

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113018\
 Data File : VN052602.D
 Acq On : 30 Nov 2018 13:08
 Operator : MD\SY
 Sample : VN1130WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Quant Time: Dec 01 01:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	984050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1562106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1361661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	595097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	545445	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	7.59	113	488886	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.09	98	1843007	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.40	95	614984	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165953	18.011	ug/l	99
3) Chloromethane	2.06	50	223055	18.340	ug/l	99
4) Vinyl Chloride	2.19	62	234001	18.729	ug/l	99
5) Bromomethane	2.58	94	138706	17.793	ug/l	99
6) Chloroethane	2.71	64	142826	18.873	ug/l	99
7) Trichlorofluoromethane	3.02	101	297107	19.359	ug/l	100
8) Diethyl Ether	3.41	74	111711	19.711	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	186335	19.458	ug/l	99
10) Methyl Iodide	3.96	142	253706	19.891	ug/l	99
11) Tert butyl alcohol	4.78	59	57329	106.878	ug/l	98
12) 1,1-Dichloroethene	3.74	96	179818	19.507	ug/l	98
13) Acrolein	3.61	56	70629	98.490	ug/l	98
14) Allyl chloride	4.33	41	306069	19.265	ug/l	98
15) Acrylonitrile	4.99	53	328731	96.815	ug/l	99
16) Acetone	3.82	43	246719	87.301	ug/l	100
17) Carbon Disulfide	4.06	76	499934	17.234	ug/l	100
18) Methyl Acetate	4.33	43	163447	20.163	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	496600	20.248	ug/l	99
20) Methylene Chloride	4.55	84	207897	18.799	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	196321	19.941	ug/l	96
22) Diisopropyl ether	5.95	45	658483	19.732	ug/l	96
23) Vinyl Acetate	5.90	43	2047913	98.526	ug/l	100
24) 1,1-Dichloroethane	5.85	63	375461	19.705	ug/l	100
25) 2-Butanone	6.84	43	373766	93.310	ug/l	98
26) 2,2-Dichloropropane	6.83	77	256663	19.461	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	227655	19.851	ug/l	97
28) Bromochloromethane	7.20	49	181146	20.815	ug/l	95
29) Tetrahydrofuran	7.21	42	246443	95.387	ug/l	99
30) Chloroform	7.37	83	365403	19.221	ug/l	98
31) Cyclohexane	7.66	56	346751	18.572	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	303167	20.128	ug/l	98
36) 1,1-Dichloropropene	7.79	75	280344	19.005	ug/l	98
37) Ethyl Acetate	6.93	43	170499	18.939	ug/l	100
38) Carbon Tetrachloride	7.78	117	259647	19.443	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	326795	18.226	ug/l	100
40) Benzene	8.04	78	852455	19.391	ug/l	100
41) Methacrylonitrile	7.17	41	101213	20.564	ug/l	97
42) 1,2-Dichloroethane	8.13	62	259078	19.463	ug/l	100
43) Isopropyl Acetate	8.17	43	303053	19.892	ug/l	98
44) Trichloroethene	8.84	130	220016	19.538	ug/l	99
45) 1,2-Dichloropropane	9.12	63	225306	19.277	ug/l	98
46) Dibromomethane	9.21	93	128944	19.929	ug/l	99
47) Bromodichloromethane	9.40	83	272533	19.373	ug/l	100
48) Methyl methacrylate	9.20	41	149997	18.882	ug/l	98
49) 1,4-Dioxane	9.20	88	36234	439.488	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	830605	97.169	ug/l	100
52) Toluene	10.16	92	515357	19.731	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	261788	19.344	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	318463	19.637	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	184665	20.099	ug/l	98
56) Ethyl methacrylate	10.43	69	229193	19.690	ug/l	99
57) 1,3-Dichloropropane	10.71	76	313341	19.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	664257	99.636	ug/l	98
59) 2-Hexanone	10.75	43	545880	95.150	ug/l	100
60) Dibromochloromethane	10.90	129	196070	19.649	ug/l	100
61) 1,2-Dibromoethane	11.01	107	175999	19.287	ug/l	100
64) Tetrachloroethene	10.63	164	208792	19.777	ug/l	99
65) Chlorobenzene	11.43	112	557449	19.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	195129	19.987	ug/l	99
67) Ethyl Benzene	11.51	91	964000	19.606	ug/l	100
68) m/p-Xylenes	11.62	106	727041	39.720	ug/l	99
69) o-Xylene	11.95	106	354019	19.917	ug/l	100
70) Styrene	11.96	104	569538	20.117	ug/l	99
71) Bromoform	12.13	173	127479	19.721	ug/l #	100
73) Isopropylbenzene	12.25	105	941083	20.156	ug/l	99
74) N-amyl acetate	12.07	43	236628	20.061	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	208218	19.605	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	258268	28.144	ug/l #	100
77) Bromobenzene	12.53	156	232469	20.144	ug/l	98
78) n-propylbenzene	12.59	91	1060726	19.998	ug/l	99
79) 2-Chlorotoluene	12.68	91	630788	19.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	765120	20.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51792	18.848	ug/l	98
82) 4-Chlorotoluene	12.77	91	633791	19.910	ug/l	100
83) tert-Butylbenzene	12.99	119	669679	20.173	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	763695	20.465	ug/l	99
85) sec-Butylbenzene	13.17	105	894540	19.784	ug/l	99
86) p-Isopropyltoluene	13.29	119	764924	19.863	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	396346	19.634	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	388452	19.536	ug/l	98
89) n-Butylbenzene	13.62	91	619666	19.348	ug/l	100
90) Hexachloroethane	13.88	117	128128	19.649	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	389133	20.177	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29631	19.507	ug/l	95

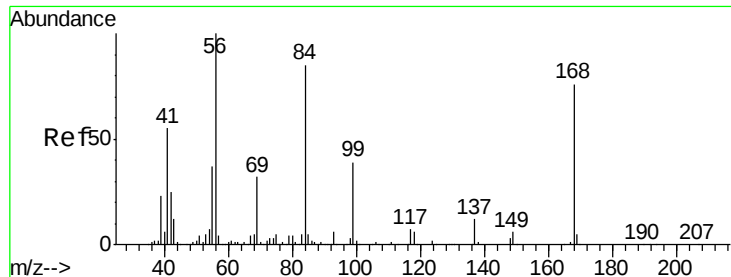
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Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	180907	18.984	ug/l	99
94) Hexachlorobutadiene	15.01	225	118988	19.178	ug/l	99
95) Naphthalene	15.13	128	373051	18.937	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	175613	19.820	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

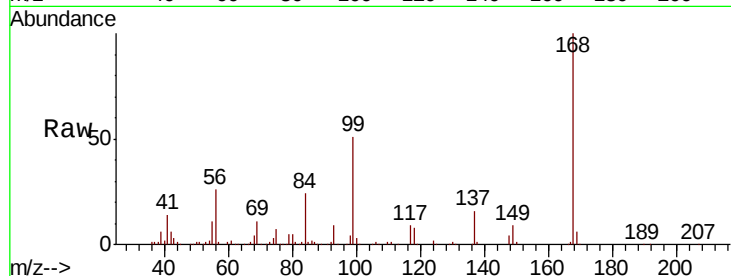
VN1130WBSD02

Tot Ion:168 Resp: 984050

Ion Ratio Lower Upper

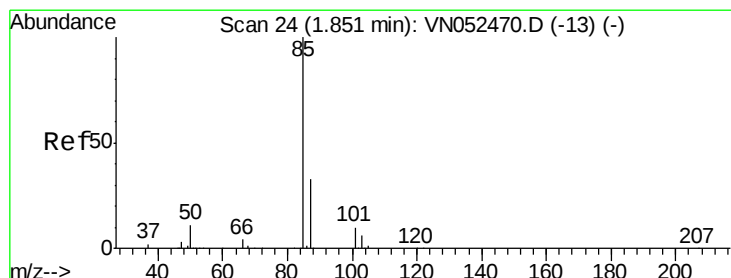
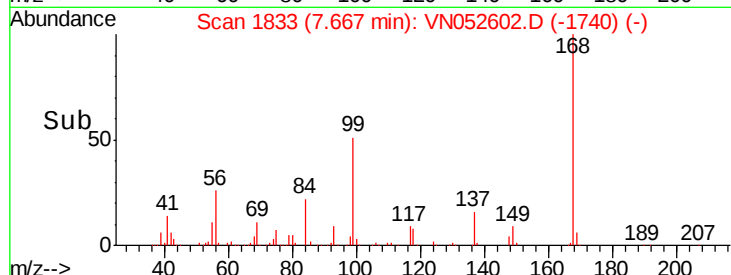
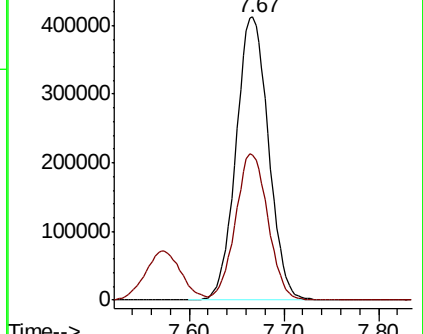
168 100

99 51.4 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.011 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052602.D

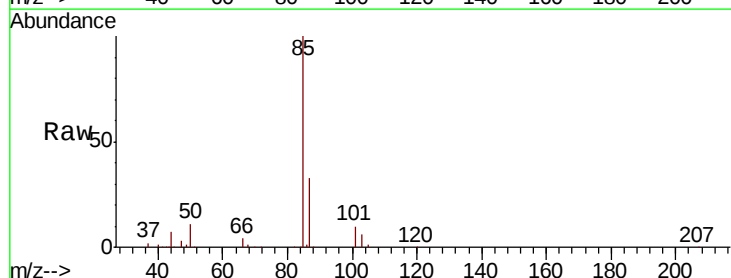
Acq: 30 Nov 2018 13:08

Tgt Ion: 85 Resp: 165953

Ion Ratio Lower Upper

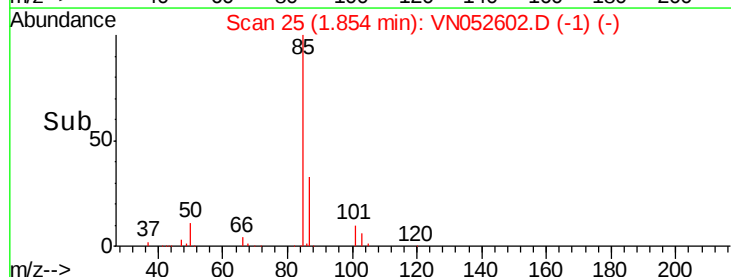
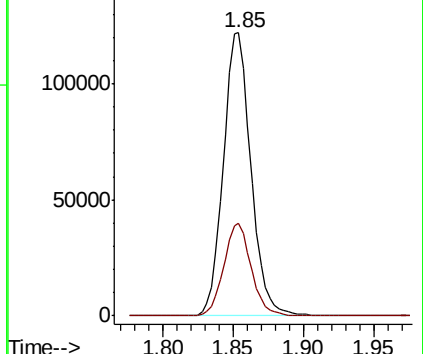
85 100

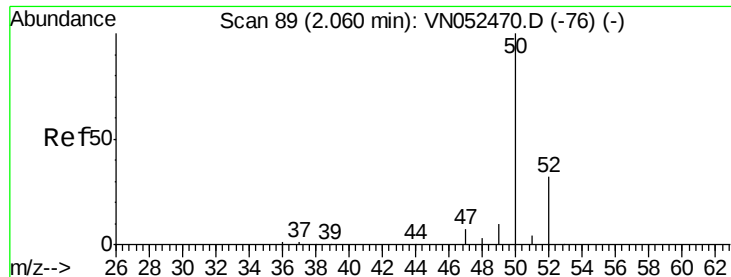
87 32.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.340 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

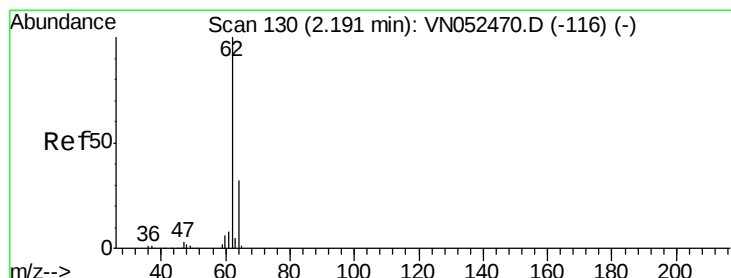
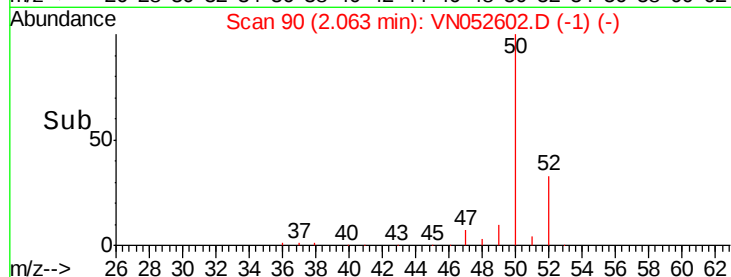
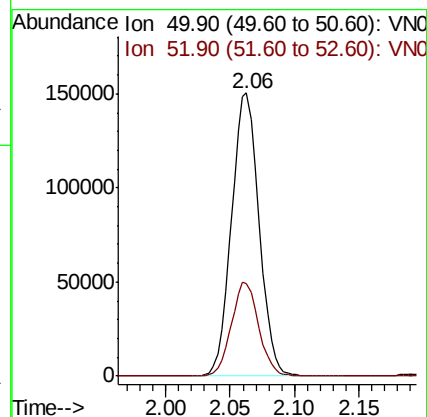
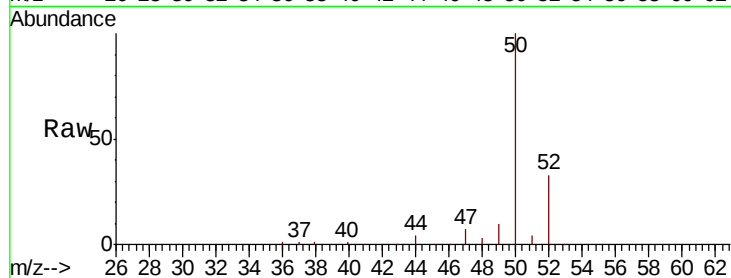
VN1130WBSD02

Tot Ion: 50 Resp: 223055

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9



#4

Vinyl Chloride

Concen: 18.729 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052602.D

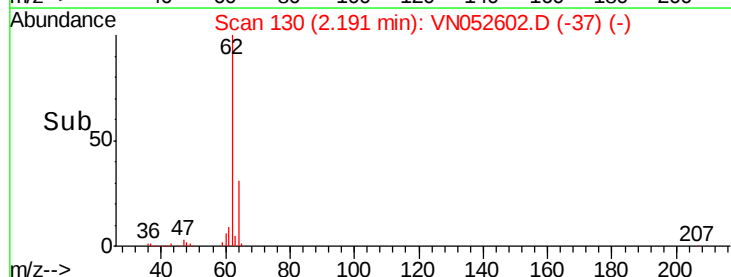
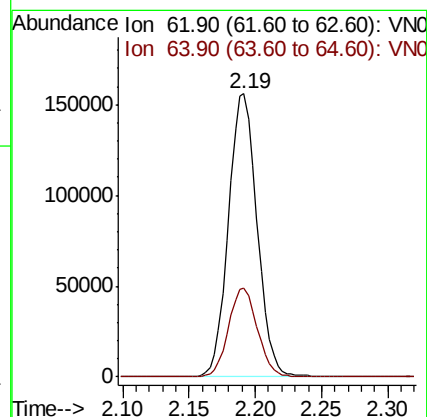
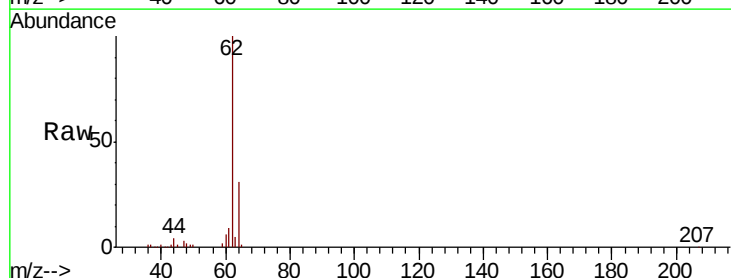
Acq: 30 Nov 2018 13:08

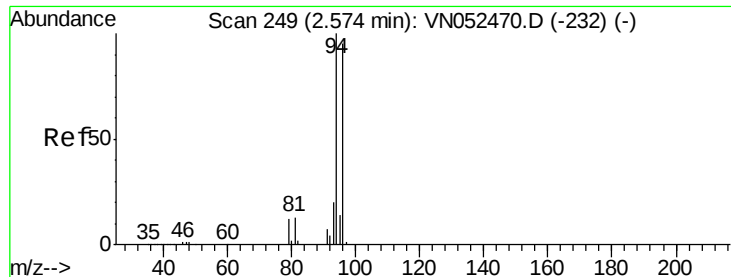
Tgt Ion: 62 Resp: 234001

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 17.793 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

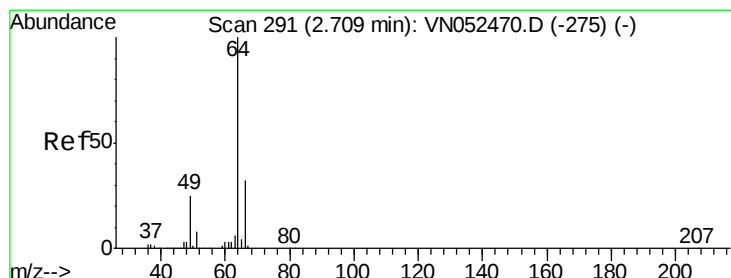
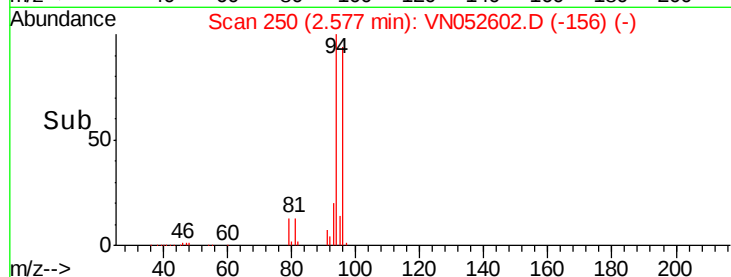
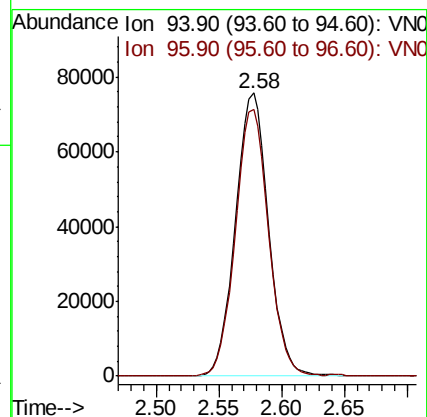
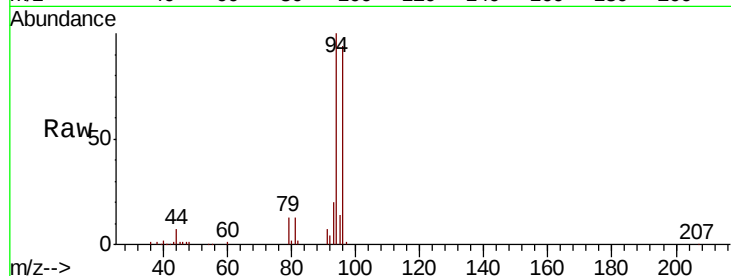
VN1130WBSD02

Tot Ion: 94 Resp: 138706

Ion Ratio Lower Upper

94 100

96 94.0 75.8 113.8



#6

Chloroethane

Concen: 18.873 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052602.D

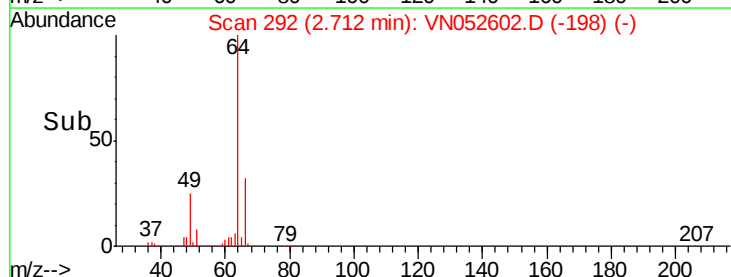
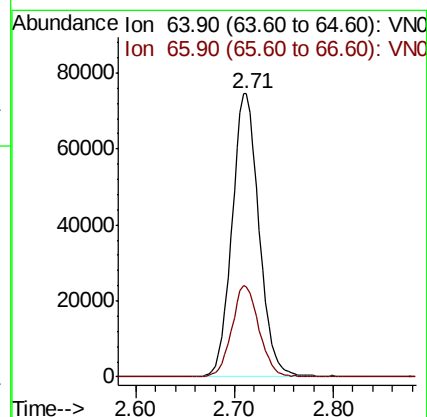
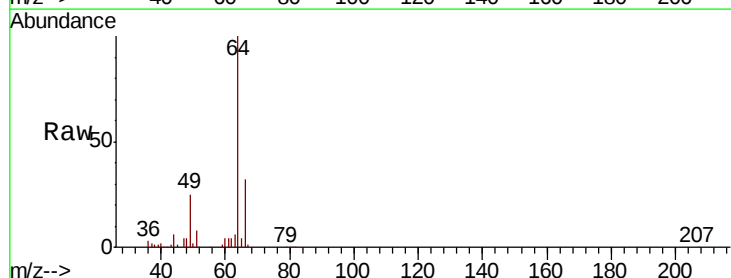
Acq: 30 Nov 2018 13:08

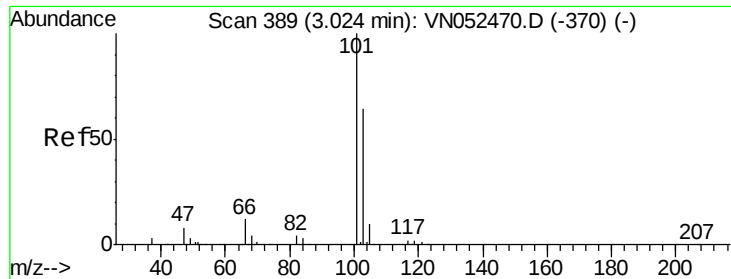
Tgt Ion: 64 Resp: 142826

Ion Ratio Lower Upper

64 100

66 31.6 25.7 38.5



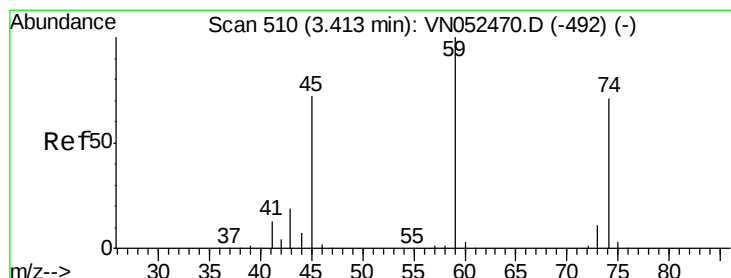
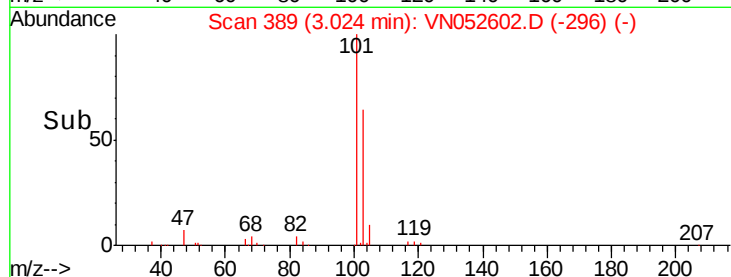
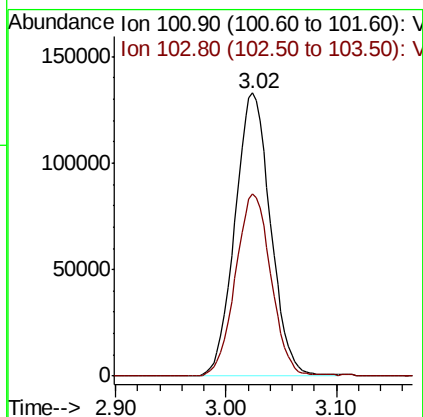
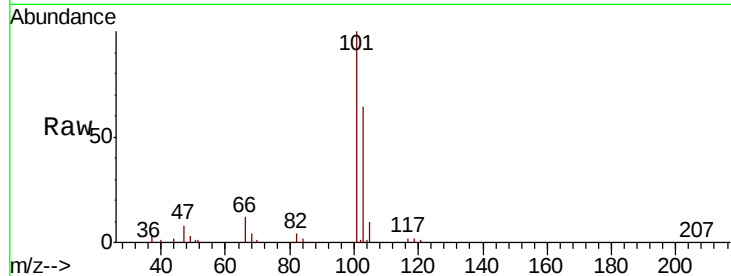


#7

Trichlorofluoromethane
 Concen: 19.359 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

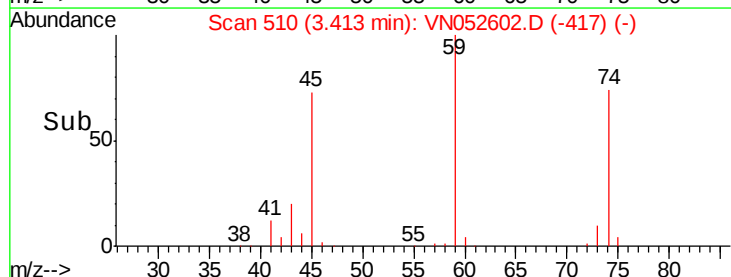
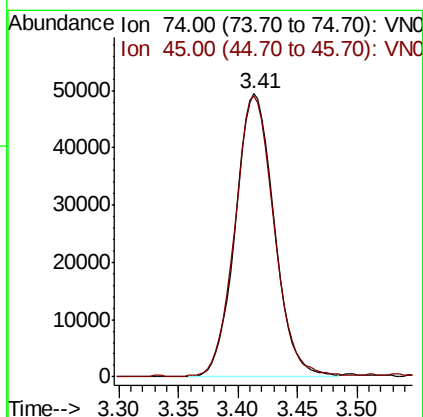
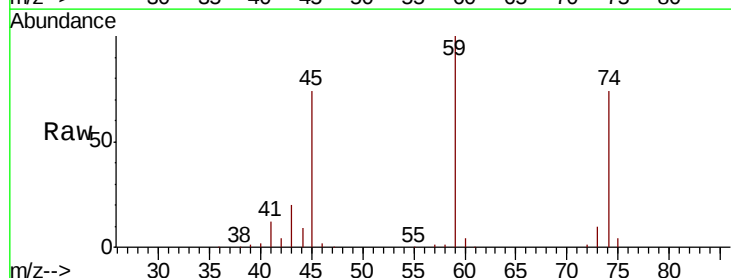
Tot Ion:101 Resp: 297107
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2

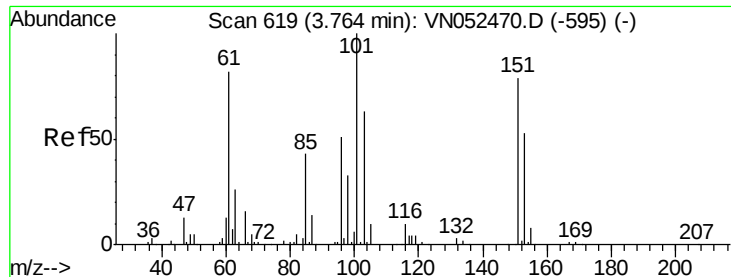


#8

Diethyl Ether
 Concen: 19.711 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 74 Resp: 111711
 Ion Ratio Lower Upper
 74 100
 45 100.7 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.458 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

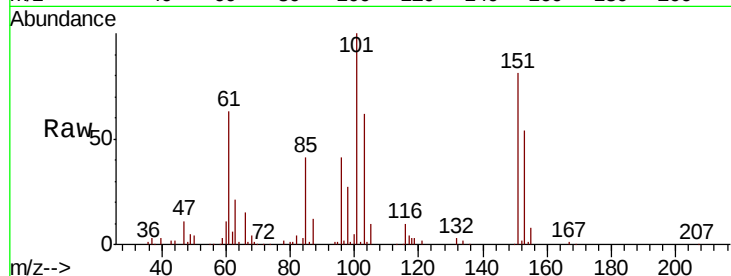
Tot Ion:101 Resp: 186335

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.4

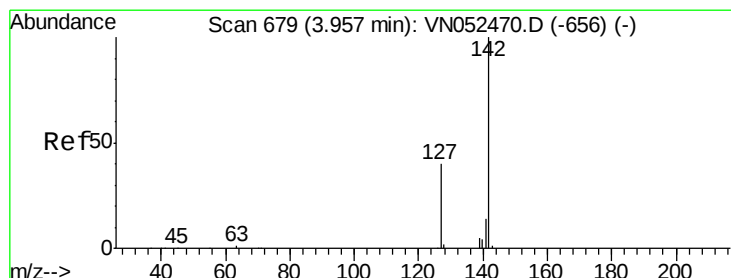
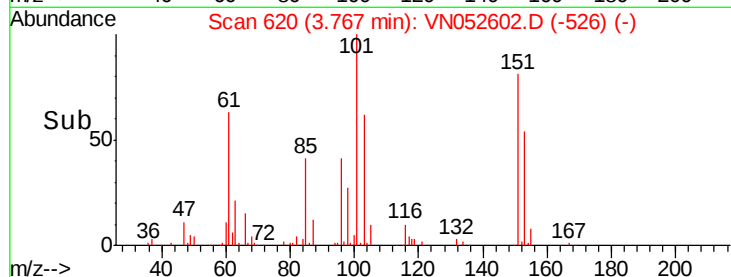
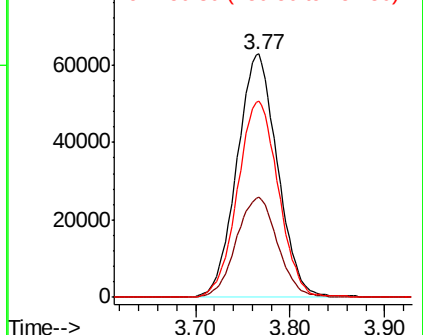
151 81.4 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.891 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

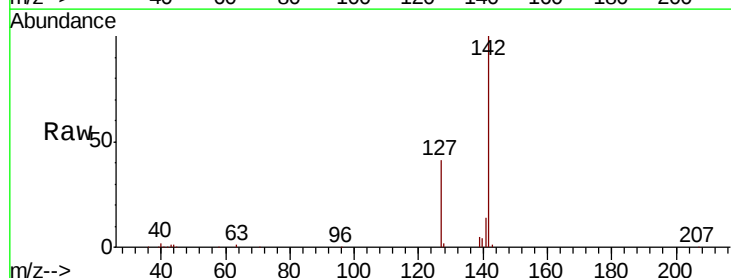
Tgt Ion:142 Resp: 253706

Ion Ratio Lower Upper

142 100

127 39.4 31.8 47.6

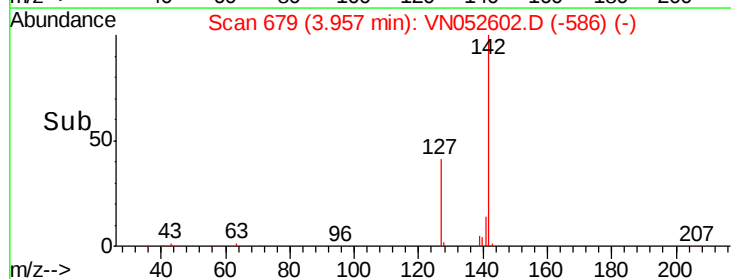
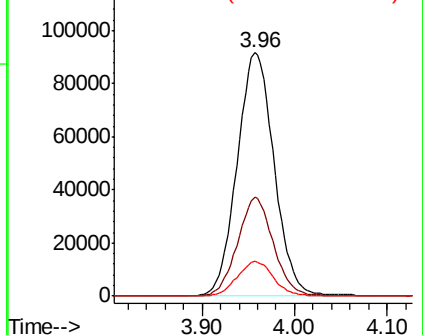
141 13.9 11.4 17.0

