

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
 Data File : VN053009.D
 Acq On : 19 Dec 2018 14:23
 Operator : MD\SY
 Sample : VN1219MBS01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 05:19:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1064289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1643177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1449373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	657531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	593064	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
35) Dibromofluoromethane	7.59	113	449825	59.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.86%	
50) Toluene-d8	10.09	98	2148922	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.40	95	732166	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	209255	19.427	ug/l	100
3) Chloromethane	2.06	50	259267	19.863	ug/l	100
4) Vinyl Chloride	2.19	62	263258	19.915	ug/l	99
5) Bromomethane	2.58	94	167276	18.264	ug/l	100
6) Chloroethane	2.71	64	154813	19.774	ug/l	97
7) Trichlorofluoromethane	3.03	101	327330	19.877	ug/l	97
8) Diethyl Ether	3.42	74	126998	20.442	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	204693	19.495	ug/l	98
10) Methyl Iodide	3.96	142	288641	19.575	ug/l	98
11) Tert butyl alcohol	4.78	59	67790	102.867	ug/l	98
12) 1,1-Dichloroethene	3.74	96	200180	19.734	ug/l	98
13) Acrolein	3.61	56	72946	122.076	ug/l	97
14) Allyl chloride	4.33	41	325127	20.692	ug/l	96
15) Acrylonitrile	4.99	53	372145	101.648	ug/l	99
16) Acetone	3.82	43	233156	110.102	ug/l	97
17) Carbon Disulfide	4.06	76	576546	17.428	ug/l	100
18) Methyl Acetate	4.33	43	188830	20.249	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	559354	20.605	ug/l	100
20) Methylene Chloride	4.55	84	229727	19.887	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	215643	19.786	ug/l	97
22) Diisopropyl ether	5.95	45	696803	20.776	ug/l	99
23) Vinyl Acetate	5.90	43	2025255	105.011	ug/l	99
24) 1,1-Dichloroethane	5.85	63	405047	20.324	ug/l	99
25) 2-Butanone	6.83	43	389893	109.708	ug/l	96
26) 2,2-Dichloropropane	6.83	77	269958	17.744	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	248113	20.108	ug/l	98
28) Bromochloromethane	7.19	49	190383	22.045	ug/l	96
29) Tetrahydrofuran	7.21	42	280621	105.723	ug/l	99
30) Chloroform	7.37	83	396353	20.245	ug/l	99
31) Cyclohexane	7.66	56	384064	19.915	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	327081	19.611	ug/l	100
36) 1,1-Dichloropropene	7.79	75	303748	19.259	ug/l	100
37) Ethyl Acetate	6.93	43	189792	21.556	ug/l	98
38) Carbon Tetrachloride	7.77	117	279054	19.303	ug/l	99

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 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	357077	18.637	ug/l	100
40) Benzene	8.04	78	935444	19.940	ug/l	100
41) Methacrylonitrile	7.17	41	100786	19.812	ug/l	98
42) 1,2-Dichloroethane	8.12	62	277636	20.033	ug/l	99
43) Isopropyl Acetate	8.16	43	355802	20.261	ug/l	99
44) Trichloroethene	8.83	130	263318	19.406	ug/l	98
45) 1,2-Dichloropropane	9.12	63	248039	20.299	ug/l	100
46) Dibromomethane	9.21	93	141932	19.939	ug/l	99
47) Bromodichloromethane	9.40	83	293996	19.430	ug/l	98
48) Methyl methacrylate	9.20	41	173474	20.304	ug/l	99
49) 1,4-Dioxane	9.20	88	43283	400.497	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	907819	106.471	ug/l	99
52) Toluene	10.16	92	575206	19.782	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	291211	18.302	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	350697	19.202	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	204245	20.134	ug/l	97
56) Ethyl methacrylate	10.43	69	269614	20.080	ug/l	97
57) 1,3-Dichloropropane	10.71	76	354338	20.369	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	781624	106.036	ug/l	99
59) 2-Hexanone	10.75	43	601624	104.288	ug/l	99
60) Dibromochloromethane	10.90	129	221756	19.097	ug/l	99
61) 1,2-Dibromoethane	11.01	107	203691	19.771	ug/l	100
64) Tetrachloroethene	10.63	164	299270	19.062	ug/l	99
65) Chlorobenzene	11.43	112	627880	19.543	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	215739	19.310	ug/l	99
67) Ethyl Benzene	11.51	91	1078304	19.516	ug/l	100
68) m/p-Xylenes	11.62	106	822585	39.162	ug/l	100
69) o-Xylene	11.95	106	399857	19.838	ug/l	100
70) Styrene	11.96	104	646229	19.663	ug/l	99
71) Bromoform	12.13	173	146894	18.200	ug/l	100
73) Isopropylbenzene	12.25	105	1054701	20.501	ug/l	100
74) N-amyl acetate	12.07	43	296570	20.763	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	218831	21.682	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	298873	27.001	ug/l #	100
77) Bromobenzene	12.53	156	274613	20.535	ug/l	97
78) n-propylbenzene	12.59	91	1176871	20.086	ug/l	99
79) 2-Chlorotoluene	12.67	91	706139	19.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	838487	19.996	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62695	18.256	ug/l	97
82) 4-Chlorotoluene	12.77	91	704537	19.817	ug/l	99
83) tert-Butylbenzene	12.99	119	746170	20.120	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	848222	20.122	ug/l	100
85) sec-Butylbenzene	13.17	105	971981	19.377	ug/l	100
86) p-Isopropyltoluene	13.29	119	842359	19.434	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	462508	19.541	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	451734	18.847	ug/l	99
89) n-Butylbenzene	13.62	91	670167	17.972	ug/l	99
90) Hexachloroethane	13.88	117	118233	17.775	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	437630	19.646	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33641	19.277	ug/l	98

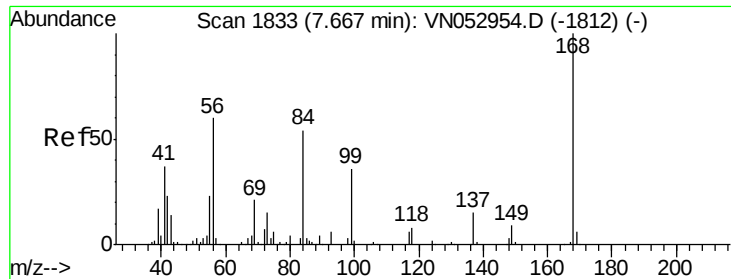
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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	213249	18.450	ug/l	100
94) Hexachlorobutadiene	15.01	225	126861	18.979	ug/l	98
95) Naphthalene	15.13	128	465526	18.741	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	196444	18.804	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

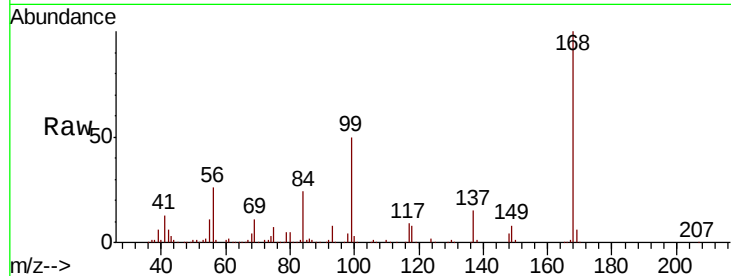
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1064289

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

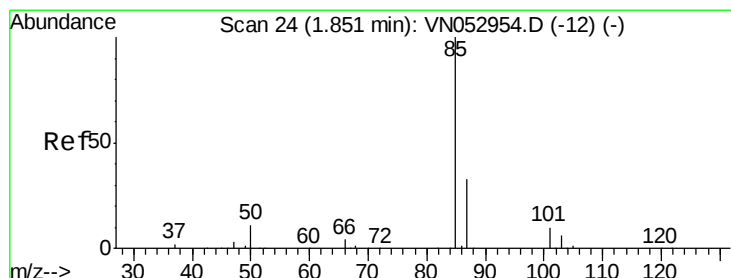
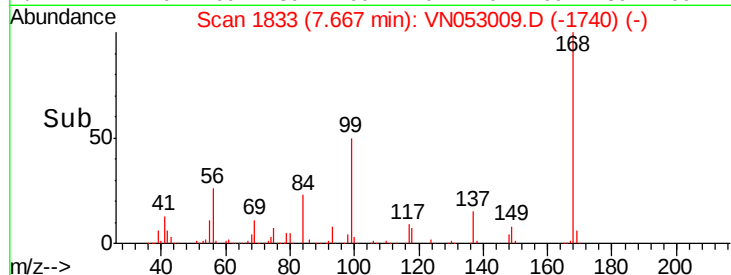
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.427 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053009.D

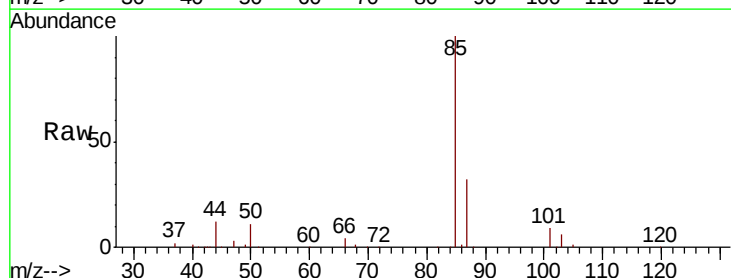
Acq: 19 Dec 2018 14:23

Tgt Ion: 85 Resp: 209255

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

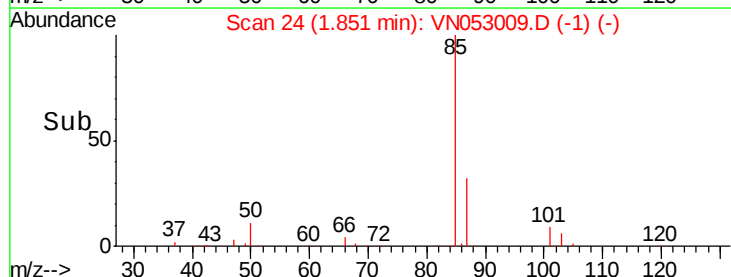
100000

50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.863 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

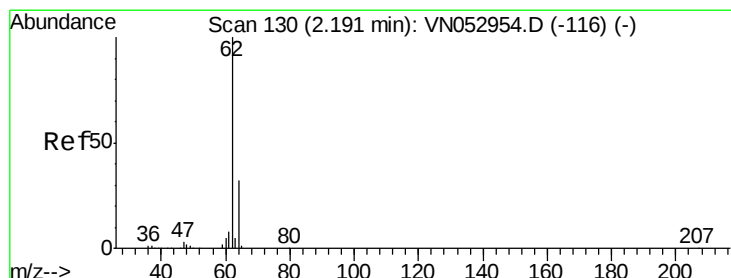
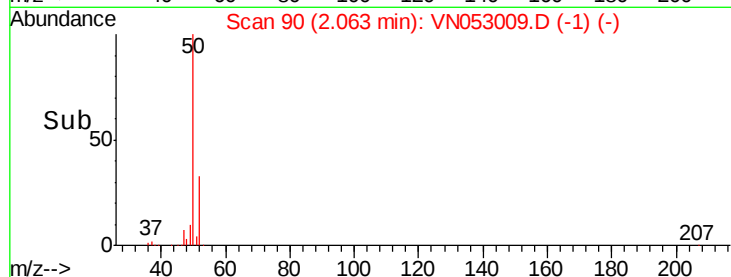
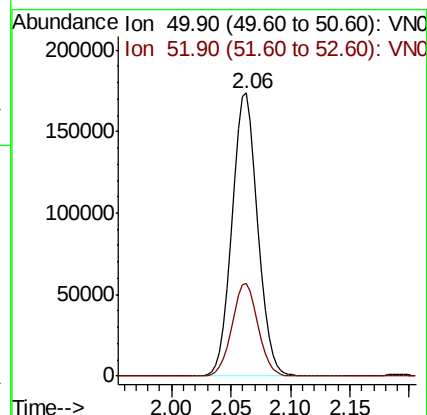
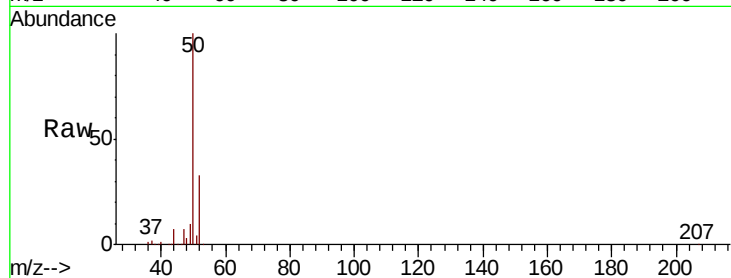
ClientSampleId :

Tot Ion: 50 Resp: 259267

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 19.915 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053009.D

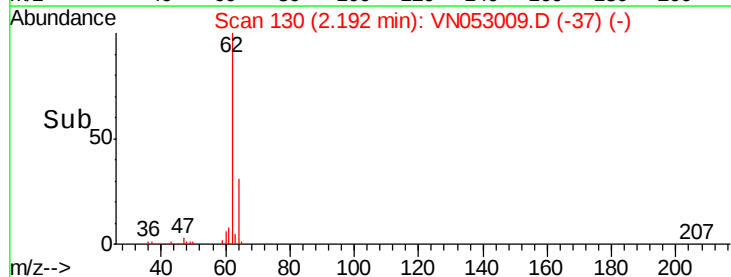
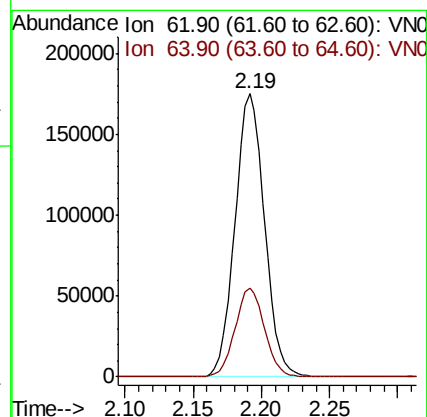
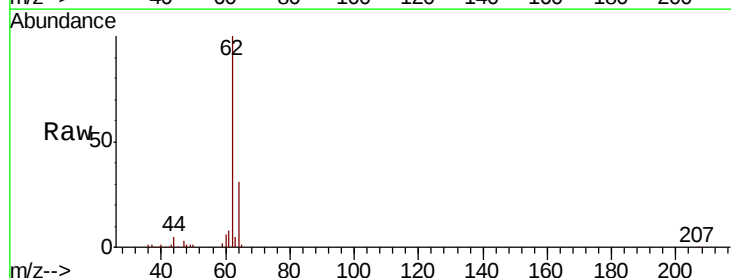
Acq: 19 Dec 2018 14:23

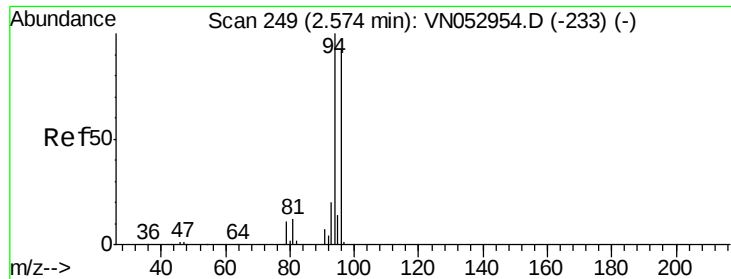
Tgt Ion: 62 Resp: 263258

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 18.264 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

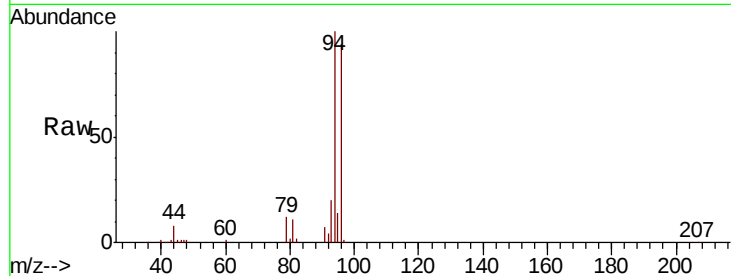
ClientSampleId :

Tot Ion: 94 Resp: 167276

Ion Ratio Lower Upper

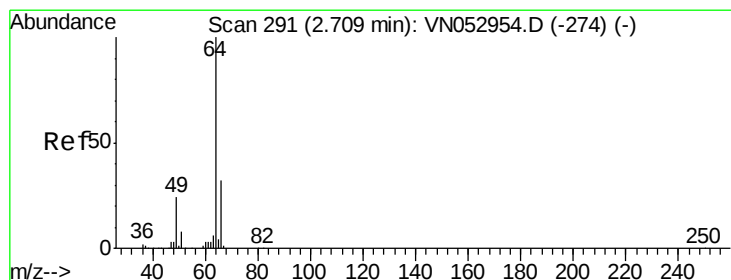
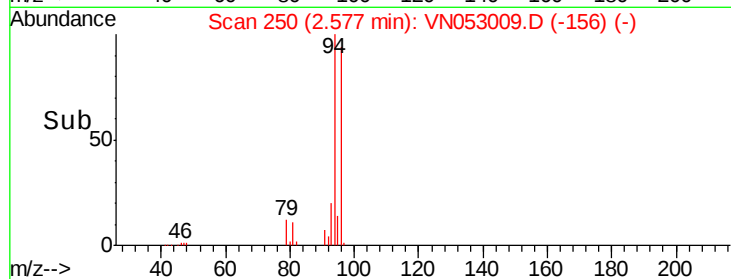
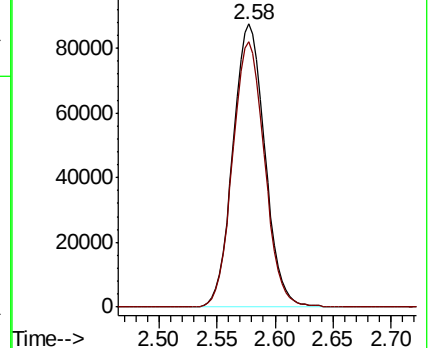
94 100

96 93.8 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.774 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN053009.D

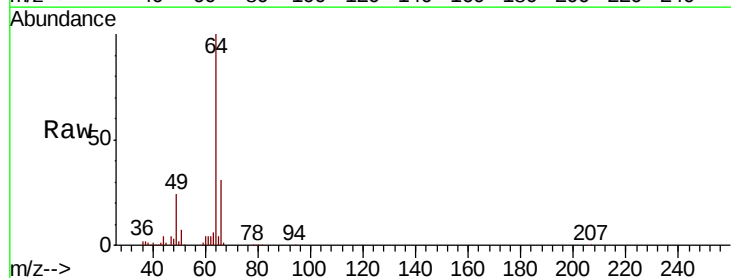
Acq: 19 Dec 2018 14:23

Tgt Ion: 64 Resp: 154813

Ion Ratio Lower Upper

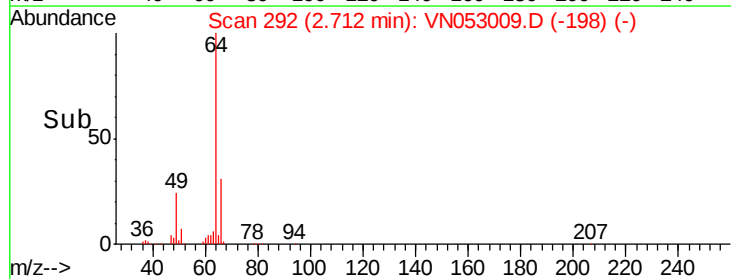
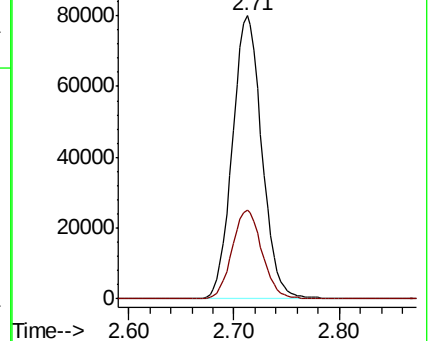
64 100

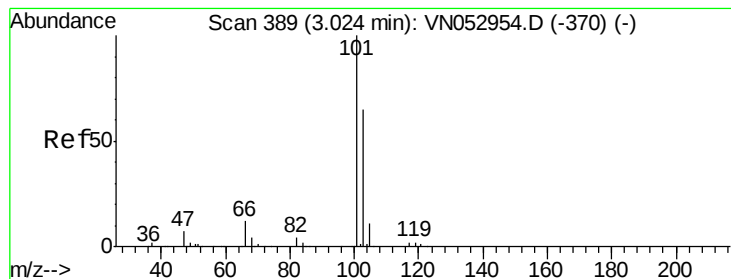
66 31.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



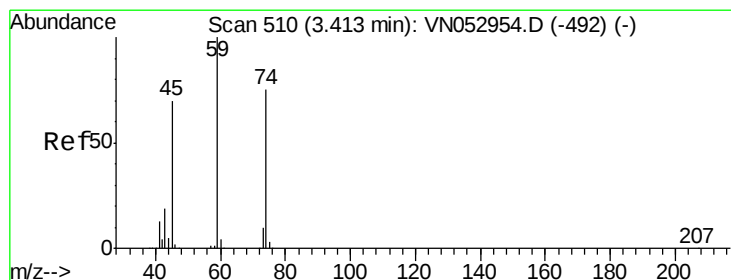
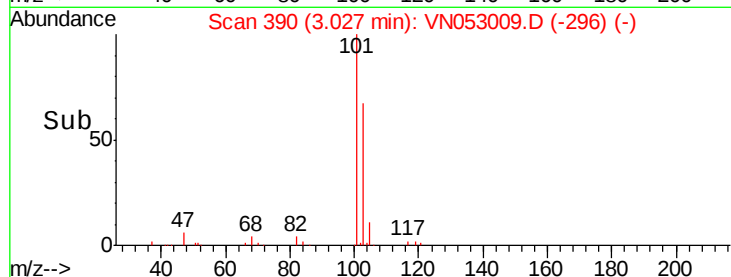
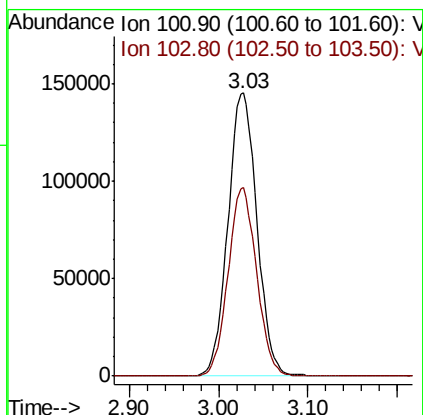
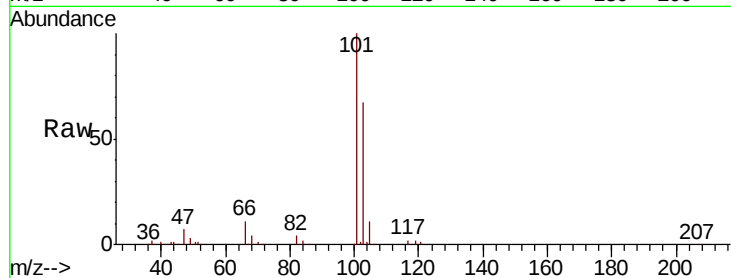


#7

Trichlorofluoromethane
 Concen: 19.877 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :

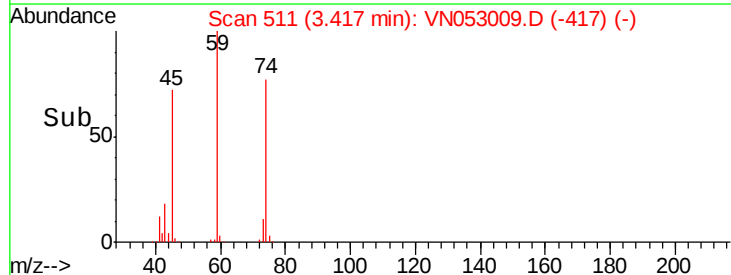
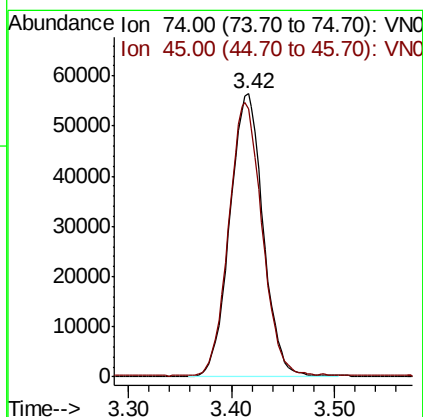
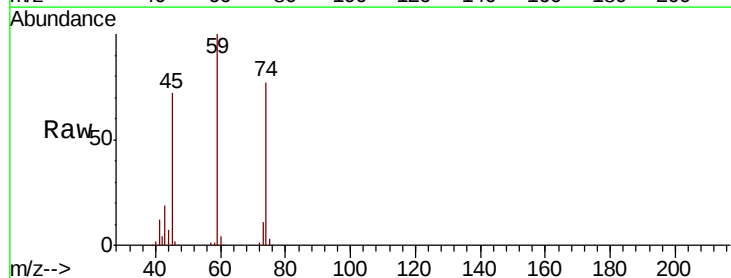
Tot Ion:101 Resp: 327330
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.8 77.6

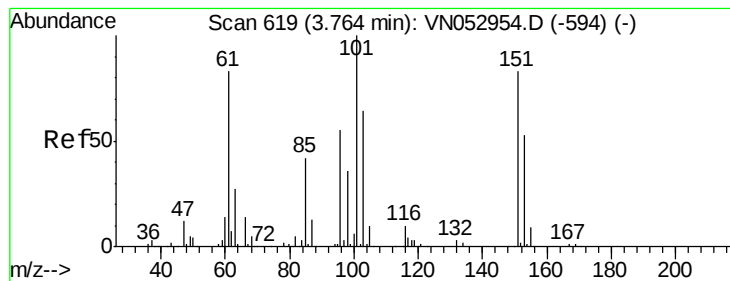


#8

Diethyl Ether
 Concen: 20.442 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion: 74 Resp: 126998
 Ion Ratio Lower Upper
 74 100
 45 96.4 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.495 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

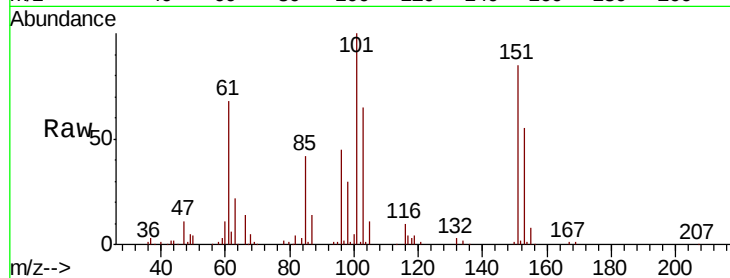
Tot Ion:101 Resp: 204693

Ion Ratio Lower Upper

101 100

85 42.3 33.6 50.4

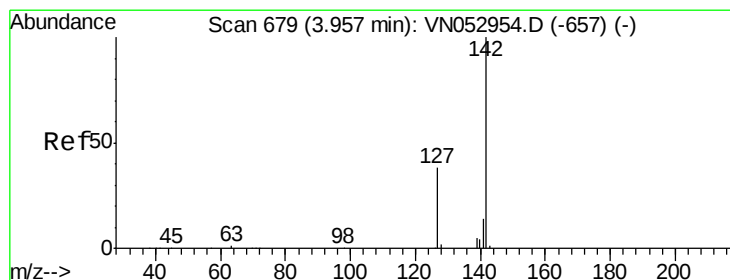
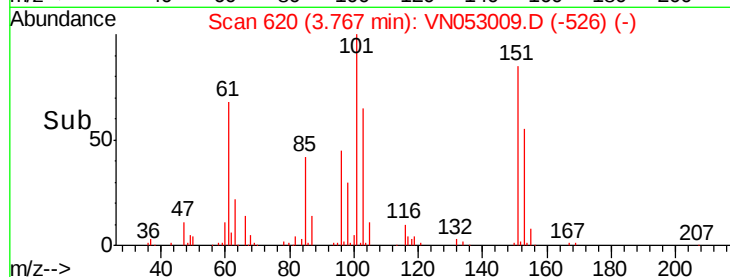
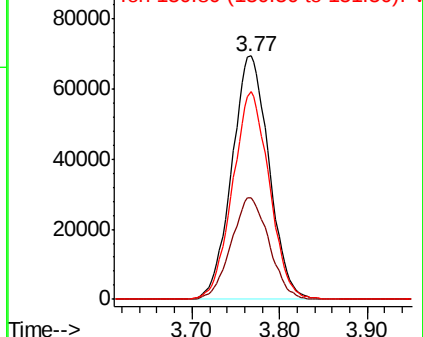
151 84.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.575 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

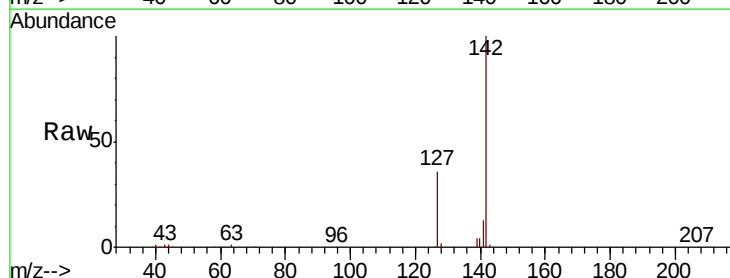
Tgt Ion:142 Resp: 288641

Ion Ratio Lower Upper

142 100

127 37.5 31.0 46.6

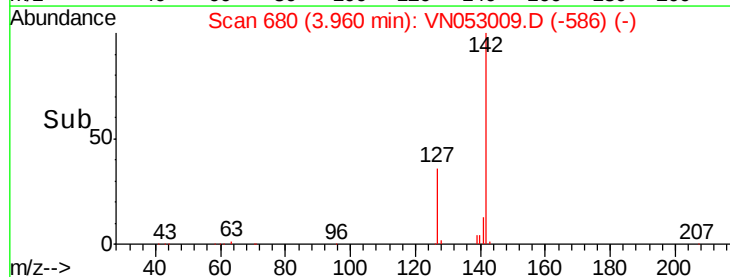
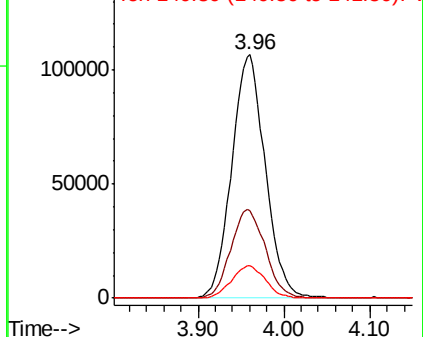
141 13.5 11.2 16.8

