

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055804.D
 Acq On : 24 May 2019 18:38
 Operator : JC/SP
 Sample : VN0524WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

Quant Time: May 25 04:29:57 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	357642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	465729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194576	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	183859	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.59	113	167194	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.09	98	631428	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.40	95	212473	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	43526	18.083	ug/l	97
3) Chloromethane	2.06	50	64580	19.150	ug/l	100
4) Vinyl Chloride	2.18	62	70265	19.535	ug/l	99
5) Bromomethane	2.54	94	49712	22.091	ug/l	98
6) Chloroethane	2.69	64	44556	20.574	ug/l	99
7) Trichlorofluoromethane	3.01	101	92628	19.642	ug/l	99
8) Diethyl Ether	3.40	74	42385	20.053	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56712	19.265	ug/l	99
10) Methyl Iodide	3.94	142	88123	20.476	ug/l	100
11) Tert butyl alcohol	4.82	59	70027	99.231	ug/l	99
12) 1,1-Dichloroethene	3.72	96	59786	19.656	ug/l	96
13) Acrolein	3.60	56	42053	83.223	ug/l	96
14) Allyl chloride	4.31	41	96494	18.506	ug/l	99
15) Acrylonitrile	4.99	53	163857	101.118	ug/l	100
16) Acetone	3.82	43	131977	81.289	ug/l	99
17) Carbon Disulfide	4.04	76	154731	17.905	ug/l	100
18) Methyl Acetate	4.33	43	70827	20.718	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	203586	20.069	ug/l	98
20) Methylene Chloride	4.54	84	70439	20.033	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	64363	19.697	ug/l	96
22) Diisopropyl ether	5.96	45	198818	19.604	ug/l	98
23) Vinyl Acetate	5.90	43	844324	97.102	ug/l	99
24) 1,1-Dichloroethane	5.84	63	115294	19.526	ug/l	98
25) 2-Butanone	6.84	43	213405	94.118	ug/l	99
26) 2,2-Dichloropropane	6.82	77	80318	15.717	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	76140	19.972	ug/l	97
28) Bromochloromethane	7.19	49	58124	20.675	ug/l	96
29) Tetrahydrofuran	7.22	42	145347	101.224	ug/l	99
30) Chloroform	7.37	83	116817	19.837	ug/l	100
31) Cyclohexane	7.65	56	105633	19.055	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	102373	19.482	ug/l	99
36) 1,1-Dichloropropene	7.79	75	86807	18.866	ug/l	99
37) Ethyl Acetate	6.93	43	88449	19.889	ug/l	100
38) Carbon Tetrachloride	7.77	117	89801	18.736	ug/l	96

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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	103498	18.164	ug/l	97
40) Benzene	8.04	78	273659	19.734	ug/l	100
41) Methacrylonitrile	7.18	41	40027	17.816	ug/l	97
42) 1,2-Dichloroethane	8.12	62	89318	19.711	ug/l	100
43) Isopropyl Acetate	8.17	43	143239	19.170	ug/l #	91
44) Trichloroethene	8.83	130	77261	19.985	ug/l	98
45) 1,2-Dichloropropane	9.12	63	70104	19.403	ug/l	99
46) Dibromomethane	9.21	93	47480	20.038	ug/l	97
47) Bromodichloromethane	9.40	83	92409	19.019	ug/l	99
48) Methyl methacrylate	9.20	41	69023	20.043	ug/l	97
49) 1,4-Dioxane	9.20	88	27623	385.996	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	435313	98.643	ug/l	99
52) Toluene	10.16	92	173711	19.917	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	93349	17.999	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	107069	18.635	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	69080	19.771	ug/l	98
56) Ethyl methacrylate	10.43	69	105554	19.547	ug/l	98
57) 1,3-Dichloropropane	10.71	76	113072	19.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	187793	91.002	ug/l	99
59) 2-Hexanone	10.75	43	302853	96.739	ug/l	100
60) Dibromochloromethane	10.90	129	77918	19.143	ug/l	100
61) 1,2-Dibromoethane	11.00	107	72690	20.057	ug/l	99
64) Tetrachloroethene	10.63	164	81959	20.865	ug/l	99
65) Chlorobenzene	11.43	112	185071	19.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	70934	19.076	ug/l	98
67) Ethyl Benzene	11.51	91	326244	19.513	ug/l	99
68) m/p-Xylenes	11.62	106	252283	39.913	ug/l	98
69) o-Xylene	11.95	106	125329	19.985	ug/l	99
70) Styrene	11.96	104	199741	19.668	ug/l	100
71) Bromoform	12.13	173	59773	18.846	ug/l #	99
73) Isopropylbenzene	12.25	105	326629	22.111	ug/l	100
74) N-amyl acetate	12.07	43	113915	20.265	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	96993	21.793	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	115748	33.509	ug/l #	100
77) Bromobenzene	12.53	156	85633	20.624	ug/l	97
78) n-propylbenzene	12.59	91	333473	19.719	ug/l	99
79) 2-Chlorotoluene	12.67	91	208145	21.392	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	265517	21.322	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25559	17.674	ug/l	96
82) 4-Chlorotoluene	12.77	91	197415	19.859	ug/l	100
83) tert-Butylbenzene	12.99	119	237030	21.832	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	263044	21.270	ug/l	99
85) sec-Butylbenzene	13.17	105	294907	21.152	ug/l	99
86) p-Isopropyltoluene	13.29	119	268434	19.866	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	131804	20.048	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	124615	19.936	ug/l	99
89) n-Butylbenzene	13.61	91	188265	18.184	ug/l	99
90) Hexachloroethane	13.87	117	48041	18.679	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	133088	20.290	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16613	19.269	ug/l	99

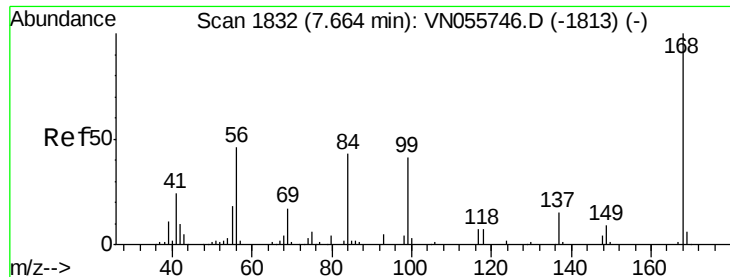
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	59703	18.306	ug/l	100
94) Hexachlorobutadiene	15.01	225	49510	20.365	ug/l	98
95) Naphthalene	15.13	128	164478	18.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	66582	19.203	ug/l	100

(#) = 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: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

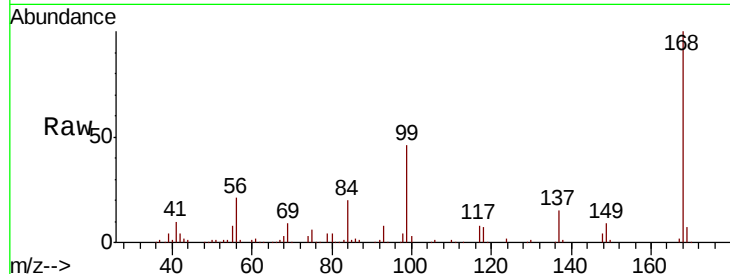
VN0524WBSD02

Tot Ion:168 Resp: 357642

Ion Ratio Lower Upper

168 100

99 45.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

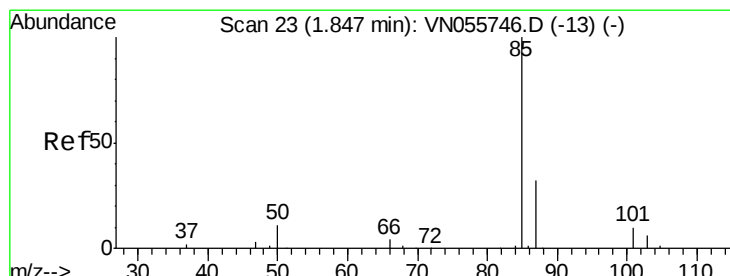
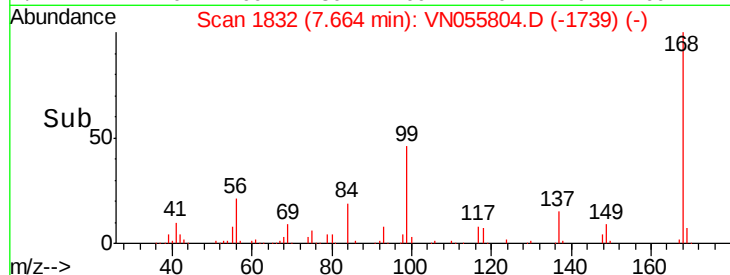
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.083 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055804.D

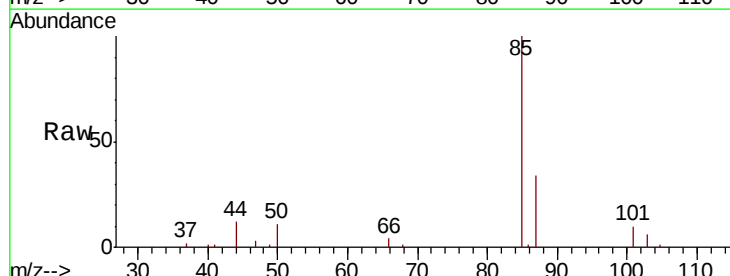
Acq: 24 May 2019 18:38

Tgt Ion: 85 Resp: 43526

Ion Ratio Lower Upper

85 100

87 33.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

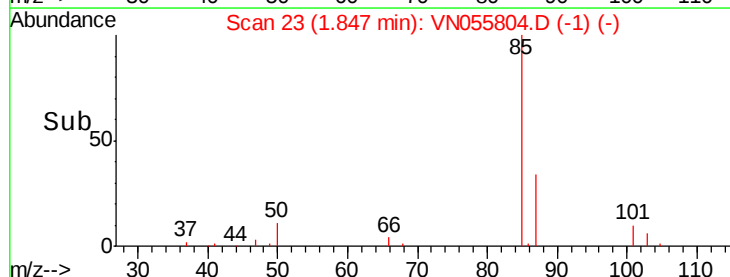
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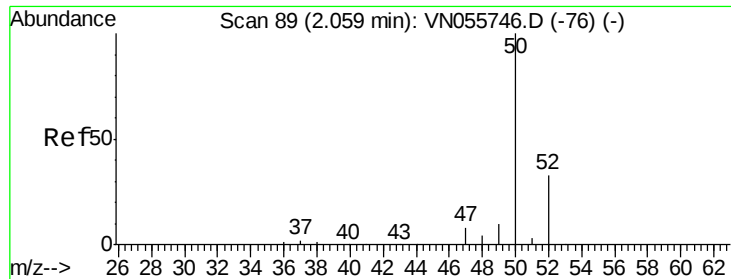
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.150 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

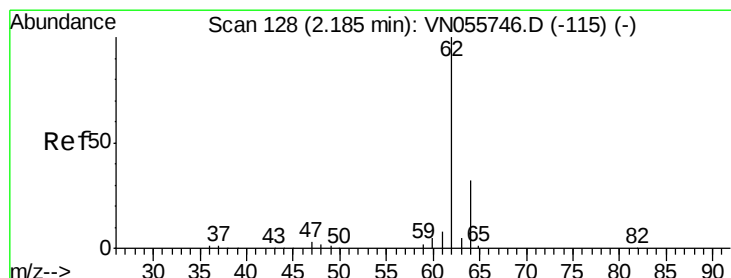
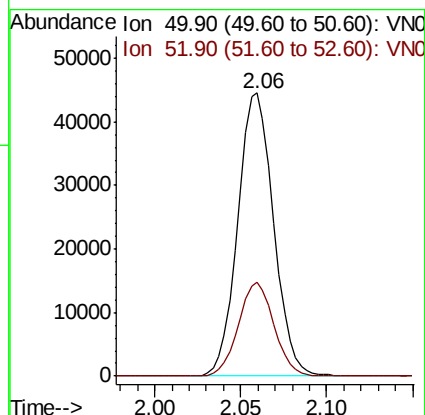
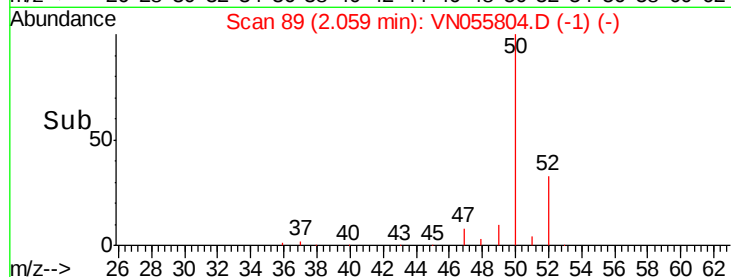
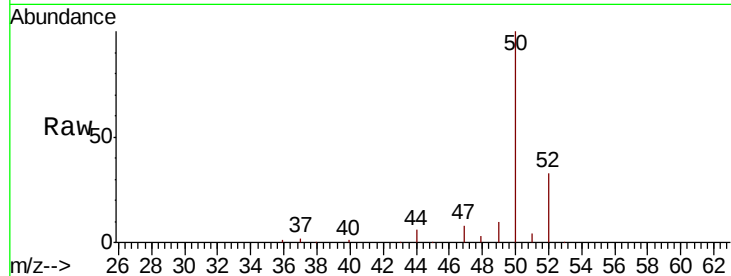
VN0524WBSD02

Tot Ion: 50 Resp: 64580

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0



#4

Vinyl Chloride

Concen: 19.535 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055804.D

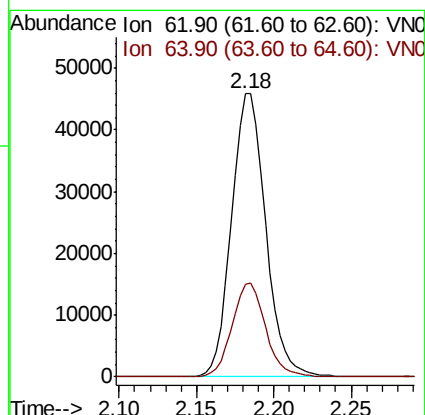
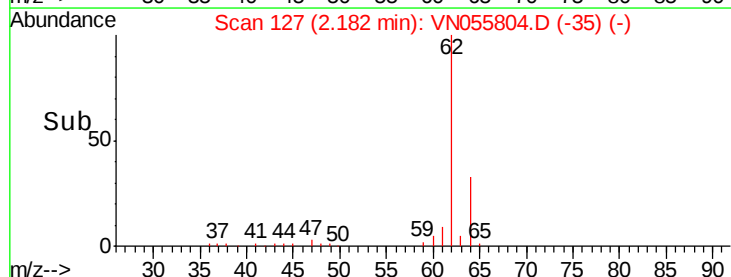
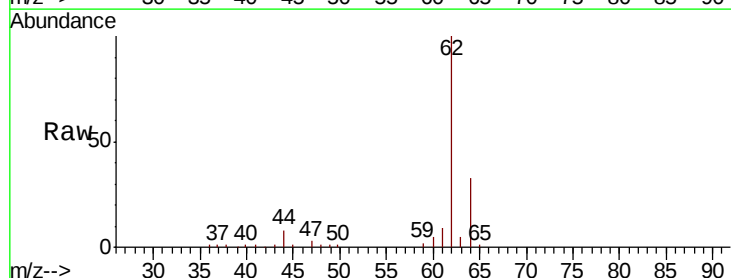
Acq: 24 May 2019 18:38

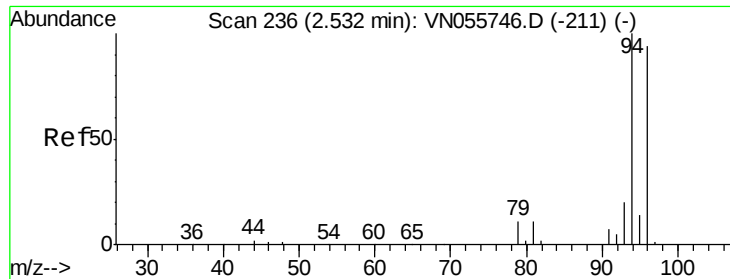
Tgt Ion: 62 Resp: 70265

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 22.091 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

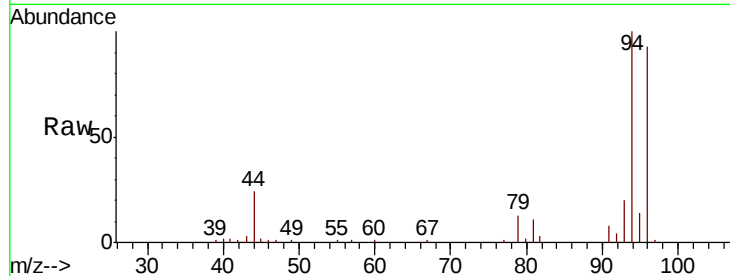
VN0524WBSD02

Tot Ion: 94 Resp: 49712

Ion Ratio Lower Upper

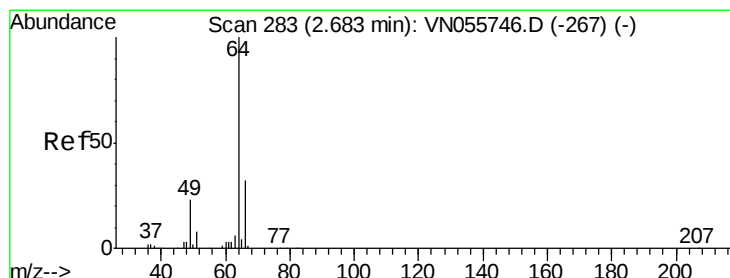
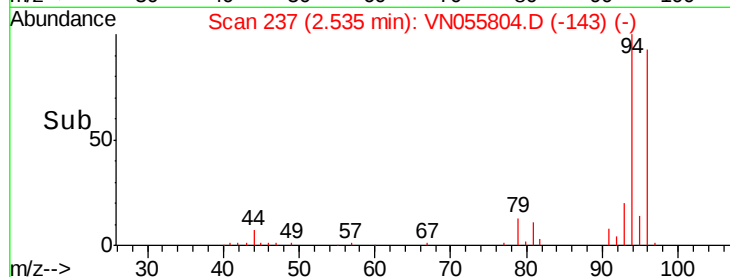
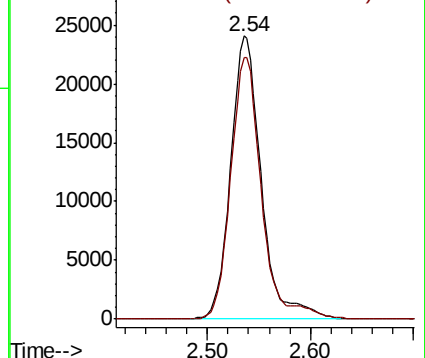
94 100

96 92.5 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.574 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055804.D

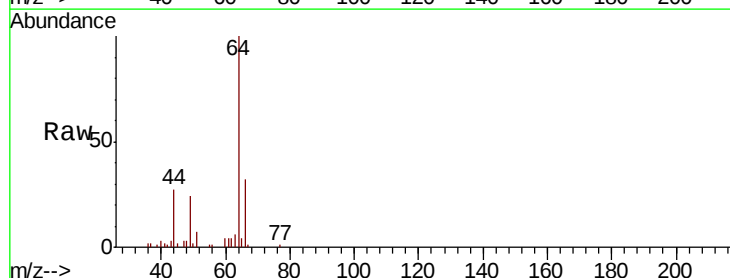
Acq: 24 May 2019 18:38

Tgt Ion: 64 Resp: 44556

Ion Ratio Lower Upper

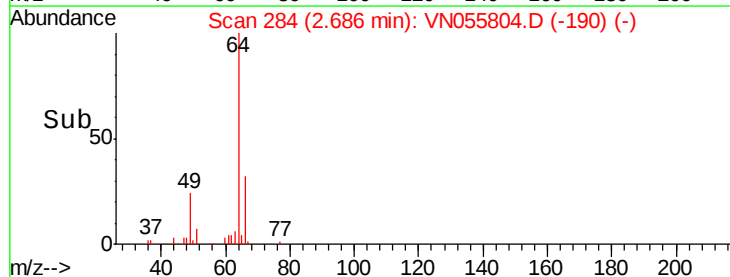
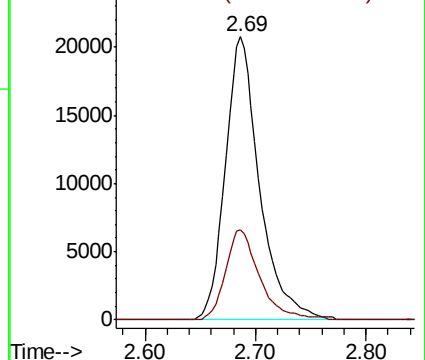
64 100

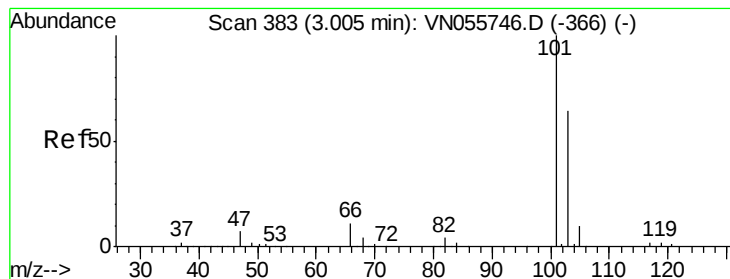
66 32.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



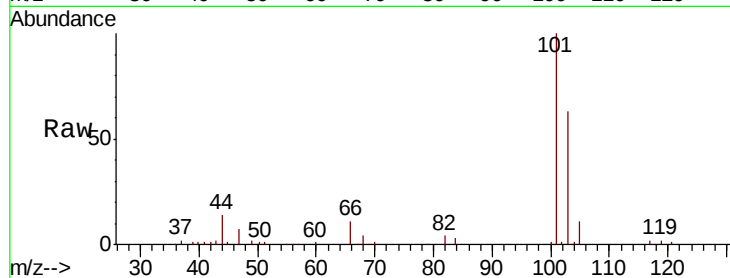


#7

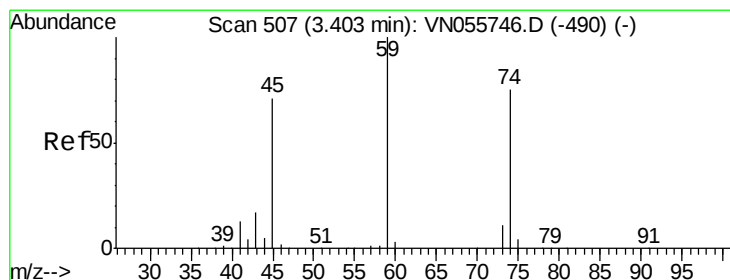
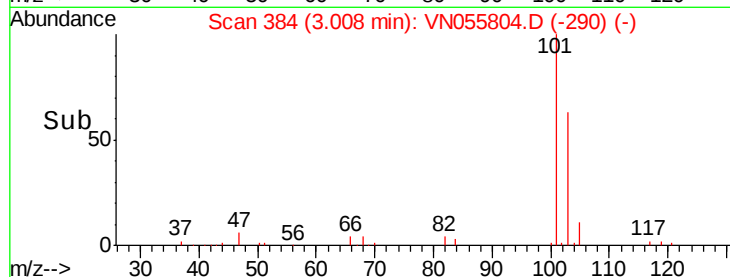
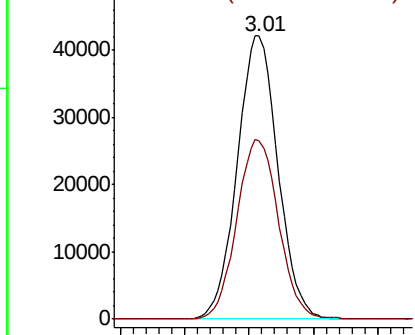
Trichlorofluoromethane
 Concen: 19.642 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Instrument :
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 VN0524WBSD02

Tot Ion:101 Resp: 92628
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.2 76.8



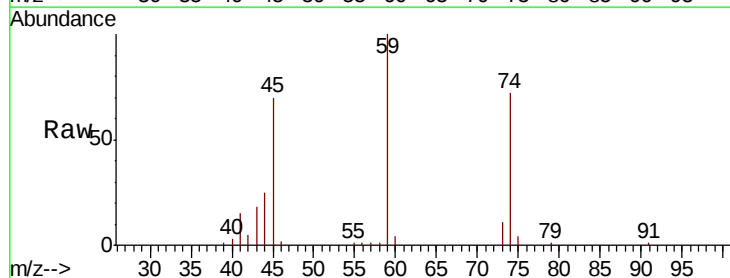
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



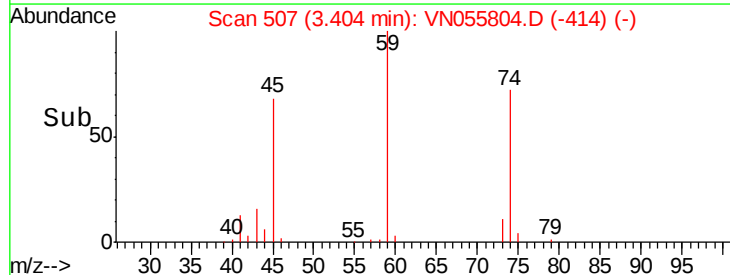
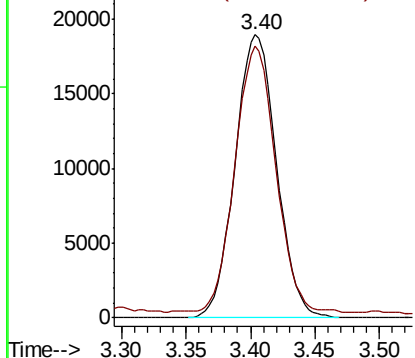
#8

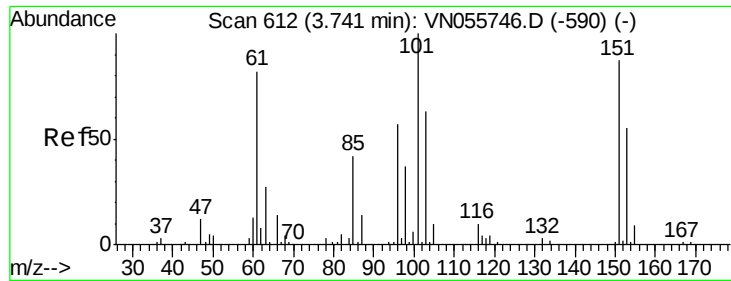
Diethyl Ether
 Concen: 20.053 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion: 74 Resp: 42385
 Ion Ratio Lower Upper
 74 100
 45 91.1 48.6 145.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.265 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

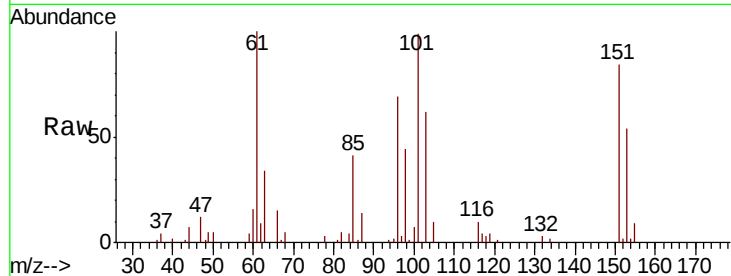
Tot Ion:101 Resp: 56712

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

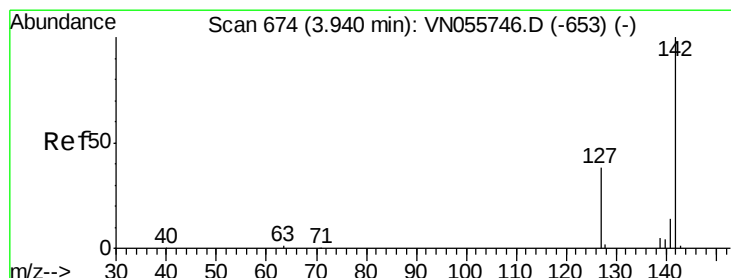
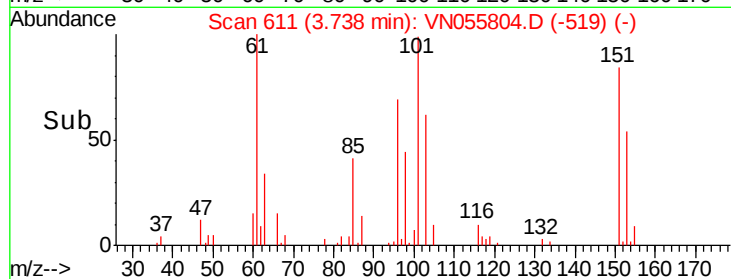
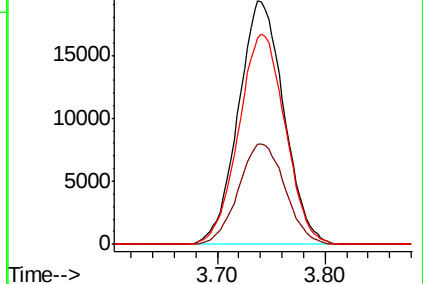
151 87.8 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.476 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

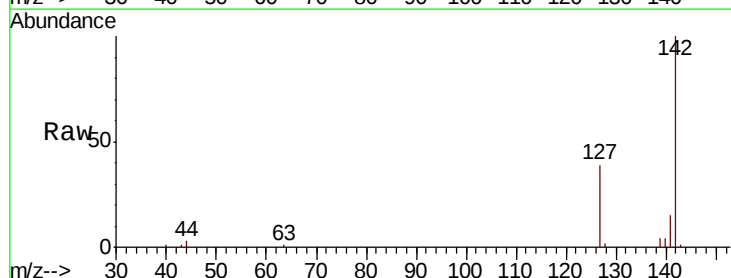
Tgt Ion:142 Resp: 88123

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

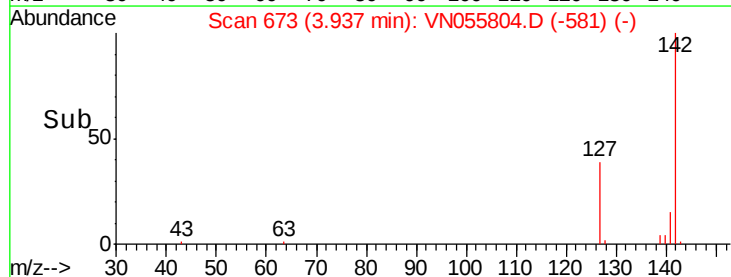
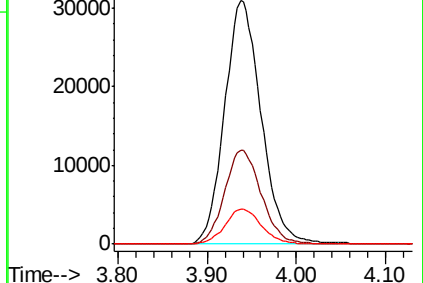
141 14.4 11.4 17.0

