

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN052997.D
 Acq On : 19 Dec 2018 8:55
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 05:12:50 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	7.66	168	1156549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1702873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1533316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	727310	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	590402	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	452087	58.12	ug/l	0.00
Spiked Amount			Recovery	=	116.24%	
50) Toluene-d8	10.09	98	2209201	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.40	95	775052	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	564076	48.190	ug/l	99
3) Chloromethane	2.06	50	674685	47.566	ug/l	100
4) Vinyl Chloride	2.19	62	689881	48.024	ug/l	100
5) Bromomethane	2.57	94	455640	45.780	ug/l	100
6) Chloroethane	2.71	64	404534	47.548	ug/l	98
7) Trichlorofluoromethane	3.02	101	862522	48.198	ug/l	98
8) Diethyl Ether	3.41	74	324707	48.096	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	557579	48.867	ug/l	98
10) Methyl Iodide	3.96	142	789477	49.270	ug/l	100
11) Tert butyl alcohol	4.77	59	171969	240.136	ug/l	100
12) 1,1-Dichloroethene	3.74	96	523240	47.466	ug/l	99
13) Acrolein	3.61	56	229576	353.550	ug/l	100
14) Allyl chloride	4.33	41	818597	47.941	ug/l	98
15) Acrylonitrile	4.98	53	934975	235.009	ug/l	99
16) Acetone	3.81	43	515241	223.900	ug/l	97
17) Carbon Disulfide	4.06	76	1573574	43.771	ug/l	99
18) Methyl Acetate	4.32	43	475654	45.629	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1431111	48.513	ug/l	98
20) Methylene Chloride	4.55	84	596875	47.549	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	564117	47.630	ug/l	98
22) Diisopropyl ether	5.95	45	1797242	49.311	ug/l	98
23) Vinyl Acetate	5.89	43	5193849	247.822	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1038436	47.948	ug/l	99
25) 2-Butanone	6.83	43	949036	245.737	ug/l	98
26) 2,2-Dichloropropane	6.82	77	810189	49.005	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	643381	47.983	ug/l	100
28) Bromochloromethane	7.19	49	460094	49.026	ug/l	95
29) Tetrahydrofuran	7.21	42	690116	239.257	ug/l	97
30) Chloroform	7.37	83	1022204	48.046	ug/l	100
31) Cyclohexane	7.65	56	1010520	49.744	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	864305	47.689	ug/l	100
36) 1,1-Dichloropropene	7.79	75	814745	49.848	ug/l	100
37) Ethyl Acetate	6.93	43	469947	51.505	ug/l	99
38) Carbon Tetrachloride	7.77	117	751351	50.152	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1022125	51.478	ug/l	98
40) Benzene	8.04	78	2436387	50.114	ug/l	99
41) Methacrylonitrile	7.17	41	267047	50.654	ug/l	97
42) 1,2-Dichloroethane	8.12	62	710495	49.470	ug/l	99
43) Isopropyl Acetate	8.16	43	883959	50.063	ug/l	98
44) Trichloroethene	8.84	130	697407	49.596	ug/l	96
45) 1,2-Dichloropropane	9.12	63	639631	50.511	ug/l	100
46) Dibromomethane	9.21	93	366387	49.667	ug/l	98
47) Bromodichloromethane	9.40	83	780647	49.783	ug/l	100
48) Methyl methacrylate	9.20	41	447006	50.486	ug/l	99
49) 1,4-Dioxane	9.20	88	107766	962.200	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2277063	257.696	ug/l	99
52) Toluene	10.16	92	1536127	50.976	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	830307	50.355	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	963496	50.907	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	524174	49.860	ug/l	100
56) Ethyl methacrylate	10.43	69	719093	51.679	ug/l	97
57) 1,3-Dichloropropane	10.71	76	912490	50.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1968420	257.676	ug/l	99
59) 2-Hexanone	10.75	43	1579291	264.164	ug/l	100
60) Dibromochloromethane	10.90	129	601595	49.992	ug/l	100
61) 1,2-Dibromoethane	11.01	107	538499	50.436	ug/l	99
64) Tetrachloroethene	10.63	164	809163	48.718	ug/l	99
65) Chlorobenzene	11.43	112	1702028	50.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	592757	50.150	ug/l	100
67) Ethyl Benzene	11.51	91	2961716	50.669	ug/l	100
68) m/p-Xylenes	11.62	106	2251567	101.325	ug/l	100
69) o-Xylene	11.95	106	1088061	51.027	ug/l	100
70) Styrene	11.96	104	1795782	51.648	ug/l	100
71) Bromoform	12.13	173	417082	48.846	ug/l #	100
73) Isopropylbenzene	12.25	105	2905756	51.063	ug/l	100
74) N-amyl acetate	12.07	43	809790	51.256	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	571277	51.171	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	819801	66.958	ug/l #	100
77) Bromobenzene	12.53	156	741707	50.142	ug/l	97
78) n-propylbenzene	12.59	91	3341423	51.557	ug/l	100
79) 2-Chlorotoluene	12.68	91	1932805	48.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2340180	50.453	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	192791	50.752	ug/l	96
82) 4-Chlorotoluene	12.77	91	1988502	50.566	ug/l	100
83) tert-Butylbenzene	12.99	119	2046351	49.885	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2360893	50.633	ug/l	100
85) sec-Butylbenzene	13.17	105	2789772	50.279	ug/l	100
86) p-Isopropyltoluene	13.29	119	2420289	50.481	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1292787	49.380	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1289749	48.647	ug/l	100
89) n-Butylbenzene	13.62	91	2052248	49.755	ug/l	100
90) Hexachloroethane	13.88	117	370268	50.326	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1214028	49.271	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88214	45.699	ug/l	97

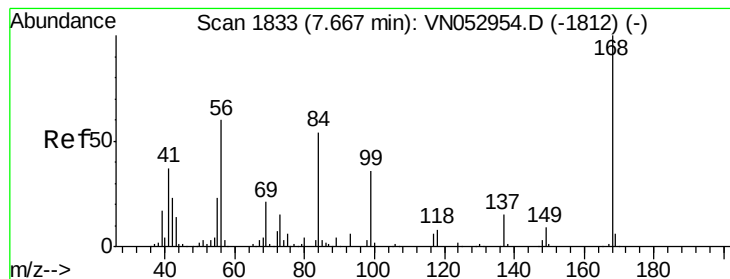
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	627556	48.096	ug/l	99
94) Hexachlorobutadiene	15.01	225	372179	55.372	ug/l	100
95) Naphthalene	15.13	128	1286845	45.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	551810	46.972	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

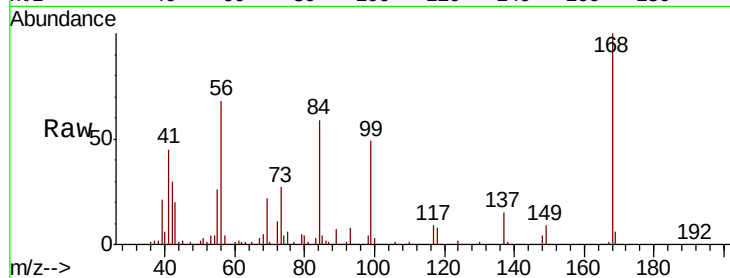
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1156549

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

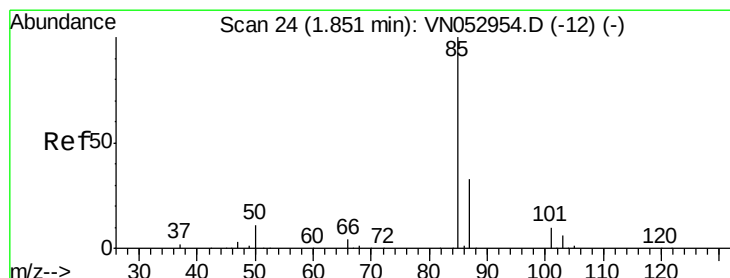
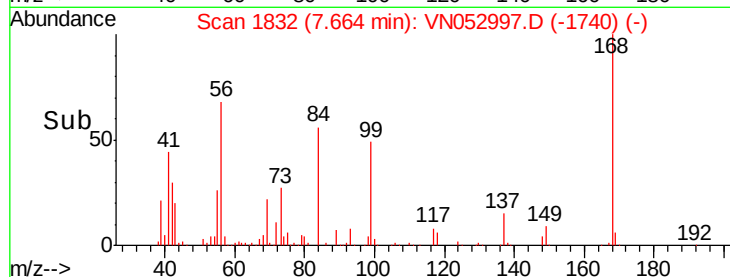
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.190 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052997.D

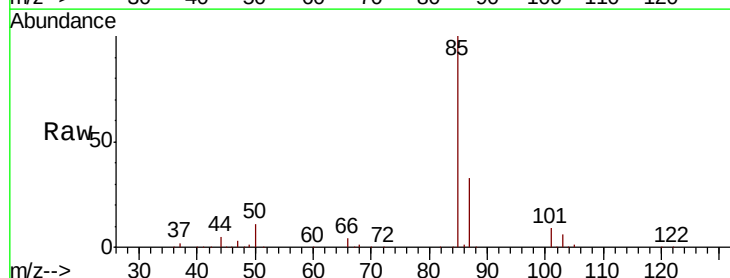
Acq: 19 Dec 2018 8:55

Tgt Ion: 85 Resp: 564076

Ion Ratio Lower Upper

85 100

87 32.9 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

400000

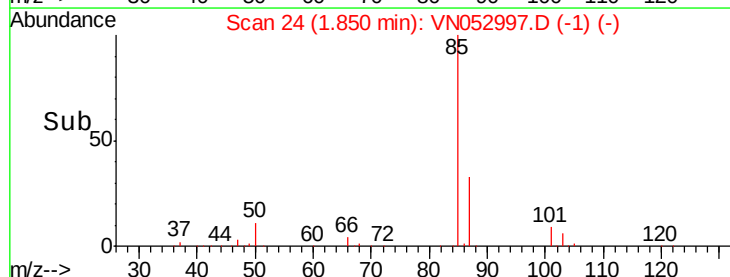
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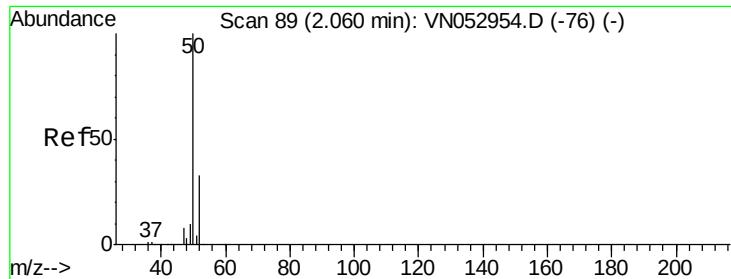
200000

100000

0

Time-->





#3

Chloromethane

Concen: 47.566 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

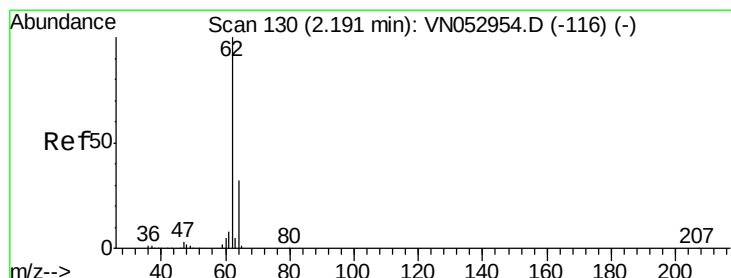
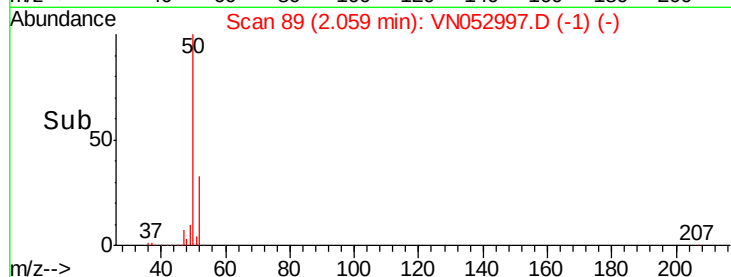
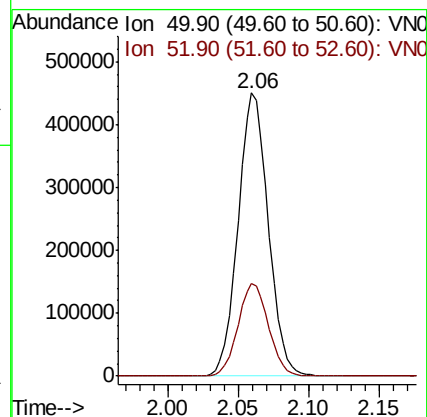
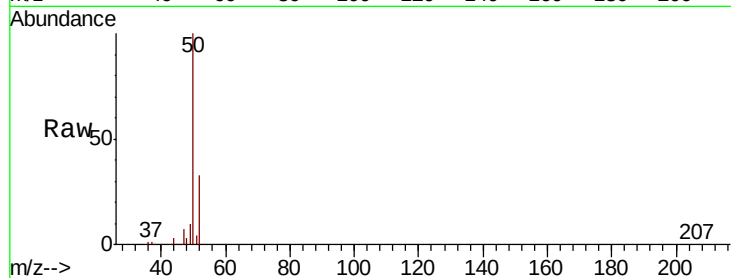
ClientSampled :

Tot Ion: 50 Resp: 674685

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 48.024 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052997.D

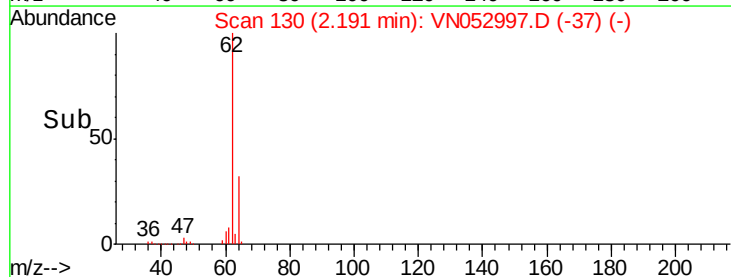
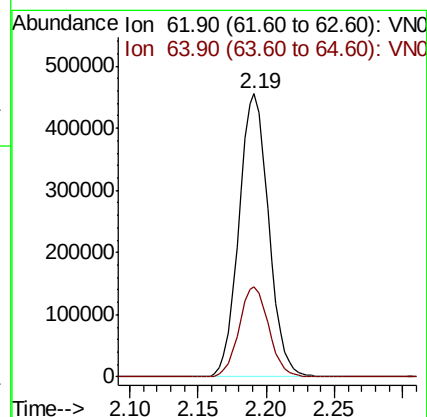
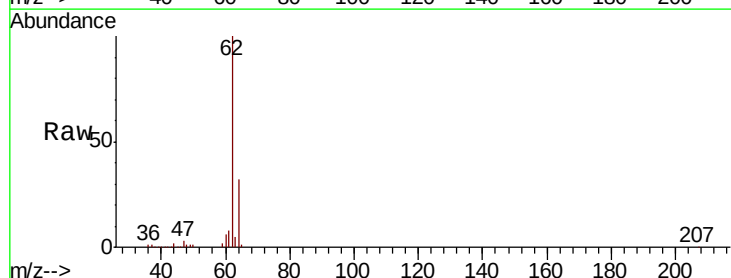
Acq: 19 Dec 2018 8:55

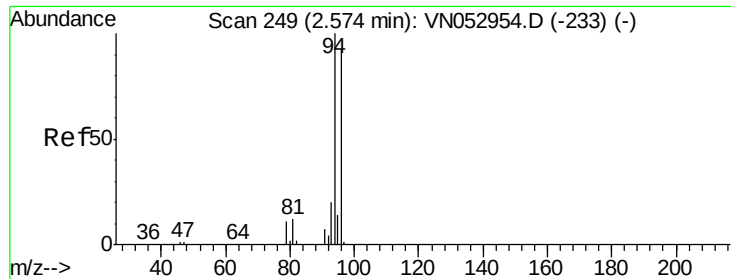
Tgt Ion: 62 Resp: 689881

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 45.780 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

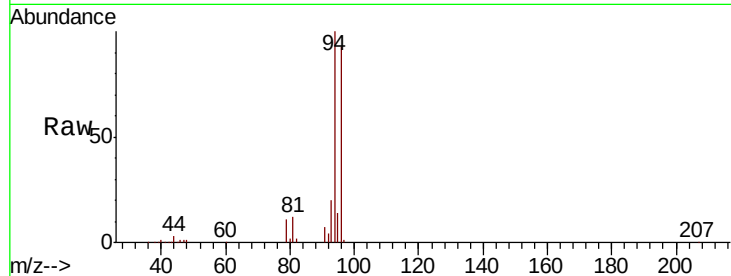
ClientSampled :

Tot Ion: 94 Resp: 455640

Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

250000

200000

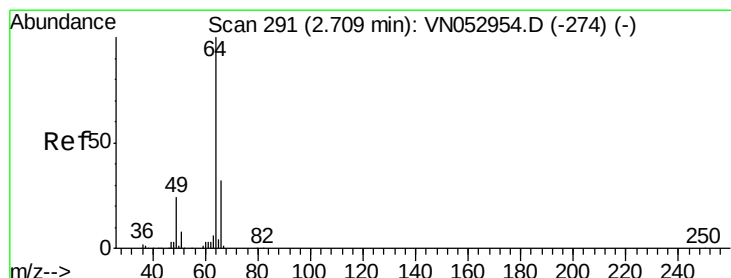
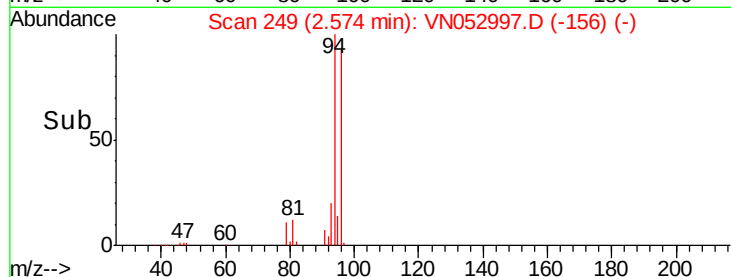
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.548 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052997.D

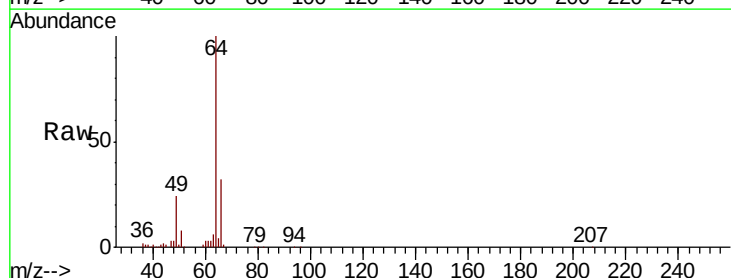
Acq: 19 Dec 2018 8:55

Tgt Ion: 64 Resp: 404534

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

200000

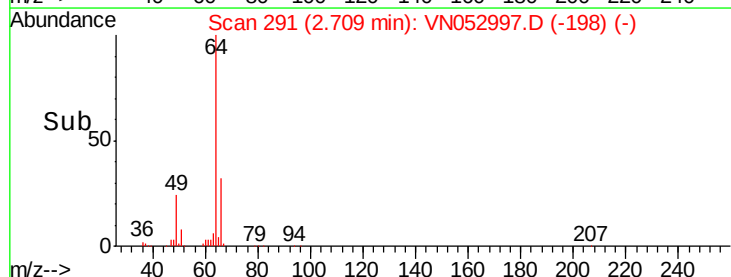
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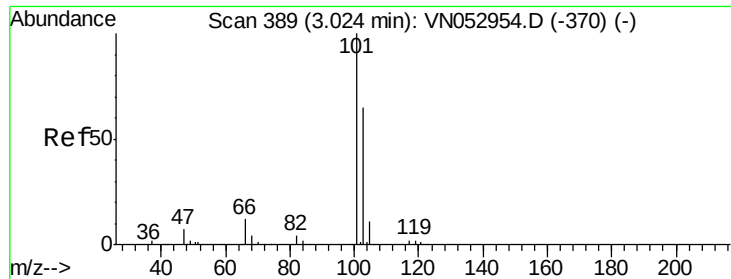
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50000

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Time-->



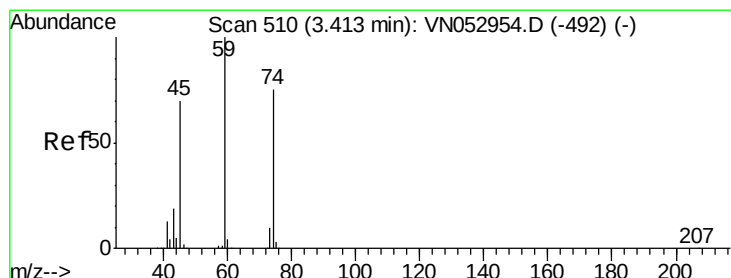
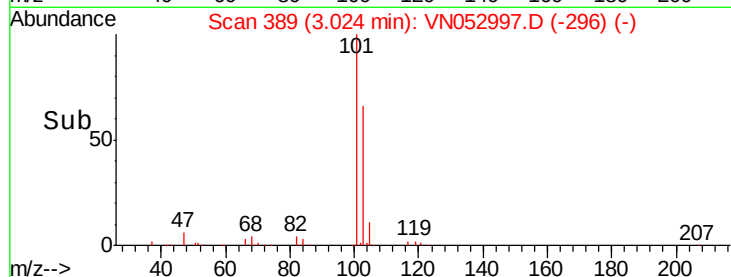
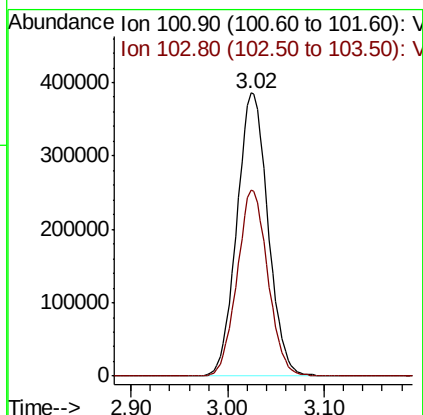
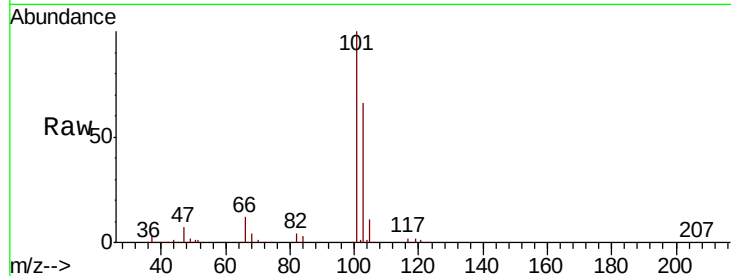


#7

Trichlorofluoromethane
 Concen: 48.198 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :

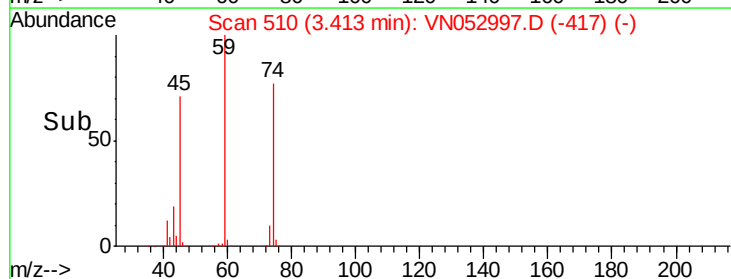
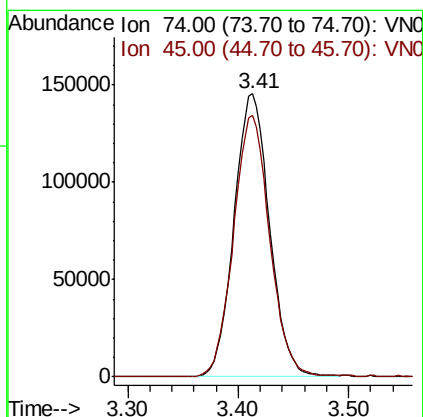
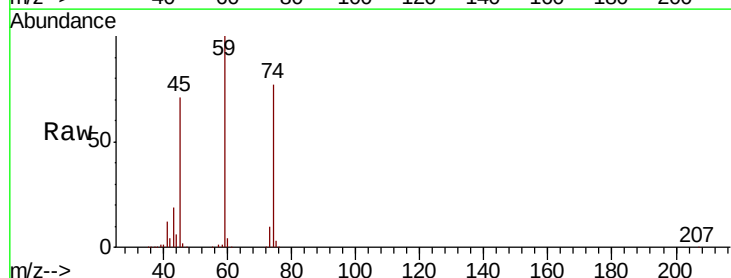
Tot Ion:101 Resp: 862522
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.8 77.6

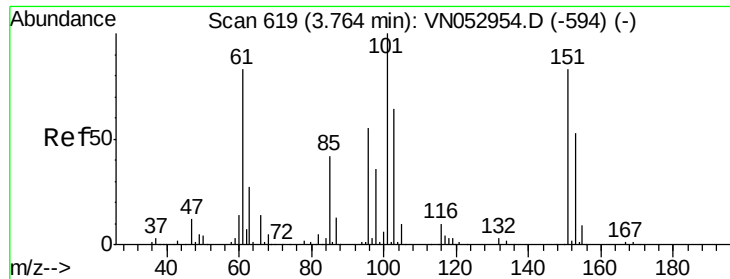


#8

Diethyl Ether
 Concen: 48.096 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 74 Resp: 324707
 Ion Ratio Lower Upper
 74 100
 45 93.8 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.867 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

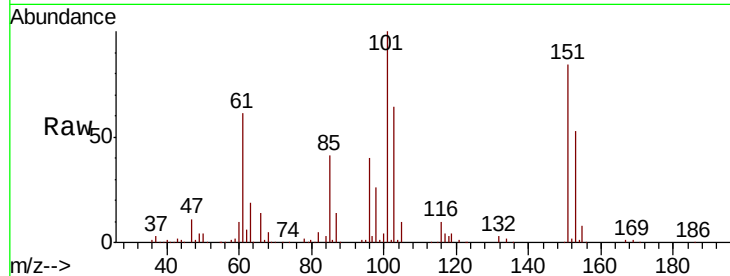
Tot Ion:101 Resp: 557579

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

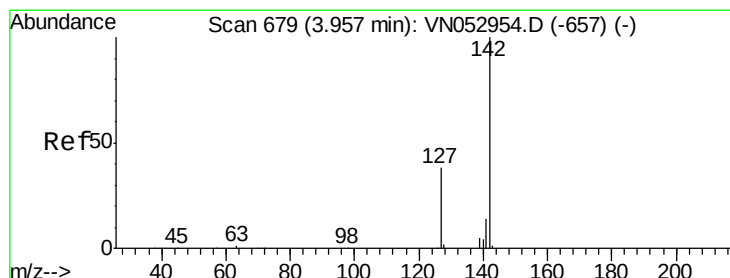
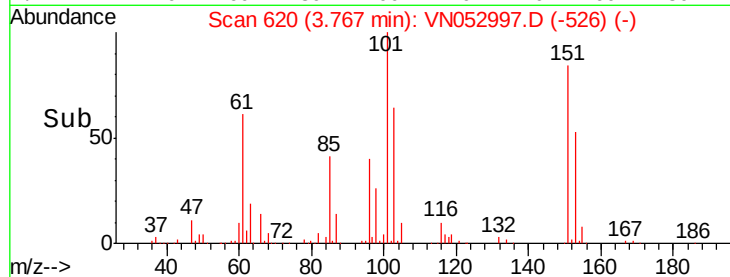
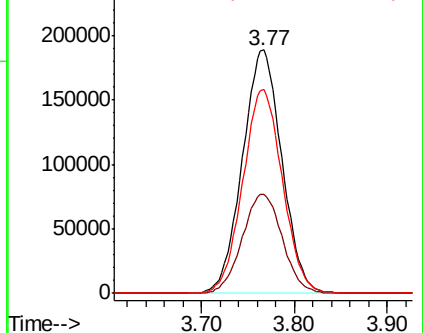
151 84.3 65.5 98.3



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: 49.270 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

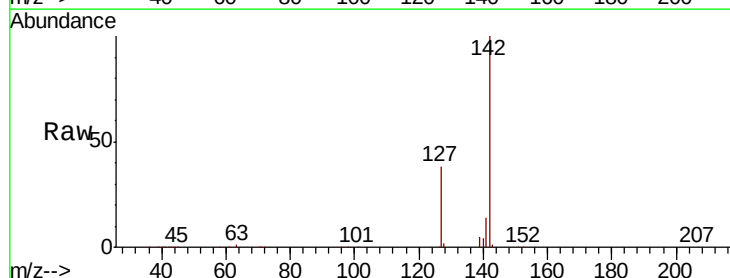
Tgt Ion:142 Resp: 789477

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.6

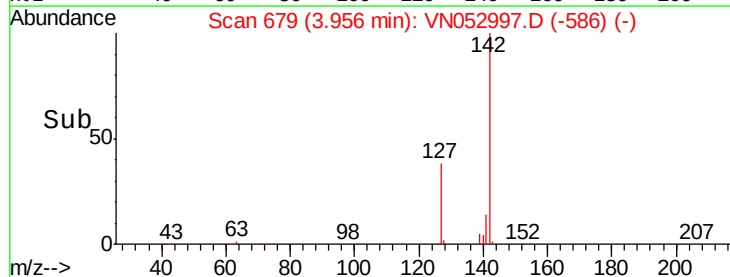
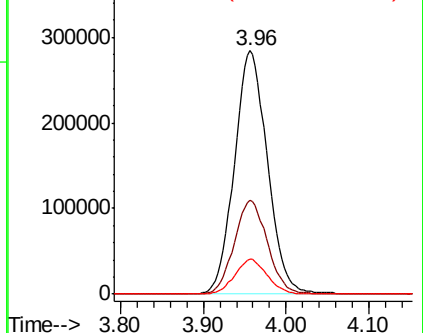
141 14.0 11.2 16.8

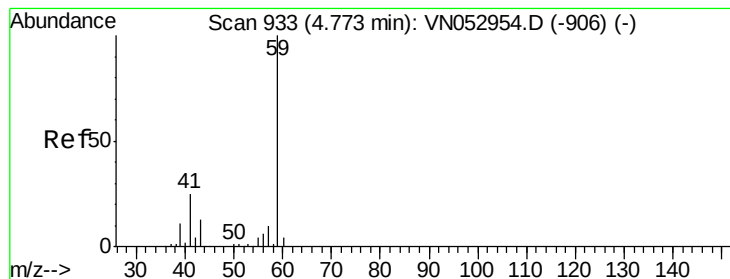


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



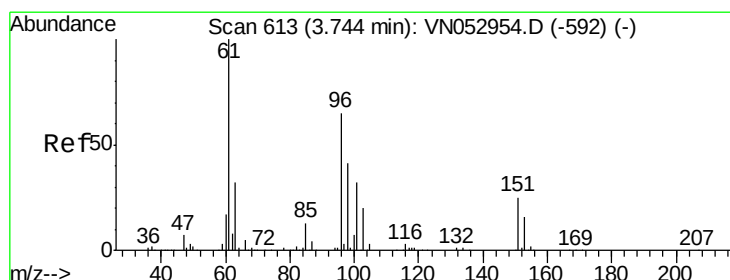
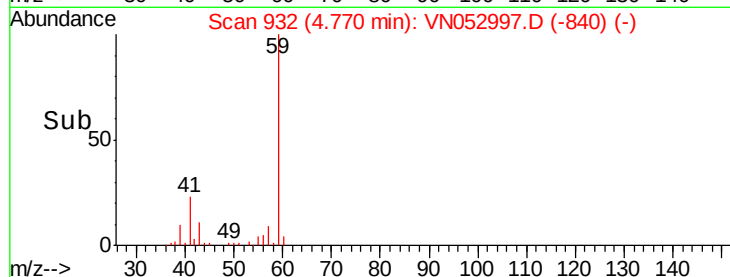
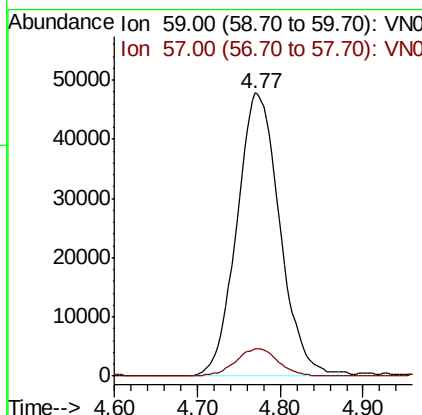
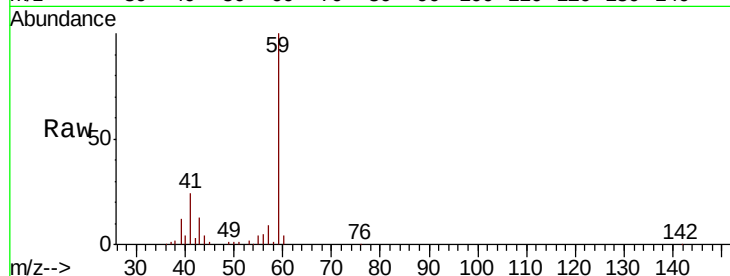


