

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055911.D
 Acq On : 31 May 2019 11:47
 Operator : JC/SP
 Sample : VN0531WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Quant Time: May 31 18:05:02 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	297959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	443844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	391677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	166995	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	7.59	113	145817	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.09	98	541309	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	179713	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	38021	18.960	ug/l	99
3) Chloromethane	2.06	50	54600	19.433	ug/l	99
4) Vinyl Chloride	2.18	62	58607	19.557	ug/l	100
5) Bromomethane	2.52	94	40914	21.823	ug/l	98
6) Chloroethane	2.68	64	37509	20.790	ug/l	100
7) Trichlorofluoromethane	3.00	101	80905	20.593	ug/l	96
8) Diethyl Ether	3.40	74	37254	21.156	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52026	21.214	ug/l	98
10) Methyl Iodide	3.94	142	71417	19.918	ug/l	99
11) Tert butyl alcohol	4.82	59	59880	101.849	ug/l	100
12) 1,1-Dichloroethene	3.72	96	51237	20.219	ug/l	96
13) Acrolein	3.60	56	28918	68.692	ug/l	97
14) Allyl chloride	4.31	41	85753	19.740	ug/l	99
15) Acrylonitrile	4.99	53	152851	113.220	ug/l	100
16) Acetone	3.82	43	154894	114.514	ug/l	98
17) Carbon Disulfide	4.04	76	112063	15.565	ug/l	98
18) Methyl Acetate	4.33	43	70656	25.064	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	180695	21.380	ug/l	98
20) Methylene Chloride	4.54	84	61828	21.107	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	53980	19.828	ug/l	98
22) Diisopropyl ether	5.96	45	183496	21.718	ug/l	98
23) Vinyl Acetate	5.90	43	763835	105.441	ug/l	100
24) 1,1-Dichloroethane	5.84	63	103119	20.962	ug/l	99
25) 2-Butanone	6.84	43	214785	113.701	ug/l	100
26) 2,2-Dichloropropane	6.82	77	82592	19.399	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	67440	21.233	ug/l	99
28) Bromochloromethane	7.19	49	52768	22.529	ug/l	98
29) Tetrahydrofuran	7.22	42	135942	113.638	ug/l	100
30) Chloroform	7.37	83	104345	21.269	ug/l	99
31) Cyclohexane	7.65	56	94498	20.460	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	88136	20.132	ug/l	99
36) 1,1-Dichloropropene	7.79	75	74120	19.163	ug/l	100
37) Ethyl Acetate	6.93	43	82695	22.121	ug/l	99
38) Carbon Tetrachloride	7.77	117	72644	18.030	ug/l	100

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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Quant Time: May 31 18:05:02 2019
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 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)
39) Methylcyclohexane	9.08	83	93332	19.486	ug/l	98
40) Benzene	8.04	78	242876	20.835	ug/l	99
41) Methacrylonitrile	7.17	41	34716	18.382	ug/l	91
42) 1,2-Dichloroethane	8.12	62	81392	21.368	ug/l	99
43) Isopropyl Acetate	8.17	43	128000	20.379	ug/l #	92
44) Trichloroethene	8.83	130	66849	20.570	ug/l	97
45) 1,2-Dichloropropane	9.12	63	64467	21.226	ug/l	96
46) Dibromomethane	9.21	93	42467	21.321	ug/l	98
47) Bromodichloromethane	9.40	83	78870	19.311	ug/l	97
48) Methyl methacrylate	9.20	41	62719	21.666	ug/l	98
49) 1,4-Dioxane	9.20	88	26174	435.101	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	406172	109.492	ug/l	100
52) Toluene	10.15	92	151311	20.638	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	81644	18.727	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	92872	19.229	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	63495	21.618	ug/l	99
56) Ethyl methacrylate	10.43	69	93401	20.577	ug/l	98
57) 1,3-Dichloropropane	10.71	76	102237	21.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	164276	94.700	ug/l	100
59) 2-Hexanone	10.75	43	285512	108.493	ug/l	99
60) Dibromochloromethane	10.90	129	61738	18.044	ug/l	98
61) 1,2-Dibromoethane	11.00	107	64096	21.039	ug/l	99
64) Tetrachloroethene	10.63	164	65242	19.749	ug/l	98
65) Chlorobenzene	11.43	112	159702	20.368	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	59663	19.078	ug/l	99
67) Ethyl Benzene	11.51	91	284990	20.268	ug/l	99
68) m/p-Xylenes	11.62	106	213697	40.201	ug/l	99
69) o-Xylene	11.95	106	108885	20.646	ug/l	98
70) Styrene	11.96	104	169848	19.887	ug/l	98
71) Bromoform	12.13	173	42729	16.019	ug/l #	96
73) Isopropylbenzene	12.25	105	283600	23.909	ug/l	100
74) N-amyl acetate	12.07	43	100788	22.361	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	86921	24.493	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	102890	37.109	ug/l #	100
77) Bromobenzene	12.53	156	72987	21.706	ug/l	99
78) n-propylbenzene	12.59	91	292921	21.388	ug/l	99
79) 2-Chlorotoluene	12.67	91	185937	23.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	231713	23.186	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21256	18.150	ug/l	88
82) 4-Chlorotoluene	12.77	91	172781	21.462	ug/l	99
83) tert-Butylbenzene	12.99	119	208688	24.016	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	225429	22.652	ug/l	98
85) sec-Butylbenzene	13.17	105	262957	23.540	ug/l	99
86) p-Isopropyltoluene	13.29	119	233376	21.326	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	111749	20.988	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	104521	20.648	ug/l	99
89) n-Butylbenzene	13.61	91	167091	19.928	ug/l	99
90) Hexachloroethane	13.87	117	37648	18.075	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	114283	21.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13190	18.891	ug/l	98

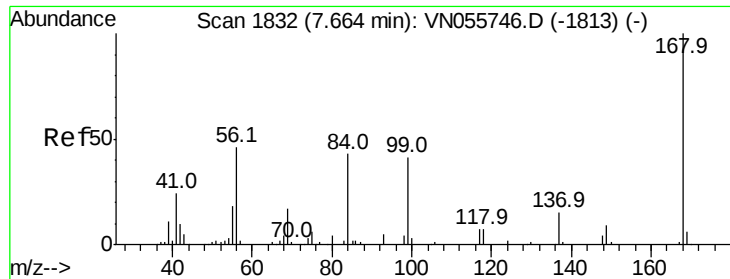
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46627	17.783	ug/l	99
94) Hexachlorobutadiene	15.01	225	40323	20.491	ug/l	99
95) Naphthalene	15.13	128	134388	18.436	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54631	19.455	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

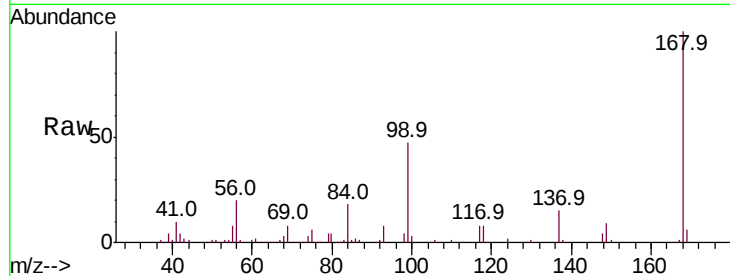
VN0531WBS01

Tot Ion:168 Resp: 297959

Ion Ratio Lower Upper

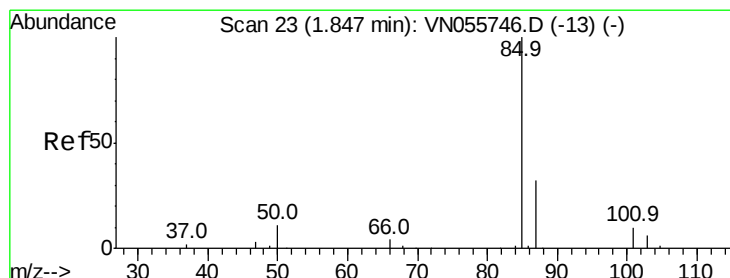
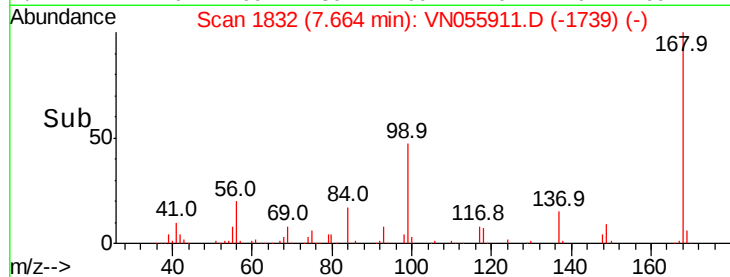
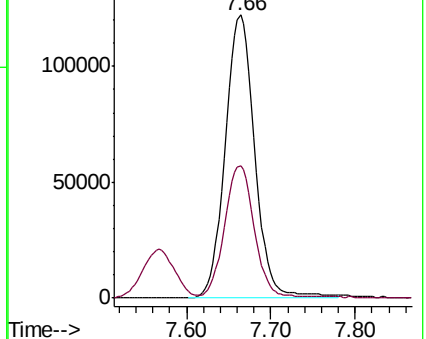
168 100

99 46.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.960 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055911.D

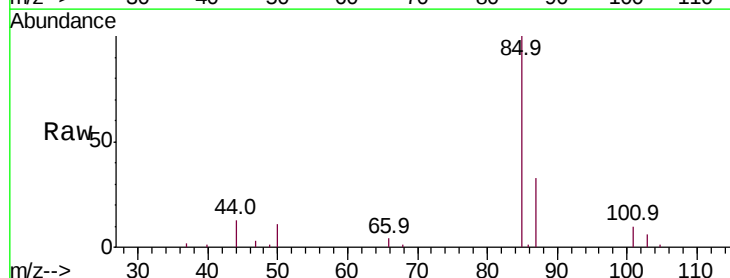
Acq: 31 May 2019 11:47

Tgt Ion: 85 Resp: 38021

Ion Ratio Lower Upper

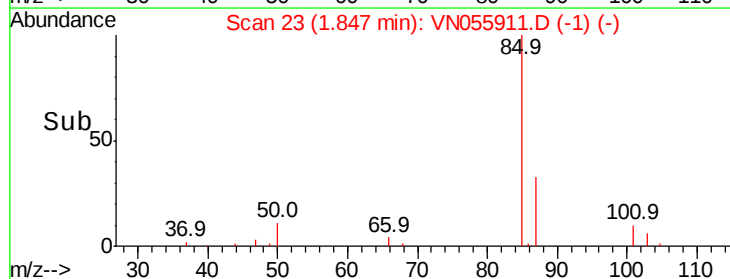
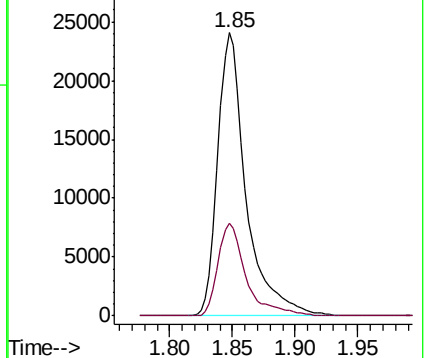
85 100

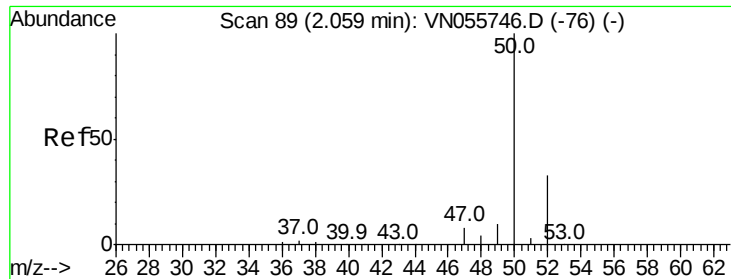
87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.433 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

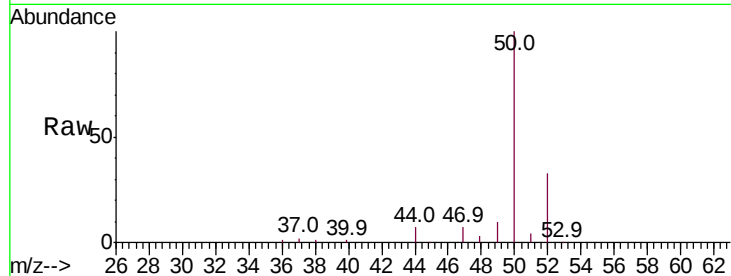
VN0531WBS01

Tot Ion: 50 Resp: 54600

Ion Ratio Lower Upper

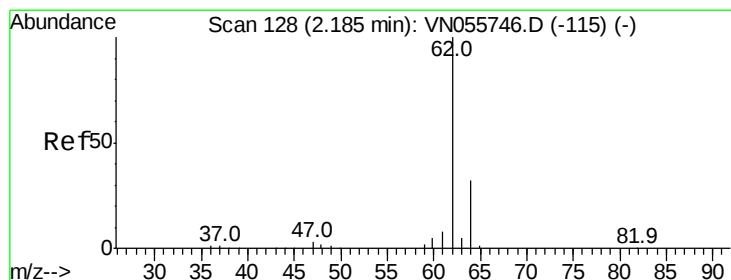
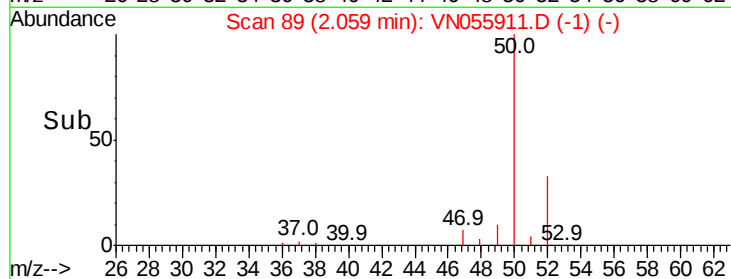
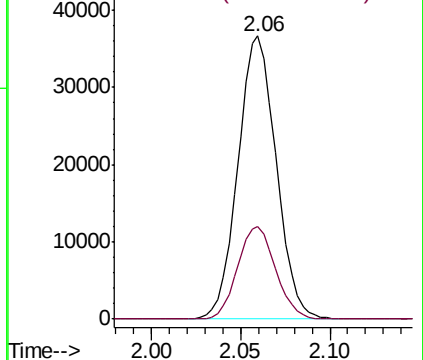
50 100

52 32.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.557 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055911.D

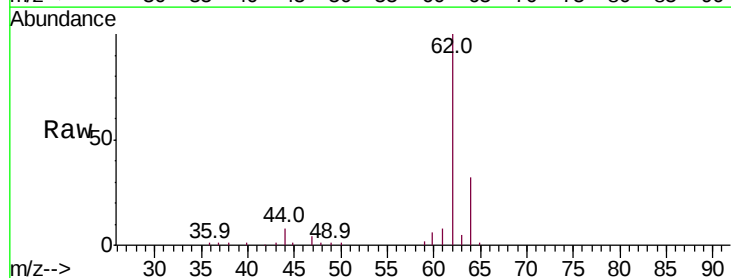
Acq: 31 May 2019 11:47

Tgt Ion: 62 Resp: 58607

Ion Ratio Lower Upper

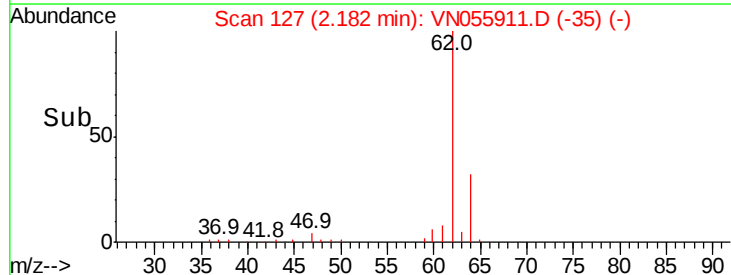
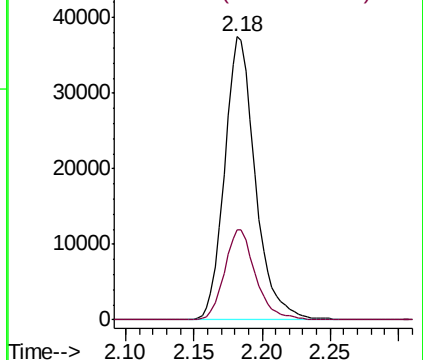
62 100

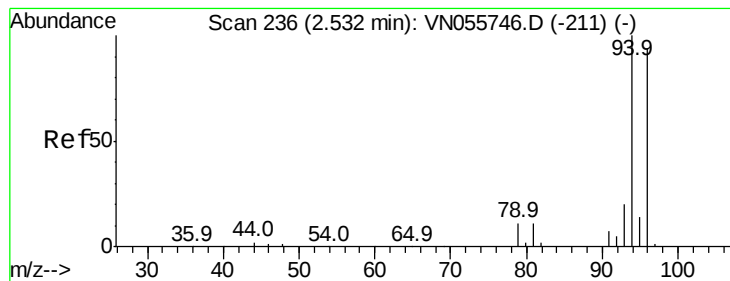
64 31.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 21.823 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

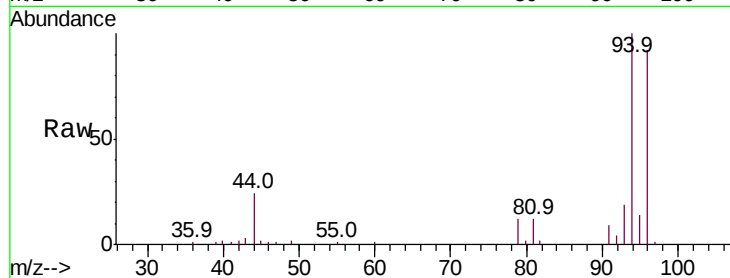
VN0531WBS01

Tot Ion: 94 Resp: 40914

Ion Ratio Lower Upper

94 100

96 92.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

25000

20000

15000

10000

5000

0

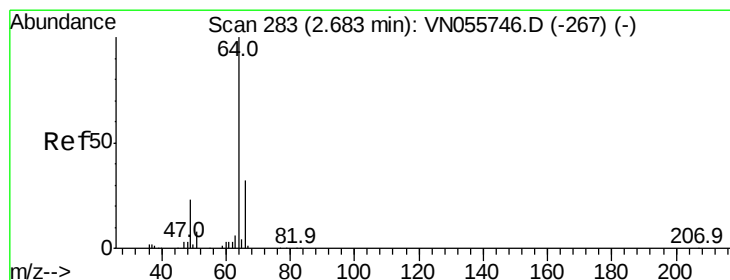
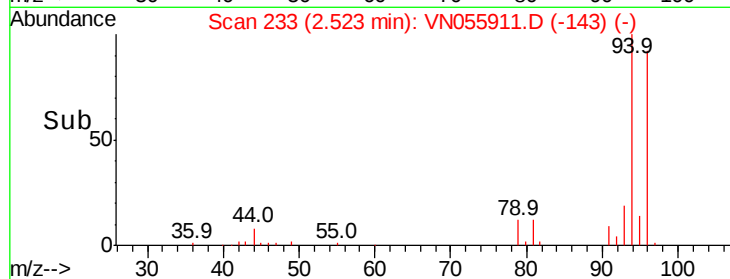
Time-->

2.45

2.50

2.55

2.60



#6

Chloroethane

Concen: 20.790 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN055911.D

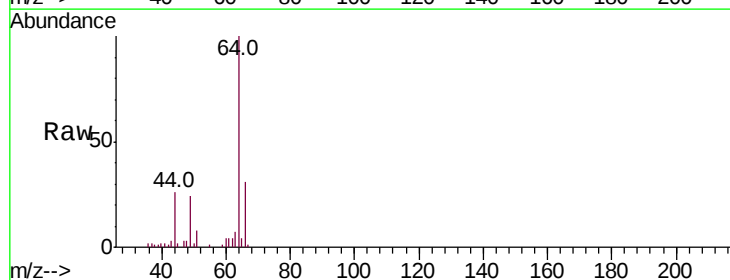
Acq: 31 May 2019 11:47

Tgt Ion: 64 Resp: 37509

Ion Ratio Lower Upper

64 100

66 31.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

20000

15000

10000

5000

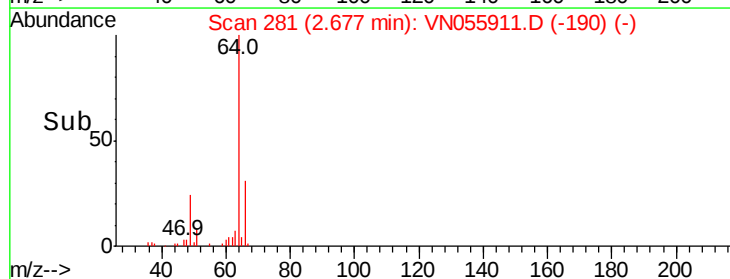
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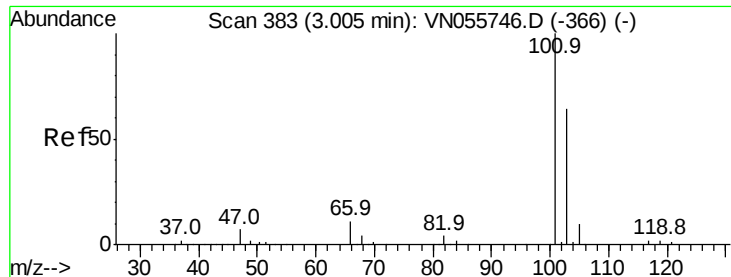
Time-->

2.60

2.70

2.80



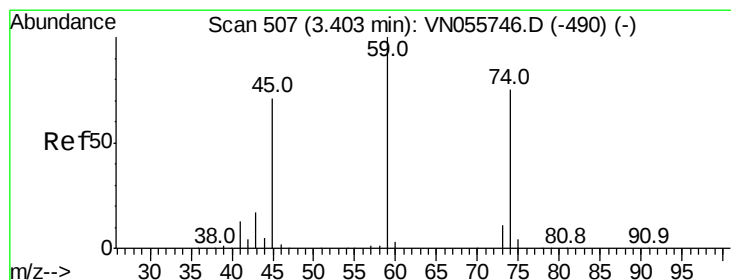
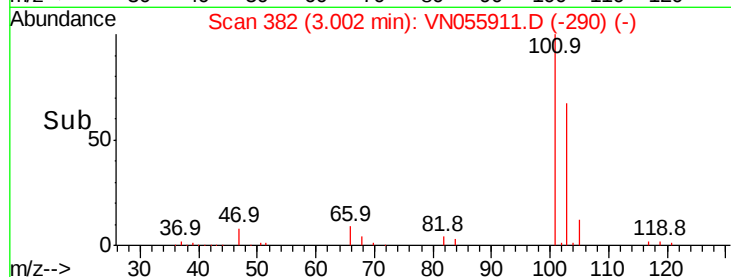
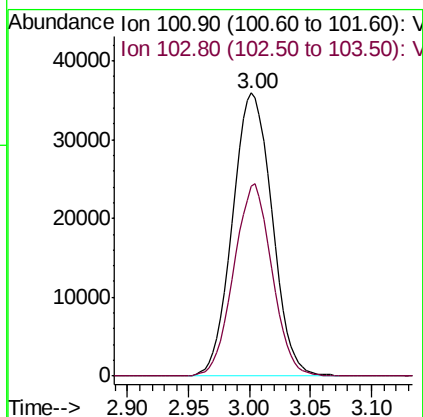
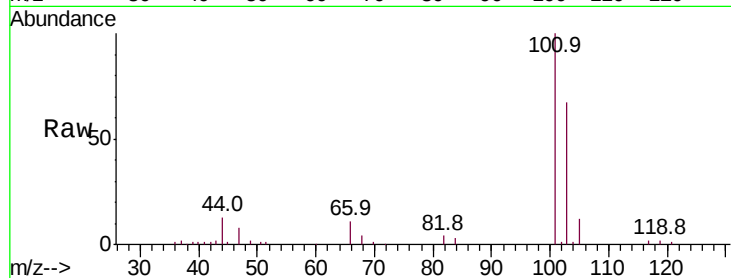


#7

Trichlorofluoromethane
 Concen: 20.593 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

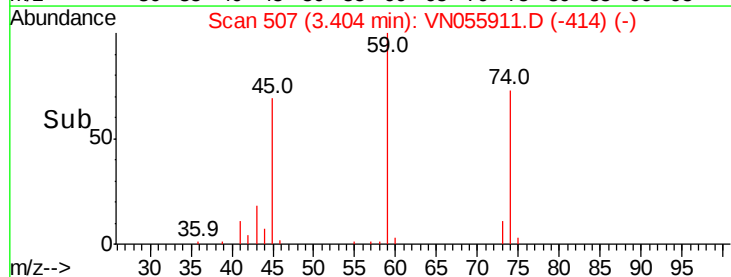
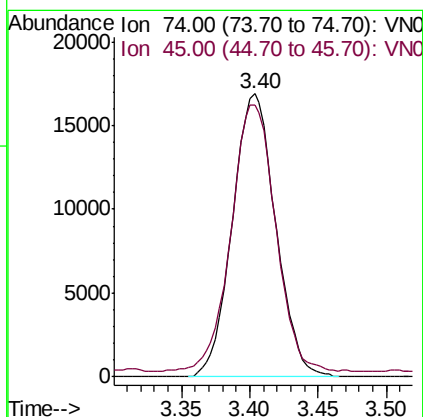
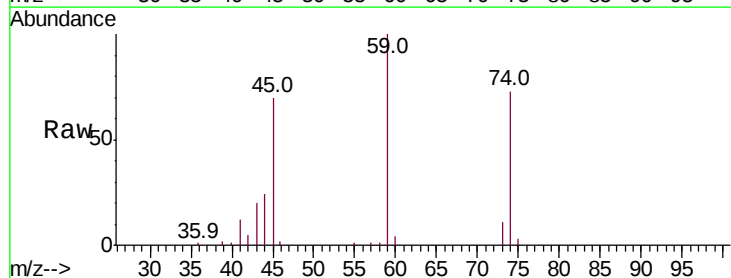
Tot Ion:101 Resp: 80905
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.2 76.8

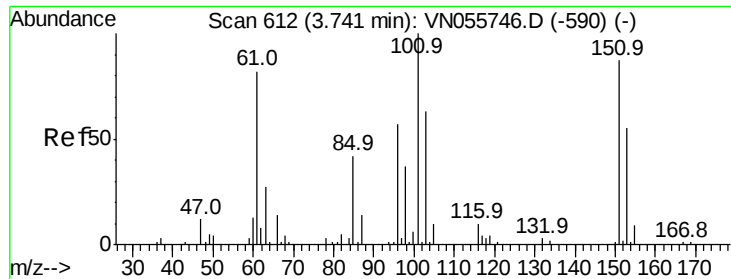


#8

Diethyl Ether
 Concen: 21.156 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion: 74 Resp: 37254
 Ion Ratio Lower Upper
 74 100
 45 95.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.214 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

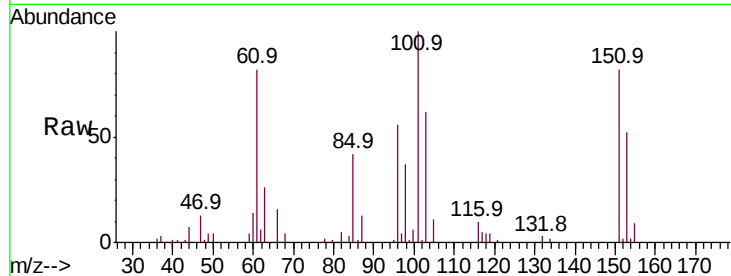
Tot Ion:101 Resp: 52026

Ion Ratio Lower Upper

101 100

85 42.2 33.4 50.2

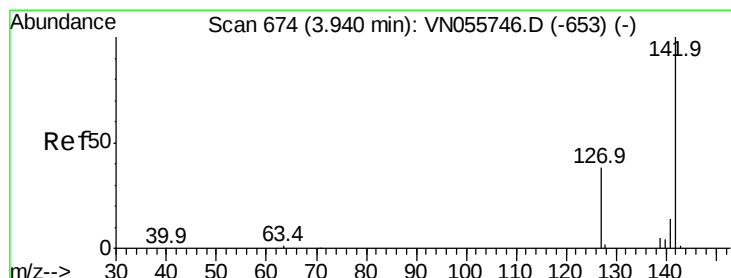
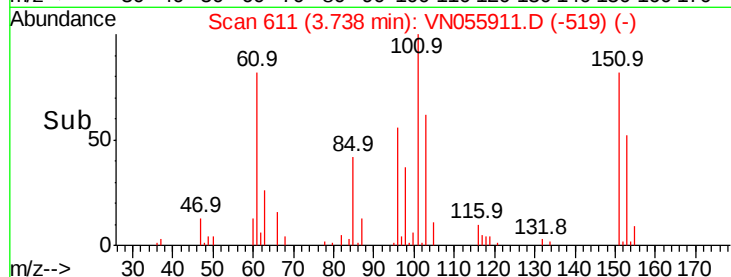
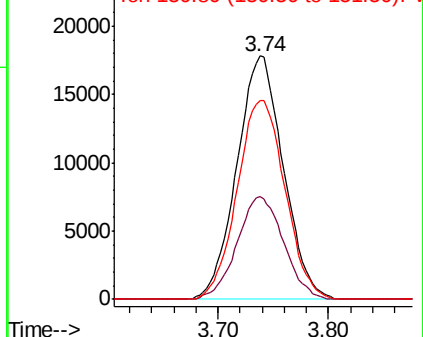
151 84.2 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.918 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

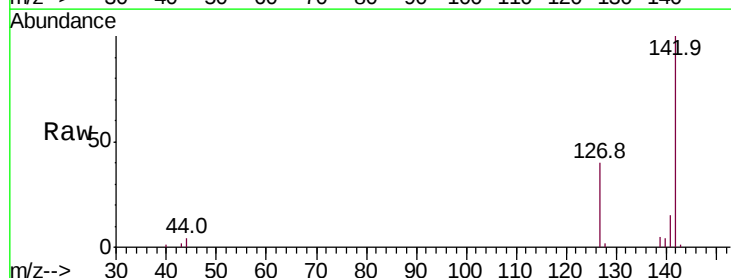
Tgt Ion:142 Resp: 71417

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

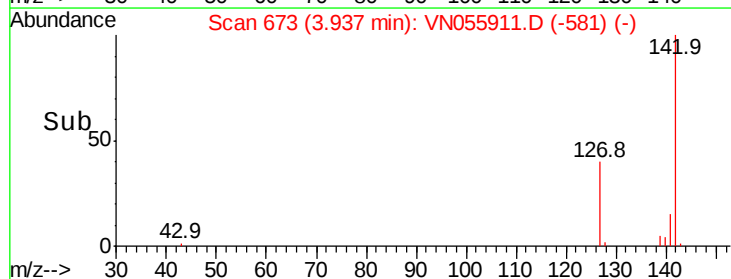
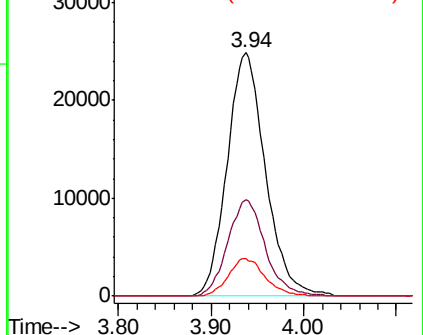
141 14.8 11.4 17.0