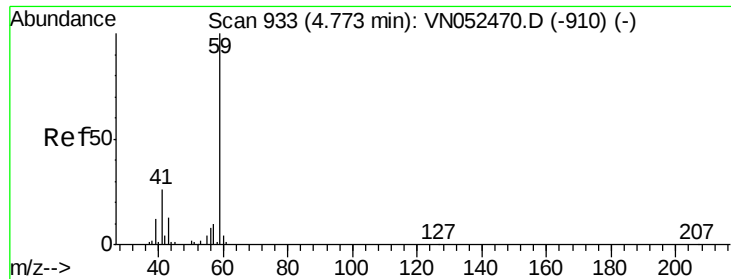


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



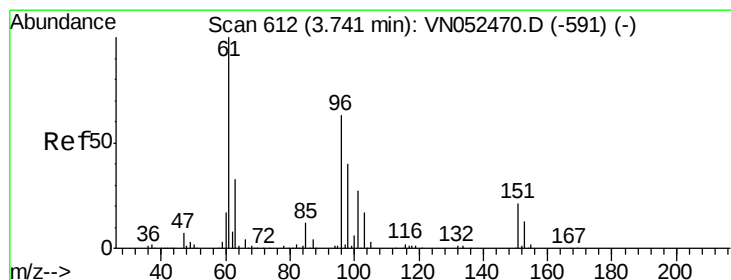
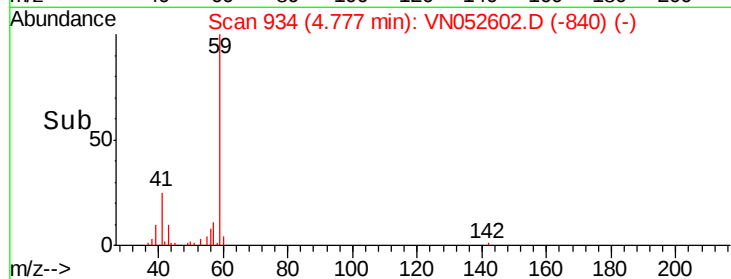
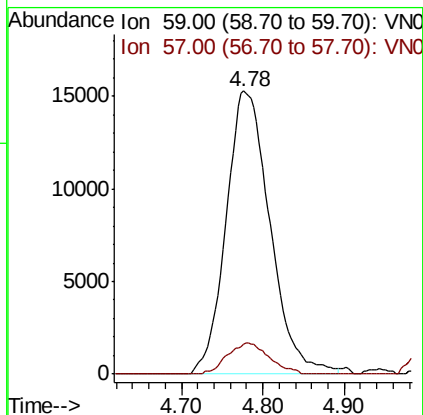
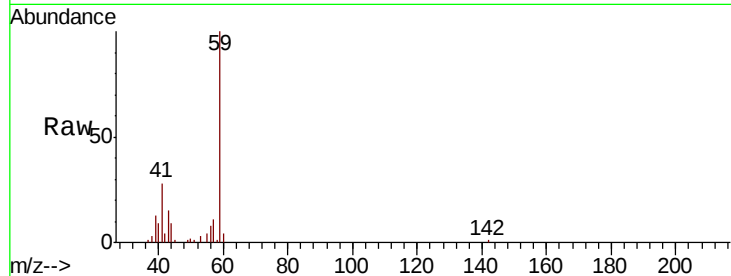


#11

Tert butyl alcohol
 Concen: 106.878 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

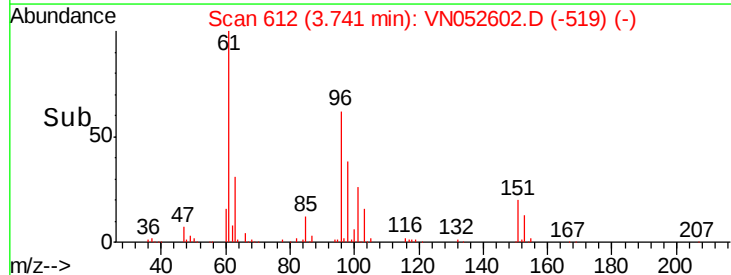
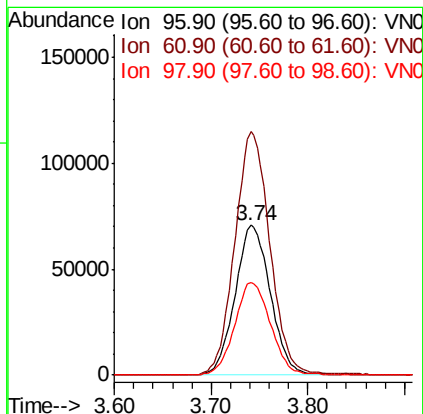
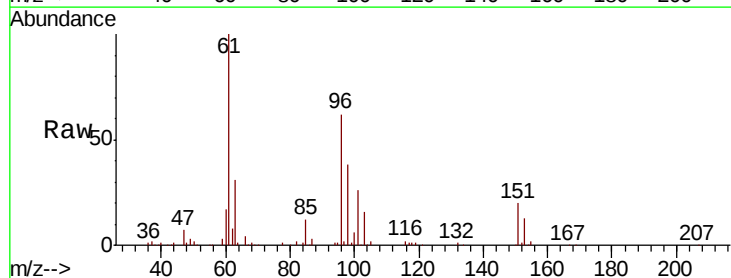
Tot Ion: 59 Resp: 57329
 Ion Ratio Lower Upper
 59 100
 57 10.5 7.9 11.9

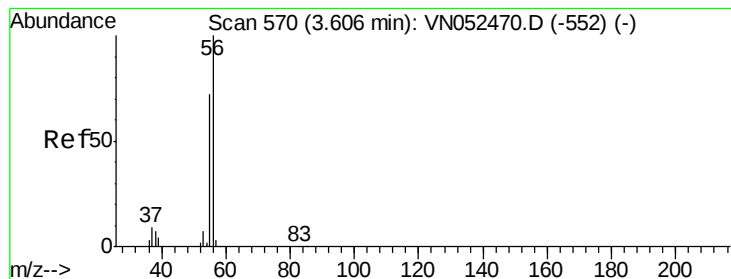


#12

1,1-Dichloroethene
 Concen: 19.507 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 96 Resp: 179818
 Ion Ratio Lower Upper
 96 100
 61 162.4 127.0 190.6
 98 61.9 50.3 75.5





#13

Acrolein

Concen: 98.490 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

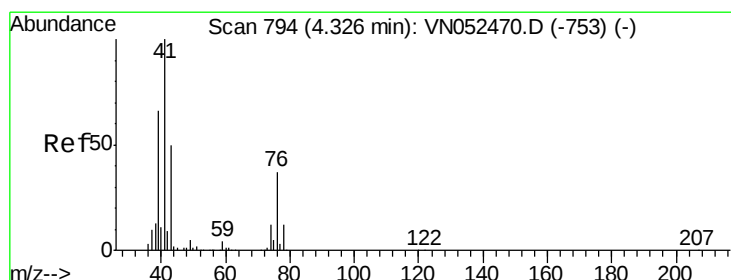
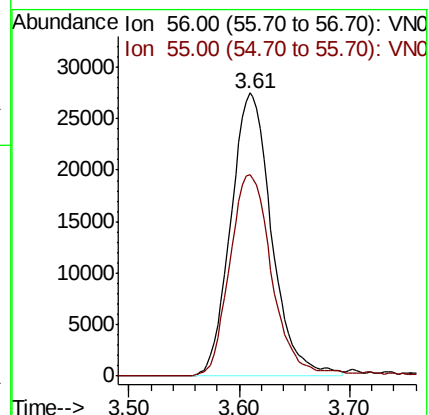
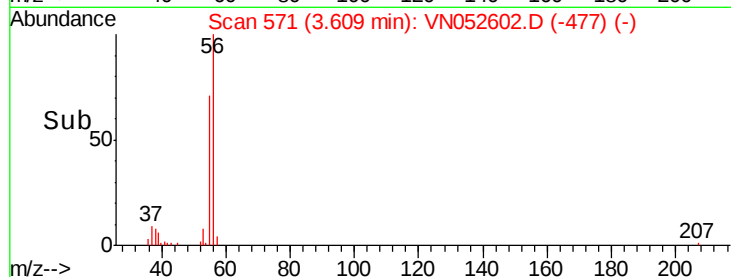
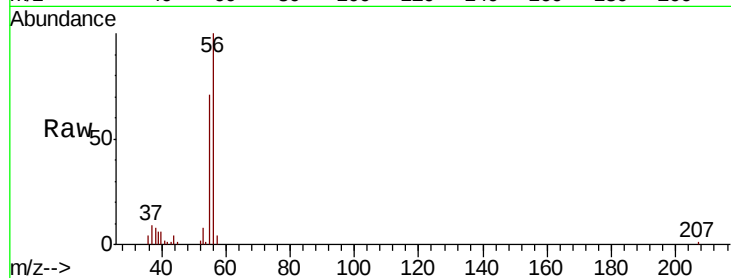
VN1130WBSD02

Tot Ion: 56 Resp: 70629

Ion Ratio Lower Upper

56 100

55 72.7 56.8 85.2



#14

Allyl chloride

Concen: 19.265 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

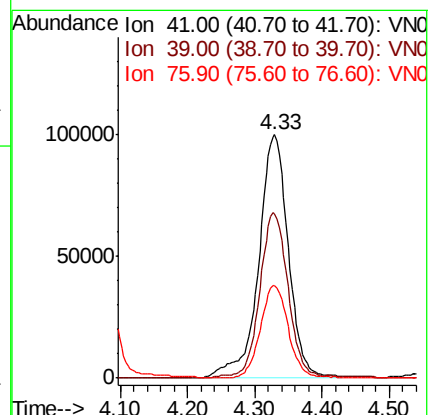
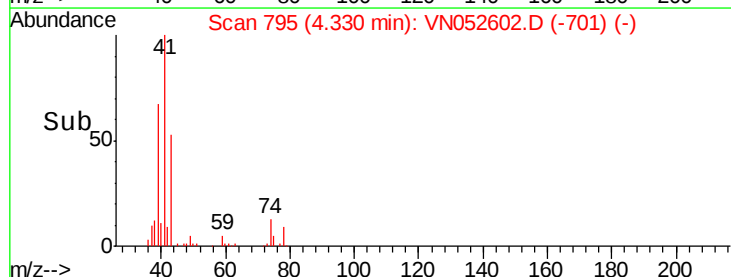
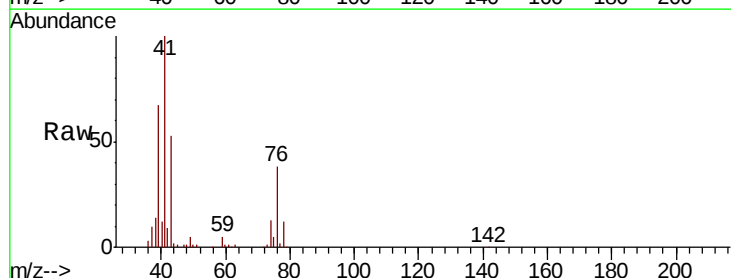
Tgt Ion: 41 Resp: 306069

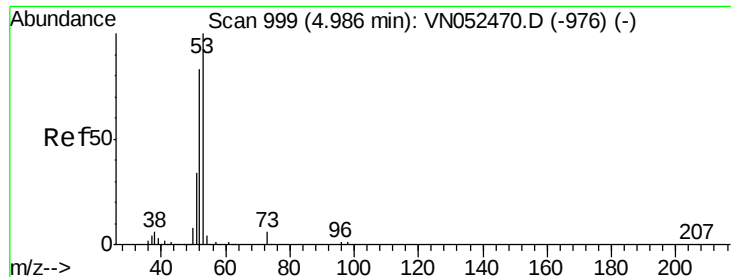
Ion Ratio Lower Upper

41 100

39 64.9 50.6 76.0

76 35.2 27.4 41.2





#15

Acrylonitrile

Concen: 96.815 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

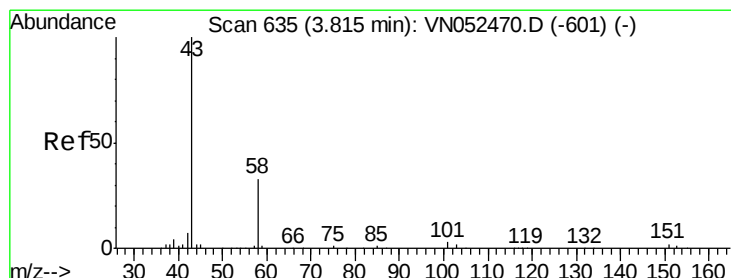
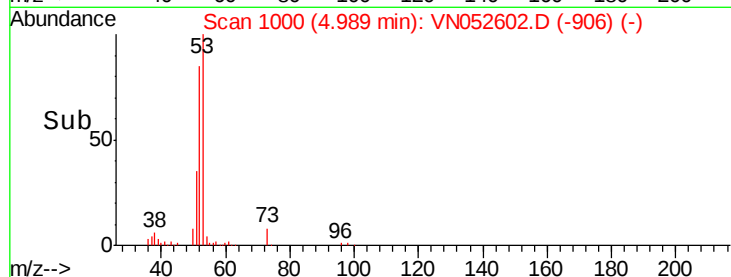
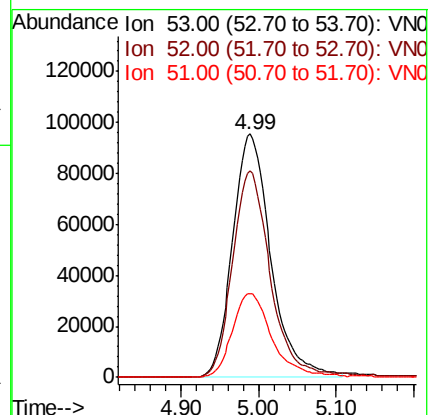
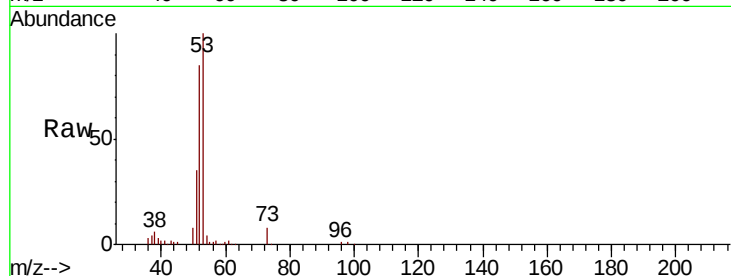
Tot Ion: 53 Resp: 328731

Ion Ratio Lower Upper

53 100

52 84.1 66.2 99.2

51 35.8 28.1 42.1



#16

Acetone

Concen: 87.301 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052602.D

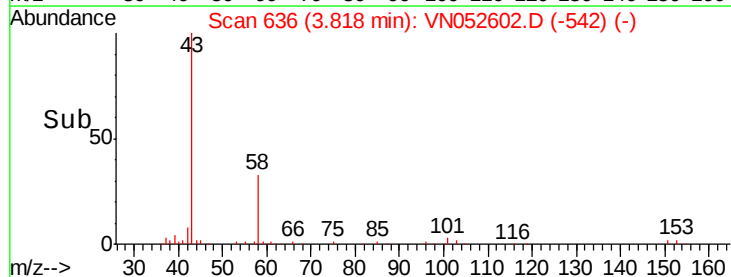
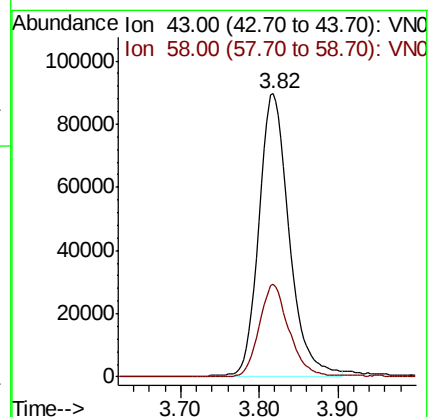
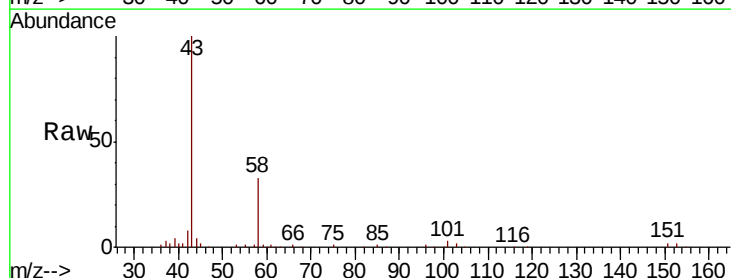
Acq: 30 Nov 2018 13:08

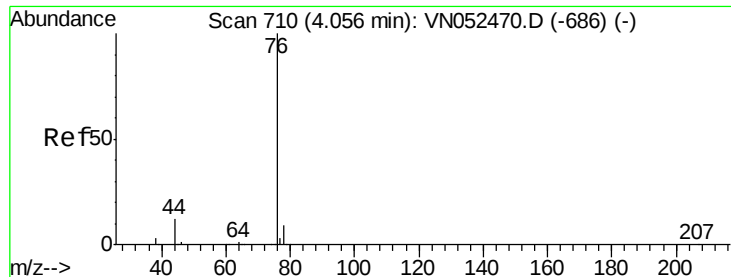
Tgt Ion: 43 Resp: 246719

Ion Ratio Lower Upper

43 100

58 32.6 26.0 39.0

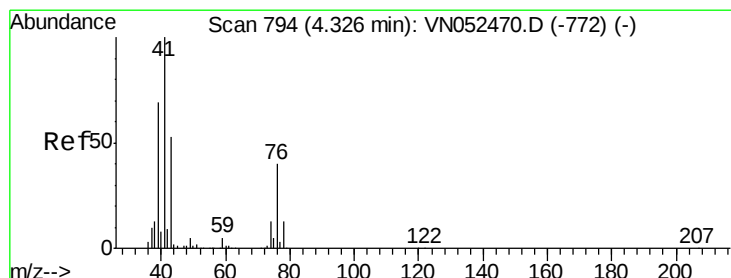
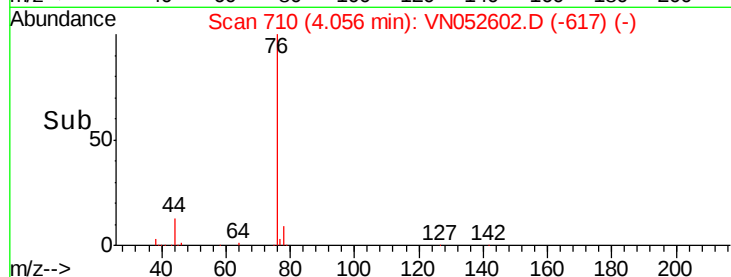
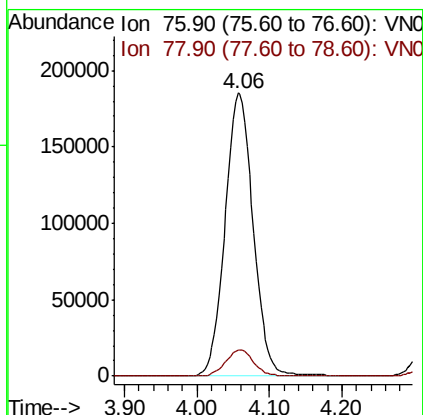
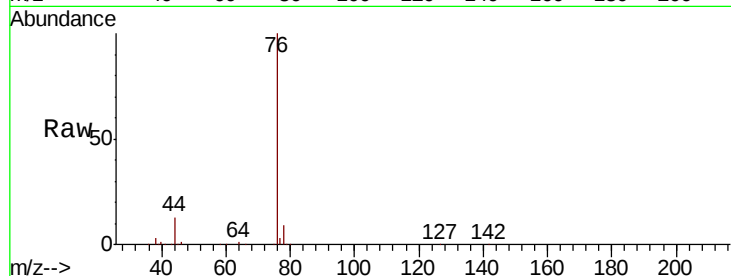




#17
Carbon Disulfide
Concen: 17.234 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

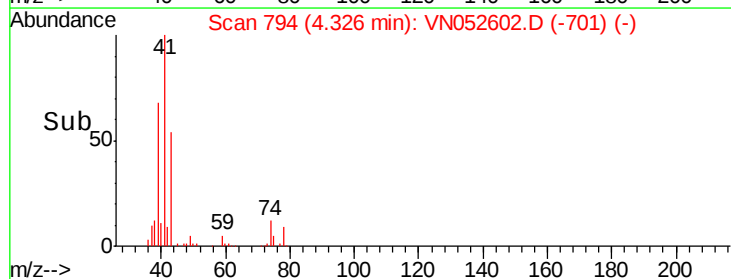
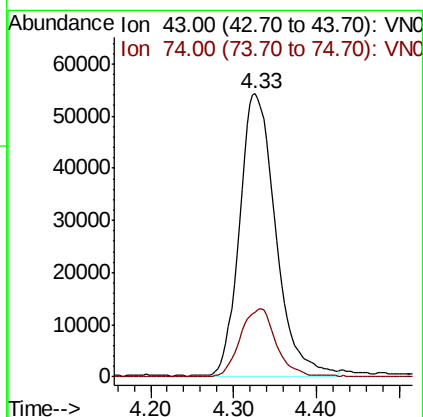
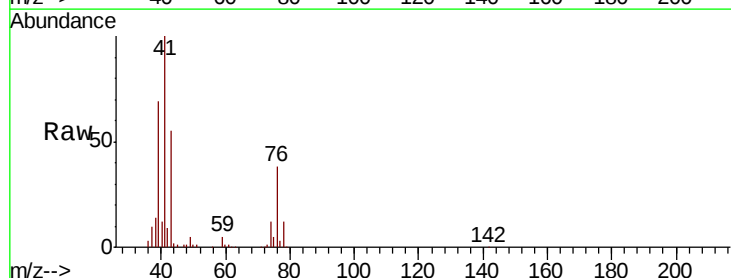
Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

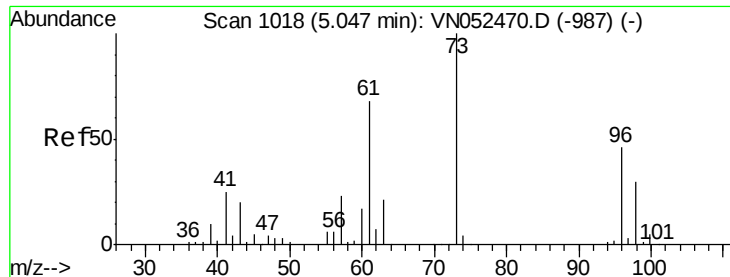
Tot Ion: 76 Resp: 499934
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 20.163 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 43 Resp: 163447
Ion Ratio Lower Upper
43 100
74 23.9 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 20.248 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

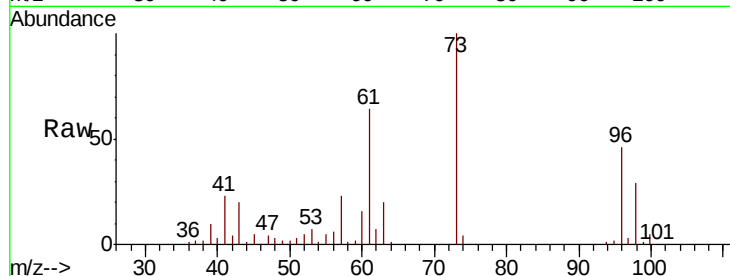
VN1130WBSD02

Tot Ion: 73 Resp: 496600

Ion Ratio Lower Upper

73 100

57 23.2 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

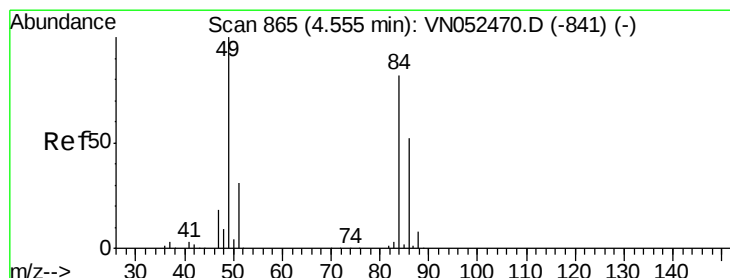
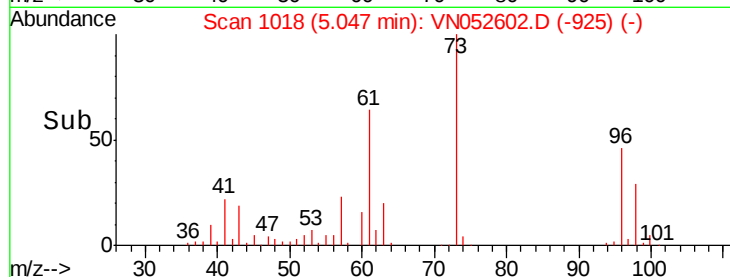
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 18.799 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Tgt Ion: 84 Resp: 207897

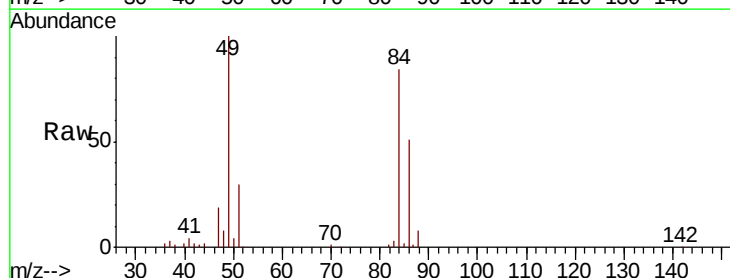
Ion Ratio Lower Upper

84 100

49 118.9 98.0 147.0

51 35.5 30.1 45.1

86 61.2 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

120000

100000

80000

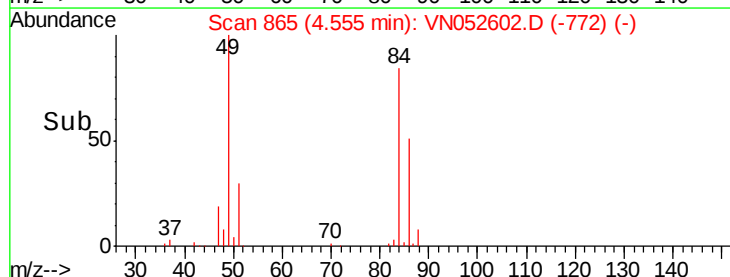
60000

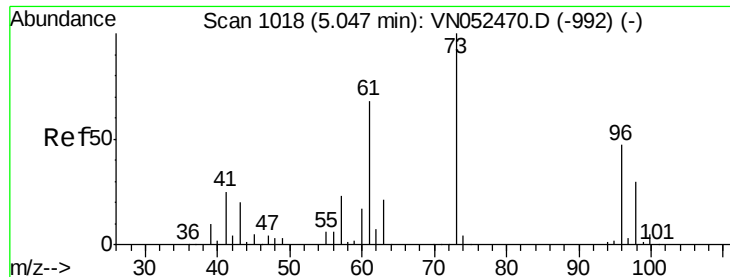
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.941 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

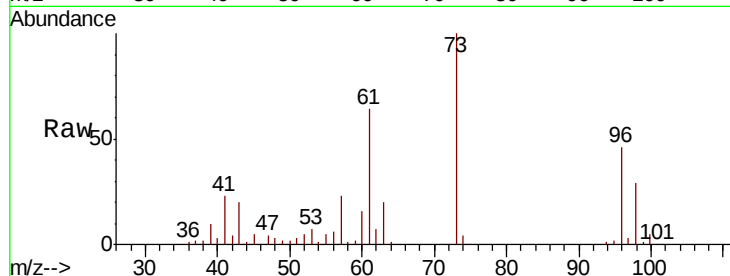
Tot Ion: 96 Resp: 196321

Ion Ratio Lower Upper

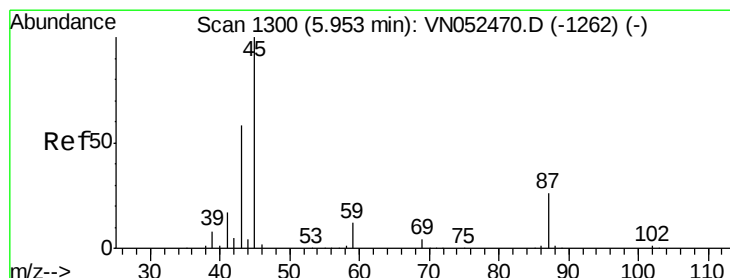
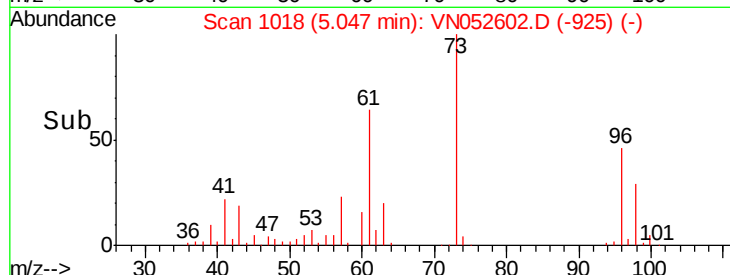
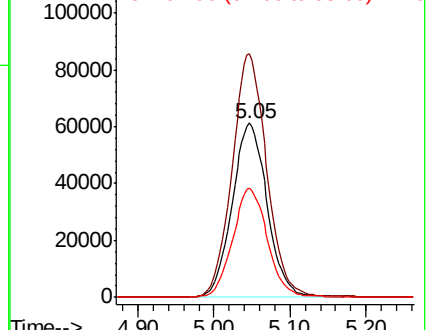
96 100

61 140.0 117.0 175.4

98 62.5 51.8 77.6



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



#22

Diisopropyl ether

Concen: 19.732 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Tgt Ion: 45 Resp: 658483

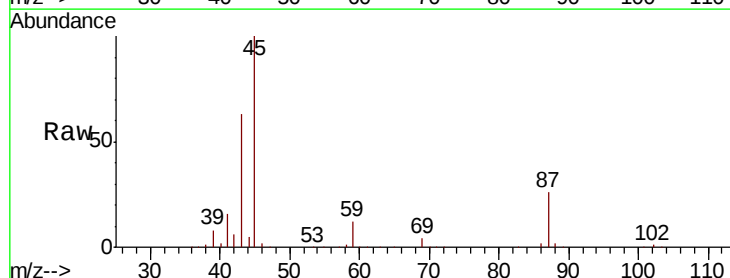
Ion Ratio Lower Upper

45 100

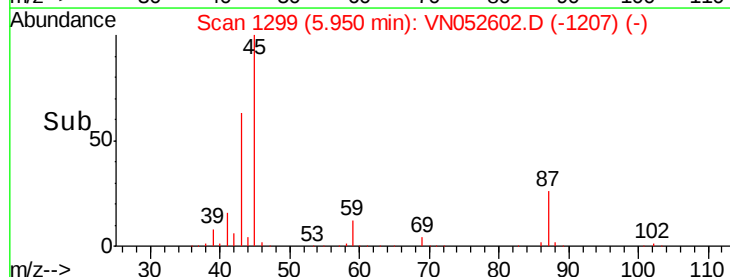
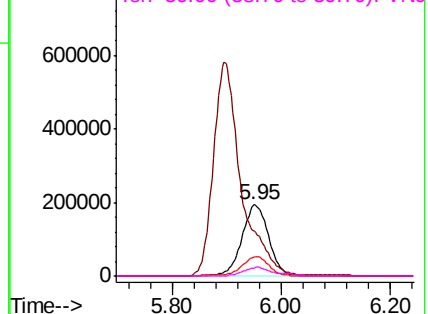
43 62.3 46.1 69.1

