

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
 Data File : VN052055.D
 Acq On : 30 Oct 2018 9:25
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 31 02:24:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:21:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	234937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	439191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	395861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147275	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	25851	6.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.98%	
35) Dibromofluoromethane	7.59	113	16735	6.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.72%	
50) Toluene-d8	10.09	98	70152	6.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.10%	
62) 4-Bromofluorobenzene	12.40	95	27997	7.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	14.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	2445	0.902 ug/l	93
3) Chloromethane	2.06	50	3178	0.934 ug/l	94
4) Vinyl Chloride	2.18	62	3576	0.951 ug/l #	86
5) Bromomethane	2.57	94	3322	1.095 ug/l	95
6) Chloroethane	2.71	64	2395	0.982 ug/l #	86
7) Trichlorofluoromethane	3.02	101	4020	0.947 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	2211	0.914 ug/l #	85
10) Methyl Iodide	3.96	142	2619	0.755 ug/l #	89
11) Tert butyl alcohol	4.77	59	237	1.413 ug/l #	85
12) 1,1-Dichloroethene	3.75	96	2099	0.913 ug/l	89
13) Acrolein	3.60	56	788	4.379 ug/l #	77
14) Allyl chloride	4.33	41	2396	0.511 ug/l #	55
15) Acrylonitrile	4.98	53	2039	2.038 ug/l #	65
16) Acetone	3.81	43	2189	2.655 ug/l #	85
17) Carbon Disulfide	4.06	76	7199	0.962 ug/l #	84
18) Methyl Acetate	4.33	43	2796	1.092 ug/l #	82
19) Methyl tert-butyl Ether	5.04	73	5341	0.694 ug/l	100
20) Methylene Chloride	4.56	84	2575	0.908 ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	2338	0.896 ug/l #	59
22) Diisopropyl ether	5.95	45	10088	0.963 ug/l #	95
23) Vinyl Acetate	5.90	43	30672	4.429 ug/l	100
24) 1,1-Dichloroethane	5.85	63	5551	0.963 ug/l #	83
25) 2-Butanone	6.85	43	5312	4.563 ug/l #	51
26) 2,2-Dichloropropane	6.83	77	2979	0.633 ug/l #	65
27) cis-1,2-Dichloroethene	6.82	96	1854	0.573 ug/l	69
28) Bromochloromethane	7.20	49	2976	0.943 ug/l #	35
29) Tetrahydrofuran	7.21	42	3695	4.448 ug/l #	53
30) Chloroform	7.37	83	5742	0.976 ug/l	100
31) Cyclohexane	7.67	56	12568	1.374 ug/l #	58
32) 1,1,1-Trichloroethane	7.57	97	4006	0.896 ug/l #	37
36) 1,1-Dichloropropene	7.80	75	4257	0.976 ug/l #	62
37) Ethyl Acetate	6.93	43	2487	0.957 ug/l #	81
38) Carbon Tetrachloride	7.78	117	3272	0.904 ug/l	98
39) Methylcyclohexane	9.09	83	4887	0.939 ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.04	78	11533	0.935	ug/l	98
41) Methacrylonitrile	7.16	41	350	0.351	ug/l #	1
42) 1,2-Dichloroethane	8.13	62	5202	1.062	ug/l	89
43) Isopropyl Acetate	8.16	43	4687	0.931	ug/l #	80
44) Trichloroethene	8.83	130	2486	0.915	ug/l	93
45) 1,2-Dichloropropane	9.12	63	3861	1.034	ug/l	97
46) Dibromomethane	9.21	93	1024	0.538	ug/l #	41
47) Bromodichloromethane	9.40	83	3452	0.868	ug/l #	76
48) Methyl methacrylate	9.21	41	2364	0.929	ug/l	97
49) 1,4-Dioxane	9.21	88	76	6.018	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	12551	4.600	ug/l	95
52) Toluene	10.15	92	6785	0.916	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	3812	0.895	ug/l	91
54) cis-1,3-Dichloropropene	9.84	75	3924	0.850	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	2452	0.925	ug/l	92
56) Ethyl methacrylate	10.43	69	3666	0.946	ug/l	98
57) 1,3-Dichloropropane	10.70	76	4586	0.941	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	8998	4.531	ug/l	99
59) 2-Hexanone	10.75	43	9280	4.736	ug/l	90
60) Dibromochloromethane	10.90	129	2130	0.846	ug/l	97
61) 1,2-Dibromoethane	11.01	107	2406	0.915	ug/l	92
64) Tetrachloroethene	10.63	164	2183	0.959	ug/l #	88
65) Chlorobenzene	11.43	112	7784	0.959	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.50	131	2161	0.873	ug/l #	61
67) Ethyl Benzene	11.51	91	12894	0.907	ug/l	93
68) m/p-Xylenes	11.62	106	8281	1.678	ug/l	89
69) o-Xylene	11.95	106	3951	0.821	ug/l	88
70) Styrene	11.96	104	6613	0.833	ug/l #	84
71) Bromoform	12.13	173	1030	0.782	ug/l #	87
73) Isopropylbenzene	12.25	105	10528	0.907	ug/l	97
74) N-amyl acetate	12.07	43	4644	1.053	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	2936	1.004	ug/l	91
76) 1,2,3-Trichloropropane	12.55	75	2280	0.914	ug/l #	100
77) Bromobenzene	12.52	156	2390	0.950	ug/l	90
78) n-propylbenzene	12.59	91	13801	0.946	ug/l	93
79) 2-Chlorotoluene	12.67	91	7449	0.909	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	8870	0.920	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.29	75	684	0.895	ug/l #	86
82) 4-Chlorotoluene	12.77	91	7322	0.883	ug/l	99
83) tert-Butylbenzene	12.99	119	7647	0.932	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	8294	0.880	ug/l	92
85) sec-Butylbenzene	13.17	105	10618	0.915	ug/l	93
86) p-Isopropyltoluene	13.29	119	8386	0.891	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	4382	0.953	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	4382	0.936	ug/l	92
89) n-Butylbenzene	13.62	91	8408	0.924	ug/l	98
90) Hexachloroethane	13.87	117	1512	0.921	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	3804	0.902	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.27	75	110	0.411	ug/l #	76
93) 1,2,4-Trichlorobenzene	14.91	180	1324	0.870	ug/l	76

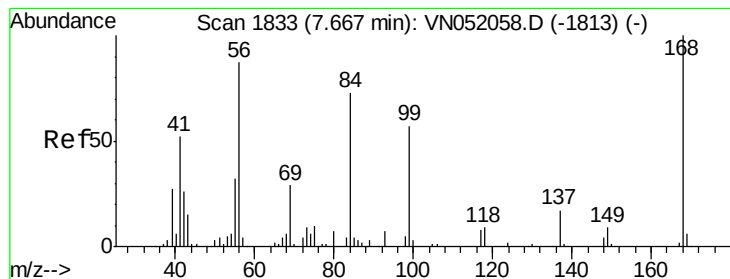
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	886	0.994	ug/l	86
95) Naphthalene	15.13	128	3607	0.894	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.32	180	1283	0.928	ug/l #	21

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

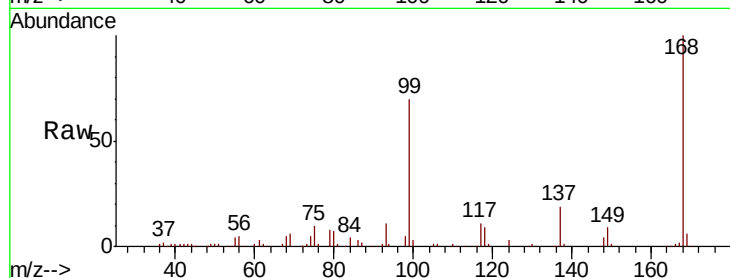
ClientSampleId :

Tgt Ion: 168 Resp: 234937

Ion Ratio Lower Upper

168 100

99 69.2 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052058.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052058.D (-1813) (-)

7.67

100000

80000

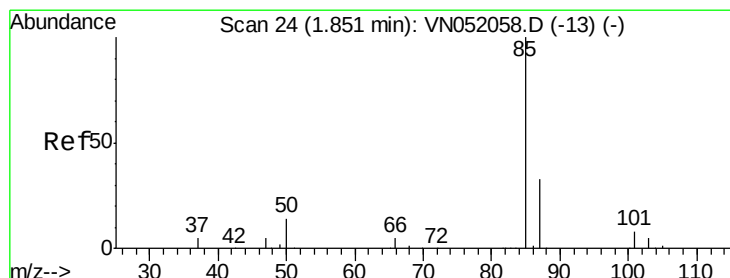
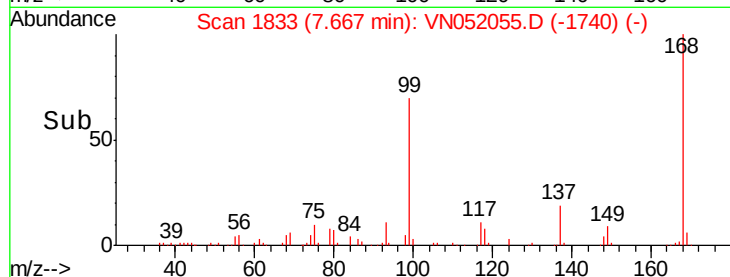
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 0.902 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052055.D

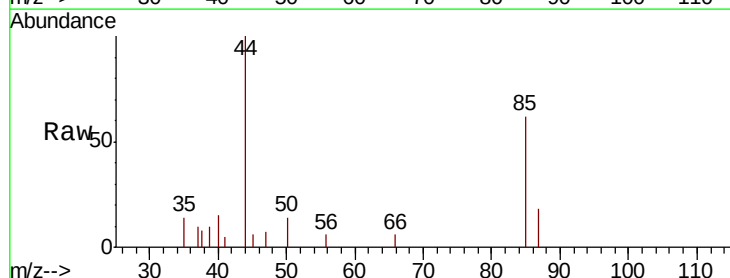
Acq: 30 Oct 2018 9:25

Tgt Ion: 85 Resp: 2445

Ion Ratio Lower Upper

85 100

87 28.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN052058.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052058.D (-13) (-)

1.85

2000

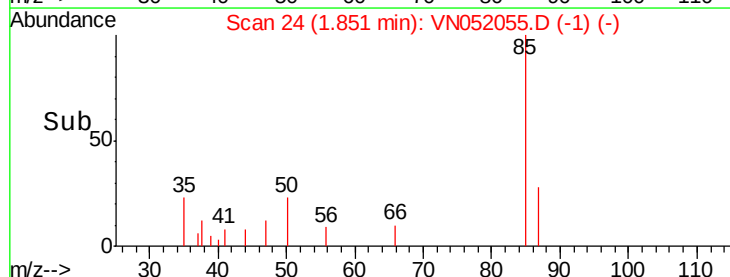
1500

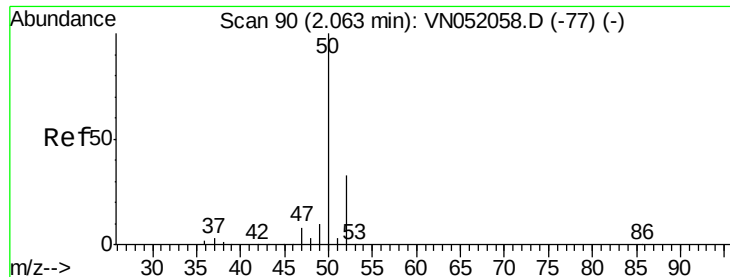
1000

500

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 0.934 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

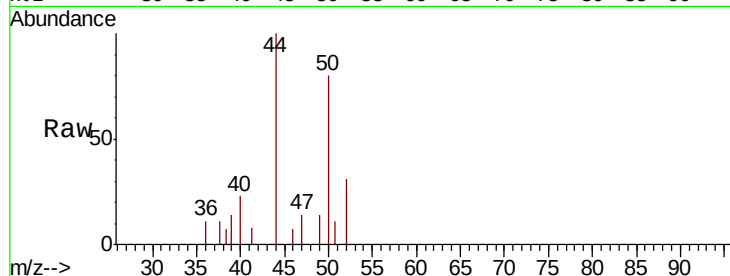
ClientSampled :

Tgt Ion: 50 Resp: 3178

Ion Ratio Lower Upper

50 100

52 29.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

1500

1000

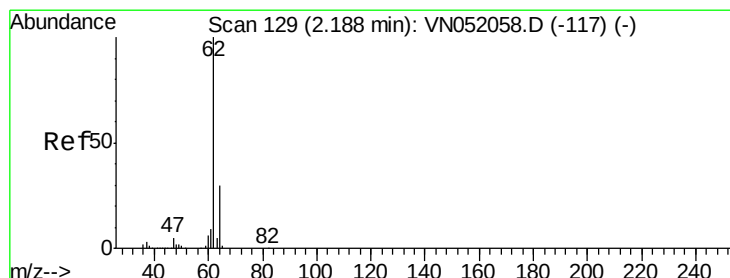
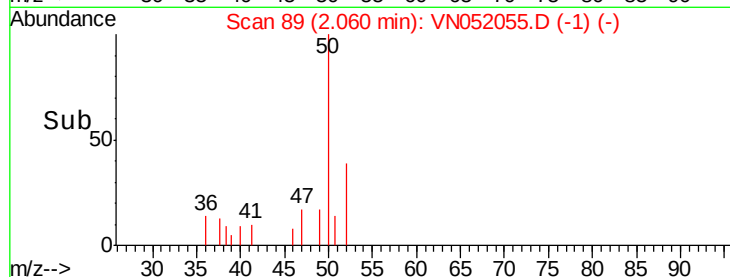
500

0

2.05

2.10

Time-->



#4

Vinyl Chloride

Concen: 0.951 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN052055.D

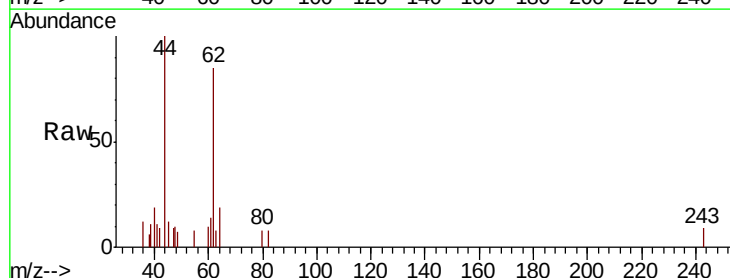
Acq: 30 Oct 2018 9:25

Tgt Ion: 62 Resp: 3576

Ion Ratio Lower Upper

62 100

64 22.0 23.7 35.5#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

2500

2000

1500

1000

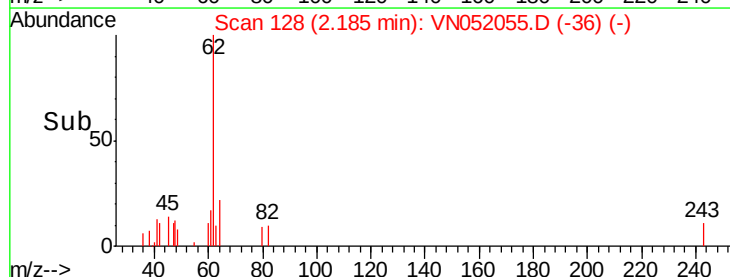
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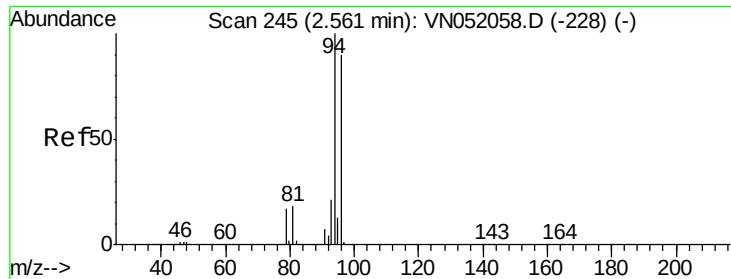
0

2.15

2.20

Time-->





#5

Bromomethane

Concen: 1.095 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

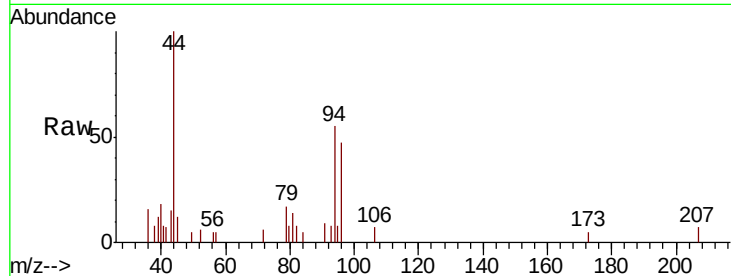
ClientSampled :

Tgt Ion: 94 Resp: 3322

Ion Ratio Lower Upper

94 100

96 85.3 71.8 107.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2000

1500

1000

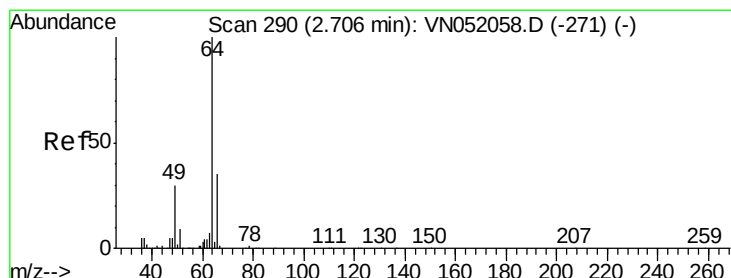
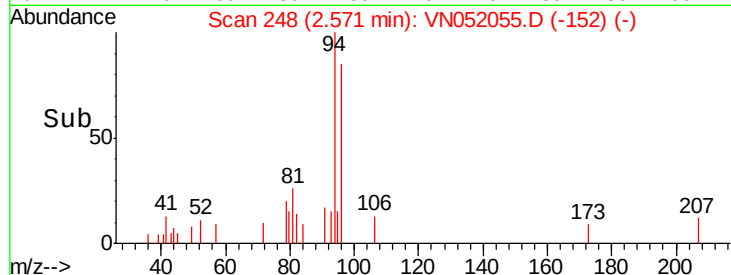
500

0

2.55

2.60

Time-->



#6

Chloroethane

Concen: 0.982 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052055.D

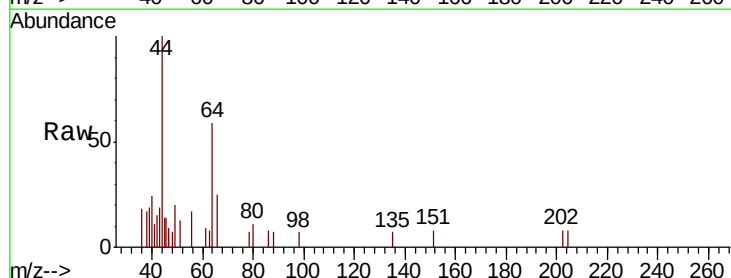
Acq: 30 Oct 2018 9:25

Tgt Ion: 64 Resp: 2395

Ion Ratio Lower Upper

64 100

66 43.2 27.9 41.9#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

1000

500

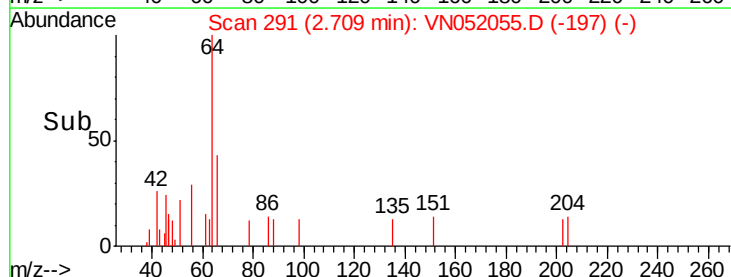
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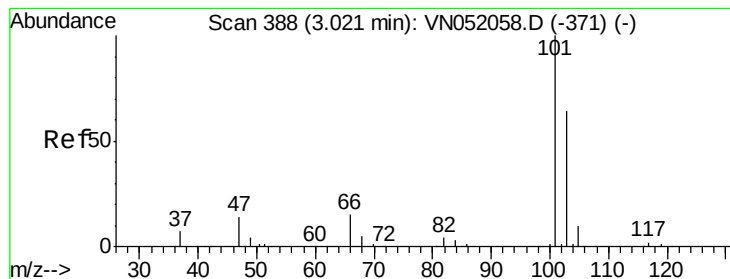
2.65

2.70

2.75

Time-->



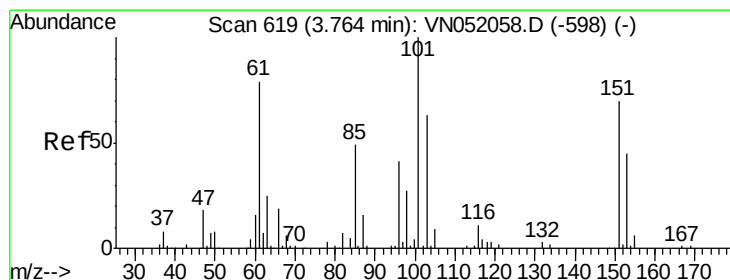
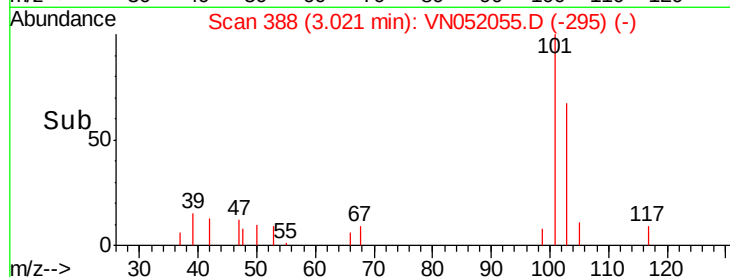
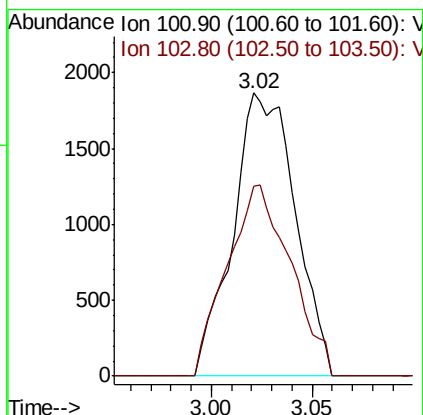
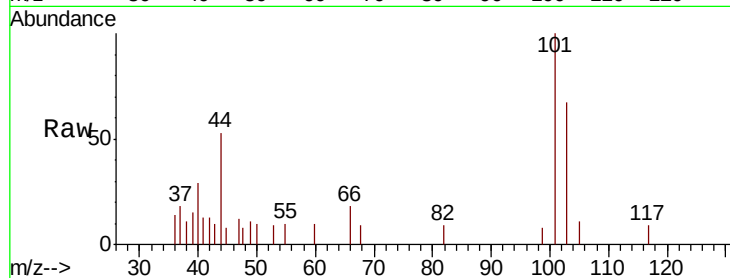


#7

Trichlorofluoromethane
Concen: 0.947 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Instrument :
MSVOA_N
ClientSampled :

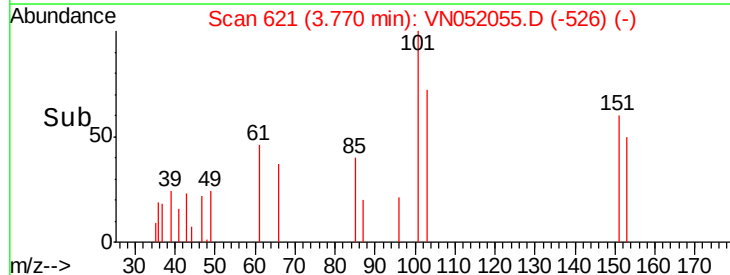
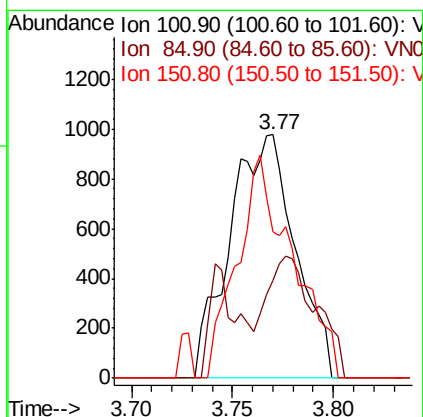
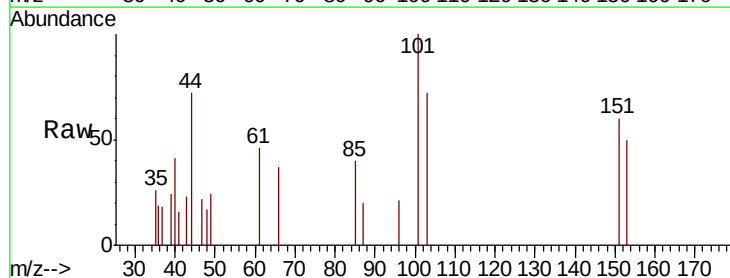
Tgt Ion:101 Resp: 4020
Ion Ratio Lower Upper
101 100
103 66.9 51.0 76.4

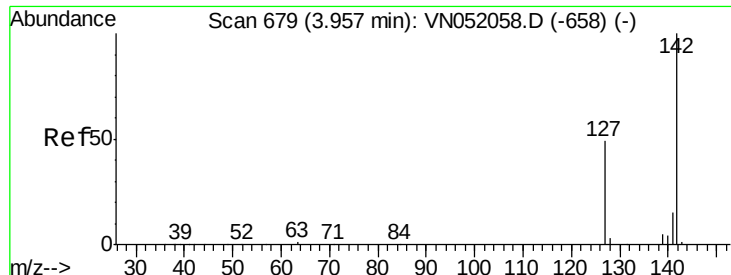


#9

1,1,2-Trichlorotrifluoroethane
Concen: 0.914 ug/l
RT: 3.77 min Scan# 621
Delta R.T. 0.01 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion:101 Resp: 2211
Ion Ratio Lower Upper
101 100
85 37.7 38.6 58.0#
151 77.3 52.6 78.8

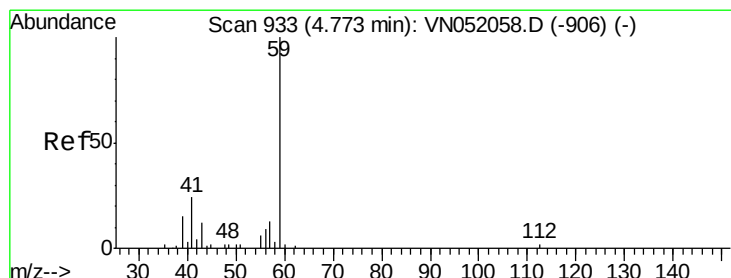
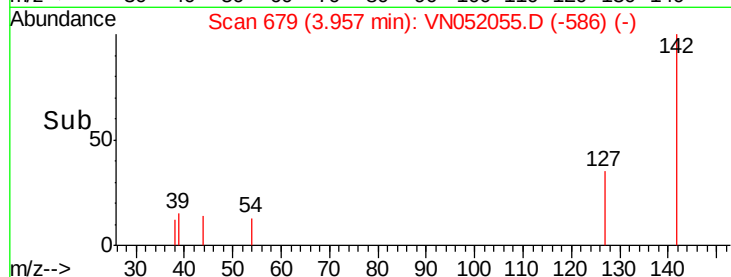
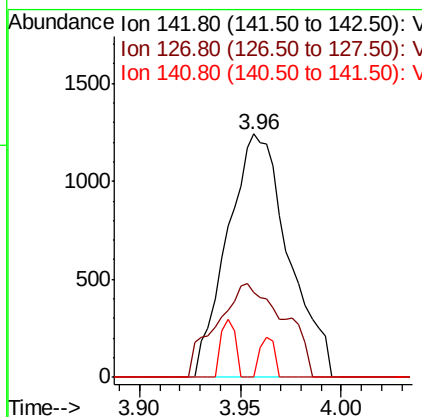
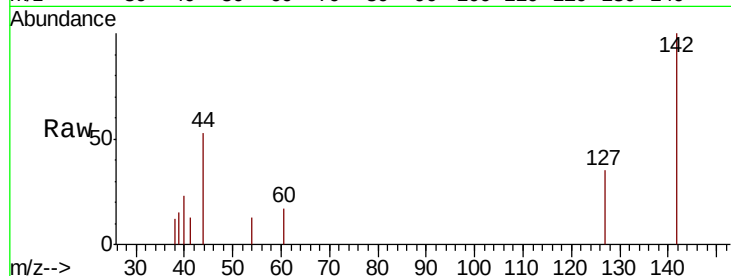




#10
Methyl Iodide
Concen: 0.755 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

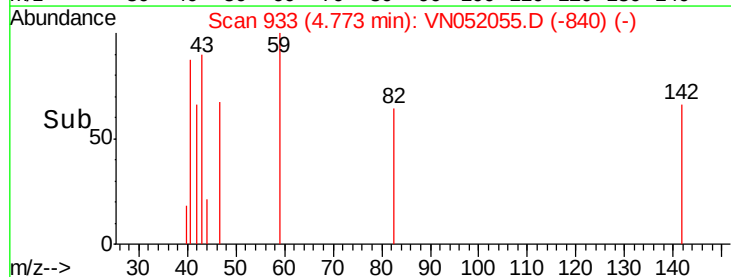
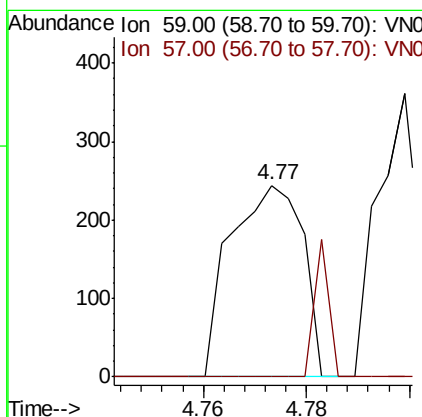
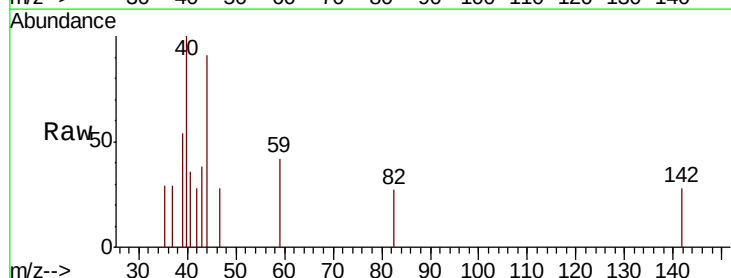
Instrument :
MSVOA_N
ClientSampleId :

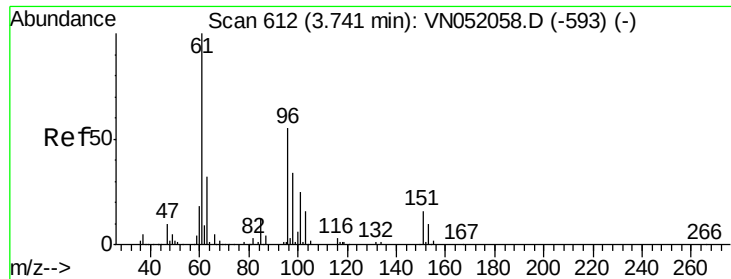
Tgt Ion: 142 Resp: 2619
Ion Ratio Lower Upper
142 100
127 42.5 37.3 55.9
141 4.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.413 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion: 59 Resp: 237
Ion Ratio Lower Upper
59 100
57 14.3 7.0 10.6#