#11

Tert butyl alcohol
 Concen: 240.136 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampled :

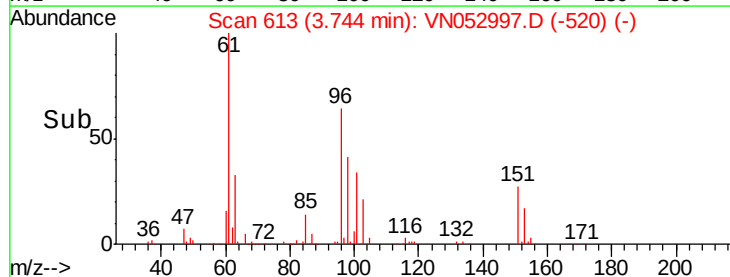
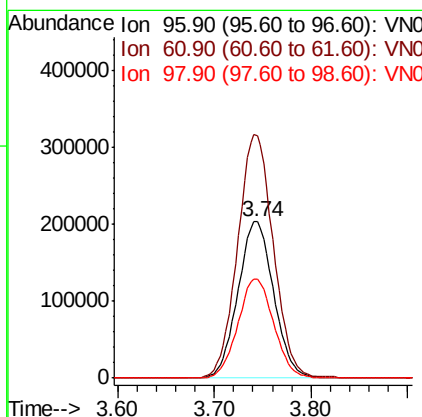
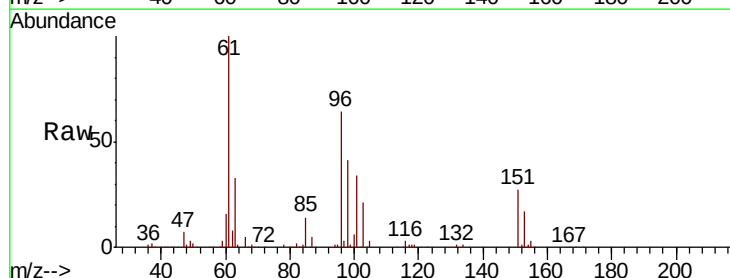
Tot Ion: 59 Resp: 171969
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.7 11.5

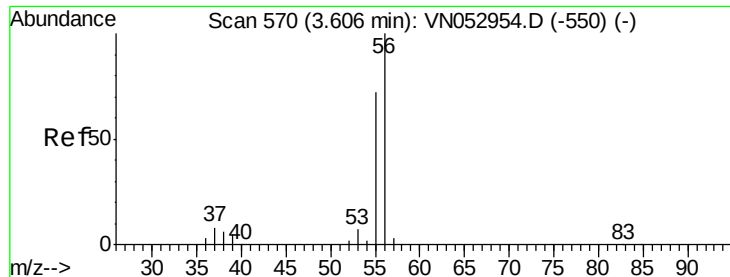


#12

1,1-Dichloroethene
 Concen: 47.466 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 96 Resp: 523240
 Ion Ratio Lower Upper
 96 100
 61 155.2 125.6 188.4
 98 63.2 50.6 75.8





#13

Acrolein

Concen: 353.550 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

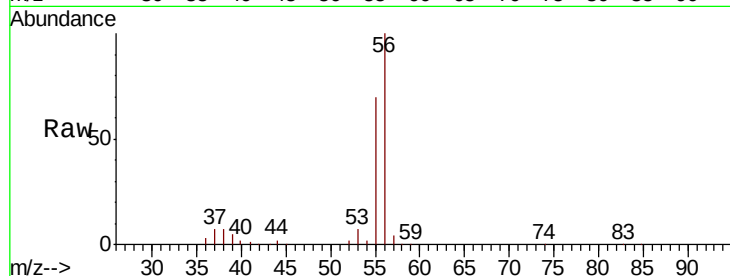
ClientSampled :

Tot Ion: 56 Resp: 229576

Ion Ratio Lower Upper

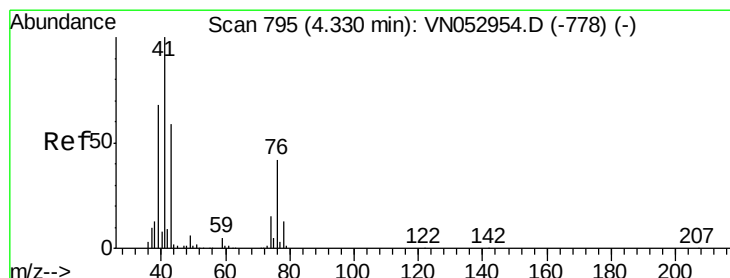
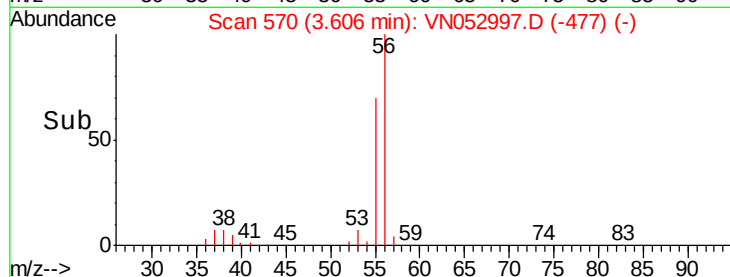
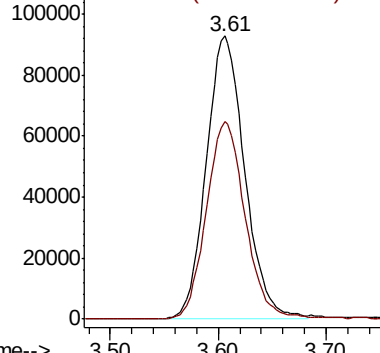
56 100

55 70.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.941 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

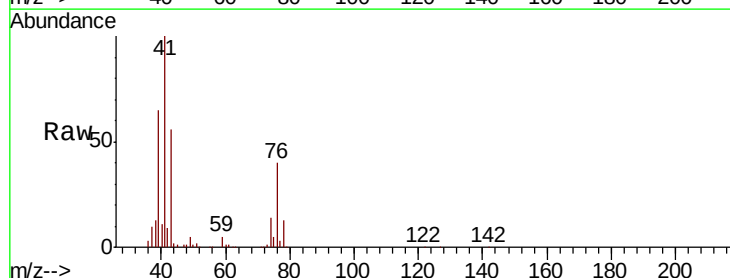
Tgt Ion: 41 Resp: 818597

Ion Ratio Lower Upper

41 100

39 66.5 54.1 81.1

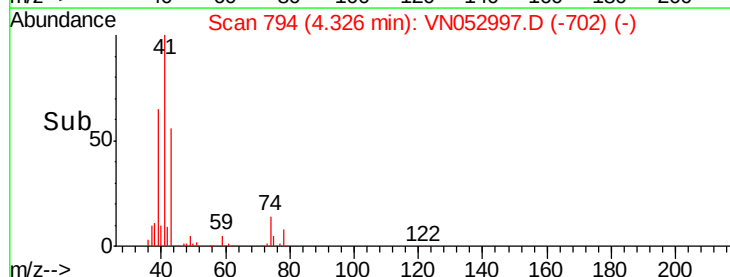
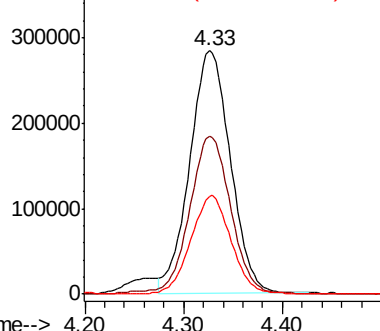
76 39.3 30.3 45.5

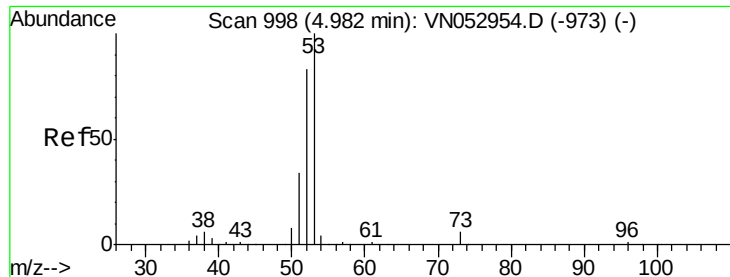


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 235.009 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

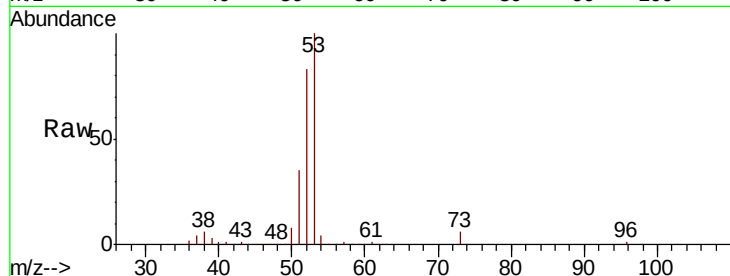
Tot Ion: 53 Resp: 934975

Ion Ratio Lower Upper

53 100

52 82.6 65.1 97.7

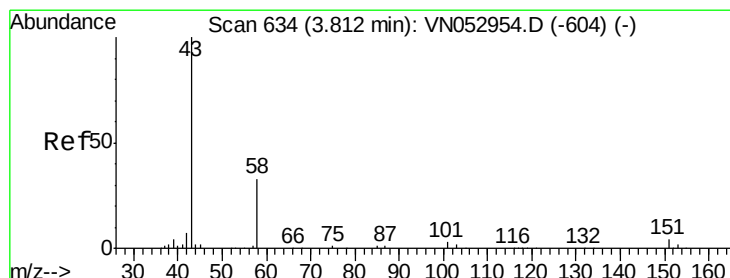
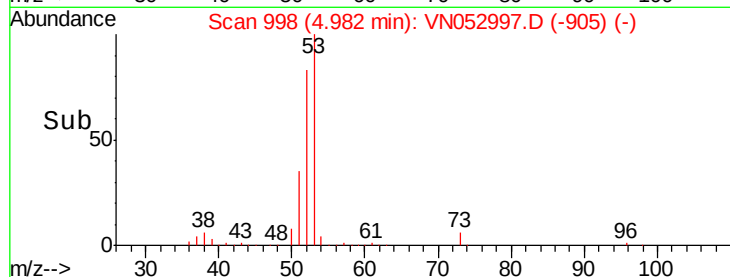
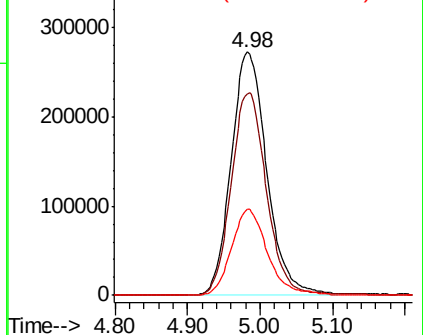
51 35.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 223.900 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052997.D

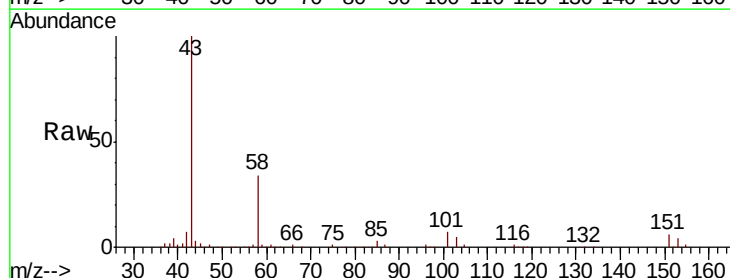
Acq: 19 Dec 2018 8:55

Tgt Ion: 43 Resp: 515241

Ion Ratio Lower Upper

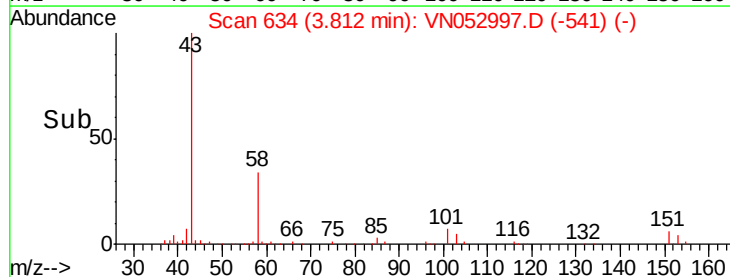
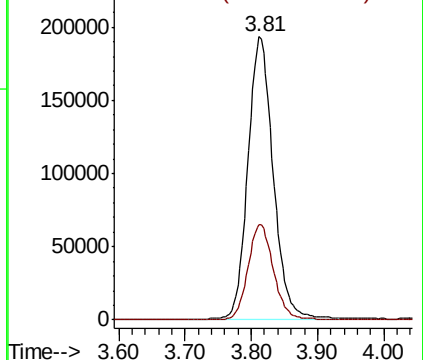
43 100

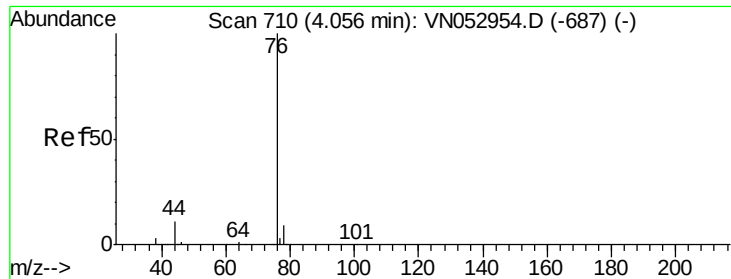
58 33.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 43.771 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

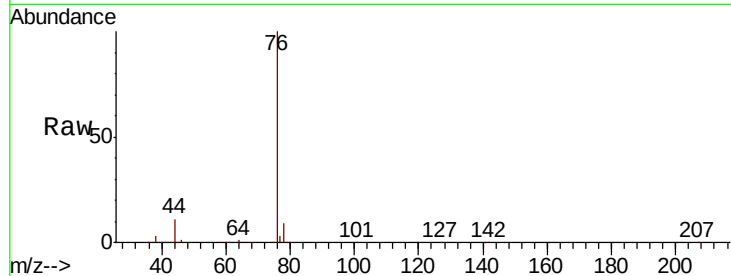
ClientSampled :

Tot Ion: 76 Resp: 1573574

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

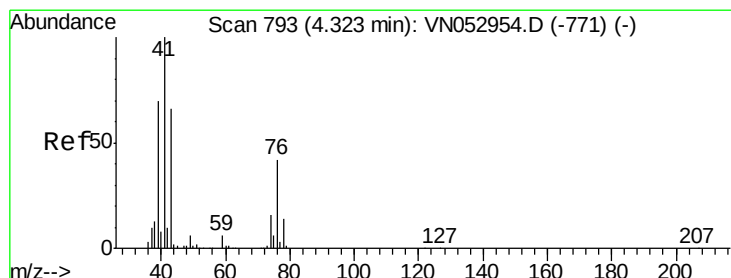
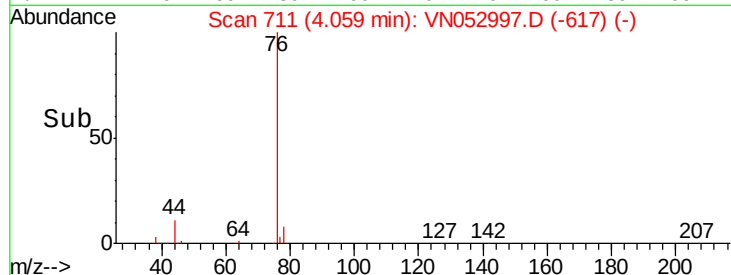
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 45.629 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN052997.D

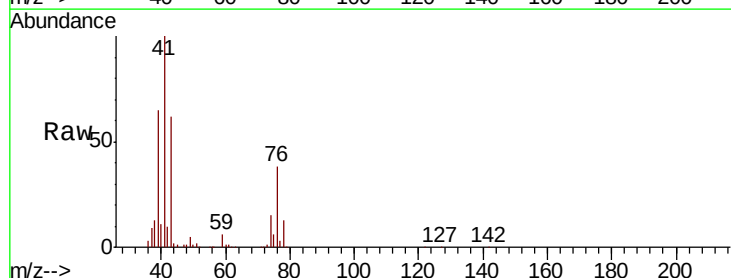
Acq: 19 Dec 2018 8:55

Tgt Ion: 43 Resp: 475654

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

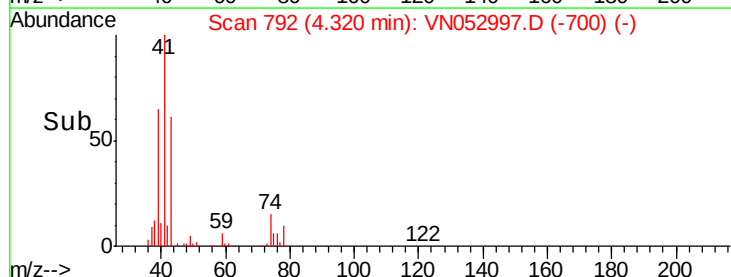
150000

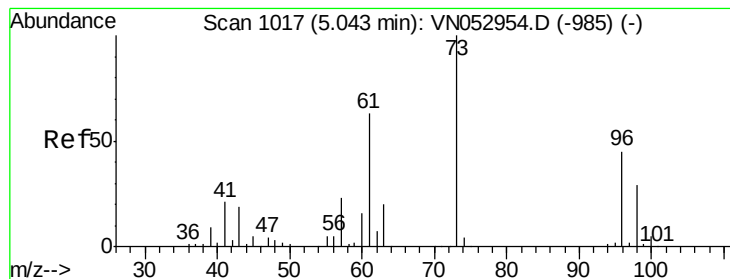
100000

50000

0

Time-->



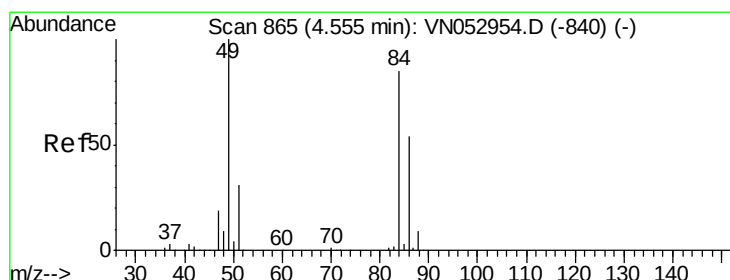
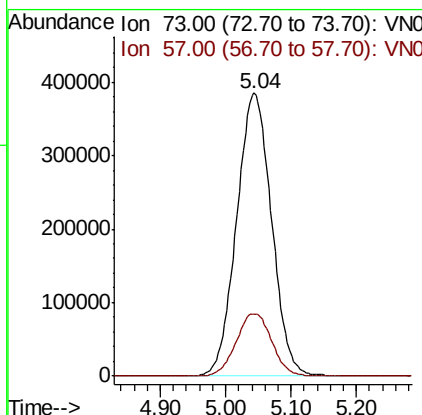
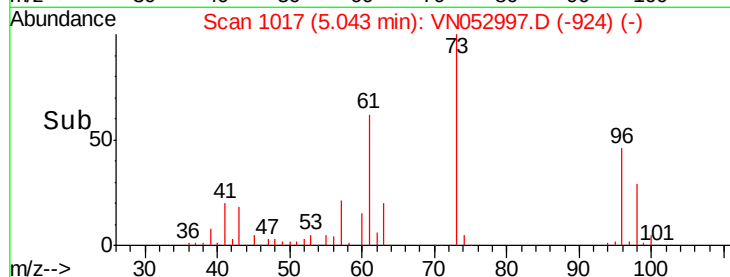
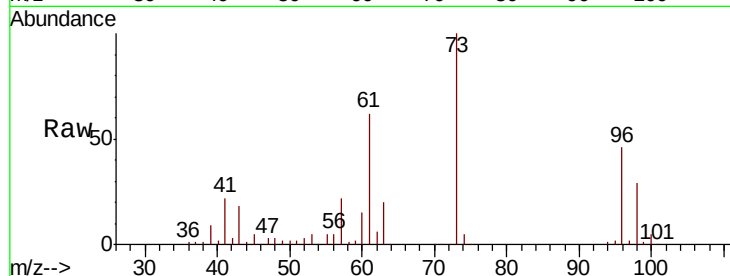


#19

Methyl tert-butyl Ether
 Concen: 48.513 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampled :

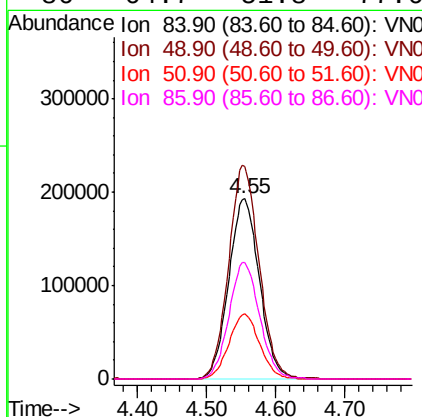
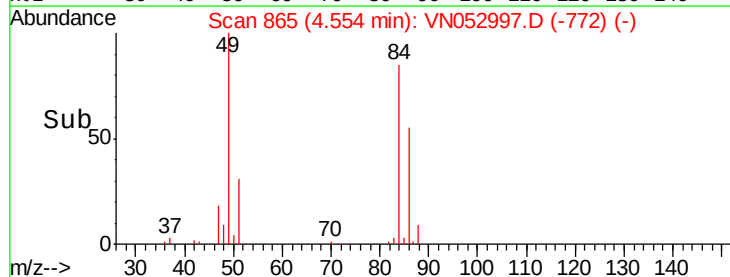
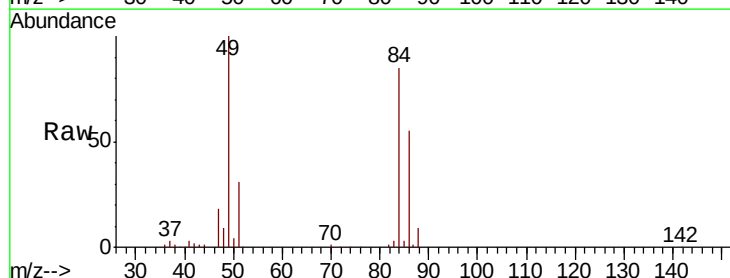
Tot Ion: 73 Resp: 1431111
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.4 27.6

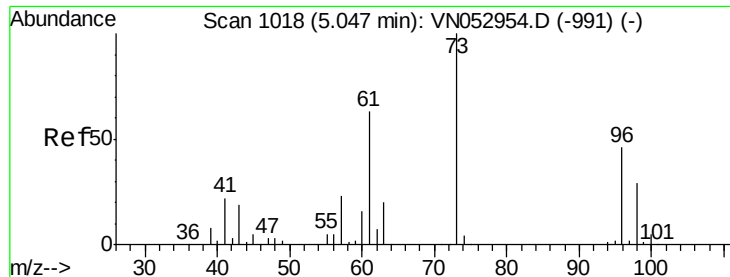


#20

Methylene Chloride
 Concen: 47.549 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 84 Resp: 596875
 Ion Ratio Lower Upper
 84 100
 49 117.9 96.8 145.2
 51 36.3 29.9 44.9
 86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.630 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampled :

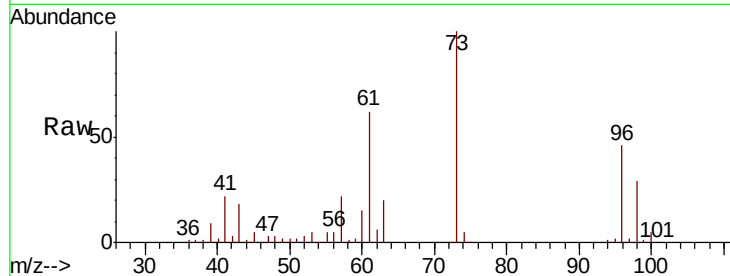
Tot Ion: 96 Resp: 564117

Ion Ratio Lower Upper

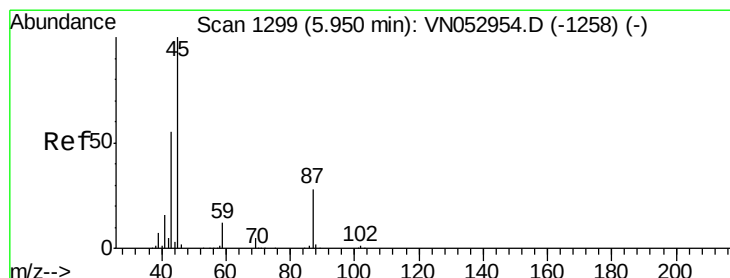
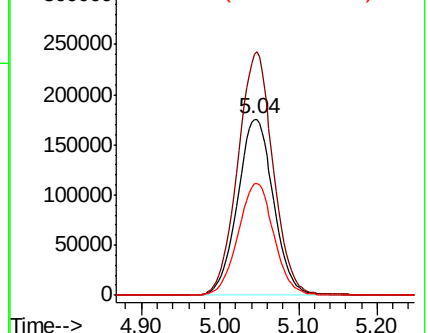
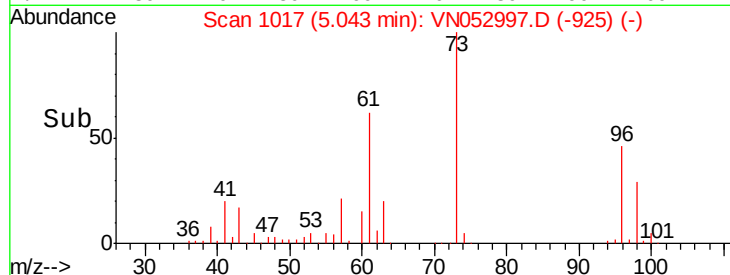
96 100

61 136.5 110.8 166.2

98 63.1 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: 49.311 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Tgt Ion: 45 Resp: 1797242

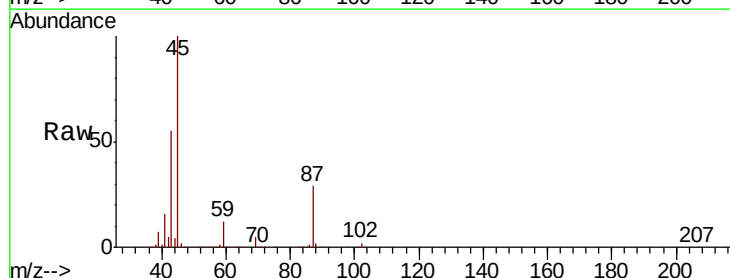
Ion Ratio Lower Upper

45 100

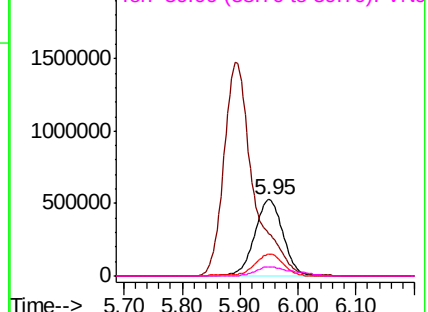
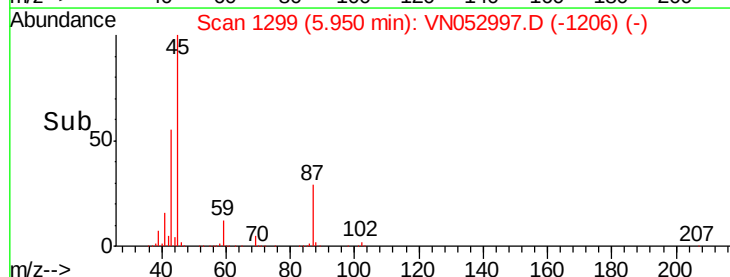
43 55.4 45.5 68.3

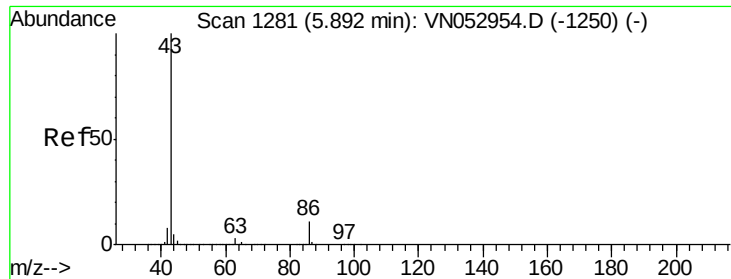
87 28.6 22.0 33.0

59 12.0 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: 247.822 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

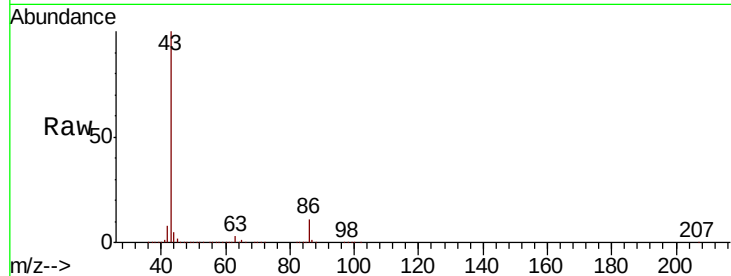
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 5193849

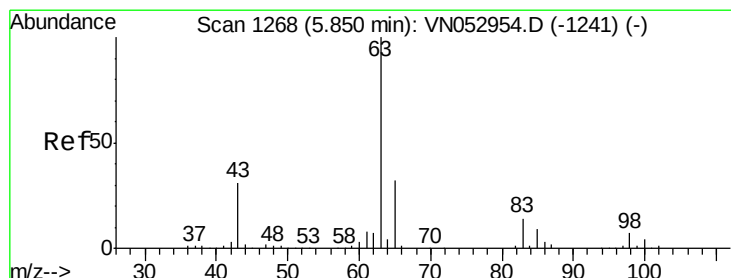
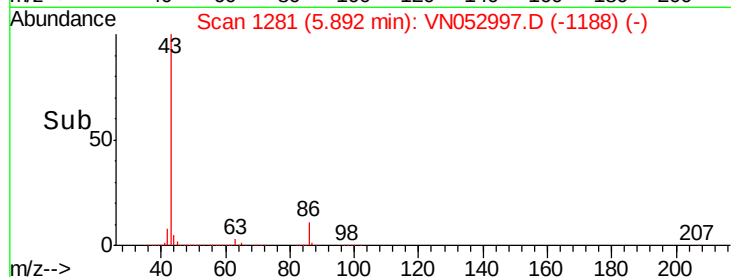
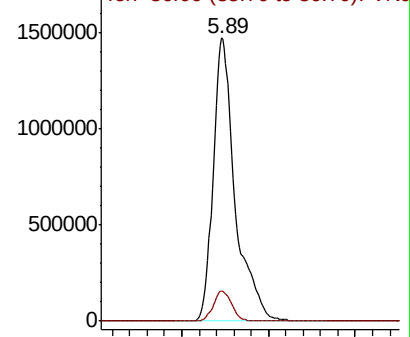
Ion Ratio Lower Upper