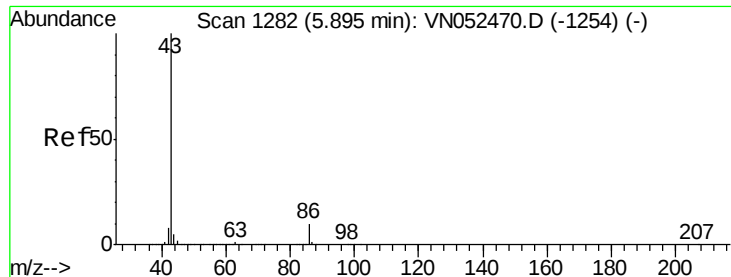
87 26.2 21.3 31.9

59 11.6 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 98.526 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

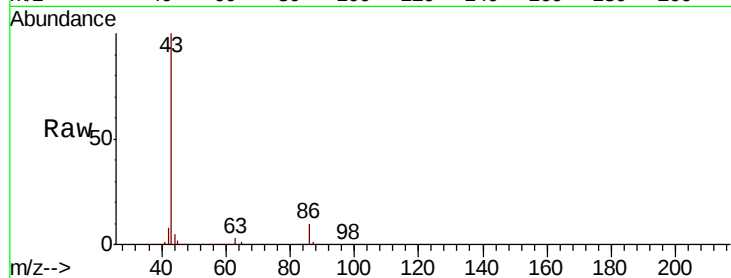
VN1130WBSD02

Tot Ion: 43 Resp: 2047913

Ion Ratio Lower Upper

43 100

86 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)

5.90

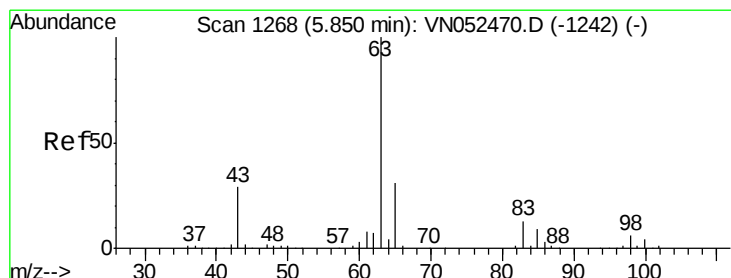
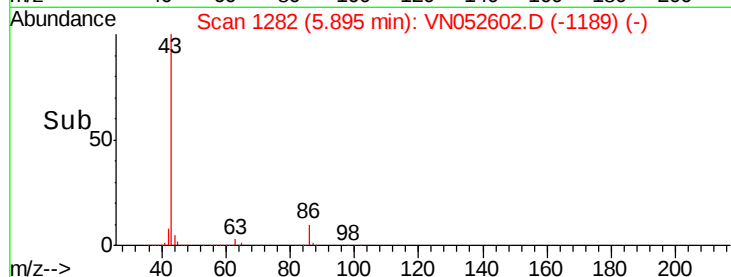
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.705 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

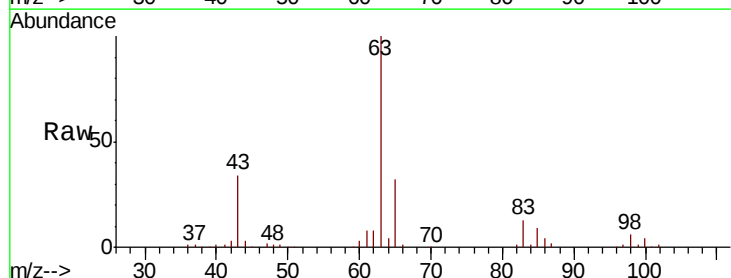
Tgt Ion: 63 Resp: 375461

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

5.85

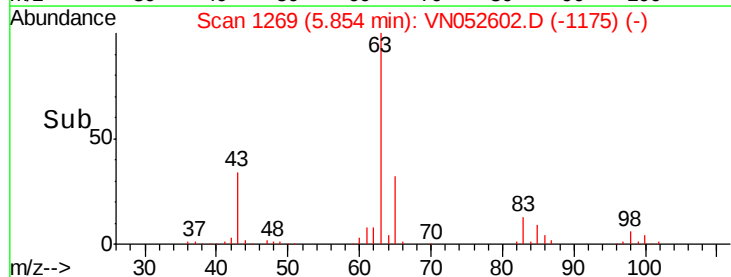
150000

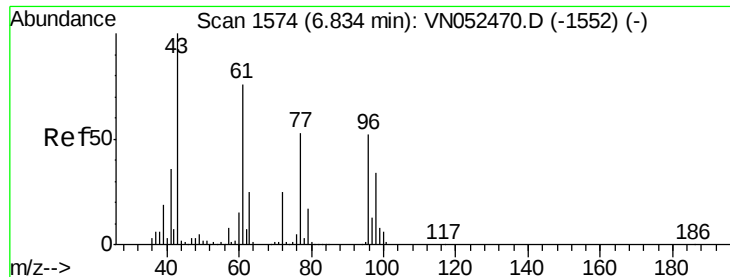
100000

50000

0

Time-->





#25

2-Butanone

Concen: 93.310 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

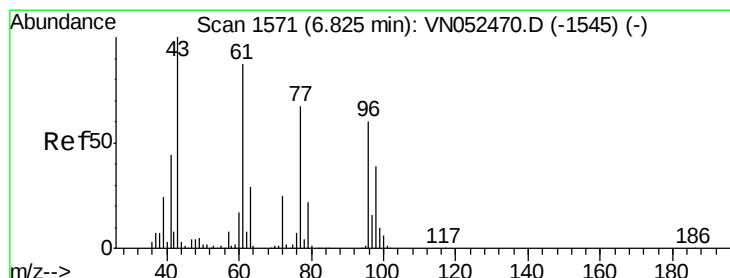
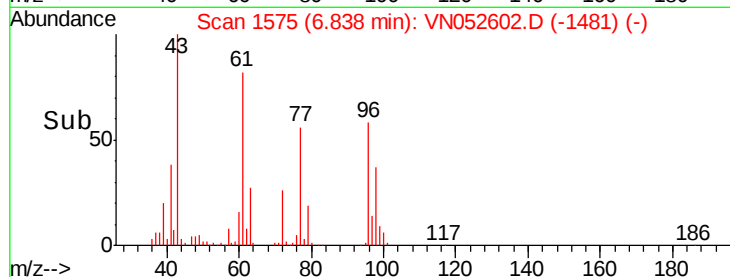
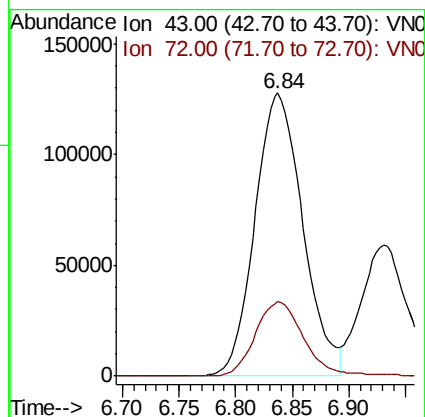
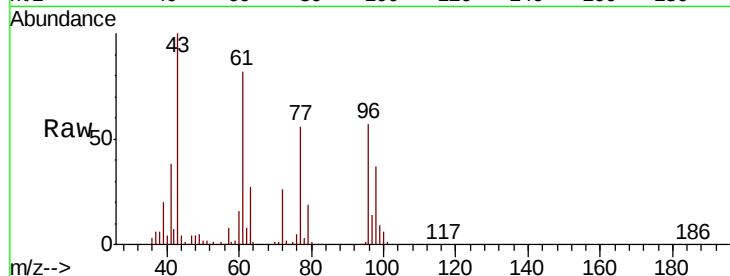
VN1130WBSD02

Tot Ion: 43 Resp: 373766

Ion Ratio Lower Upper

43 100

72 26.3 20.1 30.1



#26

2,2-Dichloropropane

Concen: 19.461 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052602.D

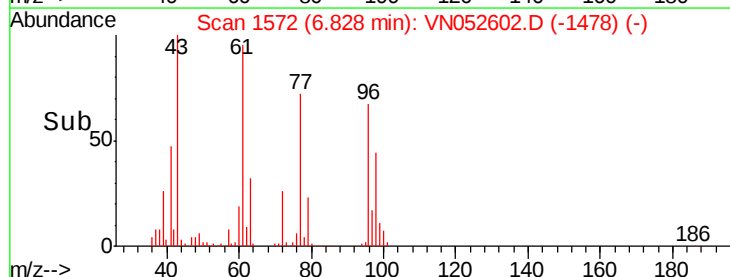
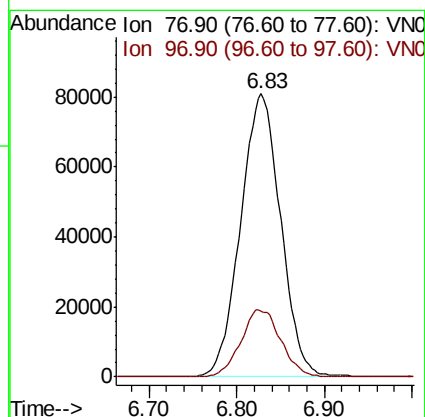
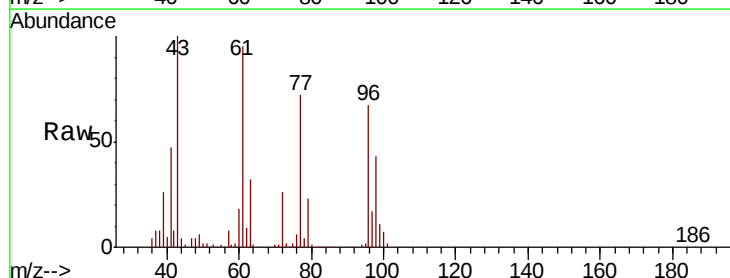
Acq: 30 Nov 2018 13:08

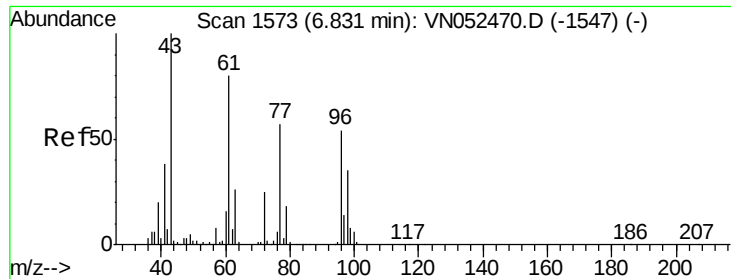
Tgt Ion: 77 Resp: 256663

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.851 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

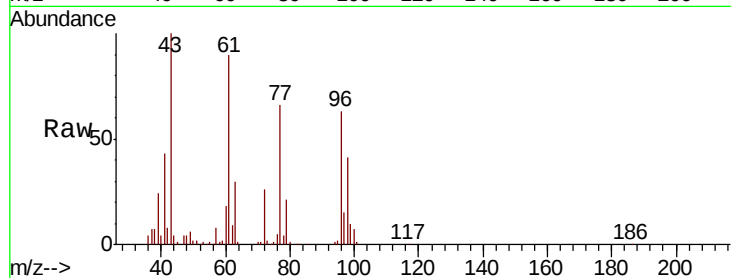
Tot Ion: 96 Resp: 227655

Ion Ratio Lower Upper

96 100

61 141.4 0.0 291.0

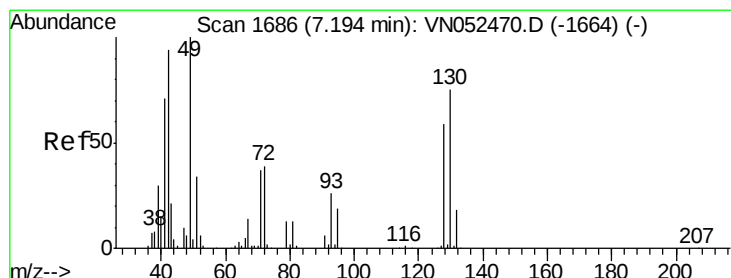
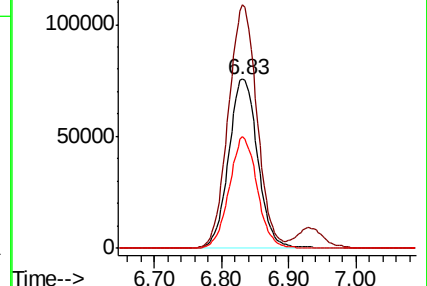
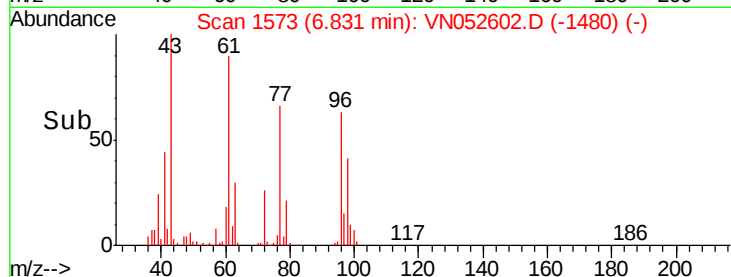
98 63.4 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN052602.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052602.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052602.D (-1480) (-)



#28

Bromochloromethane

Concen: 20.815 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

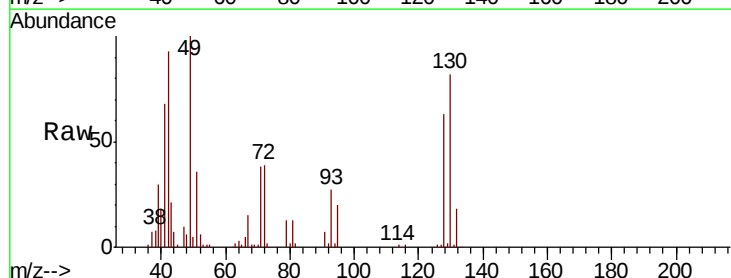
Tgt Ion: 49 Resp: 181146

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

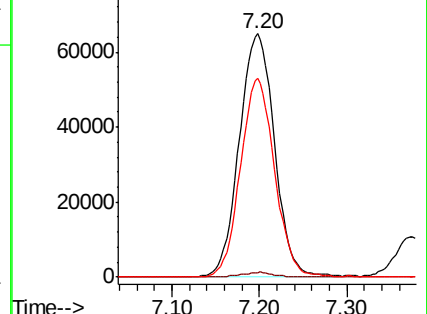
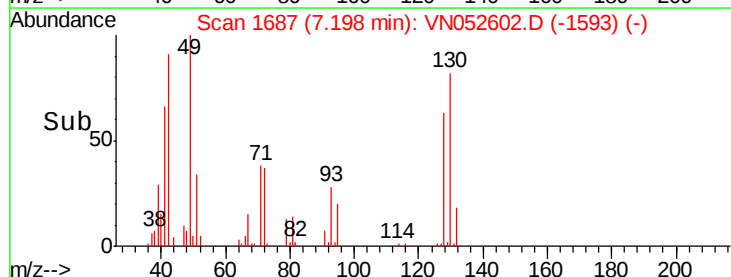
130 79.1 60.2 90.2

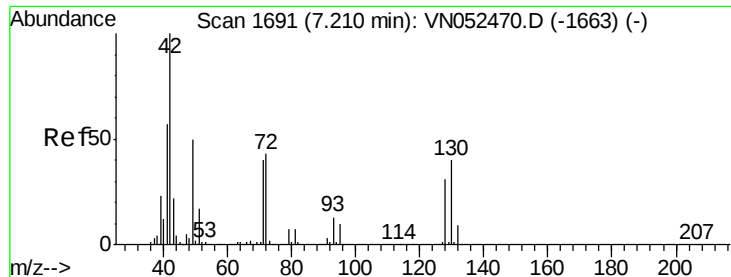


Abundance Ion 48.90 (48.60 to 49.60): VN052602.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052602.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052602.D (-1593) (-)

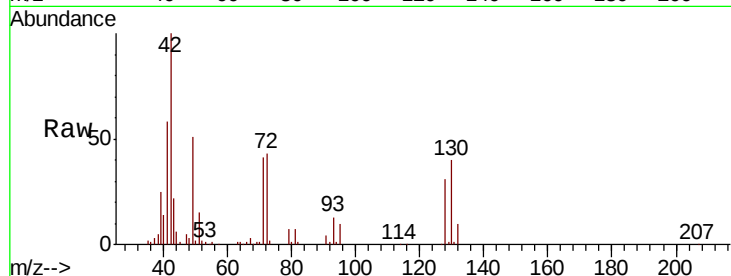




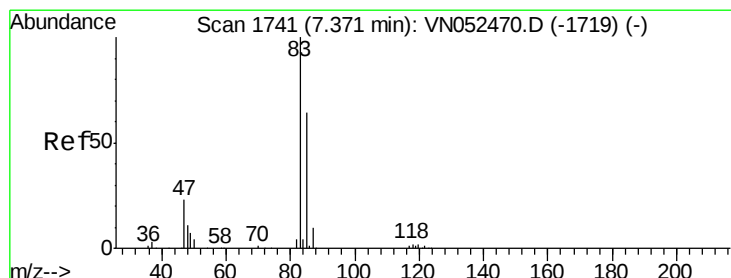
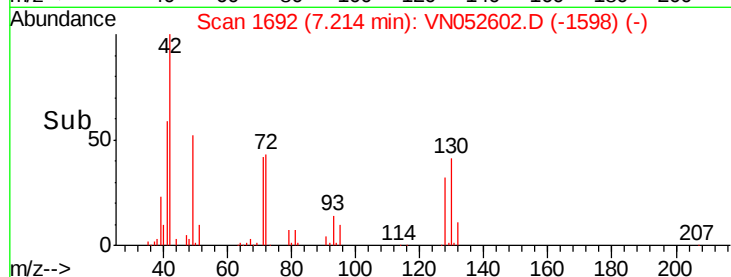
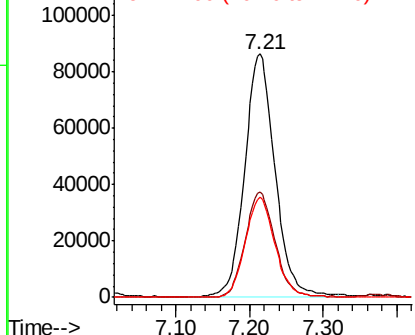
#29
Tetrahydrofuran
Concen: 95.387 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tot Ion: 42 Resp: 246443
Ion Ratio Lower Upper
42 100
72 42.8 33.3 49.9
71 40.5 32.0 48.0

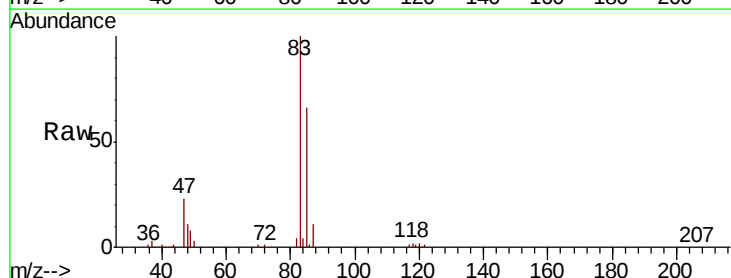


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

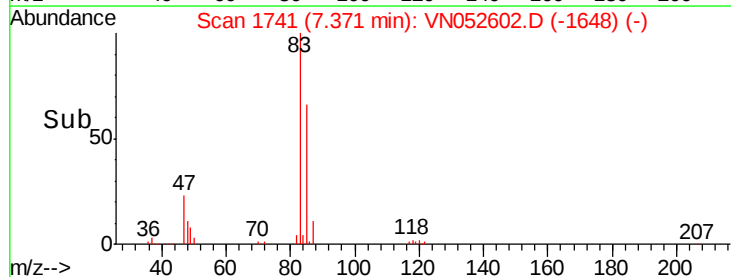
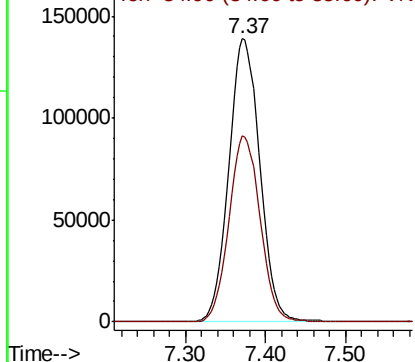


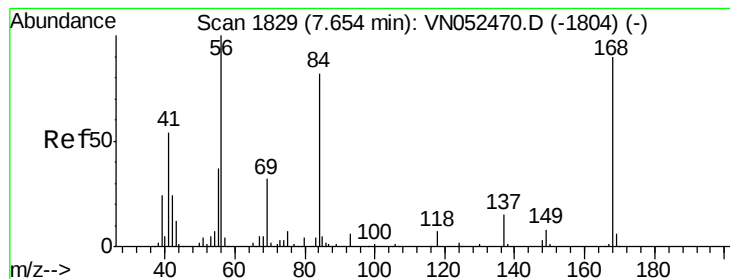
#30
Chloroform
Concen: 19.221 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 83 Resp: 365403
Ion Ratio Lower Upper
83 100
85 65.5 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.572 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

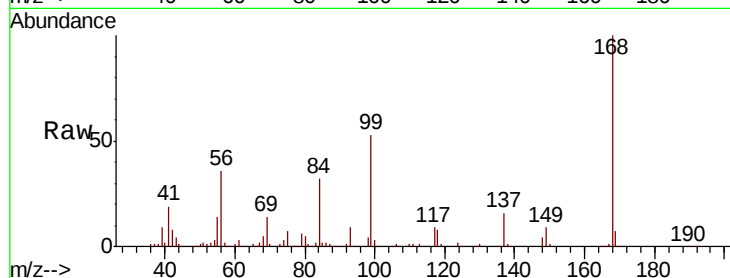
Tot Ion: 56 Resp: 346751

Ion Ratio Lower Upper

56 100

69 39.2 25.8 38.6#

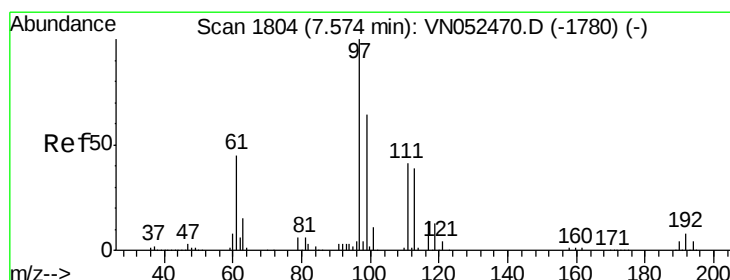
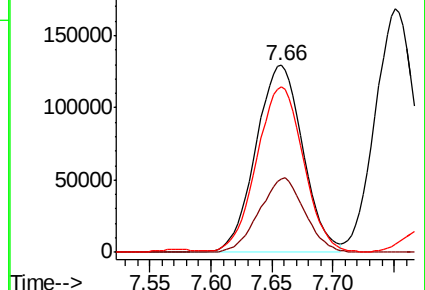
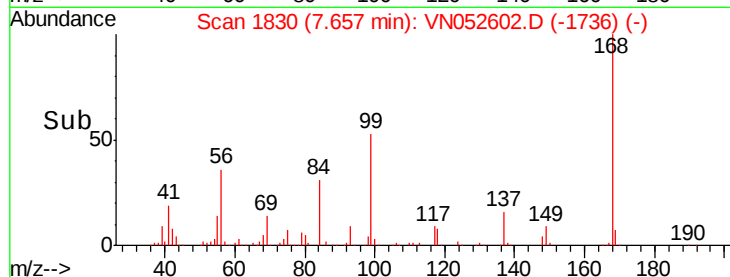
84 87.3 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052602.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052602.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052602.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 20.128 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

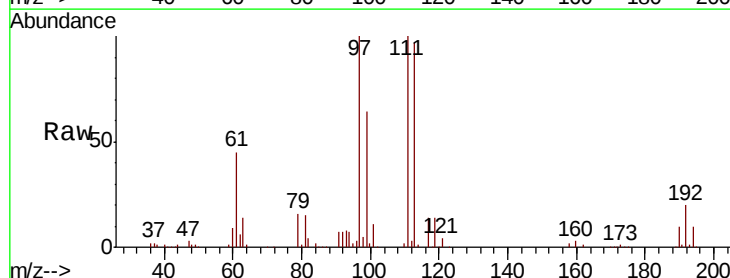
Tgt Ion: 97 Resp: 303167

Ion Ratio Lower Upper

97 100

99 62.9 51.7 77.5

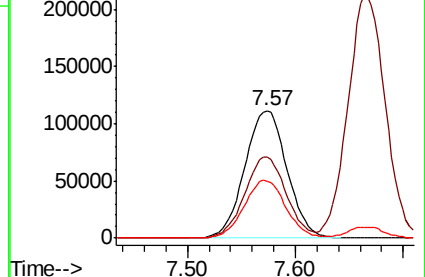
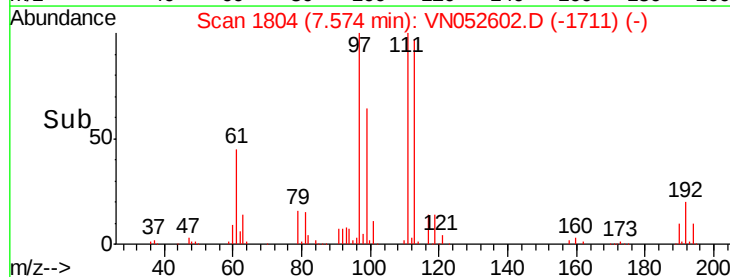
61 45.0 36.8 55.2

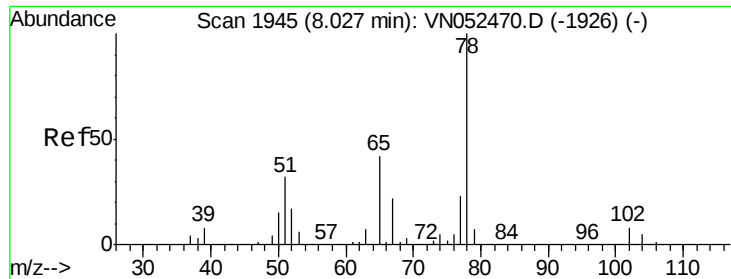


Abundance Ion 96.90 (96.60 to 97.60): VN052602.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052602.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052602.D (-1711) (-)

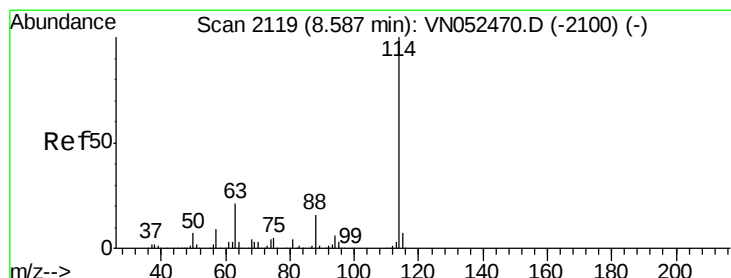
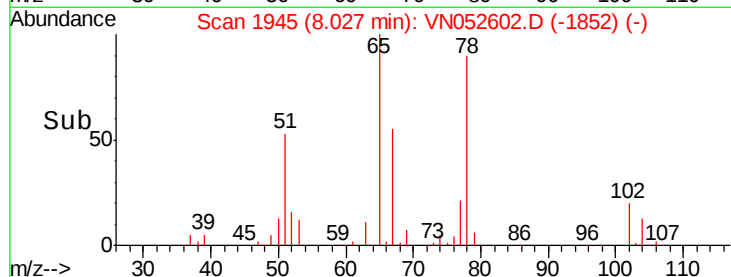
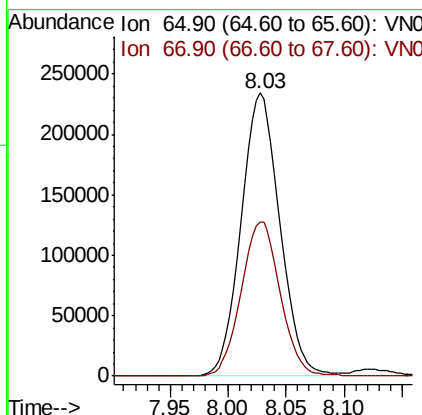
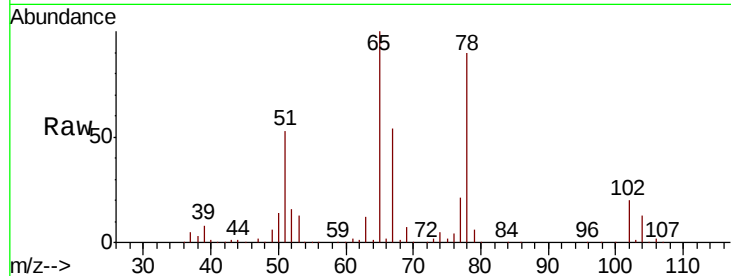




#33
 1,2-Dichloroethane-d4
 Concen: 20.128 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

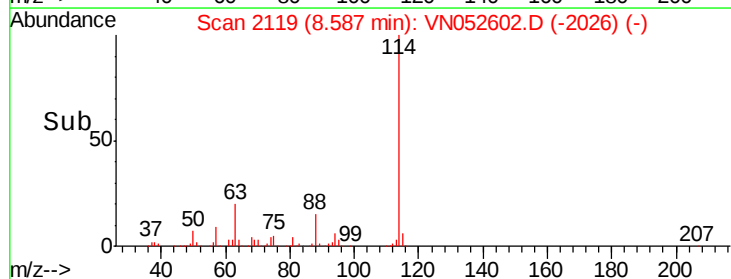
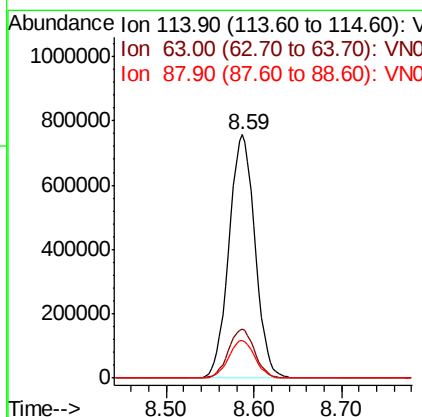
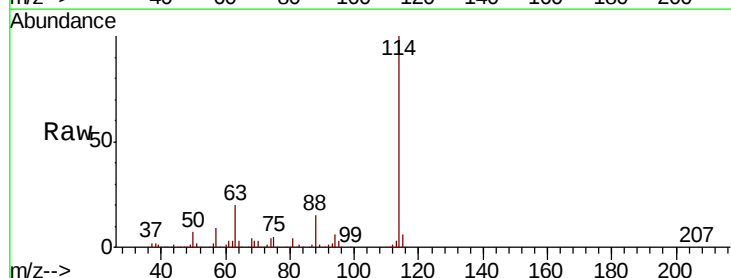
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