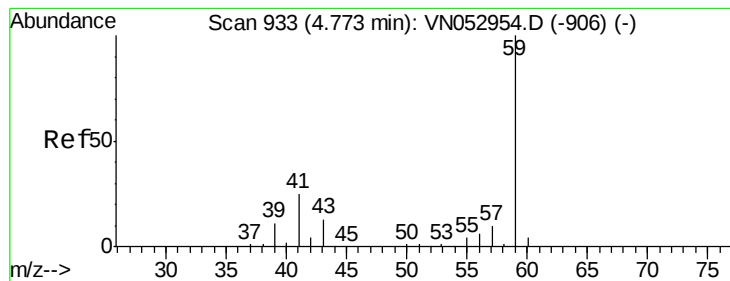


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



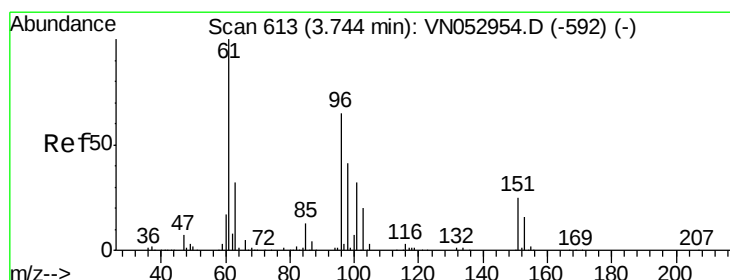
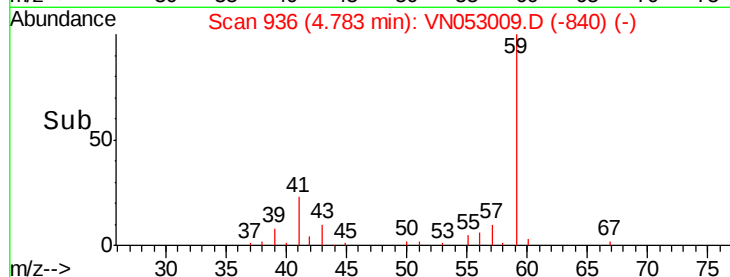
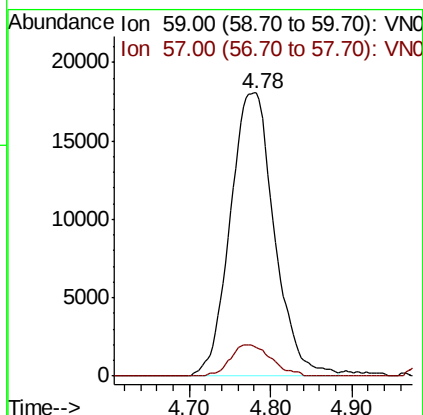
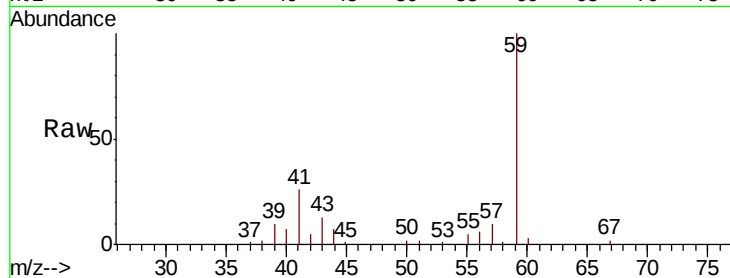


#11

Tert butyl alcohol
 Concen: 102.867 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampled :

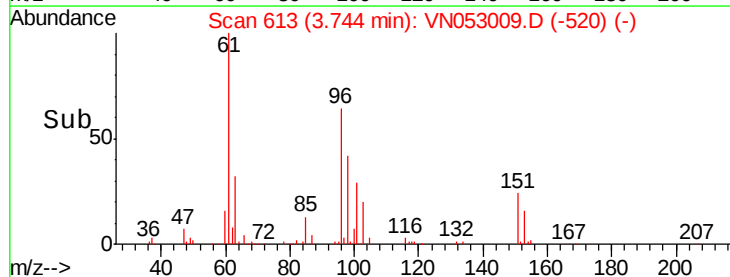
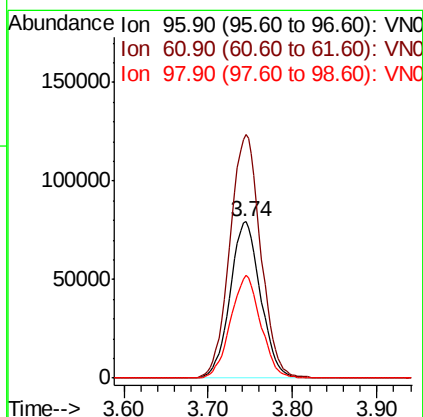
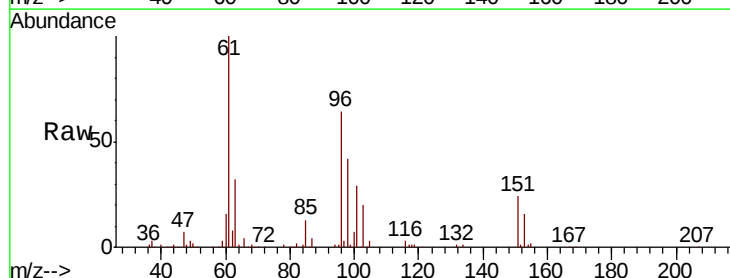
Tot Ion: 59 Resp: 67790
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.7 11.5

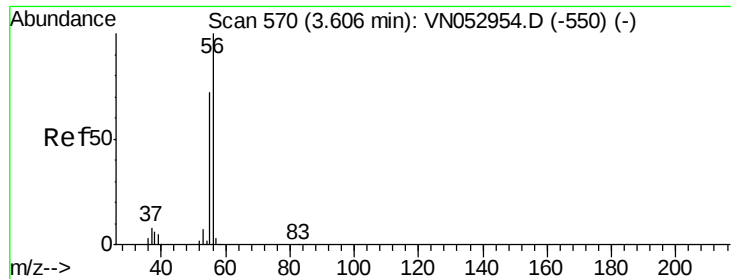


#12

1,1-Dichloroethene
 Concen: 19.734 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion: 96 Resp: 200180
 Ion Ratio Lower Upper
 96 100
 61 155.8 125.6 188.4
 98 65.6 50.6 75.8





#13

Acrolein

Concen: 122.076 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

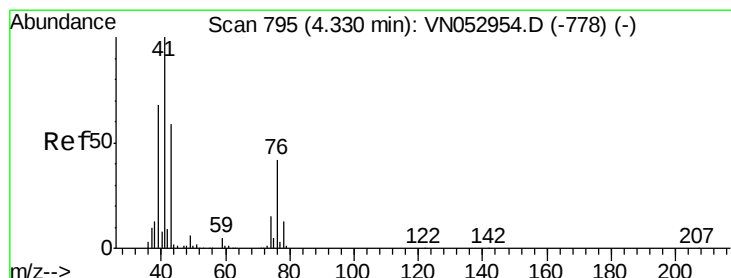
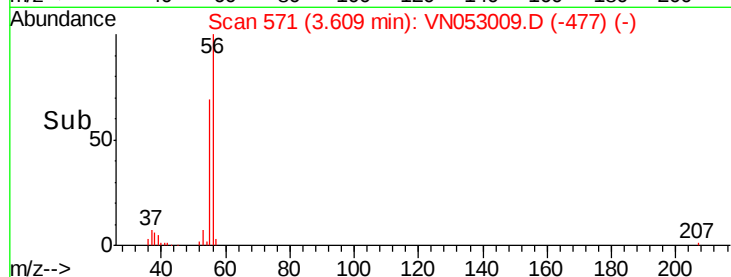
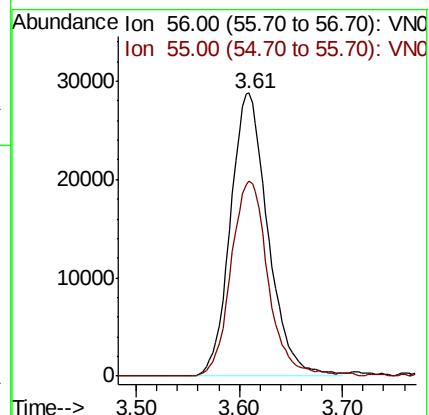
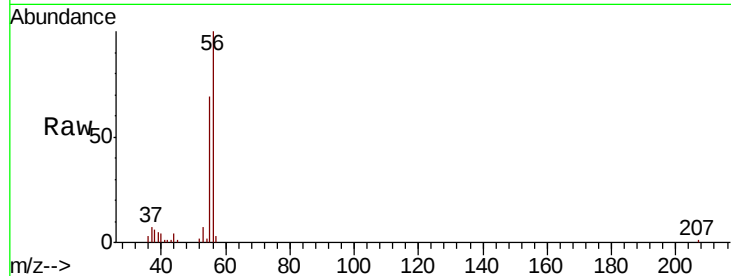
ClientSampleId :

Tot Ion: 56 Resp: 72946

Ion Ratio Lower Upper

56 100

55 68.2 56.6 85.0



#14

Allyl chloride

Concen: 20.692 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

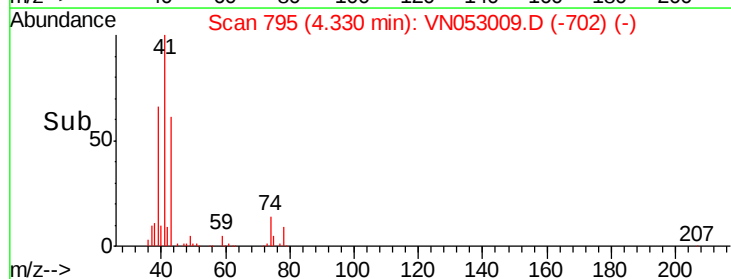
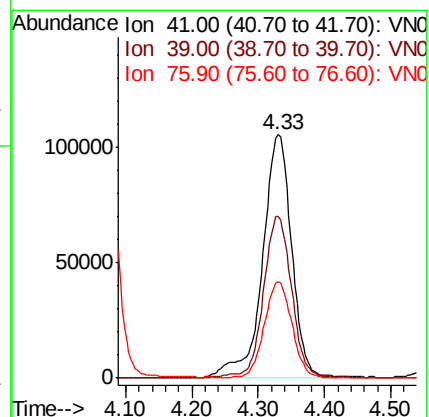
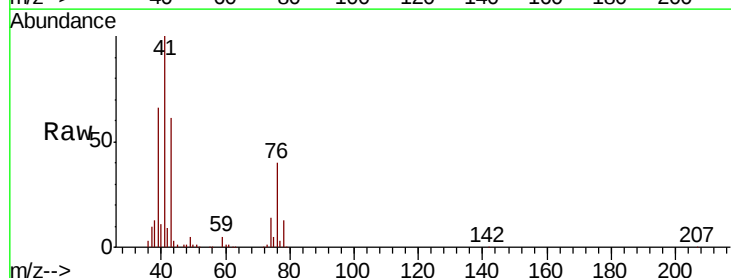
Tgt Ion: 41 Resp: 325127

Ion Ratio Lower Upper

41 100

39 63.8 54.1 81.1

76 36.5 30.3 45.5





#15

Acrylonitrile

Concen: 101.648 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampled :

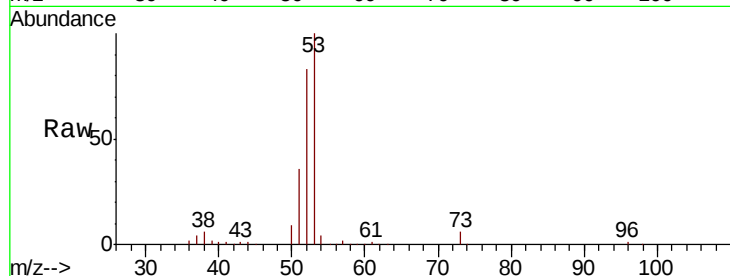
Tot Ion: 53 Resp: 372145

Ion Ratio Lower Upper

53 100

52 82.6 65.1 97.7

51 35.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052954.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN052954.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN052954.D (-973) (-)

4.99

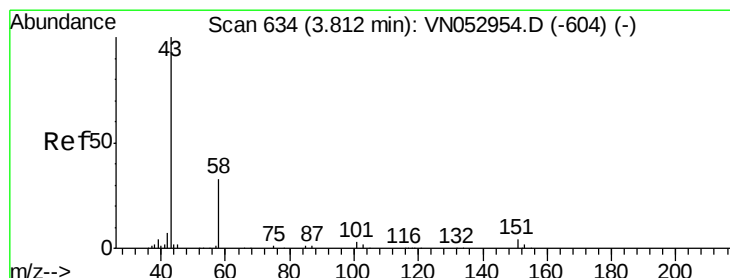
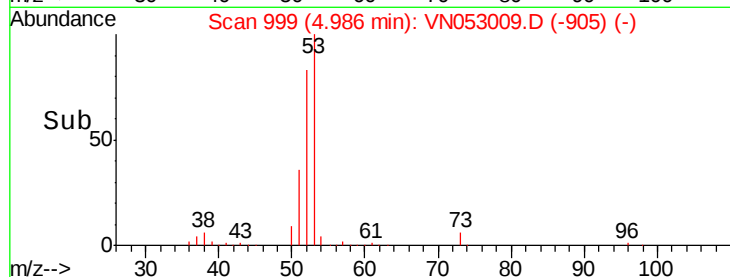
100000

50000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 110.102 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053009.D

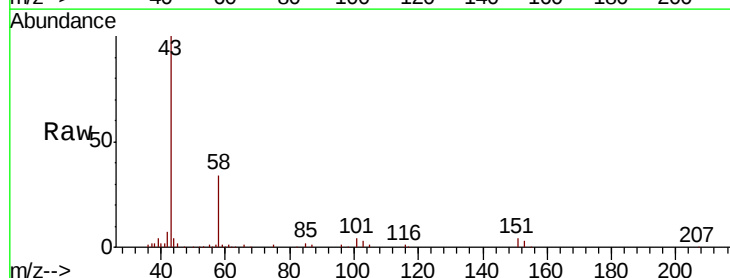
Acq: 19 Dec 2018 14:23

Tgt Ion: 43 Resp: 233156

Ion Ratio Lower Upper

43 100

58 33.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)

3.82

100000

80000

60000

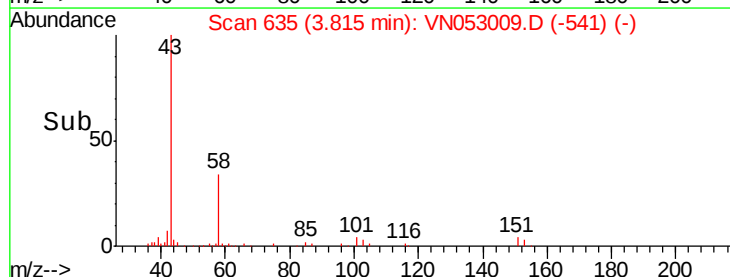
40000

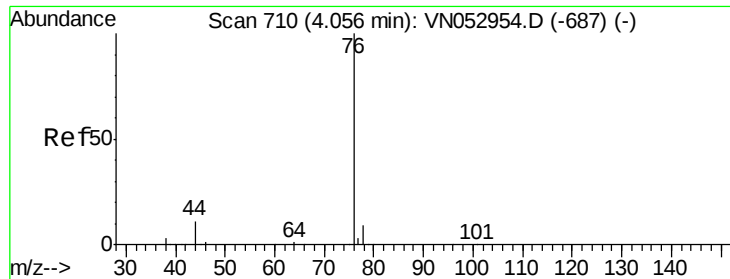
20000

0

3.70 3.80 3.90

Time-->

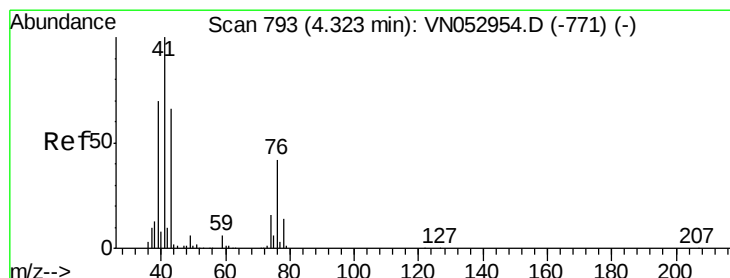
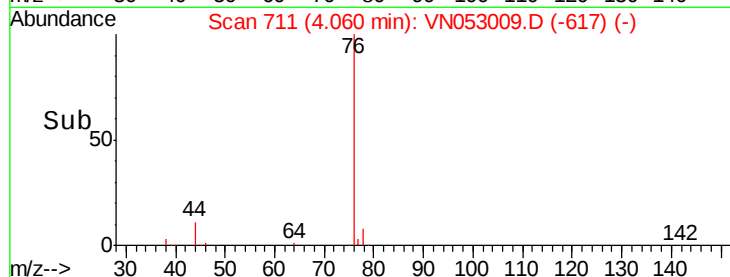
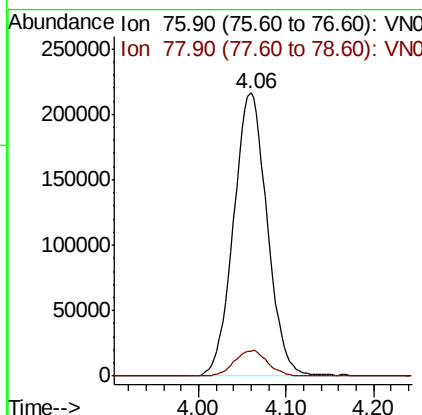
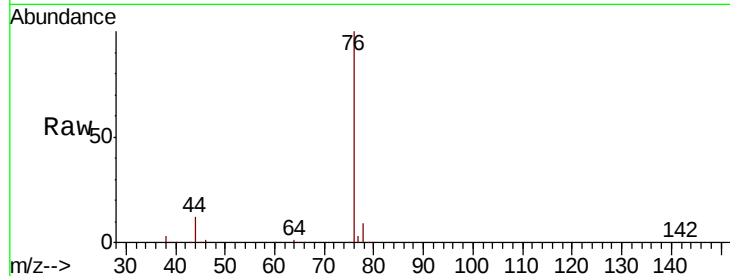




#17
Carbon Disulfide
Concen: 17.428 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

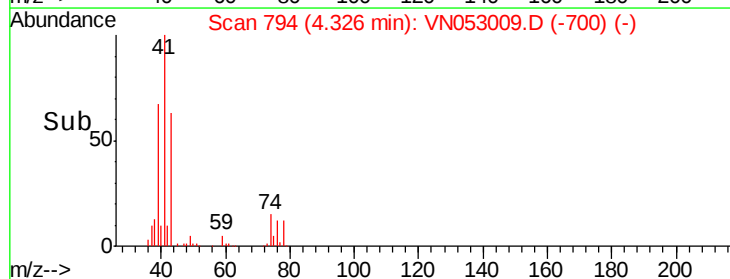
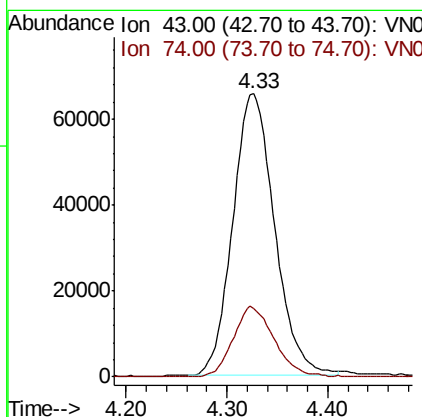
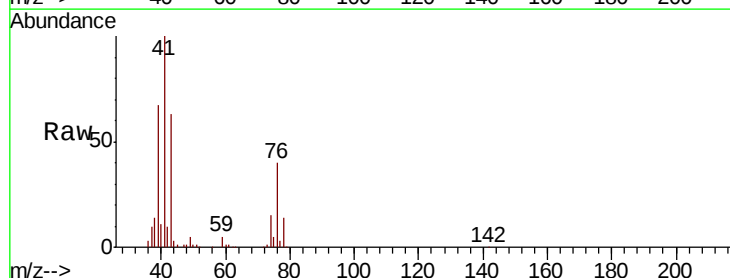
Instrument :
MSVOA_N
ClientSampleId :

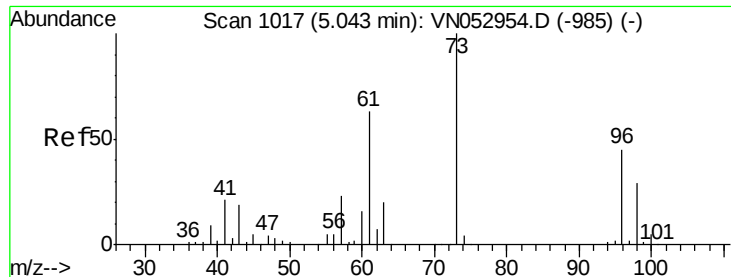
Tot Ion: 76 Resp: 576546
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 20.249 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 43 Resp: 188830
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8

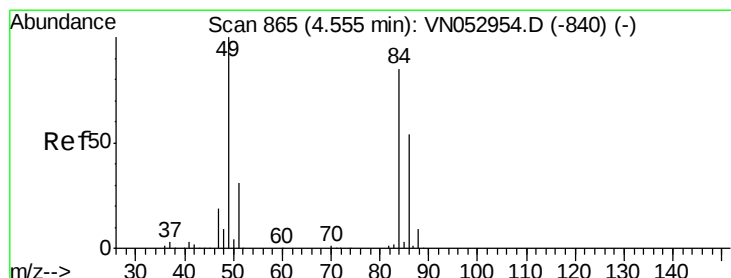
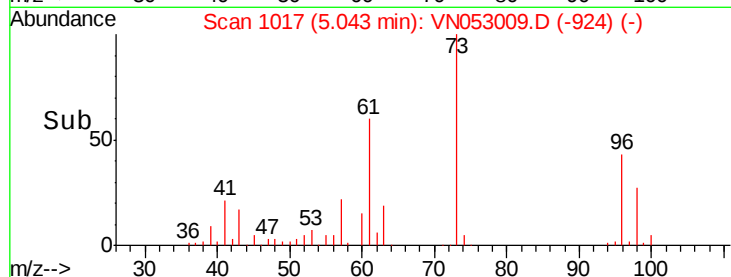
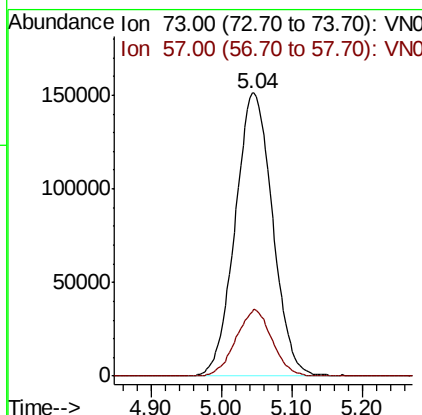
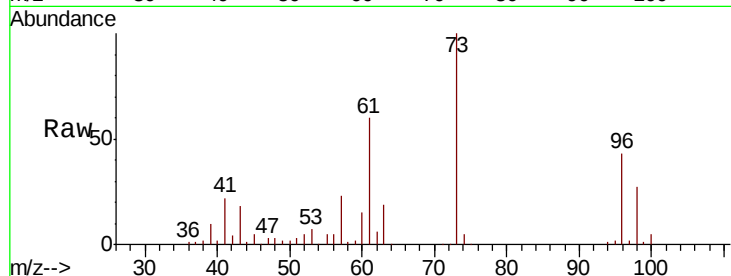




#19
Methvl tert-butvl Ether
Concen: 20.605 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

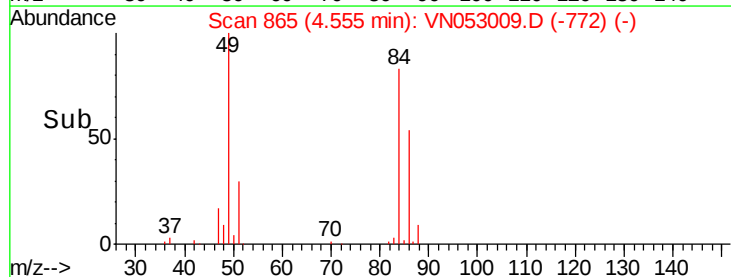
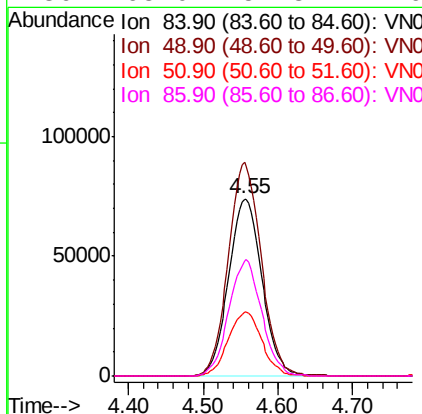
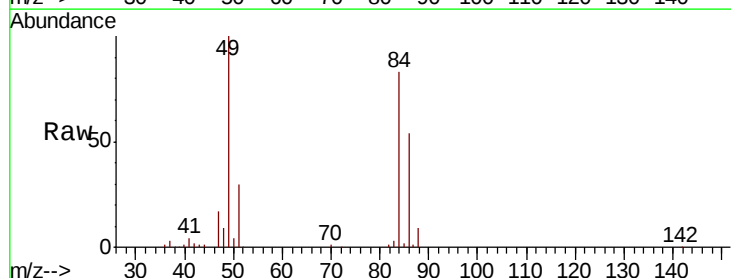
Instrument :
MSVOA_N
ClientSampled :

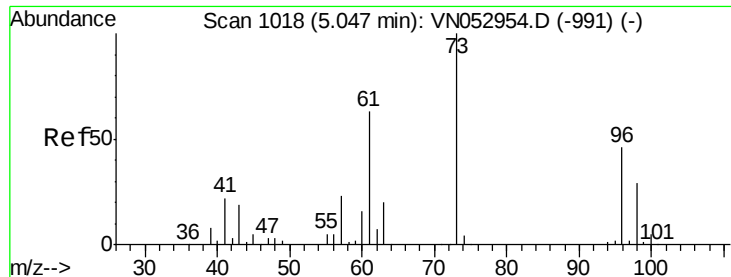
Tot Ion: 73 Resp: 559354
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 19.887 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 84 Resp: 229727
Ion Ratio Lower Upper
84 100
49 120.8 96.8 145.2
51 36.3 29.9 44.9
86 65.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.786 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampled :

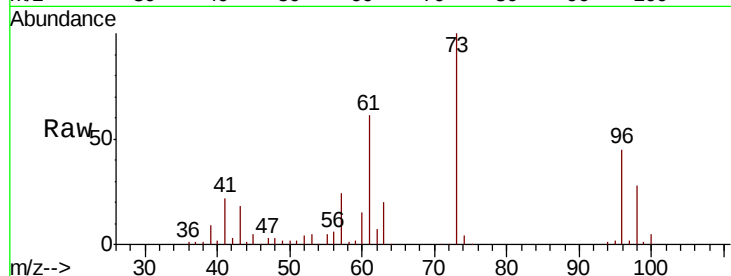
Tot Ion: 96 Resp: 215643

Ion Ratio Lower Upper

96 100

61 135.9 110.8 166.2

98 61.5 51.4 77.2

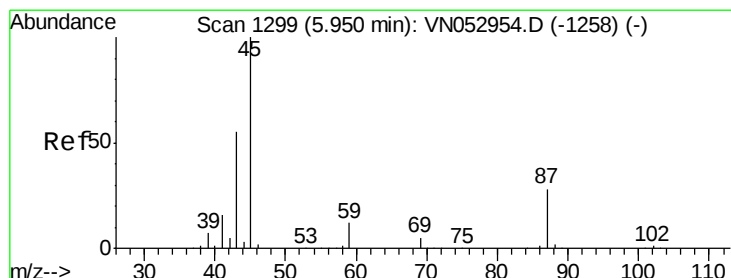
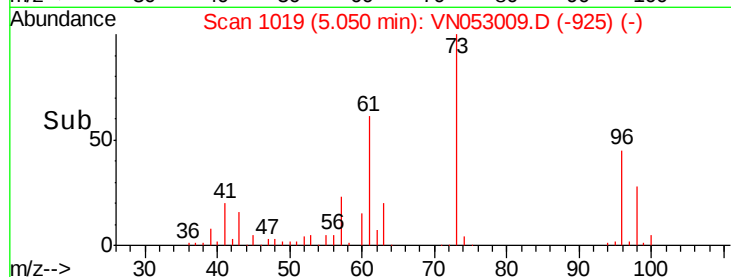
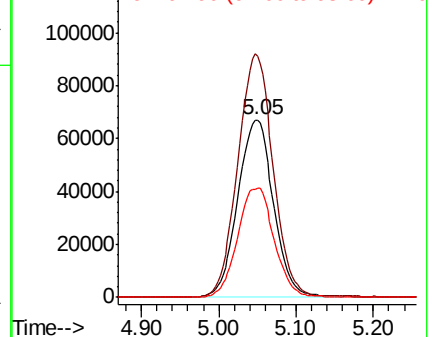


Abundance

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: 20.776 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Tgt Ion: 45 Resp: 696803

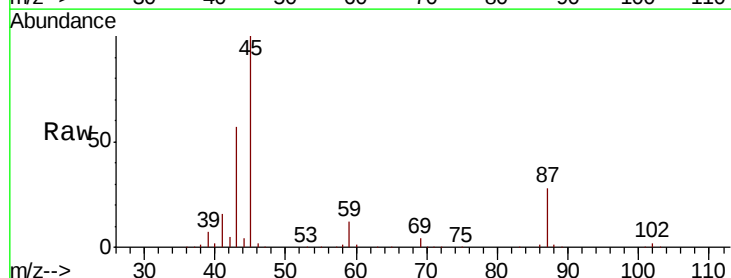
Ion Ratio Lower Upper

45 100

43 55.9 45.5 68.3

87 28.3 22.0 33.0

59 11.6 9.4 14.0



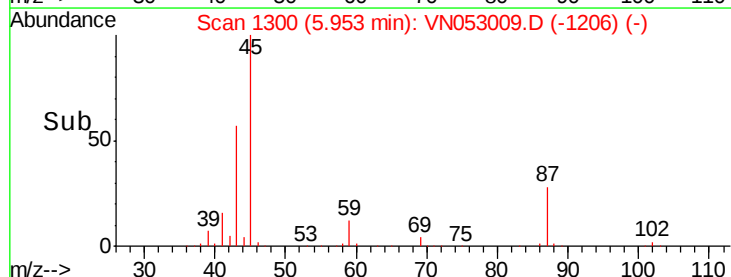
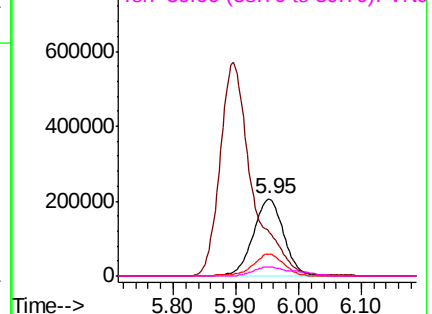
Abundance

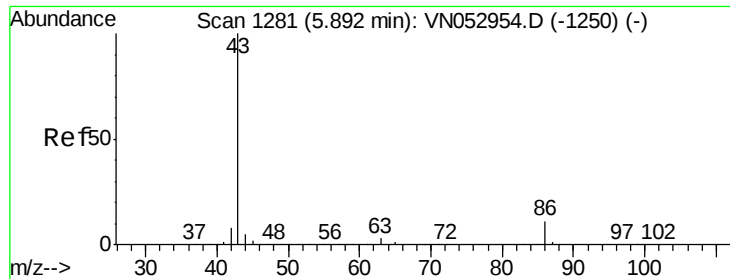
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

