

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051189.D
 Acq On : 14 Sep 2018 14:47
 Operator : MD\SY
 Sample : VN0914WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Quant Time: Sep 14 23:31:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	65239	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	783632	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	704812	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	305101	73.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	244.30%#
60) 4-Bromofluorobenzene	12.40	95	345038	32.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.73%
63) Toluene-d8	10.09	98	1111089	33.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	112.67%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	92167	22.75	ug/l	97
3) Chloromethane	2.06	50	121938	25.49	ug/l	100
4) Vinyl Chloride	2.18	62	125503	26.55	ug/l	100
5) Bromomethane	2.56	94	72379	25.12	ug/l	100
6) Chloroethane	2.70	64	78174	28.04	ug/l	97
7) Trichlorofluoromethane	3.01	101	179449	28.64	ug/l	98
8) Diethyl Ether	3.41	74	62801	28.42	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	115409	29.74	ug/l	98
10) 1,1-Dichloroethene	3.73	96	102339	29.03	ug/l	98
11) Methyl Iodide	3.95	142	80072	24.35	ug/l	98
12) Methyl Acetate	4.33	43	90537	22.21	ug/l	99
13) Acrolein	3.61	56	37598	416.55	ug/l	99
14) Acrylonitrile	4.99	53	172999	125.52	ug/l	99
15) Acetone	3.82	58	44559	126.35	ug/l	92
16) Carbon Disulfide	4.05	76	283000	26.70	ug/l	98
17) Allyl chloride	4.33	41	150676	27.17	ug/l	98
18) Methylene Chloride	4.55	84	123227	29.78	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	110791	29.50	ug/l	98
20) Diisopropyl ether	5.96	45	339854	29.52	ug/l	98
21) 1,1-Dichloroethane	5.86	63	210808	29.86	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	124009	29.23	ug/l	97
23) tert-Butyl Alcohol	4.79	59	15857	54.10	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	266072	27.60	ug/l #	83
25) Chloroform	7.37	83	214941	30.51	ug/l	97
26) Cyclohexane	7.66	56	175434	30.00	ug/l #	97
29) 1,1-Dichloropropene	7.80	75	155950	13.29	ug/l	99
30) 2-Butanone	6.84	43	185620	51.43	ug/l #	97
31) 2,2-Dichloropropane	6.83	77	163891	14.36	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	181061	13.61	ug/l	98
33) Carbon Tetrachloride	7.78	117	161874	13.51	ug/l	97
34) Benzene	8.04	78	485649	13.38	ug/l	95
35) Methacrylonitrile	7.17	41	40926	10.35	ug/l	93
36) 1,2-Dichloroethane	8.13	62	142472	12.98	ug/l	99
37) Trichloroethene	8.84	130	129557	13.66	ug/l	98
38) Methylcyclohexane	9.08	83	160106	12.71	ug/l	98
39) 1,2-Dichloropropane	9.12	63	129406	13.65	ug/l	97
40) Dibromomethane	9.21	93	73745	12.92	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	159982	13.29	ug/l	99
42) Vinyl Acetate	5.90	43	1030021	61.96	ug/l	99
43) Ethyl Acetate	6.93	43	86844	11.75	ug/l	100
44) Isopropyl Acetate	8.17	43	152357	11.68	ug/l	99
45) 1,4-Dioxane	9.20	88	20420	210.71	ug/l	98
46) Methyl methacrylate	9.20	41	69168	10.59	ug/l	99
47) n-amyl Acetate	12.07	43	104279	9.94	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	146461	12.41	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	179782	13.26	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	108947	13.13	ug/l	99
51) Ethyl methacrylate	10.43	69	116772	11.50	ug/l	100
52) 1,3-Dichloropropane	10.71	76	178235	12.97	ug/l	98
53) Dibromochloromethane	10.90	129	124136	13.16	ug/l	99
54) 1,2-Dibromoethane	11.01	107	101811	12.41	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	235831	55.84	ug/l	99
56) Bromoform	12.13	173	83324	12.42	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	414434	51.39	ug/l	98
59) 2-Hexanone	10.75	43	254840	48.35	ug/l	99
61) Tetrachloroethene	10.63	164	120811	13.76	ug/l	99
62) Toluene	10.16	91	522455	13.29	ug/l	99
64) Chlorobenzene	11.43	112	325461	13.36	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	125891	13.68	ug/l	99
66) Ethyl Benzene	11.51	91	520615	12.78	ug/l	99
67) m/p-Xylenes	11.62	106	417807	26.66	ug/l	98
68) o-Xylene	11.95	106	200236	13.37	ug/l	97
69) Styrene	11.96	104	310136	13.03	ug/l	100
70) Isopropylbenzene	12.25	105	526746	13.24	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	129476	12.02	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	146019	15.71	ug/l	92
73) Bromobenzene	12.53	156	135631	12.96	ug/l	97
74) n-propylbenzene	12.59	91	574725	12.78	ug/l	99
75) 2-Chlorotoluene	12.67	91	360220	13.18	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	429602	13.21	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	26455	9.99	ug/l	97
78) 4-Chlorotoluene	12.77	91	344735	12.81	ug/l	99
79) tert-butylbenzene	12.99	119	372517	13.19	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	425887	13.14	ug/l	100
81) sec-Butylbenzene	13.17	105	479606	12.98	ug/l	99
82) p-Isopropyltoluene	13.29	119	404679	12.69	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	222215	12.56	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	210396	12.55	ug/l	97
85) n-Butylbenzene	13.62	91	279180	11.47	ug/l	99
86) Hexachloroethane	13.88	117	78350	12.80	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	216753	12.44	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16460	10.92	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	74651	9.63	ug/l	98
90) Hexachlorobutadiene	15.01	225	73315	13.91	ug/l	98
91) Naphthalene	15.13	128	126010	13.78	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	78206	10.05	ug/l	99