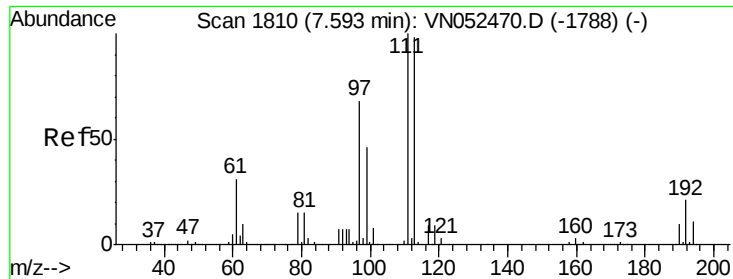
Tot Ion: 65 Resp: 545445
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 114 Resp: 1562106
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.4 0.0 31.6

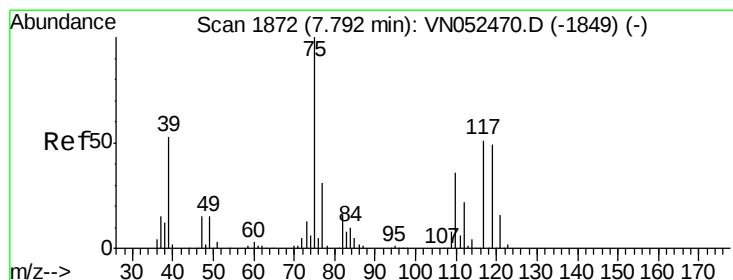
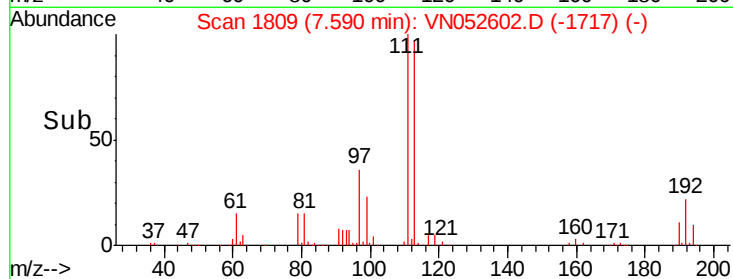
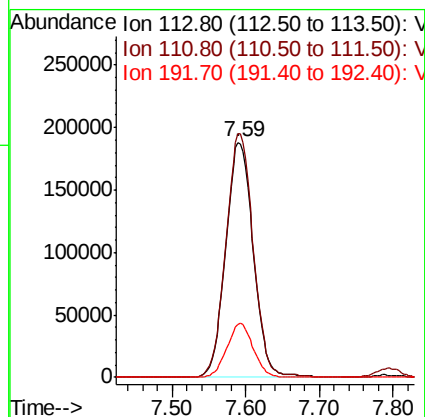
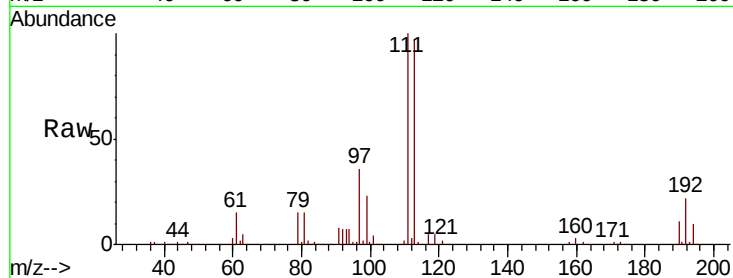




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

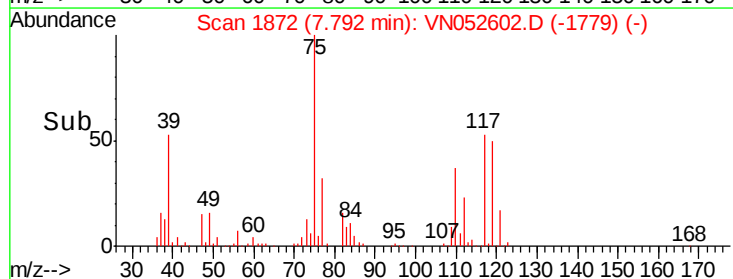
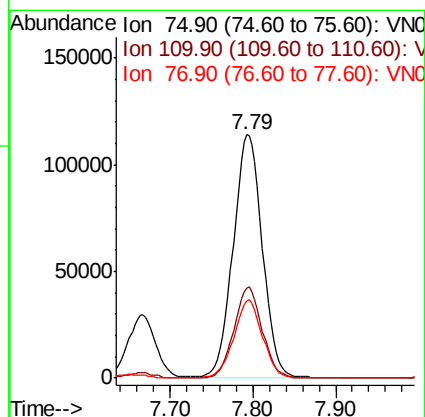
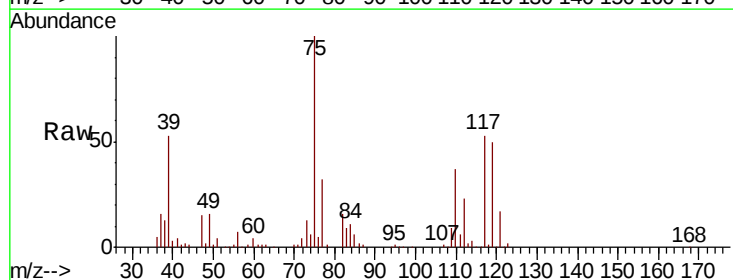
Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

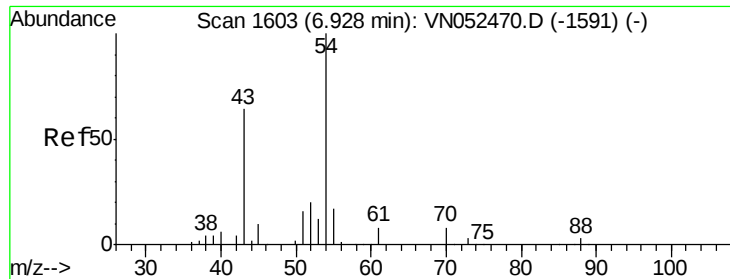
Tot Ion:113 Resp: 488886
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 21.9 17.0 25.6



#36
1,1-Dichloropropene
Concen: 19.005 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 75 Resp: 280344
Ion Ratio Lower Upper
75 100
110 36.0 17.5 52.6
77 31.5 24.5 36.7

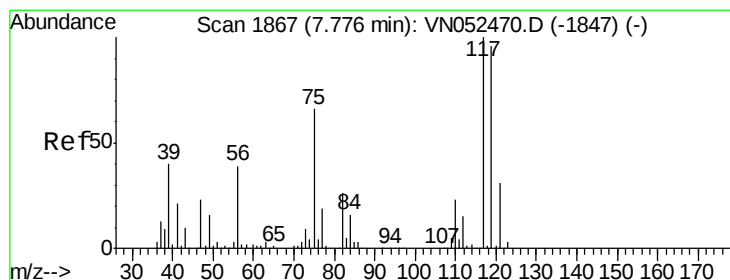
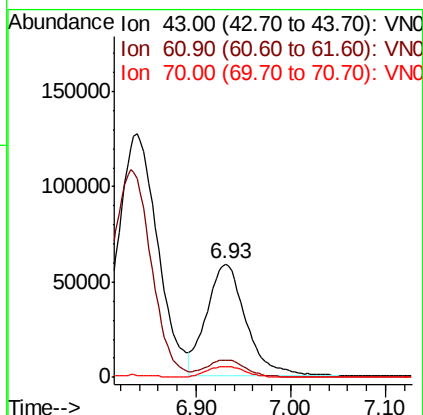
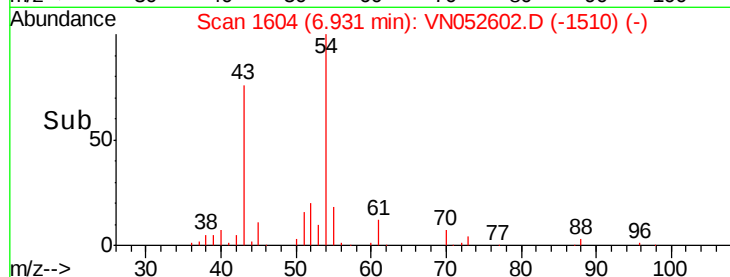
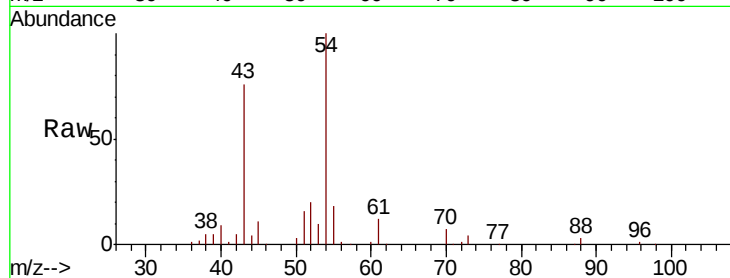




#37
Ethyl Acetate
Concen: 18.939 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

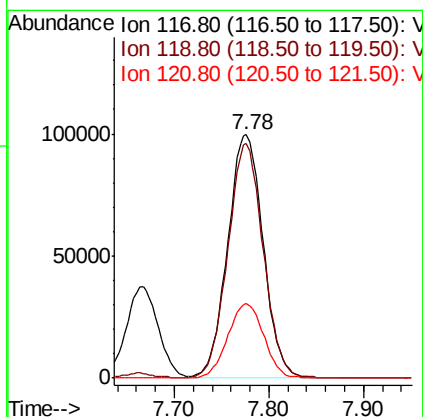
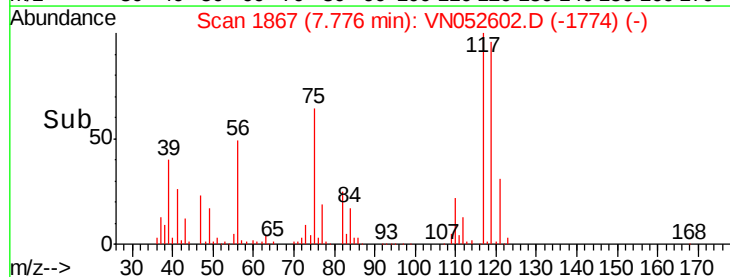
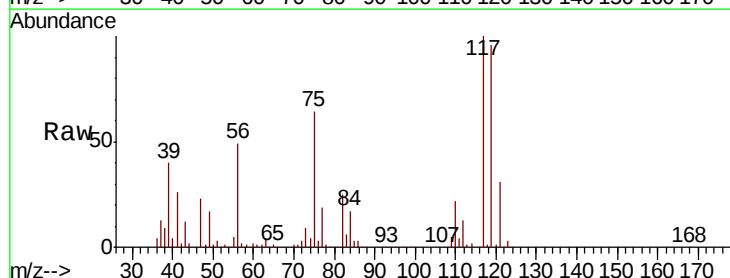
Instrument :
MSVOA_N
ClientSampled :
VN1130WBSD02

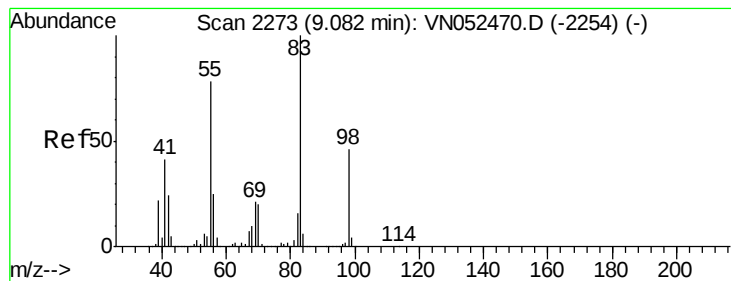
Tot Ion: 43 Resp: 170499
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.8
70 10.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.443 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 117 Resp: 259647
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2
121 30.5 24.9 37.3

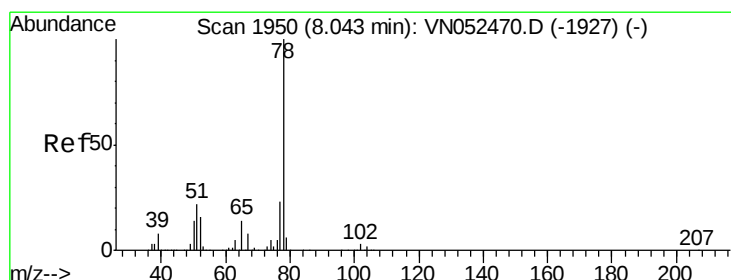
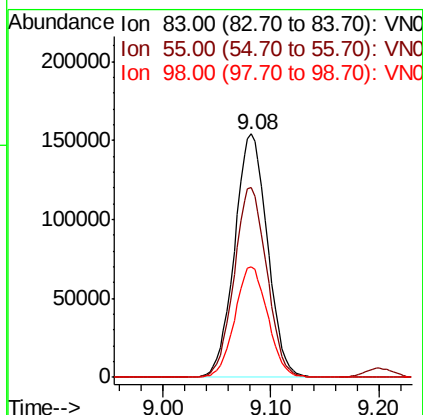
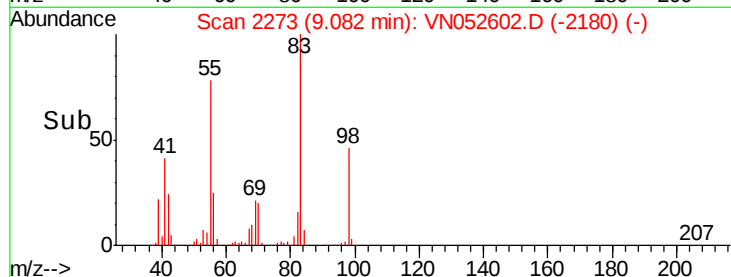
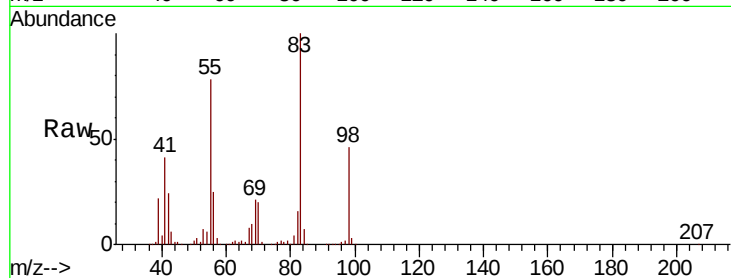




#39
Methvlcvclohexane
Concen: 18.226 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

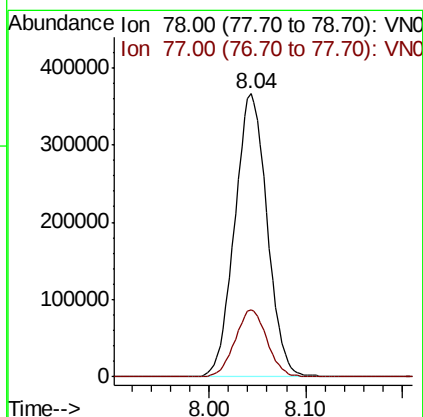
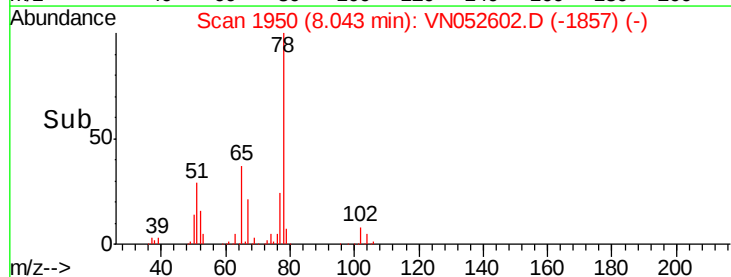
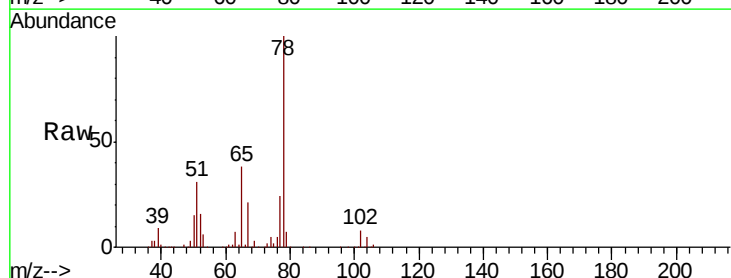
Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

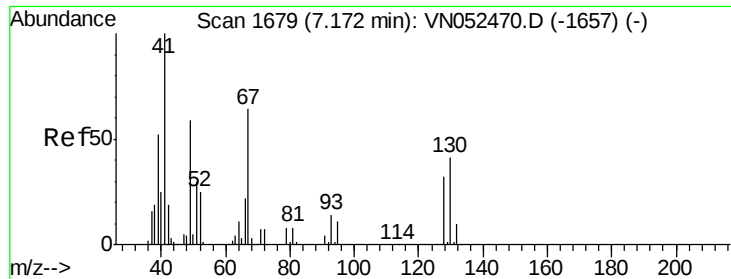
Tot Ion: 83 Resp: 326795
Ion Ratio Lower Upper
83 100
55 77.7 62.2 93.2
98 45.6 36.4 54.6



#40
Benzene
Concen: 19.391 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 78 Resp: 852455
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

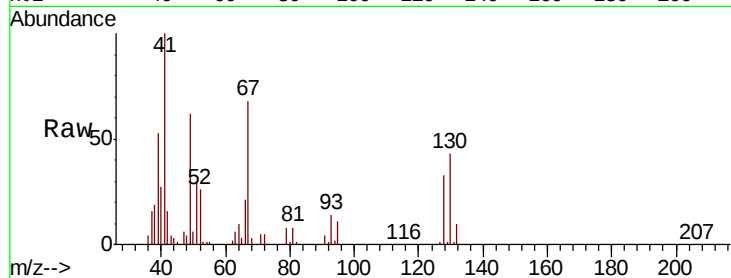




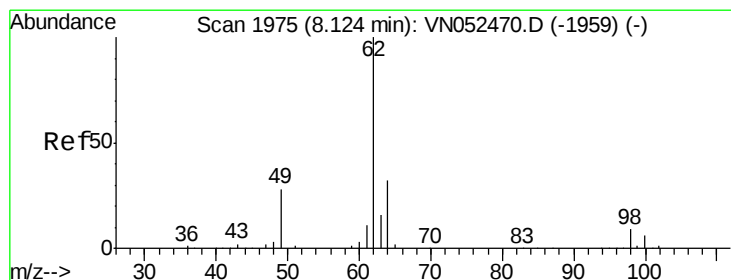
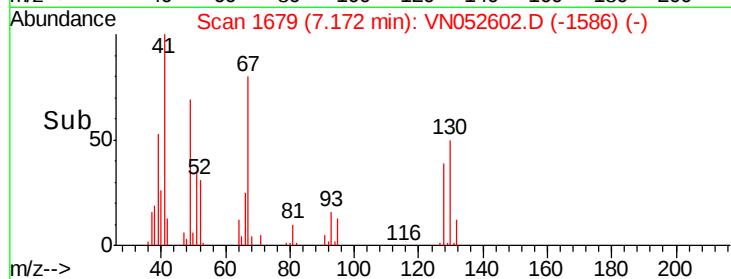
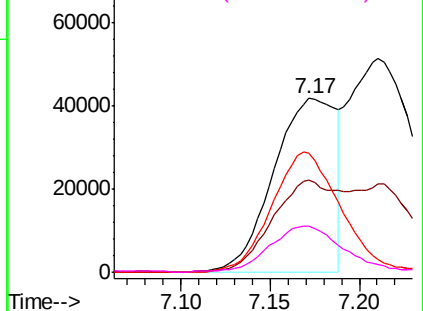
#41
Methacrylonitrile
Concen: 20.564 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

Tot Ion:	41	Resp:	101213
Ion	Ratio	Lower	Upper
41	100		
39	59.8	50.9	76.3
67	77.2	63.6	95.4
52	31.8	24.4	36.6

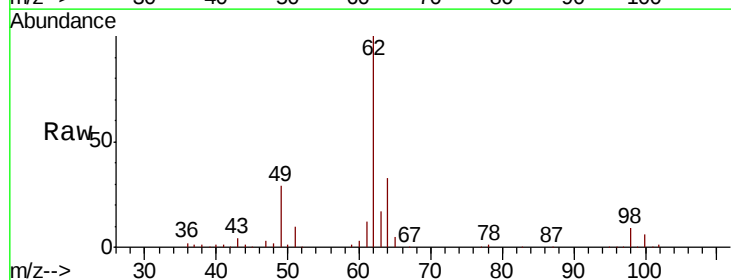


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

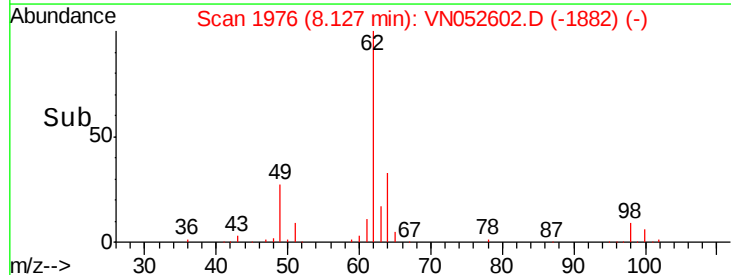
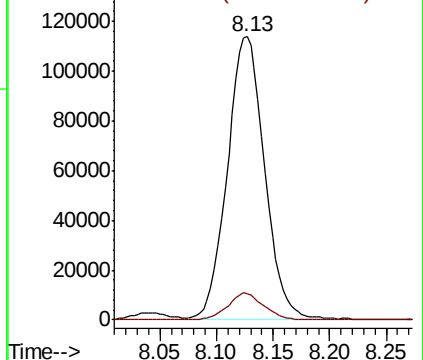


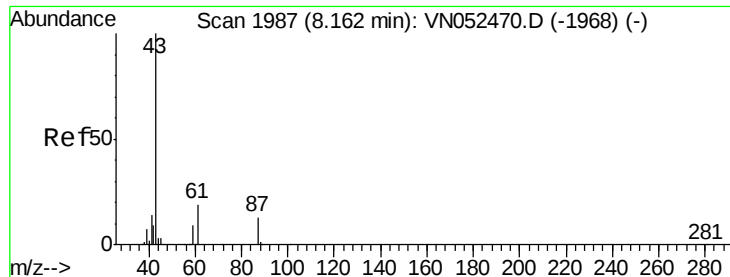
#42
1,2-Dichloroethane
Concen: 19.463 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion:	62	Resp:	259078
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 19.892 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

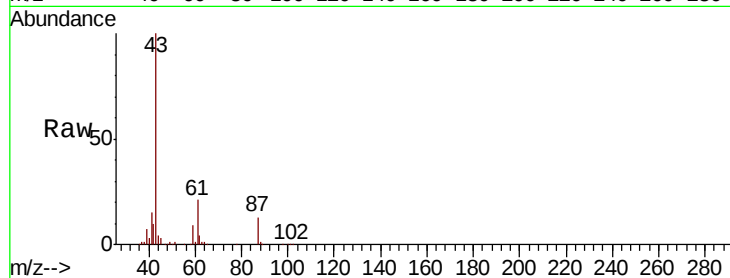
Tot Ion: 43 Resp: 303053

Ion Ratio Lower Upper

43 100

61 29.1 24.1 36.1

87 12.9 10.6 15.8

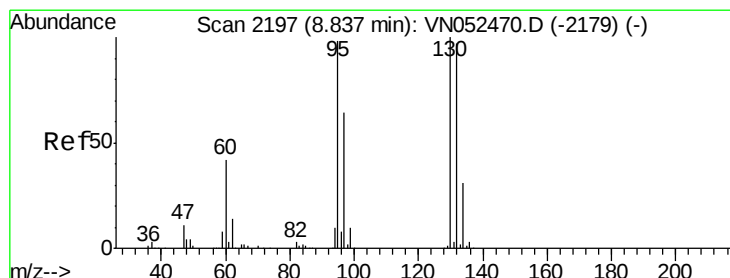
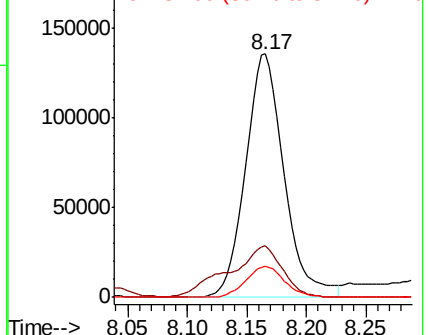
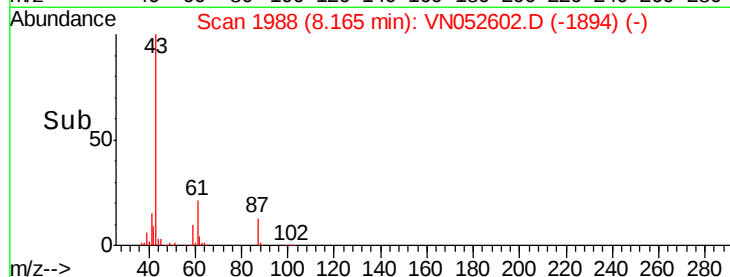


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 19.538 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052602.D

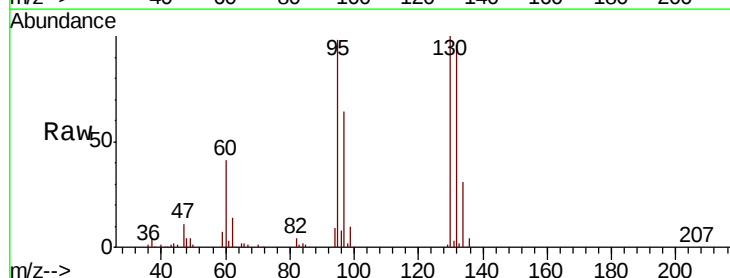
Acq: 30 Nov 2018 13:08

Tgt Ion:130 Resp: 220016

Ion Ratio Lower Upper

130 100

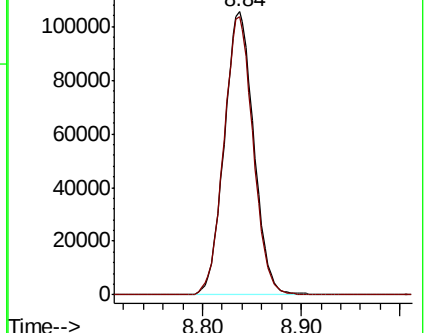
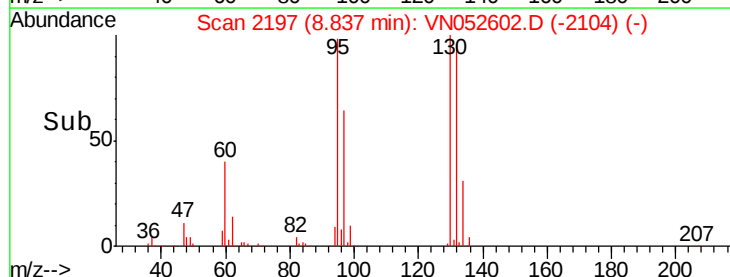
95 98.4 0.0 195.6

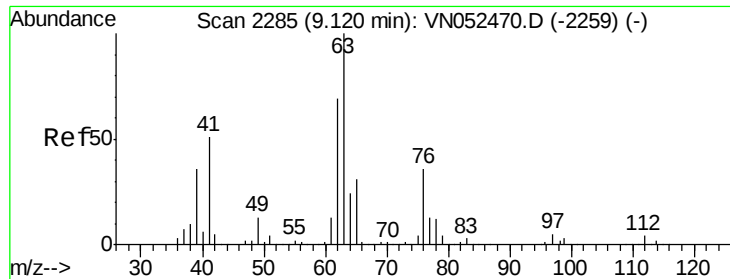


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.277 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

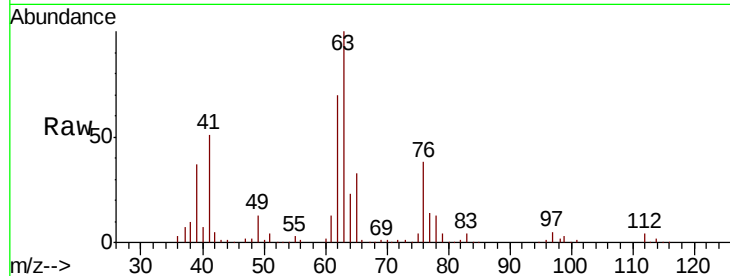
VN1130WBSD02

Tot Ion: 63 Resp: 225306

Ion Ratio Lower Upper

63 100

65 32.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

120000

100000

80000

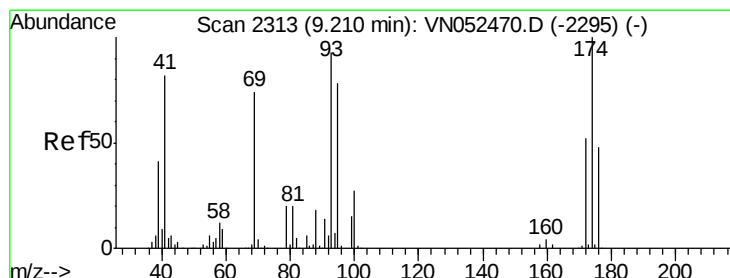
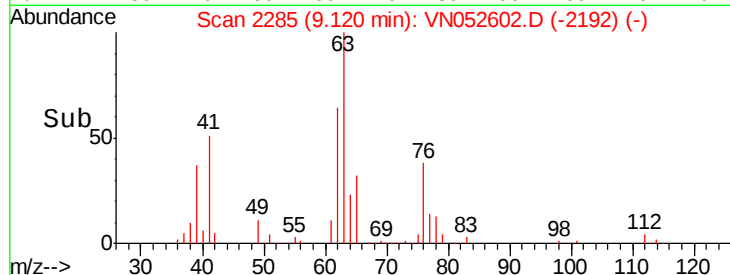
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 19.929 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

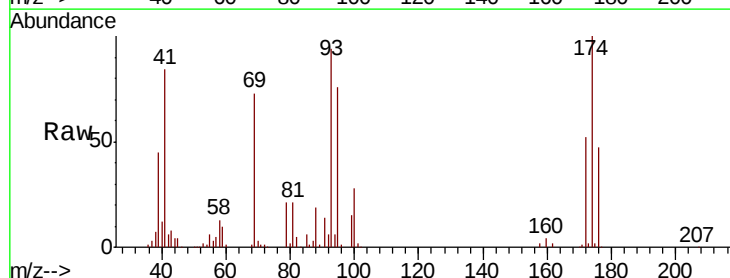
Tgt Ion: 93 Resp: 128944

Ion Ratio Lower Upper

93 100

95 82.6 67.1 100.7

174 107.3 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

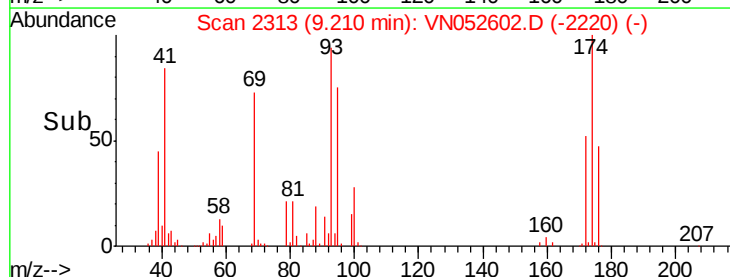
60000

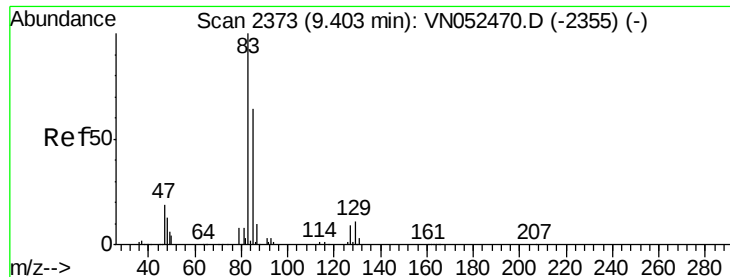
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 19.373 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