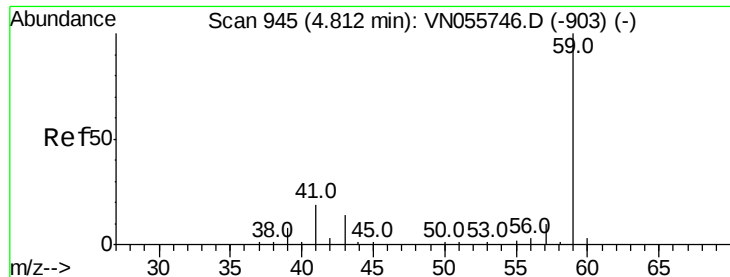


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

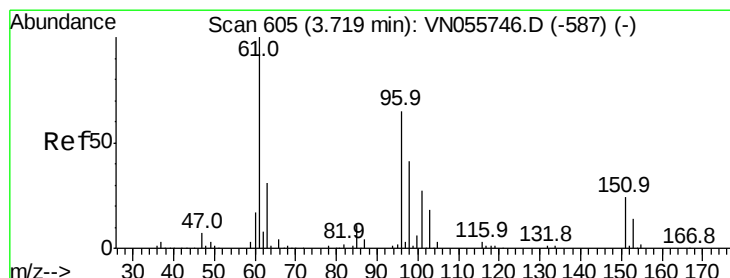
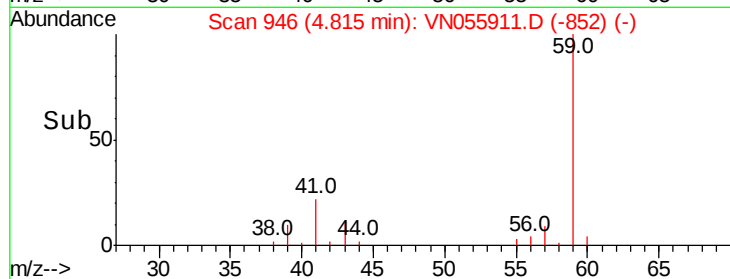
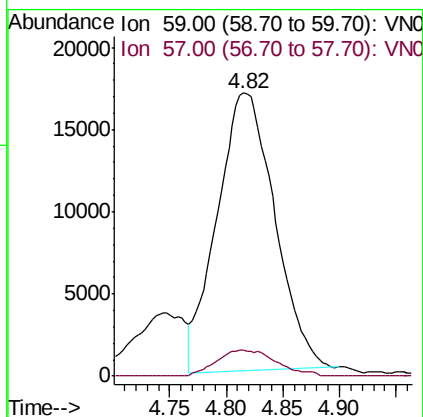
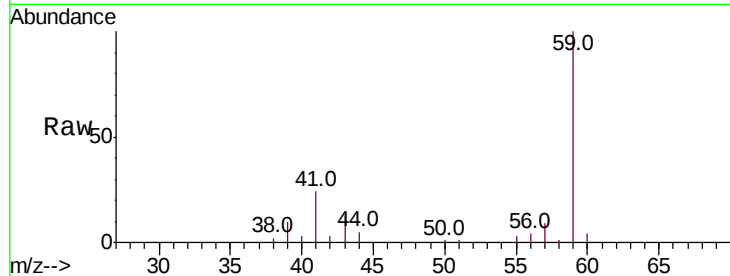




#11
Tert butyl alcohol
Concen: 101.849 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

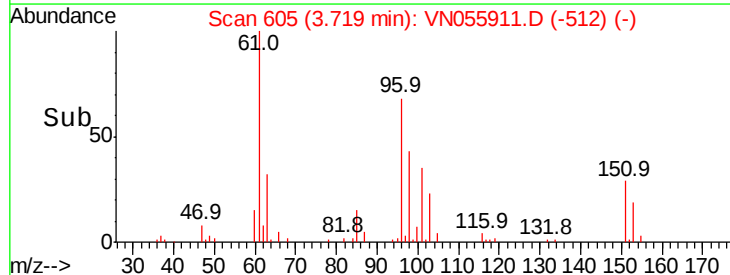
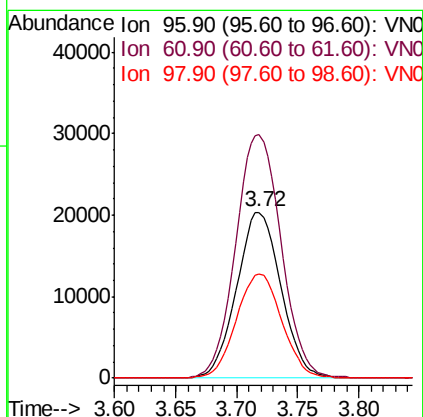
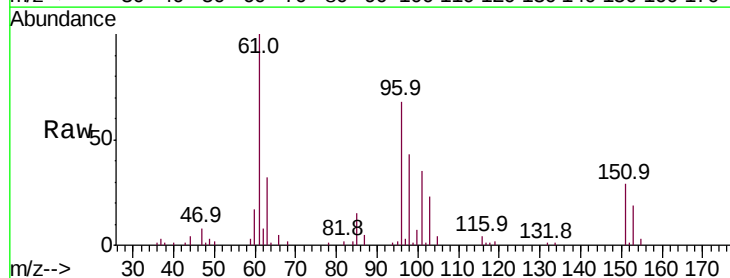
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

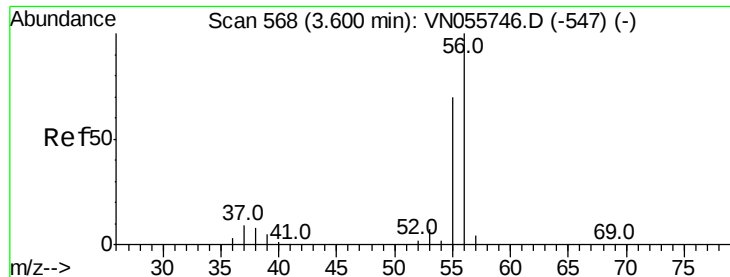
Tot Ion: 59 Resp: 59880
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6



#12
1,1-Dichloroethene
Concen: 20.219 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 96 Resp: 51237
Ion Ratio Lower Upper
96 100
61 146.7 123.2 184.8
98 63.1 50.4 75.6





#13

Acrolein

Concen: 68.692 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

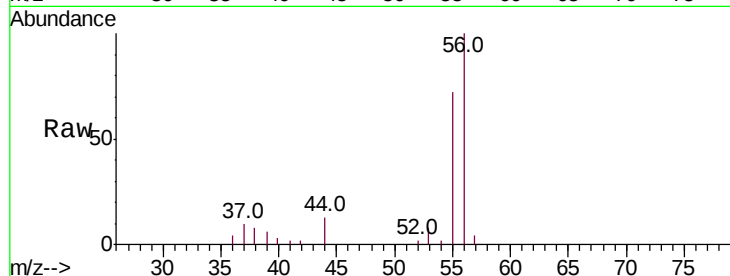
VN0531WBS01

Tot Ion: 56 Resp: 28918

Ion Ratio Lower Upper

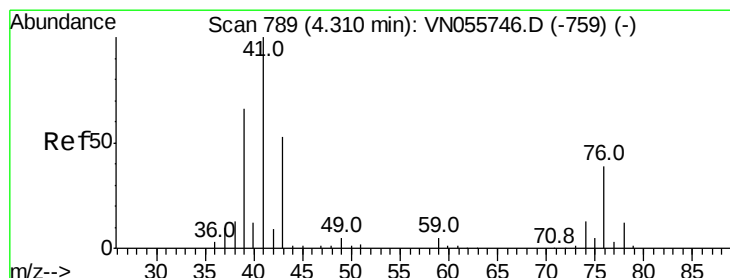
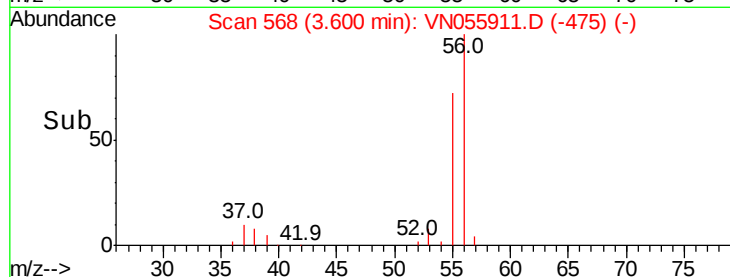
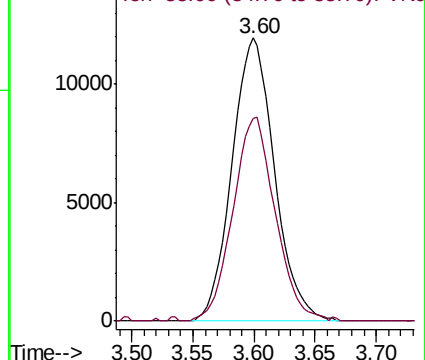
56 100

55 71.7 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: 19.740 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

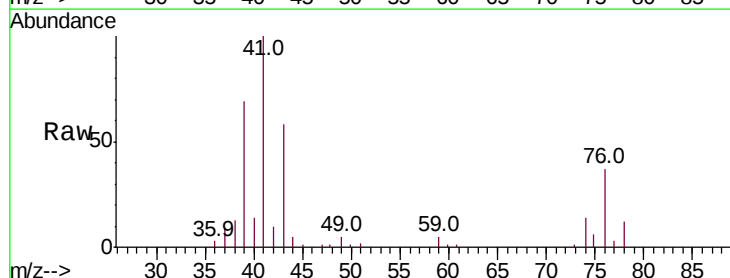
Tgt Ion: 41 Resp: 85753

Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

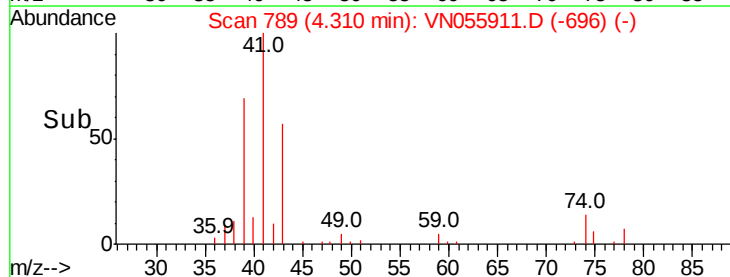
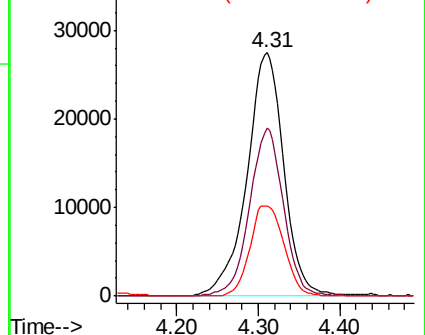
76 34.1 28.2 42.2

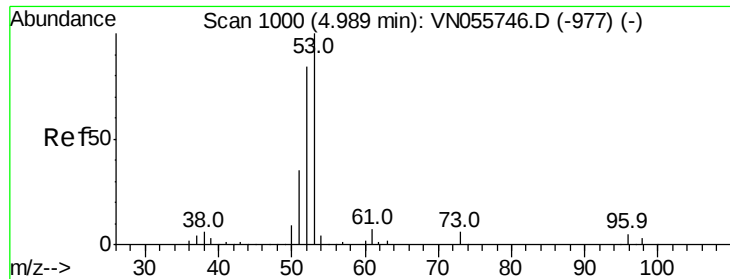


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

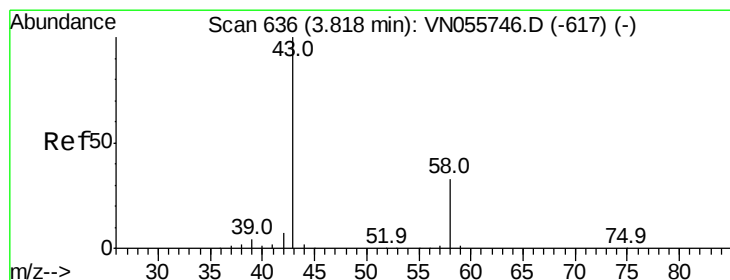
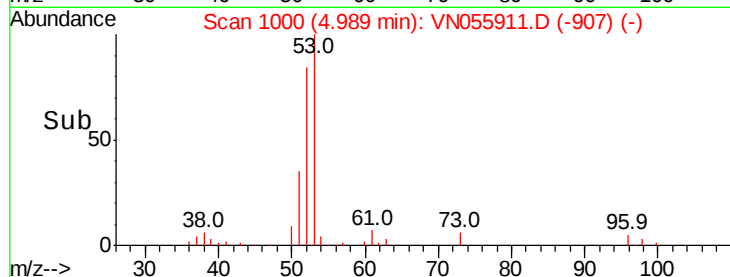
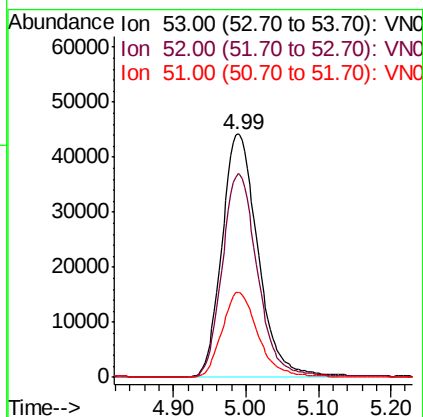
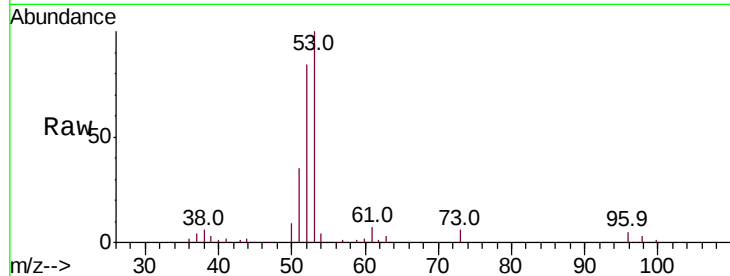




#15
 Acrylonitrile
 Concen: 113.220 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

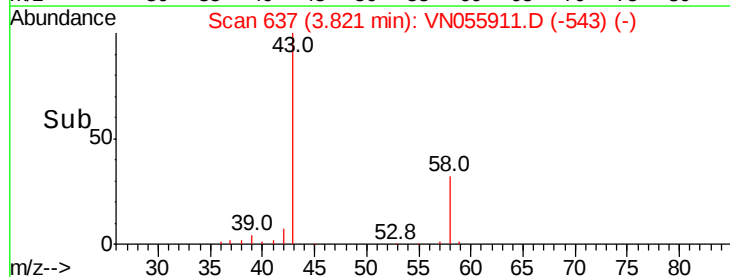
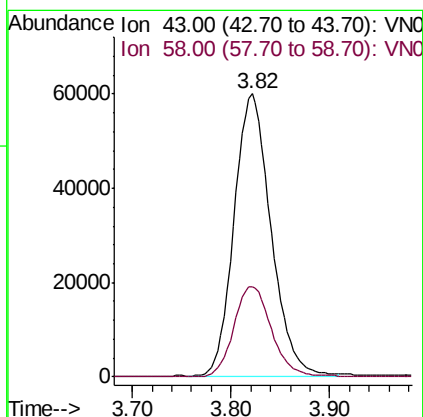
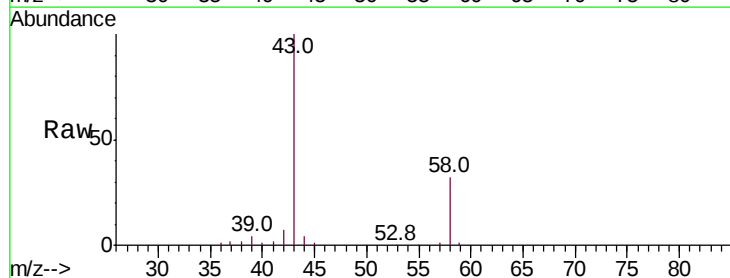
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

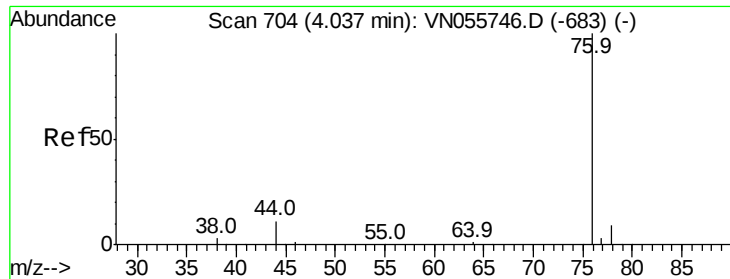
Tot Ion: 53 Resp: 152851
 Ion Ratio Lower Upper
 53 100
 52 82.0 65.8 98.8
 51 35.1 28.2 42.4



#16
 Acetone
 Concen: 114.514 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion: 43 Resp: 154894
 Ion Ratio Lower Upper
 43 100
 58 32.0 26.6 39.8

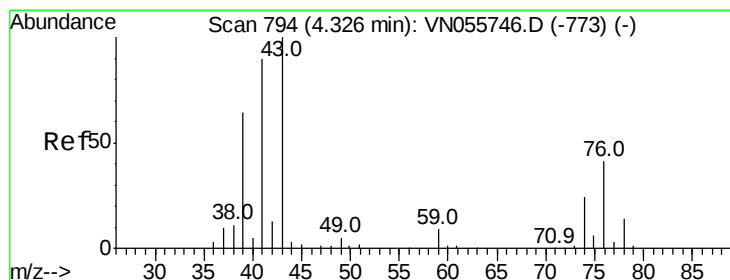
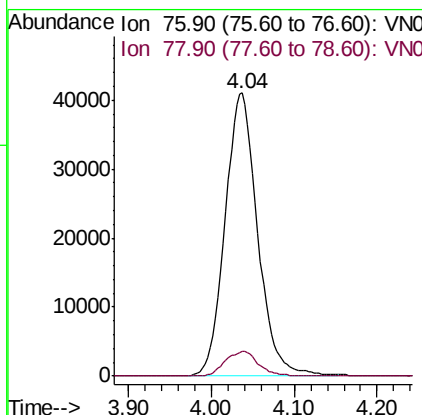
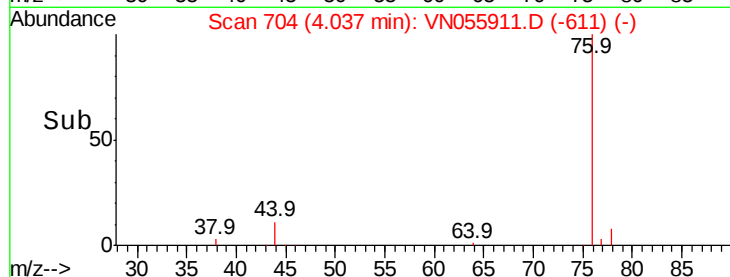
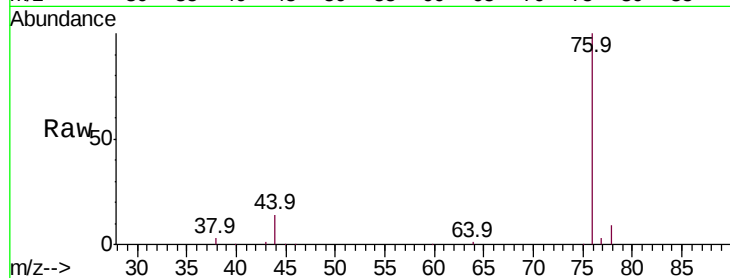




#17
Carbon Disulfide
Concen: 15.565 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

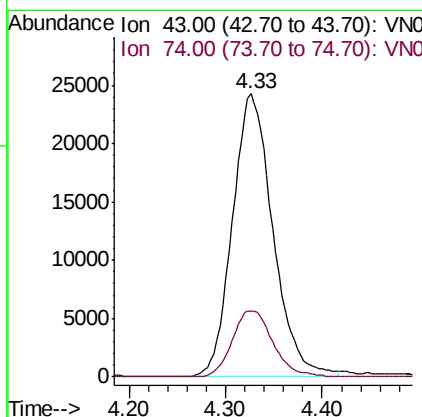
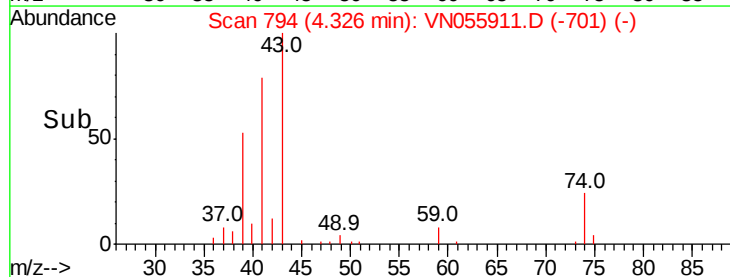
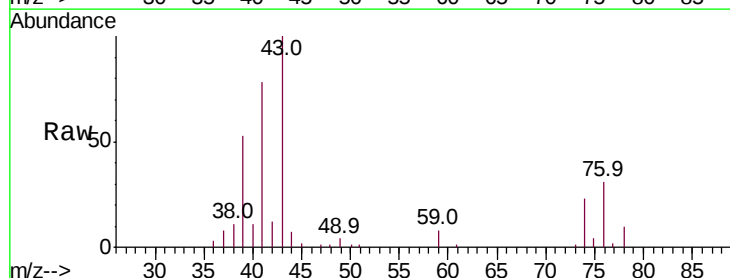
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

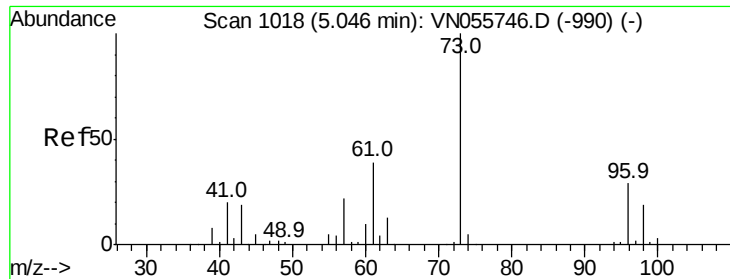
Tot Ion: 76 Resp: 112063
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 25.064 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 43 Resp: 70656
Ion Ratio Lower Upper
43 100
74 23.6 19.3 28.9

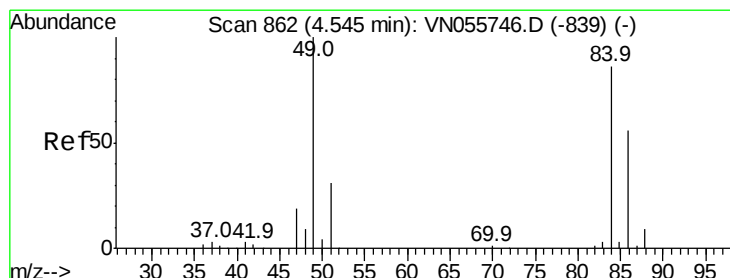
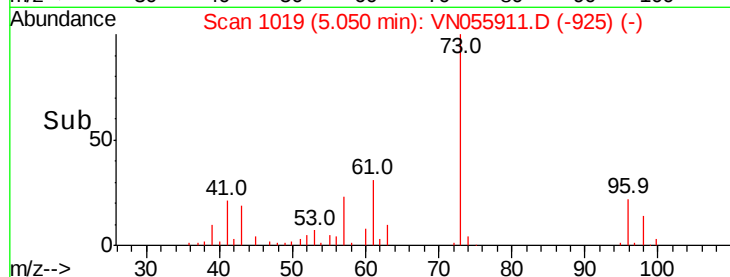
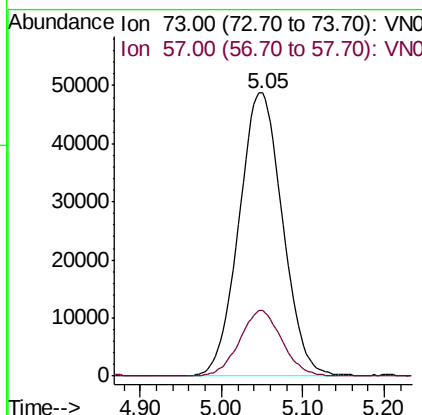
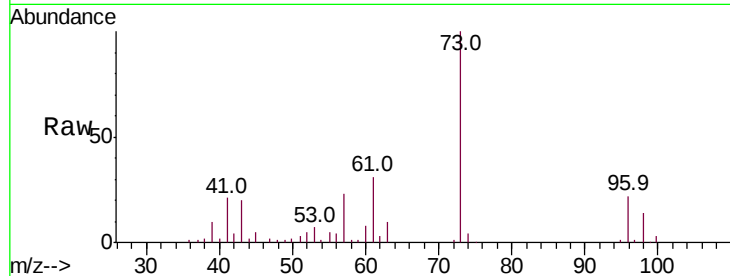




#19
Methvl tert-butvl Ether
Concen: 21.380 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

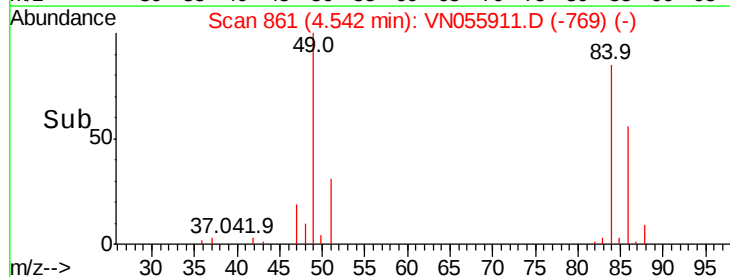
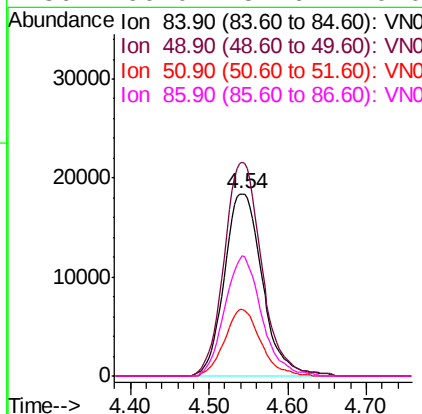
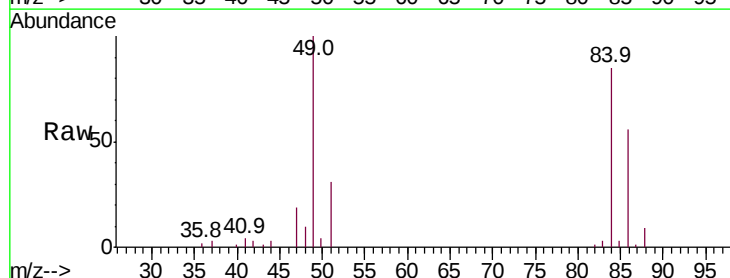
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

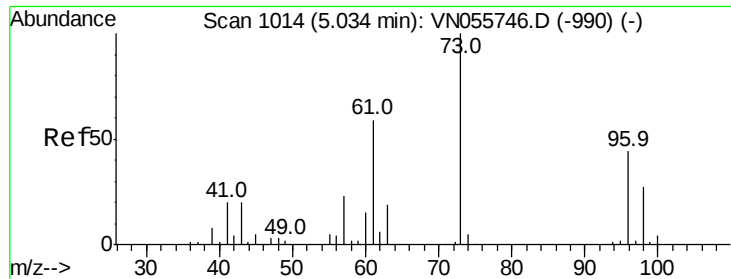
Tot Ion: 73 Resp: 180695
Ion Ratio Lower Upper
73 100
57 23.2 17.8 26.8



#20
Methylene Chloride
Concen: 21.107 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 84 Resp: 61828
Ion Ratio Lower Upper
84 100
49 117.1 93.5 140.3
51 36.6 28.6 43.0
86 66.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.828 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

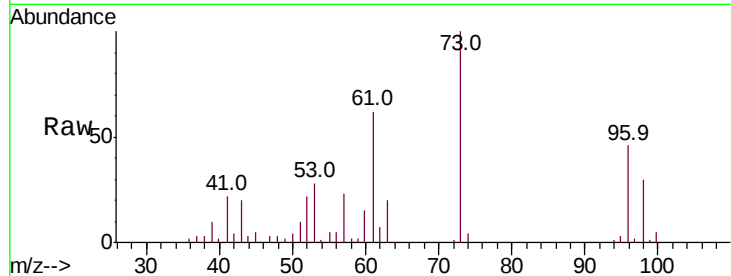
Tot Ion: 96 Resp: 53980

Ion Ratio Lower Upper

96 100

61 134.4 107.8 161.8

98 65.7 49.8 74.8

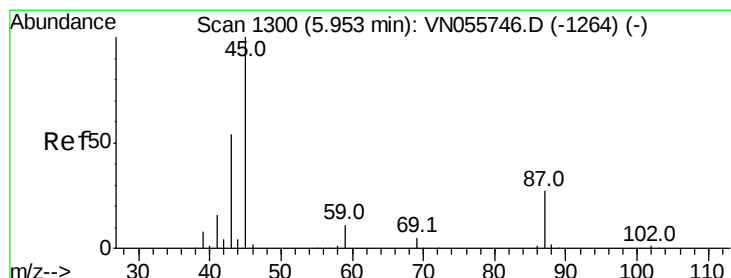
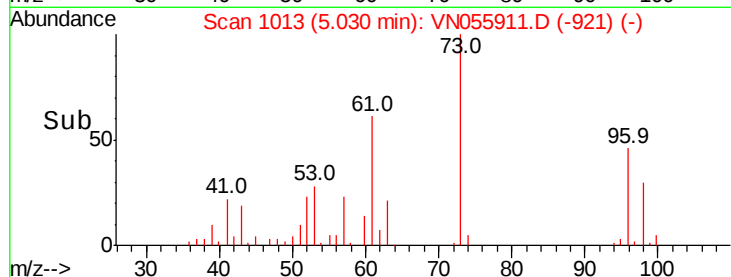
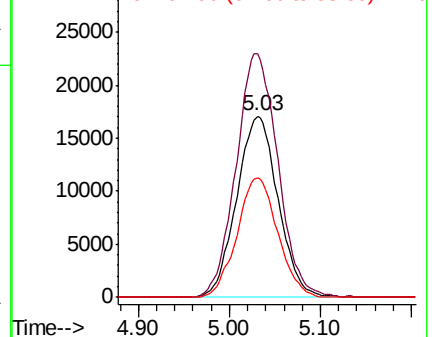


Abundance

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



#22

Diisopropyl ether

Concen: 21.718 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion: 45 Resp: 183496

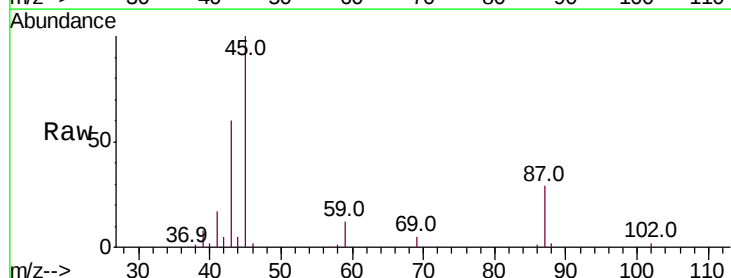
Ion Ratio Lower Upper

45 100

43 58.2 45.0 67.6

87 28.2 22.2 33.4

59 11.8 9.1 13.7



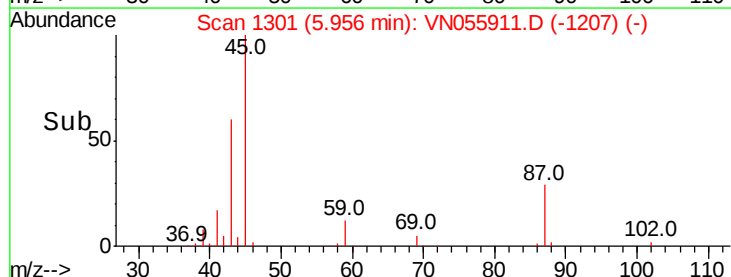
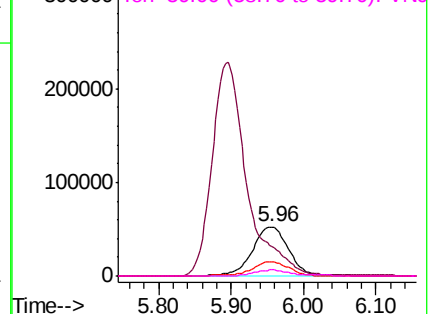
Abundance