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QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

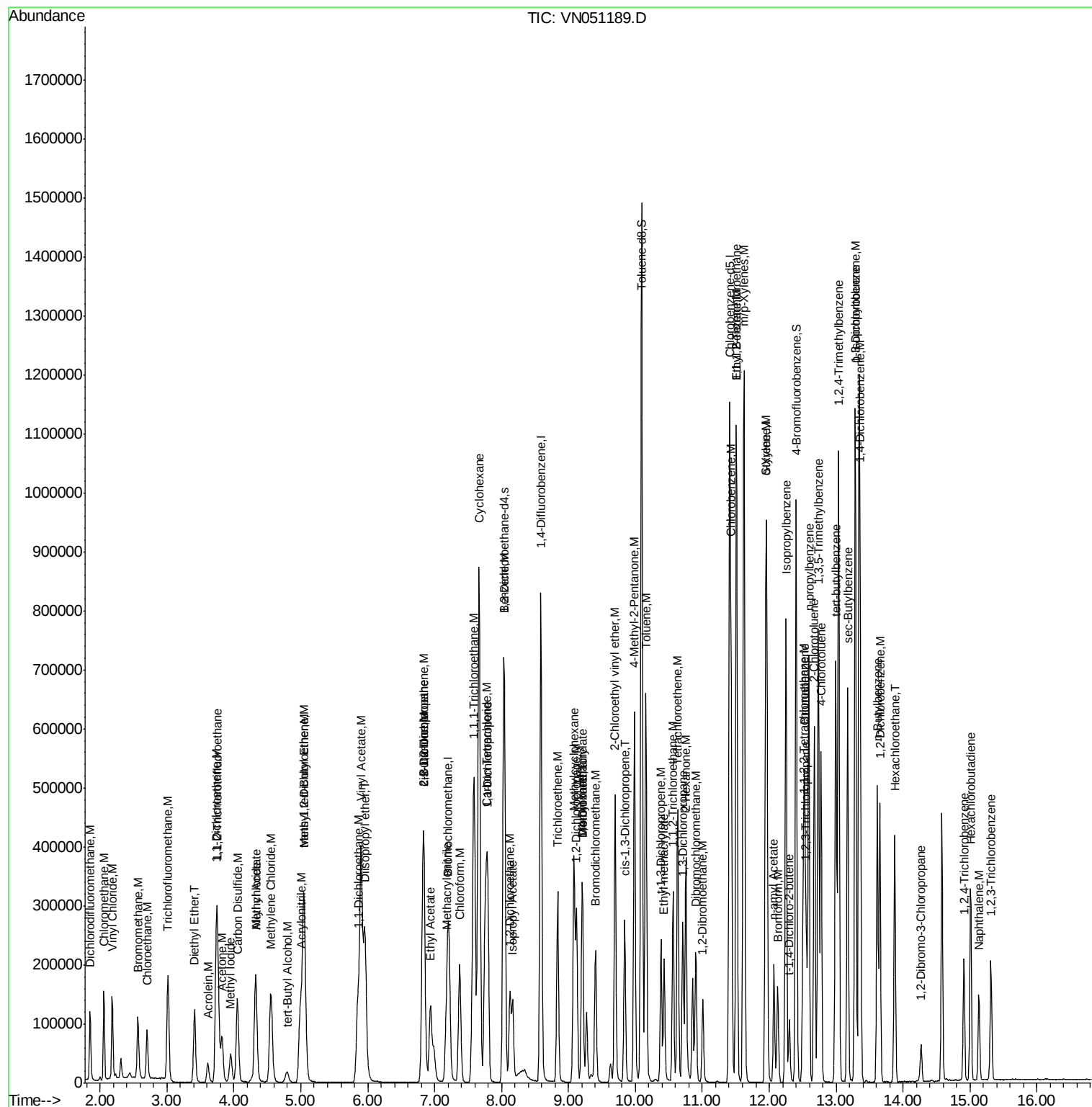
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Quant Time: Sep 14 23:31:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