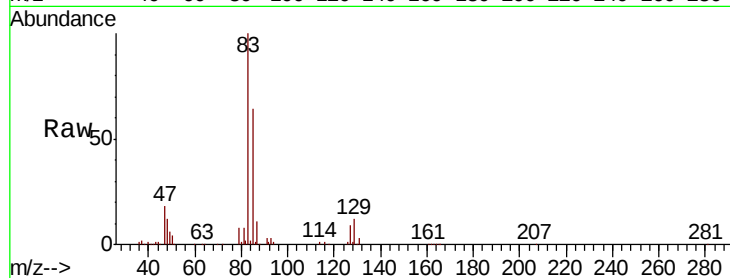
Tot Ion: 83 Resp: 272533

Ion Ratio Lower Upper

83 100

85 64.4 51.3 76.9

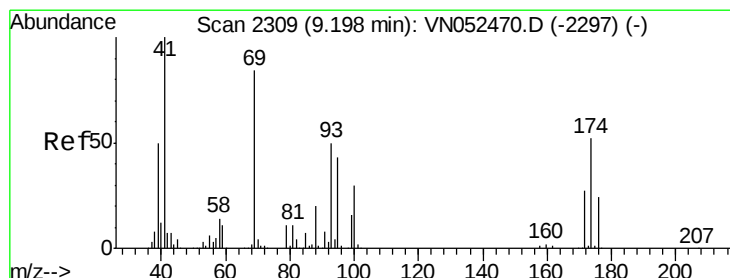
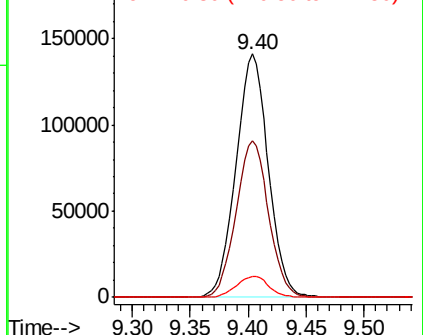
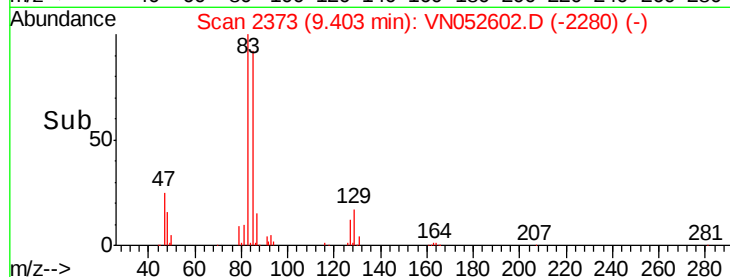
127 8.7 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN052602.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052602.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052602.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.882 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

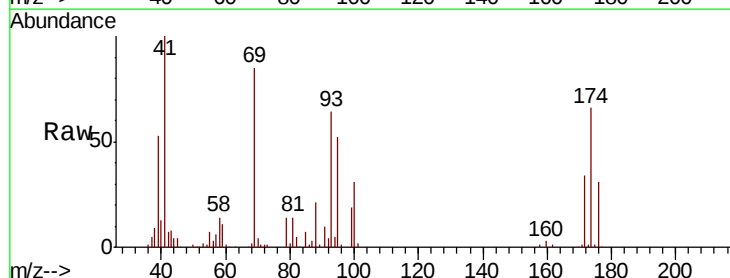
Tgt Ion: 41 Resp: 149997

Ion Ratio Lower Upper

41 100

69 88.9 70.0 105.0

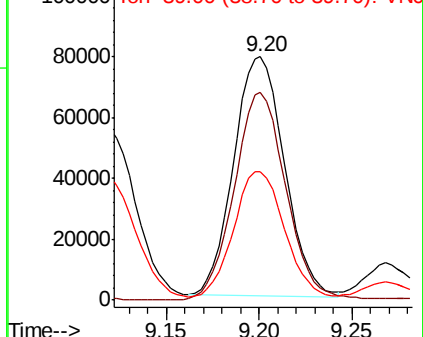
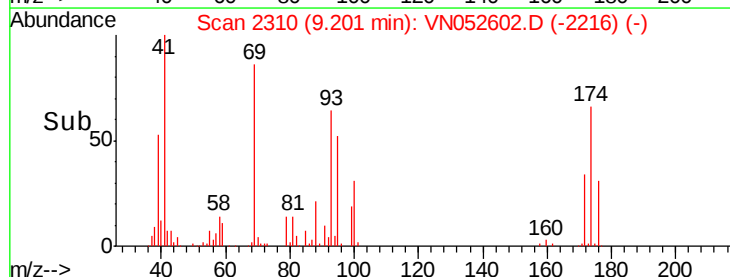
39 54.5 42.6 64.0

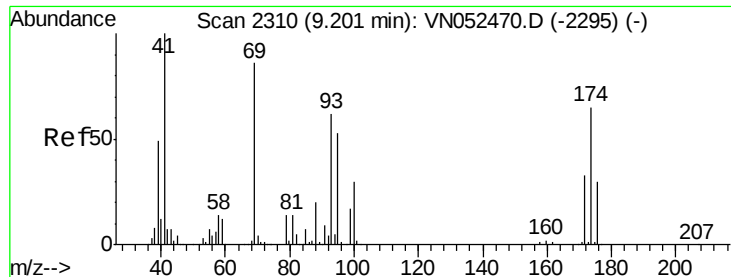


Abundance Ion 41.00 (40.70 to 41.70): VN052602.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052602.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052602.D (-2216) (-)

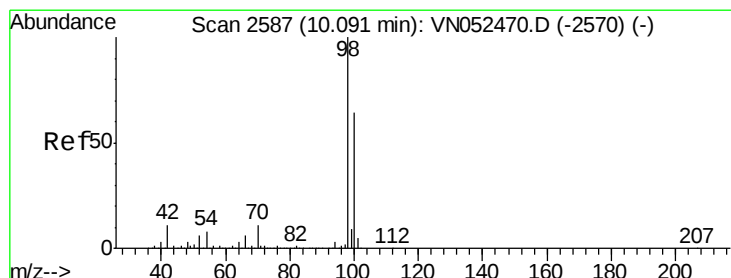
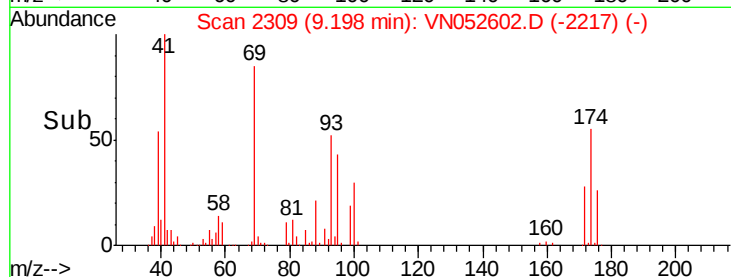
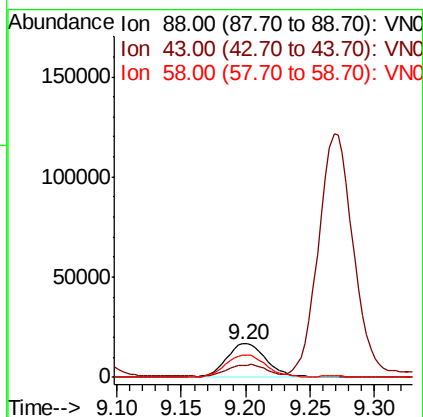
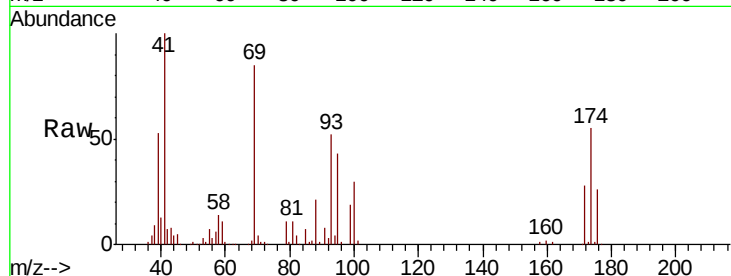




#49
1,4-Dioxane
Concen: 439.488 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

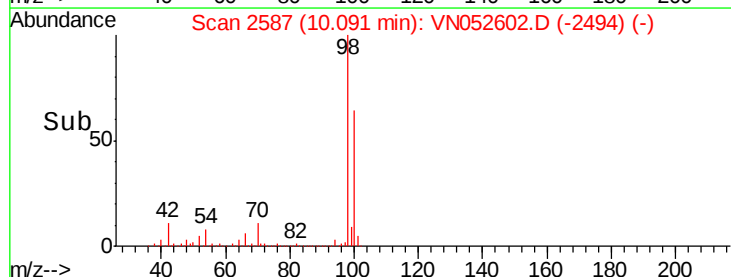
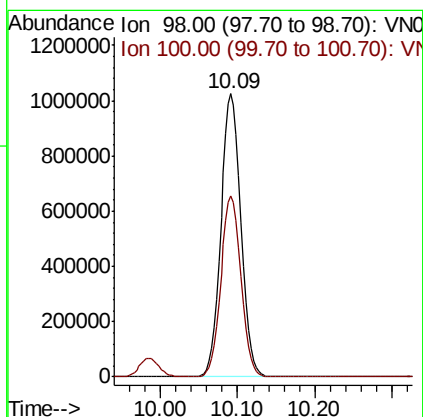
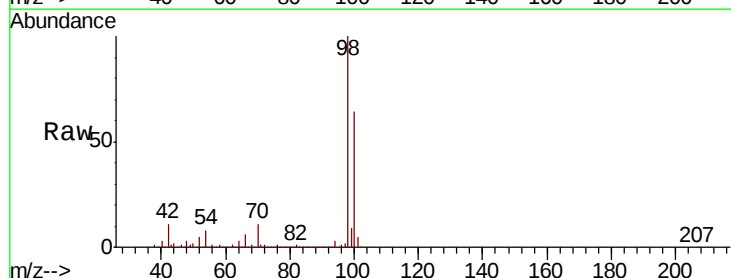
Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

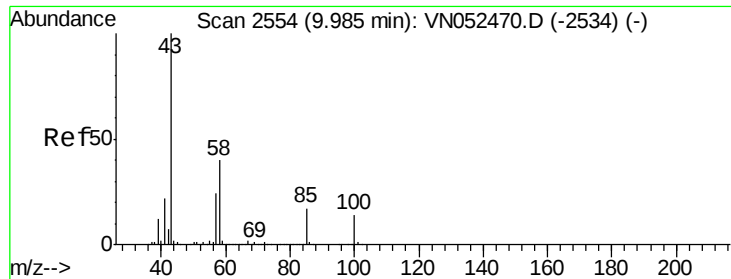
Tot Ion: 88 Resp: 36234
Ion Ratio Lower Upper
88 100
43 33.9 26.4 39.6
58 67.5 55.4 83.0



#50
Toluene-d8
Concen: 439.488 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 98 Resp: 1843007
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 97.169 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

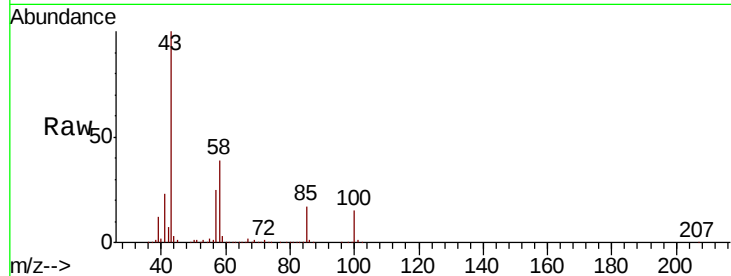
VN1130WBSD02

Tot Ion: 43 Resp: 830605

Ion Ratio Lower Upper

43 100

58 39.6 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

9.99

400000

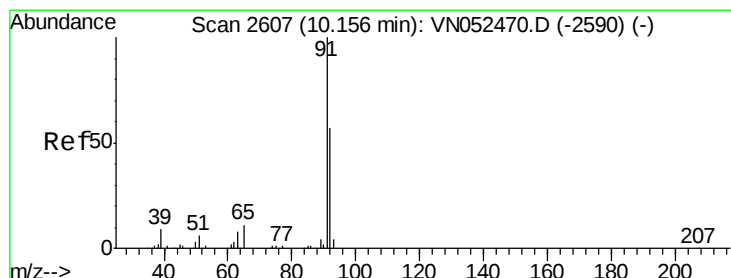
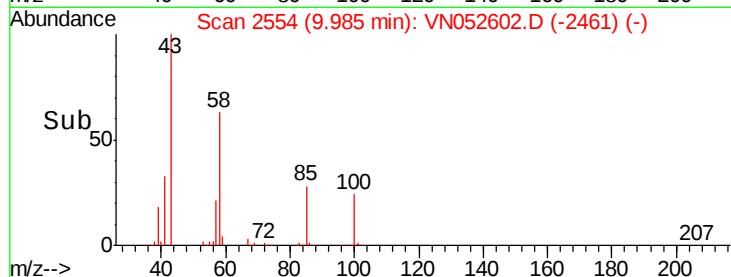
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.731 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052602.D

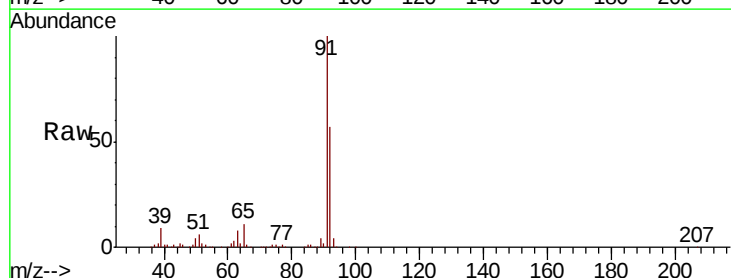
Acq: 30 Nov 2018 13:08

Tgt Ion: 92 Resp: 515357

Ion Ratio Lower Upper

92 100

91 175.3 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-2590) (-)

10.16

600000

500000

400000

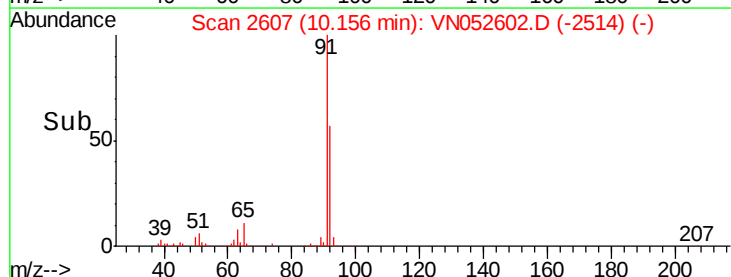
300000

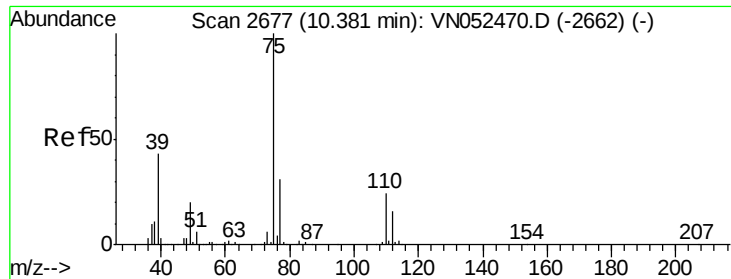
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.344 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

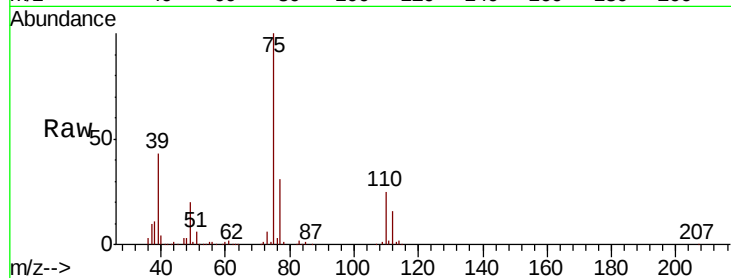
VN1130WBSD02

Tot Ion: 75 Resp: 261788

Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

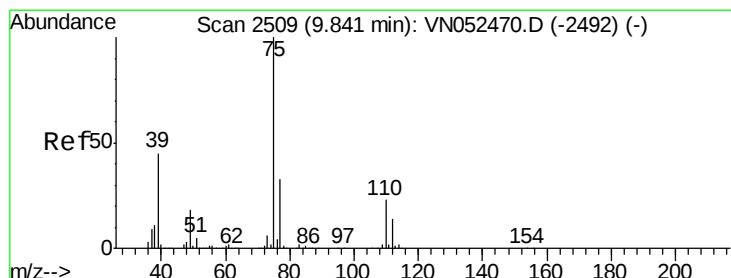
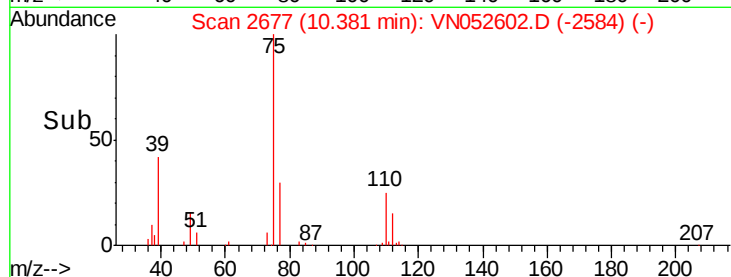
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.637 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

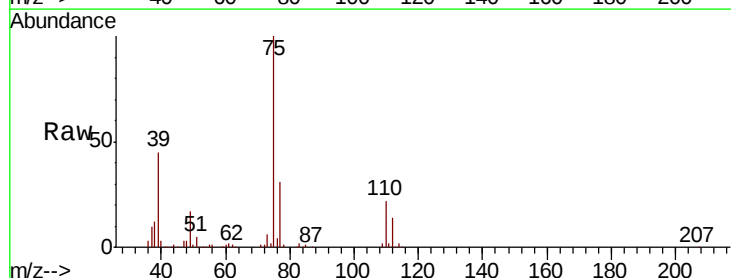
Tgt Ion: 75 Resp: 318463

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2

39 44.8 36.0 54.0



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

9.84

200000

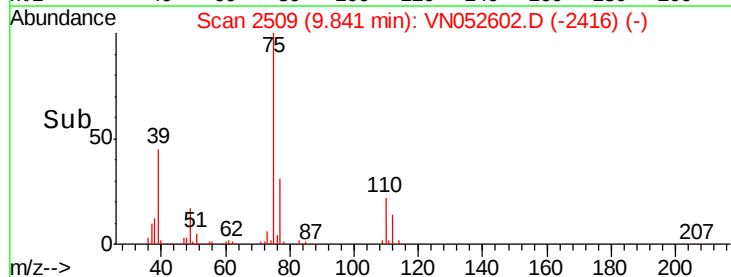
150000

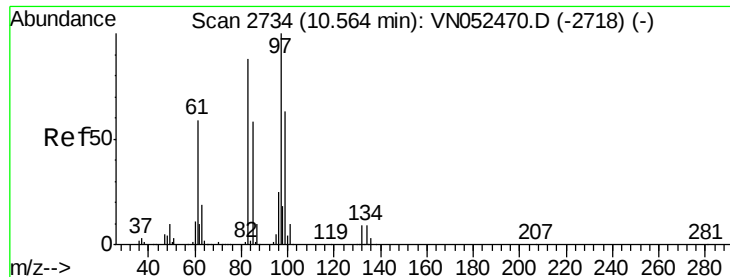
100000

50000

0

Time-->

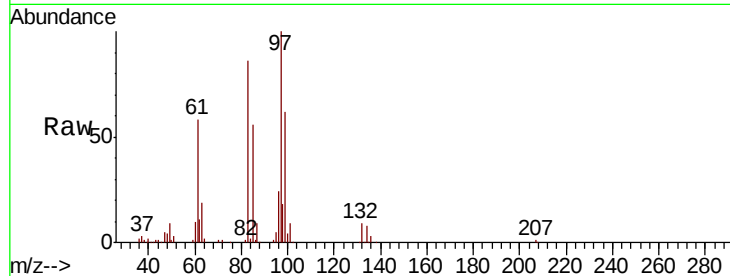




#55
 1,1,2-Trichloroethane
 Concen: 20.099 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.1	70.7	106.1
85	55.8	46.1	69.1
99	61.6	50.8	76.2



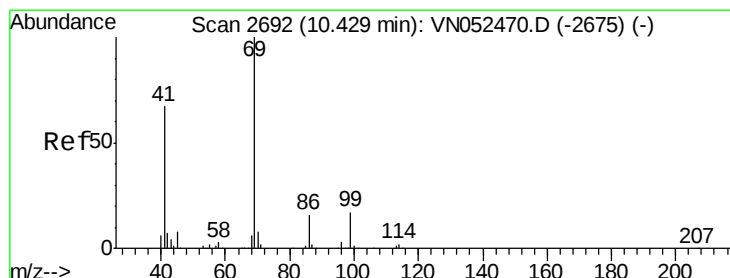
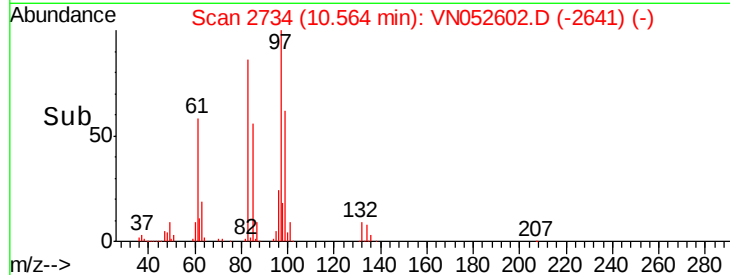
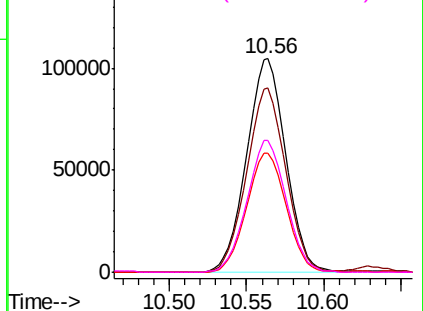
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

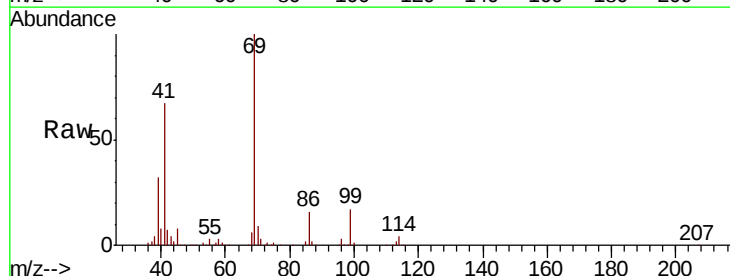
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 19.690 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.6	79.0
39	31.9	25.9	38.9

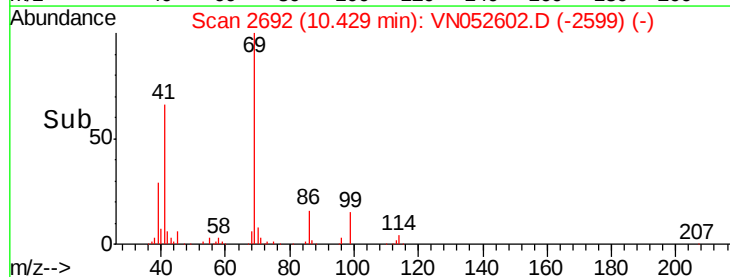
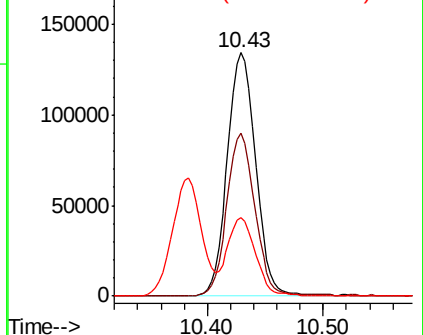


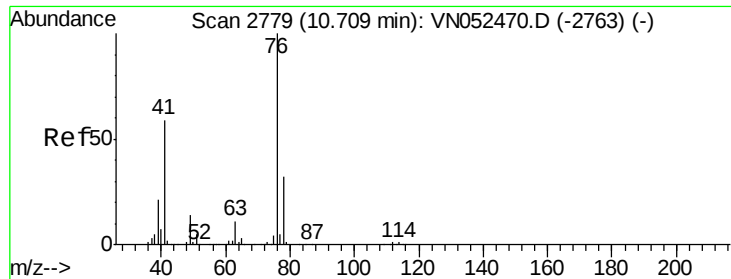
Abundance

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

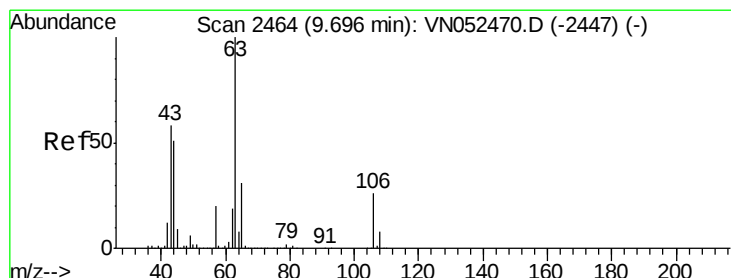
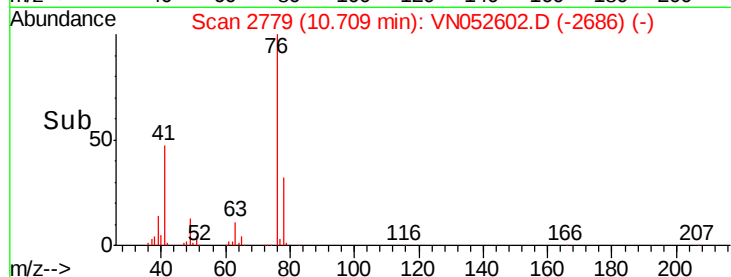
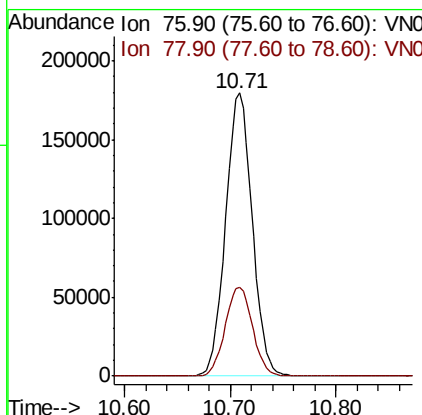
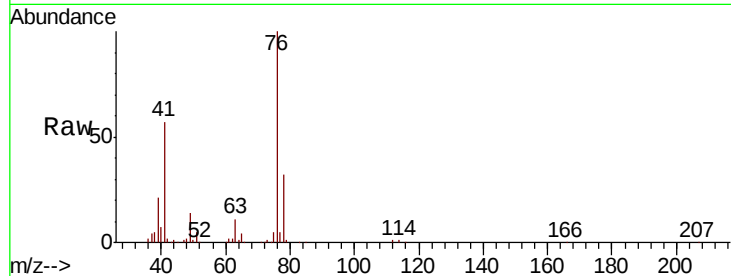




#57
 1,3-Dichloropropane
 Concen: 19.315 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

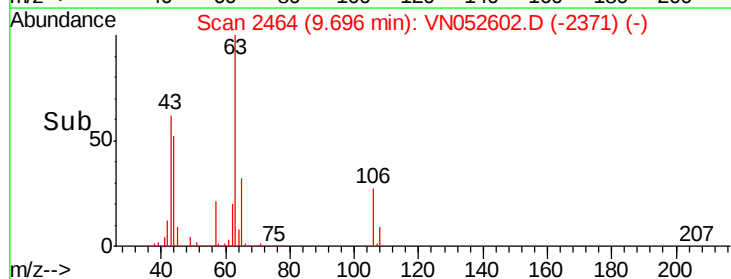
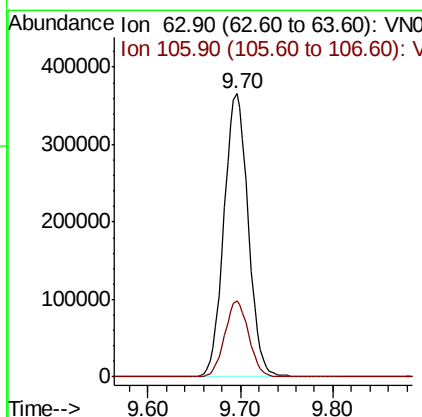
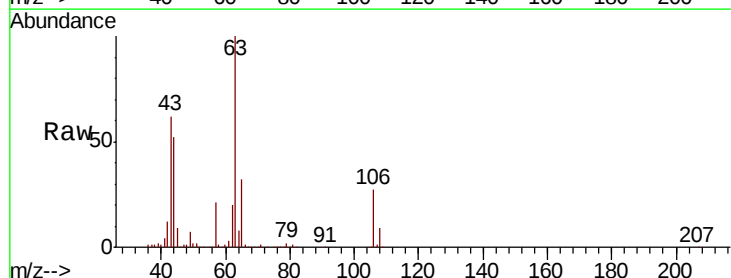
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

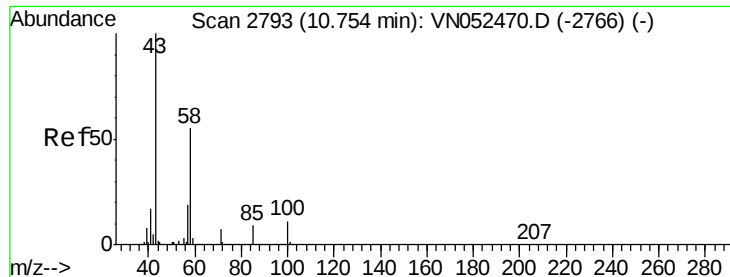
Tot Ion: 76 Resp: 313341
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.636 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 63 Resp: 664257
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.6 30.8

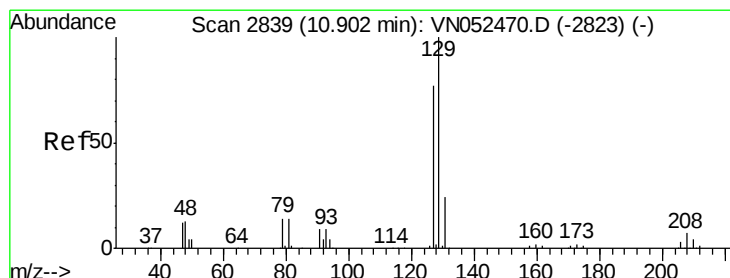
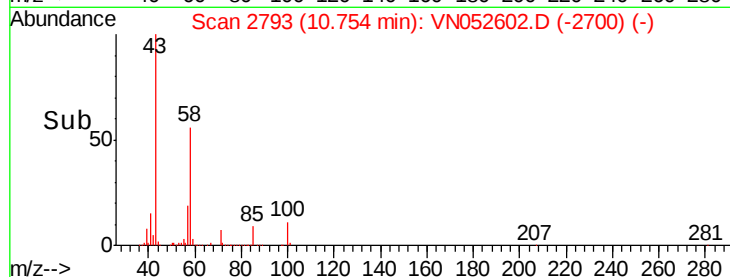
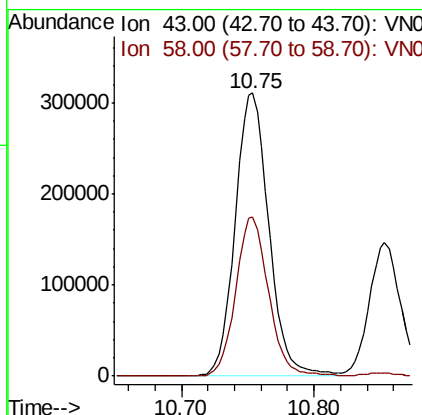
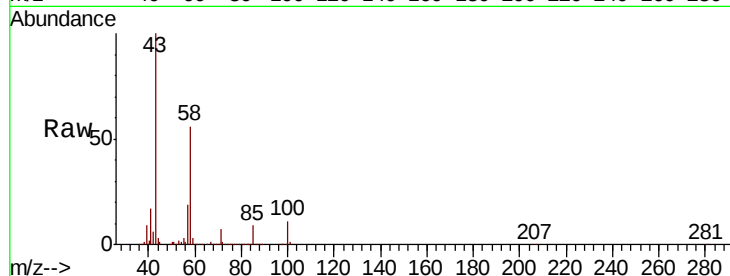