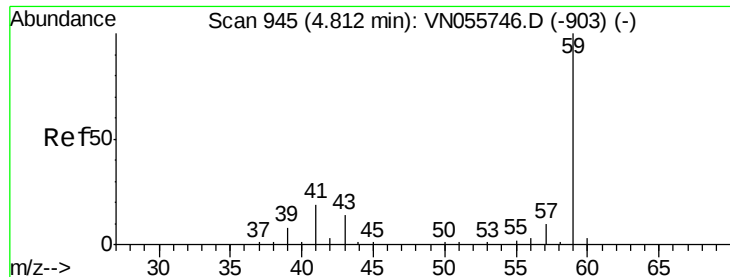


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

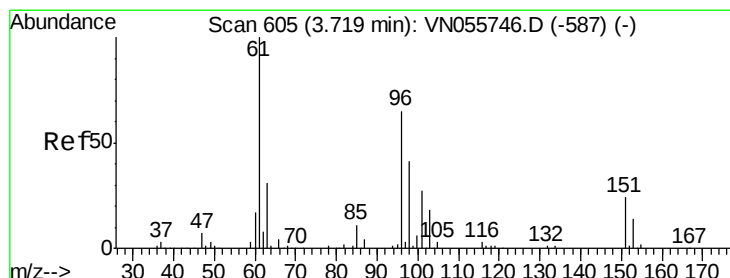
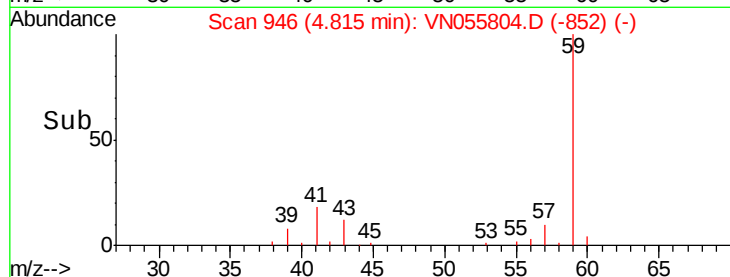
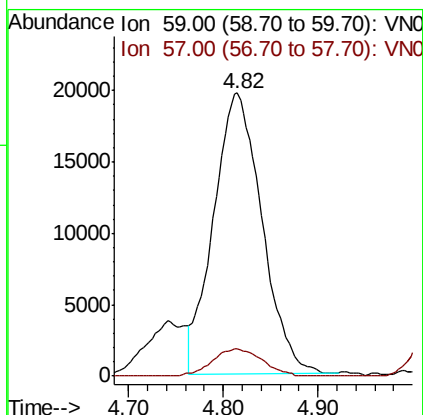
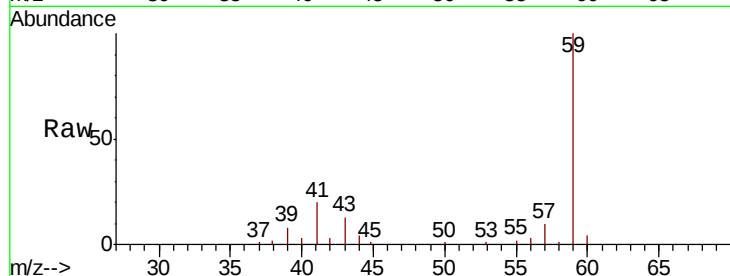




#11
Tert butyl alcohol
Concen: 99.231 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

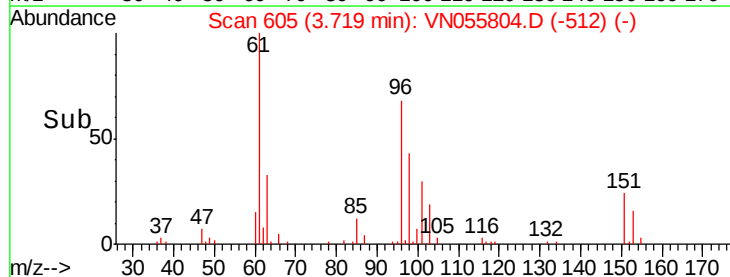
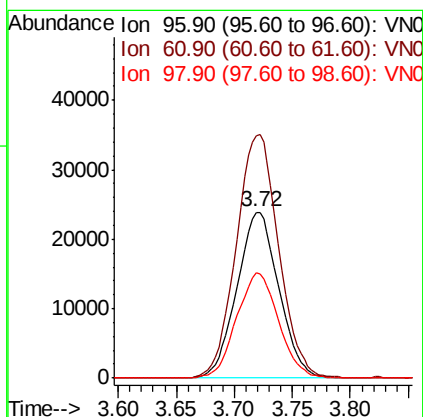
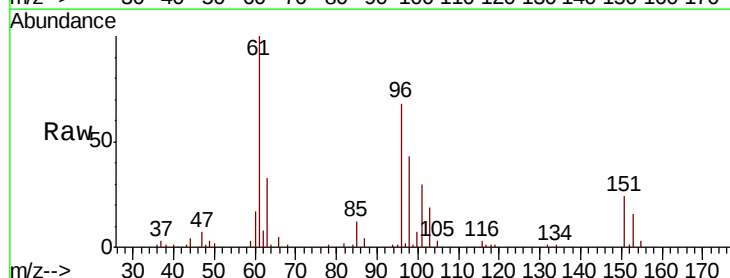
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

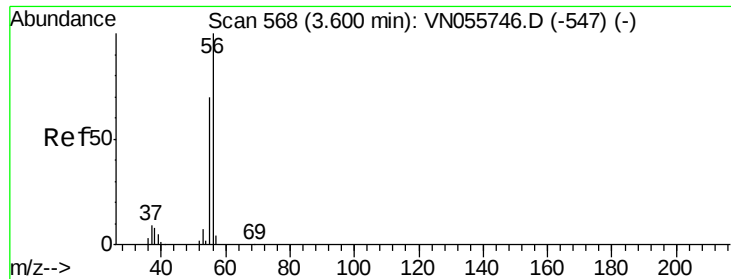
Tot Ion: 59 Resp: 70027
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6



#12
1,1-Dichloroethene
Concen: 19.656 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 96 Resp: 59786
Ion Ratio Lower Upper
96 100
61 146.1 123.2 184.8
98 63.2 50.4 75.6





#13

Acrolein

Concen: 83.223 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

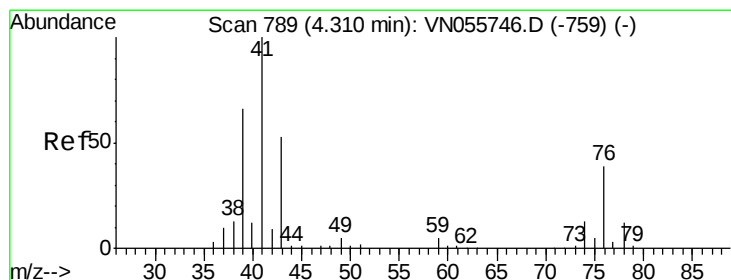
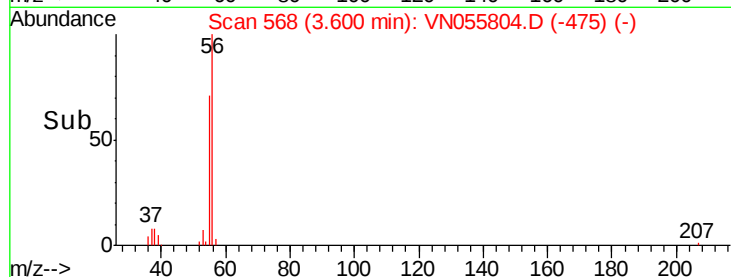
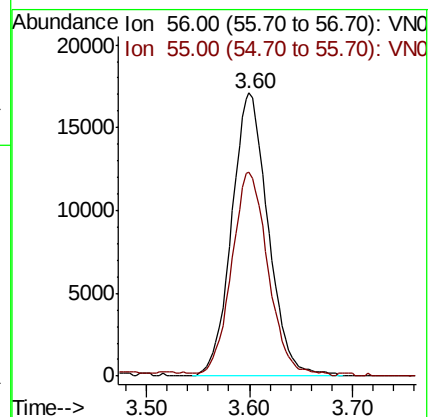
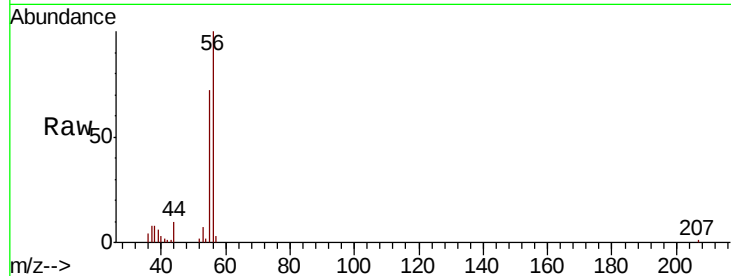
VN0524WBSD02

Tot Ion: 56 Resp: 42053

Ion Ratio Lower Upper

56 100

55 72.6 55.4 83.2



#14

Allyl chloride

Concen: 18.506 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

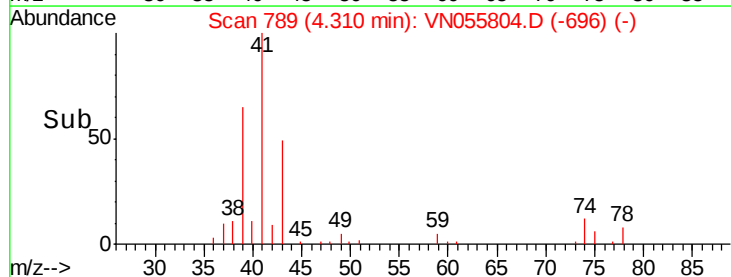
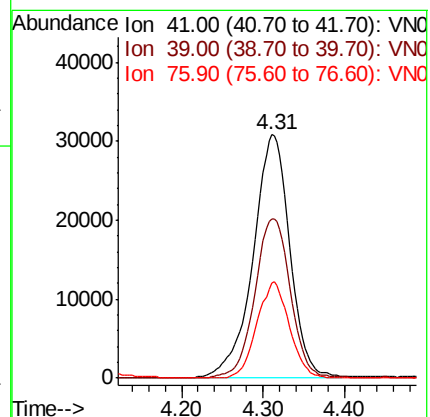
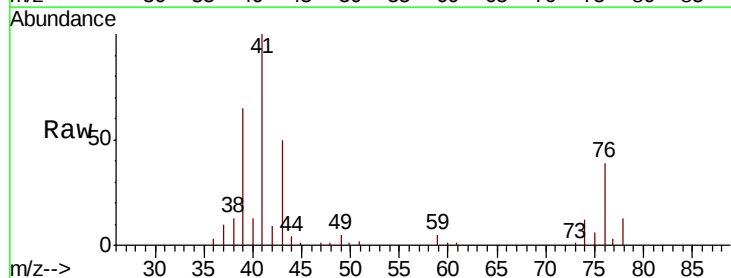
Tgt Ion: 41 Resp: 96494

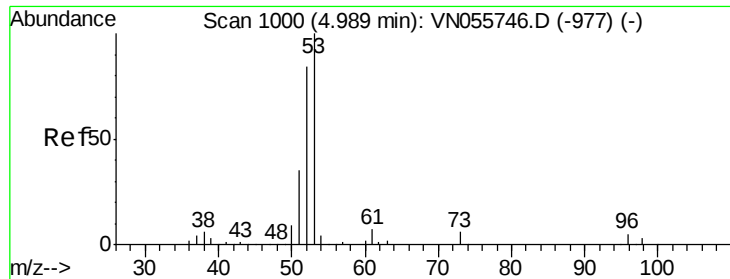
Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

76 34.7 28.2 42.2

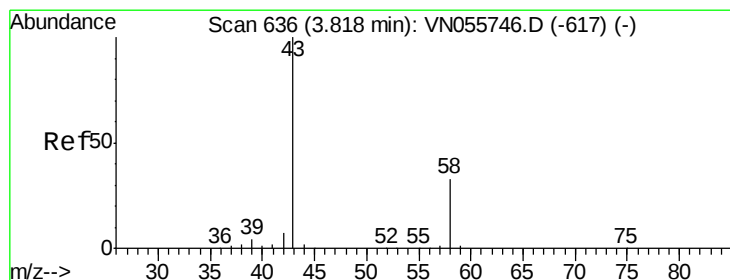
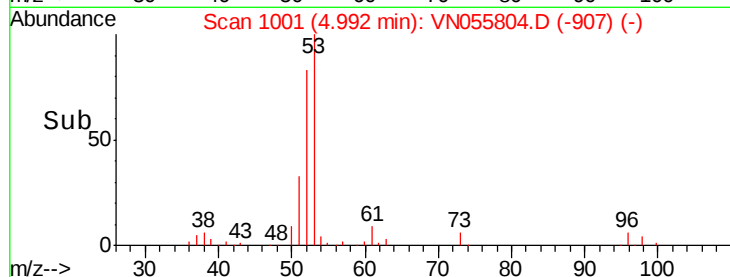
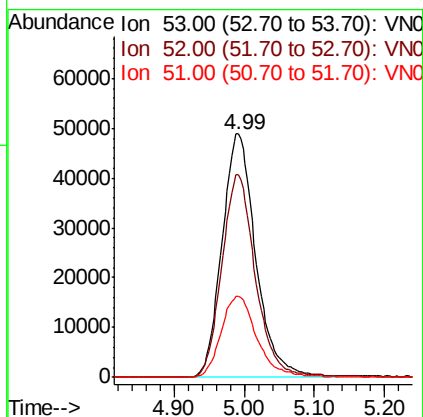
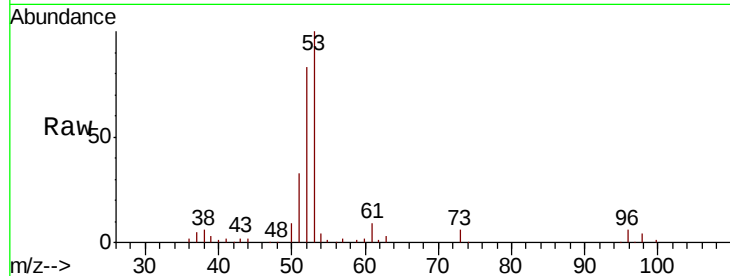




#15
 Acrylonitrile
 Concen: 101.118 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

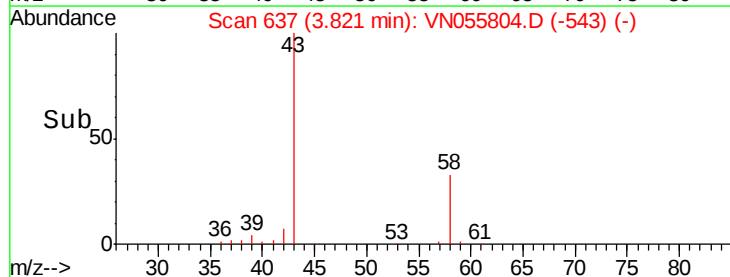
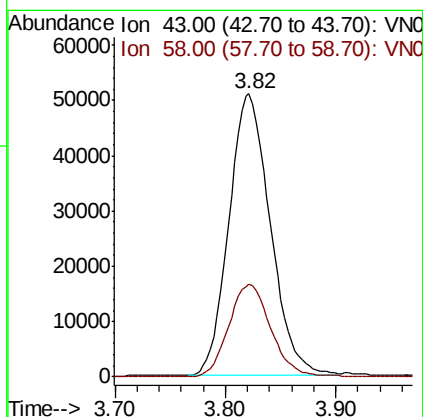
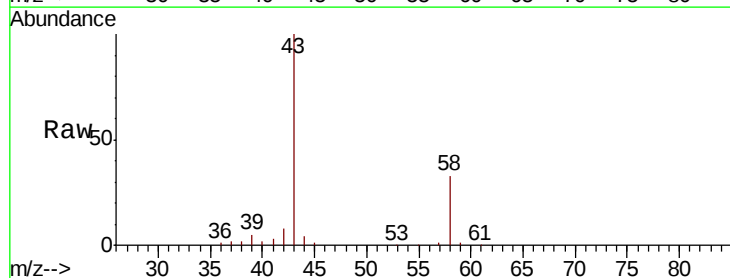
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBSD02

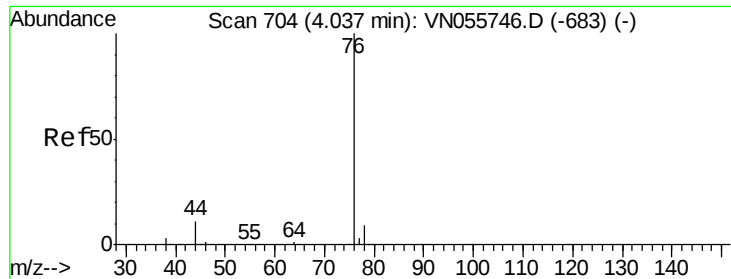
Tot Ion: 53 Resp: 163857
 Ion Ratio Lower Upper
 53 100
 52 82.2 65.8 98.8
 51 35.2 28.2 42.4



#16
 Acetone
 Concen: 81.289 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion: 43 Resp: 131977
 Ion Ratio Lower Upper
 43 100
 58 32.7 26.6 39.8

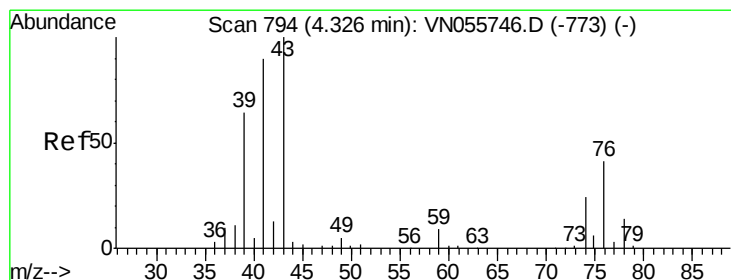
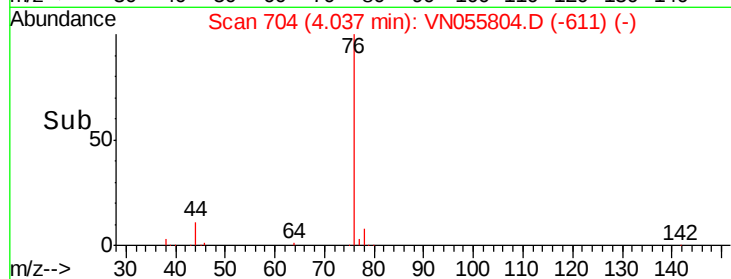
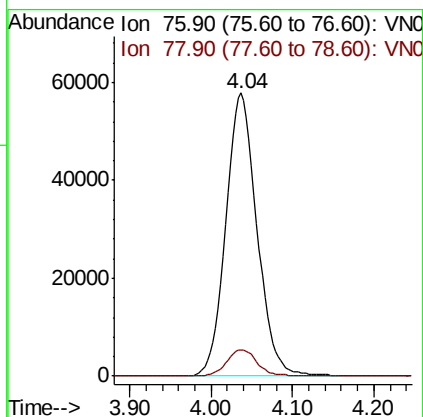
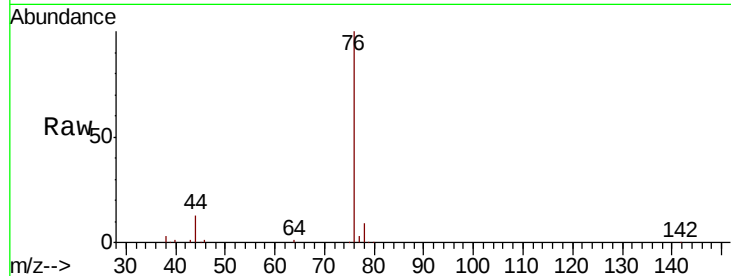




#17
Carbon Disulfide
Concen: 17.905 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

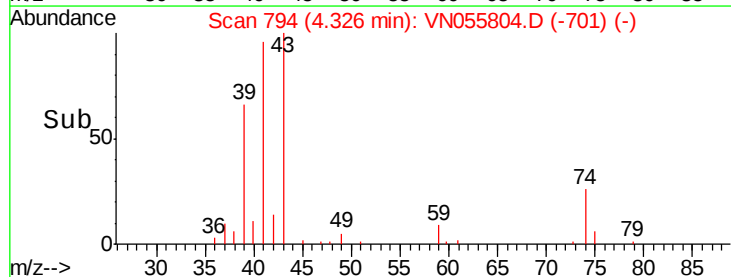
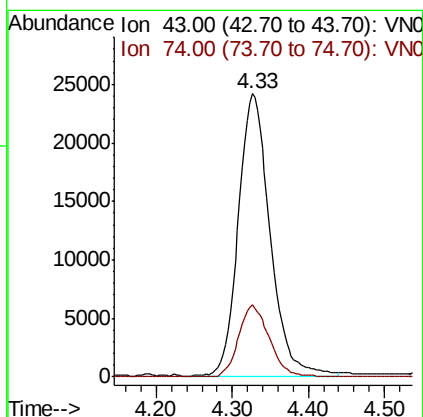
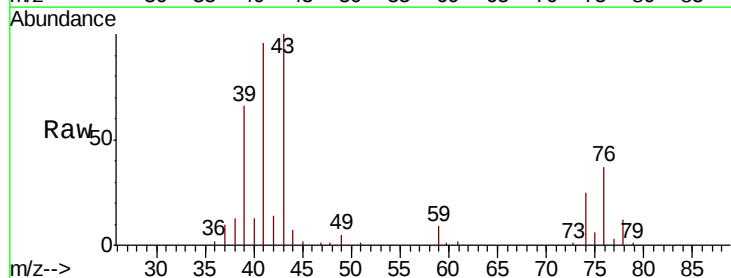
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

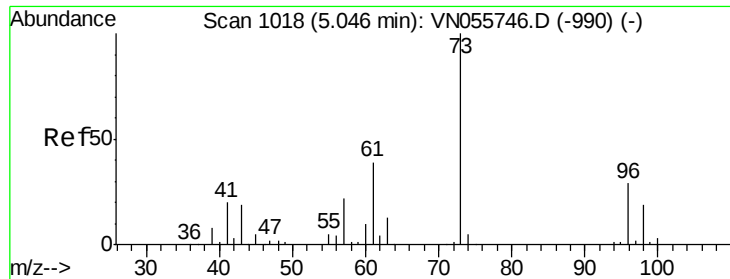
Tot Ion: 76 Resp: 154731
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 20.718 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 43 Resp: 70827
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9

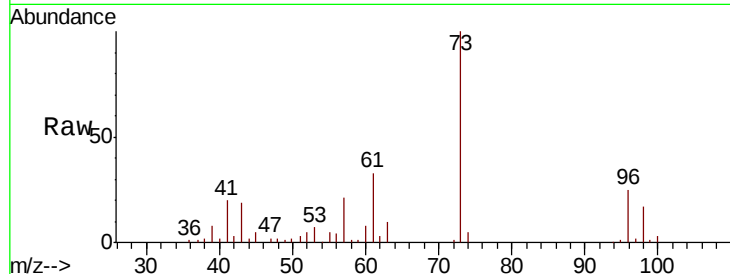




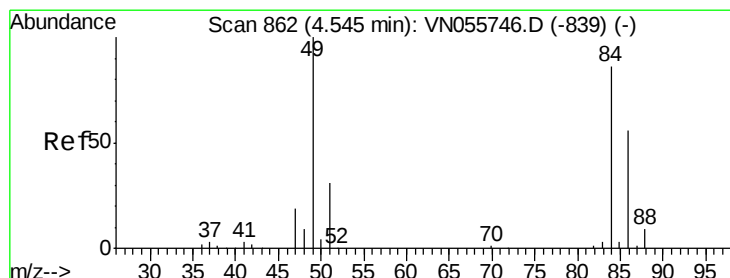
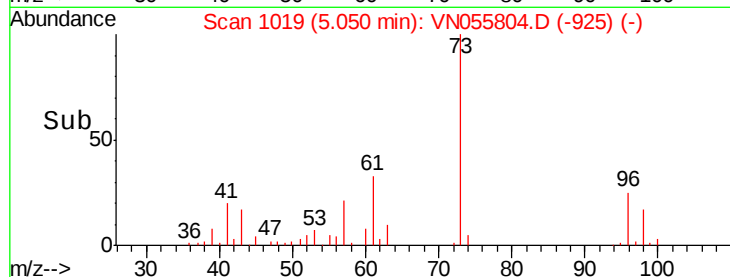
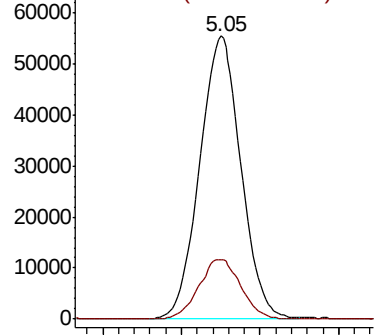
#19
Methvl tert-butvl Ether
Concen: 20.069 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 73 Resp: 203586
Ion Ratio Lower Upper
73 100
57 21.2 17.8 26.8

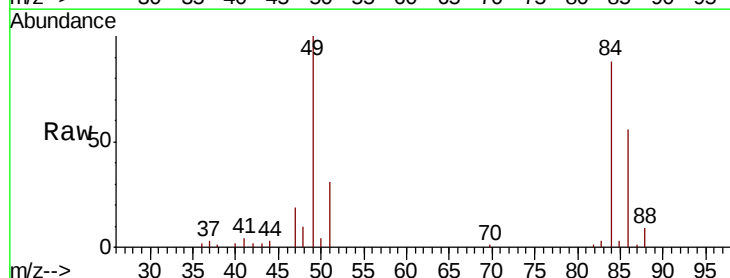


Abundance Ion 73.00 (72.70 to 73.70): VN055746.D (-990) (-)
Ion 57.00 (56.70 to 57.70): VN055746.D (-990) (-)

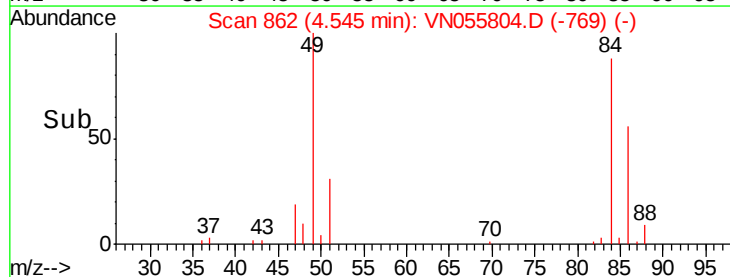
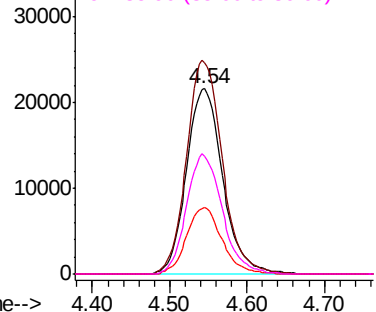


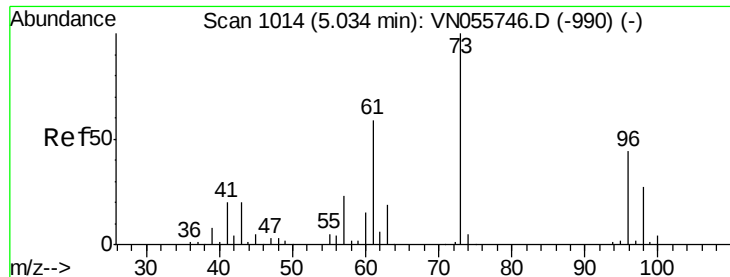
#20
Methylene Chloride
Concen: 20.033 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 84 Resp: 70439
Ion Ratio Lower Upper
84 100
49 114.0 93.5 140.3
51 35.7 28.6 43.0
86 63.6 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN055746.D (-839) (-)
Ion 48.90 (48.60 to 49.60): VN055746.D (-839) (-)
Ion 50.90 (50.60 to 51.60): VN055746.D (-839) (-)
Ion 85.90 (85.60 to 86.60): VN055746.D (-839) (-)

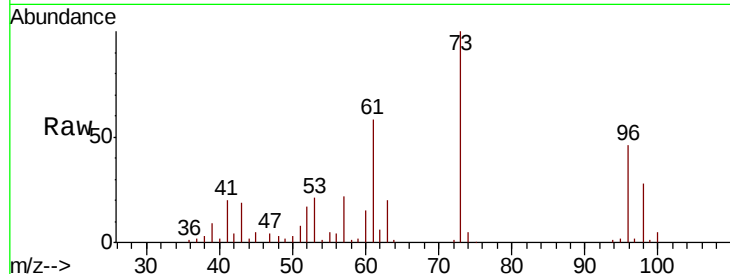




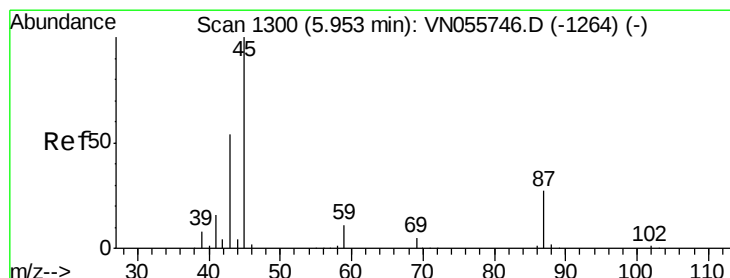
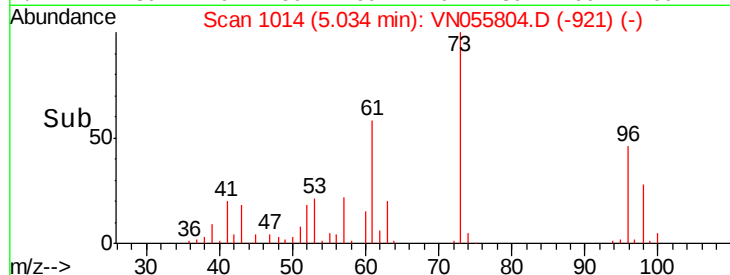
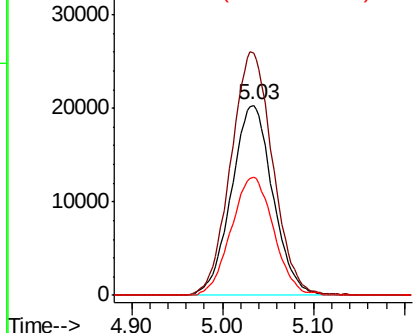
#21
trans-1,2-Dichloroethene
Concen: 19.697 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 96 Resp: 64363
Ion Ratio Lower Upper
96 100
61 127.6 107.8 161.8
98 62.0 49.8 74.8

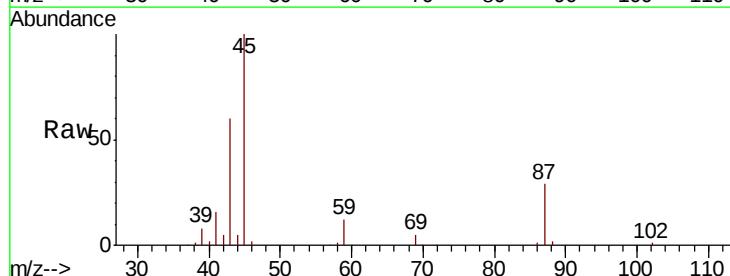


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

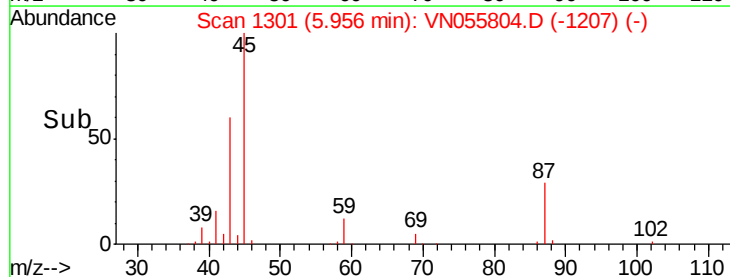
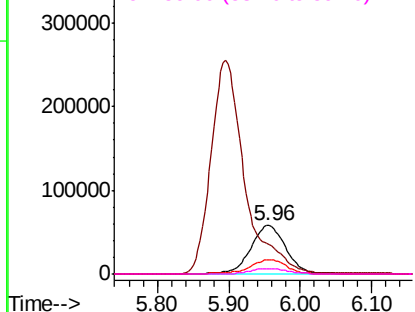