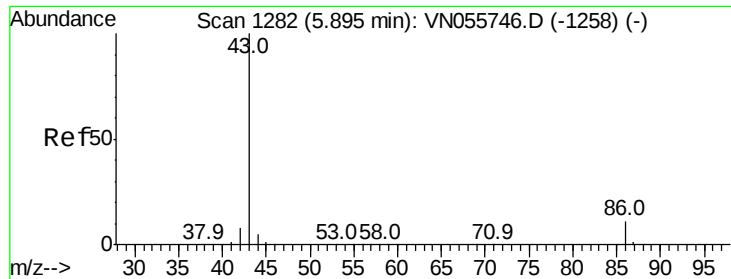
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.441 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

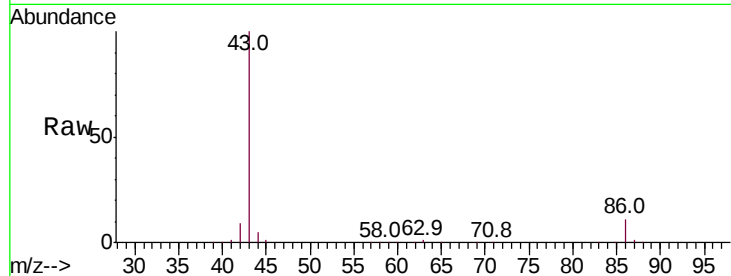
VN0531WBS01

Tot Ion: 43 Resp: 763835

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055911.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN055911.D (-1189) (-)

5.90

250000

200000

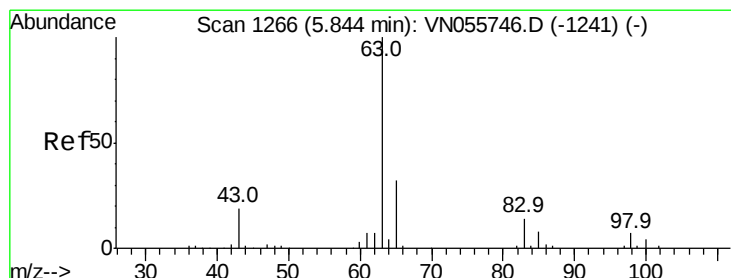
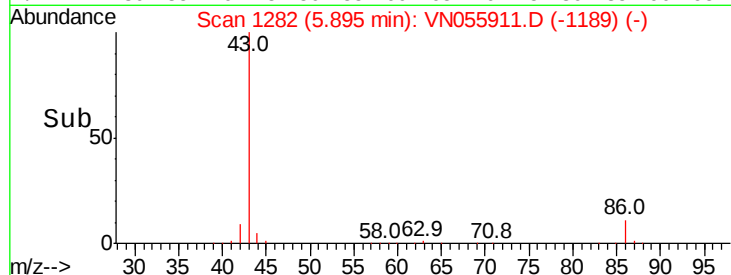
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.962 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

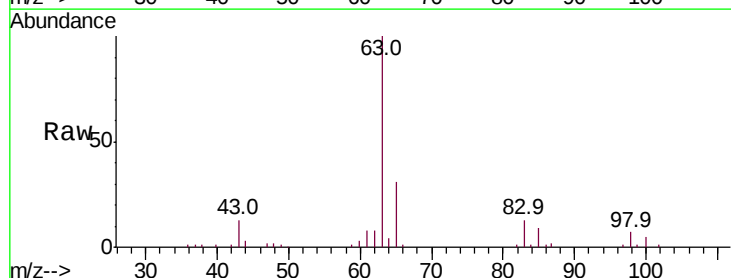
Tgt Ion: 63 Resp: 103119

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 5.0 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055911.D (-1173) (-)

Ion 97.90 (97.60 to 98.60): VN055911.D (-1173) (-)

Ion 99.90 (99.60 to 100.60): VN055911.D (-1173) (-)

5.84

40000

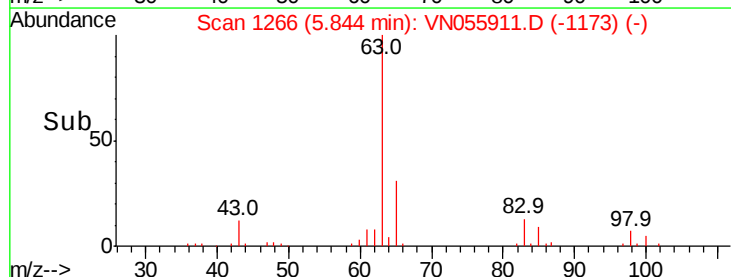
30000

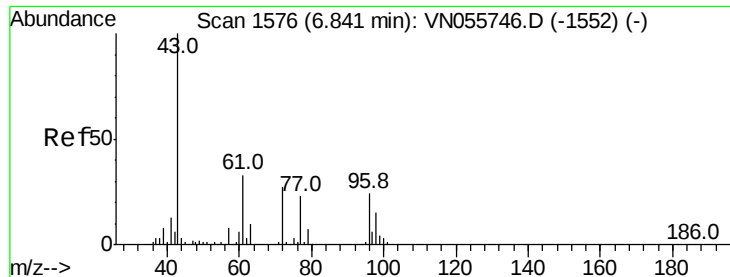
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 113.701 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

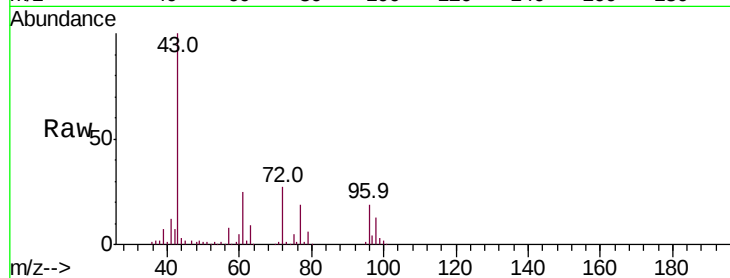
VN0531WBS01

Tot Ion: 43 Resp: 214785

Ion Ratio Lower Upper

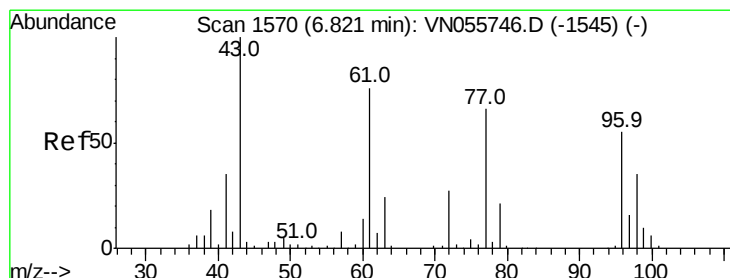
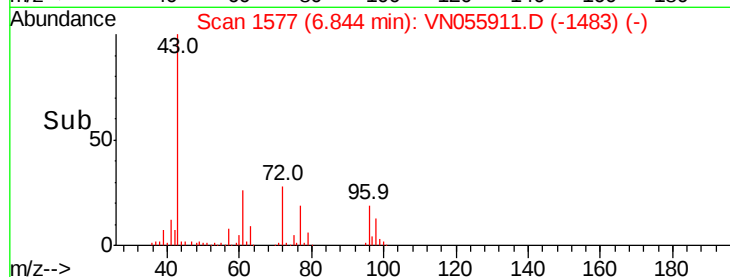
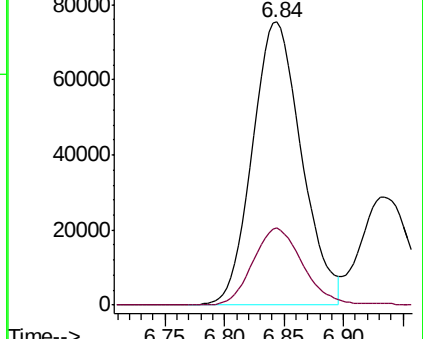
43 100

72 27.6 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.399 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055911.D

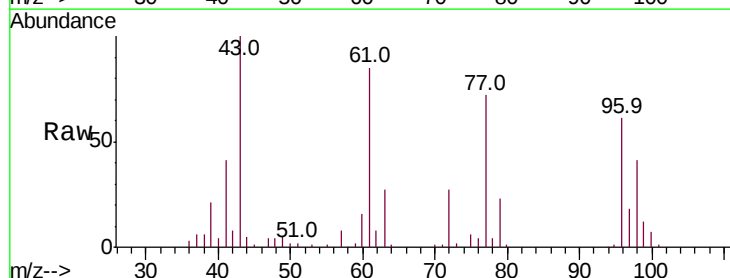
Acq: 31 May 2019 11:47

Tgt Ion: 77 Resp: 82592

Ion Ratio Lower Upper

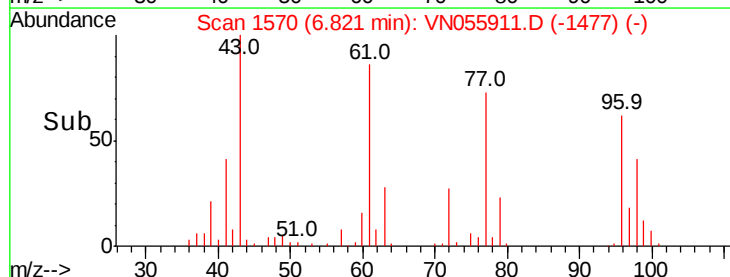
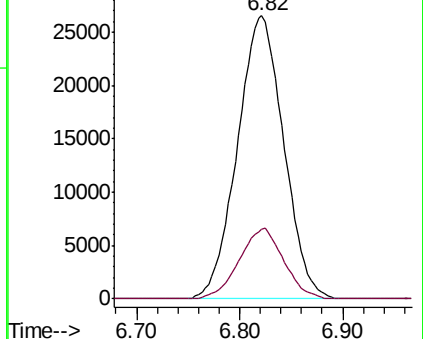
77 100

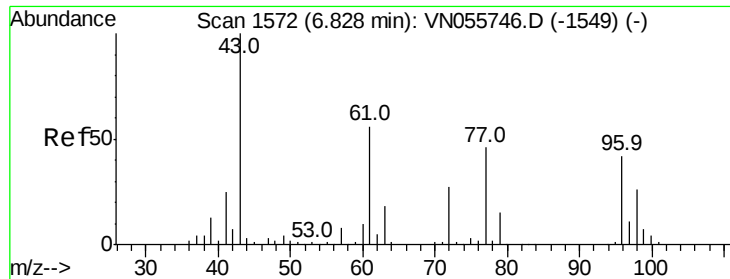
97 23.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.233 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

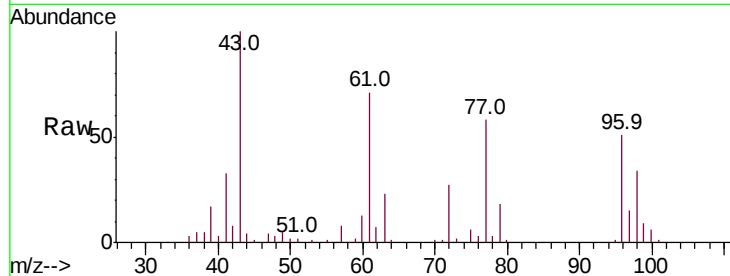
Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion: 96 Resp: 67440

Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	275.8
98	64.9	0.0	128.4

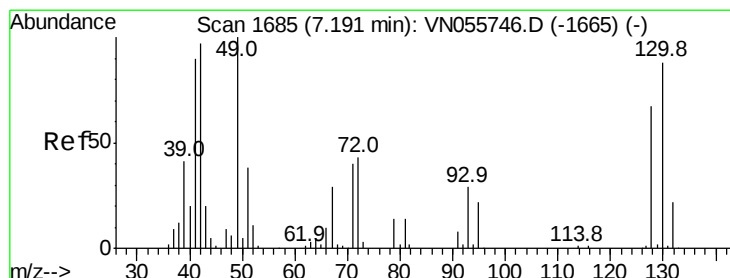
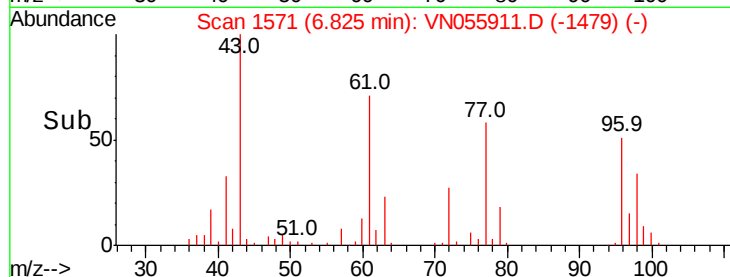
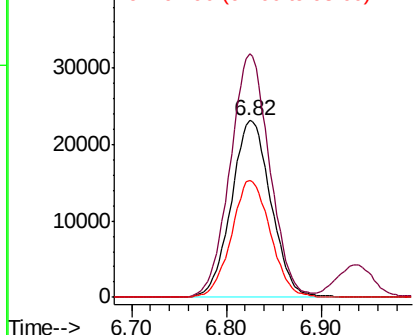


Abundance

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: 22.529 ug/l

RT: 7.19 min Scan# 1686

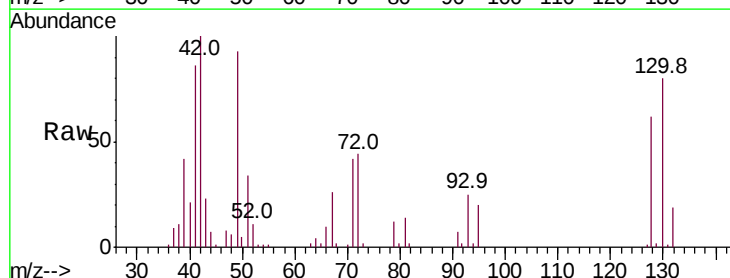
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion: 49 Resp: 52768

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	86.9	71.2	106.8

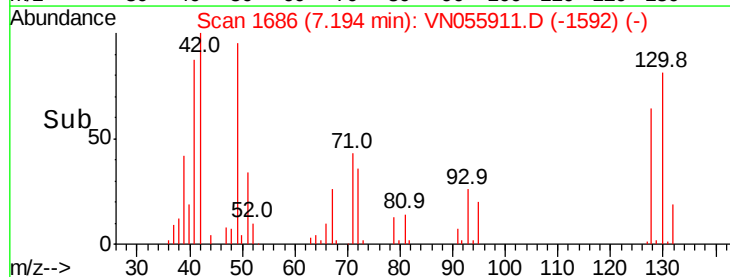
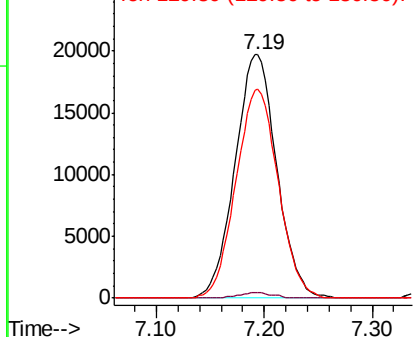


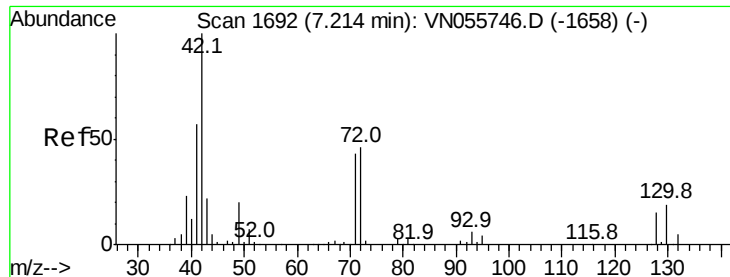
Abundance

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: 113.638 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

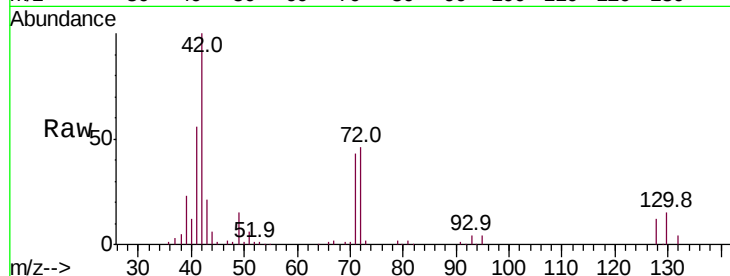
Tot Ion: 42 Resp: 135942

Ion Ratio Lower Upper

42 100

72 44.9 35.9 53.9

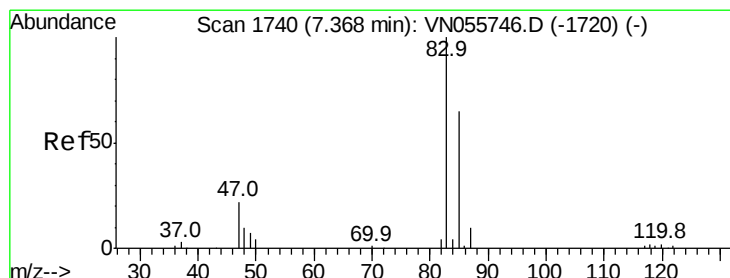
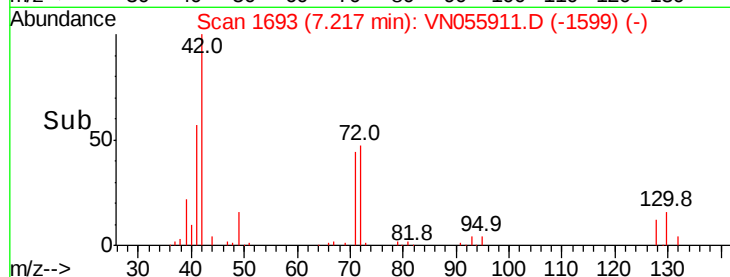
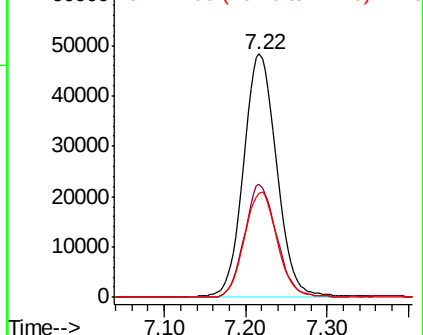
71 42.4 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.269 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VN055911.D

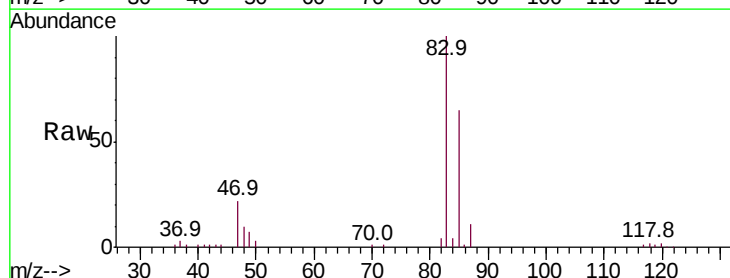
Acq: 31 May 2019 11:47

Tgt Ion: 83 Resp: 104345

Ion Ratio Lower Upper

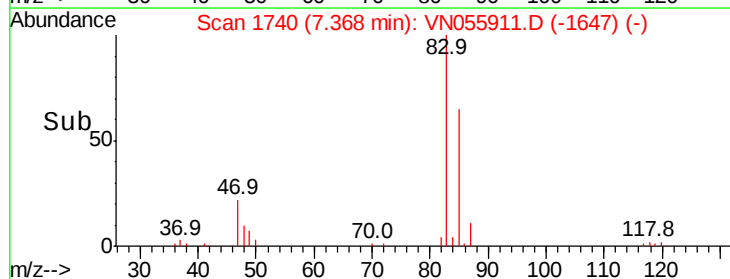
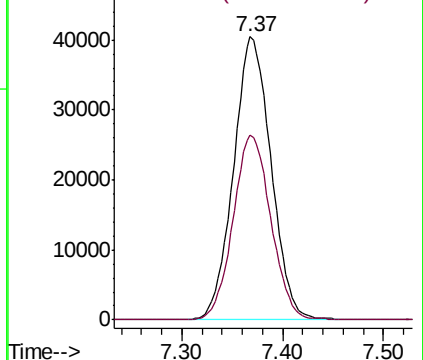
83 100

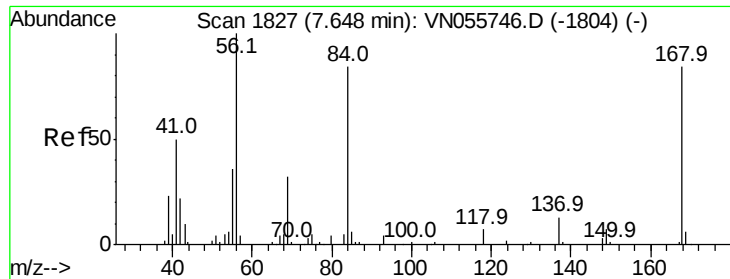
85 65.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

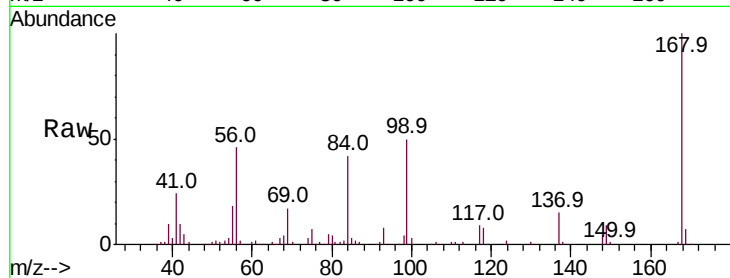




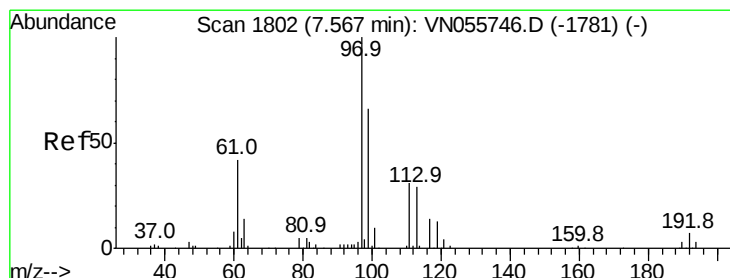
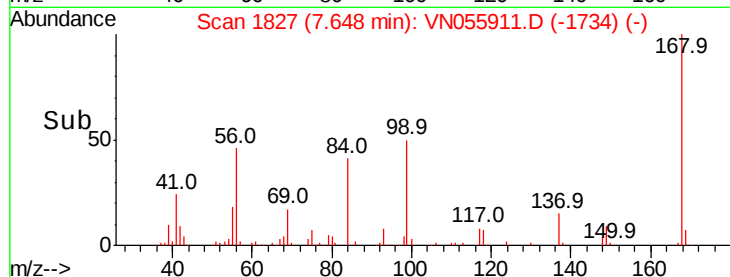
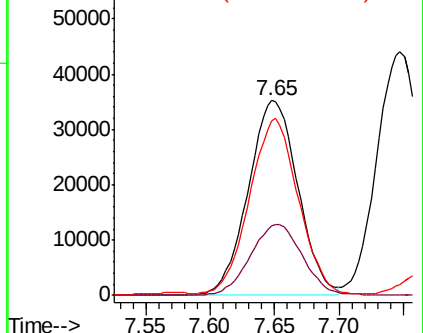
#31
Cyclohexane
Concen: 20.460 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion: 56 Resp: 94498
Ion Ratio Lower Upper
56 100
69 36.0 25.6 38.4
84 88.6 67.4 101.0

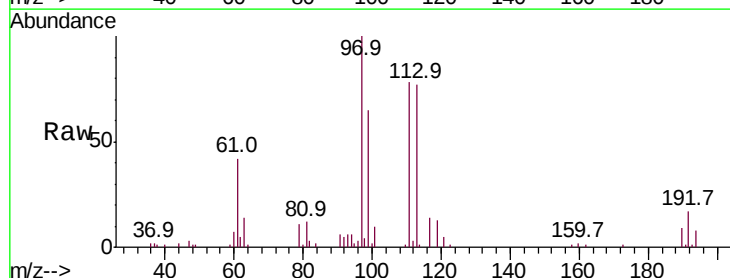


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

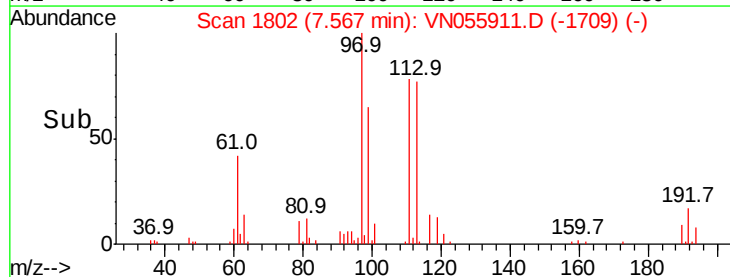
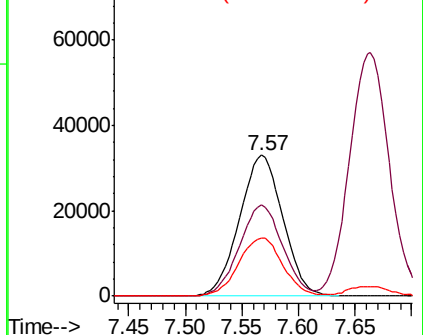


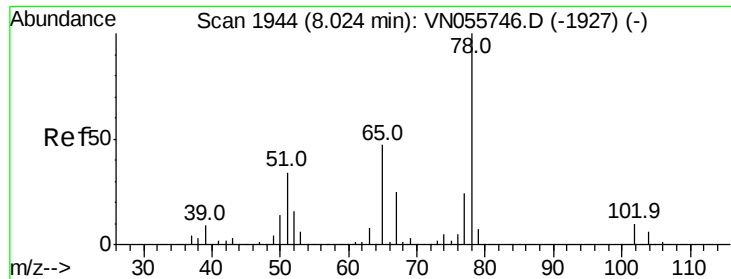
#32
1,1,1-Trichloroethane
Concen: 20.132 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 97 Resp: 88136
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 41.8 32.9 49.3



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

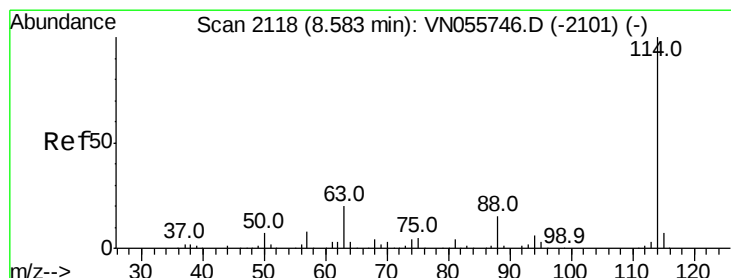
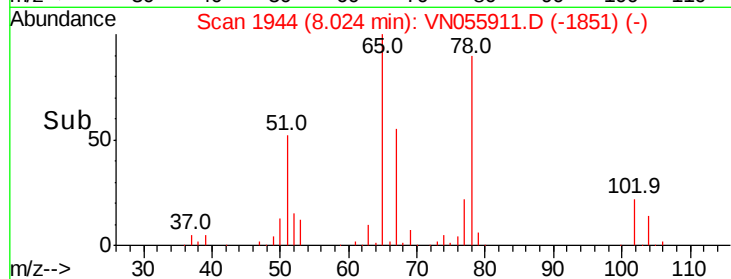
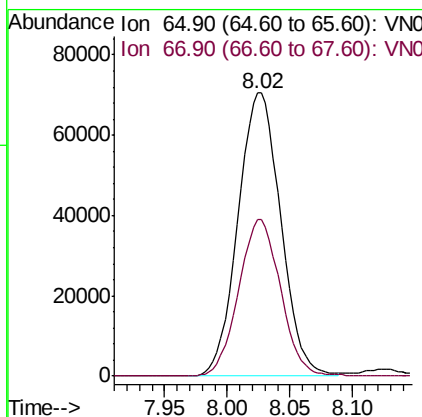
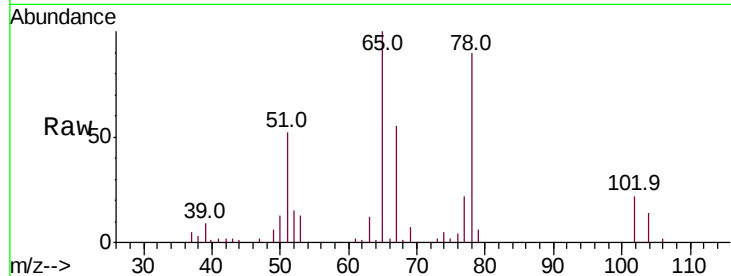




#33
 1,2-Dichloroethane-d4
 Concen: 54.271 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

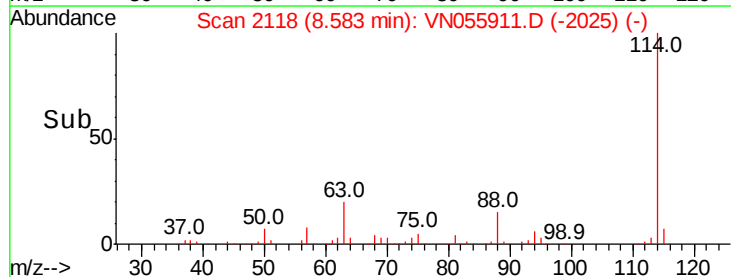
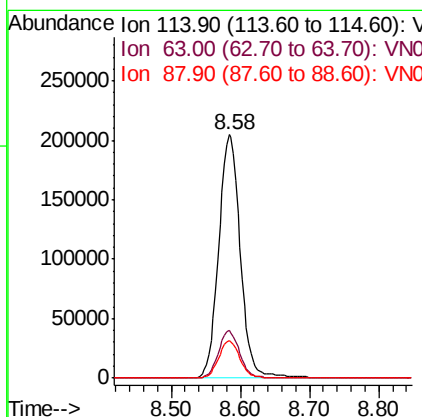
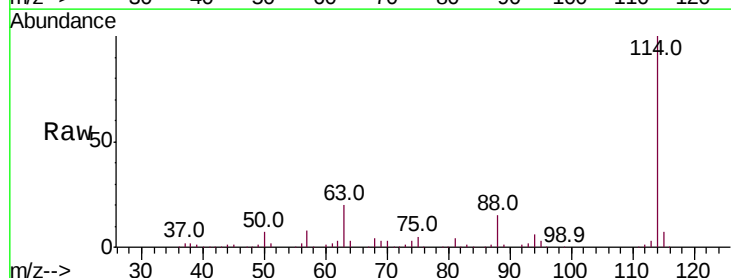
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Tot Ion: 65 Resp: 166995
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion: 114 Resp: 443844
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.964 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