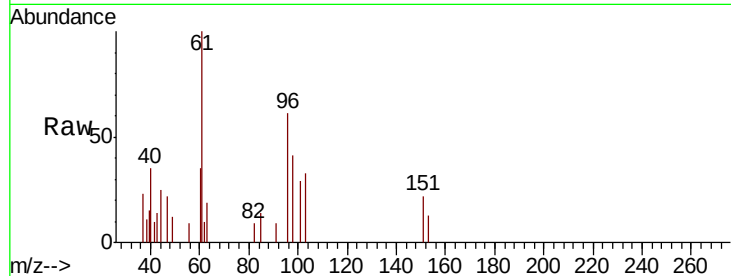




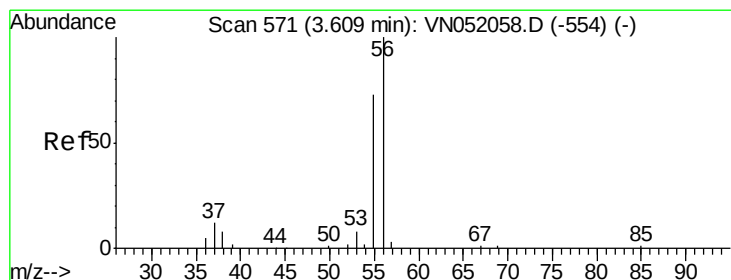
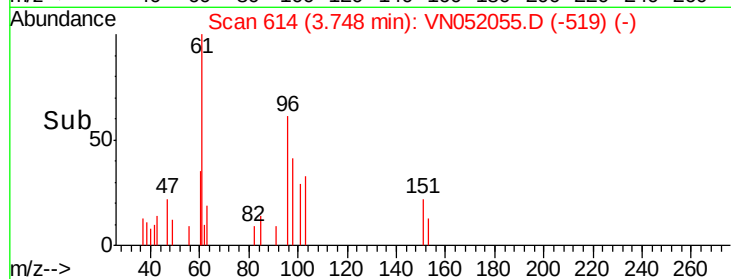
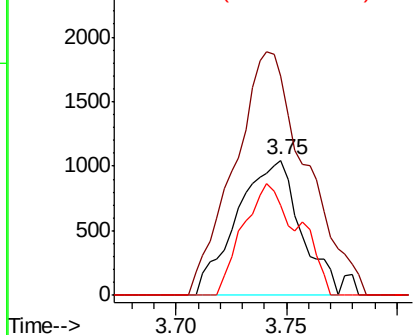
#12
 1,1-Dichloroethene
 Concen: 0.913 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion: 96 Resp: 2099
 Ion Ratio Lower Upper
 96 100
 61 162.6 145.7 218.5
 98 66.3 49.8 74.8

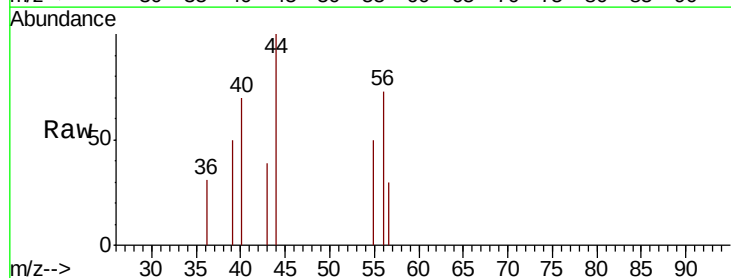


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

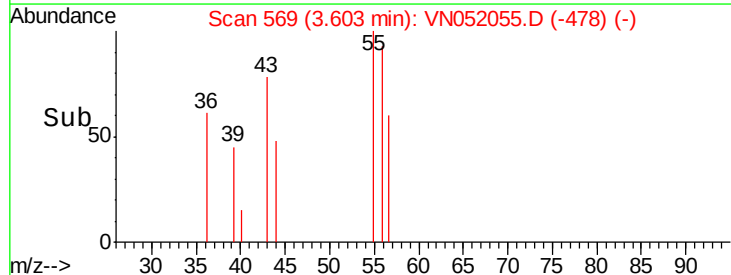
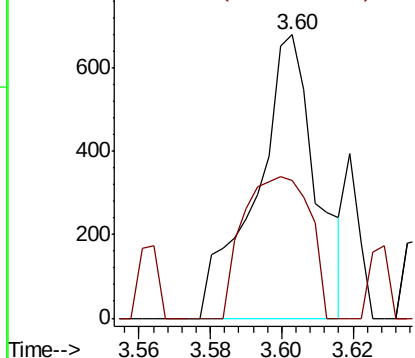


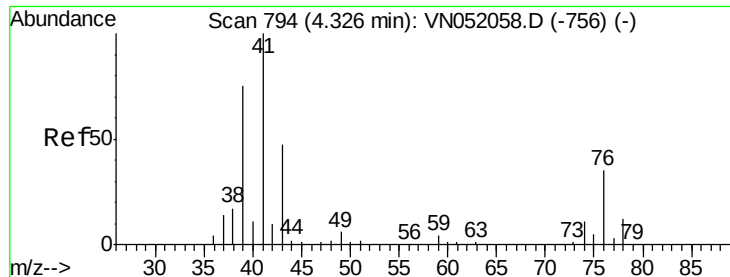
#13
 Acrolein
 Concen: 4.379 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 56 Resp: 788
 Ion Ratio Lower Upper
 56 100
 55 55.7 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0





#14

Allyl chloride

Concen: 0.511 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052055.D

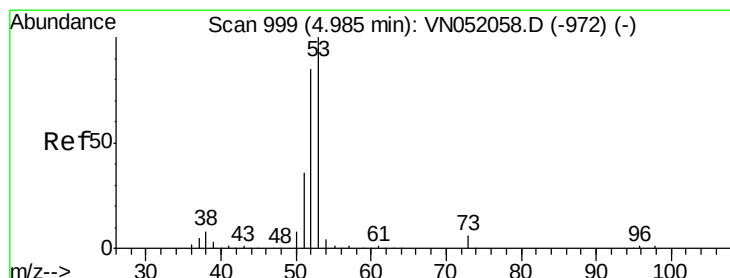
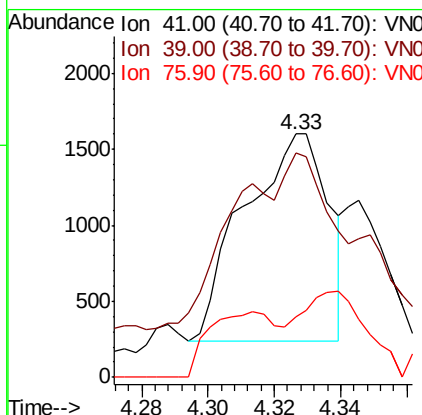
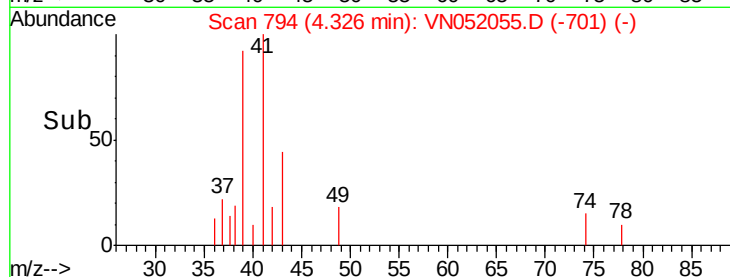
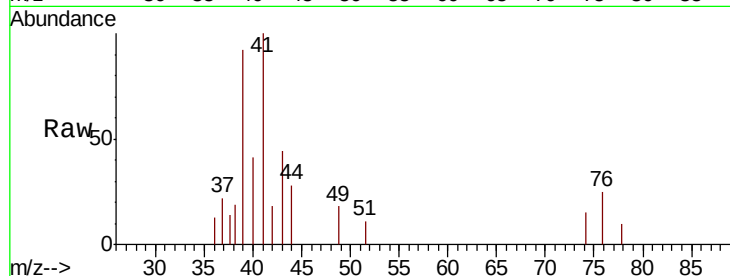
Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	41	Resp:	2396
Ion	Ratio	Lower	Upper
41	100		
39	127.7	58.1	87.1#
76	32.5	26.0	39.0



#15

Acrylonitrile

Concen: 2.038 ug/l

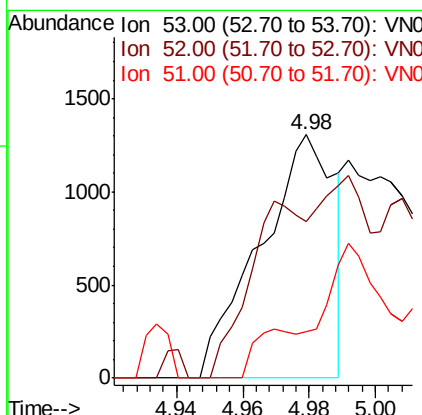
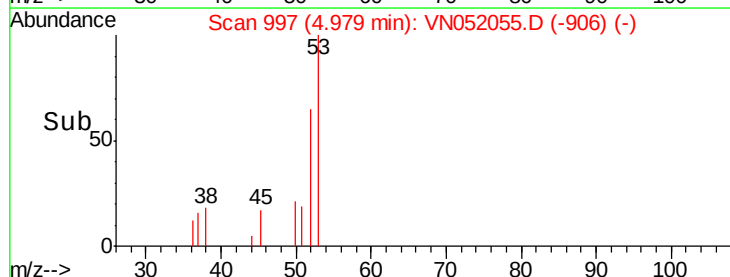
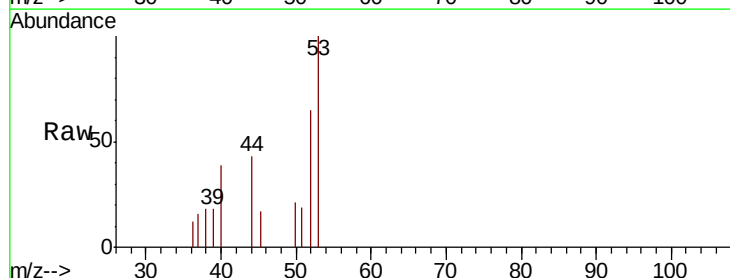
RT: 4.98 min Scan# 997

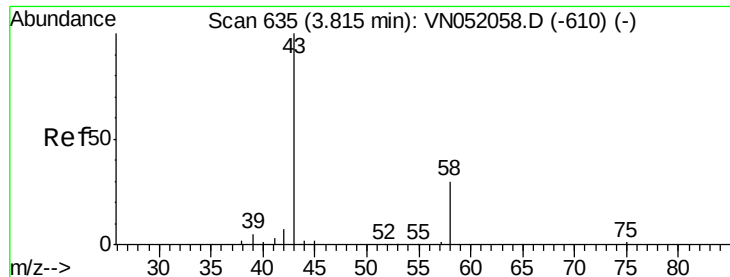
Delta R.T. -0.01 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Tgt Ion:	53	Resp:	2039
Ion	Ratio	Lower	Upper
53	100		
52	55.3	66.6	100.0#
51	11.2	29.0	43.6#





#16

Acetone

Concen: 2.655 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

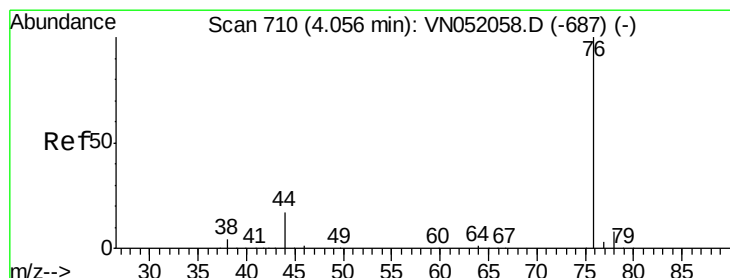
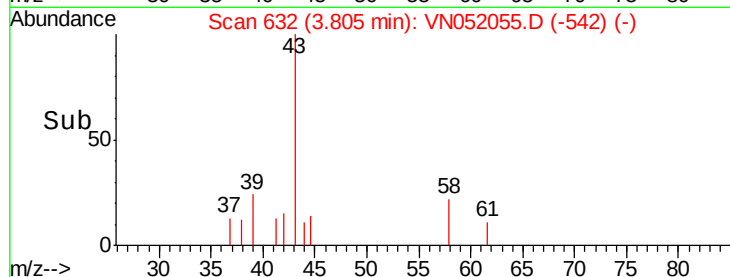
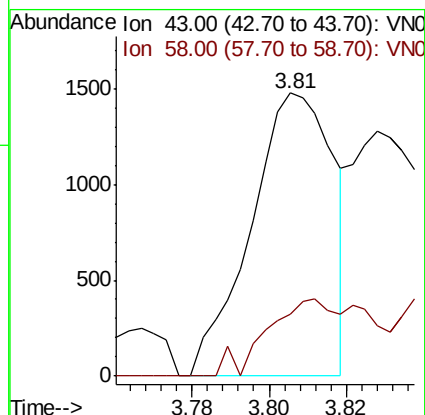
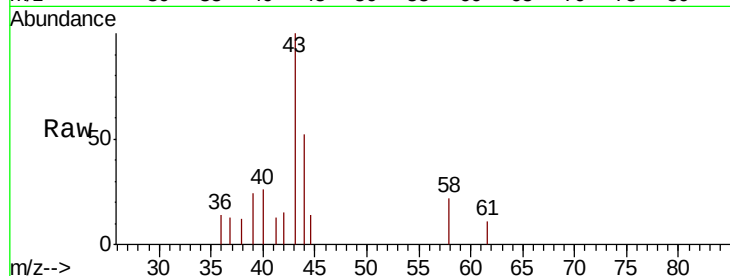
ClientSampleId :

Tgt Ion: 43 Resp: 2189

Ion Ratio Lower Upper

43 100

58 22.0 24.2 36.2#



#17

Carbon Disulfide

Concen: 0.962 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN052055.D

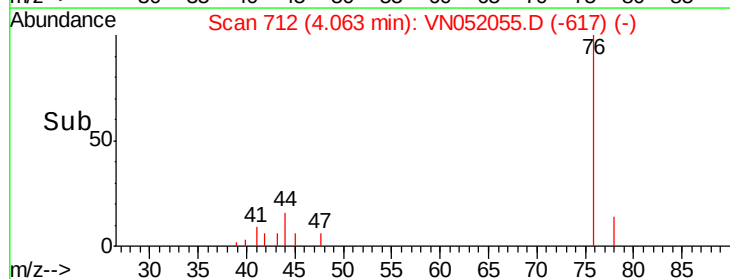
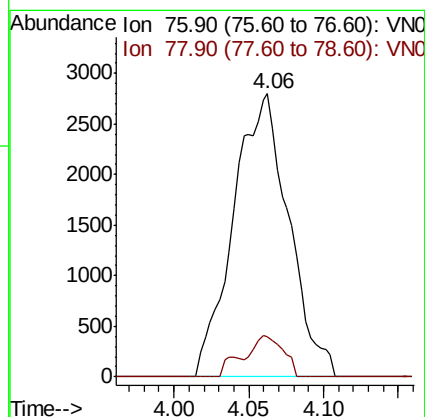
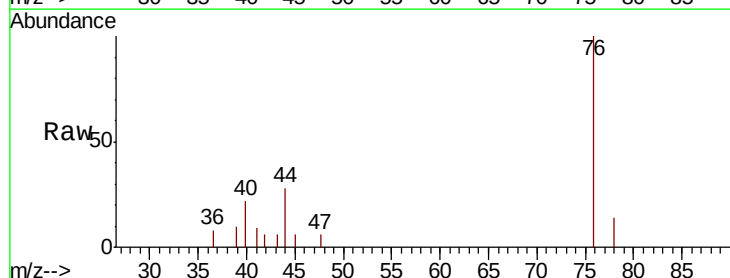
Acq: 30 Oct 2018 9:25

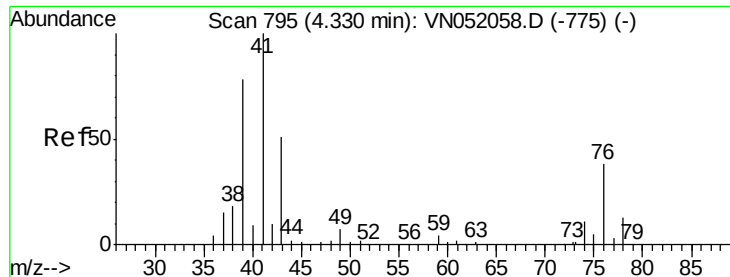
Tgt Ion: 76 Resp: 7199

Ion Ratio Lower Upper

76 100

78 14.2 6.8 10.2#





#18

Methyl Acetate

Concen: 1.092 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

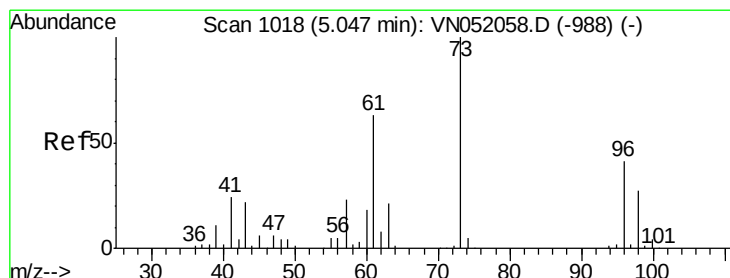
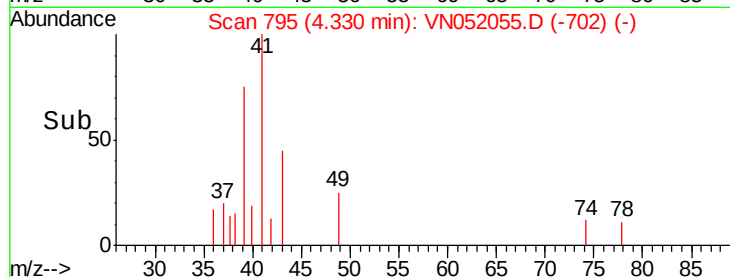
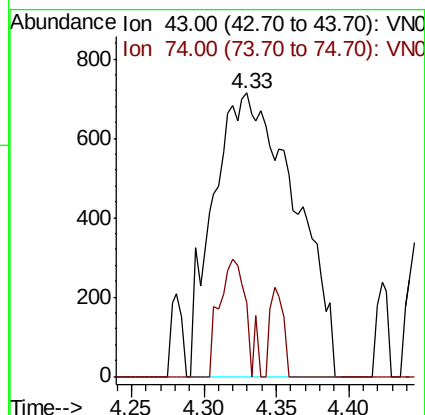
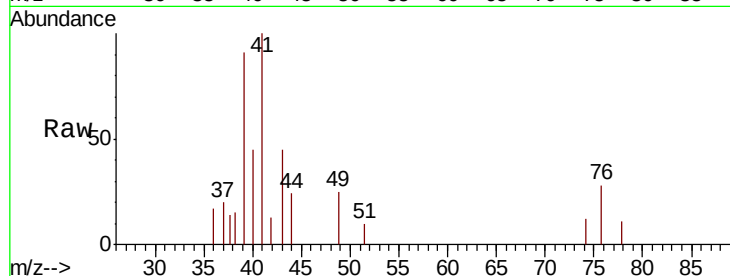
ClientSampled :

Tgt Ion: 43 Resp: 2796

Ion Ratio Lower Upper

43 100

74 13.6 17.9 26.9#



#19

Methyl tert-butyl Ether

Concen: 0.694 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VN052055.D

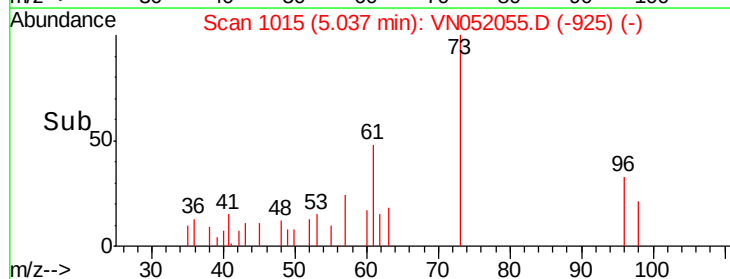
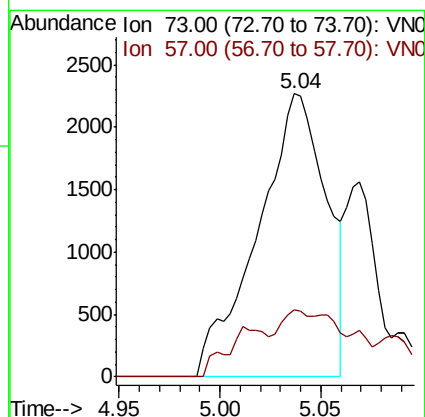
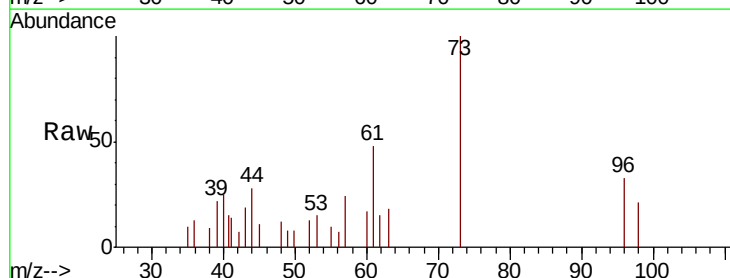
Acq: 30 Oct 2018 9:25

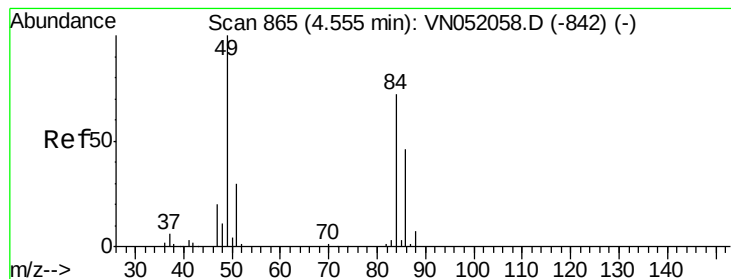
Tgt Ion: 73 Resp: 5341

Ion Ratio Lower Upper

73 100

57 23.5 18.7 28.1





#20

Methylene Chloride

Concen: 0.908 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 2575

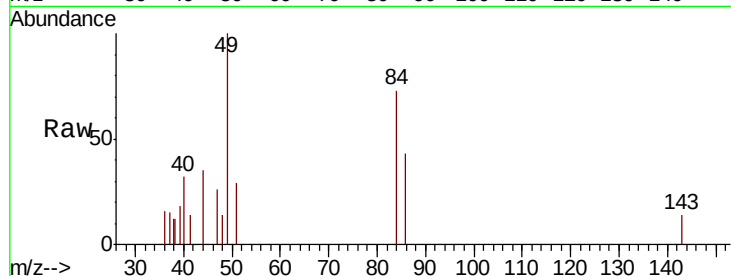
Ion Ratio Lower Upper

84 100

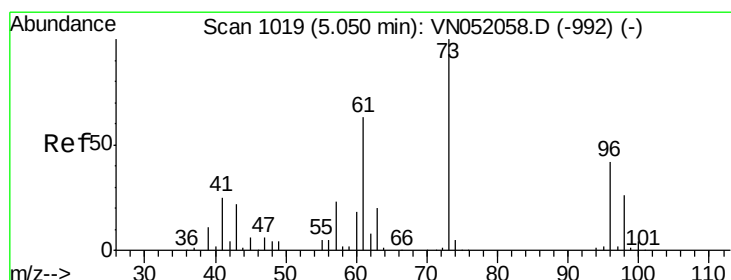
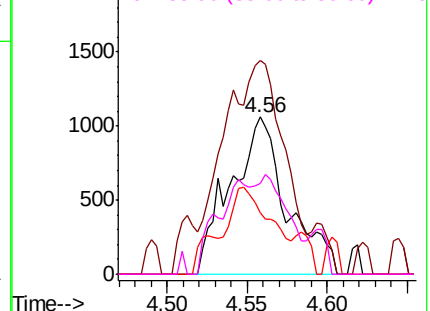
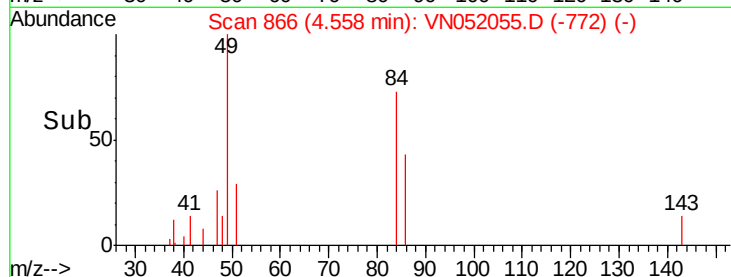
49 136.1 110.6 165.8

51 39.1 33.7 50.5

86 58.1 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0



#21

trans-1,2-Dichloroethene

Concen: 0.896 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

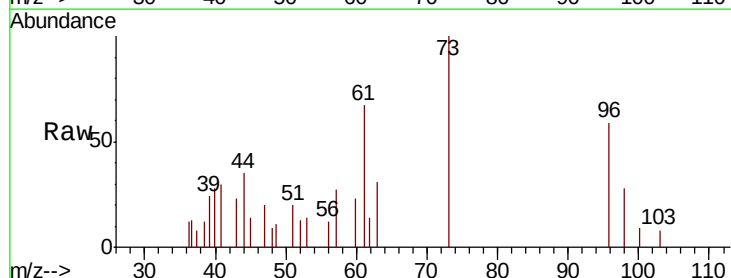
Tgt Ion: 96 Resp: 2338

Ion Ratio Lower Upper

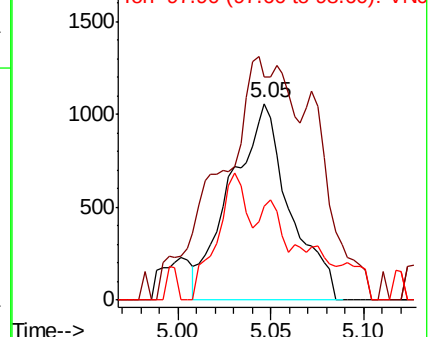
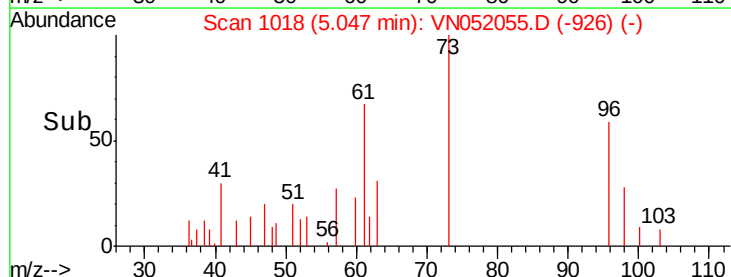
96 100

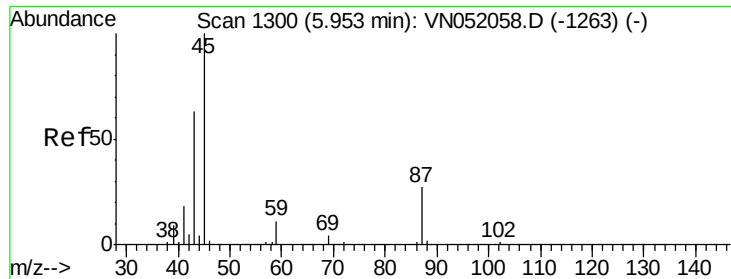
61 85.6 118.6 178.0#

98 47.5 49.7 74.5#



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: 0.963 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

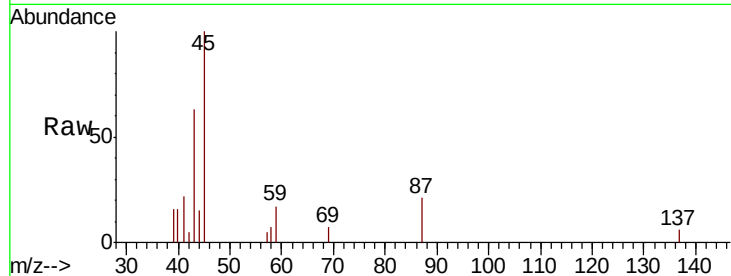
Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 45 Resp: 10088

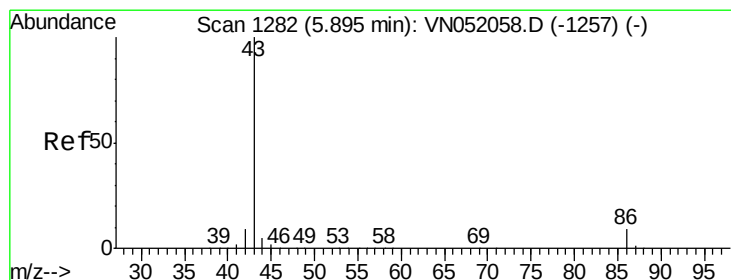
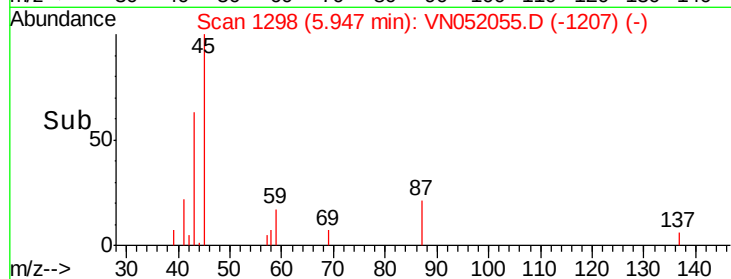
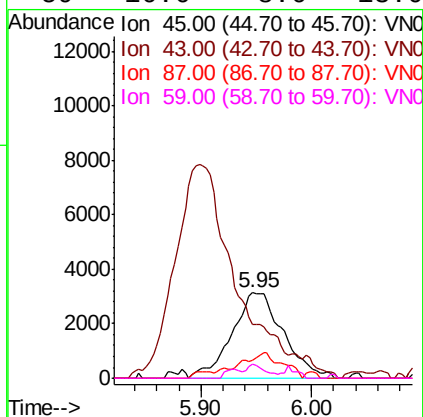
Ion Ratio Lower Upper

45 100

43 63.3 50.5 75.7

87 21.4 21.5 32.3#

59 16.6 8.6 13.0#



#23

Vinyl Acetate

Concen: 4.429 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052055.D

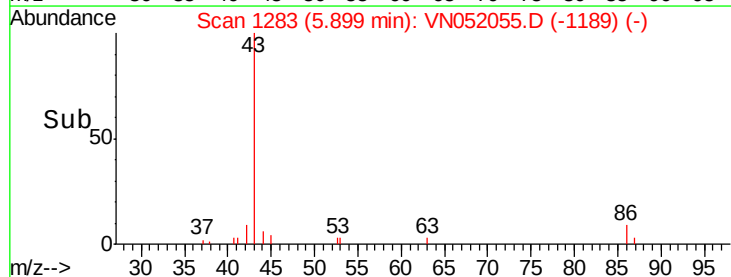
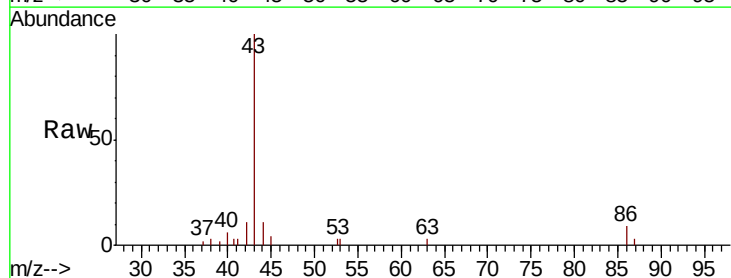
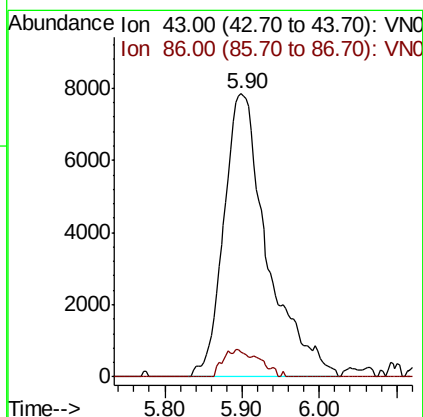
Acq: 30 Oct 2018 9:25

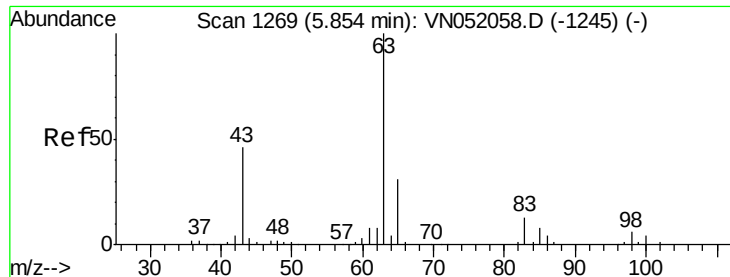
Tgt Ion: 43 Resp: 30672

Ion Ratio Lower Upper

43 100

86 8.9 7.3 10.9





#24

1,1-Dichloroethane

Concen: 0.963 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

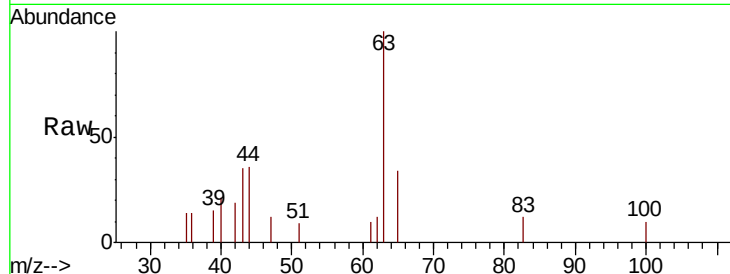
Tgt Ion: 63 Resp: 5551

Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 10.0 2.0 6.0#

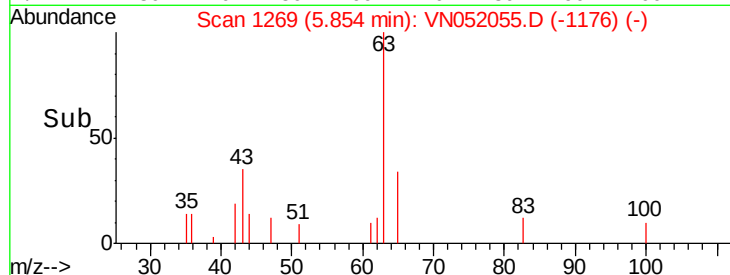


Abundance Ion 62.90 (62.60 to 63.60): VN052055.D (-1176) (-)

