

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
 Data File : VN052255.D
 Acq On : 12 Nov 2018 12:05
 Operator : MD\SY
 Sample : VN1112WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Quant Time: Nov 13 00:12:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	265597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	449766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	417788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181192	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	175614	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	7.59	113	142377	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	10.09	98	551104	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	180186	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	56875	19.697	ug/l	96
3) Chloromethane	2.06	50	76130	18.885	ug/l	100
4) Vinyl Chloride	2.19	62	63499	18.905	ug/l	99
5) Bromomethane	2.56	94	41190	19.329	ug/l	90
6) Chloroethane	2.70	64	37162	18.632	ug/l	98
7) Trichlorofluoromethane	3.02	101	87009	18.609	ug/l	100
8) Diethyl Ether	3.41	74	33193	18.046	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	54311	18.105	ug/l	96
10) Methyl Iodide	3.95	142	72342	18.587	ug/l	99
11) Tert butyl alcohol	4.78	59	12369	66.432	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	49452	17.810	ug/l	94
13) Acrolein	3.60	56	25890	111.480	ug/l	98
14) Allyl chloride	4.32	41	97382	16.751	ug/l	92
15) Acrylonitrile	4.98	53	109518	95.703	ug/l	97
16) Acetone	3.81	43	84585	85.008	ug/l	98
17) Carbon Disulfide	4.06	76	142475	17.688	ug/l	100
18) Methyl Acetate	4.32	43	55904	18.419	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	150939	19.027	ug/l	98
20) Methylene Chloride	4.55	84	64594	19.507	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	55627	18.433	ug/l	96
22) Diisopropyl ether	5.95	45	223039	19.139	ug/l	98
23) Vinyl Acetate	5.89	43	760332	95.083	ug/l	100
24) 1,1-Dichloroethane	5.85	63	114920	18.670	ug/l	100
25) 2-Butanone	6.83	43	130409	84.162	ug/l	97
26) 2,2-Dichloropropane	6.83	77	83065	18.477	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	64119	18.981	ug/l	100
28) Bromochloromethane	7.19	49	61033	20.067	ug/l	98
29) Tetrahydrofuran	7.21	42	87775	87.041	ug/l	98
30) Chloroform	7.37	83	110620	18.989	ug/l	96
31) Cyclohexane	7.65	56	112460	19.340	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	87760	18.483	ug/l	99
36) 1,1-Dichloropropene	7.79	75	83519	18.398	ug/l	98
37) Ethyl Acetate	6.92	43	53427	15.647	ug/l	98
38) Carbon Tetrachloride	7.77	117	77961	18.950	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	97913	18.909	ug/l	96
40) Benzene	8.04	78	247577	19.048	ug/l	99
41) Methacrylonitrile	7.17	41	29229	14.732	ug/l	89
42) 1,2-Dichloroethane	8.12	62	85732	18.799	ug/l	99
43) Isopropyl Acetate	8.16	43	106852	17.954	ug/l	98
44) Trichloroethene	8.83	130	61561	18.901	ug/l	97
45) 1,2-Dichloropropane	9.12	63	70356	19.376	ug/l	98
46) Dibromomethane	9.21	93	38418	18.419	ug/l	98
47) Bromodichloromethane	9.40	83	97418	22.543	ug/l	99
48) Methyl methacrylate	9.20	41	55336	17.646	ug/l	99
49) 1,4-Dioxane	9.20	88	7791	309.062	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	298442	90.801	ug/l	100
52) Toluene	10.15	92	185958	23.717	ug/l #	1
53) t-1,3-Dichloropropene	10.38	75	81408	19.090	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	101477	20.158	ug/l #	76
55) 1,1,2-Trichloroethane	10.56	97	52237	18.433	ug/l	97
56) Ethyl methacrylate	10.43	69	69232	18.076	ug/l	99
57) 1,3-Dichloropropane	10.71	76	96263	18.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	213282	100.567	ug/l	99
59) 2-Hexanone	10.75	43	200172	86.756	ug/l	99
60) Dibromochloromethane	10.90	129	55082	19.162	ug/l	94
61) 1,2-Dibromoethane	11.00	107	52658	18.906	ug/l	99
64) Tetrachloroethene	10.63	164	54392	18.595	ug/l	95
65) Chlorobenzene	11.43	112	164320	18.562	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	55665	18.563	ug/l	99
67) Ethyl Benzene	11.51	91	294452	18.910	ug/l	98
68) m/p-Xylenes	11.62	106	220816	38.079	ug/l	96
69) o-Xylene	11.95	106	108641	19.610	ug/l #	1
70) Styrene	11.96	104	174825	19.532	ug/l #	89
71) Bromoform	12.12	173	33547	18.753	ug/l #	98
73) Isopropylbenzene	12.25	105	284007	19.174	ug/l	99
74) N-amyl acetate	12.07	43	96987	18.036	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	65029	17.909	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	85110	26.549	ug/l #	100
77) Bromobenzene	12.53	156	64674	18.654	ug/l	81
78) n-propylbenzene	12.54	91	139531	8.043	ug/l	83
79) 2-Chlorotoluene	12.67	91	194400	19.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	235013	19.951	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	17527	18.662	ug/l	96
82) 4-Chlorotoluene	12.77	91	239595	23.760	ug/l	87
83) tert-Butylbenzene	12.99	119	198727	19.324	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	232018	19.535	ug/l	100
85) sec-Butylbenzene	13.17	105	274382	19.456	ug/l	100
86) p-Isopropyltoluene	13.29	119	233402	19.783	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	116084	19.233	ug/l	99
88) 1,4-Dichlorobenzene	13.35	146	225185	37.268	ug/l	99
89) n-Butylbenzene	13.62	91	204413	19.457	ug/l	99
90) Hexachloroethane	13.88	117	39814	19.226	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	110801	18.811	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9437	18.281	ug/l	96

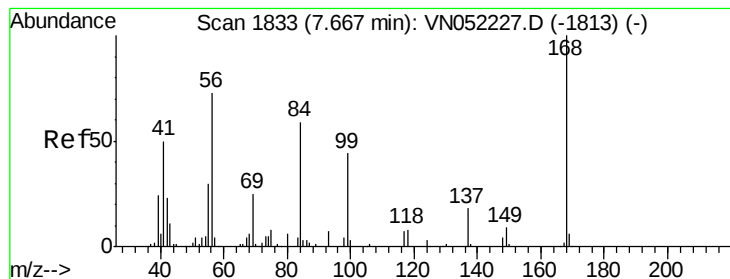
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111218\
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Acq On : 12 Nov 2018 12:05
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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45144	19.382	ug/l	96
94) Hexachlorobutadiene	15.01	225	26777	21.156	ug/l	99
95) Naphthalene	15.13	128	100496	17.506	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	39636	17.999	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

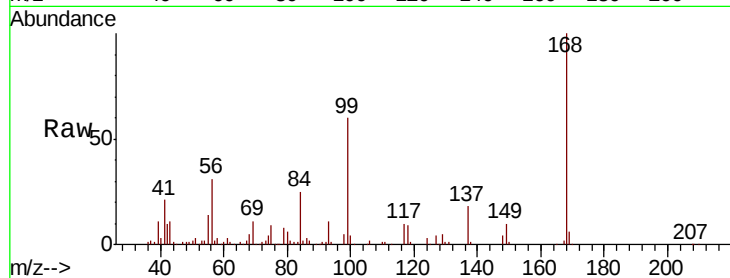
VN1112WBSD01

Tot Ion:168 Resp: 265597

Ion Ratio Lower Upper

168 100

99 60.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

120000

100000

80000

60000

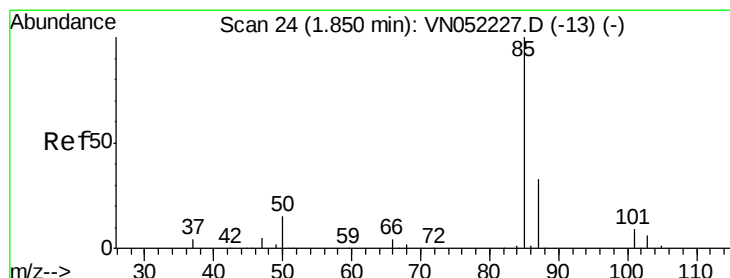
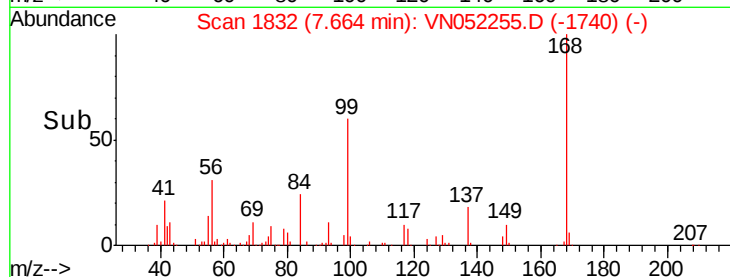
40000

20000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.697 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052255.D

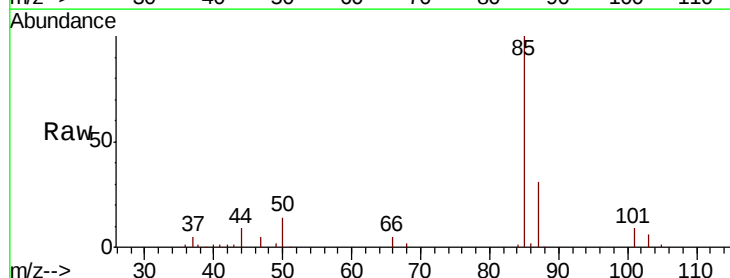
Acq: 12 Nov 2018 12:05

Tgt Ion: 85 Resp: 56875

Ion Ratio Lower Upper

85 100

87 31.0 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

30000

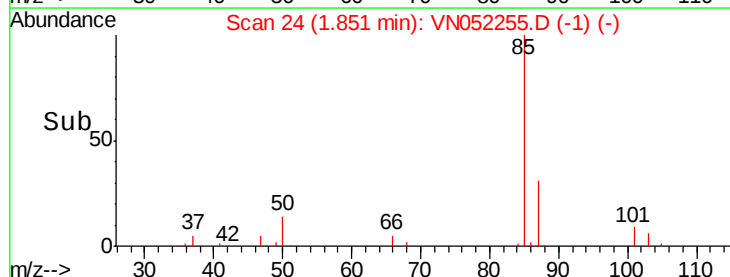
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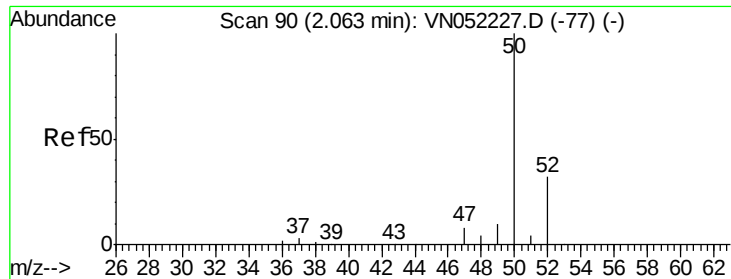
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.885 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

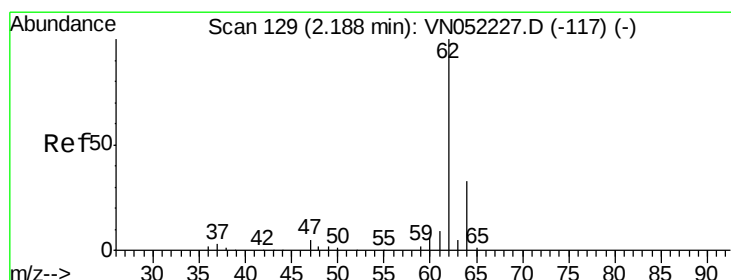
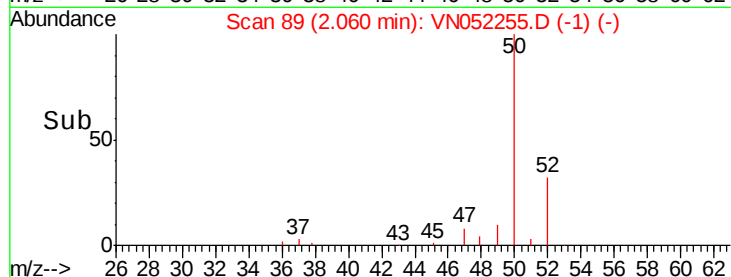
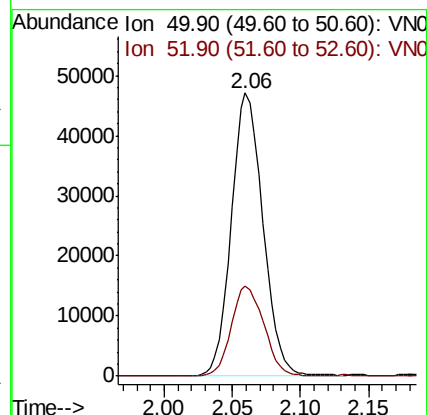
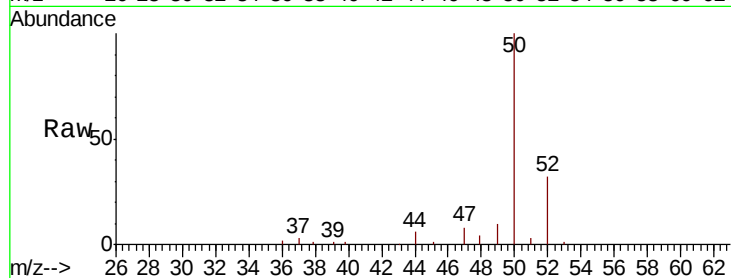
VN1112WBSD01

Tot Ion: 50 Resp: 76130

Ion Ratio Lower Upper

50 100

52 32.0 25.7 38.5



#4

Vinyl Chloride

Concen: 18.905 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052255.D

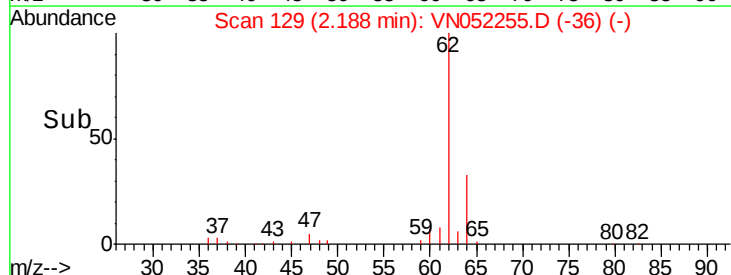
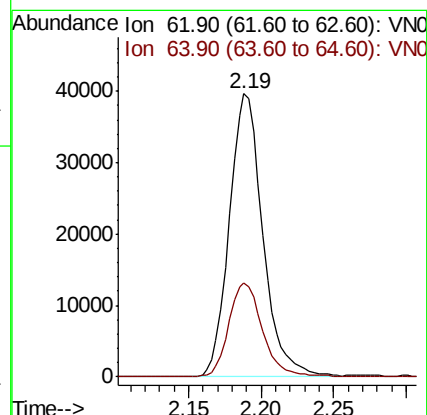
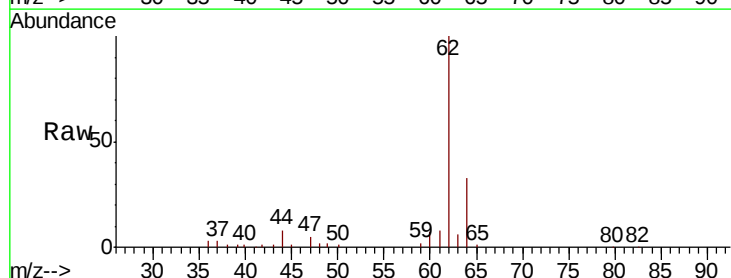
Acq: 12 Nov 2018 12:05

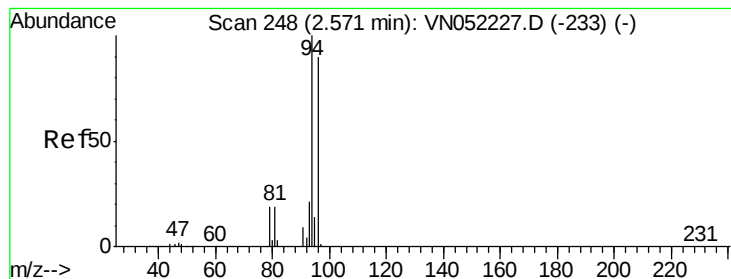
Tgt Ion: 62 Resp: 63499

Ion Ratio Lower Upper

62 100

64 33.2 26.1 39.1





#5

Bromomethane

Concen: 19.329 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

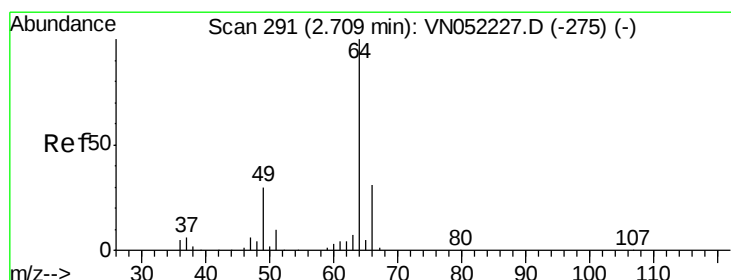
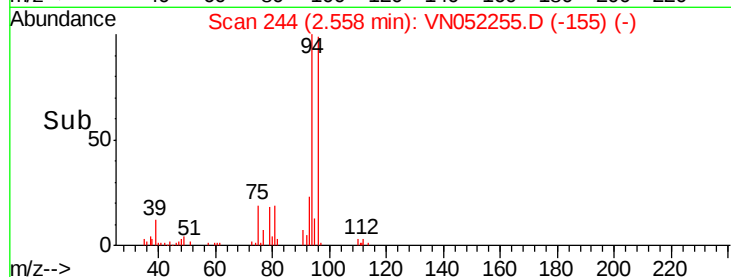
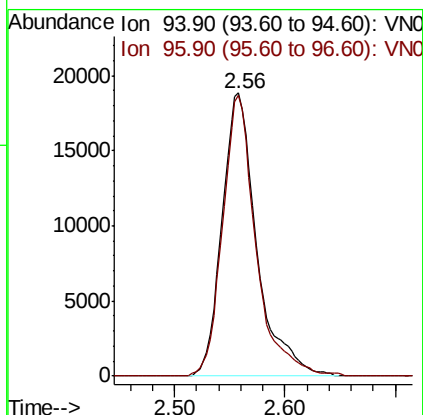
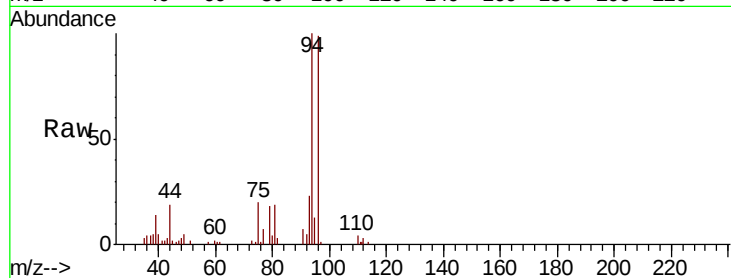
VN1112WBSD01

Tot Ion: 94 Resp: 41190

Ion Ratio Lower Upper

94 100

96 99.4 71.8 107.8



#6

Chloroethane

Concen: 18.632 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN052255.D

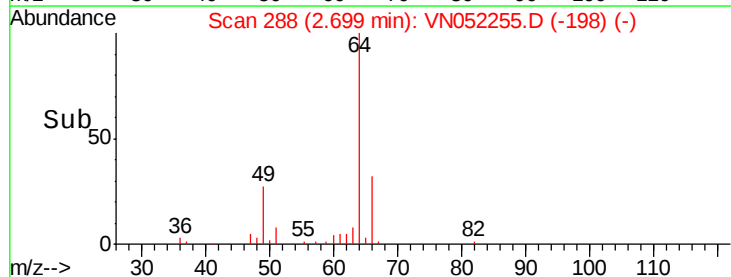
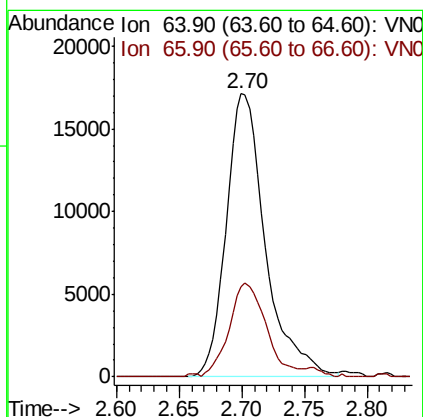
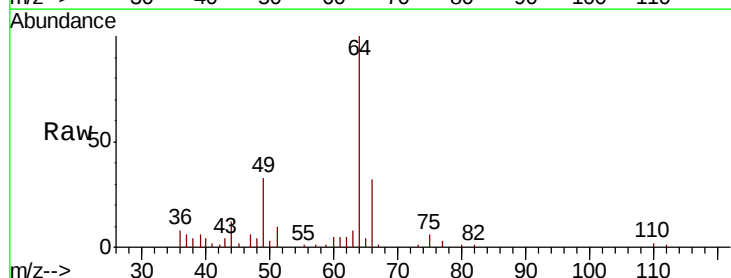
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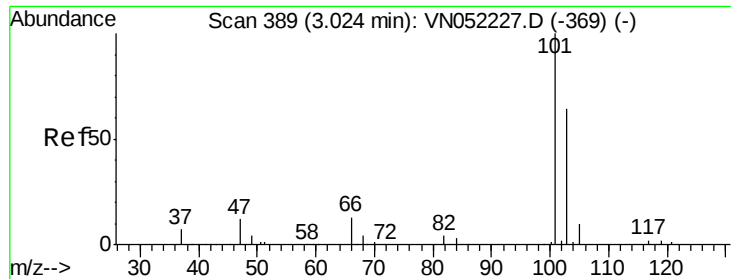
Tgt Ion: 64 Resp: 37162

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8



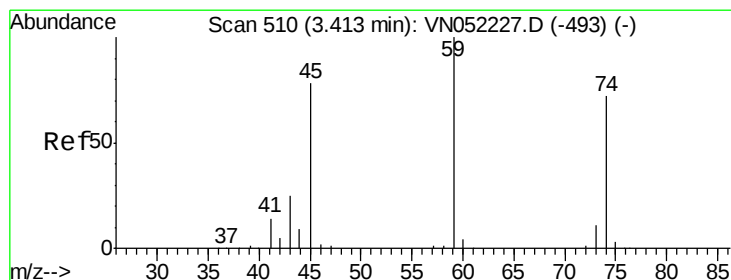
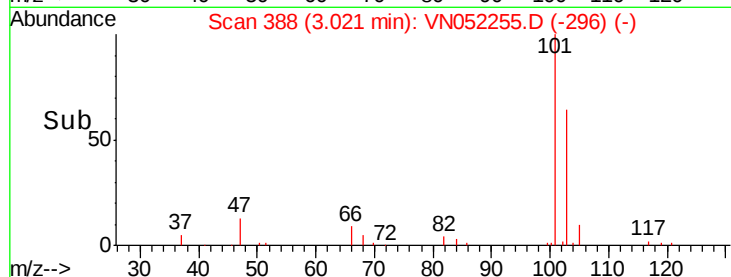
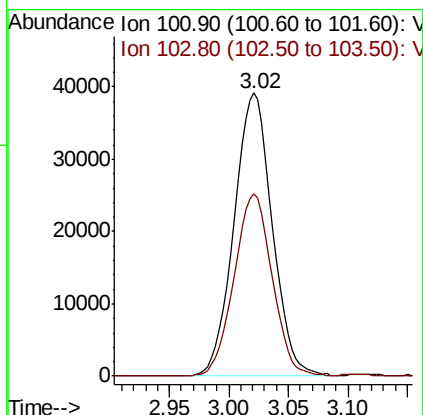
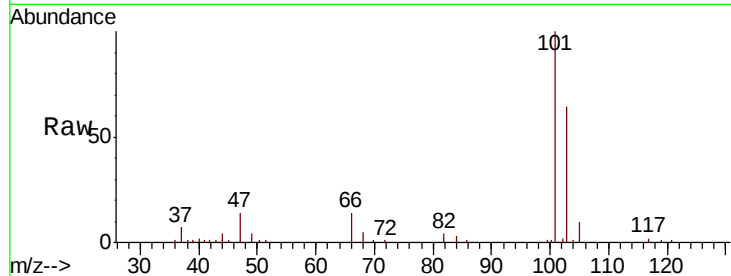


#7

Trichlorofluoromethane
 Concen: 18.609 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Instrument :
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 ClientSampleId :
 VN1112WBSD01

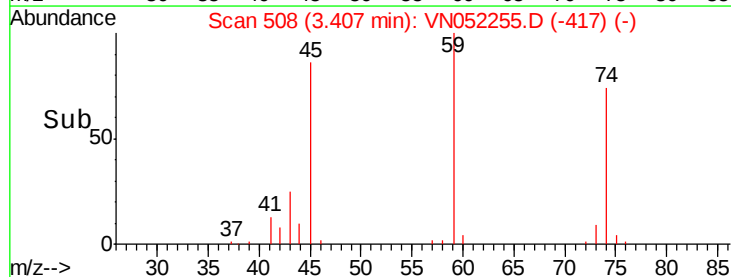
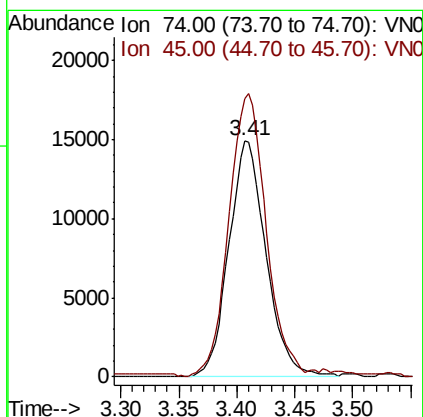
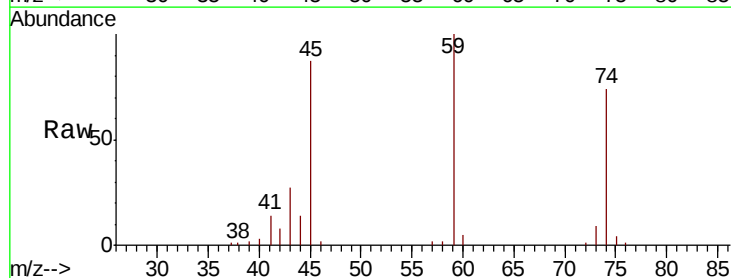
Tot Ion:101 Resp: 87009
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

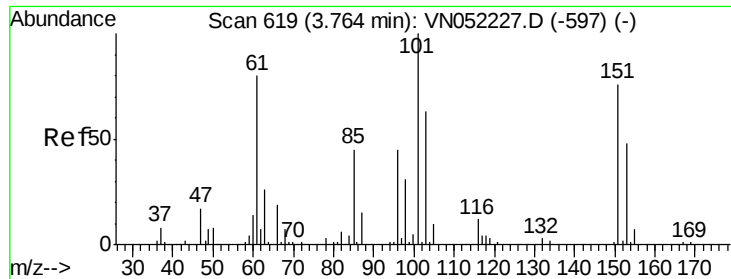


#8

Diethyl Ether
 Concen: 18.046 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Tgt Ion: 74 Resp: 33193
 Ion Ratio Lower Upper
 74 100
 45 120.0 55.5 166.7

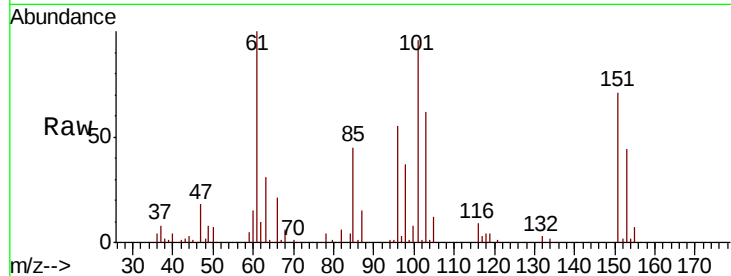




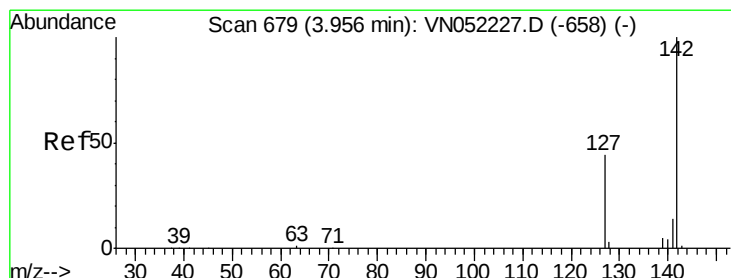
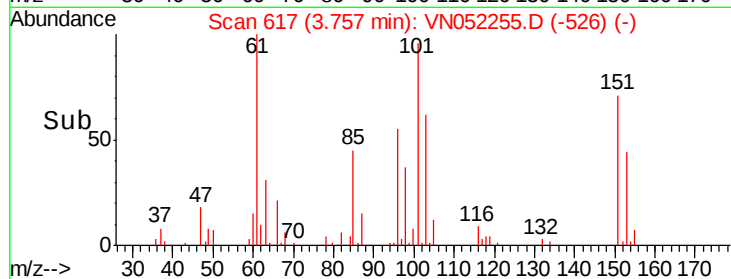
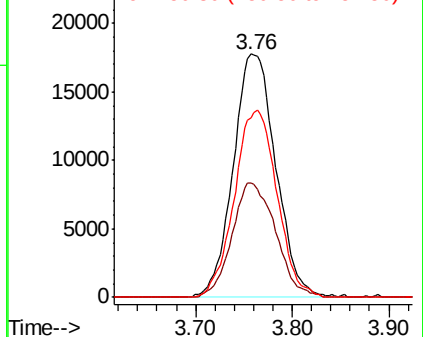
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.105 ug/l
RT: 3.76 min Scan# 617
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion:101 Resp: 54311
Ion Ratio Lower Upper
101 100
85 48.0 36.2 54.4
151 77.0 59.2 88.8

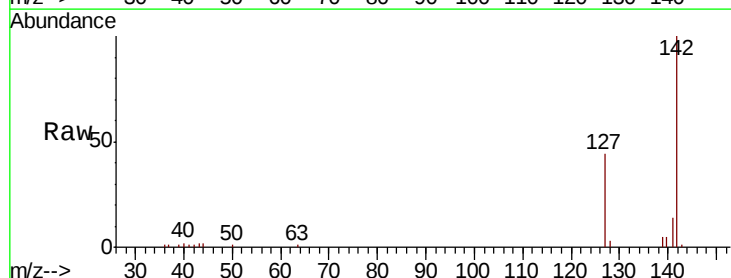


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

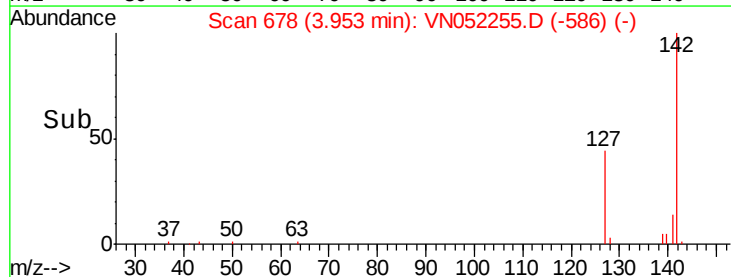
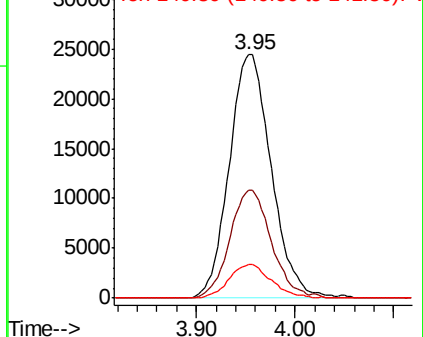