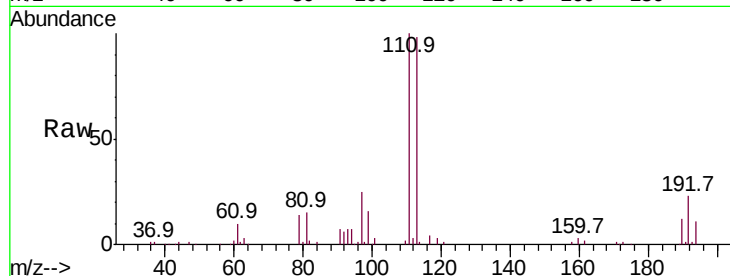
Tot Ion:113 Resp: 145817

Ion Ratio Lower Upper

113 100

111 101.3 81.9 122.9

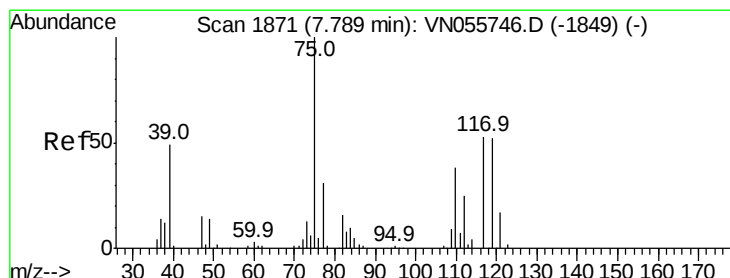
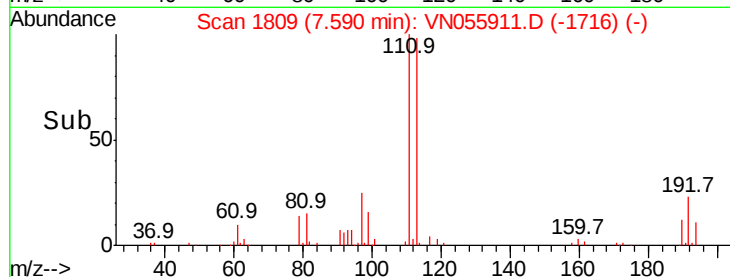
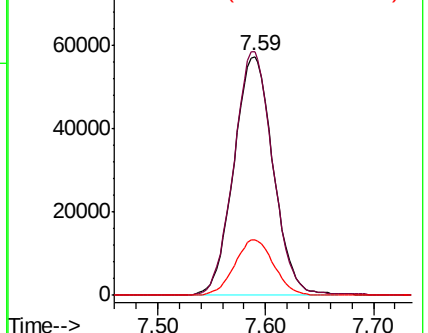
192 23.2 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.163 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

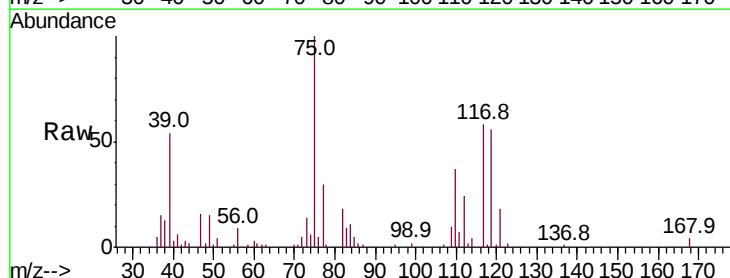
Tgt Ion: 75 Resp: 74120

Ion Ratio Lower Upper

75 100

110 38.1 19.0 57.0

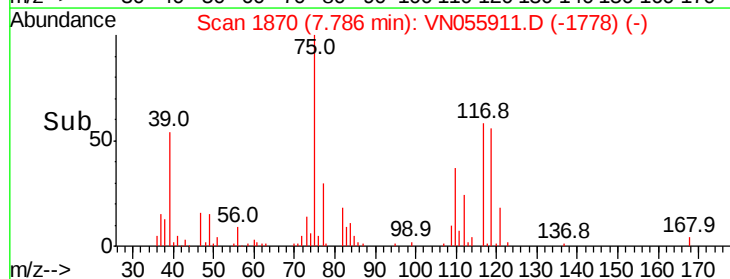
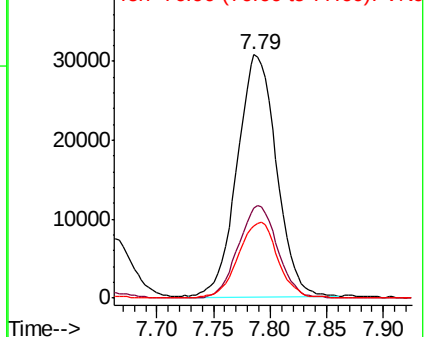
77 31.6 25.1 37.7

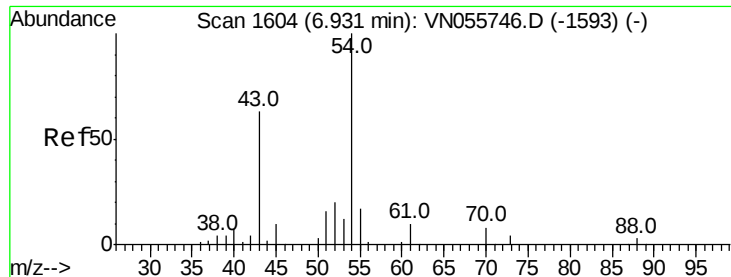


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

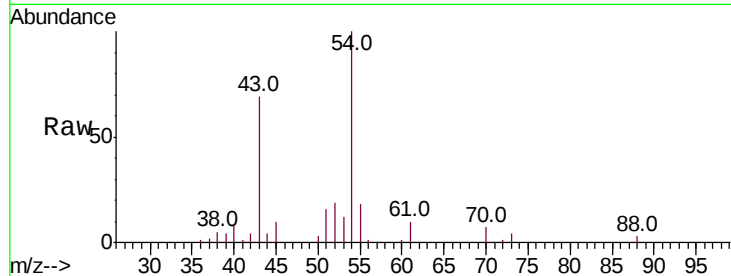




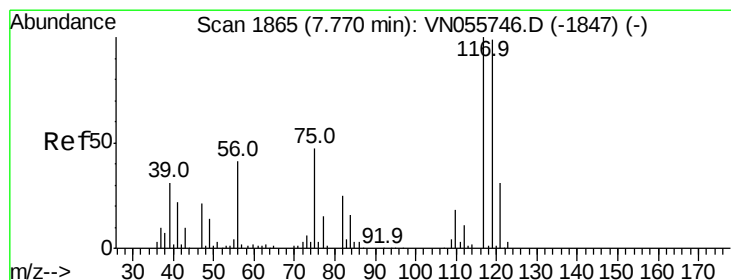
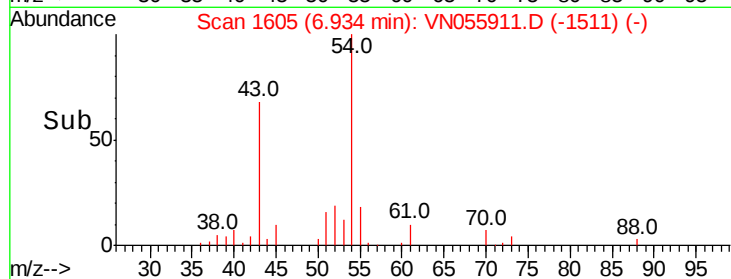
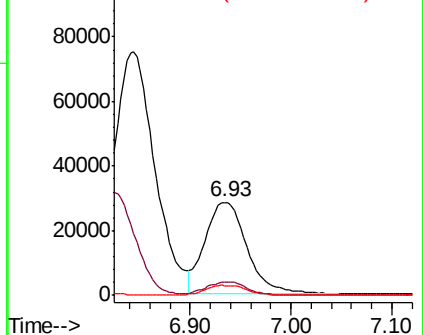
#37
Ethyl Acetate
Concen: 22.121 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleID :
VN0531WBS01

Tot Ion: 43 Resp: 82695
Ion Ratio Lower Upper
43 100
61 14.6 12.2 18.2
70 10.6 8.9 13.3

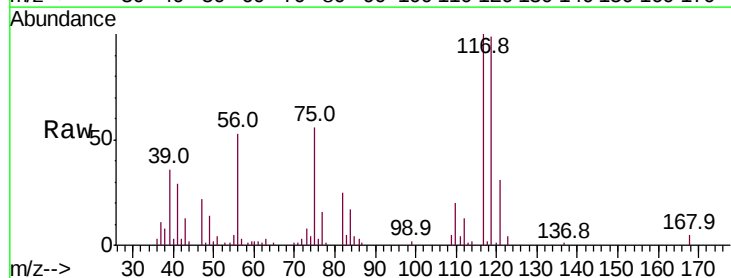


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

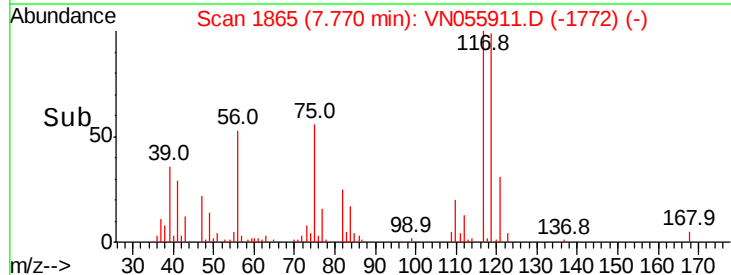
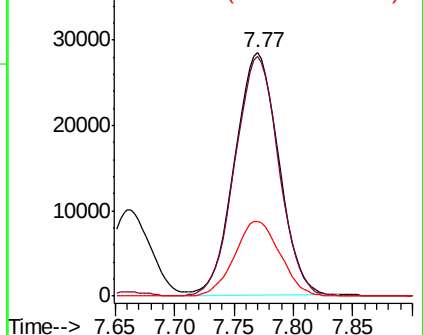


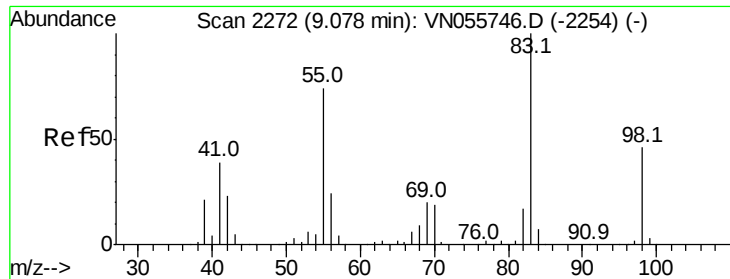
#38
Carbon Tetrachloride
Concen: 18.030 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 117 Resp: 72644
Ion Ratio Lower Upper
117 100
119 99.2 79.0 118.6
121 31.0 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

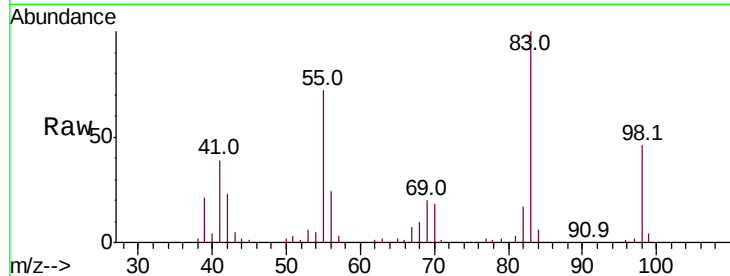




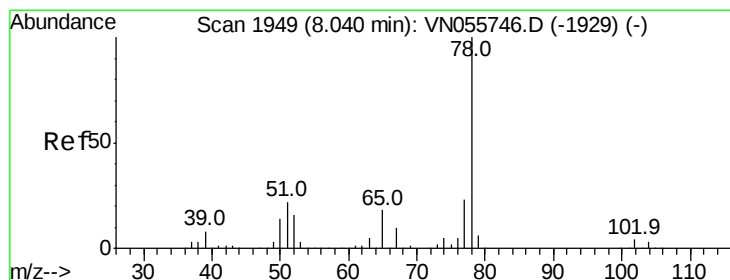
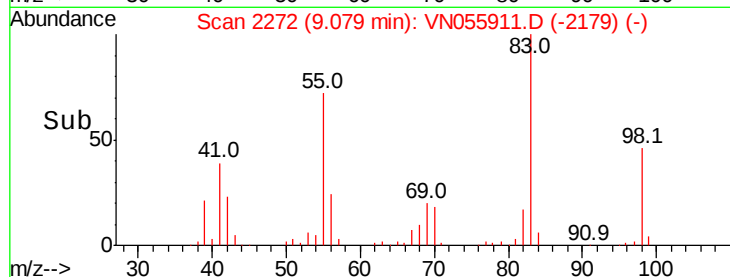
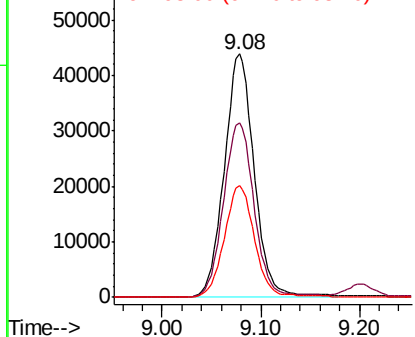
#39
Methvlcvclohexane
Concen: 19.486 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion: 83 Resp: 93332
Ion Ratio Lower Upper
83 100
55 71.5 59.3 88.9
98 45.8 36.6 54.8

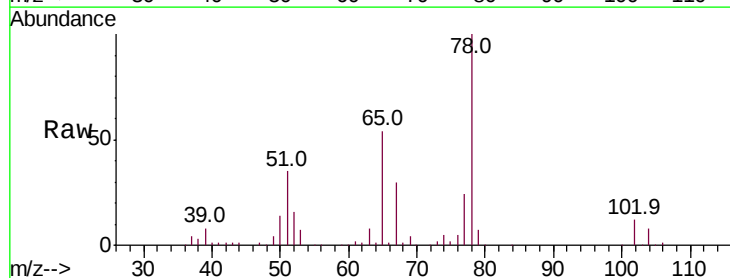


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

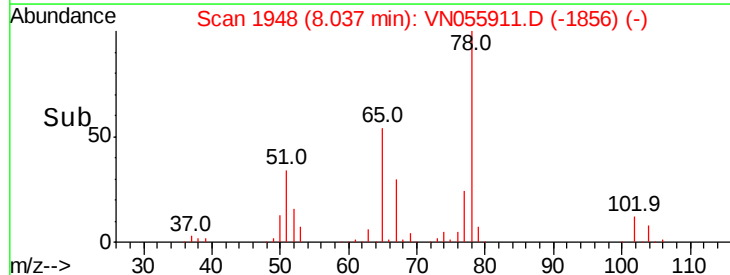
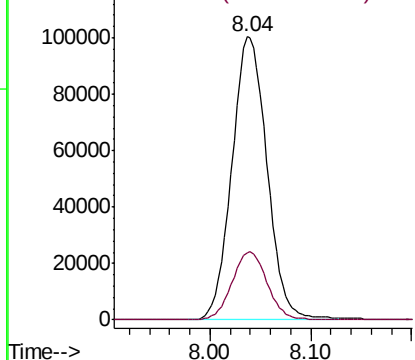


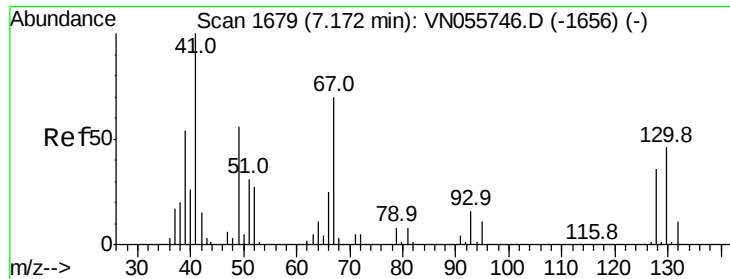
#40
Benzene
Concen: 20.835 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 78 Resp: 242876
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

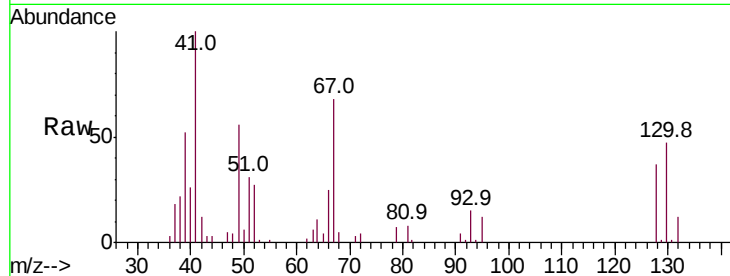




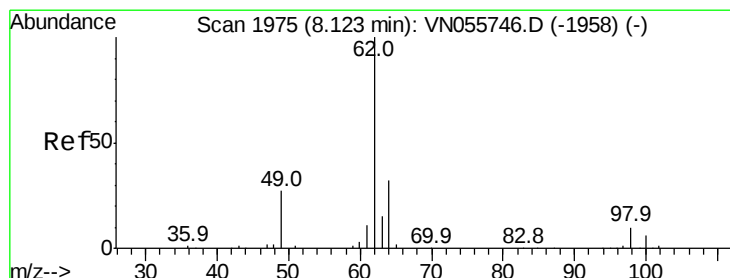
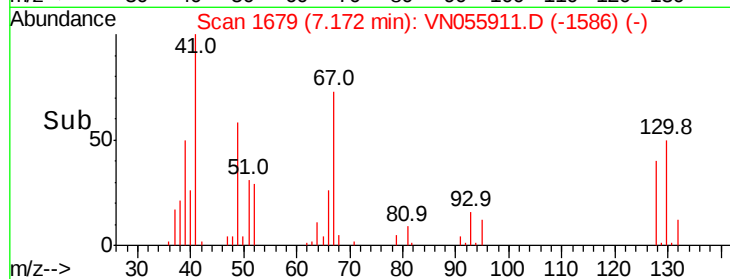
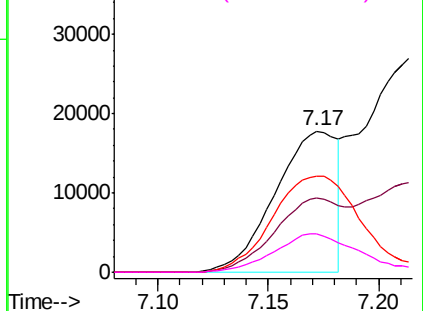
#41
Methacrylonitrile
Concen: 18.382 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0531WBS01

Tot Ion:	41	Resp:	34716
Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.6	68.4
67	98.1	67.7	101.5
52	38.6	26.6	40.0

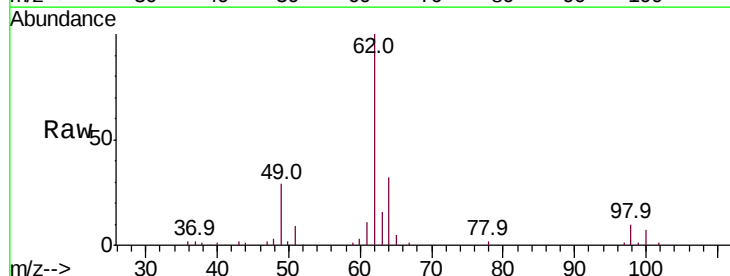


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

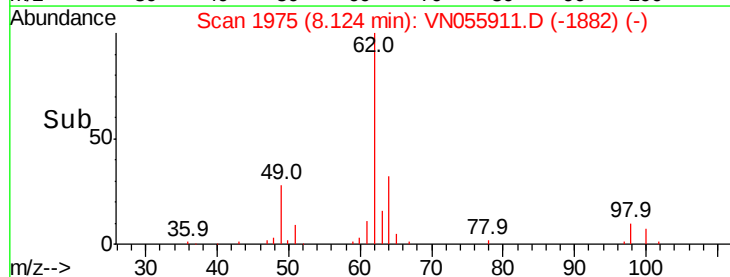
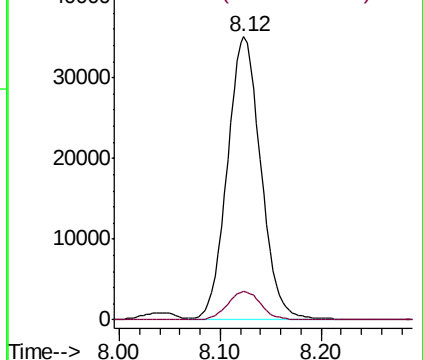


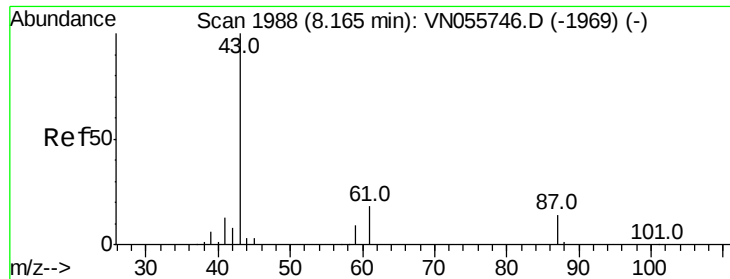
#42
1,2-Dichloroethane
Concen: 21.368 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion:	62	Resp:	81392
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.379 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

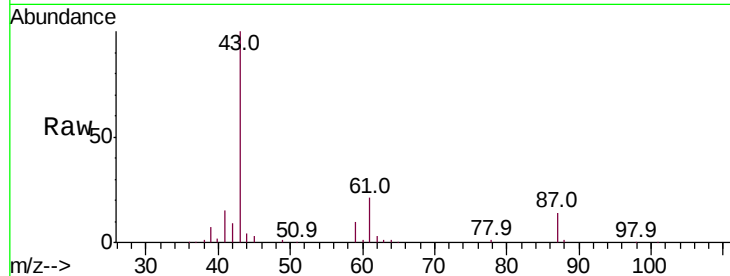
Tot Ion: 43 Resp: 128000

Ion Ratio Lower Upper

43 100

61 21.2 22.2 33.4#

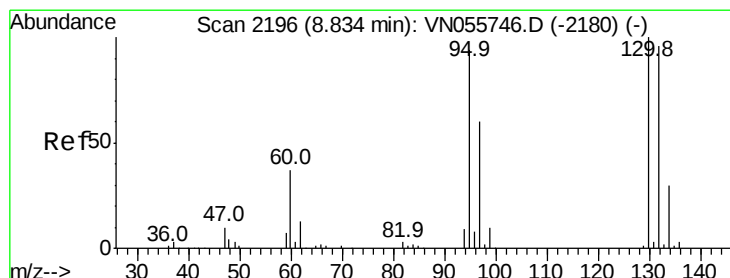
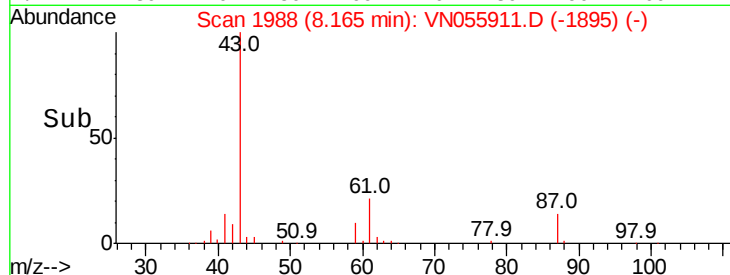
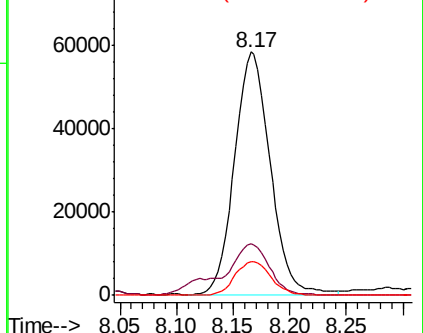
87 14.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055911.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055911.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055911.D (-1969) (-)



#44

Trichloroethene

Concen: 20.570 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055911.D

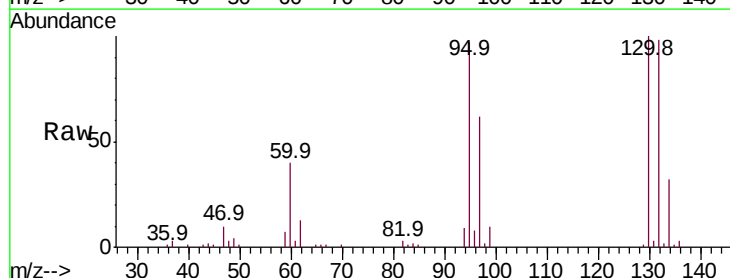
Acq: 31 May 2019 11:47

Tgt Ion:130 Resp: 66849

Ion Ratio Lower Upper

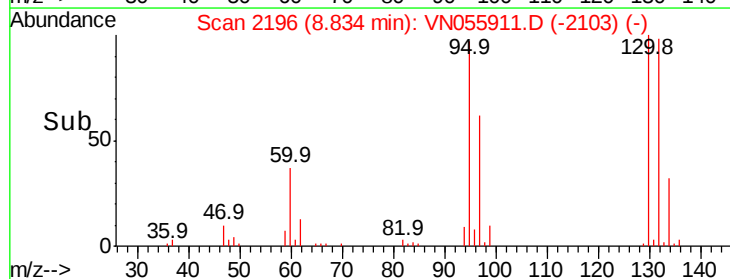
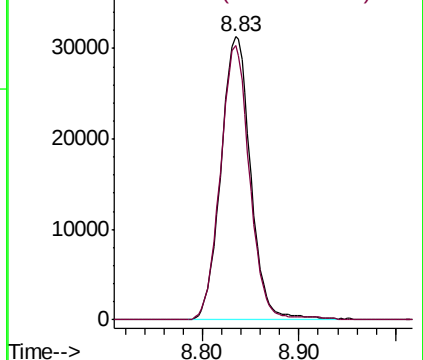
130 100

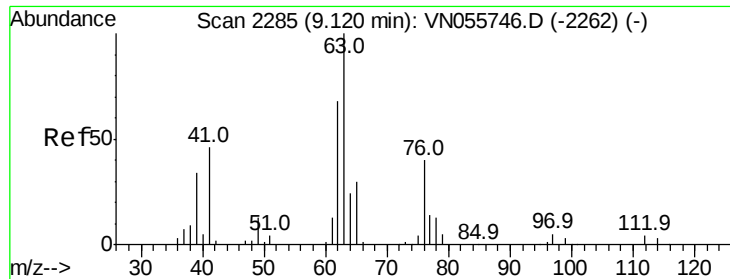
95 97.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055911.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055911.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 21.226 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

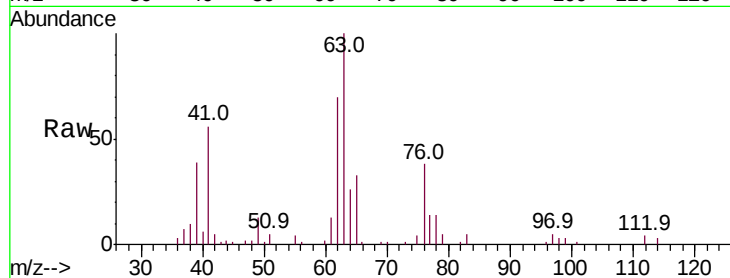
VN0531WBS01

Tot Ion: 63 Resp: 64467

Ion Ratio Lower Upper

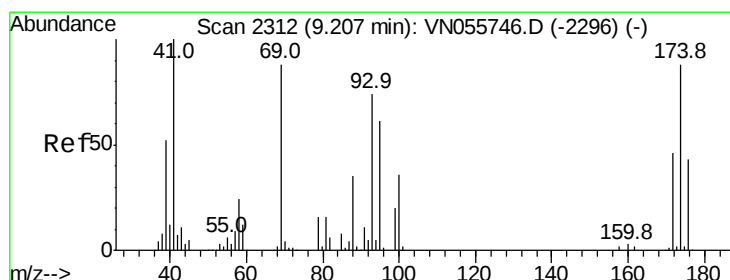
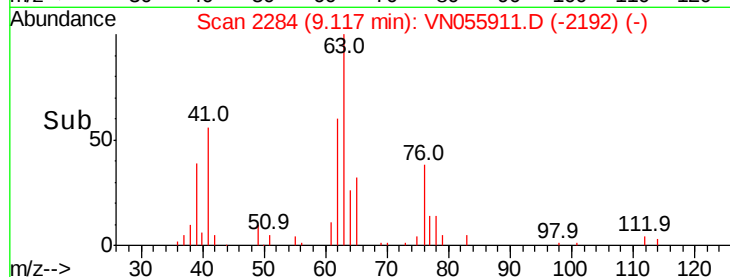
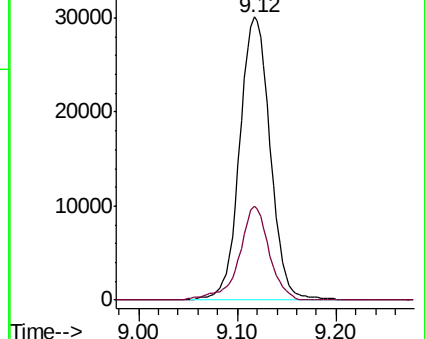
63 100

65 33.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.321 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

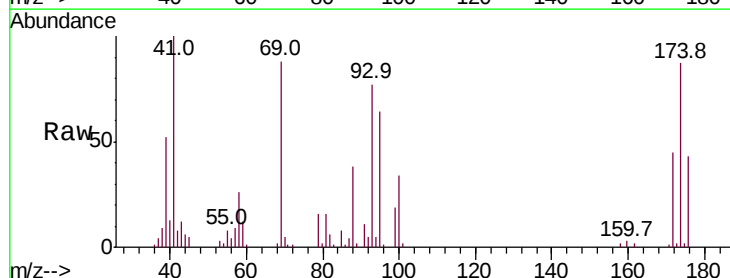
Tgt Ion: 93 Resp: 42467

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

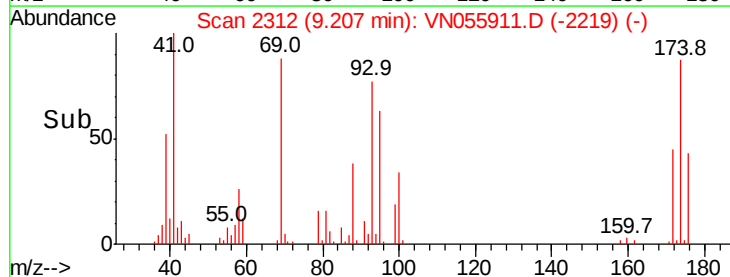
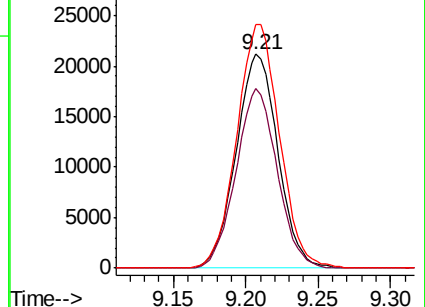
174 116.5 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.311 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

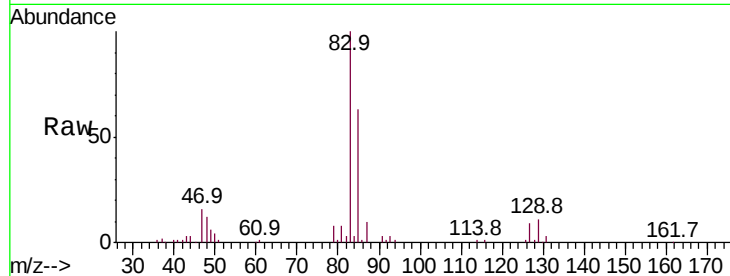
Tot Ion: 83 Resp: 78870

Ion Ratio Lower Upper

83 100

85 62.7 52.2 78.2

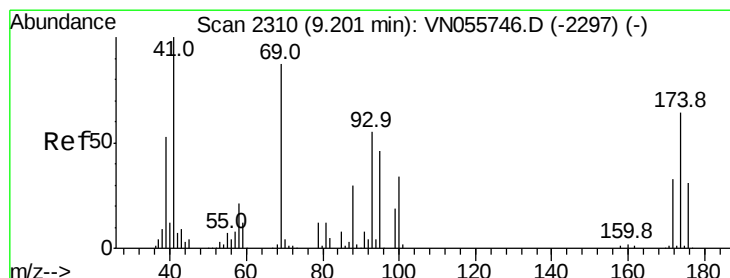
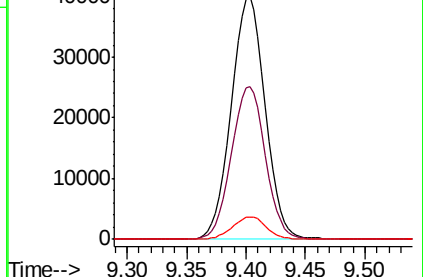
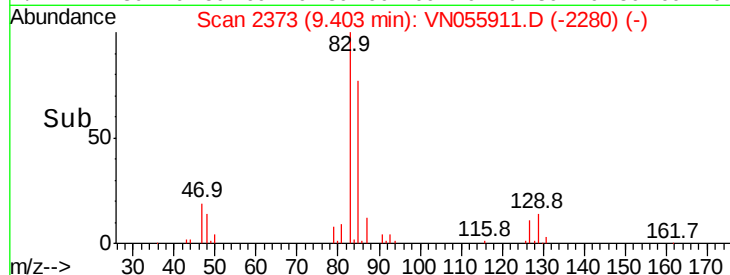
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055911.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055911.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055911.D (-2280) (-)