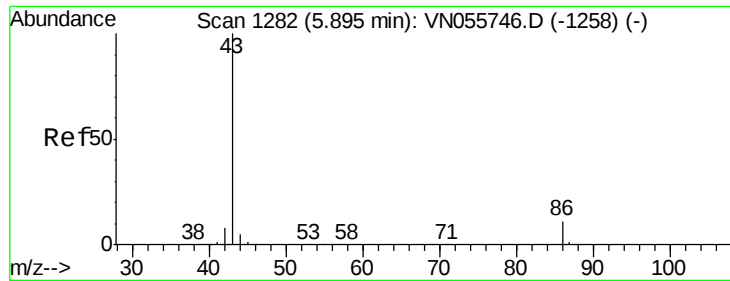
#22
Diisopropyl ether
Concen: 19.604 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 45 Resp: 198818
Ion Ratio Lower Upper
45 100
43 58.1 45.0 67.6
87 28.4 22.2 33.4
59 11.4 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

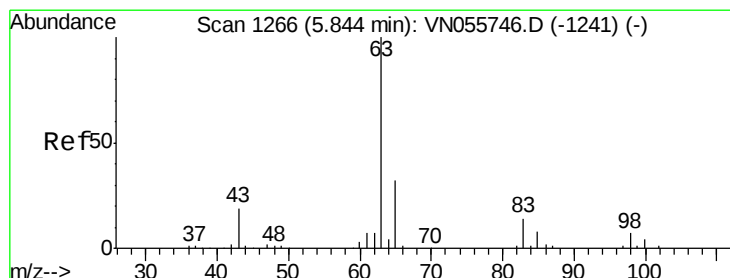
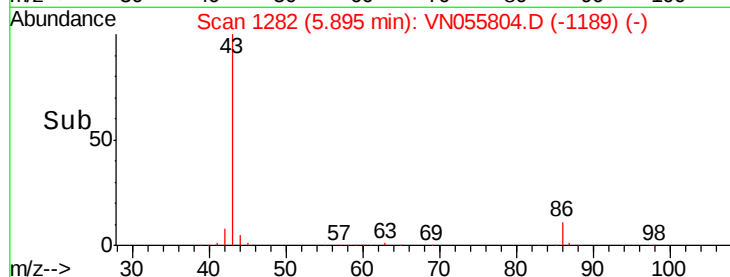
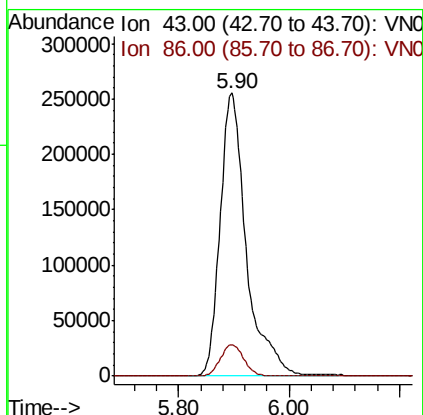
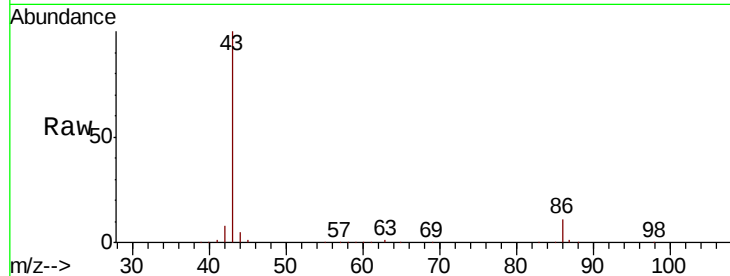




#23
 Vinyl Acetate
 Concen: 97.102 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

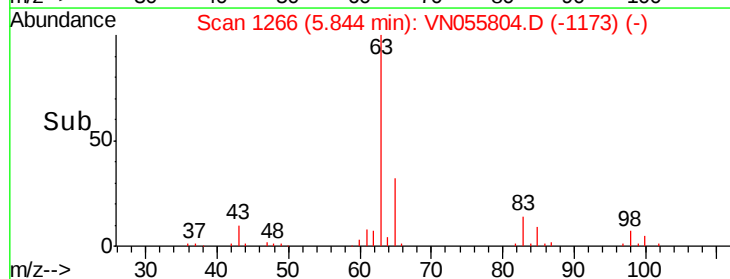
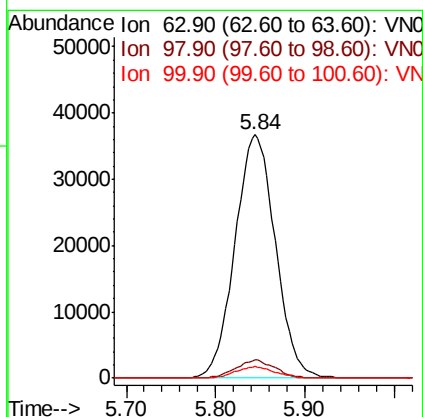
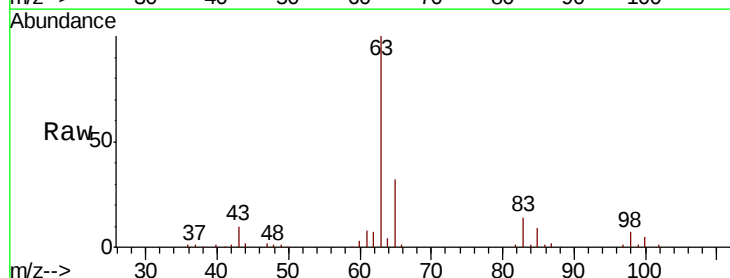
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

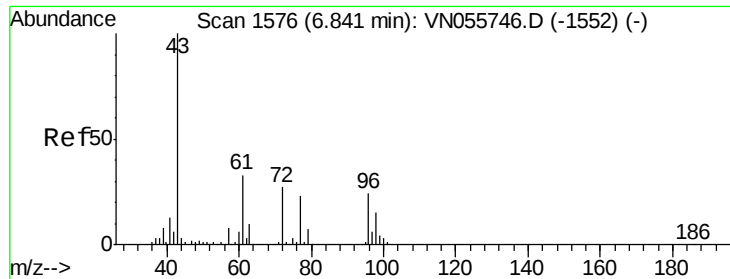
Tot Ion: 43 Resp: 844324
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 19.526 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion: 63 Resp: 115294
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.4 10.1
 100 4.7 2.2 6.6

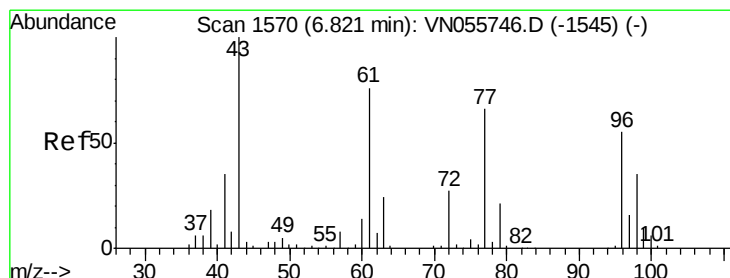
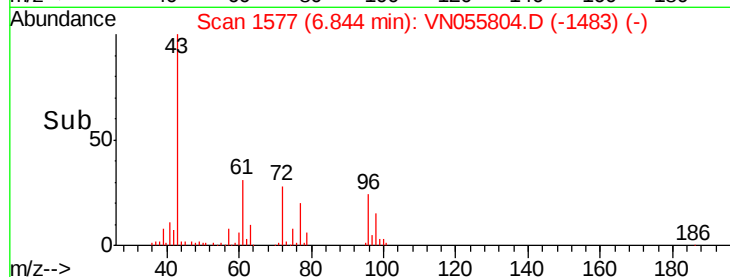
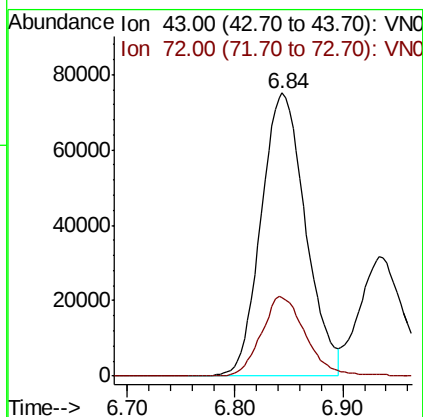
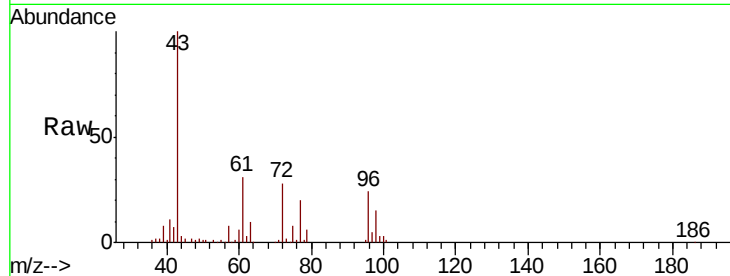




#25
2-Butanone
Concen: 94.118 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

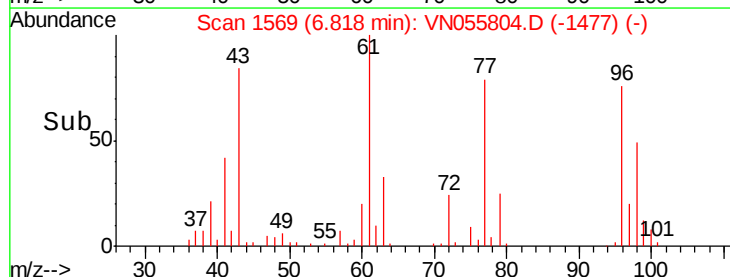
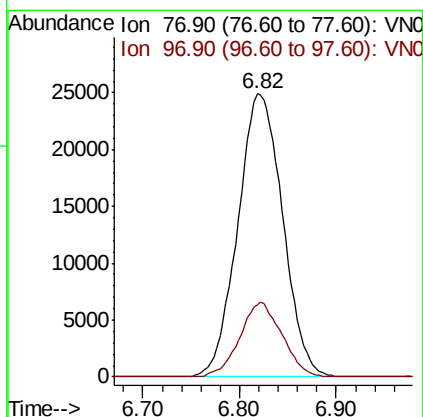
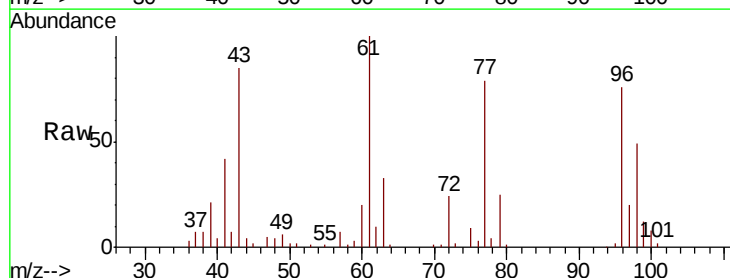
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

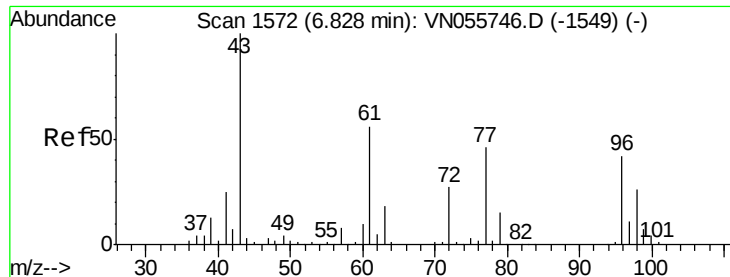
Tot Ion: 43 Resp: 213405
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 15.717 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 77 Resp: 80318
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.972 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

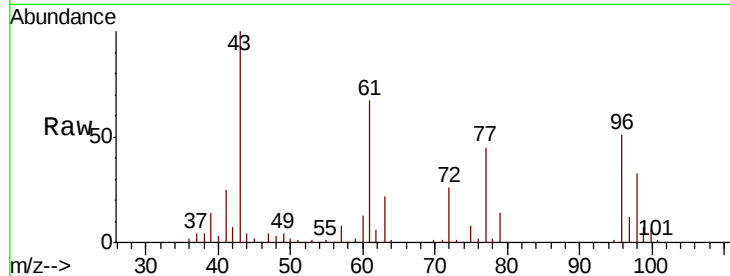
Tot Ion: 96 Resp: 76140

Ion Ratio Lower Upper

96 100

61 132.7 0.0 275.8

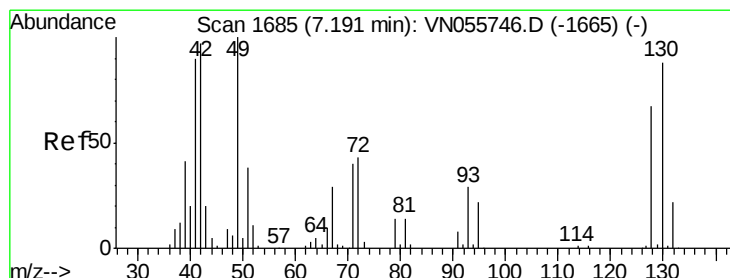
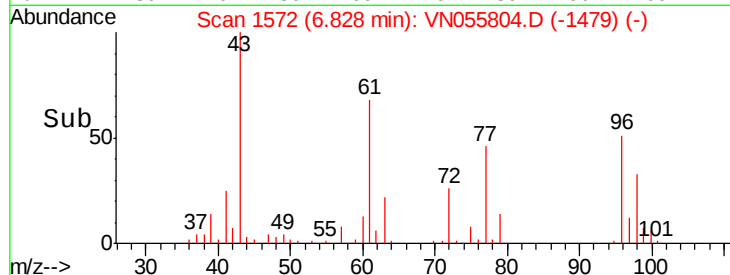
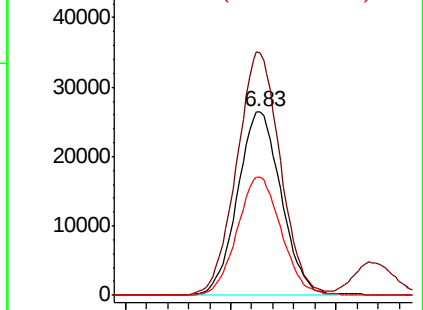
98 65.1 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.675 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

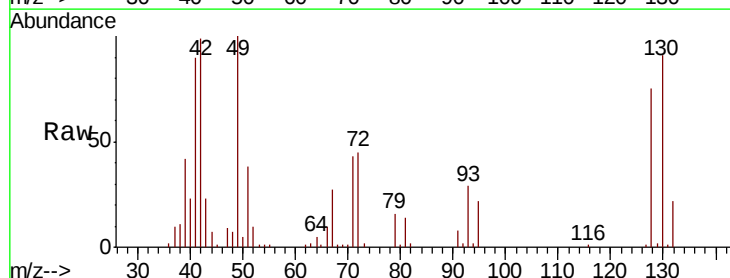
Tgt Ion: 49 Resp: 58124

Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.4

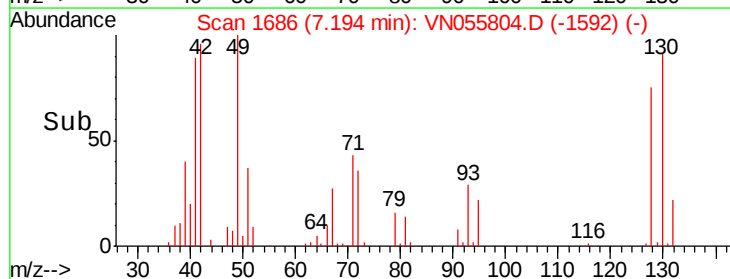
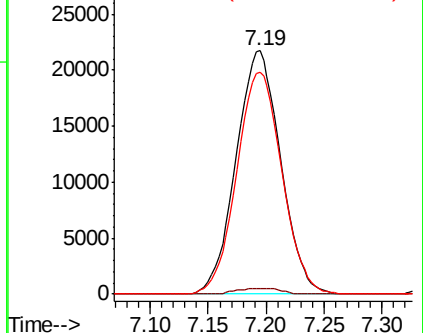
130 92.4 71.2 106.8

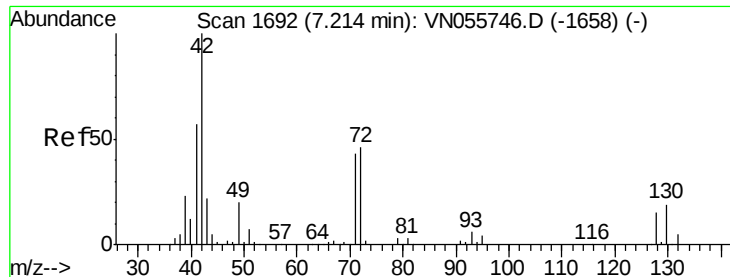


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.224 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

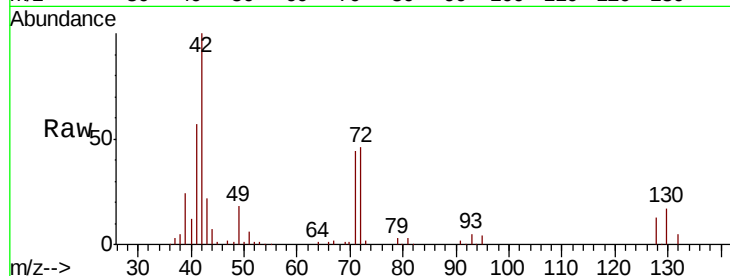
Tot Ion: 42 Resp: 145347

Ion Ratio Lower Upper

42 100

72 44.9 35.9 53.9

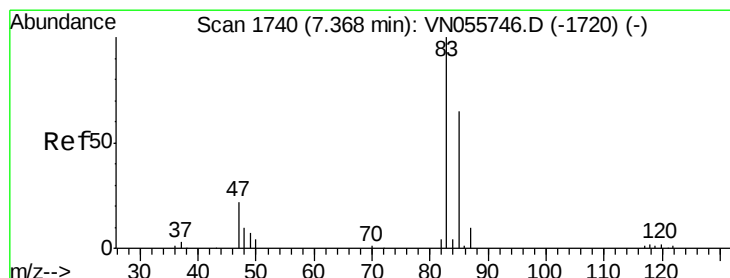
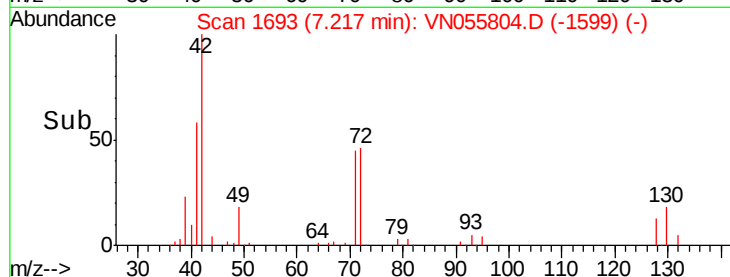
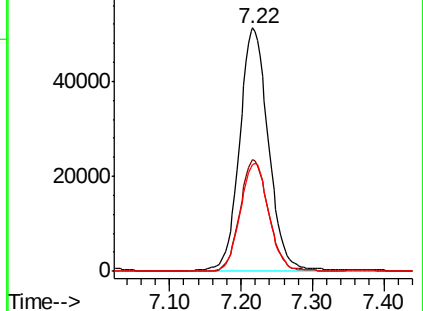
71 43.7 34.0 51.0



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: 19.837 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055804.D

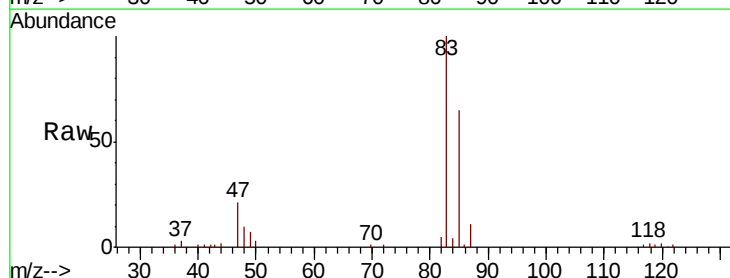
Acq: 24 May 2019 18:38

Tgt Ion: 83 Resp: 116817

Ion Ratio Lower Upper

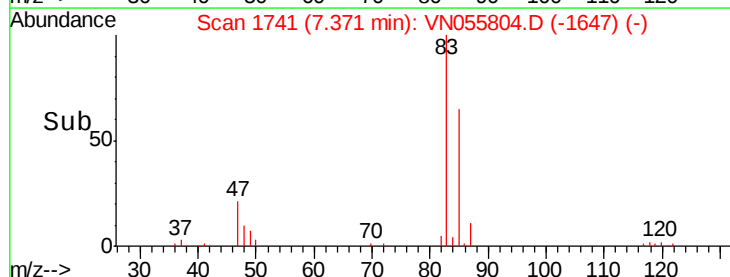
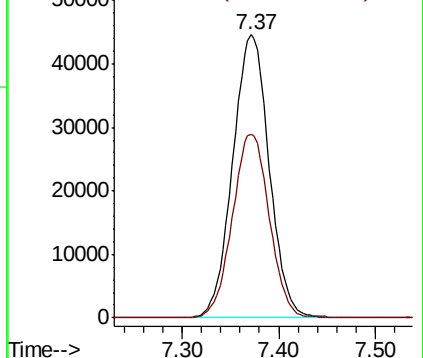
83 100

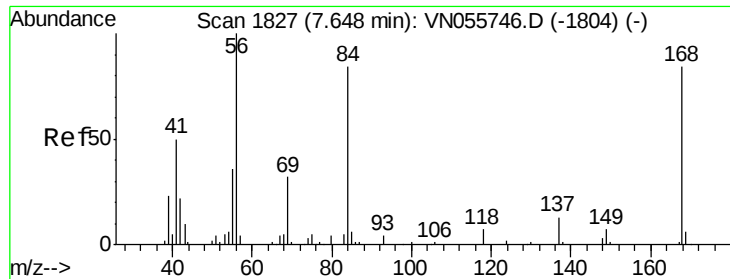
85 65.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

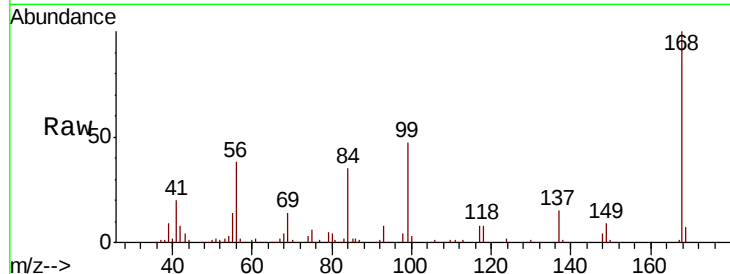




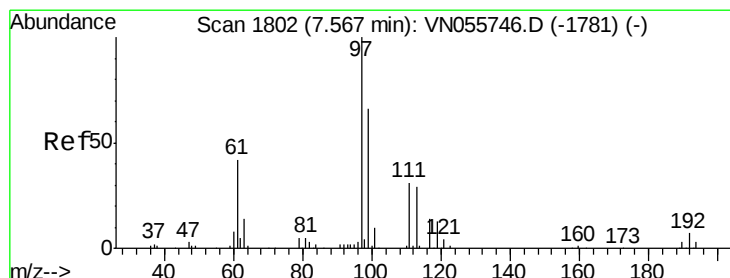
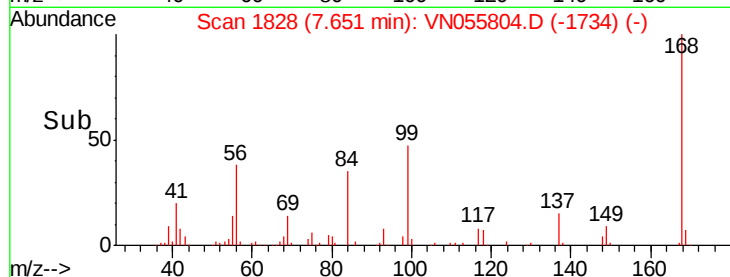
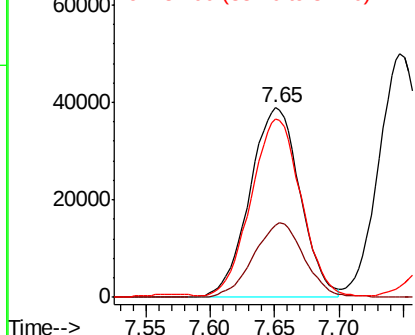
#31
Cyclohexane
Concen: 19.055 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 56 Resp: 105633
Ion Ratio Lower Upper
56 100
69 37.9 25.6 38.4
84 92.9 67.4 101.0

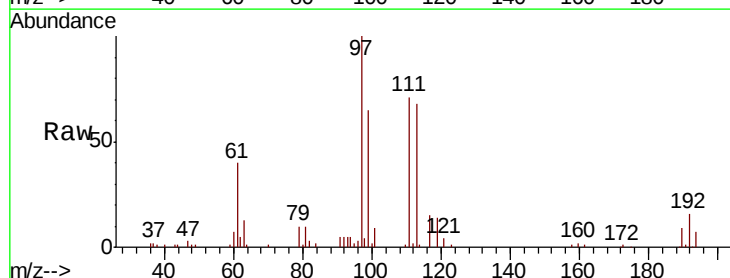


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

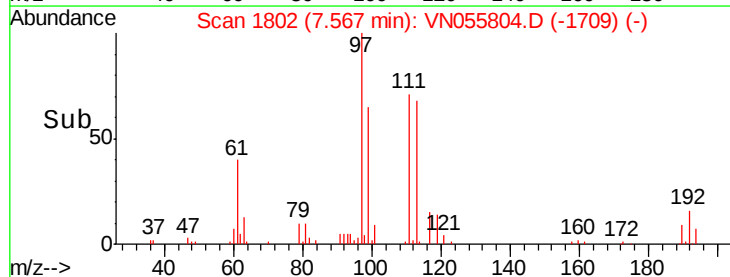
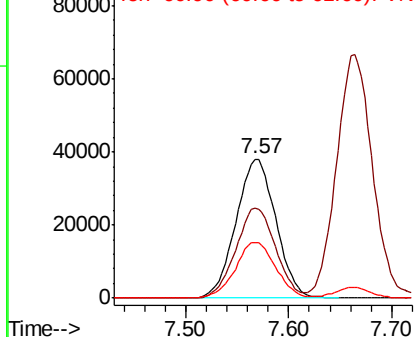


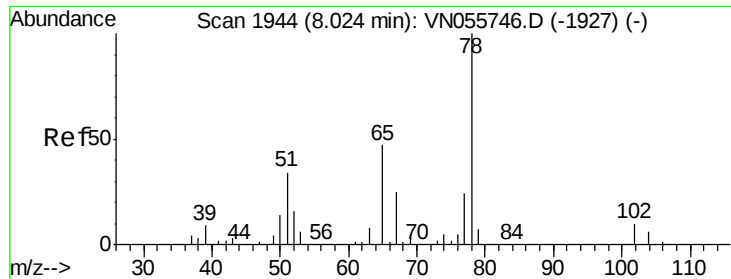
#32
1,1,1-Trichloroethane
Concen: 19.482 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 97 Resp: 102373
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 40.7 32.9 49.3



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





#33

1,2-Dichloroethane-d4

Concen: 49.780 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

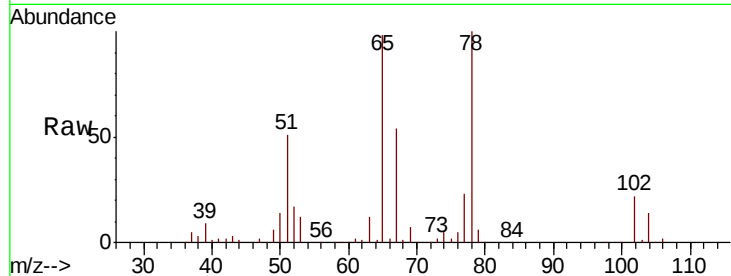
VN0524WBSD02

Tot Ion: 65 Resp: 183859

Ion Ratio Lower Upper

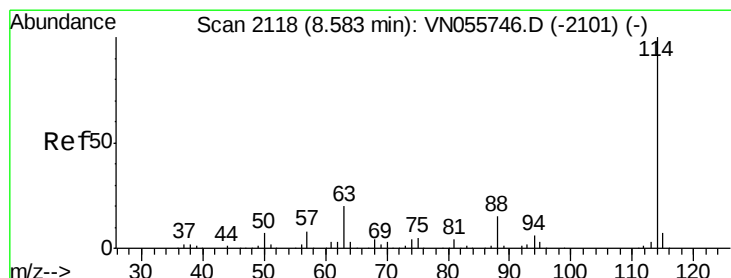
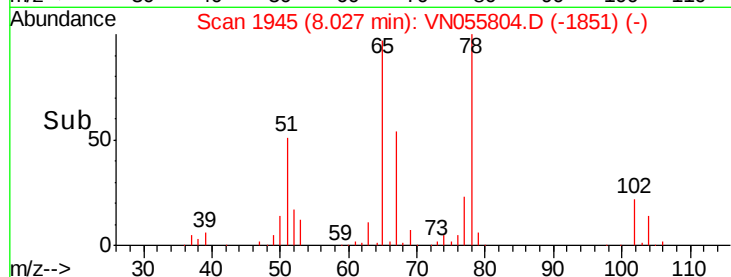
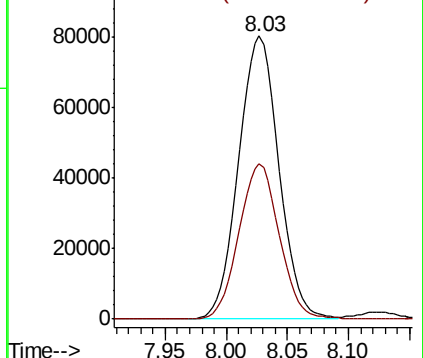
65 100

67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

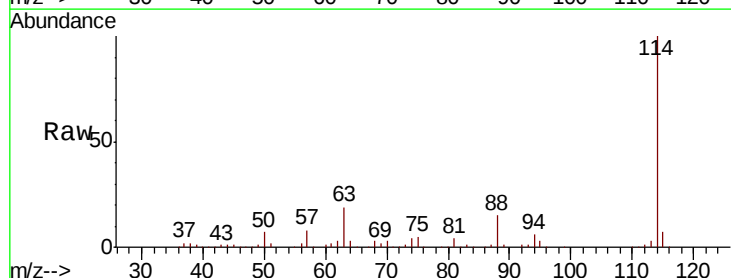
Tgt Ion: 114 Resp: 528005

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.2

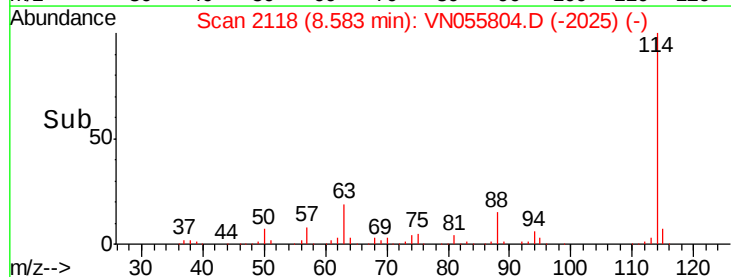
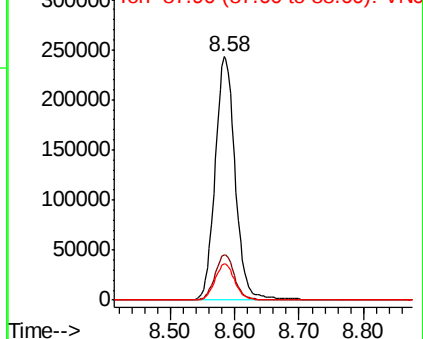
88 14.8 0.0 31.0

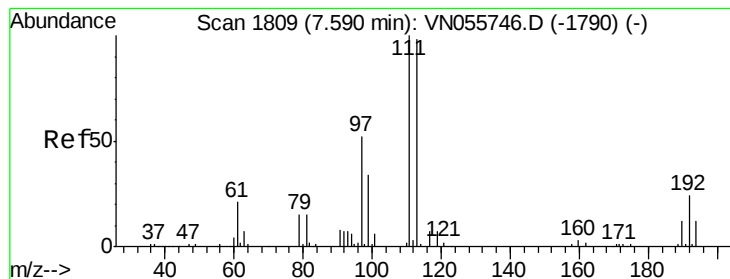


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 50.085 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