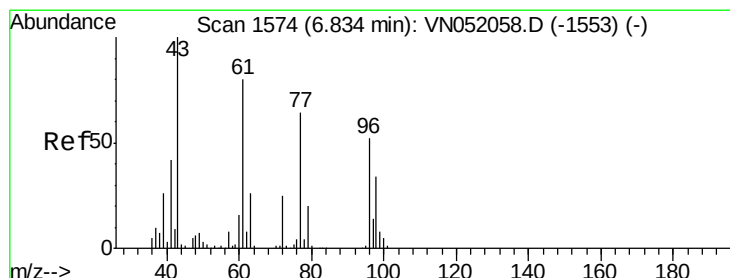
Ion 97.90 (97.60 to 98.60): VN052055.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN052055.D (-1176) (-)

Time-->



Time-->



#25

2-Butanone

Concen: 4.563 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN052055.D

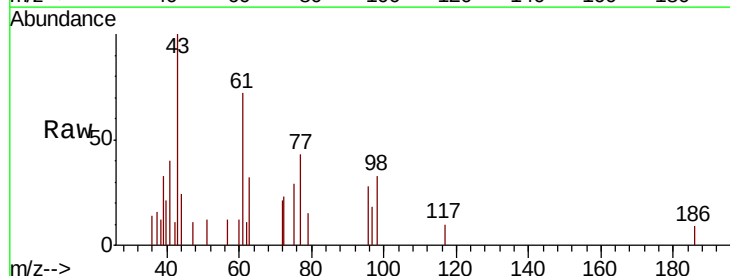
Acq: 30 Oct 2018 9:25

Tgt Ion: 43 Resp: 5312

Ion Ratio Lower Upper

43 100

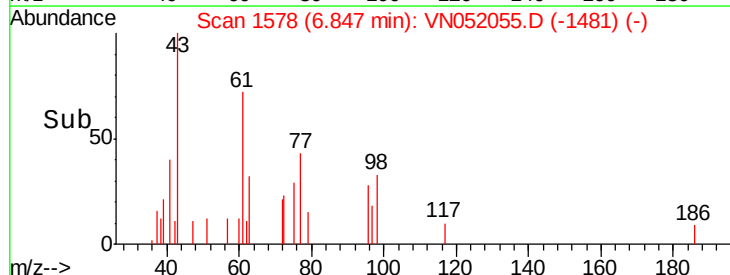
72 50.0 20.2 30.2#



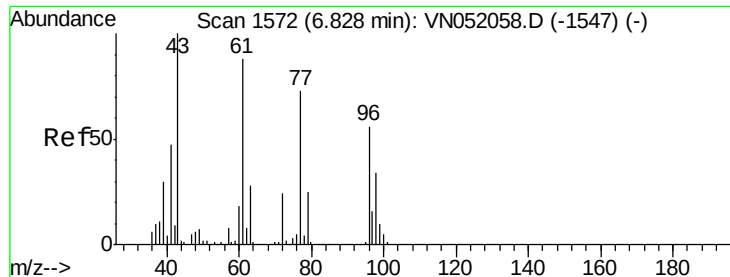
Abundance Ion 43.00 (42.70 to 43.70): VN052055.D (-1481) (-)

Ion 72.00 (71.70 to 72.70): VN052055.D (-1481) (-)

Time-->



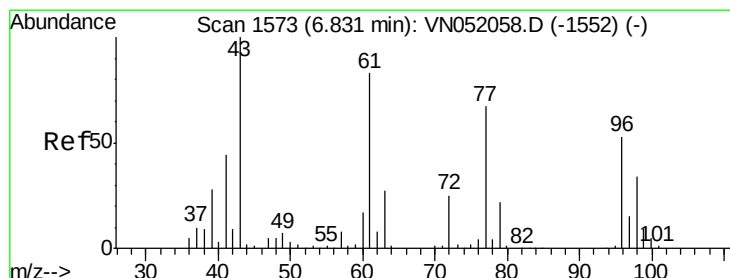
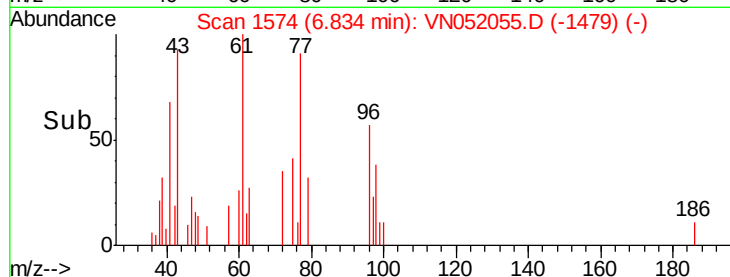
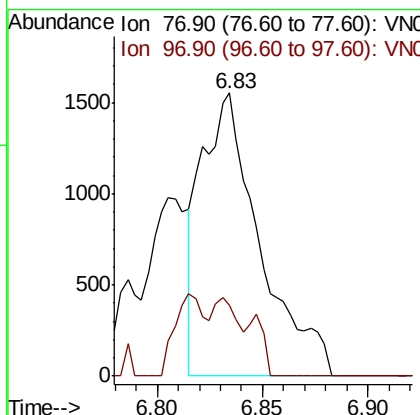
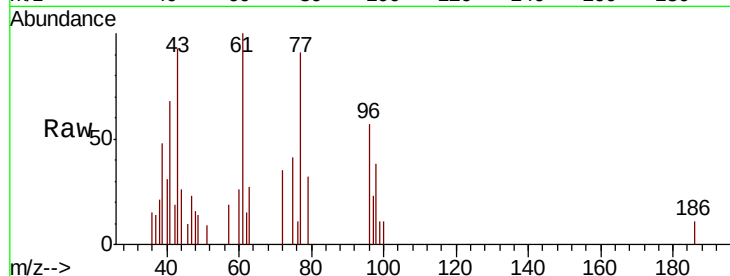
Time-->



#26
 2,2-Dichloropropane
 Concen: 0.633 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

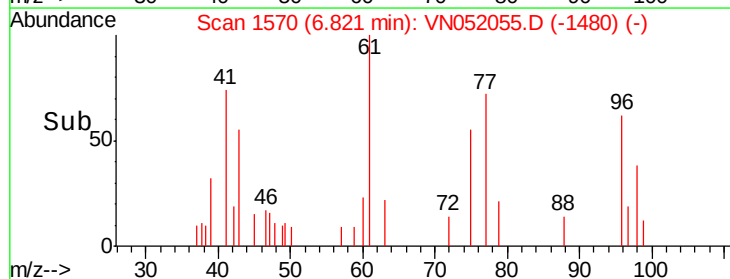
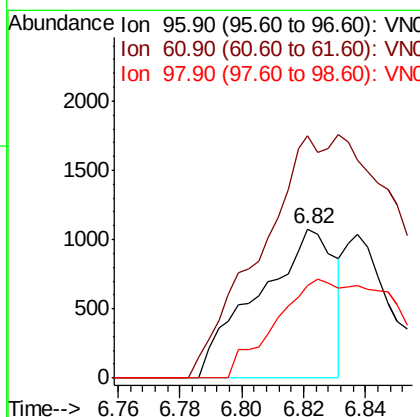
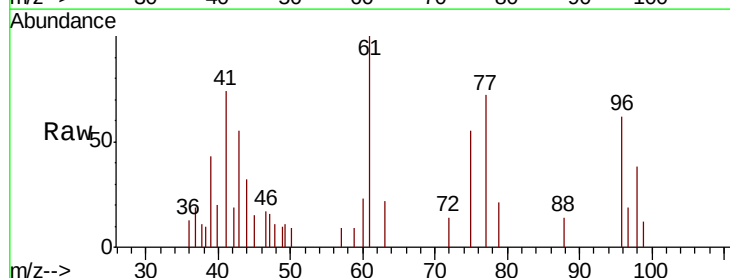
Instrument :
 MSVOA_N
 ClientSampled :

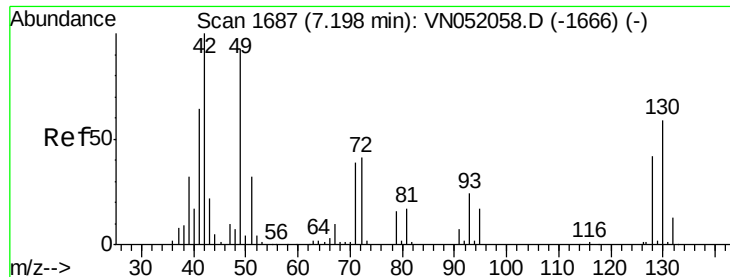
Tgt Ion: 77 Resp: 2979
 Ion Ratio Lower Upper
 77 100
 97 4.7 10.5 31.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.573 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 96 Resp: 1854
 Ion Ratio Lower Upper
 96 100
 61 129.2 0.0 312.8
 98 106.7 0.0 127.0

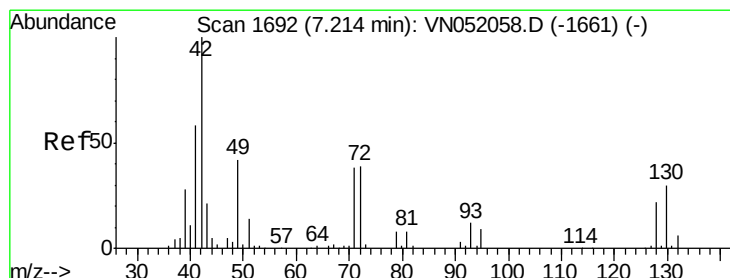
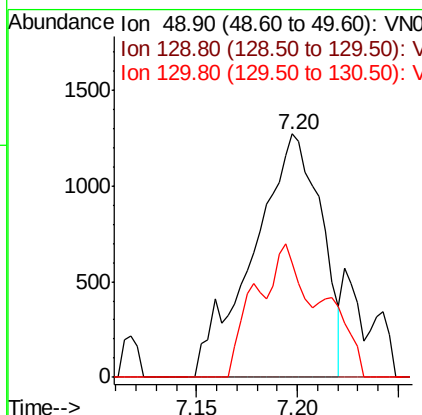
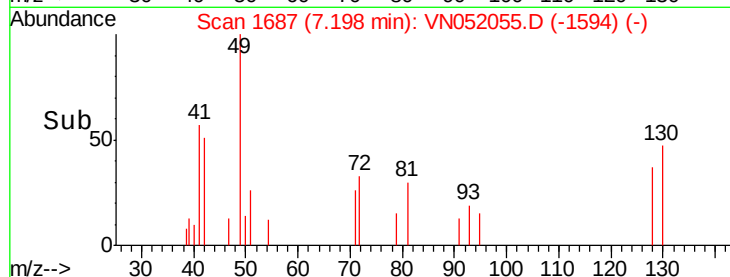
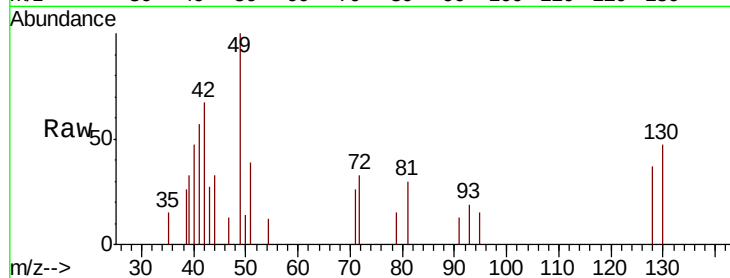




#28
Bromochloromethane
Concen: 0.943 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

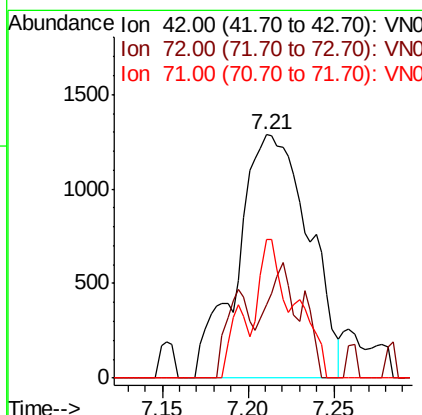
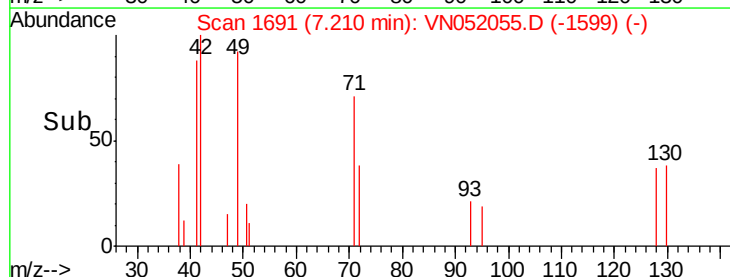
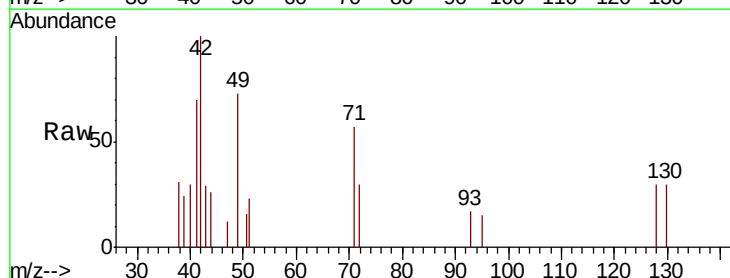
Instrument :
MSVOA_N
ClientSampled :

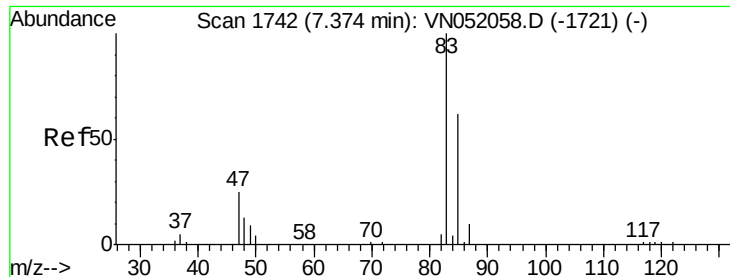
Tgt Ion: 49 Resp: 2976
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.4
130 11.6 50.8 76.2#



#29
Tetrahydrofuran
Concen: 4.448 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion: 42 Resp: 3695
Ion Ratio Lower Upper
42 100
72 9.5 32.5 48.7#
71 12.1 30.6 46.0#

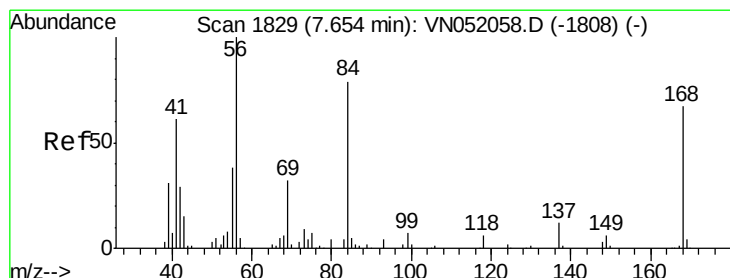
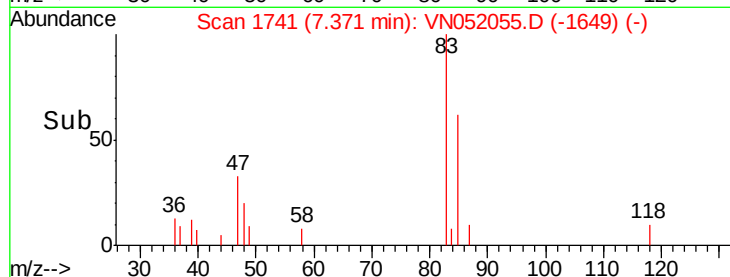
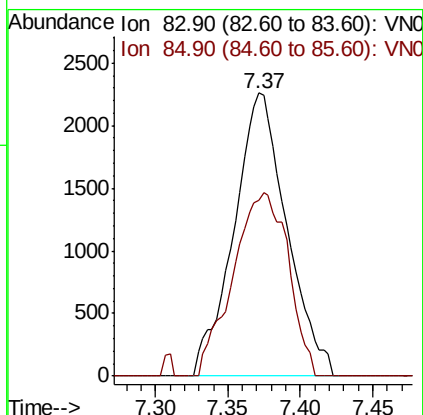
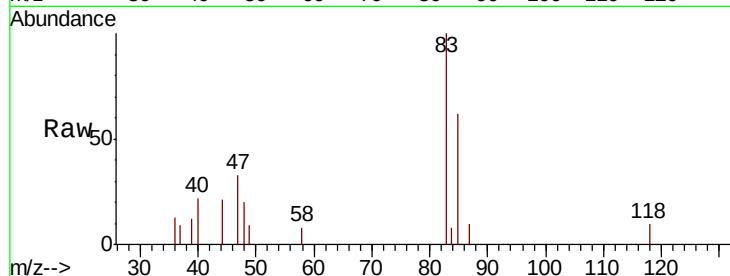




#30
Chloroform
Concen: 0.976 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

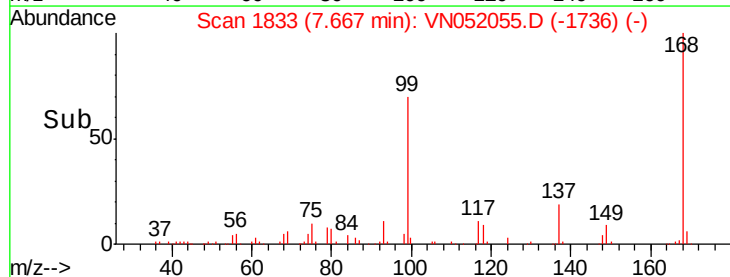
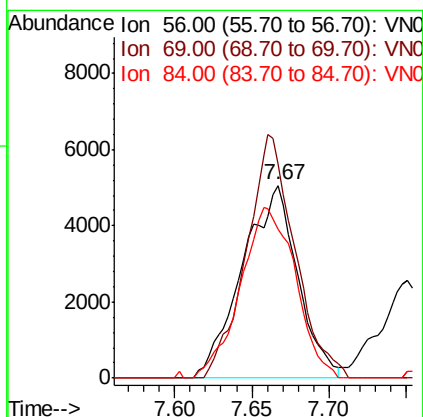
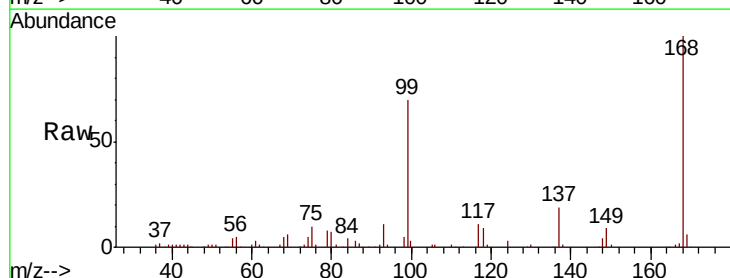
Instrument :
MSVOA_N
ClientSampled :

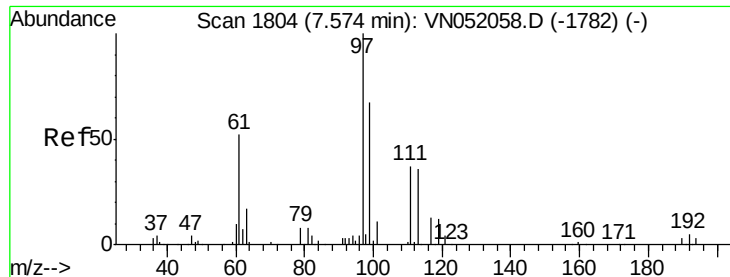
Tgt Ion: 83 Resp: 5742
Ion Ratio Lower Upper
83 100
85 61.9 49.6 74.4



#31
Cyclohexane
Concen: 1.374 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion: 56 Resp: 12568
Ion Ratio Lower Upper
56 100
69 111.1 25.8 38.6#
84 77.3 63.5 95.3





#32

1,1,1-Trichloroethane

Concen: 0.896 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

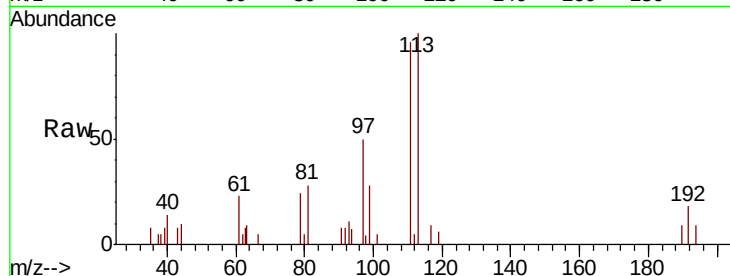
Tgt Ion: 97 Resp: 4006

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.2#

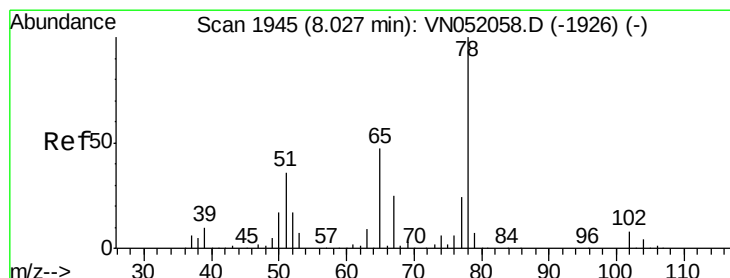
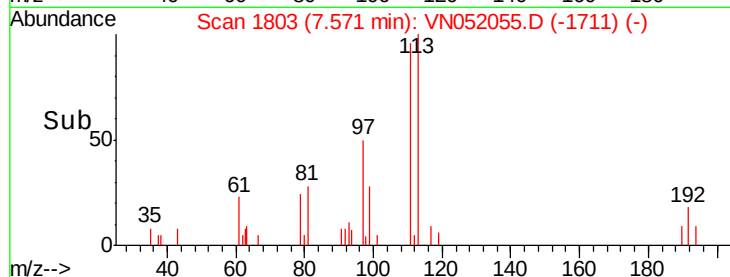
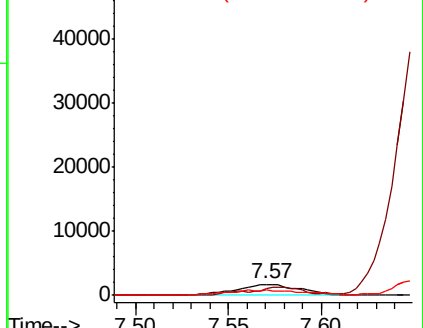
61 23.1 40.3 60.5#



Abundance Ion 96.90 (96.60 to 97.60): VN052058.D (-1782) (-)

Ion 98.90 (98.60 to 99.60): VN052058.D (-1782) (-)

Ion 60.90 (60.60 to 61.60): VN052058.D (-1782) (-)



#33

1,2-Dichloroethane-d4

Concen: 0.896 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052055.D

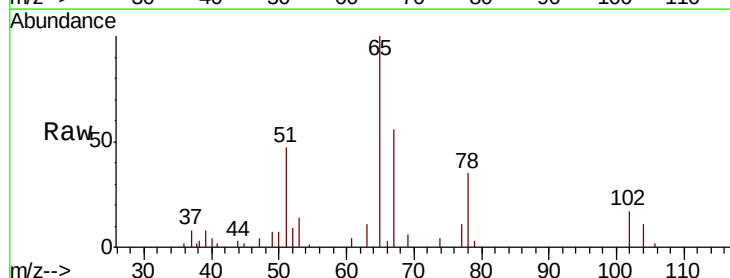
Acq: 30 Oct 2018 9:25

Tgt Ion: 65 Resp: 25851

Ion Ratio Lower Upper

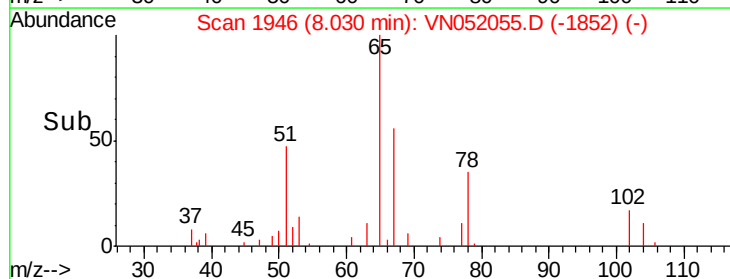
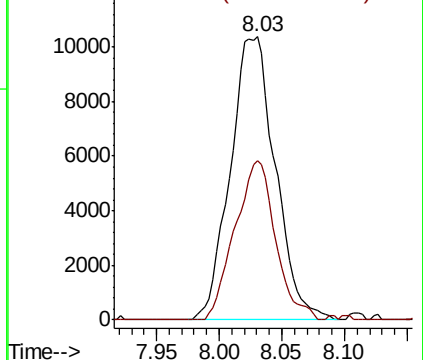
65 100

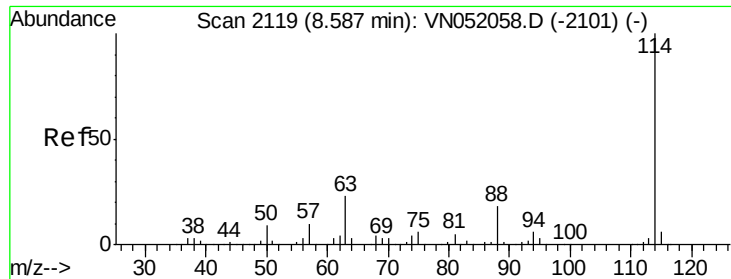
67 50.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052058.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052058.D (-1926) (-)

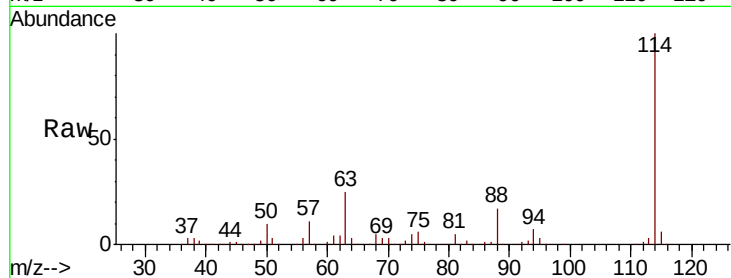




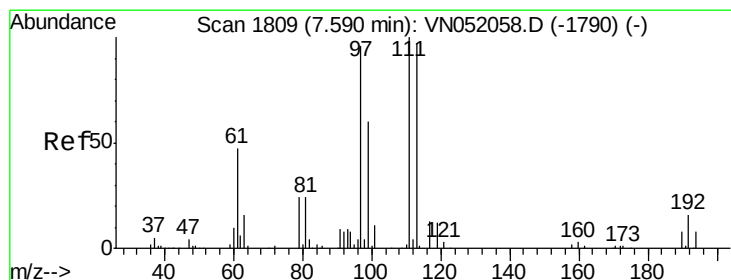
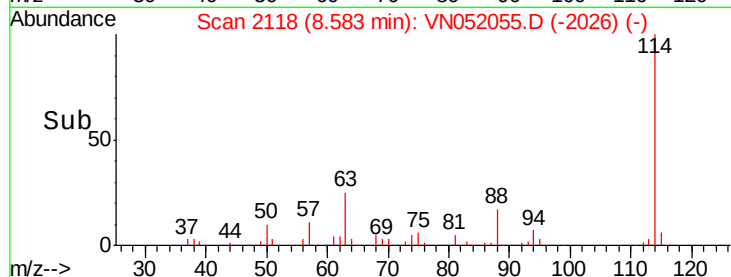
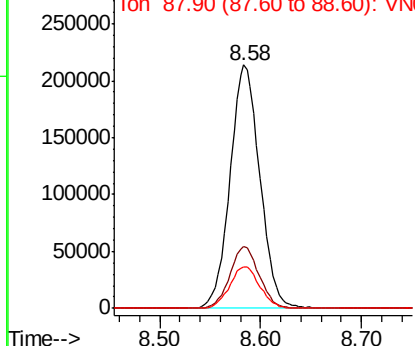
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion:114 Resp: 439191
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 46.0
 88 16.9 0.0 35.4

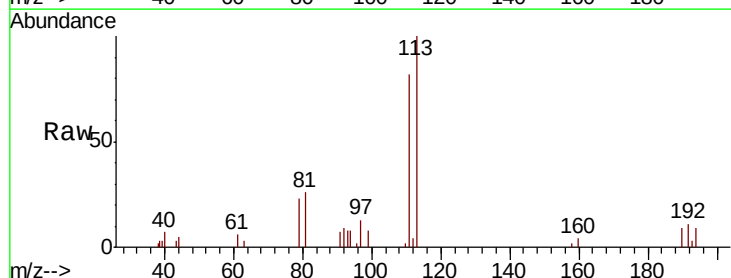


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

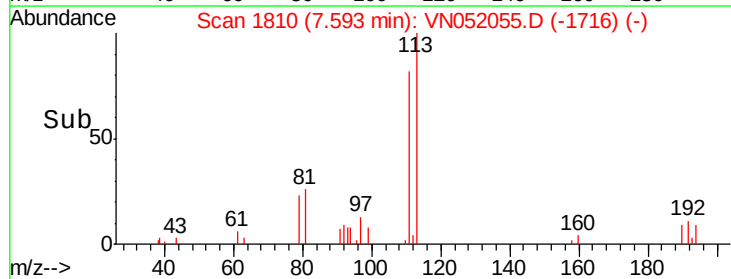
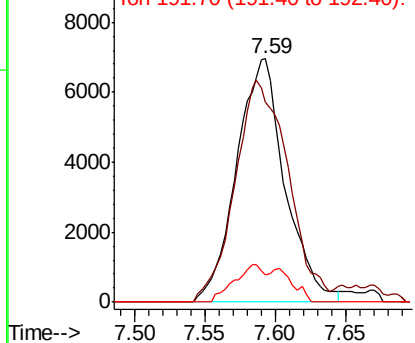


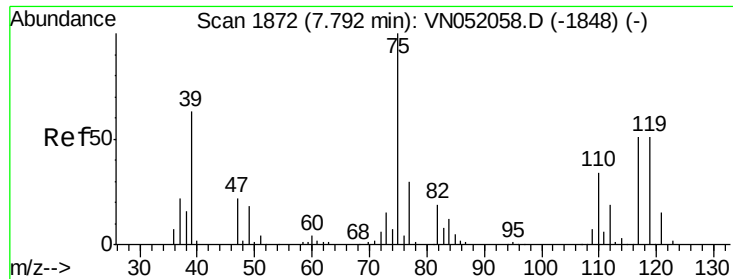
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion:113 Resp: 16735
 Ion Ratio Lower Upper
 113 100
 111 99.4 83.1 124.7
 192 9.5 12.7 19.1#