43 100

86 10.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052997.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 47.948 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

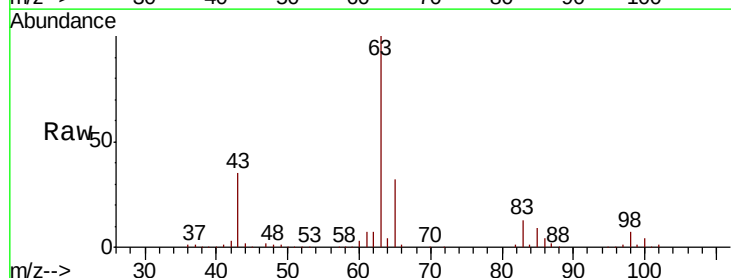
Tgt Ion: 63 Resp: 1038436

Ion Ratio Lower Upper

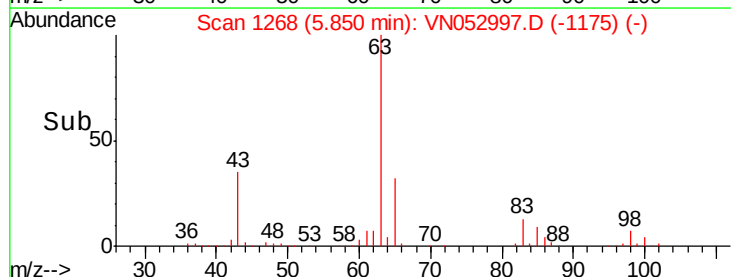
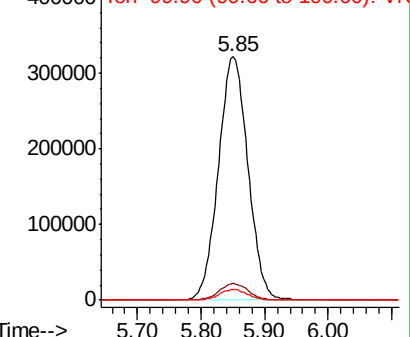
63 100

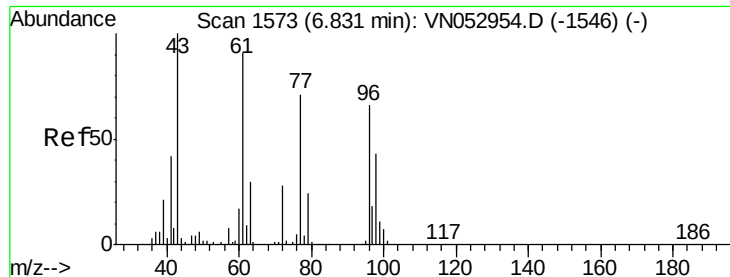
98 6.7 3.1 9.4

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052997.D (-1175) (-)

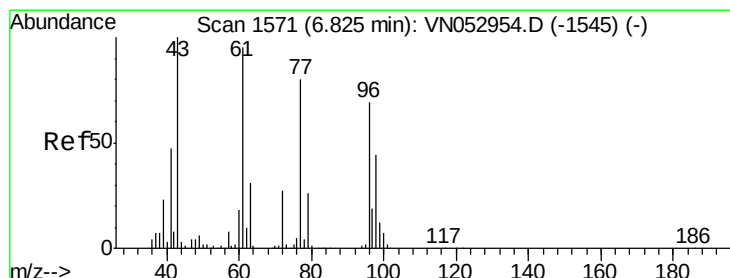
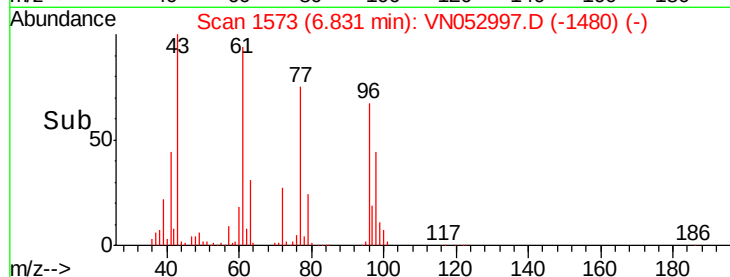
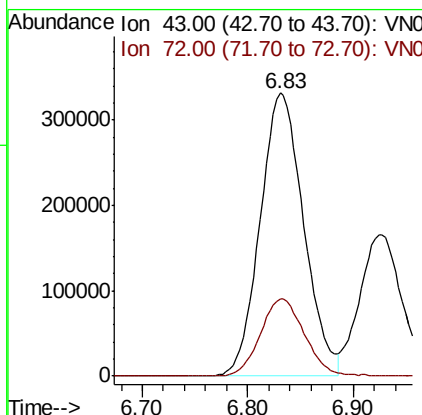
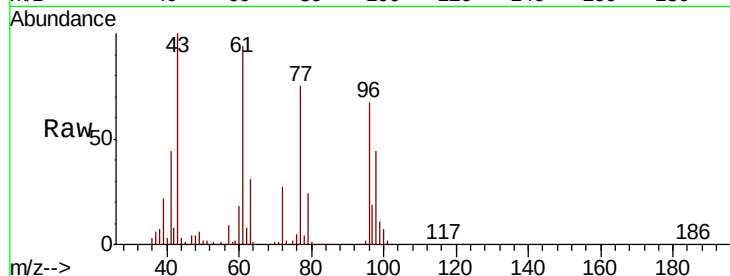




#25
2-Butanone
Concen: 245.737 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

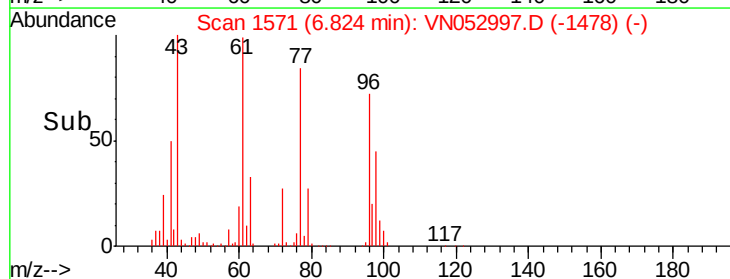
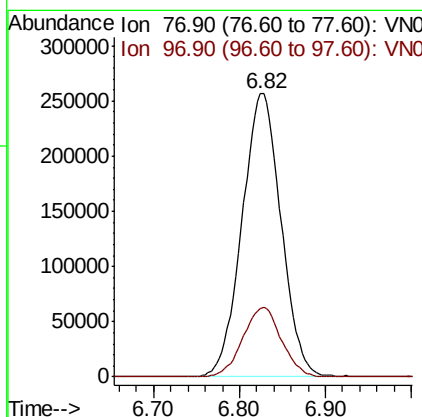
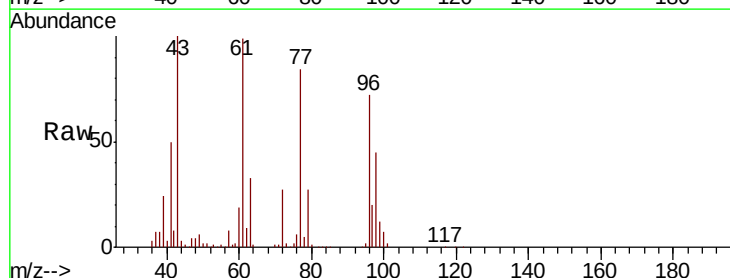
Instrument :
MSVOA_N
ClientSampleId :

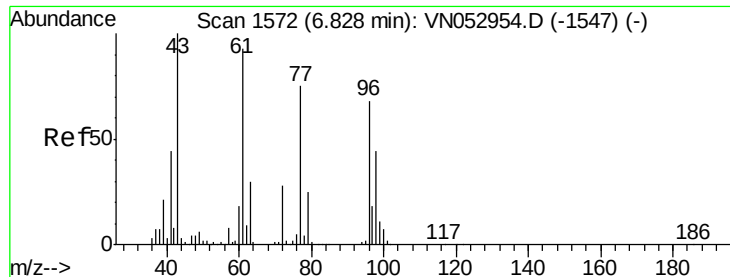
Tot Ion: 43 Resp: 949036
Ion Ratio Lower Upper
43 100
72 27.2 21.0 31.6



#26
2,2-Dichloropropane
Concen: 49.005 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 77 Resp: 810189
Ion Ratio Lower Upper
77 100
97 24.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 47.983 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :

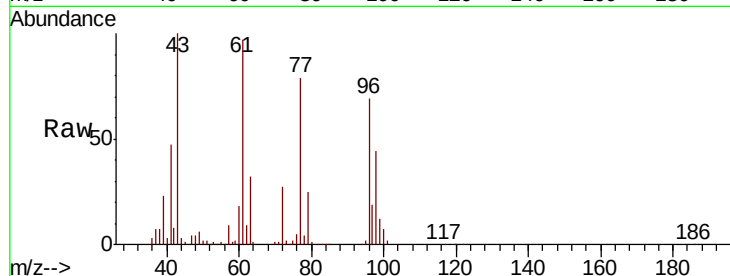
Tot Ion: 96 Resp: 643381

Ion Ratio Lower Upper

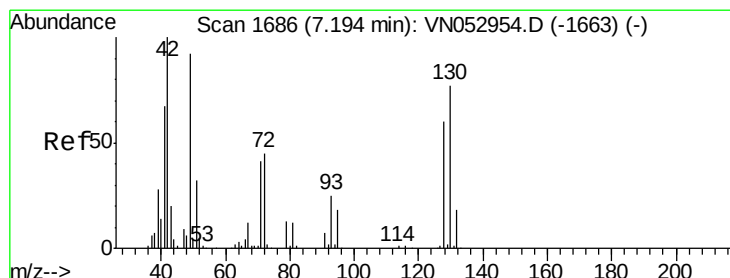
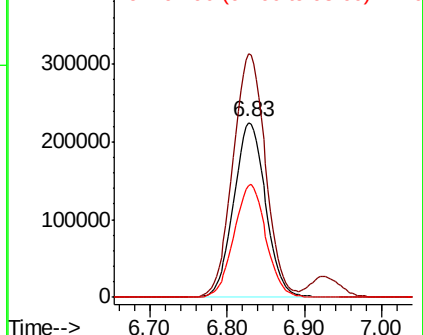
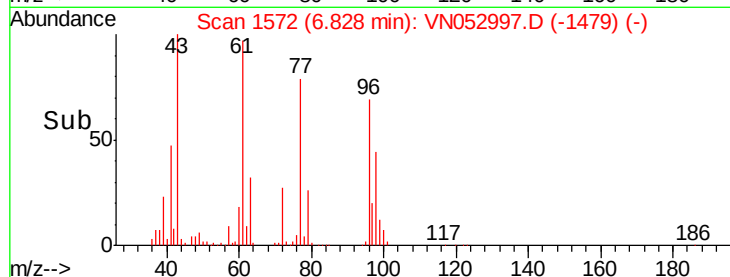
96 100

61 142.3 0.0 284.2

98 64.9 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: 49.026 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

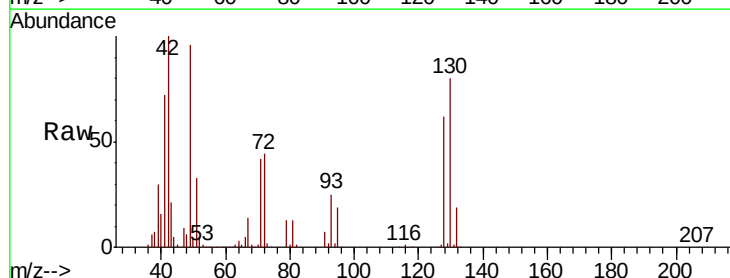
Tgt Ion: 49 Resp: 460094

Ion Ratio Lower Upper

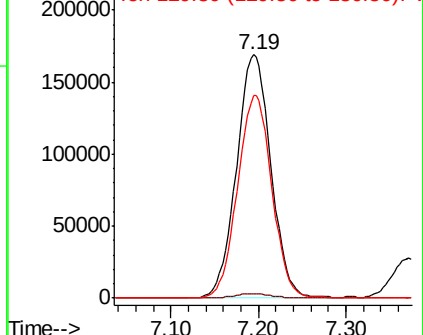
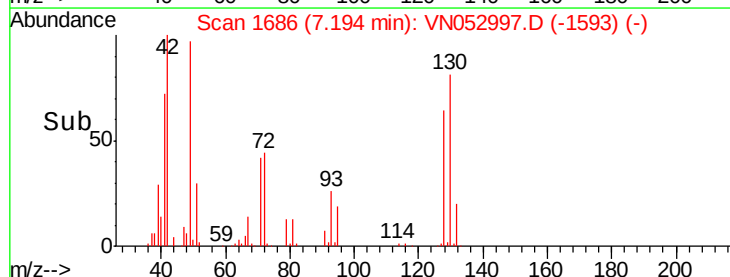
49 100

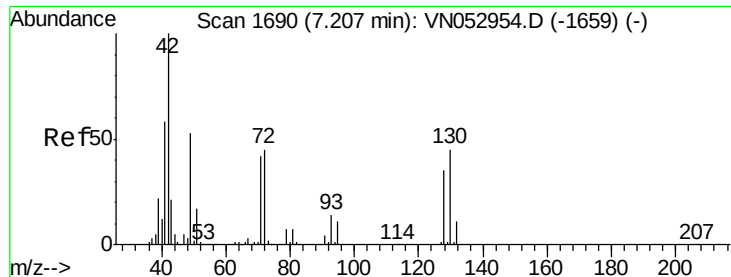
129 1.9 0.0 4.0

130 83.2 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

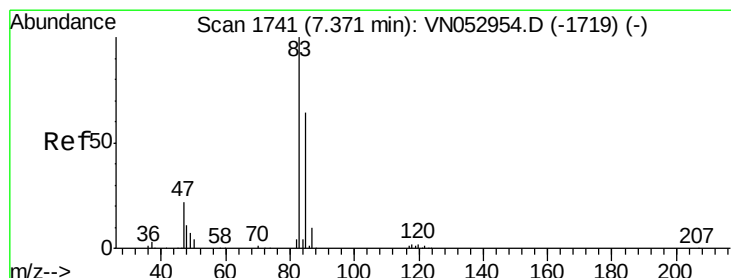
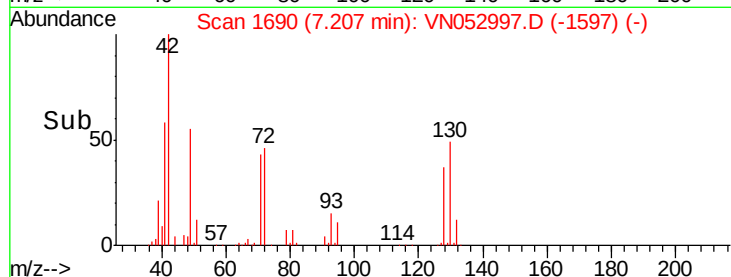
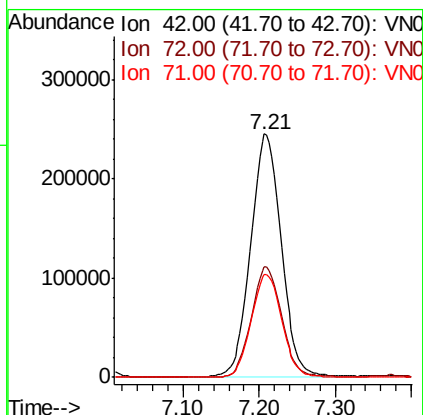
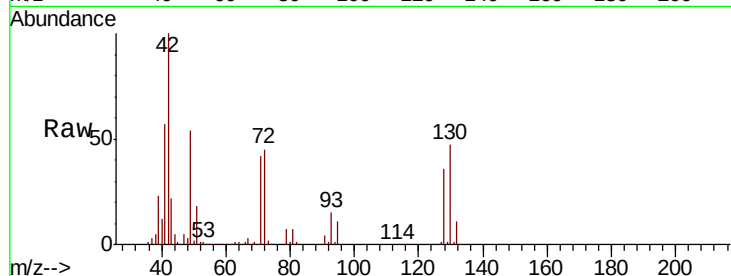




#29
Tetrahydrofuran
Concen: 239.257 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

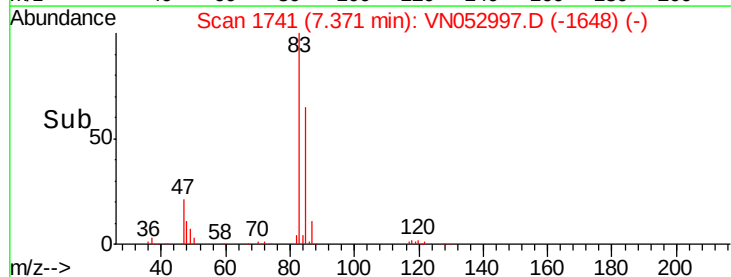
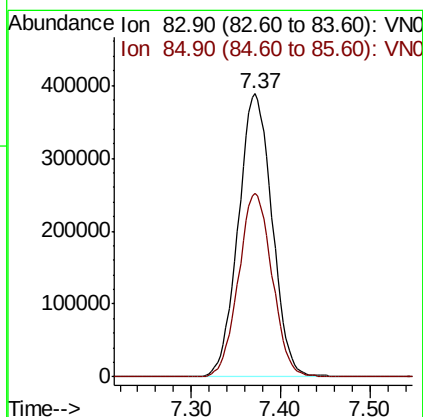
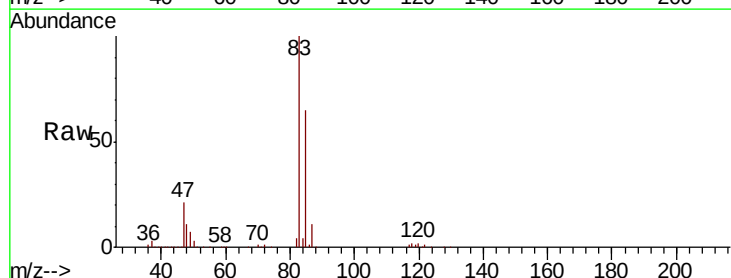
Instrument :
MSVOA_N
ClientSampleId :

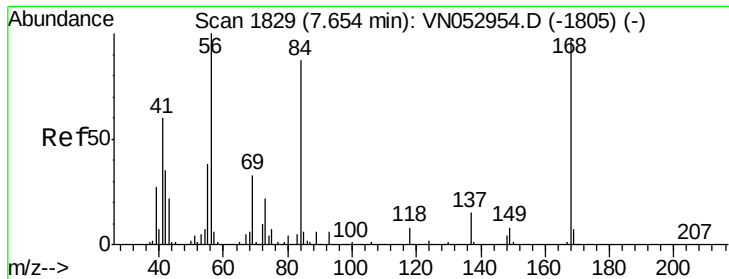
Tot Ion: 42 Resp: 690116
Ion Ratio Lower Upper
42 100
72 44.9 34.7 52.1
71 42.4 32.3 48.5



#30
Chloroform
Concen: 48.046 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 83 Resp: 1022204
Ion Ratio Lower Upper
83 100
85 65.0 52.1 78.1





#31

Cyclohexane

Concen: 49.744 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampled :

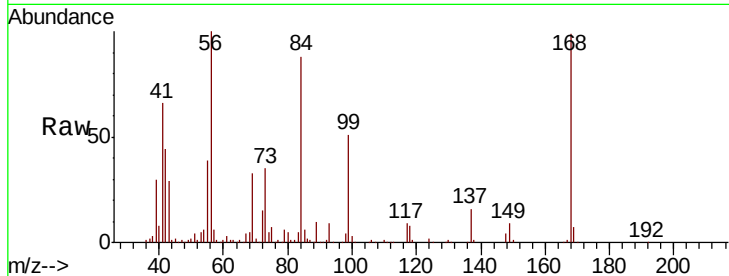
Tot Ion: 56 Resp: 1010520

Ion Ratio Lower Upper

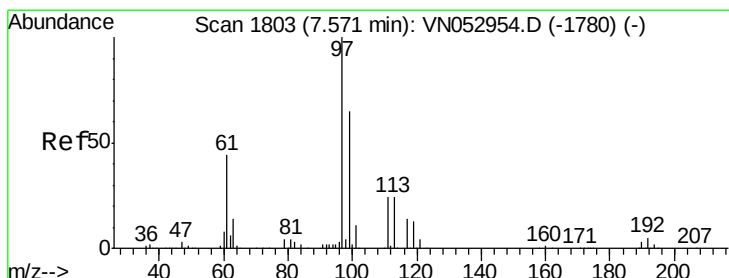
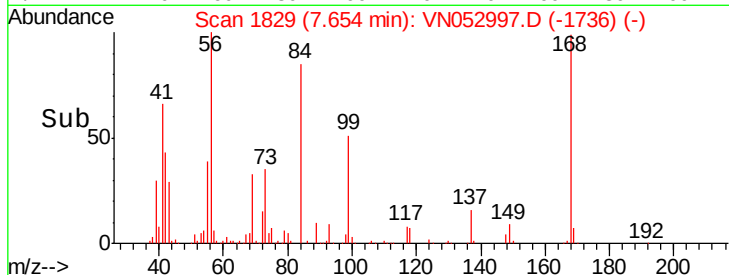
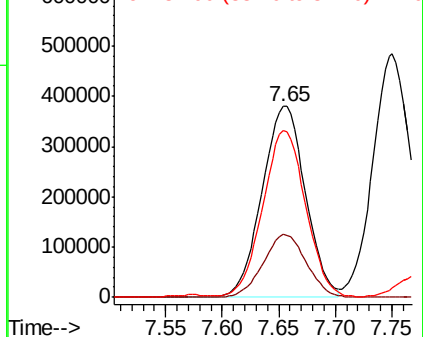
56 100

69 32.8 26.6 39.8

84 86.3 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: 47.689 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

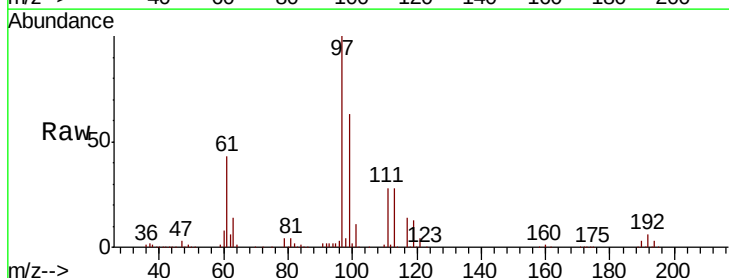
Tgt Ion: 97 Resp: 864305

Ion Ratio Lower Upper

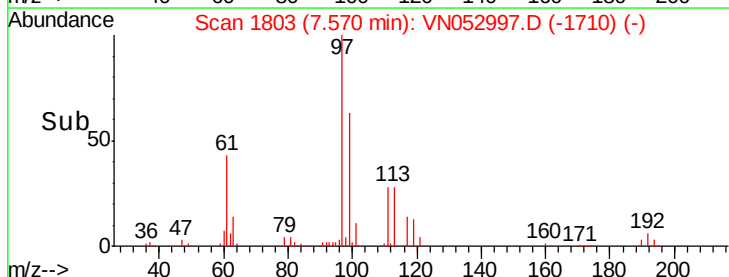
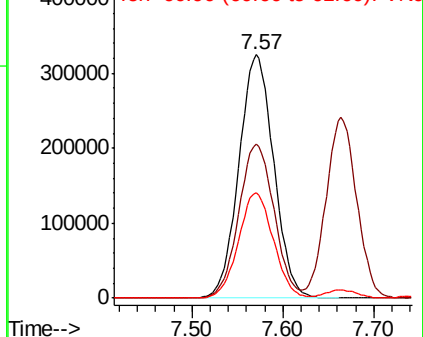
97 100

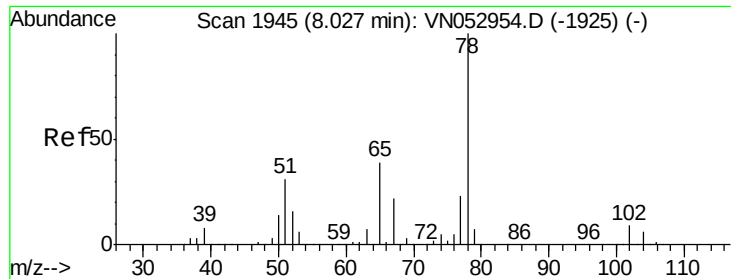
99 64.0 51.1 76.7

61 43.2 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

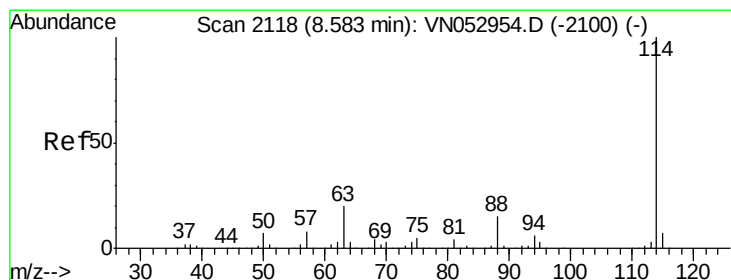
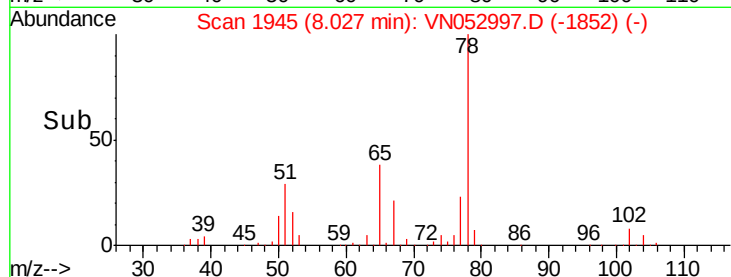
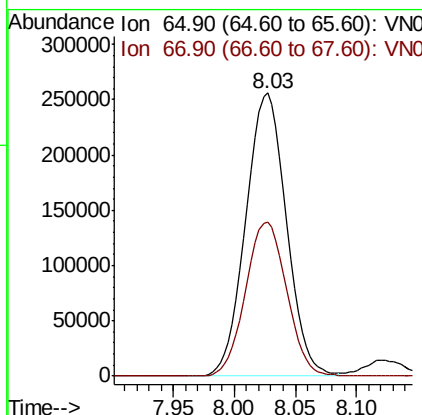
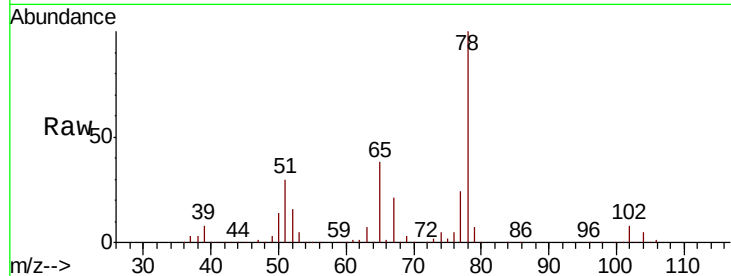




#33
 1,2-Dichloroethane-d4
 Concen: 47.689 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

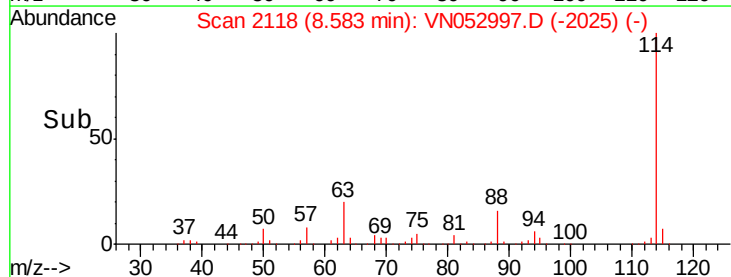
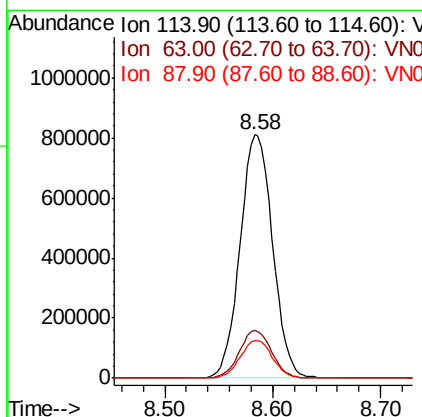
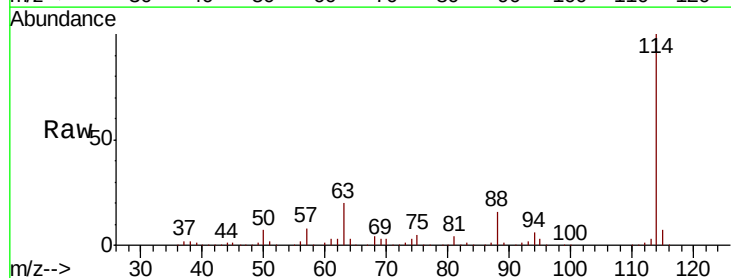
Instrument :
 MSVOA_N
 ClientSampled :

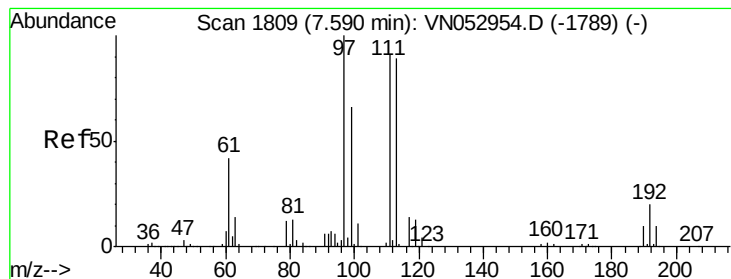
Tot Ion: 65 Resp: 590402
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 114 Resp: 1702873
 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: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampled :

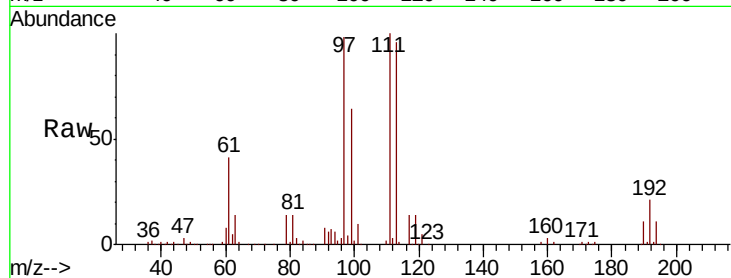
Tot Ion:113 Resp: 452087

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

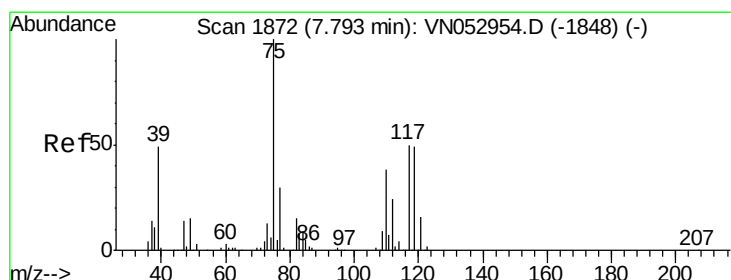
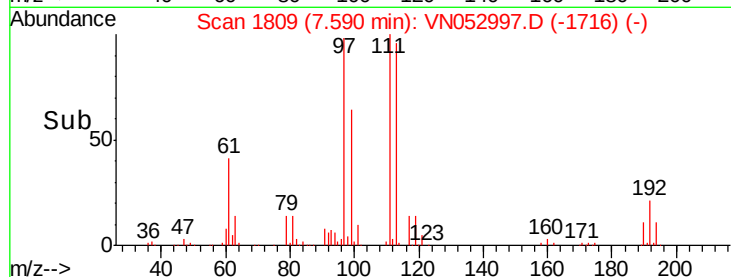
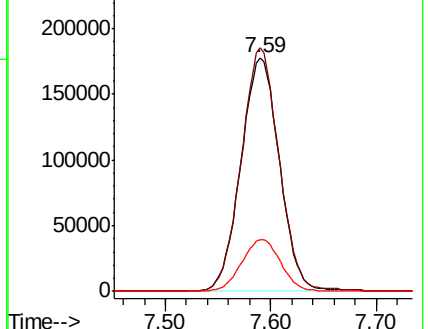
192 22.4 17.5 26.3