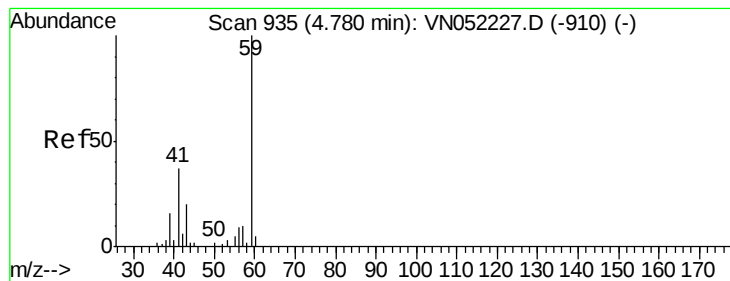
#10
Methyl Iodide
Concen: 18.587 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion:142 Resp: 72342
Ion Ratio Lower Upper
142 100
127 43.9 35.3 52.9
141 13.8 11.8 17.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



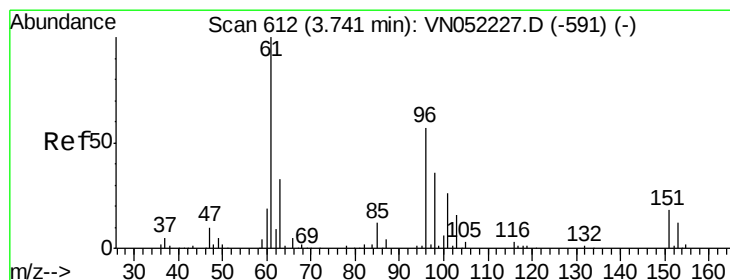
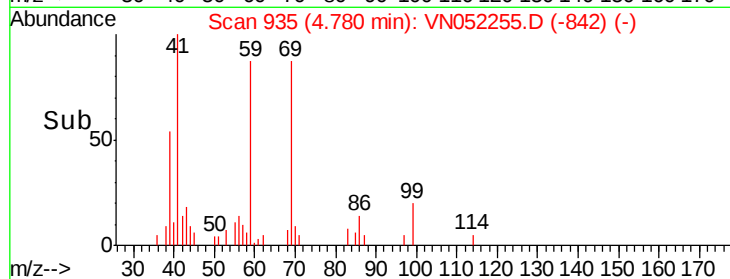
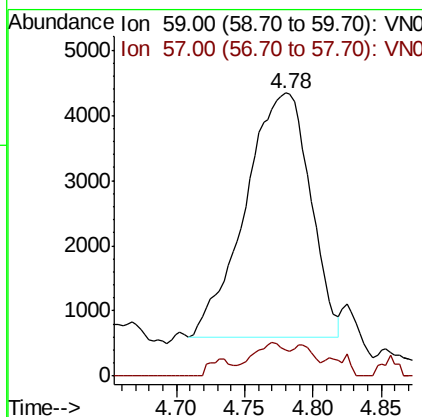
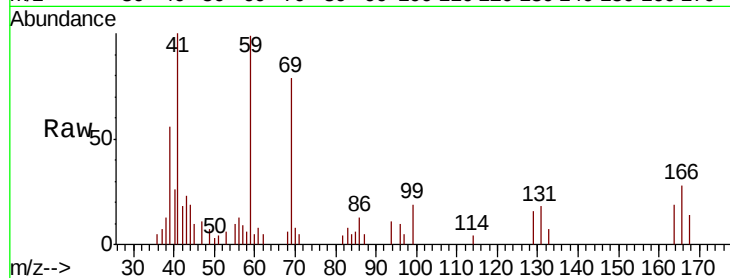


#11

Tert butyl alcohol
 Concen: 66.432 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

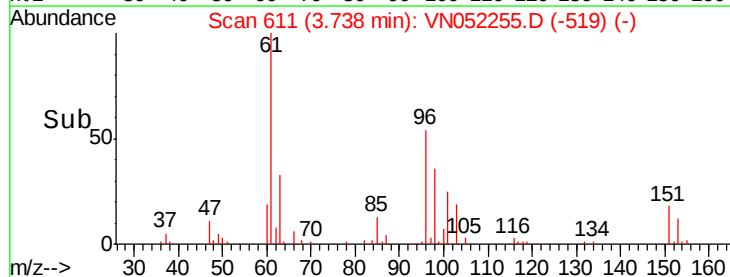
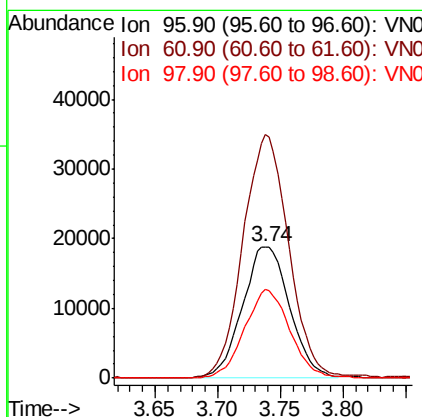
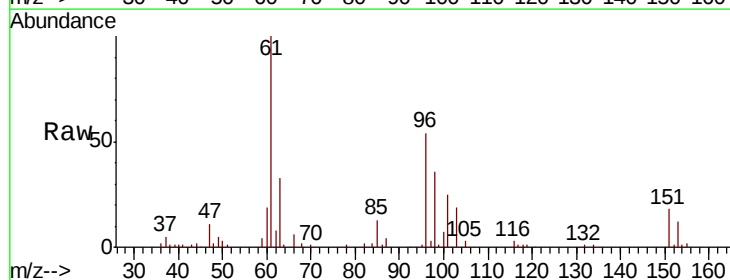
Tot Ion: 59 Resp: 12369
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

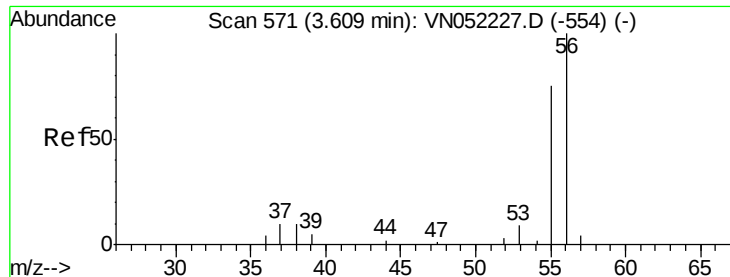


#12

1,1-Dichloroethene
 Concen: 17.810 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Tgt Ion: 96 Resp: 49452
 Ion Ratio Lower Upper
 96 100
 61 185.3 141.1 211.7
 98 67.4 50.3 75.5





#13

Acrolein

Concen: 111.480 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

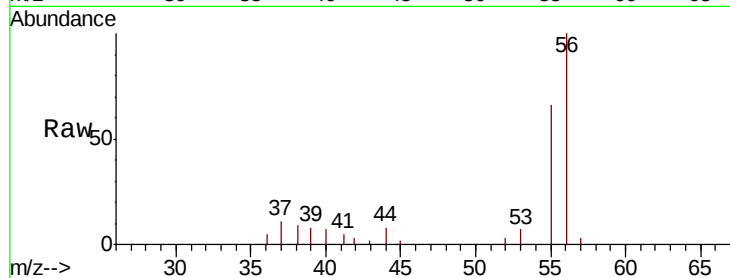
VN1112WBSD01

Tot Ion: 56 Resp: 25890

Ion Ratio Lower Upper

56 100

55 73.4 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

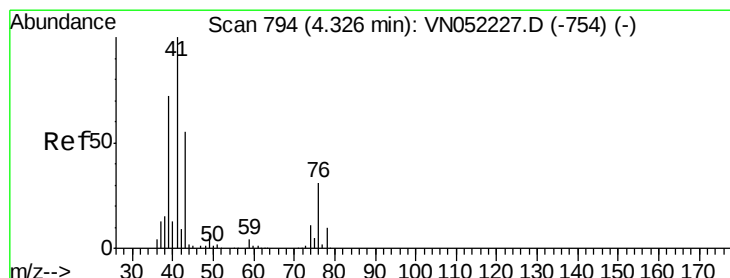
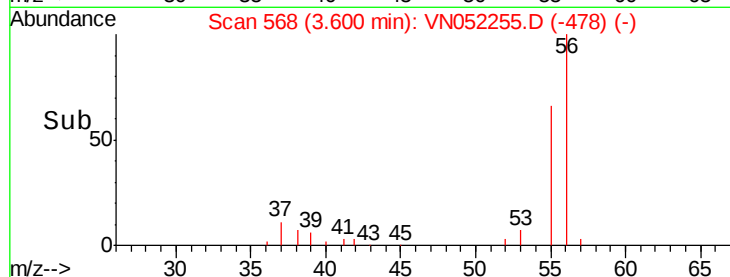
2000

0

3.60

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 16.751 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

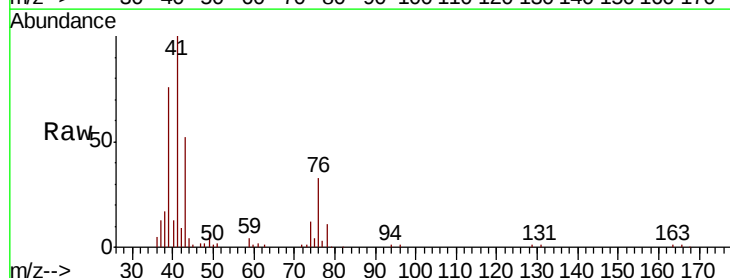
Tgt Ion: 41 Resp: 97382

Ion Ratio Lower Upper

41 100

39 75.8 55.1 82.7

76 33.4 23.6 35.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

20000

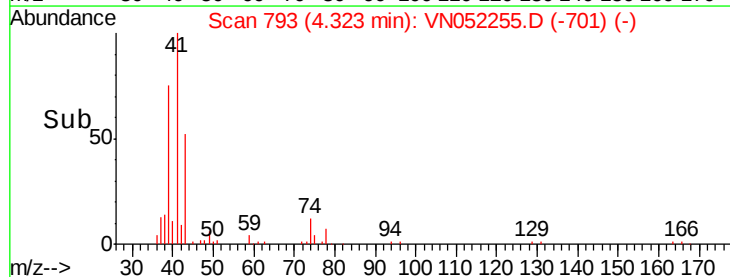
10000

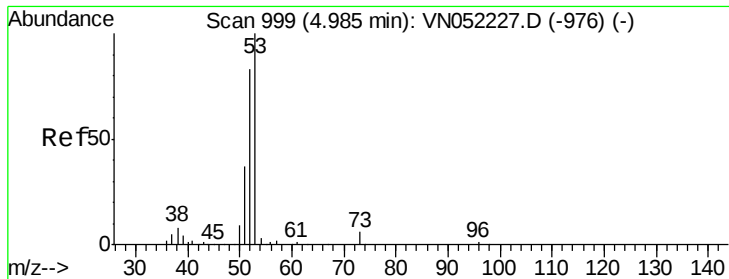
0

4.32

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 95.703 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

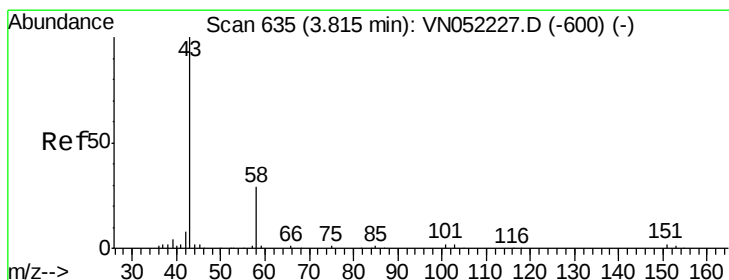
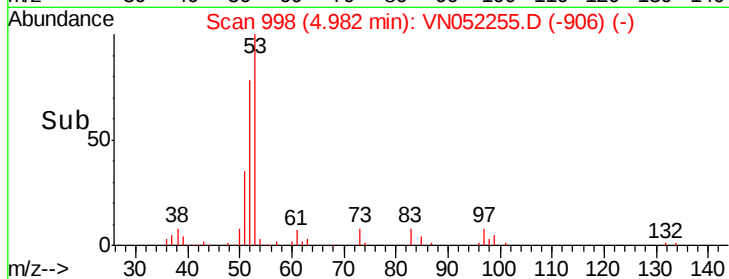
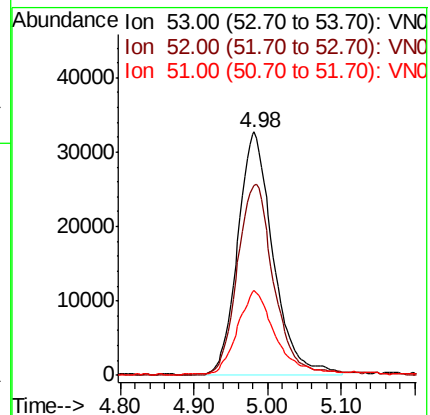
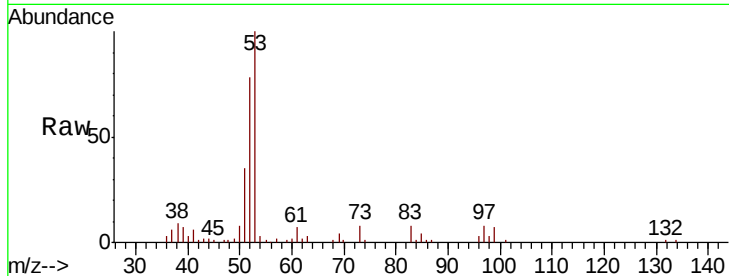
Tot Ion: 53 Resp: 109518

Ion Ratio Lower Upper

53 100

52 80.1 66.7 100.1

51 35.3 29.4 44.0



#16

Acetone

Concen: 85.008 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN052255.D

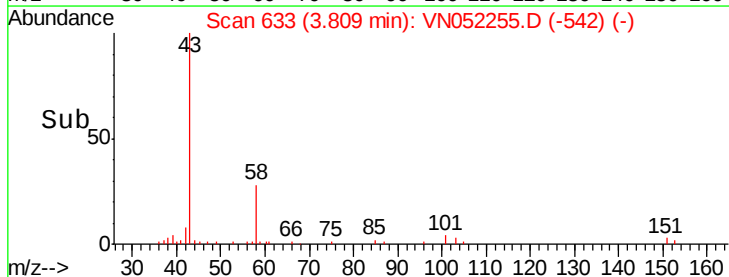
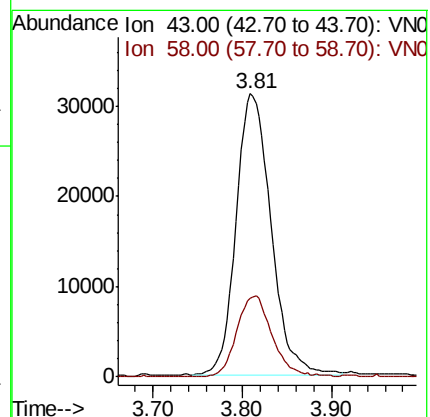
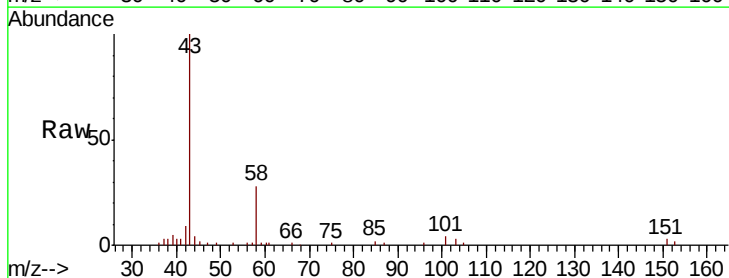
Acq: 12 Nov 2018 12:05

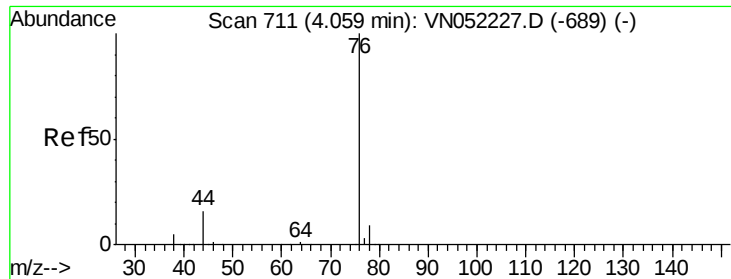
Tgt Ion: 43 Resp: 84585

Ion Ratio Lower Upper

43 100

58 28.0 23.0 34.6

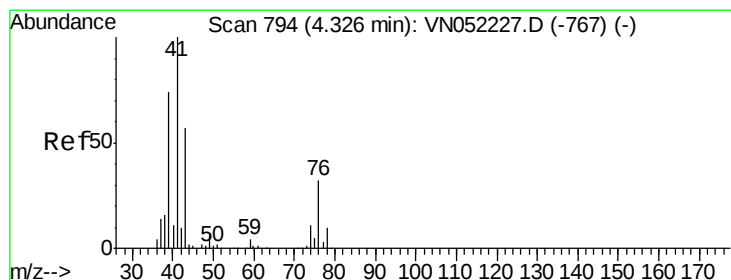
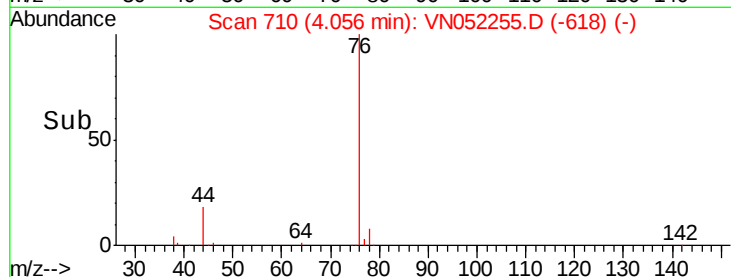
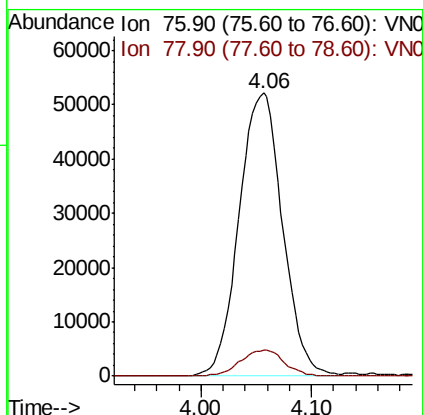
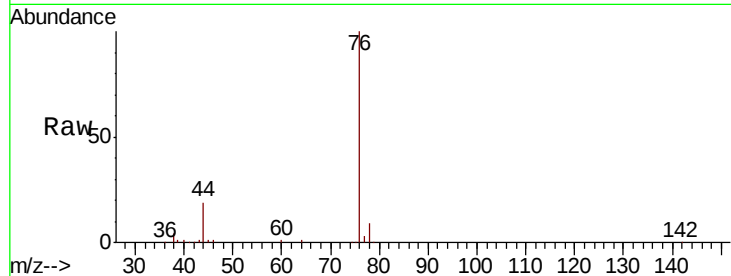




#17
Carbon Disulfide
Concen: 17.688 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

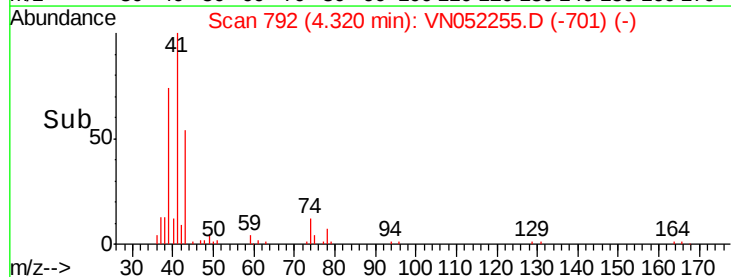
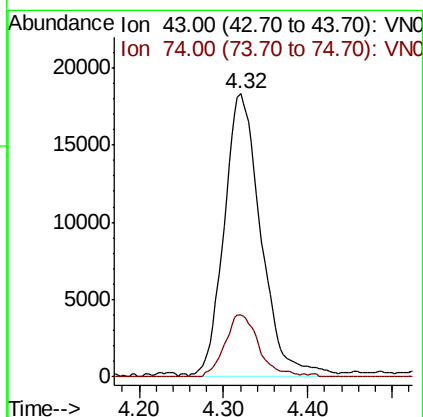
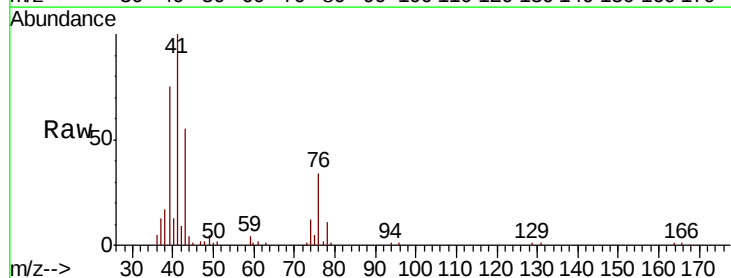
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

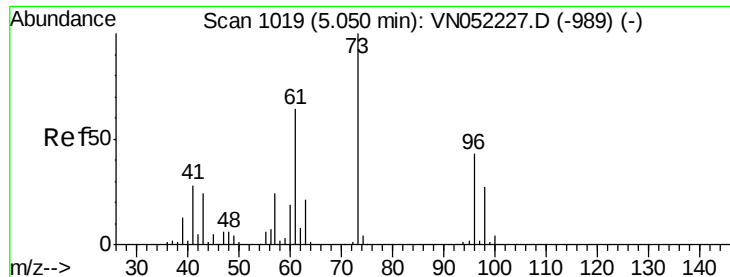
Tot Ion: 76 Resp: 142475
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 18.419 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 43 Resp: 55904
Ion Ratio Lower Upper
43 100
74 20.1 16.2 24.2



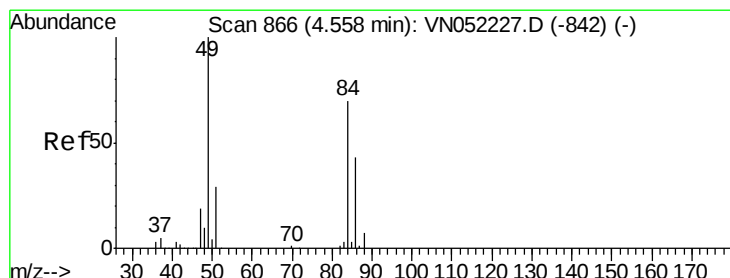
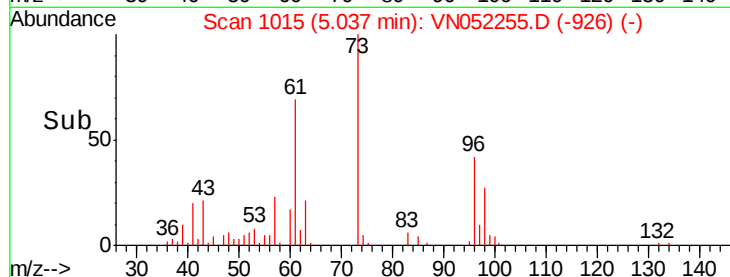
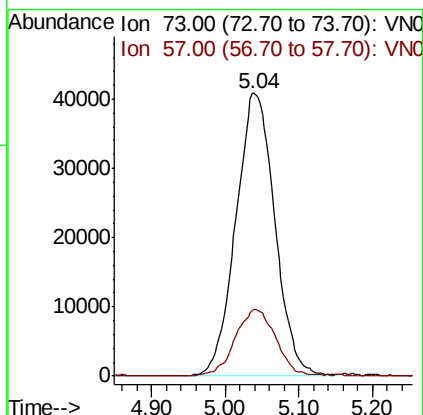
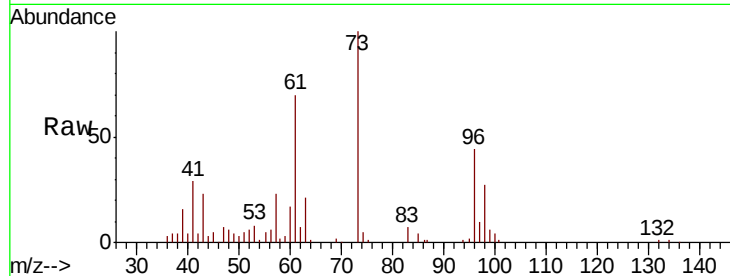


#19

Methyl tert-butyl Ether
 Concen: 19.027 ug/l
 RT: 5.04 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

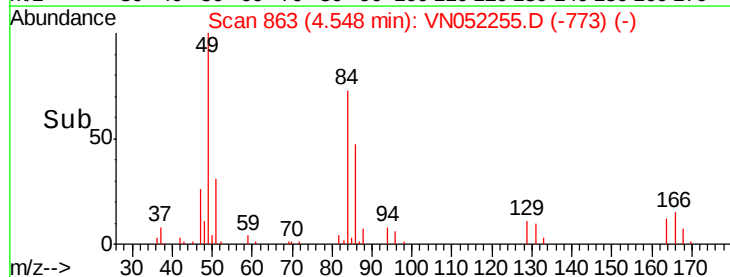
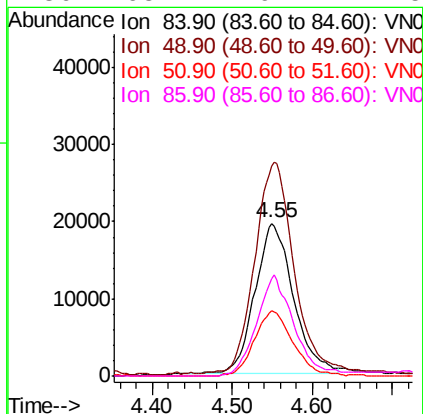
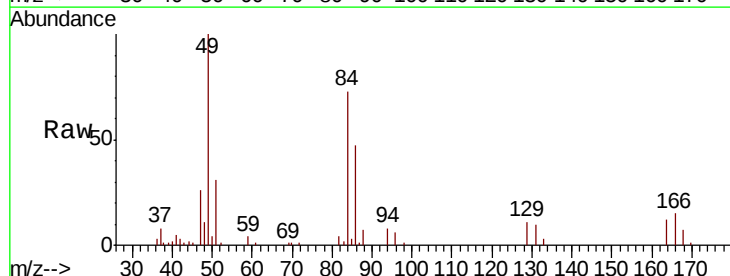
Tot Ion: 73 Resp: 150939
 Ion Ratio Lower Upper
 73 100
 57 23.2 19.1 28.7

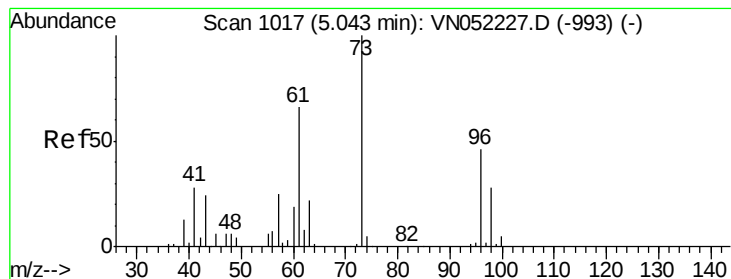


#20

Methylene Chloride
 Concen: 19.507 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Tgt Ion: 84 Resp: 64594
 Ion Ratio Lower Upper
 84 100
 49 137.9 114.8 172.2
 51 43.0 33.1 49.7
 86 65.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 18.433 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

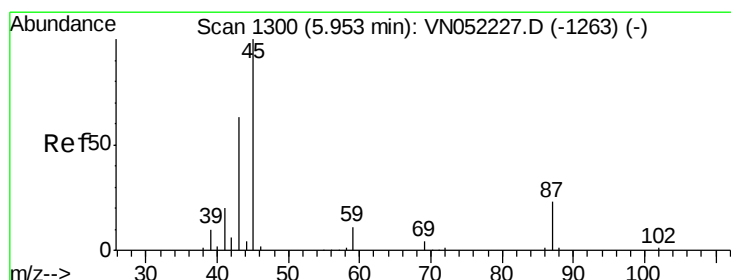
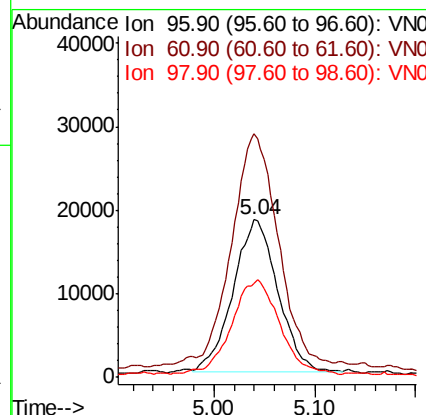
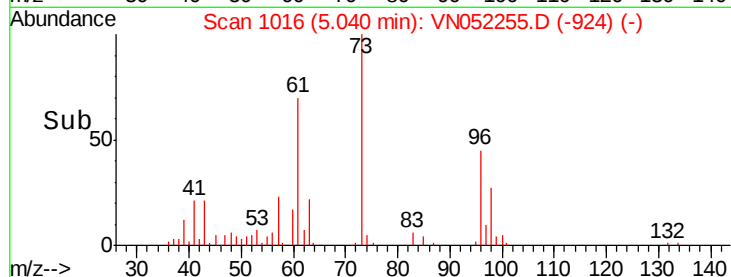
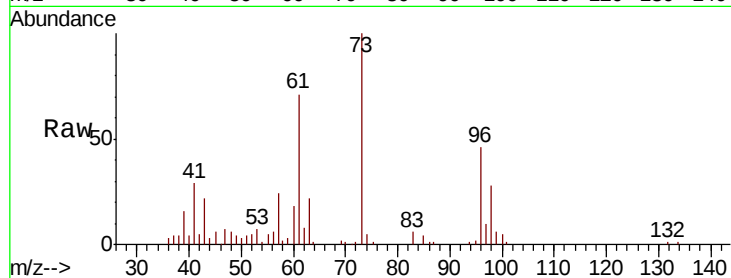
Tot Ion: 96 Resp: 55627

Ion Ratio Lower Upper

96 100

61 150.8 115.3 172.9

98 60.1 49.5 74.3



#22

Diisopropyl ether

Concen: 19.139 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Tgt Ion: 45 Resp: 223039

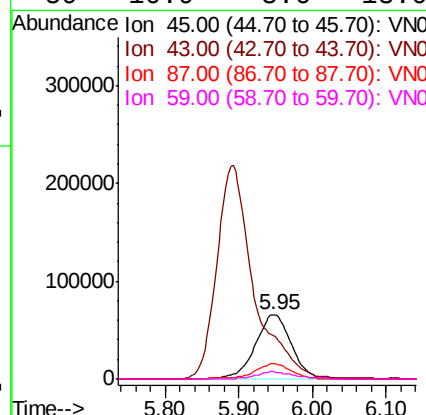
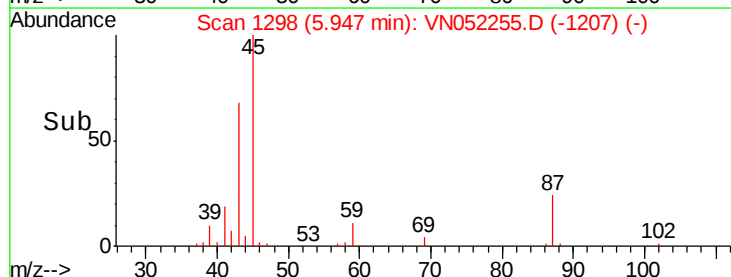
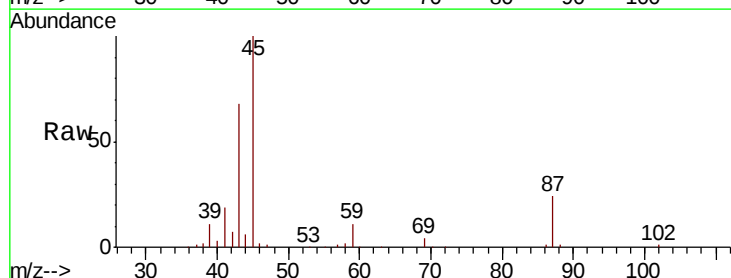
Ion Ratio Lower Upper