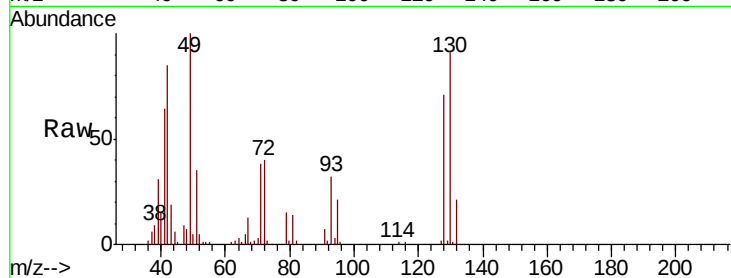
Tot Ion:128 Resp: 65239

Ion Ratio Lower Upper

128 100

49 145.9 0.0 380.3

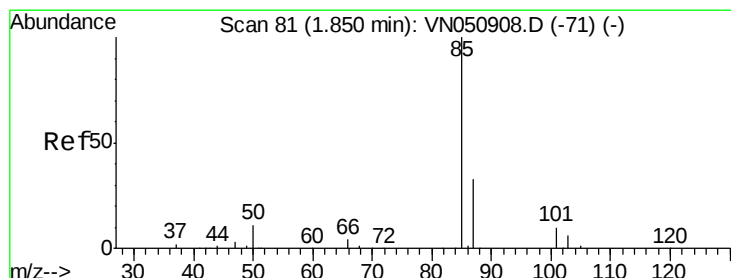
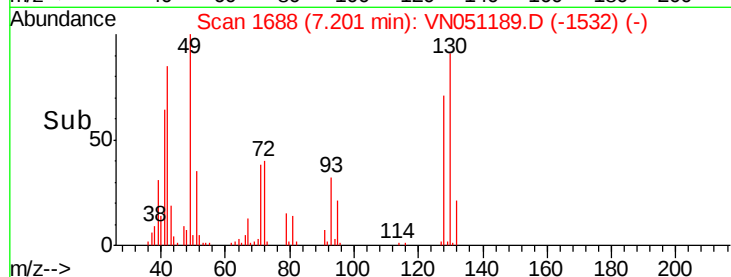
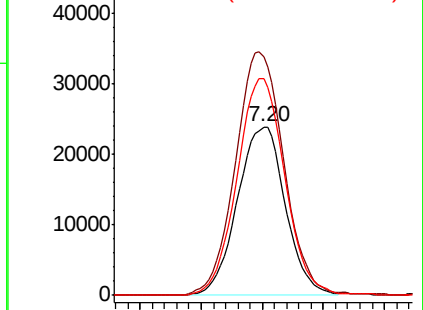
130 128.2 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.75 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051189.D