#59
2-Hexanone
Concen: 95.150 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

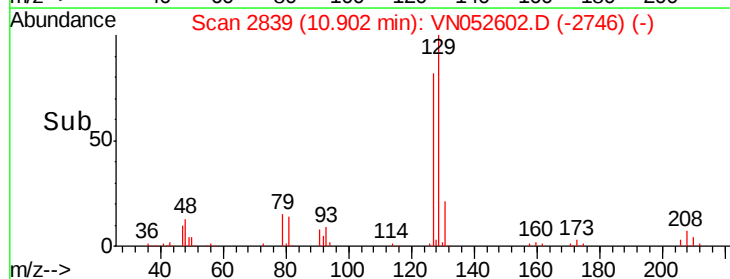
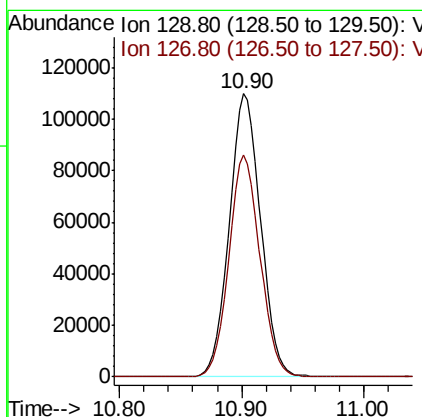
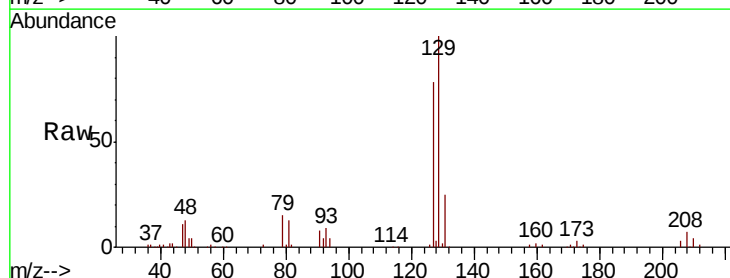
Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

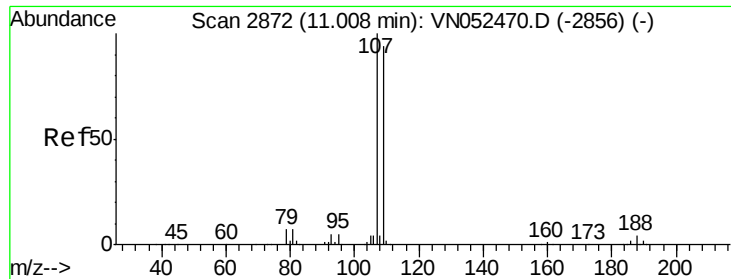
Tot Ion: 43 Resp: 545880
Ion Ratio Lower Upper
43 100
58 54.9 27.4 82.0



#60
Dibromochloromethane
Concen: 19.649 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 129 Resp: 196070
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6

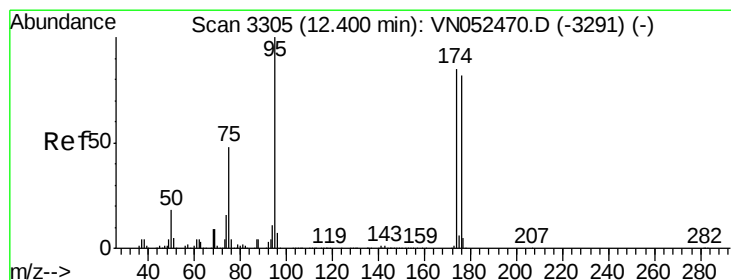
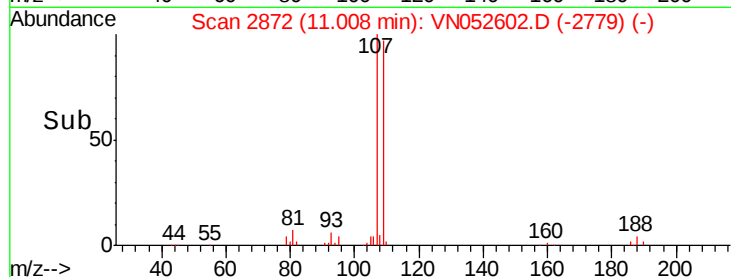
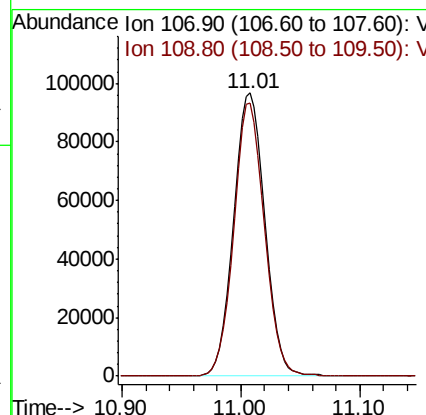
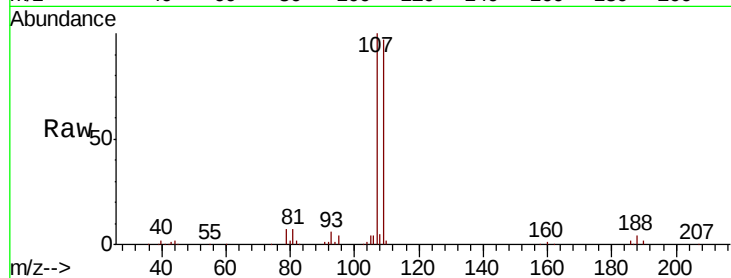




#61
 1,2-Dibromoethane
 Concen: 19.287 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

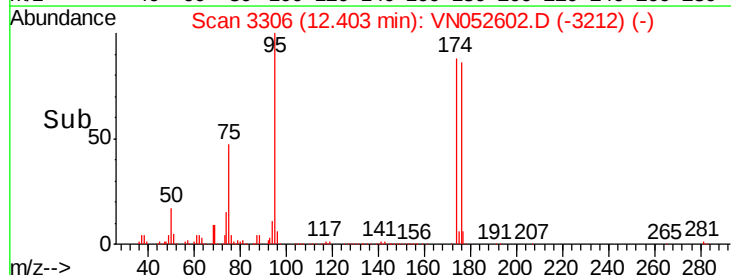
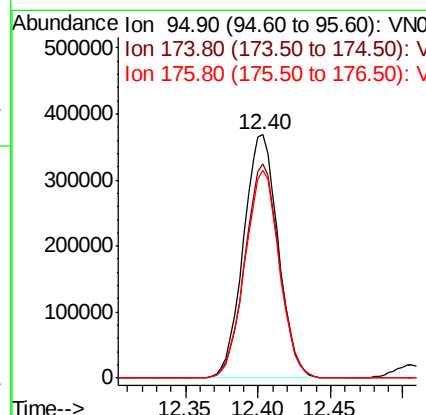
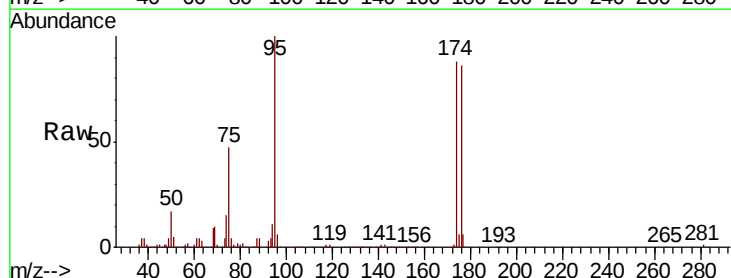
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

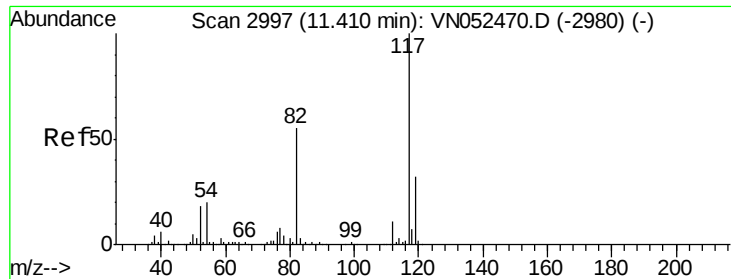
Tot Ion:107 Resp: 175999
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 19.287 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 95 Resp: 614984
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 173.0
 176 84.4 0.0 166.2

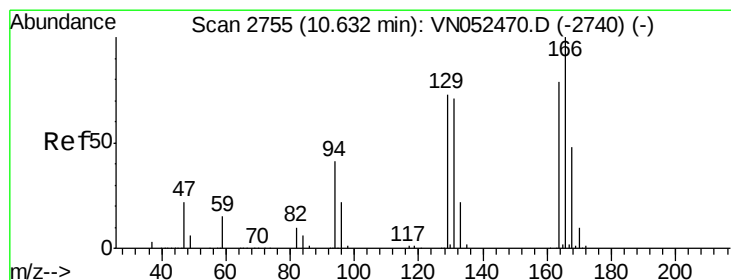
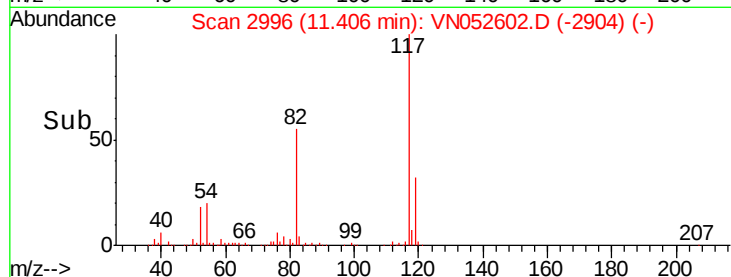
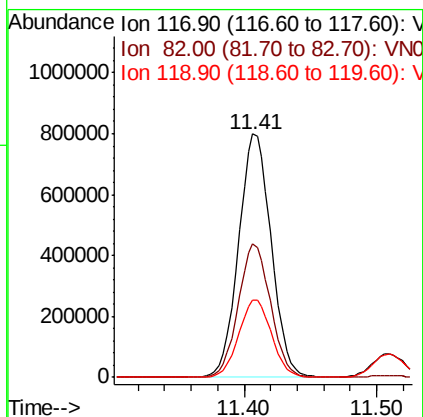
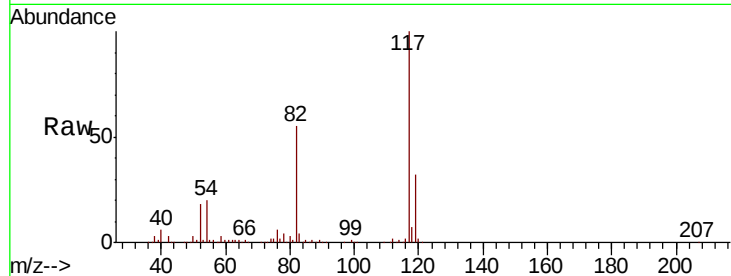




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

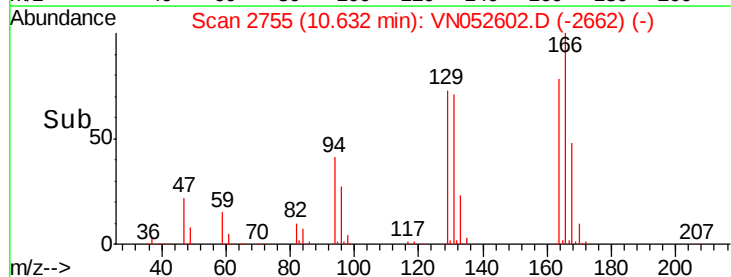
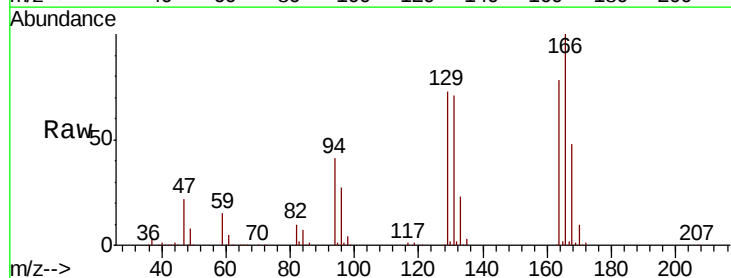
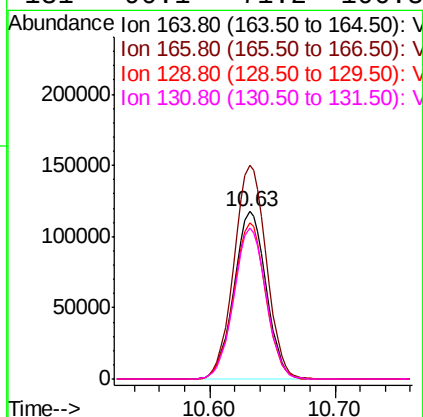
Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

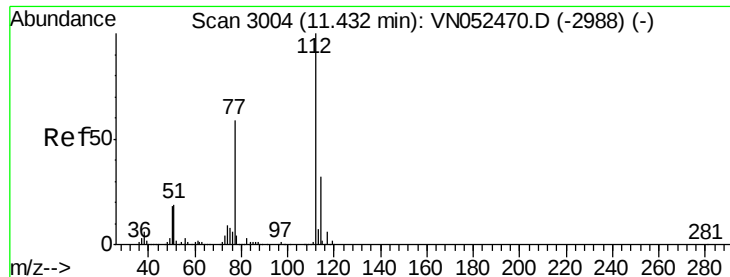
Tot Ion:117 Resp: 1361661
Ion Ratio Lower Upper
117 100
82 54.6 43.6 65.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 19.777 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion:164 Resp: 208792
Ion Ratio Lower Upper
164 100
166 127.8 101.0 151.4
129 93.2 73.8 110.6
131 90.1 71.2 106.8

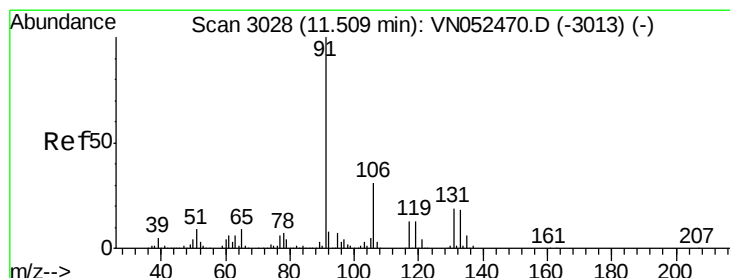
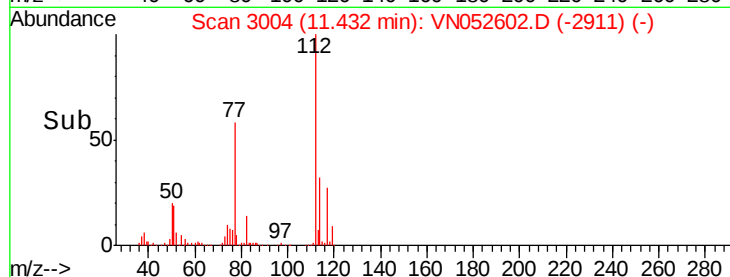
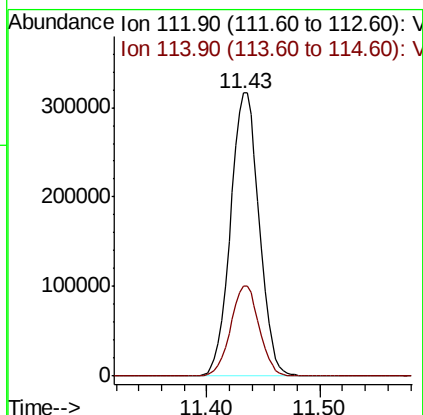
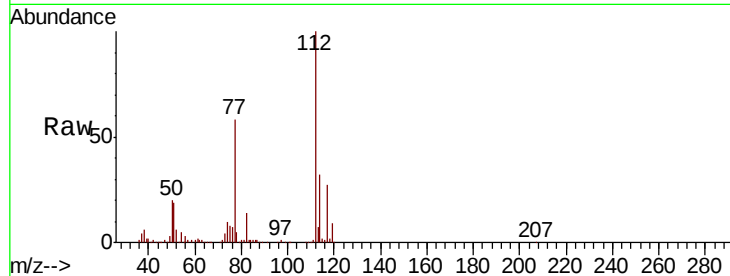




#65
Chlorobenzene
Concen: 19.854 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

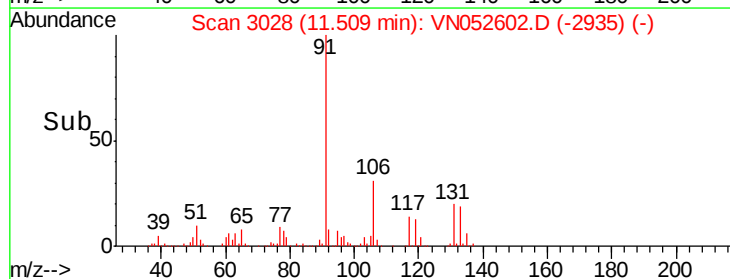
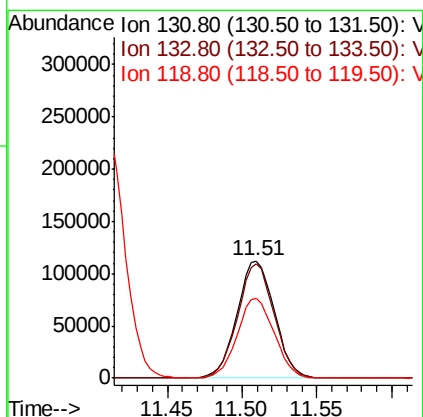
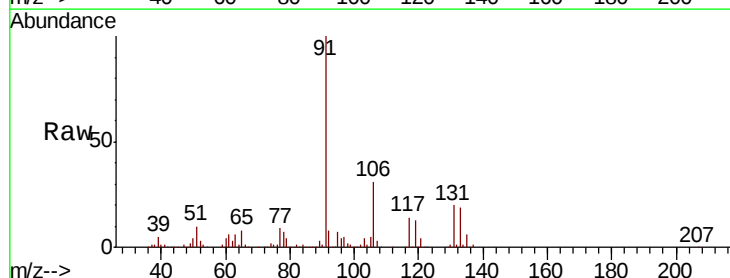
Instrument :
MSVOA_N
ClientSampleId :
VN1130WBSD02

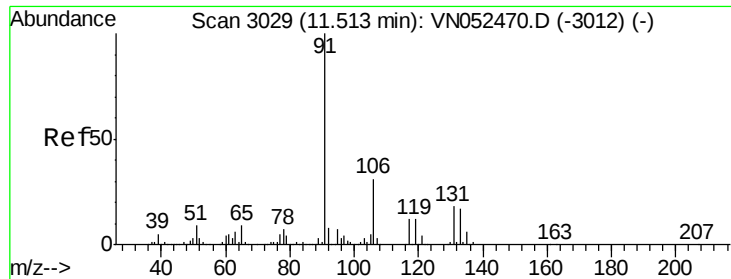
Tot Ion:112 Resp: 557449
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.987 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion:131 Resp: 195129
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.8
119 67.1 33.2 99.6

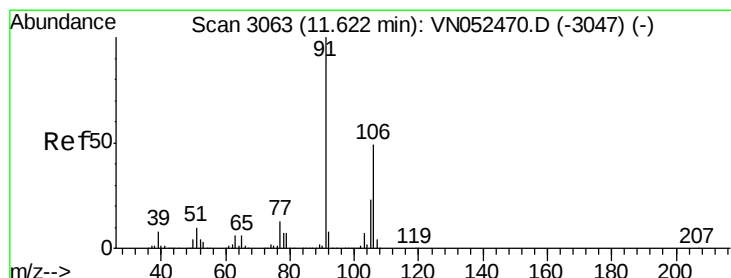
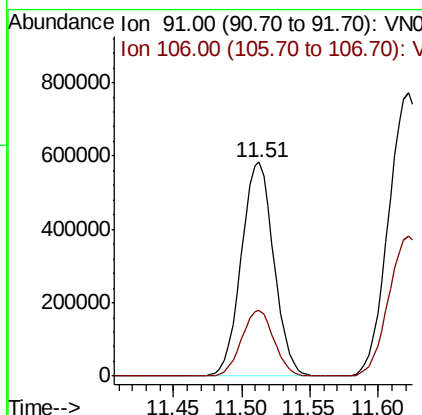
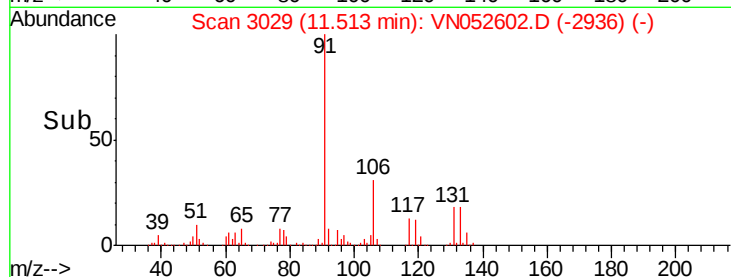
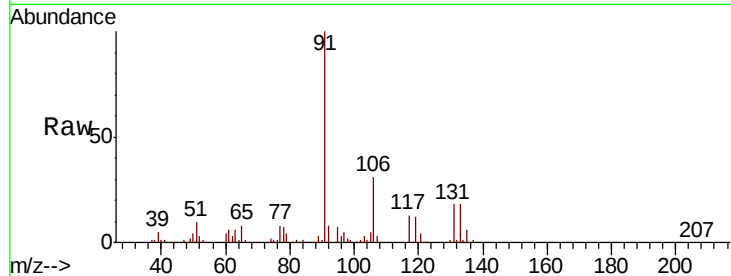




#67
Ethyl Benzene
Concen: 19.606 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

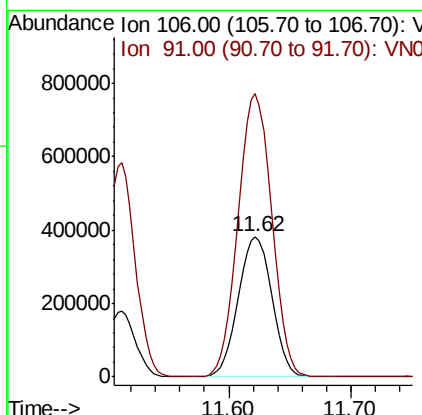
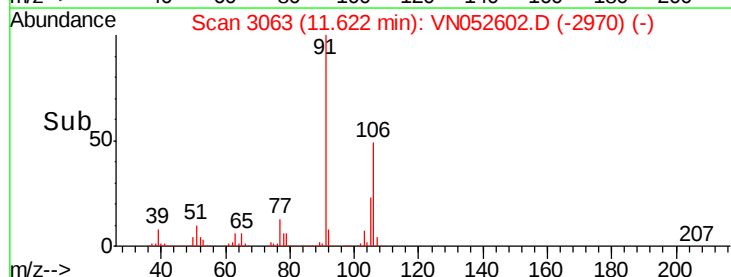
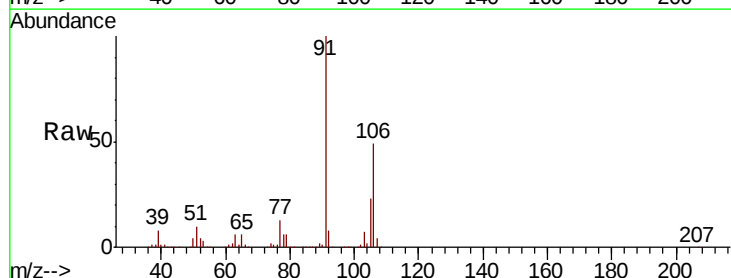
Instrument :
MSVOA_N
ClientSampled :
VN1130WBSD02

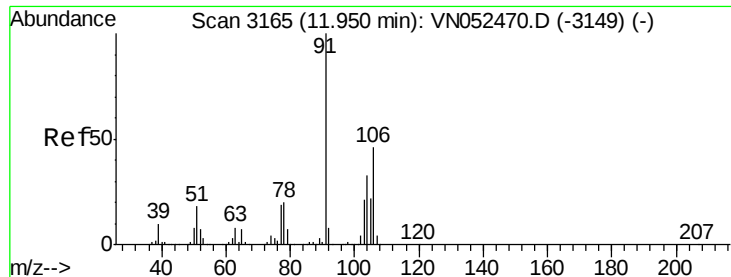
Tot Ion: 91 Resp: 964000
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 39.720 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion: 106 Resp: 727041
Ion Ratio Lower Upper
106 100
91 202.8 163.2 244.8

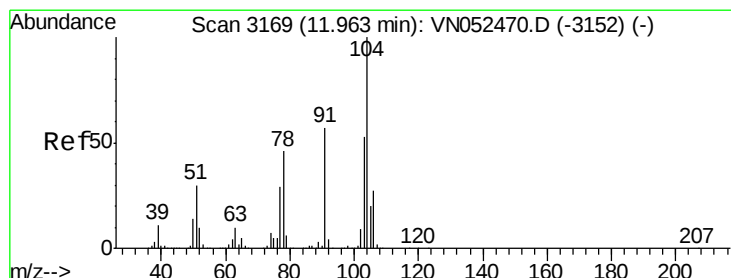
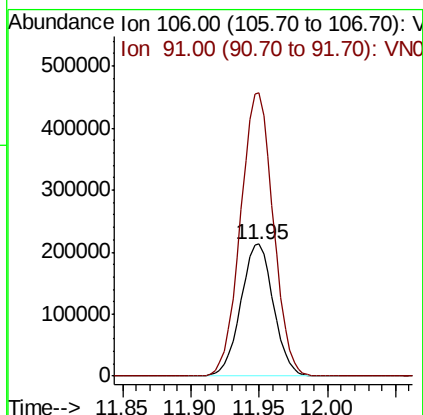
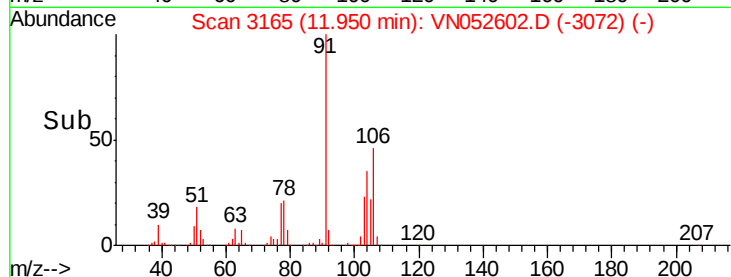
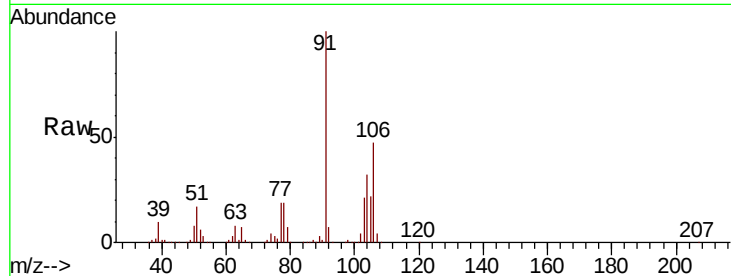




#69
o-Xylene
Concen: 19.917 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

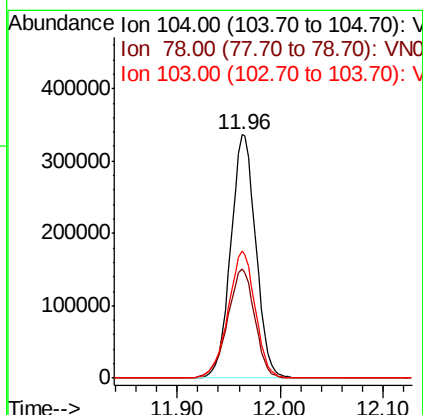
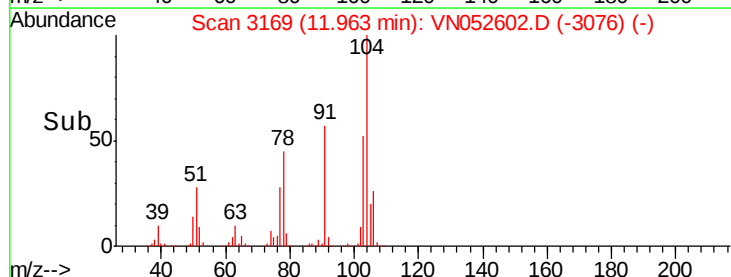
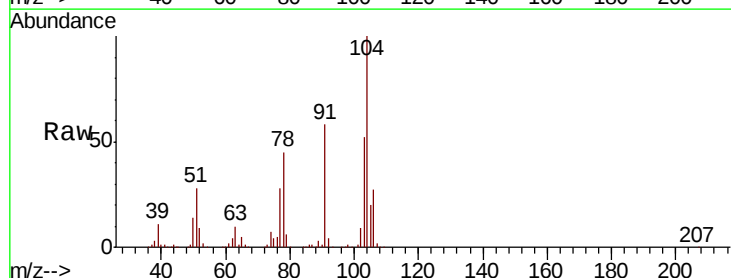
Instrument :
MSVOA_N
ClientSampled :
VN1130WBSD02

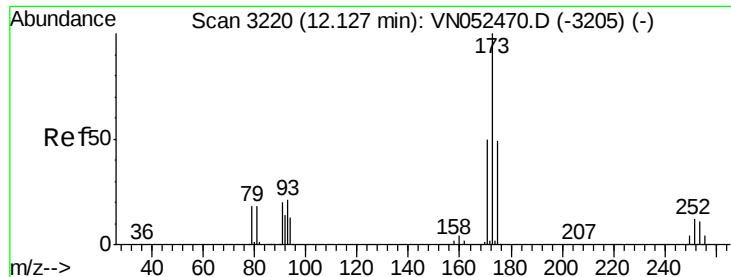
Tot Ion:106 Resp: 354019
Ion Ratio Lower Upper
106 100
91 215.0 107.7 323.1



#70
Styrene
Concen: 20.117 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052602.D
Acq: 30 Nov 2018 13:08

Tgt Ion:104 Resp: 569538
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.2
103 56.3 44.9 67.3