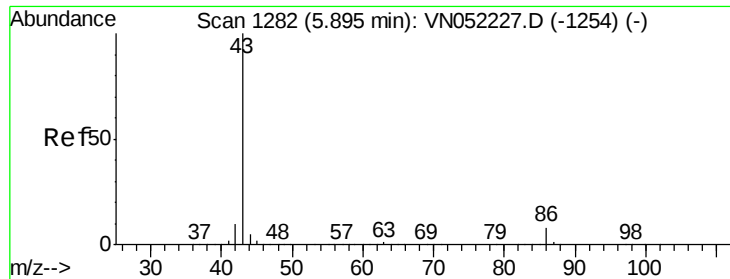
45 100

43 65.7 50.6 76.0

87 24.1 19.0 28.4

59 10.9 8.6 13.0





#23

Vinyl Acetate

Concen: 95.083 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

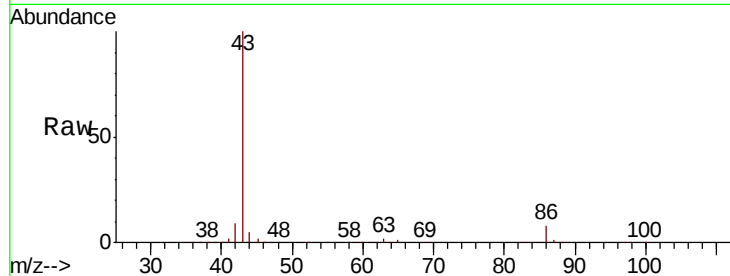
VN1112WBSD01

Tot Ion: 43 Resp: 760332

Ion Ratio Lower Upper

43 100

86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052227.D (-1254) (-)

250000

200000

150000

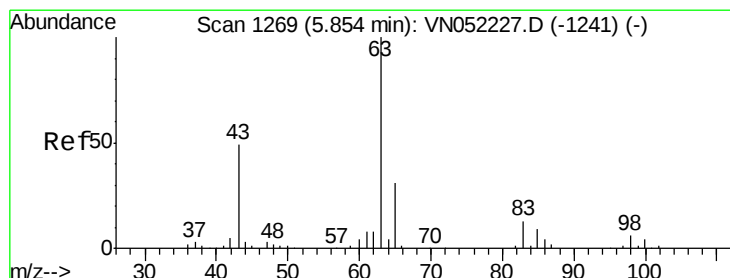
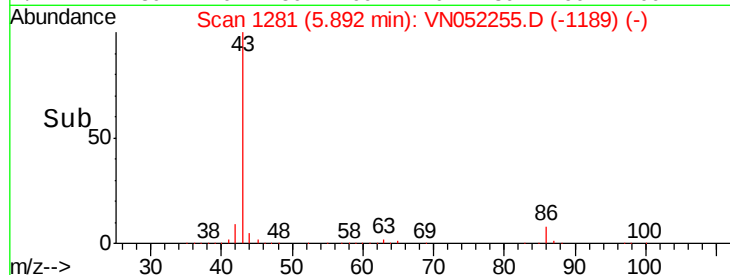
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.670 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

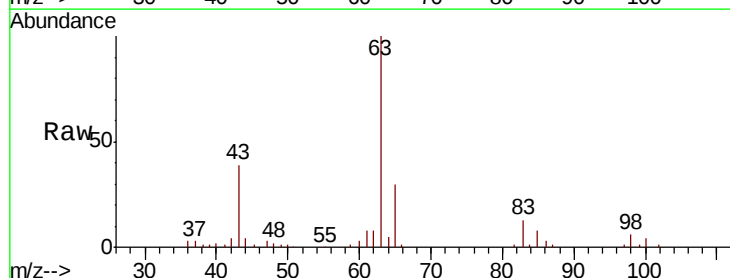
Tgt Ion: 63 Resp: 114920

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 4.0 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VN052227.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052227.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052227.D (-1241) (-)

50000

40000

30000

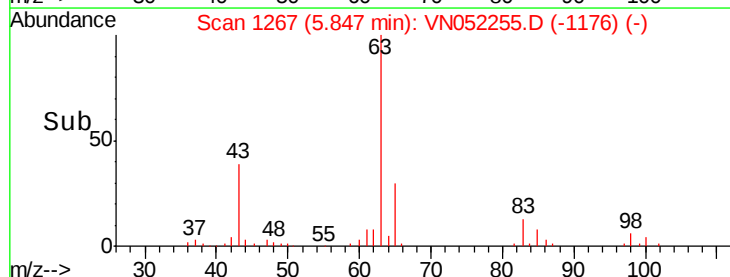
20000

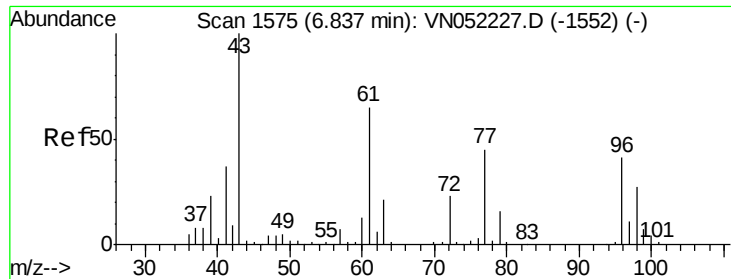
10000

0

5.70 5.80 5.90

Time-->

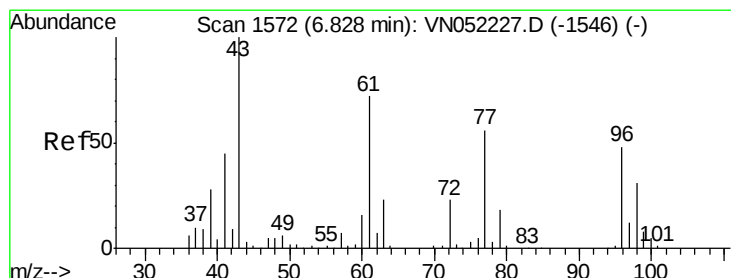
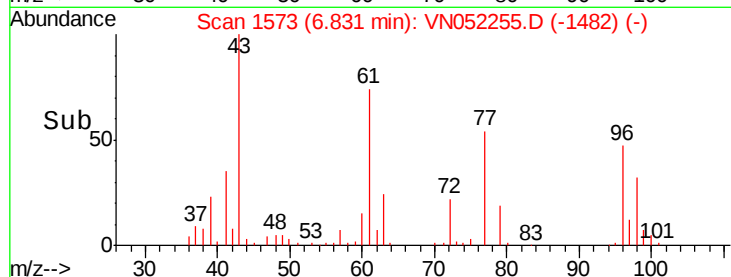
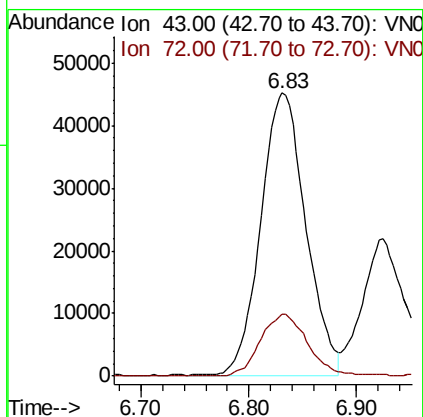
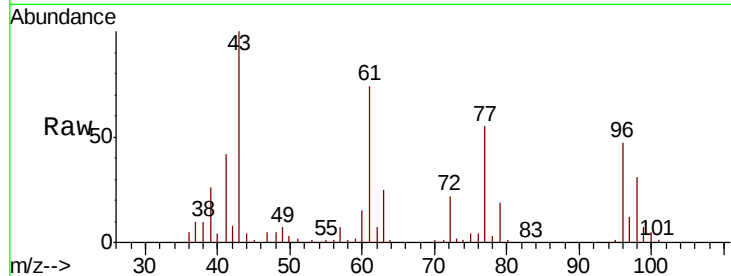




#25
2-Butanone
Concen: 84.162 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

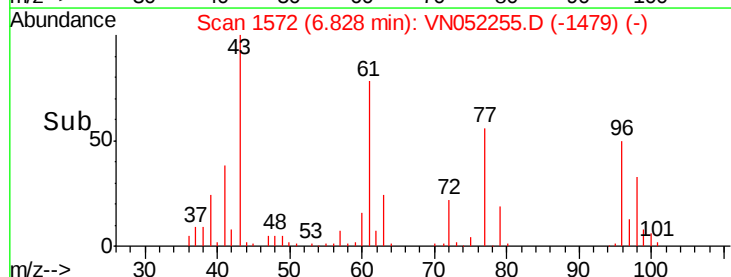
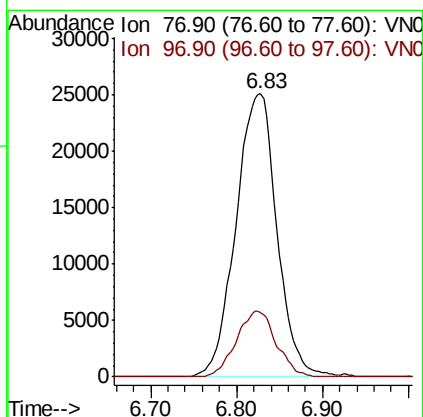
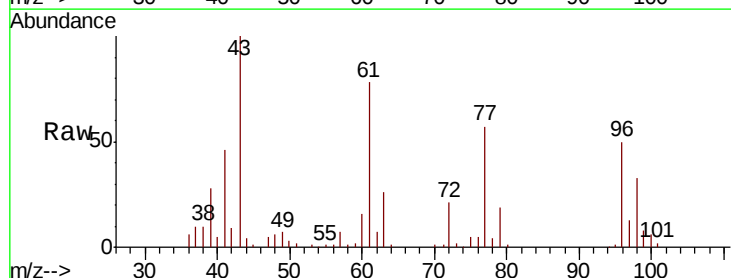
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

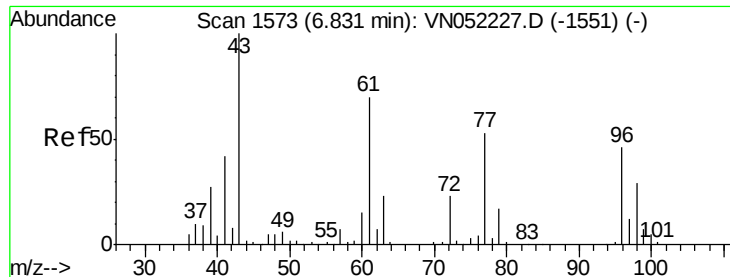
Tot Ion: 43 Resp: 130409
Ion Ratio Lower Upper
43 100
72 21.9 18.6 27.8



#26
2,2-Dichloropropane
Concen: 18.477 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 77 Resp: 83065
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 18.981 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

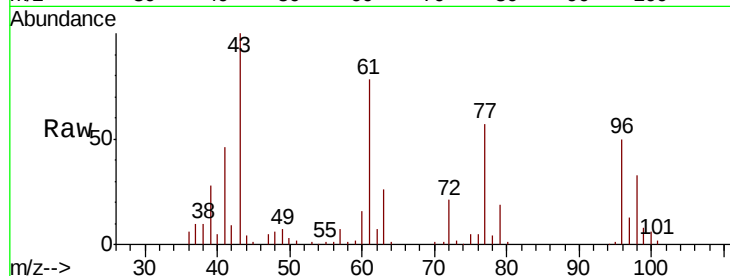
Tot Ion: 96 Resp: 64119

Ion Ratio Lower Upper

96 100

61 157.0 0.0 313.4

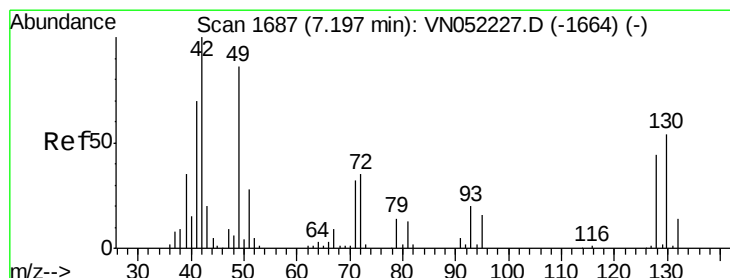
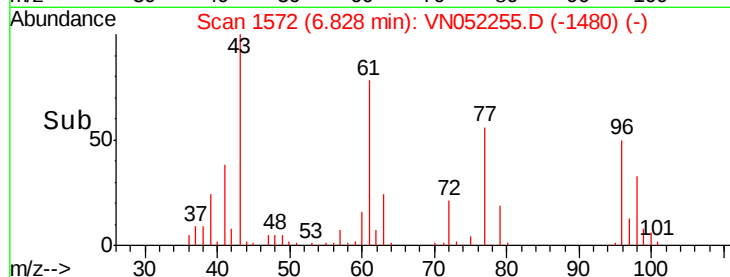
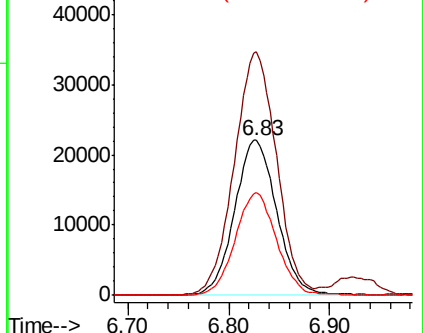
98 64.9 0.0 129.8



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



#28

Bromochloromethane

Concen: 20.067 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

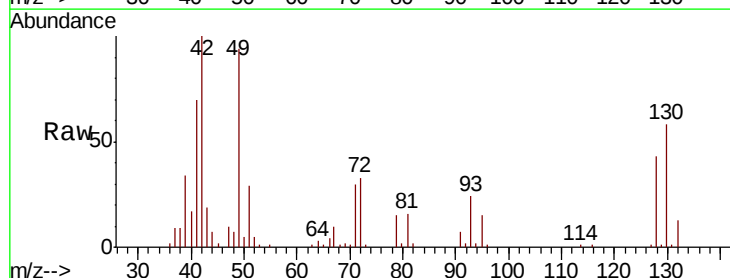
Tgt Ion: 49 Resp: 61033

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

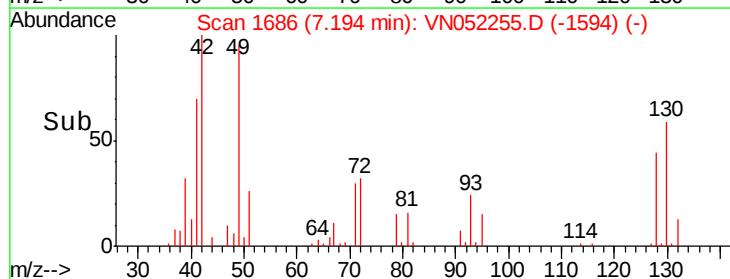
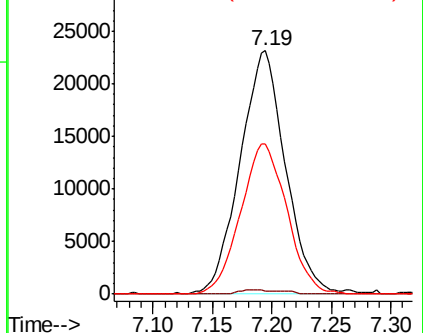
130 62.8 51.4 77.2

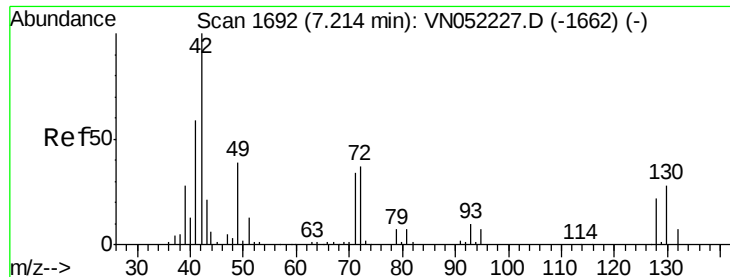


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

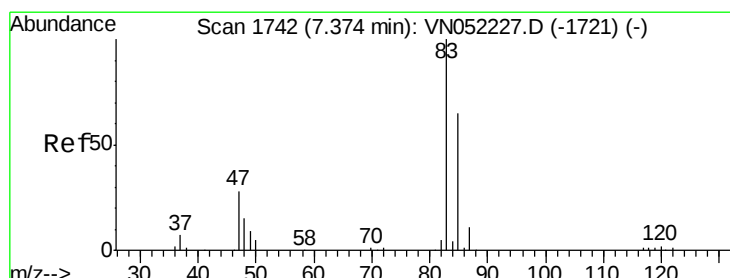
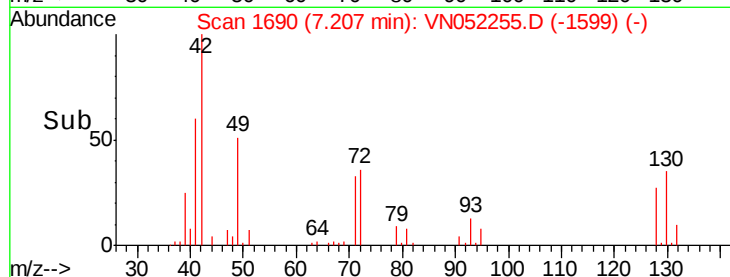
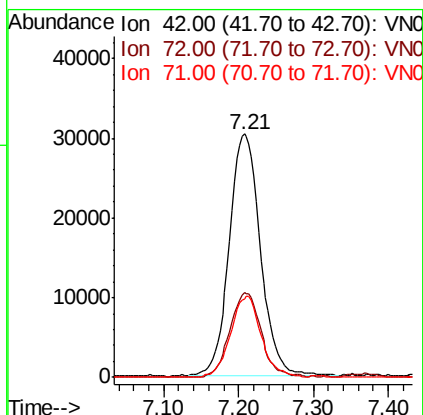
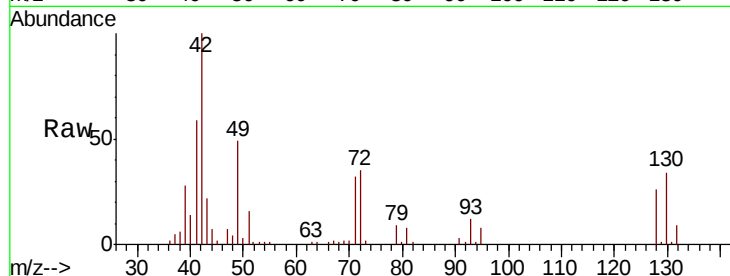




#29
Tetrahydrofuran
Concen: 87.041 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

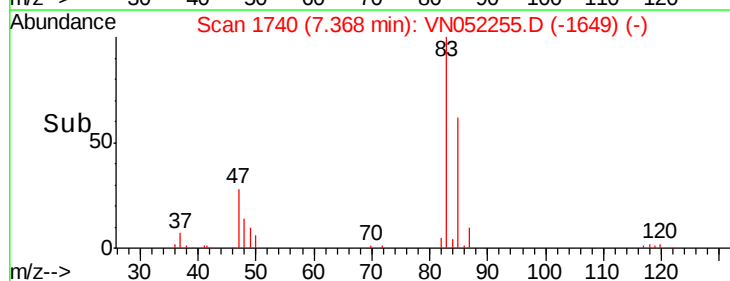
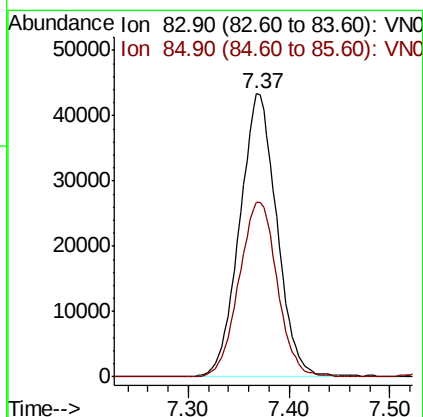
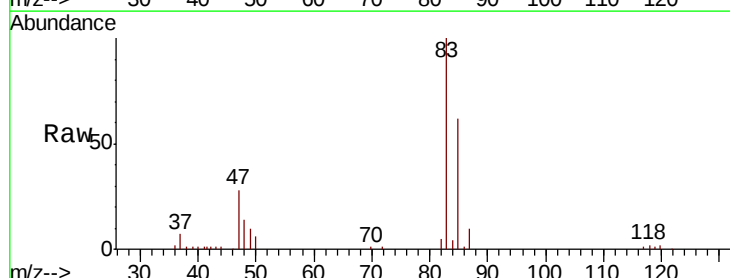
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

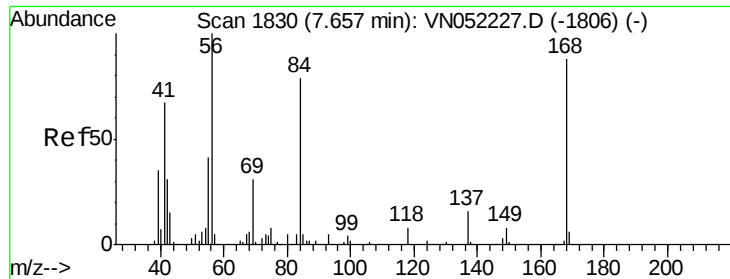
Tot Ion: 42 Resp: 87775
Ion Ratio Lower Upper
42 100
72 34.9 28.6 43.0
71 33.0 27.1 40.7



#30
Chloroform
Concen: 18.989 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 83 Resp: 110620
Ion Ratio Lower Upper
83 100
85 61.6 51.8 77.6

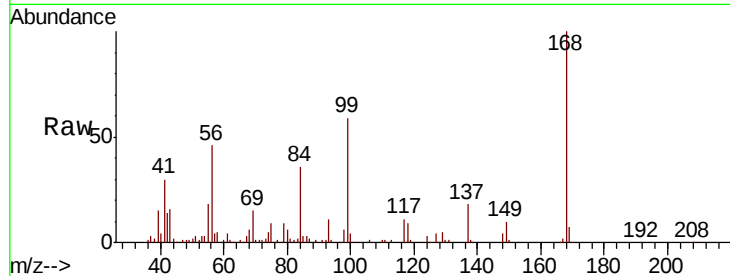




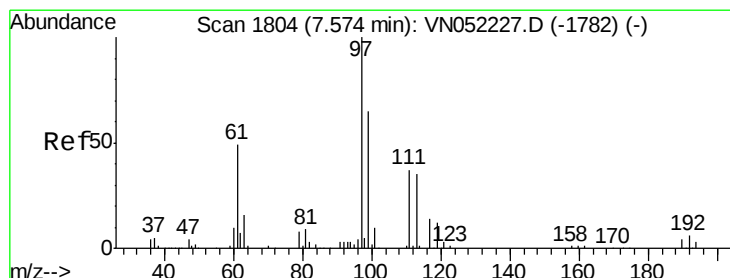
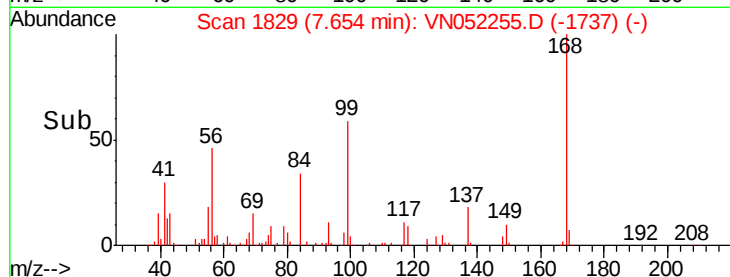
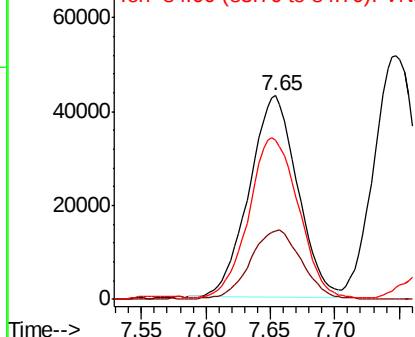
#31
Cyclohexane
Concen: 19.340 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion: 56 Resp: 112460
Ion Ratio Lower Upper
56 100
69 33.7 24.8 37.2
84 77.7 63.1 94.7

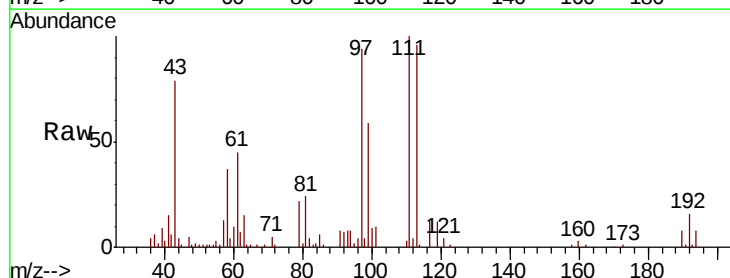


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

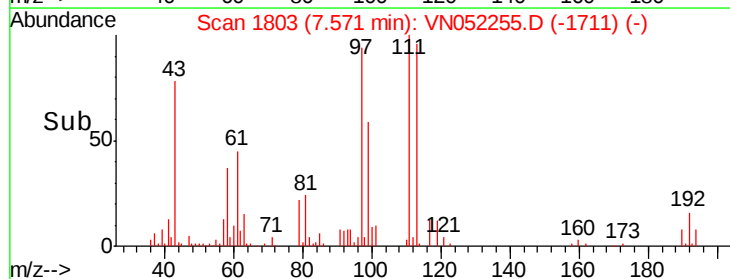
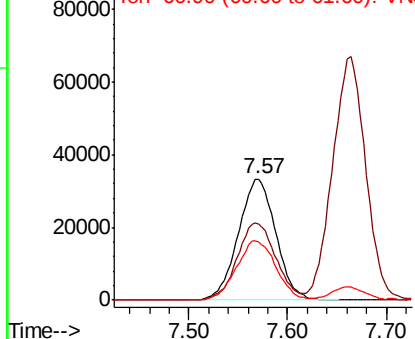


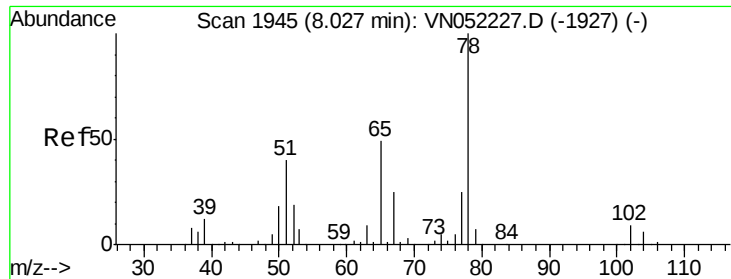
#32
1,1,1-Trichloroethane
Concen: 18.483 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 97 Resp: 87760
Ion Ratio Lower Upper
97 100
99 65.7 51.9 77.9
61 51.5 40.2 60.4



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

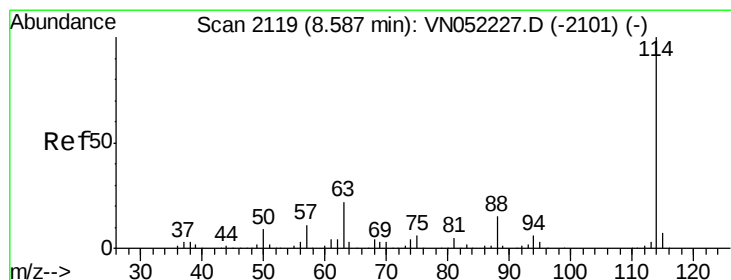
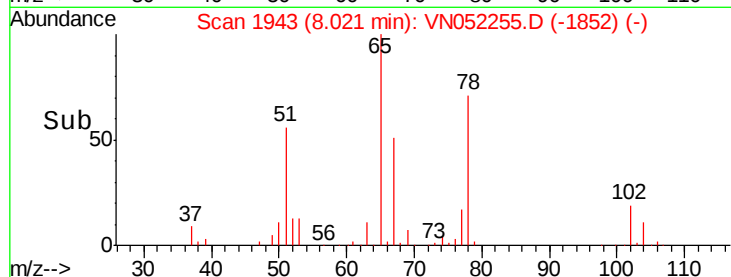
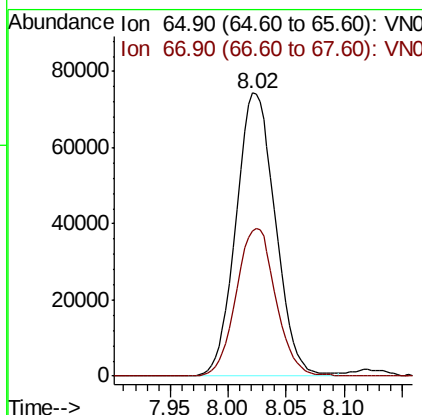
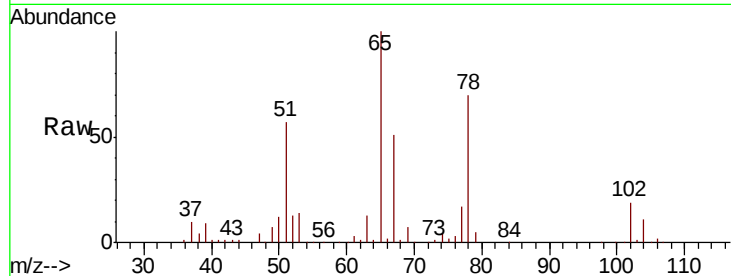




#33
 1,2-Dichloroethane-d4
 Concen: 18.483 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

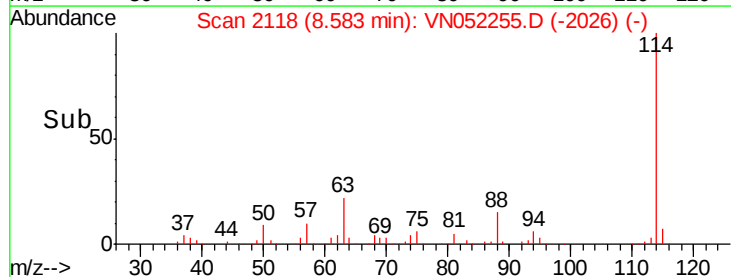
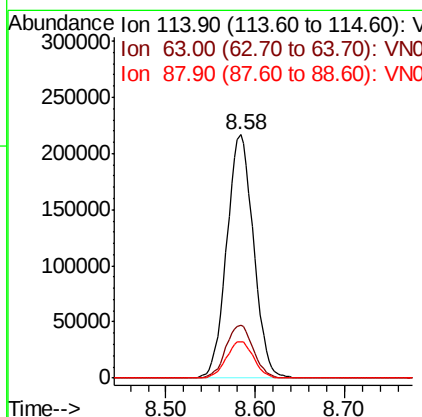
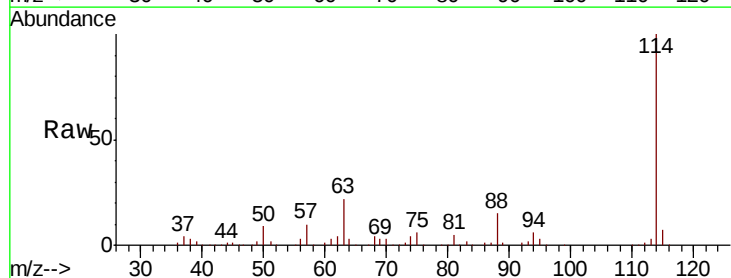
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

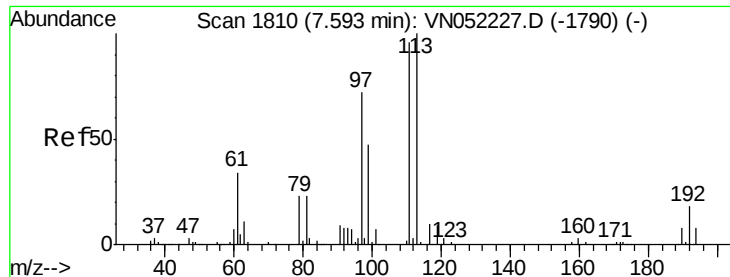
Tot Ion: 65 Resp: 175614
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Tgt Ion: 114 Resp: 449766
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 15.1 0.0 30.2