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

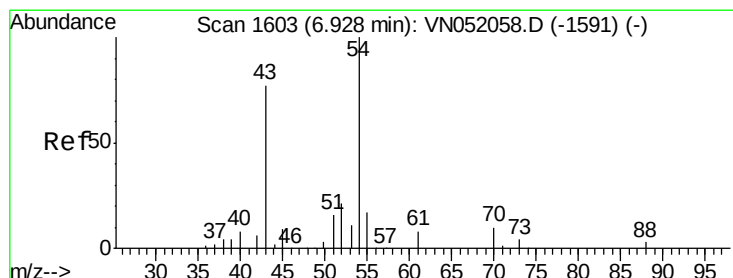
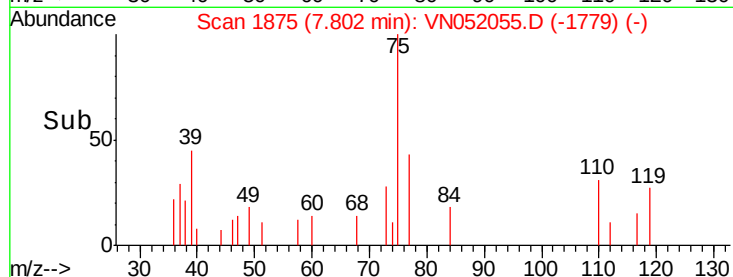
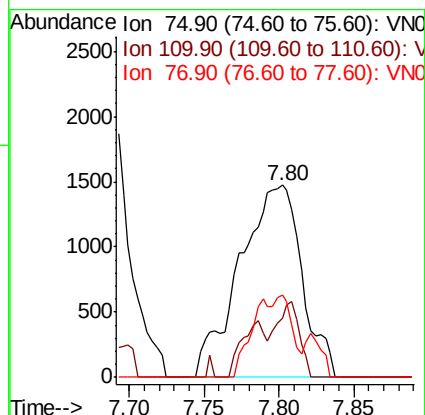
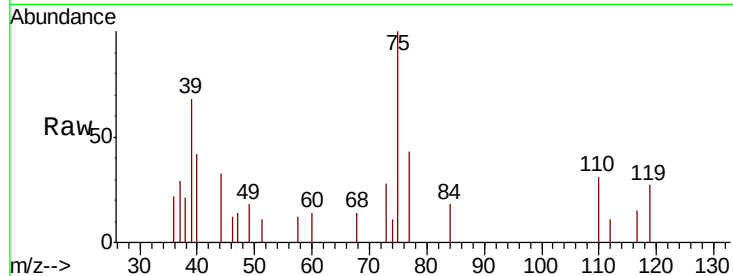




#36
 1,1-Dichloropropene
 Concen: 0.976 ug/l
 RT: 7.80 min Scan# 1875
 Delta R.T. 0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

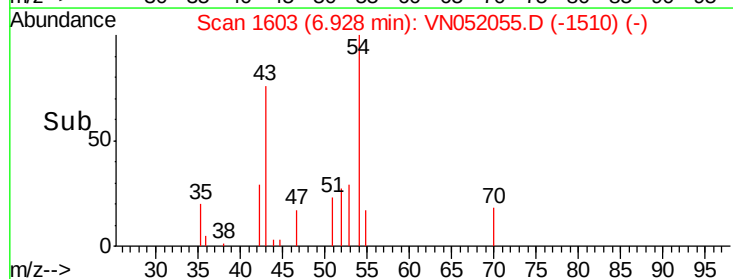
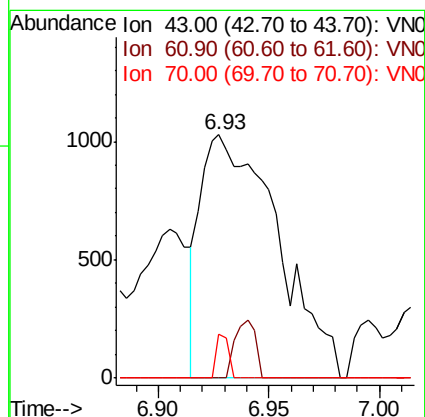
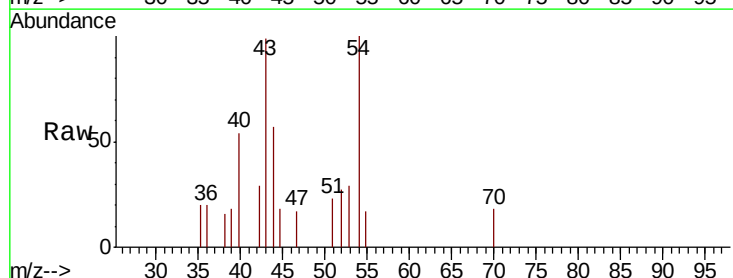
Instrument :
 MSVOA_N
 ClientSampled :

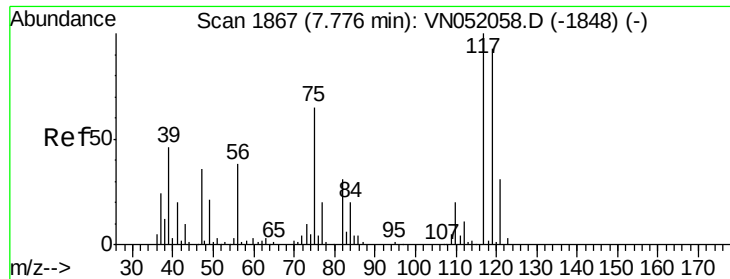
Tgt Ion: 75 Resp: 4257
 Ion Ratio Lower Upper
 75 100
 110 14.6 16.0 48.0#
 77 5.8 24.5 36.7#



#37
 Ethyl Acetate
 Concen: 0.957 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 43 Resp: 2487
 Ion Ratio Lower Upper
 43 100
 61 6.4 10.9 16.3#
 70 2.8 8.6 12.8#

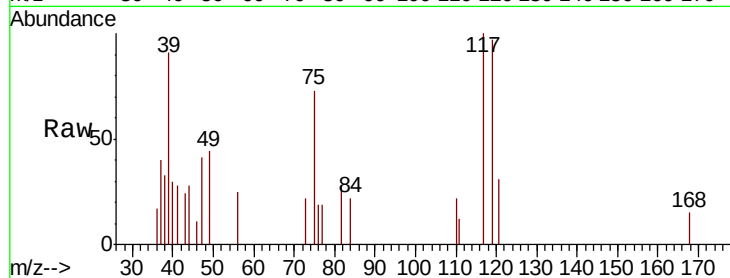




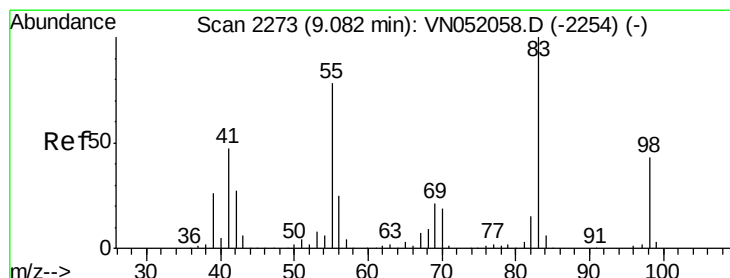
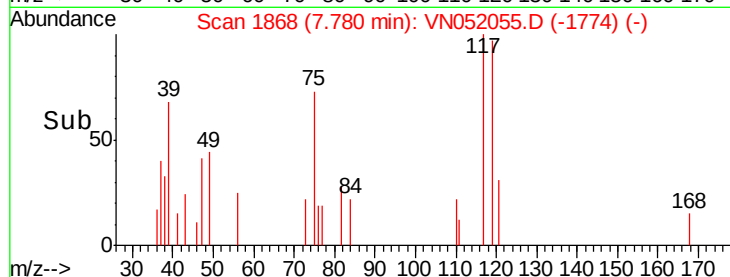
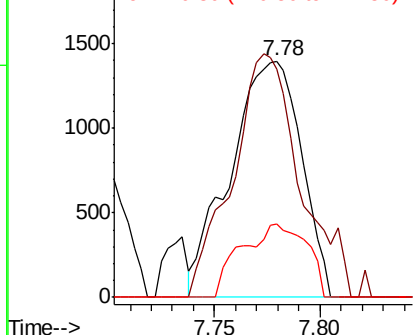
#38
Carbon Tetrachloride
Concen: 0.904 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 117 Resp: 3272
Ion Ratio Lower Upper
117 100
119 96.6 74.8 112.2
121 31.3 25.1 37.7

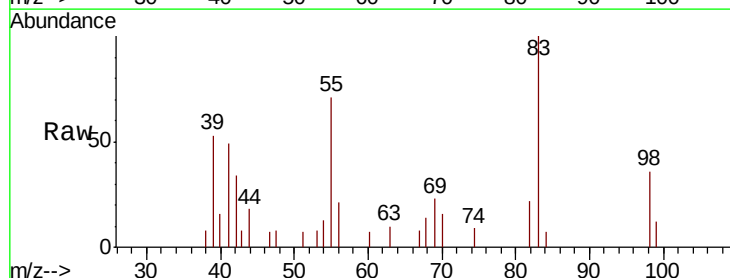


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

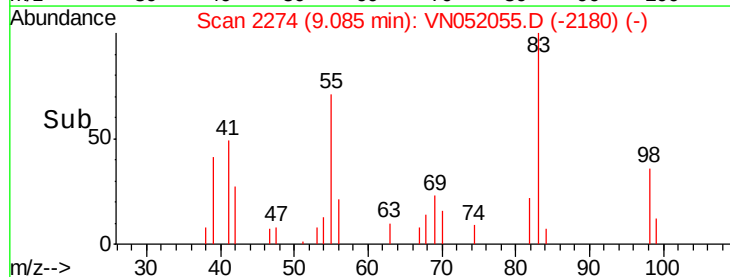
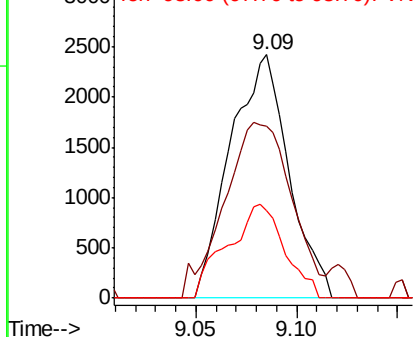


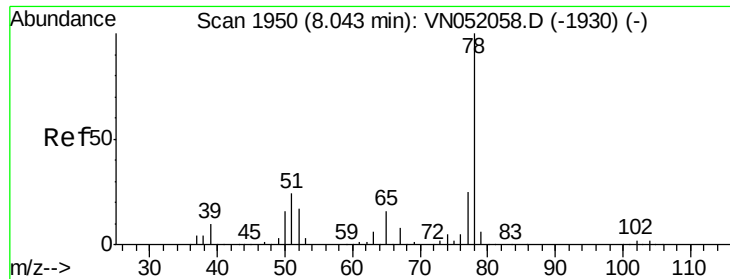
#39
Methylcyclohexane
Concen: 0.939 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion: 83 Resp: 4887
Ion Ratio Lower Upper
83 100
55 56.5 62.0 93.0#
98 36.0 34.7 52.1



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





#40

Benzene

Concen: 0.935 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

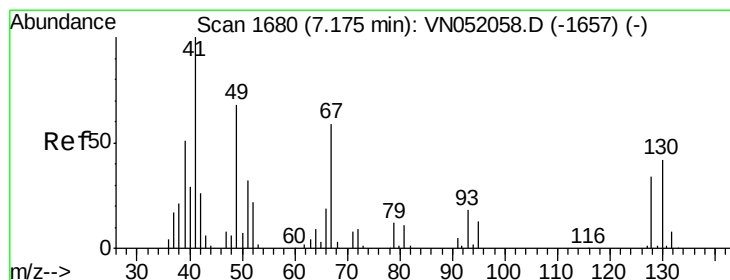
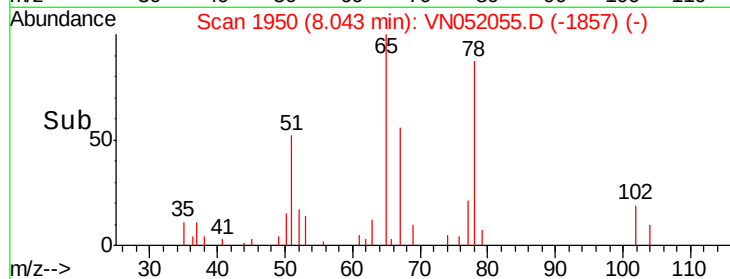
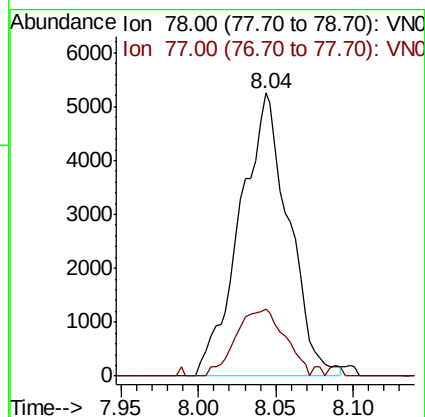
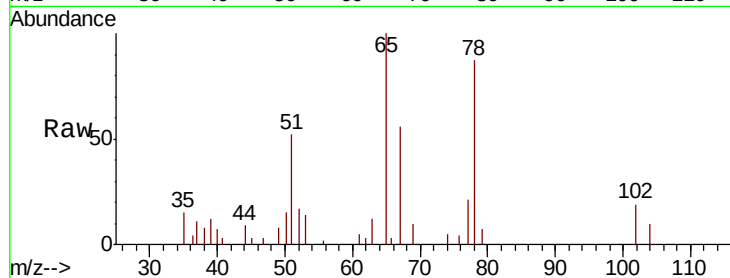
ClientSampled :

Tgt Ion: 78 Resp: 11533

Ion Ratio Lower Upper

78 100

77 23.8 19.8 29.6



#41

Methacrylonitrile

Concen: 0.351 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Tgt Ion: 41 Resp: 350

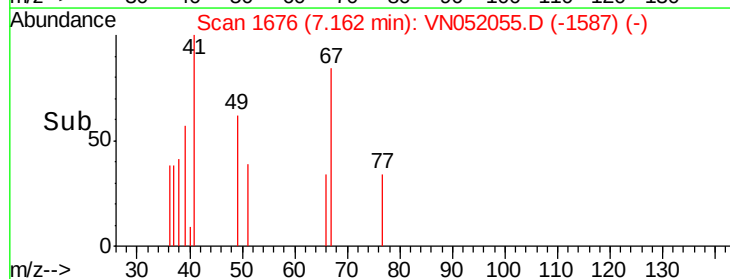
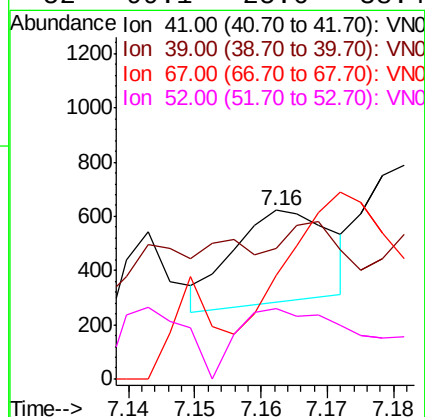
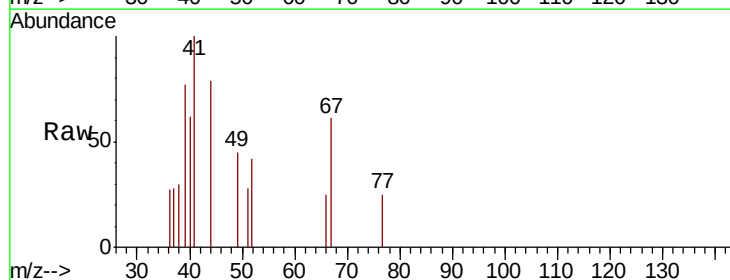
Ion Ratio Lower Upper

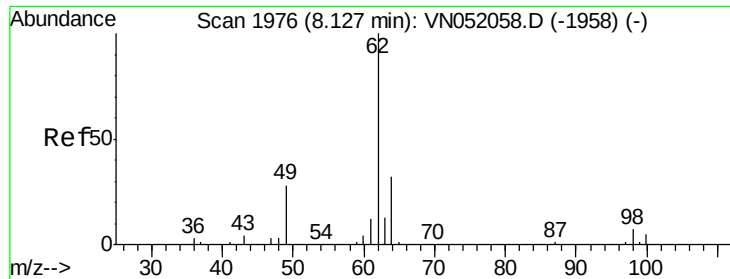
41 100

39 0.0 33.2 49.8#

67 284.9 63.5 95.3#

52 99.1 25.6 38.4#

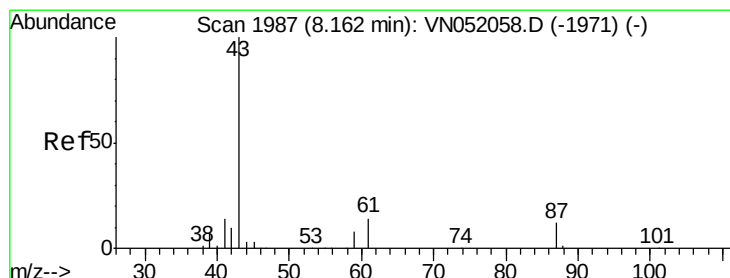
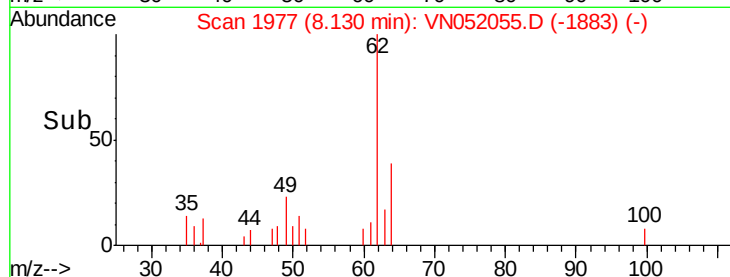
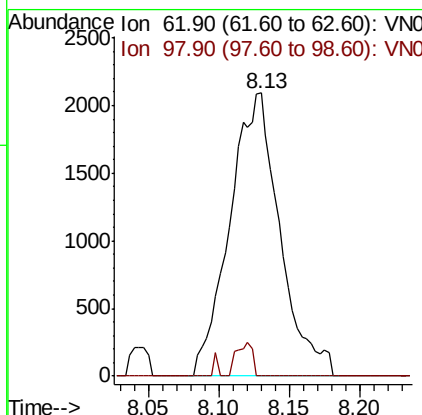
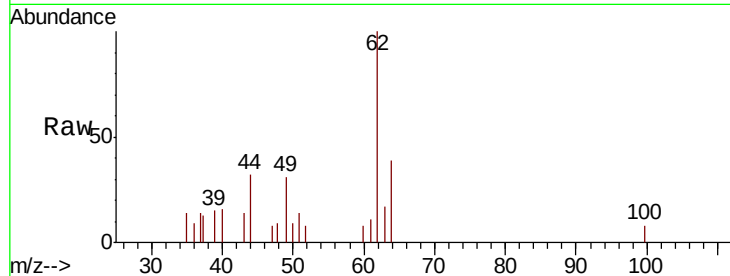




#42
 1,2-Dichloroethane
 Concen: 1.062 ug/l
 RT: 8.13 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

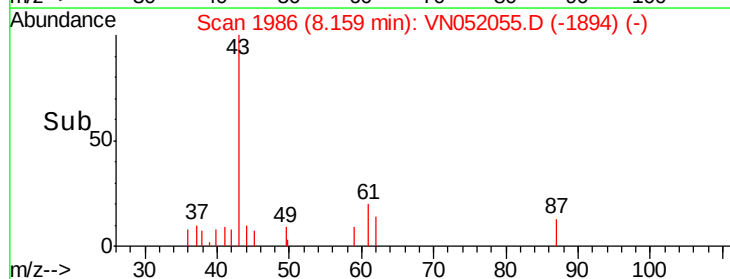
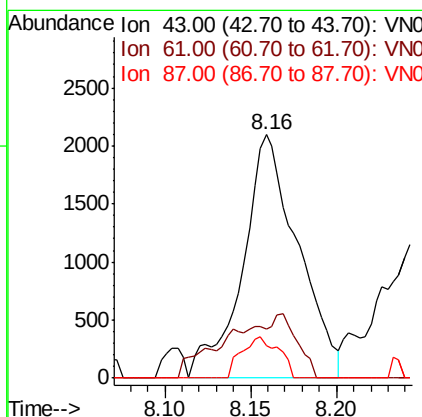
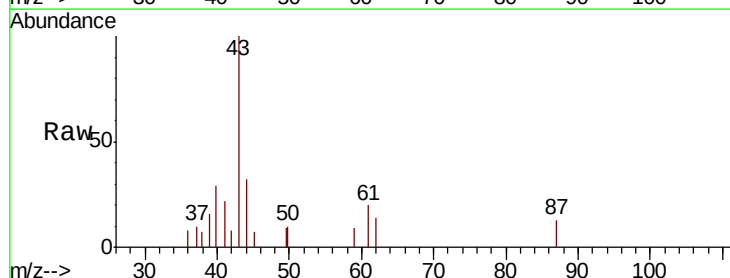
Instrument :
 MSVOA_N
 ClientSampleId :

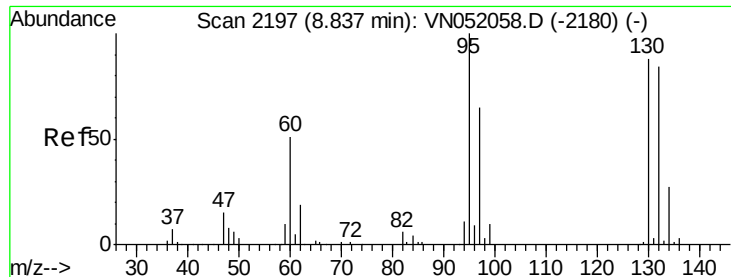
Tgt Ion: 62 Resp: 5202
 Ion Ratio Lower Upper
 62 100
 98 3.8 0.0 15.2



#43
 Isopropyl Acetate
 Concen: 0.931 ug/l
 RT: 8.16 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 43 Resp: 4687
 Ion Ratio Lower Upper
 43 100
 61 33.4 15.4 23.0#
 87 11.4 9.8 14.8





#44

Trichloroethene

Concen: 0.915 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

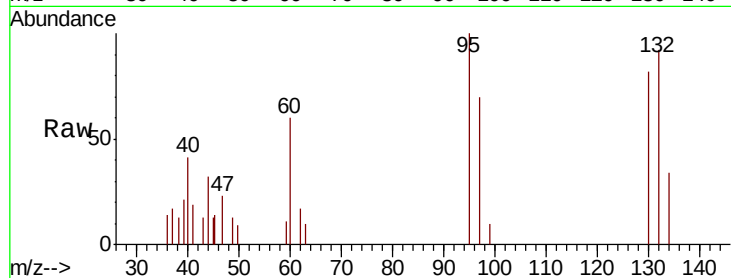
ClientSampleId :

Tgt Ion:130 Resp: 2486

Ion Ratio Lower Upper

130 100

95 122.1 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052055.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN052055.D (-2196) (-)

2000

1500

1000

500

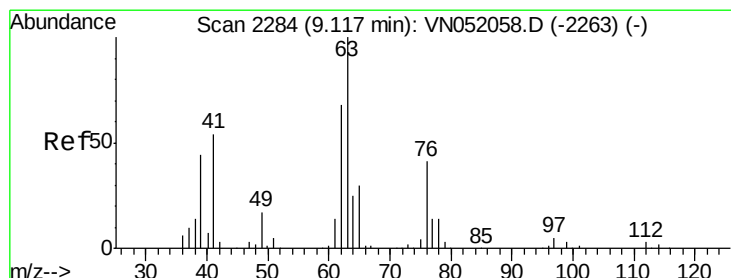
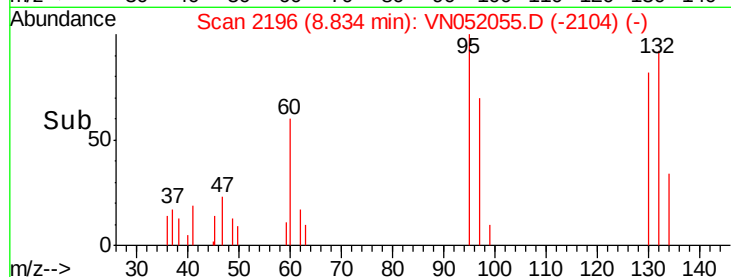
0

8.80

8.83

8.85

Time-->



#45

1,2-Dichloropropane

Concen: 1.034 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052055.D

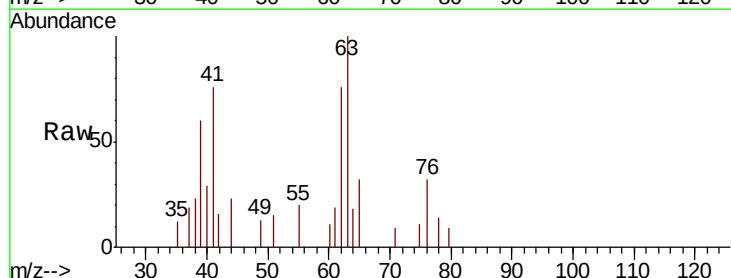
Acq: 30 Oct 2018 9:25

Tgt Ion: 63 Resp: 3861

Ion Ratio Lower Upper

63 100

65 32.3 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN052055.D (-2285) (-)

Ion 64.90 (64.60 to 65.60): VN052055.D (-2285) (-)

2000

1500

1000

500

0

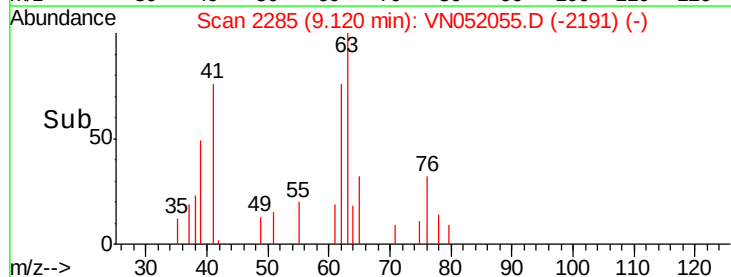
9.05

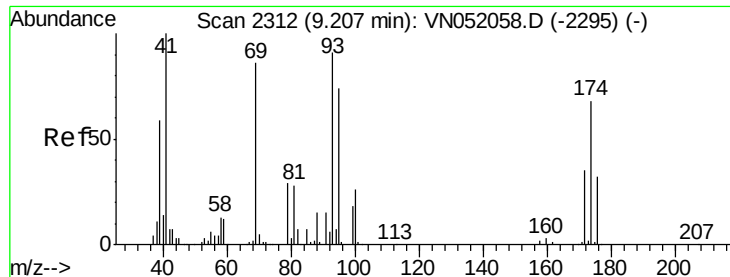
9.10

9.12

9.15

Time-->

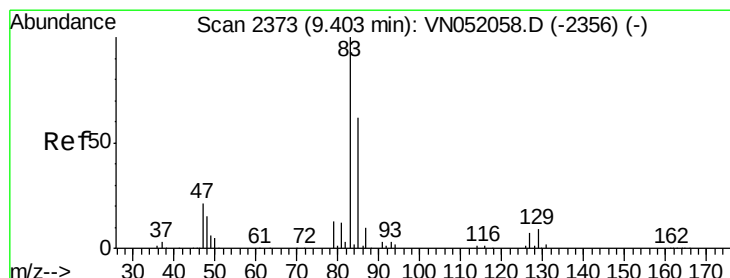
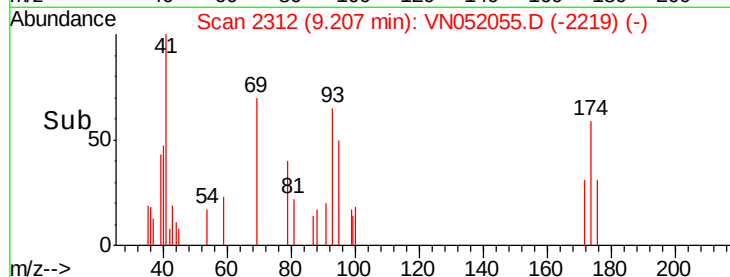
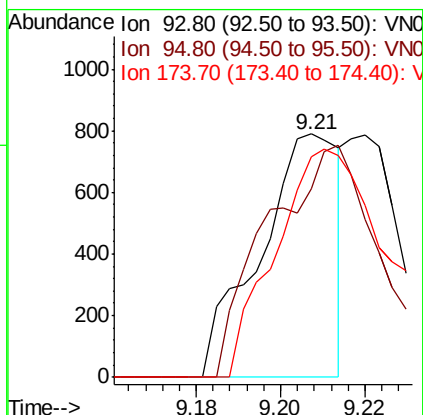
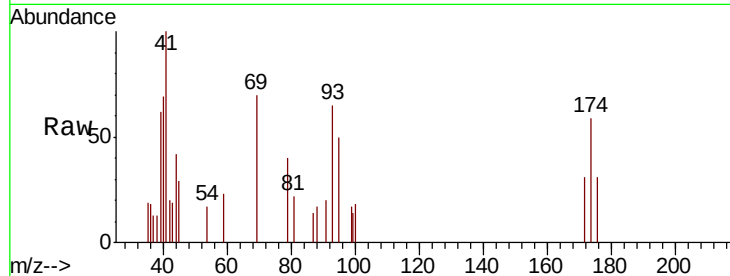




#46
Dibromomethane
Concen: 0.538 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

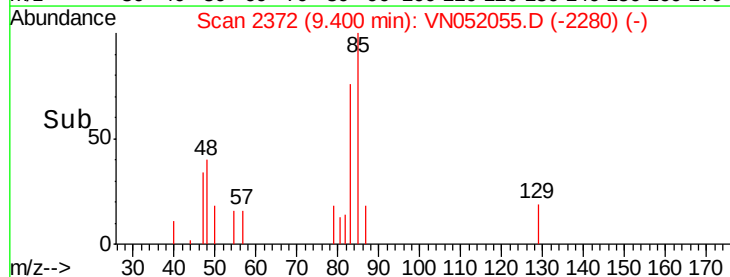
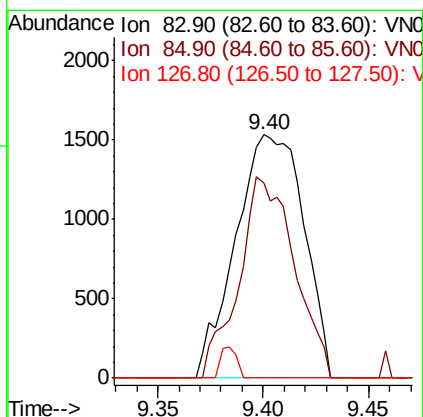
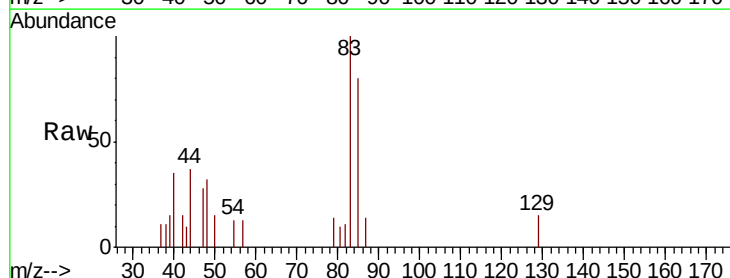
Instrument :
MSVOA_N
ClientSampled :

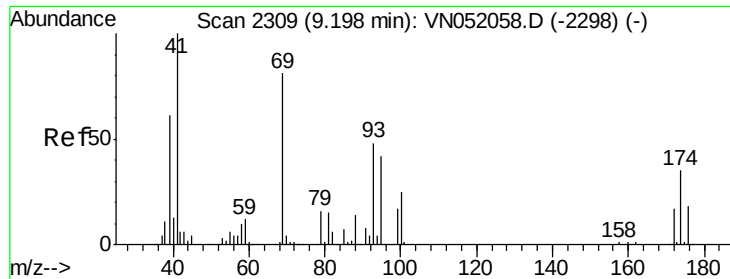
Tgt Ion: 93 Resp: 1024
Ion Ratio Lower Upper
93 100
95 135.7 67.2 100.8#
174 126.8 59.7 89.5#



#47
Bromodichloromethane
Concen: 0.868 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion: 83 Resp: 3452
Ion Ratio Lower Upper
83 100
85 80.2 49.4 74.2#
127 0.0 5.8 8.8#