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: 49.848 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

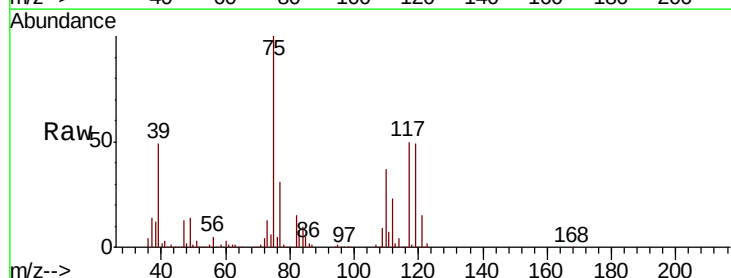
Tgt Ion: 75 Resp: 814745

Ion Ratio Lower Upper

75 100

110 36.6 18.2 54.6

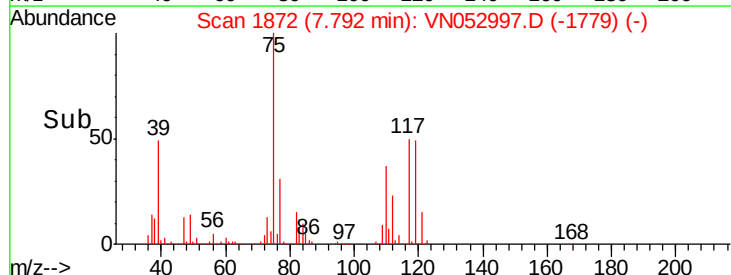
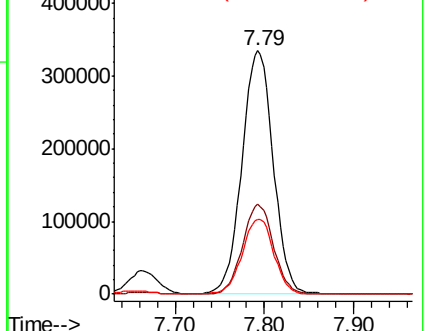
77 31.2 24.9 37.3

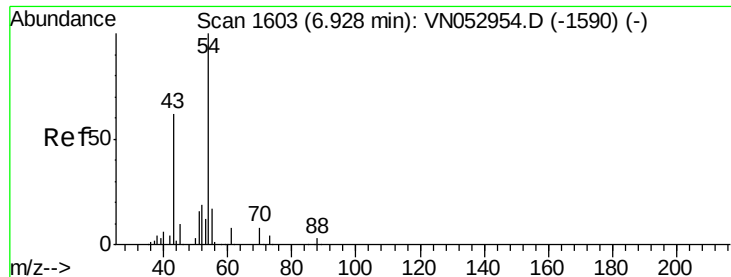


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

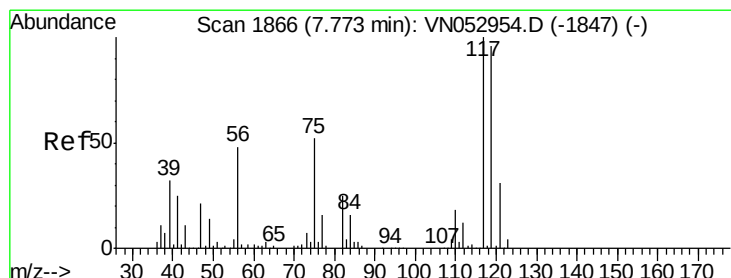
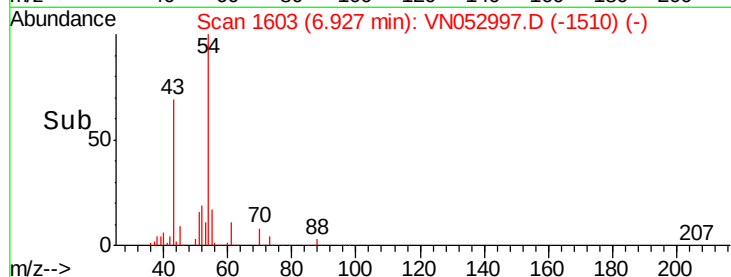
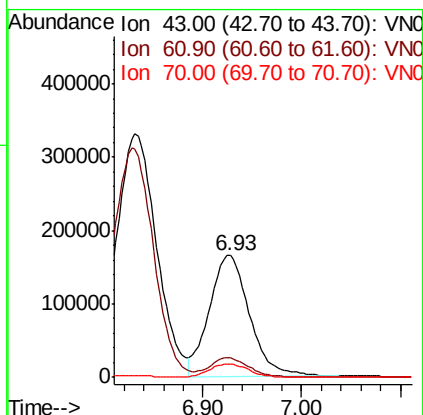
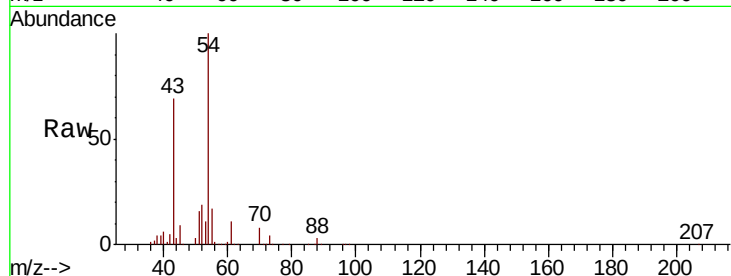




#37
Ethyl Acetate
Concen: 51.505 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

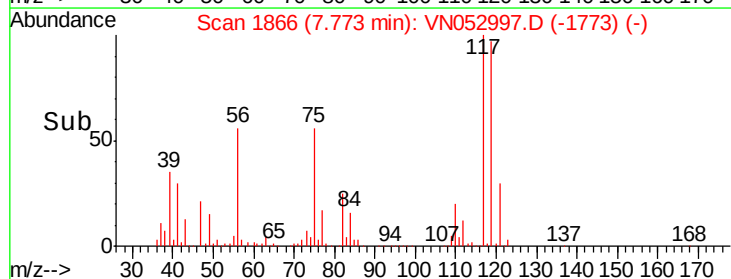
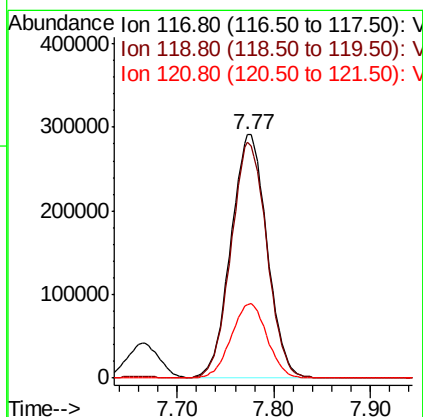
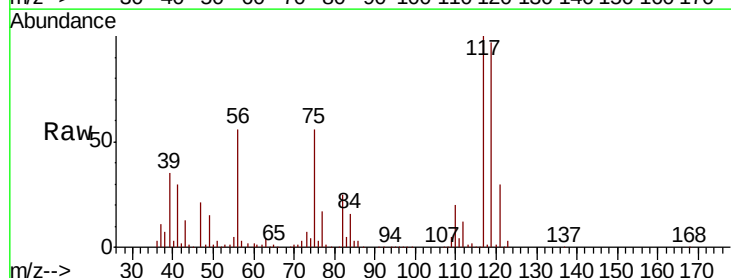
Instrument :
MSVOA_N
ClientSampled :

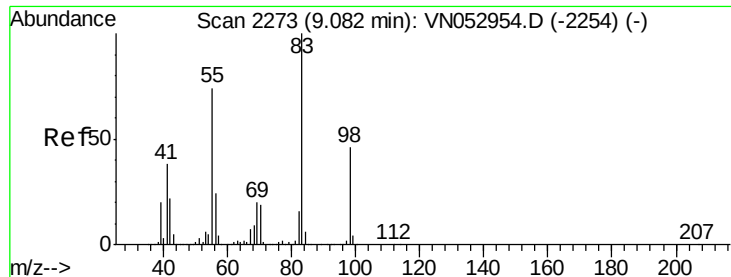
Tot Ion: 43 Resp: 469947
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.152 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 117 Resp: 751351
Ion Ratio Lower Upper
117 100
119 96.9 77.1 115.7
121 30.4 24.9 37.3

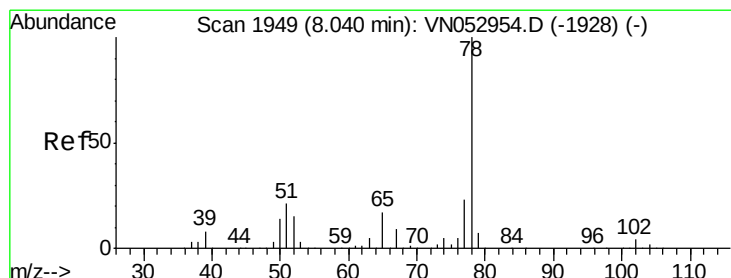
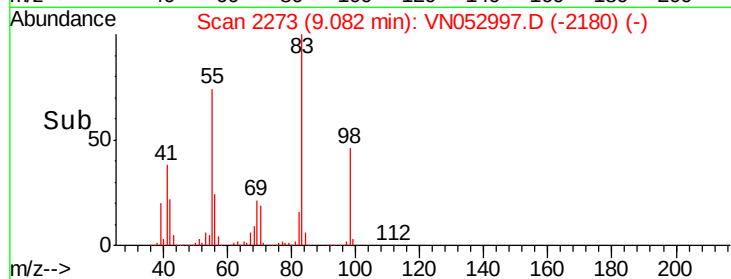
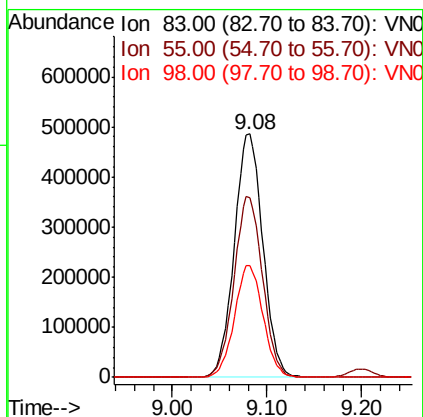
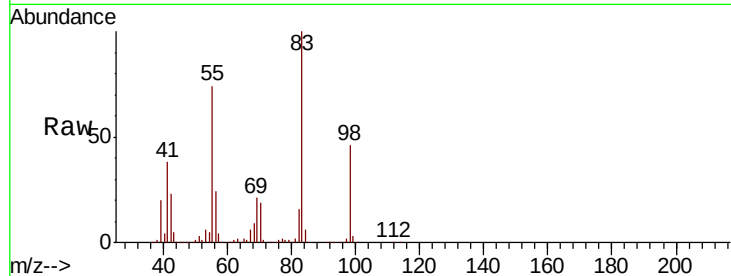




#39
Methylvlcyclohexane
Concen: 51.478 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

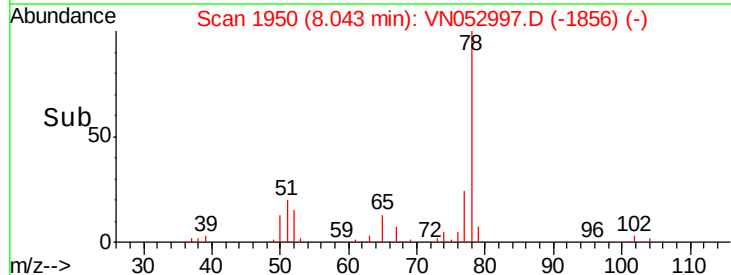
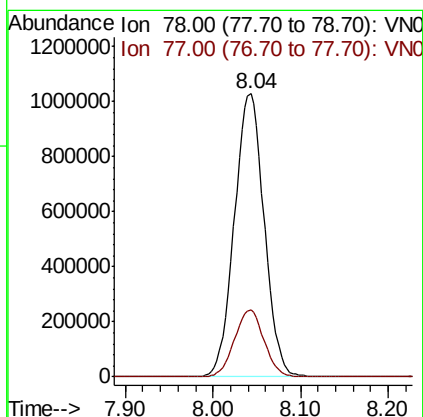
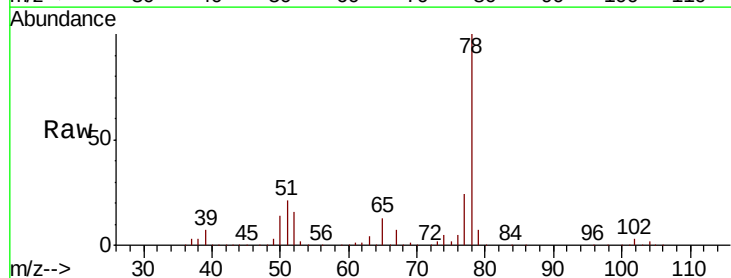
Instrument :
MSVOA_N
ClientSampled :

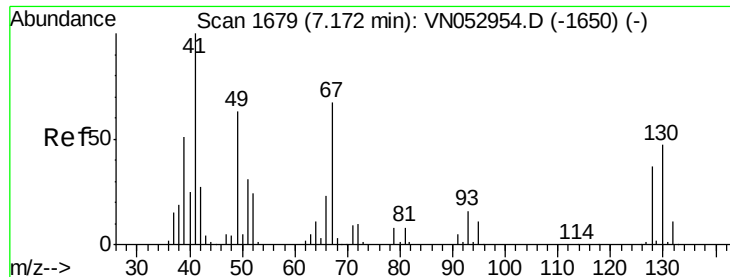
Tot Ion: 83 Resp: 1022125
Ion Ratio Lower Upper
83 100
55 73.7 61.3 91.9
98 45.7 37.0 55.4



#40
Benzene
Concen: 50.114 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 78 Resp: 2436387
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7

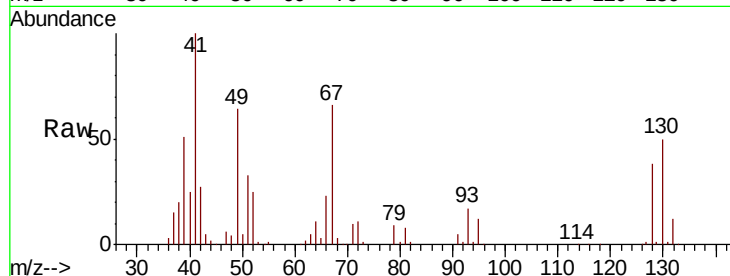




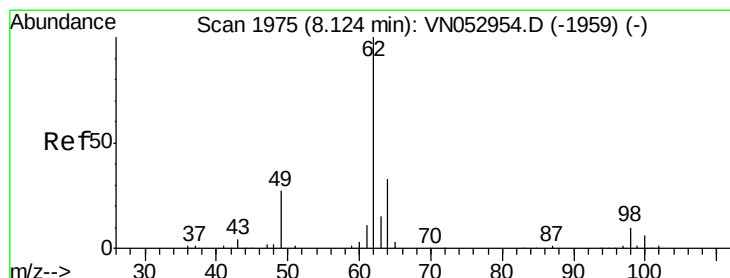
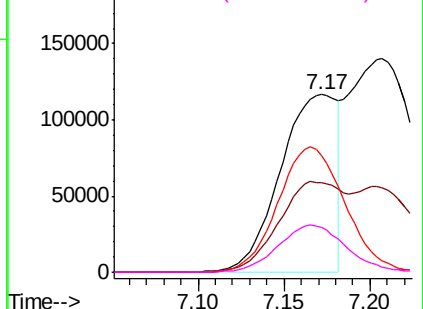
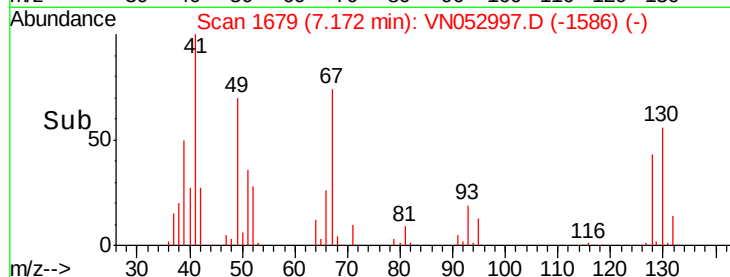
#41
Methacrylonitrile
Concen: 50.654 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 267047
Ion Ratio Lower Upper
41 100
39 58.8 48.0 72.0
67 83.9 70.3 105.5
52 31.5 26.9 40.3

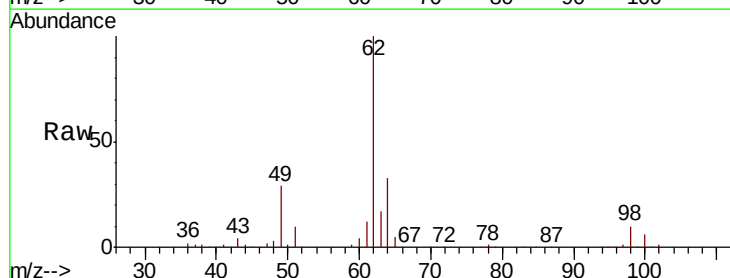


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

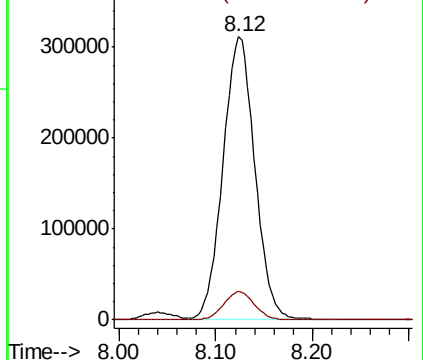
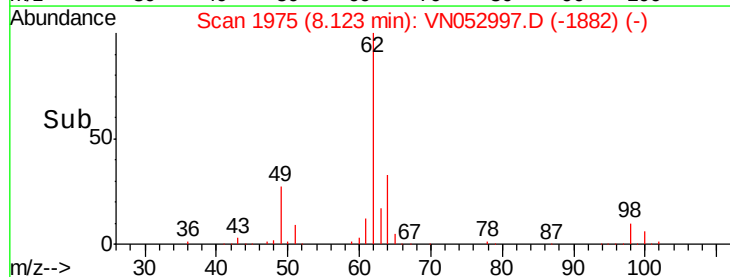


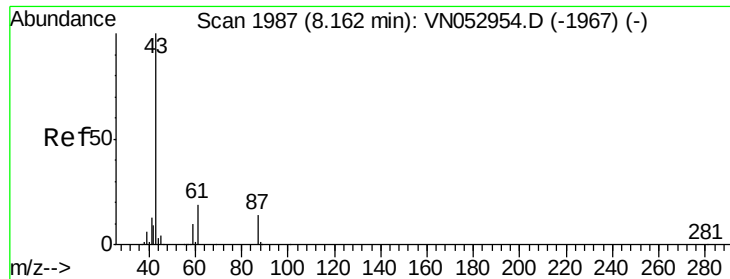
#42
1,2-Dichloroethane
Concen: 49.470 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 62 Resp: 710495
Ion Ratio Lower Upper
62 100
98 9.8 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: 50.063 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

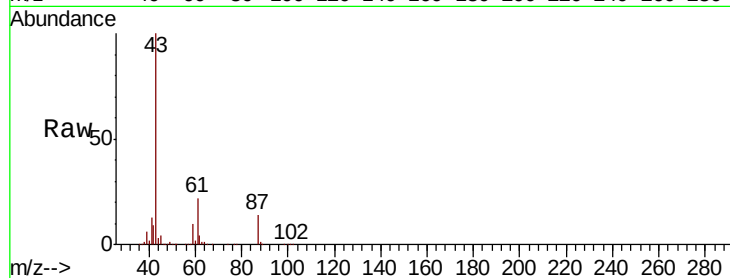
Tot Ion: 43 Resp: 883959

Ion Ratio Lower Upper

43 100

61 29.5 22.9 34.3

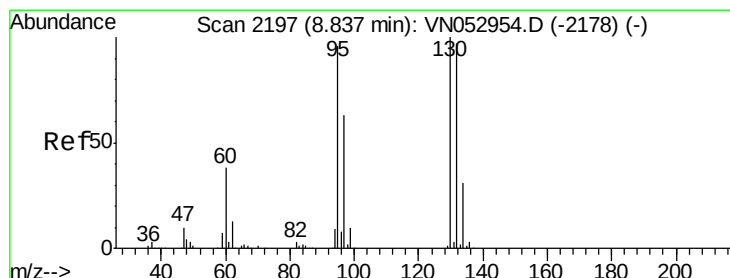
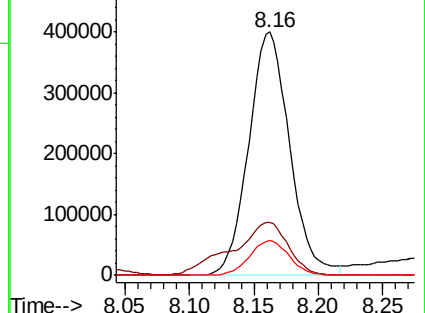
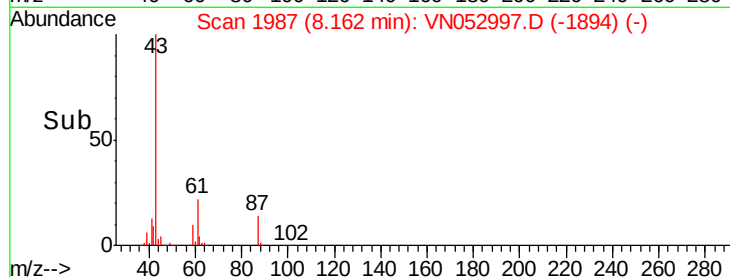
87 14.0 10.6 15.8



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: 49.596 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052997.D

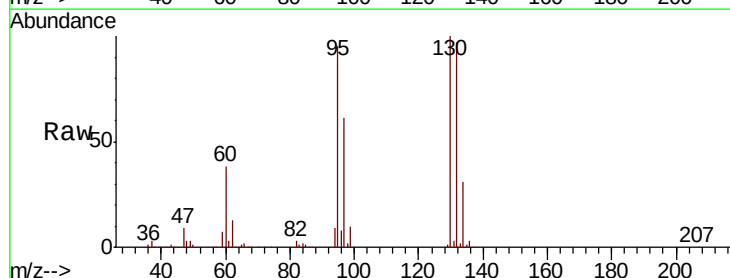
Acq: 19 Dec 2018 8:55

Tgt Ion:130 Resp: 697407

Ion Ratio Lower Upper

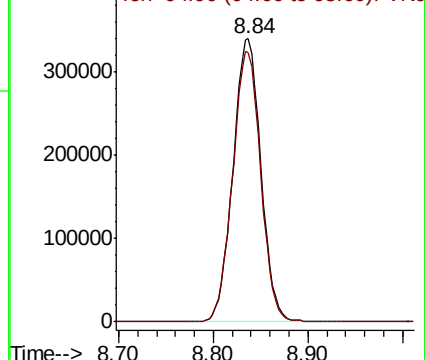
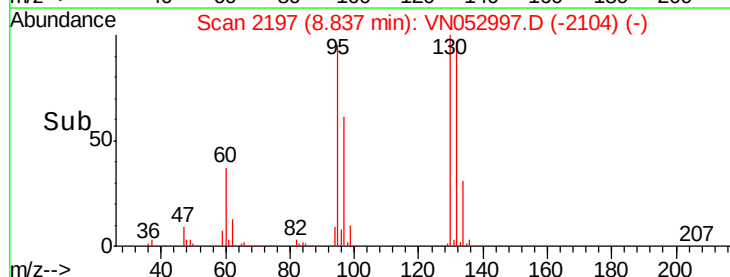
130 100

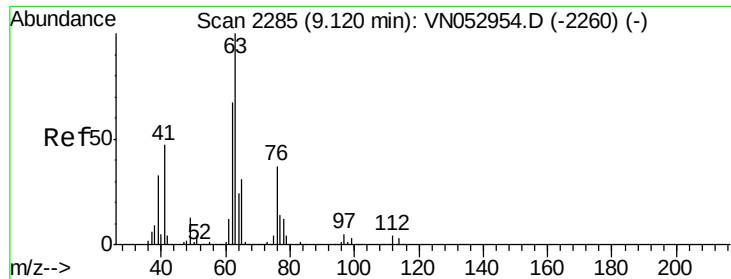
95 95.1 0.0 197.8



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

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

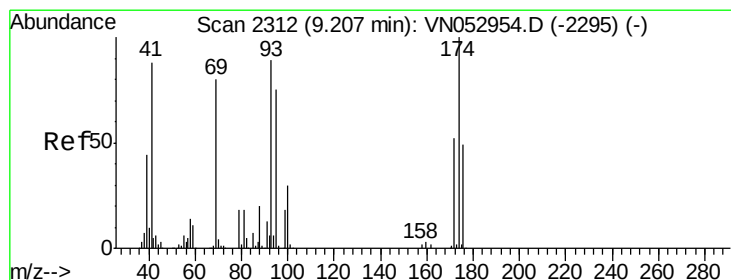
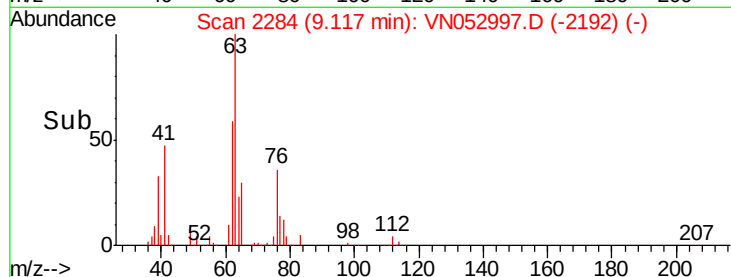
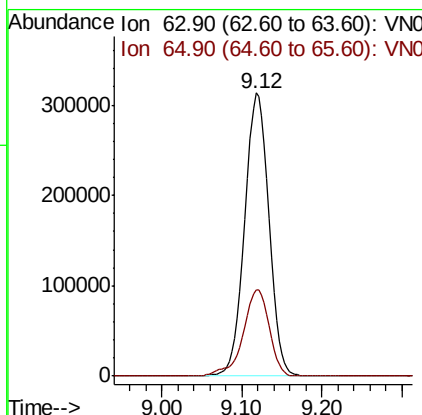
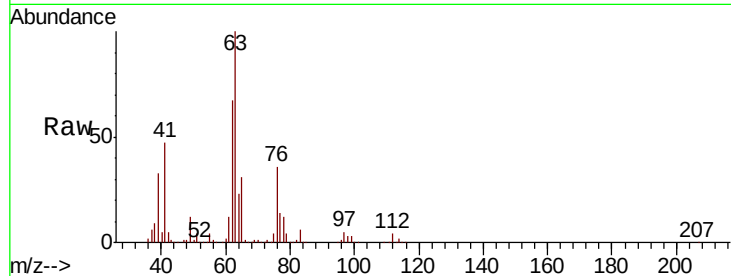




#45
 1,2-Dichloropropane
 Concen: 50.511 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

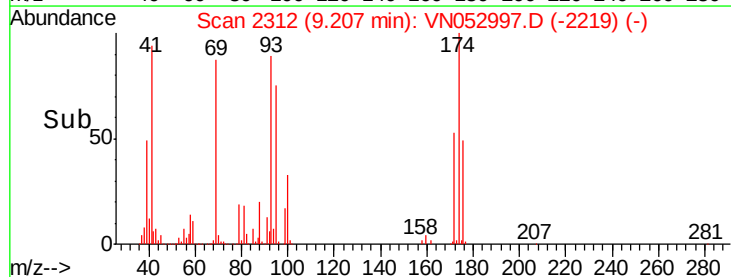
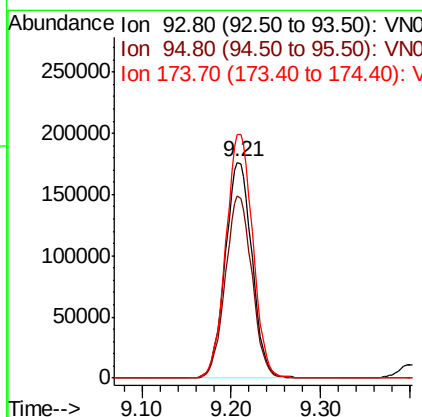
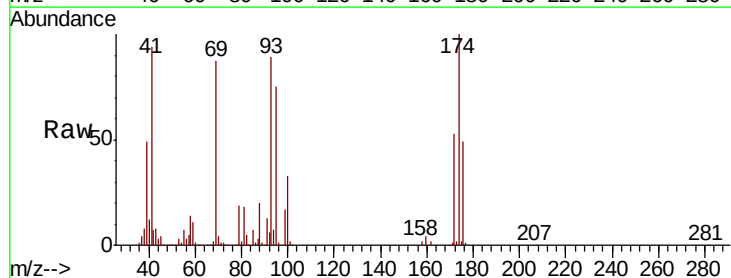
Instrument :
 MSVOA_N
 ClientSampleId :

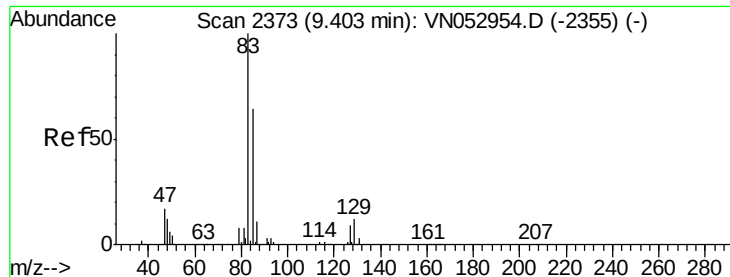
Tot Ion: 63 Resp: 639631
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 37.0



#46
 Dibromomethane
 Concen: 49.667 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 93 Resp: 366387
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 113.6 89.0 133.4





#47

Bromodichloromethane

Concen: 49.783 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

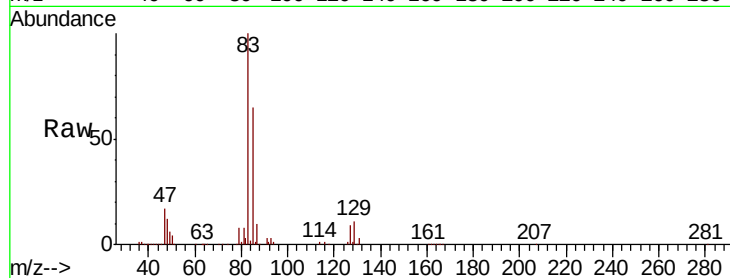
Tot Ion: 83 Resp: 780647

Ion Ratio Lower Upper

83 100

85 64.9 51.6 77.4

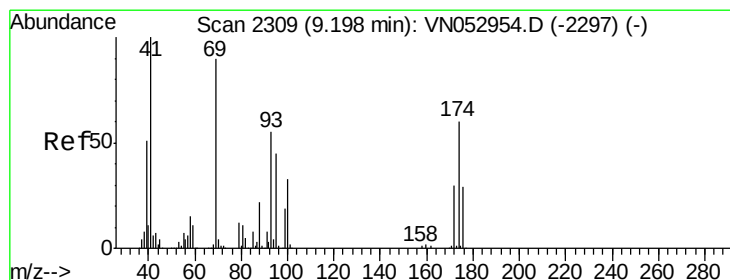
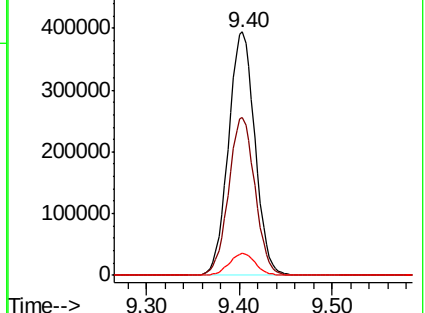
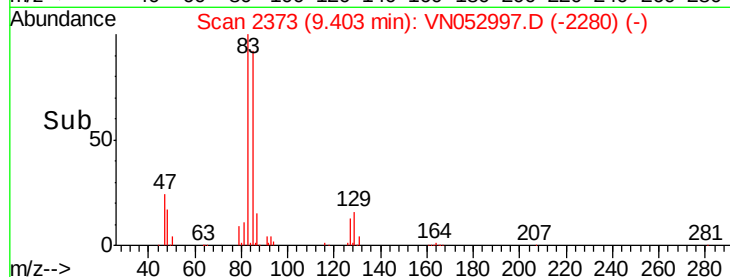
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052997.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052997.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052997.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.486 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