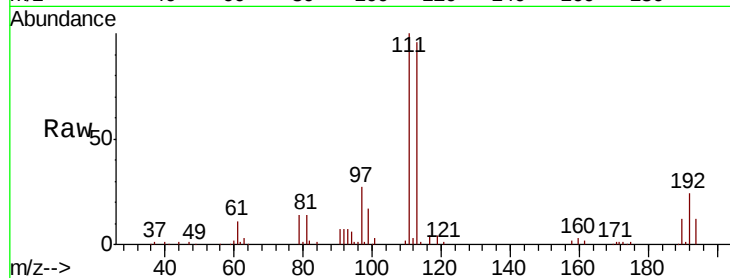
Tot Ion:113 Resp: 167194

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

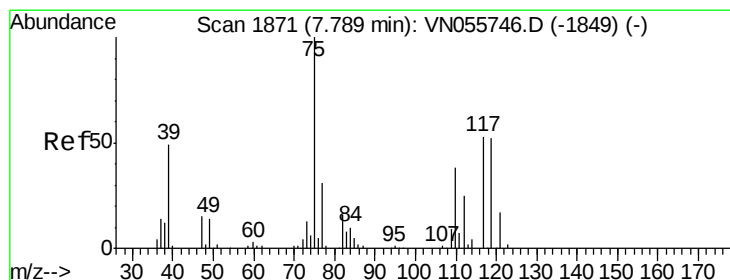
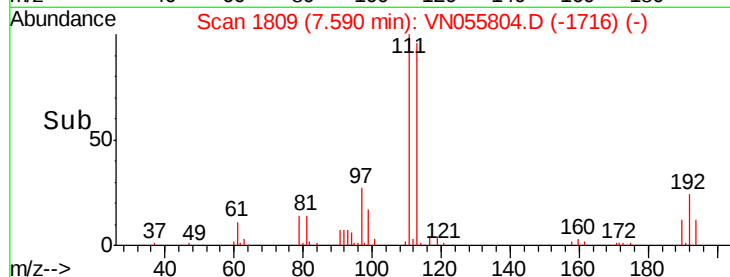
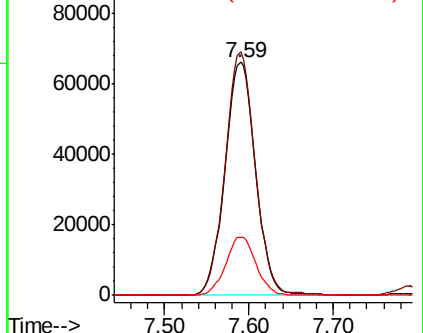
192 24.7 19.5 29.3



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: 18.866 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

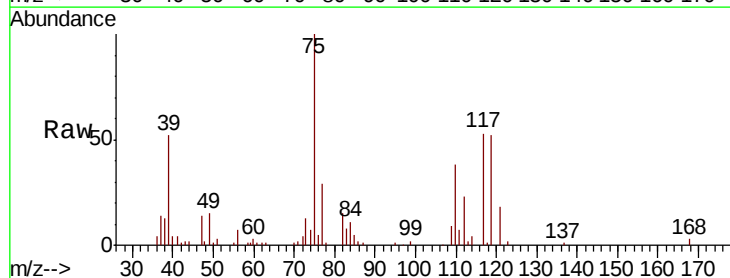
Tgt Ion: 75 Resp: 86807

Ion Ratio Lower Upper

75 100

110 37.6 19.0 57.0

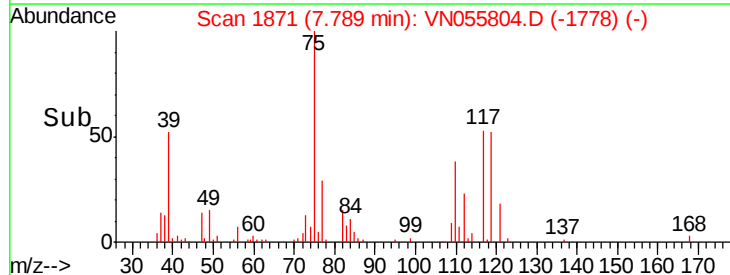
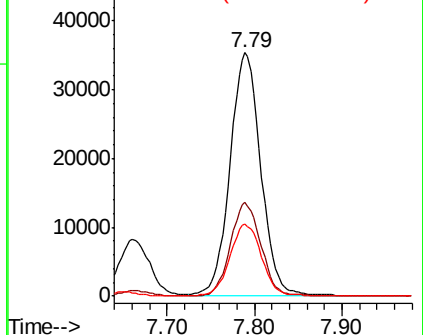
77 30.1 25.1 37.7

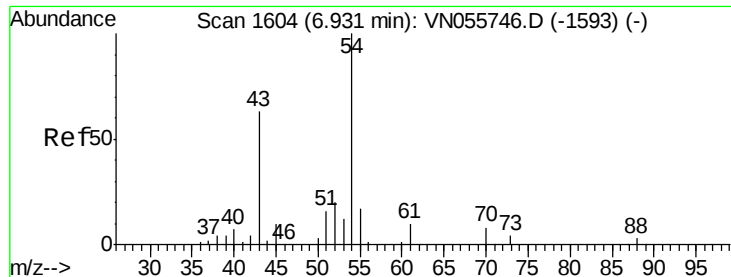


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

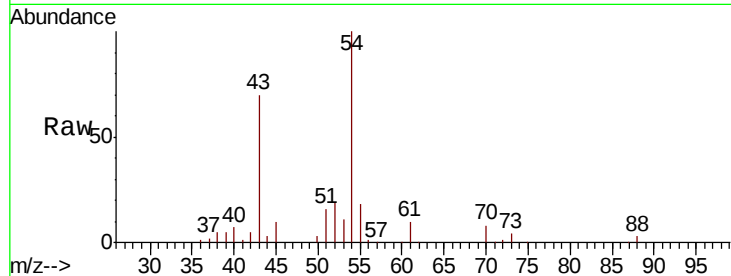




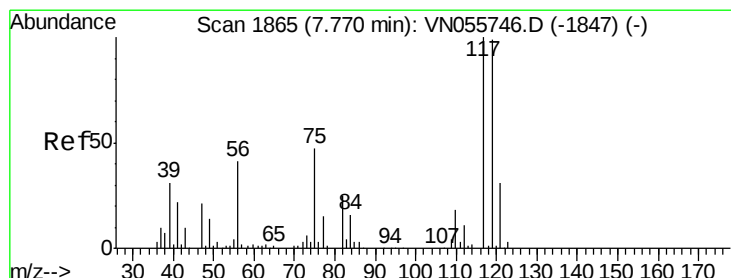
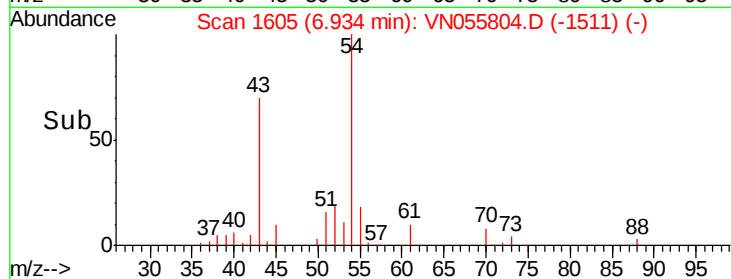
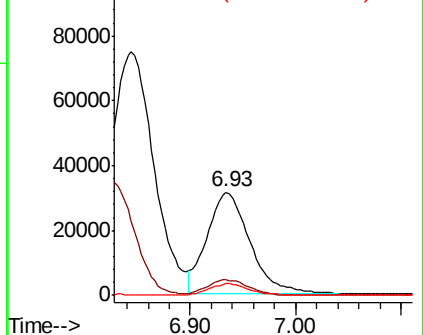
#37
Ethyl Acetate
Concen: 19.889 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleID :
VN0524WBSD02

Tot Ion: 43 Resp: 88449
Ion Ratio Lower Upper
43 100
61 15.1 12.2 18.2
70 10.8 8.9 13.3

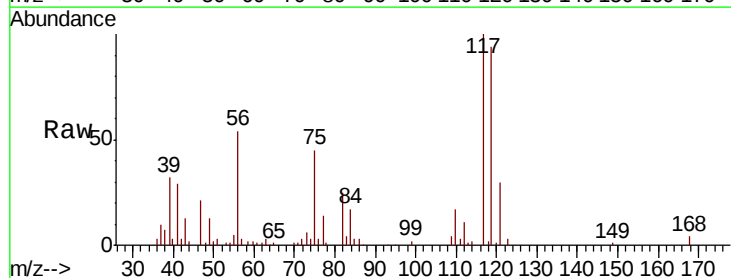


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

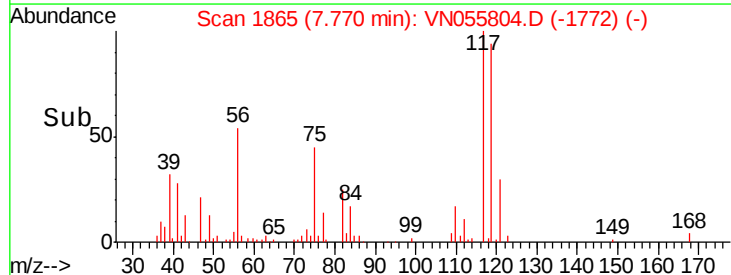
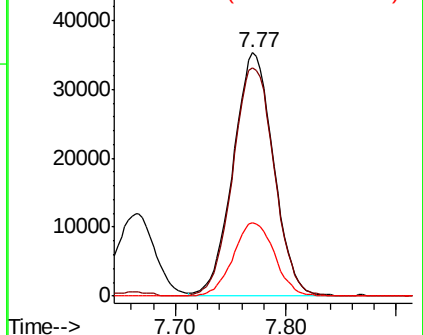


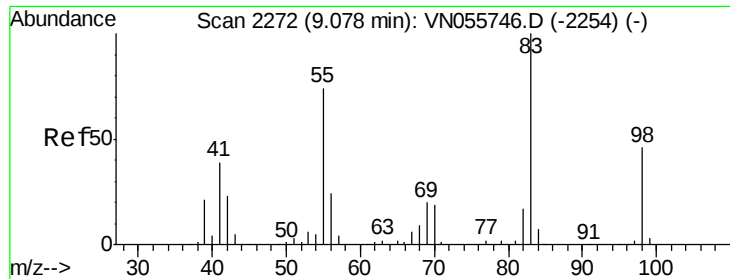
#38
Carbon Tetrachloride
Concen: 18.736 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 117 Resp: 89801
Ion Ratio Lower Upper
117 100
119 93.6 79.0 118.6
121 30.3 24.7 37.1



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

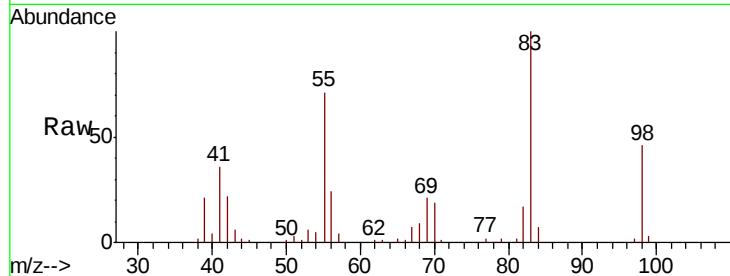




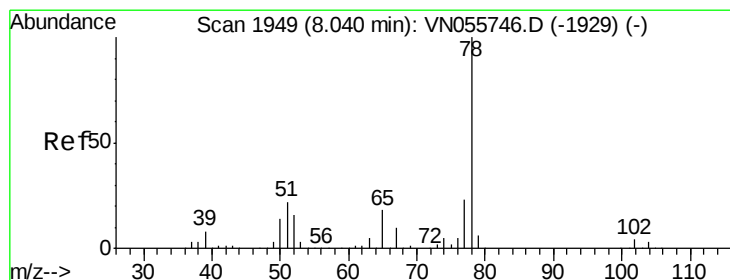
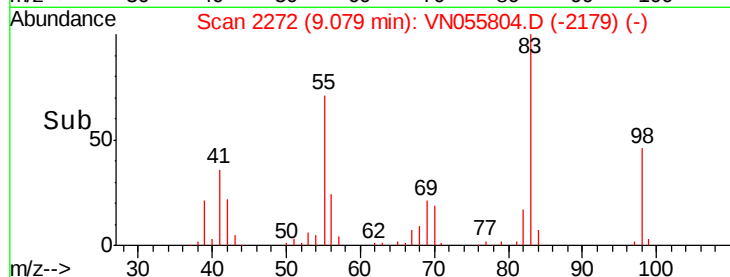
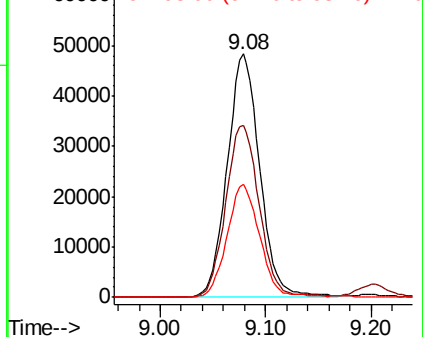
#39
Methvlcvclohexane
Concen: 18.164 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 83 Resp: 103498
Ion Ratio Lower Upper
83 100
55 70.6 59.3 88.9
98 46.4 36.6 54.8

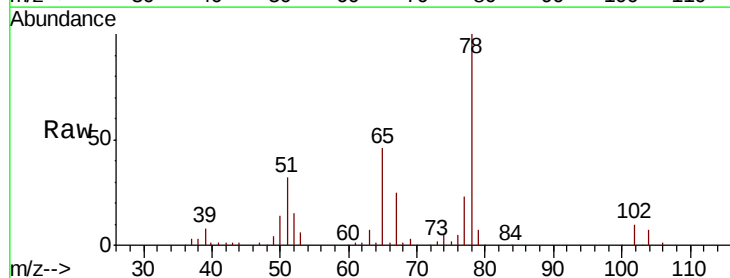


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

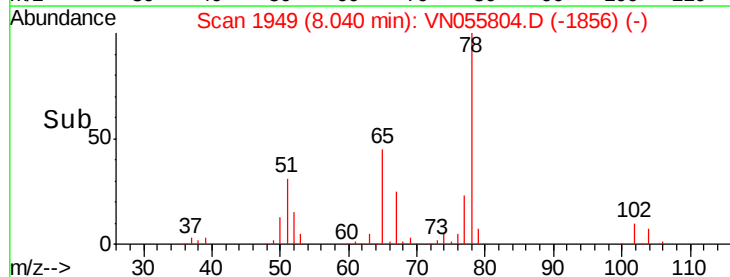
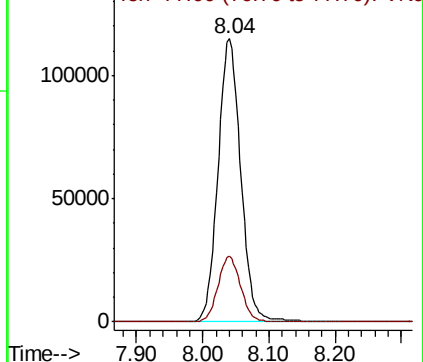


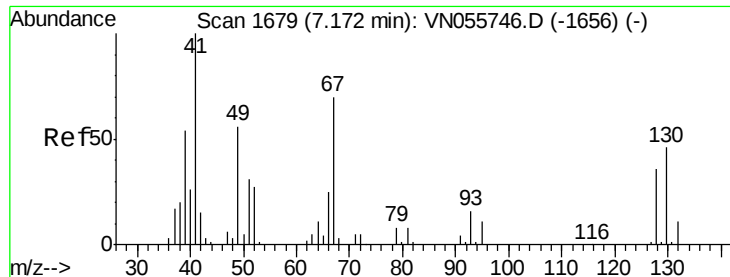
#40
Benzene
Concen: 19.734 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 78 Resp: 273659
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



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

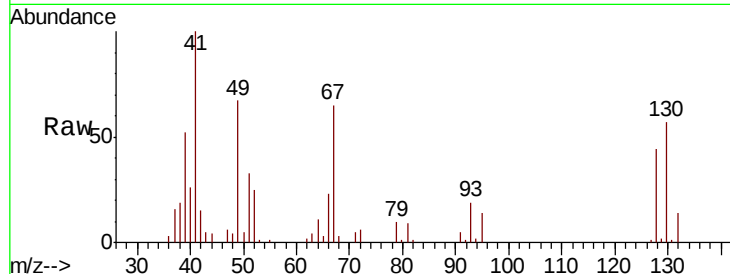




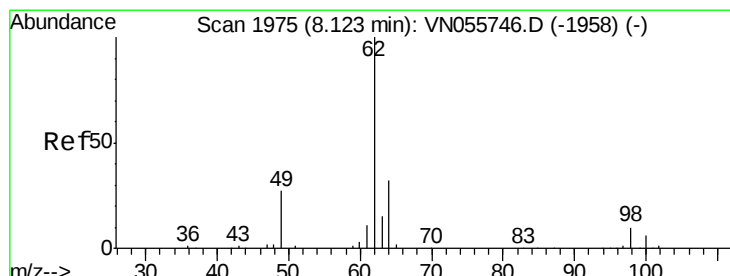
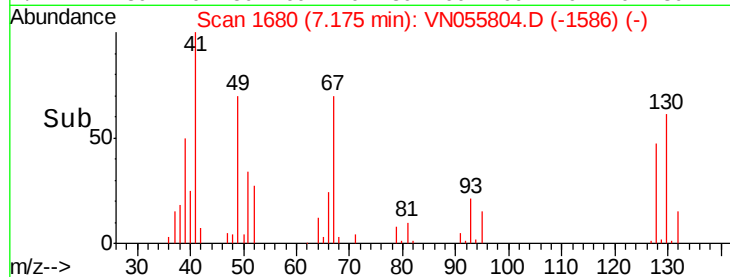
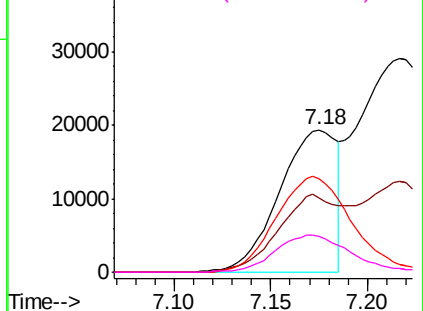
#41
Methacrylonitrile
Concen: 17.816 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion:	41	Resp:	40027
Ion	Ratio	Lower	Upper
41	100		
39	58.0	45.6	68.4
67	88.4	67.7	101.5
52	34.4	26.6	40.0

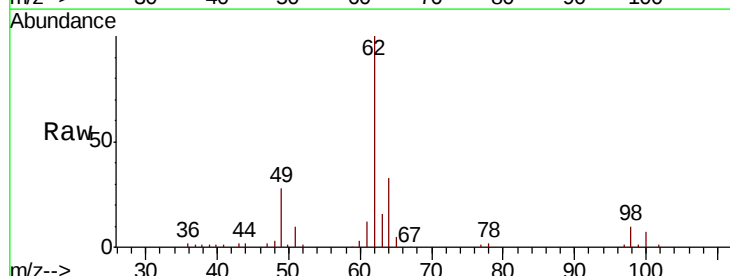


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

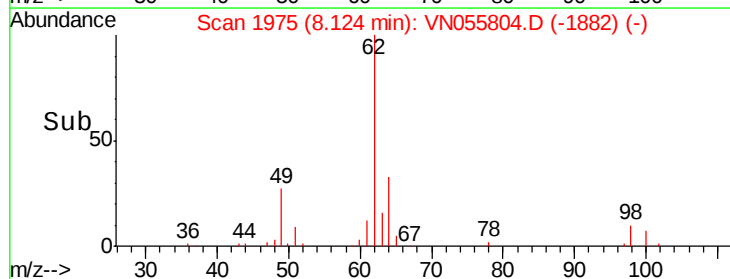
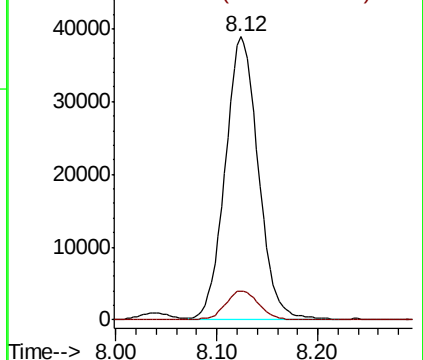


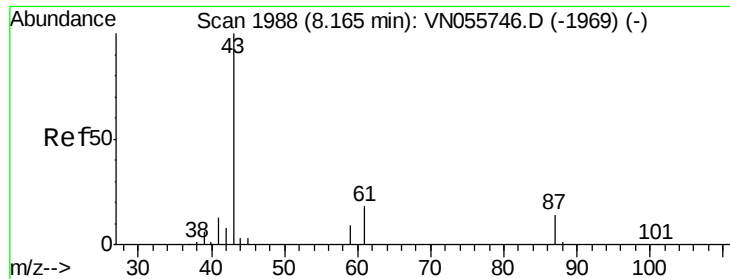
#42
1,2-Dichloroethane
Concen: 19.711 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion:	62	Resp:	89318
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.170 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

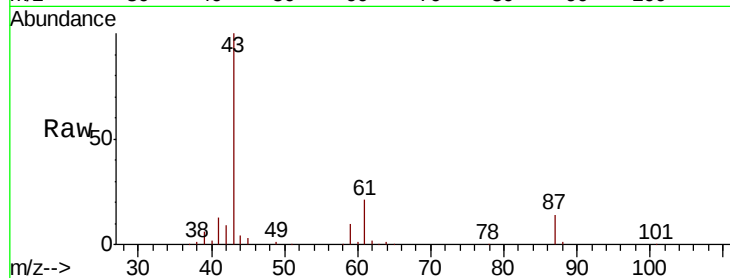
Tot Ion: 43 Resp: 143239

Ion Ratio Lower Upper

43 100

61 20.7 22.2 33.4#

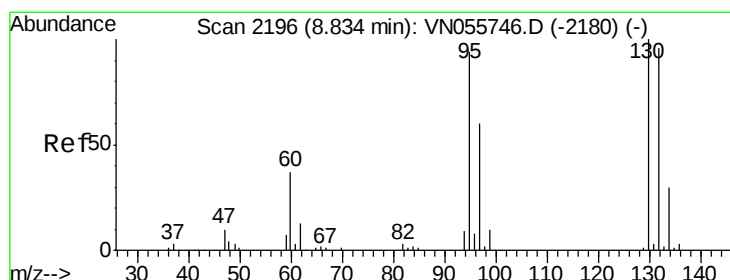
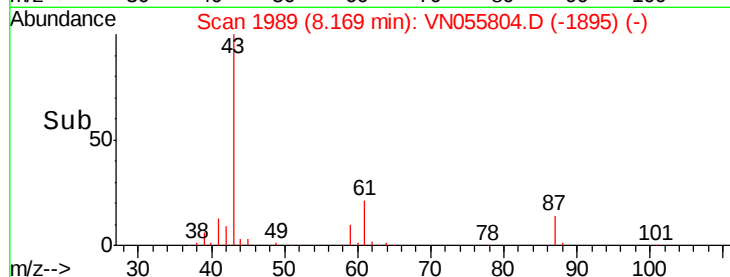
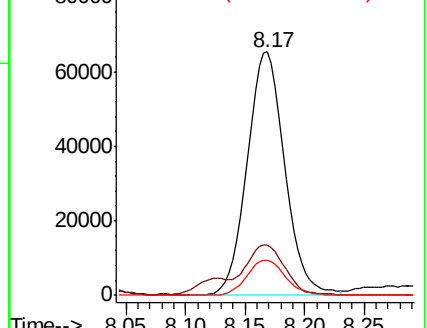
87 14.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 19.985 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055804.D

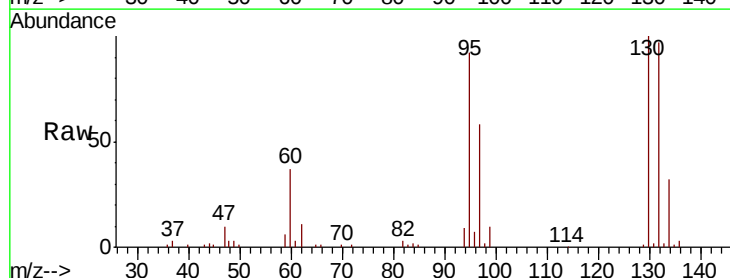
Acq: 24 May 2019 18:38

Tgt Ion:130 Resp: 77261

Ion Ratio Lower Upper

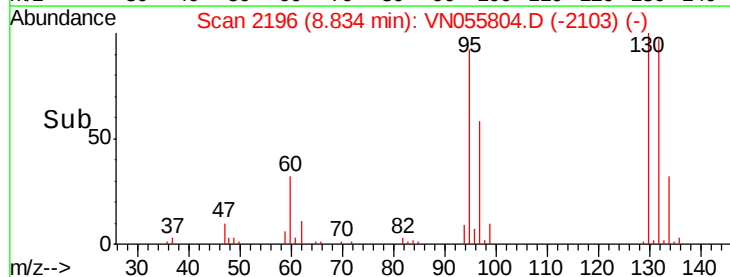
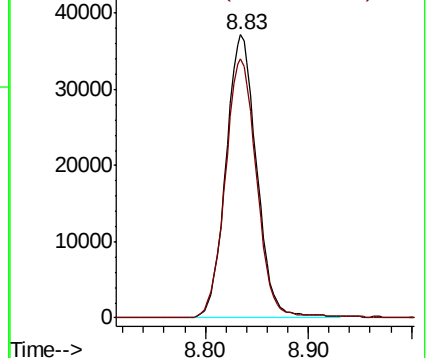
130 100

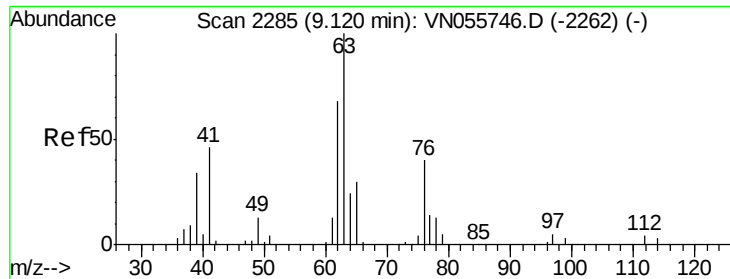
95 91.7 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 19.403 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

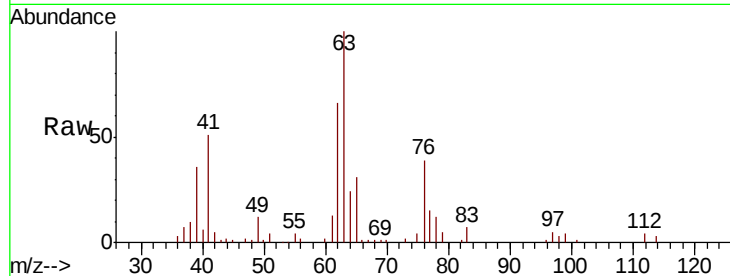
VN0524WBSD02

Tot Ion: 63 Resp: 70104

Ion Ratio Lower Upper

63 100

65 31.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055746.D (-2262) (-)

9.12

30000

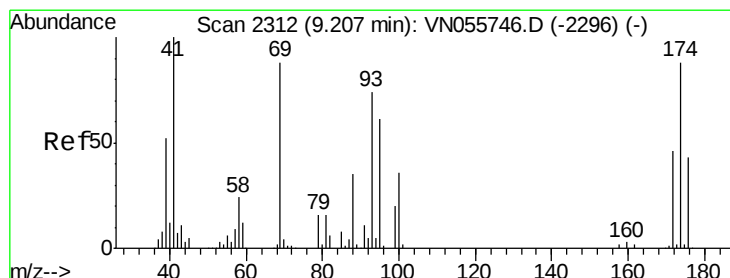
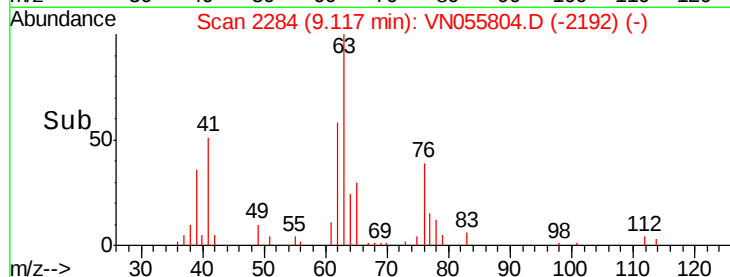
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 20.038 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

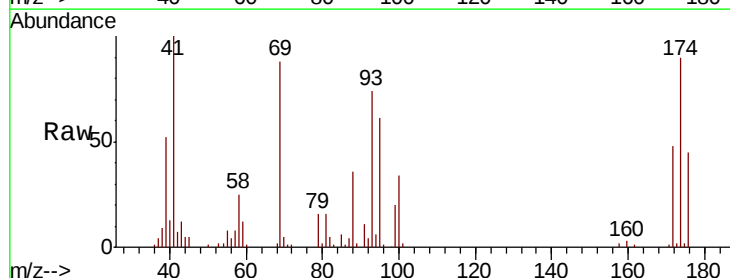
Tgt Ion: 93 Resp: 47480

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 126.0 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055746.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055746.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055746.D (-2296) (-)

9.21

30000

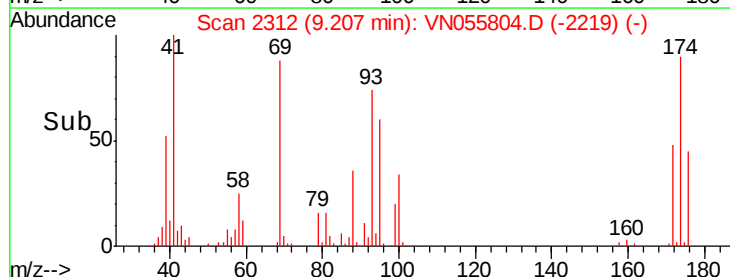
20000

10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 19.019 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

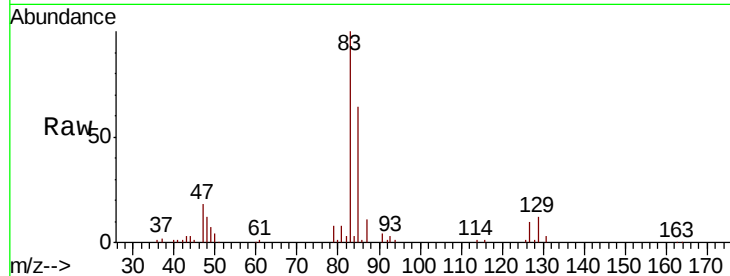
Tot Ion: 83 Resp: 92409

Ion Ratio Lower Upper

83 100

85 64.1 52.2 78.2

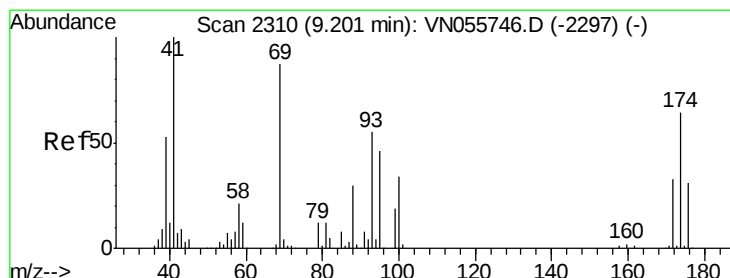
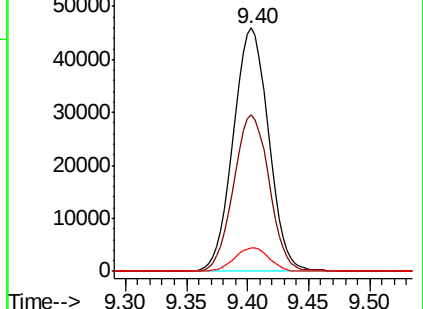
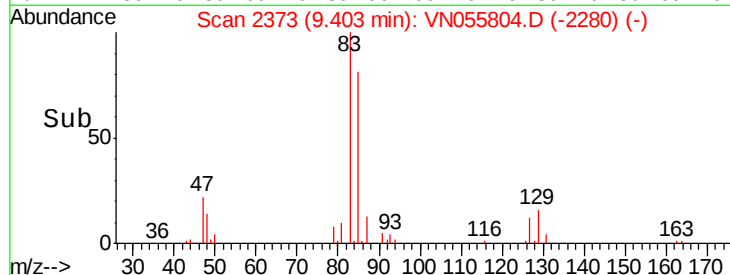
127 9.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055804.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055804.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055804.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.043 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