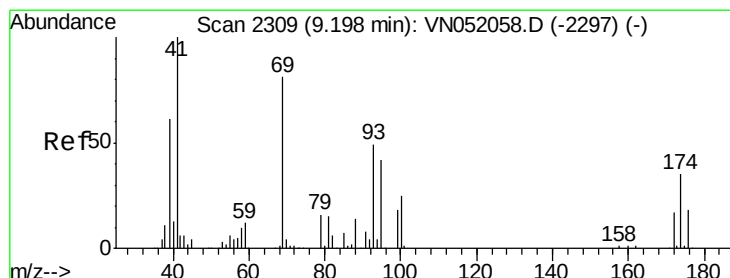
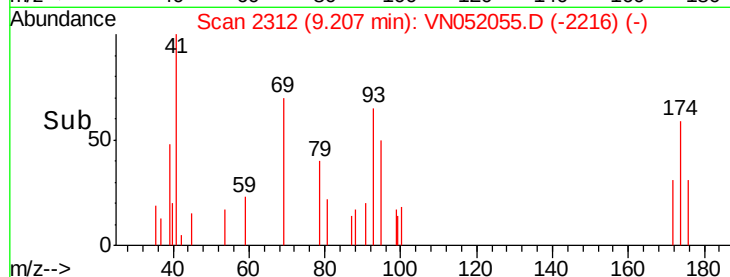
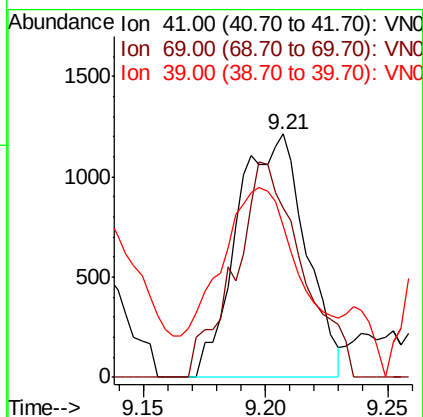
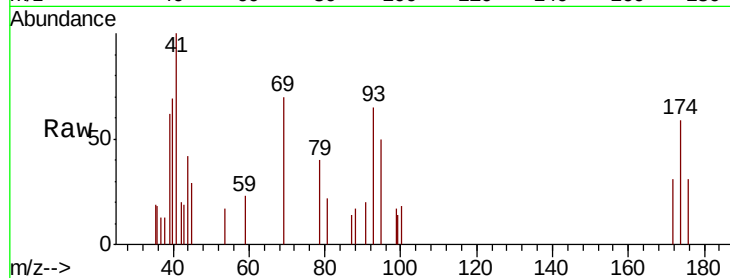




#48
Methyl methacrylate
Concen: 0.929 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

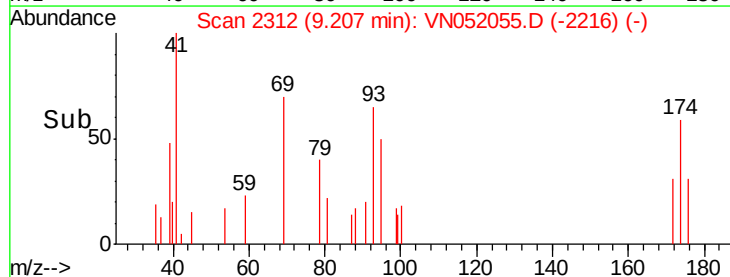
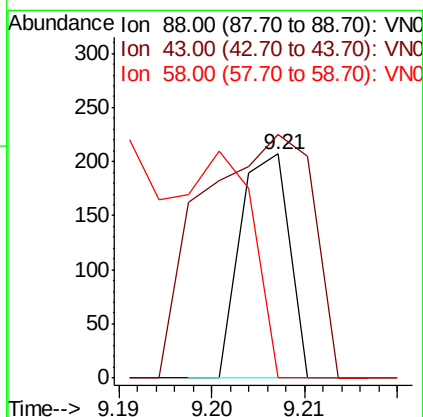
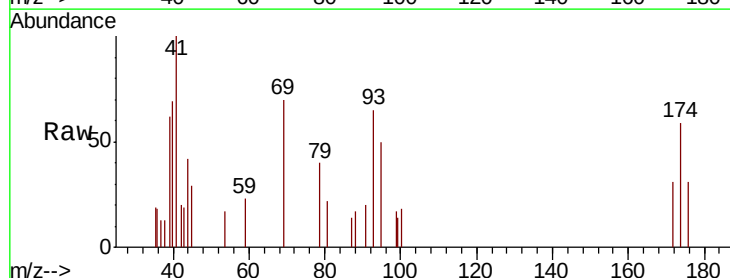
Instrument :
MSVOA_N
ClientSampled :

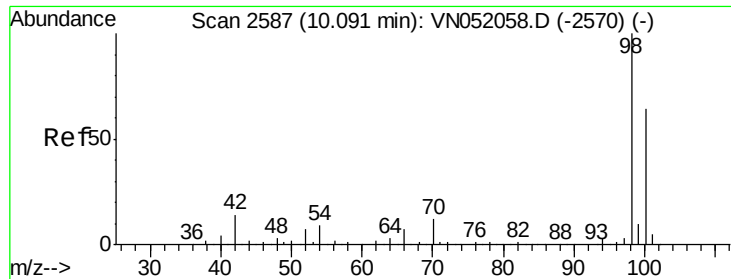
Tgt Ion: 41 Resp: 2364
Ion Ratio Lower Upper
41 100
69 87.1 67.1 100.7
39 61.7 50.5 75.7



#49
1,4-Dioxane
Concen: 6.018 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 246.1 34.1 51.1#
58 0.0 62.8 94.2#





#50

Toluene-d8

Concen: 6.018 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

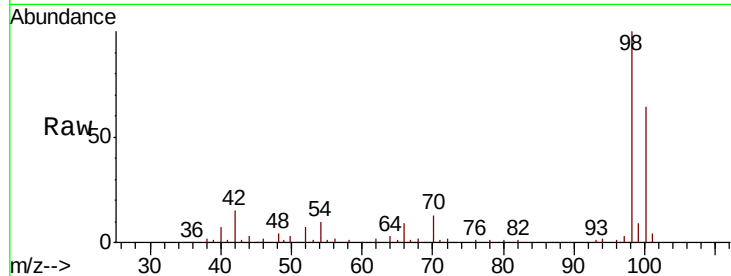
ClientSampleId :

Tgt Ion: 98 Resp: 70152

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052055.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052055.D (-2494) (-)

10.09

40000

30000

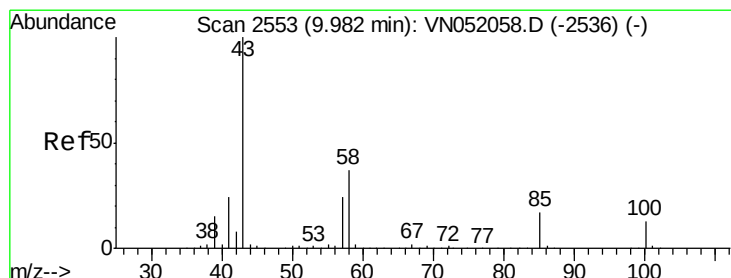
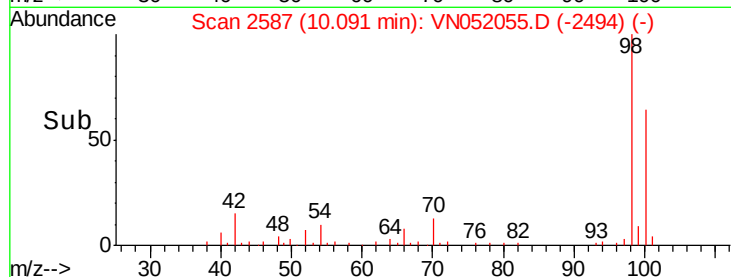
20000

10000

0

Time-->

10.00 10.05 10.10 10.15



#51

4-Methyl-2-Pentanone

Concen: 4.600 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052055.D

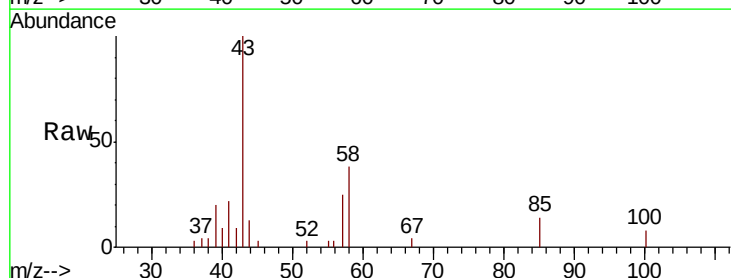
Acq: 30 Oct 2018 9:25

Tgt Ion: 43 Resp: 12551

Ion Ratio Lower Upper

43 100

58 34.3 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VN052055.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN052055.D (-2460) (-)

9.99

6000

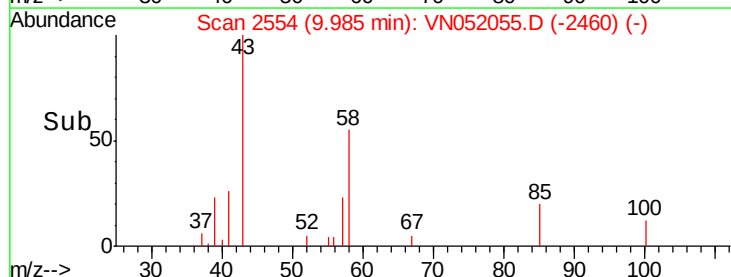
4000

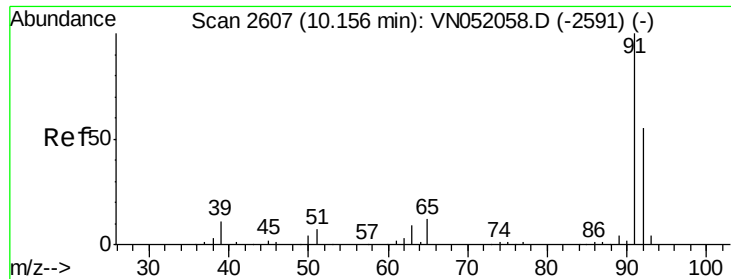
2000

0

Time-->

9.95 10.00 10.05





#52

Toluene

Concen: 0.916 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

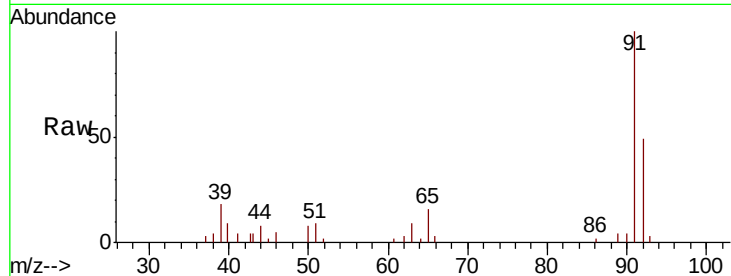
ClientSampleId :

Tgt Ion: 92 Resp: 6785

Ion Ratio Lower Upper

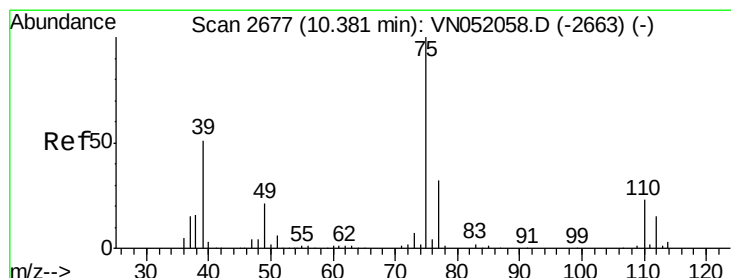
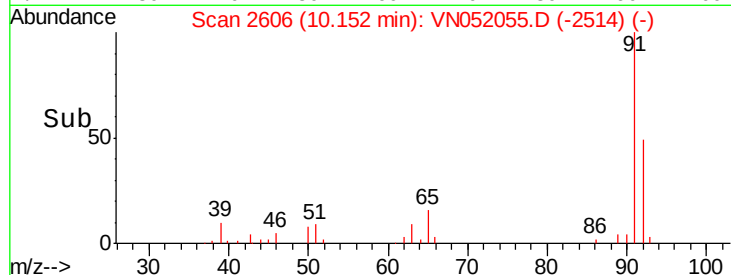
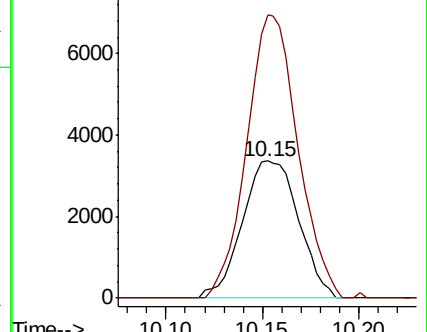
92 100

91 188.1 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-2591) (-)



#53

t-1,3-Dichloropropene

Concen: 0.895 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052055.D

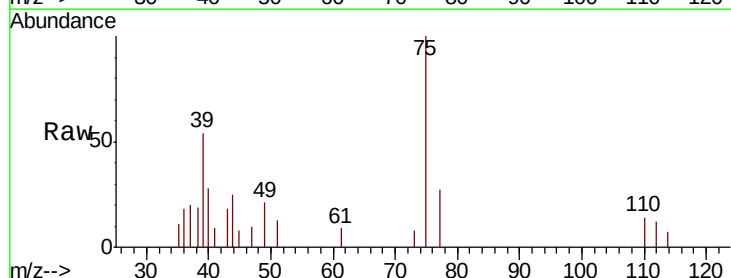
Acq: 30 Oct 2018 9:25

Tgt Ion: 75 Resp: 3812

Ion Ratio Lower Upper

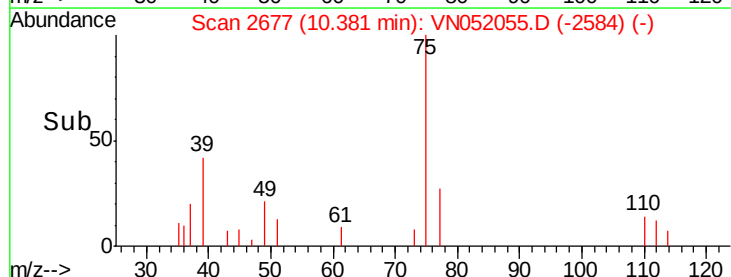
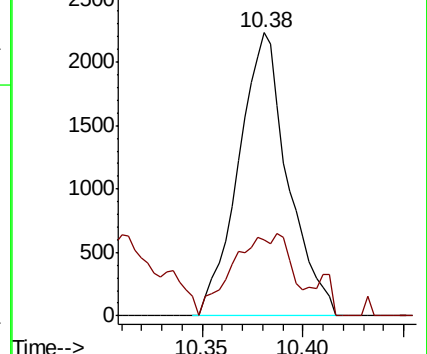
75 100

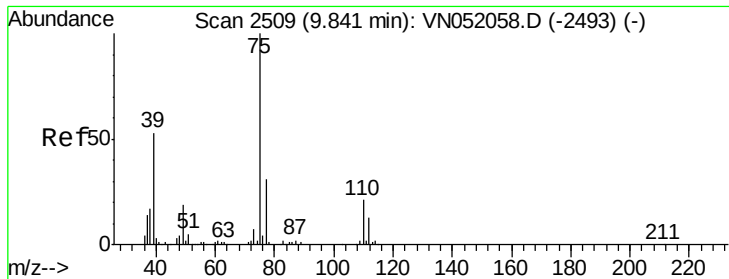
77 27.0 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-2663) (-)

Ion 76.90 (76.60 to 77.60): VN052058.D (-2663) (-)



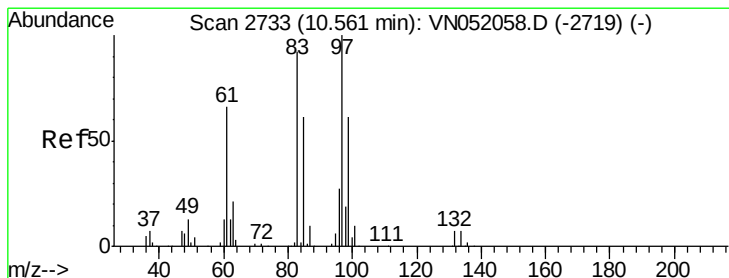
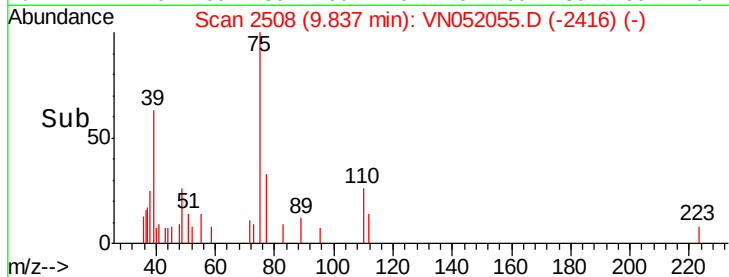
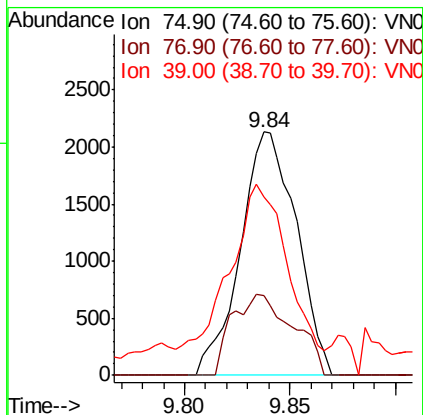
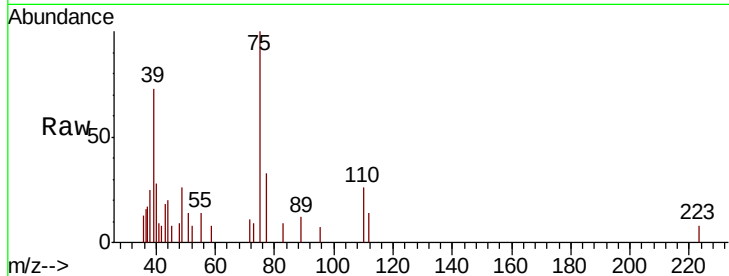


#54

cis-1,3-Dichloropropene
 Concen: 0.850 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Instrument :
 MSVOA_N
 ClientSampled :

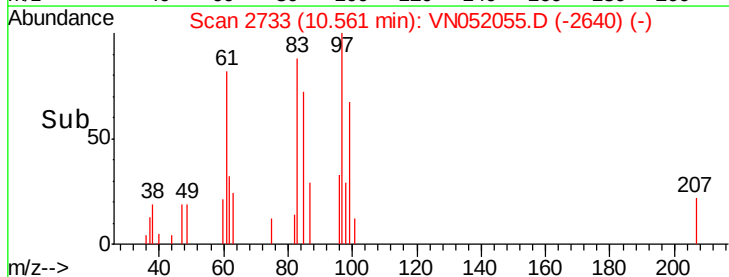
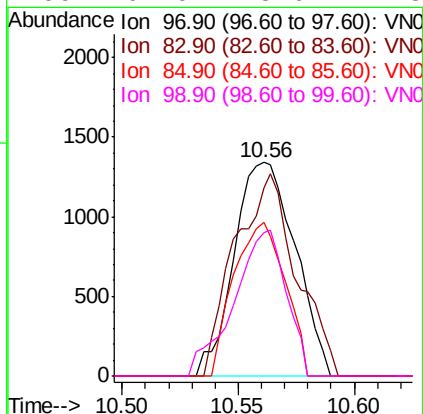
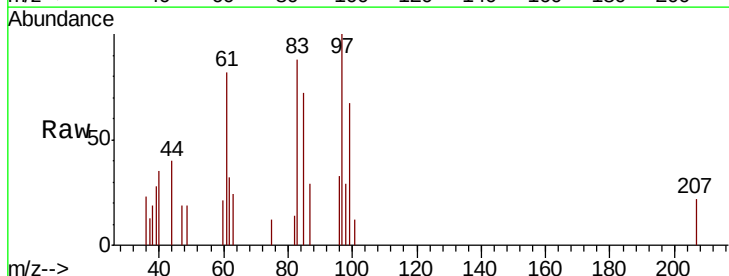
Tgt Ion: 75 Resp: 3924
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.4
 39 58.9 42.3 63.5

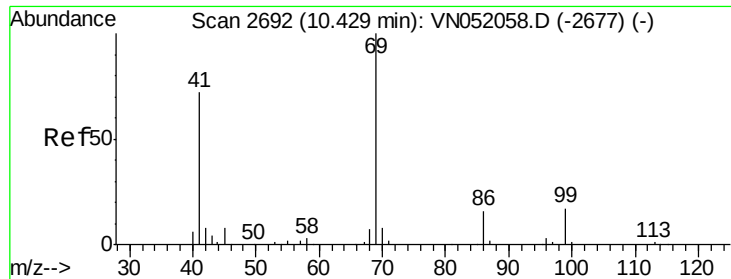


#55

1,1,2-Trichloroethane
 Concen: 0.925 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 97 Resp: 2452
 Ion Ratio Lower Upper
 97 100
 83 88.1 73.8 110.8
 85 71.7 48.4 72.6
 99 67.0 48.6 72.8





#56

Ethyl methacrylate

Concen: 0.946 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

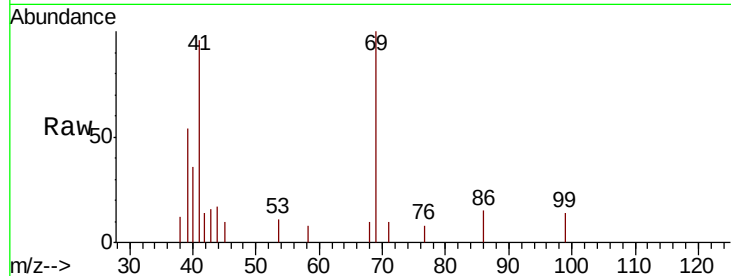
Tgt Ion: 69 Resp: 3666

Ion Ratio Lower Upper

69 100

41 72.5 55.5 83.3

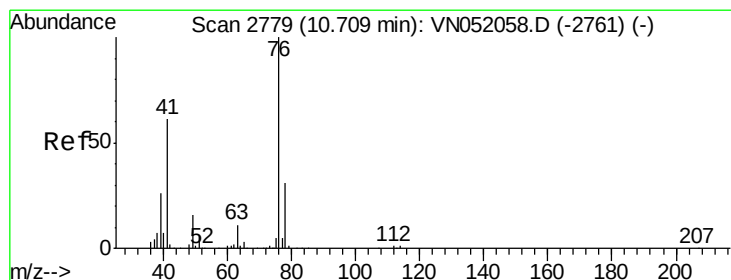
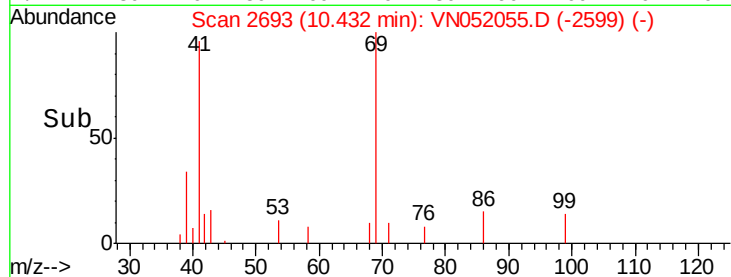
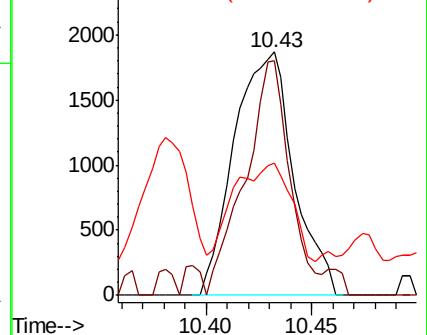
39 41.0 33.0 49.4



Abundance Ion 69.00 (68.70 to 69.70): VN052055.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN052055.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN052055.D (-2677) (-)



#57

1,3-Dichloropropane

Concen: 0.941 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.01 min

Lab File: VN052055.D

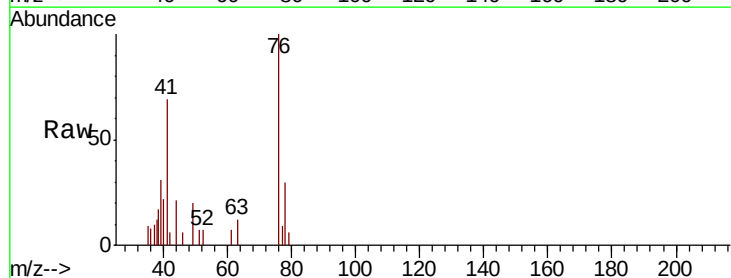
Acq: 30 Oct 2018 9:25

Tgt Ion: 76 Resp: 4586

Ion Ratio Lower Upper

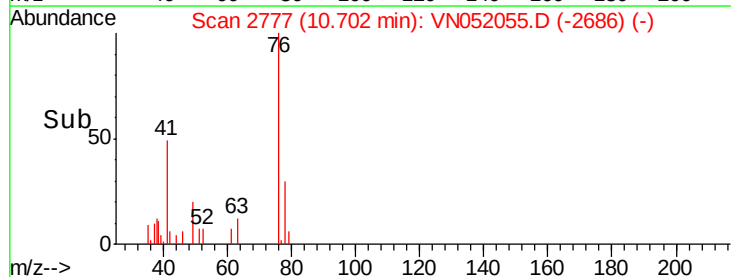
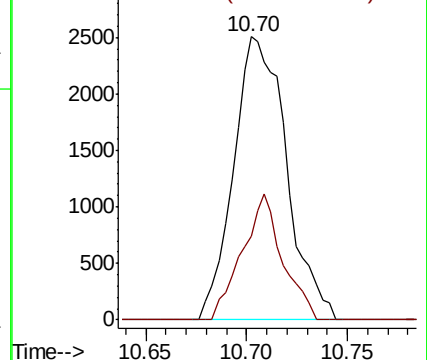
76 100

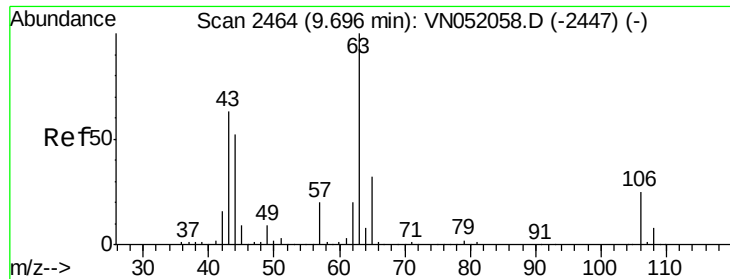
78 34.0 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN052055.D (-2686) (-)

Ion 77.90 (77.60 to 78.60): VN052055.D (-2686) (-)

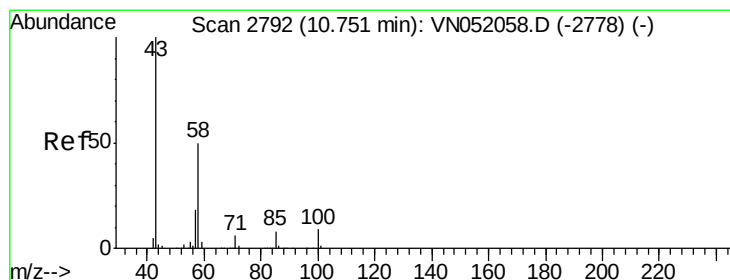
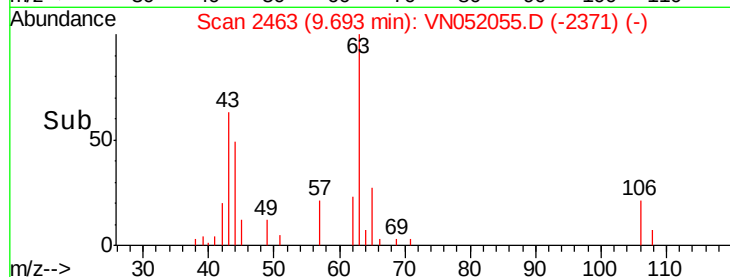
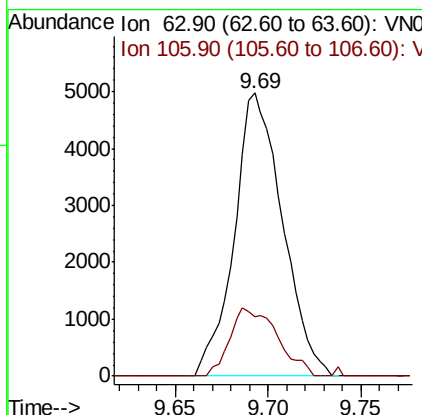
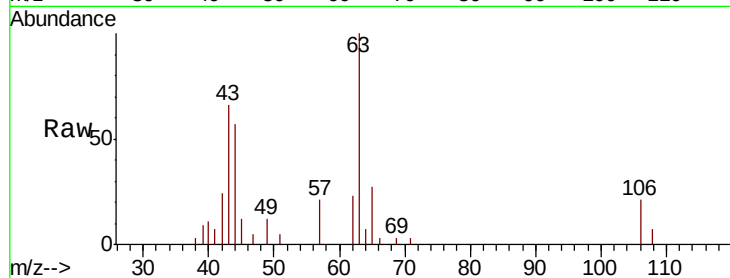




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.531 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

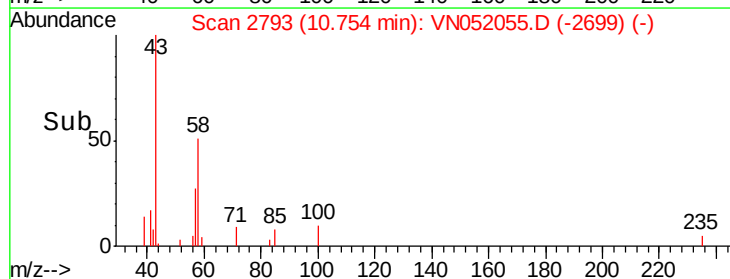
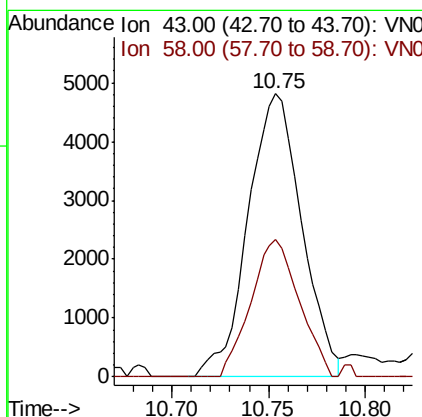
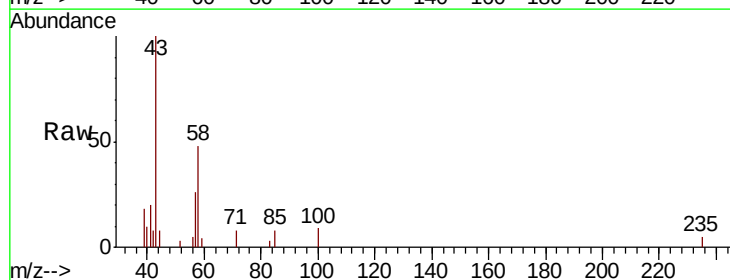
Instrument :
 MSVOA_N
 ClientSampled :

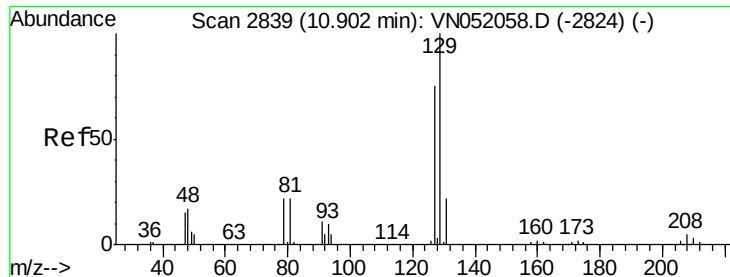
Tgt Ion: 63 Resp: 8998
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.4 29.2



#59
 2-Hexanone
 Concen: 4.736 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 43 Resp: 9280
 Ion Ratio Lower Upper
 43 100
 58 43.6 25.2 75.6