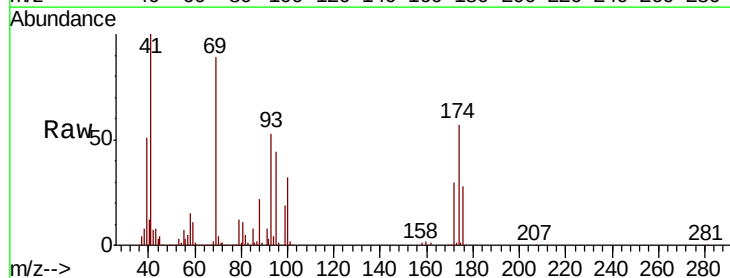
Tgt Ion: 41 Resp: 447006

Ion Ratio Lower Upper

41 100

69 91.8 72.2 108.2

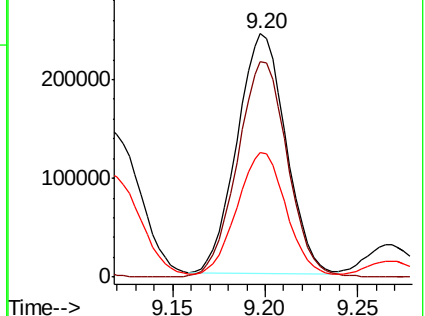
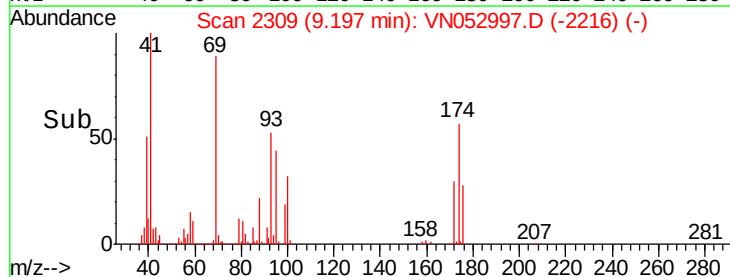
39 52.9 41.9 62.9

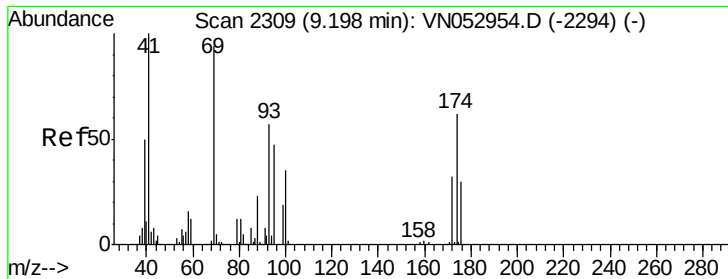


Abundance Ion 41.00 (40.70 to 41.70): VN052997.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052997.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052997.D (-2216) (-)





#49

1,4-Dioxane

Concen: 962.200 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :

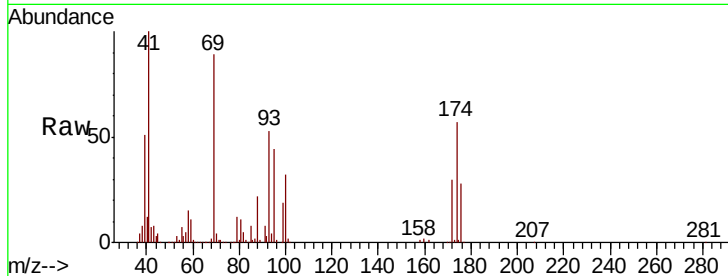
Tot Ion: 88 Resp: 107766

Ion Ratio Lower Upper

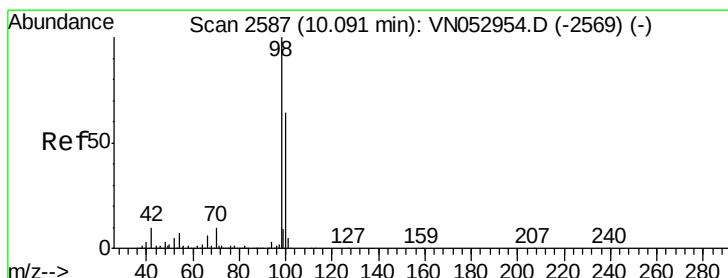
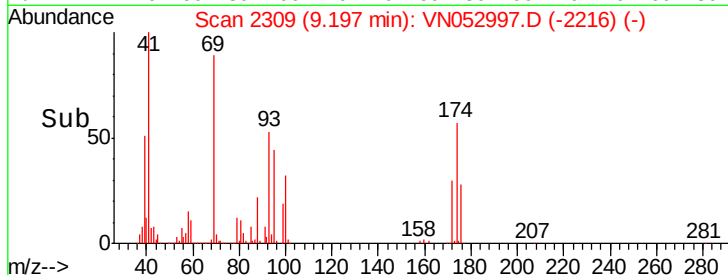
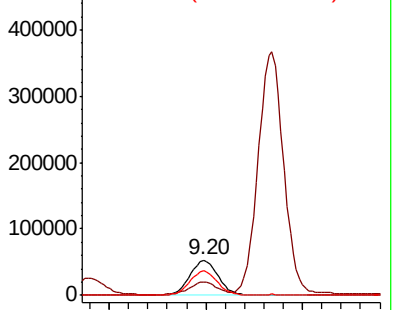
88 100

43 33.3 26.6 40.0

58 69.4 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: 962.200 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052997.D

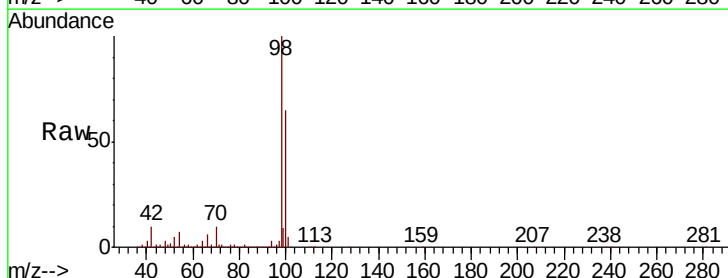
Acq: 19 Dec 2018 8:55

Tgt Ion: 98 Resp: 2209201

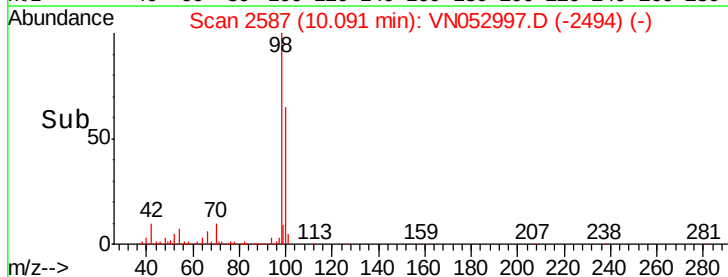
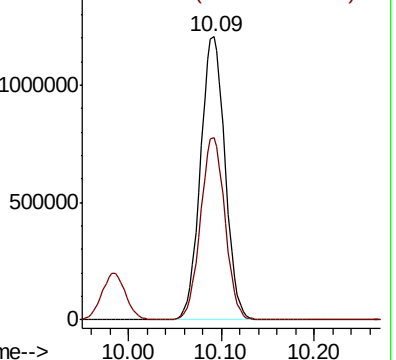
Ion Ratio Lower Upper

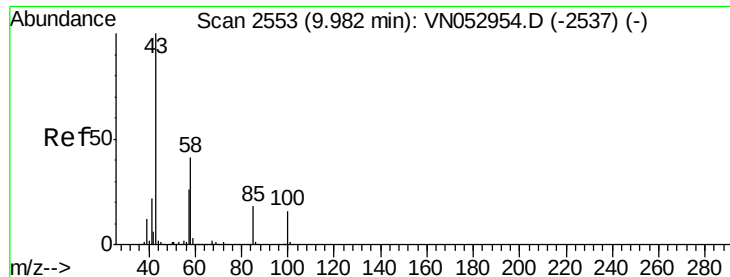
98 100

100 64.3 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: 257.696 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

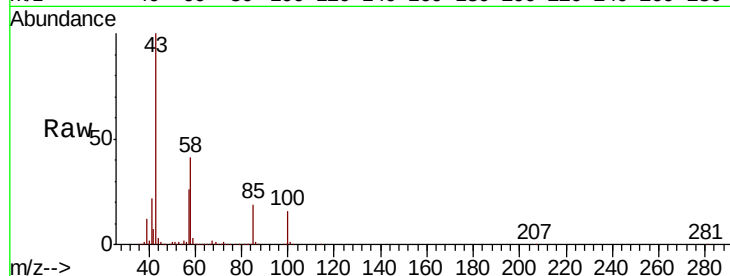
ClientSampled :

Tot Ion: 43 Resp: 2277063

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052997.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052997.D (-2537) (-)

9.98

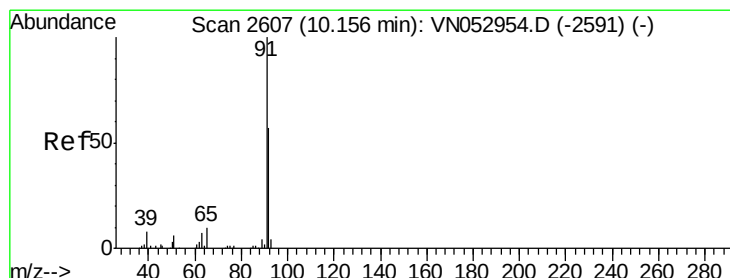
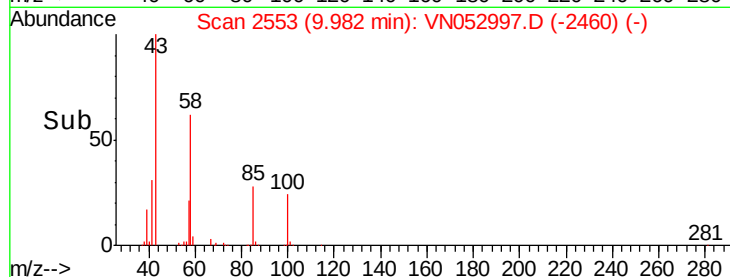
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 50.976 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052997.D

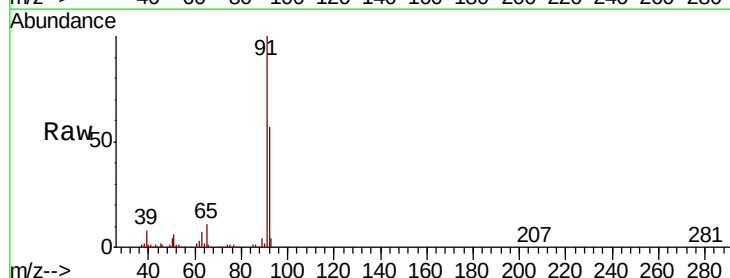
Acq: 19 Dec 2018 8:55

Tgt Ion: 92 Resp: 1536127

Ion Ratio Lower Upper

92 100

91 174.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052997.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN052997.D (-2514) (-)

10.16

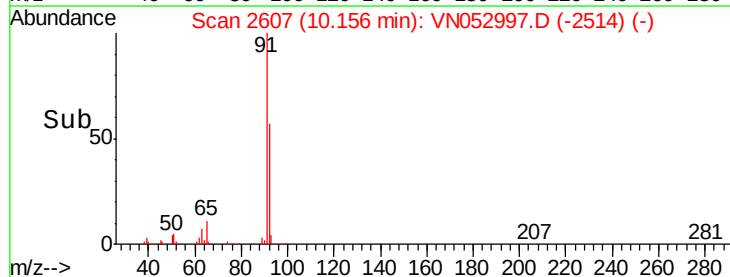
1500000

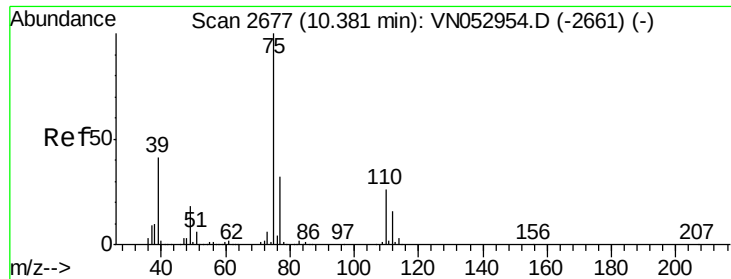
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.355 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

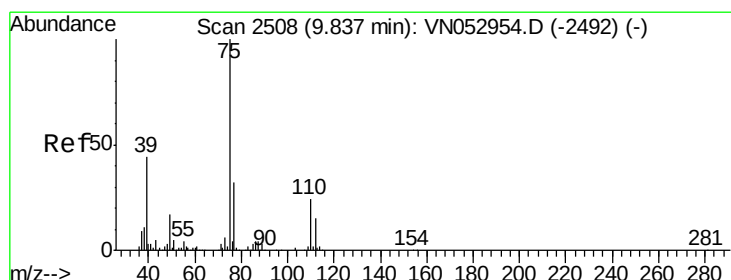
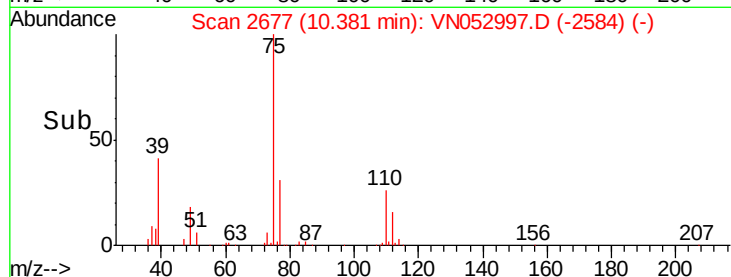
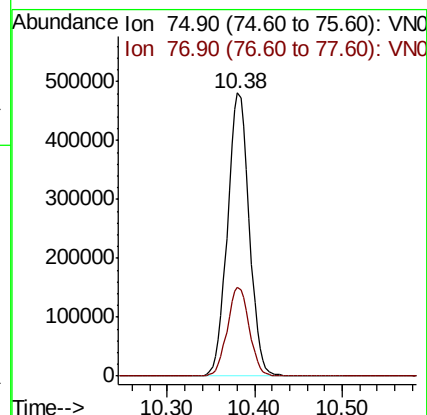
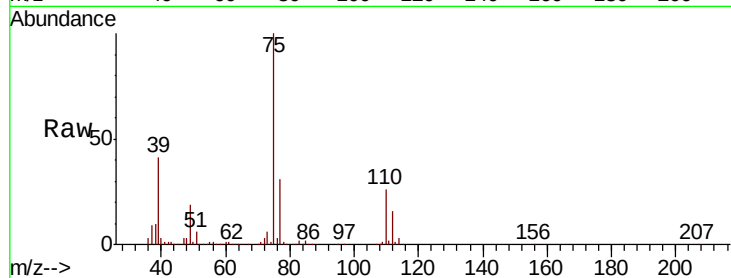
ClientSampled :

Tot Ion: 75 Resp: 830307

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 50.907 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

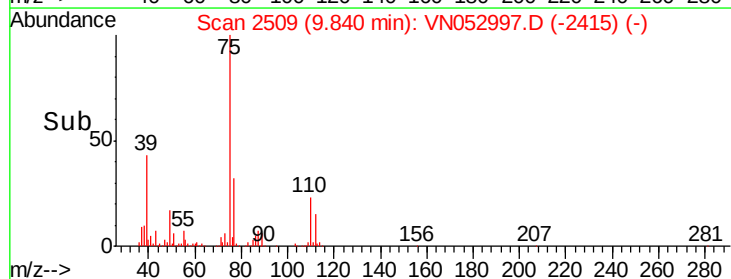
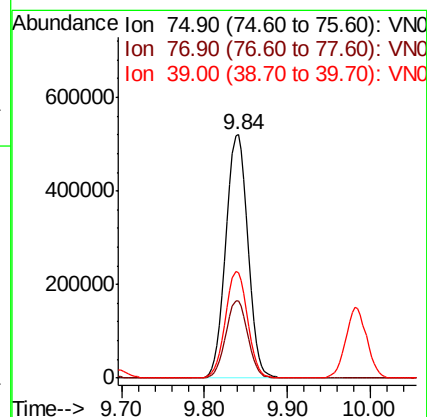
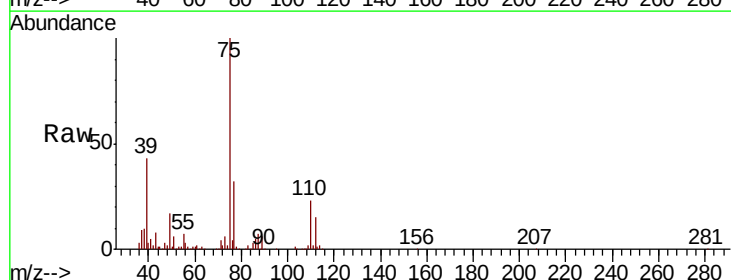
Tgt Ion: 75 Resp: 963496

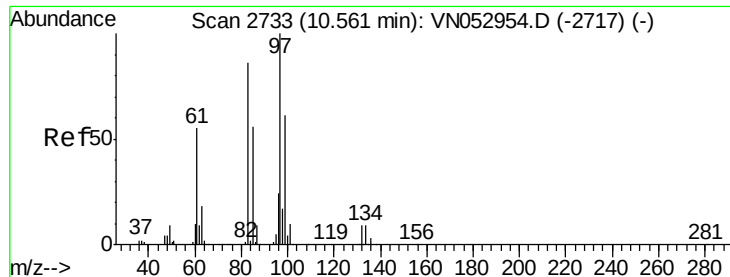
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 43.3 34.8 52.2

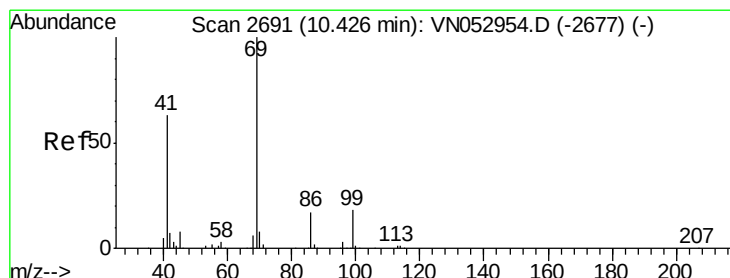
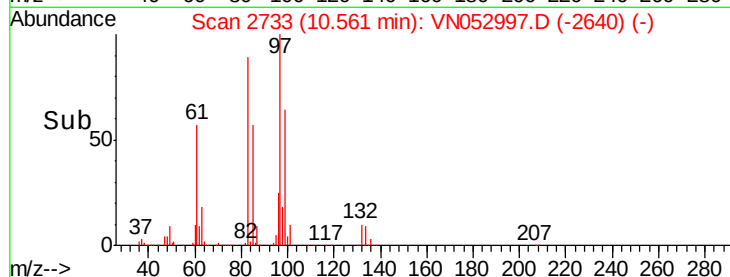
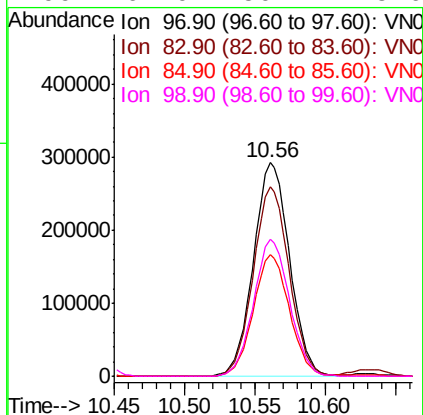
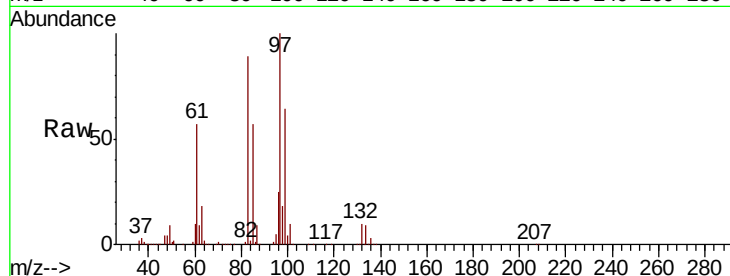




#55
 1,1,2-Trichloroethane
 Concen: 49.860 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

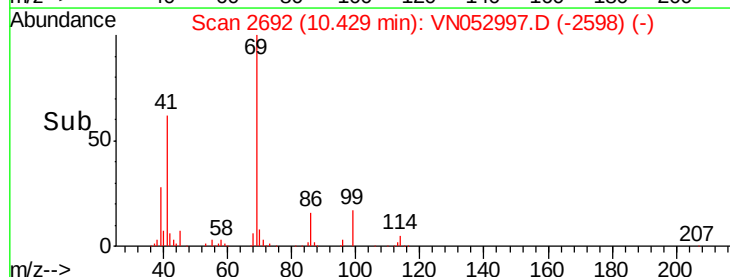
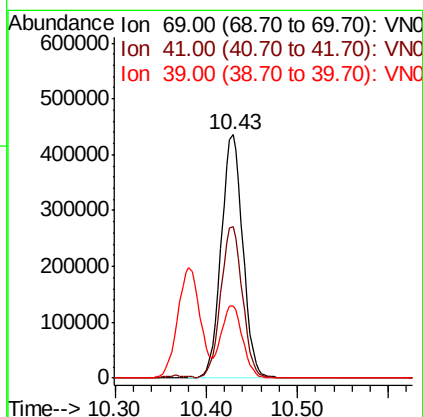
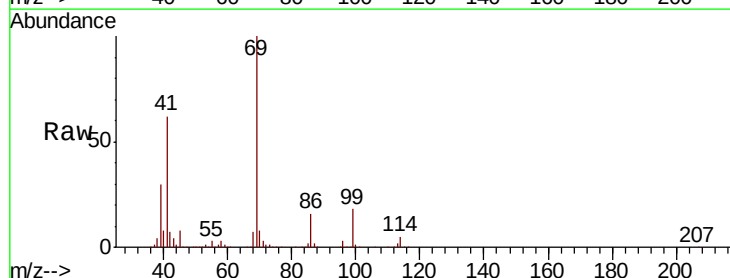
Instrument :
 MSVOA_N
 ClientSampled :

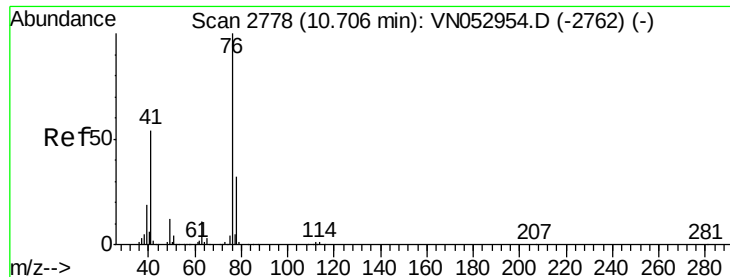
Tot Ion:	97	Resp:	524174
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	56.8	45.4	68.2
99	64.0	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 51.679 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion:	69	Resp:	719093
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.7	77.5
39	29.6	24.6	37.0





#57

1,3-Dichloropropane

Concen: 50.616 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

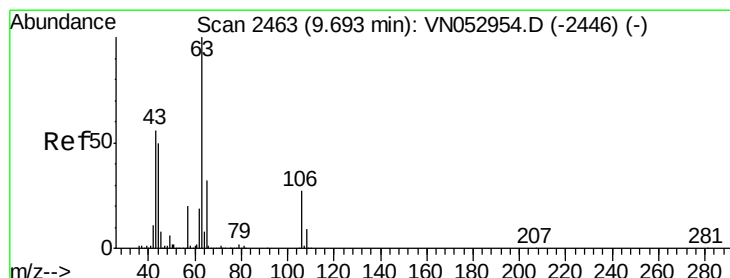
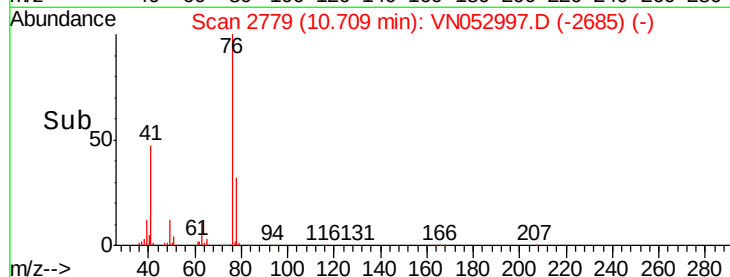
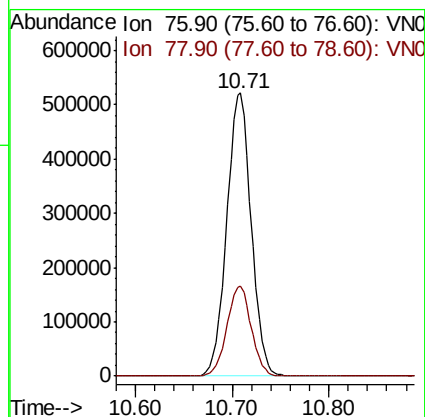
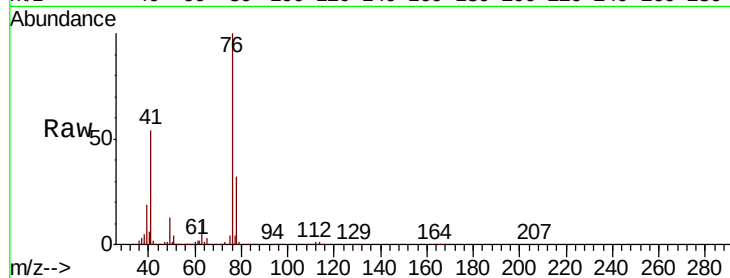
ClientSampleId :

Tot Ion: 76 Resp: 912490

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 257.676 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052997.D

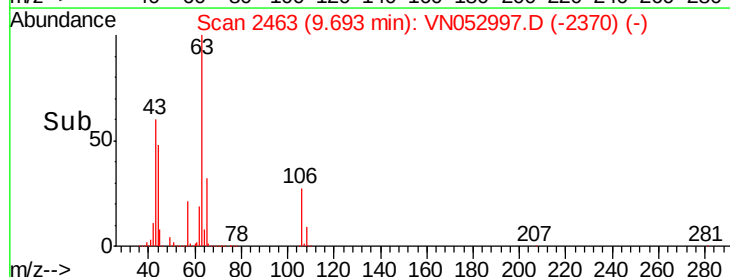
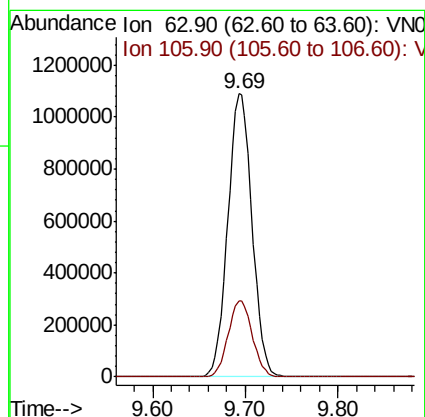
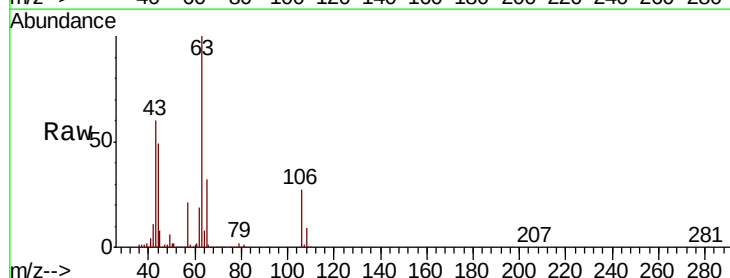
Acq: 19 Dec 2018 8:55

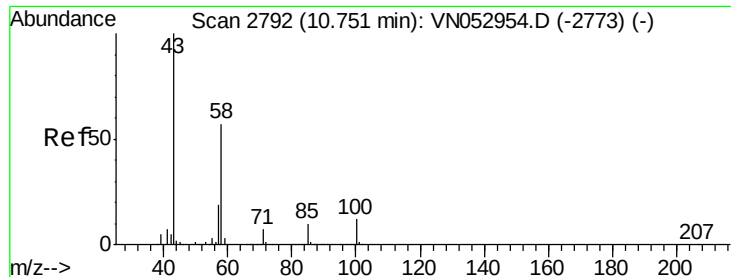
Tgt Ion: 63 Resp: 1968420

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6

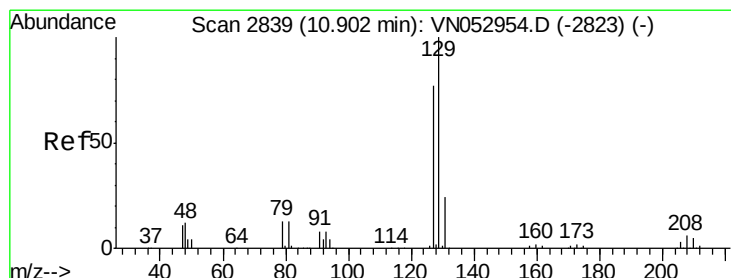
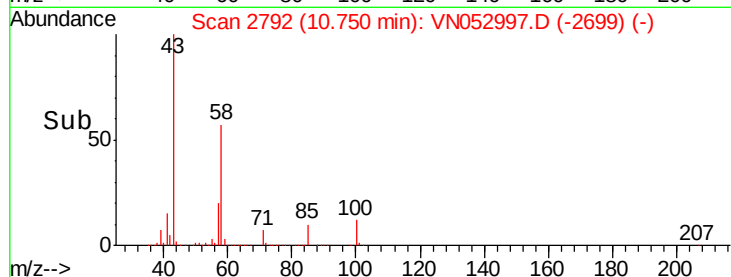
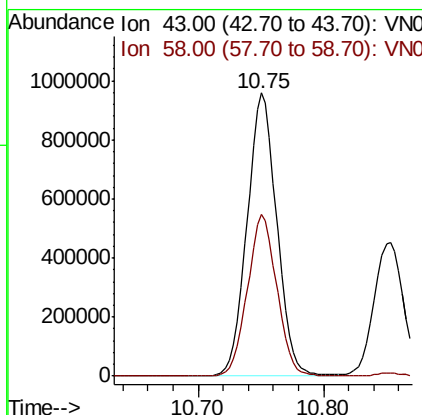
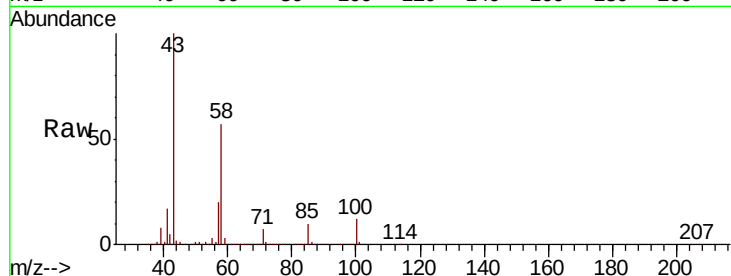




#59
2-Hexanone
Concen: 264.164 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