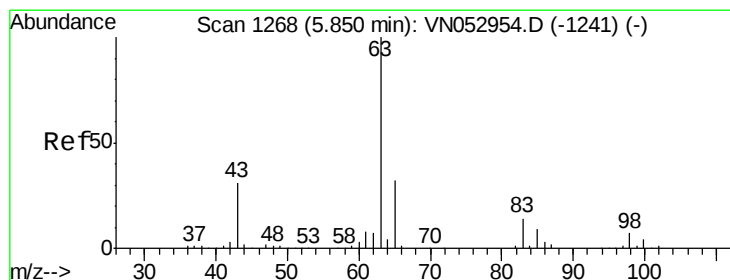
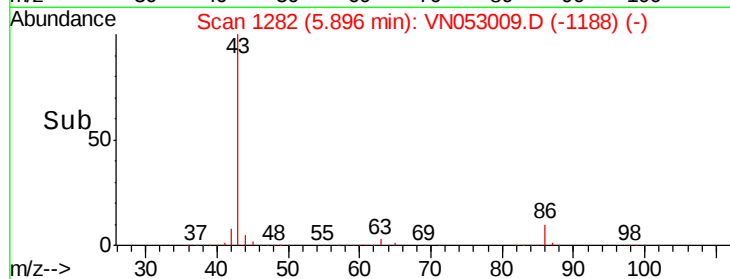
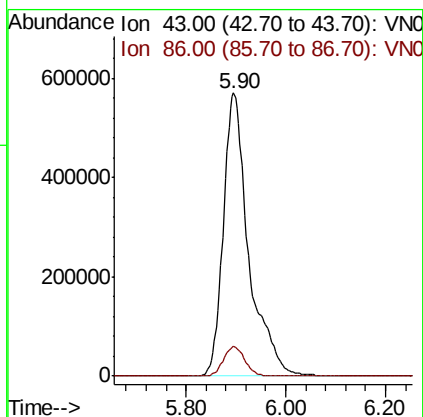
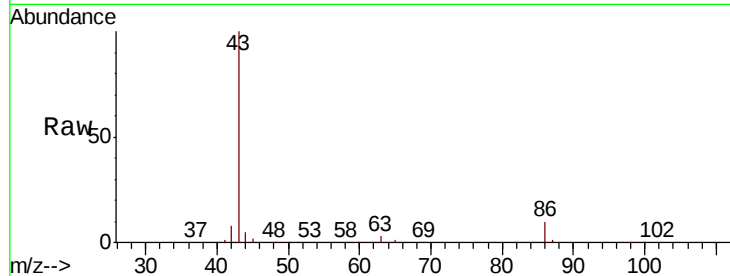




#23
 Vinyl Acetate
 Concen: 105.011 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

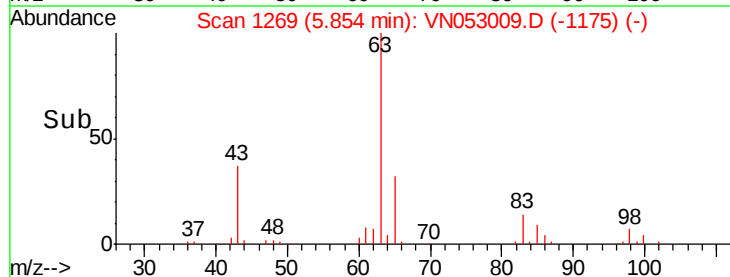
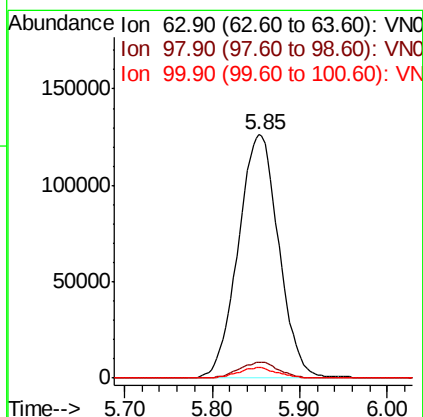
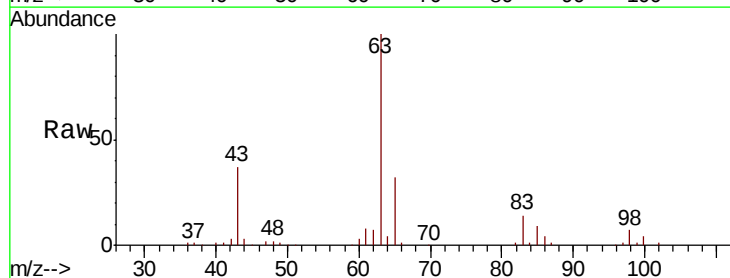
Instrument :
 MSVOA_N
 ClientSampled :

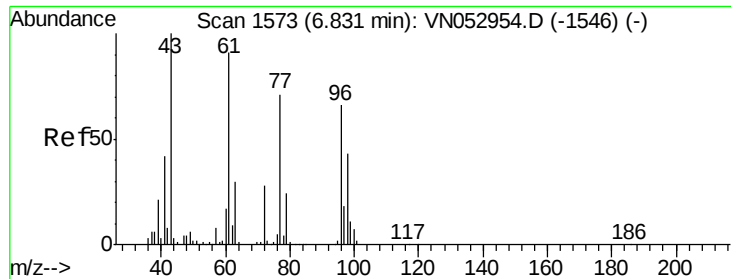
Tot Ion: 43 Resp: 2025255
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.324 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion: 63 Resp: 405047
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.4
 100 4.2 2.0 5.8

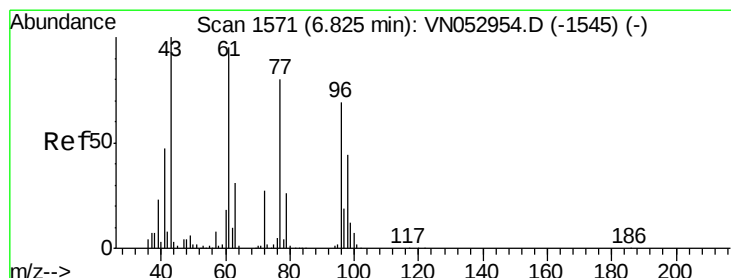
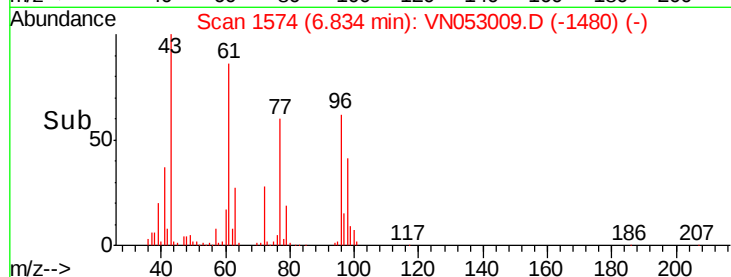
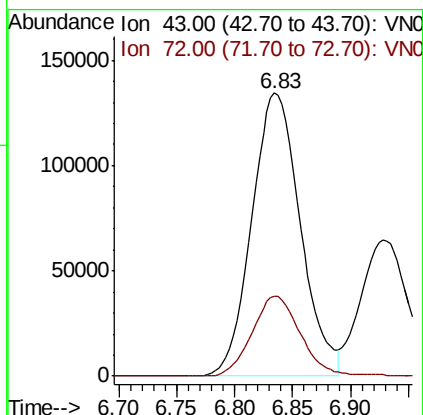
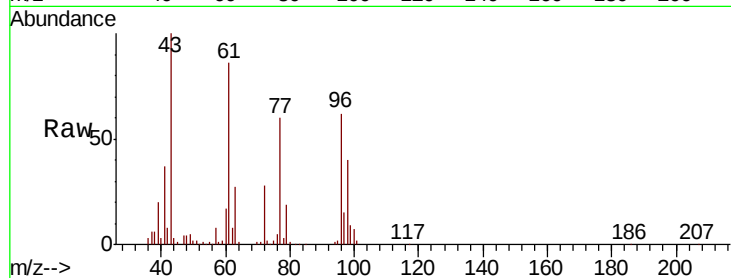




#25
2-Butanone
Concen: 109.708 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

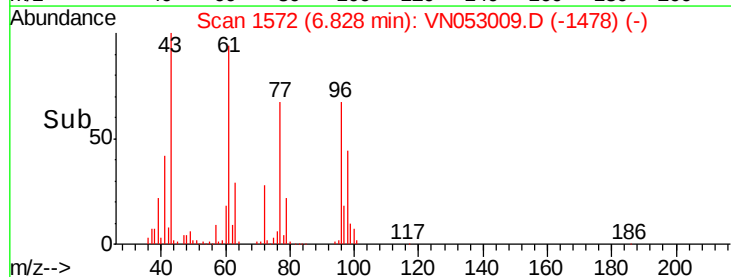
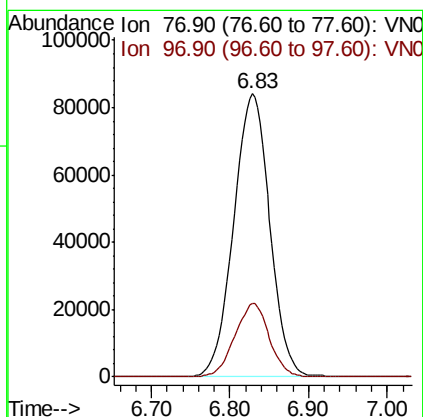
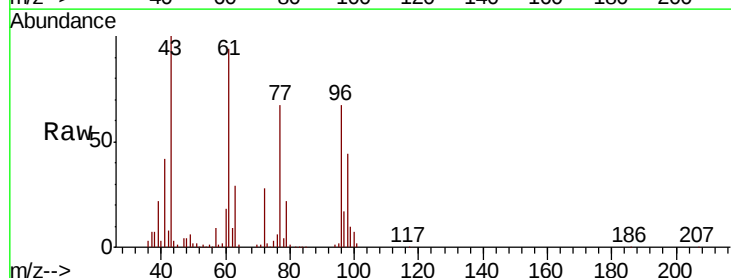
Instrument :
MSVOA_N
ClientSampled :

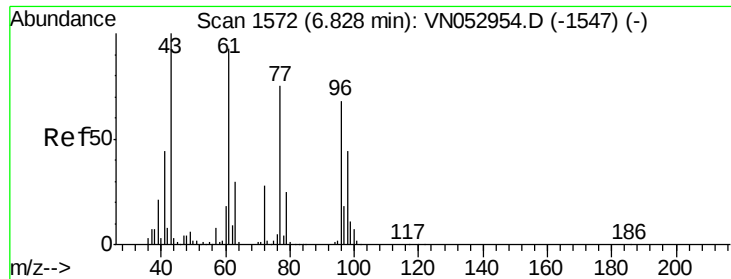
Tot Ion: 43 Resp: 389893
Ion Ratio Lower Upper
43 100
72 28.2 21.0 31.6



#26
2,2-Dichloropropane
Concen: 17.744 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 77 Resp: 269958
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.108 ug/l

RT: 6.83 min Scan# 1573

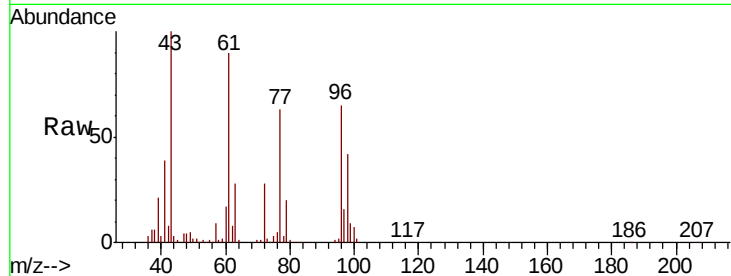
Delta R.T. 0.00 min

Lab File: VN053009.D

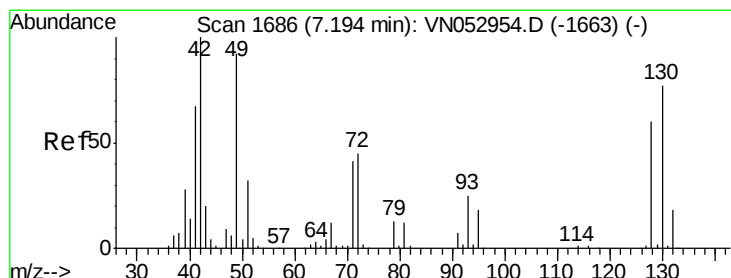
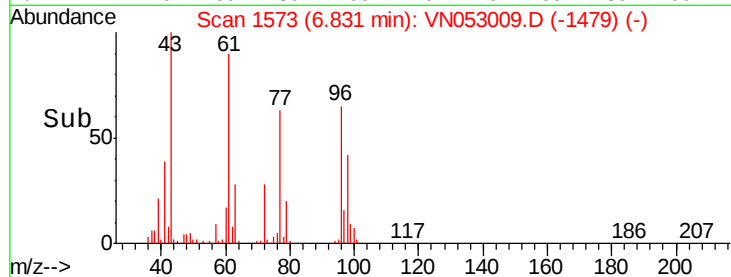
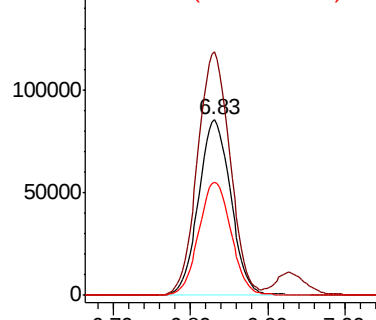
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	96	Resp:	248113
Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	284.2
98	64.6	0.0	129.2



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



#28

Bromochloromethane

Concen: 22.045 ug/l

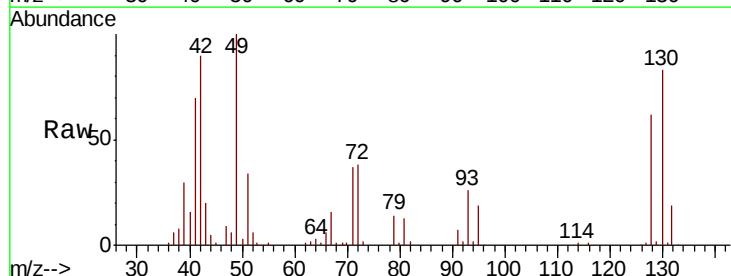
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

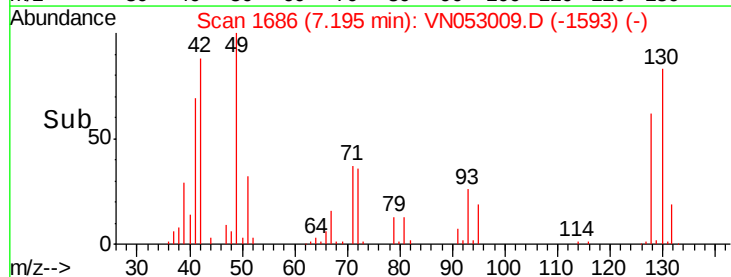
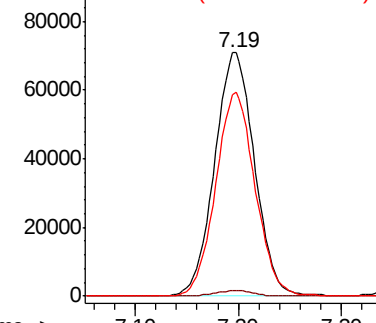
Lab File: VN053009.D

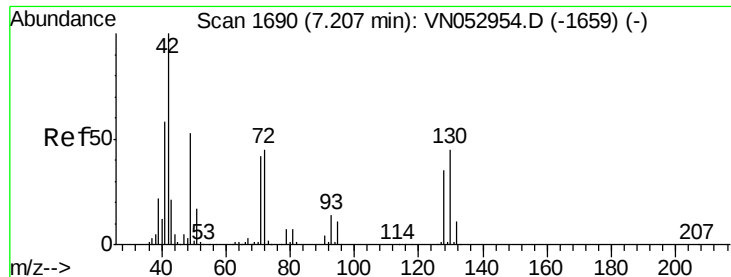
Acq: 19 Dec 2018 14:23

Tgt Ion:	49	Resp:	190383
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	82.6	63.3	94.9



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

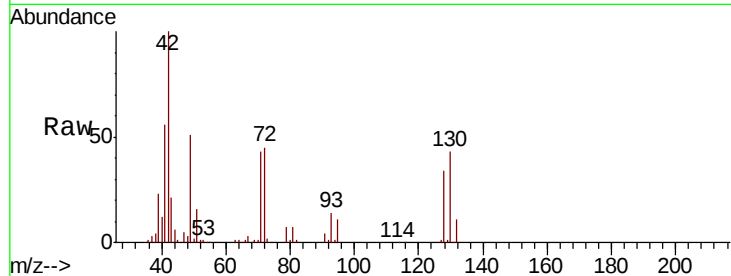




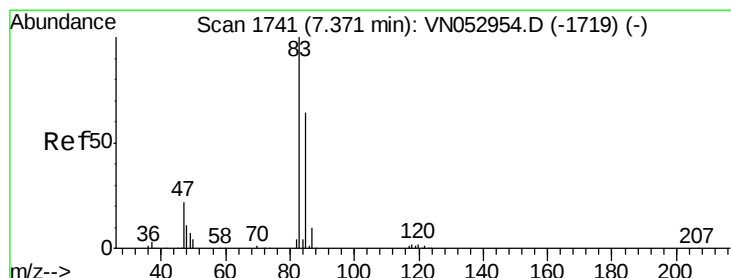
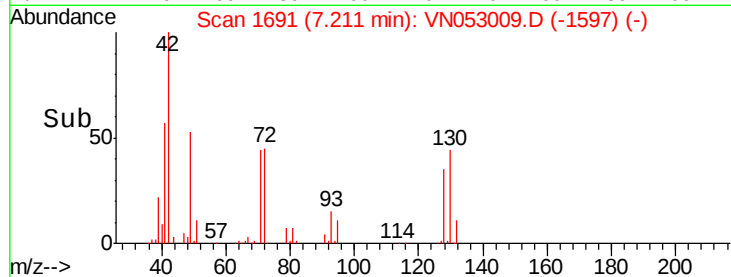
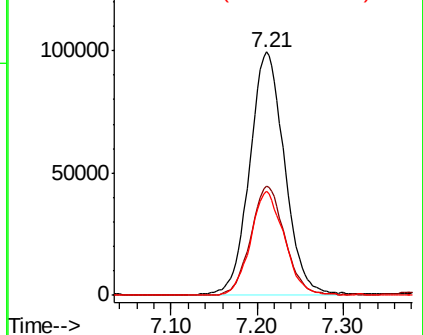
#29
Tetrahydrofuran
Concen: 105.723 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 280621
Ion Ratio Lower Upper
42 100
72 44.0 34.7 52.1
71 41.6 32.3 48.5

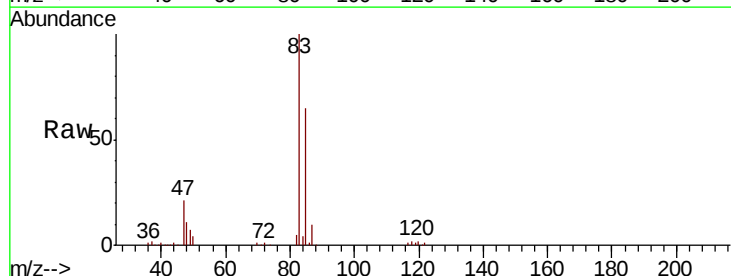


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

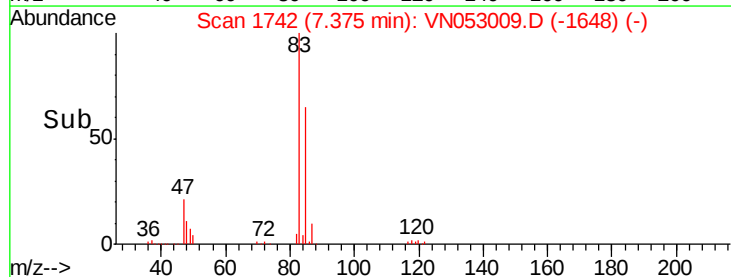
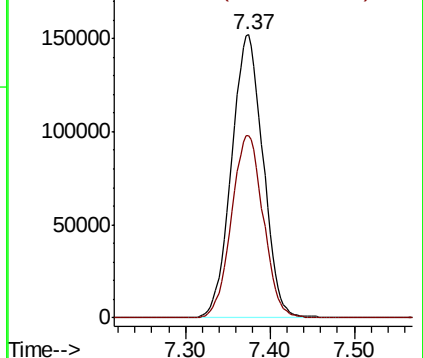


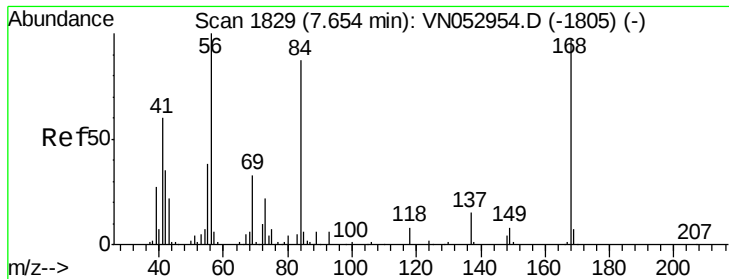
#30
Chloroform
Concen: 20.245 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 83 Resp: 396353
Ion Ratio Lower Upper
83 100
85 64.5 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO

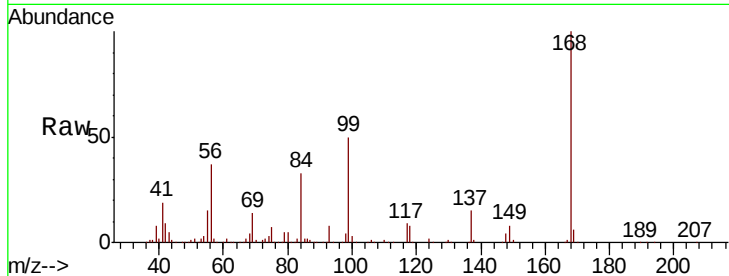




#31
Cyclohexane
Concen: 19.915 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.6	39.8
84	89.1	68.4	102.6

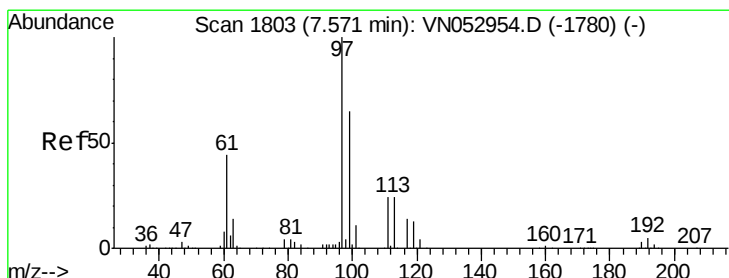
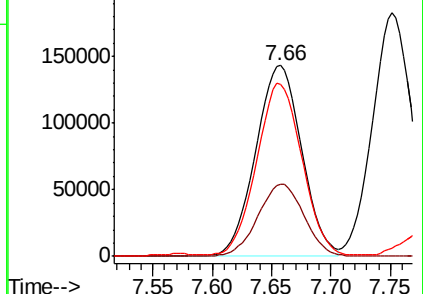
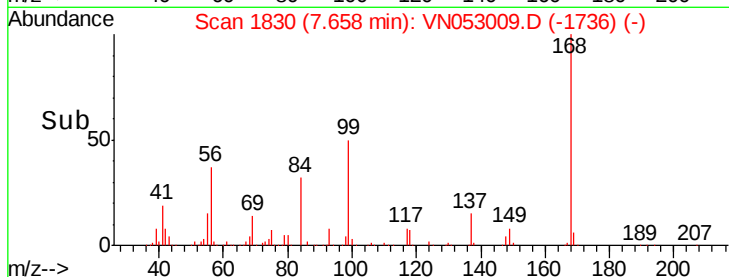


Abundance

Ion 56.00 (55.70 to 56.70): VN0

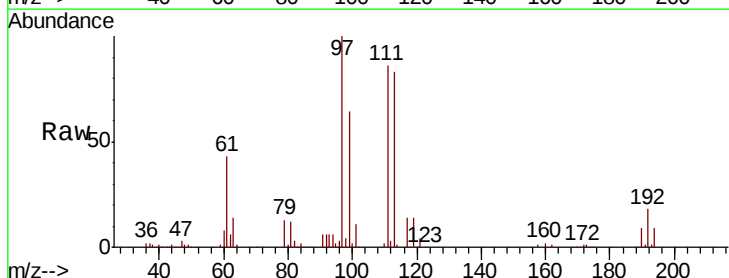
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 19.611 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	43.6	35.0	52.6

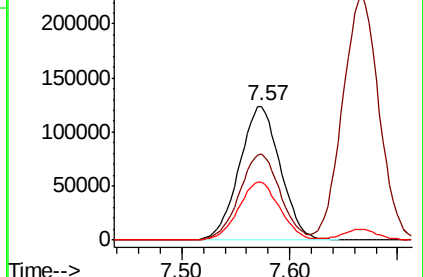
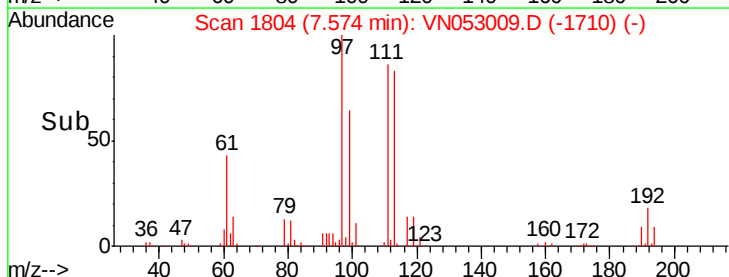


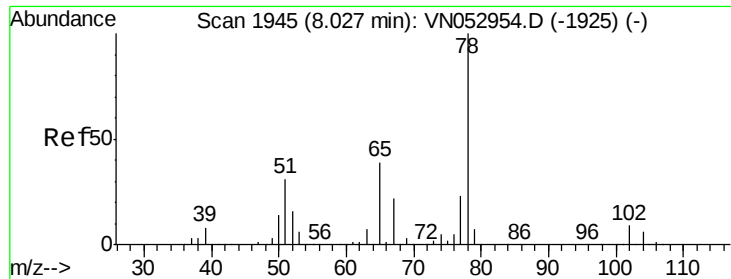
Abundance

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

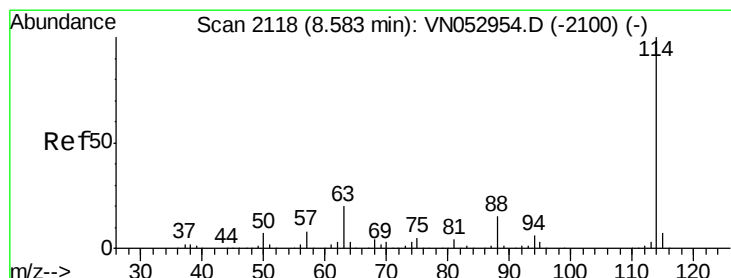
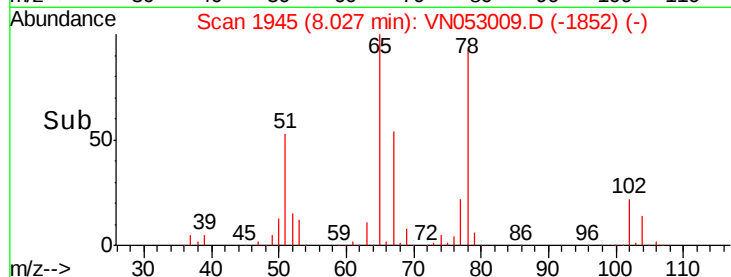
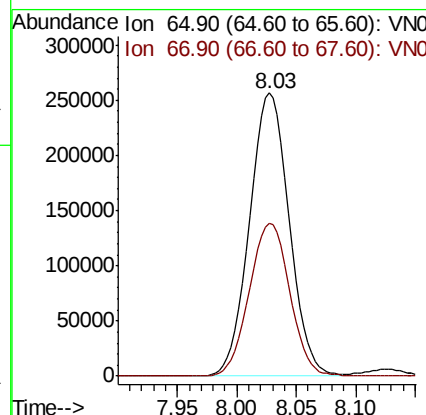
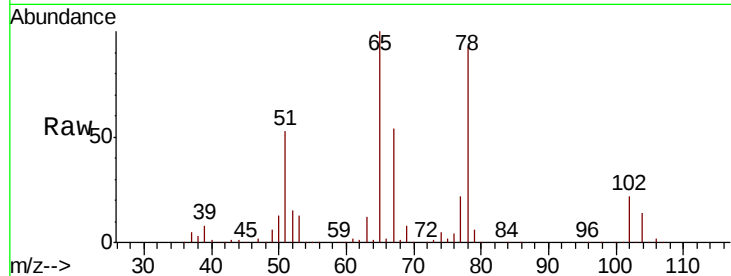




#33
 1,2-Dichloroethane-d4
 Concen: 19.611 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

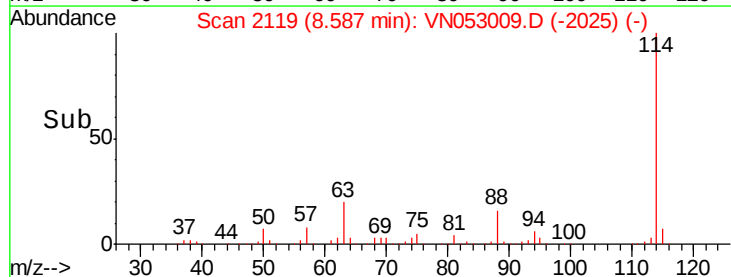
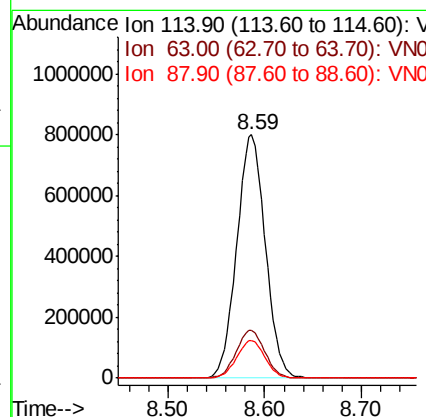
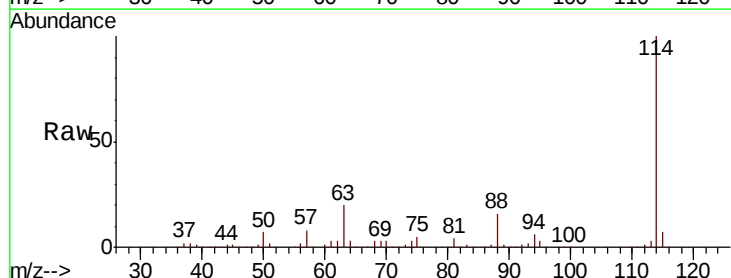
Instrument :
 MSVOA_N
 ClientSampled :