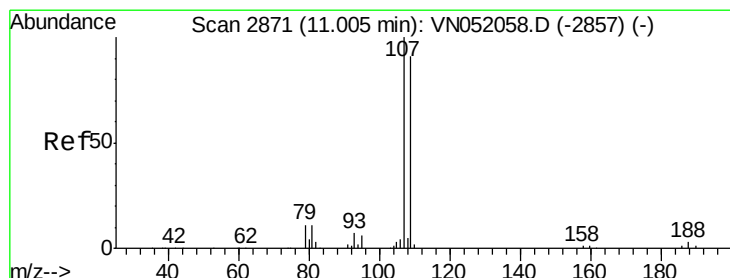
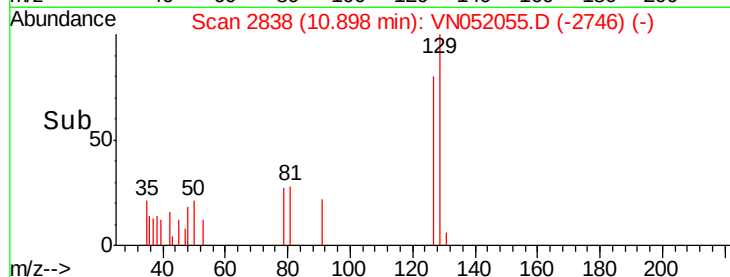
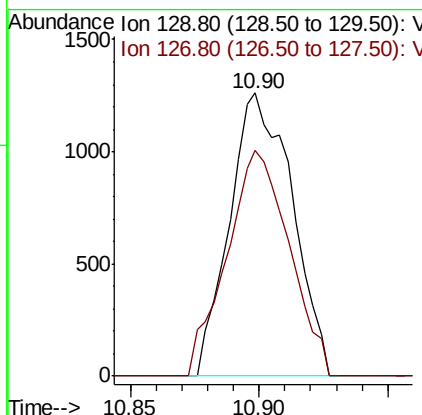
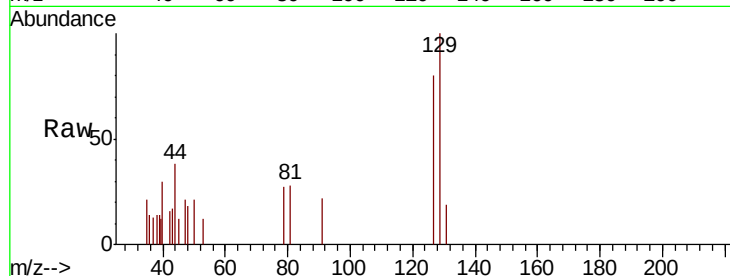




#60
 Dibromochloromethane
 Concen: 0.846 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

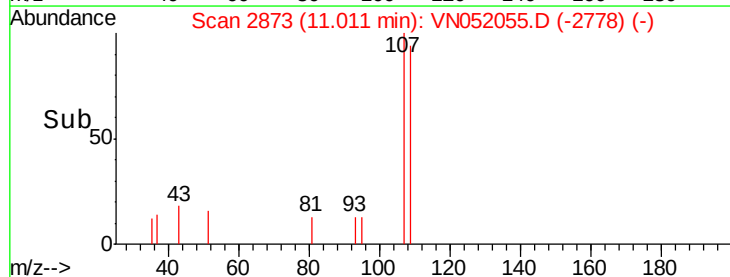
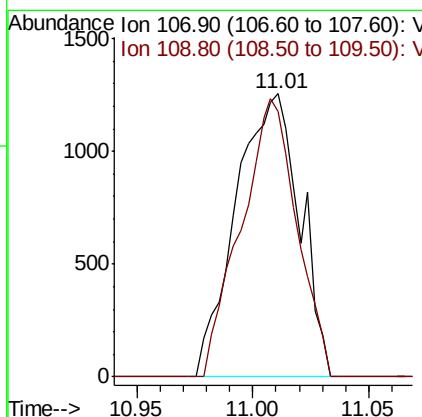
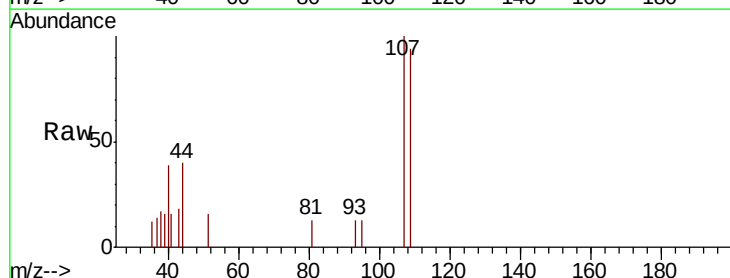
Instrument :
 MSVOA_N
 ClientSampled :

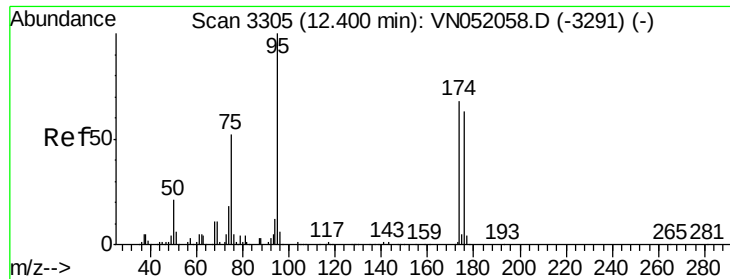
Tgt Ion:129 Resp: 2130
 Ion Ratio Lower Upper
 129 100
 127 79.6 38.5 115.5



#61
 1,2-Dibromoethane
 Concen: 0.915 ug/l
 RT: 11.01 min Scan# 2873
 Delta R.T. 0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion:107 Resp: 2406
 Ion Ratio Lower Upper
 107 100
 109 86.0 75.1 112.7

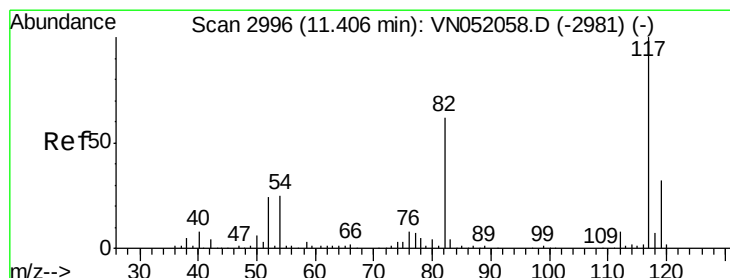
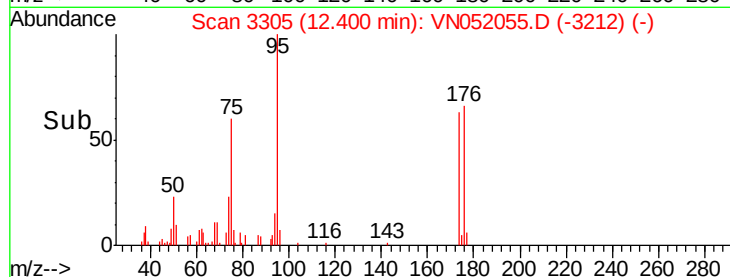
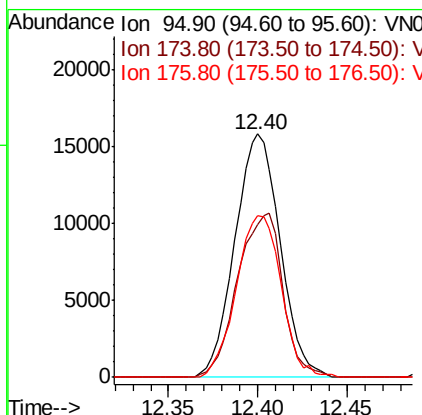
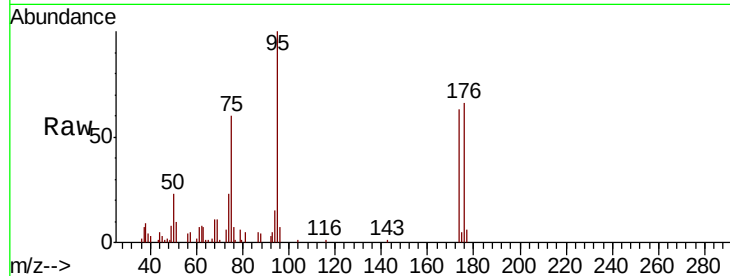




#62
4-Bromofluorobenzene
Concen: 0.915 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

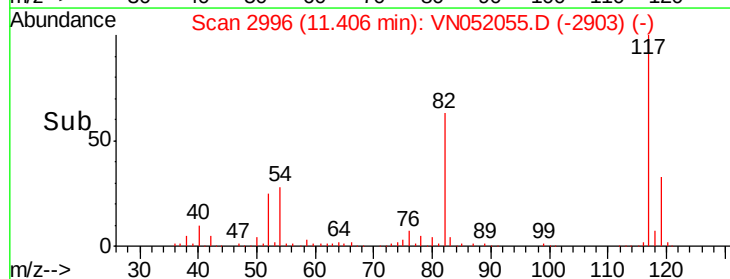
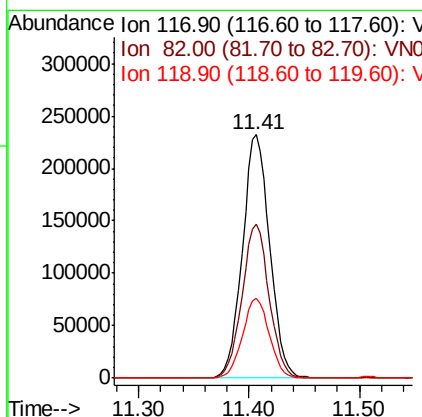
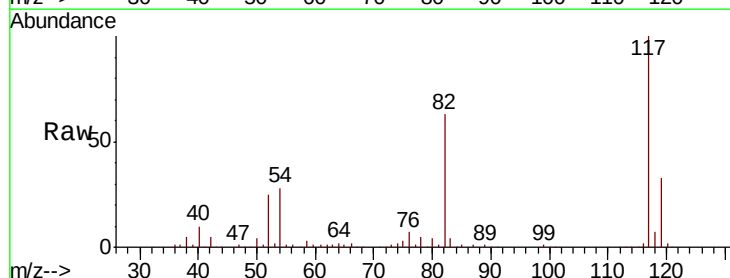
Instrument :
MSVOA_N
ClientSampled :

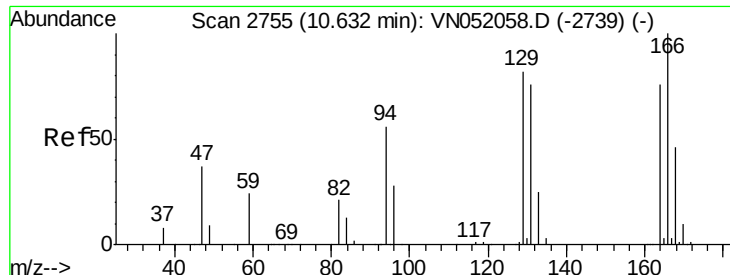
Tgt Ion: 95 Resp: 27997
Ion Ratio Lower Upper
95 100
174 67.5 0.0 131.8
176 66.0 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion: 117 Resp: 395861
Ion Ratio Lower Upper
117 100
82 63.3 49.9 74.9
119 32.9 25.7 38.5





#64

Tetrachloroethene

Concen: 0.959 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

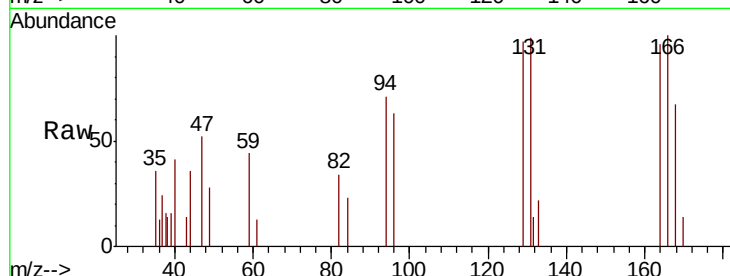
Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

ClientSampled :



Tgt Ion:164 Resp: 2183

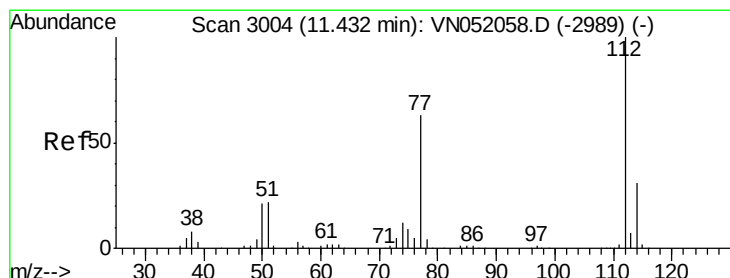
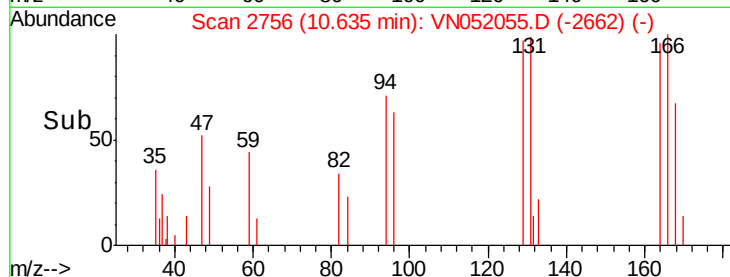
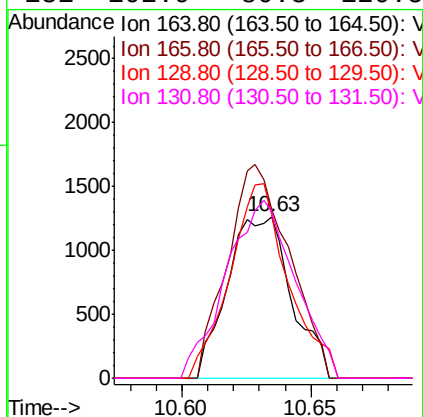
Ion Ratio Lower Upper

164 100

166 104.3 105.4 158.0#

129 101.7 86.1 129.1

131 102.9 80.3 120.5



#65

Chlorobenzene

Concen: 0.959 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052055.D

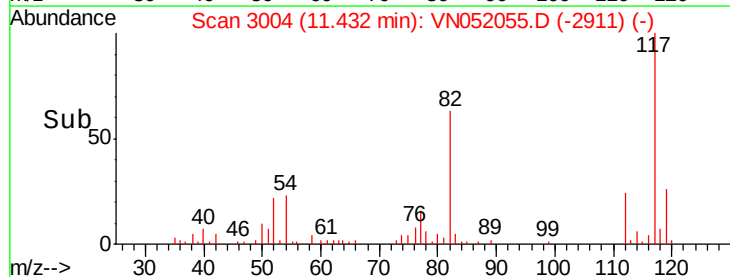
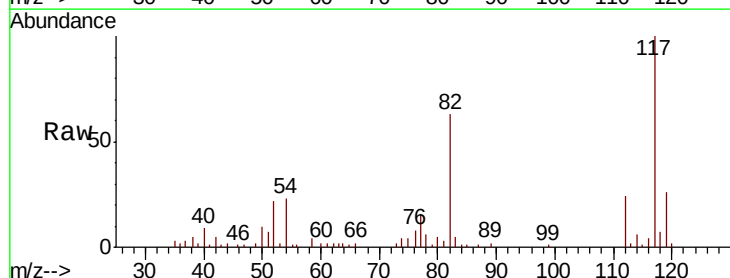
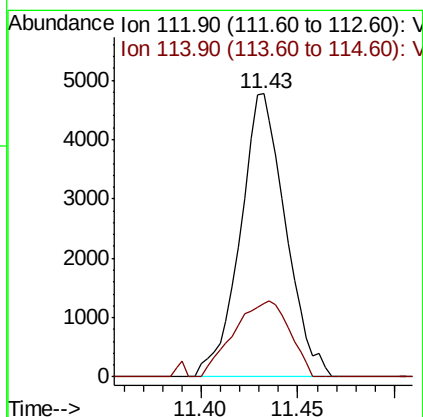
Acq: 30 Oct 2018 9:25

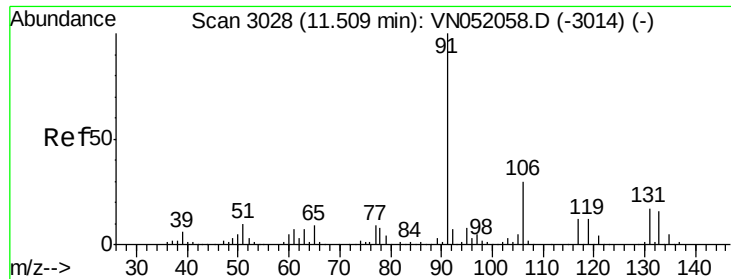
Tgt Ion:112 Resp: 7784

Ion Ratio Lower Upper

112 100

114 25.9 25.1 37.7

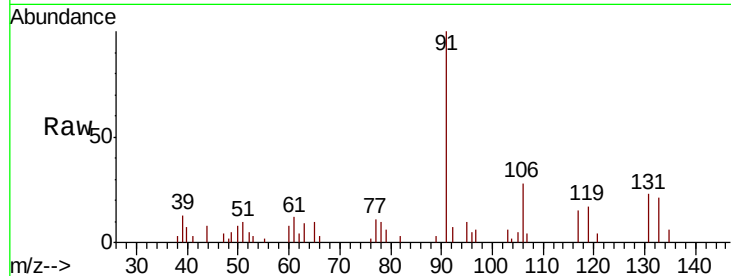




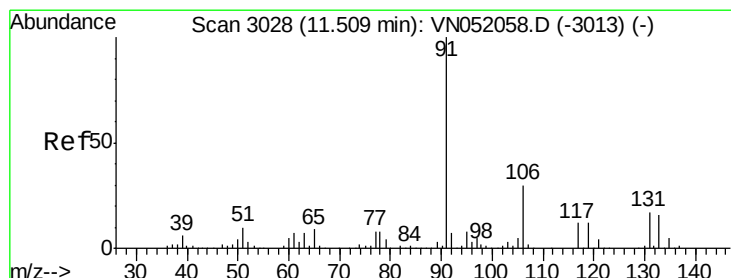
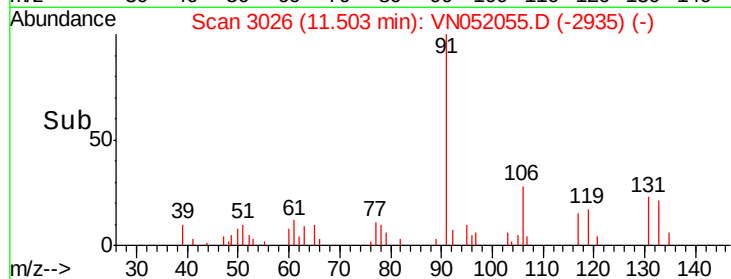
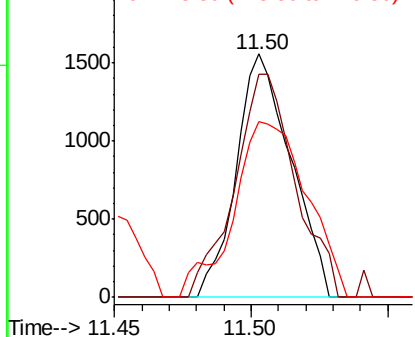
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.873 ug/l
 RT: 11.50 min Scan# 3026
 Delta R.T. -0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion: 131 Resp: 2161
 Ion Ratio Lower Upper
 131 100
 133 101.5 47.6 142.9
 119 0.0 34.4 103.2#

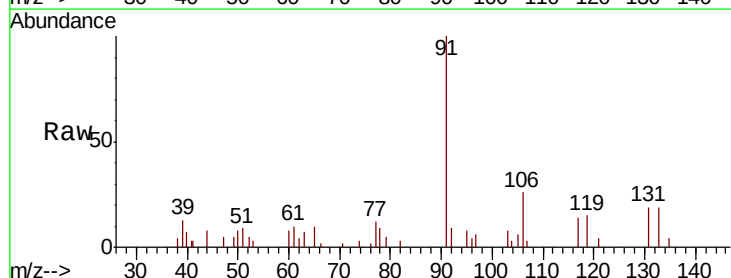


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

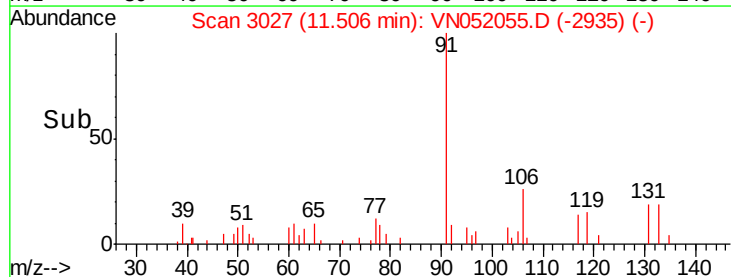
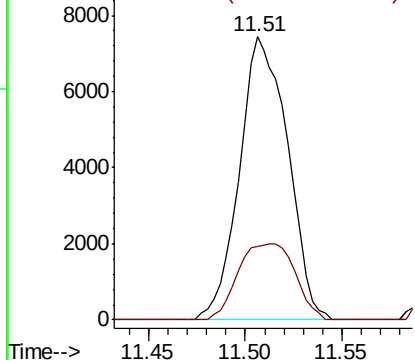


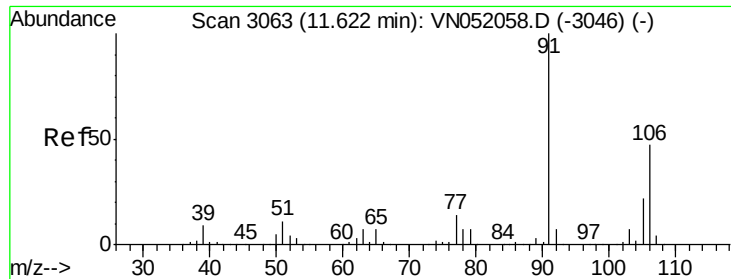
#67
 Ethyl Benzene
 Concen: 0.907 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 91 Resp: 12894
 Ion Ratio Lower Upper
 91 100
 106 26.1 24.1 36.1



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

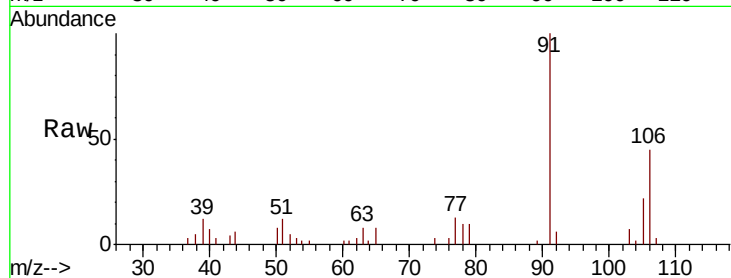




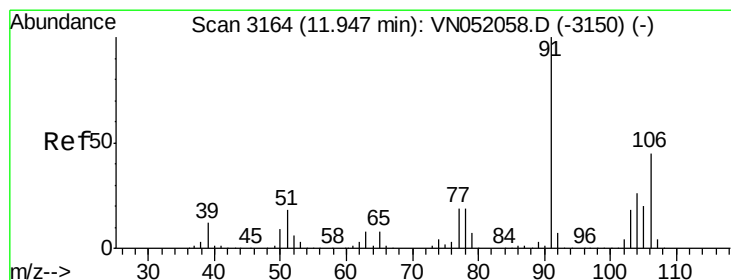
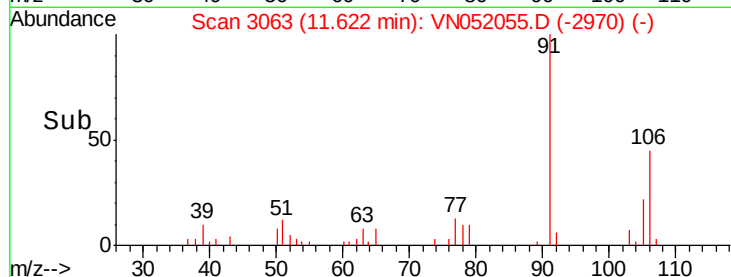
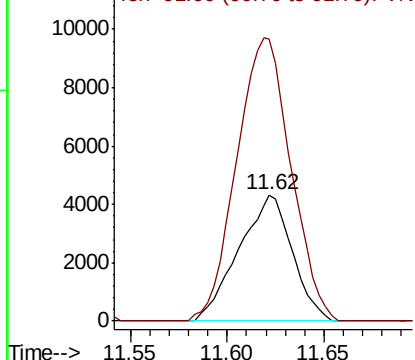
#68
m/p-Xylenes
Concen: 1.678 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:106 Resp: 8281
Ion Ratio Lower Upper
106 100
91 228.9 168.7 253.1

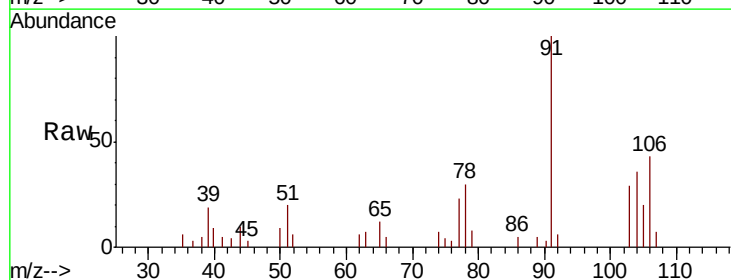


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

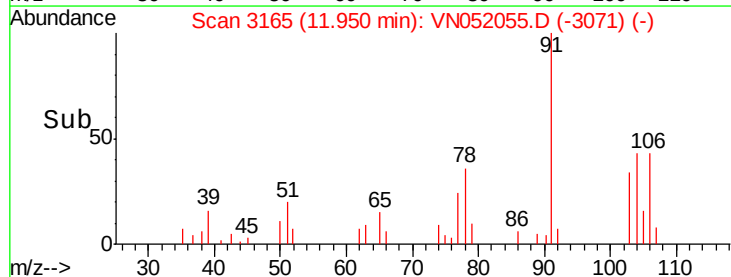
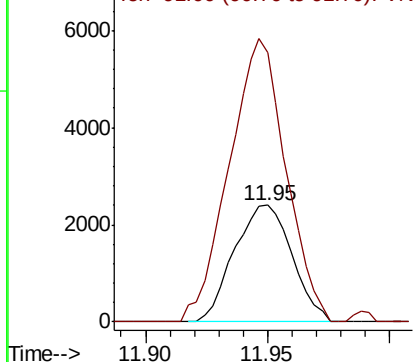


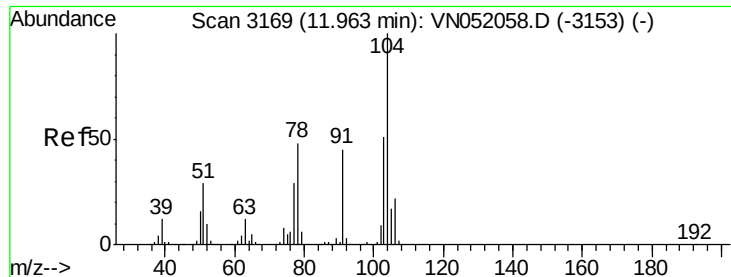
#69
o-Xylene
Concen: 0.821 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion:106 Resp: 3951
Ion Ratio Lower Upper
106 100
91 237.8 109.6 328.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

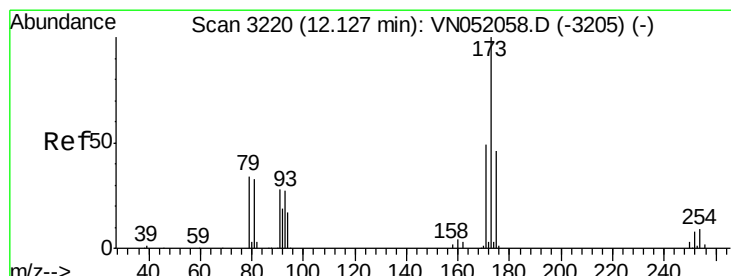
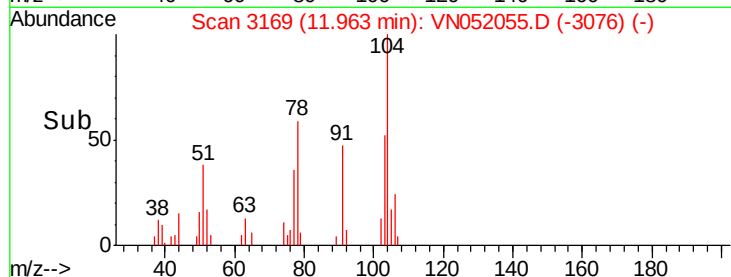
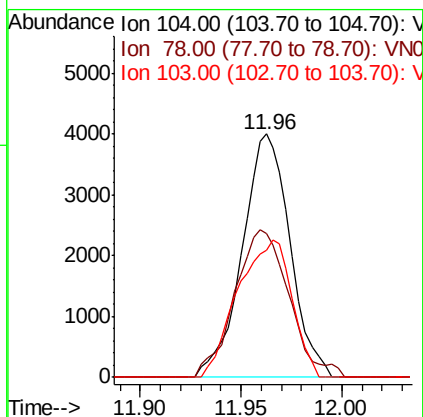
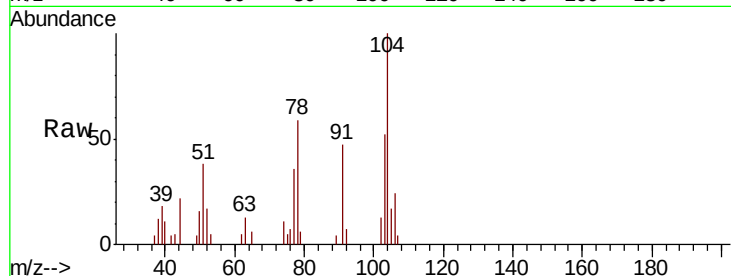




#70
Styrene
Concen: 0.833 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

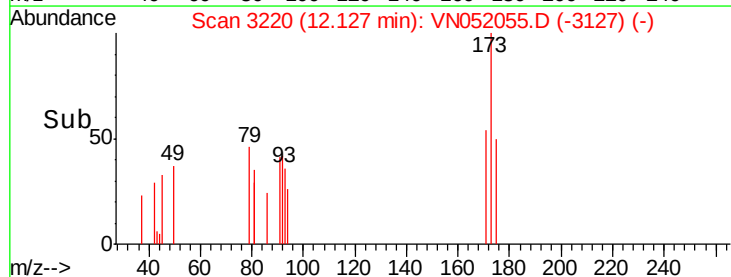
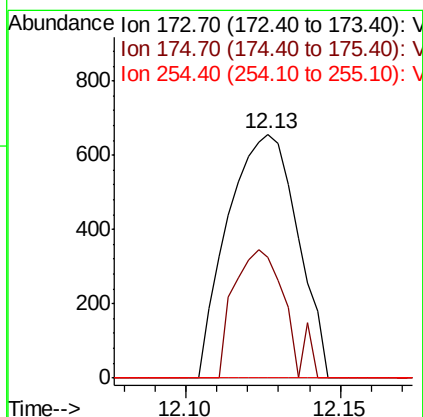
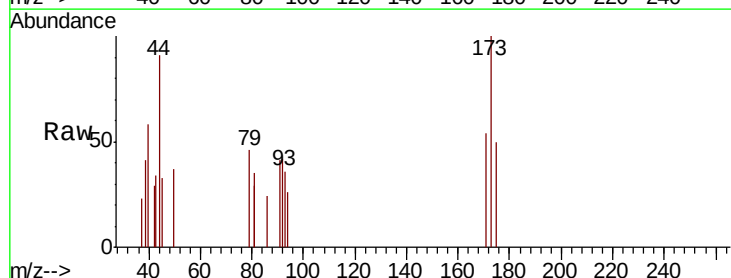
Instrument :
MSVOA_N
ClientSampled :

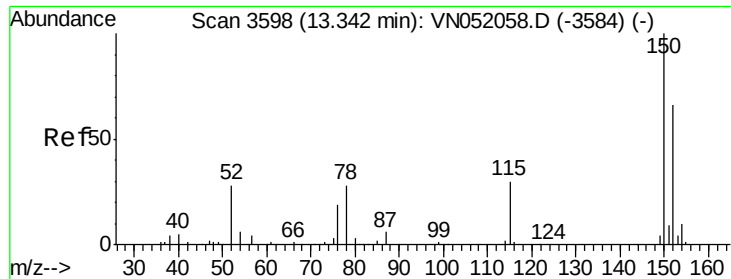
Tgt Ion:104 Resp: 6613
Ion Ratio Lower Upper
104 100
78 69.1 43.0 64.6#
103 64.0 45.1 67.7



#71
Bromoform
Concen: 0.782 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion:173 Resp: 1030
Ion Ratio Lower Upper
173 100
175 38.9 23.9 71.7
254 0.0 0.0 0.0