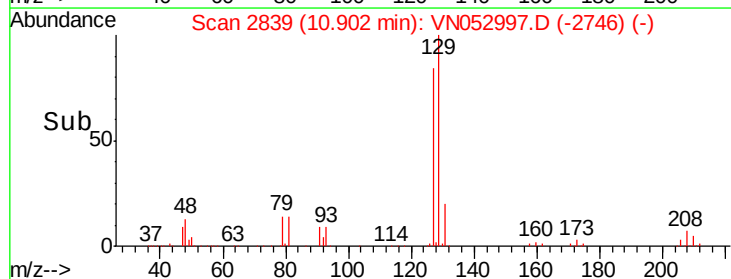
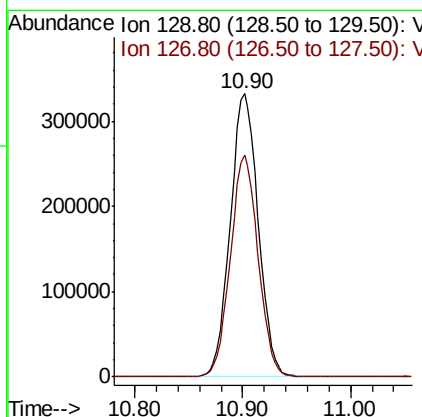
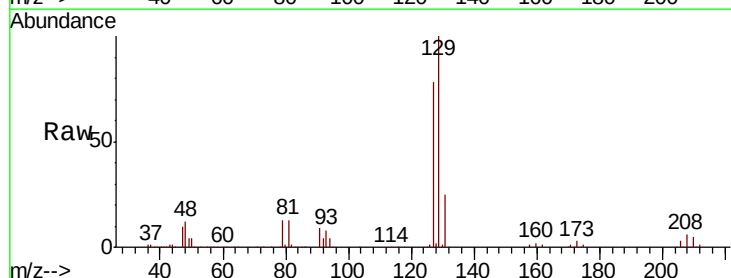
Instrument :
MSVOA_N
ClientSampled :

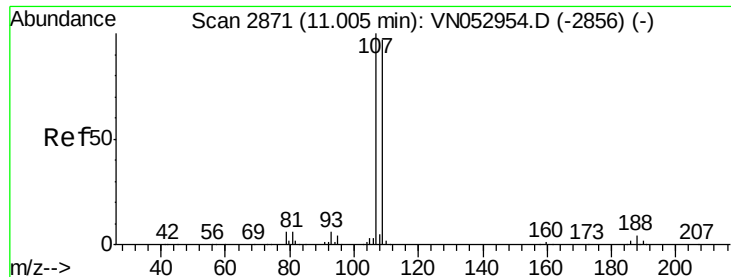
Tot Ion: 43 Resp: 1579291
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 49.992 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 129 Resp: 601595
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

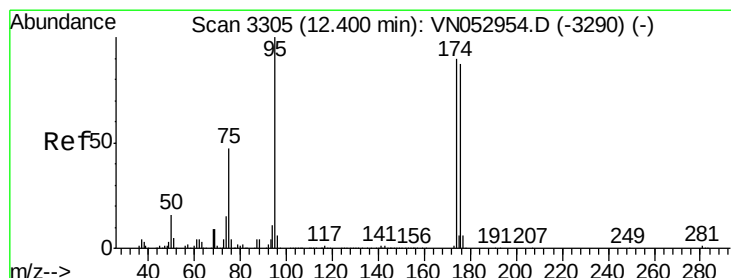
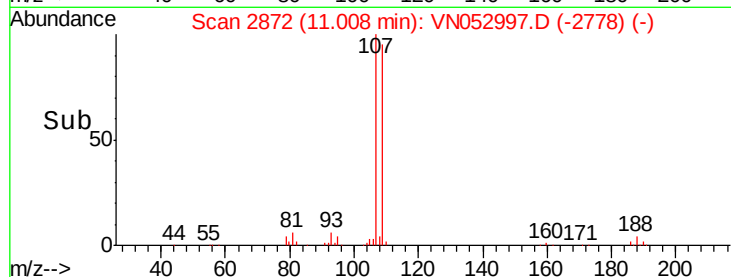
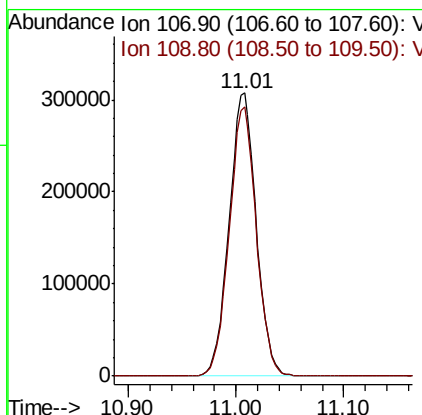
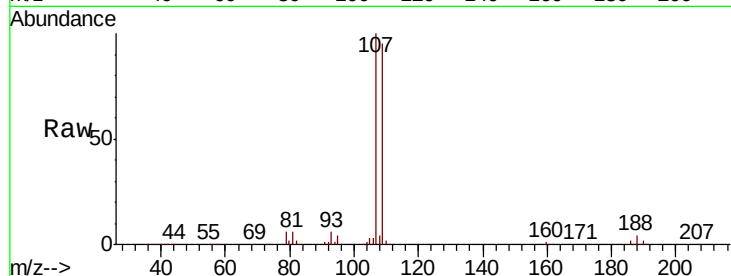




#61
1,2-Dibromoethane
Concen: 50.436 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

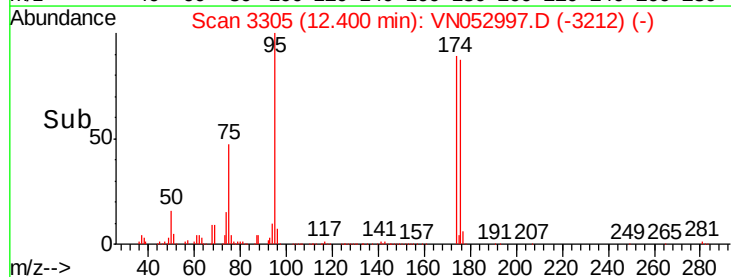
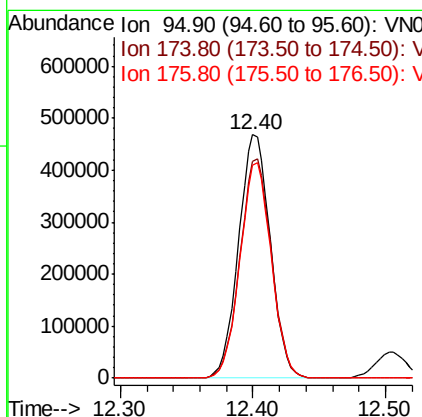
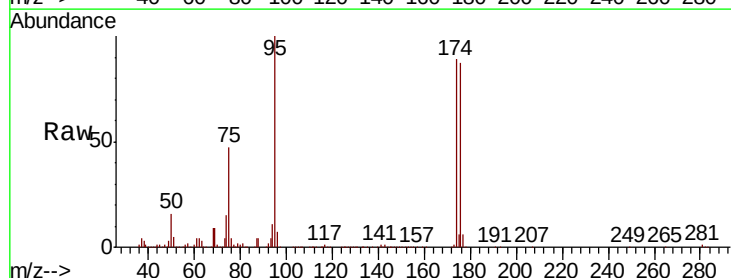
Instrument :
MSVOA_N
ClientSampleId :

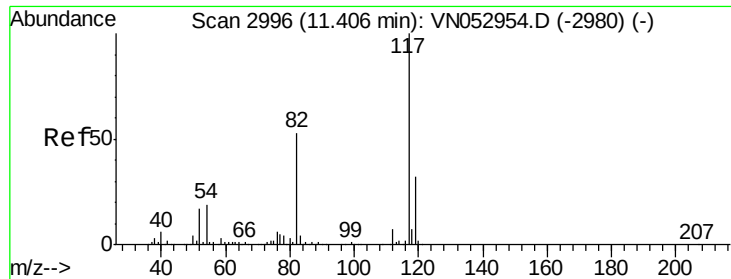
Tot Ion: 107 Resp: 538499
Ion Ratio Lower Upper
107 100
109 94.8 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 50.436 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 95 Resp: 775052
Ion Ratio Lower Upper
95 100
174 89.5 0.0 178.8
176 87.6 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: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampled :

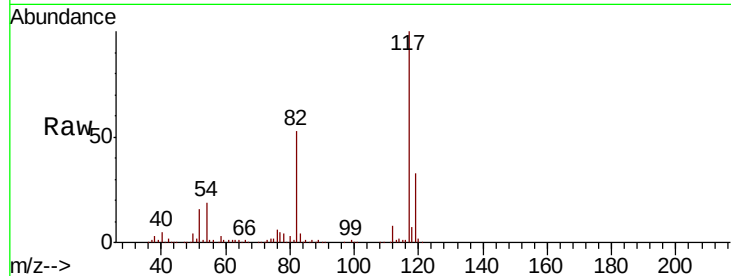
Tot Ion:117 Resp: 1533316

Ion Ratio Lower Upper

117 100

82 53.1 42.8 64.2

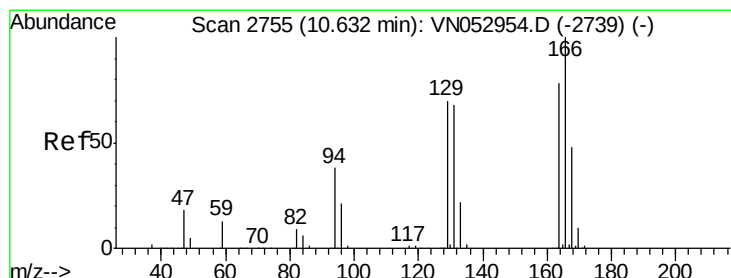
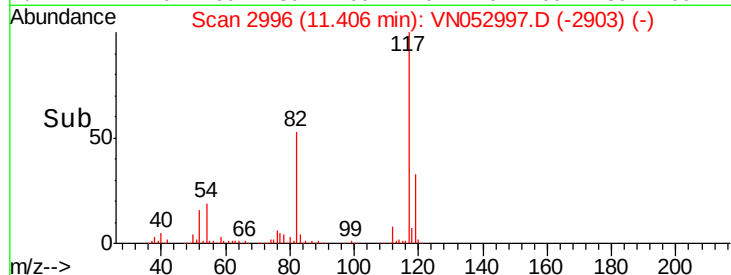
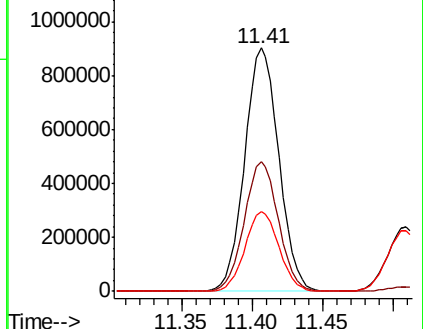
119 32.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 48.718 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Tgt Ion:164 Resp: 809163

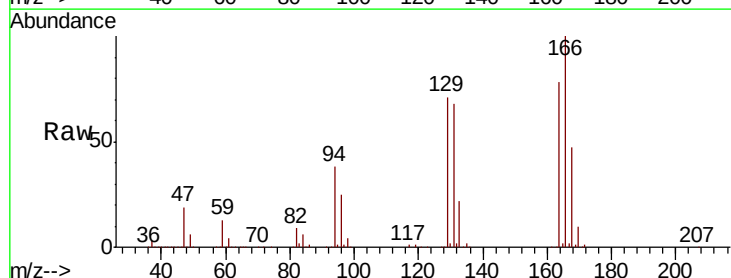
Ion Ratio Lower Upper

164 100

166 128.1 102.9 154.3

129 90.9 73.7 110.5

131 87.7 70.7 106.1

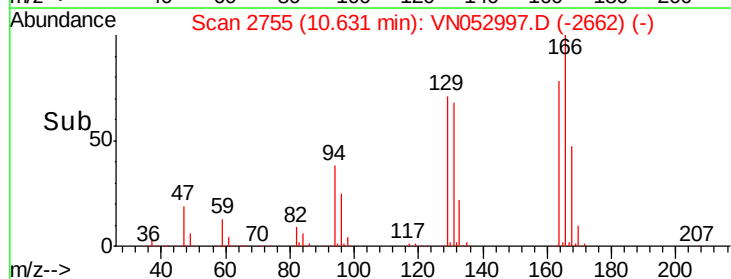
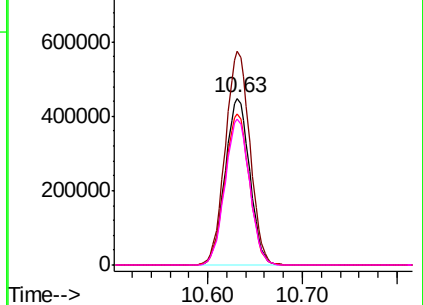


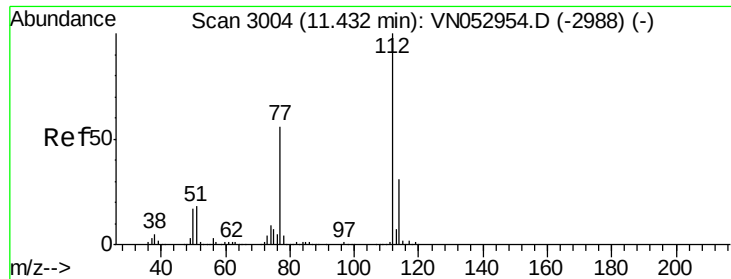
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

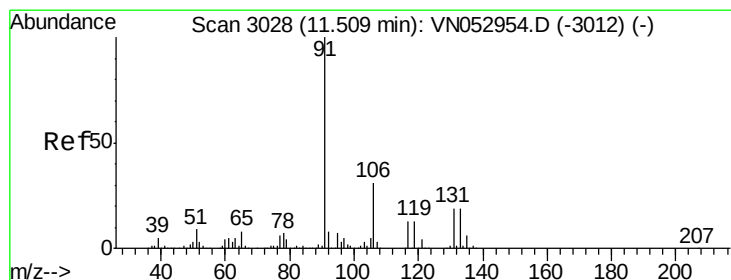
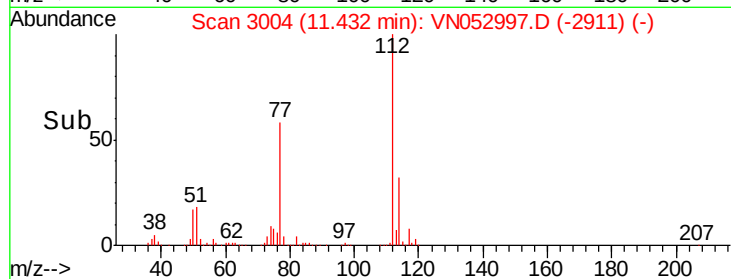
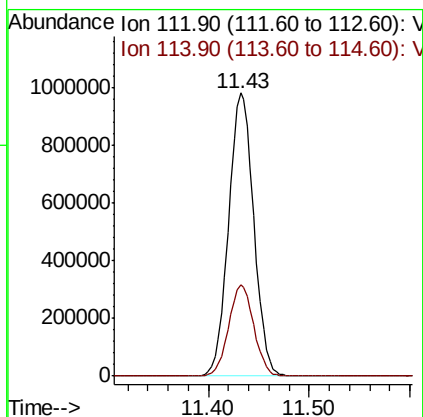
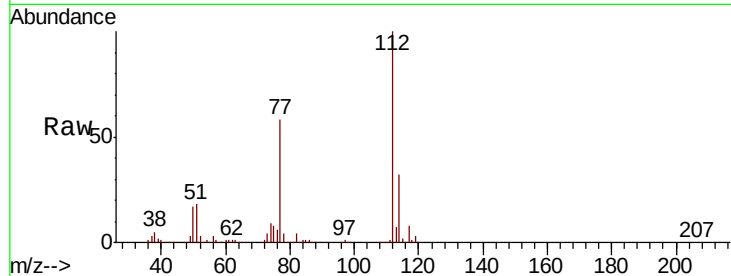




#65
Chlorobenzene
Concen: 50.075 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

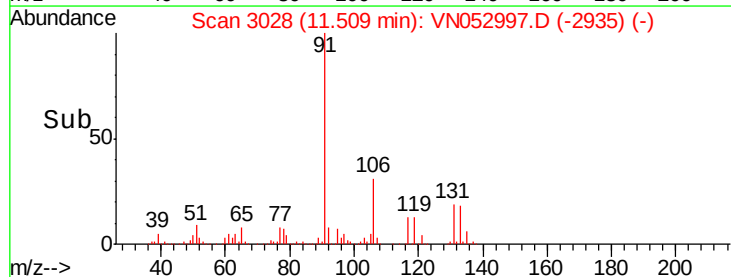
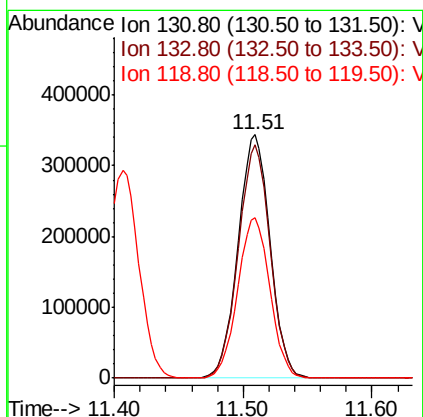
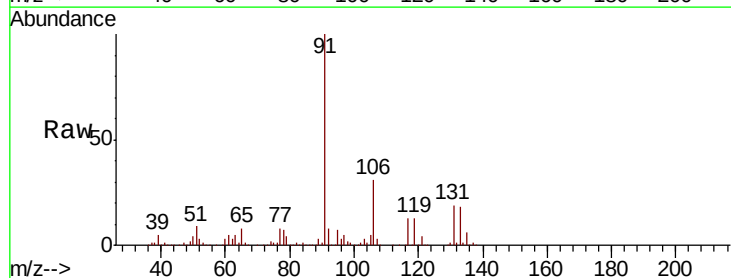
Instrument :
MSVOA_N
ClientSampled :

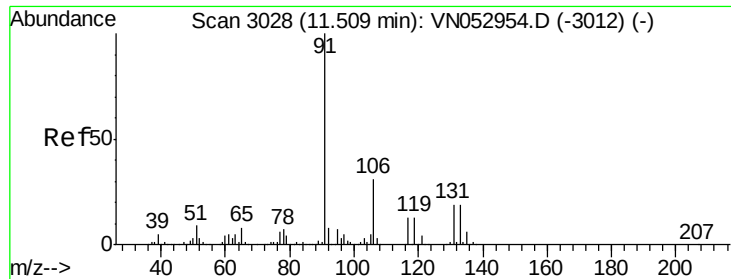
Tot Ion:112 Resp: 1702028
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.150 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion:131 Resp: 592757
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 66.4 33.3 99.8

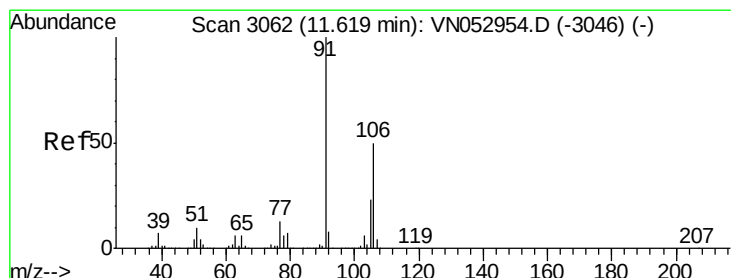
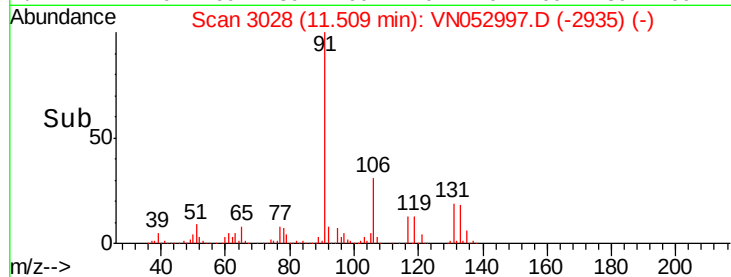
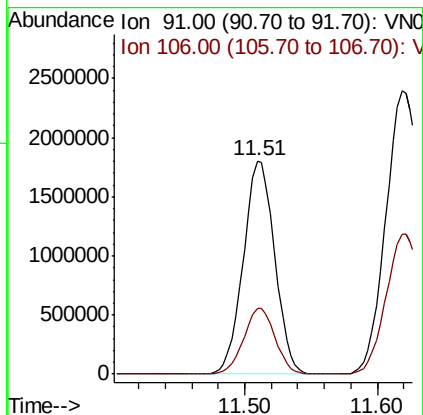
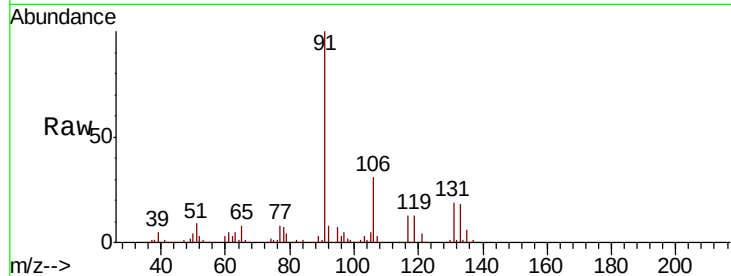




#67
Ethyl Benzene
Concen: 50.669 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

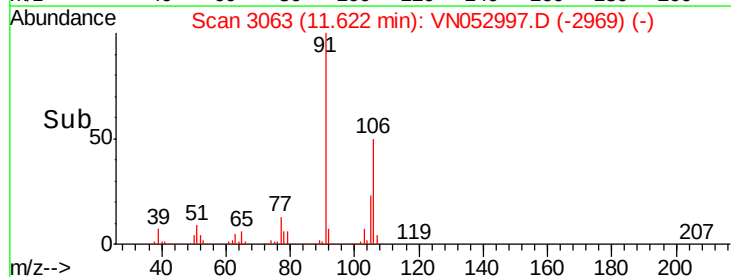
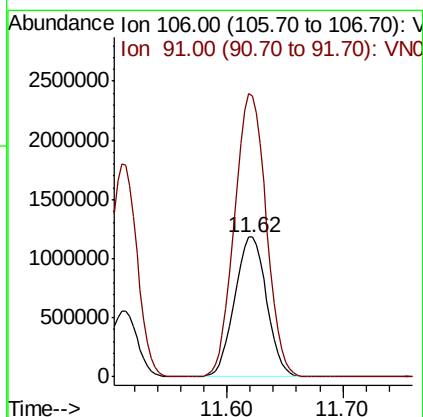
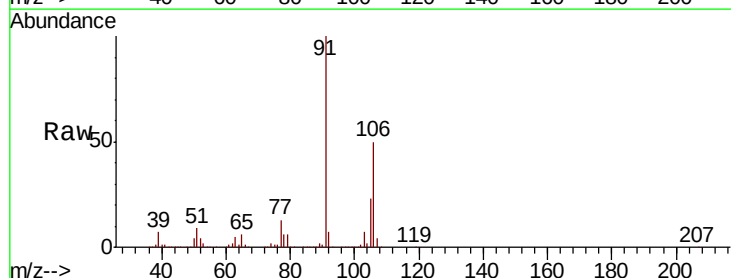
Instrument :
MSVOA_N
ClientSampled :

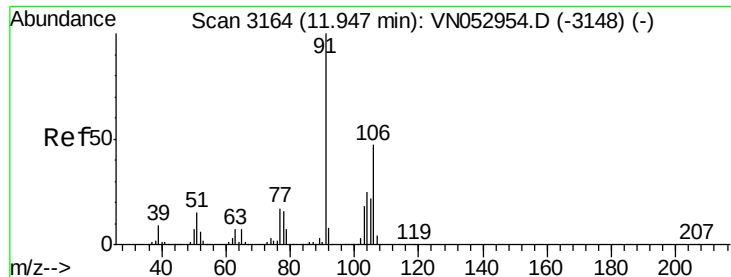
Tot Ion: 91 Resp: 2961716
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 101.325 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 106 Resp: 2251567
Ion Ratio Lower Upper
106 100
91 202.1 162.2 243.4

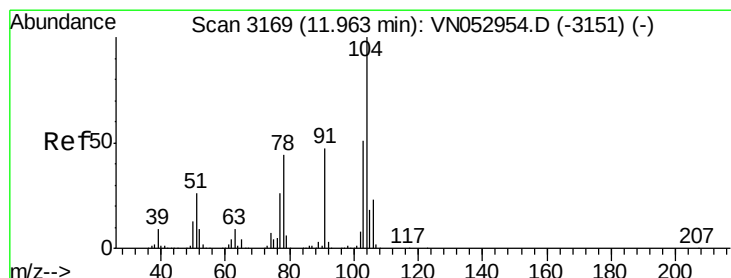
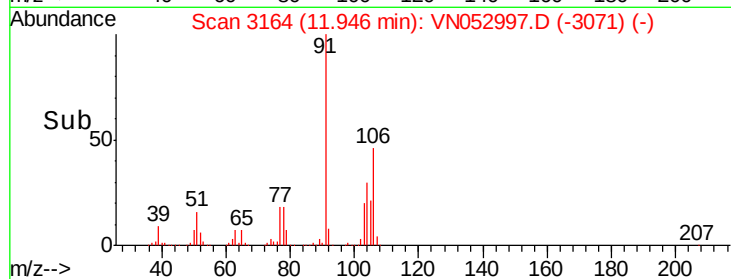
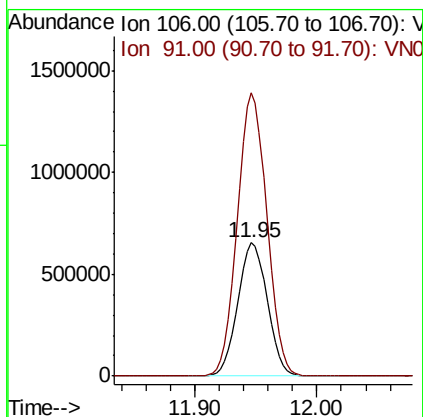
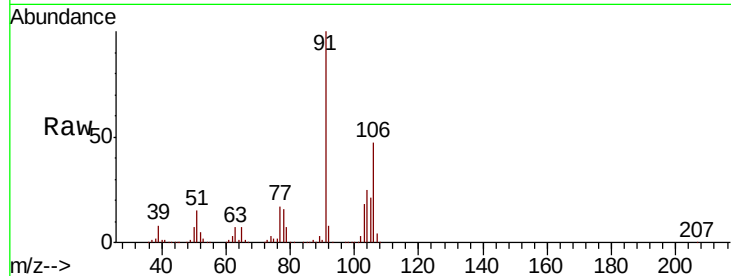




#69
o-Xylene
Concen: 51.027 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

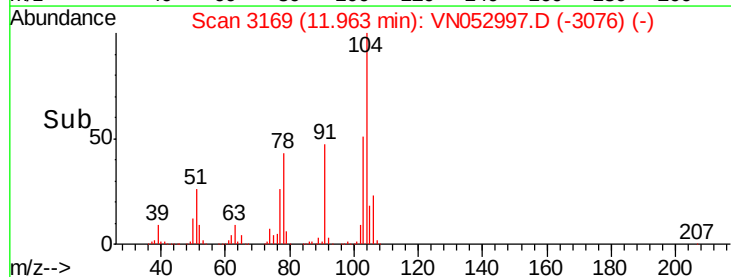
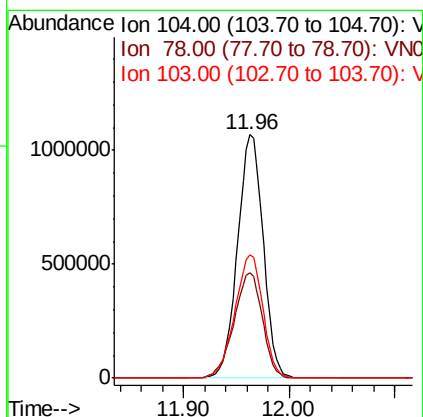
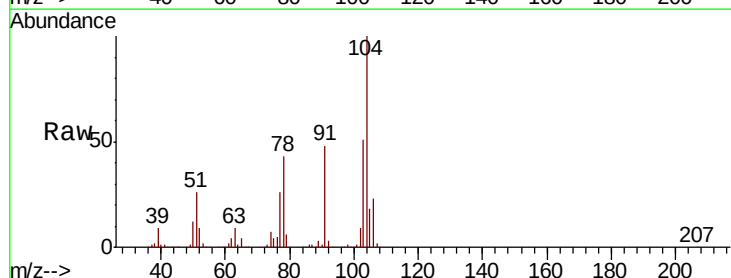
Instrument :
MSVOA_N
ClientSampled :

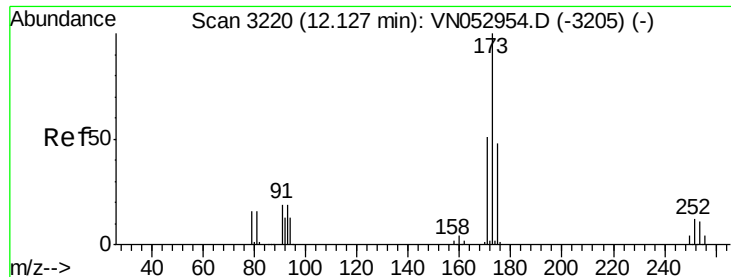
Tot Ion:106 Resp: 1088061
Ion Ratio Lower Upper
106 100
91 213.2 106.6 319.8



#70
Styrene
Concen: 51.648 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion:104 Resp: 1795782
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.4 44.3 66.5

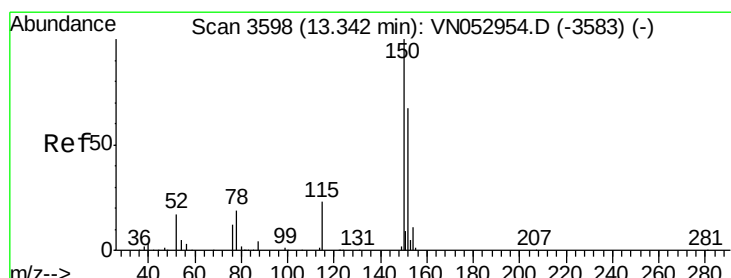
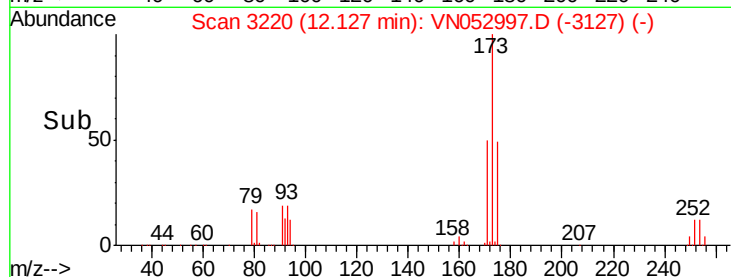
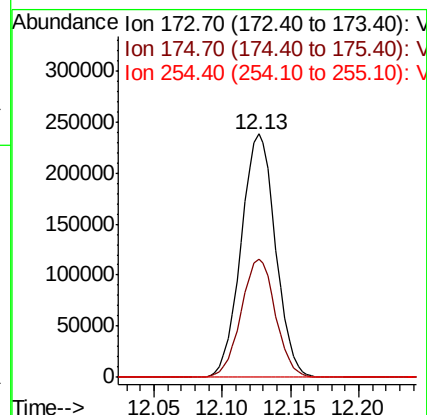
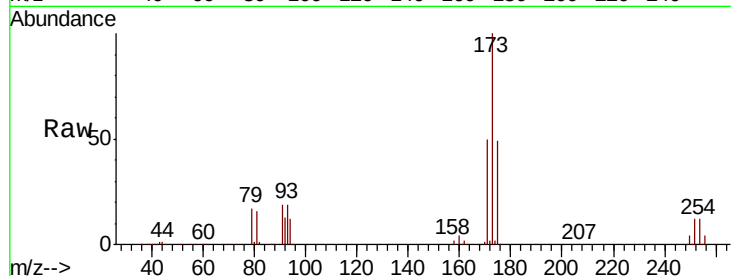