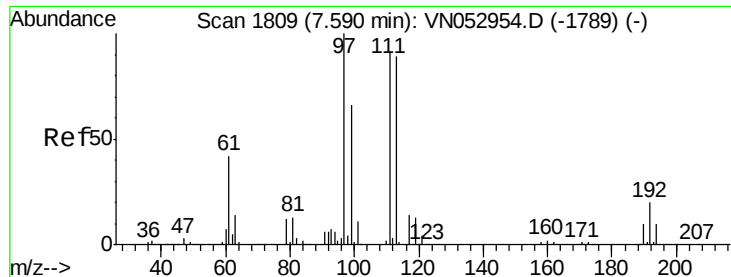
Tot Ion: 65 Resp: 593064
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion: 114 Resp: 1643177
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.6 0.0 31.0

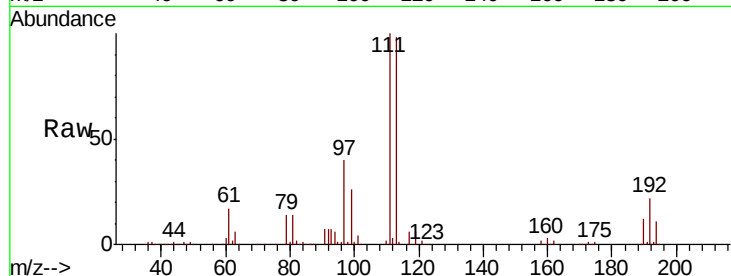




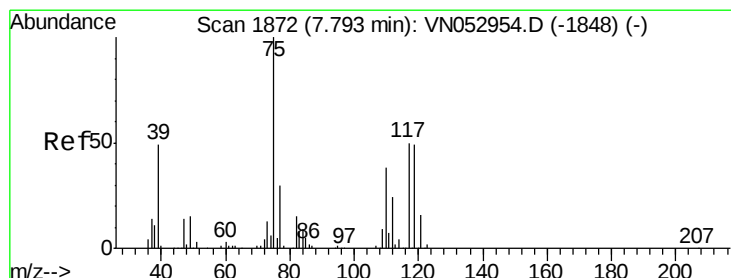
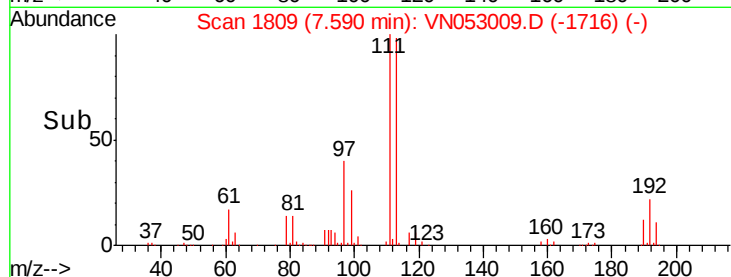
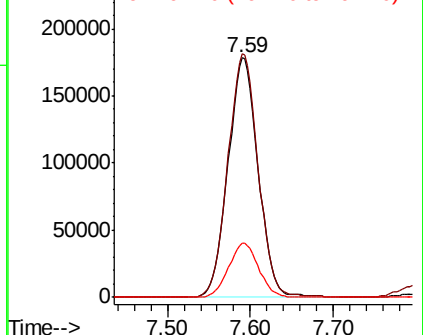
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.4
192	22.6	17.5	26.3

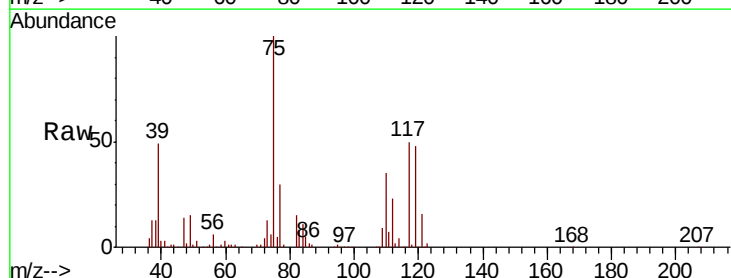


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

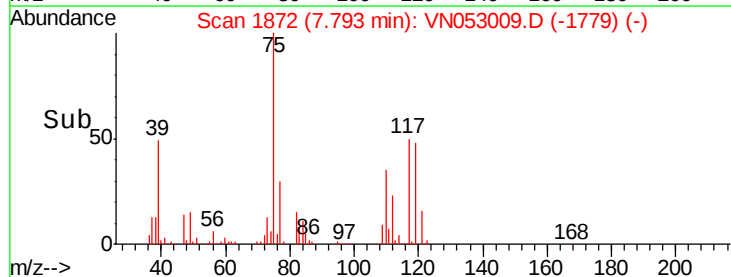
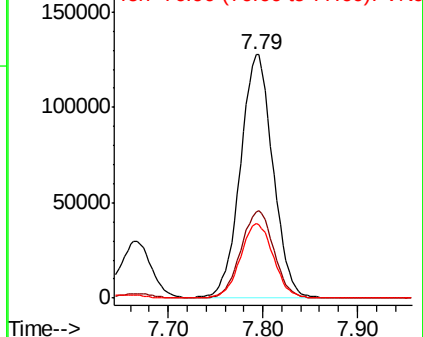


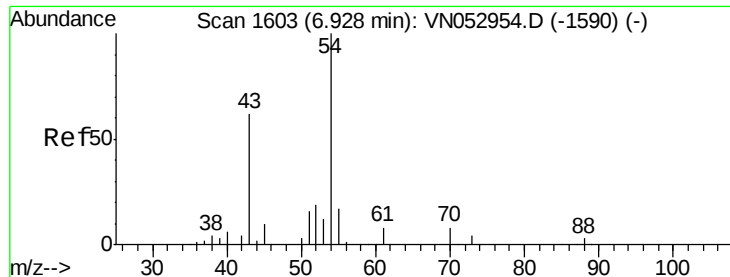
#36
 1,1-Dichloropropene
 Concen: 19.259 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.2	54.6
77	31.2	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

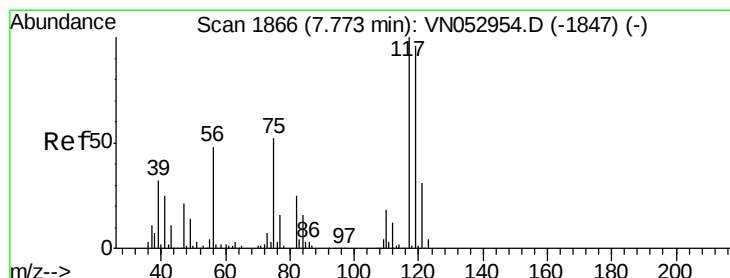
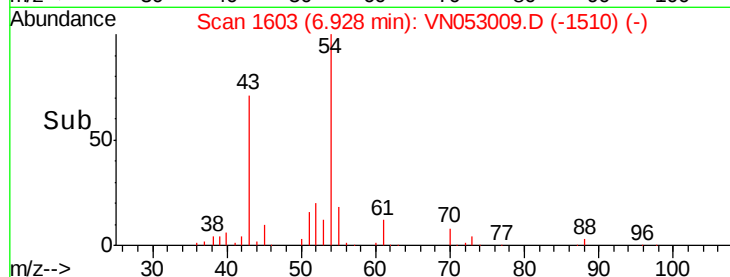
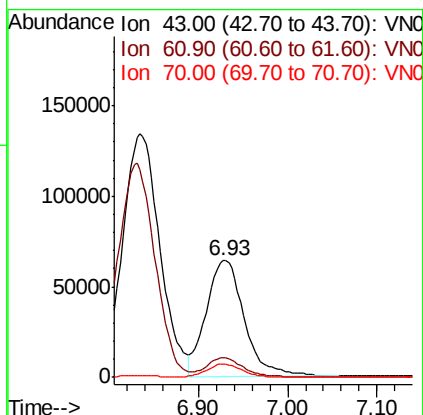
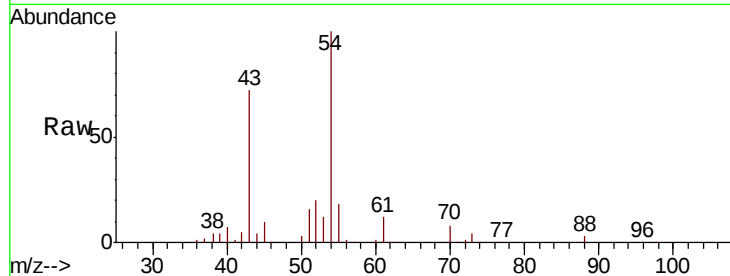




#37
Ethyl Acetate
Concen: 21.556 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

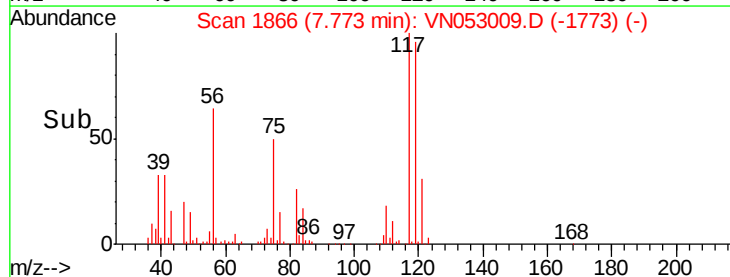
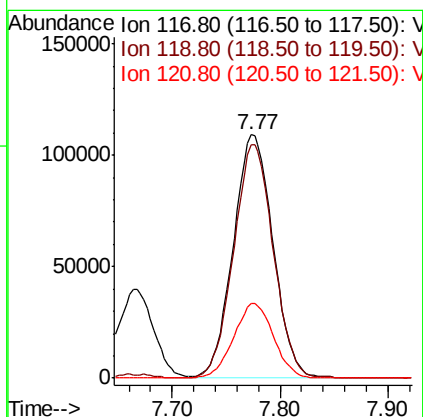
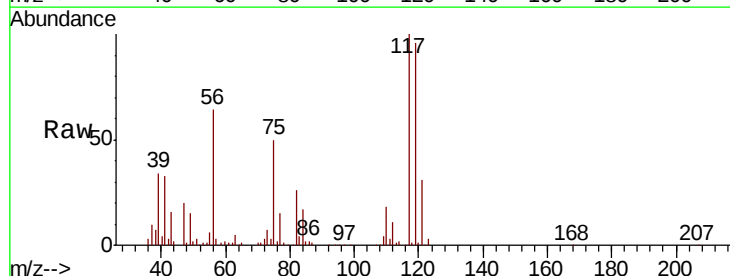
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 189792
Ion Ratio Lower Upper
43 100
61 15.8 11.8 17.6
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.303 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 117 Resp: 279054
Ion Ratio Lower Upper
117 100
119 95.7 77.1 115.7
121 30.7 24.9 37.3

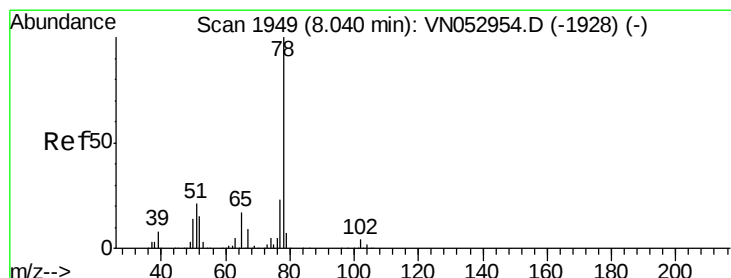
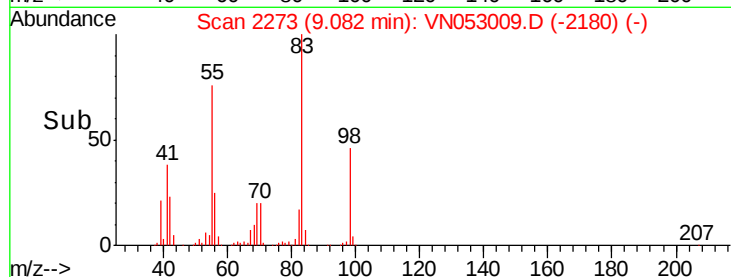
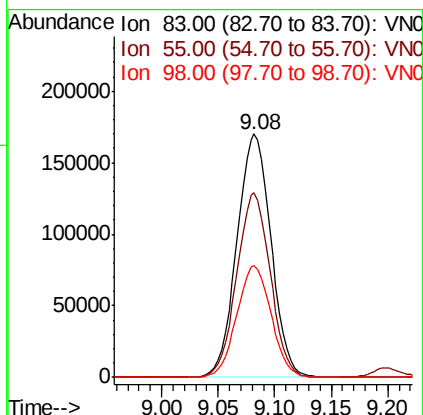
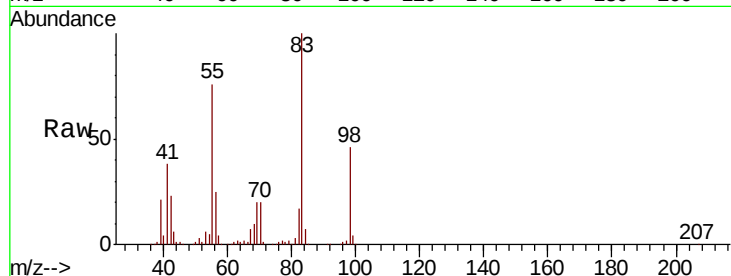




#39
Methvlcvclohexane
Concen: 18.637 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

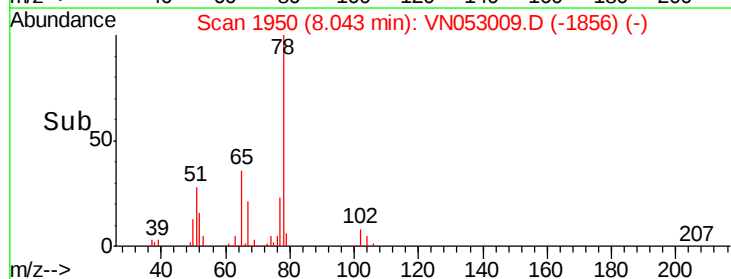
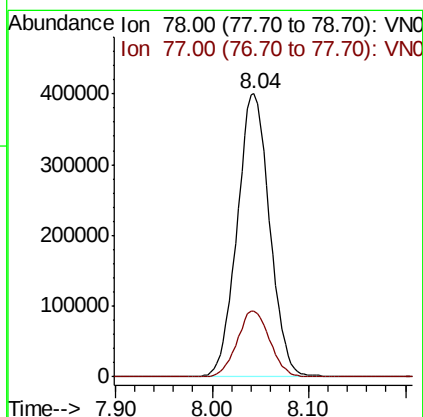
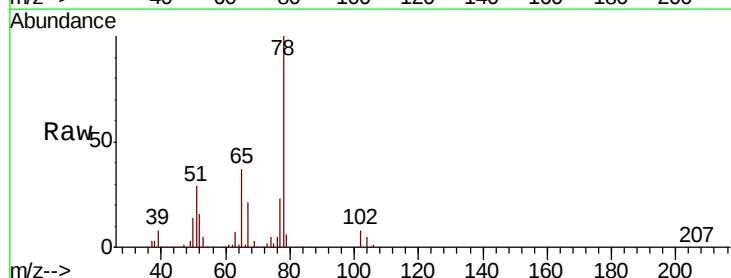
Instrument :
MSVOA_N
ClientSampled :

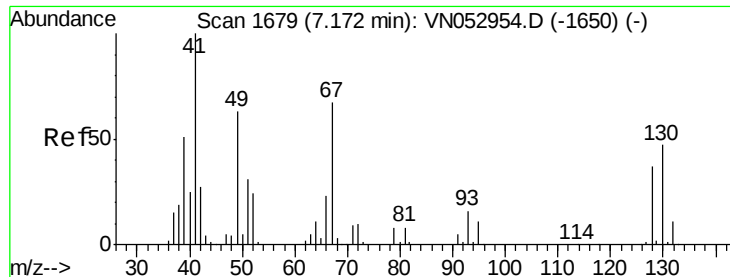
Tot Ion: 83 Resp: 357077
Ion Ratio Lower Upper
83 100
55 76.1 61.3 91.9
98 46.1 37.0 55.4



#40
Benzene
Concen: 19.940 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 78 Resp: 935444
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7

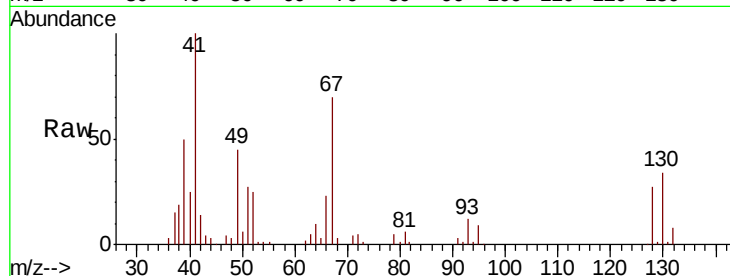




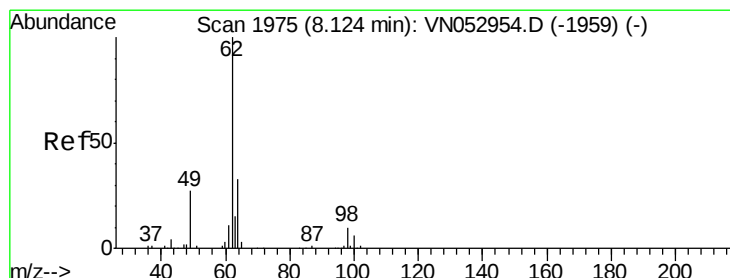
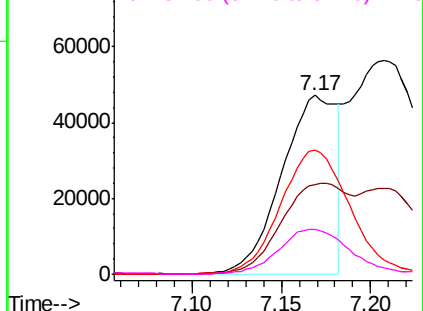
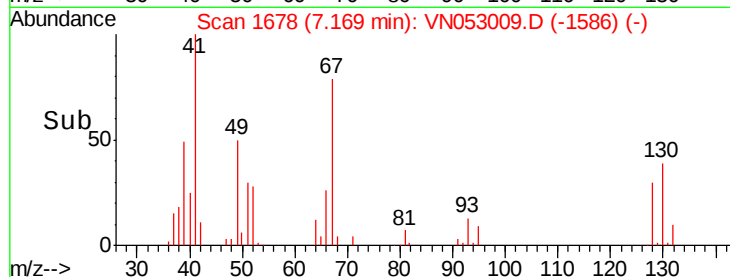
#41
Methacrylonitrile
Concen: 19.812 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 100786
Ion Ratio Lower Upper
41 100
39 64.1 48.0 72.0
67 88.9 70.3 105.5
52 33.2 26.9 40.3

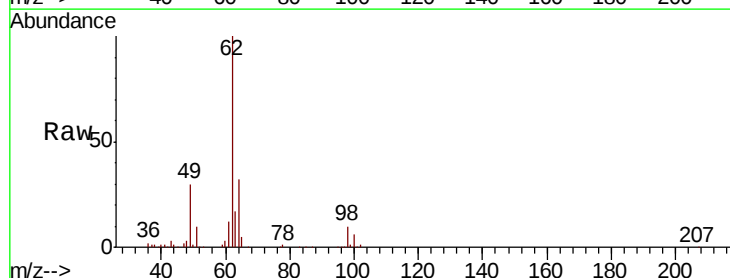


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

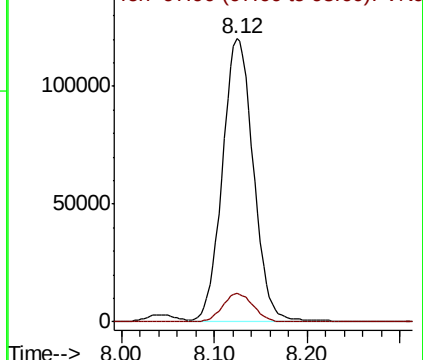
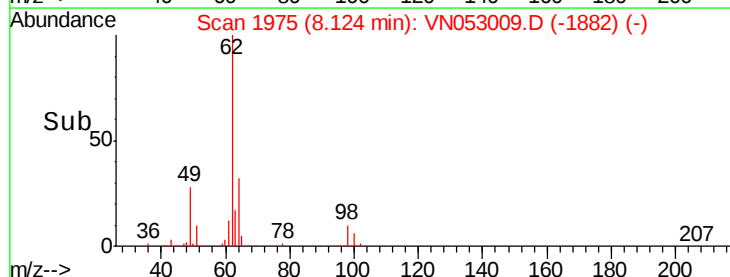


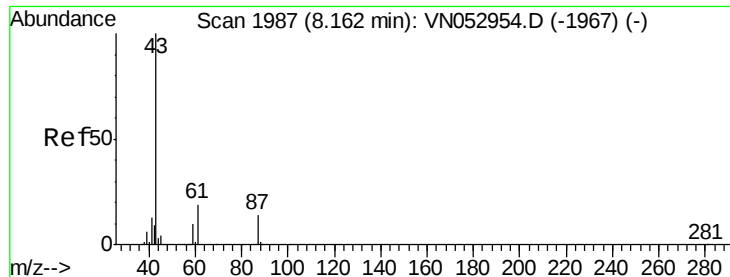
#42
1,2-Dichloroethane
Concen: 20.033 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 62 Resp: 277636
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 20.261 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

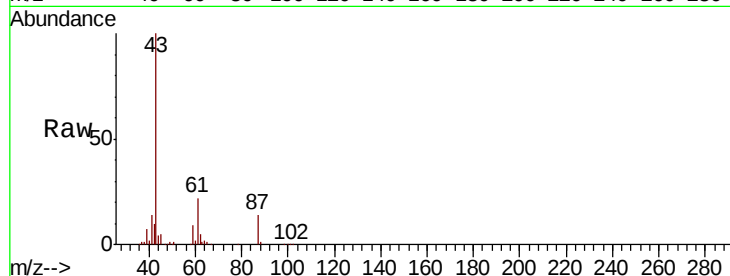
Tot Ion: 43 Resp: 355802

Ion Ratio Lower Upper

43 100

61 28.0 22.9 34.3

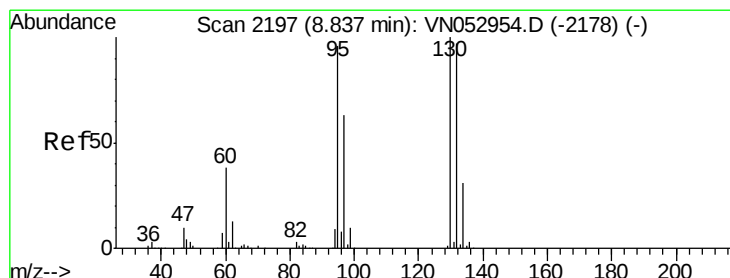
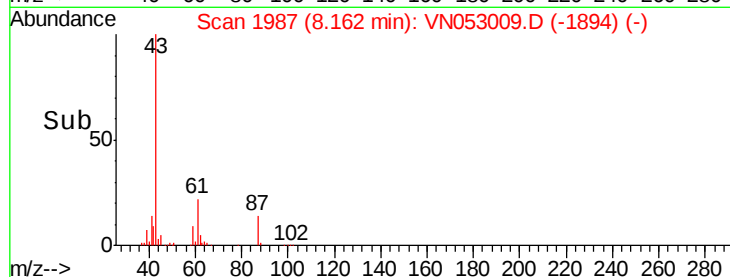
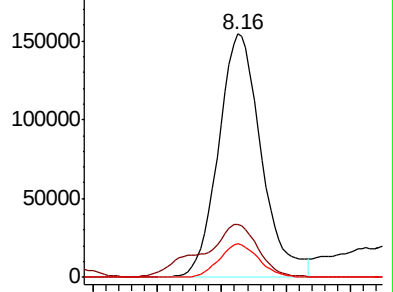
87 12.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



#44

Trichloroethene

Concen: 19.406 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053009.D

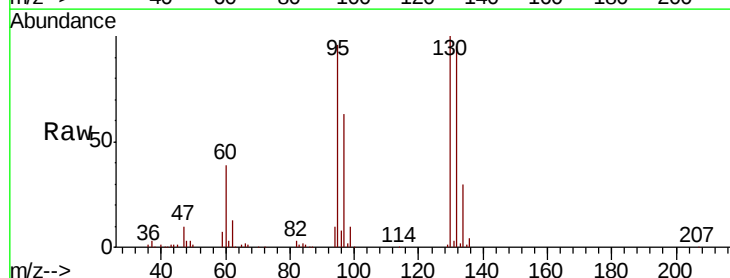
Acq: 19 Dec 2018 14:23

Tgt Ion:130 Resp: 263318

Ion Ratio Lower Upper

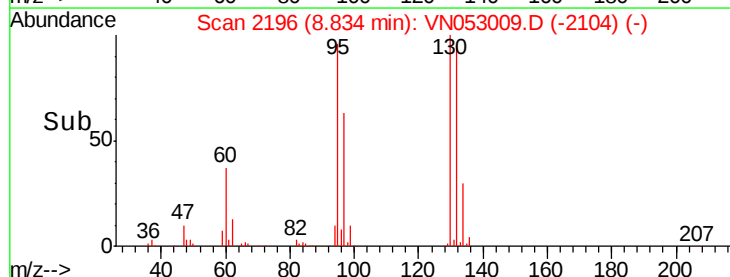
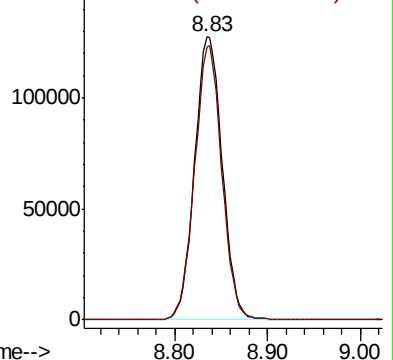
130 100

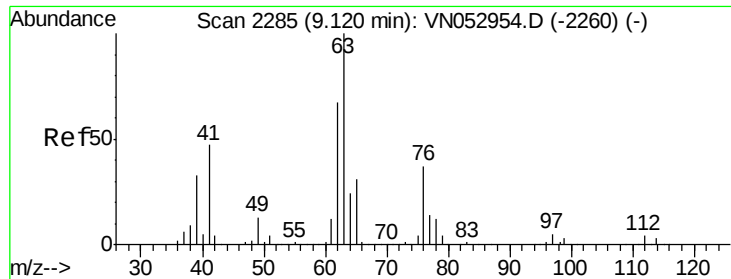
95 96.5 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

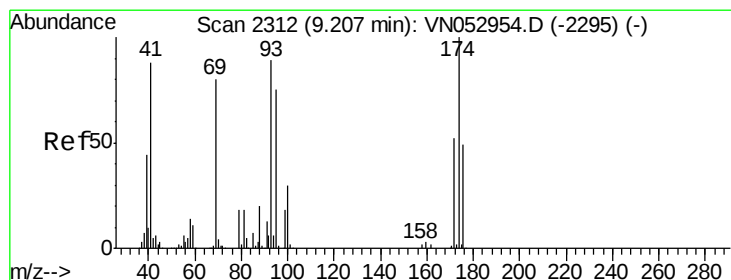
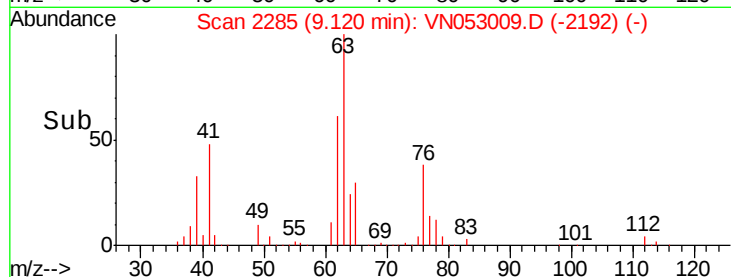
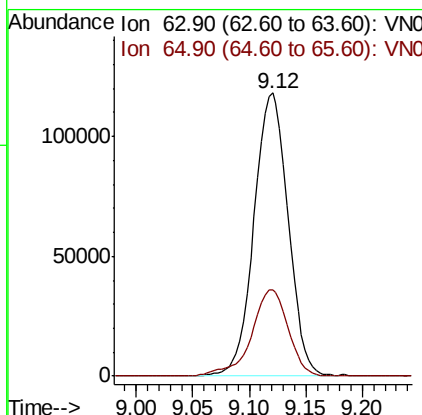
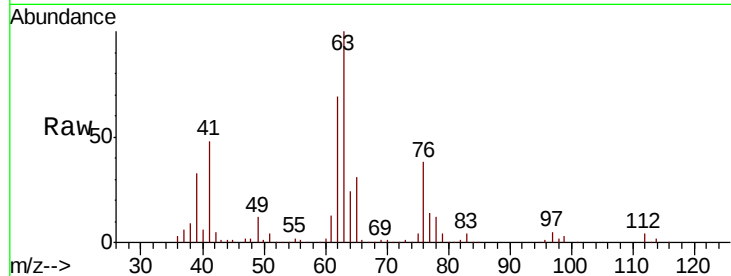




#45
 1,2-Dichloropropane
 Concen: 20.299 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

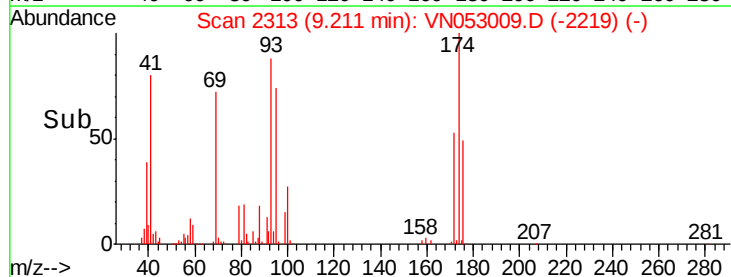
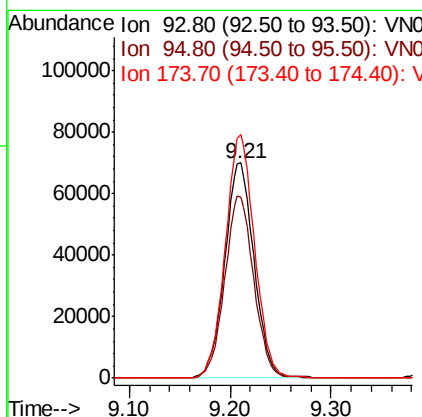
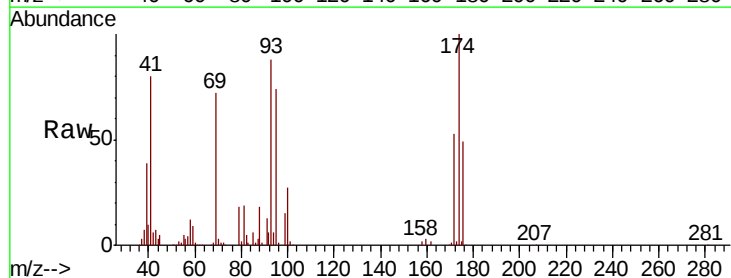
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 248039
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 37.0