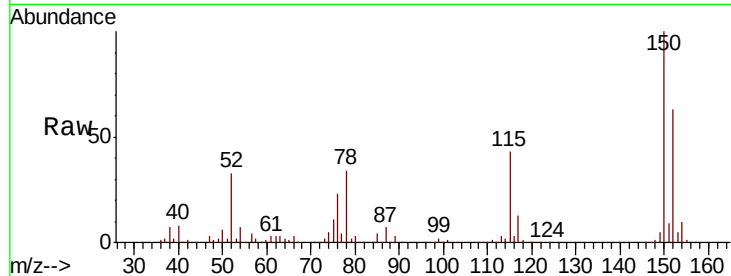


#72

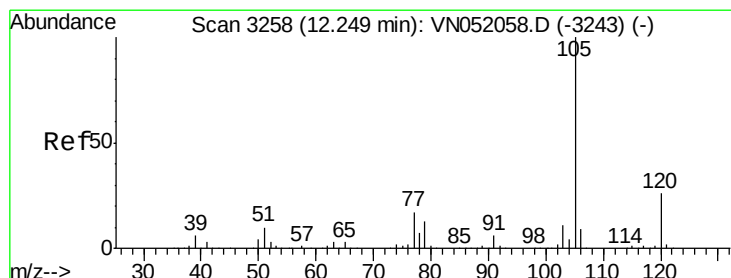
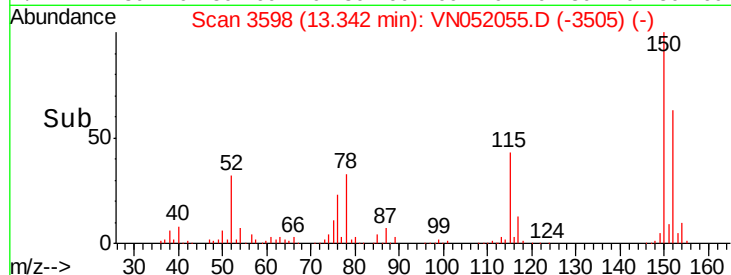
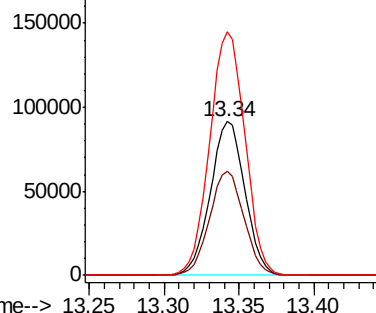
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:152 Resp: 147275
Ion Ratio Lower Upper
152 100
115 67.2 31.6 95.0
150 161.4 0.0 345.0



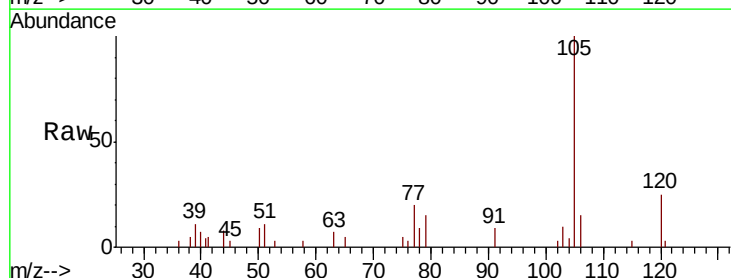
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



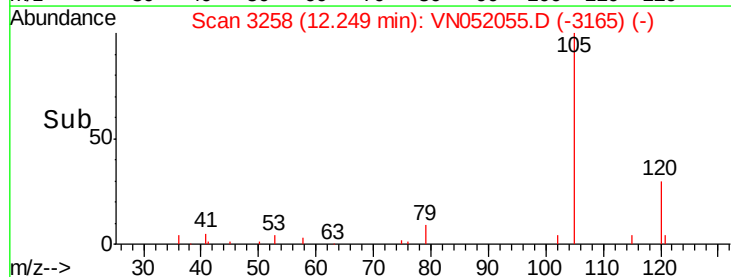
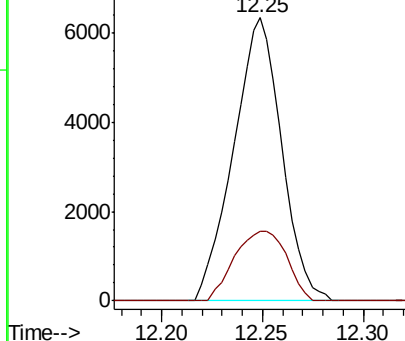
#73

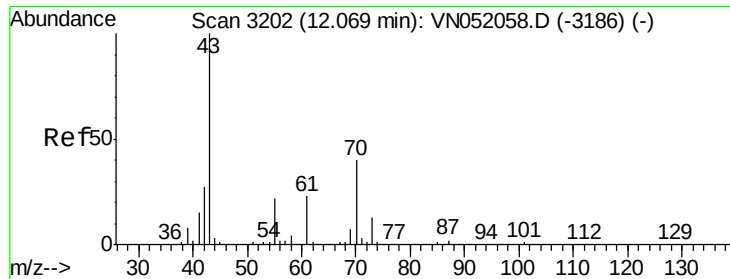
Isopropylbenzene
Concen: 0.907 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion:105 Resp: 10528
Ion Ratio Lower Upper
105 100
120 26.9 12.8 38.4



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





#74

N-ethyl acetate

Concen: 1.053 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

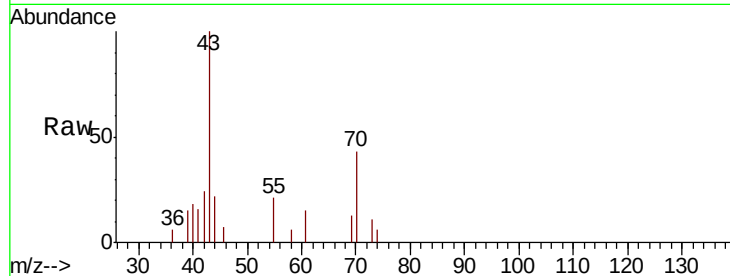
Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

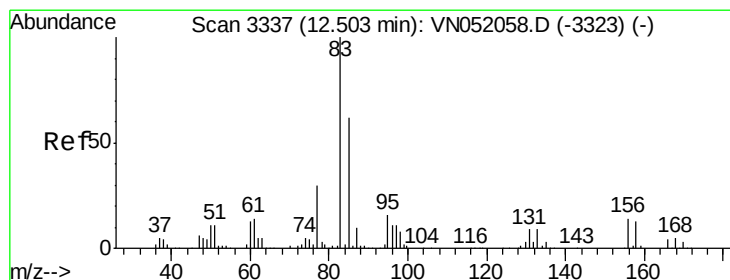
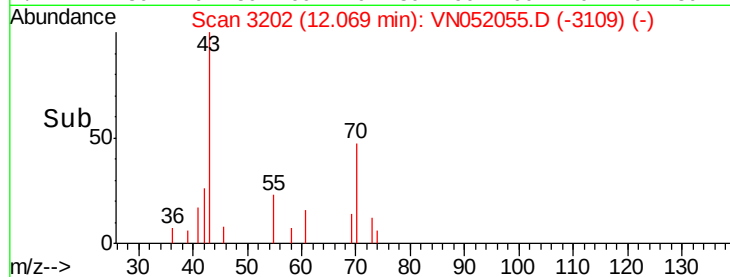
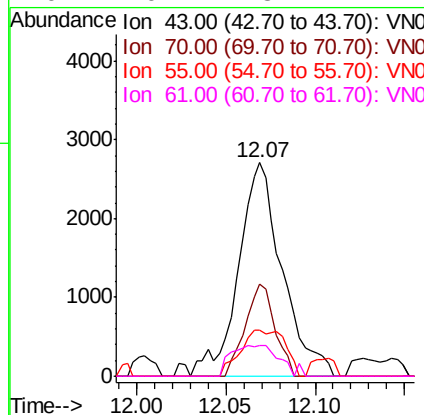
Instrument :

MSVOA_N

ClientSampled :



Tgt Ion:	43	Resp:	4644
Ion	Ratio	Lower	Upper
43	100		
70	29.5	31.9	47.9#
55	21.9	18.4	27.6
61	16.2	18.2	27.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.004 ug/l

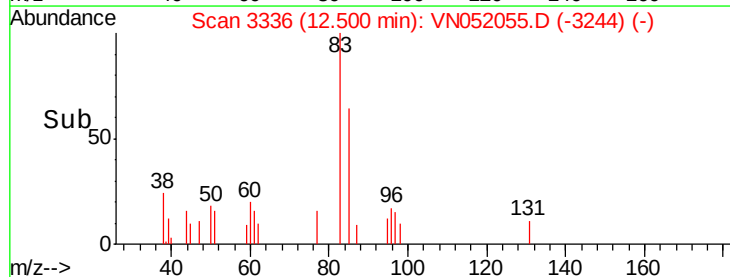
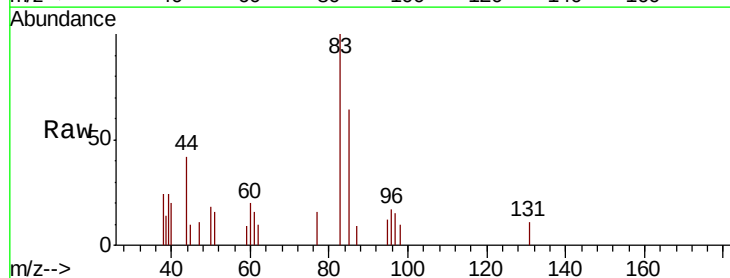
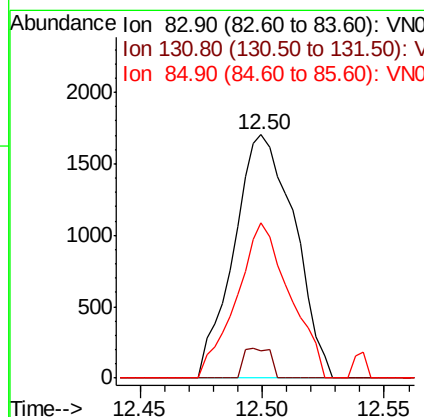
RT: 12.50 min Scan# 3336

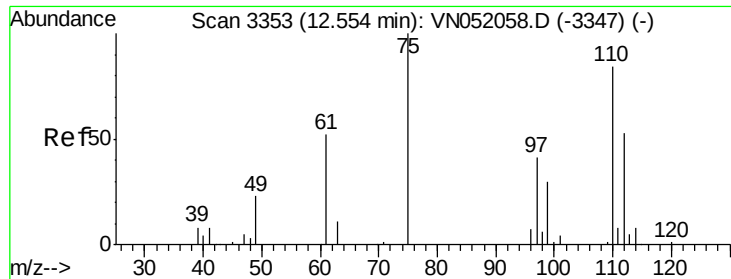
Delta R.T. -0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Tgt Ion:	83	Resp:	2936
Ion	Ratio	Lower	Upper
83	100		
131	5.3	4.5	13.4
85	55.9	31.3	93.9

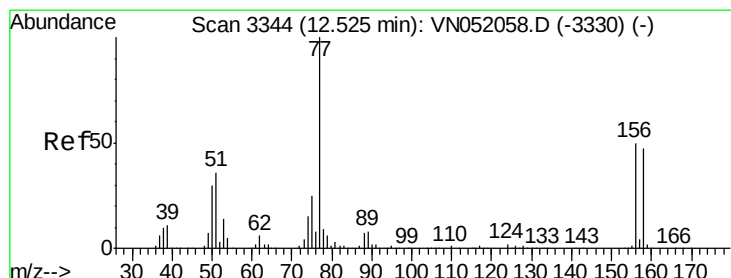
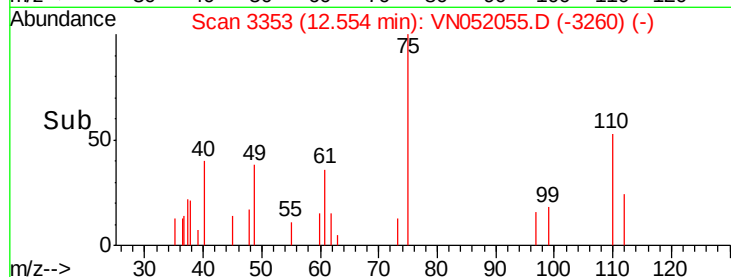
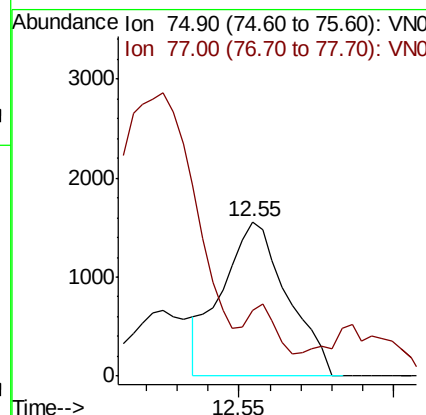
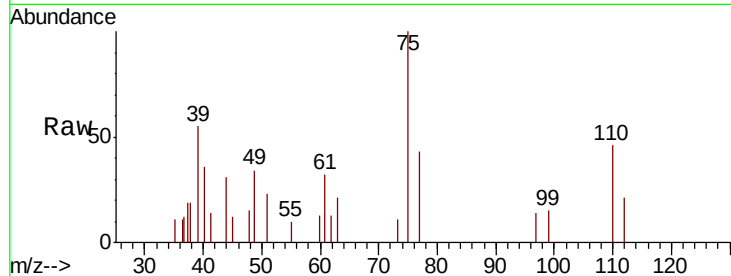




#76
1,2,3-Trichloropropane
Concen: 0.914 ug/l
RT: 12.55 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

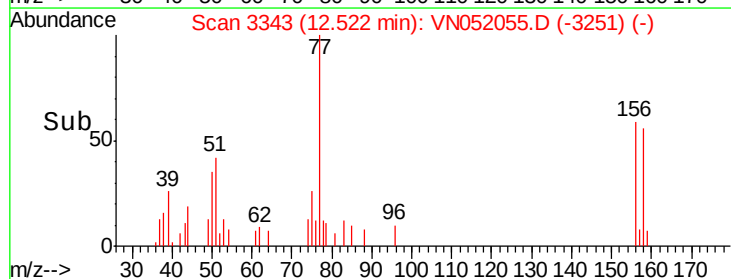
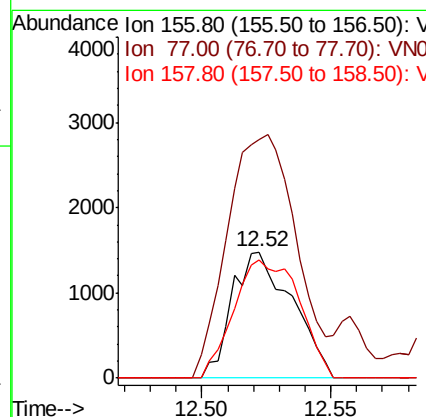
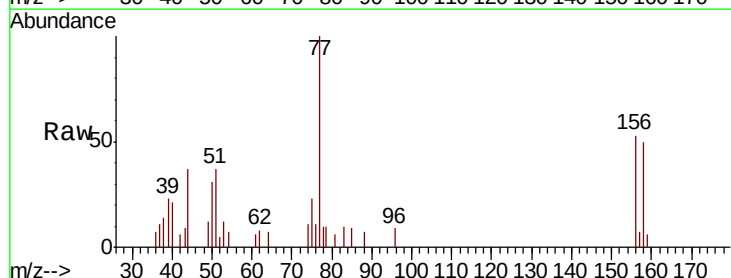
Instrument :
MSVOA_N
ClientSampled :

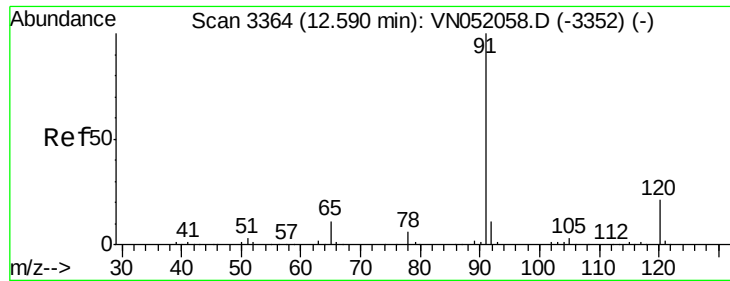
Tgt Ion: 75 Resp: 2280
Ion Ratio Lower Upper
75 100
77 23.3 0.0 0.0#



#77
Bromobenzene
Concen: 0.950 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN052055.D
Acq: 30 Oct 2018 9:25

Tgt Ion: 156 Resp: 2390
Ion Ratio Lower Upper
156 100
77 220.5 119.6 358.6
158 102.9 47.8 143.4





#78

n-propylbenzene

Concen: 0.946 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

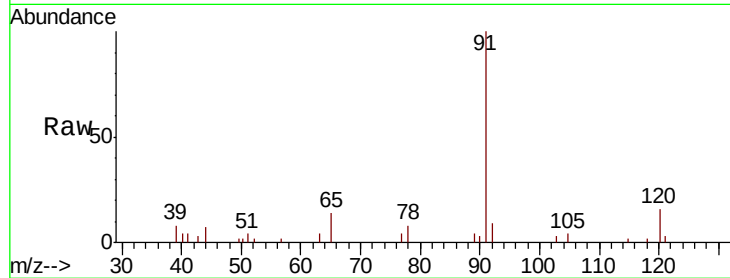
ClientSampleId :

Tgt Ion: 91 Resp: 13801

Ion Ratio Lower Upper

91 100

120 18.2 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052058.D (-3352) (-)

12.59

10000

8000

6000

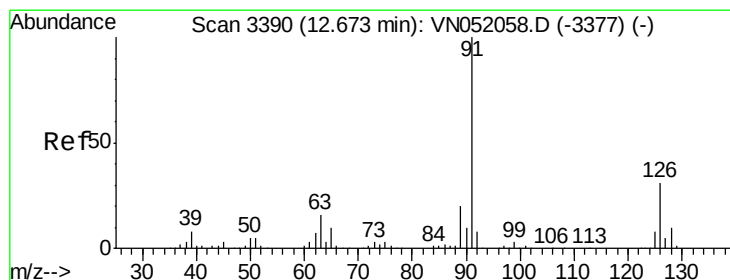
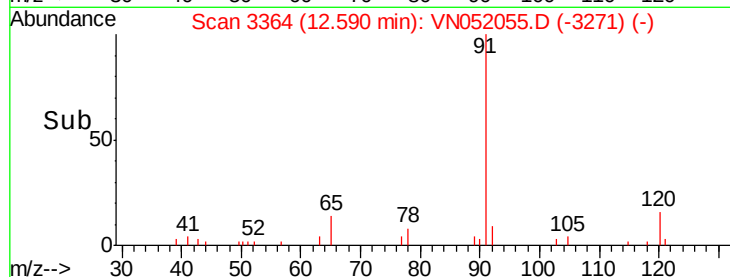
4000

2000

0

Time-->

12.55 12.60 12.65



#79

2-Chlorotoluene

Concen: 0.909 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN052055.D

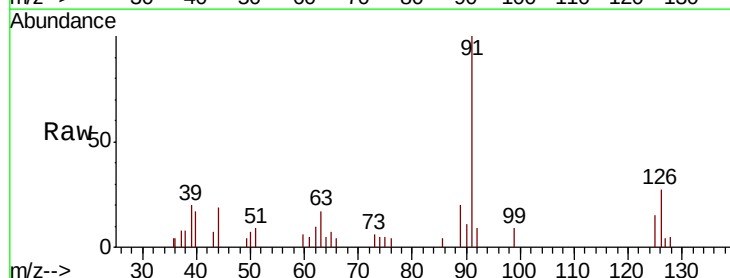
Acq: 30 Oct 2018 9:25

Tgt Ion: 91 Resp: 7449

Ion Ratio Lower Upper

91 100

126 29.7 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052058.D (-3377) (-)

12.67

8000

6000

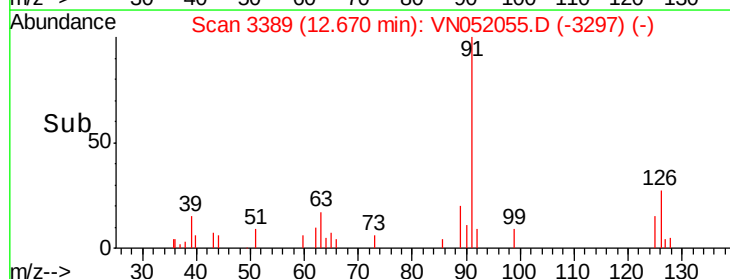
4000

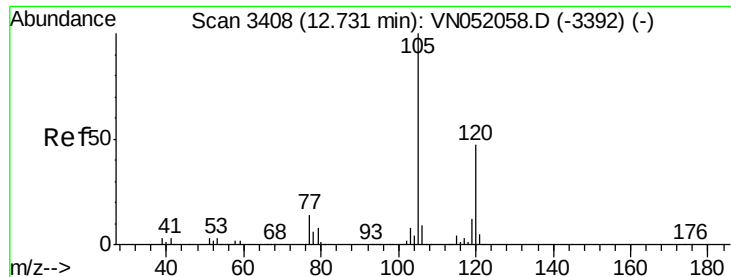
2000

0

Time-->

12.60 12.65 12.70

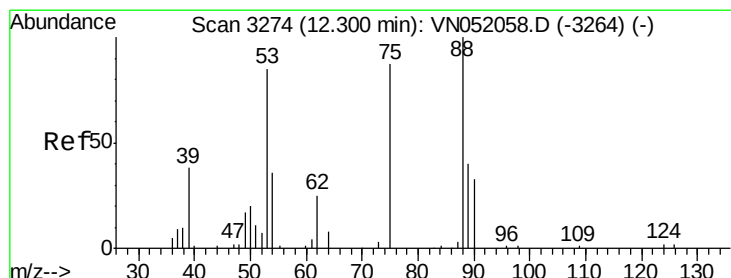
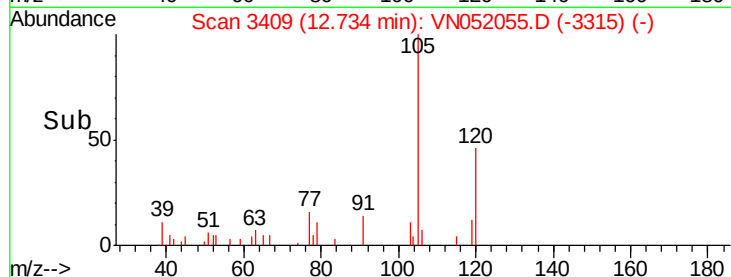
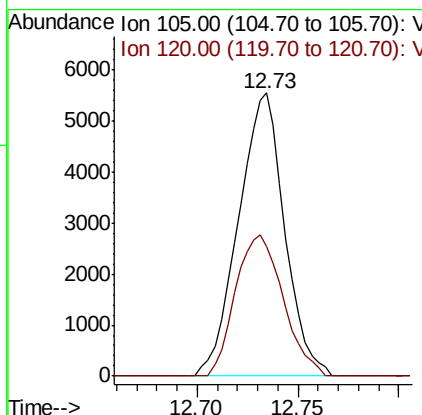
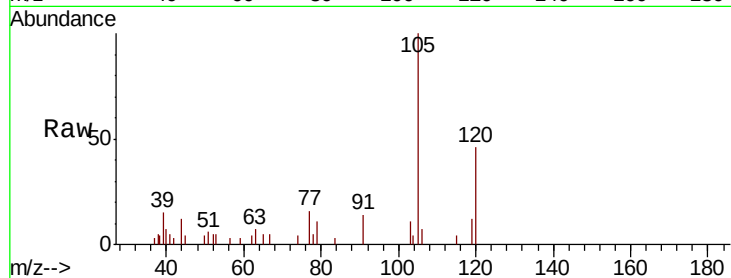




#80
 1,3,5-Trimethylbenzene
 Concen: 0.920 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

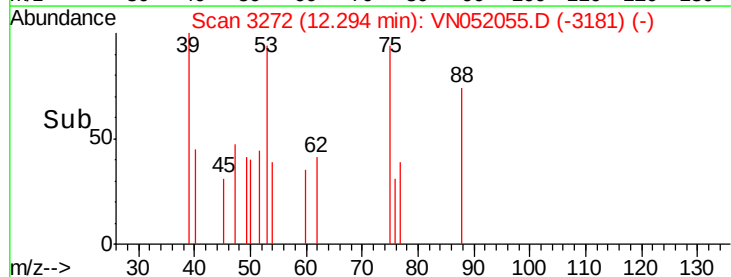
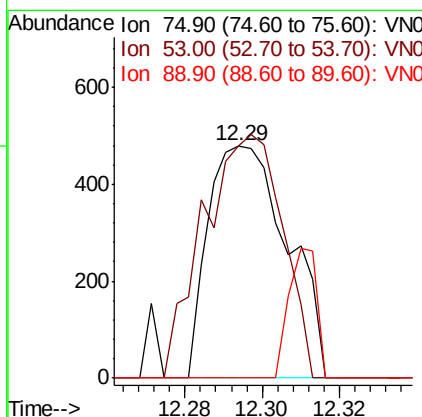
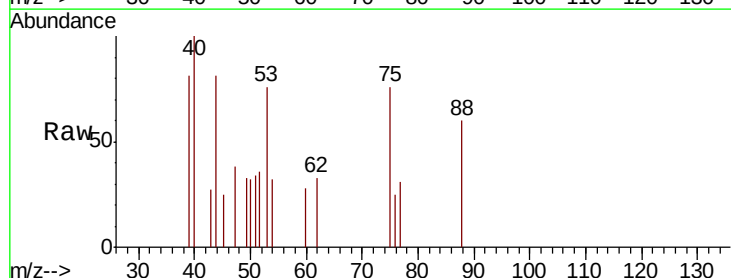
Instrument :
 MSVOA_N
 ClientSampled :

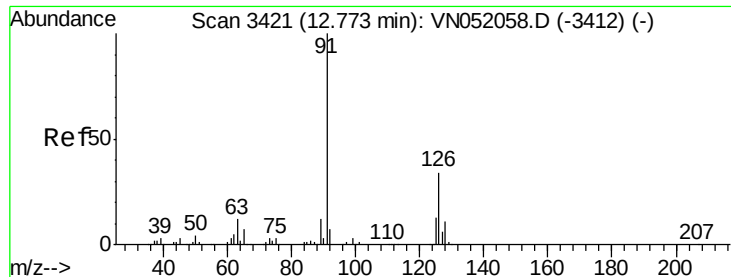
Tgt Ion: 105 Resp: 8870
 Ion Ratio Lower Upper
 105 100
 120 51.6 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.895 ug/l
 RT: 12.29 min Scan# 3272
 Delta R.T. -0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 75 Resp: 684
 Ion Ratio Lower Upper
 75 100
 53 104.4 81.8 122.6
 89 19.7 36.6 54.8#





#82

4-Chlorotoluene

Concen: 0.883 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

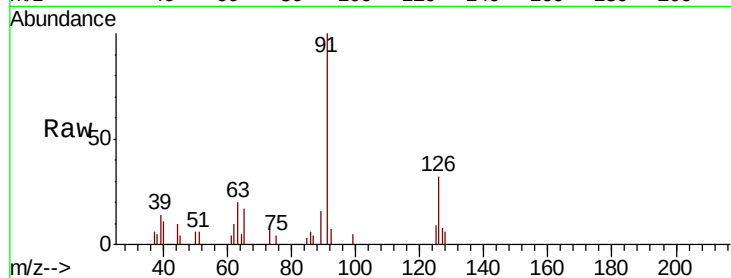
ClientSampled :

Tgt Ion: 91 Resp: 7322

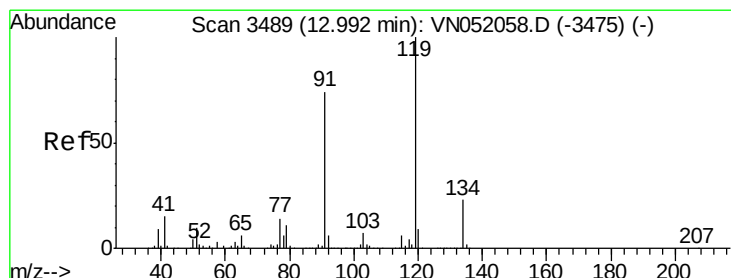
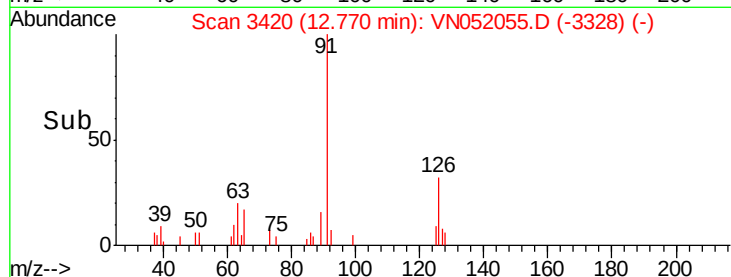
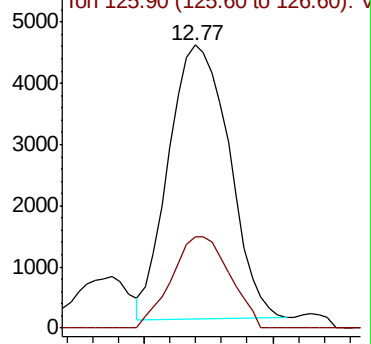
Ion Ratio Lower Upper

91 100

126 32.0 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN052055.D (-3412) (-)



#83

tert-Butylbenzene

Concen: 0.932 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

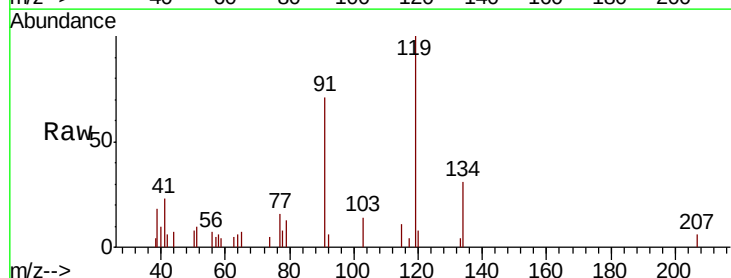
Tgt Ion: 119 Resp: 7647

Ion Ratio Lower Upper

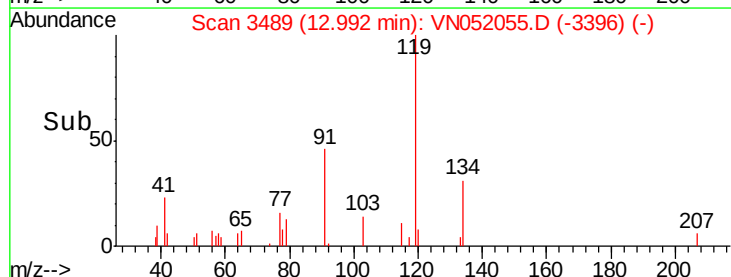
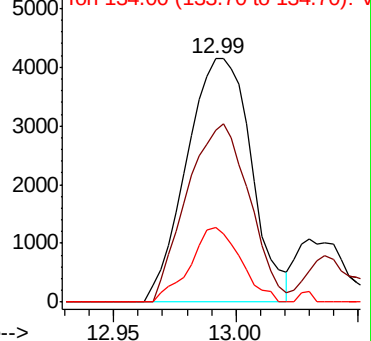
119 100

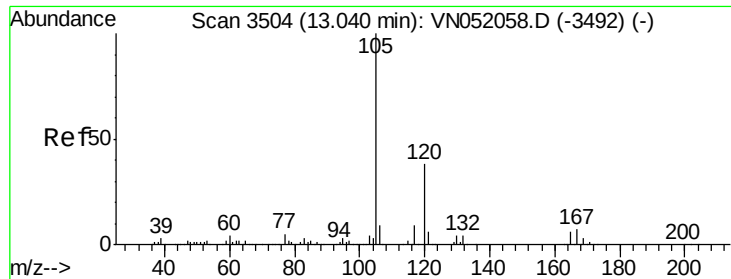
91 70.5 36.6 109.9

134 23.8 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): VN052055.D (-3475) (-)