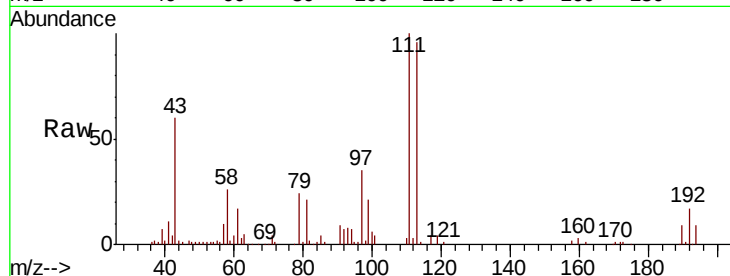




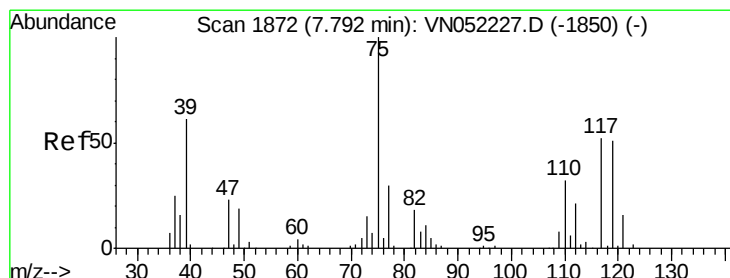
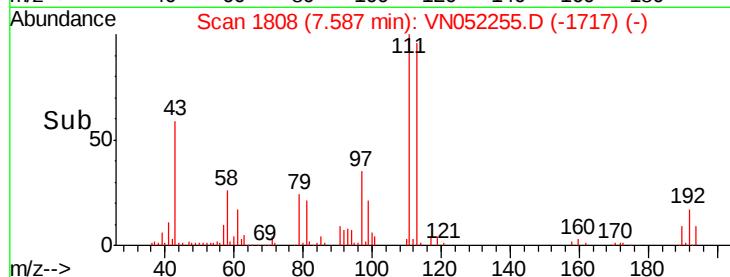
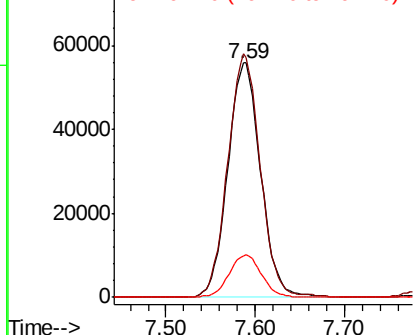
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion:113 Resp: 142377
Ion Ratio Lower Upper
113 100
111 102.6 80.2 120.4
192 17.8 14.1 21.1

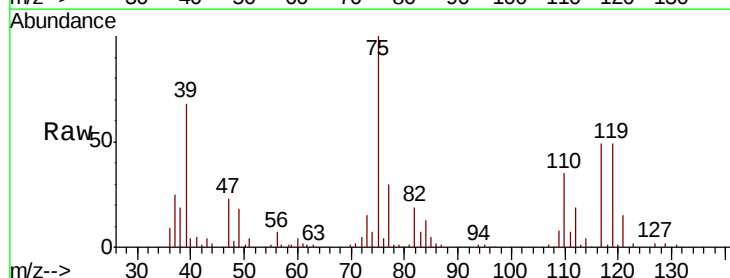


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

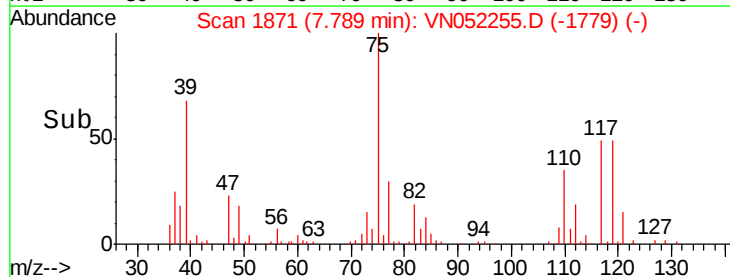
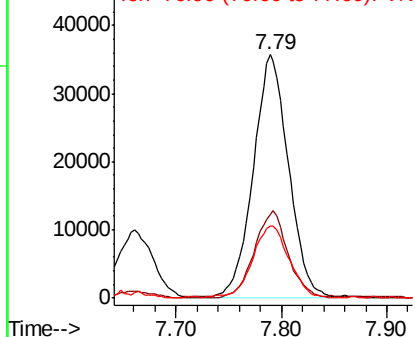


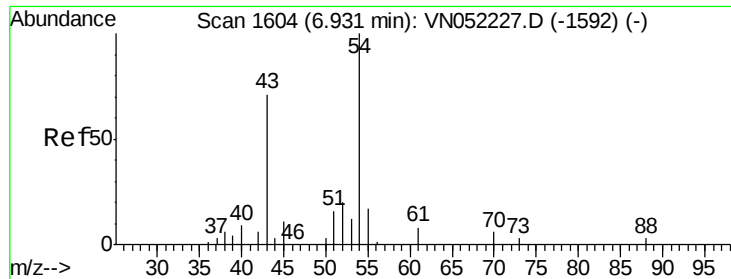
#36
1,1-Dichloropropene
Concen: 18.398 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 75 Resp: 83519
Ion Ratio Lower Upper
75 100
110 34.1 16.4 49.4
77 30.9 23.9 35.9



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

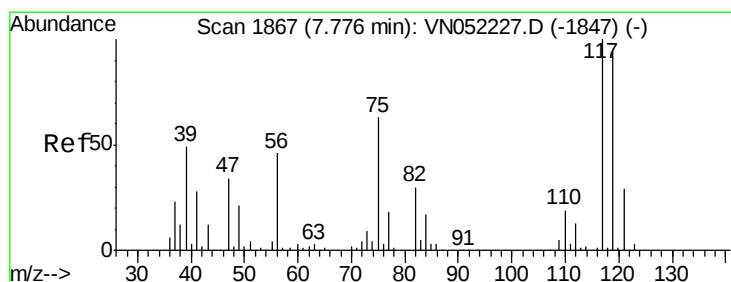
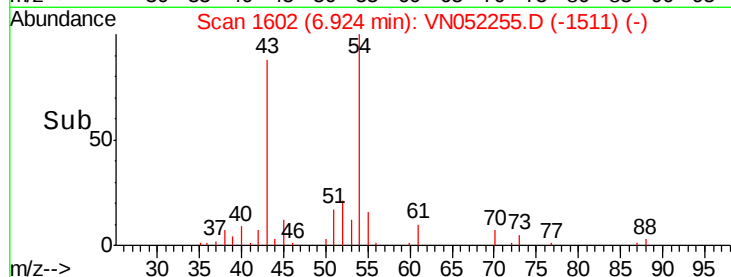
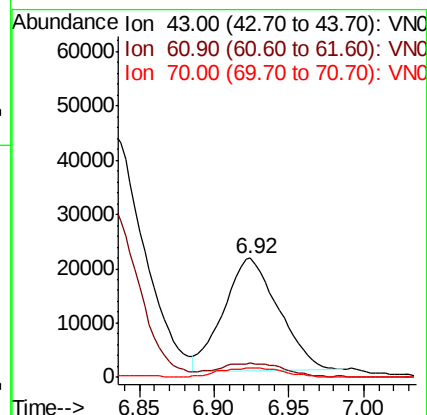
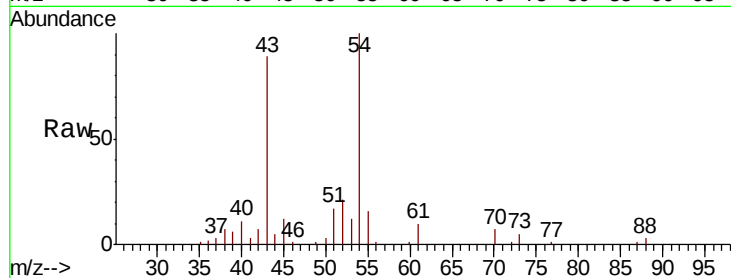




#37
Ethyl Acetate
Concen: 15.647 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

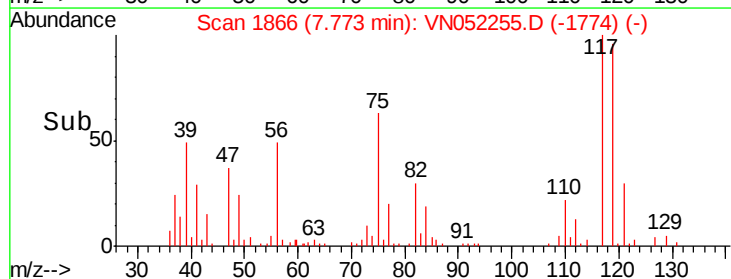
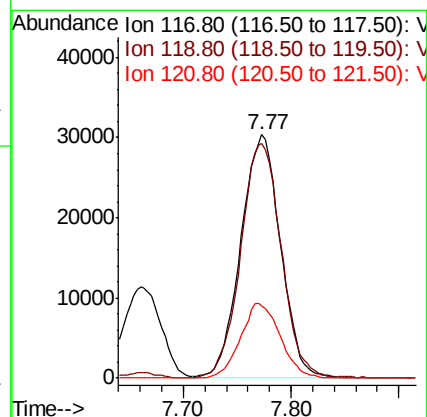
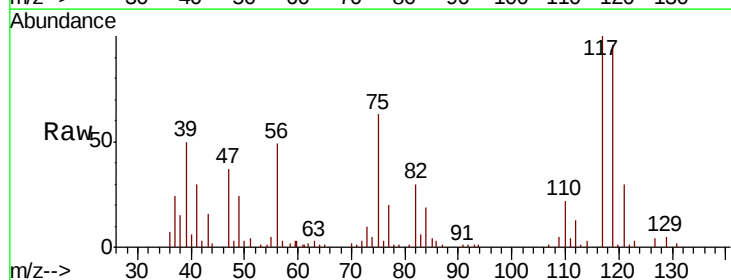
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

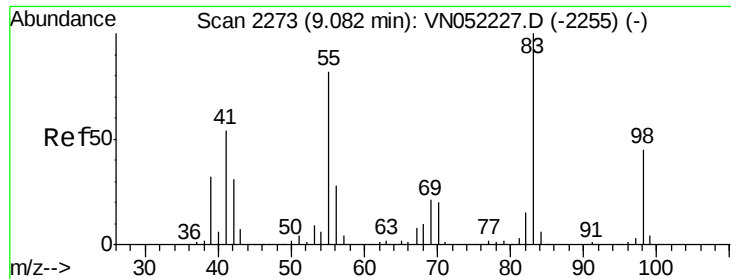
Tot Ion: 43 Resp: 53427
Ion Ratio Lower Upper
43 100
61 12.8 10.0 15.0
70 10.3 6.9 10.3



#38
Carbon Tetrachloride
Concen: 18.950 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 117 Resp: 77961
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.8
121 29.8 23.4 35.2

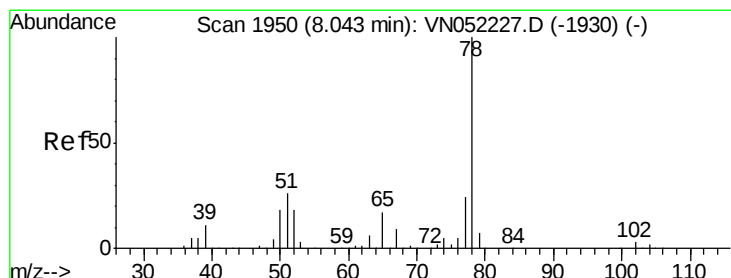
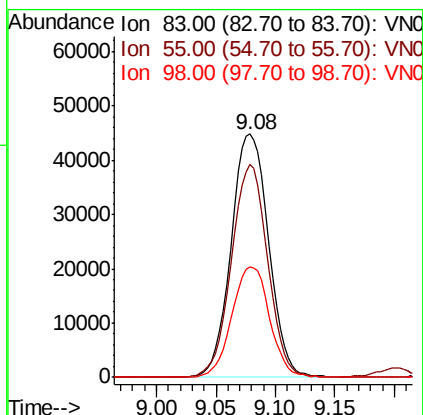
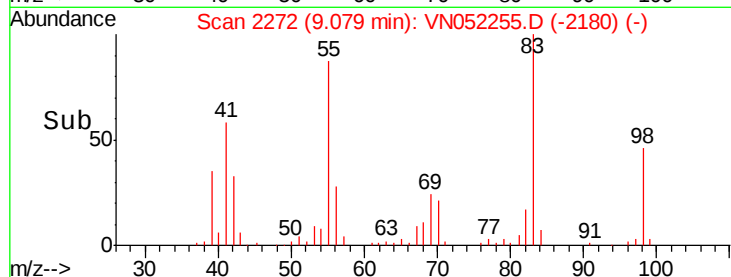
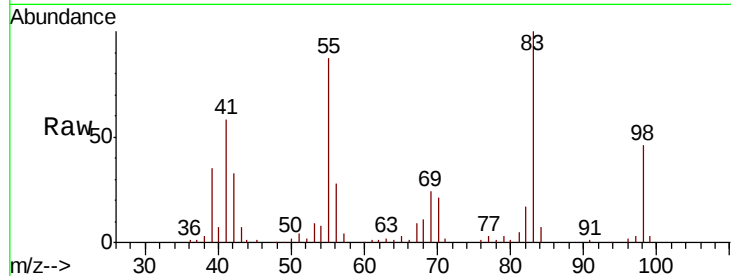




#39
Methvlcvclohexane
Concen: 18.909 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

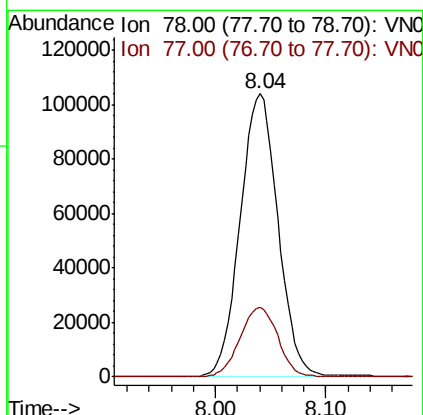
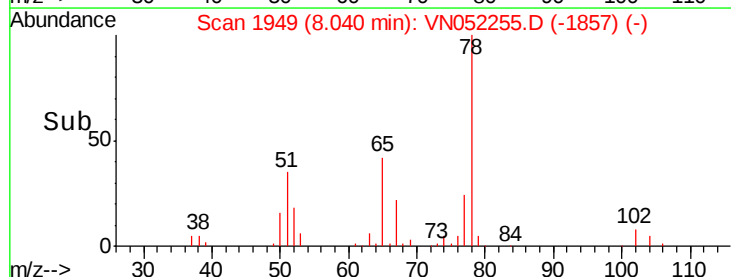
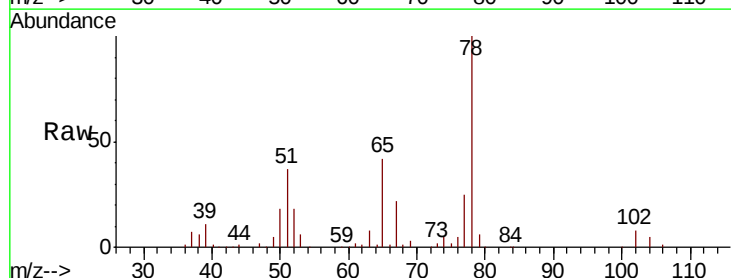
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

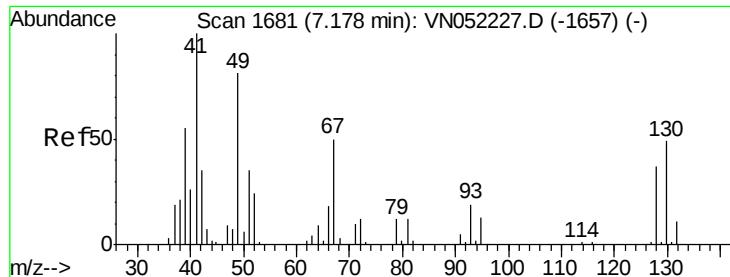
Tot Ion: 83 Resp: 97913
Ion Ratio Lower Upper
83 100
55 87.3 65.2 97.8
98 45.6 36.3 54.5



#40
Benzene
Concen: 19.048 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 78 Resp: 247577
Ion Ratio Lower Upper
78 100
77 24.6 19.2 28.8

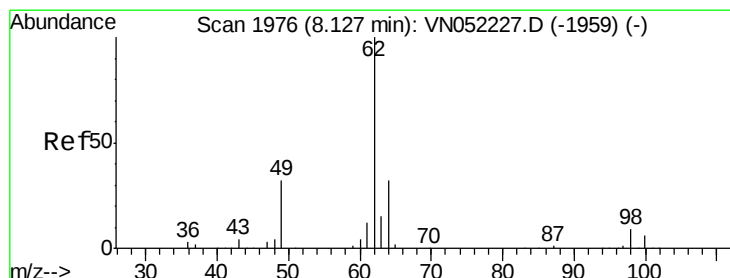
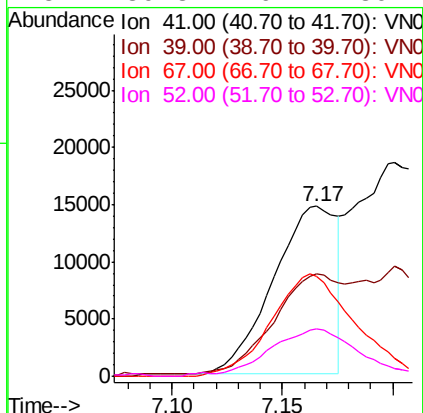
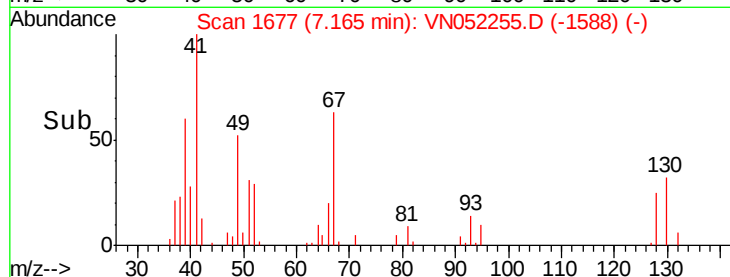
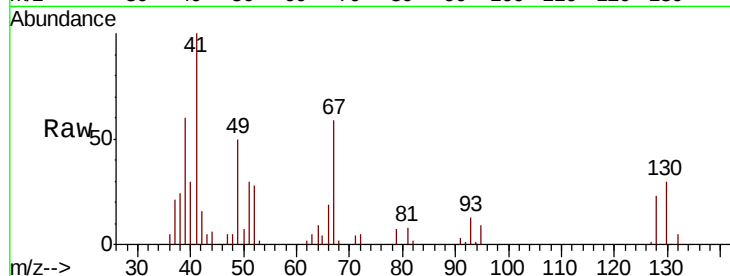




#41
Methacrylonitrile
Concen: 14.732 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

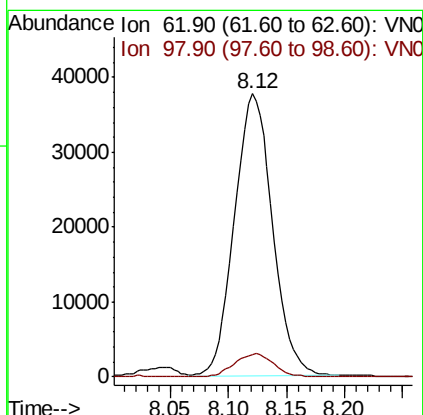
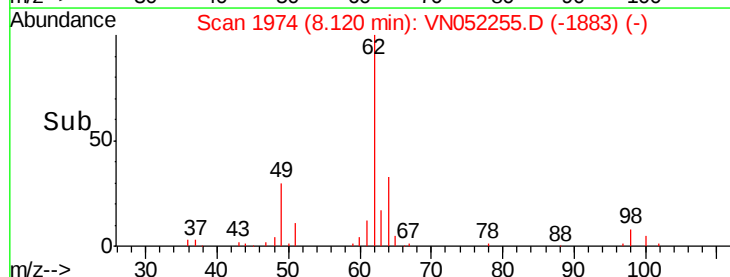
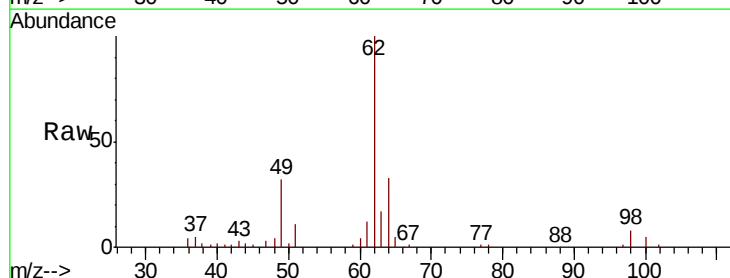
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

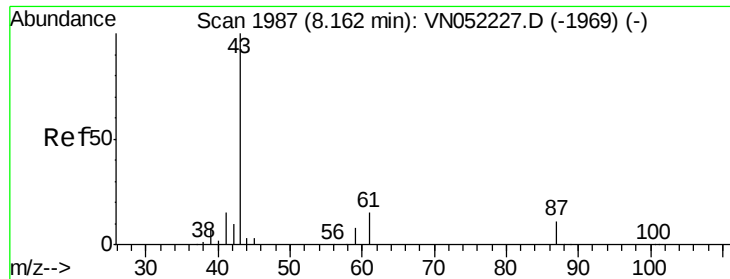
Tot Ion:	41	Resp:	29229
Ion	Ratio	Lower	Upper
41	100		
39	63.1	47.8	71.6
67	80.2	54.3	81.5
52	39.3	26.2	39.4



#42
1,2-Dichloroethane
Concen: 18.799 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.01 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion:	62	Resp:	85732
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





#43

Isopropyl Acetate

Concen: 17.954 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

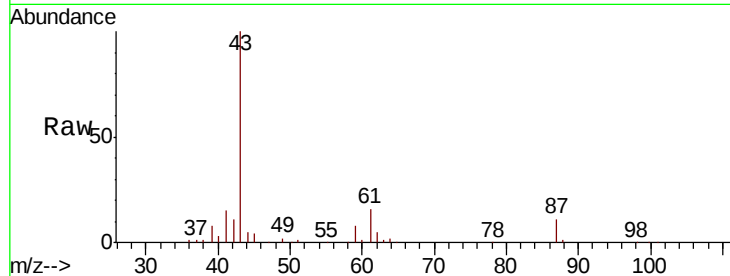
Tot Ion: 43 Resp: 106852

Ion Ratio Lower Upper

43 100

61 16.4 14.2 21.4

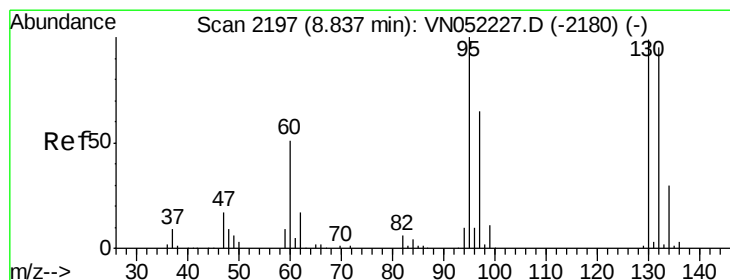
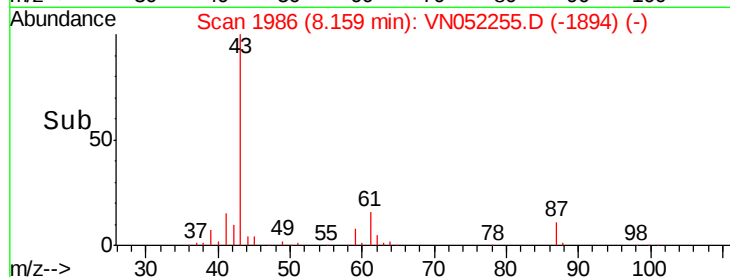
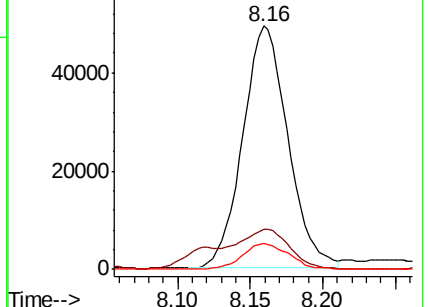
87 11.0 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN052227.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN052227.D (-1969) (-)



#44

Trichloroethene

Concen: 18.901 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052255.D

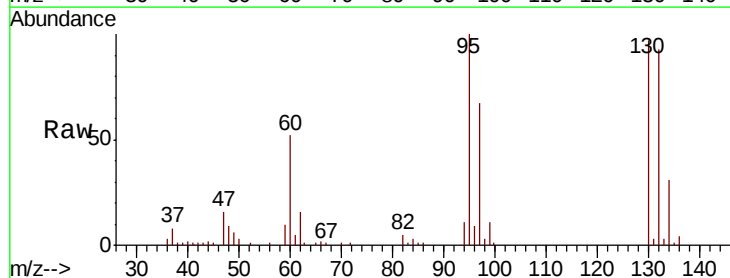
Acq: 12 Nov 2018 12:05

Tgt Ion:130 Resp: 61561

Ion Ratio Lower Upper

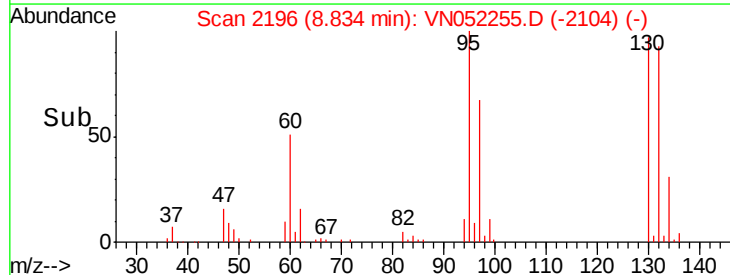
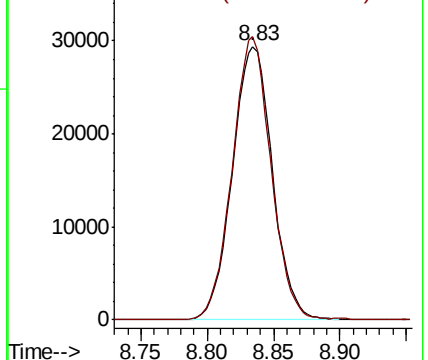
130 100

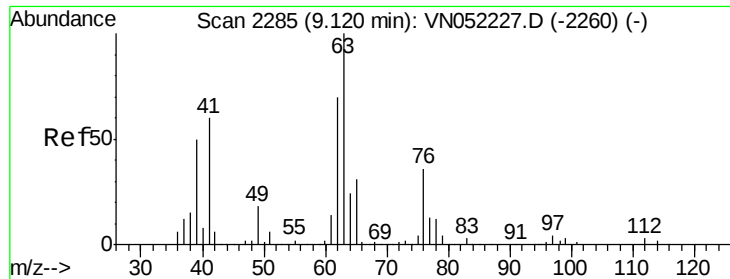
95 103.5 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN052227.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052227.D (-2180) (-)

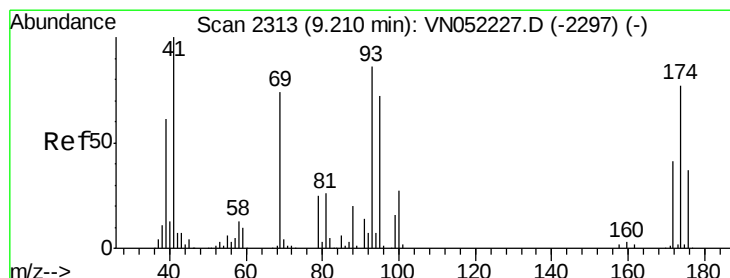
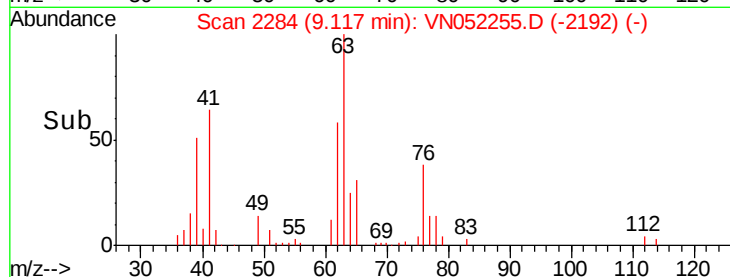
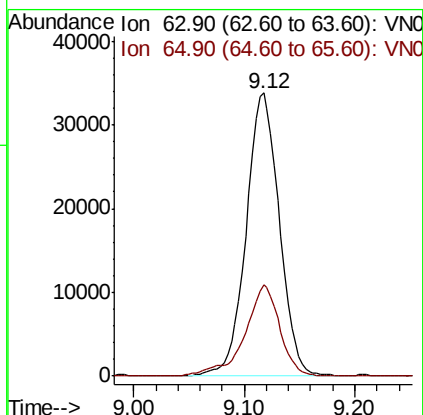
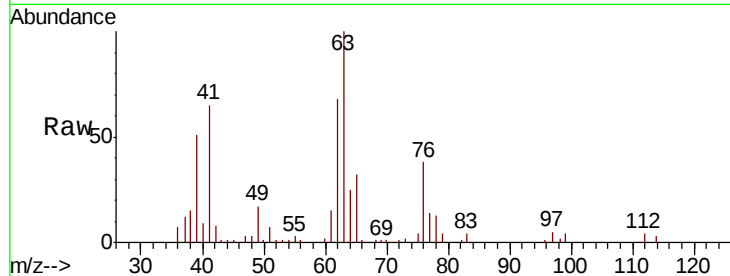




#45
 1,2-Dichloropropane
 Concen: 19.376 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

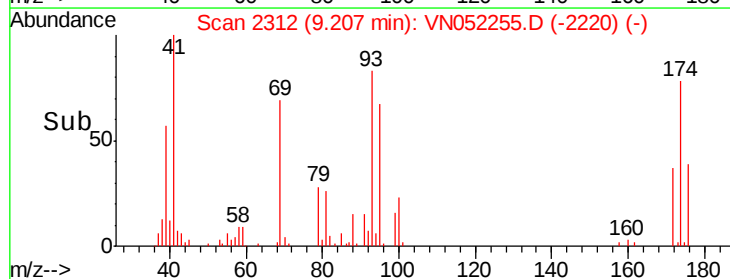
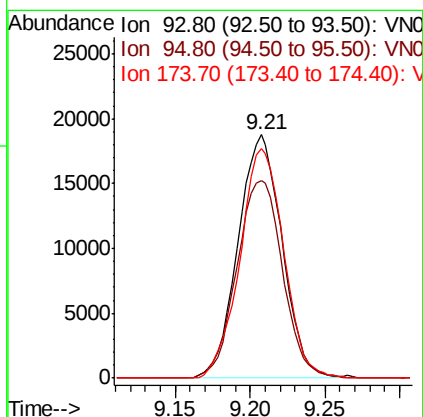
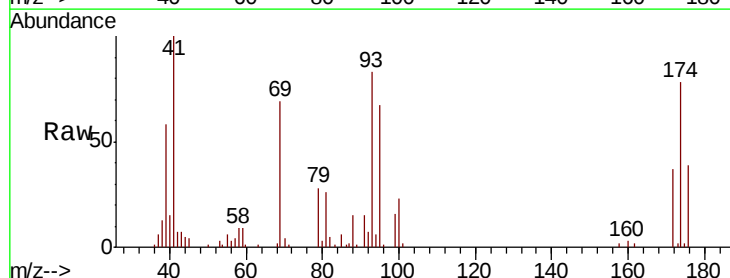
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

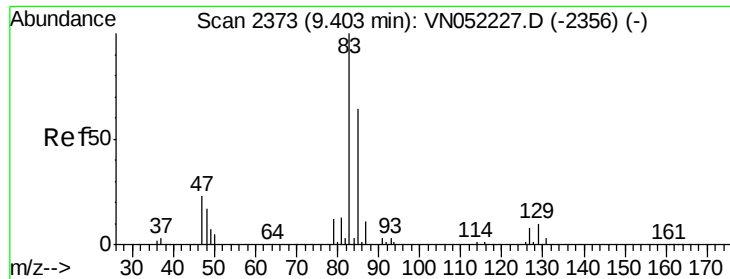
Tot Ion: 63 Resp: 70356
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.8 37.2



#46
 Dibromomethane
 Concen: 18.419 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Tgt Ion: 93 Resp: 38418
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.0 100.4
 174 93.8 72.1 108.1