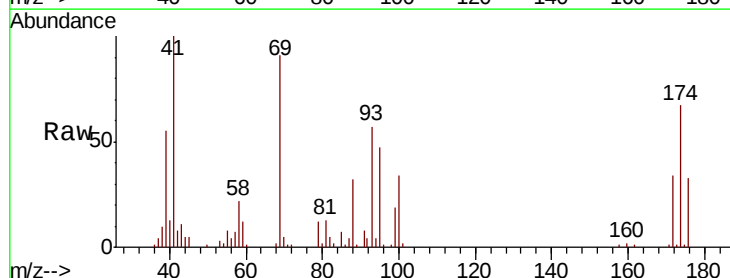
Tgt Ion: 41 Resp: 69023

Ion Ratio Lower Upper

41 100

69 91.8 71.0 106.6

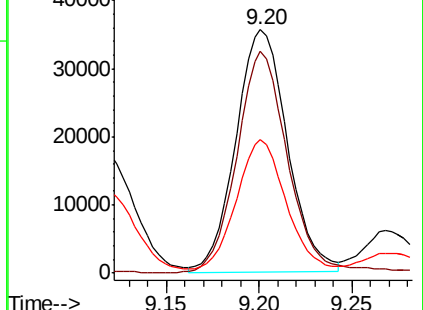
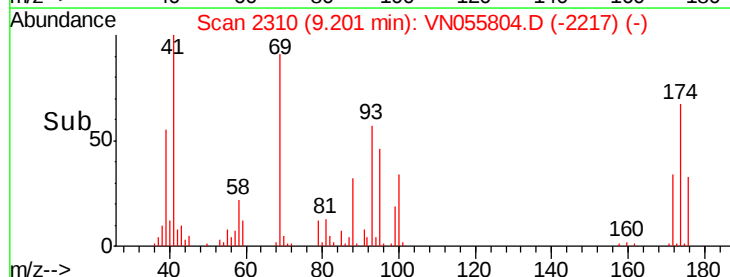
39 54.1 44.2 66.2

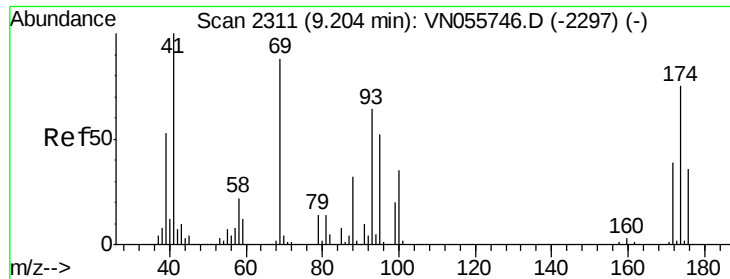


Abundance Ion 41.00 (40.70 to 41.70): VN055804.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055804.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055804.D (-2217) (-)





#49

1,4-Dioxane

Concen: 385.996 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

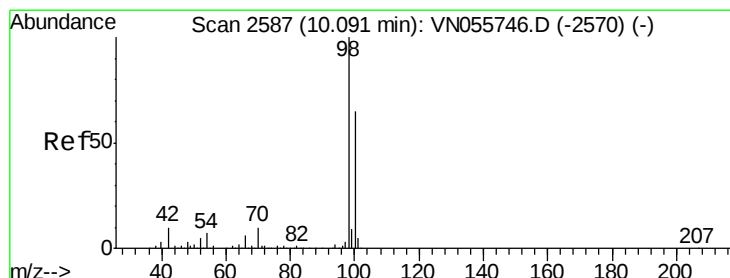
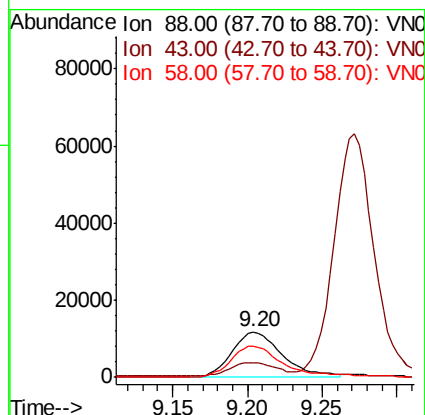
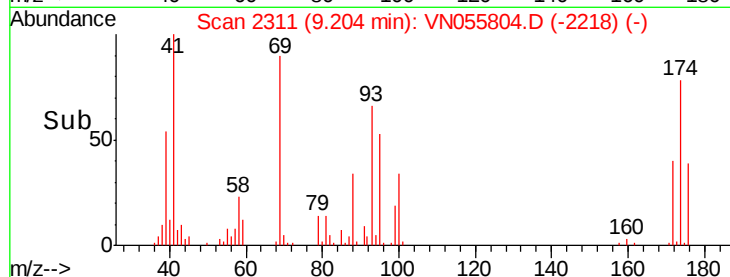
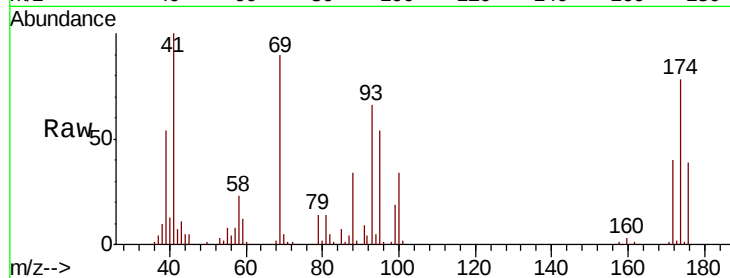
Tot Ion: 88 Resp: 27623

Ion Ratio Lower Upper

88 100

43 26.1 20.5 30.7

58 73.9 55.8 83.6



#50

Toluene-d8

Concen: 49.311 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055804.D

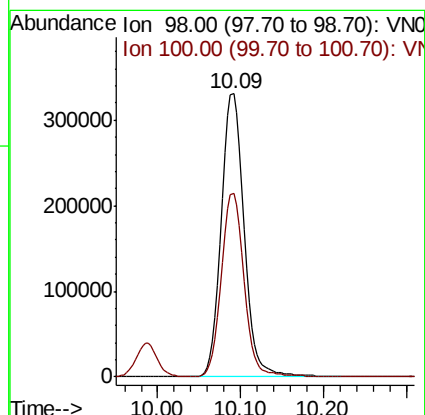
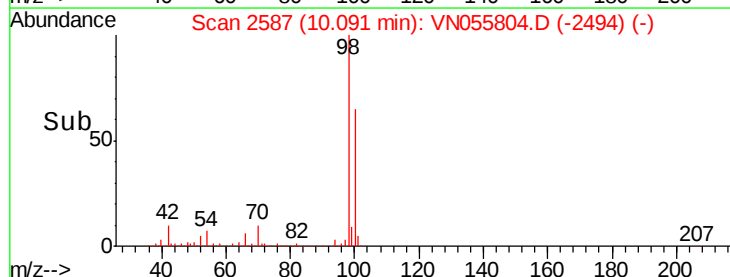
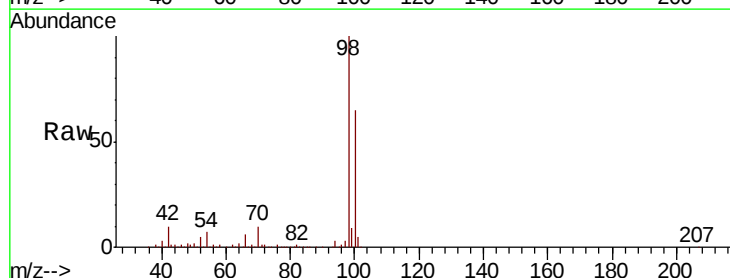
Acq: 24 May 2019 18:38

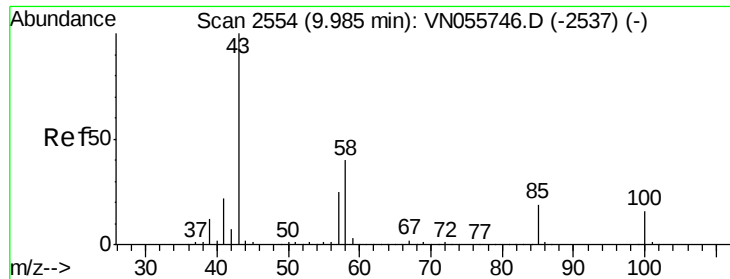
Tgt Ion: 98 Resp: 631428

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 98.643 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleID :

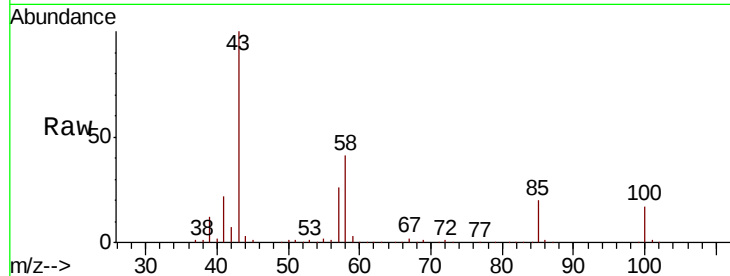
VN0524WBSD02

Tot Ion: 43 Resp: 435313

Ion Ratio Lower Upper

43 100

58 40.9 32.1 48.1



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

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

9.99

250000

200000

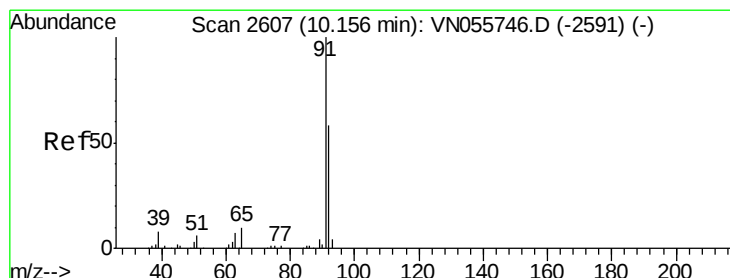
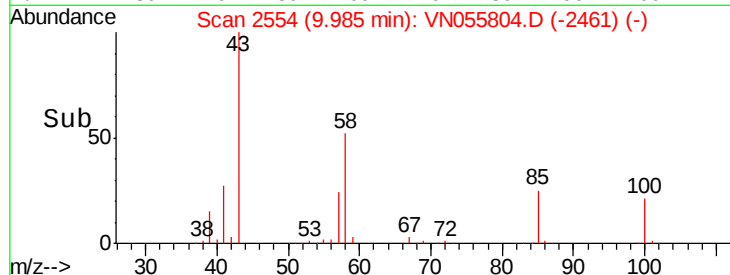
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.917 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055804.D

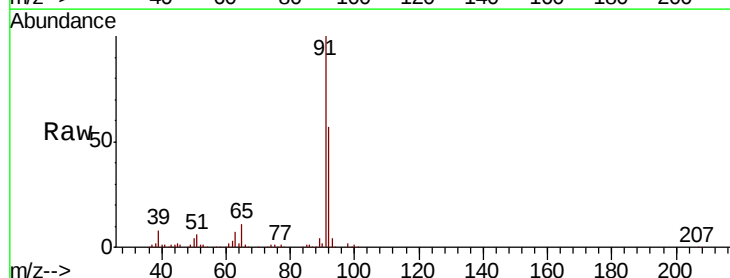
Acq: 24 May 2019 18:38

Tgt Ion: 92 Resp: 173711

Ion Ratio Lower Upper

92 100

91 174.1 139.4 209.2



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

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

10.16

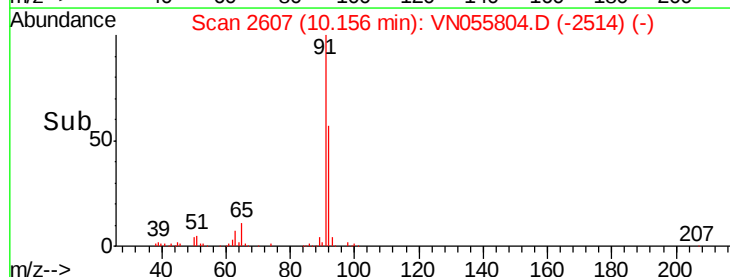
150000

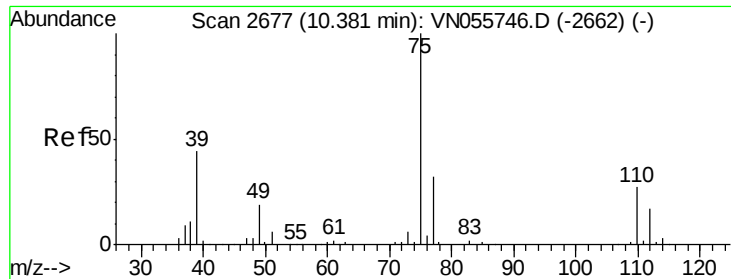
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.999 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

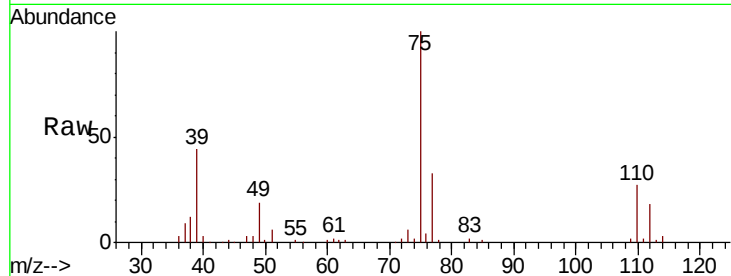
VN0524WBSD02

Tot Ion: 75 Resp: 93349

Ion Ratio Lower Upper

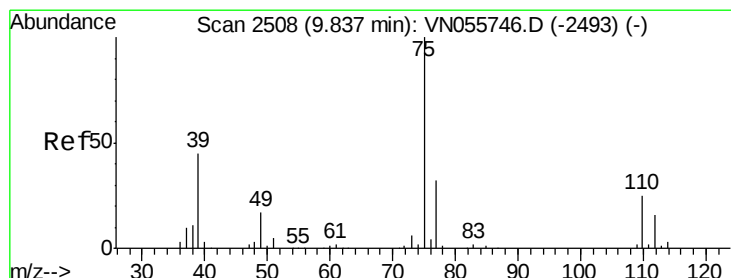
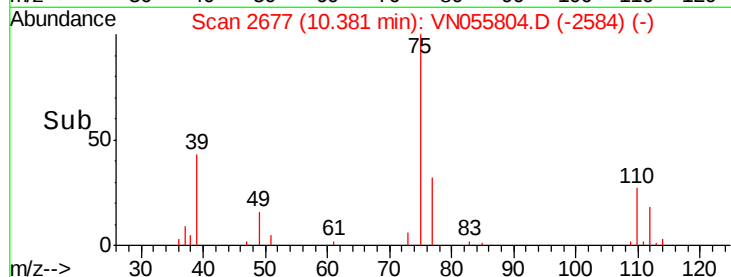
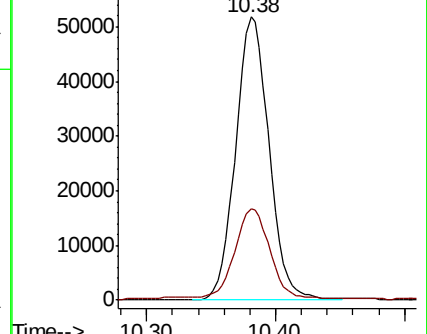
75 100

77 31.9 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.635 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

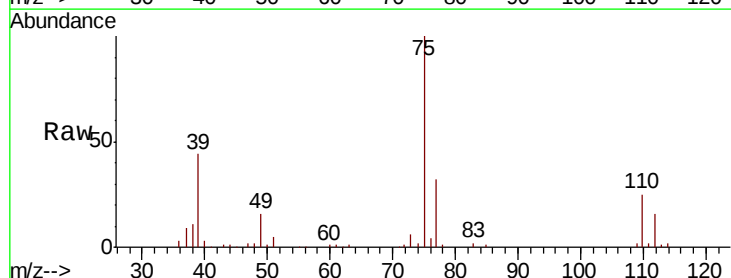
Tgt Ion: 75 Resp: 107069

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

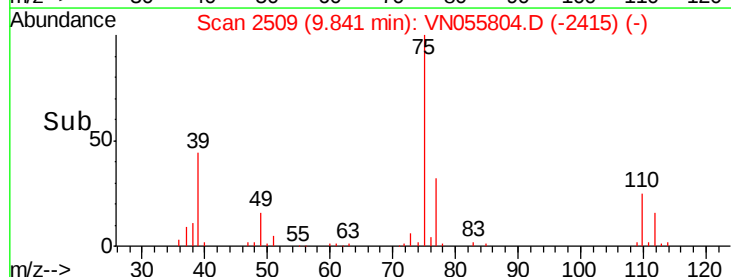
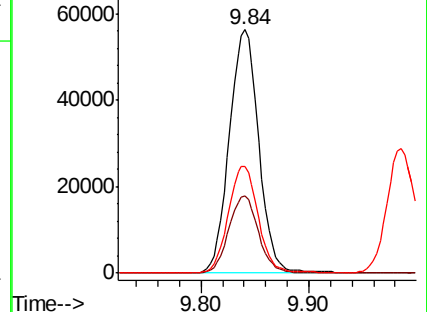
39 43.8 36.3 54.5

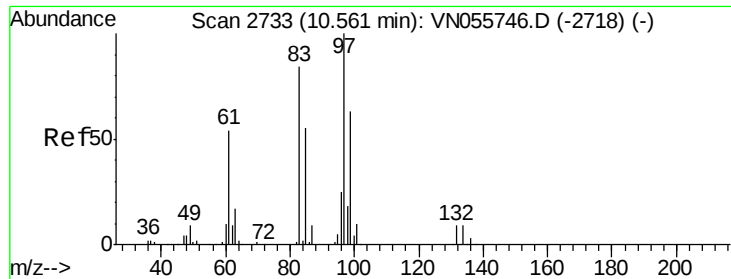


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.771 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

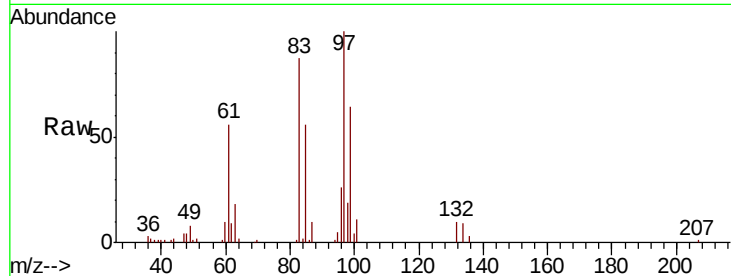
MSVOA_N

ClientSampleId :

VN0524WBSD02

Tot Ion: 97 Resp: 69080

Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.0	100.6
85	55.7	44.0	66.0
99	63.6	50.6	75.8

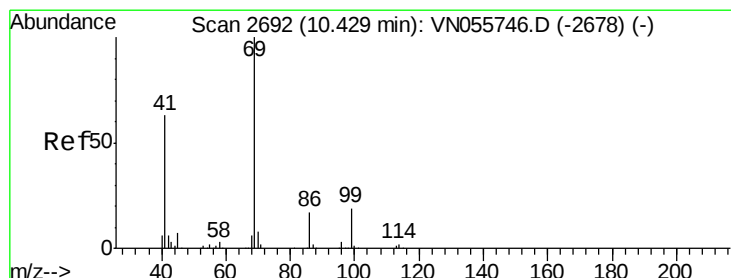
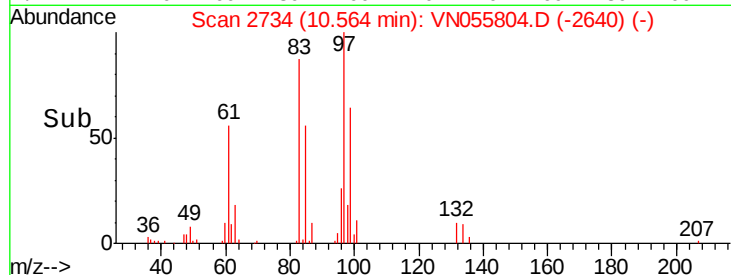


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.547 ug/l

RT: 10.43 min Scan# 2692

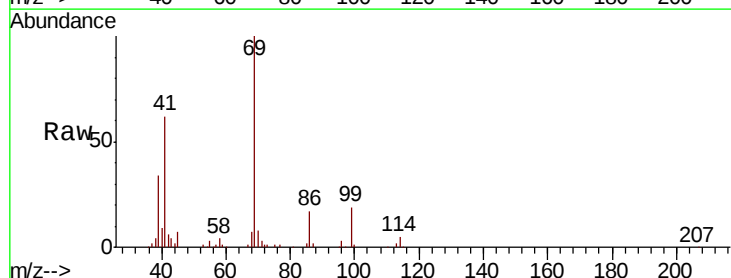
Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion: 69 Resp: 105554

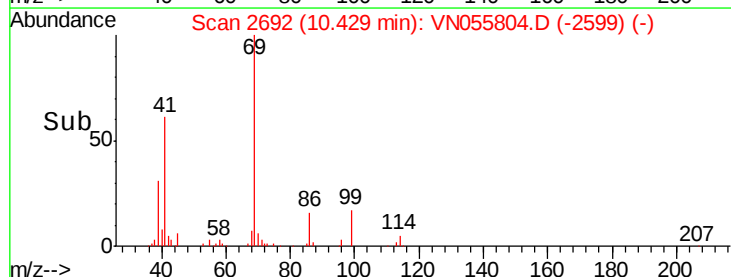
Ion	Ratio	Lower	Upper
69	100		
41	64.3	49.7	74.5
39	30.6	24.7	37.1

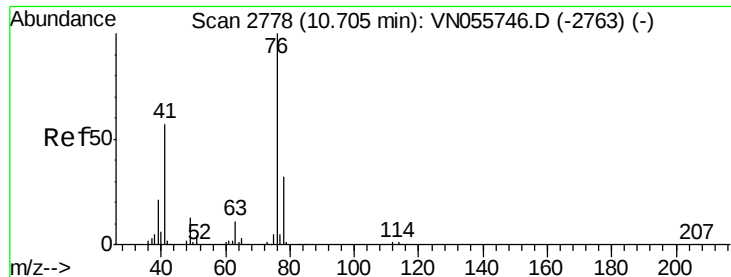


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.909 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

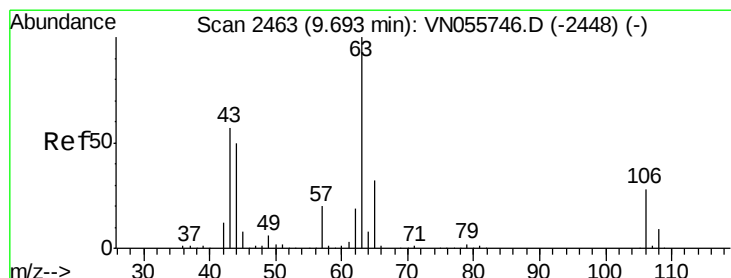
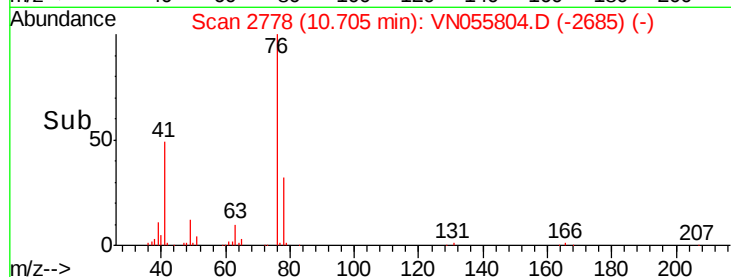
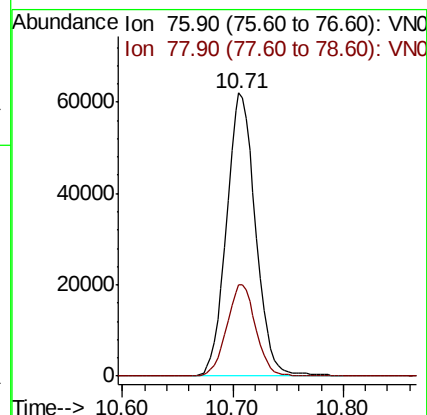
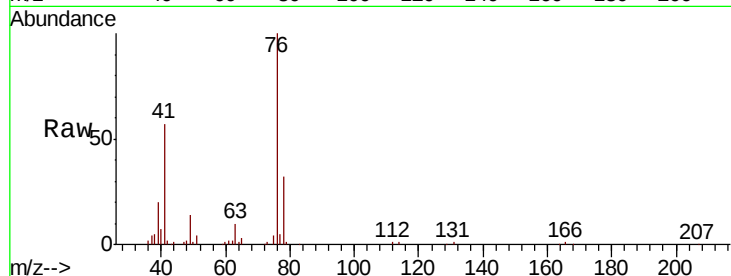
VN0524WBSD02

Tot Ion: 76 Resp: 113072

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 91.002 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055804.D

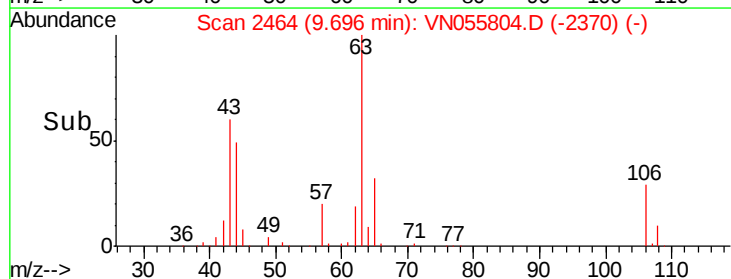
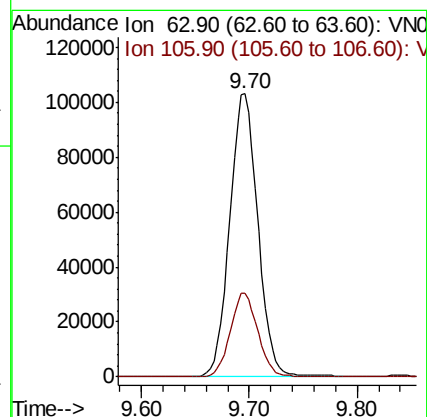
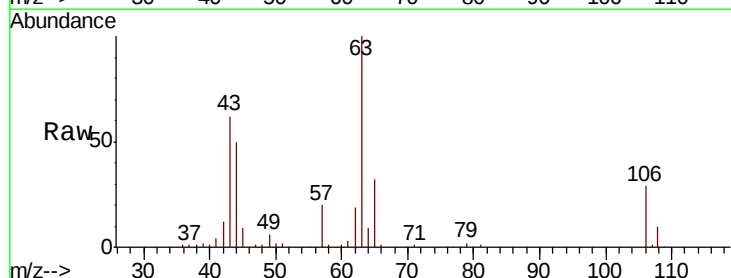
Acq: 24 May 2019 18:38

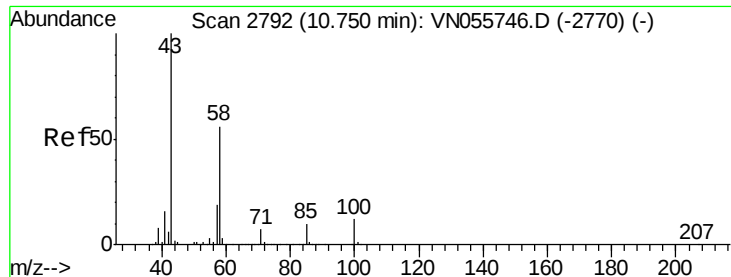
Tgt Ion: 63 Resp: 187793

Ion Ratio Lower Upper

63 100

106 28.9 22.7 34.1

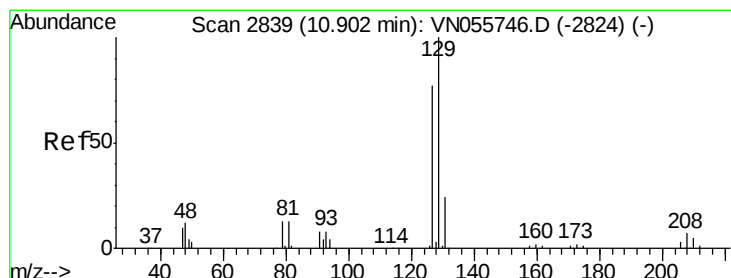
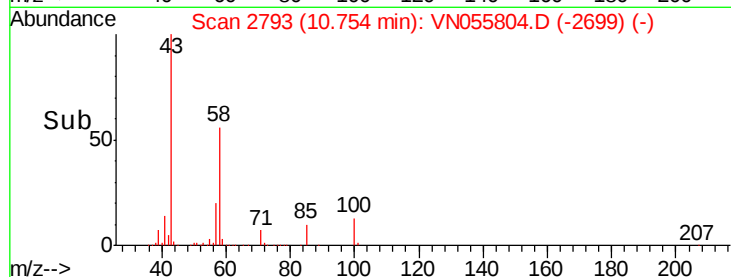
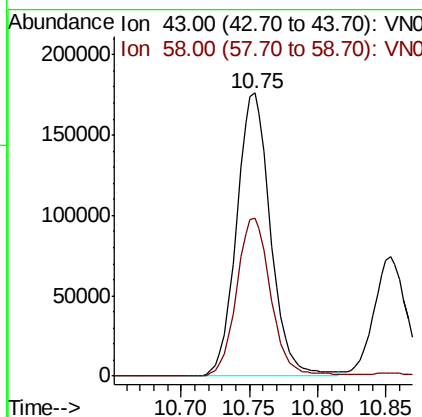
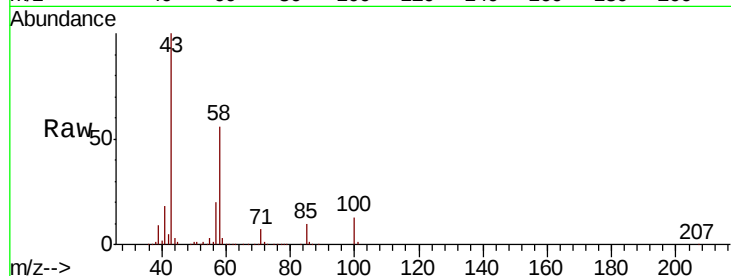




#59
2-Hexanone
Concen: 96.739 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