#71
Bromoform
Concen: 48.846 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

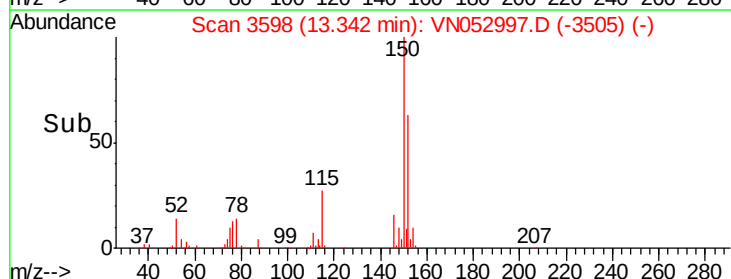
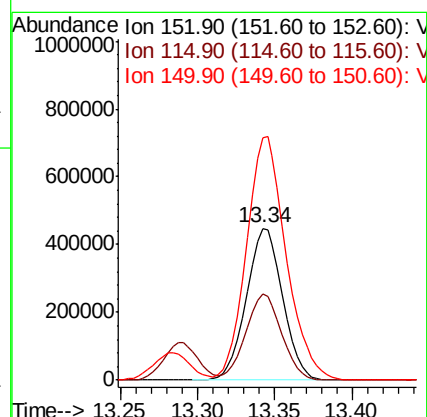
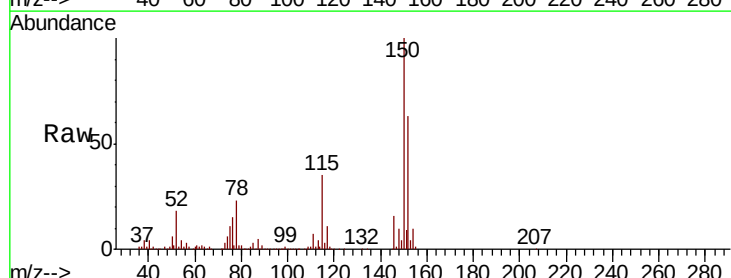
Instrument :
MSVOA_N
ClientSampled :

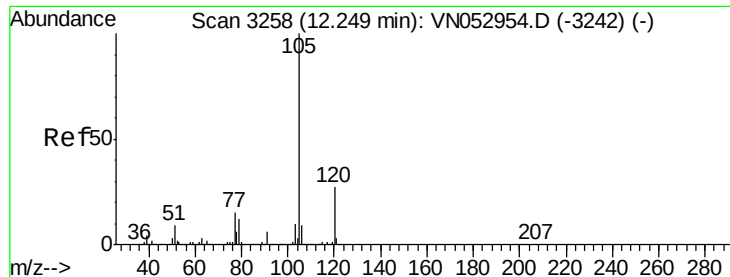
Tot Ion:173 Resp: 417082
Ion Ratio Lower Upper
173 100
175 48.3 24.3 72.9
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion:152 Resp: 727310
Ion Ratio Lower Upper
152 100
115 56.2 28.3 85.0
150 175.6 0.0 347.8





#73

Isopropylbenzene

Concen: 51.063 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

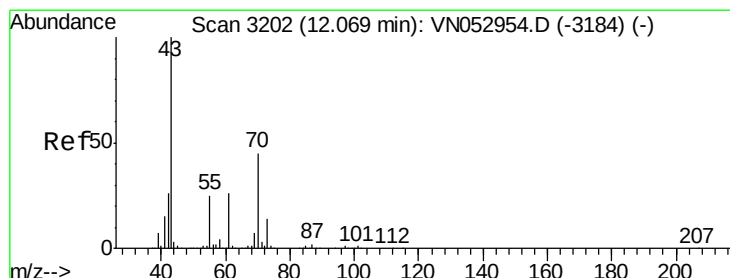
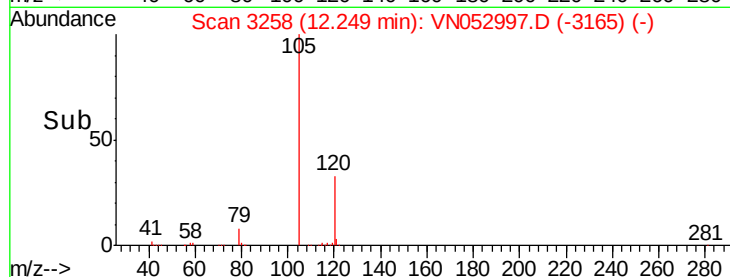
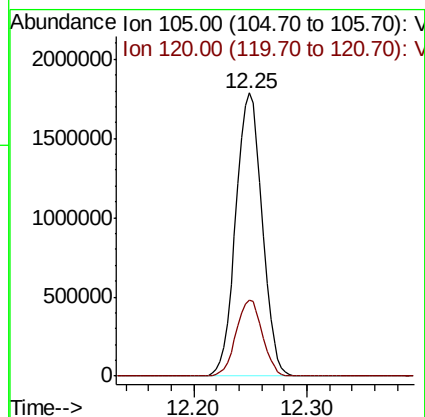
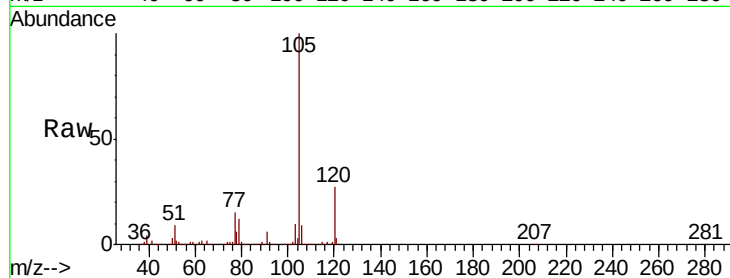
ClientSampleId :

Tot Ion:105 Resp: 2905756

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 51.256 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Tgt Ion: 43 Resp: 809790

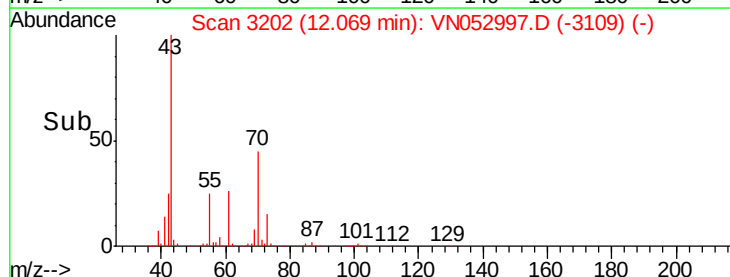
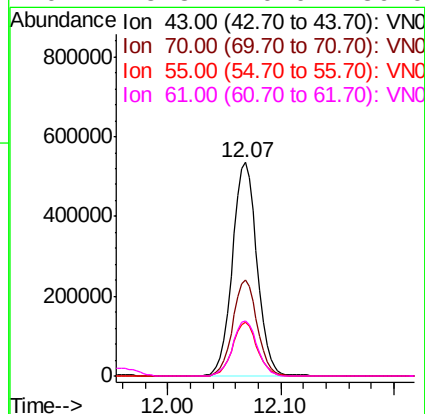
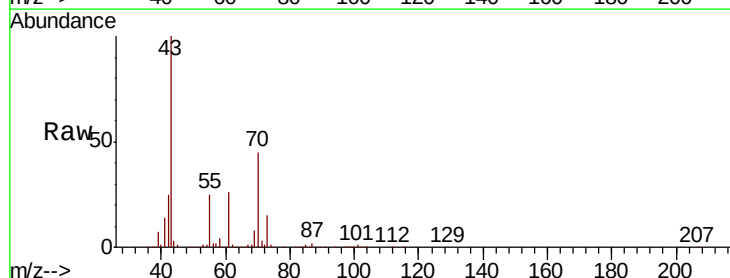
Ion Ratio Lower Upper

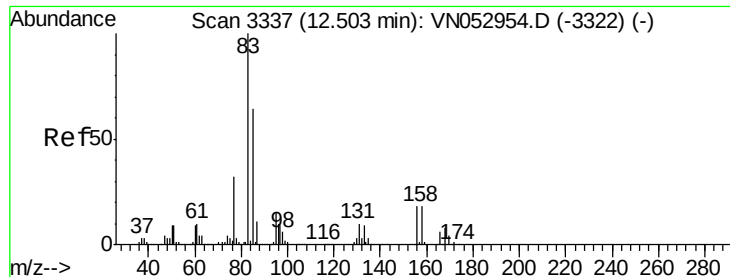
43 100

70 44.6 34.2 51.4

55 25.1 20.3 30.5

61 25.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.171 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

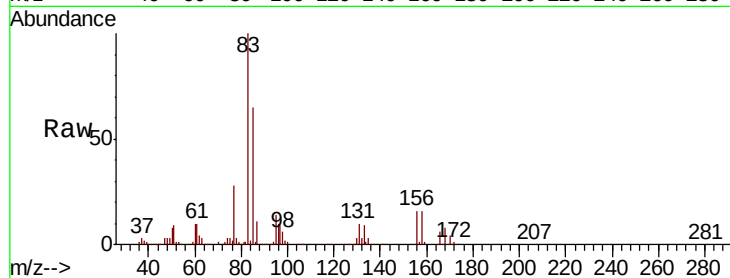
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 83 Resp: 571277

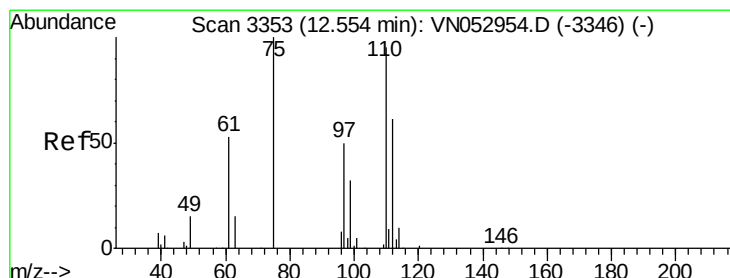
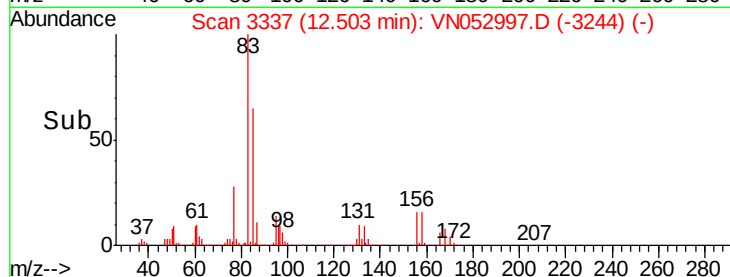
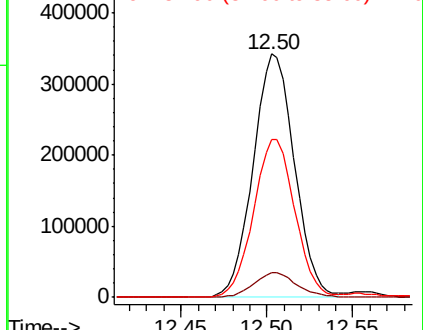
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.2	15.6
85	64.6	32.4	97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 66.958 ug/l

RT: 12.55 min Scan# 3353

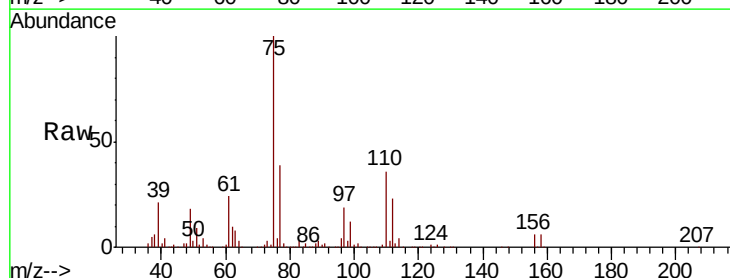
Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

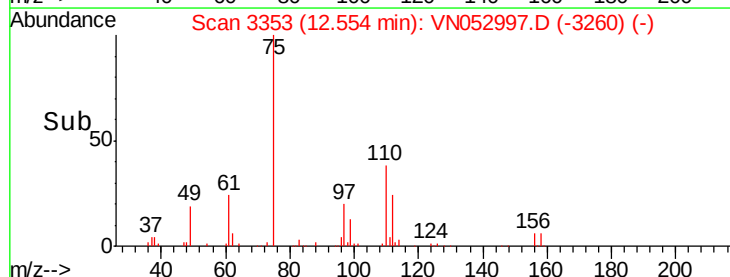
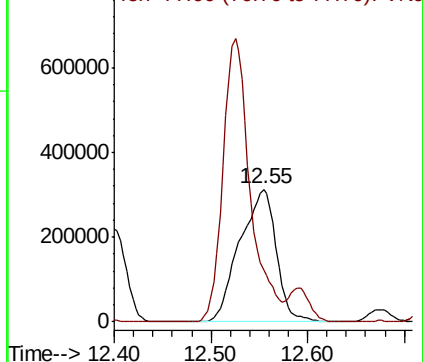
Tgt Ion: 75 Resp: 819801

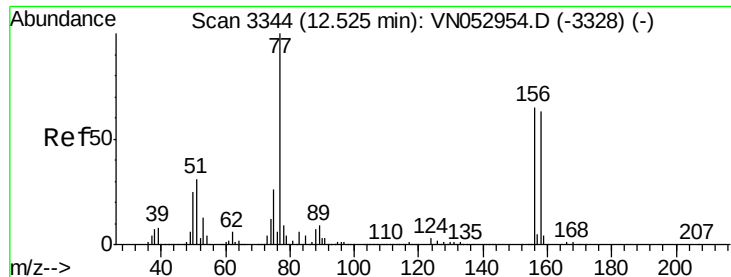
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.142 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052997.D

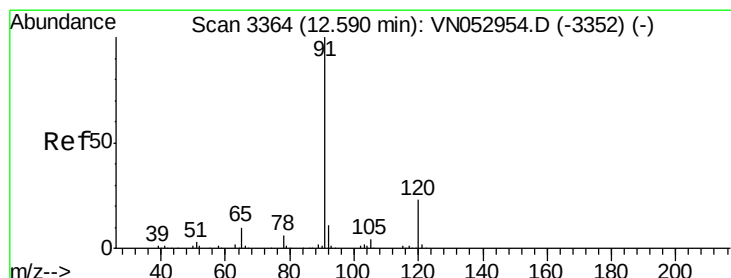
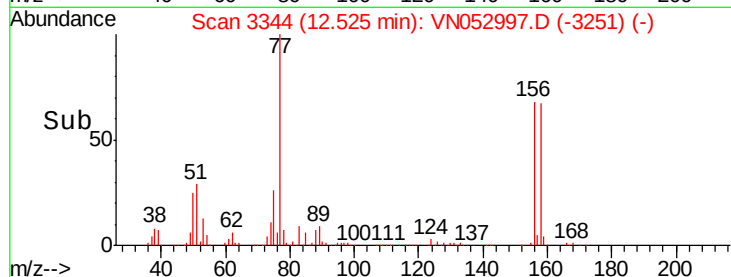
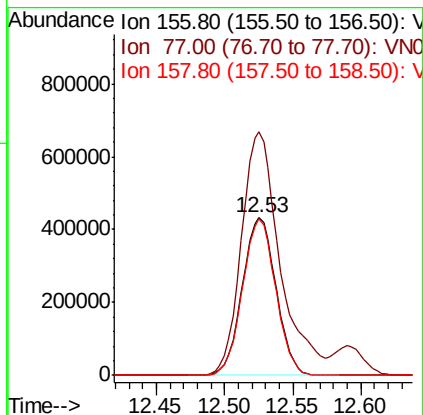
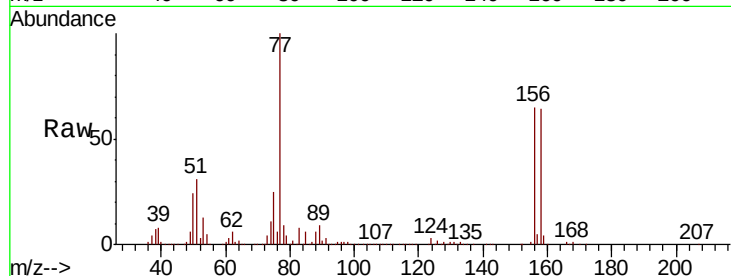
Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampled :

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.0	91.3	273.8
158	97.7	49.0	147.2



#78

n-propylbenzene

Concen: 51.557 ug/l

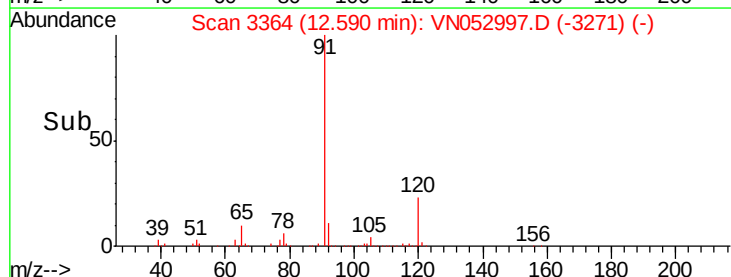
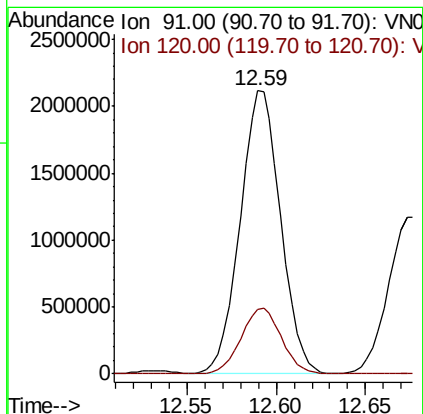
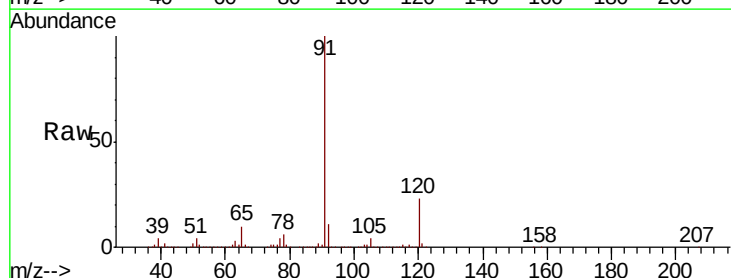
RT: 12.59 min Scan# 3364

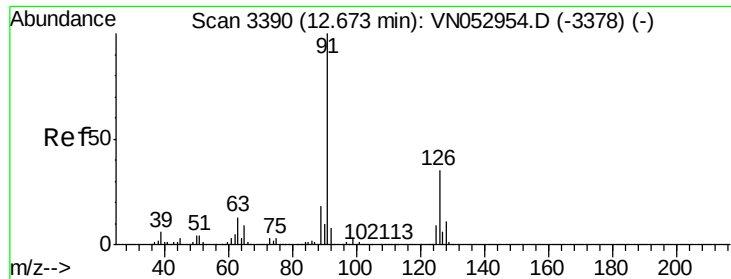
Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 48.113 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

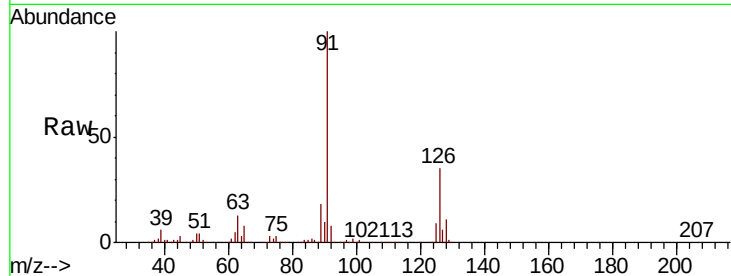
ClientSampled :

Tot Ion: 91 Resp: 1932805

Ion Ratio Lower Upper

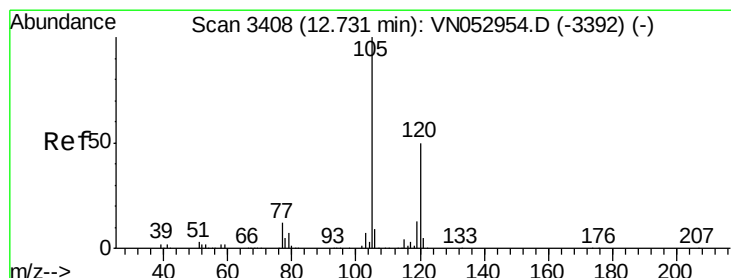
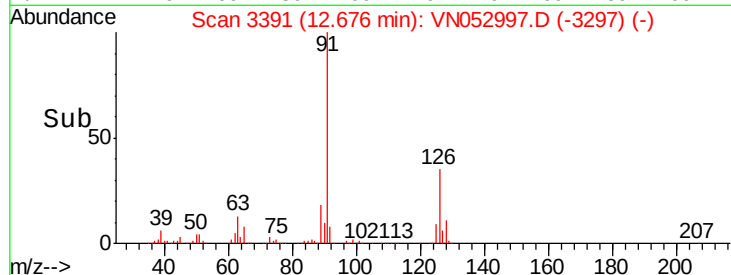
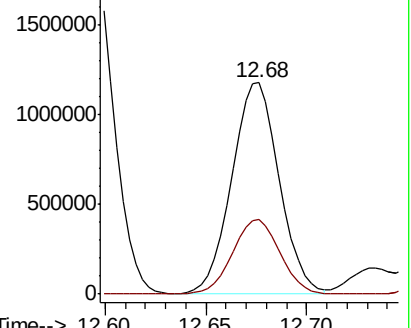
91 100

126 35.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052997.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052997.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.453 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052997.D

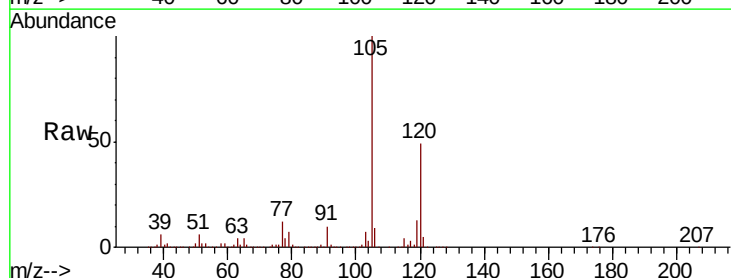
Acq: 19 Dec 2018 8:55

Tgt Ion:105 Resp: 2340180

Ion Ratio Lower Upper

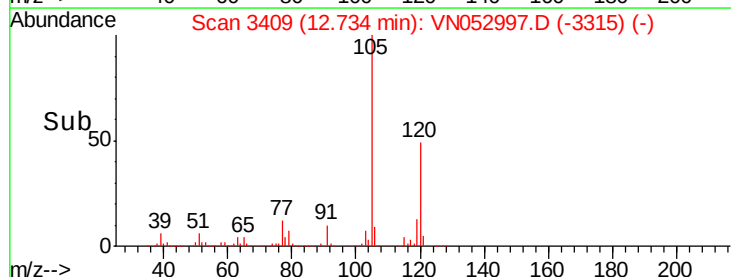
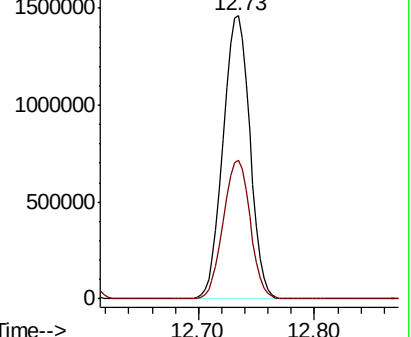
105 100

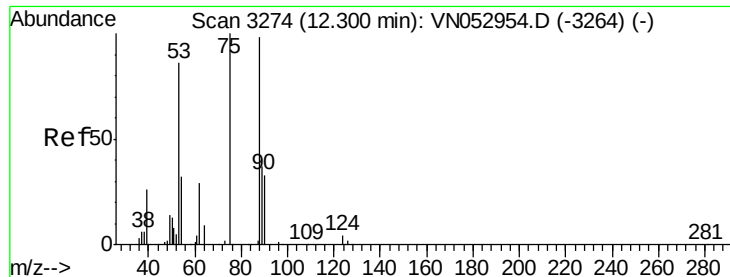
120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052997.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN052997.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.752 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampled :

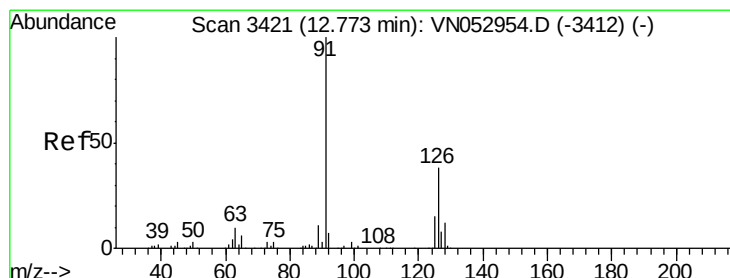
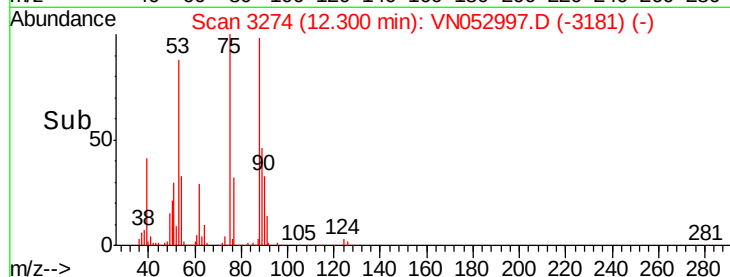
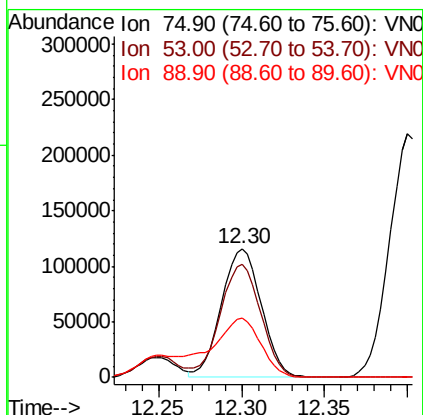
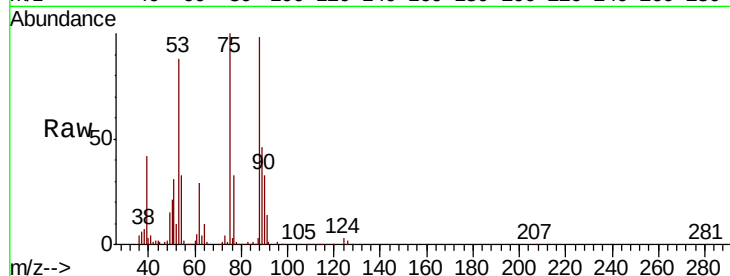
Tot Ion: 75 Resp: 192791

Ion Ratio Lower Upper

75 100

53 90.1 74.7 112.1

89 48.0 36.1 54.1



#82

4-Chlorotoluene

Concen: 50.566 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052997.D

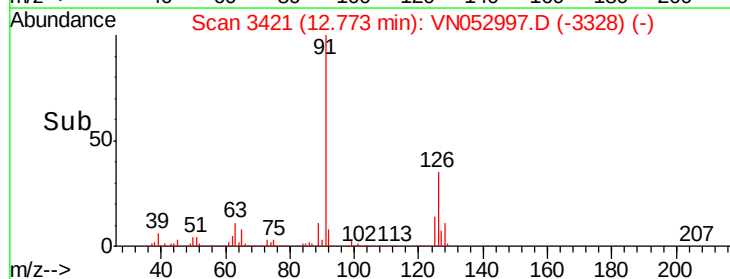
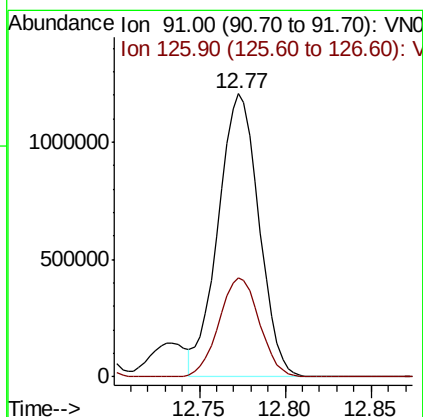
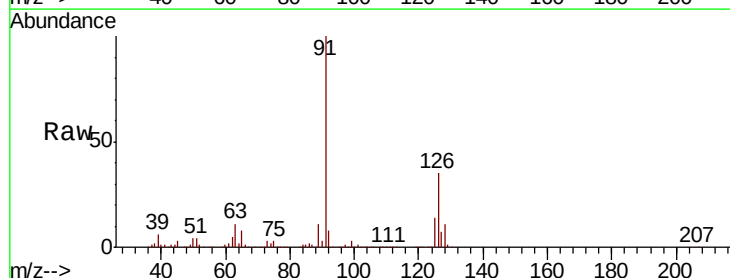
Acq: 19 Dec 2018 8:55

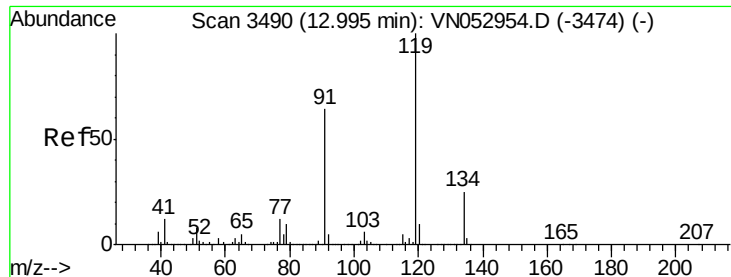
Tgt Ion: 91 Resp: 1988502

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.7

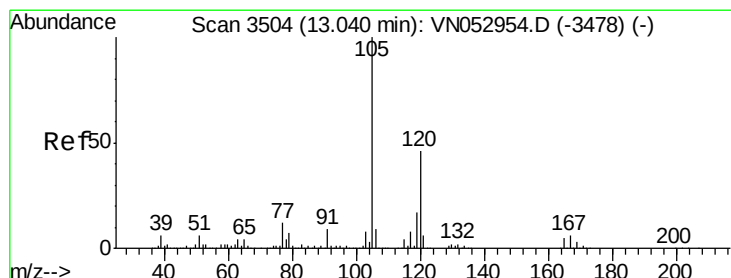
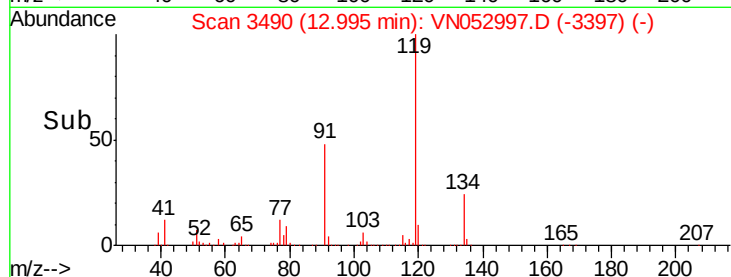
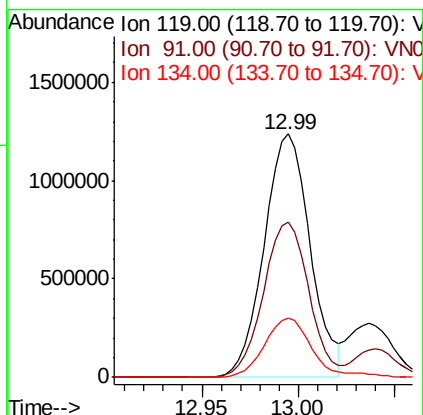
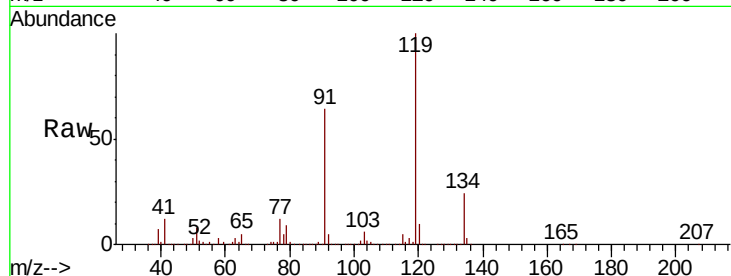