#71

Bromoform

Concen: 19.721 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

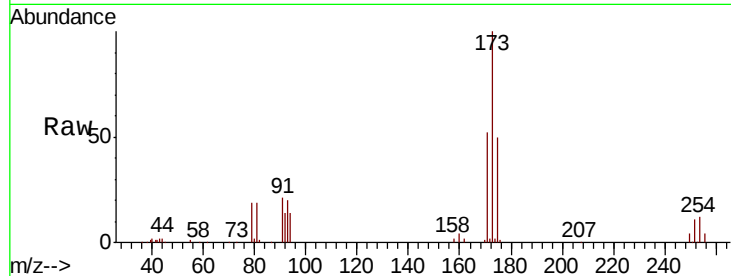
Tot Ion:173 Resp: 127479

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.2

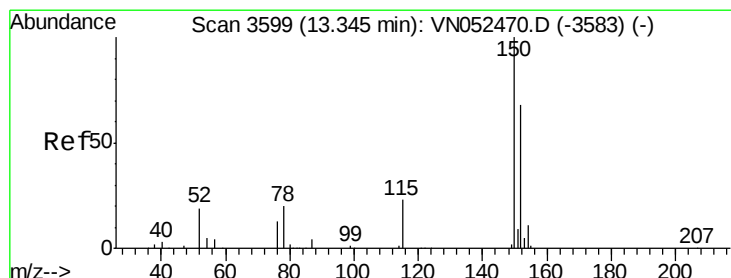
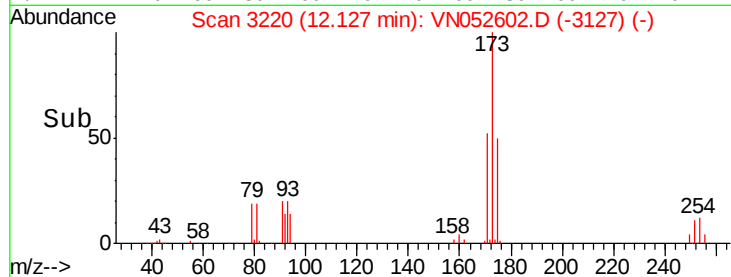
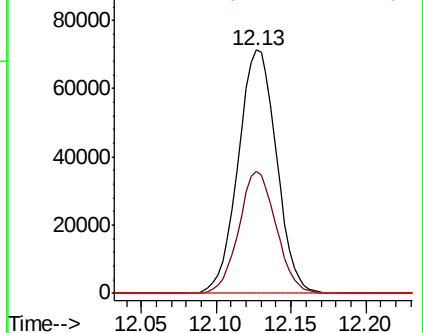
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

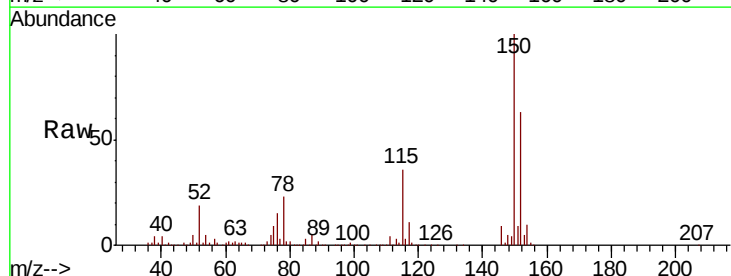
Tgt Ion:152 Resp: 595097

Ion Ratio Lower Upper

152 100

115 57.5 28.4 85.2

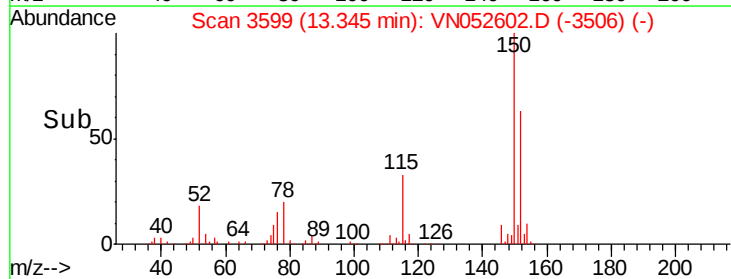
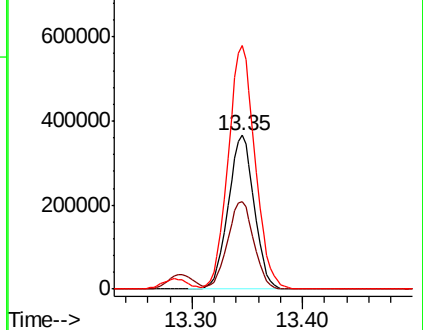
150 164.7 0.0 346.0

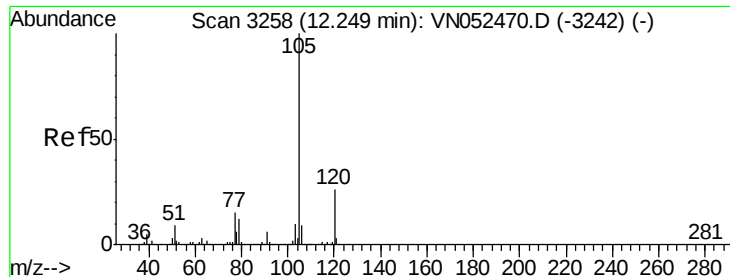


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.156 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

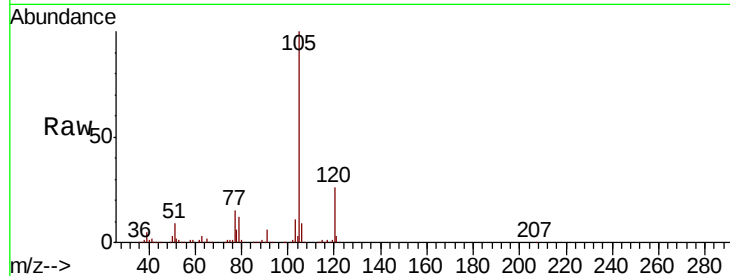
VN1130WBSD02

Tot Ion:105 Resp: 941083

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

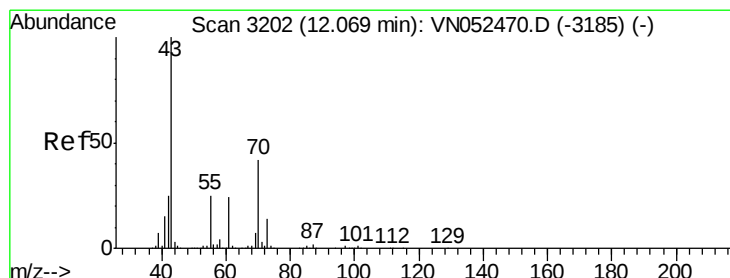
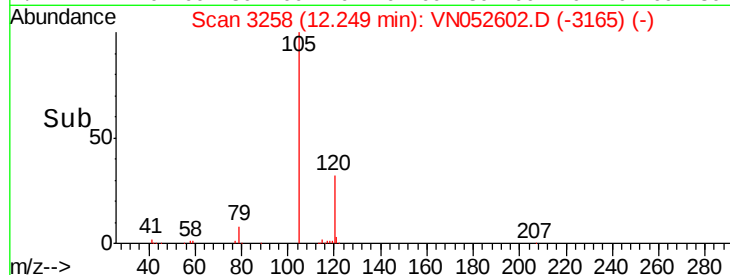
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 20.061 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Tgt Ion: 43 Resp: 236628

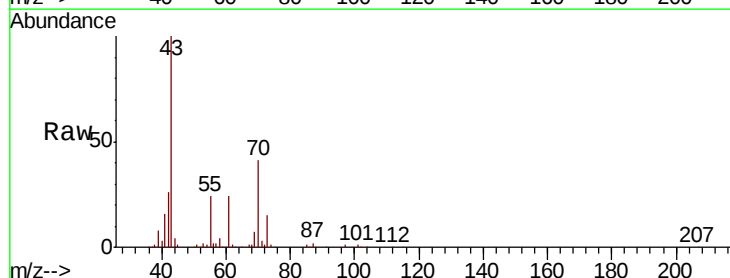
Ion Ratio Lower Upper

43 100

70 42.1 33.8 50.8

55 24.6 20.0 30.0

61 24.3 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

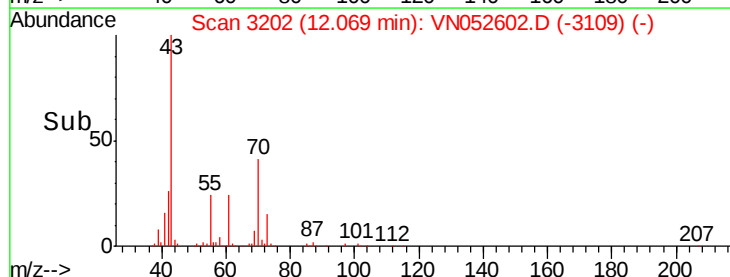
150000

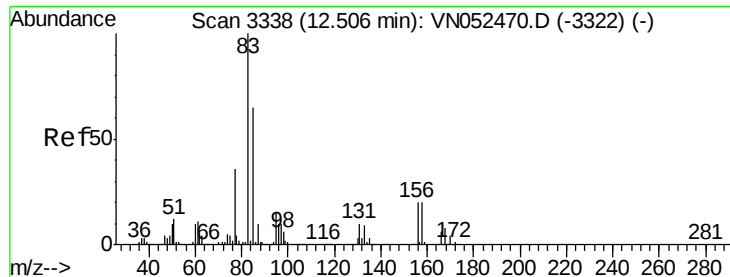
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.605 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

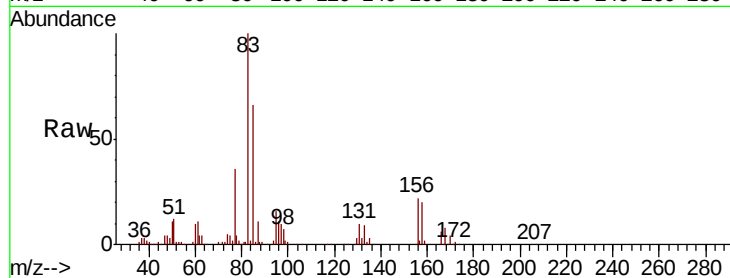
Tot Ion: 83 Resp: 208218

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

85 66.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052602.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN052602.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN052602.D (-3245) (-)

12.51

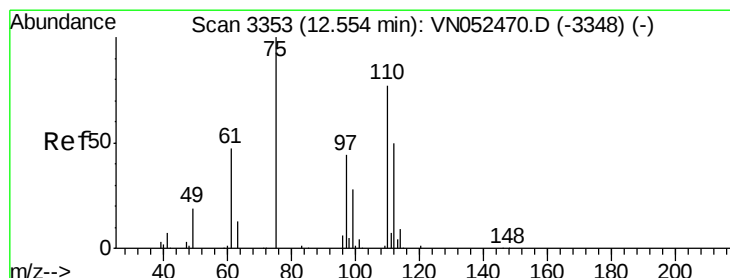
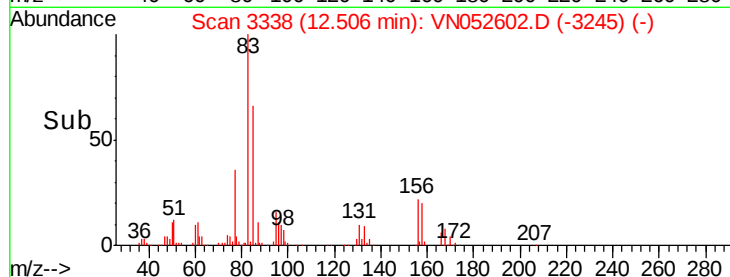
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.144 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052602.D

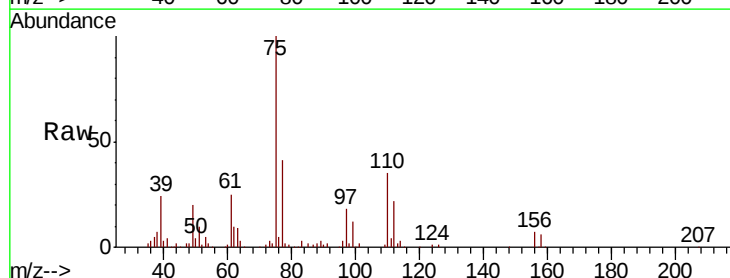
Acq: 30 Nov 2018 13:08

Tgt Ion: 75 Resp: 258268

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052602.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052602.D (-3260) (-)

250000

200000

150000

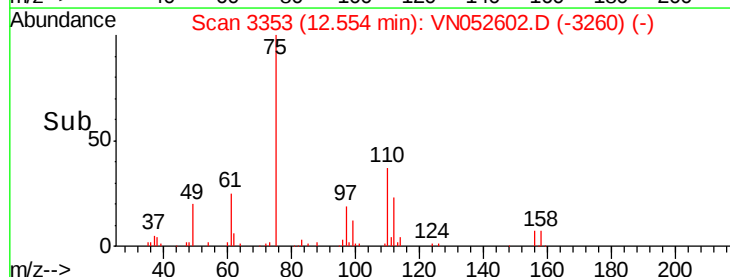
100000

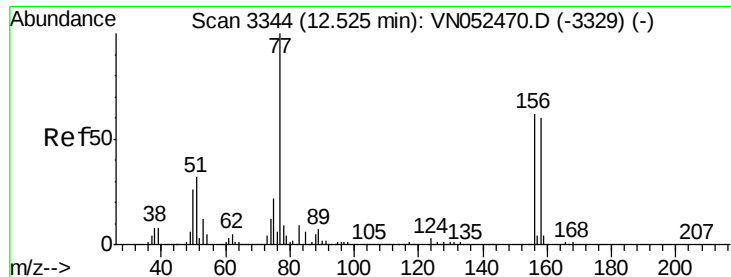
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.144 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

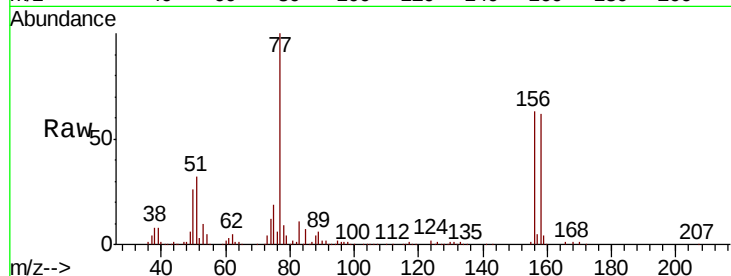
Tot Ion:156 Resp: 232469

Ion Ratio Lower Upper

156 100

77 183.9 93.5 280.4

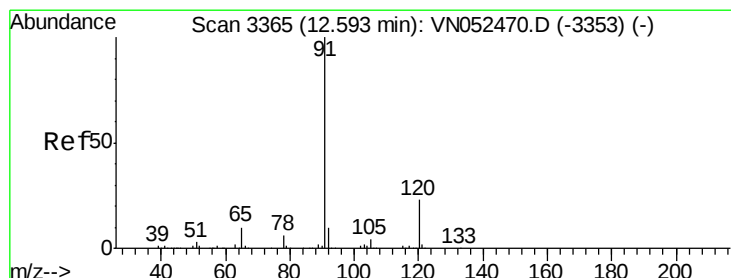
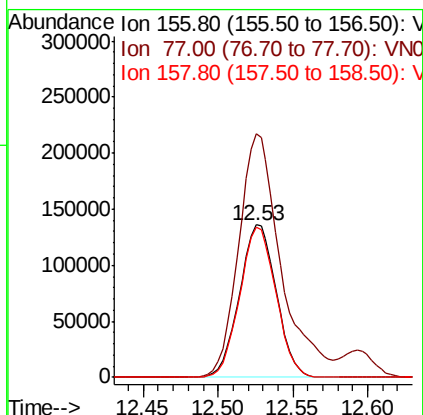
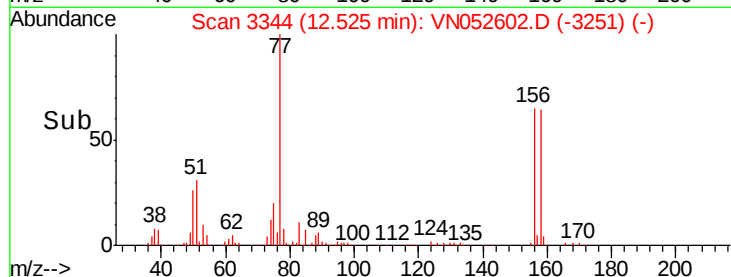
158 97.1 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.998 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052602.D

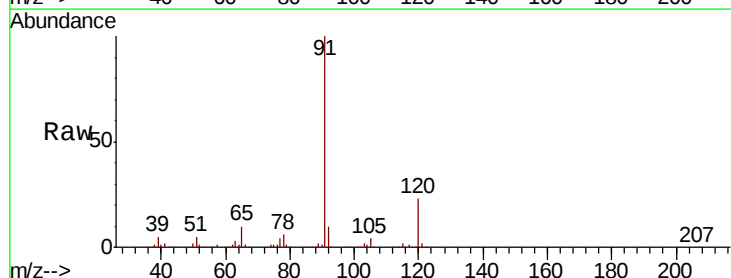
Acq: 30 Nov 2018 13:08

Tgt Ion: 91 Resp: 1060726

Ion Ratio Lower Upper

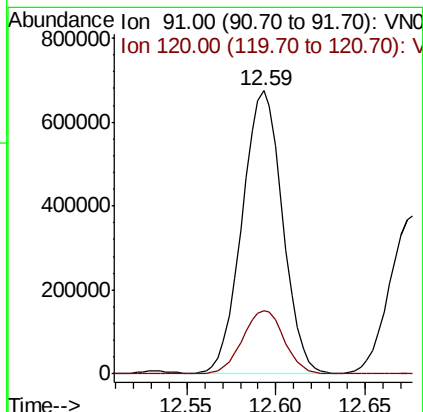
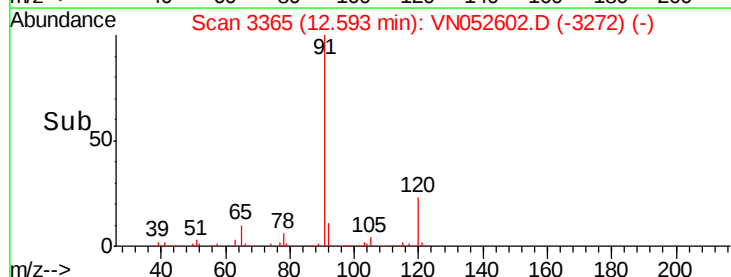
91 100

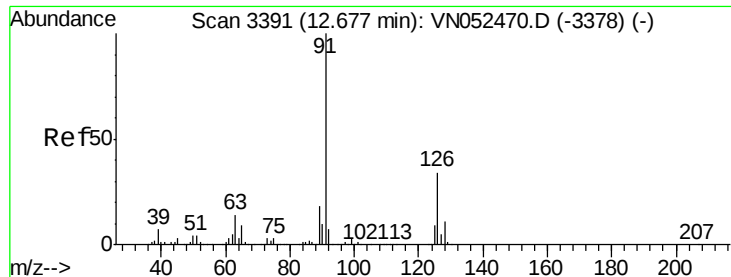
120 23.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

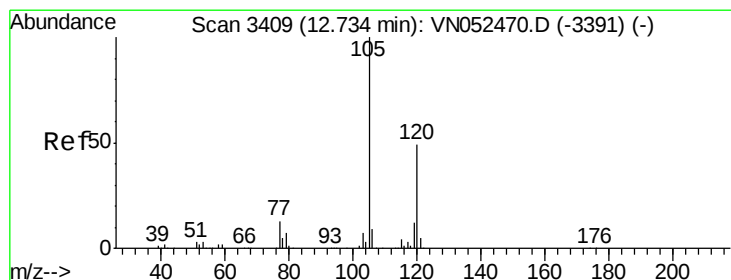
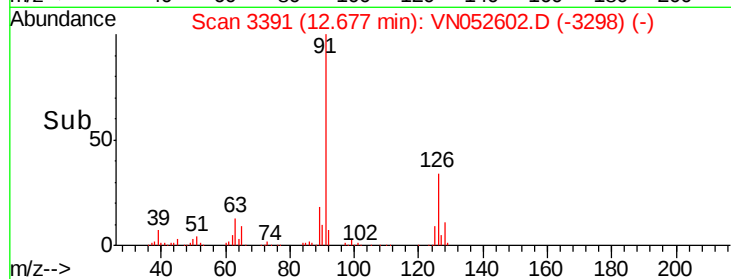
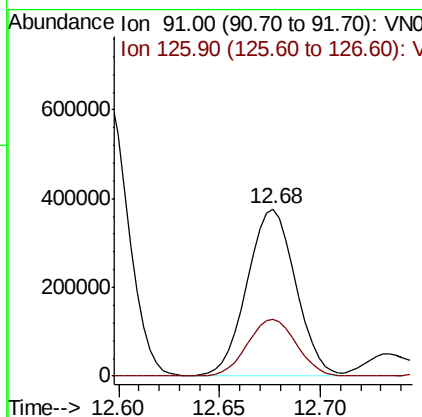
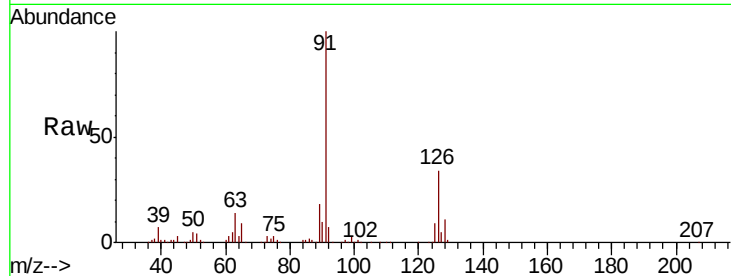




#79
 2-Chlorotoluene
 Concen: 19.970 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

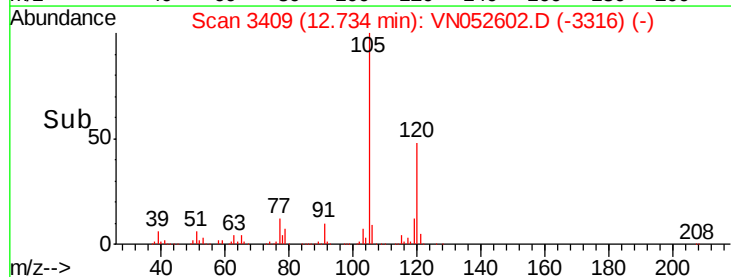
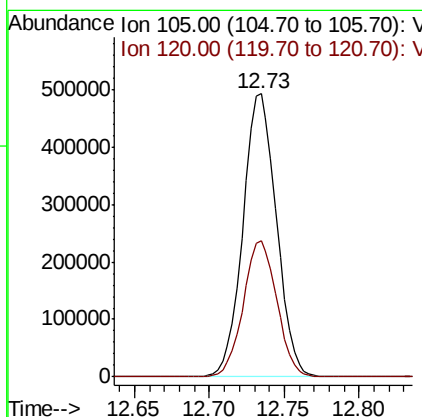
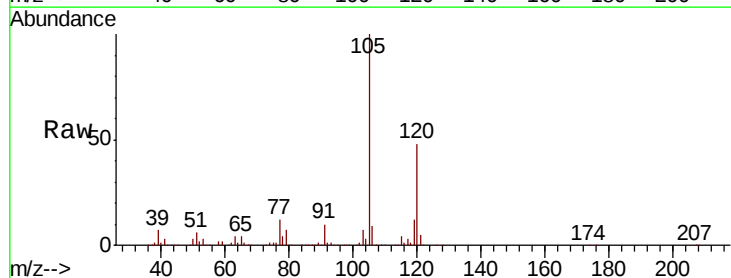
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

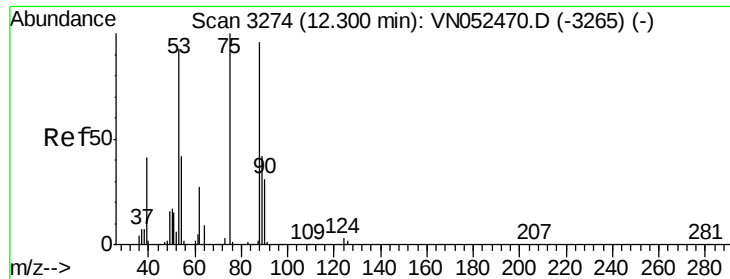
Tot Ion: 91 Resp: 630788
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 20.548 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion: 105 Resp: 765120
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.848 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

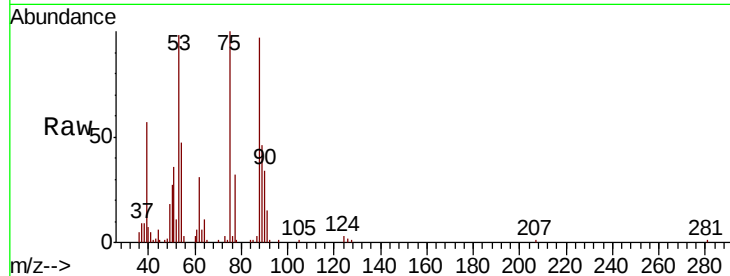
Tot Ion: 75 Resp: 51792

Ion Ratio Lower Upper

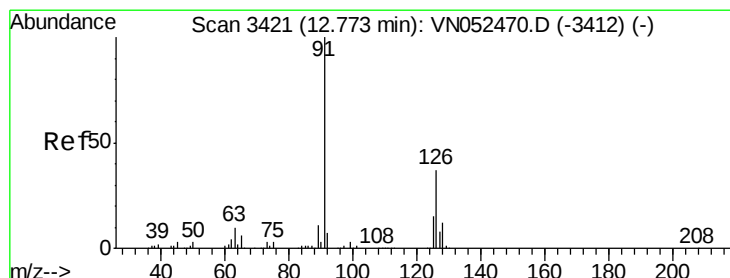
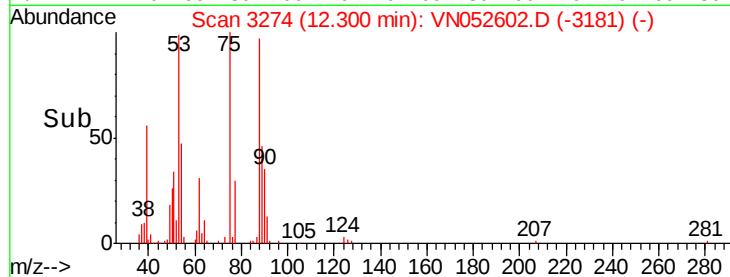
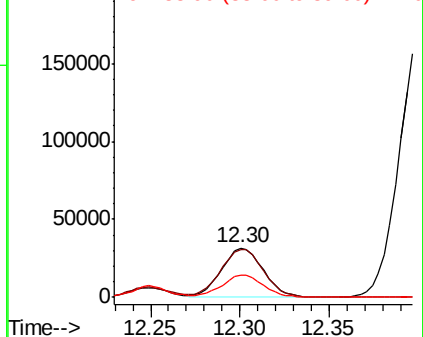
75 100

53 99.9 77.4 116.0

89 44.0 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.910 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052602.D

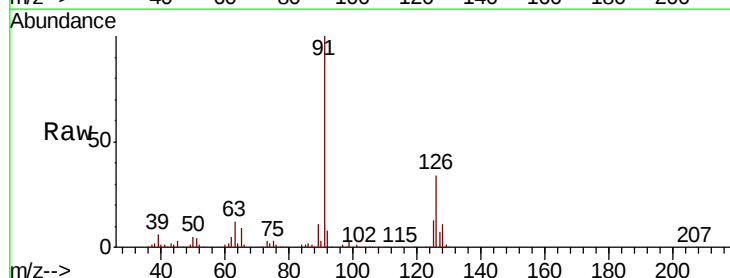
Acq: 30 Nov 2018 13:08

Tgt Ion: 91 Resp: 633791

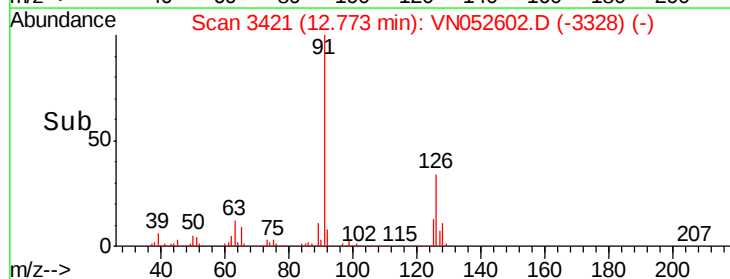
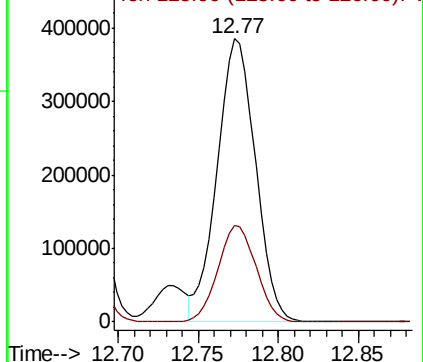
Ion Ratio Lower Upper

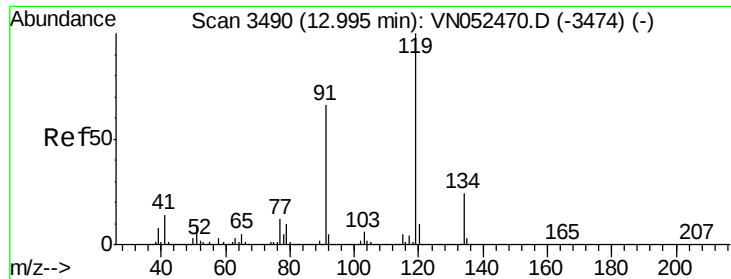
91 100

126 33.9 16.9 50.6



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

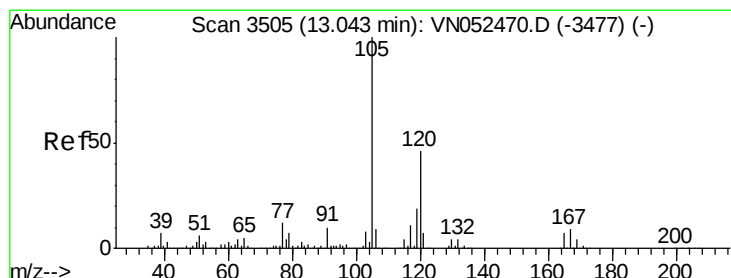
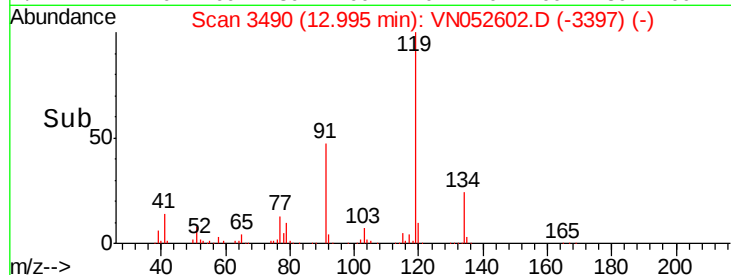
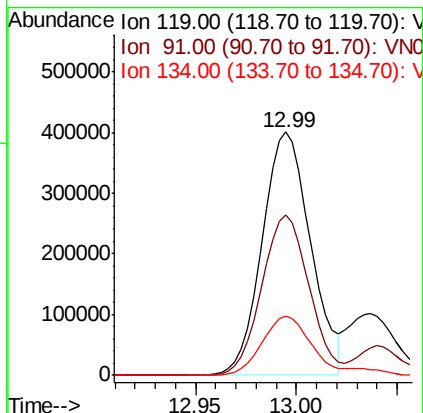
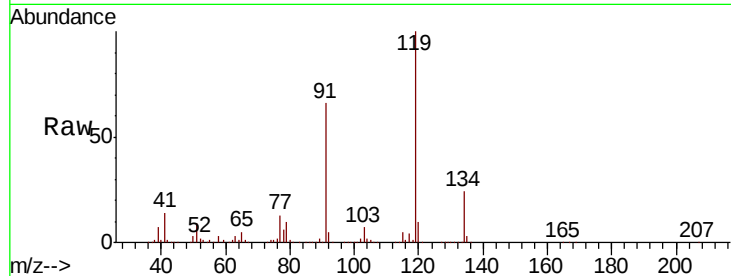




#83
 tert-Butylbenzene
 Concen: 20.173 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