#48

Methyl methacrylate

Concen: 21.666 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

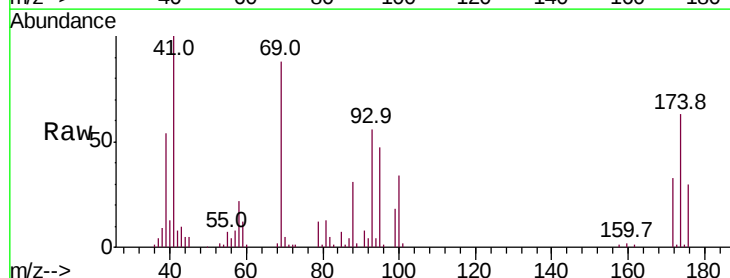
Tgt Ion: 41 Resp: 62719

Ion Ratio Lower Upper

41 100

69 89.4 71.0 106.6

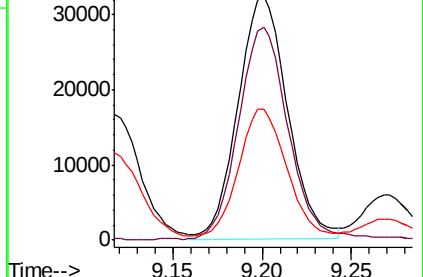
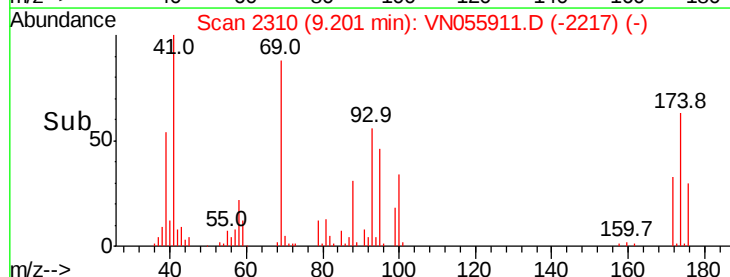
39 52.7 44.2 66.2

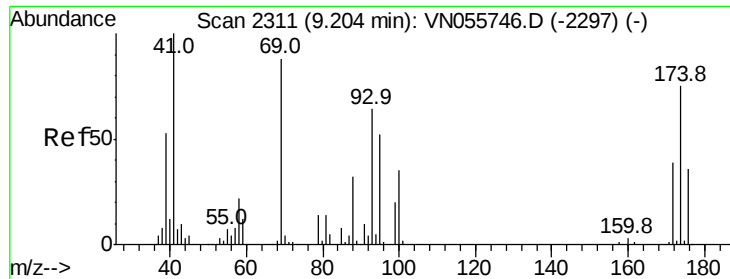


Abundance Ion 41.00 (40.70 to 41.70): VN055911.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055911.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055911.D (-2217) (-)





#49

1,4-Dioxane

Concen: 435.101 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

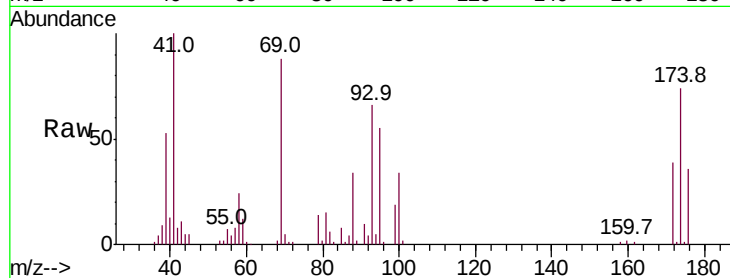
Tot Ion: 88 Resp: 26174

Ion Ratio Lower Upper

88 100

43 25.8 20.5 30.7

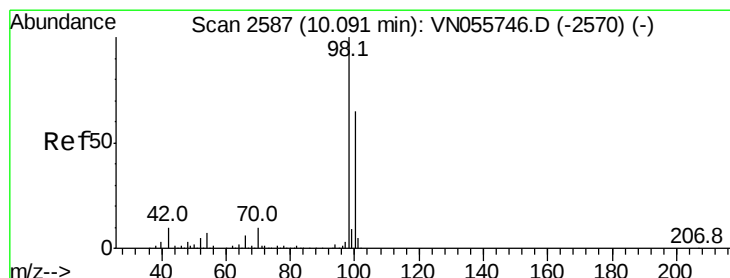
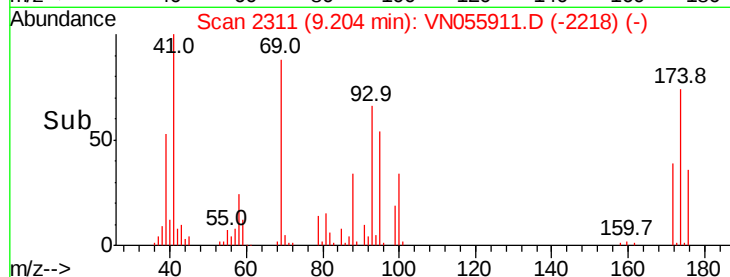
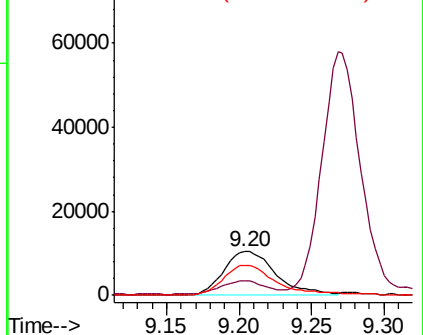
58 71.1 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055911.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055911.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055911.D (-2218) (-)



#50

Toluene-d8

Concen: 50.289 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055911.D

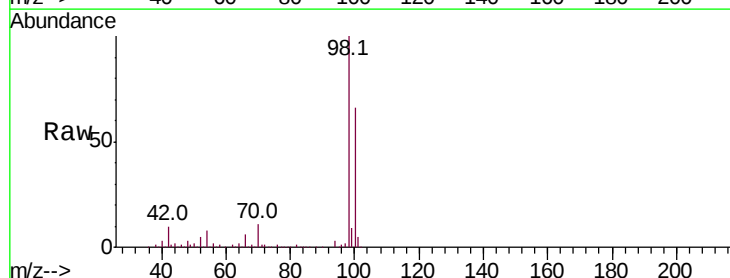
Acq: 31 May 2019 11:47

Tgt Ion: 98 Resp: 541309

Ion Ratio Lower Upper

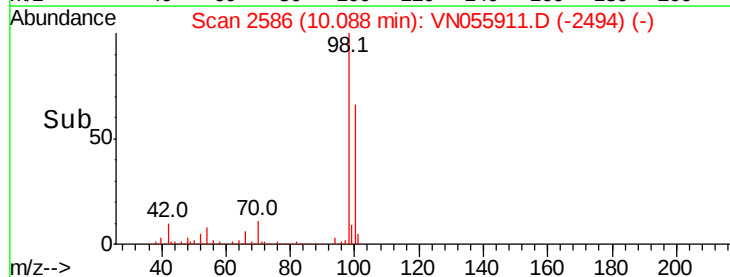
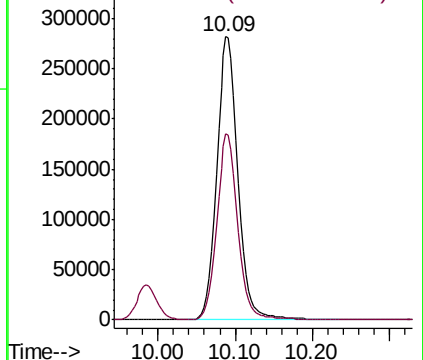
98 100

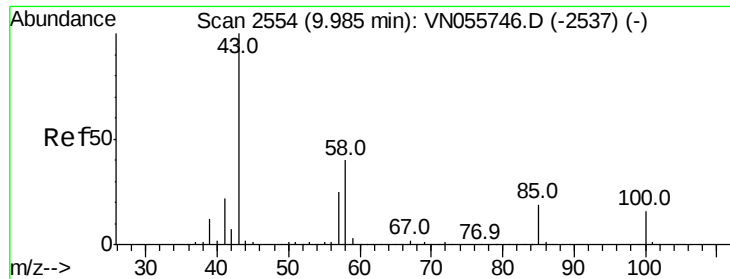
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055911.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055911.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 109.492 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleID :

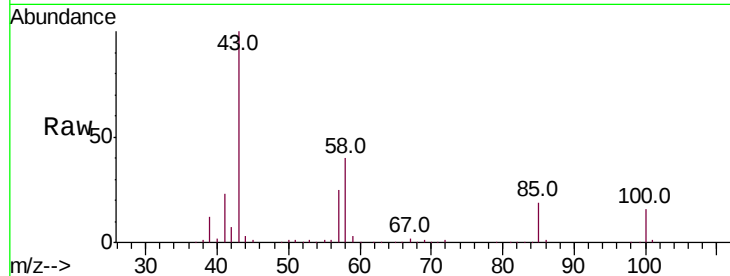
VN0531WBS01

Tot Ion: 43 Resp: 406172

Ion Ratio Lower Upper

43 100

58 40.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

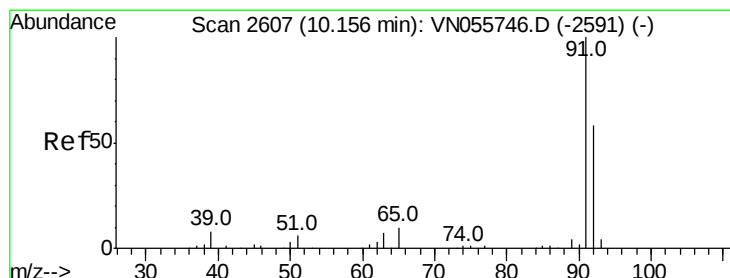
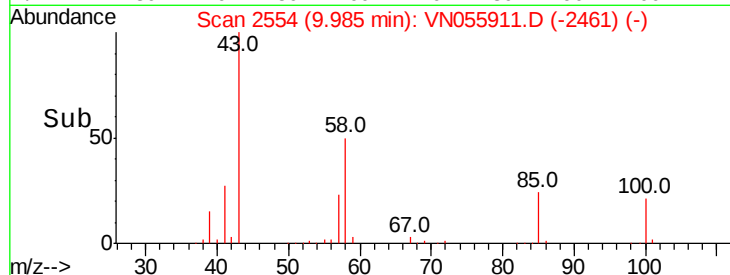
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.638 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055911.D

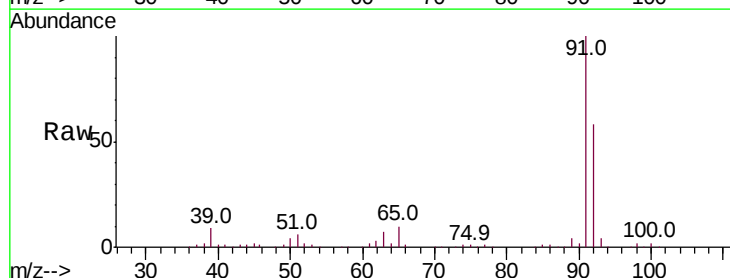
Acq: 31 May 2019 11:47

Tgt Ion: 92 Resp: 151311

Ion Ratio Lower Upper

92 100

91 175.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

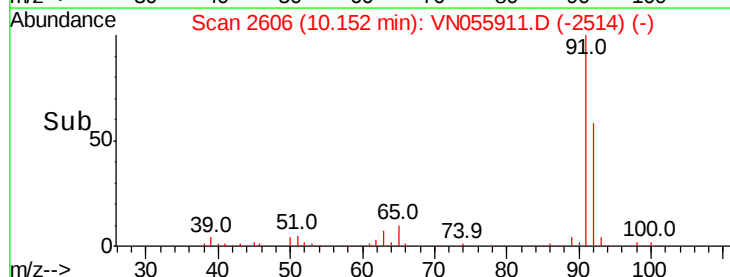
150000

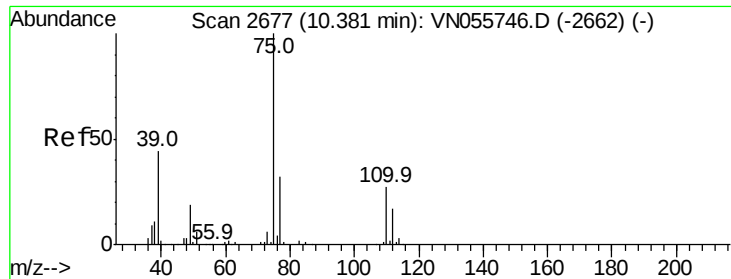
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.727 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

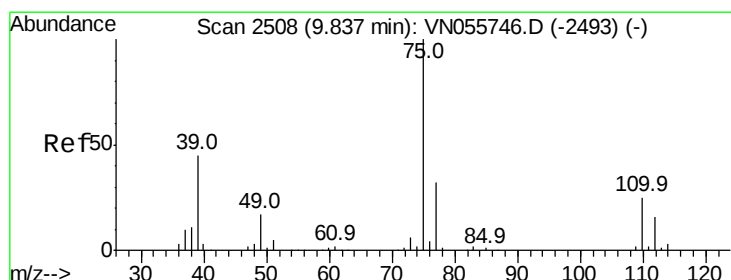
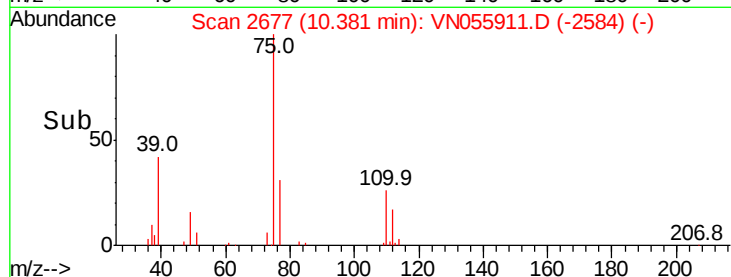
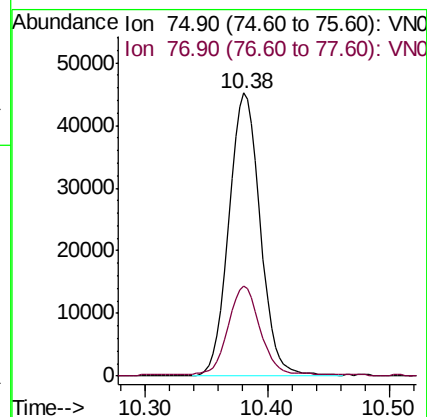
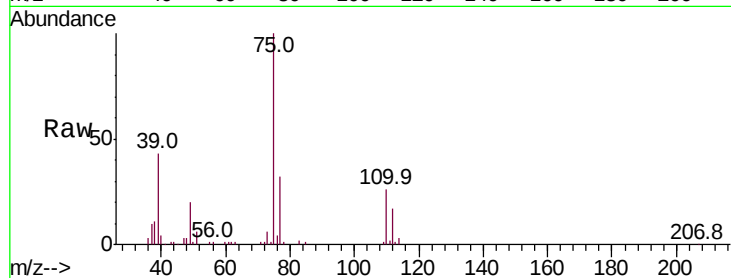
VN0531WBS01

Tot Ion: 75 Resp: 81644

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 19.229 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

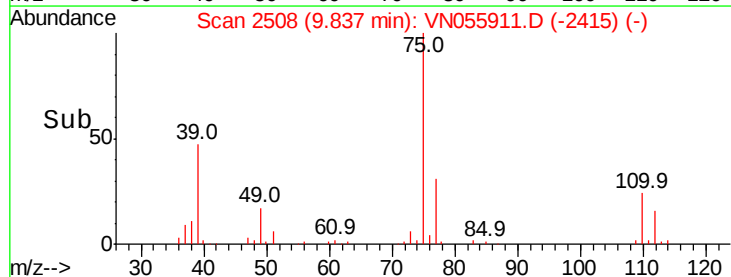
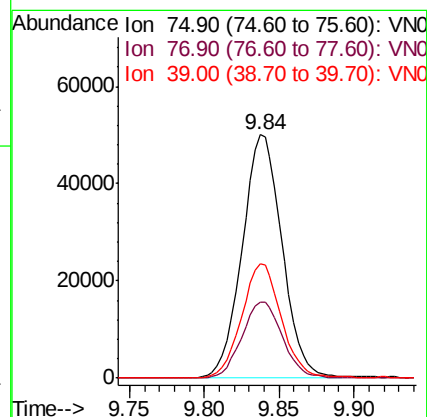
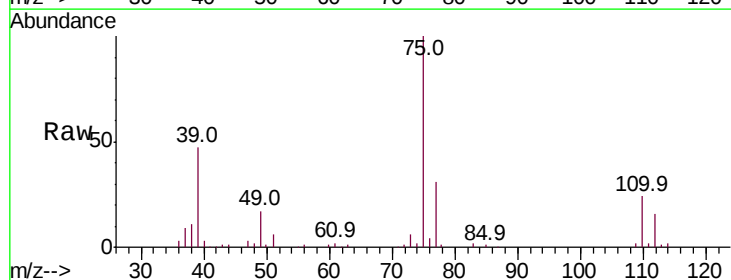
Tgt Ion: 75 Resp: 92872

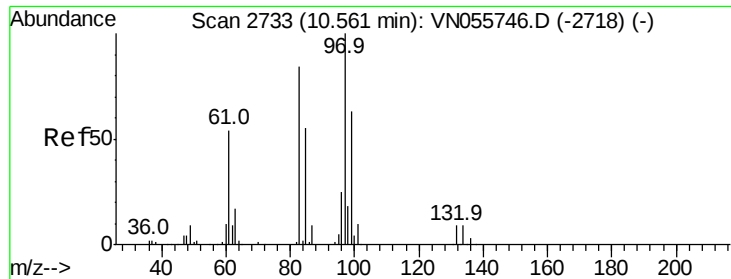
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 47.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 21.618 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

Tot Ion: 97 Resp: 63495

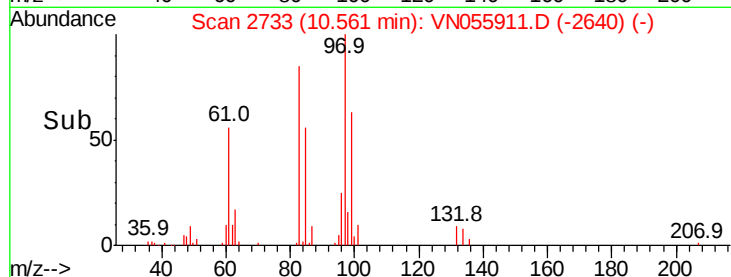
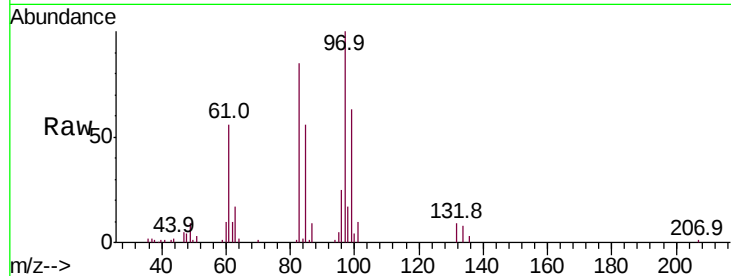
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.0	100.6
85	56.4	44.0	66.0
99	63.5	50.6	75.8

97 100

83 84.6 67.0 100.6

85 56.4 44.0 66.0

99 63.5 50.6 75.8

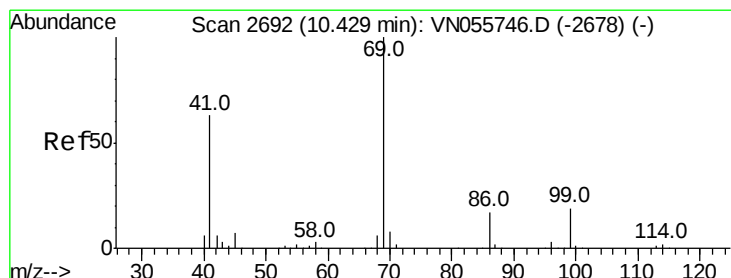
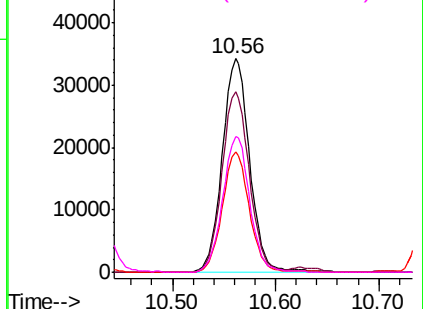


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.577 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

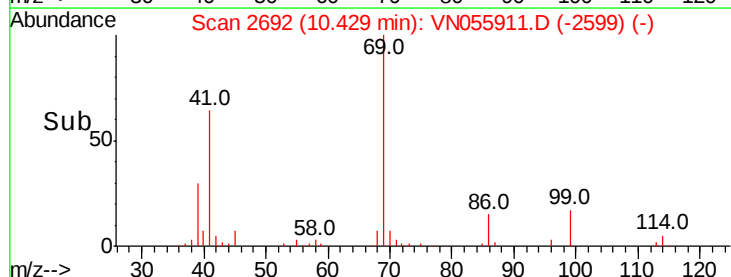
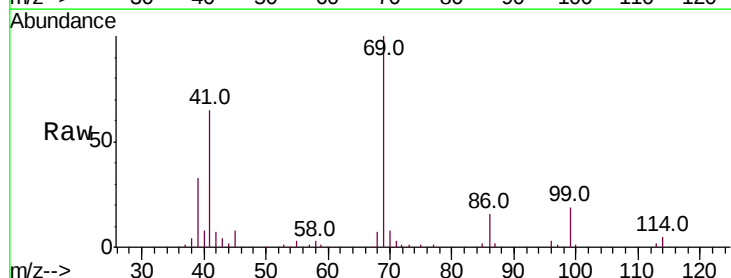
Tgt Ion: 69 Resp: 93401

Ion	Ratio	Lower	Upper
69	100		
41	63.8	49.7	74.5
39	31.8	24.7	37.1

69 100

41 63.8 49.7 74.5

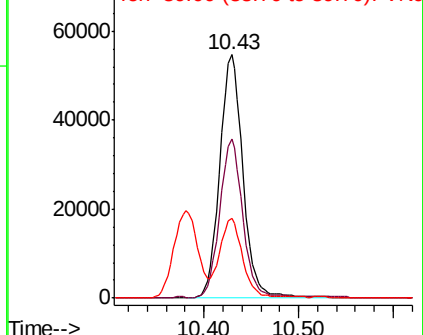
39 31.8 24.7 37.1

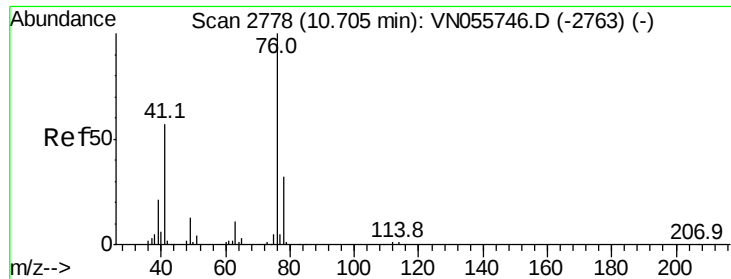


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

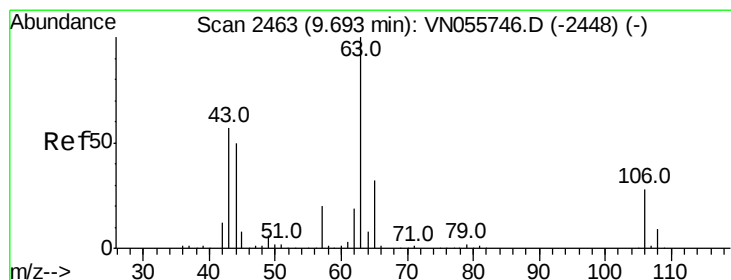
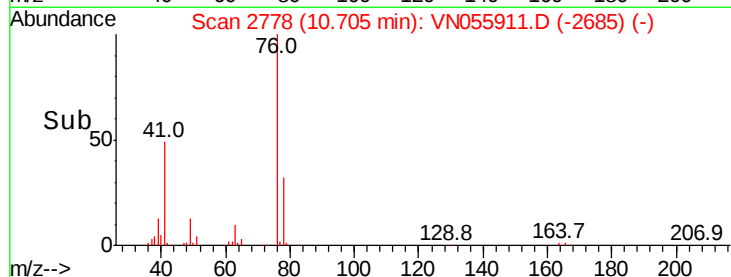
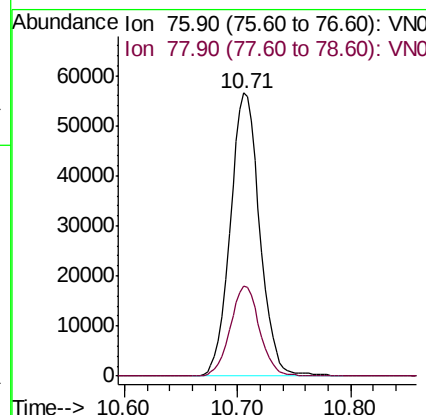
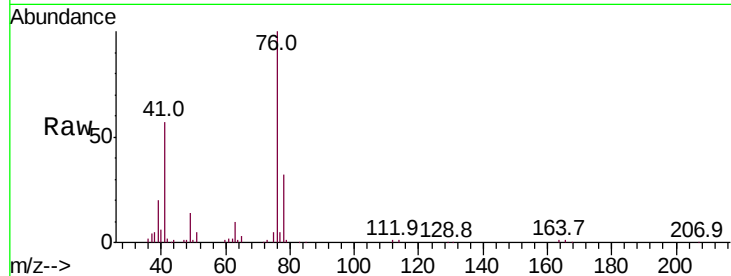




#57
 1,3-Dichloropropane
 Concen: 21.415 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

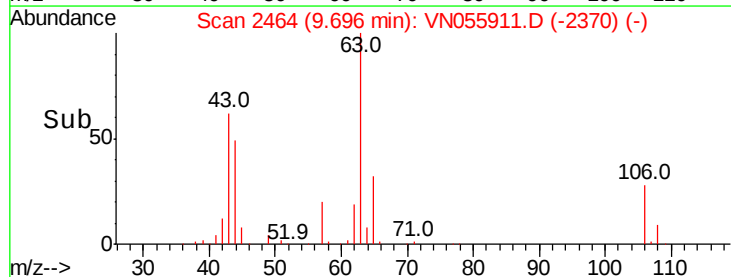
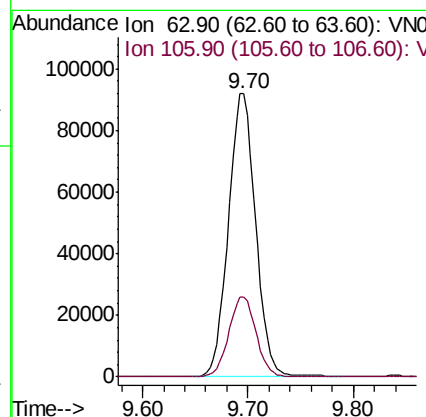
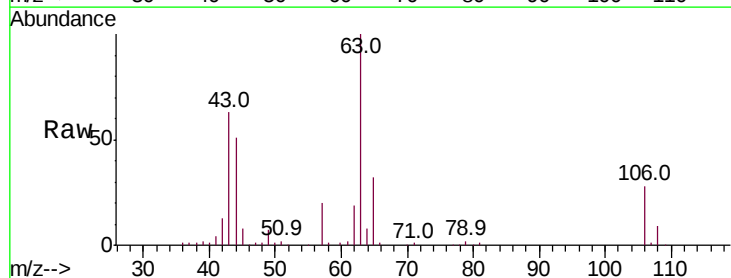
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

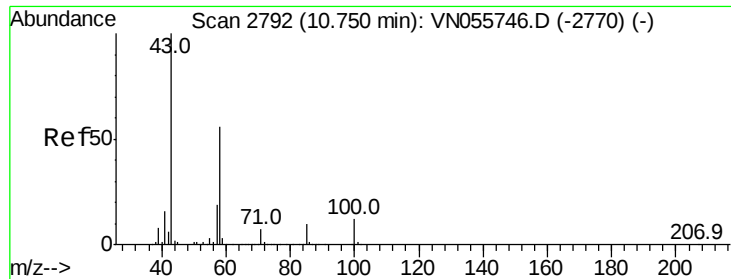
Tot Ion: 76 Resp: 102237
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.700 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion: 63 Resp: 164276
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.7 34.1

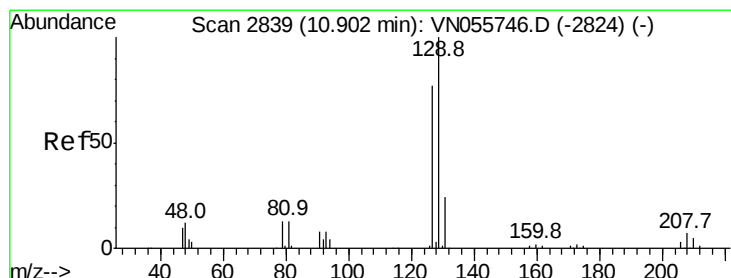
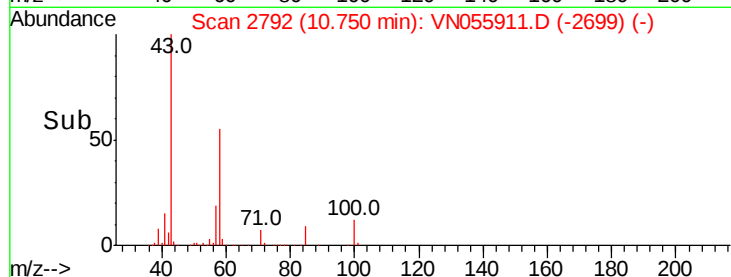
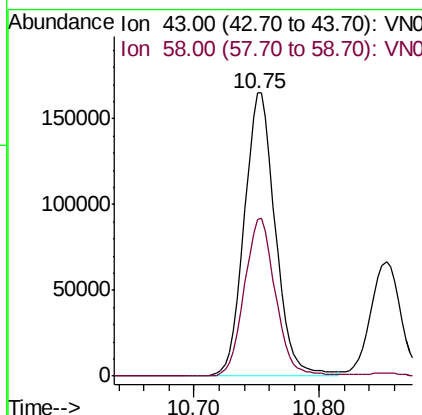
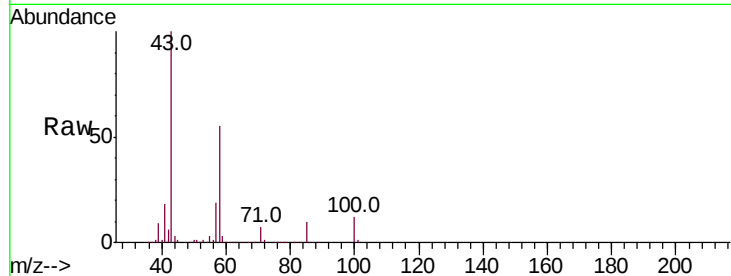