#46
 Dibromomethane
 Concen: 19.939 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion: 93 Resp: 141932
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.8 101.6
 174 113.1 89.0 133.4





#47

Bromodichloromethane

Concen: 19.430 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

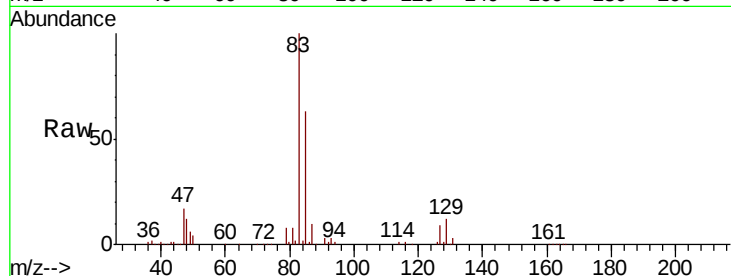
Tot Ion: 83 Resp: 293996

Ion Ratio Lower Upper

83 100

85 63.2 51.6 77.4

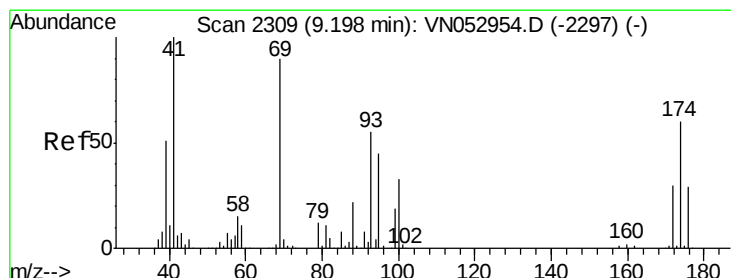
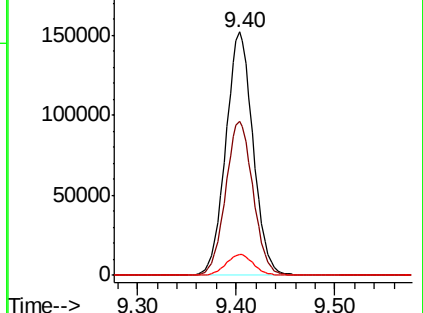
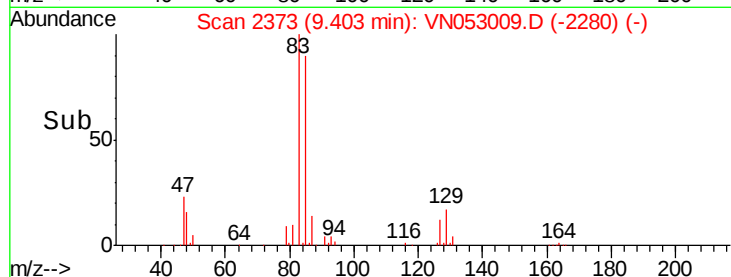
127 8.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053009.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053009.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053009.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.304 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

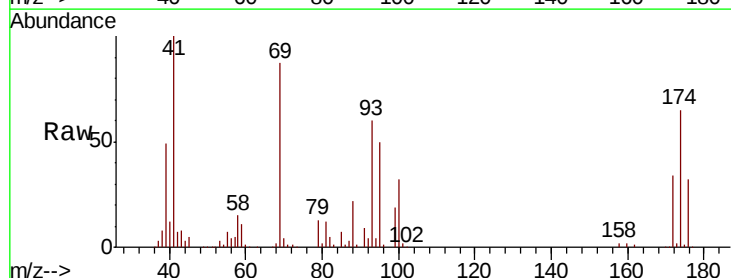
Tgt Ion: 41 Resp: 173474

Ion Ratio Lower Upper

41 100

69 91.6 72.2 108.2

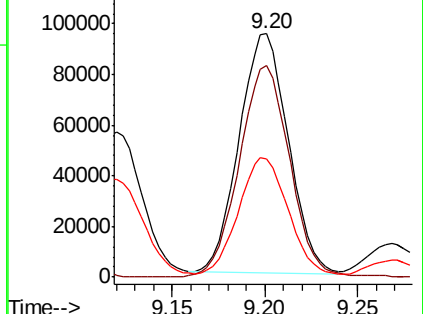
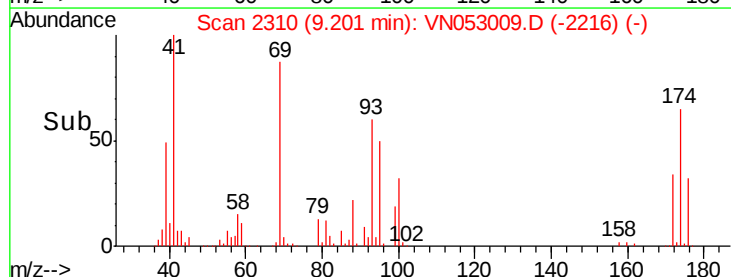
39 51.3 41.9 62.9

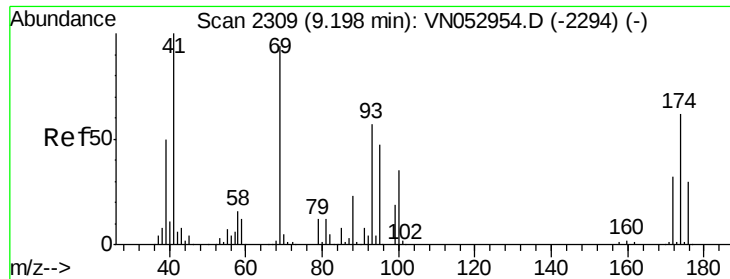


Abundance Ion 41.00 (40.70 to 41.70): VN053009.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053009.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053009.D (-2216) (-)





#49

1,4-Dioxane

Concen: 400.497 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :

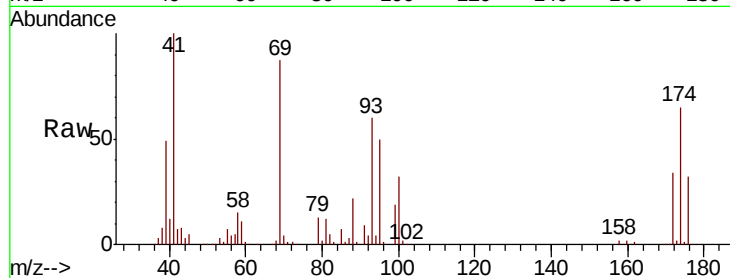
Tot Ion: 88 Resp: 43283

Ion Ratio Lower Upper

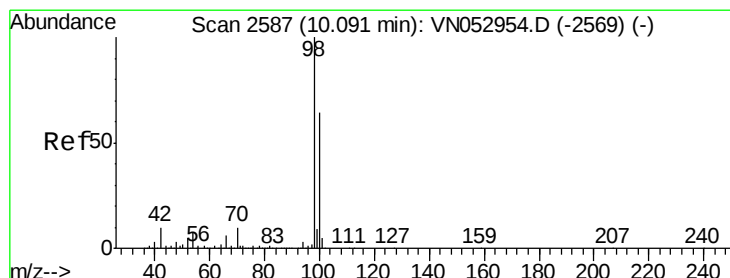
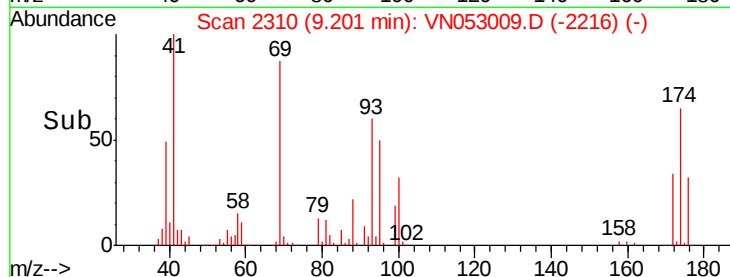
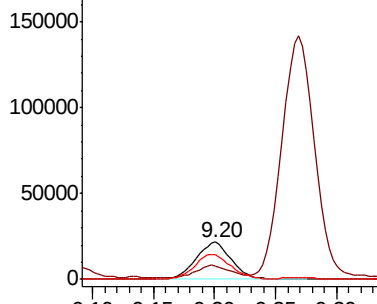
88 100

43 32.6 26.6 40.0

58 68.7 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 400.497 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053009.D

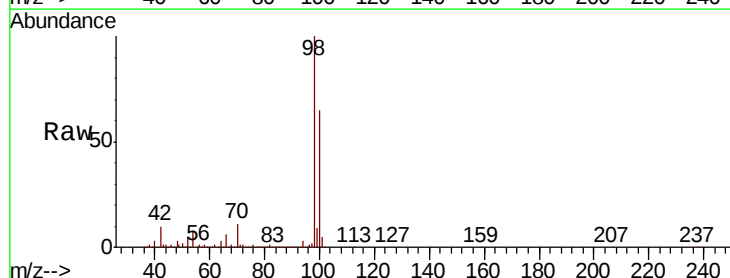
Acq: 19 Dec 2018 14:23

Tgt Ion: 98 Resp: 2148922

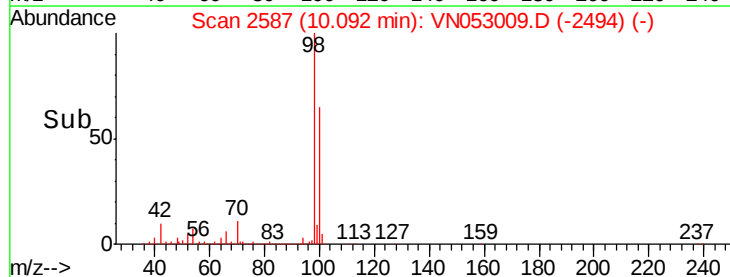
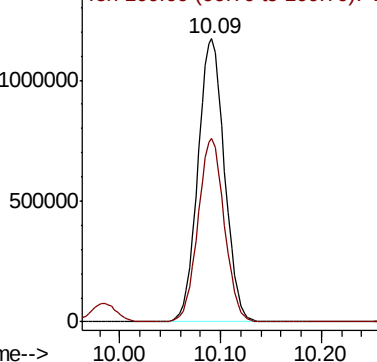
Ion Ratio Lower Upper

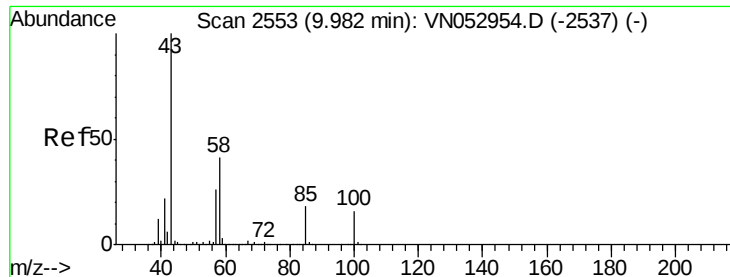
98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

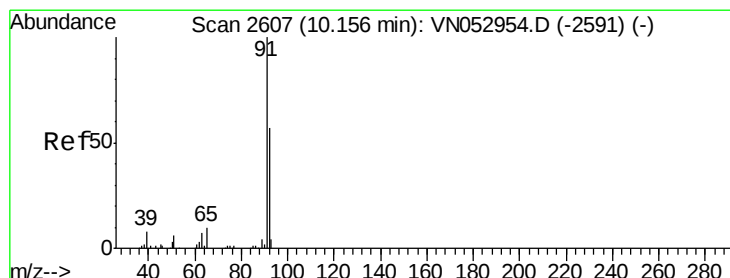
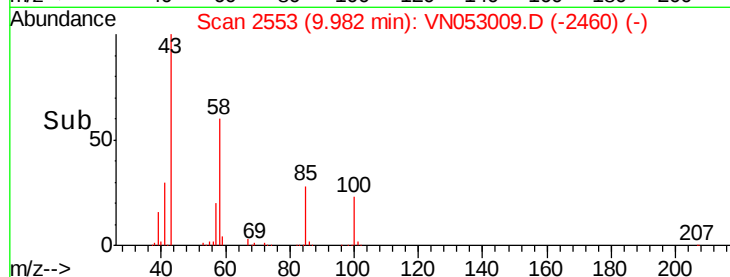
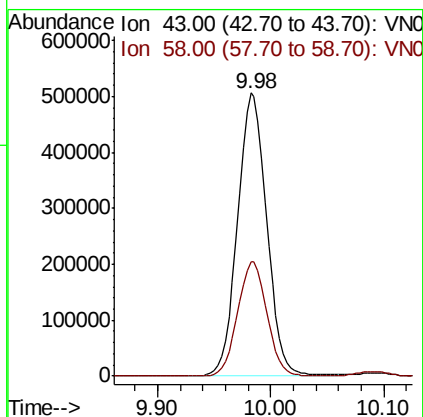
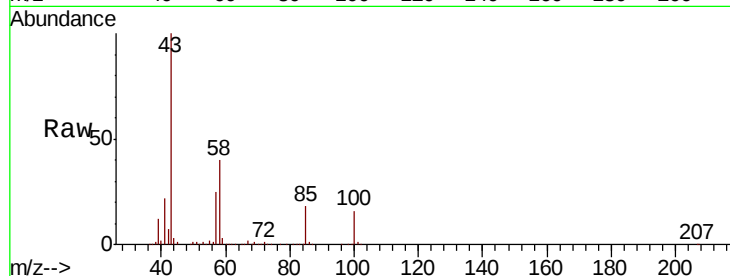




#51
4-Methyl-2-Pentanone
Concen: 106.471 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

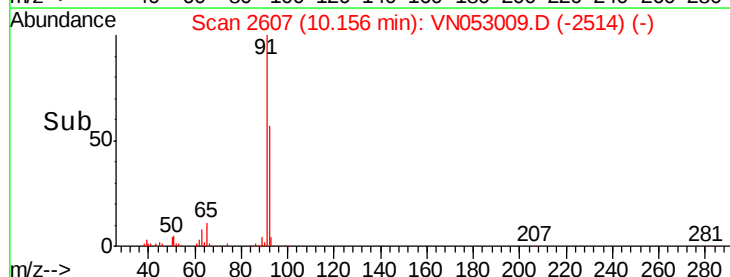
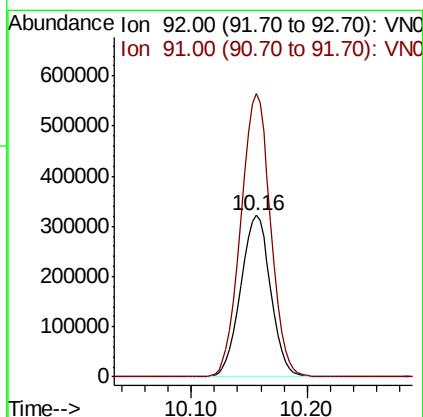
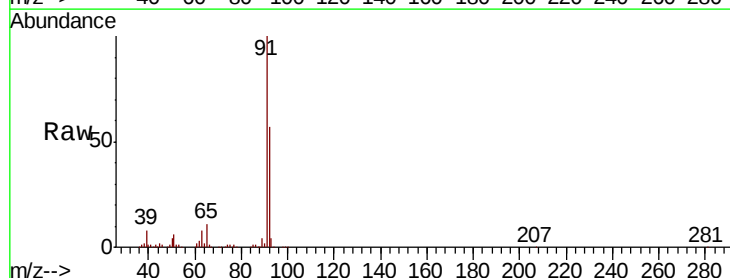
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 907819
Ion Ratio Lower Upper
43 100
58 40.7 32.2 48.4



#52
Toluene
Concen: 19.782 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 92 Resp: 575206
Ion Ratio Lower Upper
92 100
91 175.2 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 18.302 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

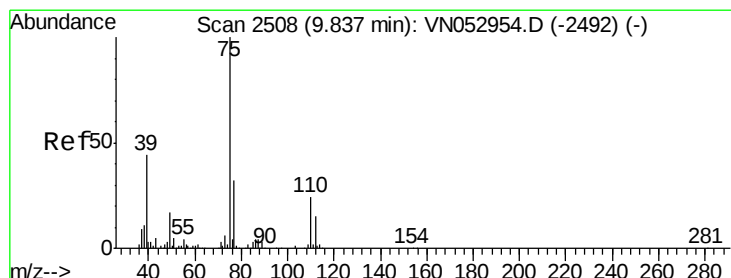
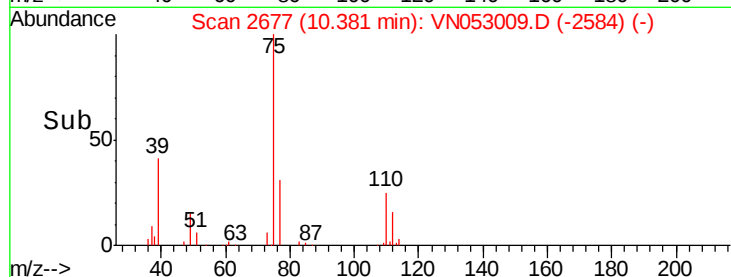
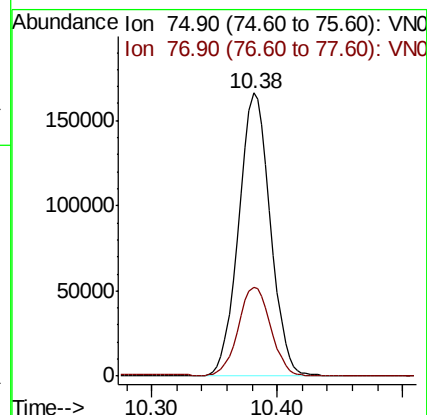
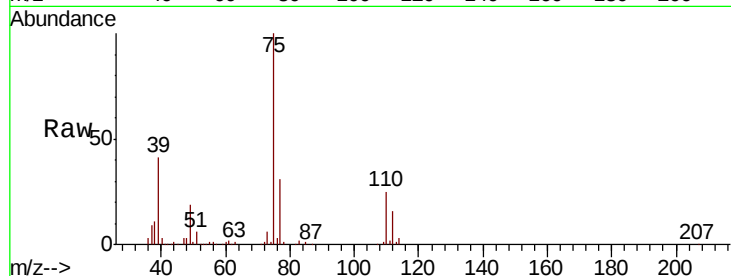
ClientSampleId :

Tot Ion: 75 Resp: 291211

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 19.202 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

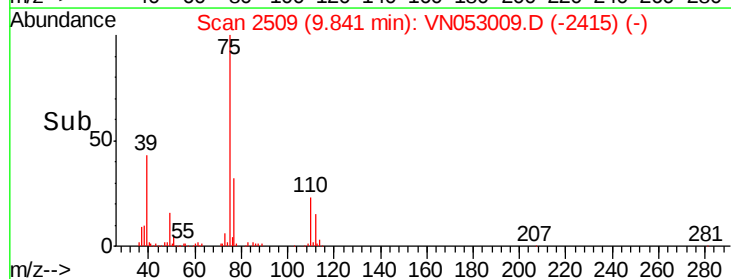
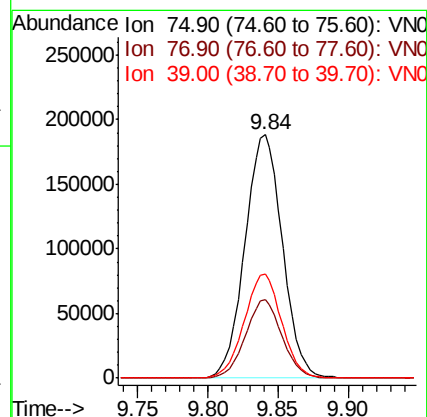
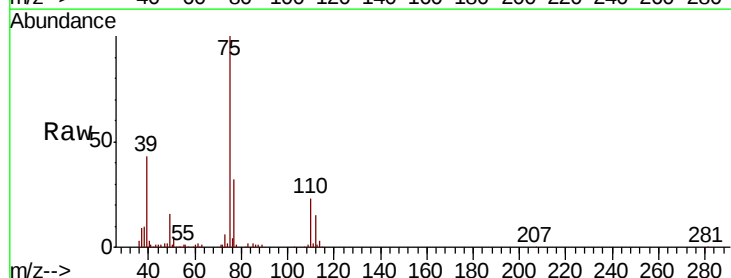
Tgt Ion: 75 Resp: 350697

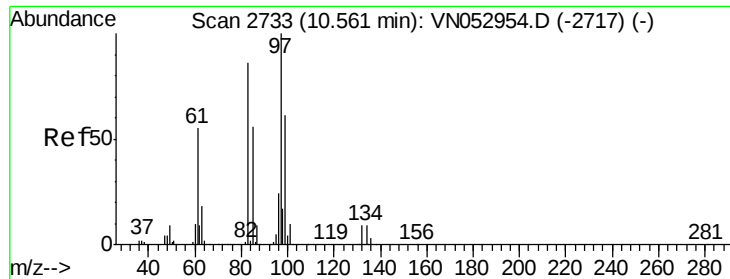
Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.8

39 42.6 34.8 52.2

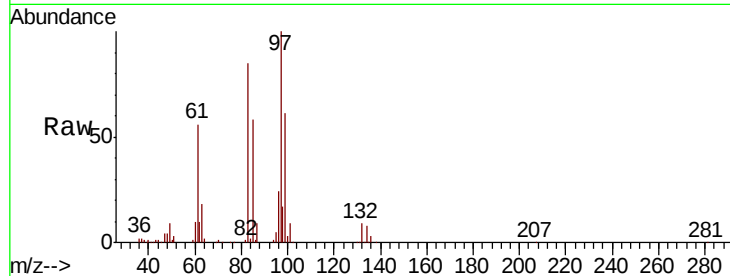




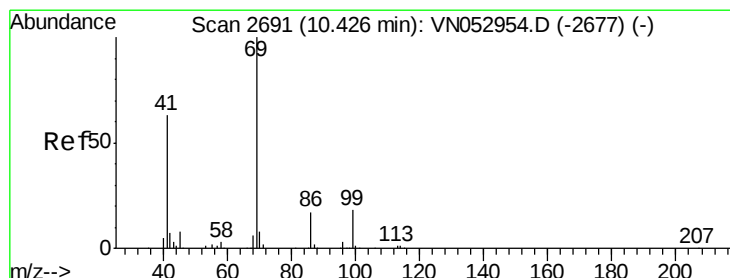
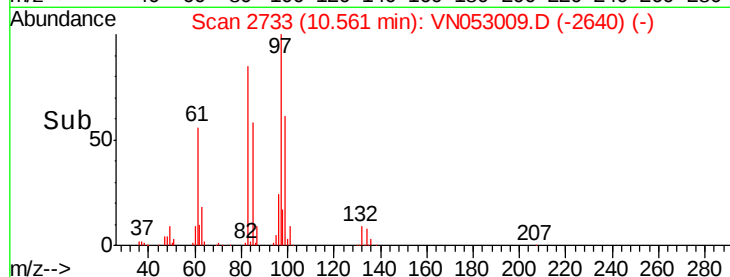
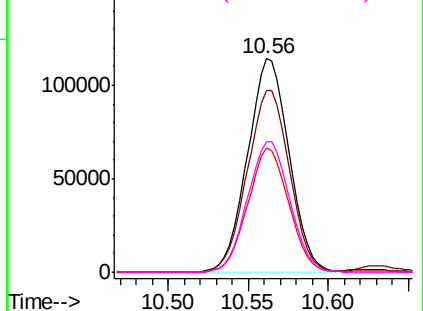
#55
 1,1,2-Trichloroethane
 Concen: 20.134 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	204245
Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.9	106.3
85	58.1	45.4	68.2
99	61.4	50.4	75.6

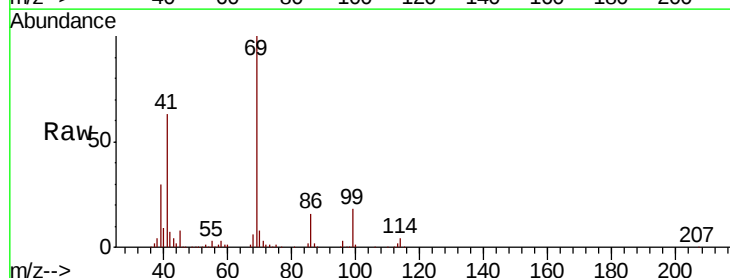


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

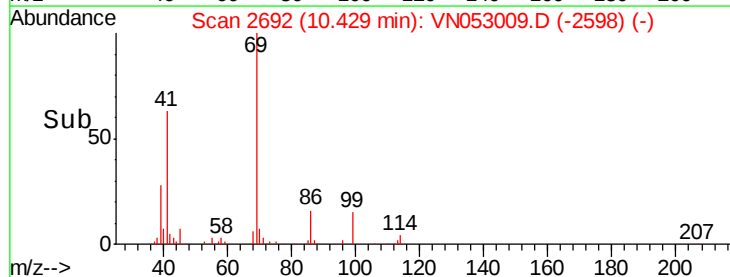
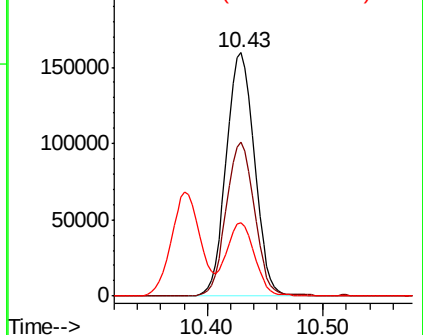


#56
 Ethyl methacrylate
 Concen: 20.080 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion:	69	Resp:	269614
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	29.8	24.6	37.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.369 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

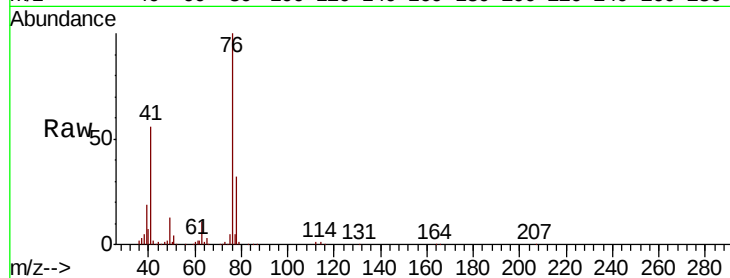
ClientSampled :

Tot Ion: 76 Resp: 354338

Ion Ratio Lower Upper

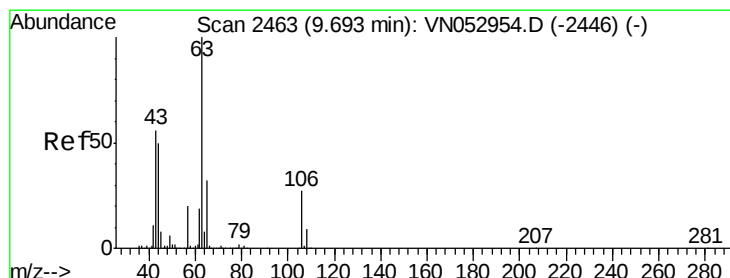
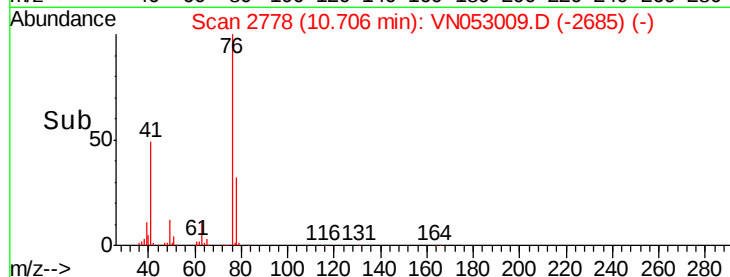
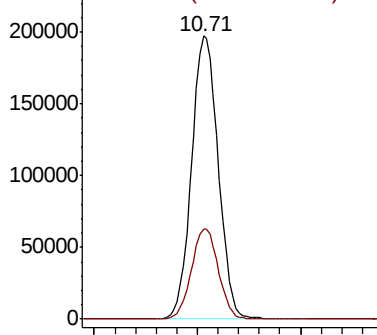
76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 106.036 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053009.D

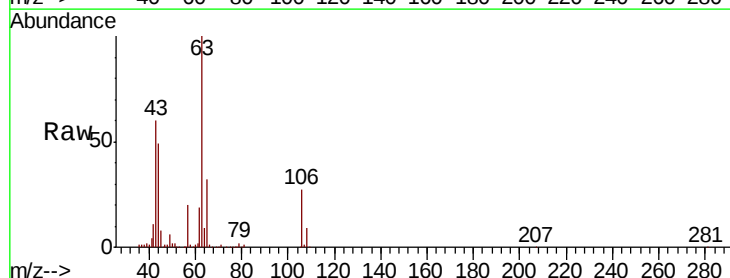
Acq: 19 Dec 2018 14:23

Tgt Ion: 63 Resp: 781624

Ion Ratio Lower Upper

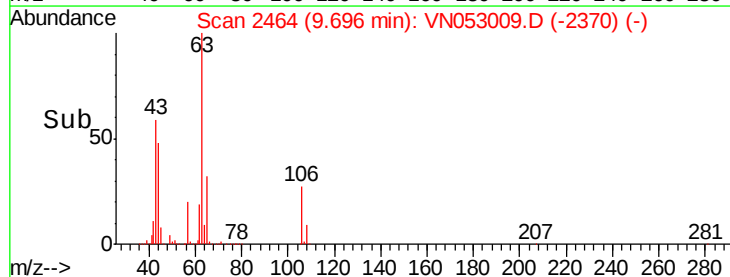
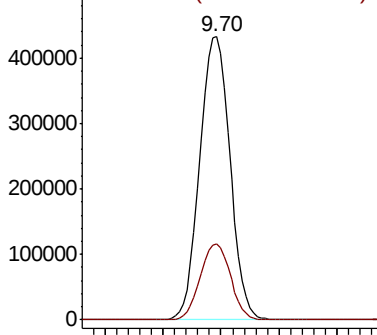
63 100

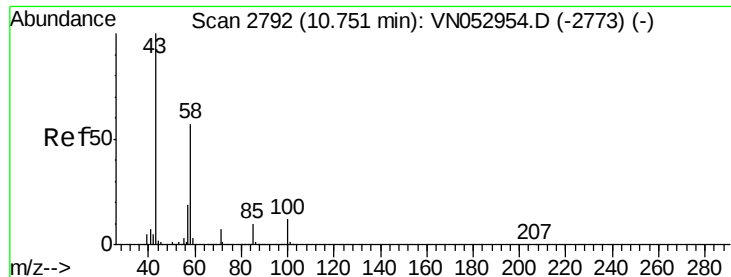
106 26.9 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