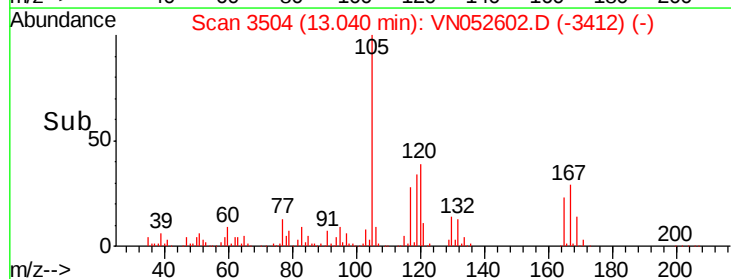
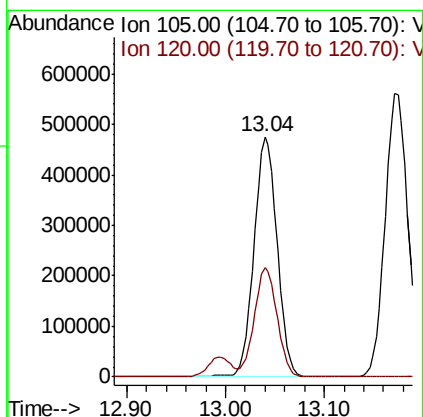
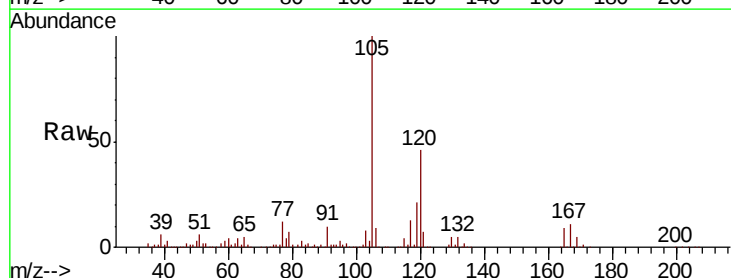
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1130WBSD02

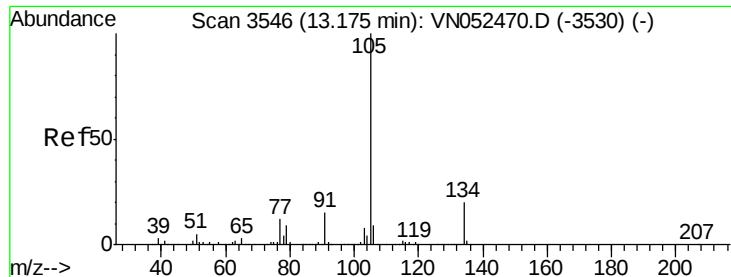
Tot Ion:119 Resp: 669679
 Ion Ratio Lower Upper
 119 100
 91 64.6 32.3 96.9
 134 26.2 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.465 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion:105 Resp: 763695
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 19.784 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

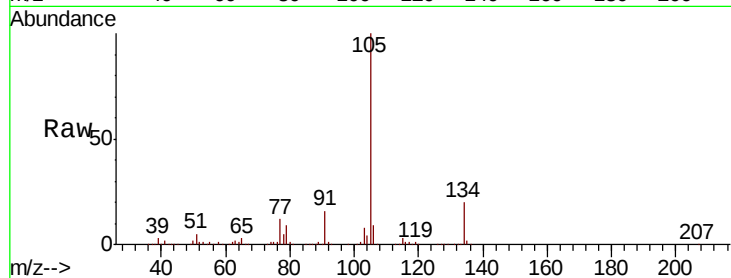
VN1130WBSD02

Tot Ion:105 Resp: 894540

Ion Ratio Lower Upper

105 100

134 20.2 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

500000

400000

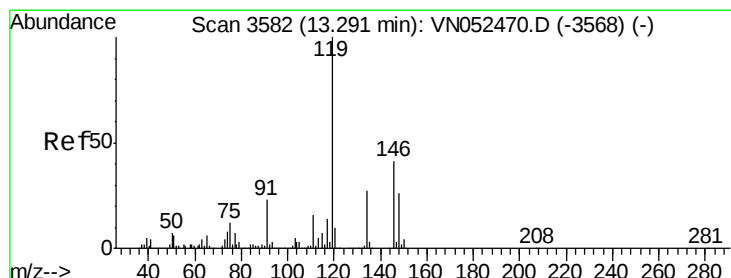
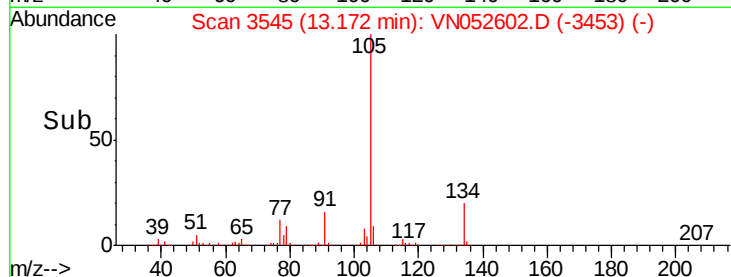
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.863 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

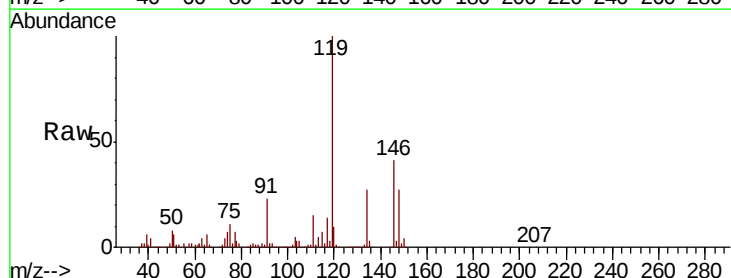
Tgt Ion:119 Resp: 764924

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 22.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

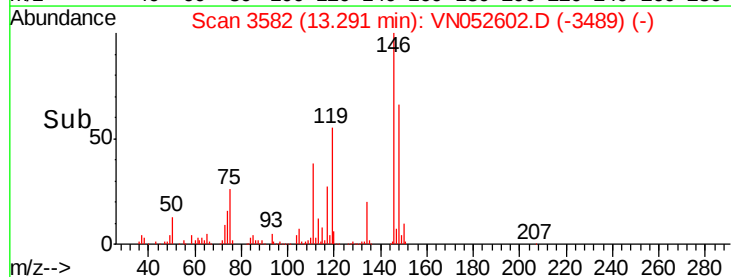
600000

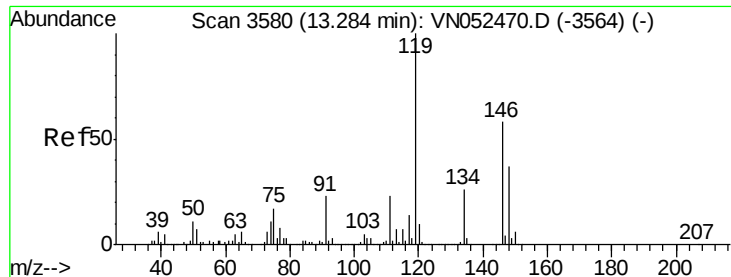
400000

200000

0

Time--> 13.20 13.25 13.30 13.35

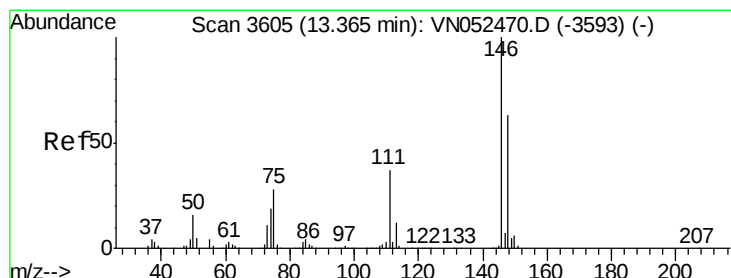
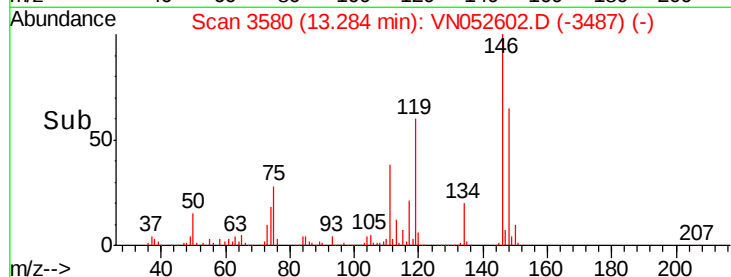
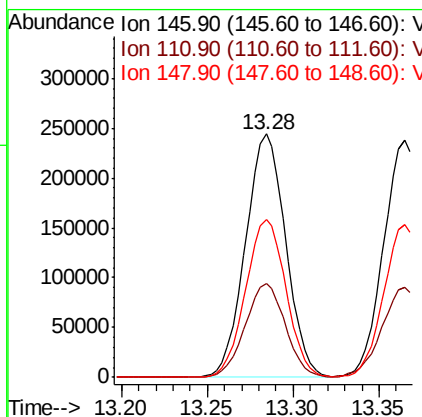
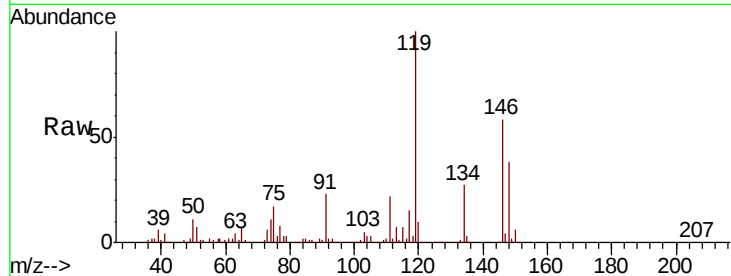




#87
 1,3-Dichlorobenzene
 Concen: 19.634 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

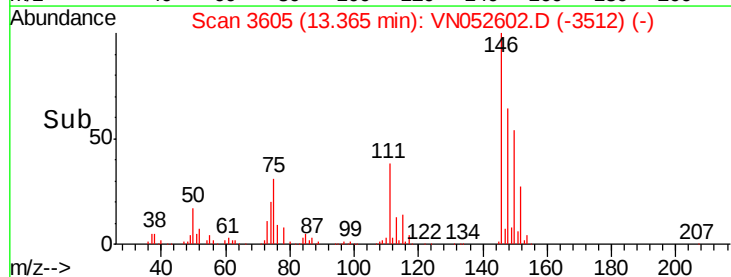
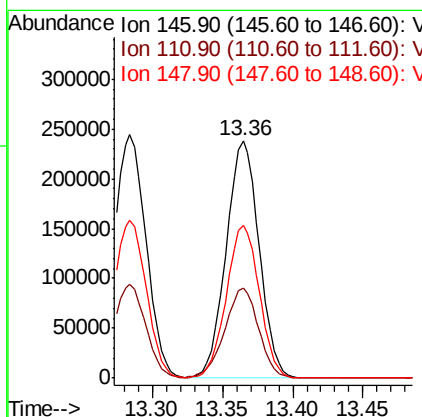
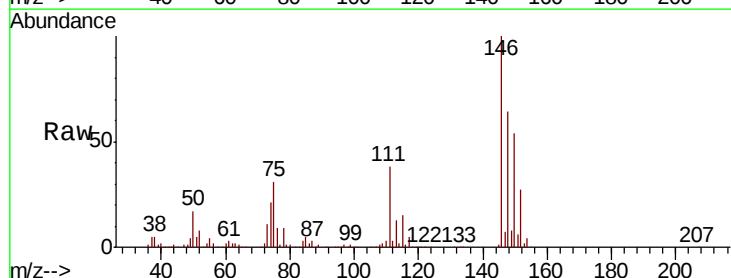
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

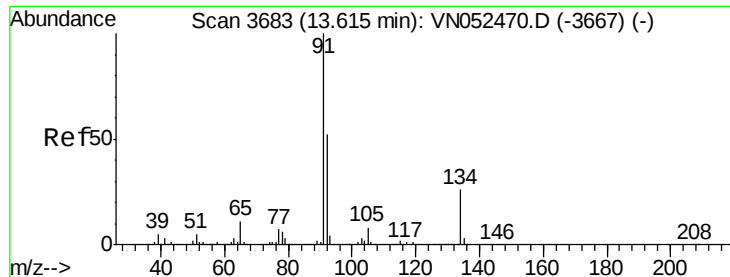
Tot Ion:146 Resp: 396346
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.4
 148 65.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.536 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion:146 Resp: 388452
 Ion Ratio Lower Upper
 146 100
 111 39.2 18.6 56.0
 148 64.7 31.9 95.9





#89

n-Butylbenzene

Concen: 19.348 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleID :

VN1130WBSD02

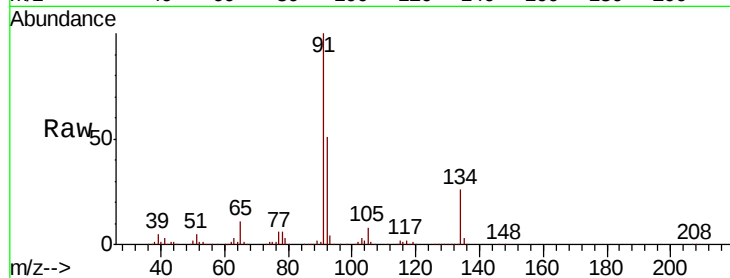
Tot Ion: 91 Resp: 619666

Ion Ratio Lower Upper

91 100

92 52.1 26.1 78.3

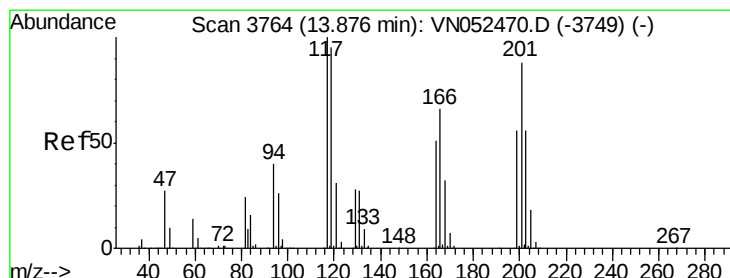
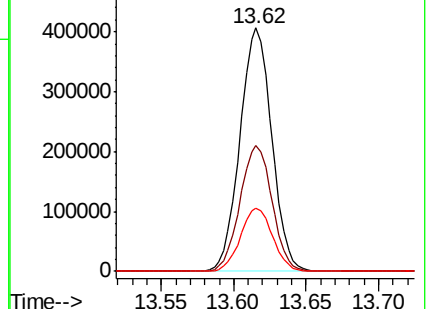
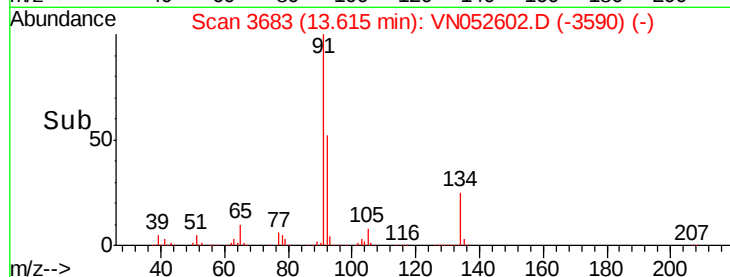
134 26.2 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)



#90

Hexachloroethane

Concen: 19.649 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052602.D

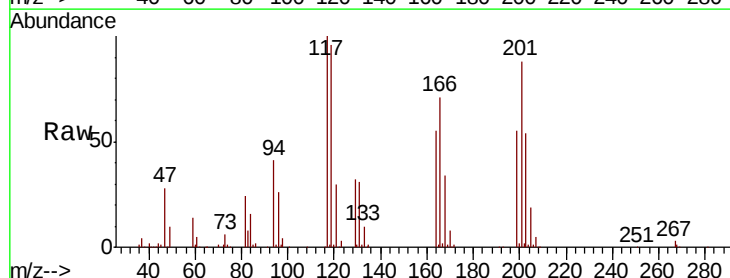
Acq: 30 Nov 2018 13:08

Tgt Ion: 117 Resp: 128128

Ion Ratio Lower Upper

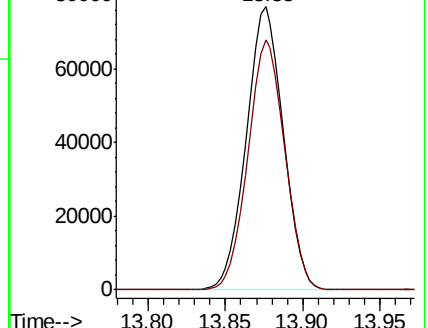
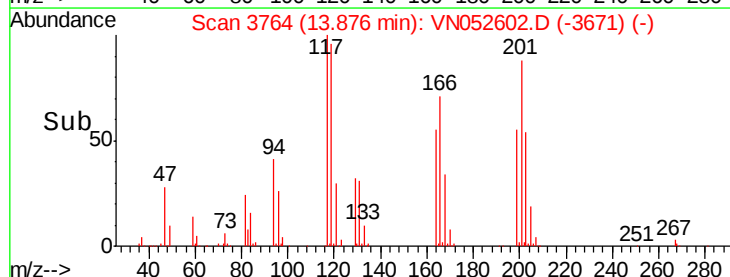
117 100

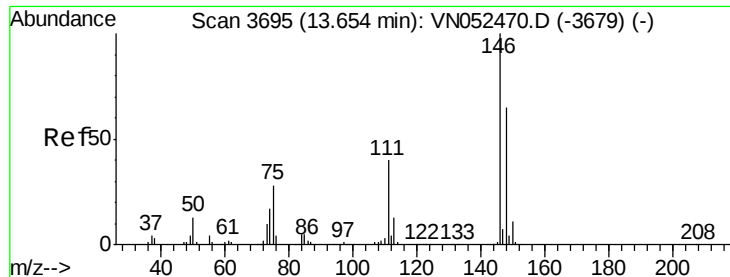
201 87.6 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.177 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

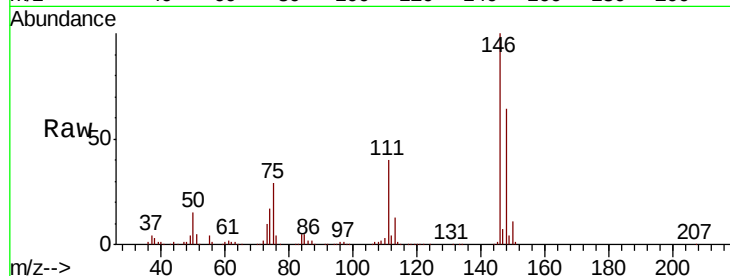
Tot Ion:146 Resp: 389133

Ion Ratio Lower Upper

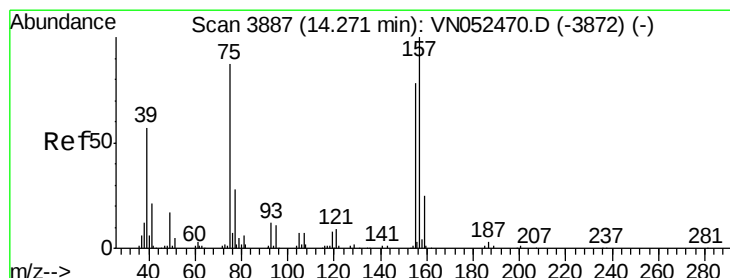
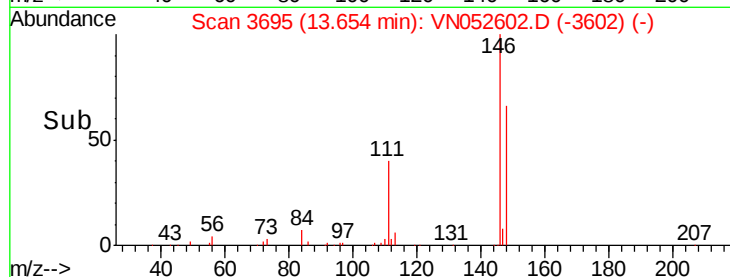
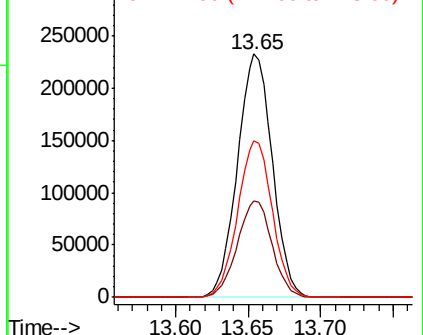
146 100

111 39.3 20.0 60.0

148 64.0 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.507 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

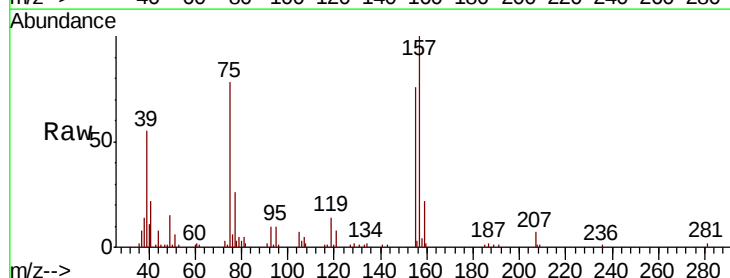
Tgt Ion: 75 Resp: 29631

Ion Ratio Lower Upper

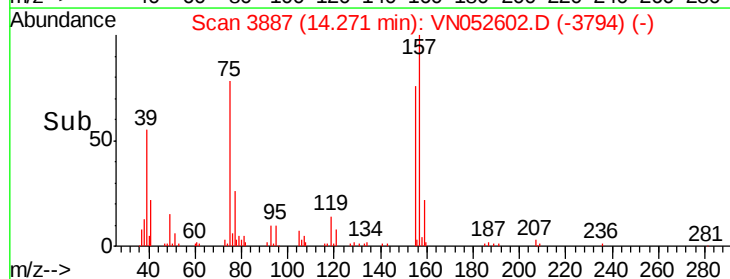
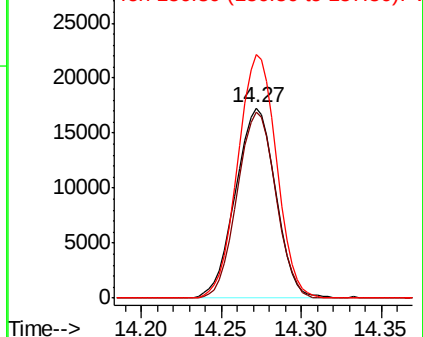
75 100

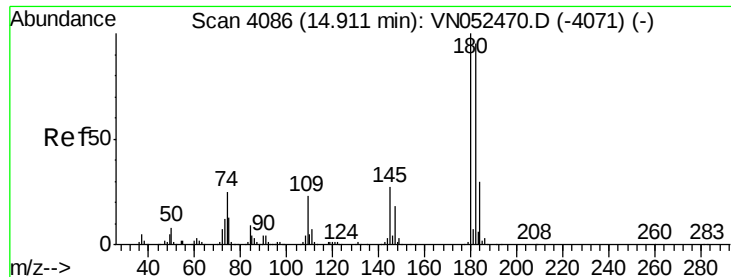
155 93.5 45.3 135.9

157 123.4 58.1 174.2



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

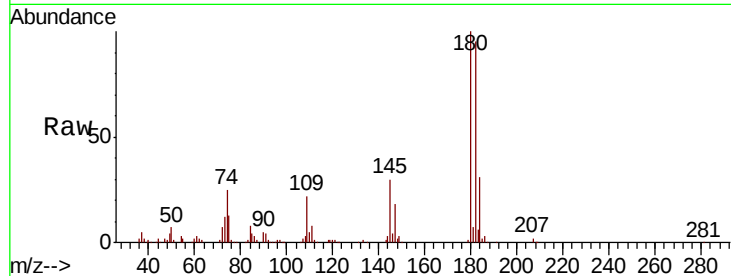




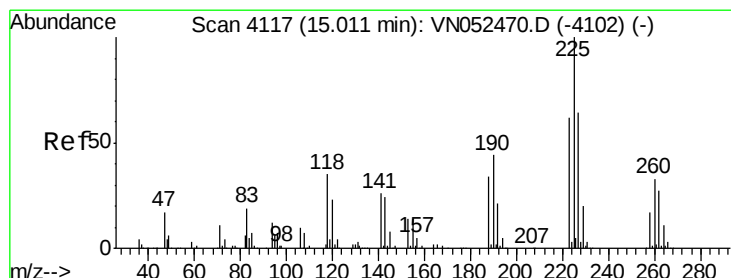
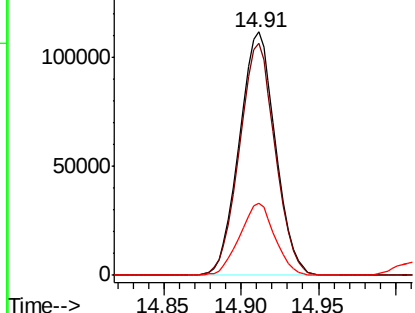
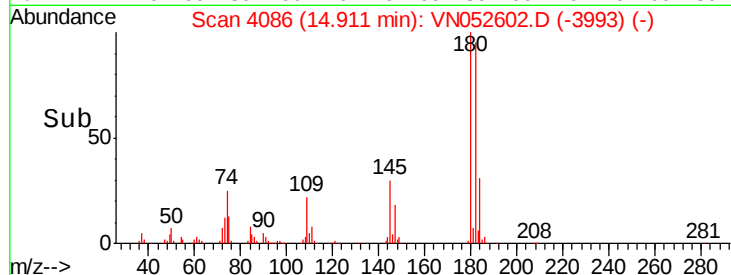
#93
 1,2,4-Trichlorobenzene
 Concen: 18.984 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.4
145	28.8	14.1	42.3

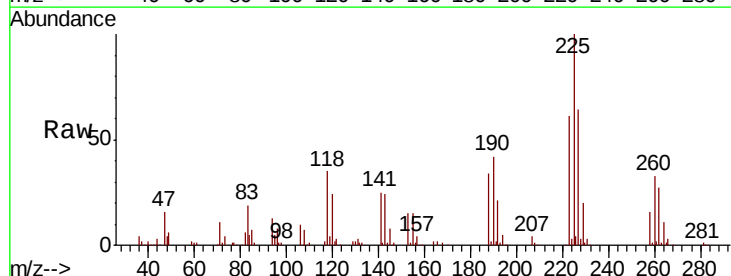


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

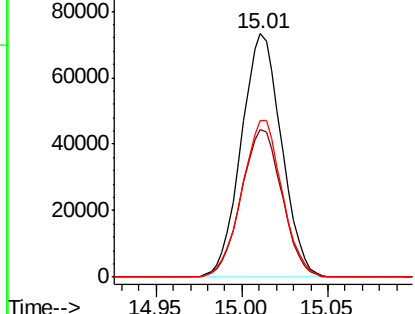
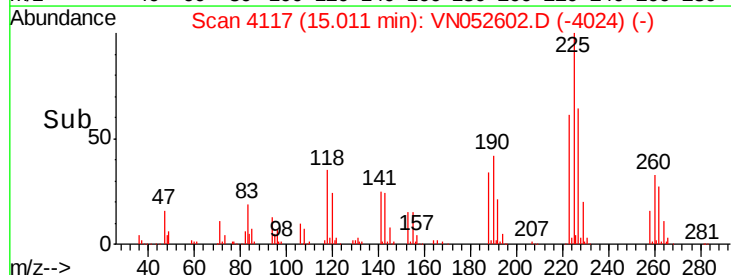


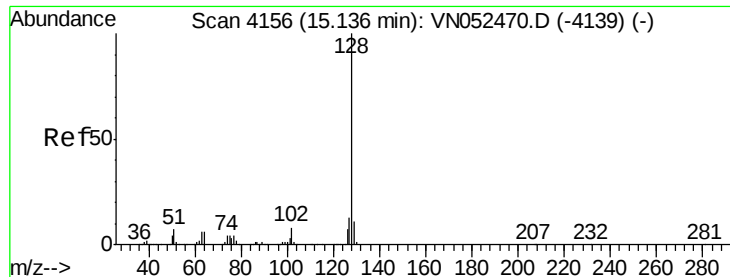
#94
 Hexachlorobutadiene
 Concen: 19.178 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052602.D
 Acq: 30 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.4	94.2
227	64.5	32.5	97.4



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: 18.937 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBSD02

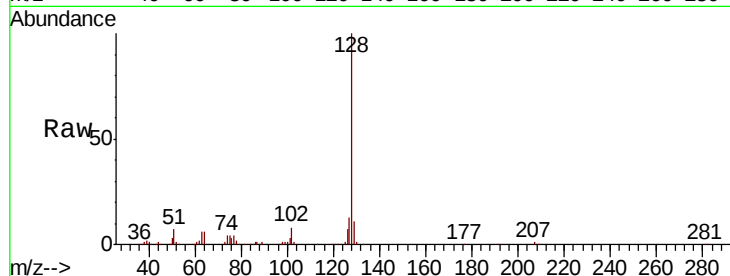
Tot Ion:128 Resp: 373051

Ion Ratio Lower Upper

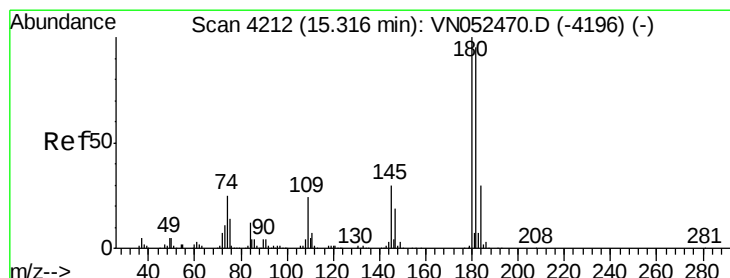
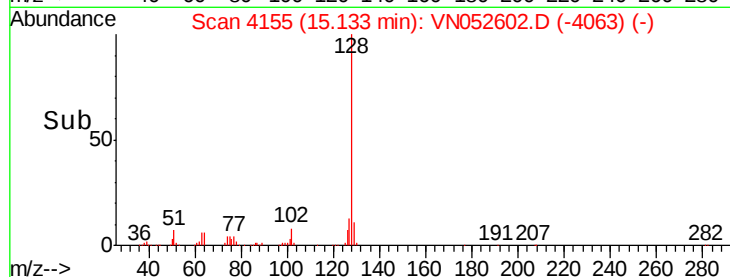
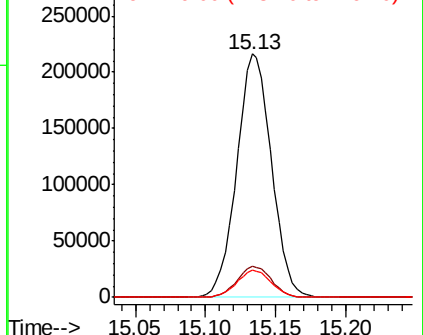
128 100

127 12.5 10.2 15.2

129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.820 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052602.D

Acq: 30 Nov 2018 13:08

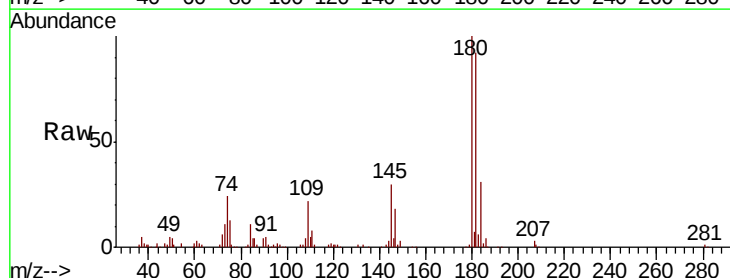
Tgt Ion:180 Resp: 175613

Ion Ratio Lower Upper

180 100

182 91.9 47.8 143.3

145 30.1 15.2 45.5



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