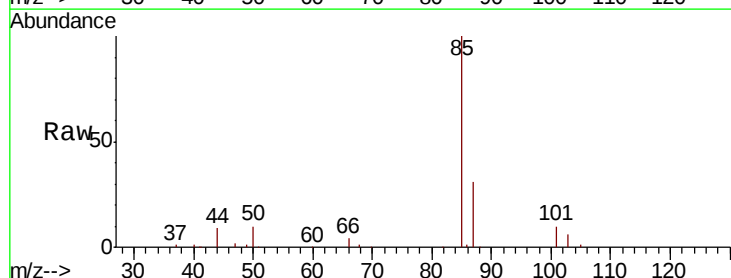
Acq: 14 Sep 2018 14:47

Tgt Ion: 85 Resp: 92167

Ion Ratio Lower Upper

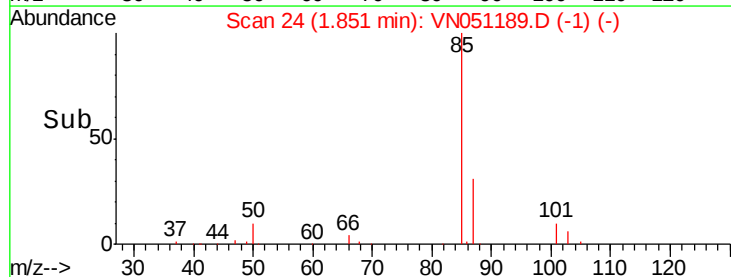
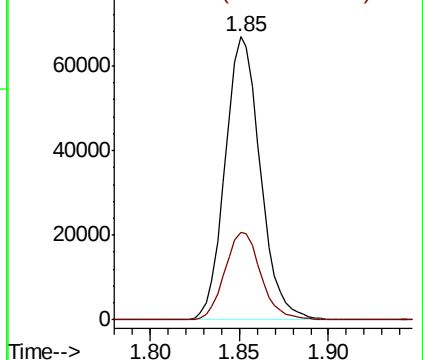
85 100

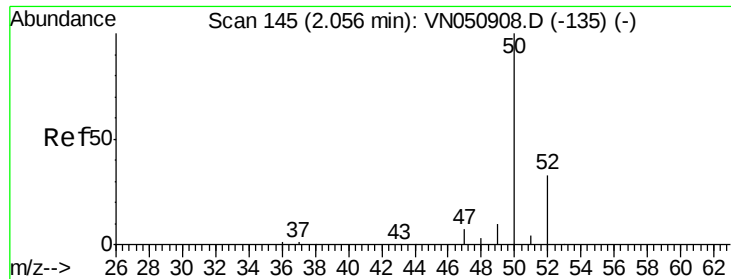
87 31.1 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