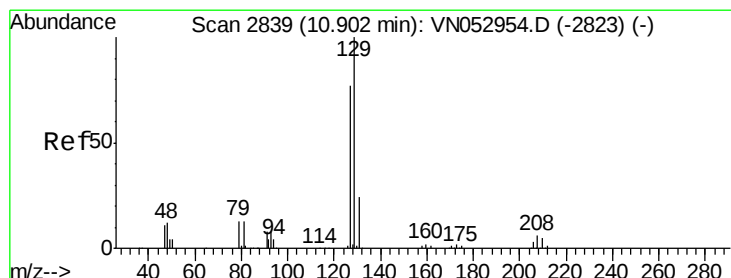
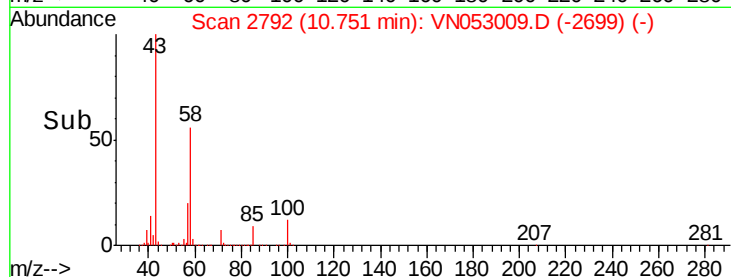
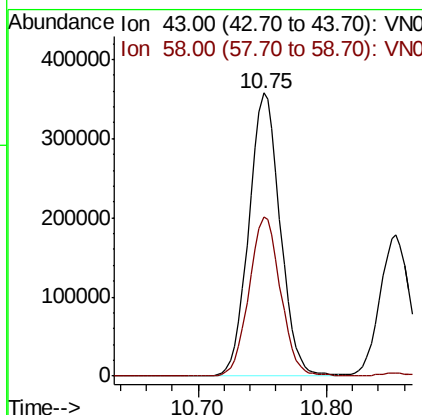
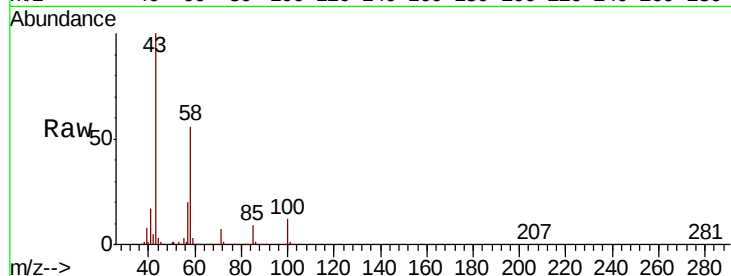




#59
2-Hexanone
Concen: 104.288 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

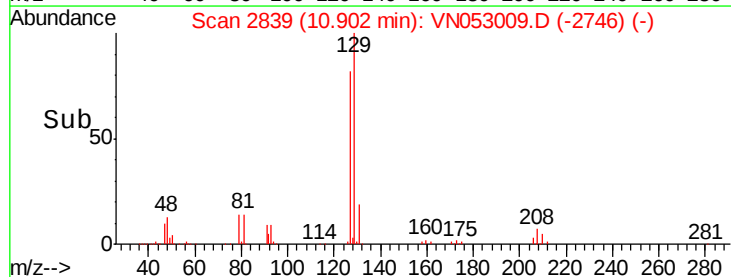
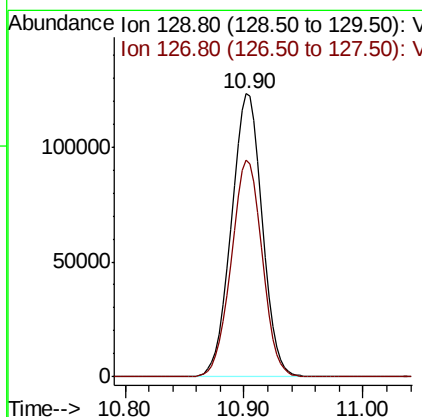
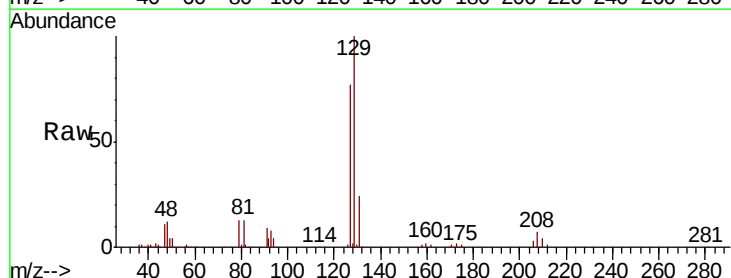
Instrument :
MSVOA_N
ClientSampled :

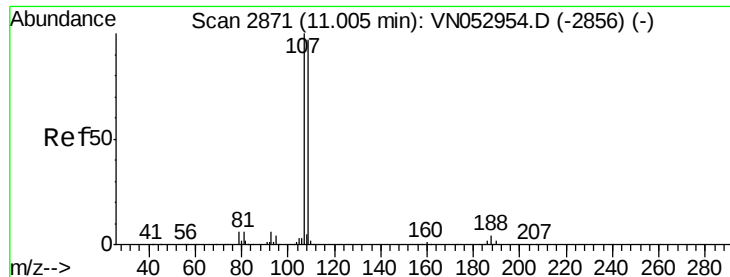
Tot Ion: 43 Resp: 601624
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.3



#60
Dibromochloromethane
Concen: 19.097 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion: 129 Resp: 221756
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0

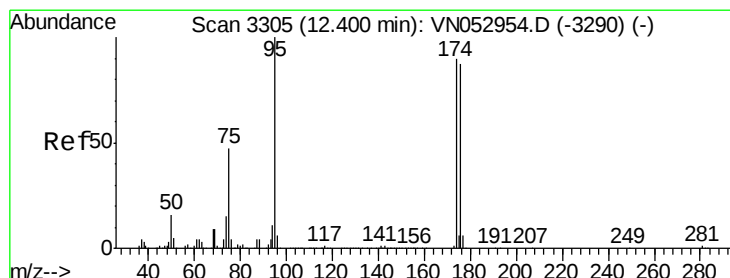
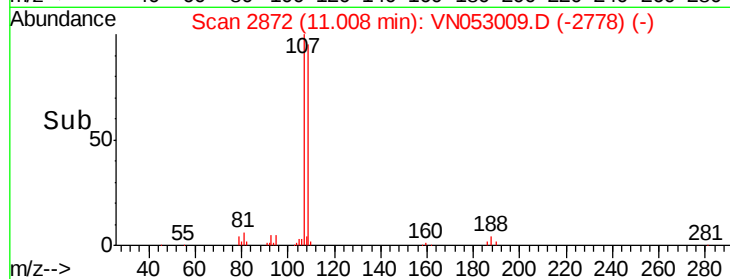
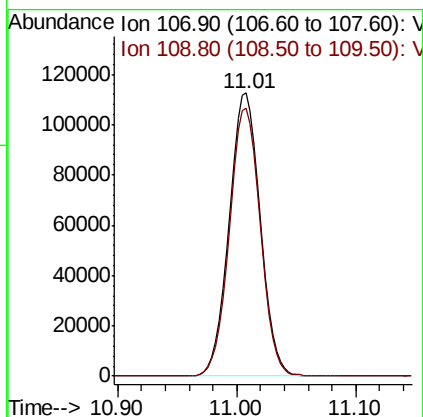
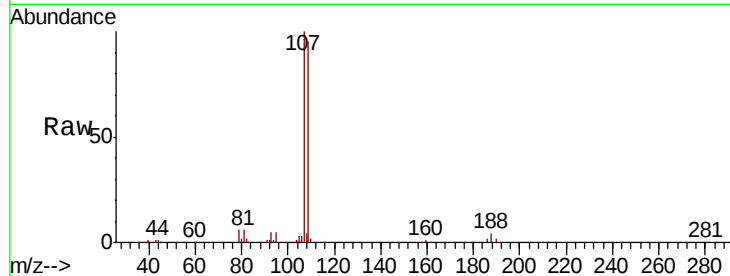




#61
 1,2-Dibromoethane
 Concen: 19.771 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

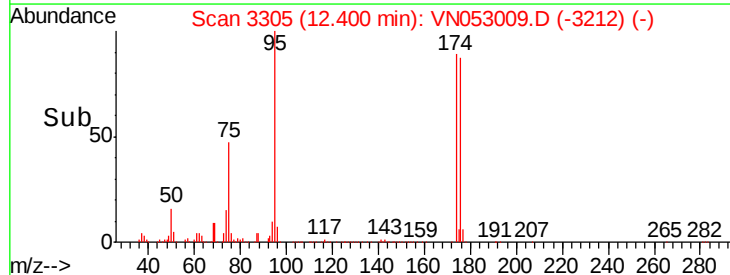
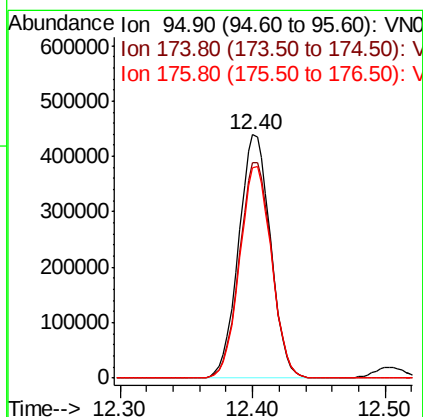
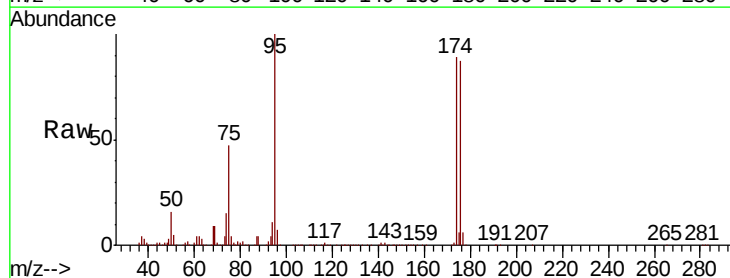
Instrument :
 MSVOA_N
 ClientSampleId :

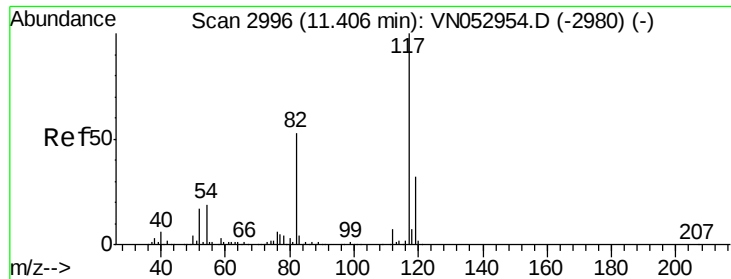
Tot Ion: 107 Resp: 203691
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 19.771 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion: 95 Resp: 732166
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.8
 176 86.9 0.0 173.8

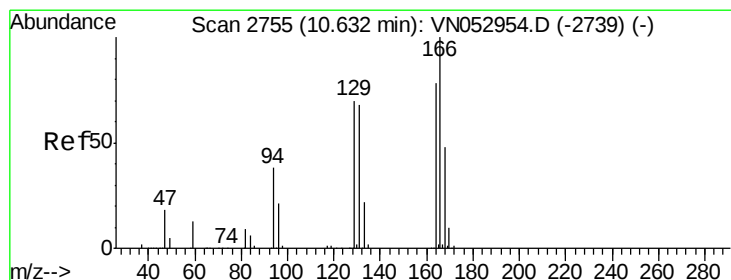
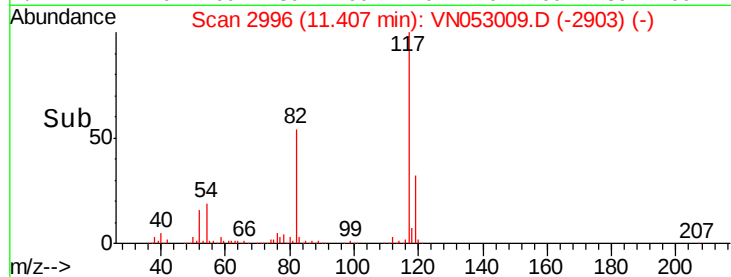
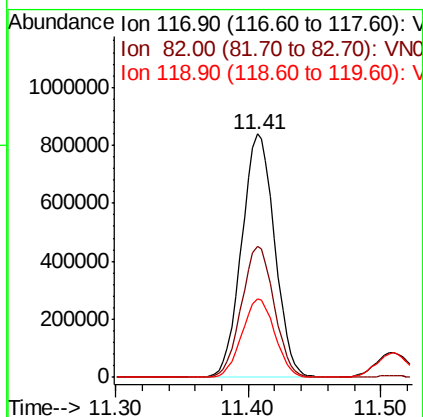
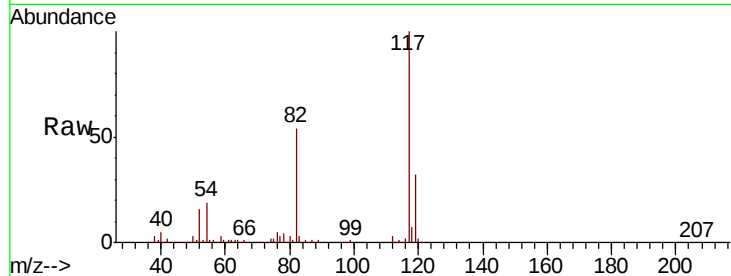




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

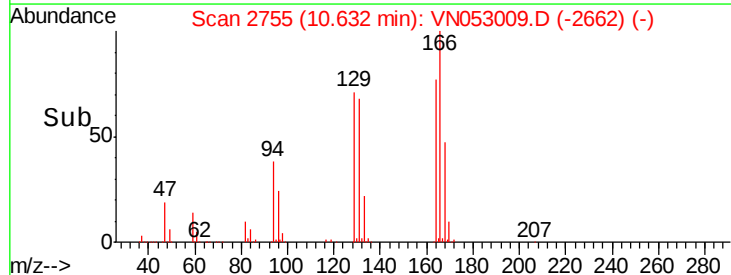
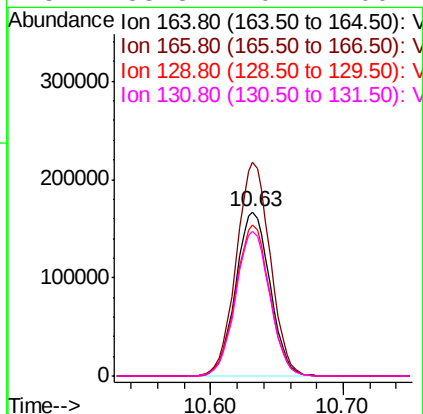
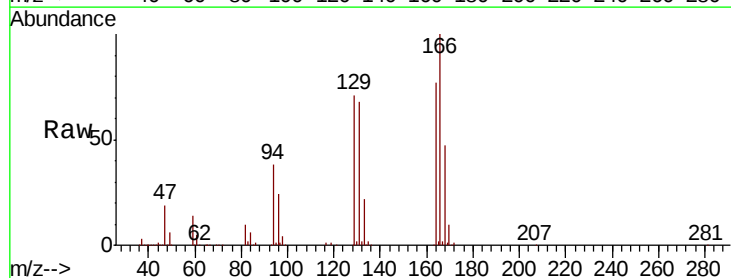
Instrument :
MSVOA_N
ClientSampled :

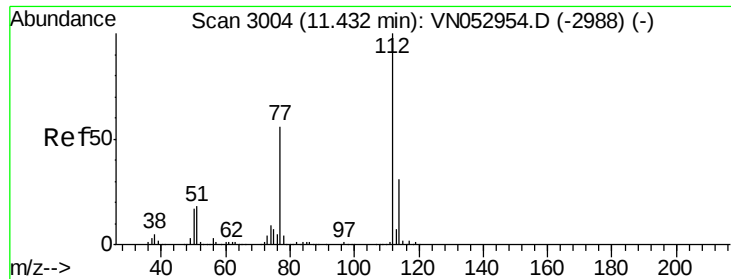
Tot Ion:117 Resp: 1449373
Ion Ratio Lower Upper
117 100
82 54.0 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 19.062 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion:164 Resp: 299270
Ion Ratio Lower Upper
164 100
166 130.4 102.9 154.3
129 92.5 73.7 110.5
131 88.3 70.7 106.1





#65

Chlorobenzene

Concen: 19.543 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

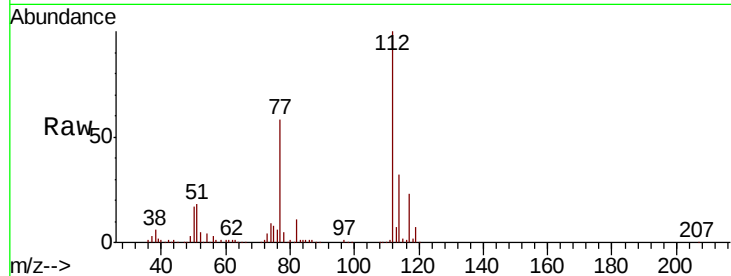
ClientSampled :

Tot Ion:112 Resp: 627880

Ion Ratio Lower Upper

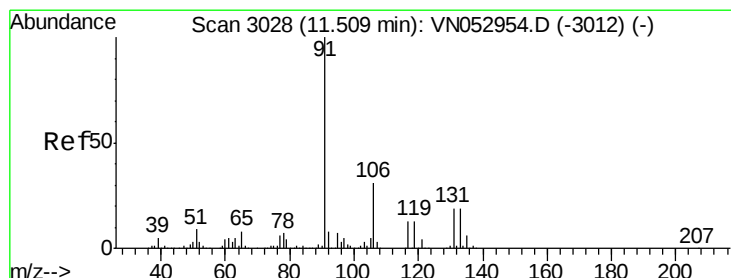
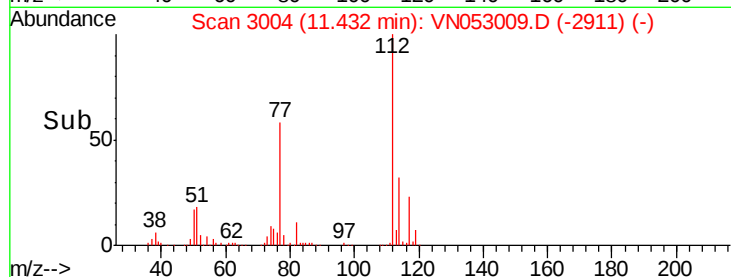
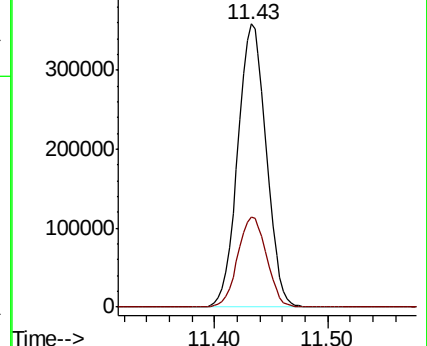
112 100

114 31.8 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.310 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

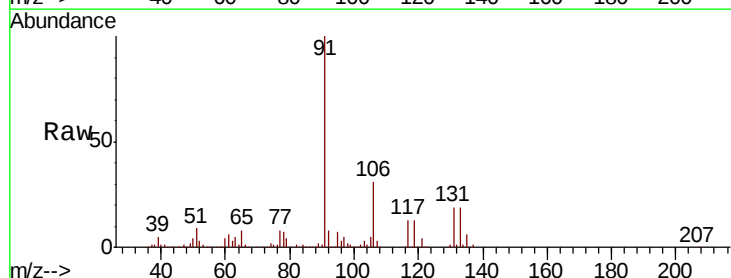
Tgt Ion:131 Resp: 215739

Ion Ratio Lower Upper

131 100

133 96.6 47.6 142.9

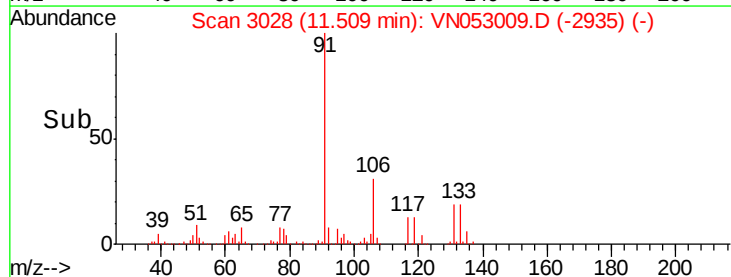
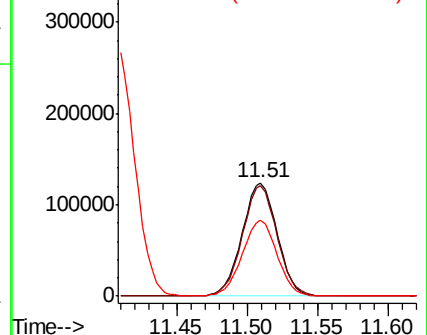
119 66.8 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.516 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

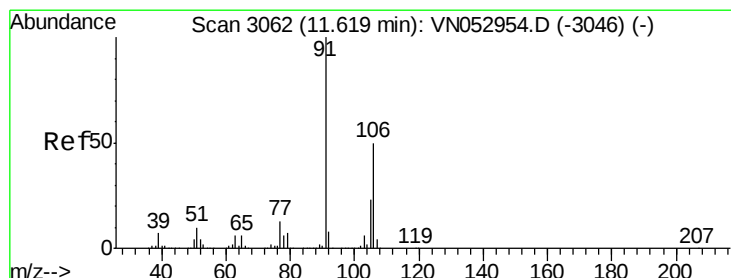
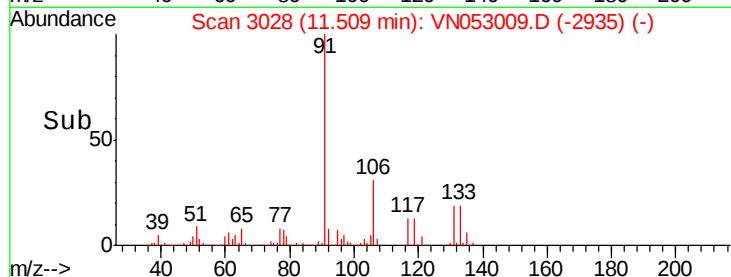
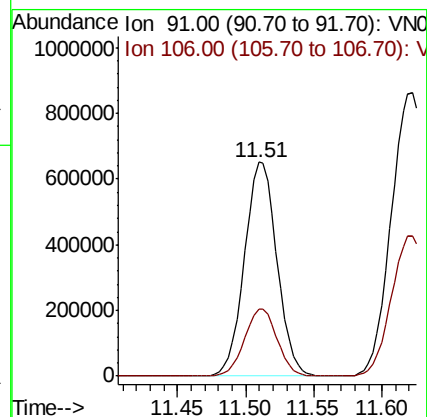
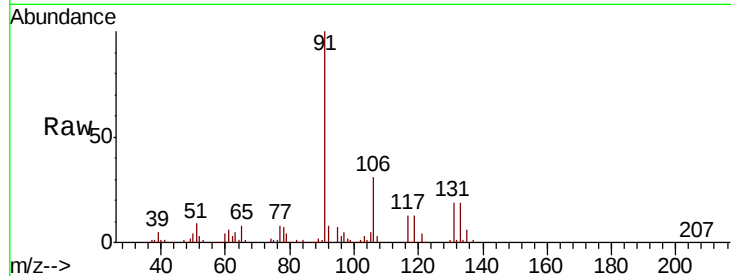
ClientSampled :

Tot Ion: 91 Resp: 1078304

Ion Ratio Lower Upper

91 100

106 31.3 24.9 37.3



#68

m/p-Xylenes

Concen: 39.162 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053009.D

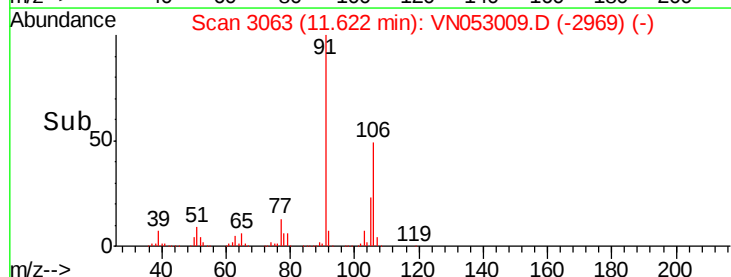
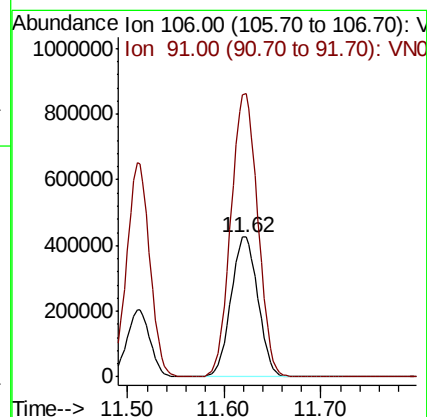
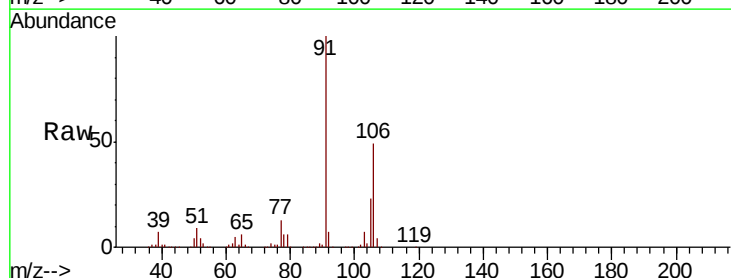
Acq: 19 Dec 2018 14:23

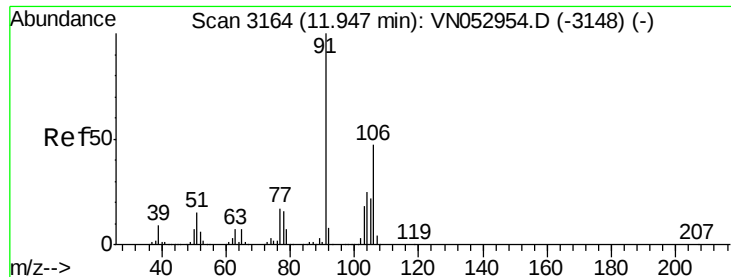
Tgt Ion: 106 Resp: 822585

Ion Ratio Lower Upper

106 100

91 202.8 162.2 243.4

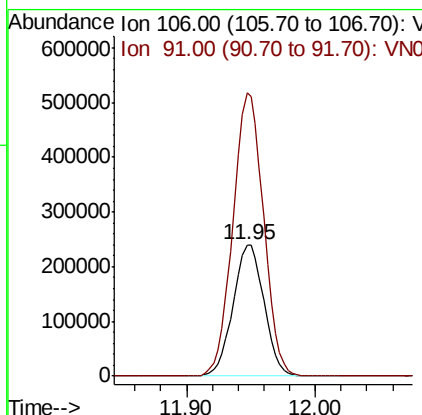
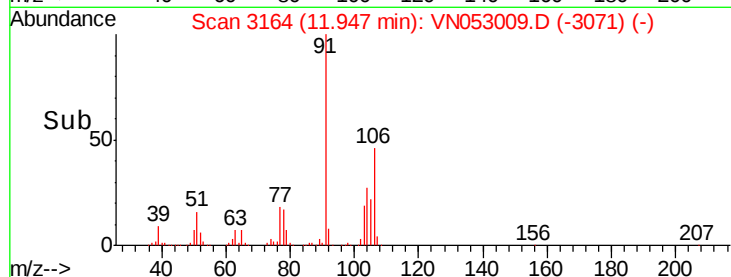
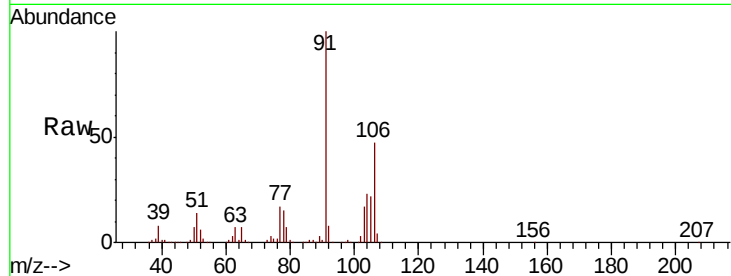




#69
o-Xylene
Concen: 19.838 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

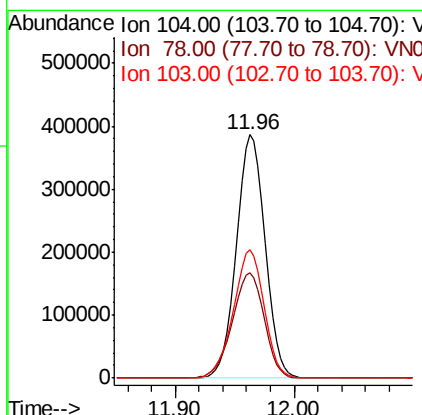
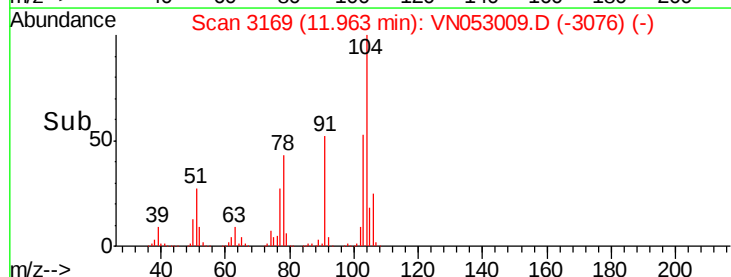
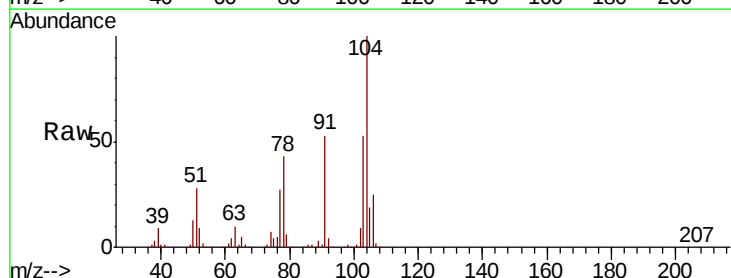
Instrument :
MSVOA_N
ClientSampled :

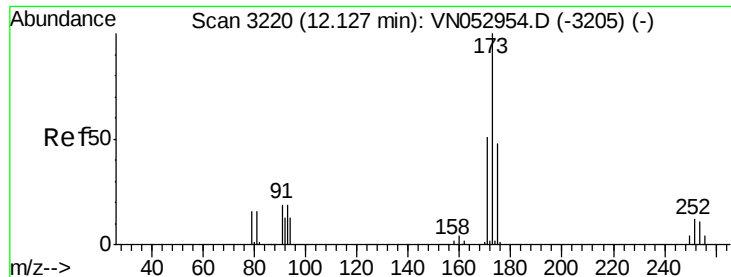
Tot Ion:106 Resp: 399857
Ion Ratio Lower Upper
106 100
91 213.6 106.6 319.8



#70
Styrene
Concen: 19.663 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion:104 Resp: 646229
Ion Ratio Lower Upper
104 100
78 48.1 38.9 58.3
103 56.4 44.3 66.5