#47

Bromodichloromethane

Concen: 22.543 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

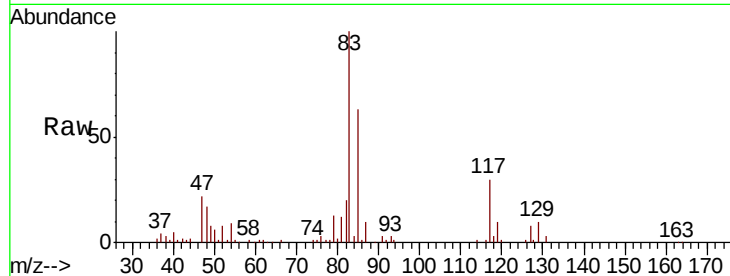
Tot Ion: 83 Resp: 97418

Ion Ratio Lower Upper

83 100

85 62.7 51.2 76.8

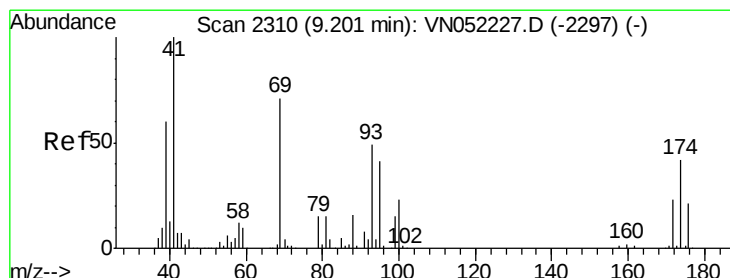
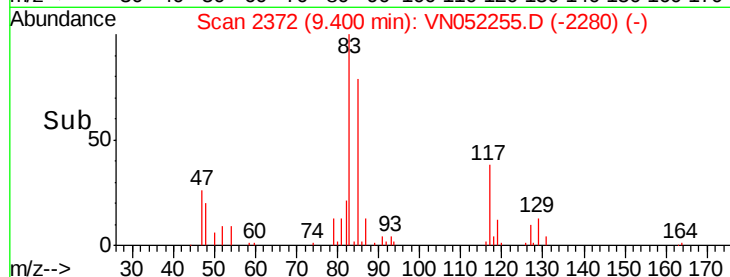
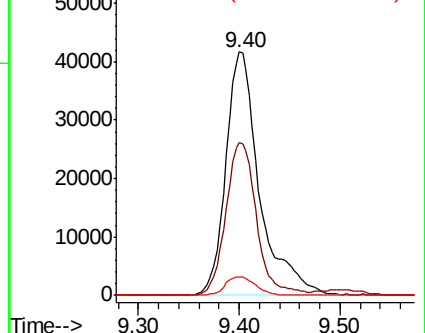
127 7.7 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 17.646 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

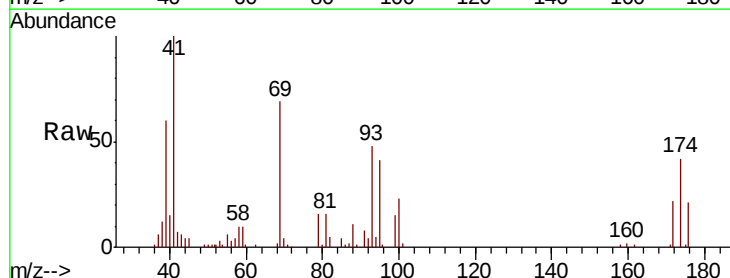
Tgt Ion: 41 Resp: 55336

Ion Ratio Lower Upper

41 100

69 73.1 58.8 88.2

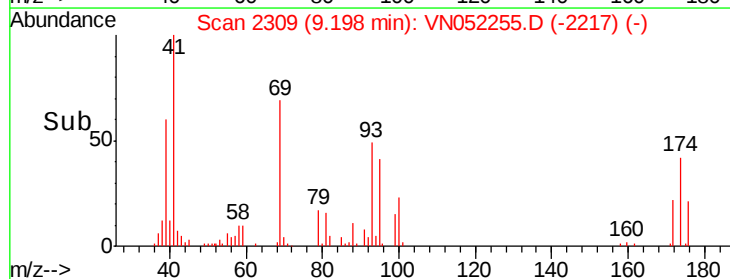
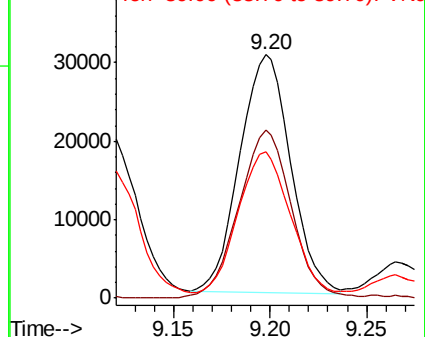
39 64.3 50.7 76.1

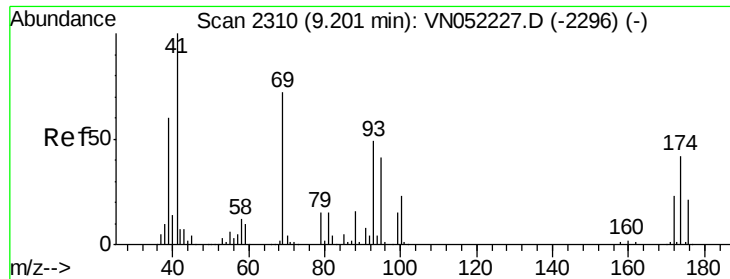


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 309.062 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

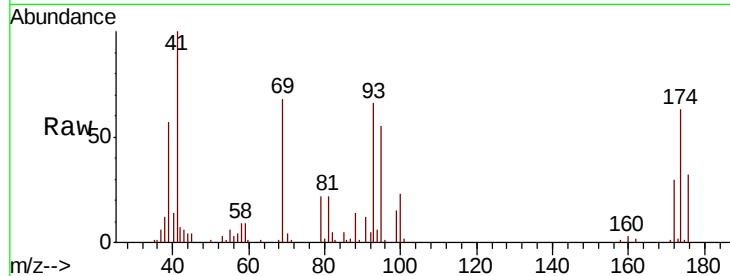
Tot Ion: 88 Resp: 7791

Ion Ratio Lower Upper

88 100

43 44.4 32.5 48.7

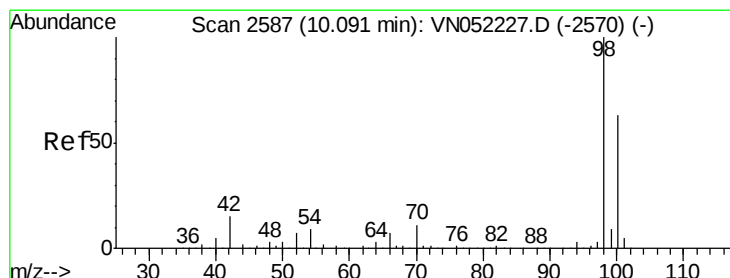
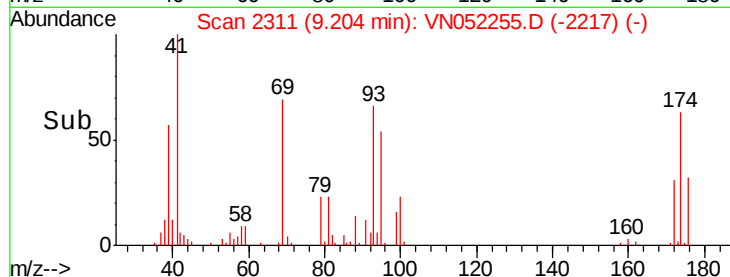
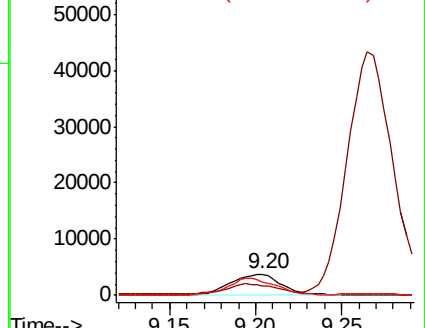
58 76.7 58.2 87.4



Abundance Ion 88.00 (87.70 to 88.70): VN052227.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN052227.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2296) (-)



#50

Toluene-d8

Concen: 309.062 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052255.D

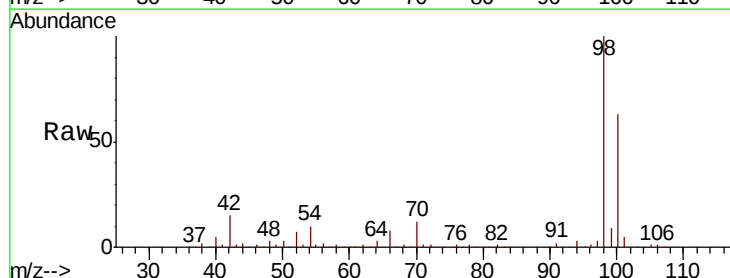
Acq: 12 Nov 2018 12:05

Tgt Ion: 98 Resp: 551104

Ion Ratio Lower Upper

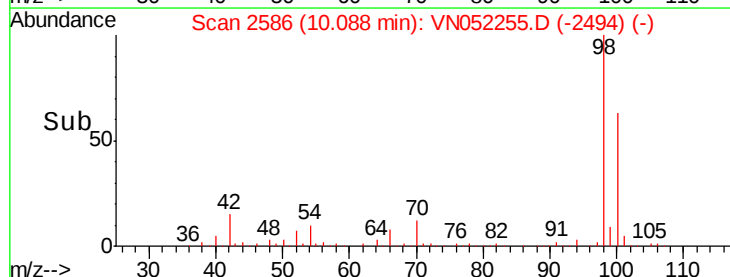
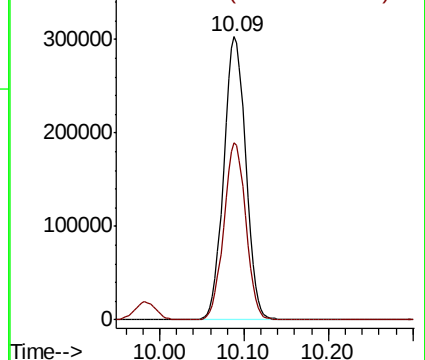
98 100

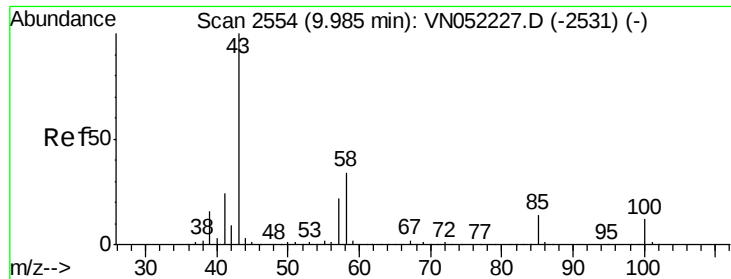
100 62.0 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 90.801 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

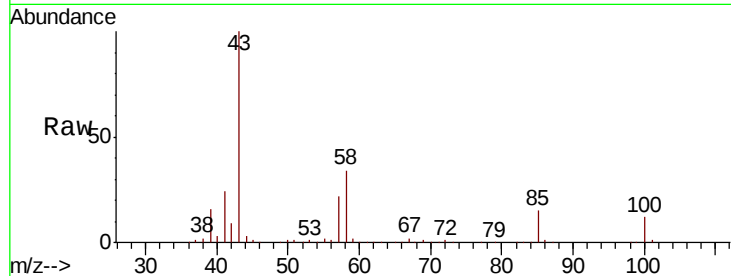
VN1112WBSD01

Tot Ion: 43 Resp: 298442

Ion Ratio Lower Upper

43 100

58 34.2 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

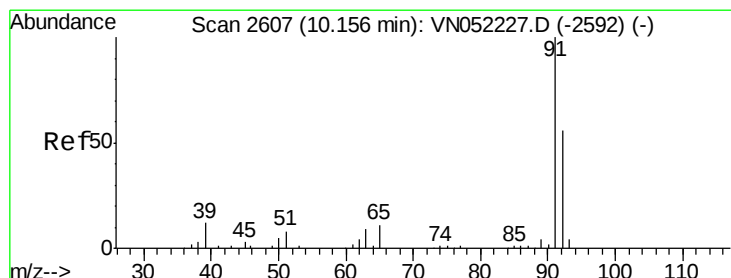
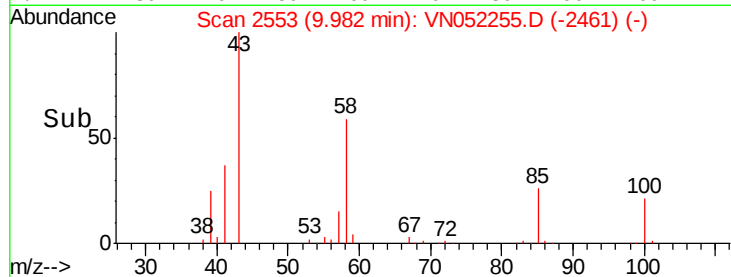
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.717 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052255.D

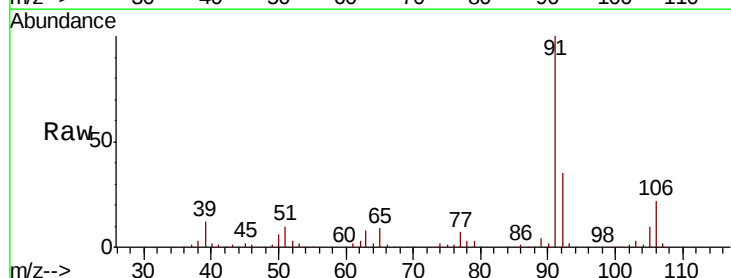
Acq: 12 Nov 2018 12:05

Tgt Ion: 92 Resp: 185958

Ion Ratio Lower Upper

92 100

91 391.6 142.5 213.7#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

250000

200000

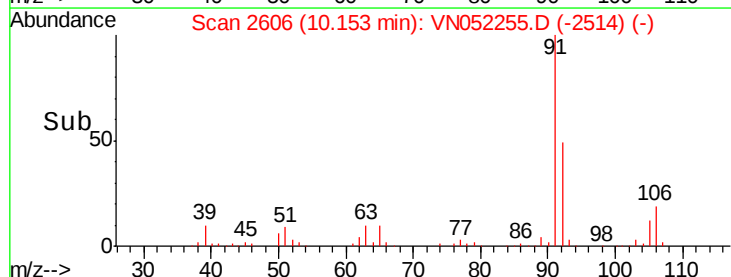
150000

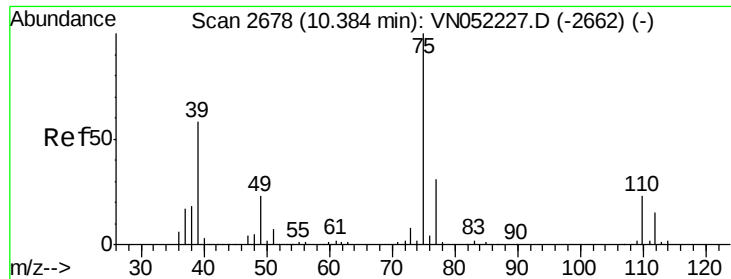
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.090 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

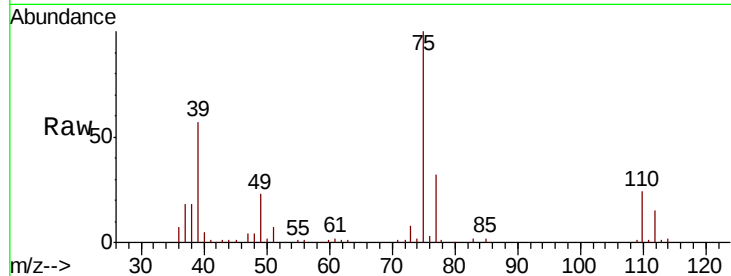
VN1112WBSD01

Tot Ion: 75 Resp: 81408

Ion Ratio Lower Upper

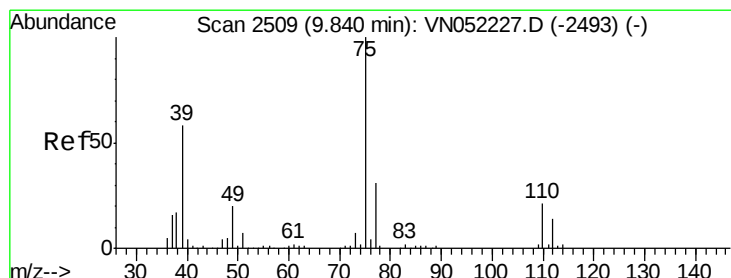
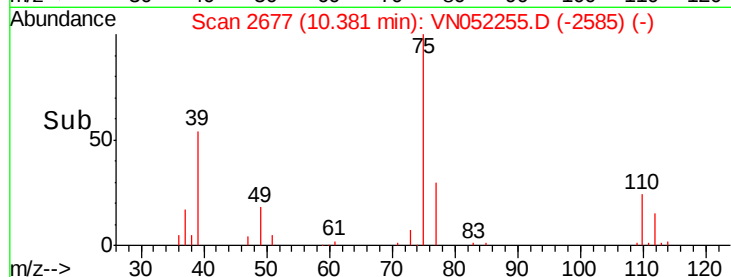
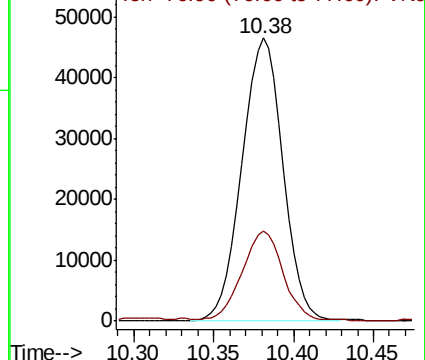
75 100

77 31.2 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.158 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

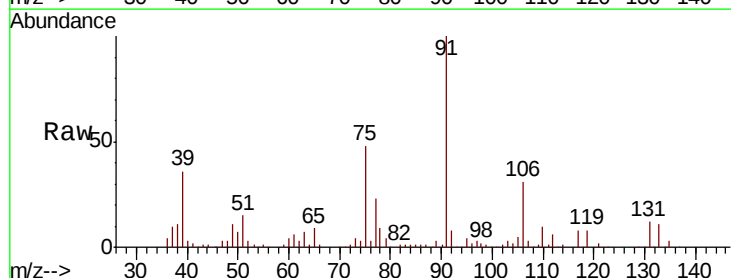
Tgt Ion: 75 Resp: 101477

Ion Ratio Lower Upper

75 100

77 48.2 25.2 37.8#

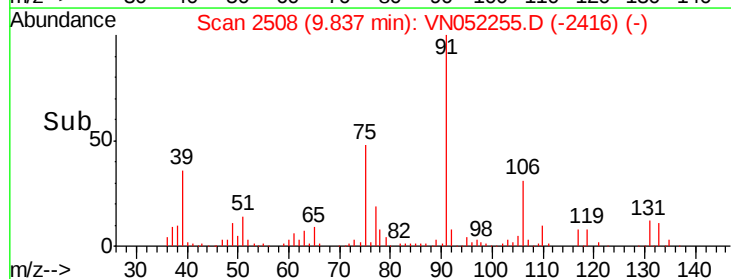
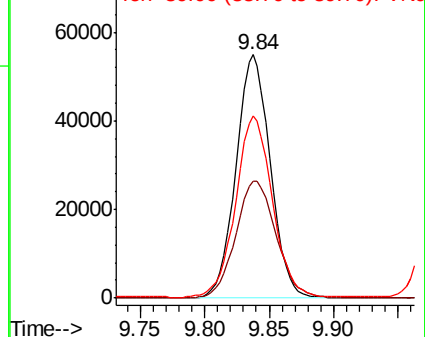
39 74.0 46.6 70.0#

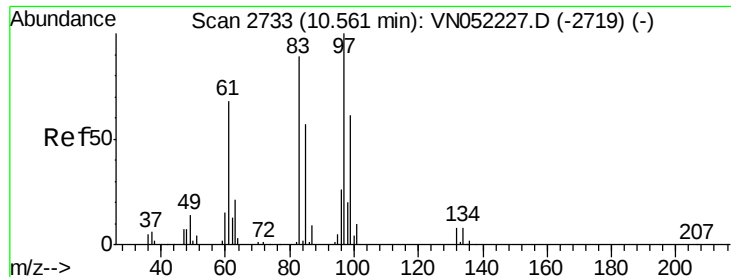


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

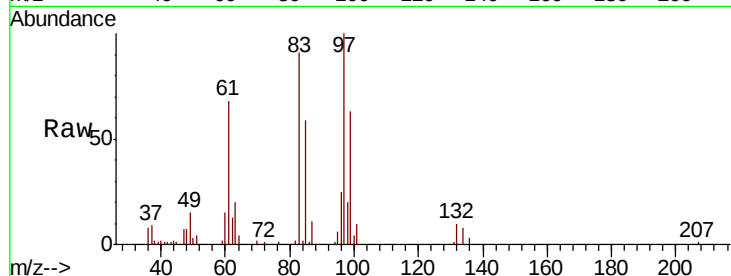




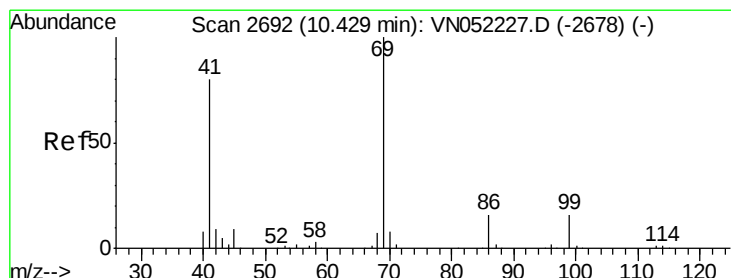
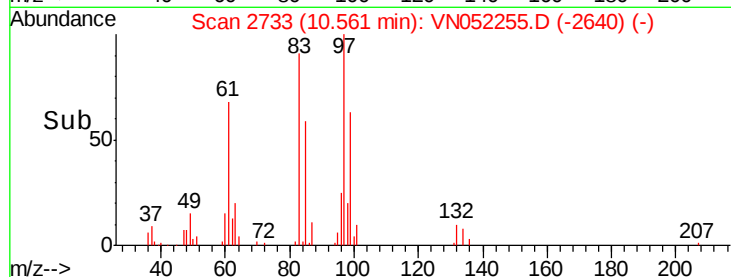
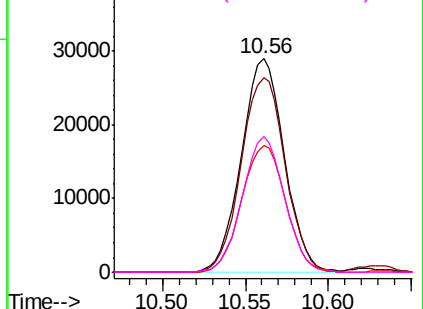
#55
1,1,2-Trichloroethane
Concen: 18.433 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion: 97 Resp: 52237
Ion Ratio Lower Upper
97 100
83 91.1 71.2 106.8
85 59.2 45.6 68.4
99 63.5 49.1 73.7

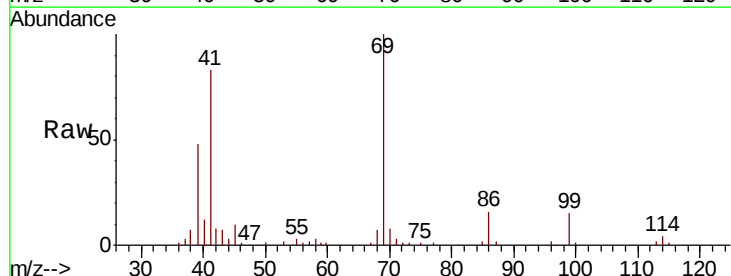


Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0

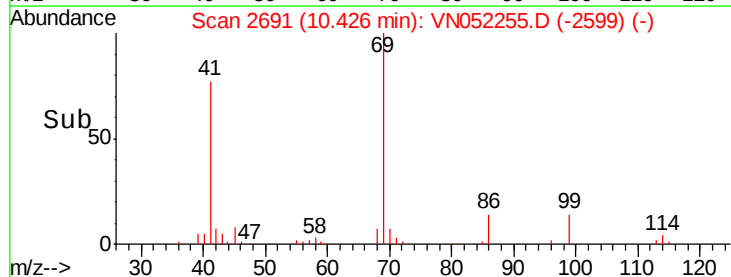
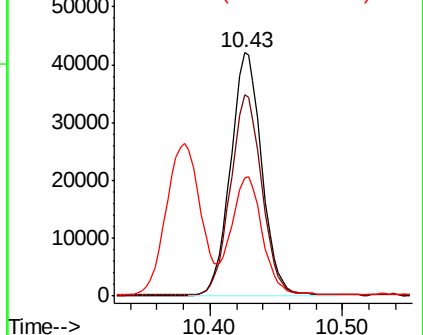


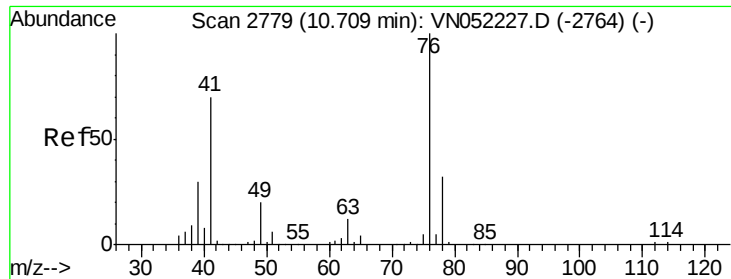
#56
Ethyl methacrylate
Concen: 18.076 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 69 Resp: 69232
Ion Ratio Lower Upper
69 100
41 81.4 64.0 96.0
39 46.8 37.8 56.8



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





#57

1,3-Dichloropropane

Concen: 18.975 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

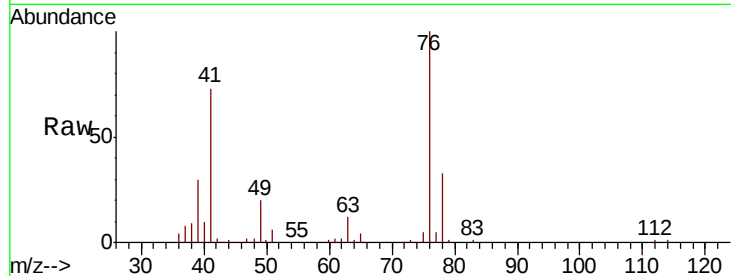
VN1112WBSD01

Tot Ion: 76 Resp: 96263

Ion Ratio Lower Upper

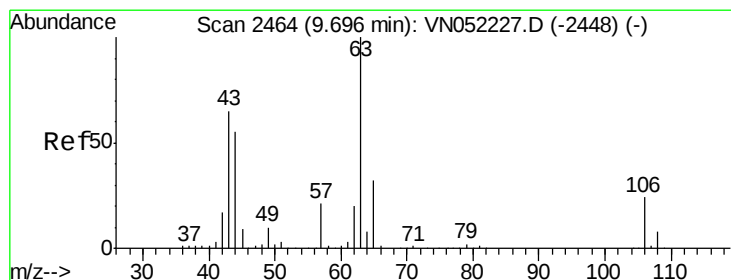
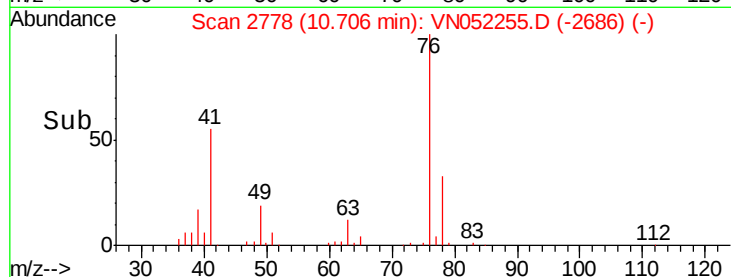
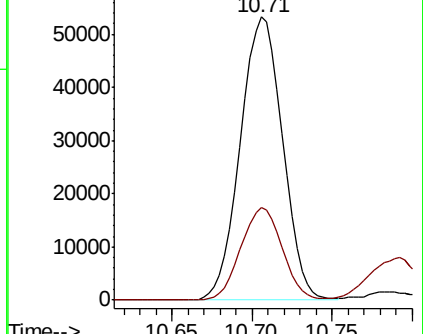
76 100

78 31.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 100.567 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052255.D

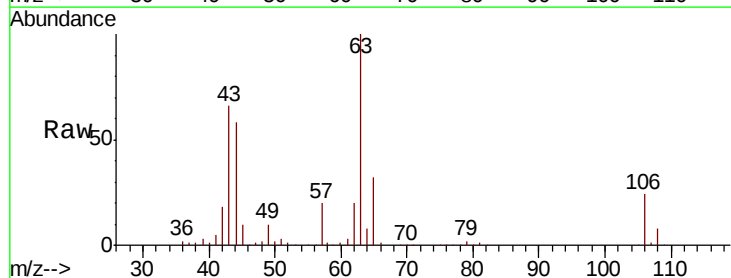
Acq: 12 Nov 2018 12:05

Tgt Ion: 63 Resp: 213282

Ion Ratio Lower Upper

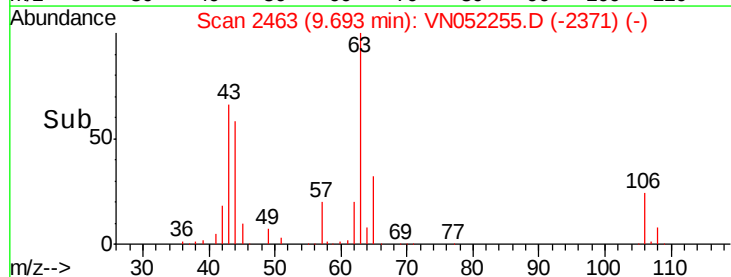
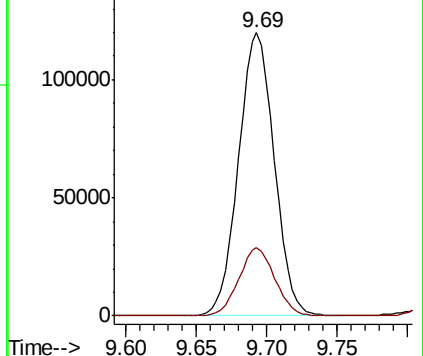
63 100

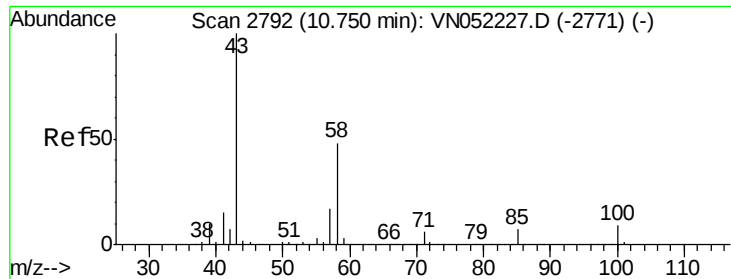
106 24.2 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 86.756 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampled :