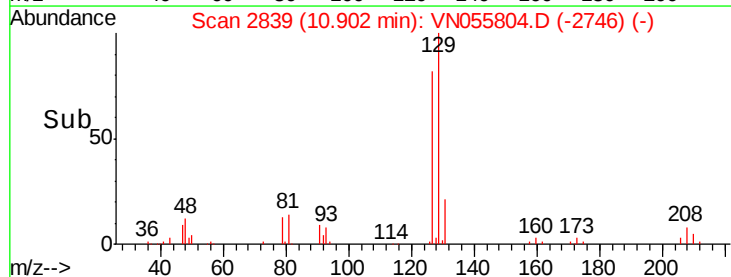
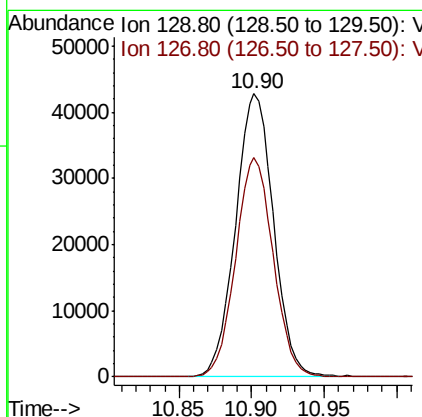
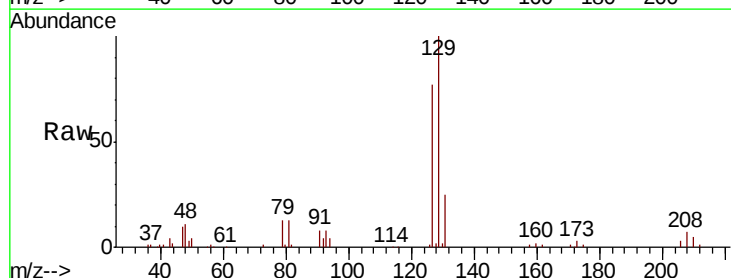
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

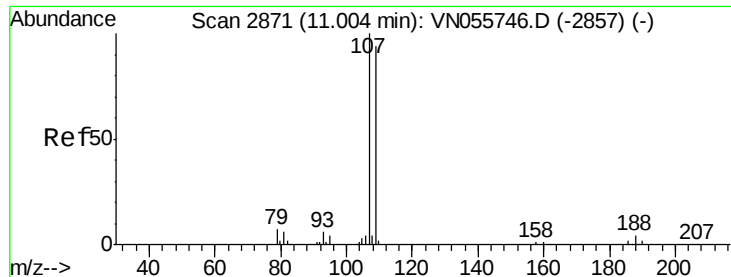
Tot Ion: 43 Resp: 302853
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7



#60
Dibromochloromethane
Concen: 19.143 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 129 Resp: 77918
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3

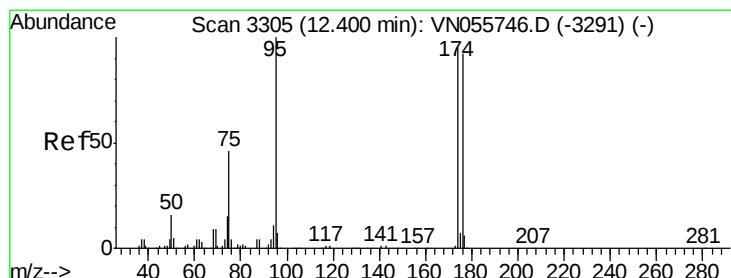
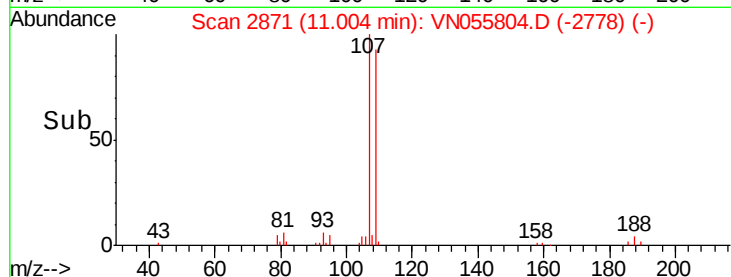
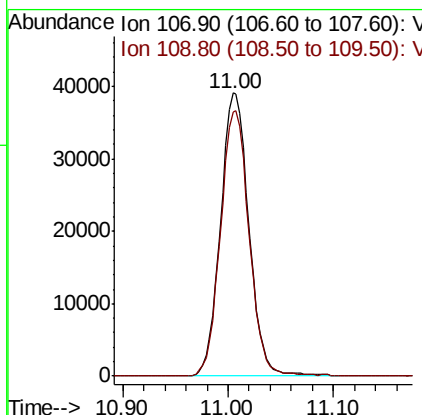
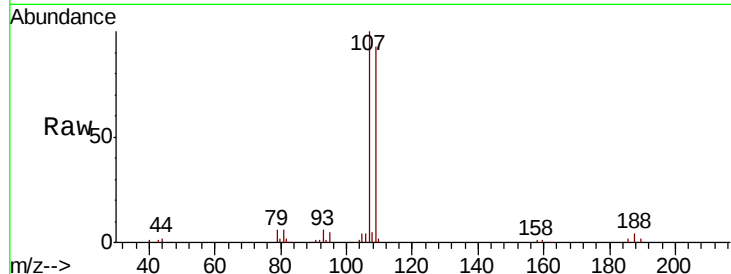




#61
 1,2-Dibromoethane
 Concen: 20.057 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

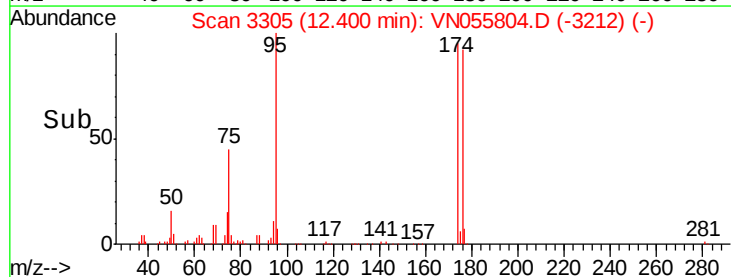
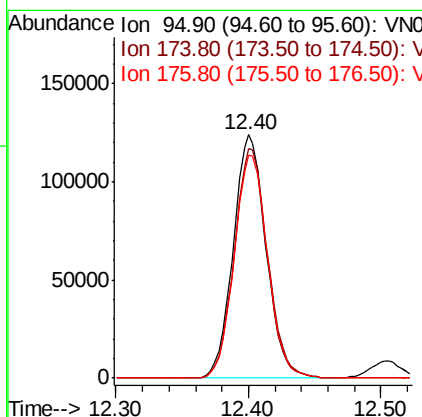
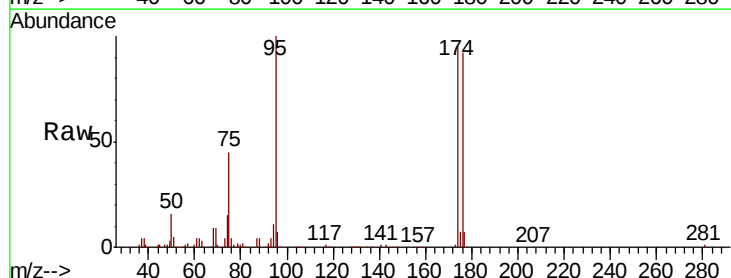
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

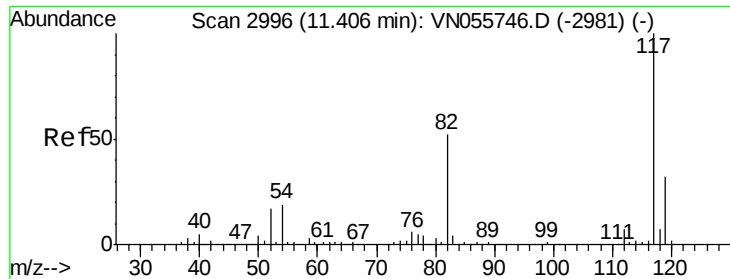
Tot Ion:107 Resp: 72690
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 48.391 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion: 95 Resp: 212473
 Ion Ratio Lower Upper
 95 100
 174 95.9 0.0 191.0
 176 93.4 0.0 185.2

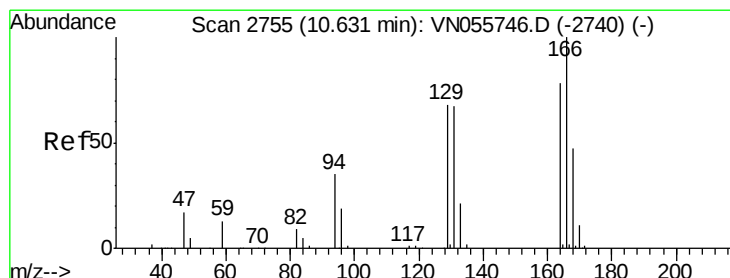
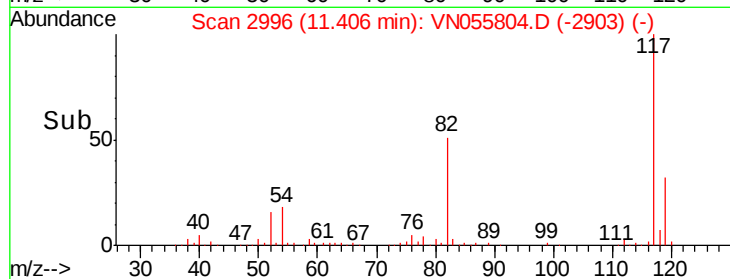
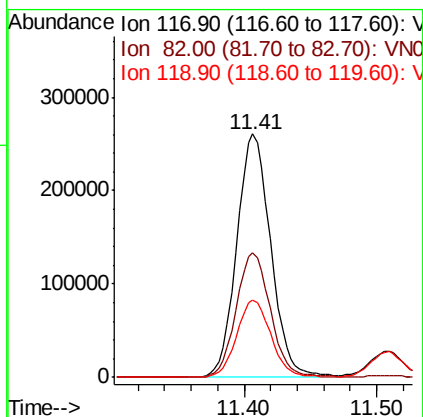
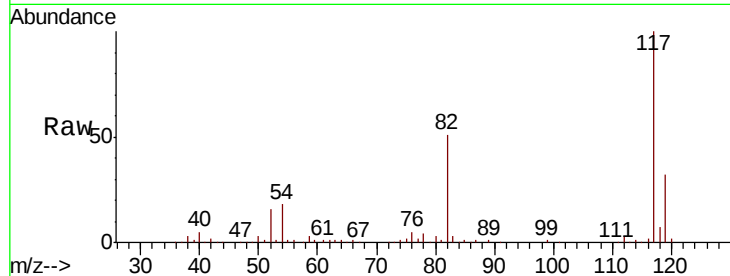




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

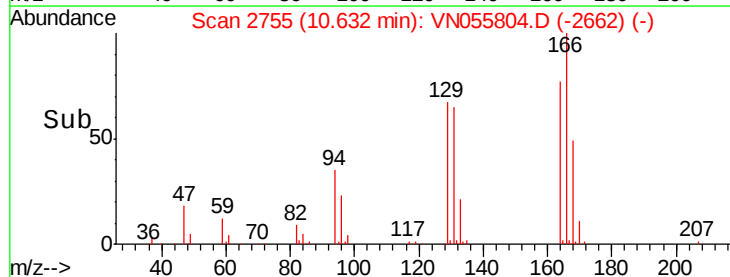
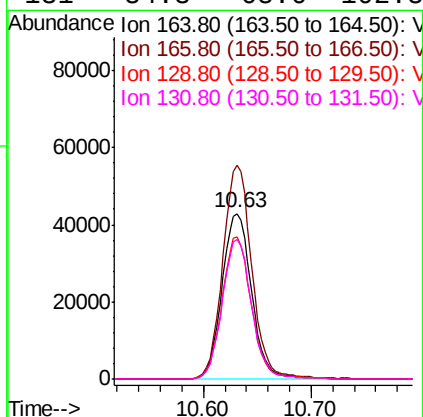
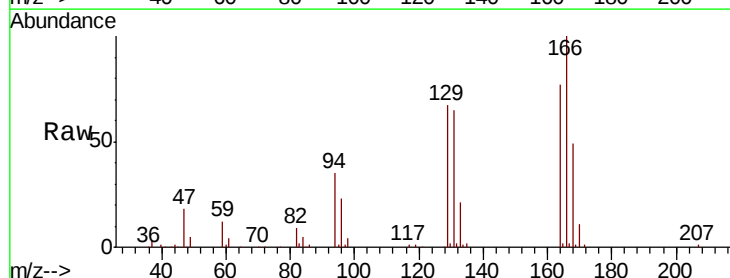
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

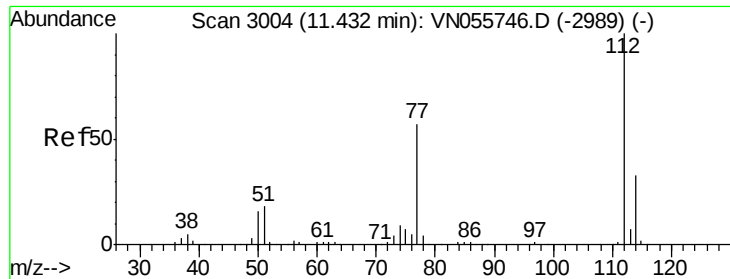
Tot Ion:117 Resp: 465729
Ion Ratio Lower Upper
117 100
82 51.2 41.8 62.8
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 20.865 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion:164 Resp: 81959
Ion Ratio Lower Upper
164 100
166 129.0 103.0 154.6
129 85.9 70.6 105.8
131 84.3 68.6 102.8

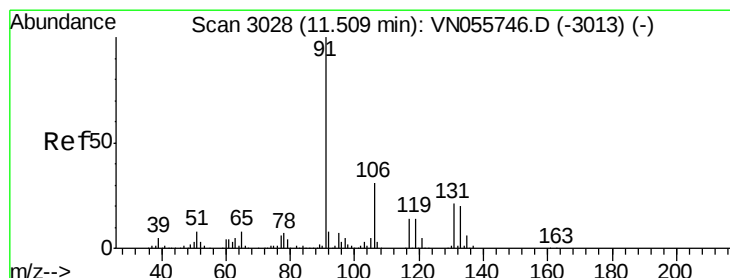
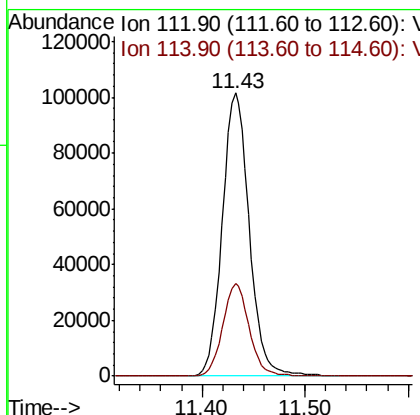
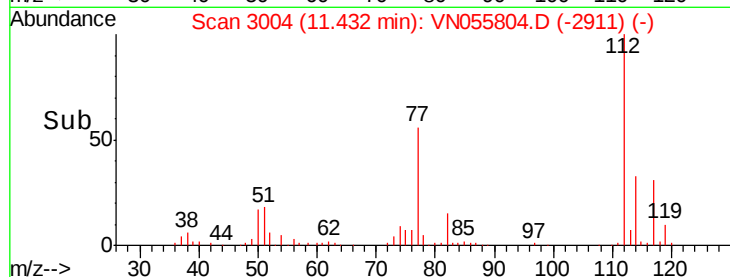
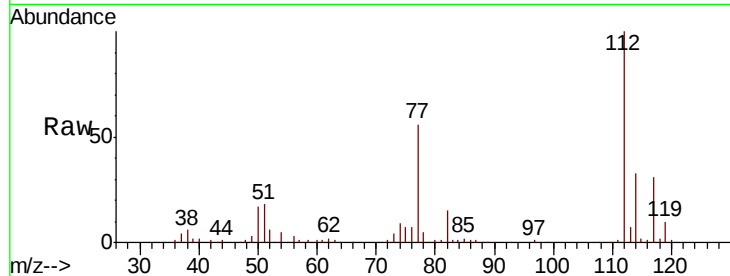




#65
Chlorobenzene
Concen: 19.850 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

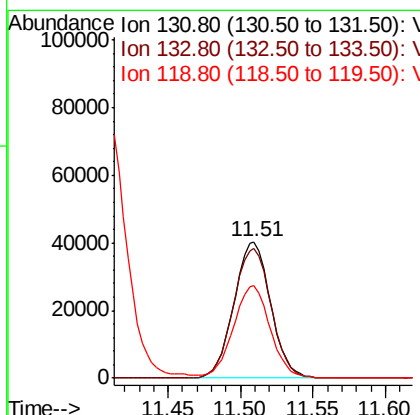
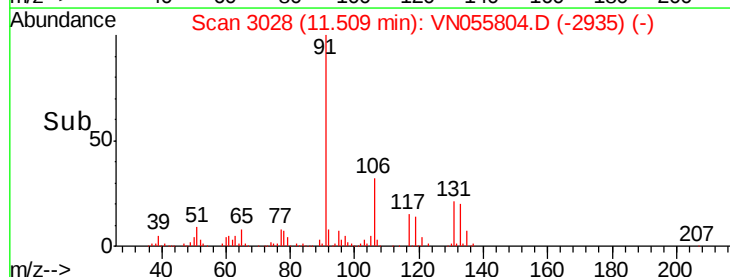
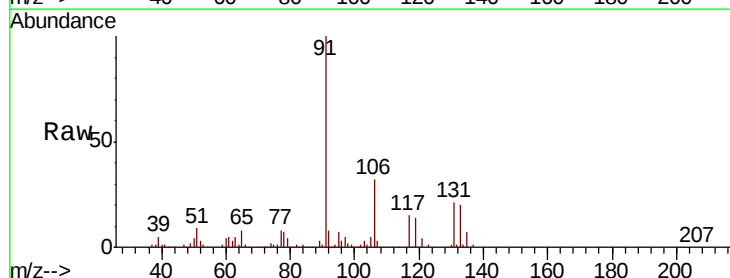
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

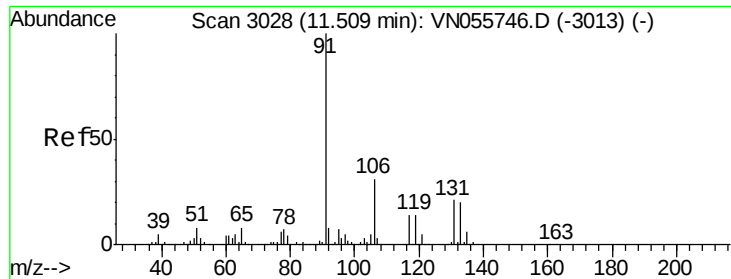
Tot Ion:112 Resp: 185071
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.076 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion:131 Resp: 70934
Ion Ratio Lower Upper
131 100
133 97.3 48.0 144.0
119 67.9 33.1 99.5

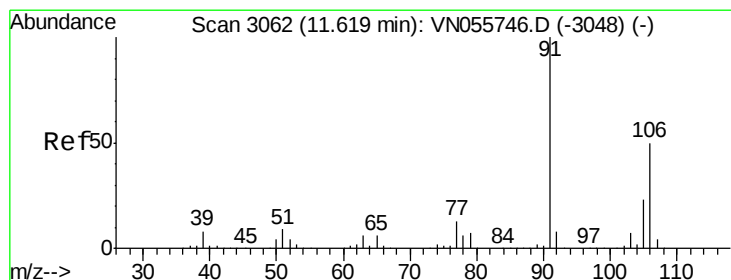
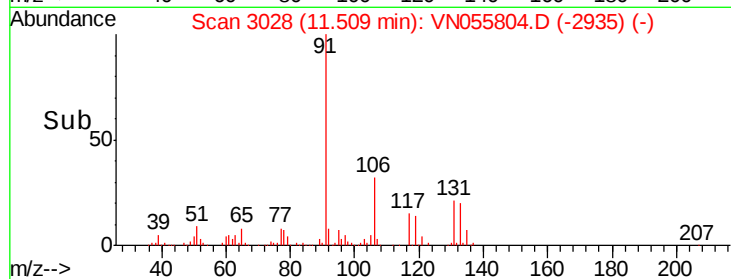
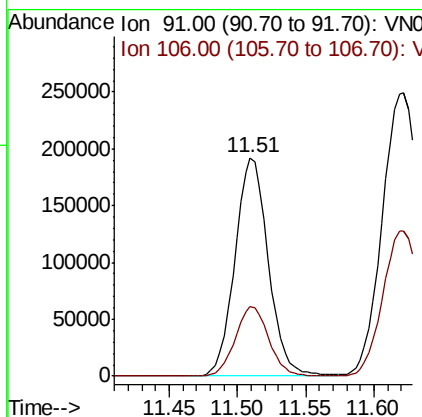
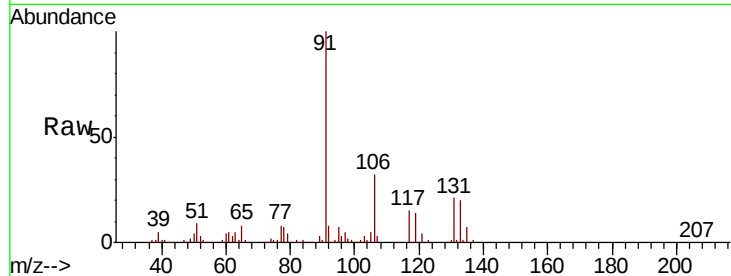




#67
Ethyl Benzene
Concen: 19.513 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

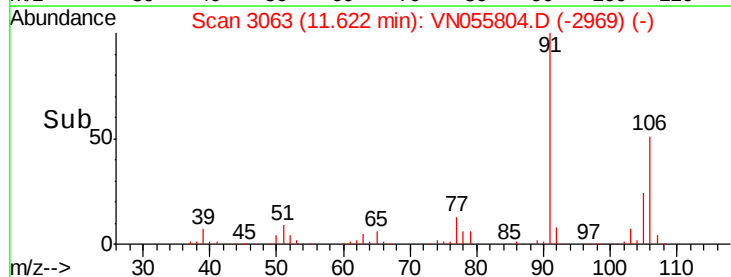
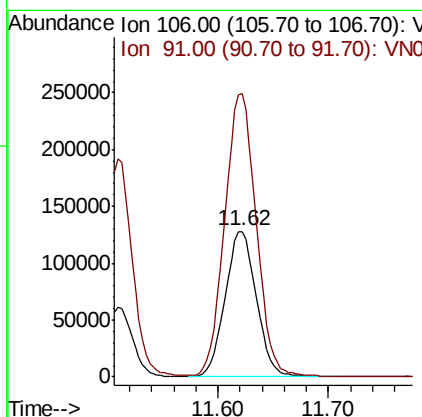
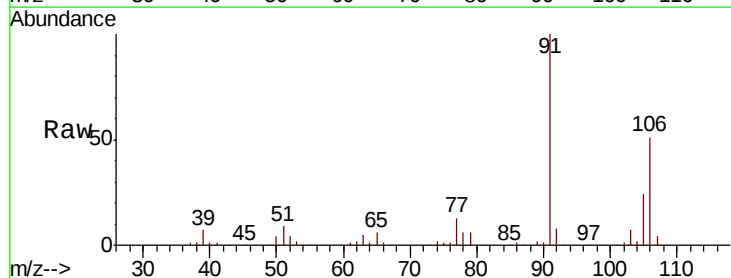
Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD02

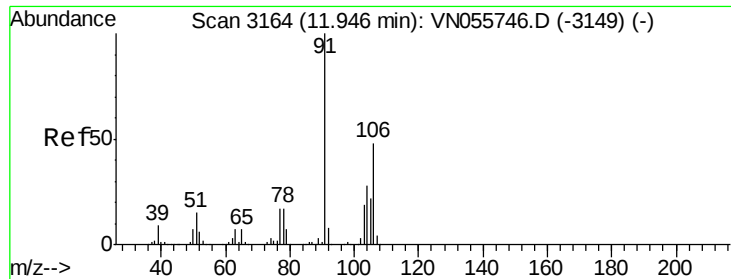
Tot Ion: 91 Resp: 326244
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7



#68
m/p-Xylenes
Concen: 39.913 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 106 Resp: 252283
Ion Ratio Lower Upper
106 100
91 196.3 159.3 238.9

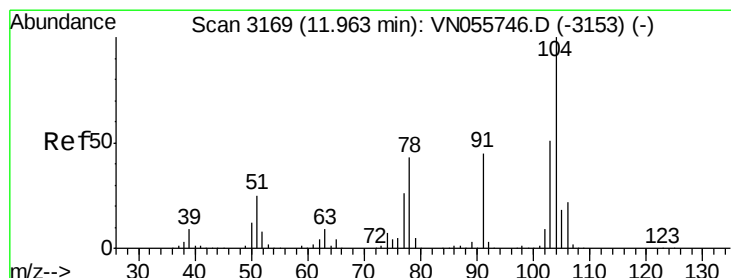
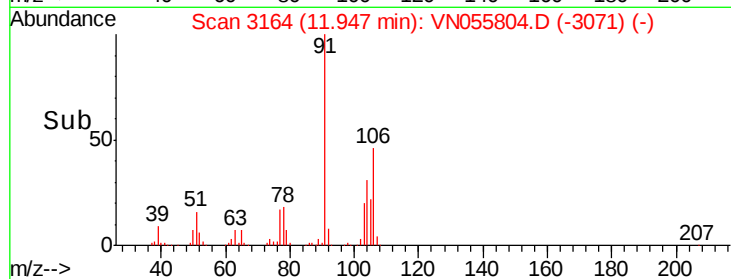
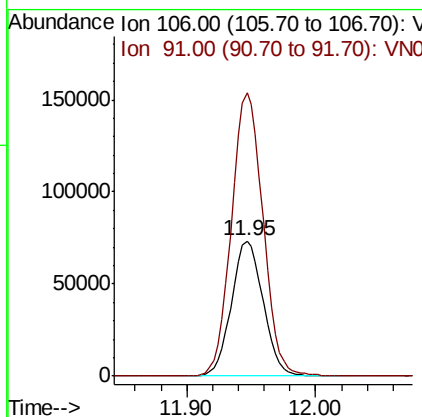
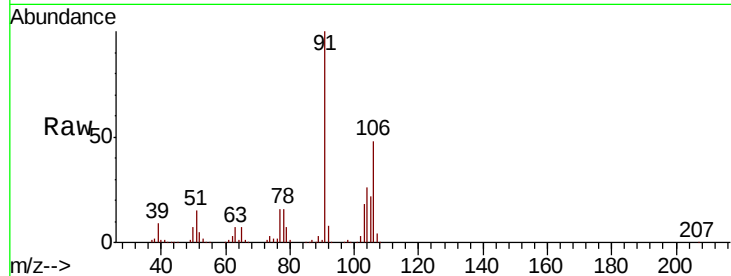




#69
o-Xylene
Concen: 19.985 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

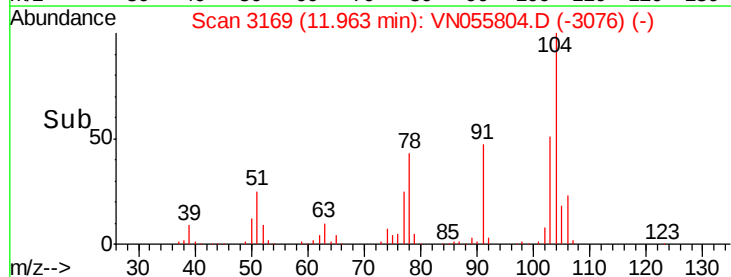
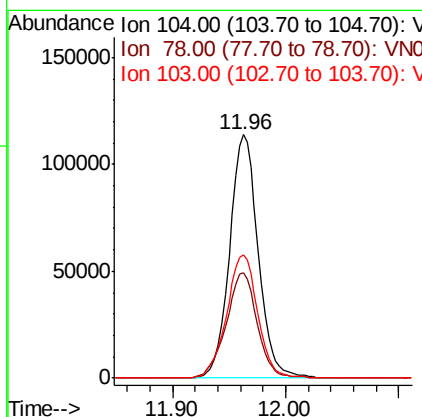
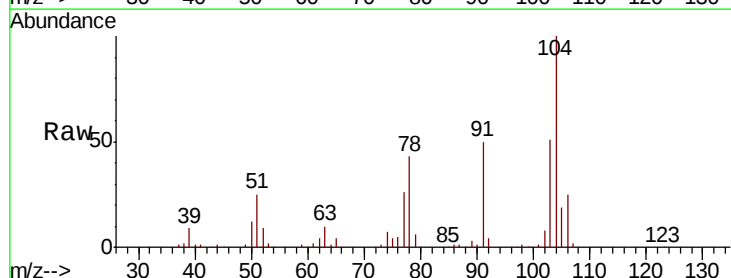
Instrument :
MSVOA_N
ClientSampled :
VN0524WBSD02

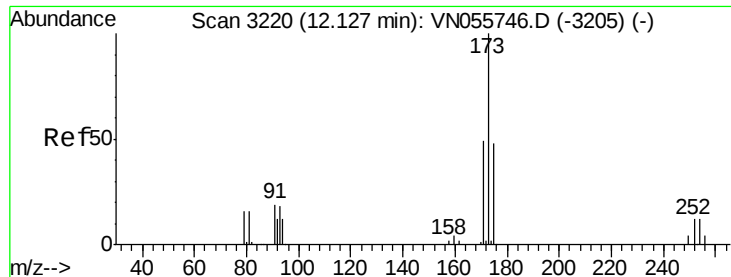
Tot Ion:106 Resp: 125329
Ion Ratio Lower Upper
106 100
91 208.4 104.7 314.1



#70
Styrene
Concen: 19.668 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion:104 Resp: 199741
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.2 44.2 66.2

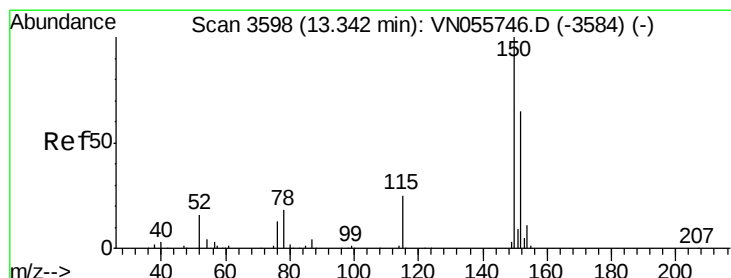
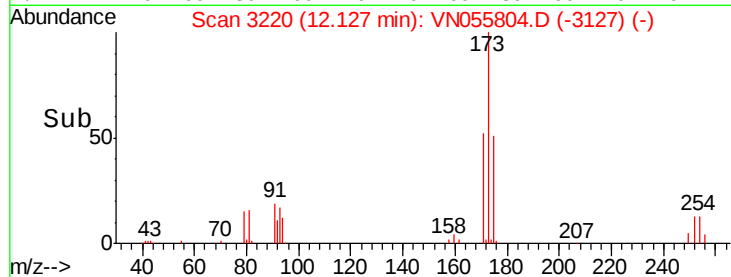
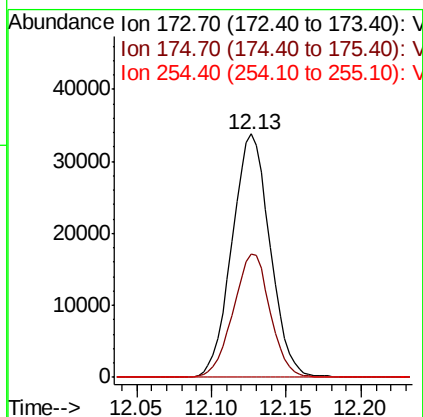
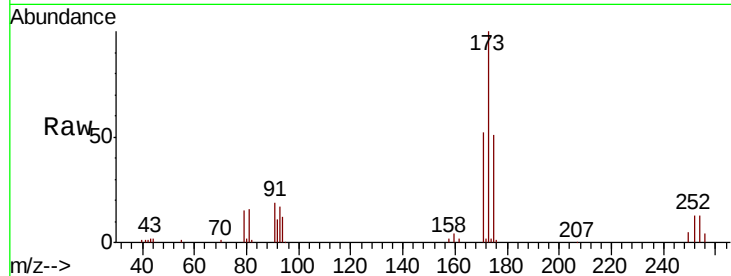




#71
Bromoform
Concen: 18.846 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