#59
2-Hexanone
Concen: 108.493 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

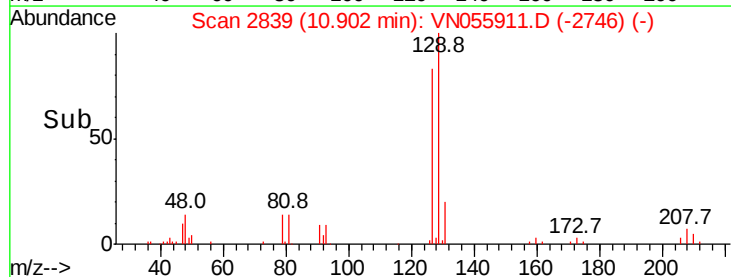
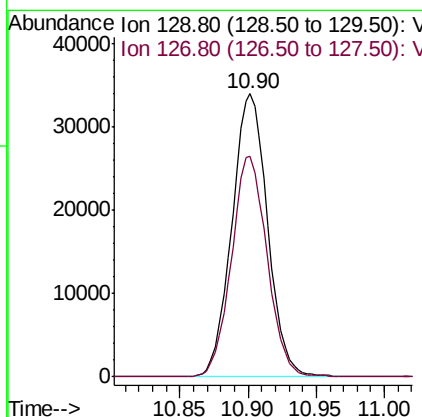
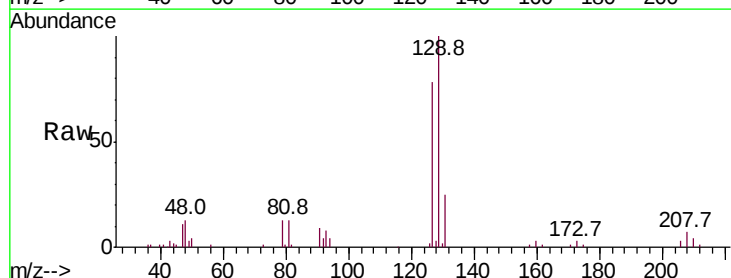
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

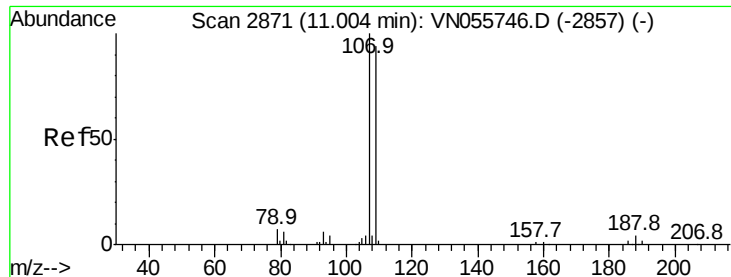
Tot Ion: 43 Resp: 285512
Ion Ratio Lower Upper
43 100
58 55.8 28.2 84.7



#60
Dibromochloromethane
Concen: 18.044 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 129 Resp: 61738
Ion Ratio Lower Upper
129 100
127 77.9 38.1 114.3

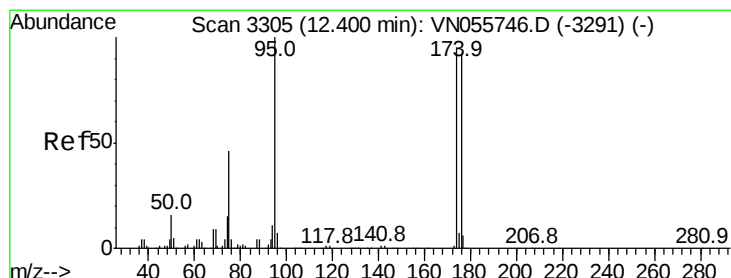
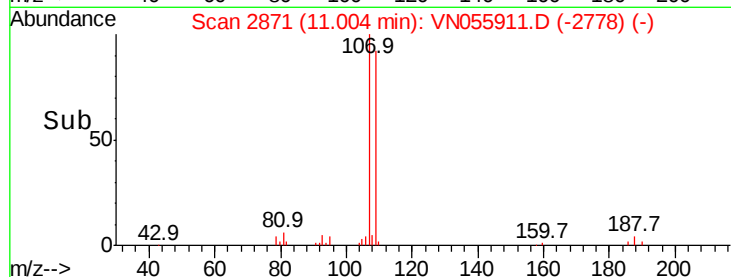
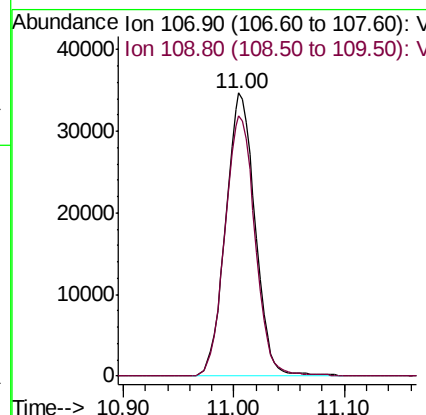
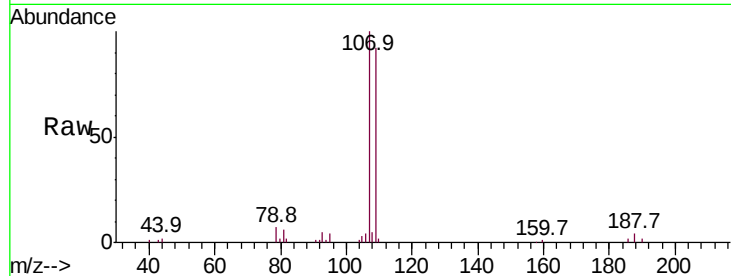




#61
 1,2-Dibromoethane
 Concen: 21.039 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

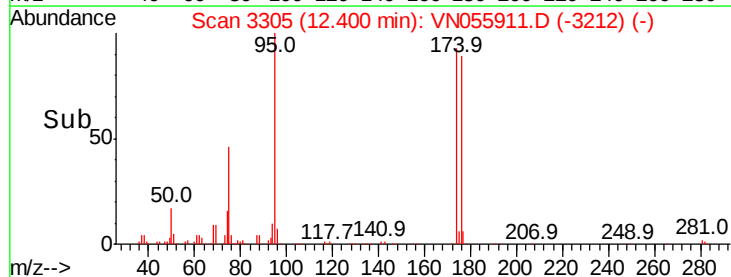
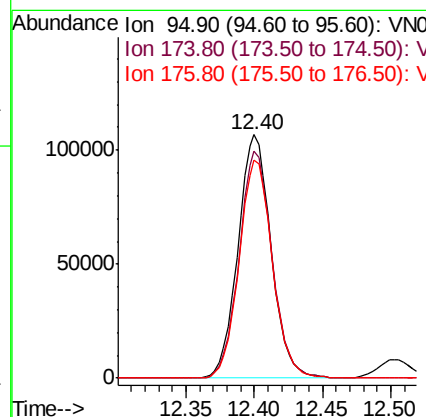
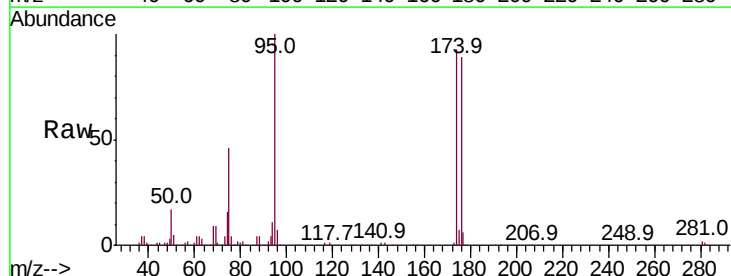
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

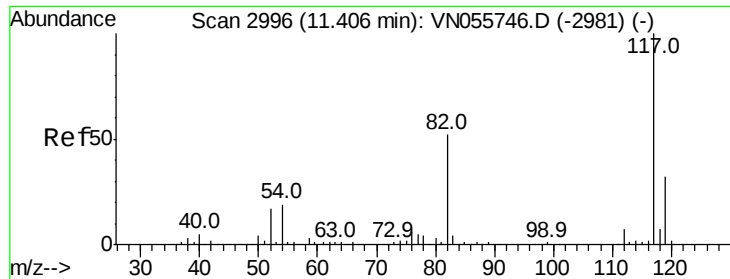
Tot Ion:107 Resp: 64096
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.691 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion: 95 Resp: 179713
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 191.0
 176 90.0 0.0 185.2

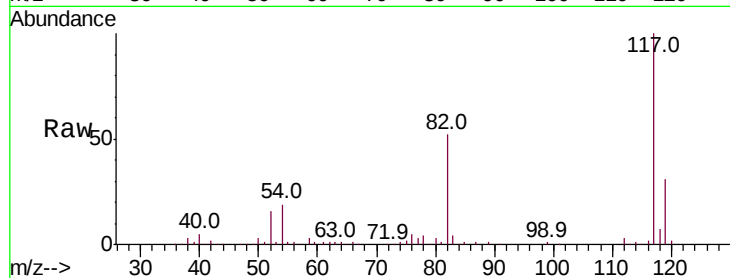




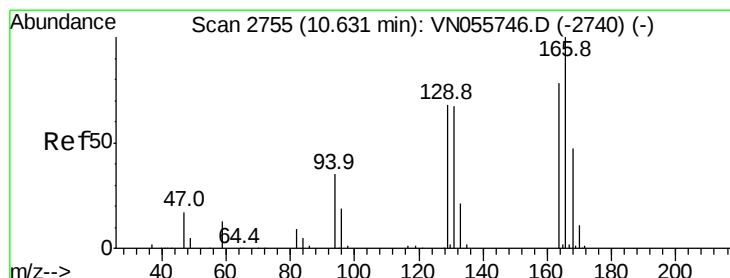
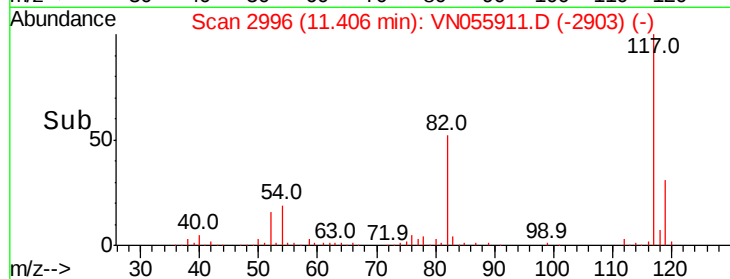
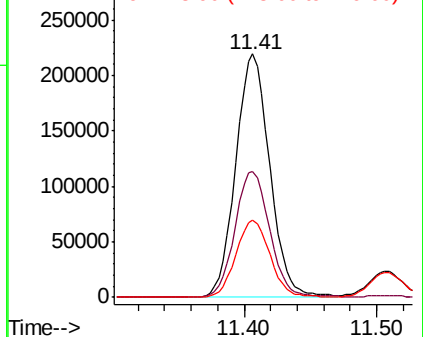
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion:117 Resp: 391677
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 31.5 25.4 38.0

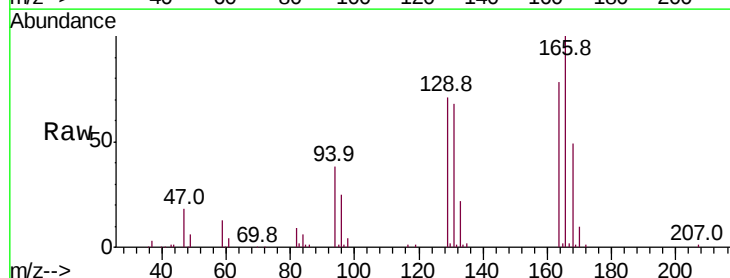


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

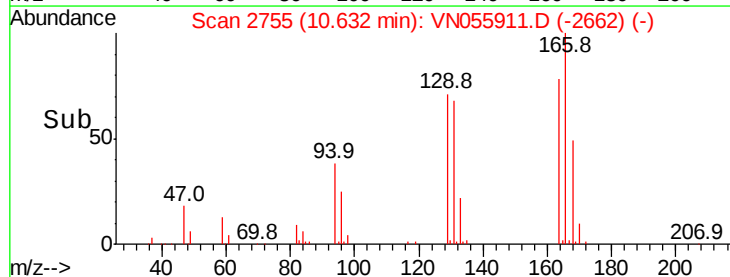
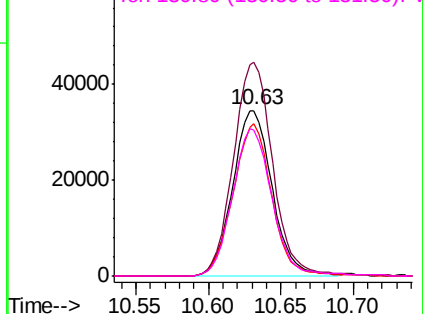


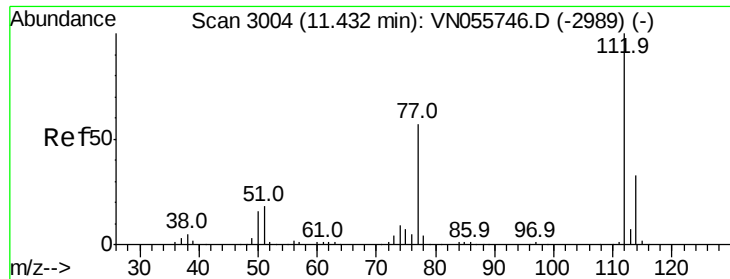
#64
Tetrachloroethene
Concen: 19.749 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion:164 Resp: 65242
Ion Ratio Lower Upper
164 100
166 128.9 103.0 154.6
129 91.8 70.6 105.8
131 87.8 68.6 102.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.368 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

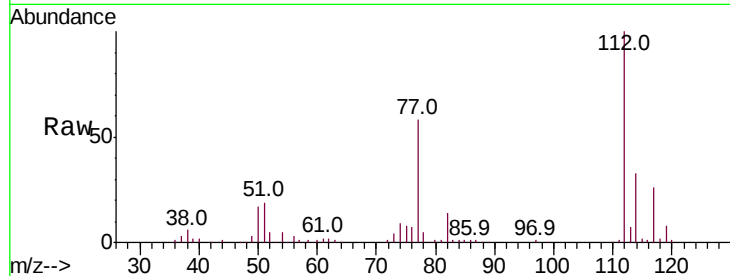
VN0531WBS01

Tot Ion:112 Resp: 159702

Ion Ratio Lower Upper

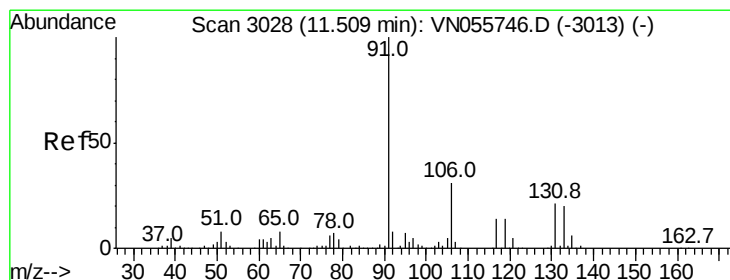
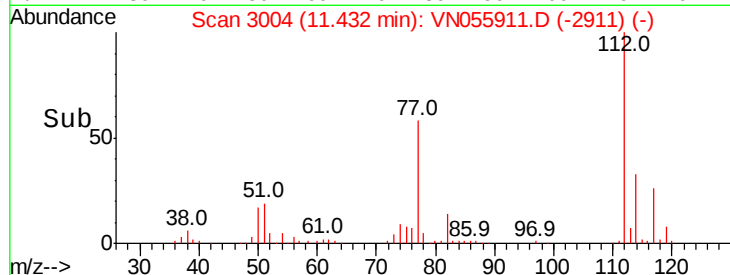
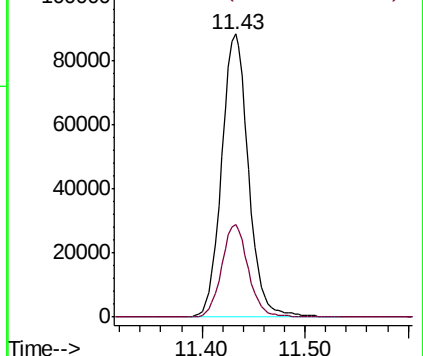
112 100

114 32.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.078 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

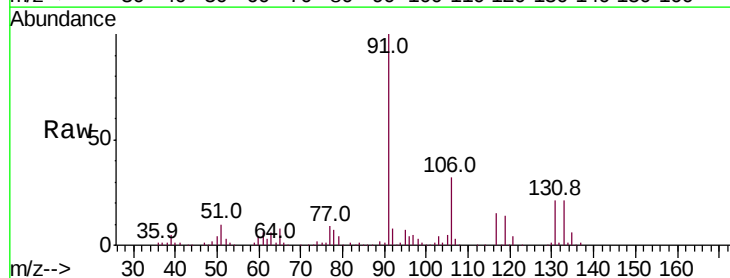
Tgt Ion:131 Resp: 59663

Ion Ratio Lower Upper

131 100

133 96.6 48.0 144.0

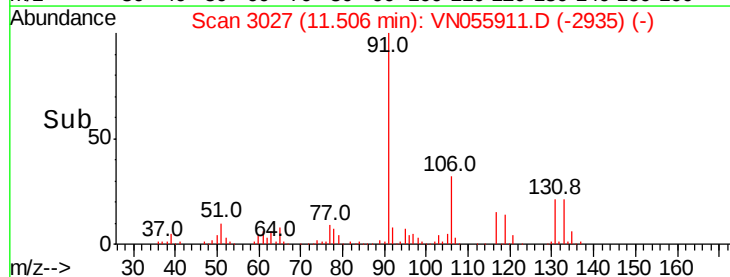
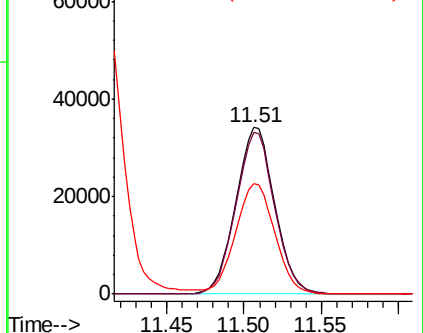
119 67.7 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.268 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

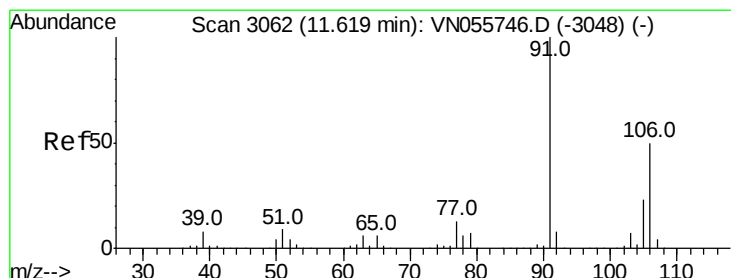
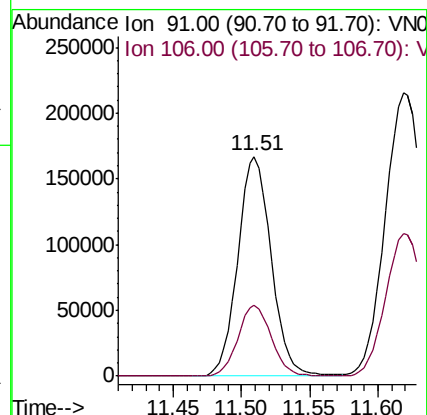
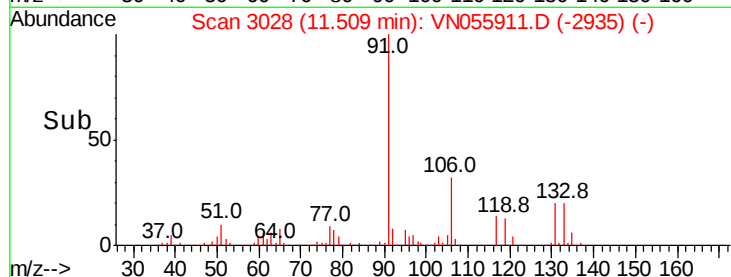
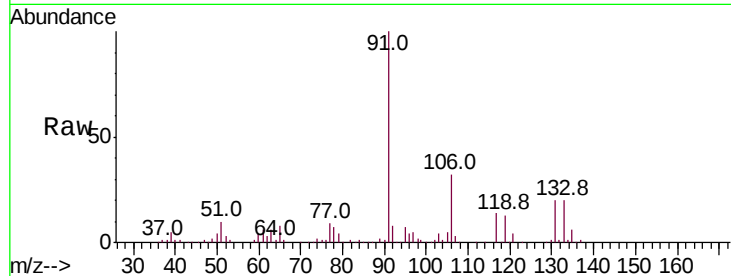
VN0531WBS01

Tot Ion: 91 Resp: 284990

Ion Ratio Lower Upper

91 100

106 32.1 25.1 37.7



#68

m/p-Xylenes

Concen: 40.201 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055911.D

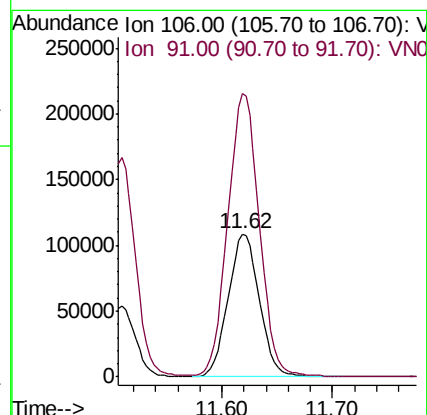
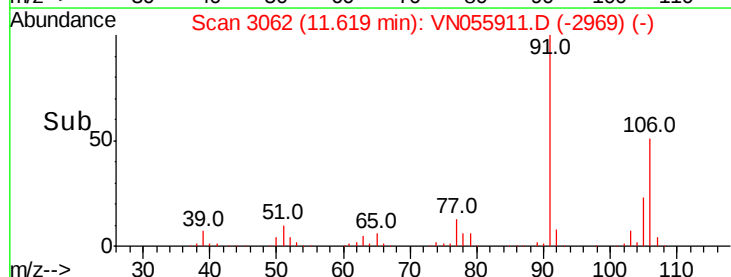
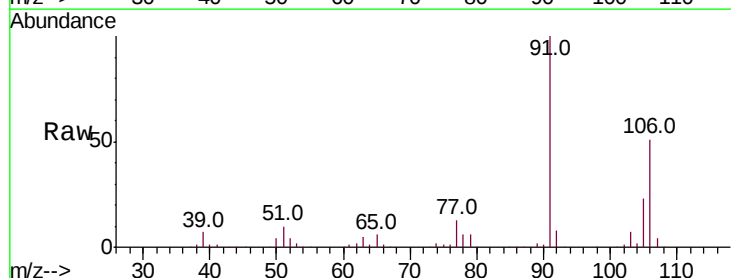
Acq: 31 May 2019 11:47

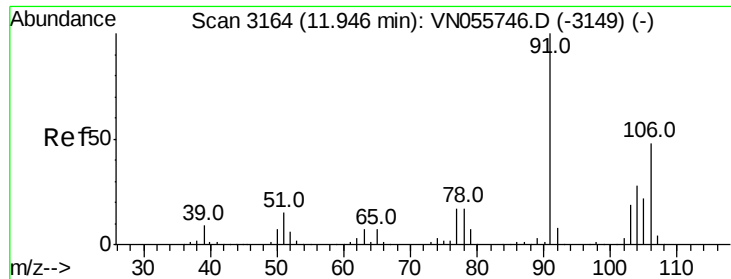
Tgt Ion:106 Resp: 213697

Ion Ratio Lower Upper

106 100

91 200.5 159.3 238.9

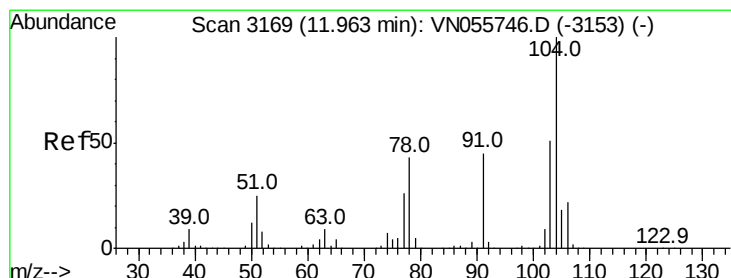
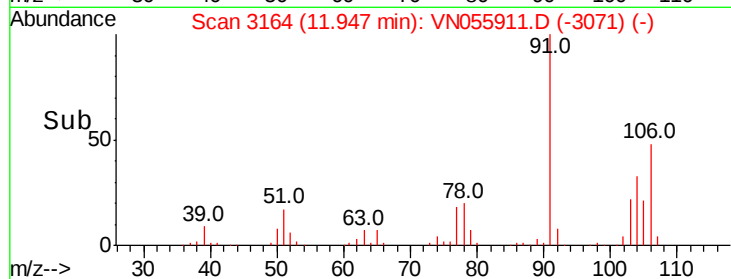
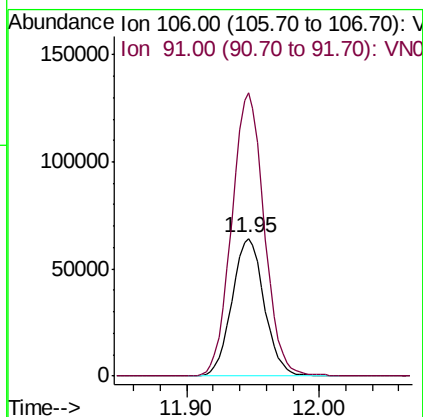
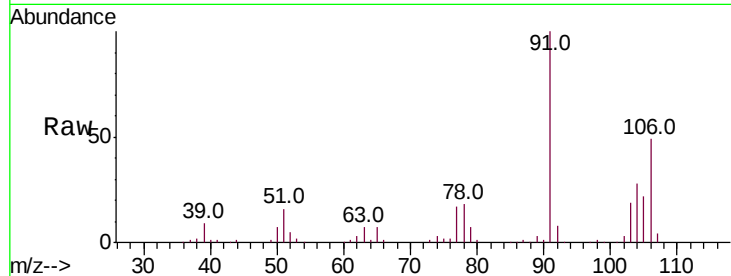




#69
o-Xylene
Concen: 20.646 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

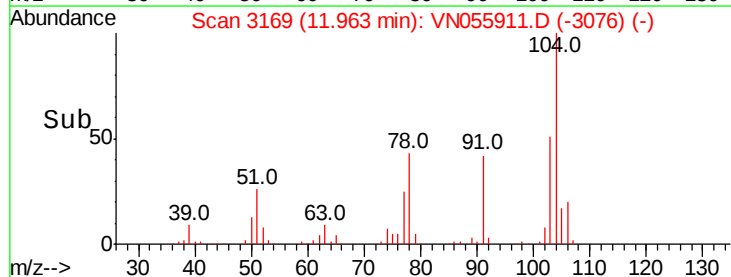
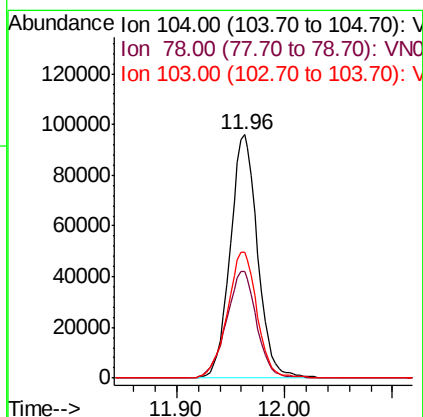
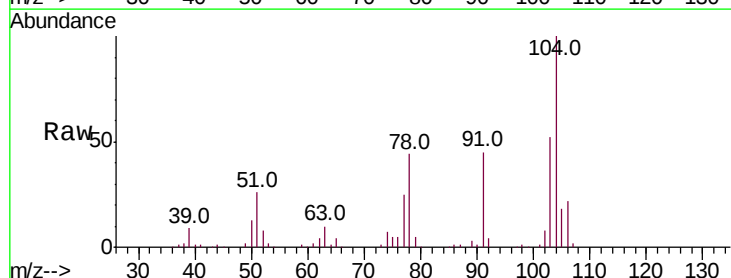
Instrument :
MSVOA_N
ClientSampled :
VN0531WBS01

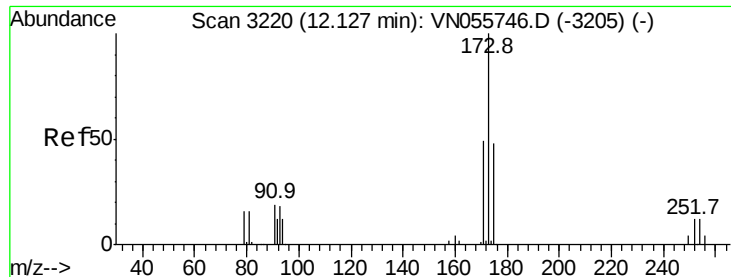
Tot Ion:106 Resp: 108885
Ion Ratio Lower Upper
106 100
91 206.8 104.7 314.1



#70
Styrene
Concen: 19.887 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion:104 Resp: 169848
Ion Ratio Lower Upper
104 100
78 48.4 37.8 56.6
103 56.1 44.2 66.2





#71

Bromoform

Concen: 16.019 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

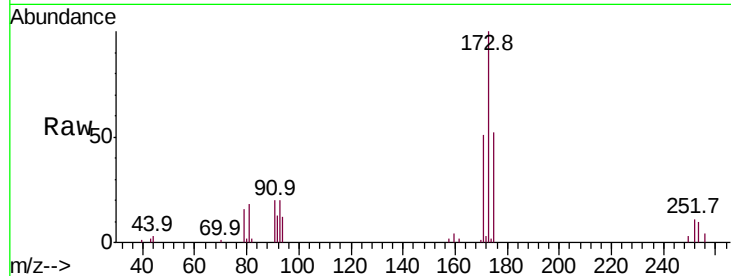
Tot Ion:173 Resp: 42729

Ion Ratio Lower Upper

173 100

175 50.9 24.3 72.8

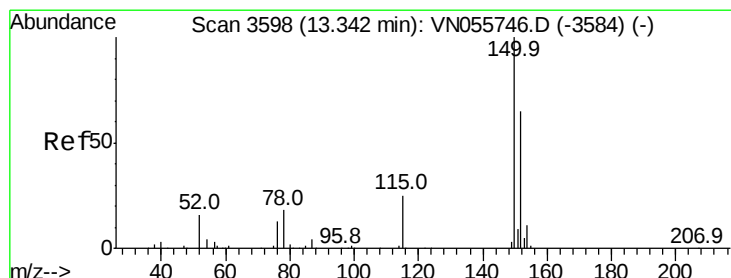
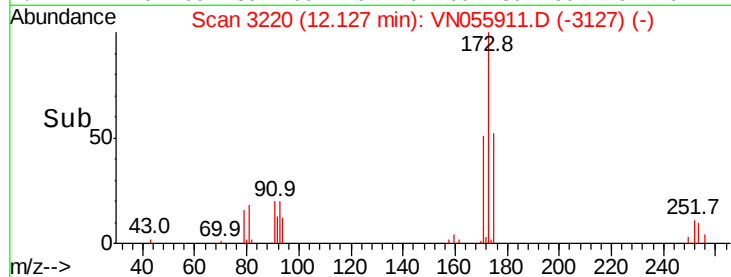
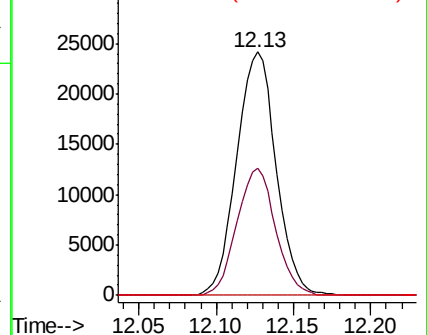
254 0.0 0.0 0.0