#83
 tert-Butylbenzene
 Concen: 49.885 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

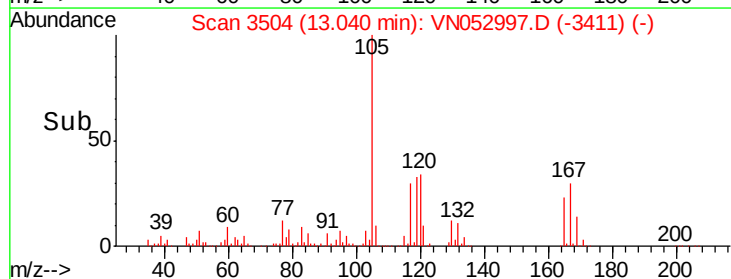
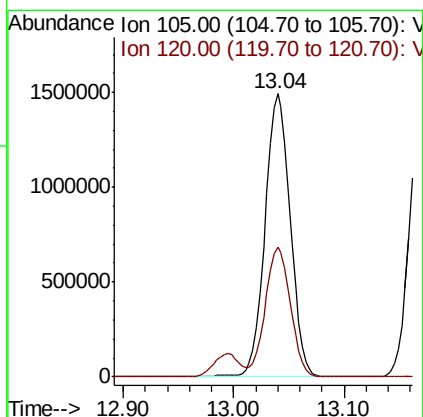
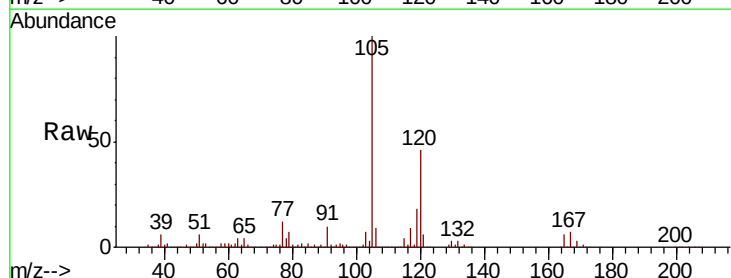
Instrument :
 MSVOA_N
 ClientSampled :

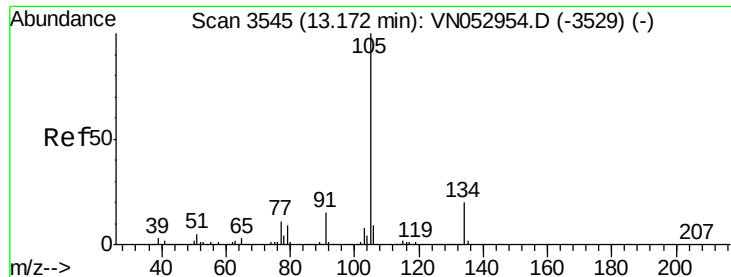
Tot Ion:119 Resp: 2046351
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.9 95.5
 134 25.3 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.633 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion:105 Resp: 2360893
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 50.279 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

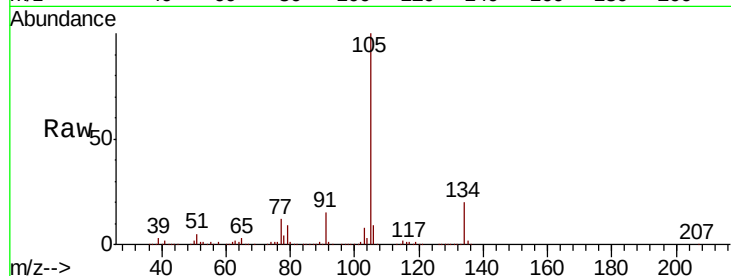
ClientSampleId :

Tot Ion:105 Resp: 2789772

Ion Ratio Lower Upper

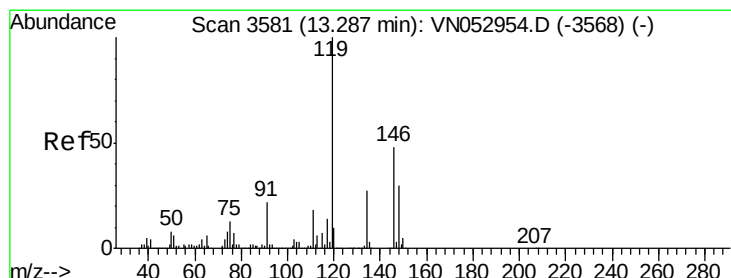
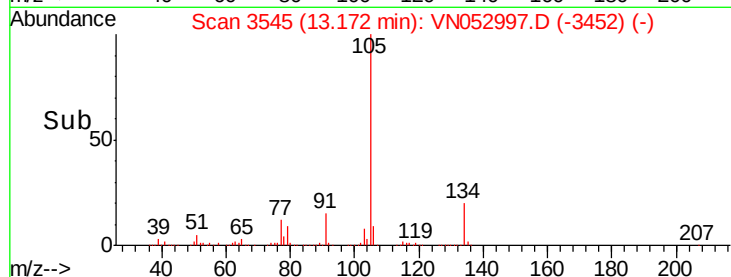
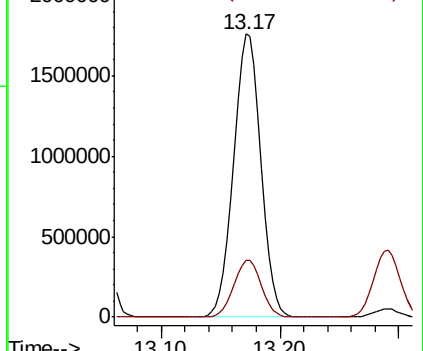
105 100

134 20.2 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: 50.481 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

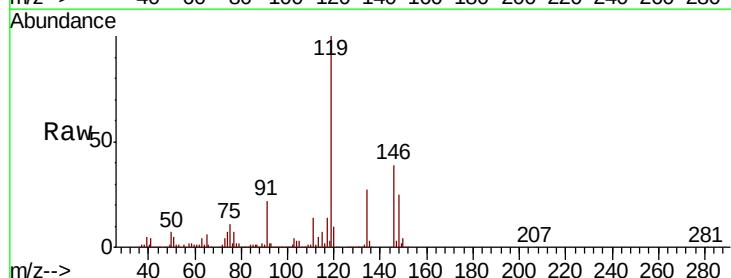
Tgt Ion:119 Resp: 2420289

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

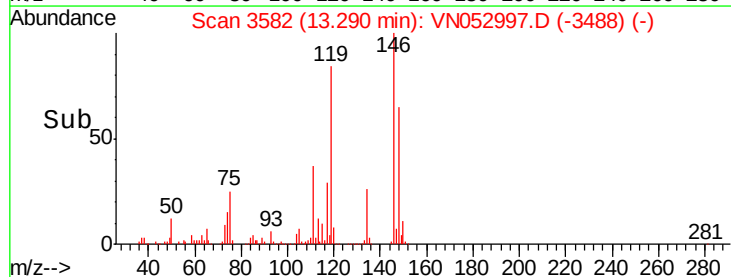
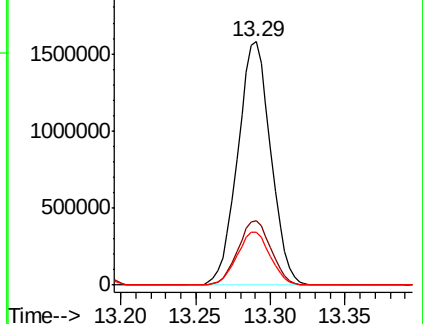
91 22.1 11.1 33.3

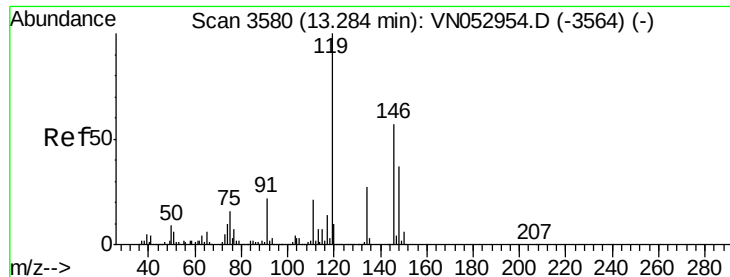


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



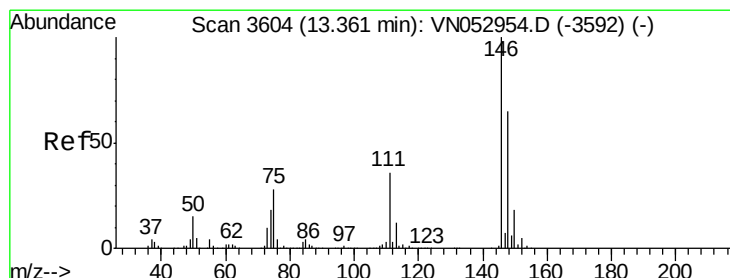
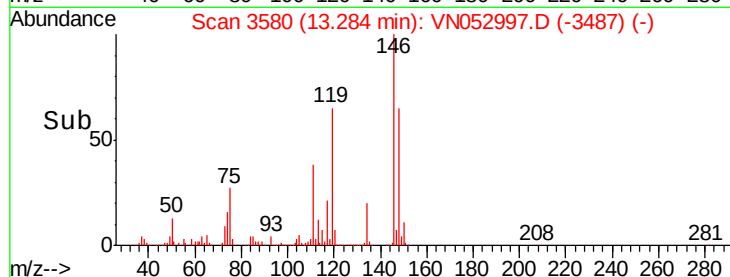
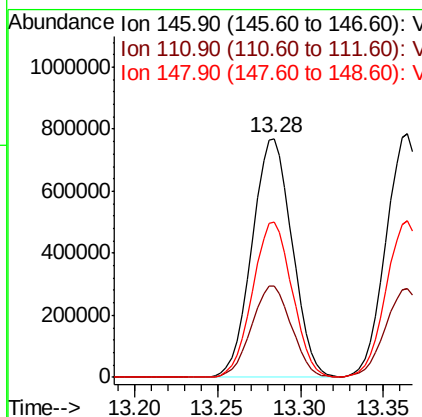
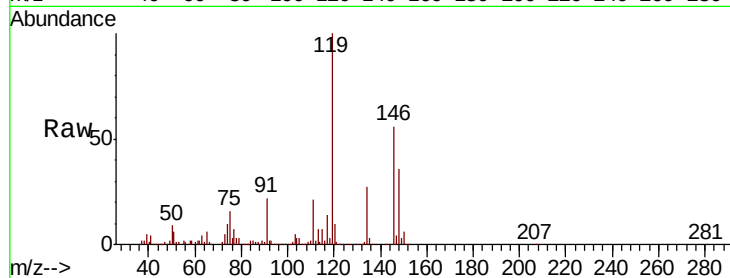


#87
 1,3-Dichlorobenzene
 Concen: 49.380 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 1292787

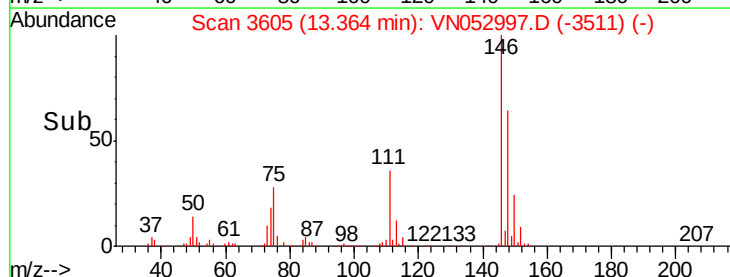
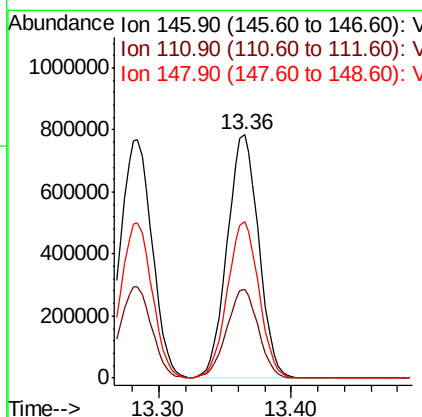
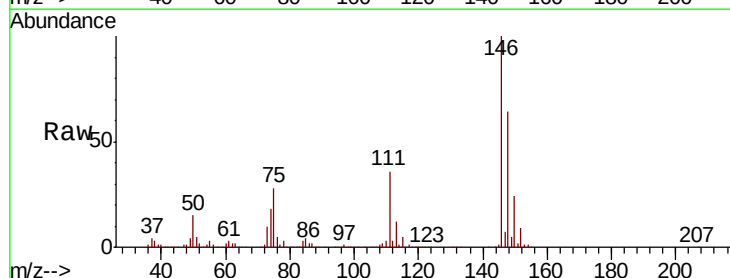
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.3	32.0	96.0

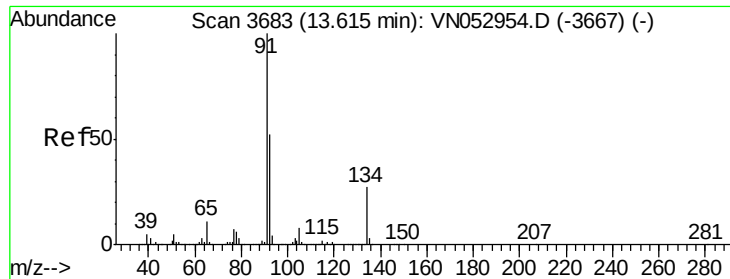


#88
 1,4-Dichlorobenzene
 Concen: 48.647 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion:146 Resp: 1289749

Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	64.3	32.1	96.5





#89

n-Butylbenzene

Concen: 49.755 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

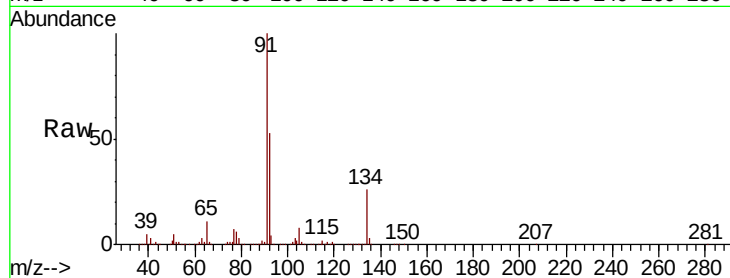
Tot Ion: 91 Resp: 2052248

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.9

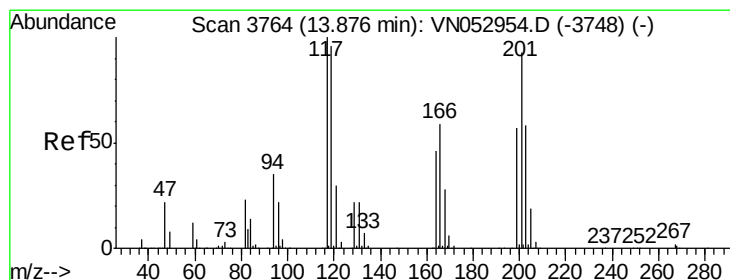
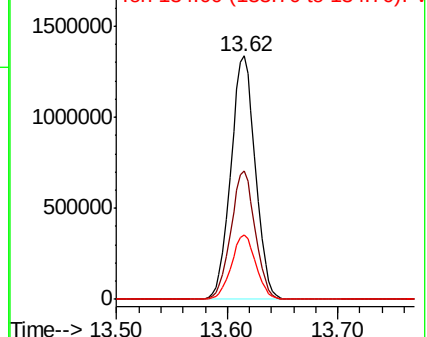
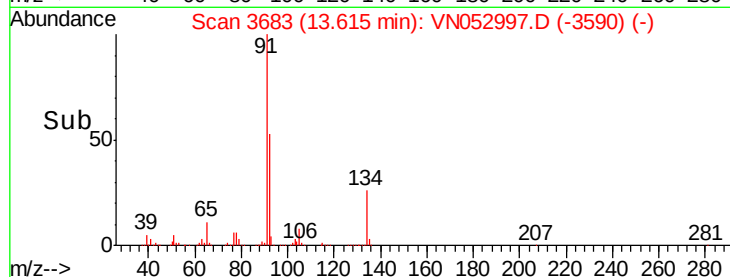
134 26.4 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052997.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052997.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052997.D (-3667) (-)



#90

Hexachloroethane

Concen: 50.326 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052997.D

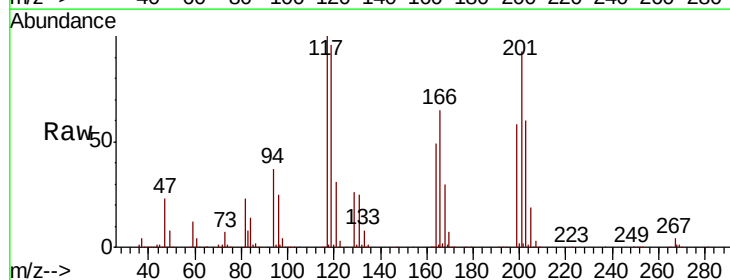
Acq: 19 Dec 2018 8:55

Tgt Ion: 117 Resp: 370268

Ion Ratio Lower Upper

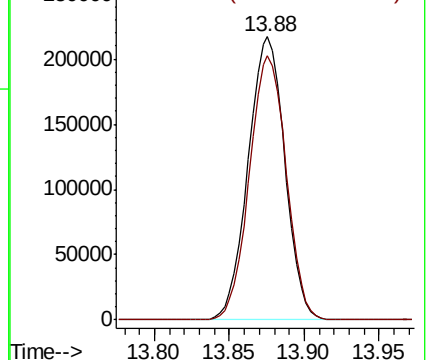
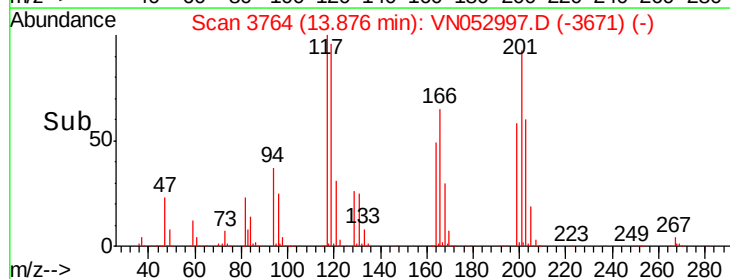
117 100

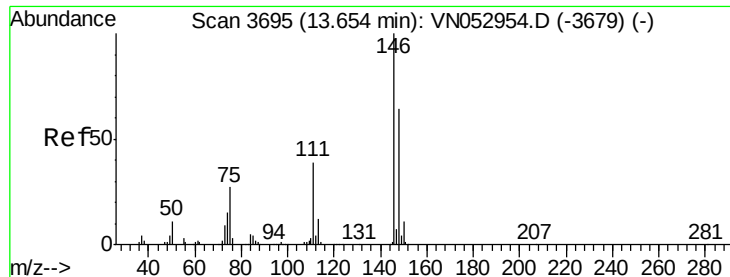
201 93.6 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052997.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052997.D (-3671) (-)

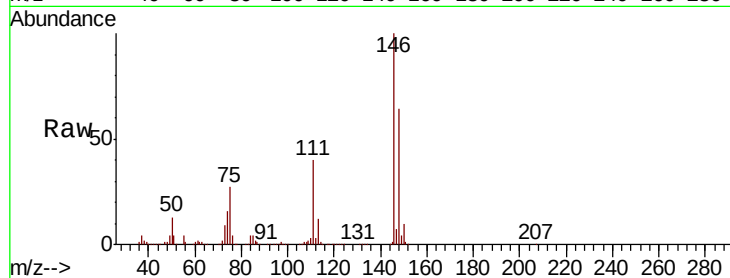




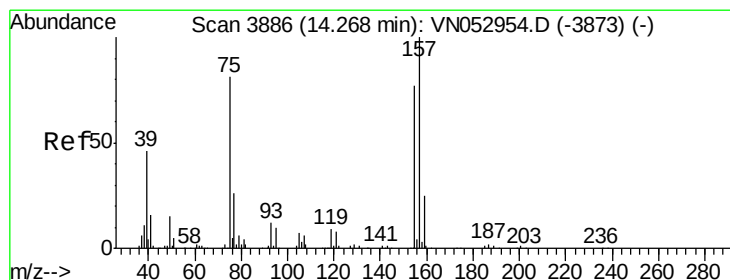
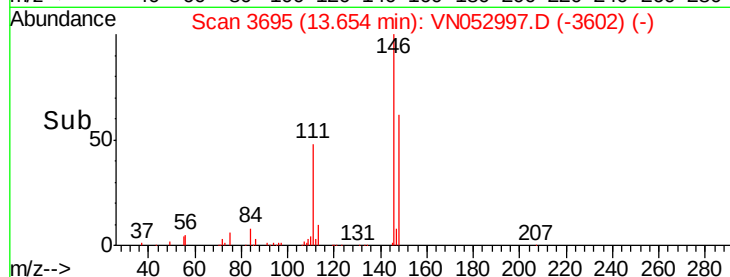
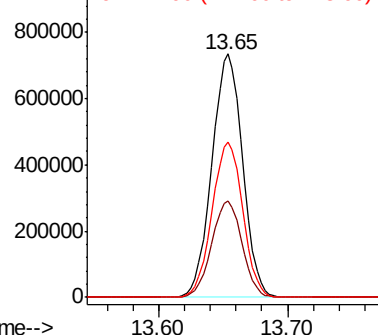
#91
 1,2-Dichlorobenzene
 Concen: 49.271 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1214028
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 63.9 32.0 96.0

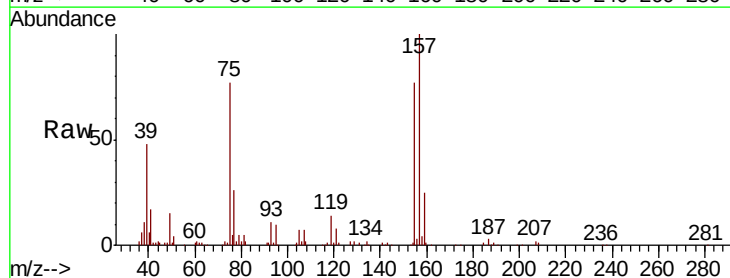


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

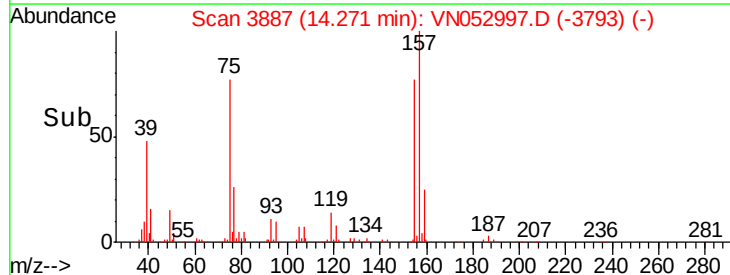
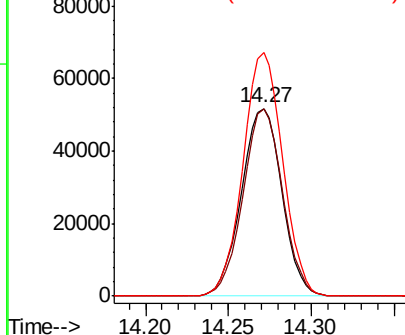


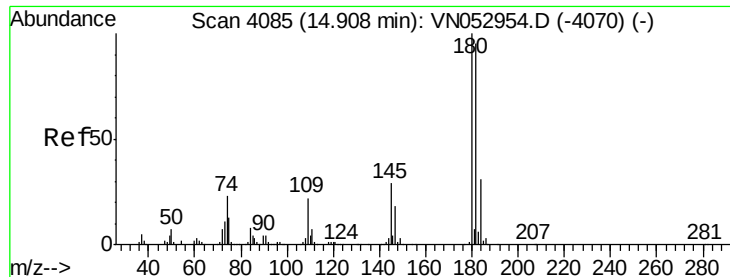
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.699 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 75 Resp: 88214
 Ion Ratio Lower Upper
 75 100
 155 97.4 48.2 144.6
 157 127.0 61.2 183.5



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

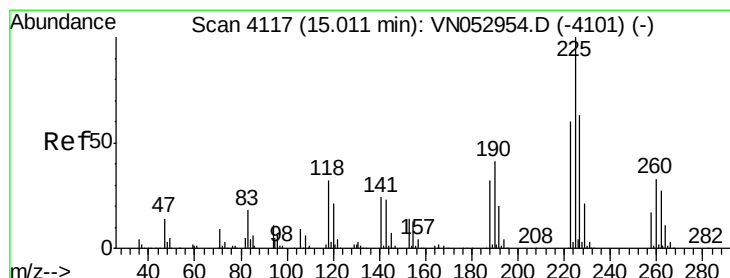
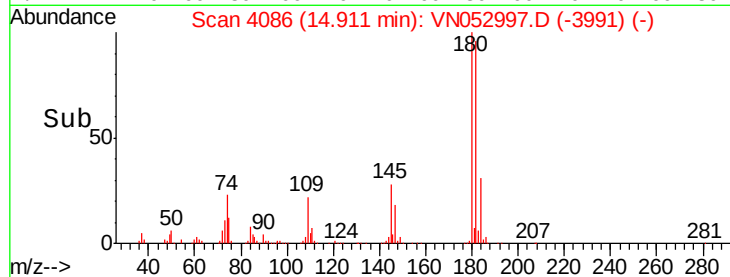
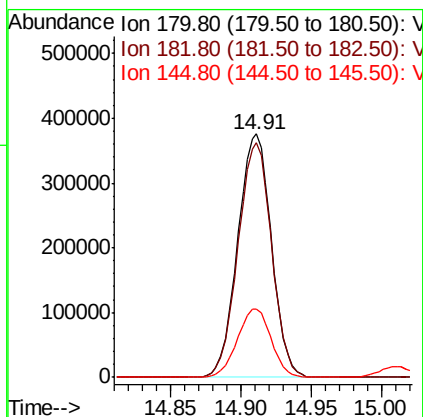
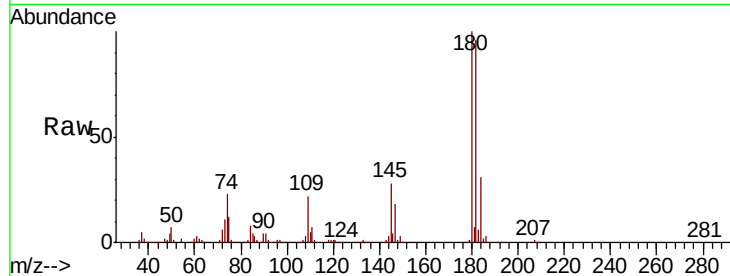




#93
 1,2,4-Trichlorobenzene
 Concen: 48.096 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

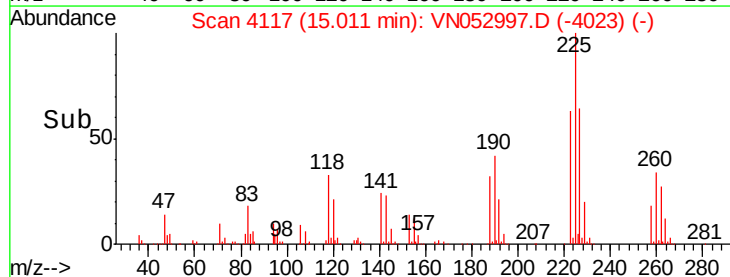
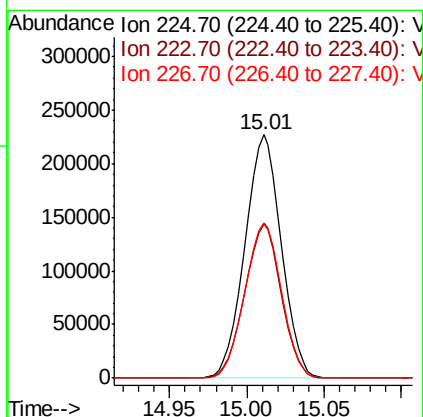
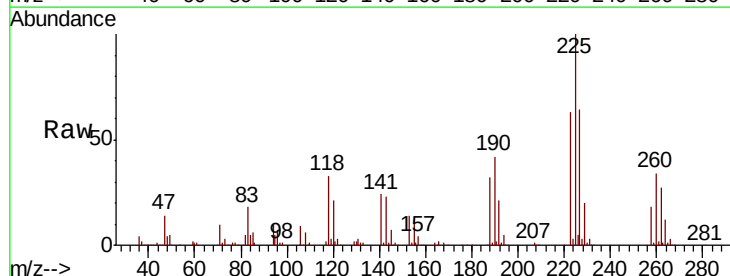
Instrument :
 MSVOA_N
 ClientSampled :

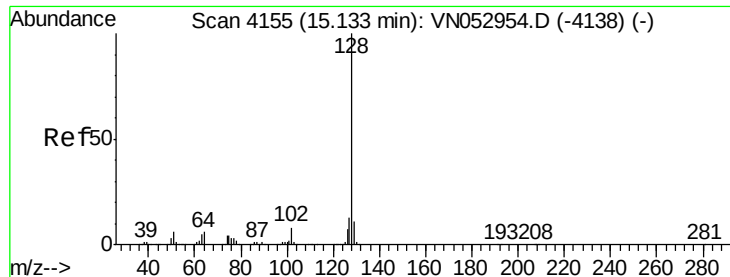
Tot Ion:180 Resp: 627556
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.8 143.3
 145 28.3 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 55.372 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion:225 Resp: 372179
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.5 94.5
 227 64.3 31.9 95.7





#95

Naphthalene

Concen: 45.115 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

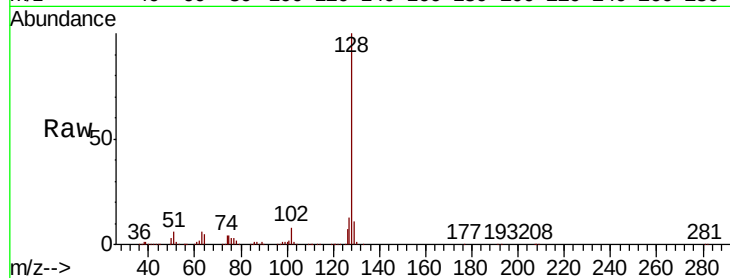
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1286845

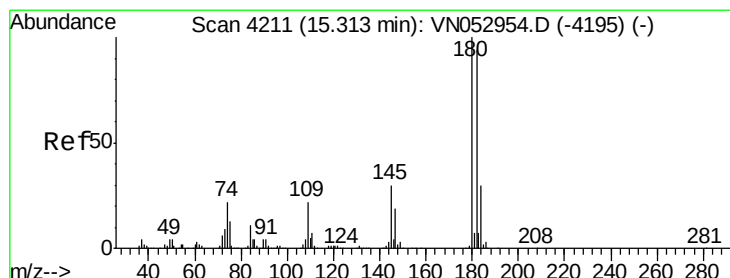
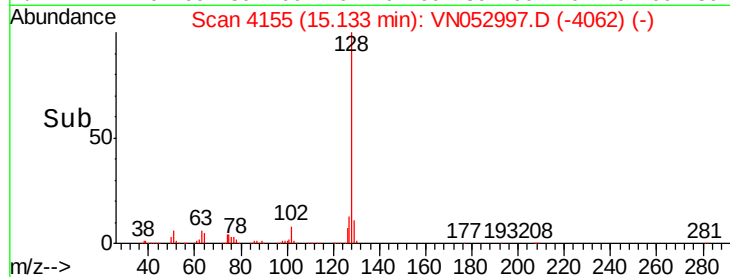
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0



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: 46.972 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Tgt Ion:180 Resp: 551810

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	30.2	15.0	45.0