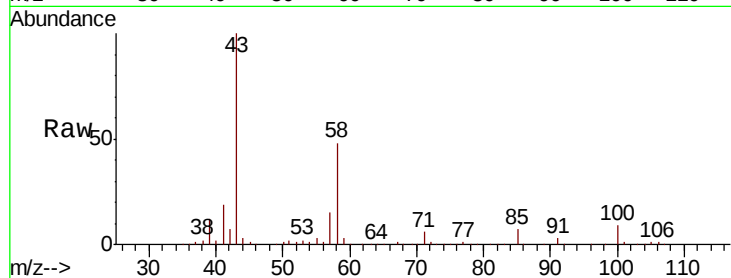
VN1112WBSD01

Tot Ion: 43 Resp: 200172

Ion Ratio Lower Upper

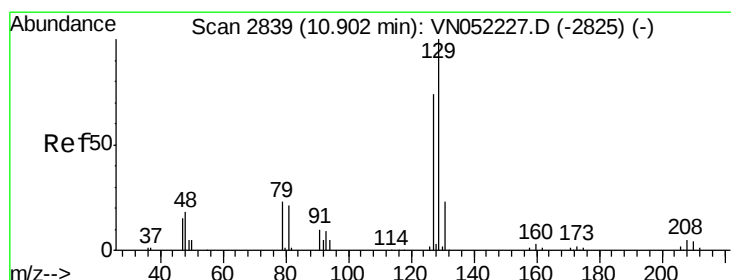
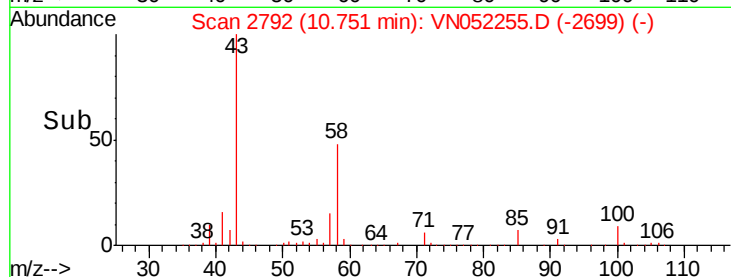
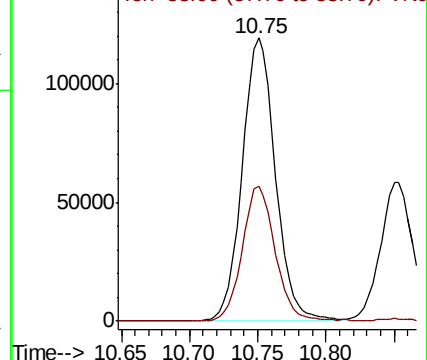
43 100

58 47.5 24.1 72.3



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D

Ion 58.00 (57.70 to 58.70): VN052227.D



#60

Dibromochloromethane

Concen: 19.162 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052255.D

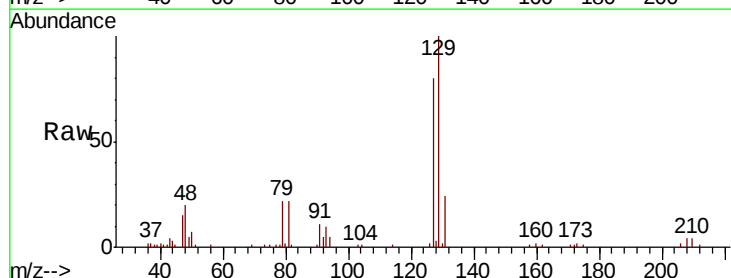
Acq: 12 Nov 2018 12:05

Tgt Ion: 129 Resp: 55082

Ion Ratio Lower Upper

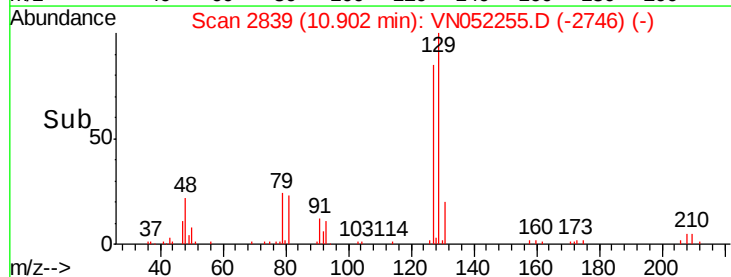
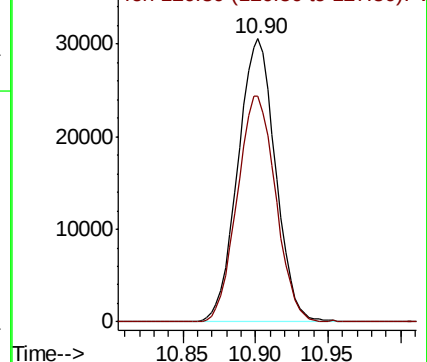
129 100

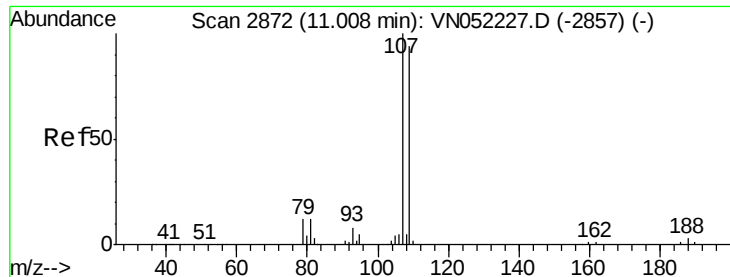
127 81.4 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): VN052227.D

Ion 126.80 (126.50 to 127.50): VN052227.D





#61

1,2-Dibromoethane

Concen: 18.906 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

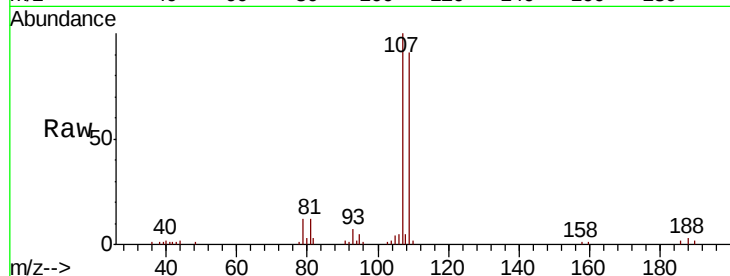
VN1112WBSD01

Tot Ion:107 Resp: 52658

Ion Ratio Lower Upper

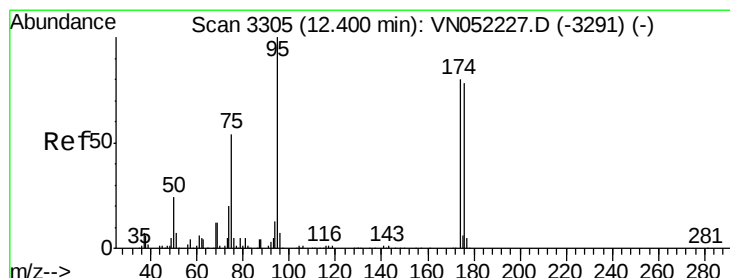
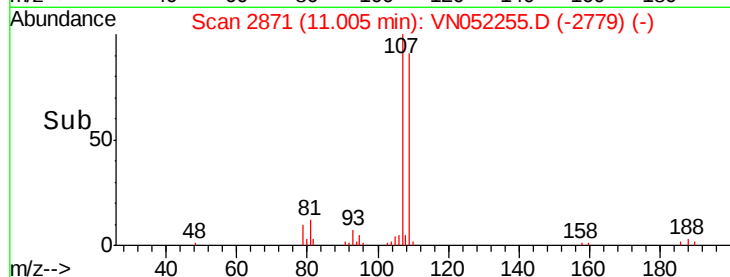
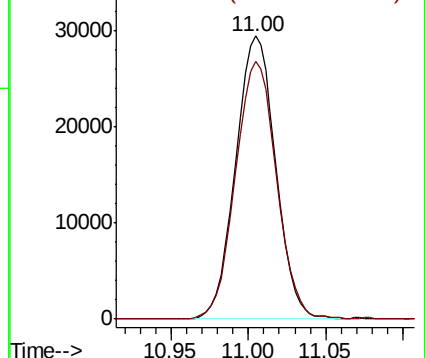
107 100

109 93.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.906 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

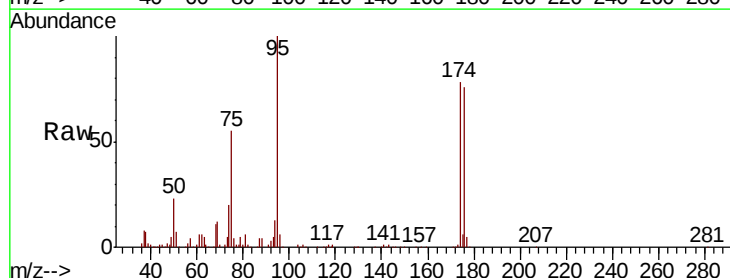
Tgt Ion: 95 Resp: 180186

Ion Ratio Lower Upper

95 100

174 77.4 0.0 159.4

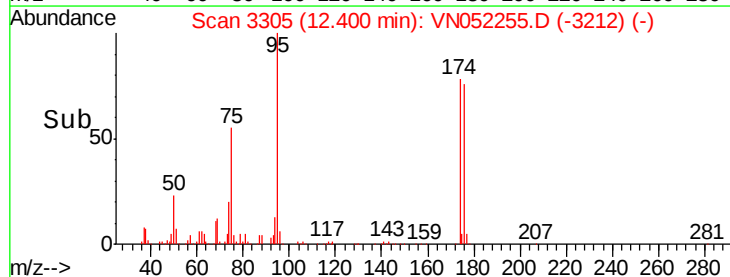
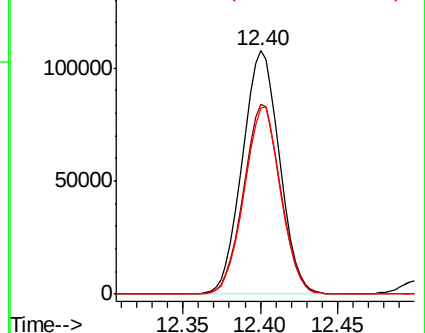
176 75.4 0.0 157.8

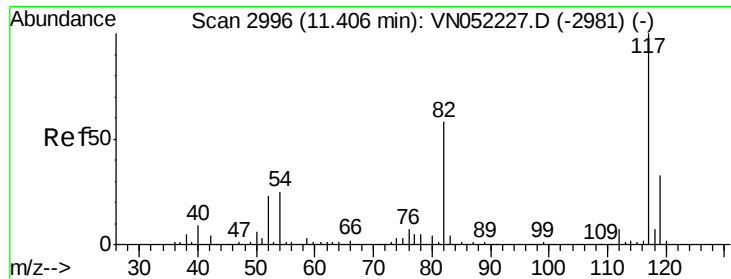


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

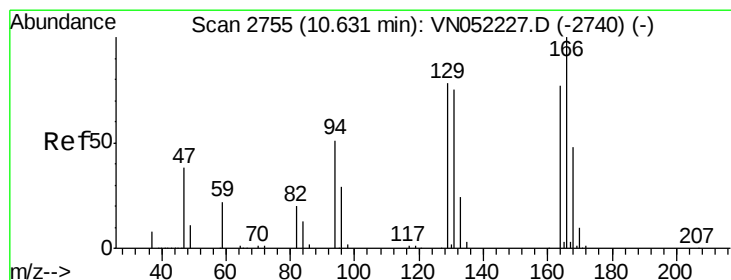
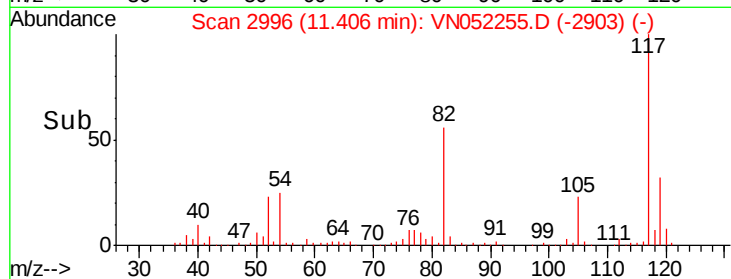
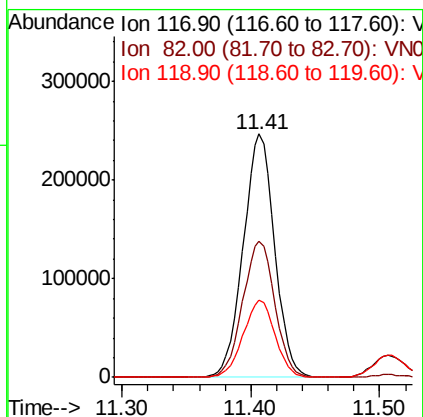
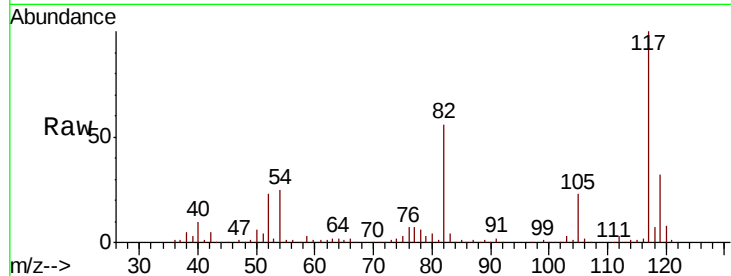




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

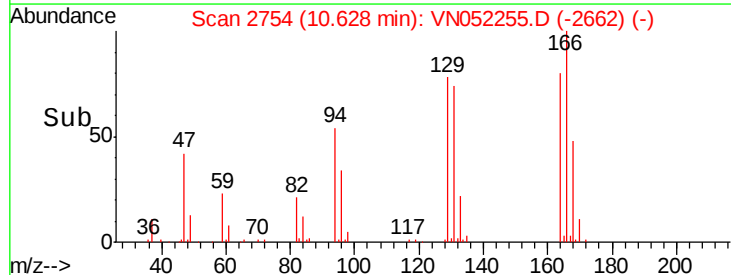
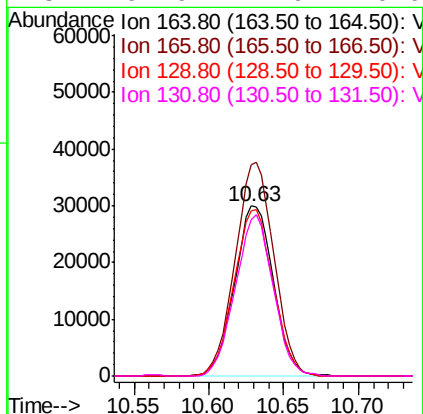
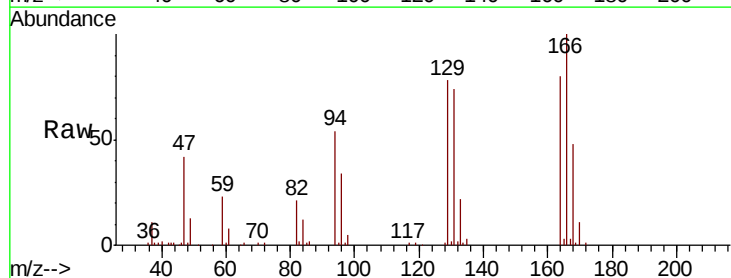
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

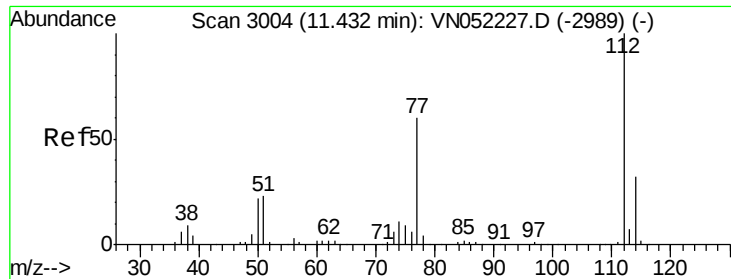
Tot Ion:117 Resp: 417788
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.2
119 31.6 26.2 39.4



#64
Tetrachloroethene
Concen: 18.595 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion:164 Resp: 54392
Ion Ratio Lower Upper
164 100
166 124.3 103.6 155.4
129 97.5 81.0 121.6
131 91.9 77.9 116.9

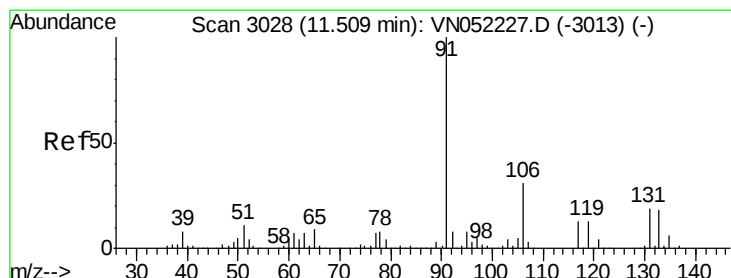
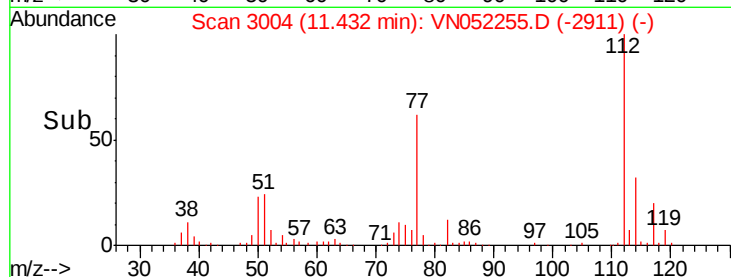
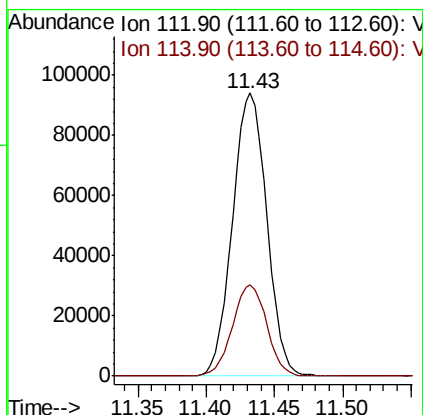
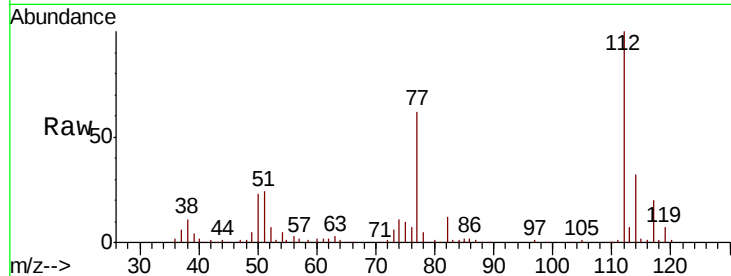




#65
Chlorobenzene
Concen: 18.562 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

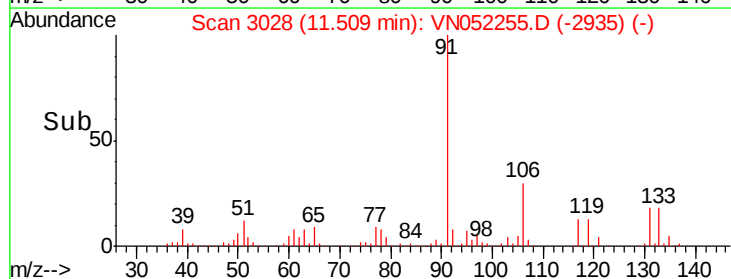
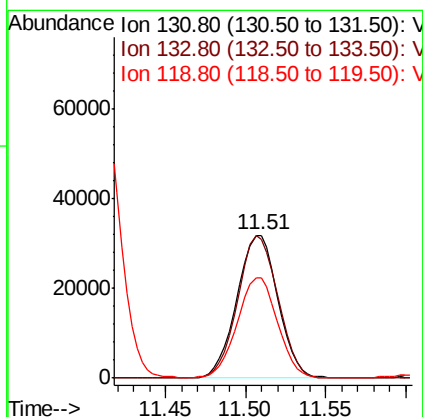
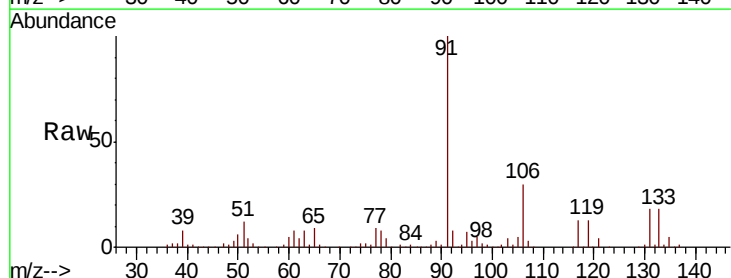
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

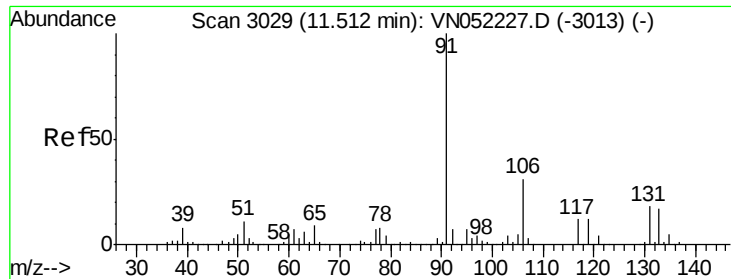
Tot Ion:112 Resp: 164320
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.563 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion:131 Resp: 55665
Ion Ratio Lower Upper
131 100
133 97.5 48.3 144.9
119 69.0 34.6 103.9

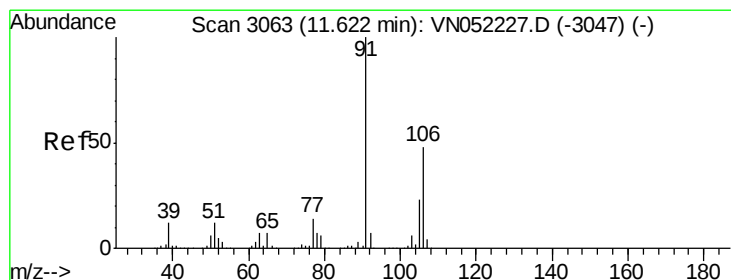
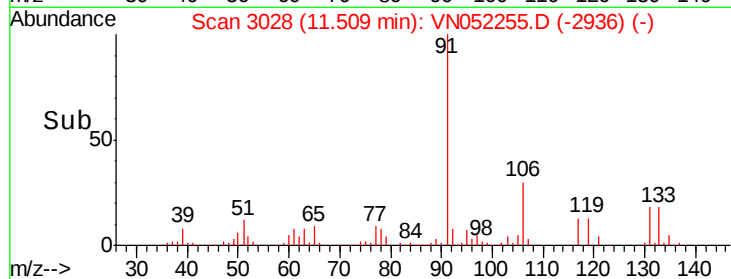
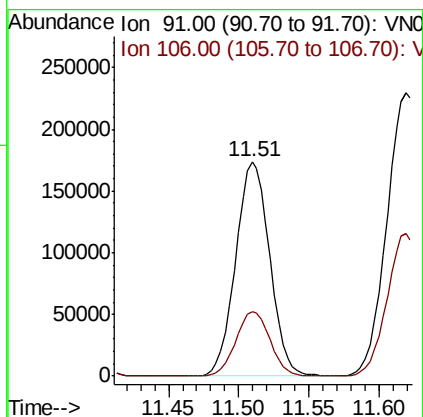
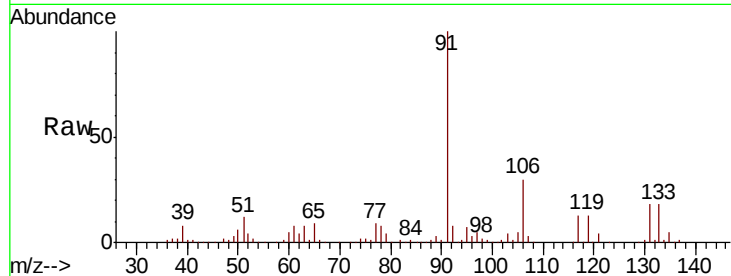




#67
Ethyl Benzene
Concen: 18.910 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

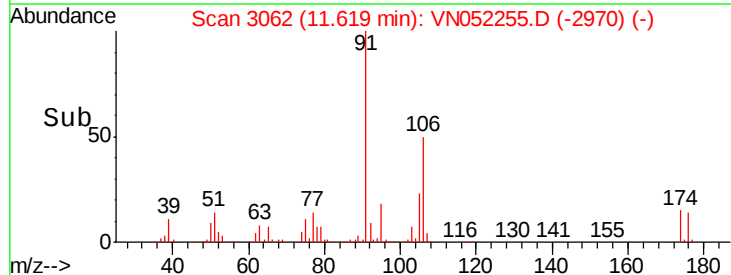
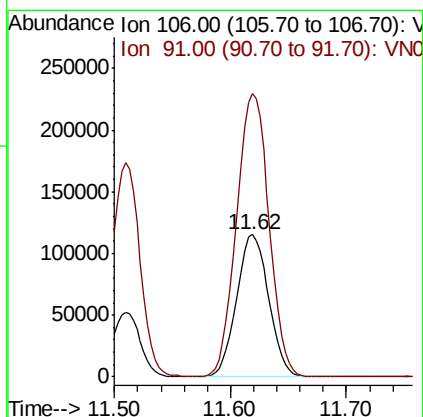
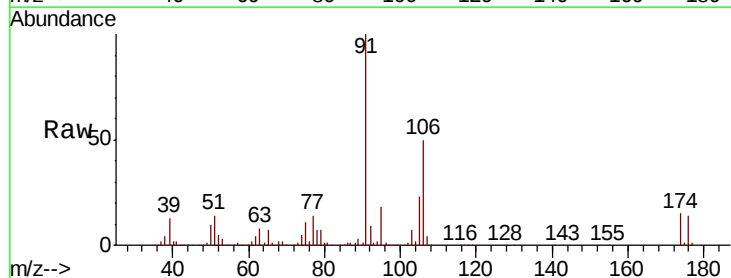
Instrument :
MSVOA_N
ClientSampled :
VN1112WBSD01

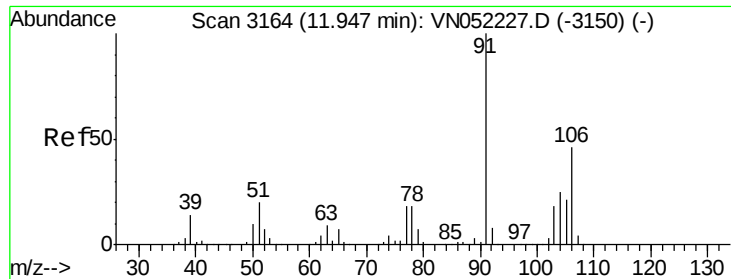
Tot Ion: 91 Resp: 294452
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1



#68
m/p-Xylenes
Concen: 38.079 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 106 Resp: 220816
Ion Ratio Lower Upper
106 100
91 201.7 165.7 248.5

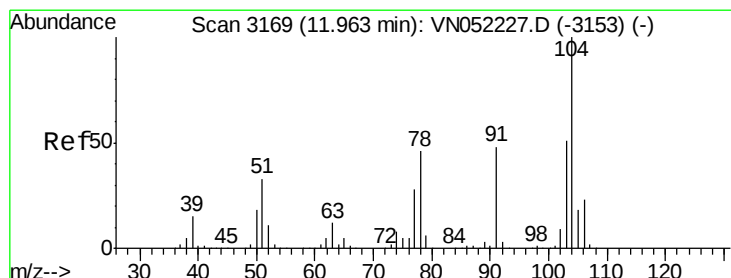
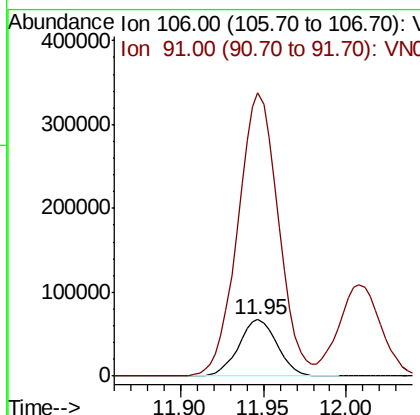
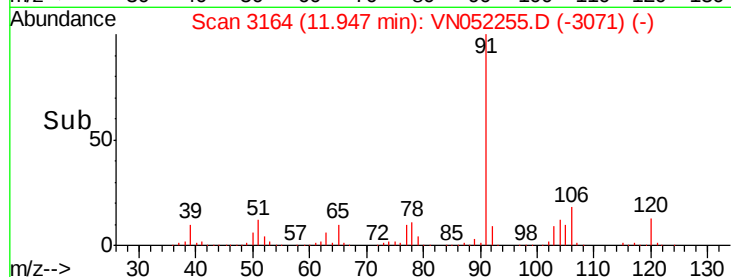
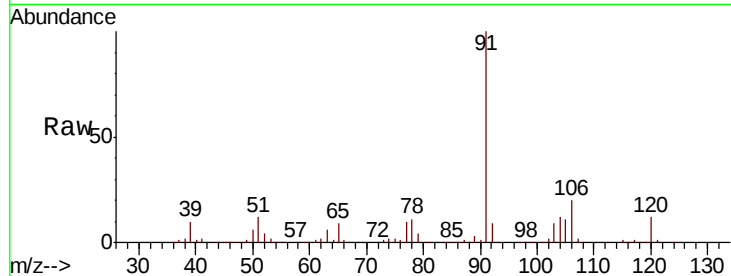




#69
o-Xylene
Concen: 19.610 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

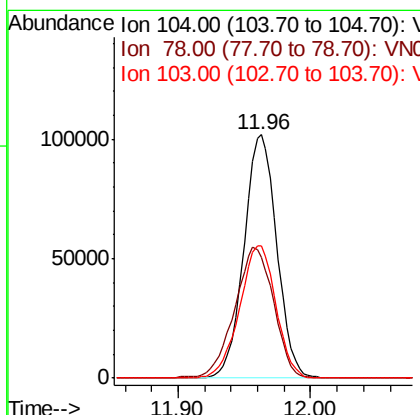
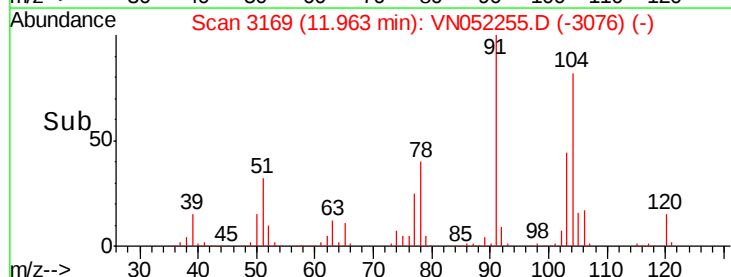
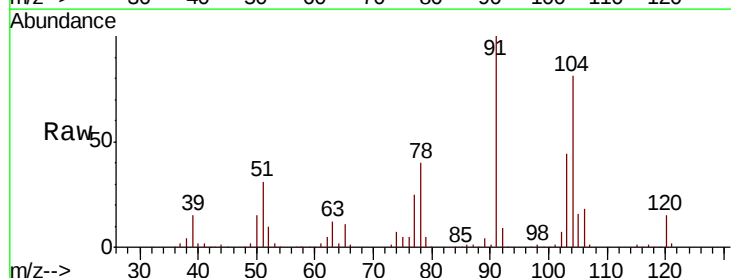
Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

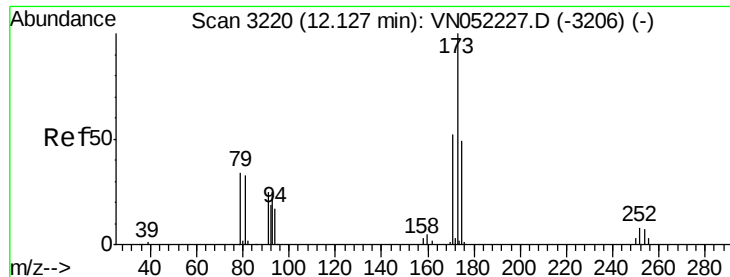
Tot Ion:106 Resp: 108641
Ion Ratio Lower Upper
106 100
91 529.7 108.5 325.5#



#70
Styrene
Concen: 19.532 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion:104 Resp: 174825
Ion Ratio Lower Upper
104 100
78 64.1 41.8 62.6#
103 60.3 44.9 67.3