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: VN055911.D

Acq: 31 May 2019 11:47

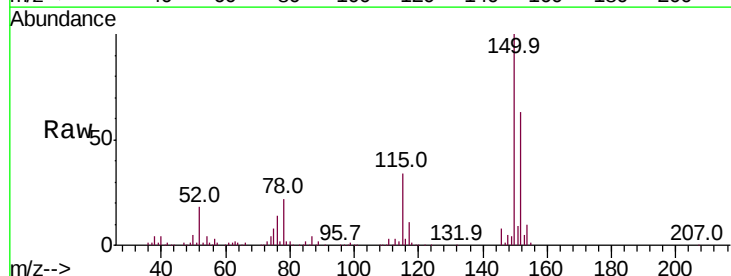
Tgt Ion:152 Resp: 157576

Ion Ratio Lower Upper

152 100

115 53.8 27.0 81.0

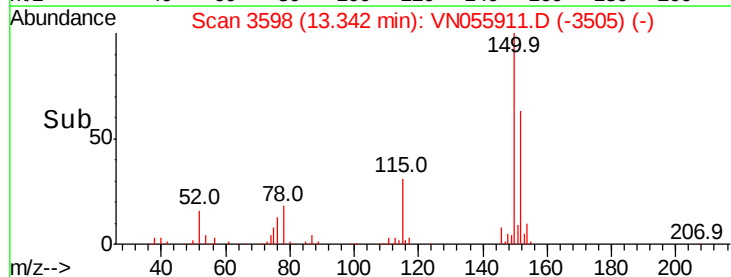
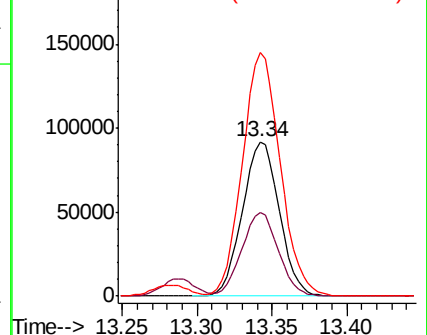
150 162.6 0.0 343.2

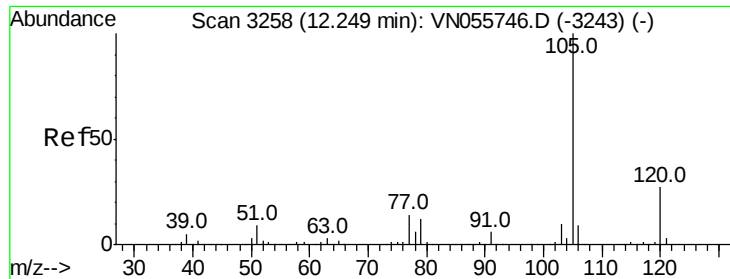


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.909 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

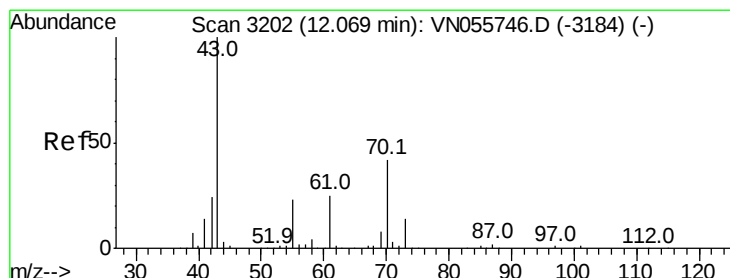
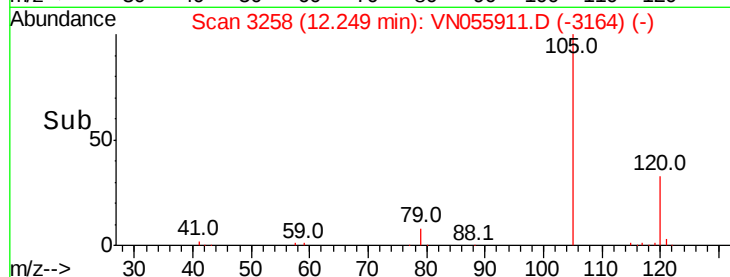
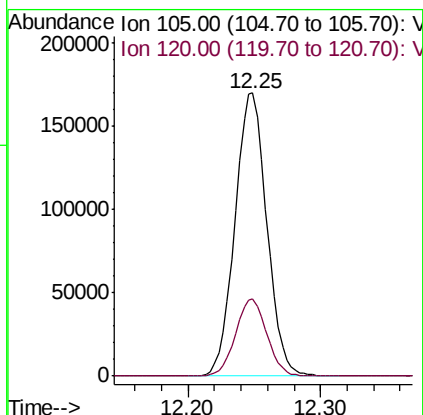
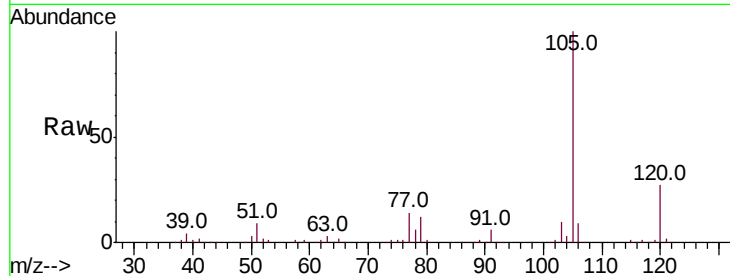
VN0531WBS01

Tot Ion:105 Resp: 283600

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 22.361 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion: 43 Resp: 100788

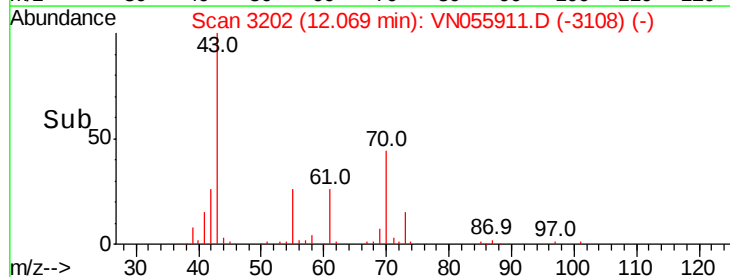
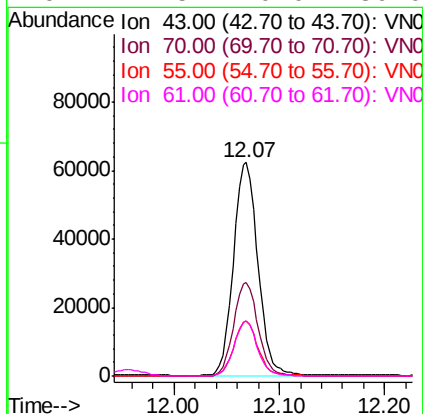
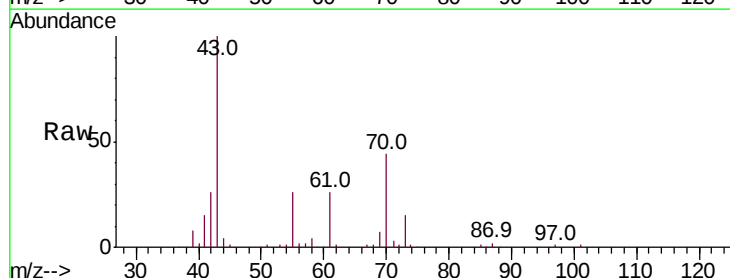
Ion Ratio Lower Upper

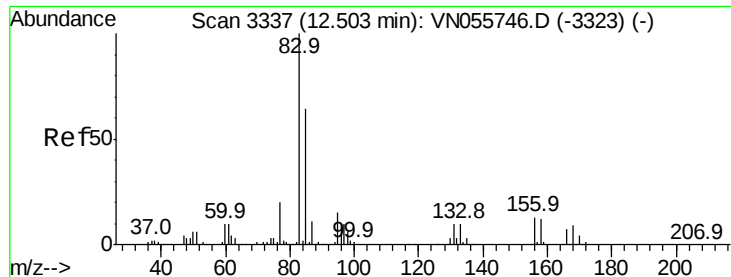
43 100

70 43.5 34.0 51.0

55 25.0 18.6 28.0

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.493 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

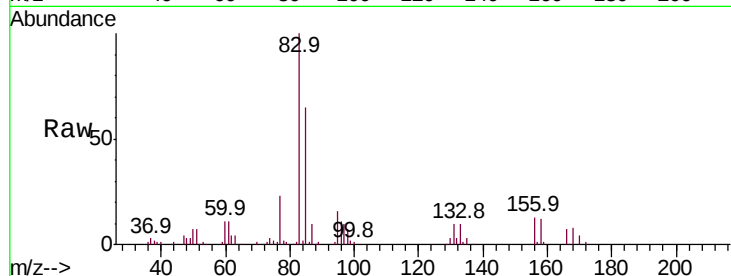
Tot Ion: 83 Resp: 86921

Ion Ratio Lower Upper

83 100

131 10.0 5.4 16.2

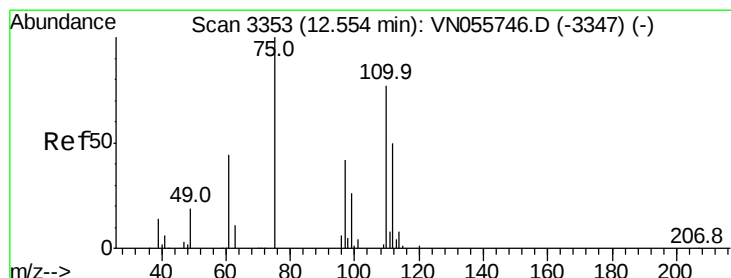
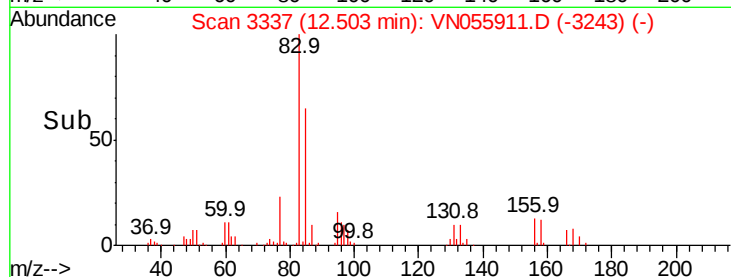
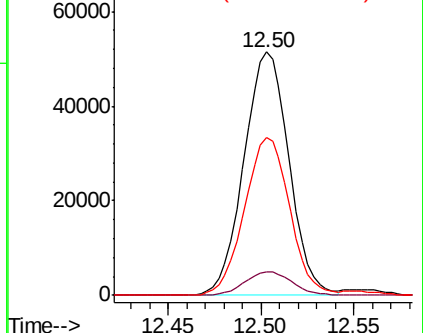
85 65.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055911.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055911.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055911.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 37.109 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055911.D

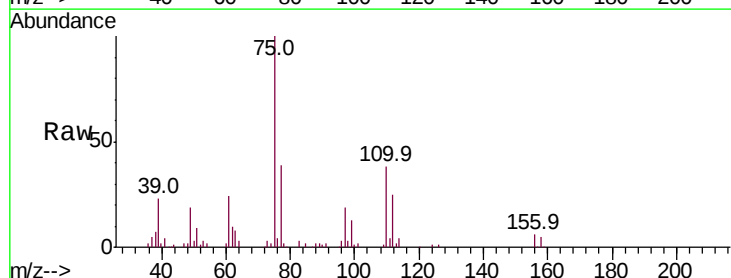
Acq: 31 May 2019 11:47

Tgt Ion: 75 Resp: 102890

Ion Ratio Lower Upper

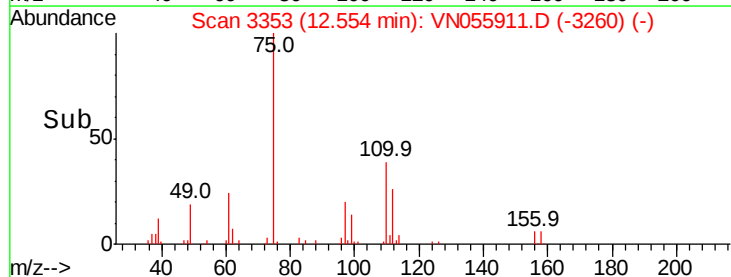
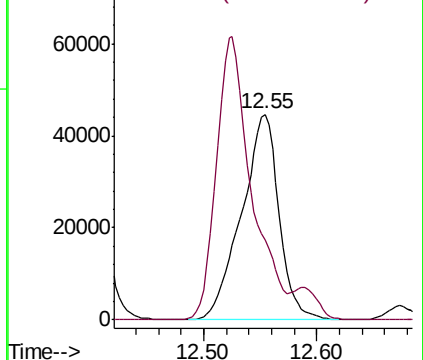
75 100

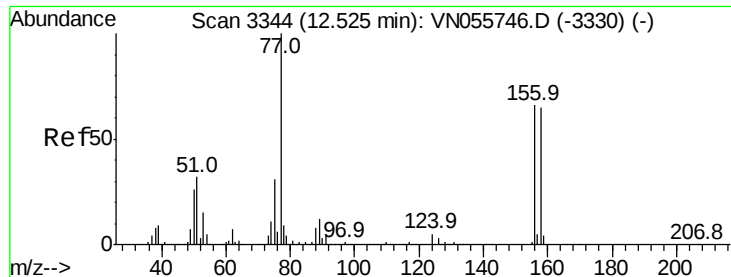
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055911.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055911.D (-3260) (-)





#77

Bromobenzene

Concen: 21.706 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

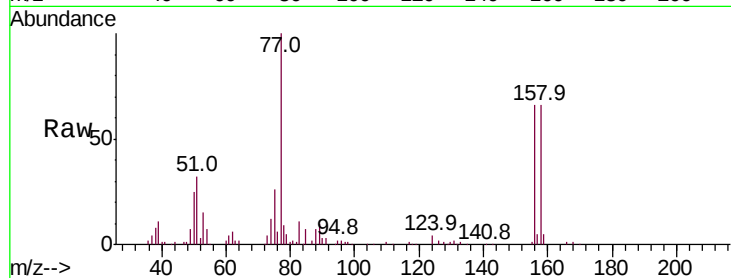
Tot Ion:156 Resp: 72987

Ion Ratio Lower Upper

156 100

77 181.2 90.8 272.5

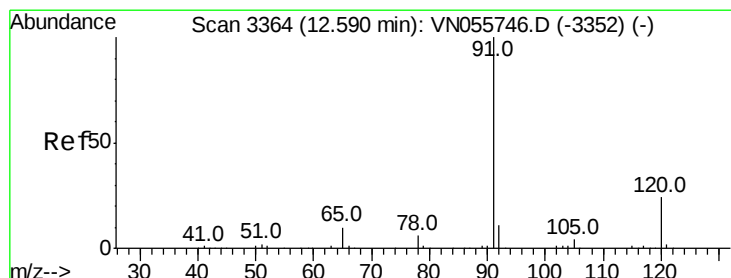
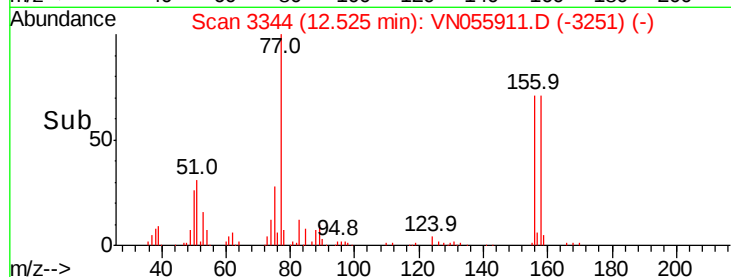
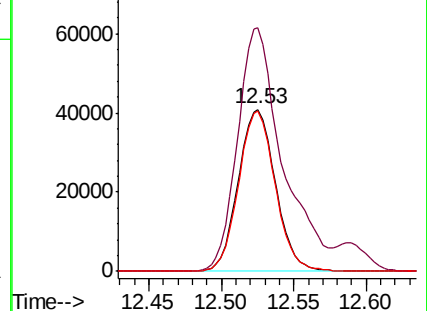
158 97.3 49.3 147.8



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: 21.388 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055911.D

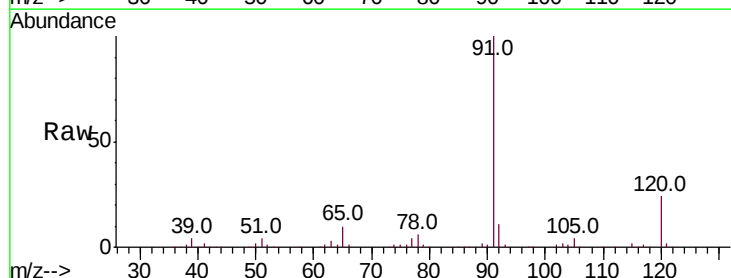
Acq: 31 May 2019 11:47

Tgt Ion: 91 Resp: 292921

Ion Ratio Lower Upper

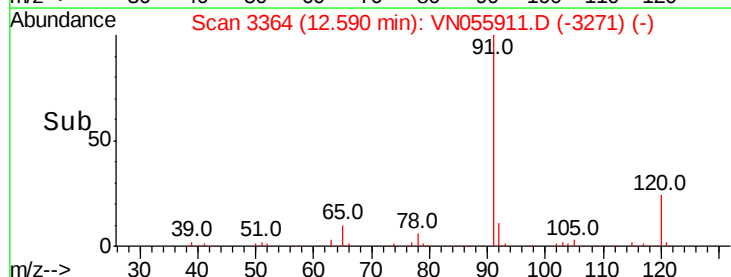
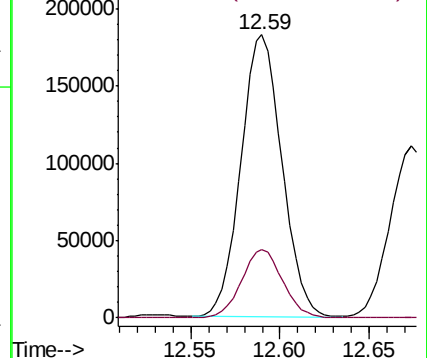
91 100

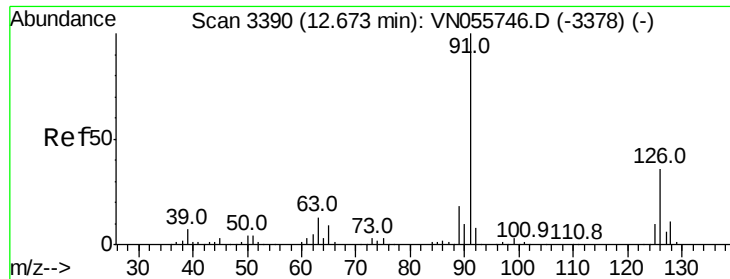
120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.873 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

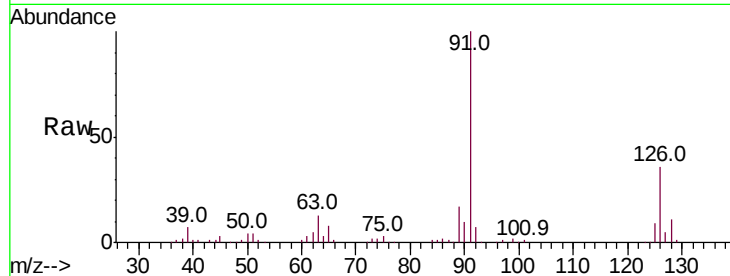
VN0531WBS01

Tot Ion: 91 Resp: 185937

Ion Ratio Lower Upper

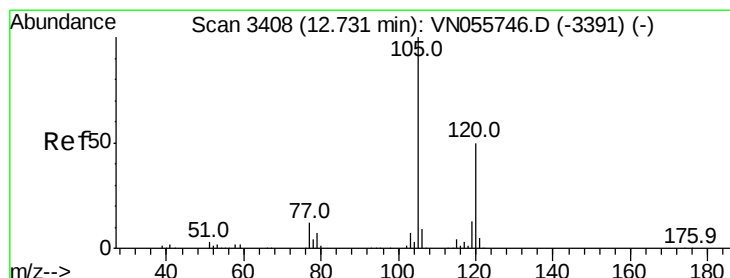
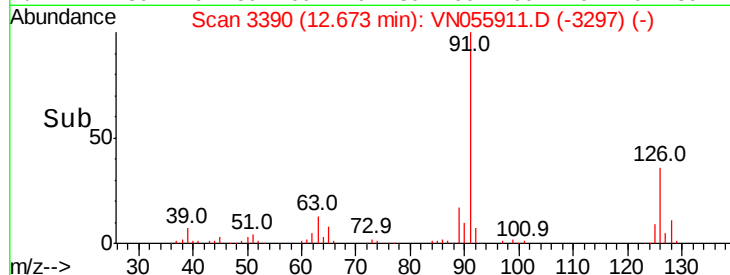
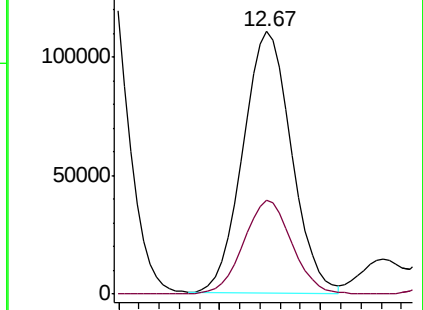
91 100

126 35.8 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.186 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055911.D

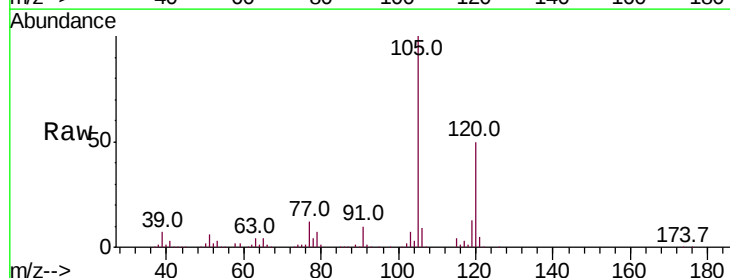
Acq: 31 May 2019 11:47

Tgt Ion:105 Resp: 231713

Ion Ratio Lower Upper

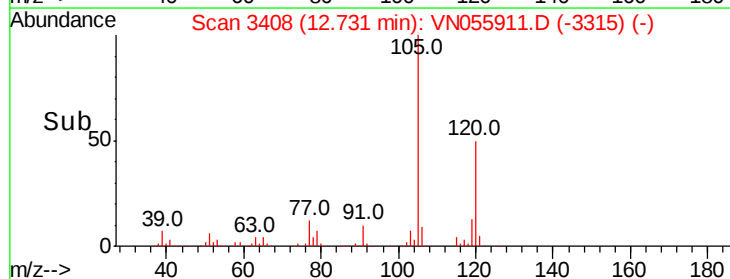
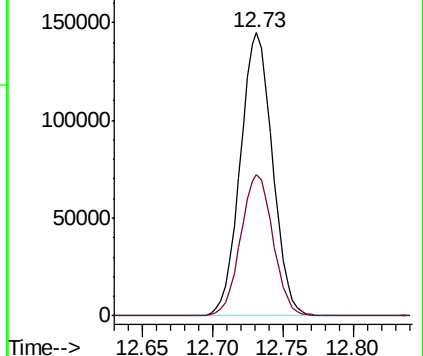
105 100

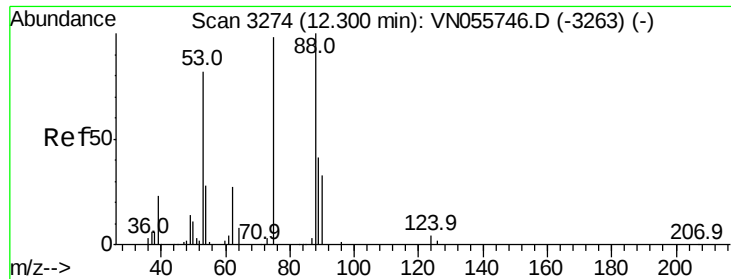
120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

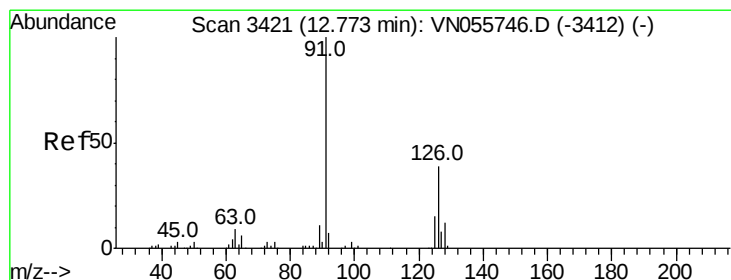
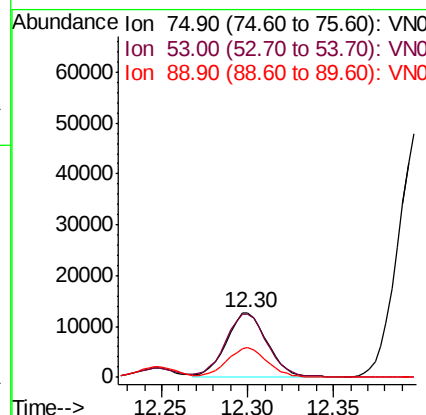
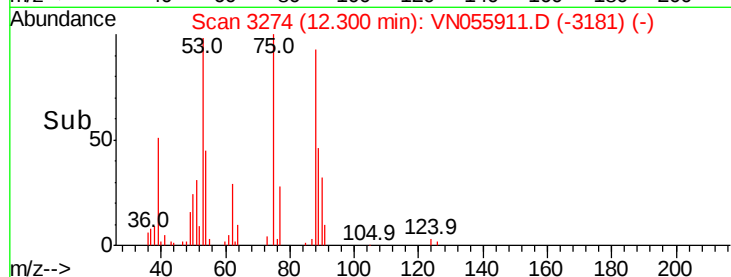
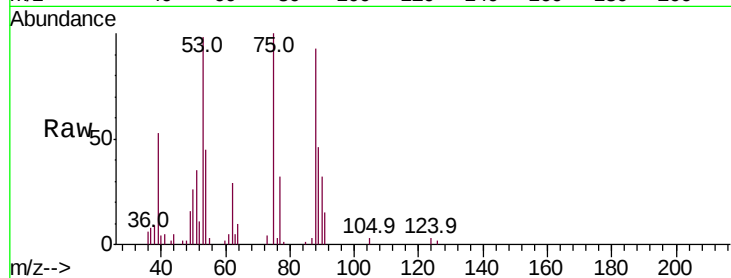




#81
trans-1,4-Dichloro-2-butene
Concen: 18.150 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

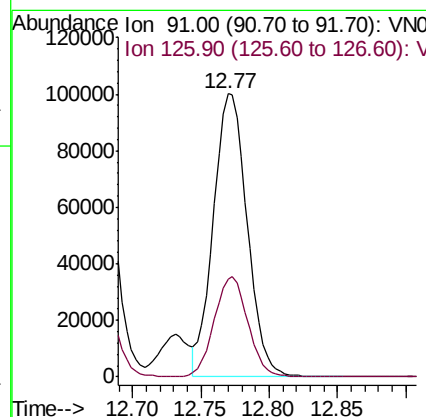
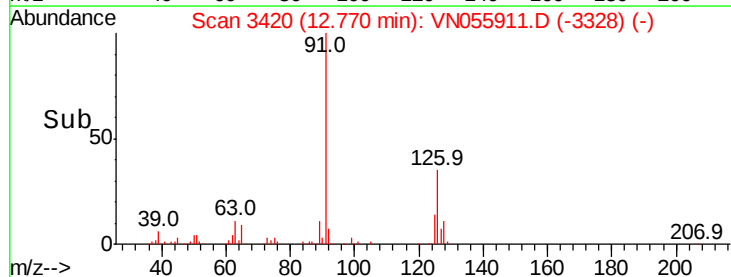
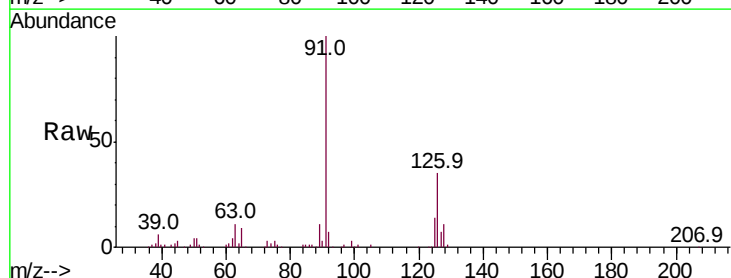
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

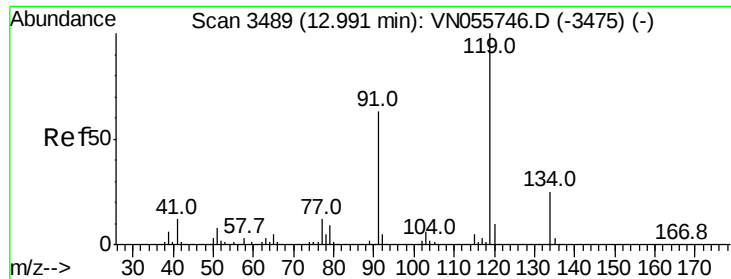
Tot Ion: 75 Resp: 21256
Ion Ratio Lower Upper
75 100
53 100.4 68.1 102.1
89 44.2 36.9 55.3



#82
4-Chlorotoluene
Concen: 21.462 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 91 Resp: 172781
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.3

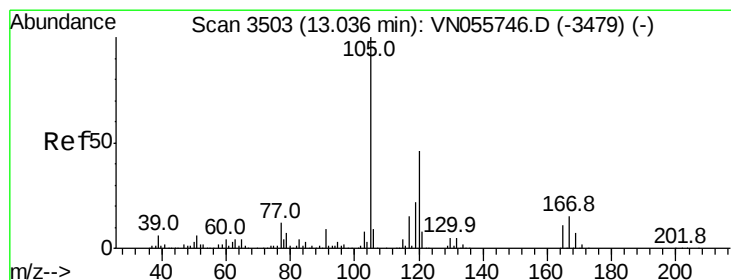
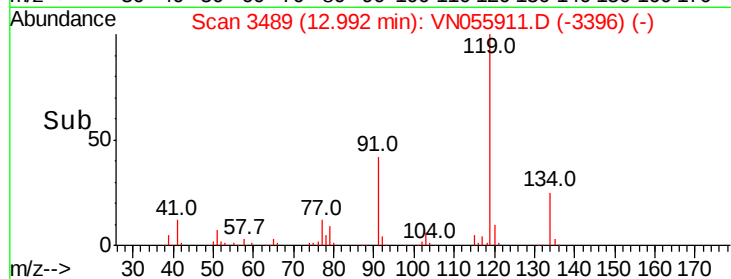
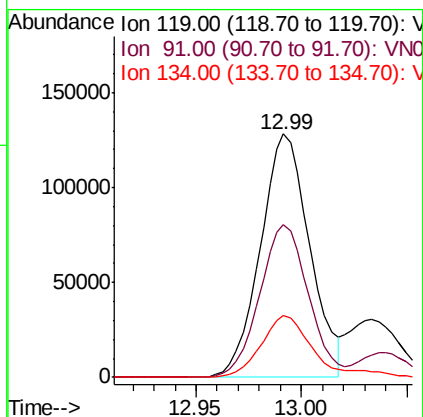
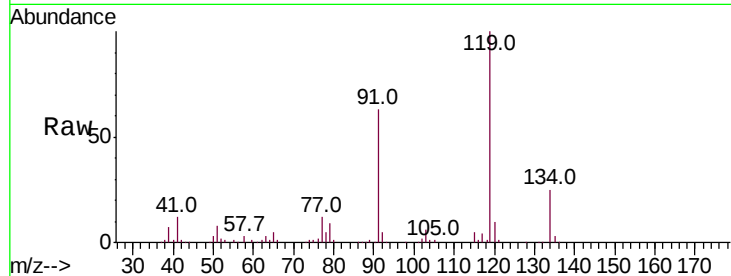