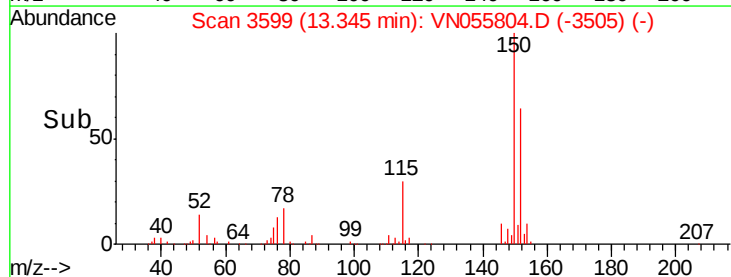
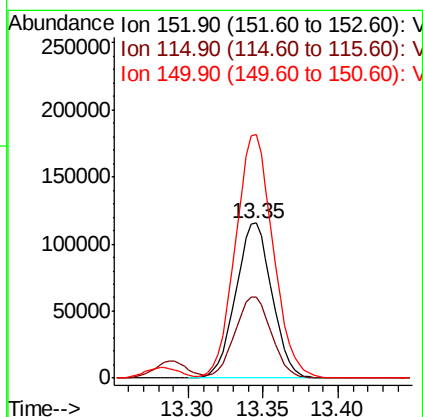
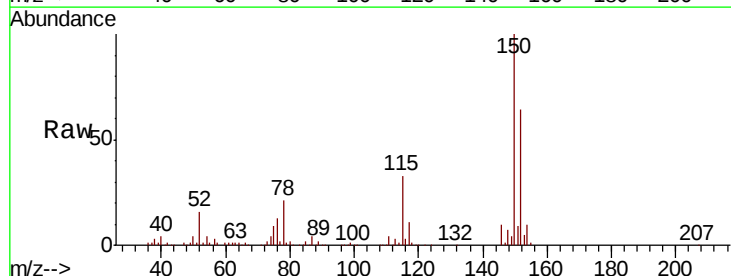
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

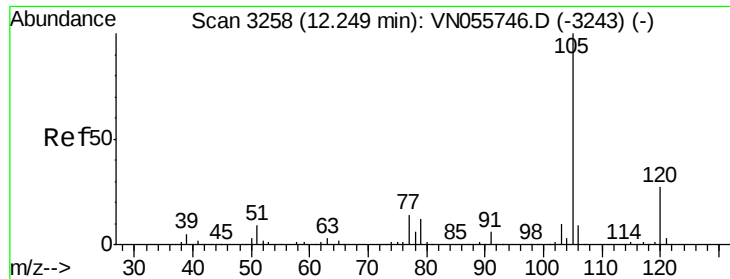
Tot Ion:173 Resp: 59773
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion:152 Resp: 194576
Ion Ratio Lower Upper
152 100
115 53.2 27.0 81.0
150 163.8 0.0 343.2





#73

Isopropylbenzene

Concen: 22.111 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

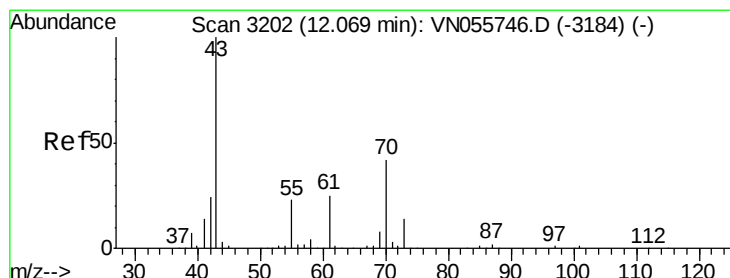
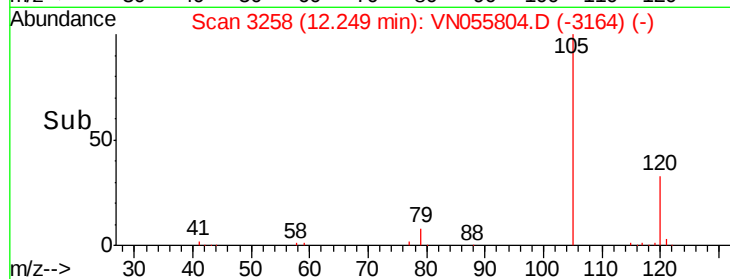
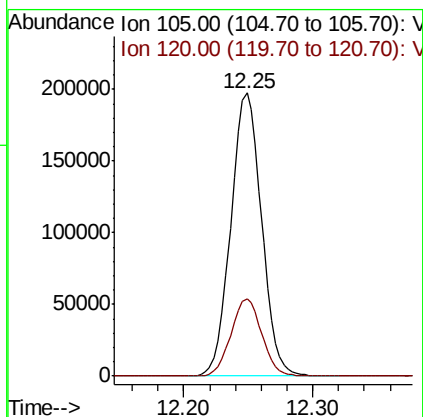
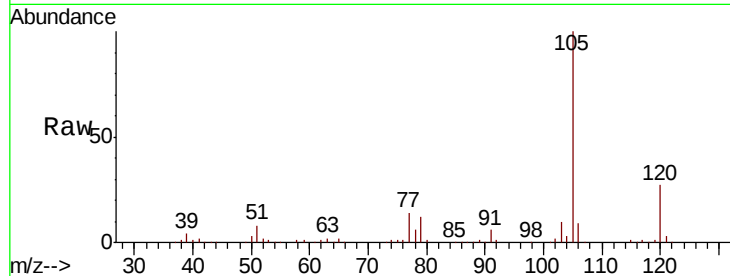
VN0524WBSD02

Tot Ion:105 Resp: 326629

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 20.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Tgt Ion: 43 Resp: 113915

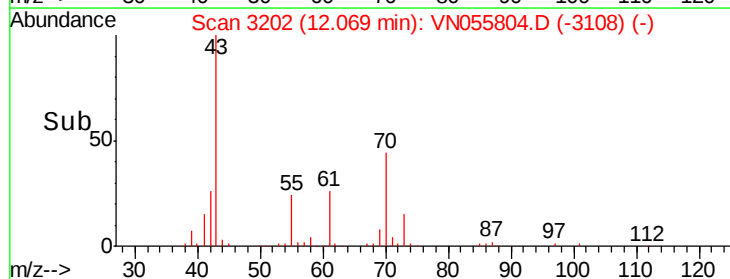
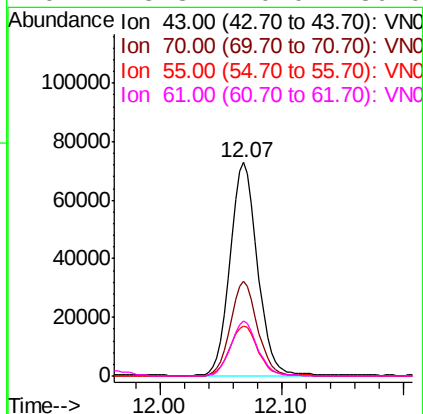
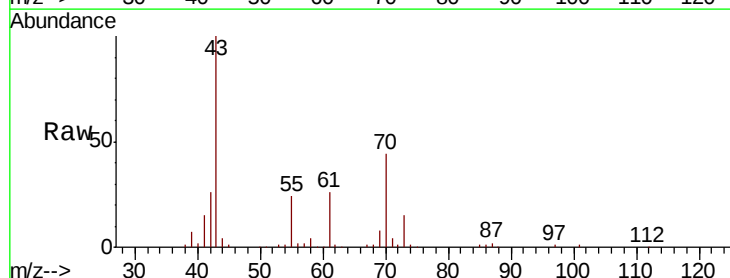
Ion Ratio Lower Upper

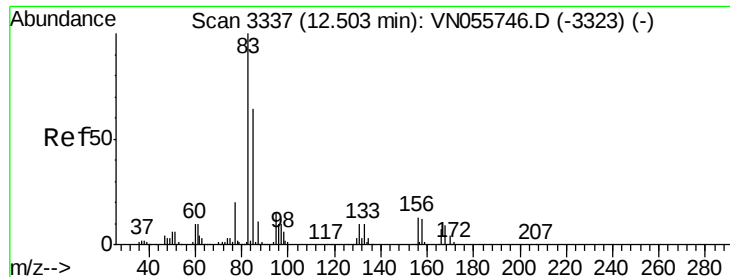
43 100

70 43.9 34.0 51.0

55 24.6 18.6 28.0

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.793 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

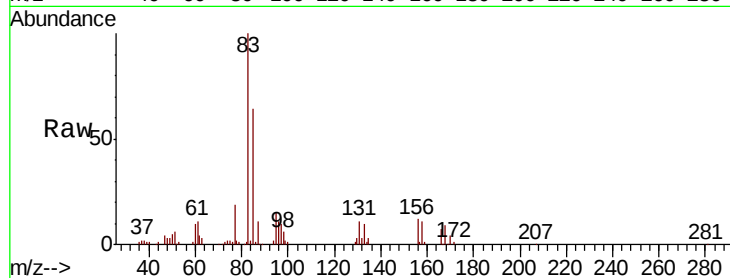
Tot Ion: 83 Resp: 96993

Ion Ratio Lower Upper

83 100

131 11.3 5.4 16.2

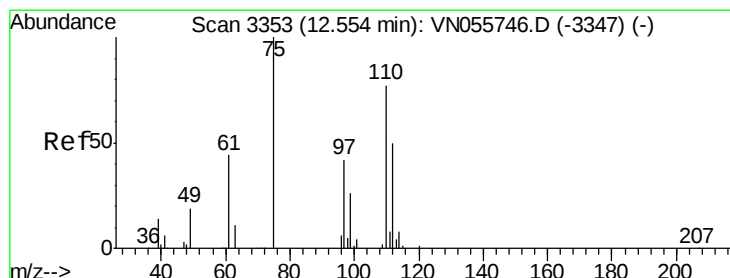
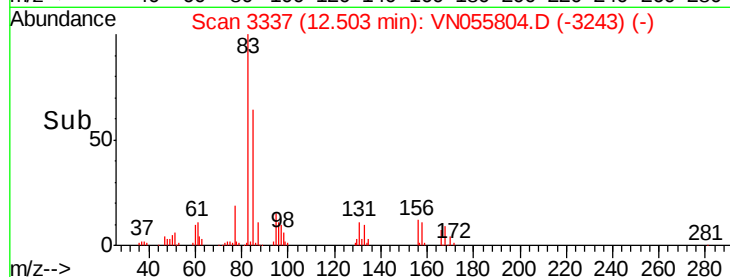
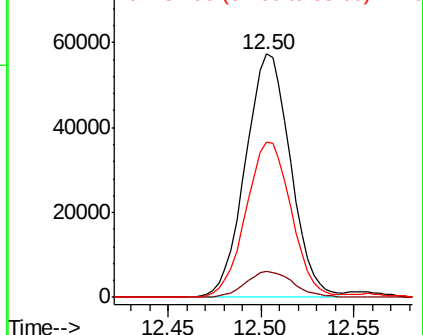
85 64.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055804.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055804.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055804.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 33.509 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055804.D

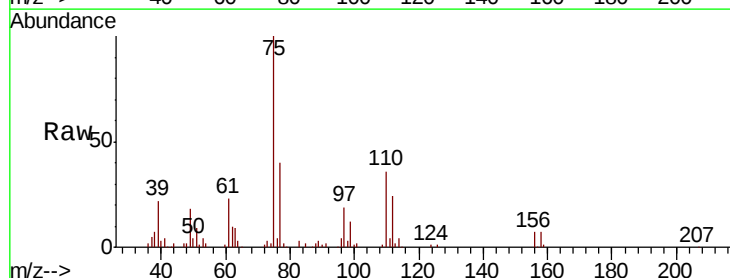
Acq: 24 May 2019 18:38

Tgt Ion: 75 Resp: 115748

Ion Ratio Lower Upper

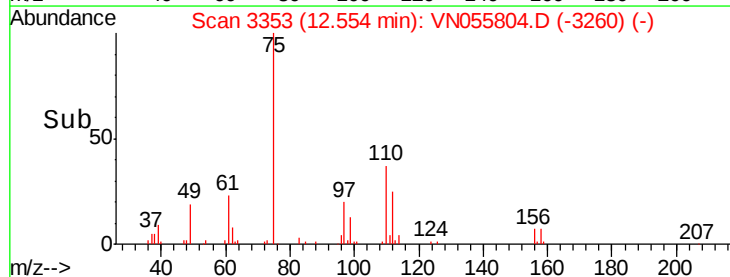
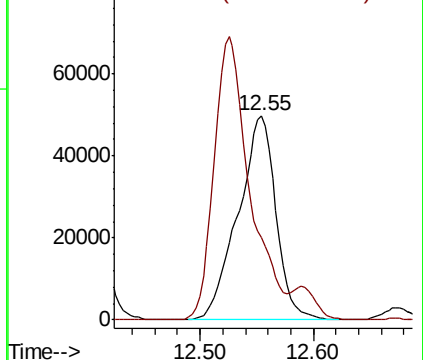
75 100

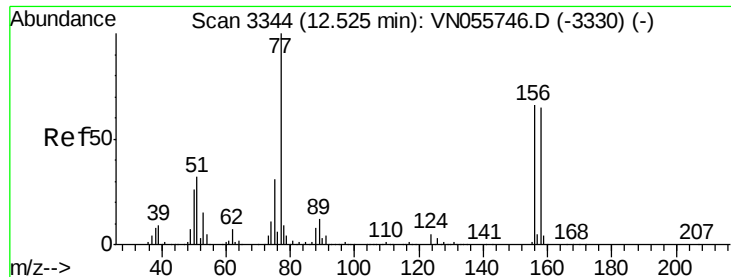
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055804.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055804.D (-3260) (-)





#77

Bromobenzene

Concen: 20.624 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

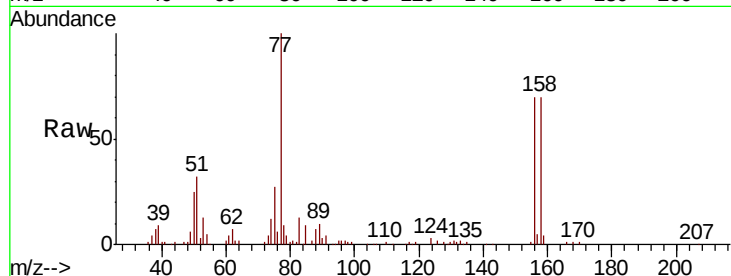
Tot Ion:156 Resp: 85633

Ion Ratio Lower Upper

156 100

77 176.5 90.8 272.5

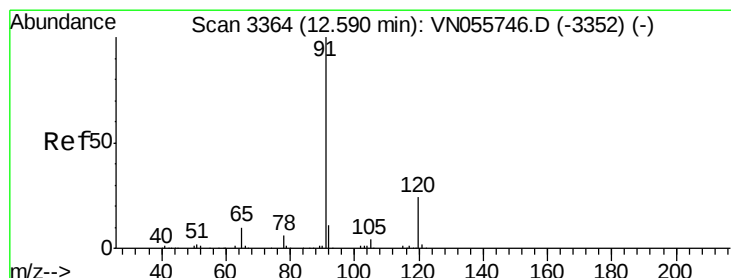
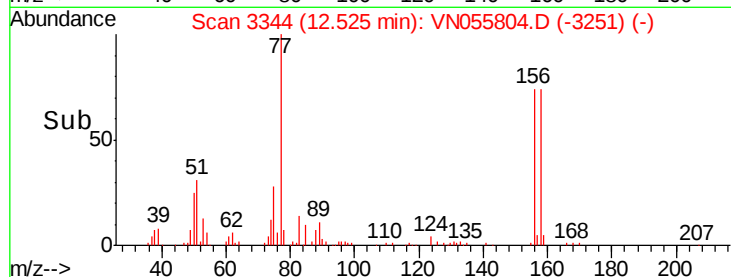
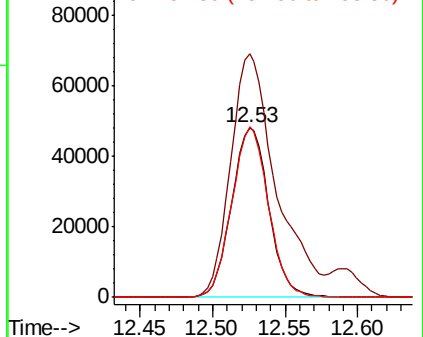
158 99.3 49.3 147.8



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: 19.719 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055804.D

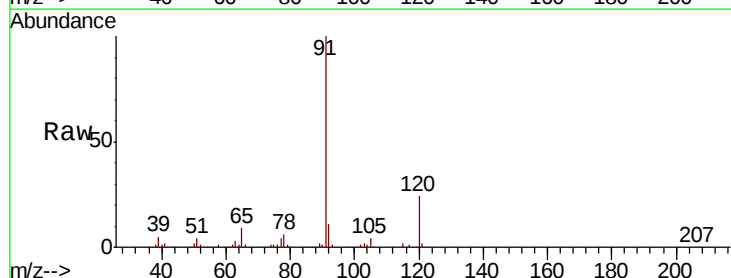
Acq: 24 May 2019 18:38

Tgt Ion: 91 Resp: 333473

Ion Ratio Lower Upper

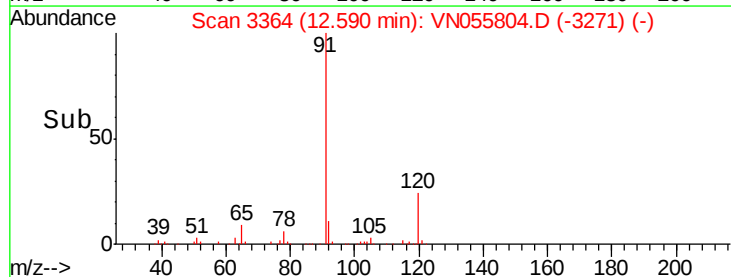
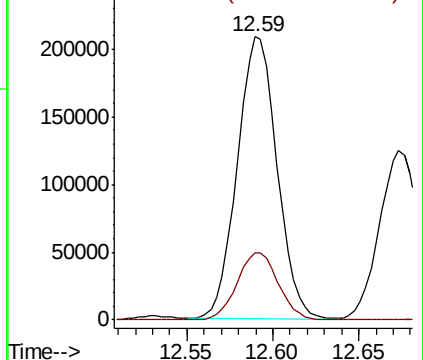
91 100

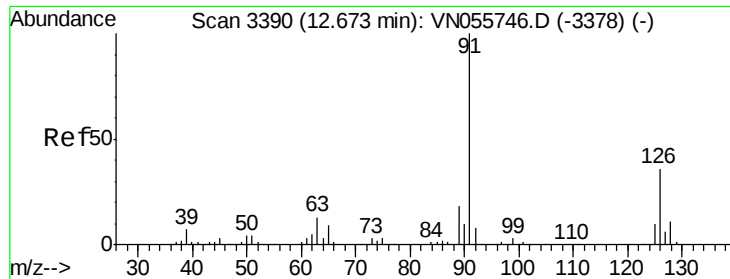
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

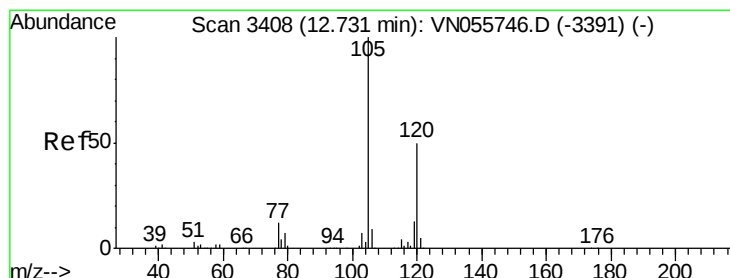
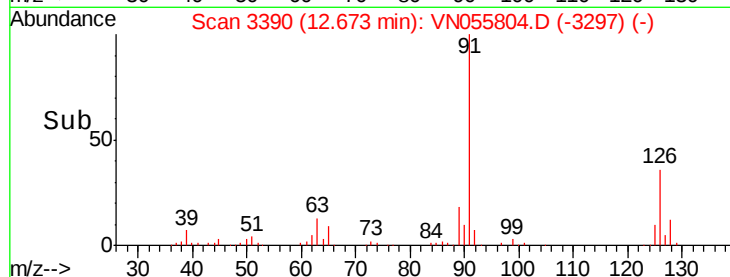
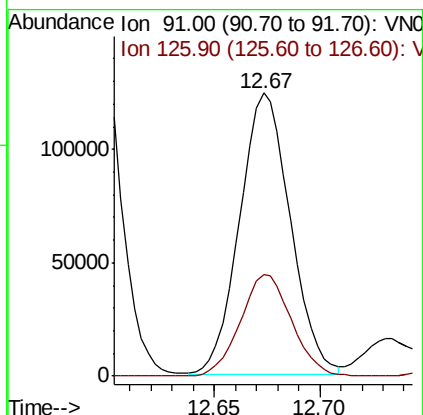
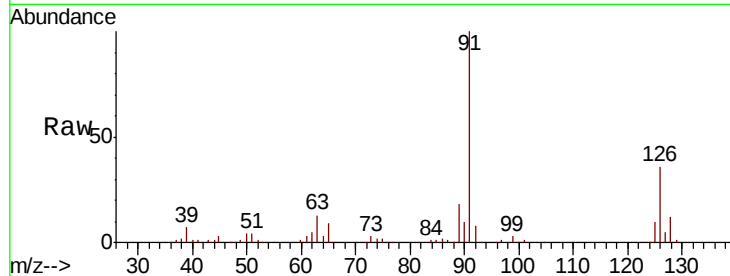




#79
 2-Chlorotoluene
 Concen: 21.392 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

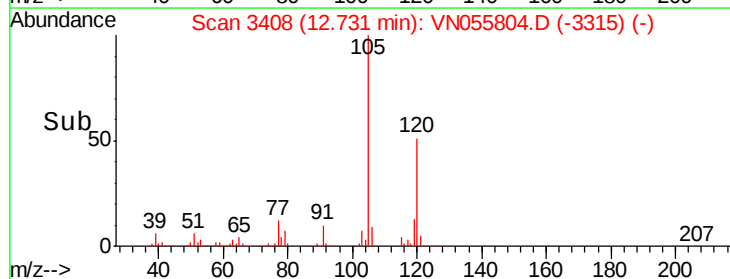
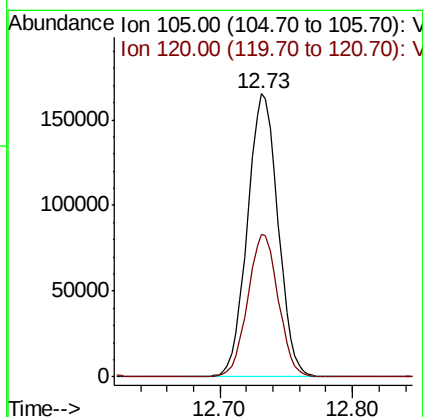
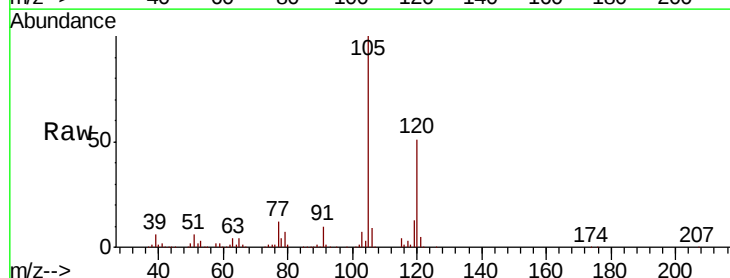
Instrument :
 MSVOA_N
 ClientSampled :
 VN0524WBSD02

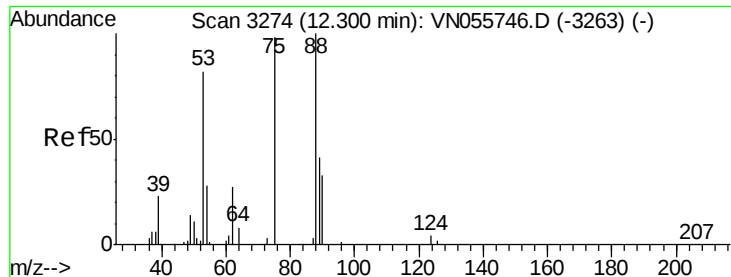
Tot Ion: 91 Resp: 208145
 Ion Ratio Lower Upper
 91 100
 126 36.3 18.1 54.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.322 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion: 105 Resp: 265517
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 17.674 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

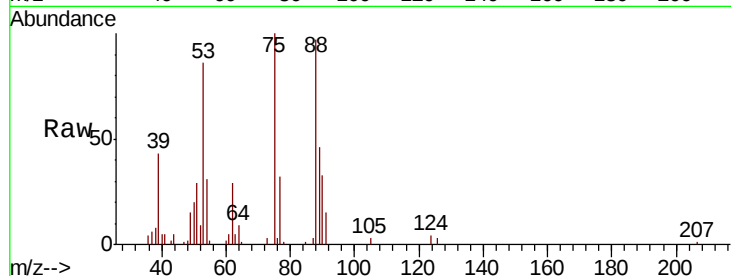
Tot Ion: 75 Resp: 25559

Ion Ratio Lower Upper

75 100

53 89.5 68.1 102.1

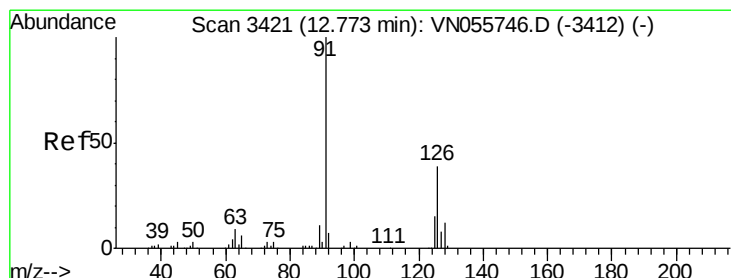
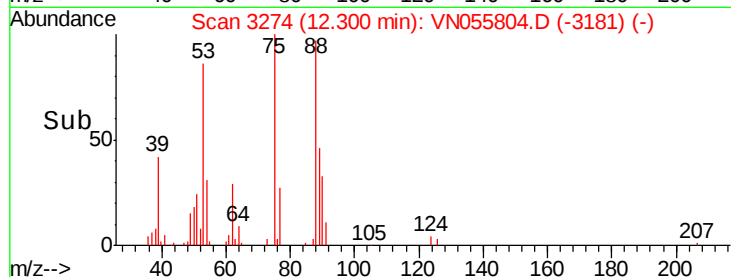
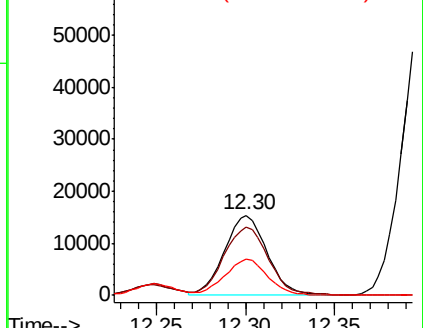
89 44.8 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.859 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055804.D

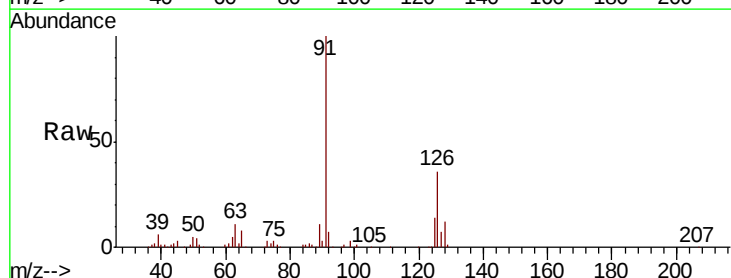
Acq: 24 May 2019 18:38

Tgt Ion: 91 Resp: 197415

Ion Ratio Lower Upper

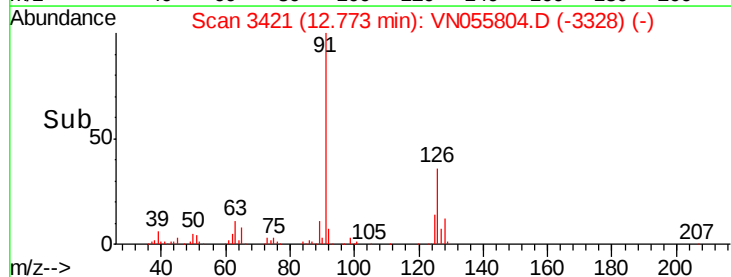
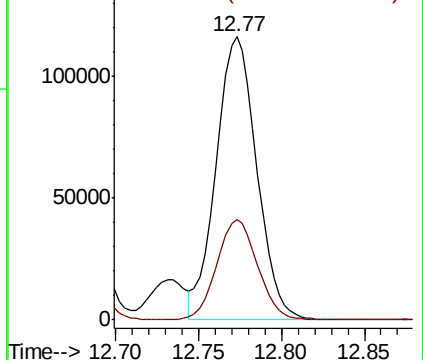
91 100

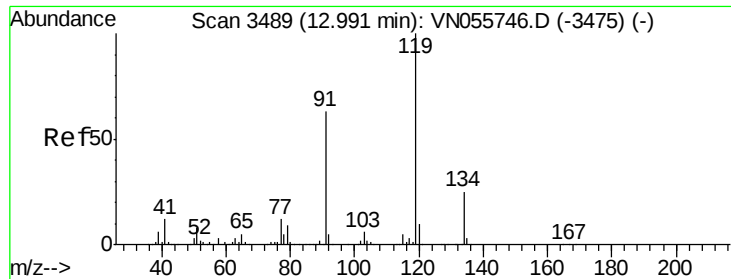
126 35.7 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

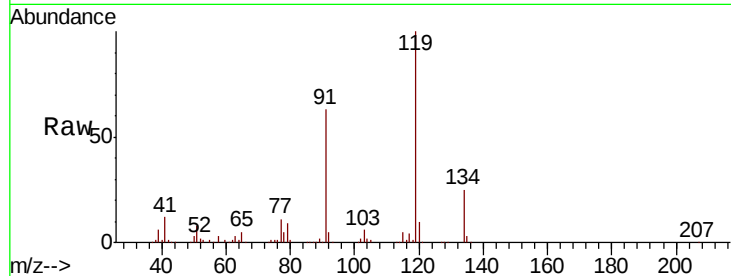




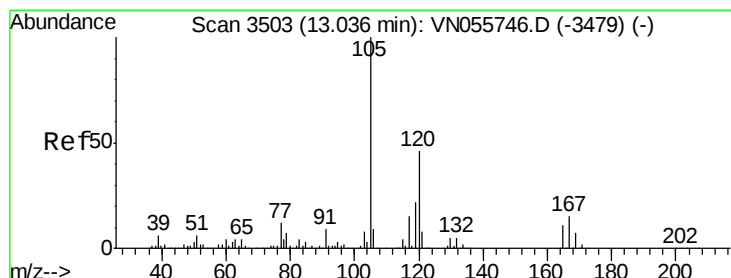
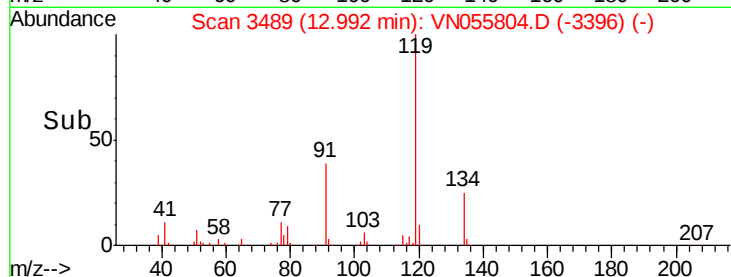
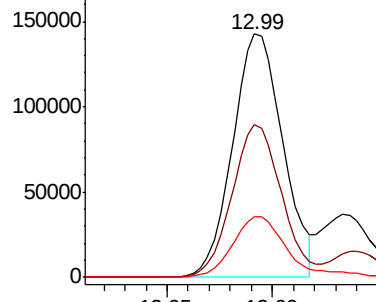
#83
tert-Butylbenzene
Concen: 21.832 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion:119 Resp: 237030
Ion Ratio Lower Upper
119 100
91 61.5 30.9 92.8
134 26.9 13.3 39.8