#71

Bromoform

Concen: 18.753 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

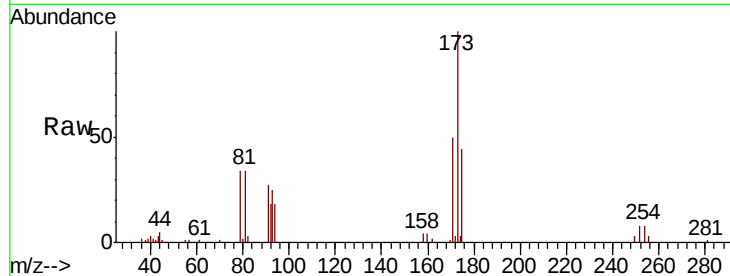
Tot Ion:173 Resp: 33547

Ion Ratio Lower Upper

173 100

175 47.4 24.5 73.5

254 0.0 0.0 0.0

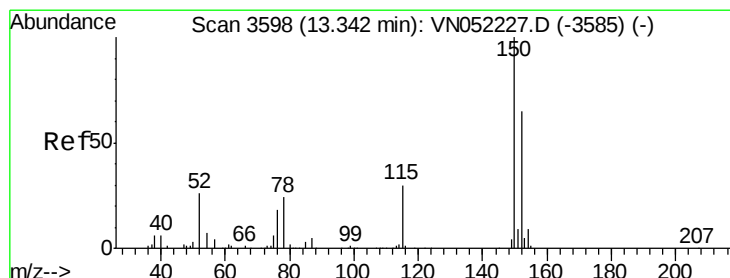
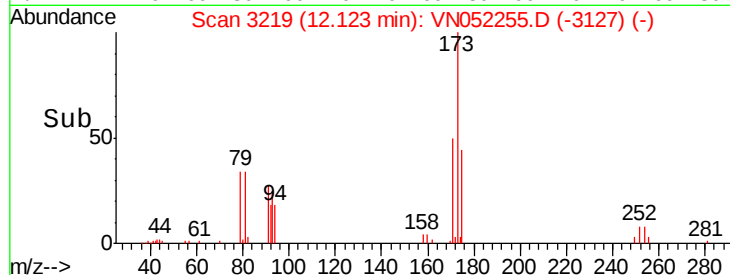
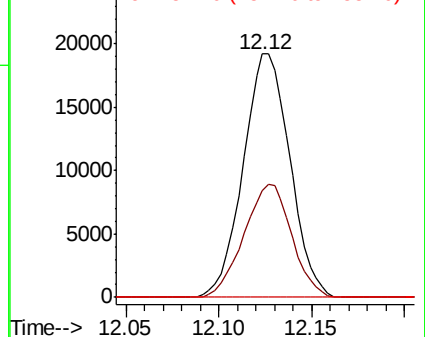


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

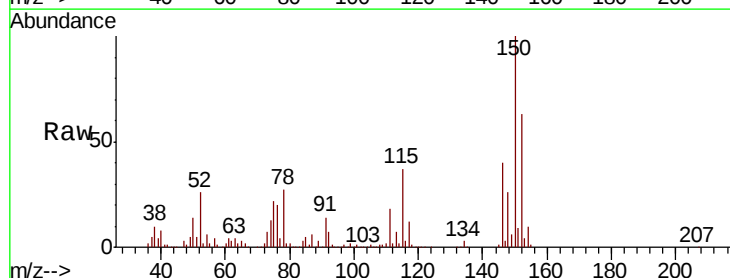
Tgt Ion:152 Resp: 181192

Ion Ratio Lower Upper

152 100

115 61.9 29.8 89.5

150 169.2 0.0 350.2

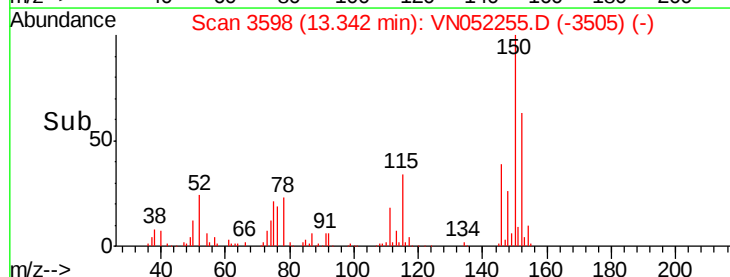
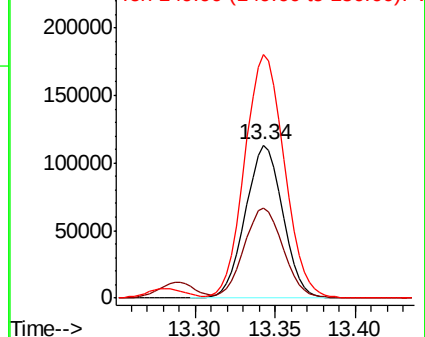


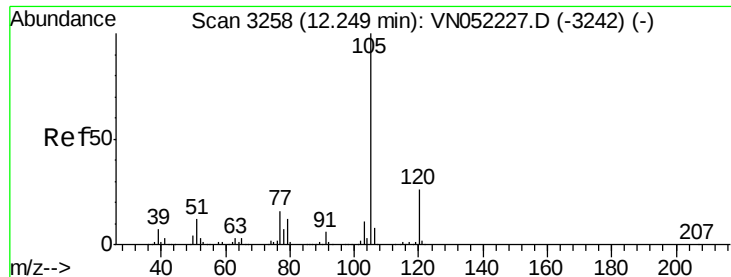
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.174 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

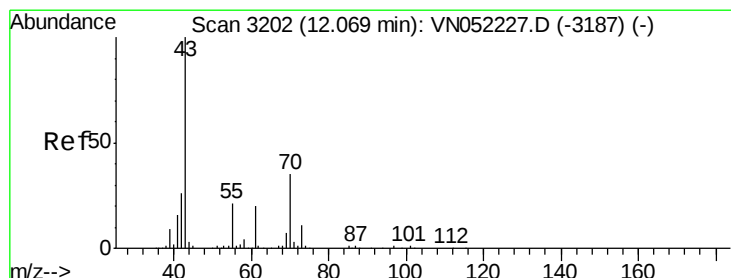
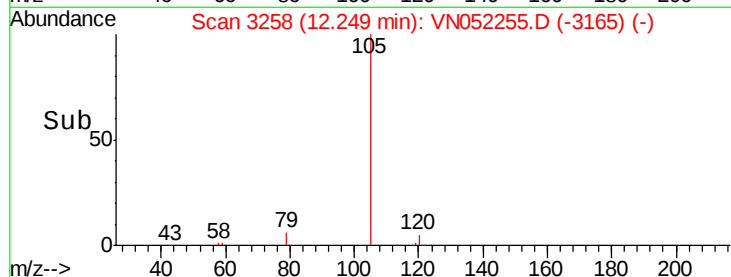
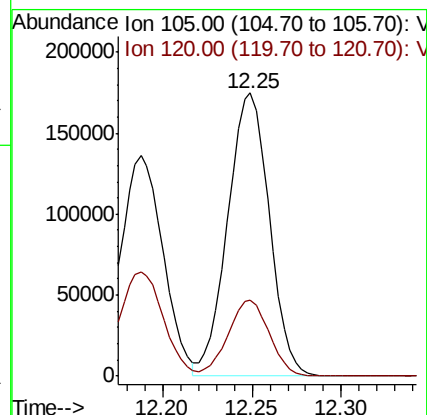
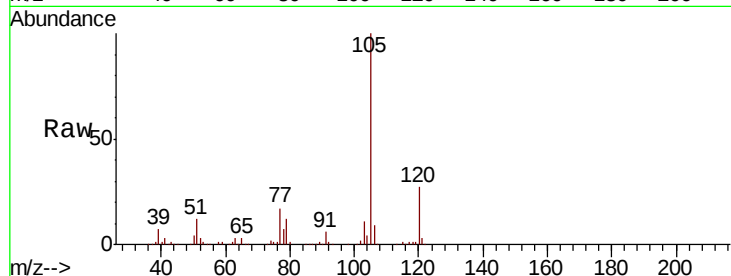
VN1112WBSD01

Tot Ion:105 Resp: 284007

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.1



#74

N-ethyl acetate

Concen: 18.036 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Tgt Ion: 43 Resp: 96987

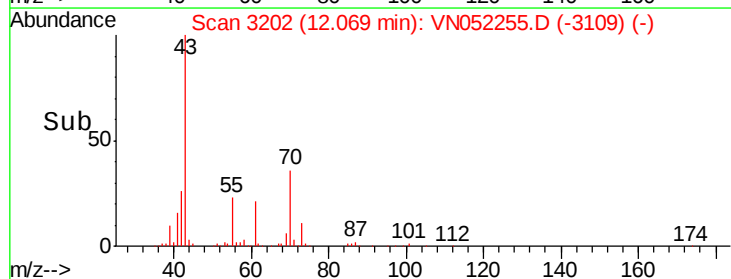
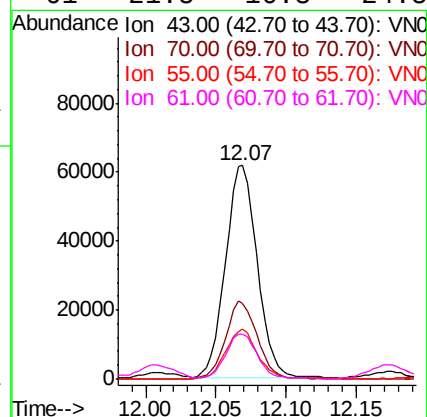
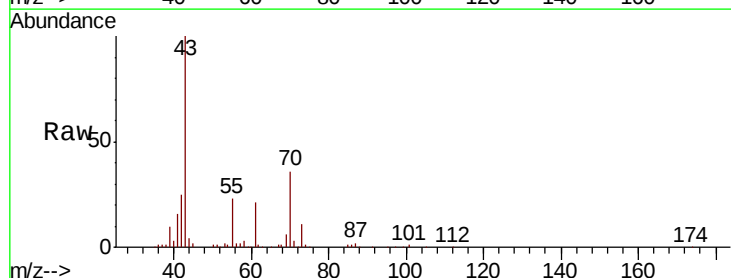
Ion Ratio Lower Upper

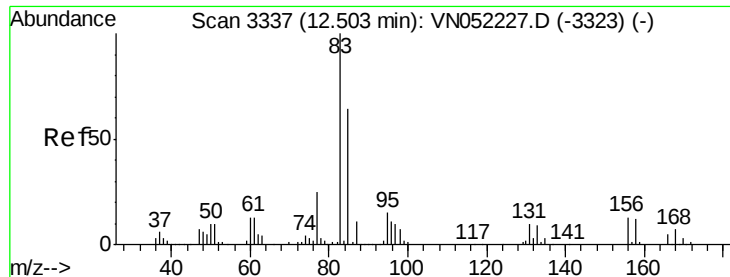
43 100

70 36.2 28.2 42.2

55 23.1 17.4 26.2

61 21.5 16.3 24.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.909 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

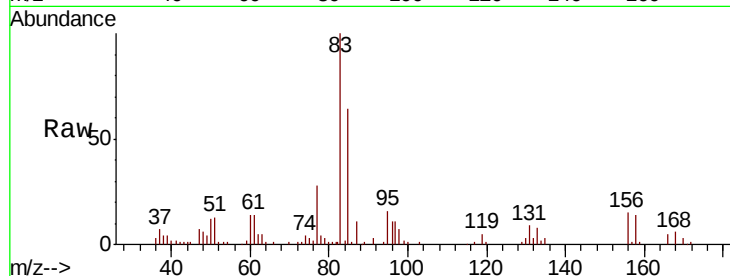
Tot Ion: 83 Resp: 65029

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 64.0 32.4 97.2



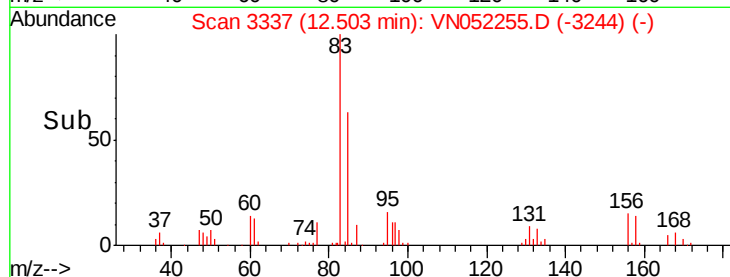
Abundance Ion 82.90 (82.60 to 83.60): VN052227.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052227.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052227.D (-3323) (-)

12.50

Time-->



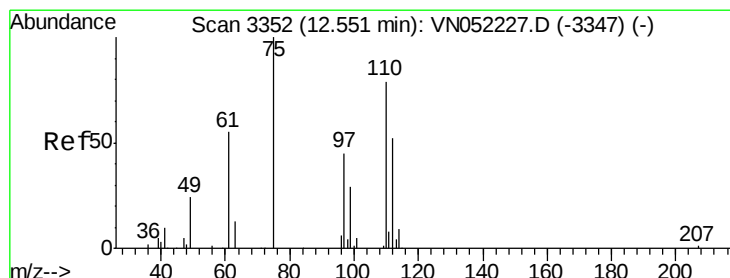
Abundance Ion 82.90 (82.60 to 83.60): VN052255.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN052255.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN052255.D (-3244) (-)

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.549 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052255.D

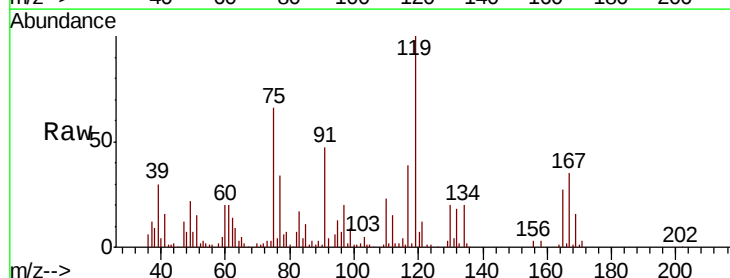
Acq: 12 Nov 2018 12:05

Tgt Ion: 75 Resp: 85110

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

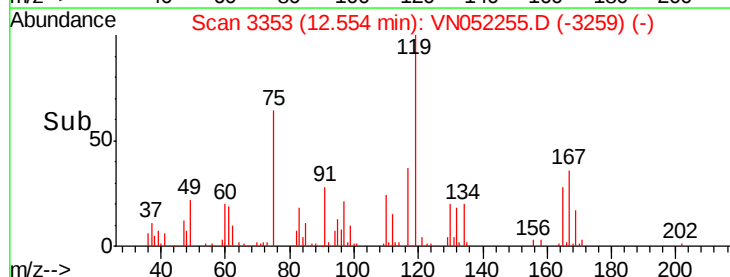


Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052227.D (-3347) (-)

12.55

Time-->

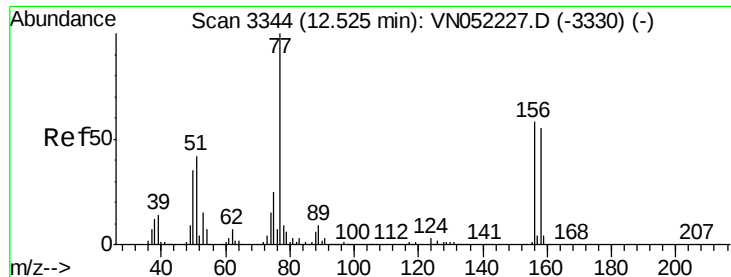


Abundance Ion 74.90 (74.60 to 75.60): VN052255.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN052255.D (-3259) (-)

12.55

Time-->



#77

Bromobenzene

Concen: 18.654 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

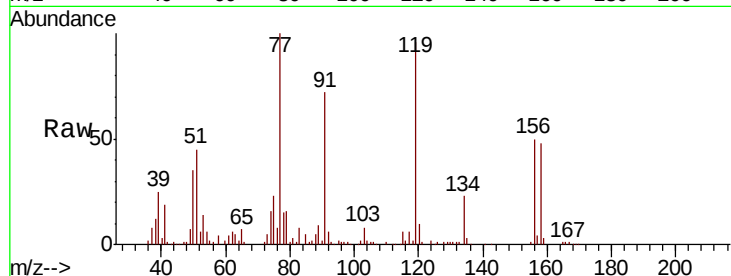
Tot Ion:156 Resp: 64674

Ion Ratio Lower Upper

156 100

77 244.8 101.1 303.3

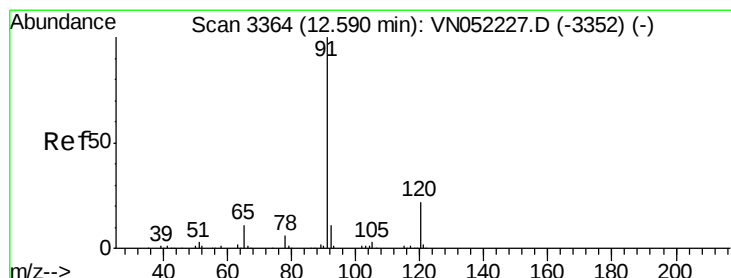
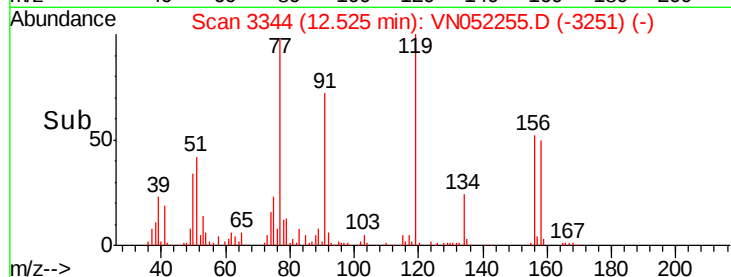
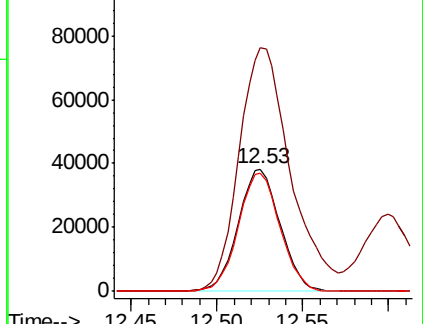
158 96.3 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 8.043 ug/l

RT: 12.54 min Scan# 3347

Delta R.T. -0.05 min

Lab File: VN052255.D

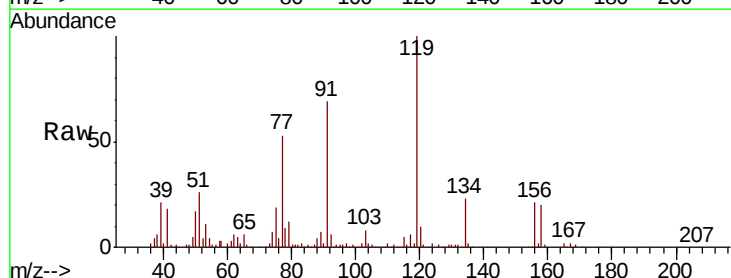
Acq: 12 Nov 2018 12:05

Tgt Ion: 91 Resp: 139531

Ion Ratio Lower Upper

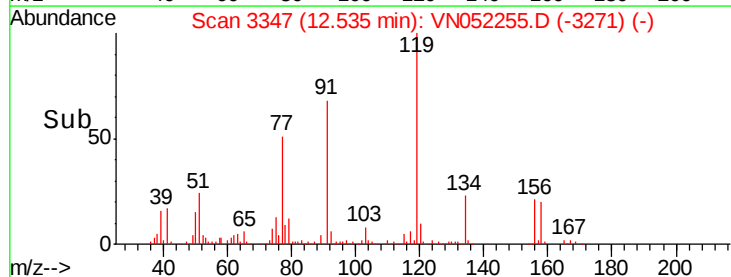
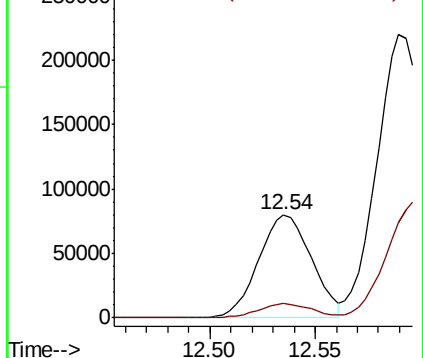
91 100

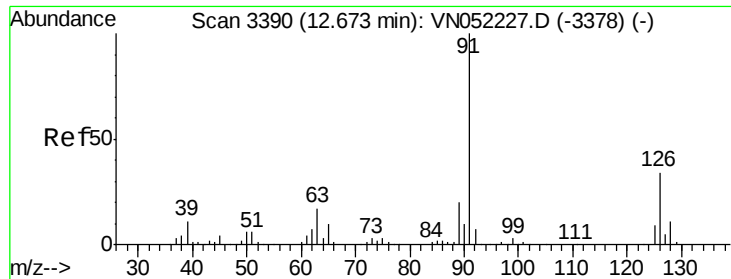
120 14.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

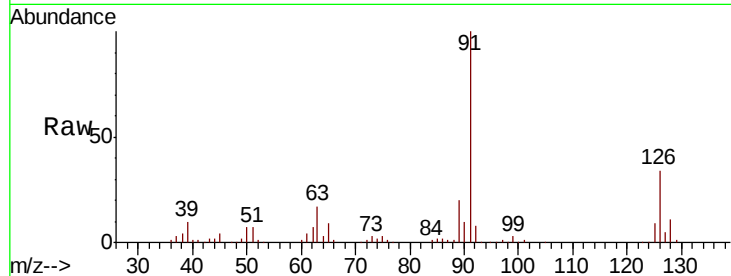




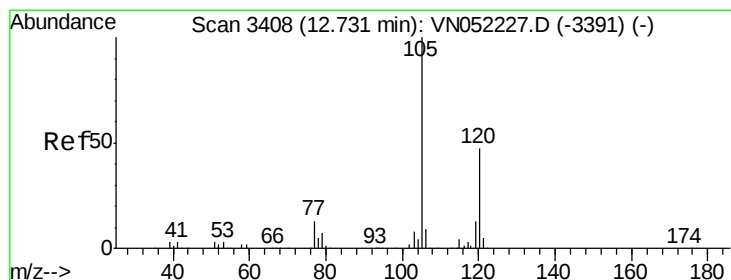
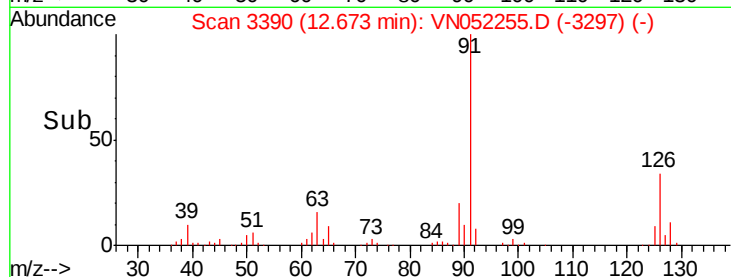
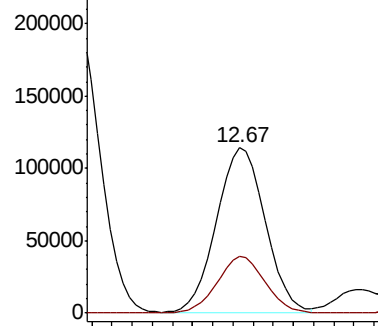
#79
 2-Chlorotoluene
 Concen: 19.344 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion: 91 Resp: 194400
 Ion Ratio Lower Upper
 91 100
 126 33.4 17.0 51.0

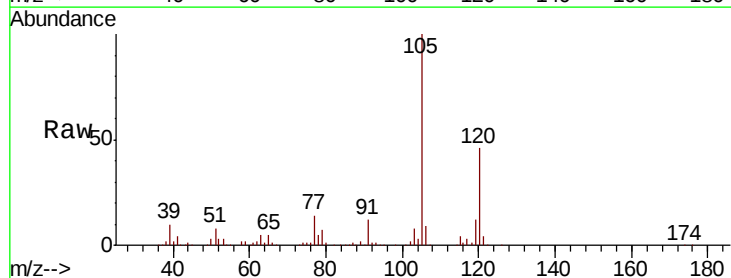


Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 125.90 (125.60 to 126.60): V

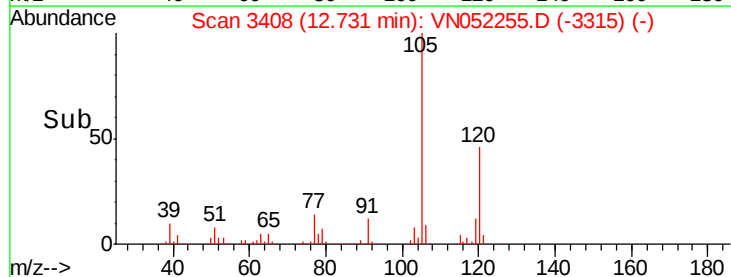
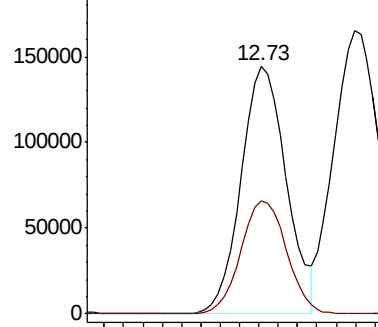


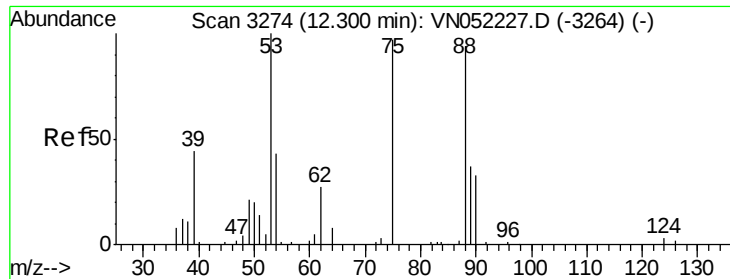
#80
 1,3,5-Trimethylbenzene
 Concen: 19.951 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Tgt Ion:105 Resp: 235013
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.9 71.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.662 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

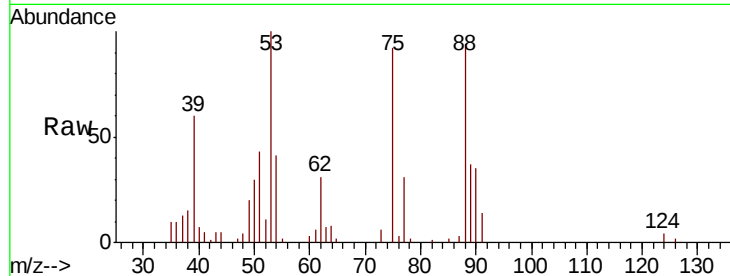
Tot Ion: 75 Resp: 17527

Ion Ratio Lower Upper

75 100

53 110.3 84.0 126.0

89 41.2 33.7 50.5

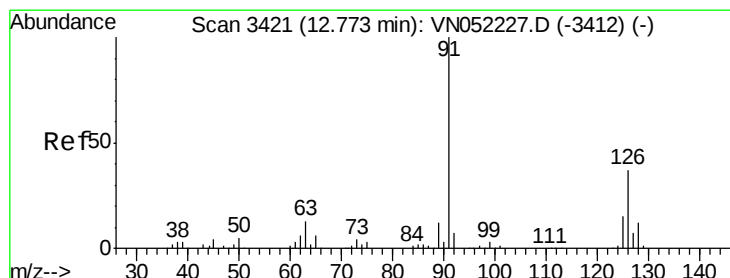
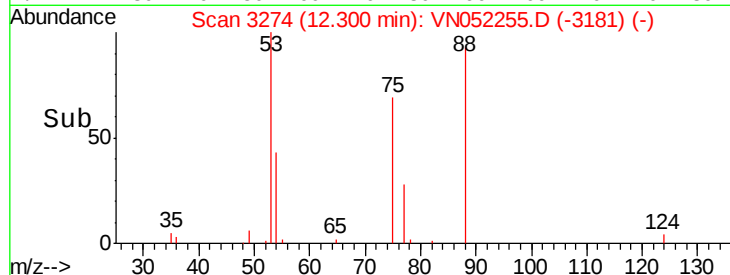


Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052227.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052227.D (-3264) (-)

Time-->



#82

4-Chlorotoluene

Concen: 23.760 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052255.D

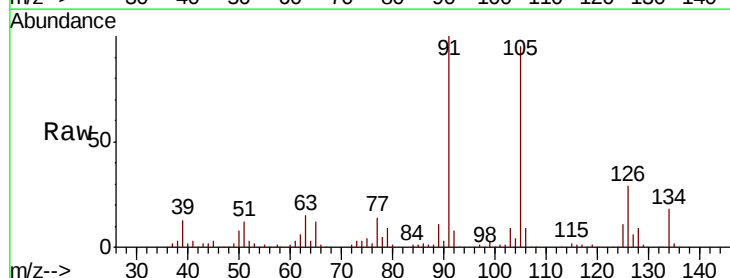
Acq: 12 Nov 2018 12:05

Tgt Ion: 91 Resp: 239595

Ion Ratio Lower Upper

91 100

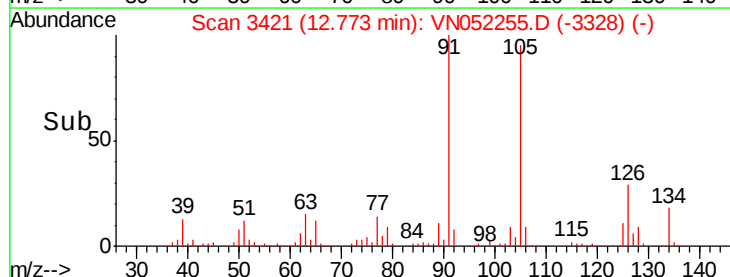
126 26.6 16.9 50.7

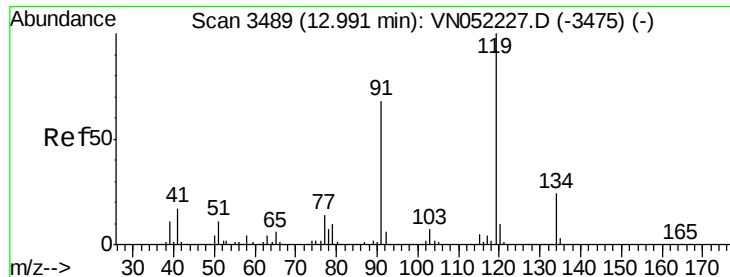


Abundance Ion 91.00 (90.70 to 91.70): VN052227.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052227.D (-3412) (-)

Time-->





#83

tert-Butylbenzene

Concen: 19.324 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

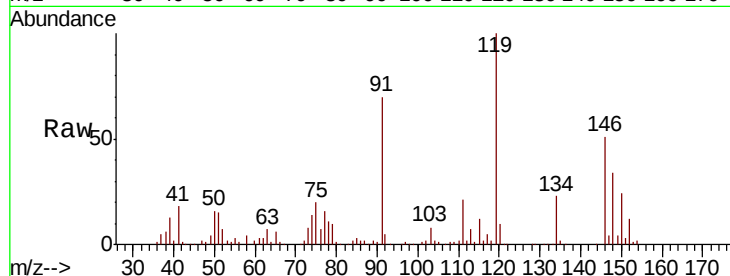
Tot Ion:119 Resp: 198727

Ion Ratio Lower Upper

119 100

91 69.6 33.5 100.4

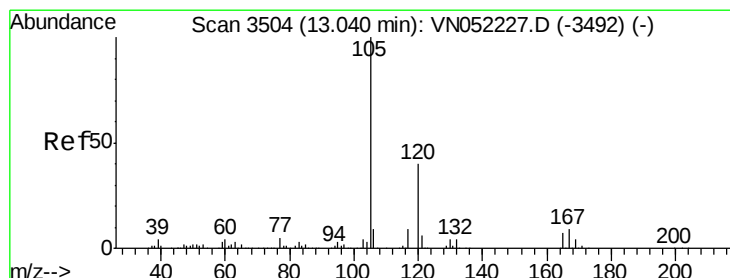
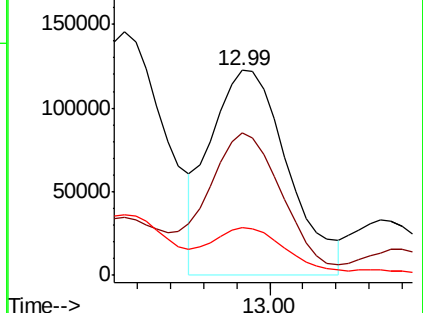
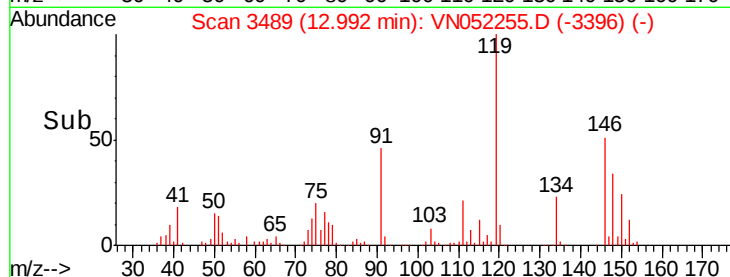
134 20.1 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.535 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN052255.D