#83
 tert-Butylbenzene
 Concen: 24.016 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

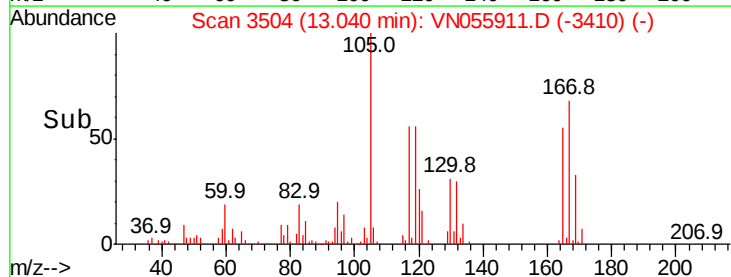
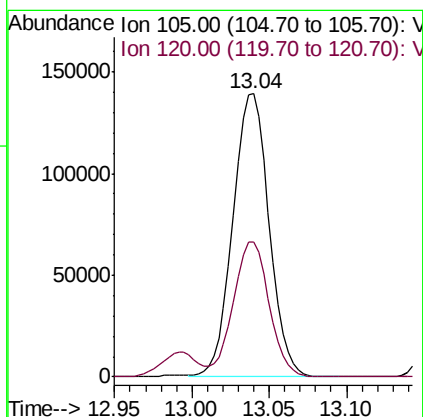
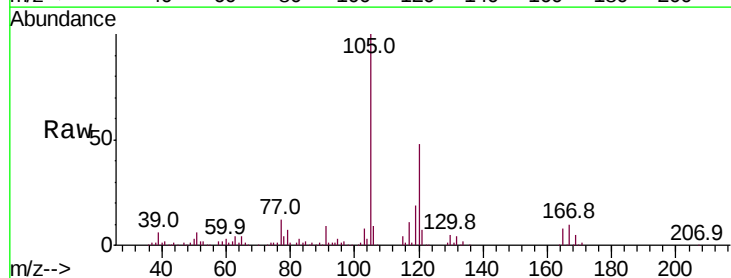
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

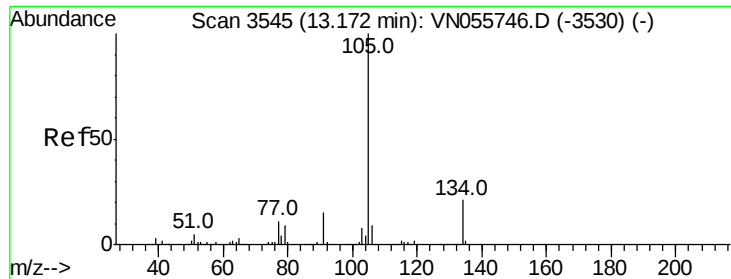
Tot Ion:119 Resp: 208688
 Ion Ratio Lower Upper
 119 100
 91 62.1 30.9 92.8
 134 26.9 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.652 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion:105 Resp: 225429
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 23.540 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

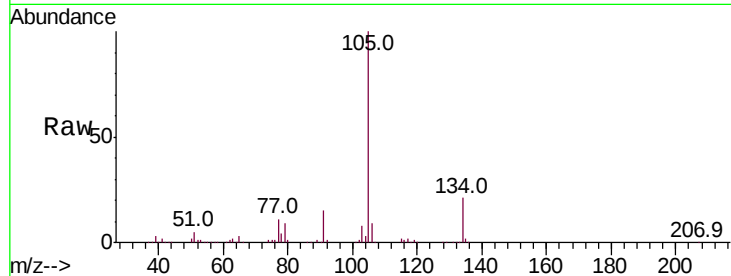
VN0531WBS01

Tot Ion:105 Resp: 262957

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

150000

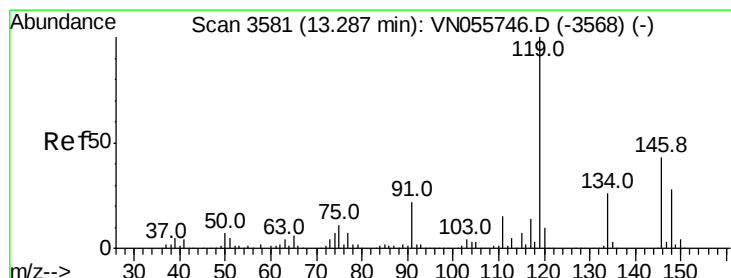
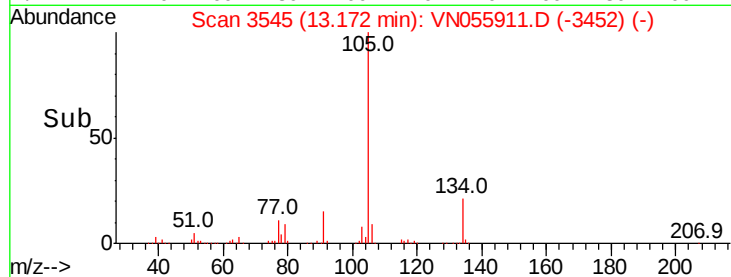
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.326 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

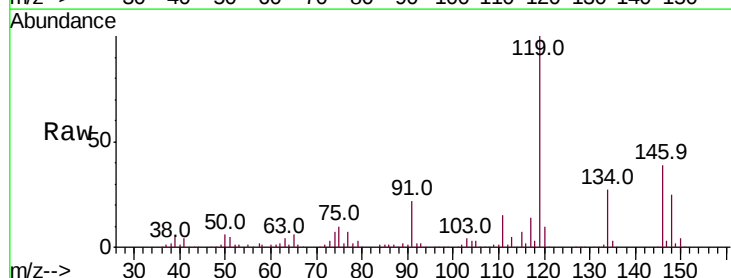
Tgt Ion:119 Resp: 233376

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.8 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

150000

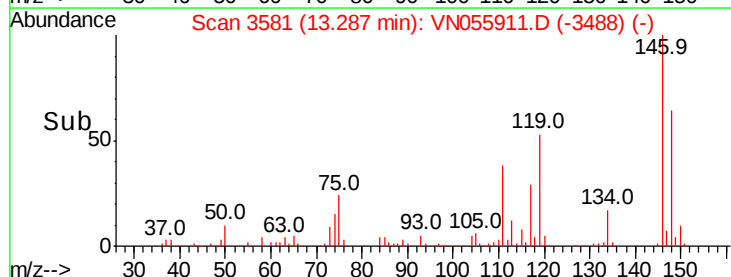
100000

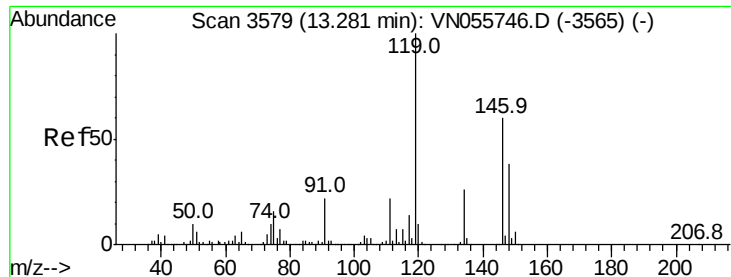
50000

0

Time-->

13.20 13.25 13.30 13.35

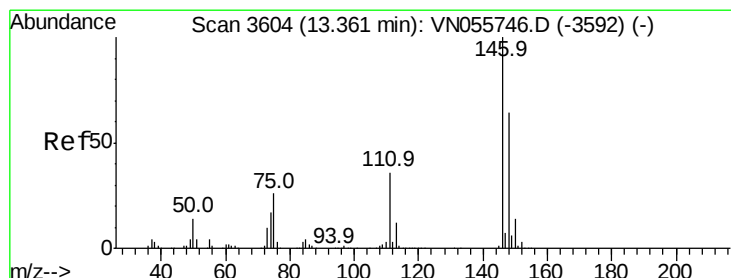
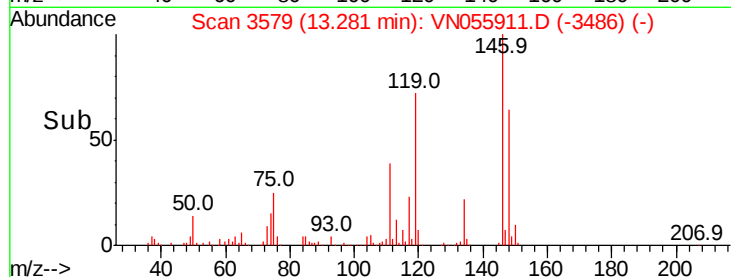
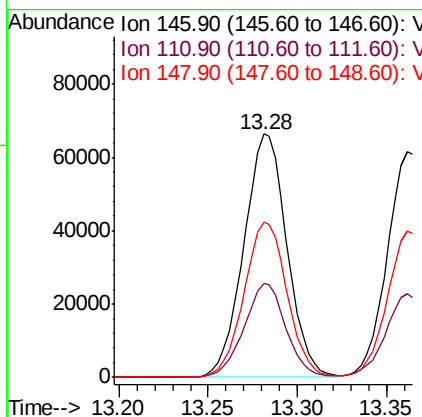
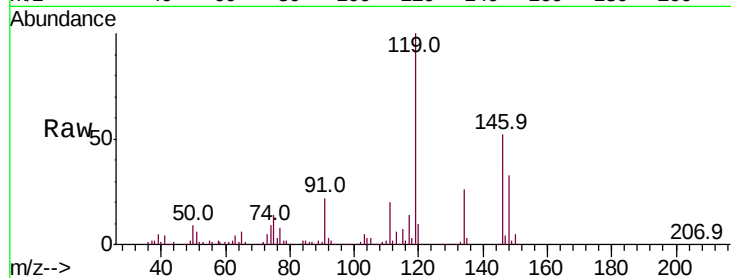




#87
 1,3-Dichlorobenzene
 Concen: 20.988 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

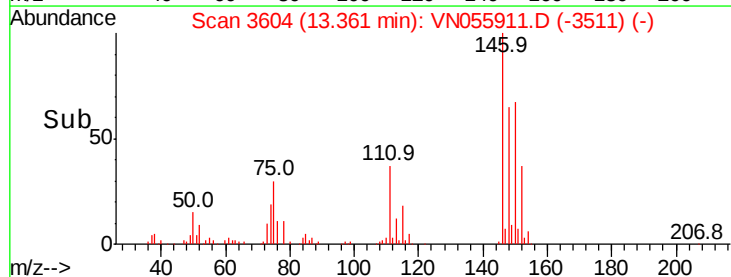
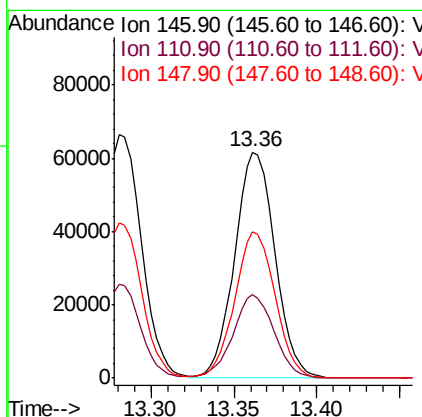
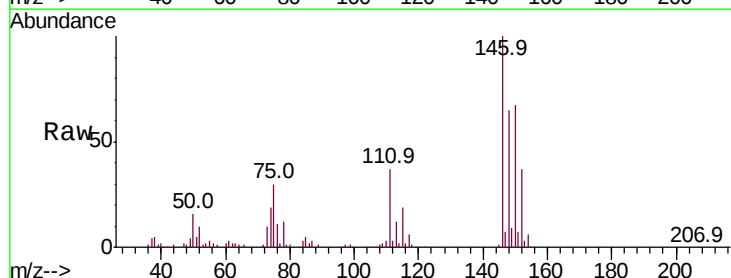
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

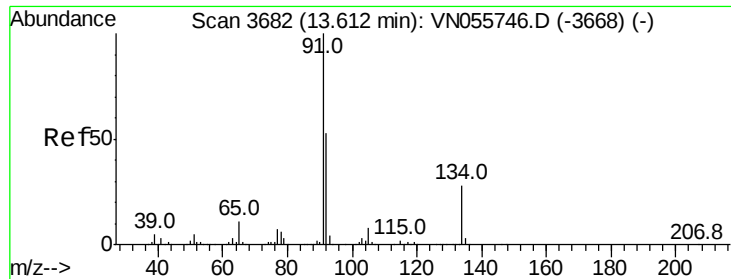
Tot Ion:146 Resp: 111749
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.5 55.5
 148 63.7 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.648 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion:146 Resp: 104521
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.1 54.4
 148 64.9 32.1 96.5

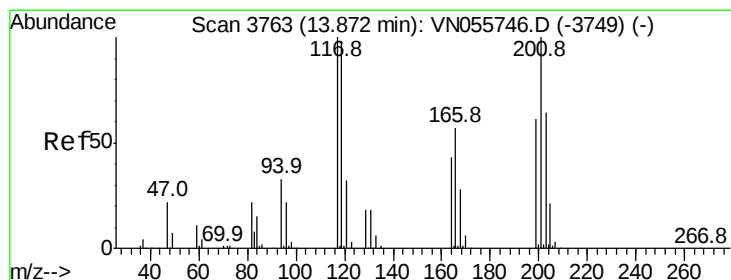
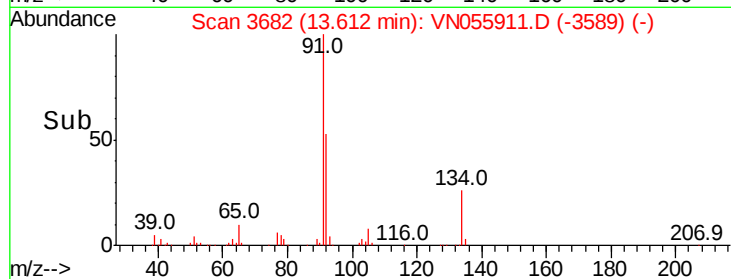
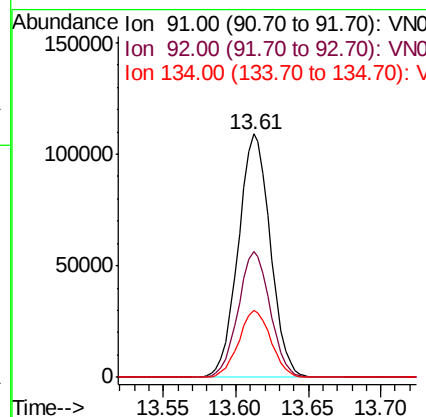
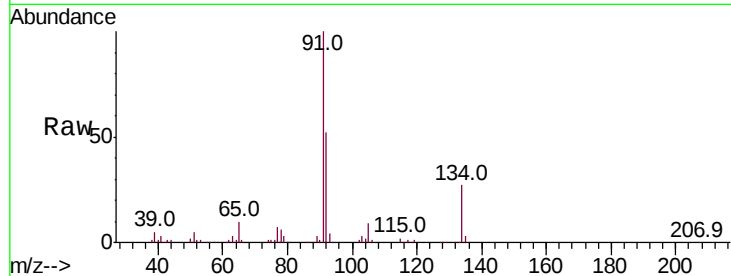




#89
n-Butylbenzene
Concen: 19.928 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

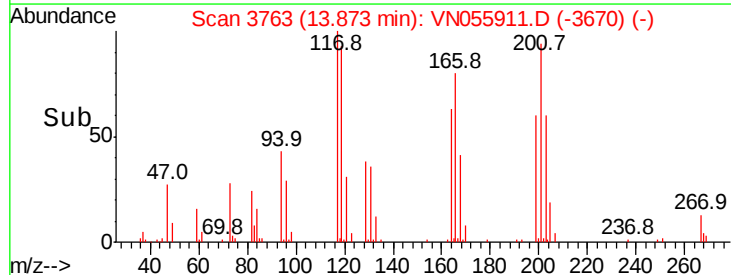
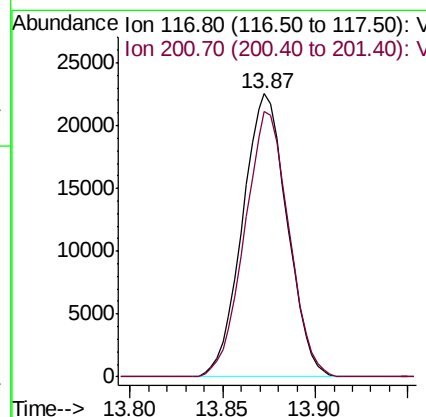
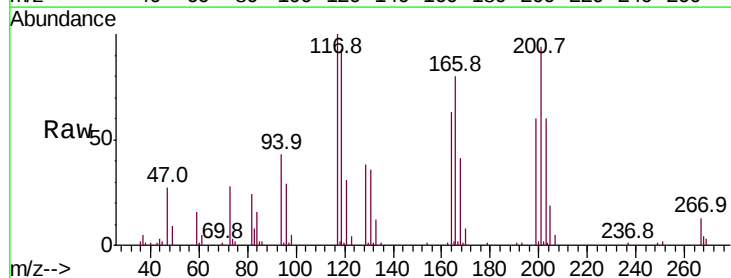
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

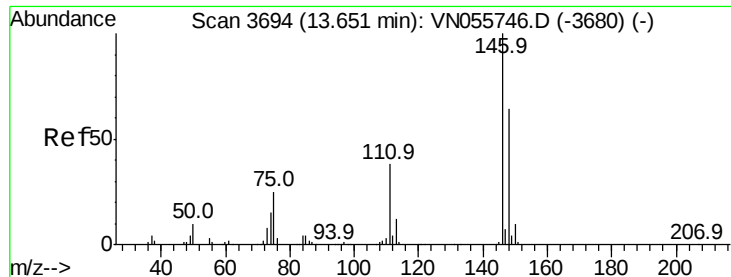
Tot Ion: 91 Resp: 167091
Ion Ratio Lower Upper
91 100
92 51.3 26.4 79.0
134 27.7 13.9 41.7



#90
Hexachloroethane
Concen: 18.075 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 117 Resp: 37648
Ion Ratio Lower Upper
117 100
201 93.0 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 21.514 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

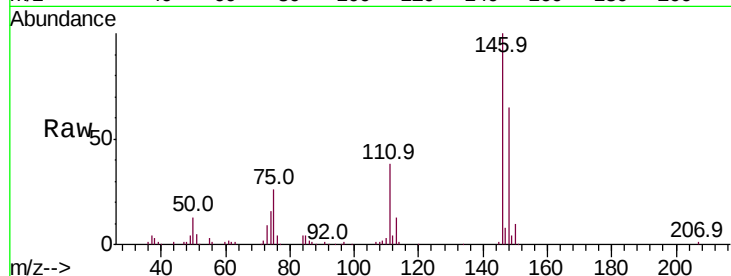
Tot Ion:146 Resp: 114283

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.5

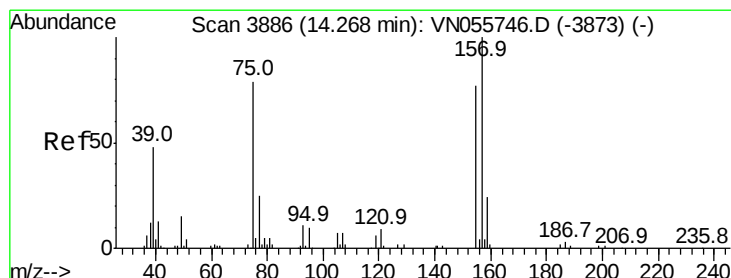
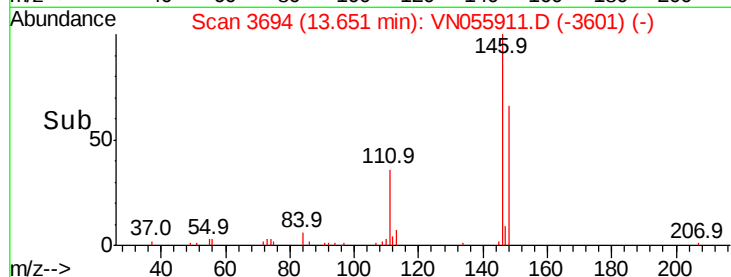
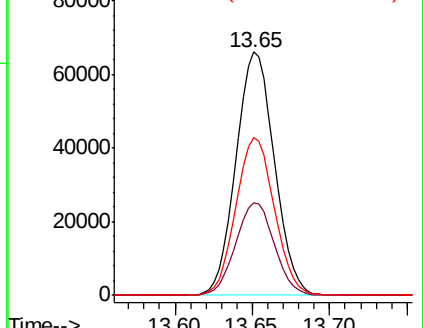
148 65.0 31.9 95.9



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: 18.891 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

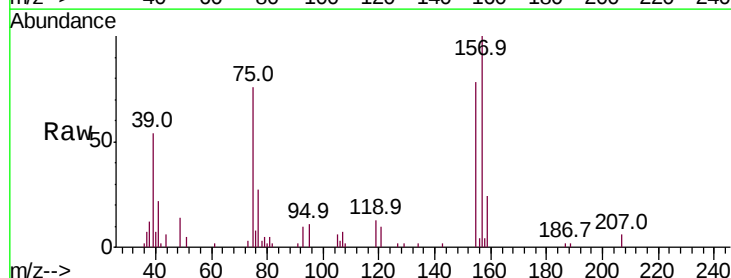
Tgt Ion: 75 Resp: 13190

Ion Ratio Lower Upper

75 100

155 104.0 50.0 150.1

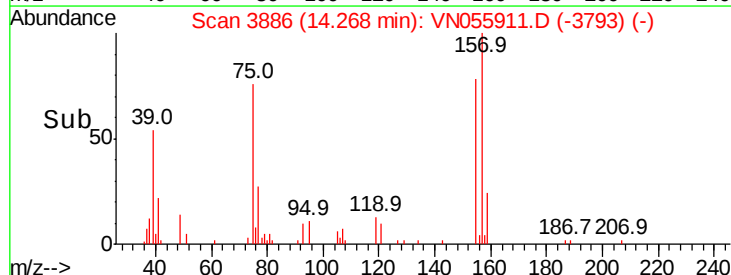
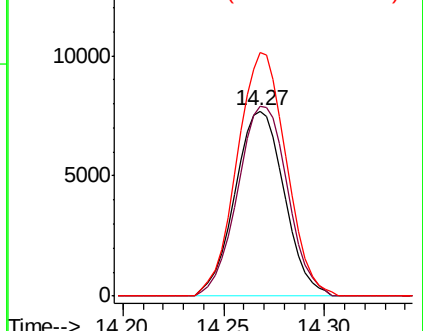
157 131.0 64.8 194.3

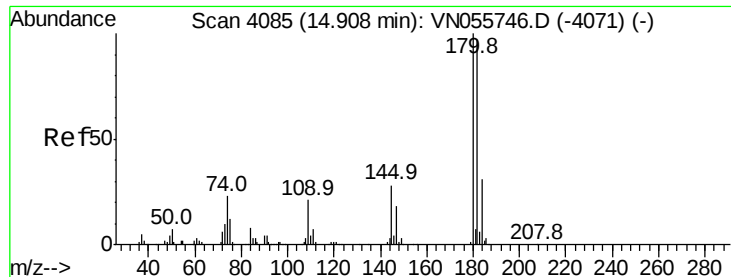


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

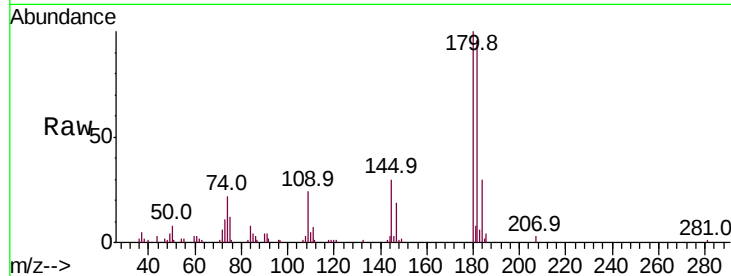




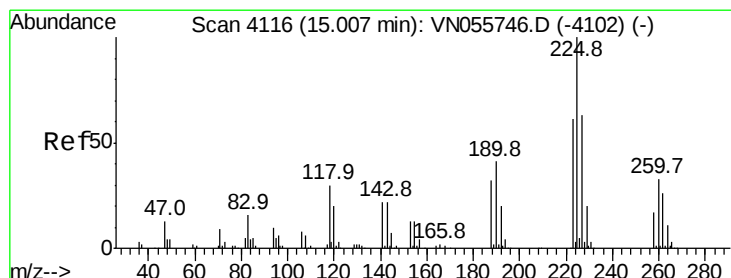
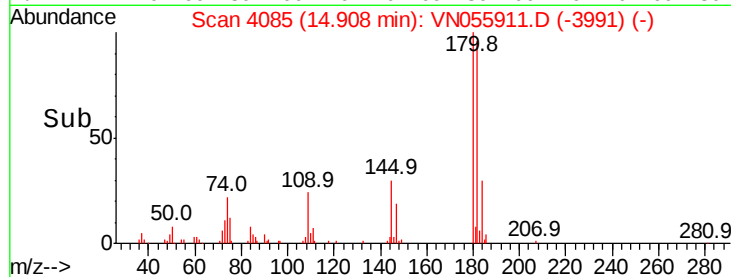
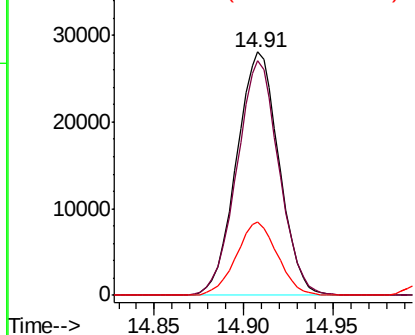
#93
 1,2,4-Trichlorobenzene
 Concen: 17.783 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Tot Ion:180 Resp: 46627
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.3 144.9
 145 29.2 14.0 41.9

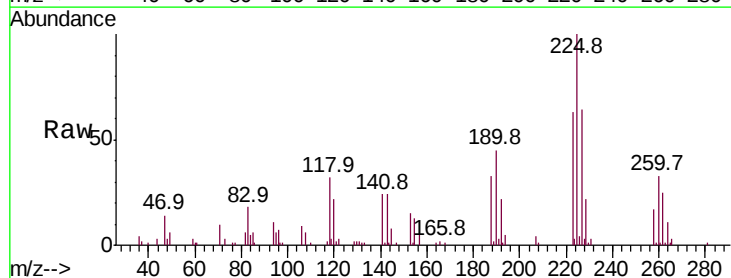


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

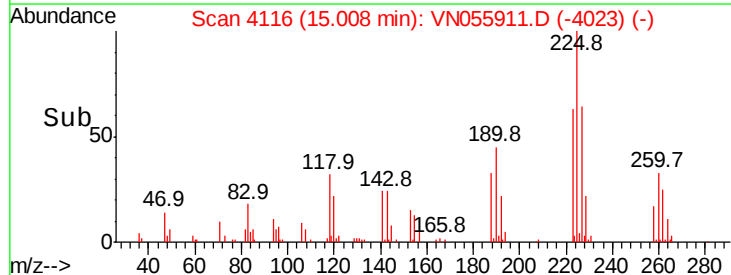
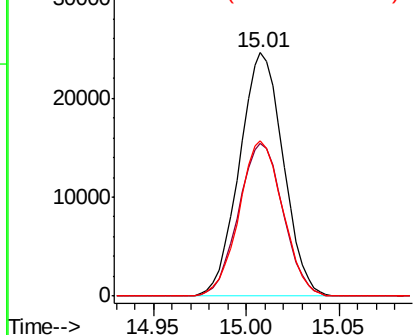


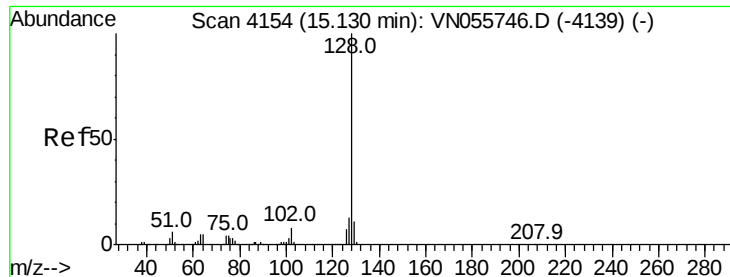
#94
 Hexachlorobutadiene
 Concen: 20.491 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion:225 Resp: 40323
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.9 92.7
 227 63.4 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: 18.436 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

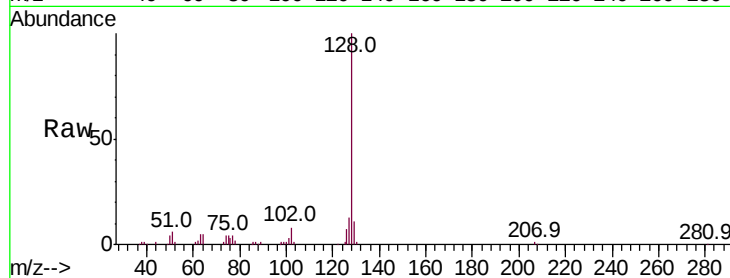
Tot Ion:128 Resp: 134388

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

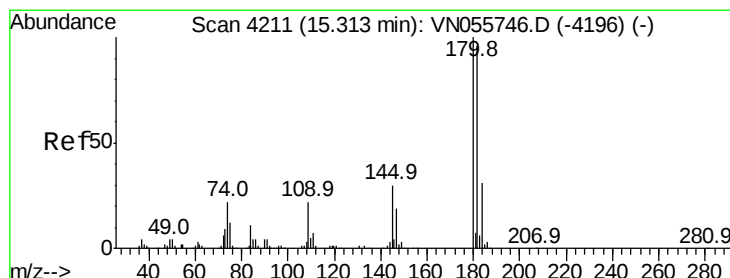
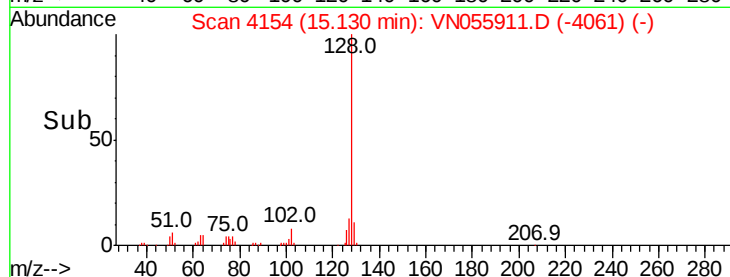
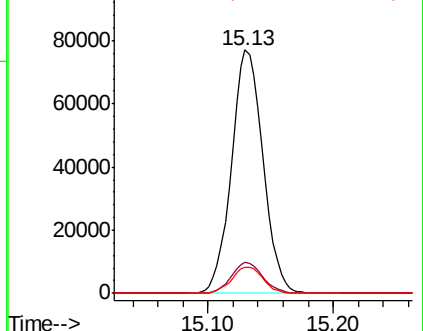
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.455 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

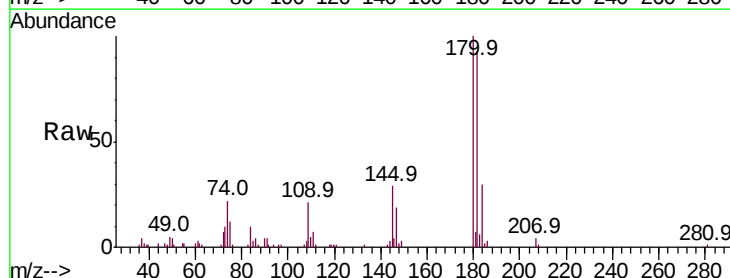
Tgt Ion:180 Resp: 54631

Ion Ratio Lower Upper

180 100

182 93.7 47.9 143.7

145 29.7 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