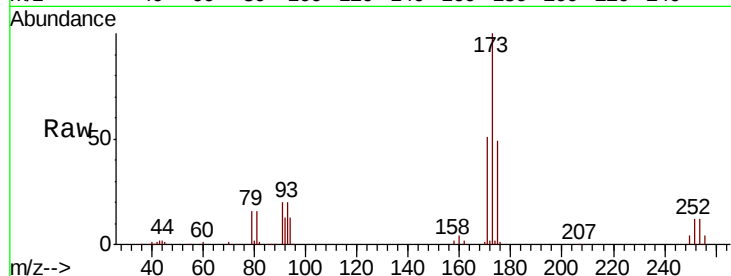




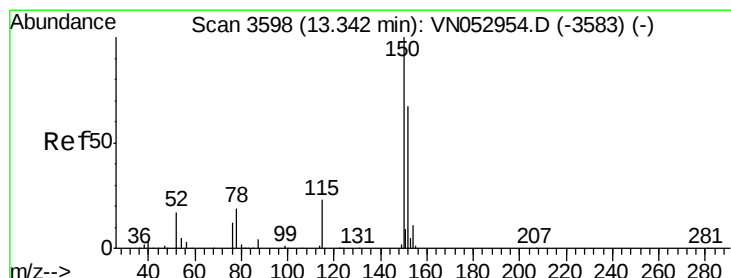
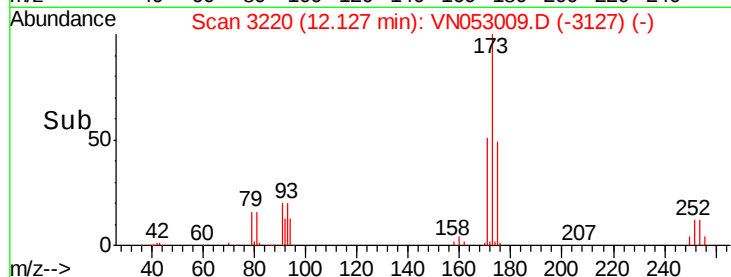
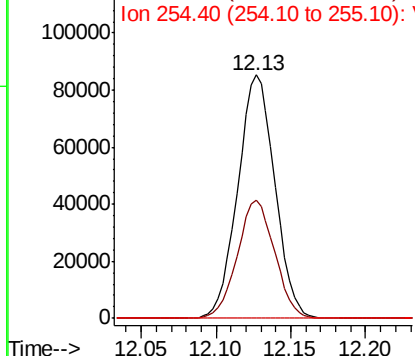
#71
Bromoform
Concen: 18.200 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 146894
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.9
254 0.1 0.1 0.1

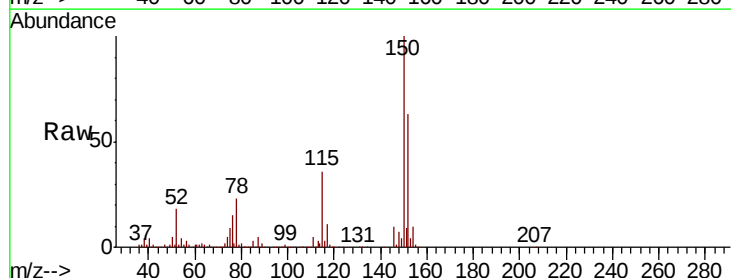


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

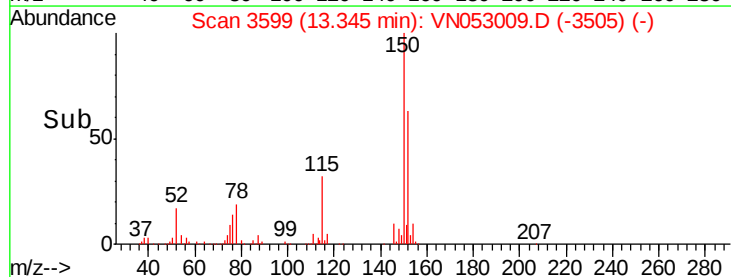
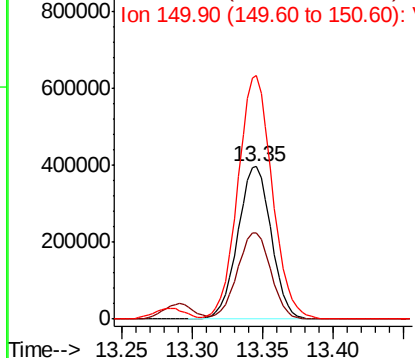


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion:152 Resp: 657531
Ion Ratio Lower Upper
152 100
115 56.9 28.3 85.0
150 164.8 0.0 347.8



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





#73

Isopropylbenzene

Concen: 20.501 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

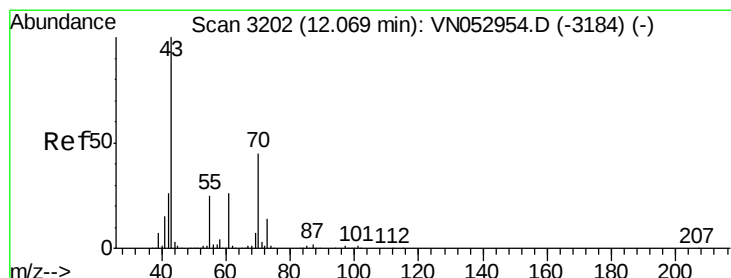
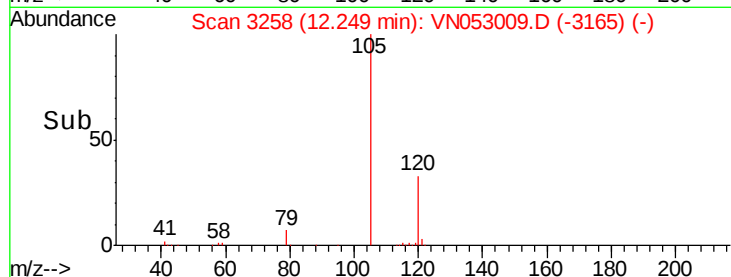
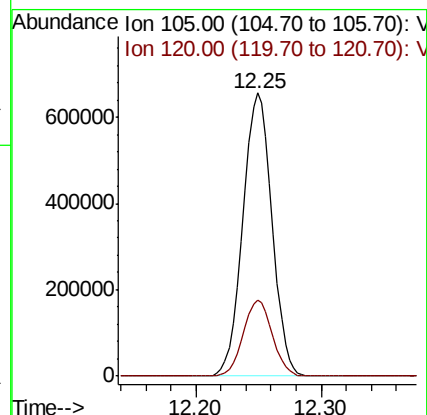
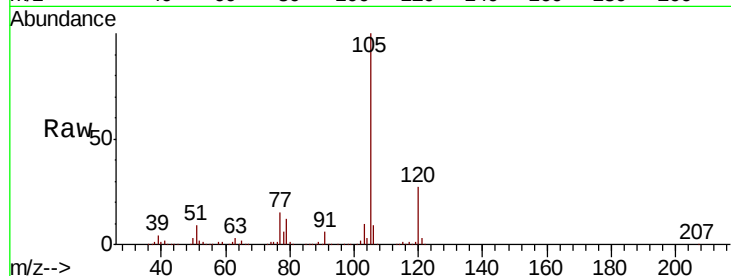
ClientSampleId :

Tot Ion:105 Resp: 1054701

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 20.763 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Tgt Ion: 43 Resp: 296570

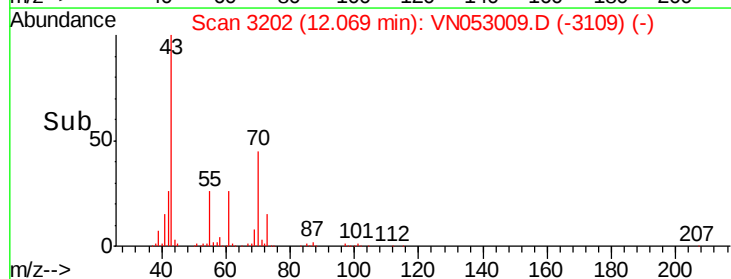
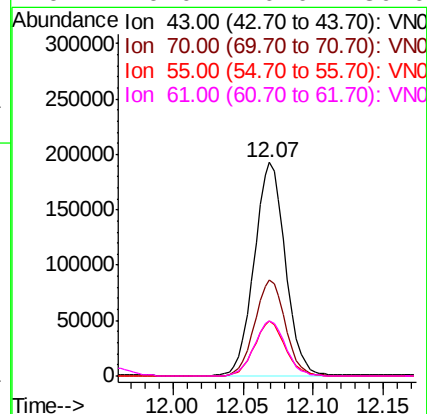
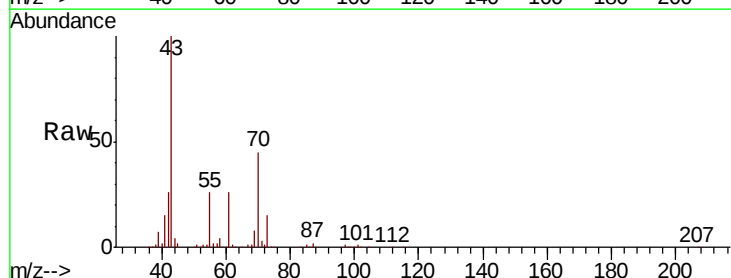
Ion Ratio Lower Upper

43 100

70 44.8 34.2 51.4

55 25.4 20.3 30.5

61 26.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.682 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

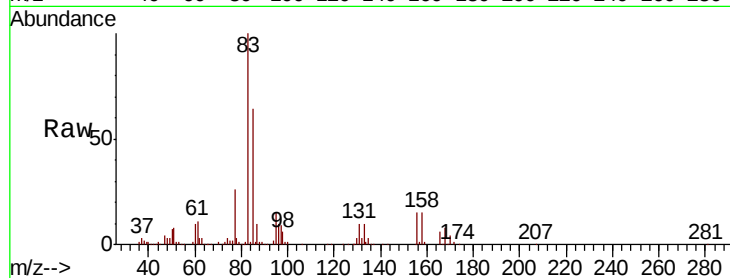
Tot Ion: 83 Resp: 218831

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053009.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053009.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053009.D (-3244) (-)

150000

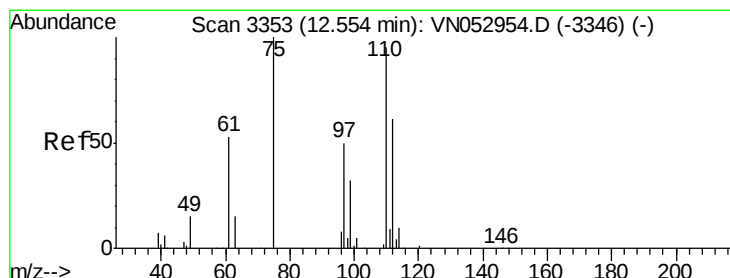
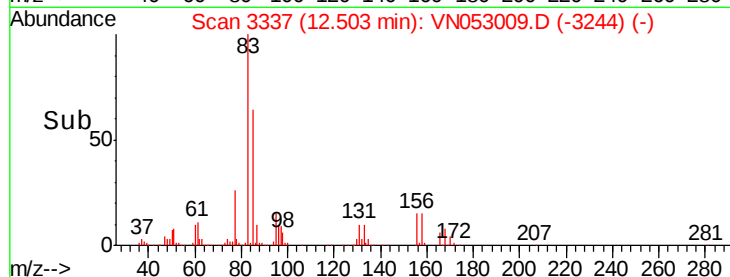
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.001 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053009.D

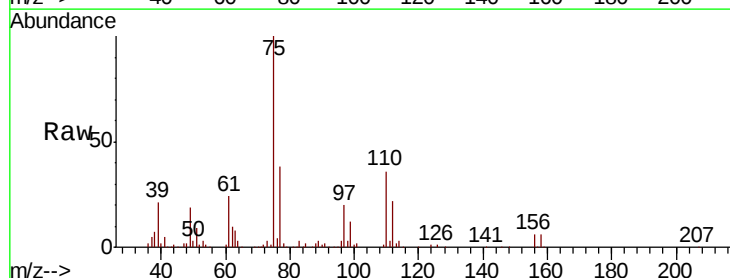
Acq: 19 Dec 2018 14:23

Tgt Ion: 75 Resp: 298873

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053009.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053009.D (-3260) (-)

300000

250000

200000

150000

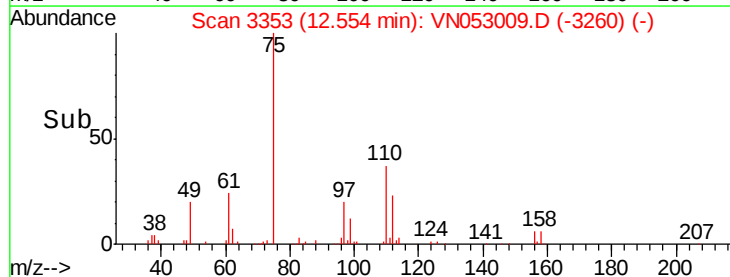
100000

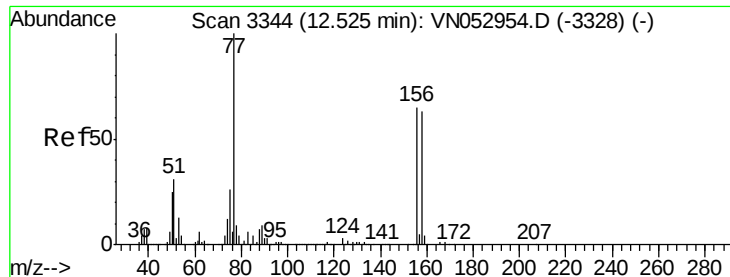
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.535 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

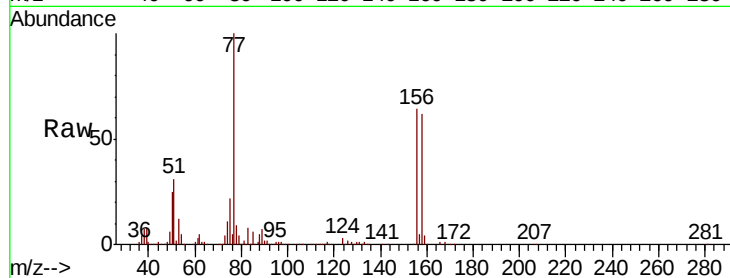
Tot Ion:156 Resp: 274613

Ion Ratio Lower Upper

156 100

77 178.2 91.3 273.8

158 96.3 49.0 147.2



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

300000

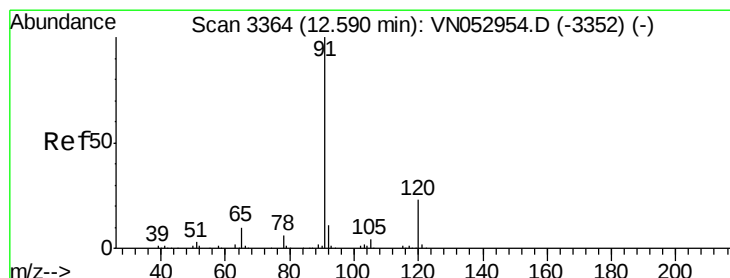
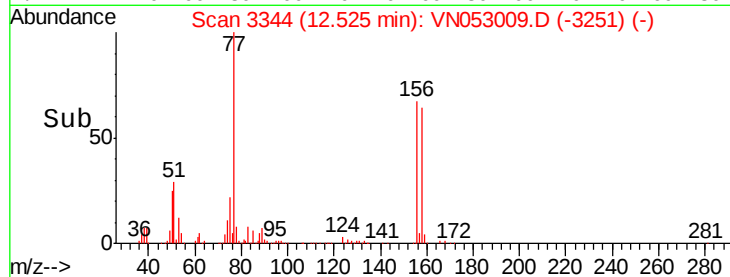
200000

100000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 20.086 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053009.D

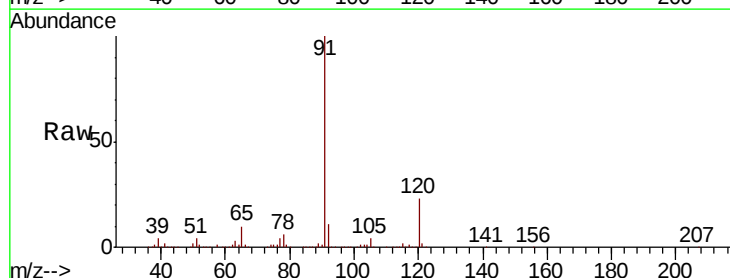
Acq: 19 Dec 2018 14:23

Tgt Ion: 91 Resp: 1176871

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

800000

600000

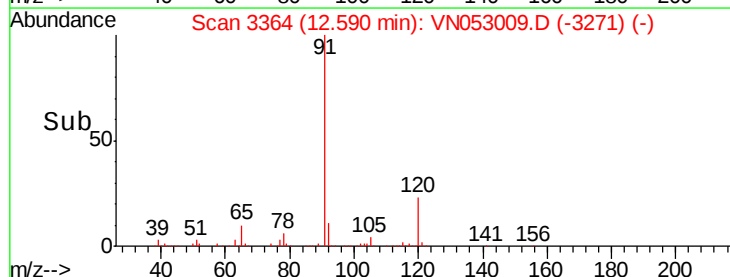
400000

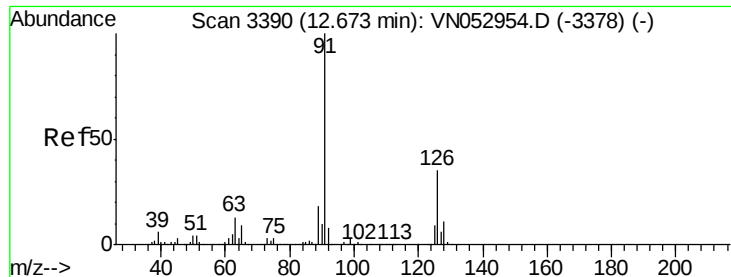
200000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 19.443 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

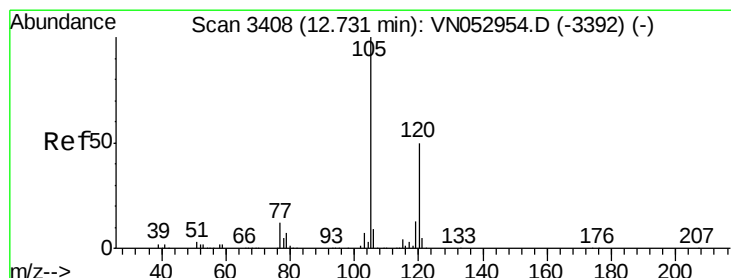
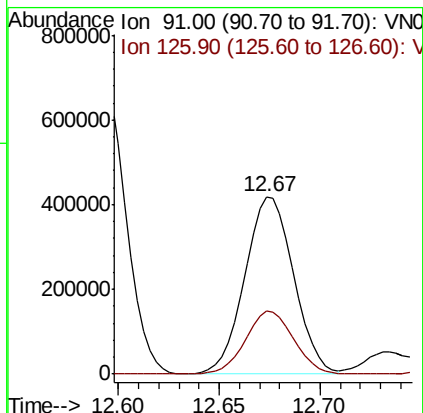
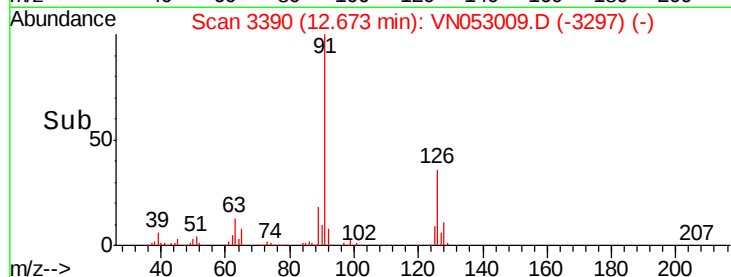
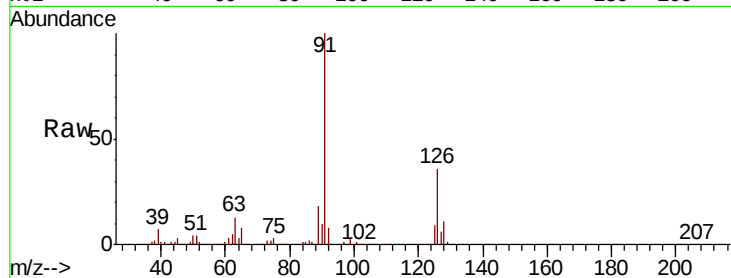
ClientSampleId :

Tot Ion: 91 Resp: 706139

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 19.996 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053009.D

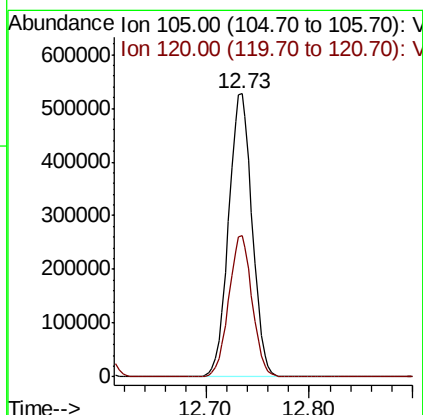
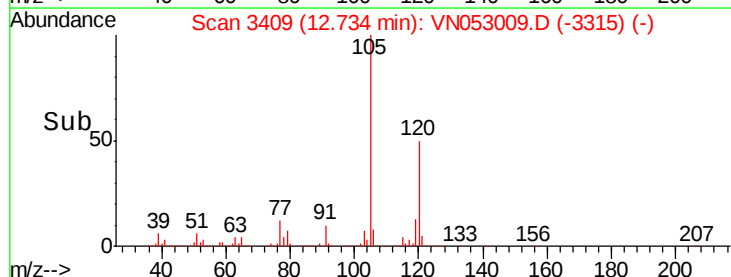
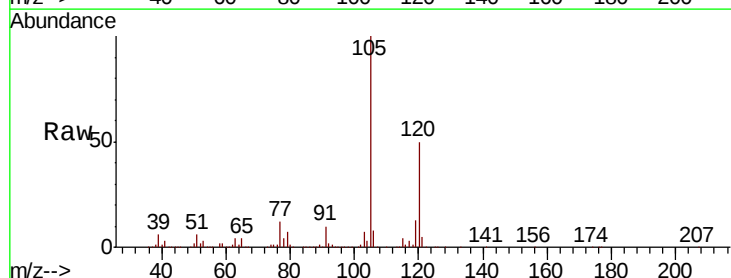
Acq: 19 Dec 2018 14:23

Tgt Ion: 105 Resp: 838487

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.256 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

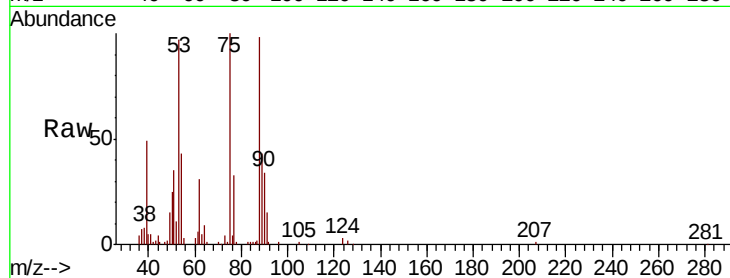
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 62695

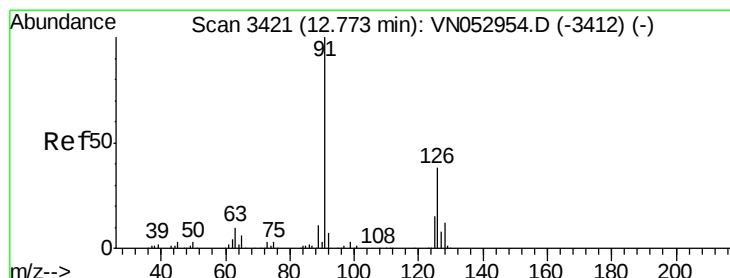
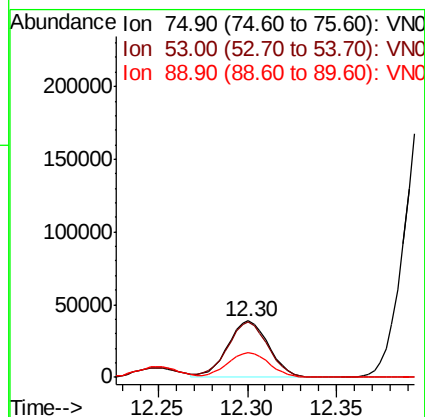
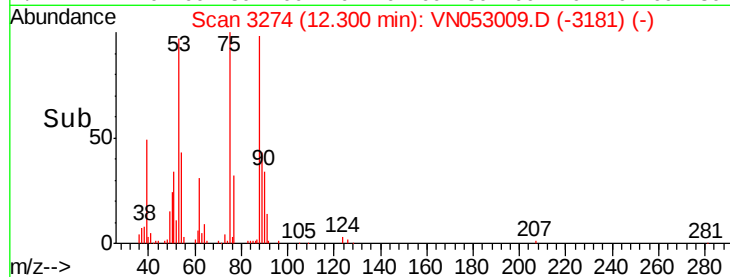
Ion	Ratio	Lower	Upper
75	100		
53	97.1	74.7	112.1
89	44.1	36.1	54.1



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: 19.817 ug/l

RT: 12.77 min Scan# 3421

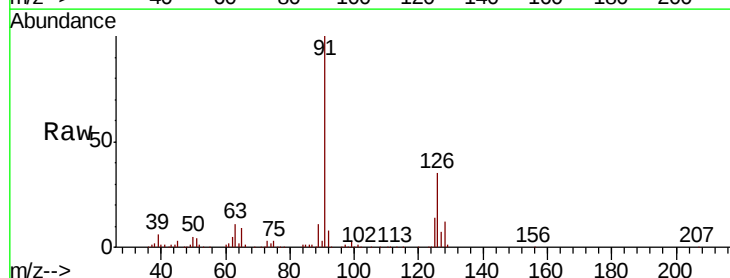
Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

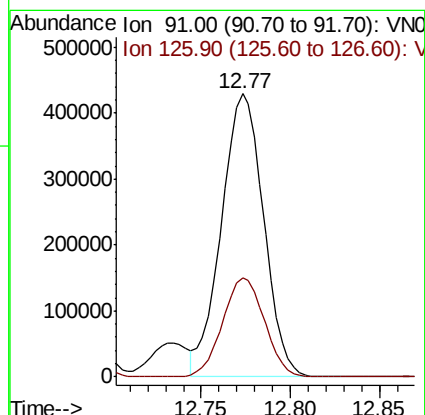
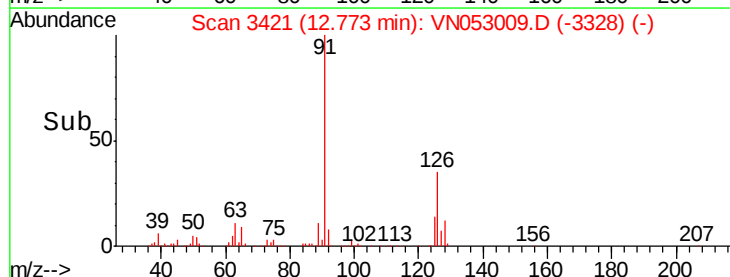
Tgt Ion: 91 Resp: 704537

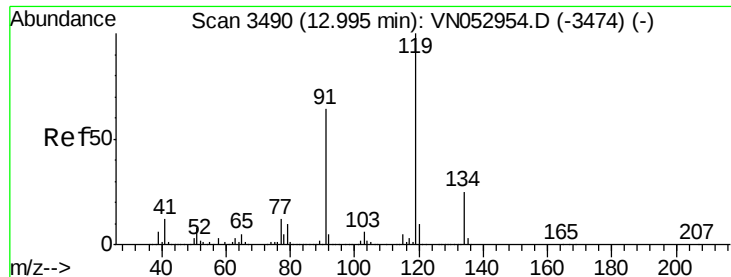
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.3	51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

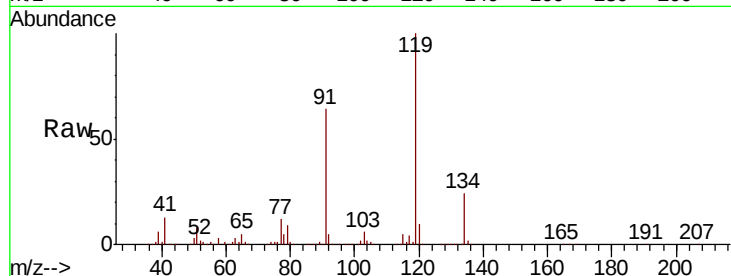




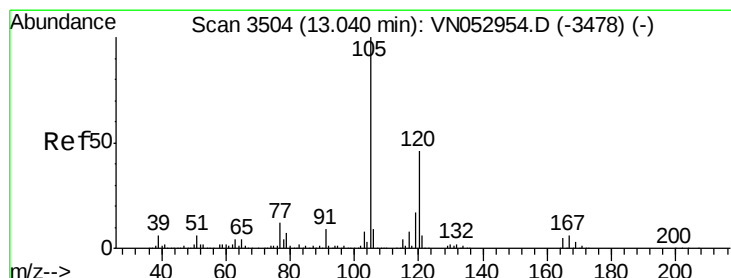
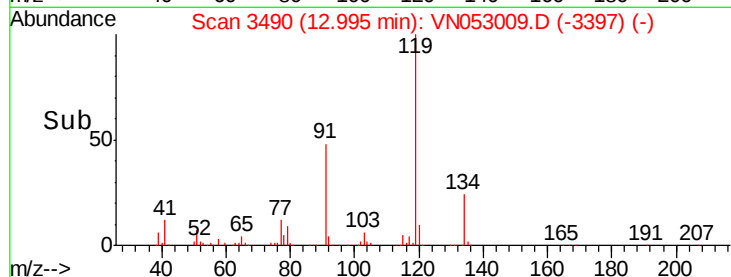
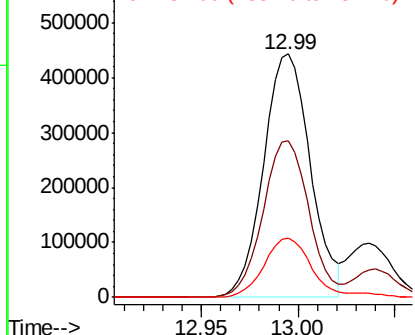
#83
tert-Butylbenzene
Concen: 20.120 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 746170
Ion Ratio Lower Upper
119 100
91 62.7 31.9 95.5
134 25.3 12.8 38.4