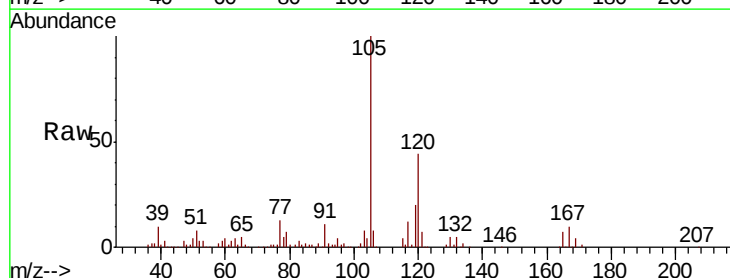
Acq: 12 Nov 2018 12:05

Tgt Ion:105 Resp: 232018

Ion Ratio Lower Upper

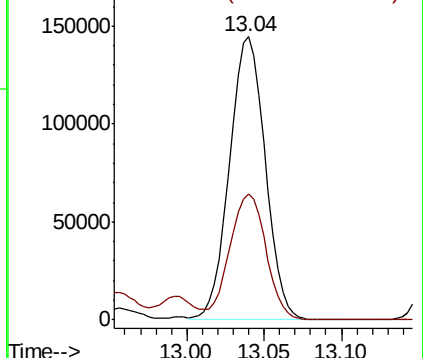
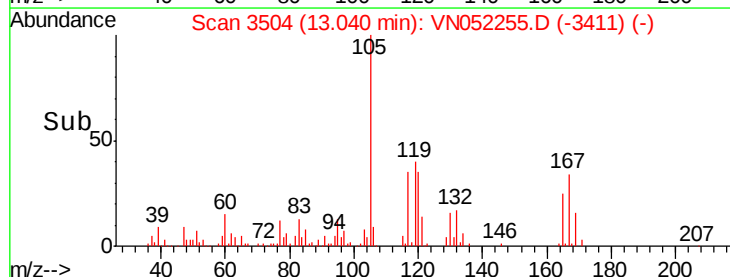
105 100

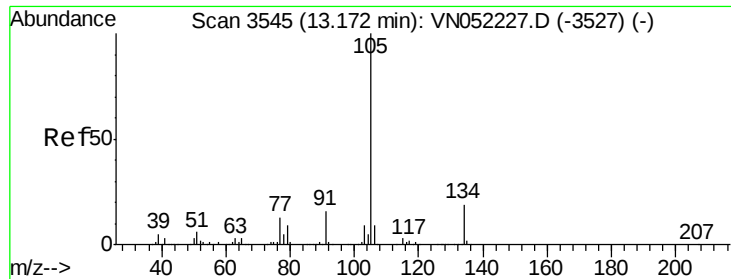
120 45.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.456 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

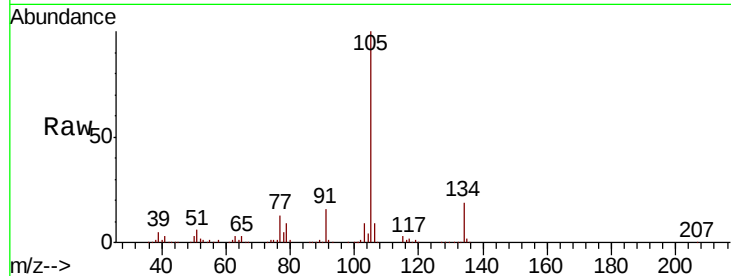
VN1112WBSD01

Tot Ion:105 Resp: 274382

Ion Ratio Lower Upper

105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

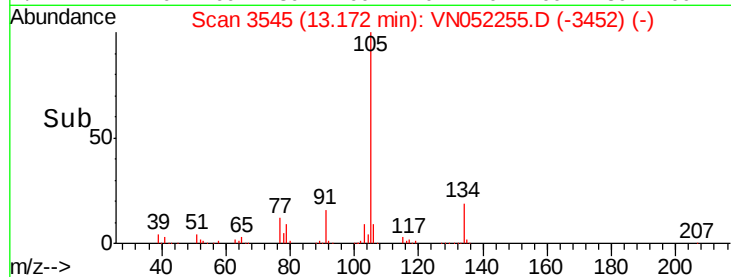
150000

100000

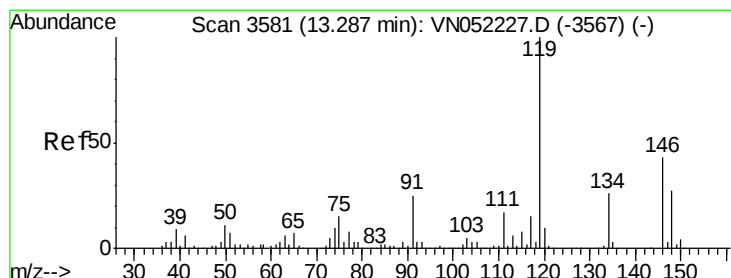
50000

0

13.10 13.15 13.20 13.25



Time-->



#86

p-Isopropyltoluene

Concen: 19.783 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

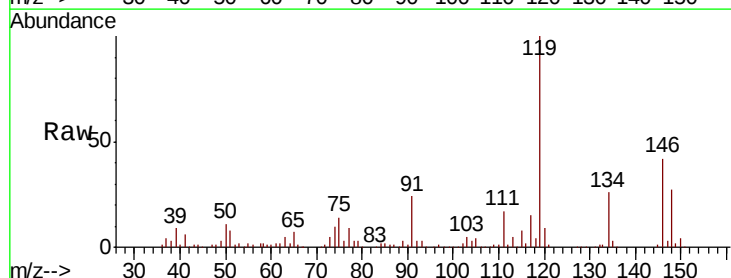
Tgt Ion:119 Resp: 233402

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.6

91 23.8 12.4 37.0



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

200000

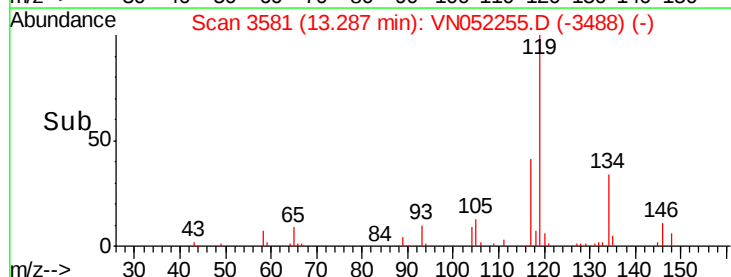
150000

100000

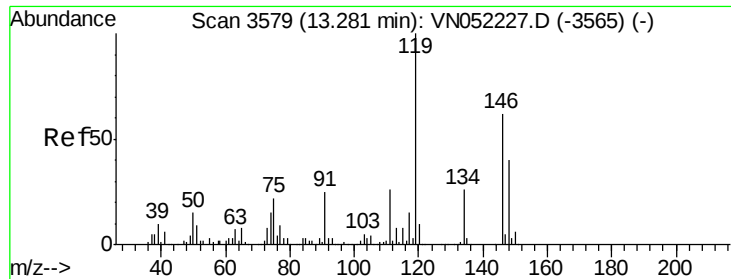
50000

0

13.25 13.30 13.35



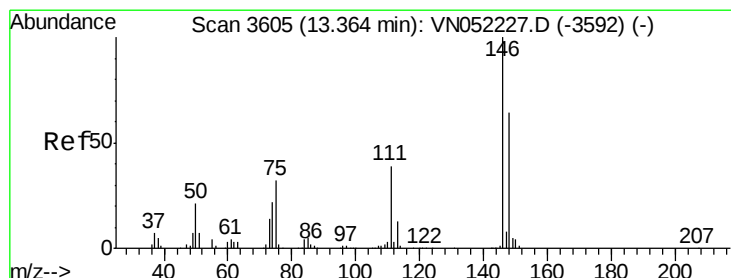
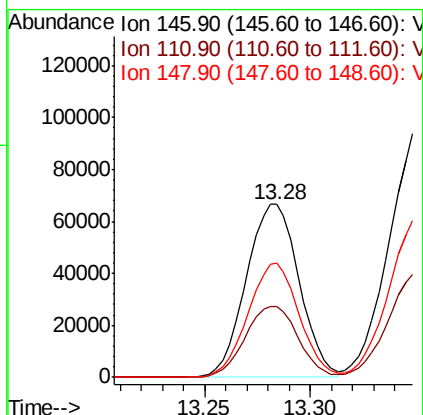
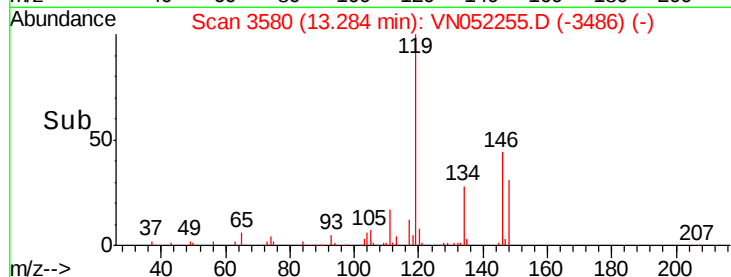
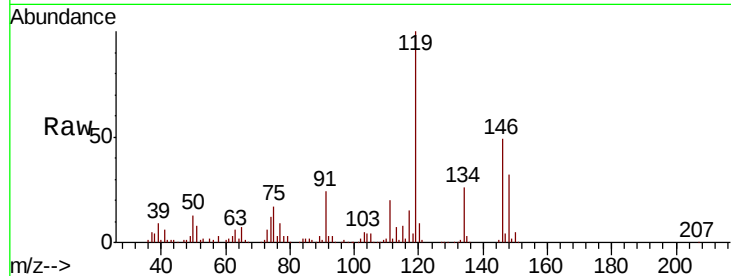
Time-->



#87
 1,3-Dichlorobenzene
 Concen: 19.233 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

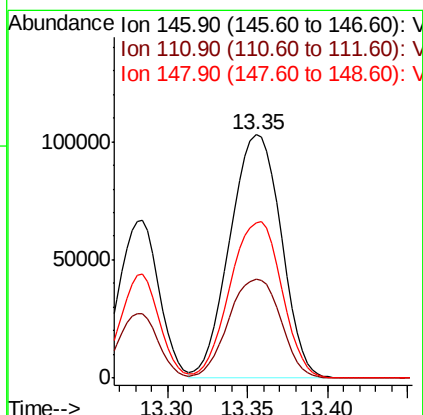
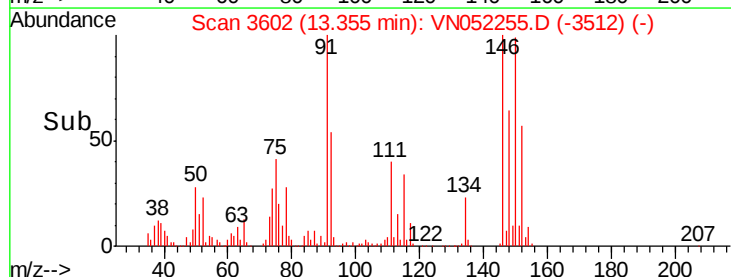
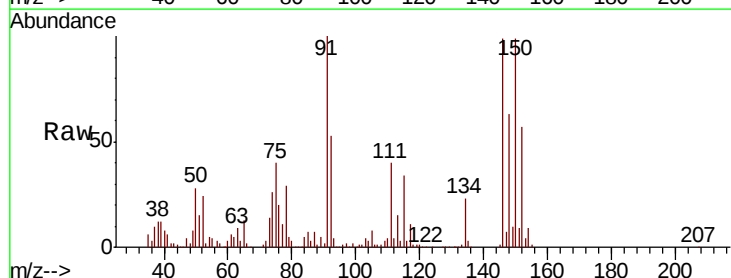
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

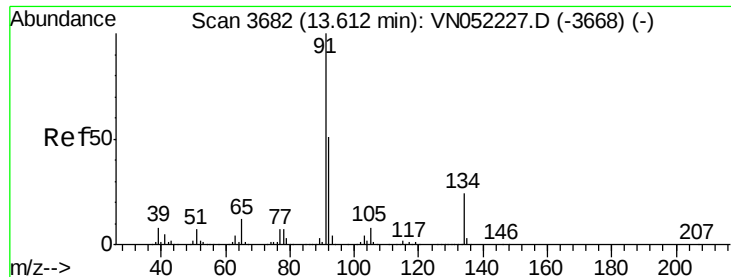
Tot Ion:146 Resp: 116084
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.1 60.3
 148 63.7 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 37.268 ug/l
 RT: 13.35 min Scan# 3602
 Delta R.T. -0.01 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Tgt Ion:146 Resp: 225185
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.2 60.6
 148 65.2 32.1 96.3

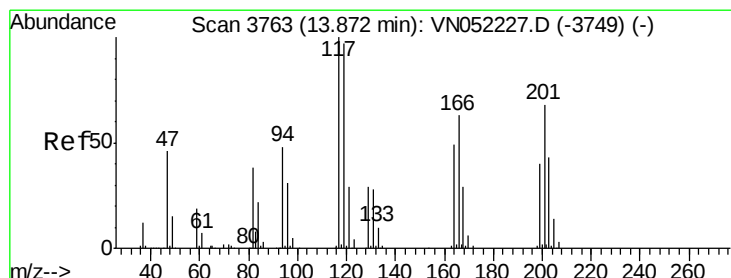
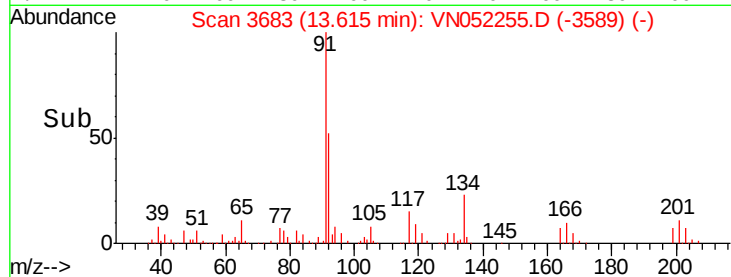
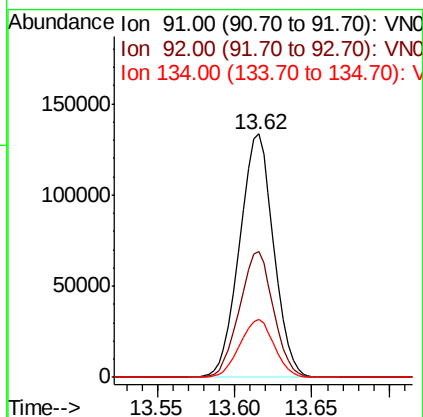
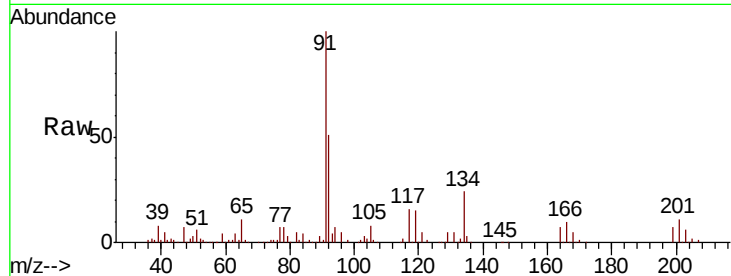




#89
n-Butylbenzene
Concen: 19.457 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

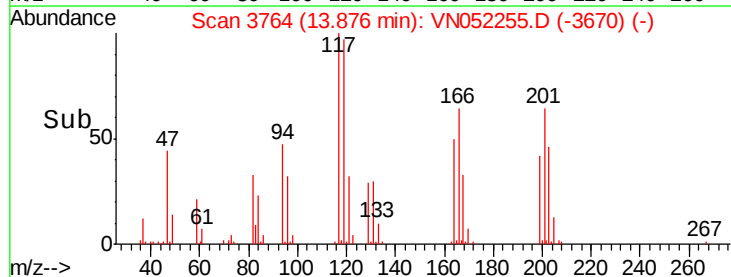
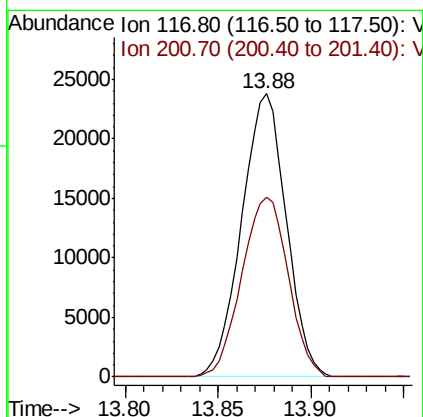
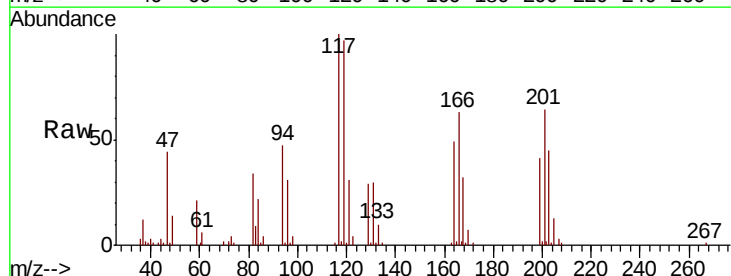
Instrument :
MSVOA_N
ClientSampled :
VN1112WBSD01

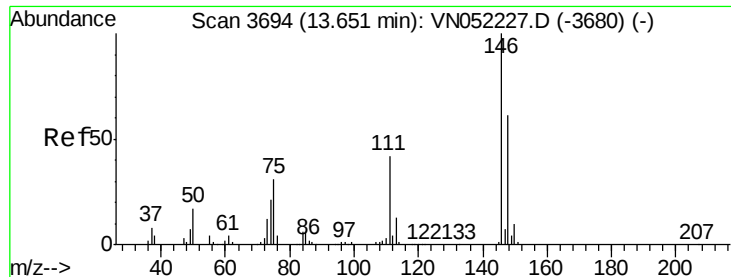
Tot Ion: 91 Resp: 204413
Ion Ratio Lower Upper
91 100
92 51.5 25.1 75.3
134 24.0 12.0 36.1



#90
Hexachloroethane
Concen: 19.226 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion: 117 Resp: 39814
Ion Ratio Lower Upper
117 100
201 66.0 34.6 103.9





#91

1,2-Dichlorobenzene

Concen: 18.811 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1112WBSD01

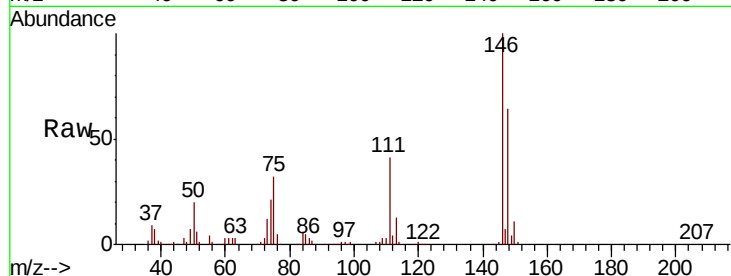
Tot Ion:146 Resp: 110801

Ion Ratio Lower Upper

146 100

111 42.0 21.1 63.3

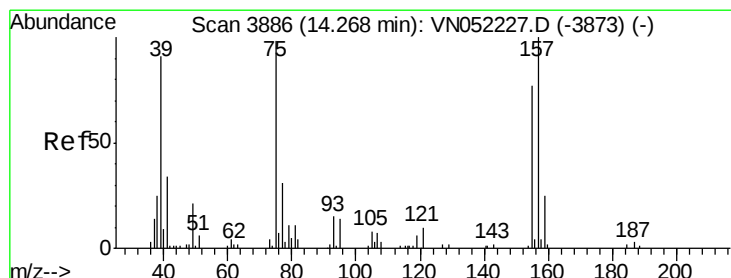
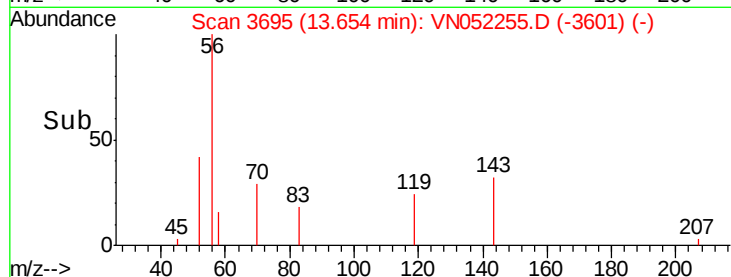
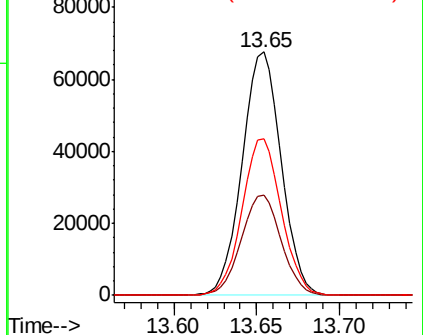
148 64.7 31.3 93.8



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: 18.281 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052255.D

Acq: 12 Nov 2018 12:05

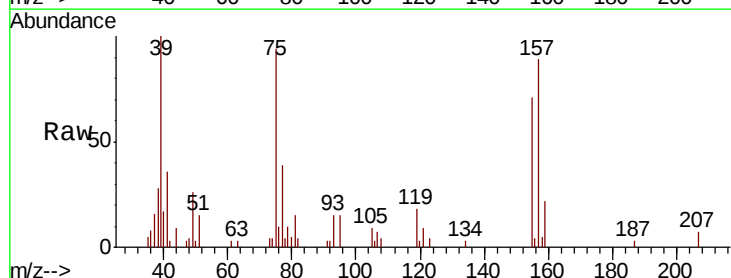
Tgt Ion: 75 Resp: 9437

Ion Ratio Lower Upper

75 100

155 78.3 40.2 120.5

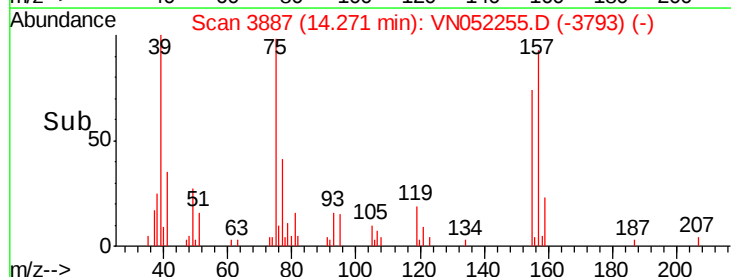
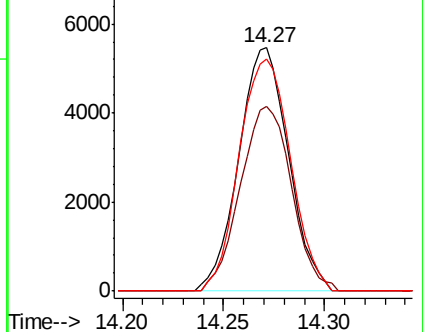
157 98.5 51.7 155.2

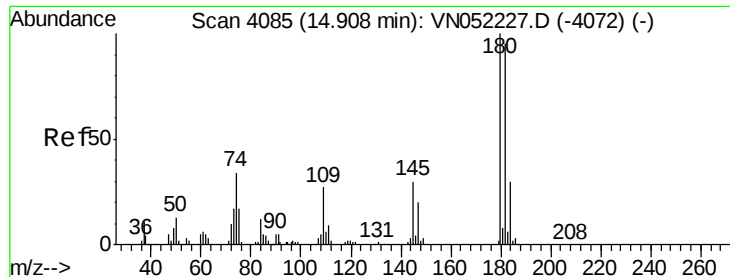


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

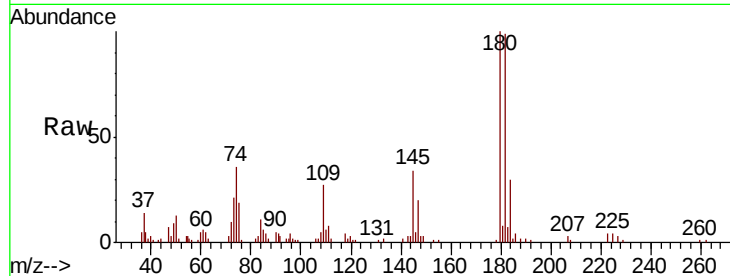




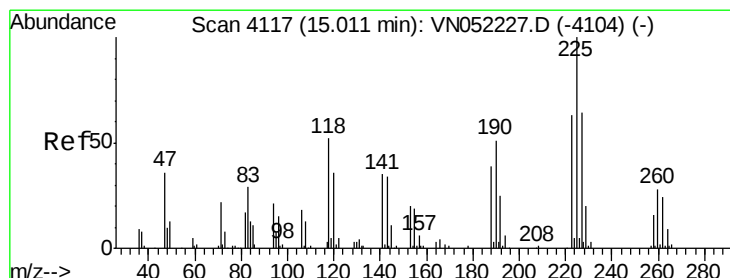
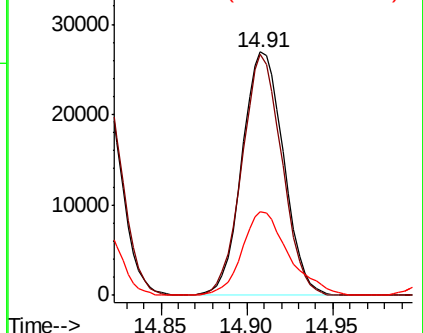
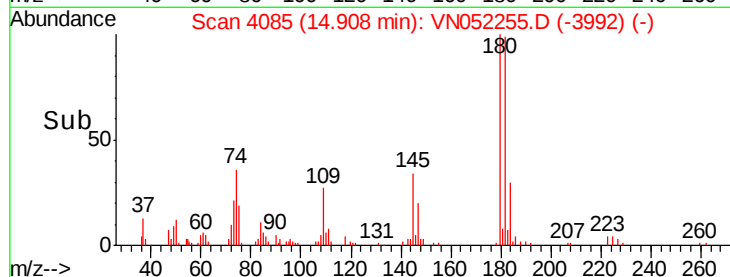
#93
 1,2,4-Trichlorobenzene
 Concen: 19.382 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBSD01

Tot Ion:180 Resp: 45144
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.3 142.0
 145 38.7 15.6 46.8

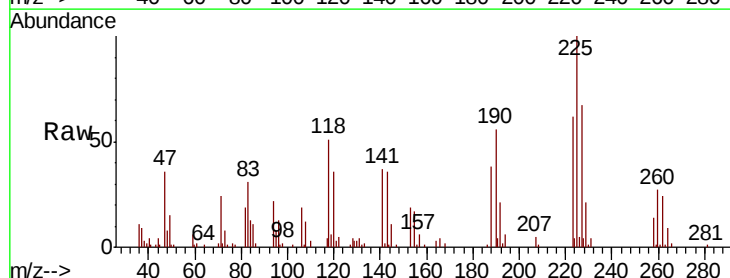


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

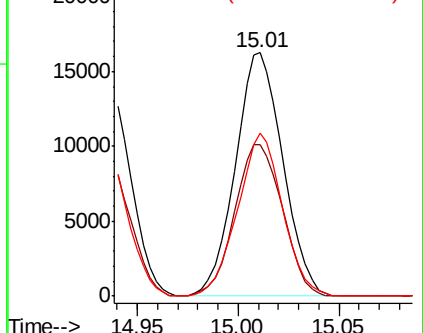
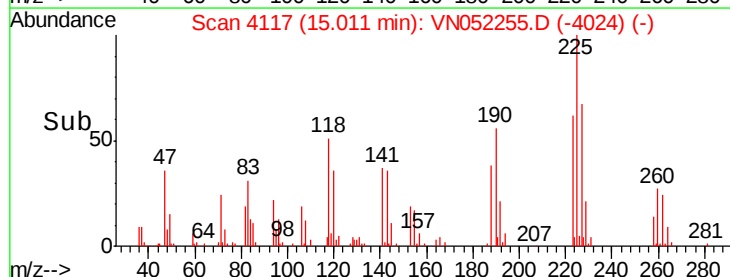


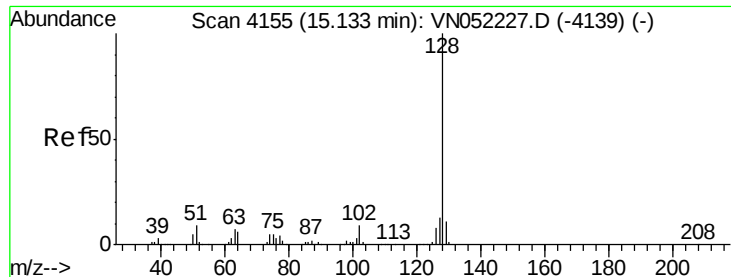
#94
 Hexachlorobutadiene
 Concen: 21.156 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052255.D
 Acq: 12 Nov 2018 12:05

Tgt Ion:225 Resp: 26777
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.1 96.3
 227 63.3 31.8 95.4



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

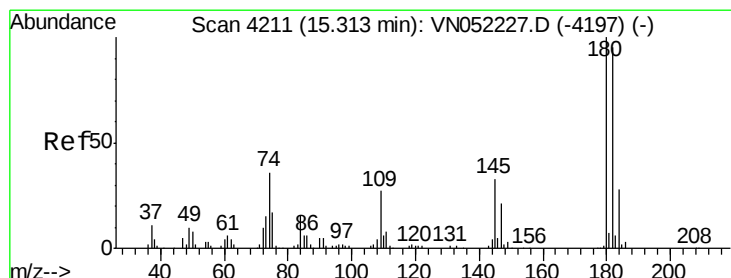
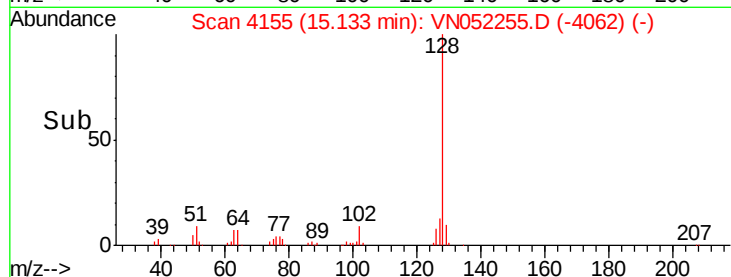
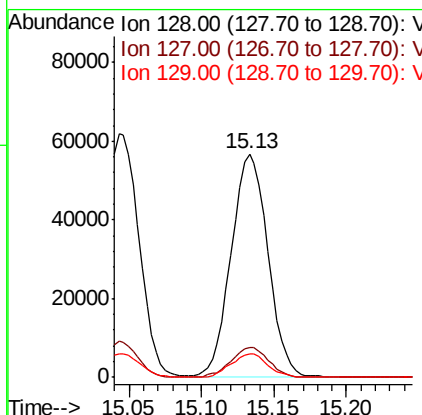
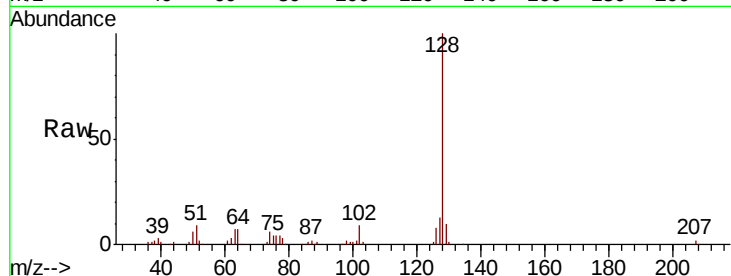




#95
Naphthalene
Concen: 17.506 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1112WBSD01

Tot Ion:128 Resp: 100496
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 10.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 17.999 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052255.D
Acq: 12 Nov 2018 12:05

Tgt Ion:180 Resp: 39636
Ion Ratio Lower Upper
180 100
182 94.9 47.7 143.1
145 31.7 16.8 50.3