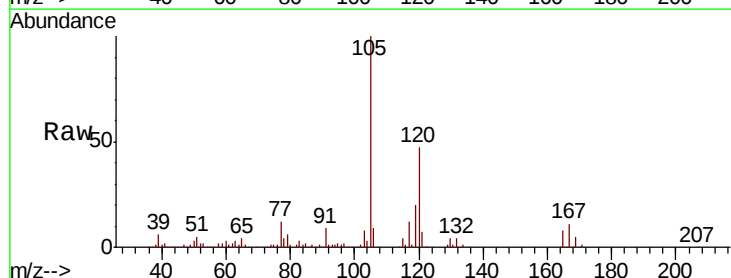


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

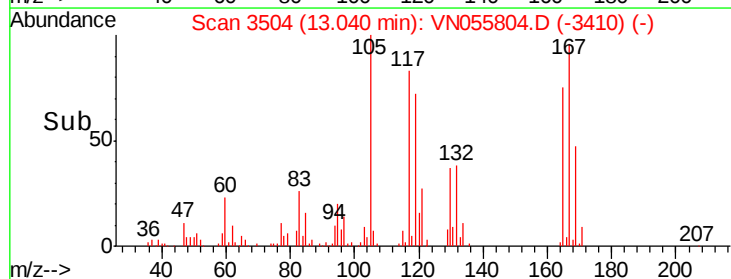
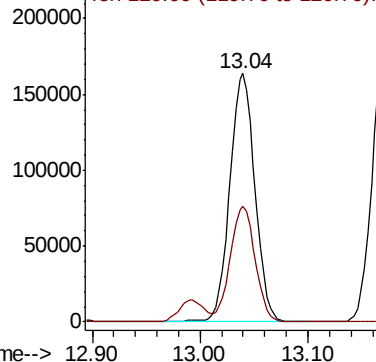


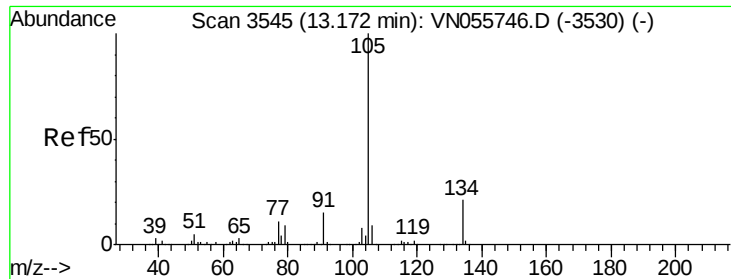
#84
1,2,4-Trimethylbenzene
Concen: 21.270 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion:105 Resp: 263044
Ion Ratio Lower Upper
105 100
120 46.5 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 21.152 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

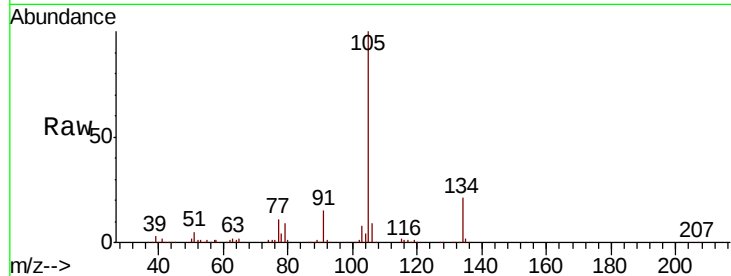
VN0524WBSD02

Tot Ion:105 Resp: 294907

Ion Ratio Lower Upper

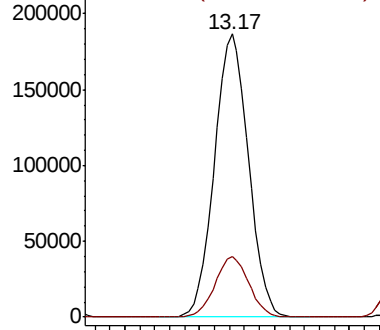
105 100

134 21.3 10.4 31.2

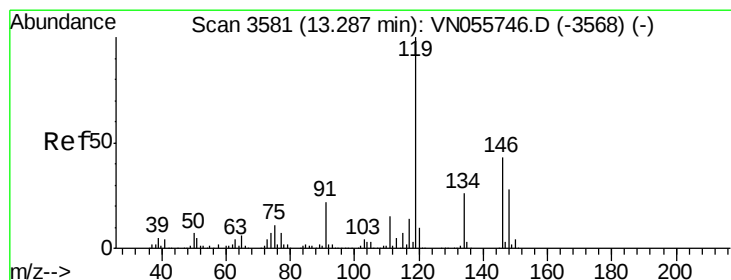
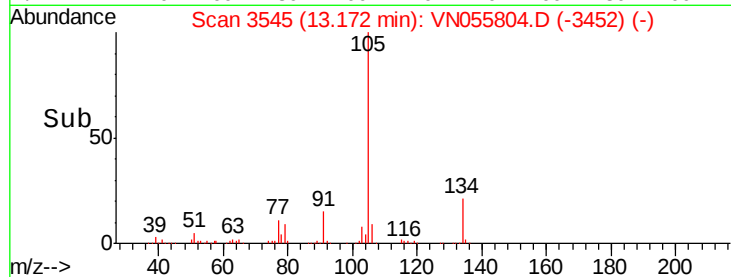


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.866 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

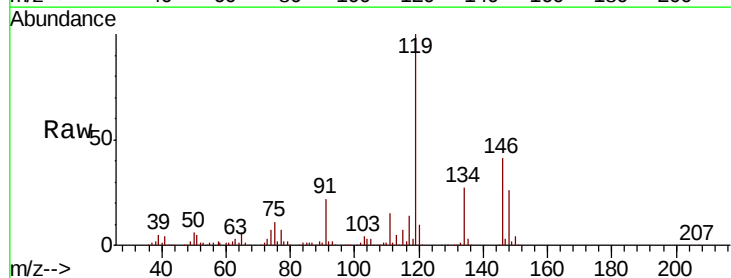
Tgt Ion:119 Resp: 268434

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

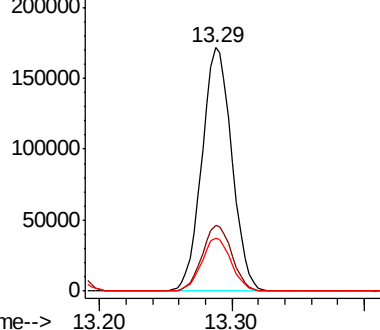
91 21.5 10.9 32.9



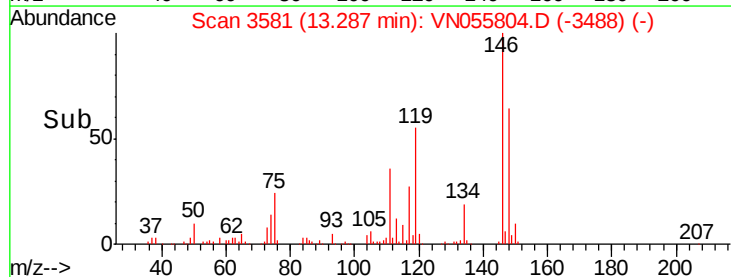
Abundance Ion 119.00 (118.70 to 119.70): V

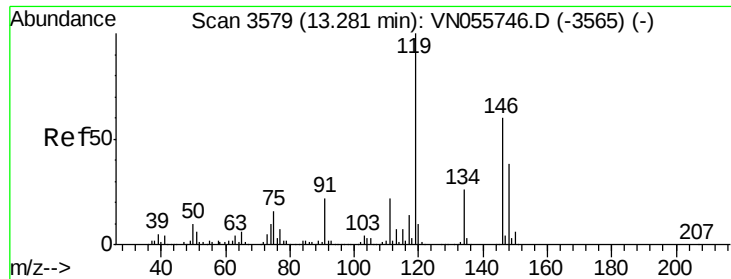
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

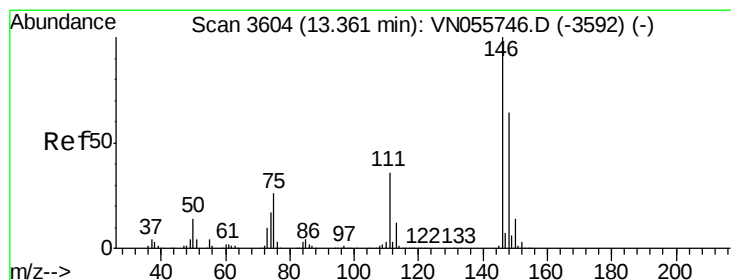
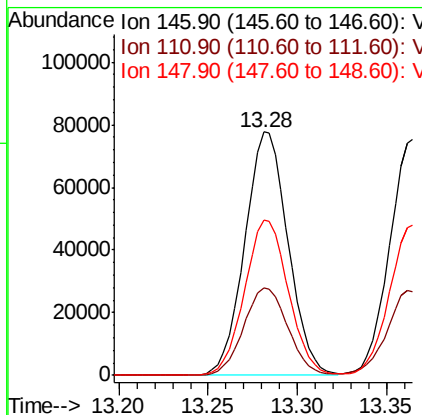
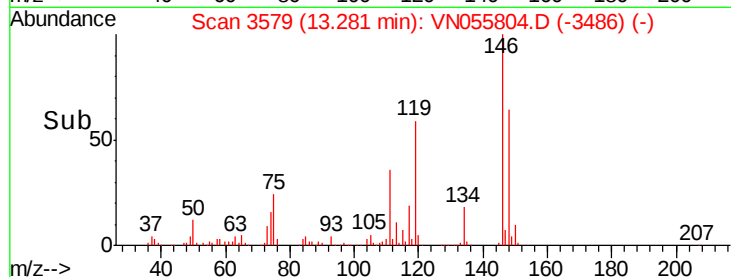
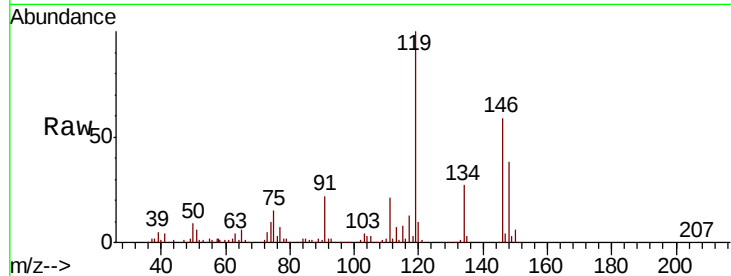




#87
 1,3-Dichlorobenzene
 Concen: 20.048 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

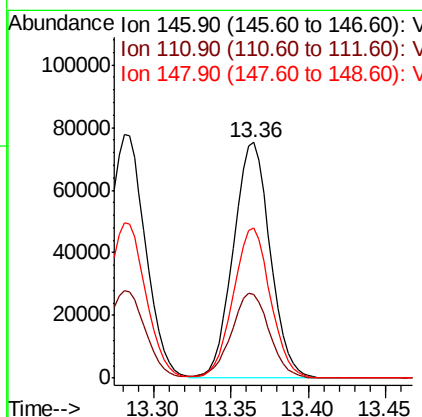
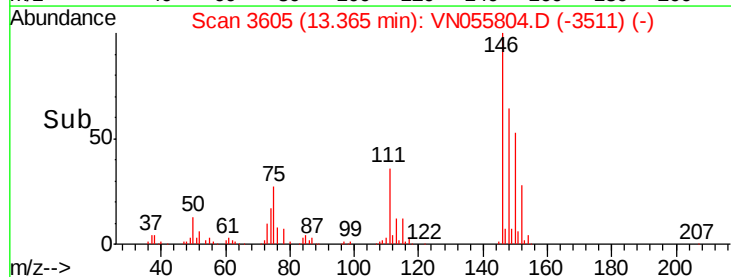
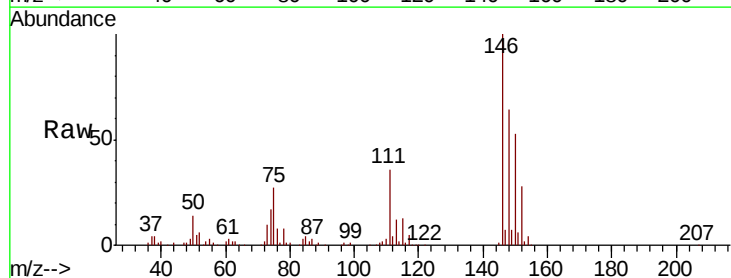
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBSD02

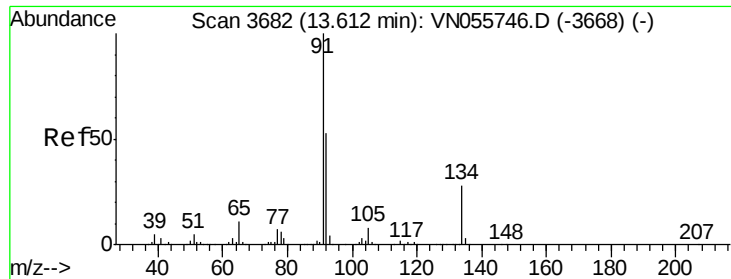
Tot Ion:146 Resp: 131804
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.5 55.5
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.936 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055804.D
 Acq: 24 May 2019 18:38

Tgt Ion:146 Resp: 124615
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.1 54.4
 148 64.2 32.1 96.5

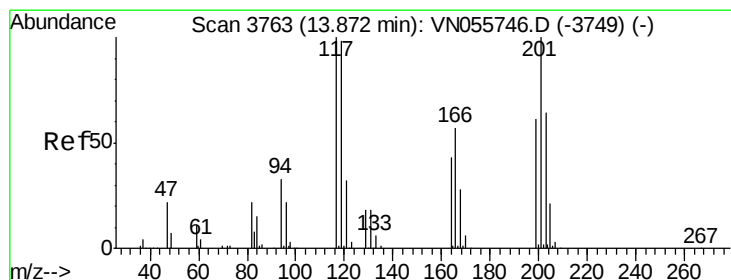
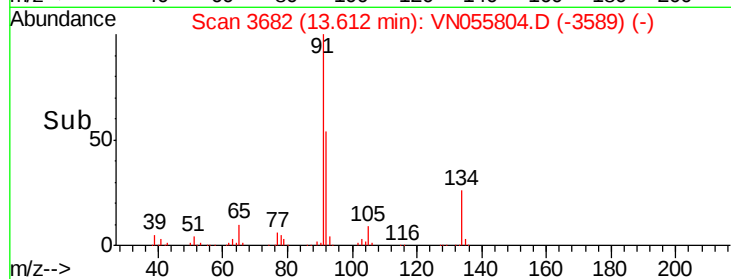
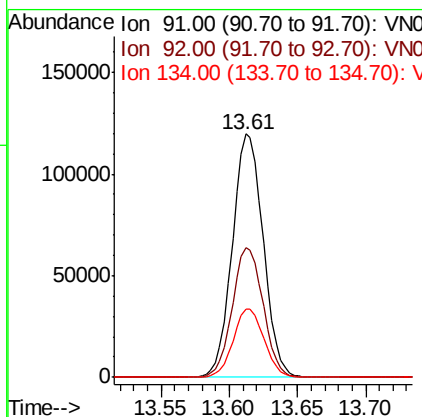
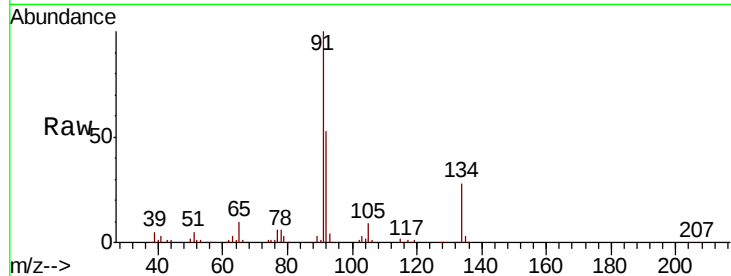




#89
n-Butylbenzene
Concen: 18.184 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

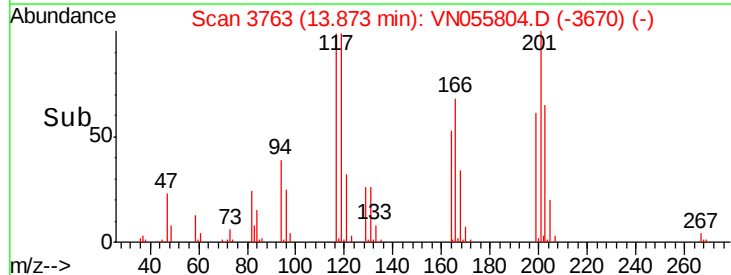
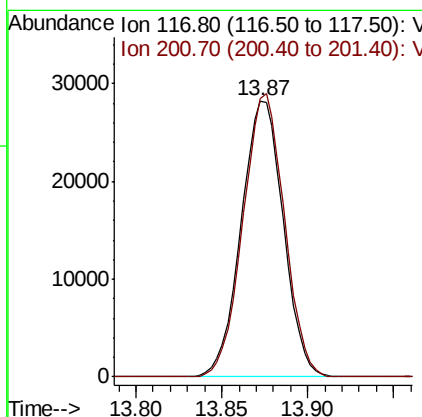
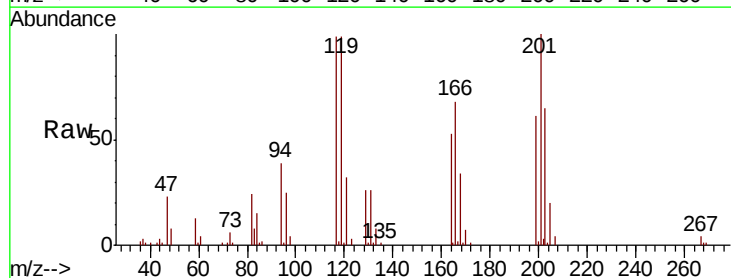
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBSD02

Tot Ion: 91 Resp: 188265
Ion Ratio Lower Upper
91 100
92 53.2 26.4 79.0
134 28.1 13.9 41.7



#90
Hexachloroethane
Concen: 18.679 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055804.D
Acq: 24 May 2019 18:38

Tgt Ion: 117 Resp: 48041
Ion Ratio Lower Upper
117 100
201 100.7 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.290 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampled :

VN0524WBSD02

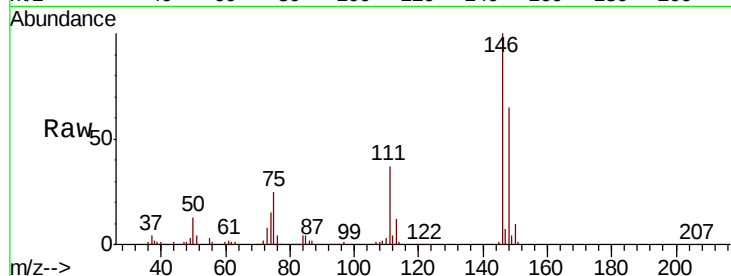
Tot Ion:146 Resp: 133088

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.5

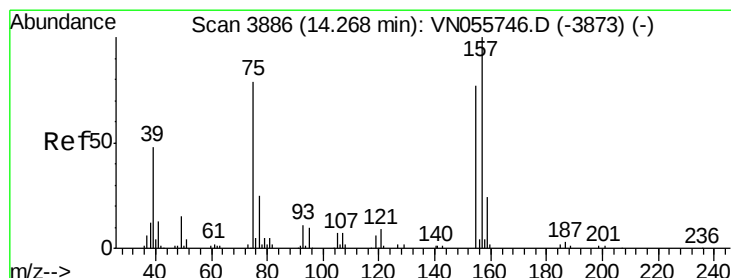
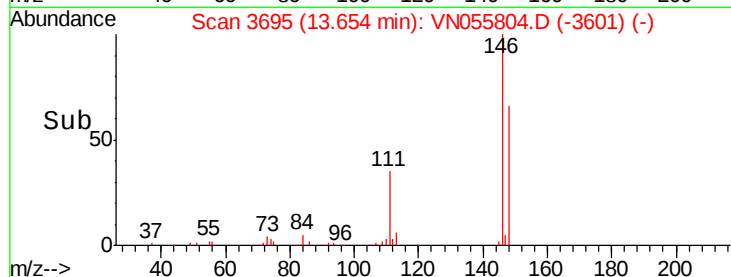
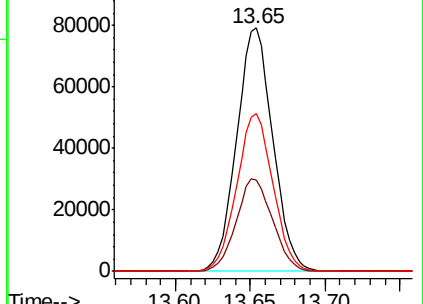
148 65.0 31.9 95.9



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: 19.269 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

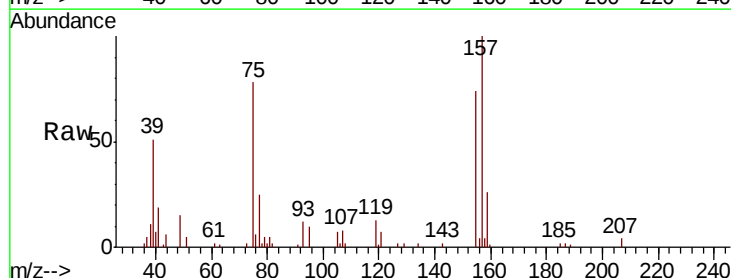
Tgt Ion: 75 Resp: 16613

Ion Ratio Lower Upper

75 100

155 98.9 50.0 150.1

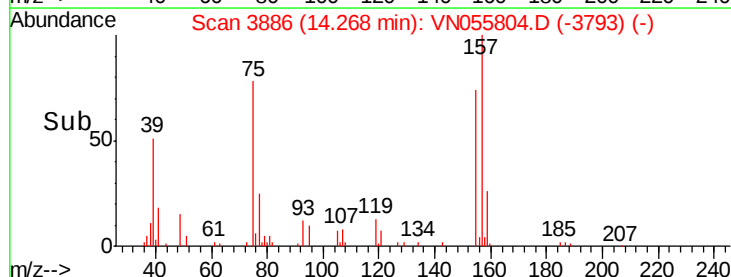
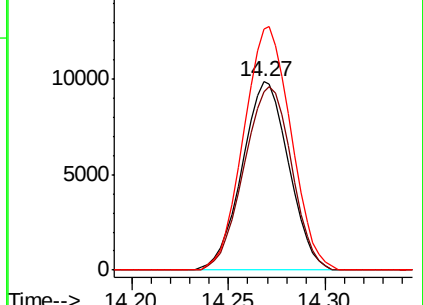
157 130.5 64.8 194.3

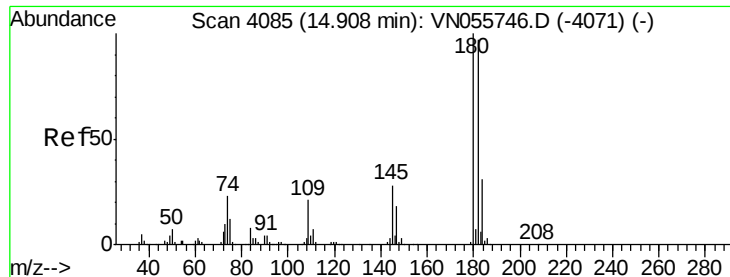


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.306 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

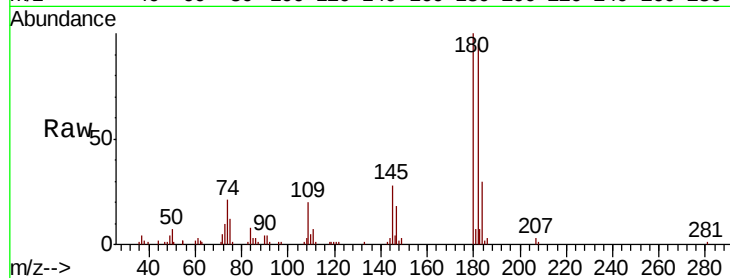
Tot Ion:180 Resp: 59703

Ion Ratio Lower Upper

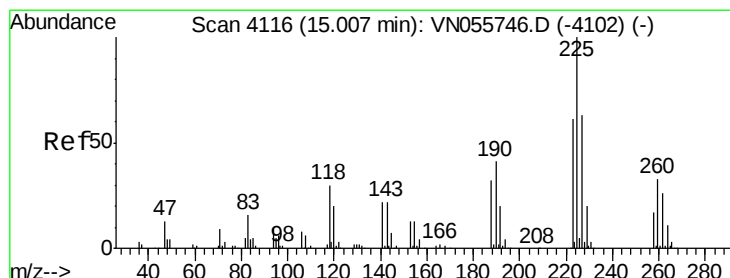
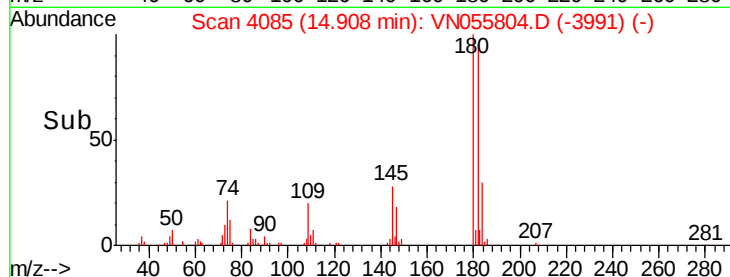
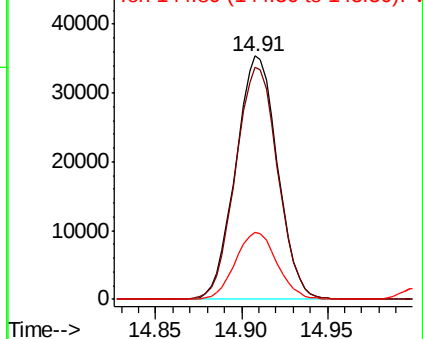
180 100

182 96.5 48.3 144.9

145 27.3 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: 20.365 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

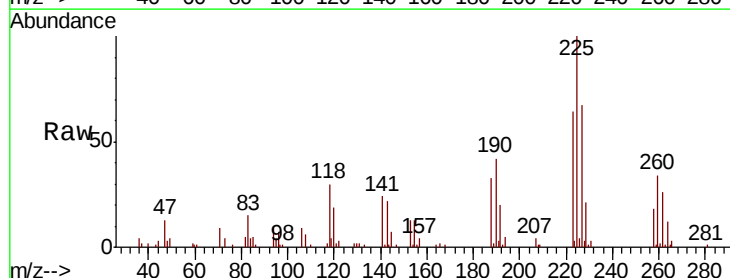
Tgt Ion:225 Resp: 49510

Ion Ratio Lower Upper

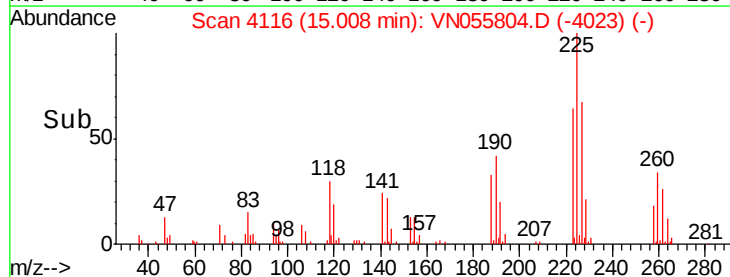
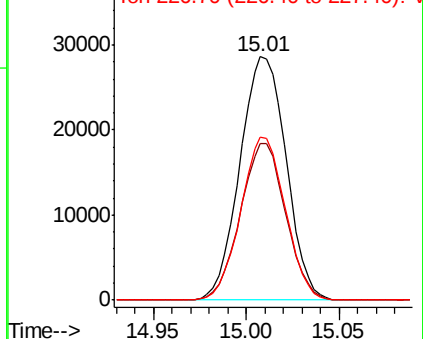
225 100

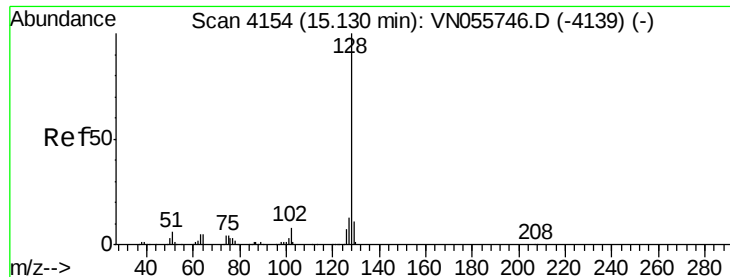
223 62.9 30.9 92.7

227 64.4 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: 18.274 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBSD02

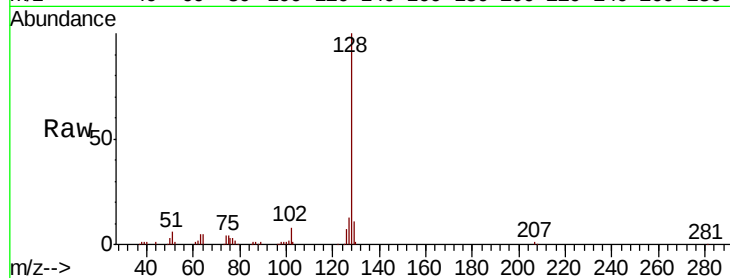
Tot Ion:128 Resp: 164478

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

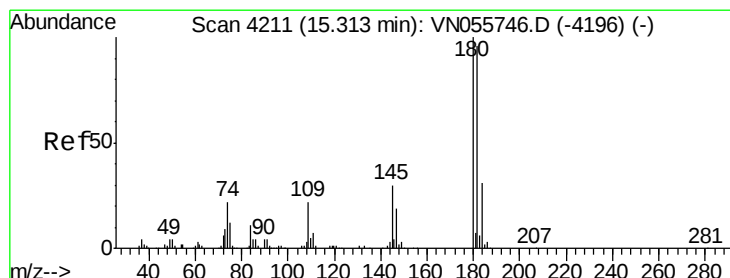
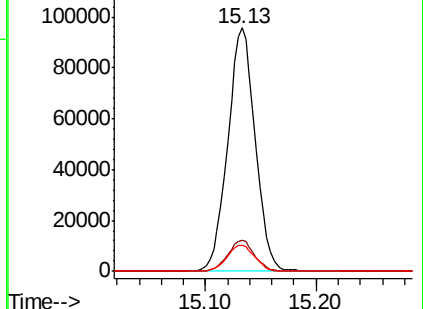
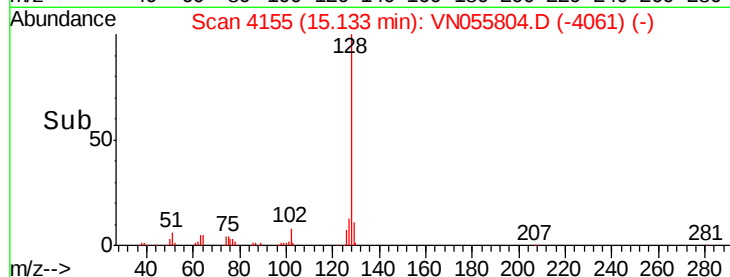
129 10.9 8.7 13.1



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: 19.203 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055804.D

Acq: 24 May 2019 18:38

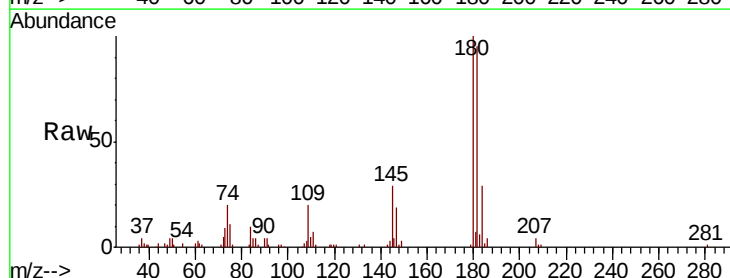
Tgt Ion:180 Resp: 66582

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.7

145 28.8 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

