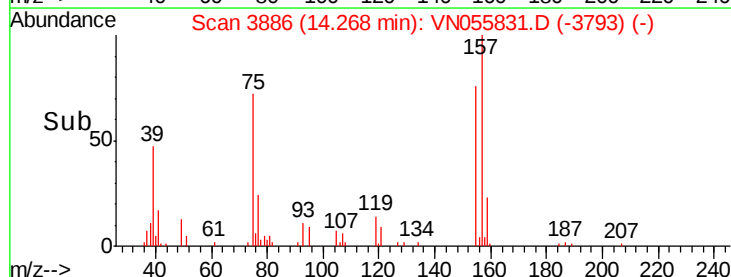
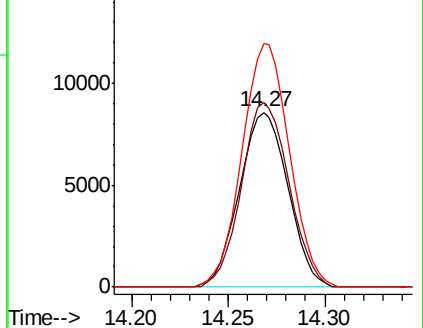
157 136.0 64.8 194.3

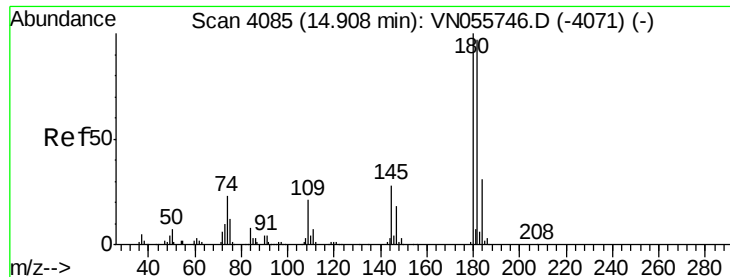


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

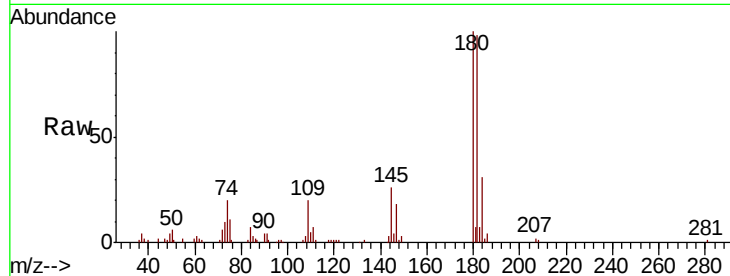




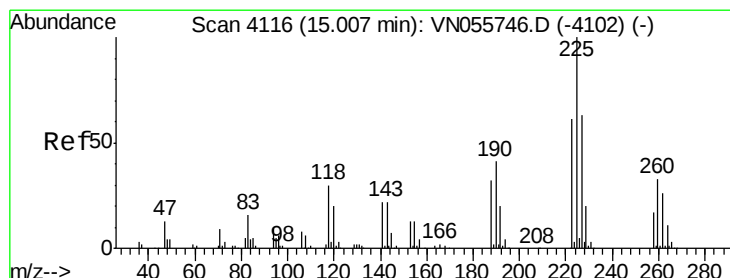
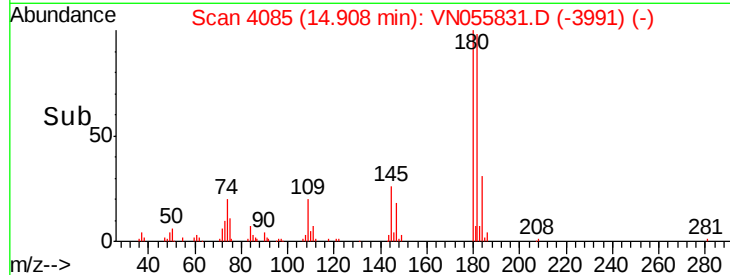
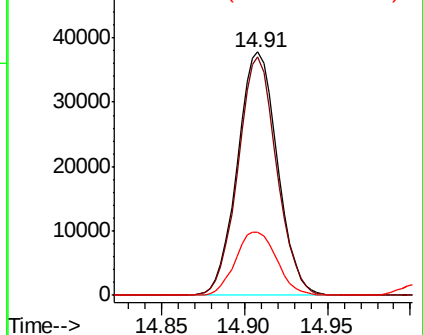
#93
 1,2,4-Trichlorobenzene
 Concen: 19.832 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD03

Tot Ion:180 Resp: 63408
 Ion Ratio Lower Upper
 180 100
 182 94.5 48.3 144.9
 145 26.8 14.0 41.9