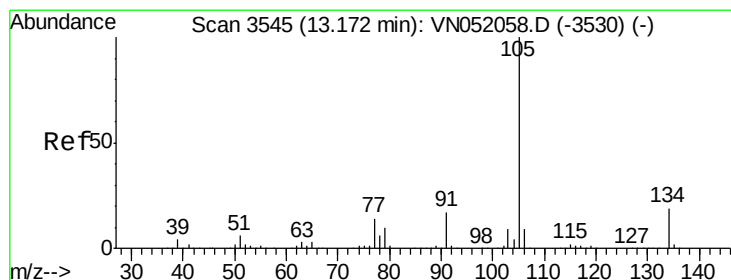
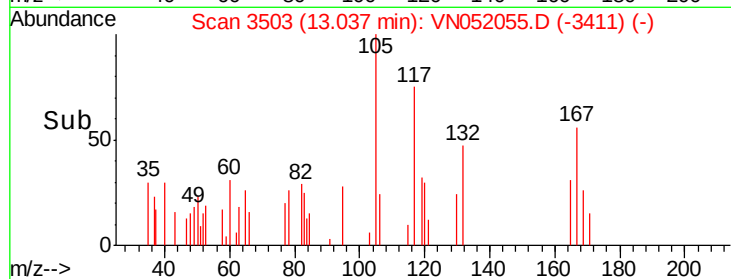
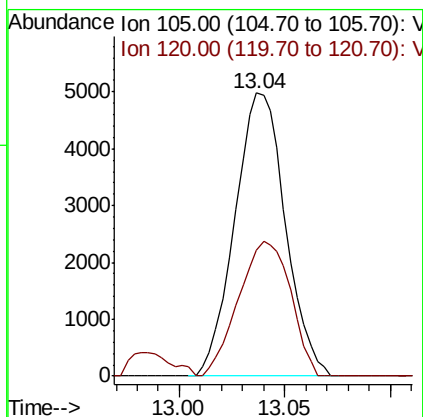
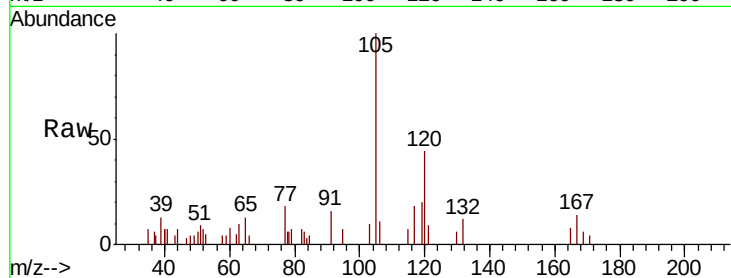




#84
 1,2,4-Trimethylbenzene
 Concen: 0.880 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

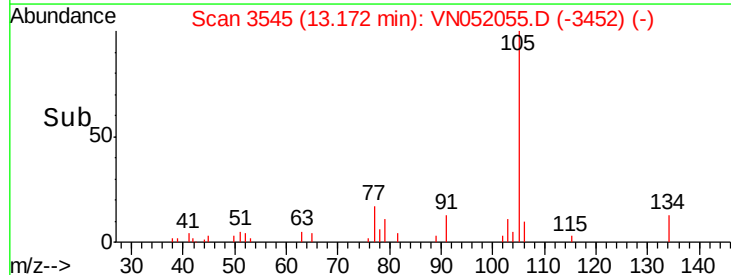
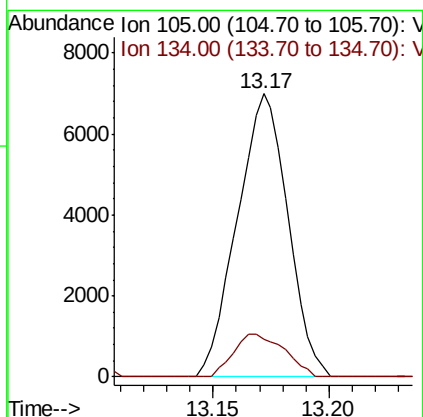
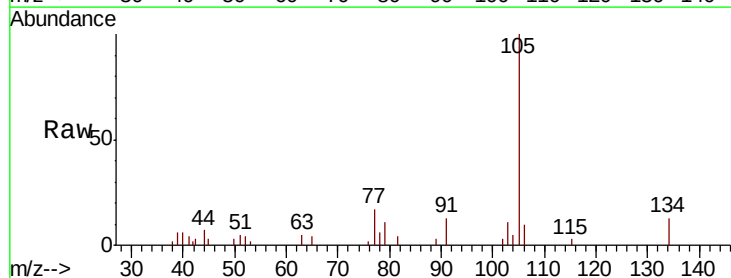
Instrument :
 MSVOA_N
 ClientSampled :

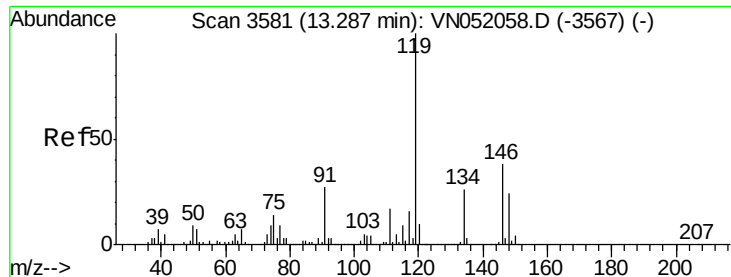
Tgt Ion:105 Resp: 8294
 Ion Ratio Lower Upper
 105 100
 120 49.0 21.9 65.5



#85
 sec-Butylbenzene
 Concen: 0.915 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion:105 Resp: 10618
 Ion Ratio Lower Upper
 105 100
 134 15.1 9.1 27.3

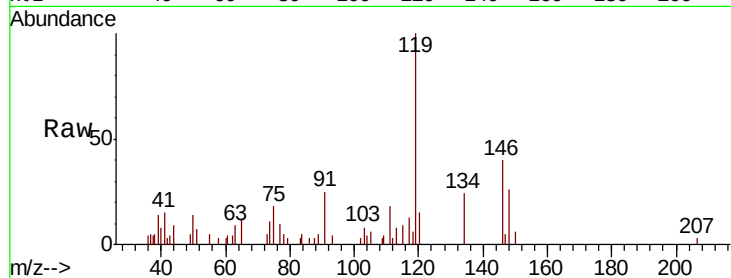




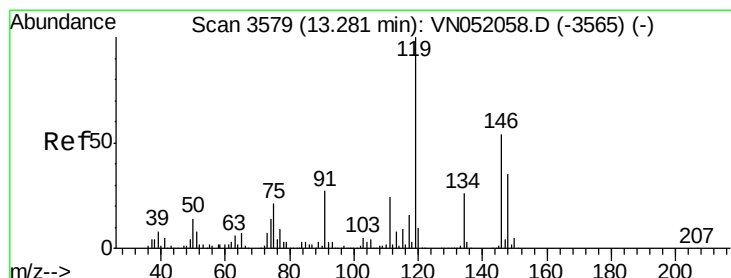
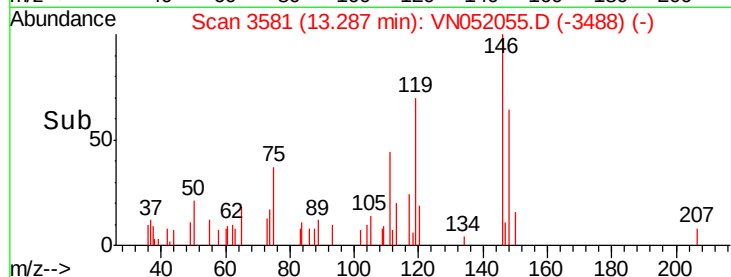
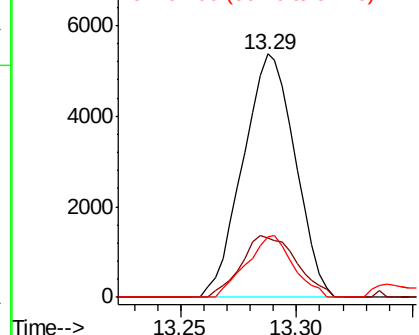
#86
 p-Isopropyltoluene
 Concen: 0.891 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Instrument :
 MSVOA_N
 ClientSampled :

Tgt Ion:119 Resp: 8386
 Ion Ratio Lower Upper
 119 100
 134 27.0 12.8 38.3
 91 22.7 13.4 40.2

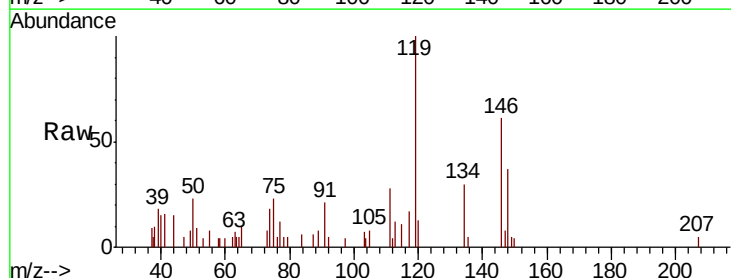


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

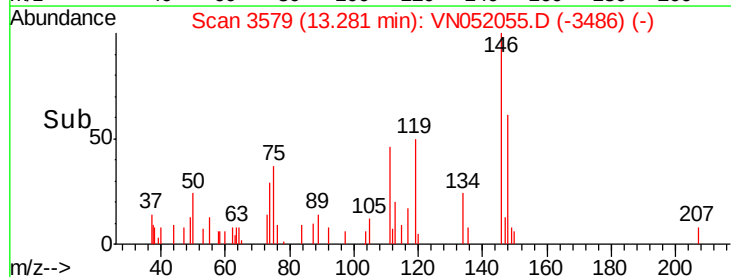
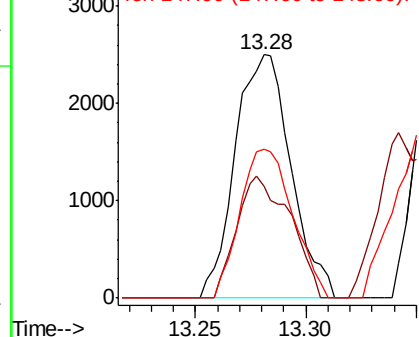


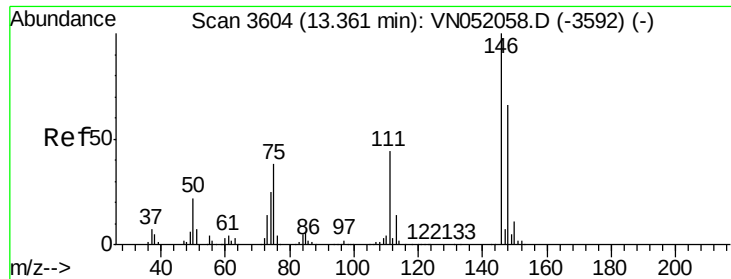
#87
 1,3-Dichlorobenzene
 Concen: 0.953 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion:146 Resp: 4382
 Ion Ratio Lower Upper
 146 100
 111 48.1 22.9 68.8
 148 58.0 31.8 95.4



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

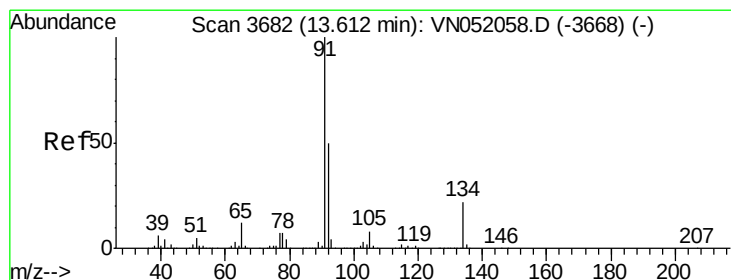
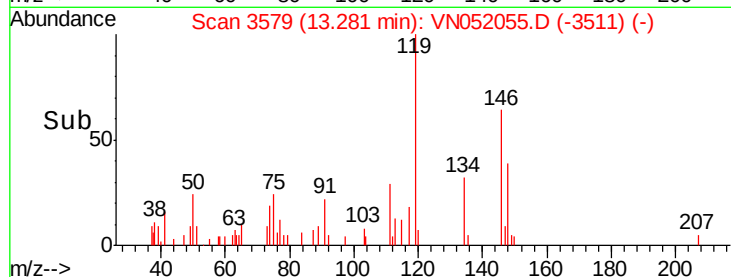
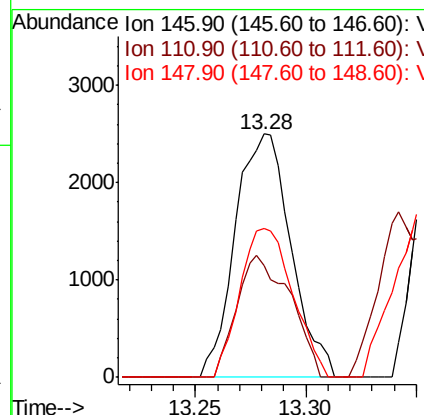
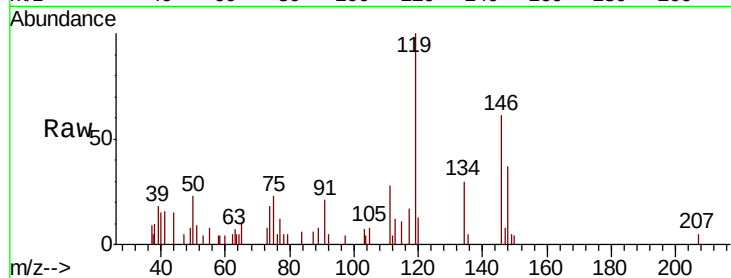




#88
 1,4-Dichlorobenzene
 Concen: 0.936 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

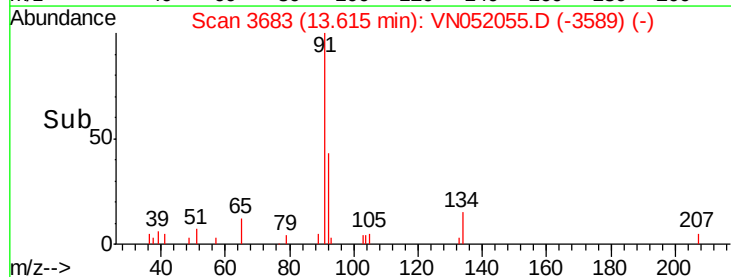
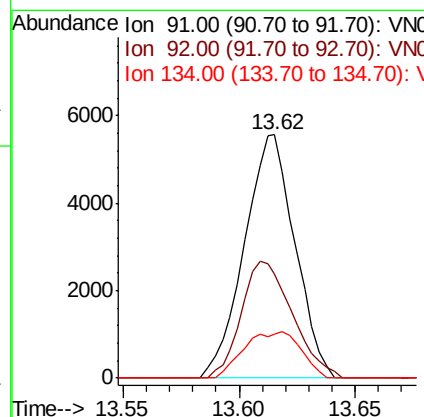
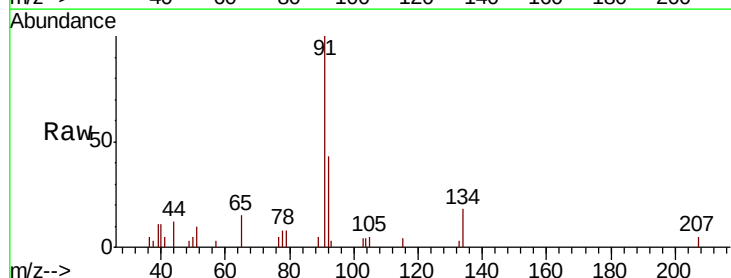
Instrument :
 MSVOA_N
 ClientSampleId :

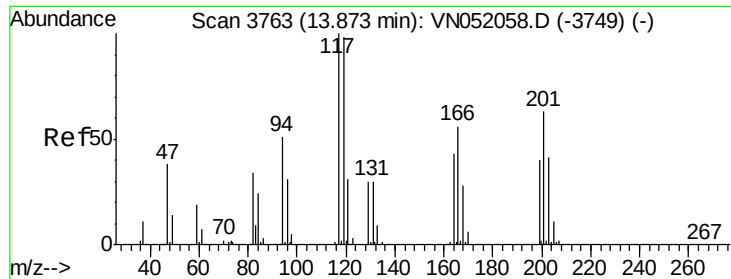
Tgt Ion: 146 Resp: 4382
 Ion Ratio Lower Upper
 146 100
 111 48.1 21.9 65.8
 148 58.0 32.6 98.0



#89
 n-Butylbenzene
 Concen: 0.924 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Tgt Ion: 91 Resp: 8408
 Ion Ratio Lower Upper
 91 100
 92 48.5 25.3 75.8
 134 21.6 11.2 33.5





#90

Hexachloroethane

Concen: 0.921 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

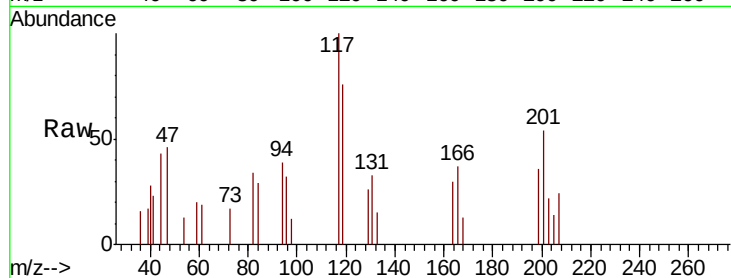
ClientSampled :

Tgt Ion:117 Resp: 1512

Ion Ratio Lower Upper

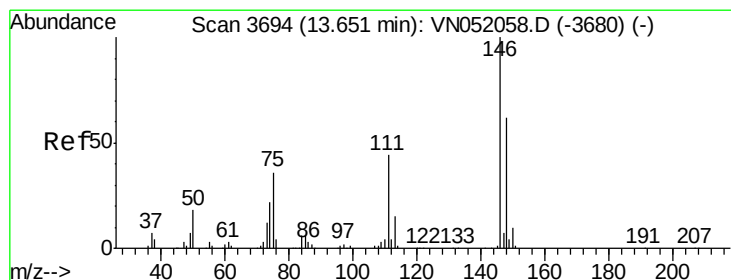
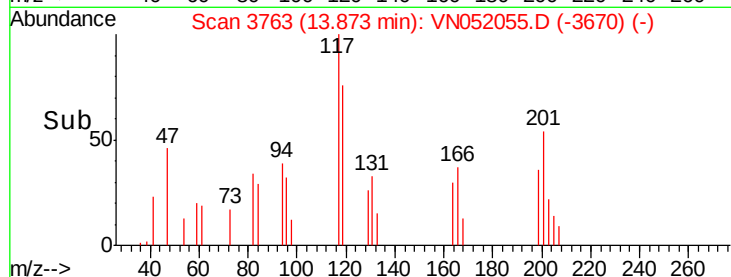
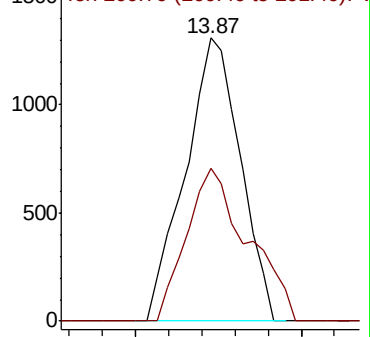
117 100

201 60.3 31.1 93.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.902 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

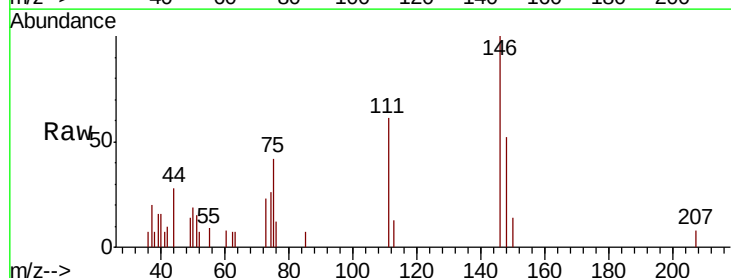
Tgt Ion:146 Resp: 3804

Ion Ratio Lower Upper

146 100

111 58.0 22.5 67.5

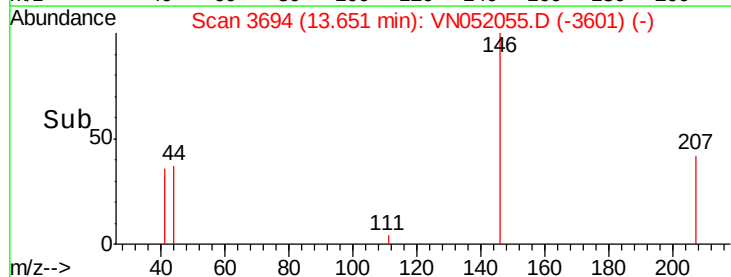
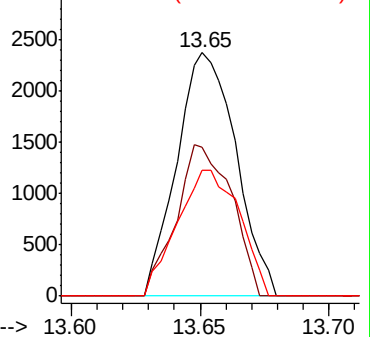
148 54.4 30.9 92.8

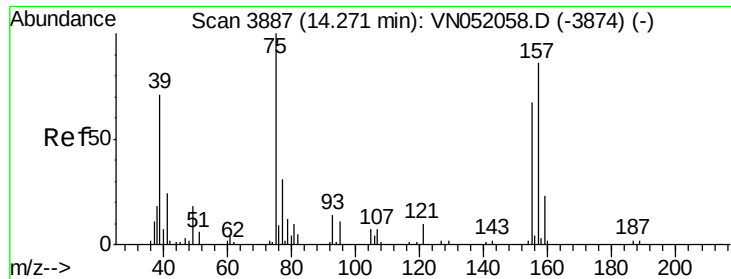


Abundance Ion 145.90 (145.60 to 146.60): V

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: 0.411 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

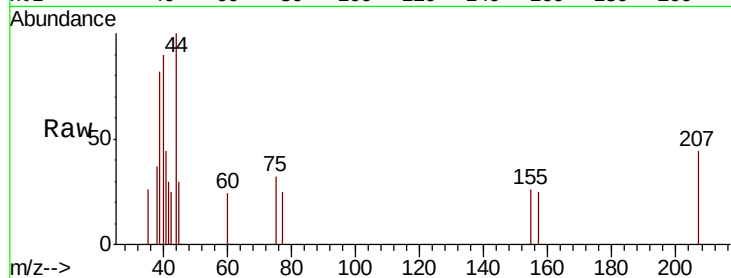
Tgt Ion: 75 Resp: 110

Ion Ratio Lower Upper

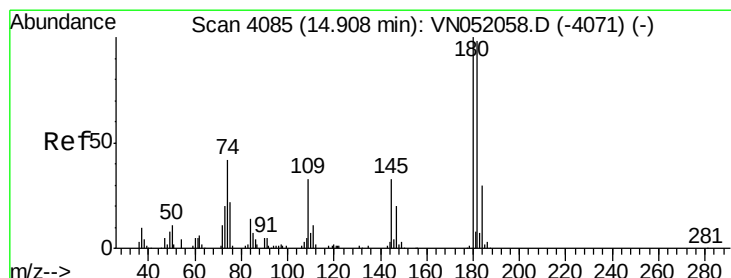
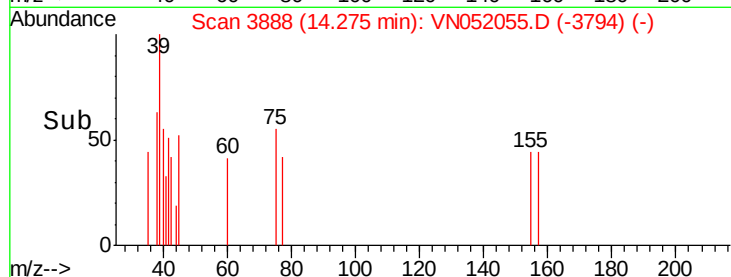
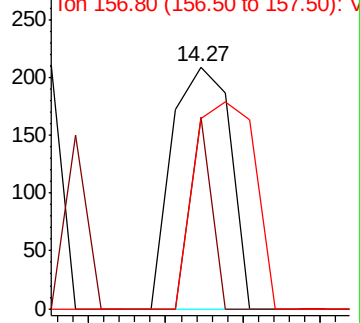
75 100

155 29.1 34.0 102.0#

157 89.1 42.1 126.4



Abundance Ion 74.90 (74.60 to 75.60): VN052055.D (-3874) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.870 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

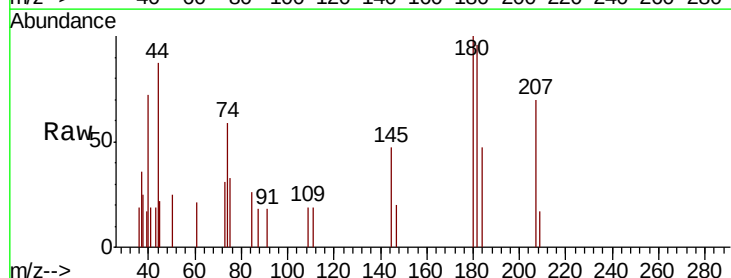
Tgt Ion: 180 Resp: 1324

Ion Ratio Lower Upper

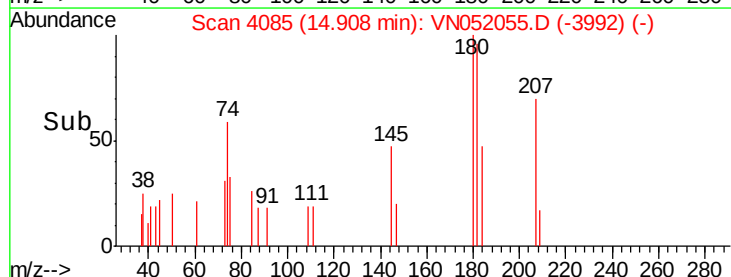
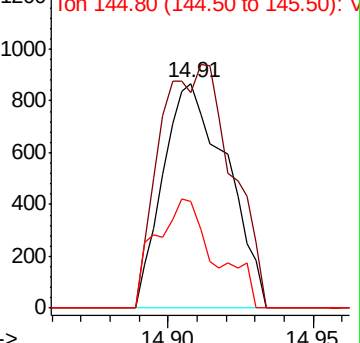
180 100

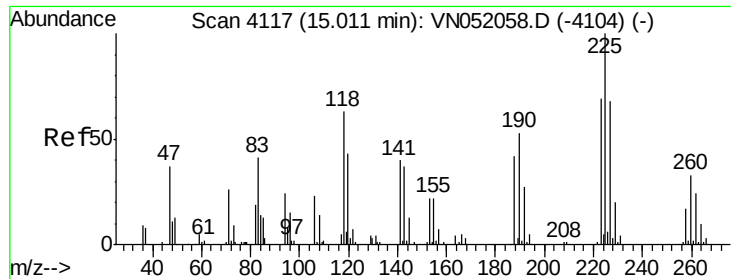
182 122.2 49.1 147.4

145 45.5 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): VN052055.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 0.994 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

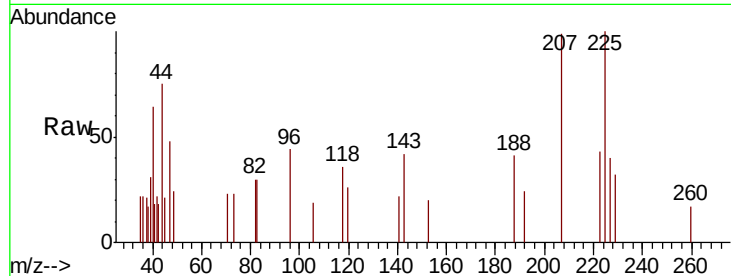
Tgt Ion:225 Resp: 886

Ion Ratio Lower Upper

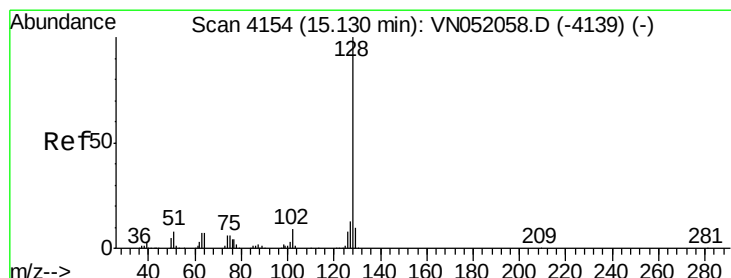
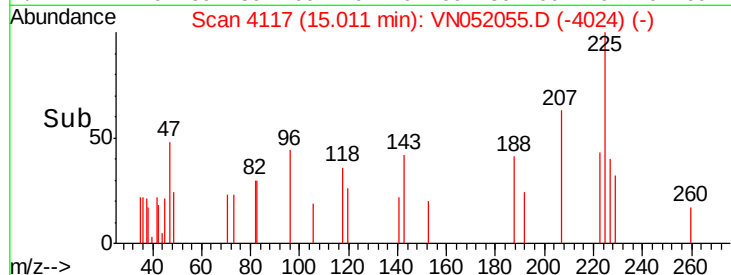
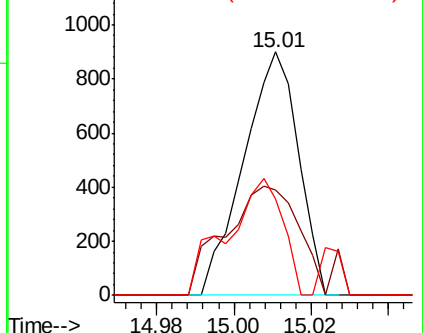
225 100

223 60.3 33.1 99.3

227 48.6 32.6 97.8



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



#95

Naphthalene

Concen: 0.894 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN052055.D

Acq: 30 Oct 2018 9:25

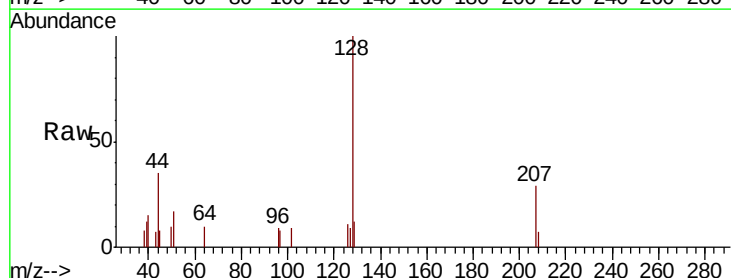
Tgt Ion:128 Resp: 3607

Ion Ratio Lower Upper

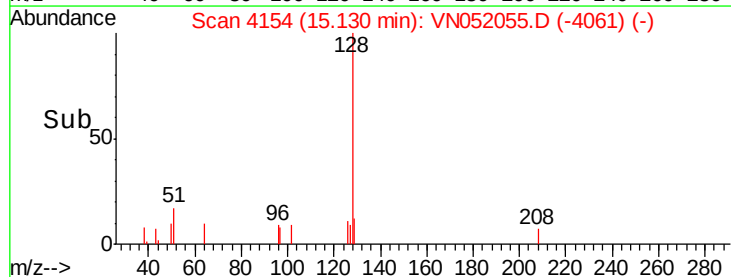
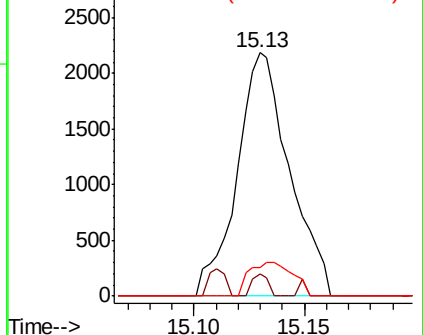
128 100

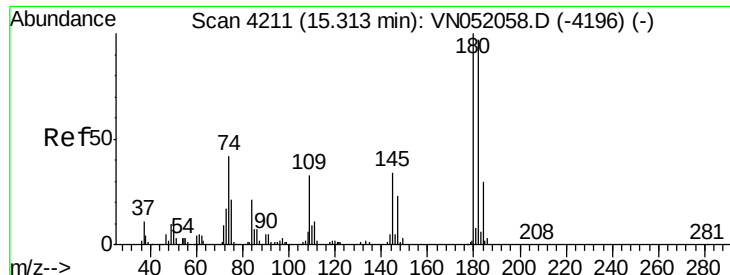
127 2.7 10.5 15.7#

129 11.5 8.6 12.8



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

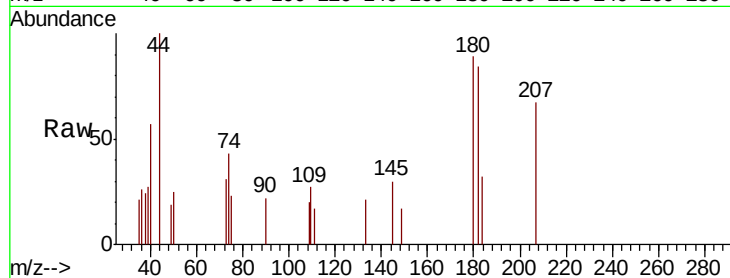




#96
 1,2,3-Trichlorobenzene
 Concen: 0.928 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN052055.D
 Acq: 30 Oct 2018 9:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.2	141.6#
145	18.6	16.6	49.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