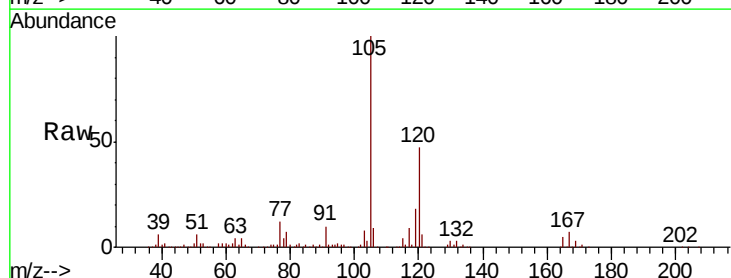


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

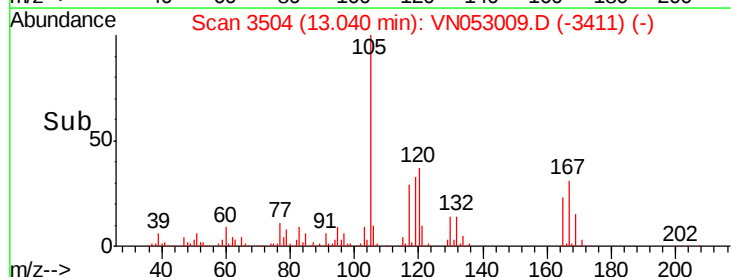
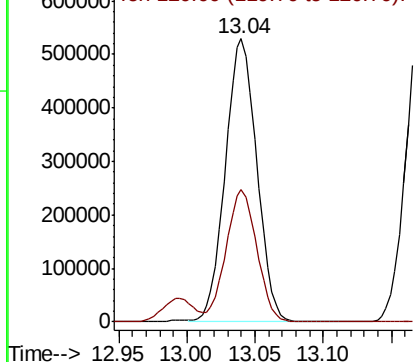


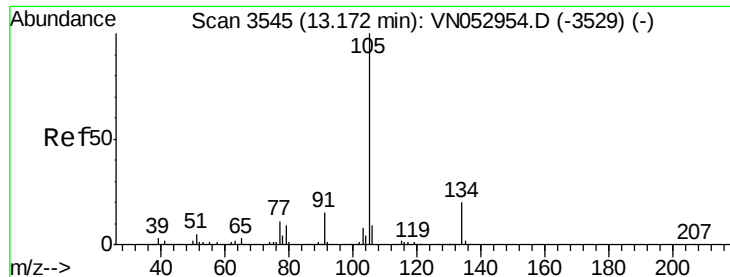
#84
1,2,4-Trimethylbenzene
Concen: 20.122 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053009.D
Acq: 19 Dec 2018 14:23

Tgt Ion:105 Resp: 848222
Ion Ratio Lower Upper
105 100
120 46.0 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 19.377 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

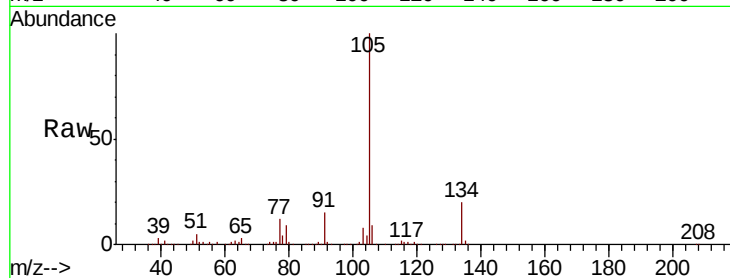
ClientSampled :

Tot Ion:105 Resp: 971981

Ion Ratio Lower Upper

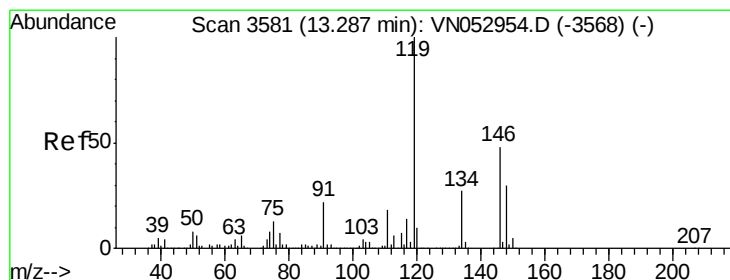
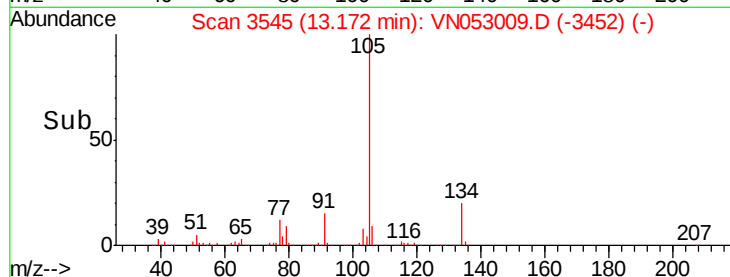
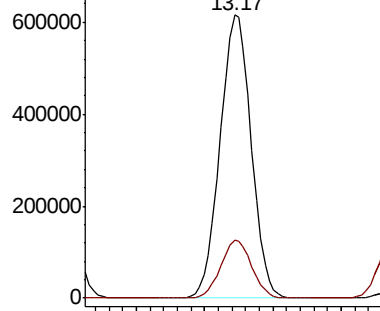
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.434 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

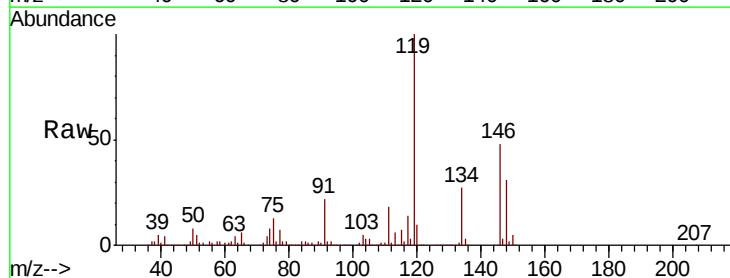
Tgt Ion:119 Resp: 842359

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

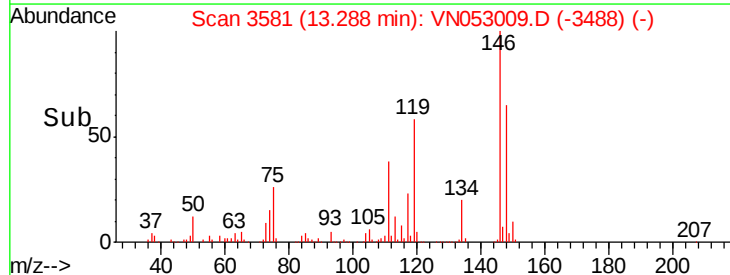
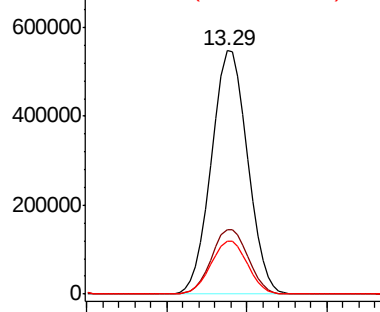
91 21.9 11.1 33.3

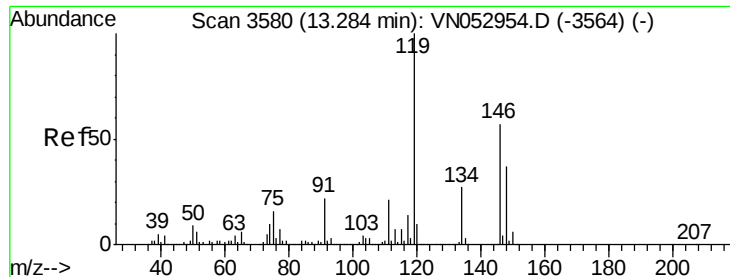


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

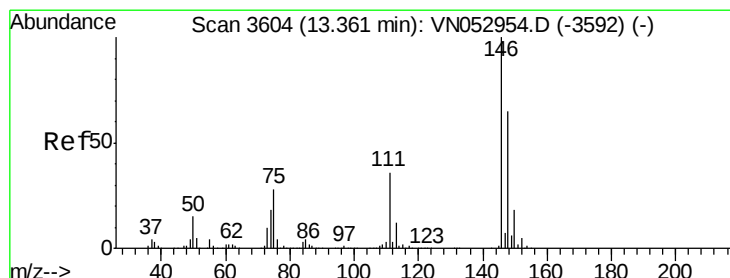
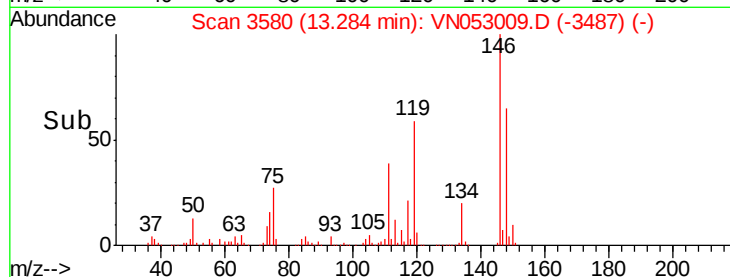
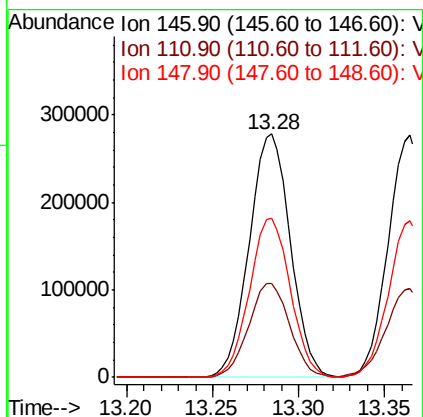
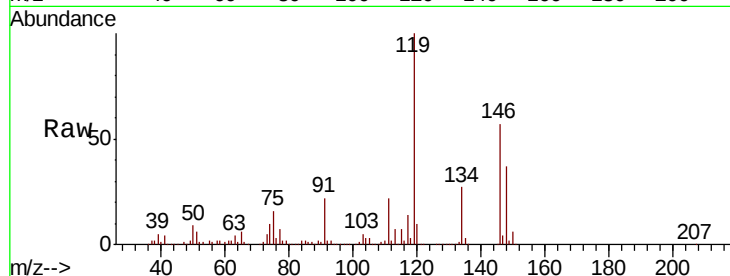




#87
 1,3-Dichlorobenzene
 Concen: 19.541 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

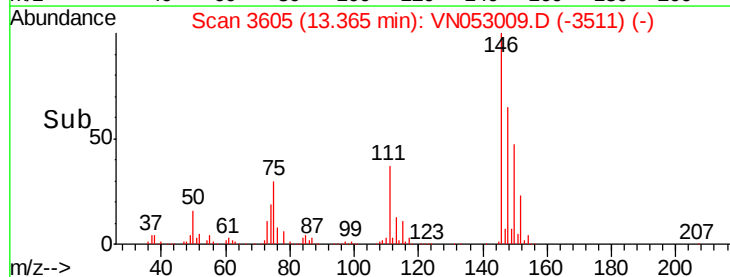
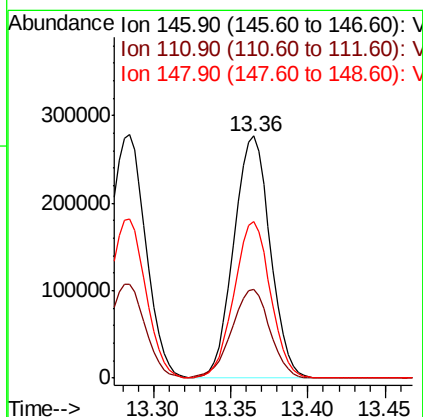
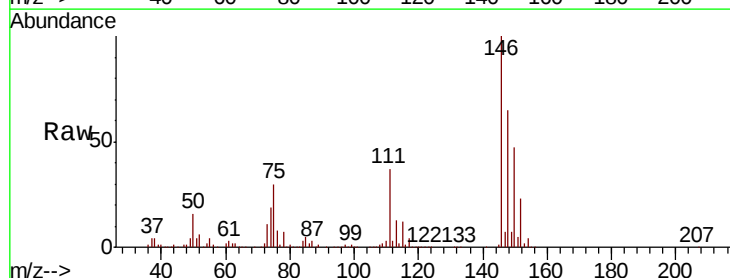
Instrument :
 MSVOA_N
 ClientSampled :

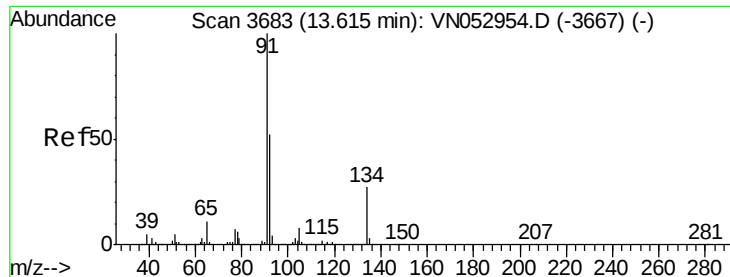
Tot Ion:146 Resp: 462508
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.1
 148 64.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 18.847 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053009.D
 Acq: 19 Dec 2018 14:23

Tgt Ion:146 Resp: 451734
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 55.8
 148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 17.972 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampled :

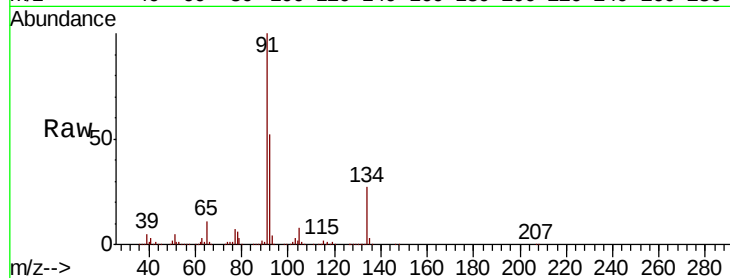
Tot Ion: 91 Resp: 670167

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	26.9	13.3	39.8

91 100

92 52.1 26.3 78.9

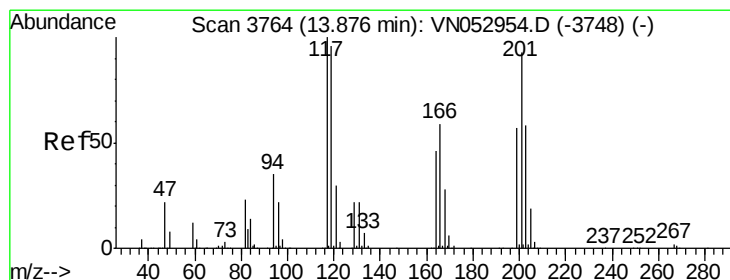
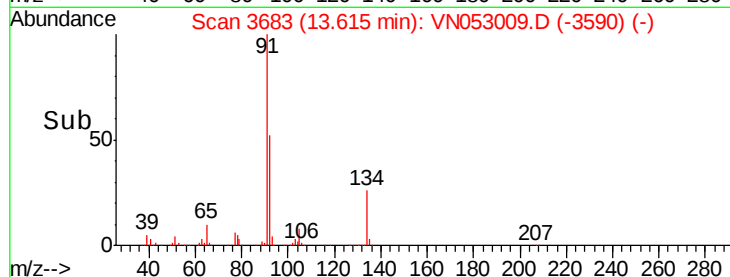
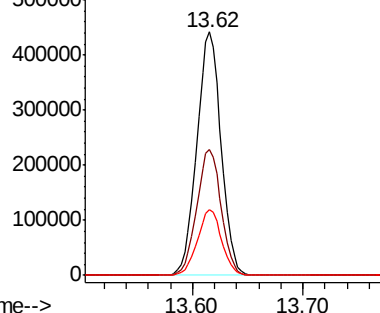
134 26.9 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 17.775 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053009.D

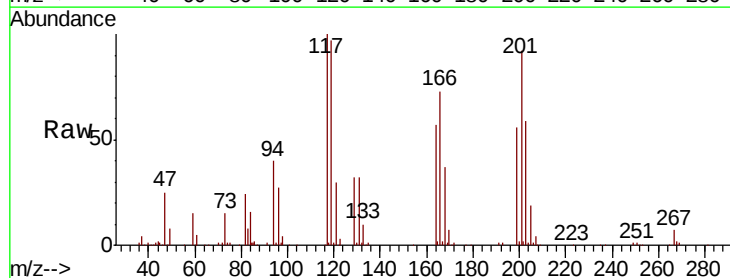
Acq: 19 Dec 2018 14:23

Tgt Ion: 117 Resp: 118233

Ion	Ratio	Lower	Upper
117	100		
201	93.0	45.7	137.1

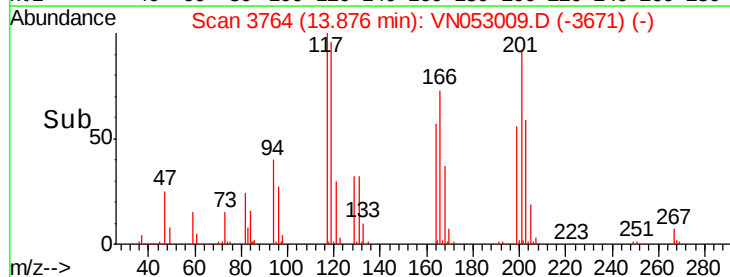
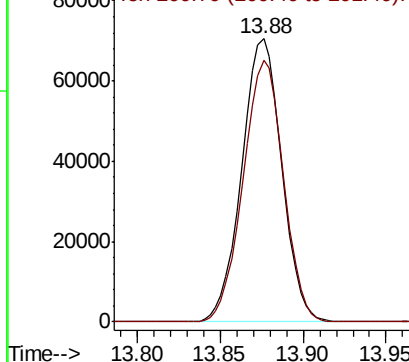
117 100

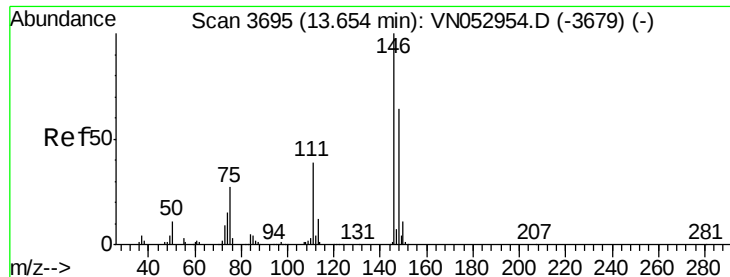
201 93.0 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 19.646 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

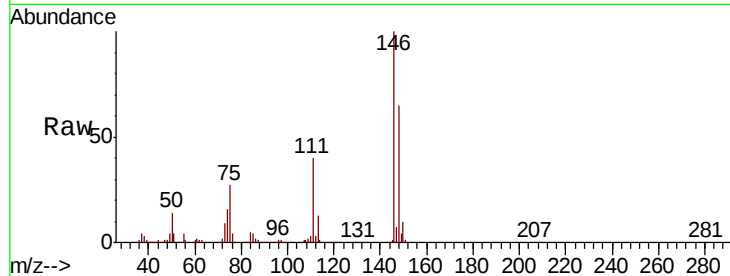
Tot Ion:146 Resp: 437630

Ion Ratio Lower Upper

146 100

111 39.7 19.7 59.0

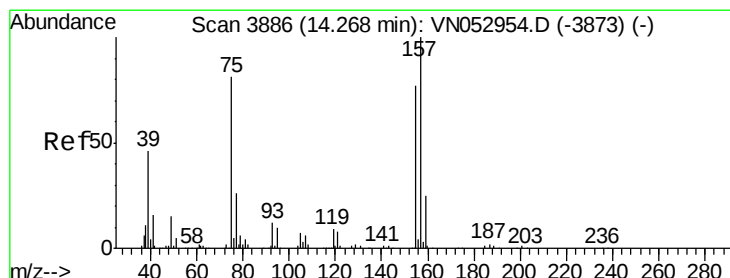
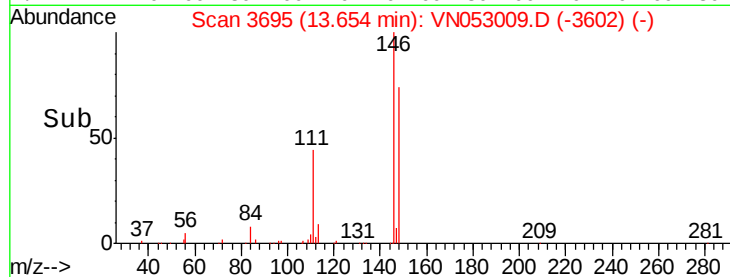
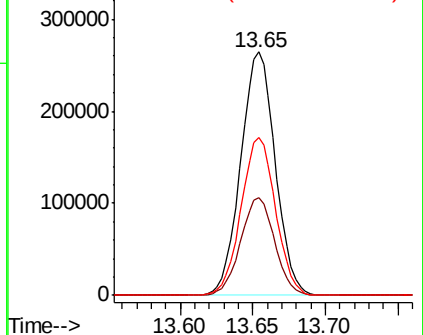
148 64.8 32.0 96.0



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: 19.277 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

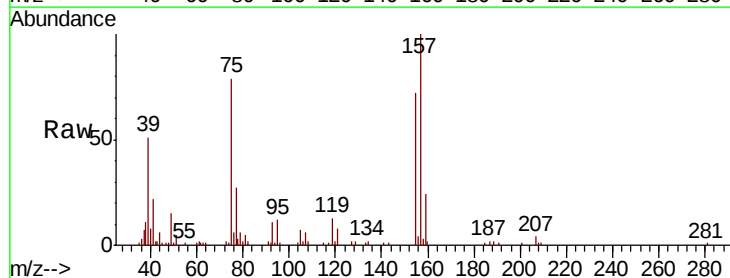
Tgt Ion: 75 Resp: 33641

Ion Ratio Lower Upper

75 100

155 93.6 48.2 144.6

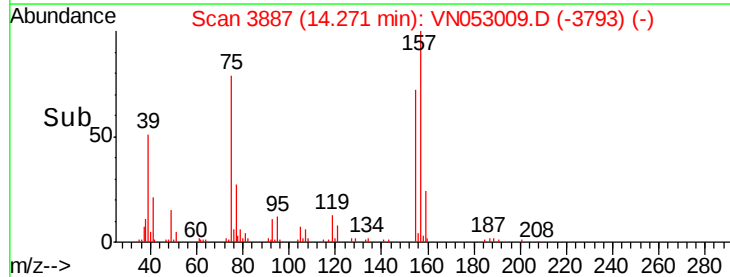
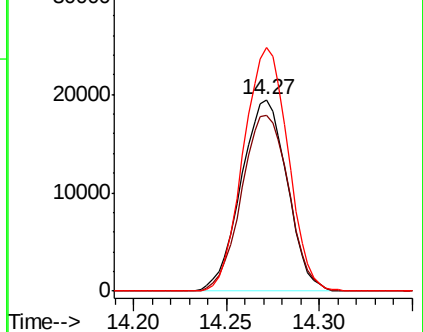
157 123.2 61.2 183.5



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: 18.450 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

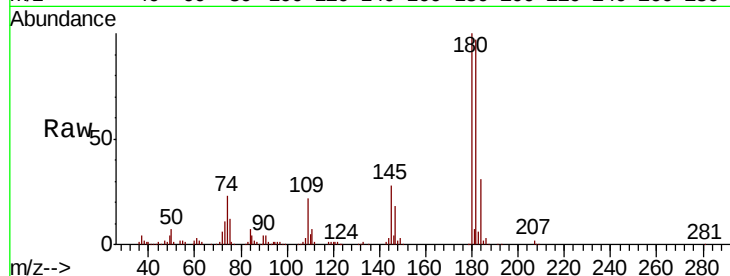
Tot Ion:180 Resp: 213249

Ion Ratio Lower Upper

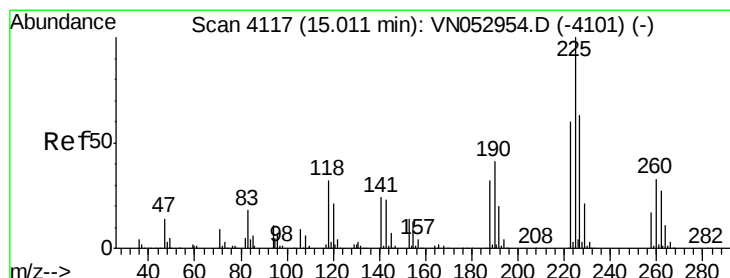
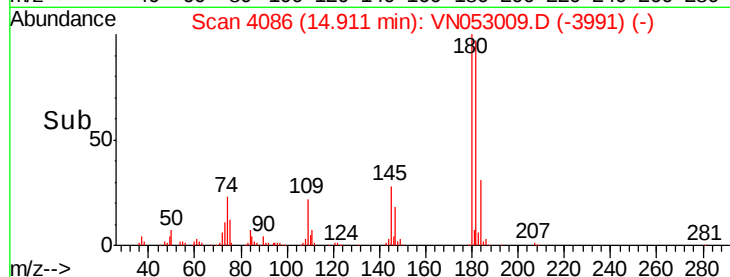
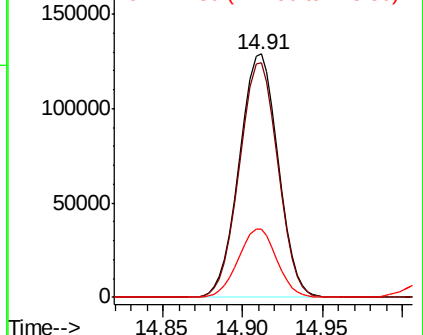
180 100

182 95.8 47.8 143.3

145 27.9 14.2 42.6



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: 18.979 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

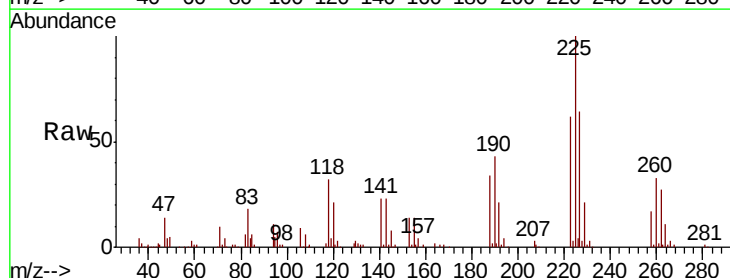
Tgt Ion:225 Resp: 126861

Ion Ratio Lower Upper

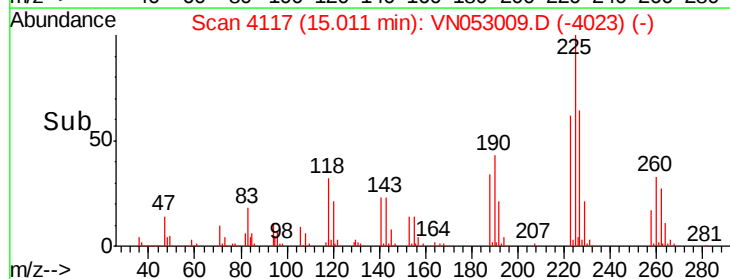
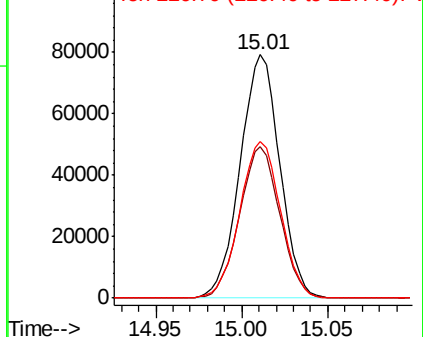
225 100

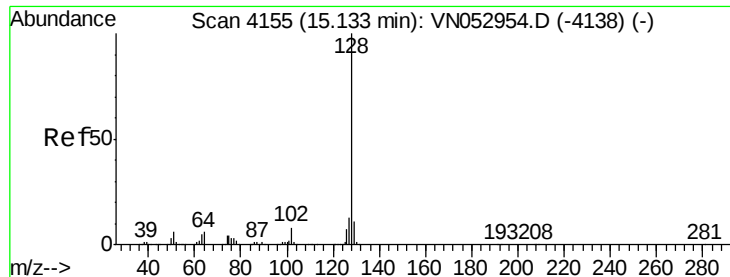
223 63.3 31.5 94.5

227 66.3 31.9 95.7



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: 18.741 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

Instrument :

MSVOA_N

ClientSampleId :

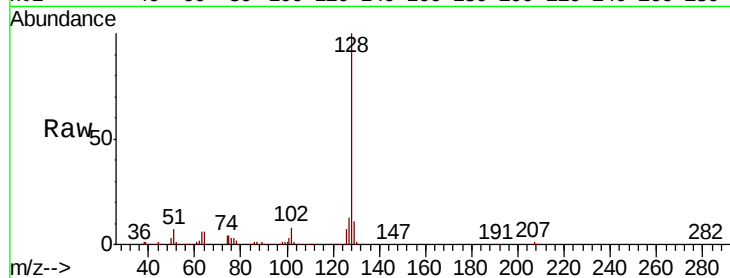
Tot Ion:128 Resp: 465526

Ion Ratio Lower Upper

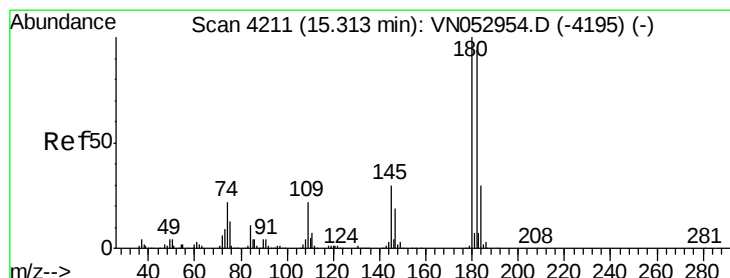
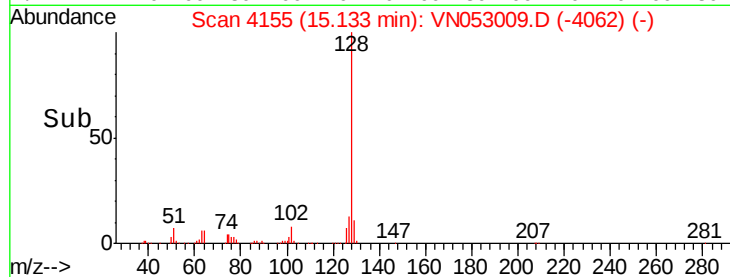
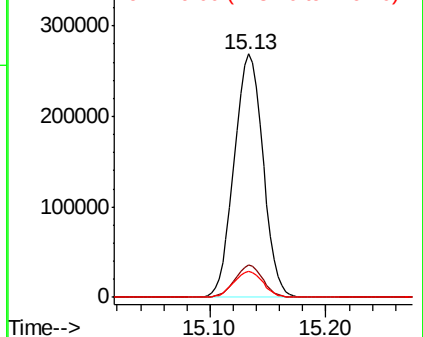
128 100

127 12.8 10.2 15.4

129 10.7 8.6 13.0



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: 18.804 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053009.D

Acq: 19 Dec 2018 14:23

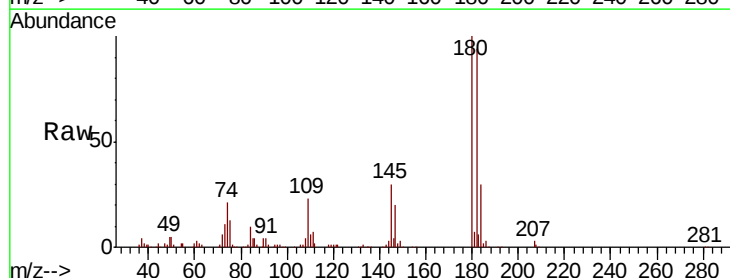
Tgt Ion:180 Resp: 196444

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 30.4 15.0 45.0



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