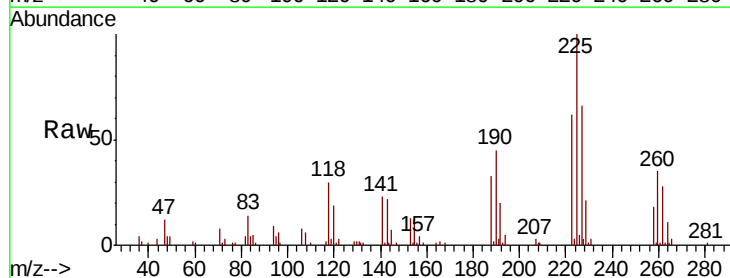


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

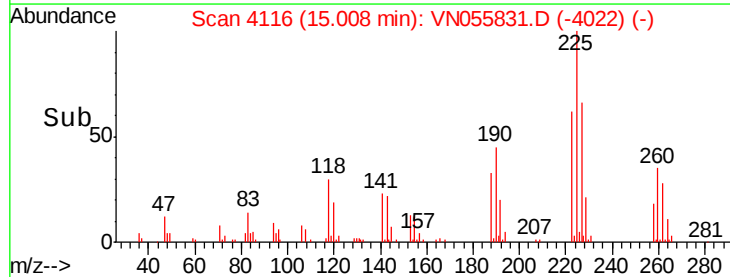
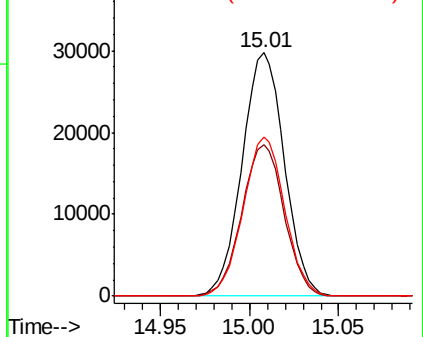


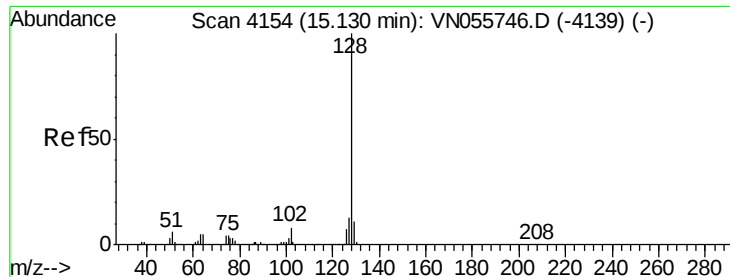
#94
 Hexachlorobutadiene
 Concen: 21.146 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055831.D
 Acq: 25 May 2019 6:44

Tgt Ion:225 Resp: 49301
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.7
 227 64.3 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

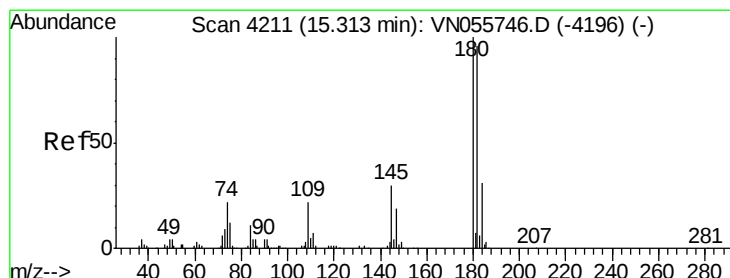
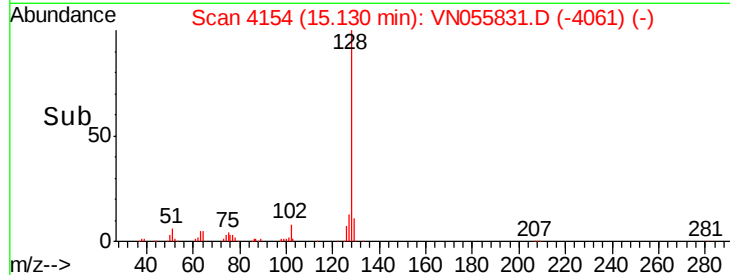
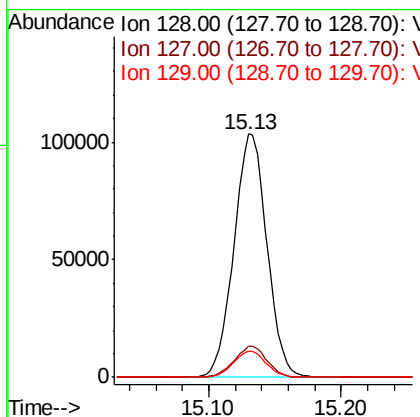
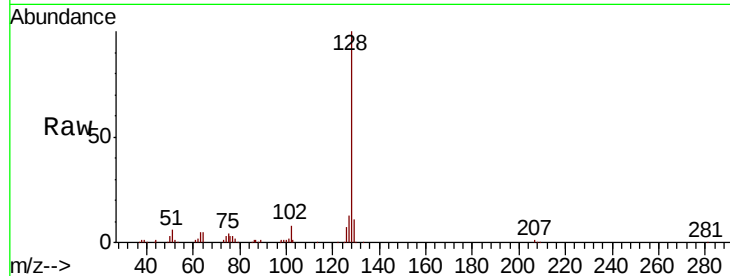




#95
Naphthalene
Concen: 20.652 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD03

Tot Ion:128 Resp: 178823
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.842 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055831.D
Acq: 25 May 2019 6:44

Tgt Ion:180 Resp: 69522
Ion Ratio Lower Upper
180 100
182 98.1 47.9 143.7
145 30.3 14.9 44.7