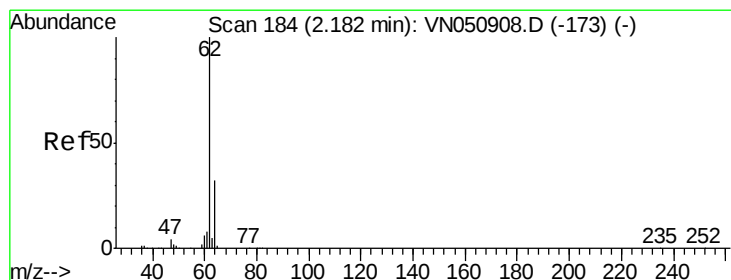
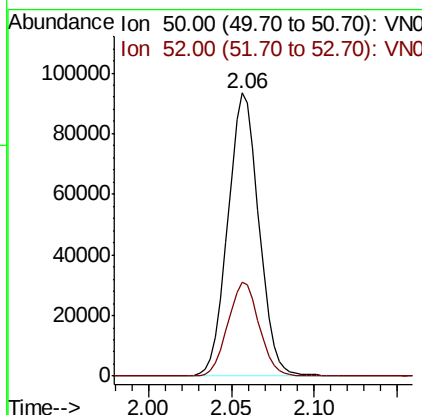
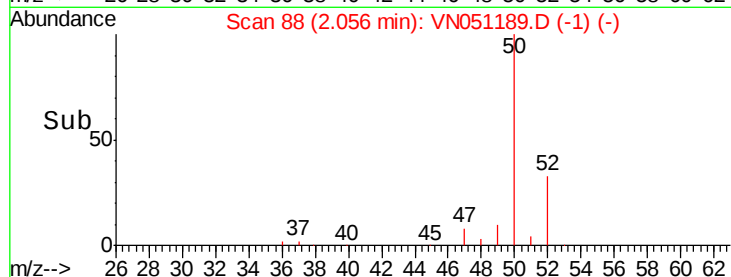
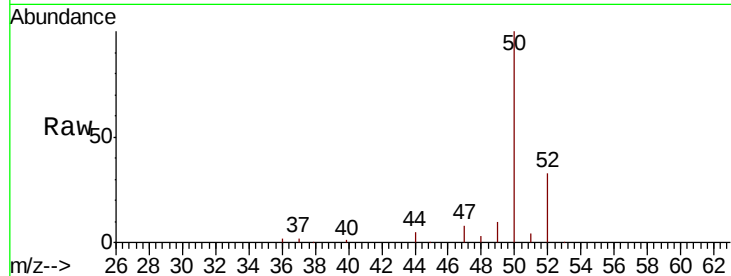




#3
Chloromethane
Concen: 25.49 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

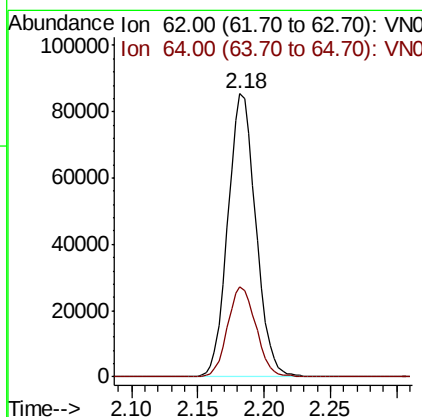
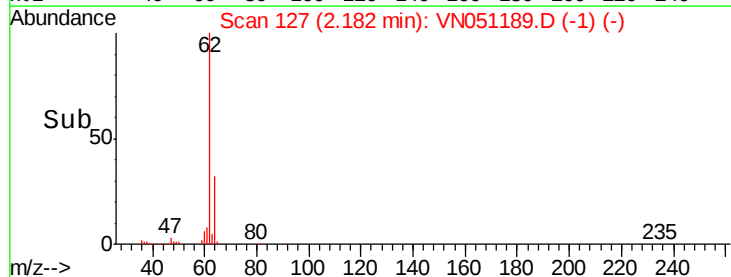
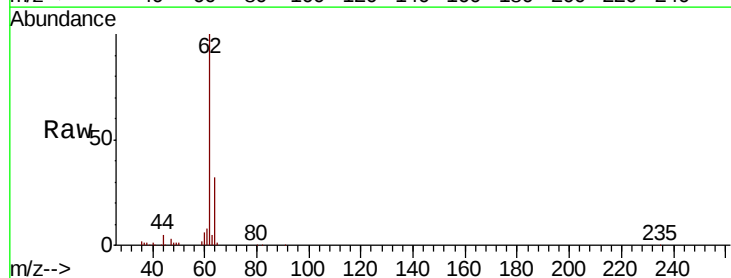
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

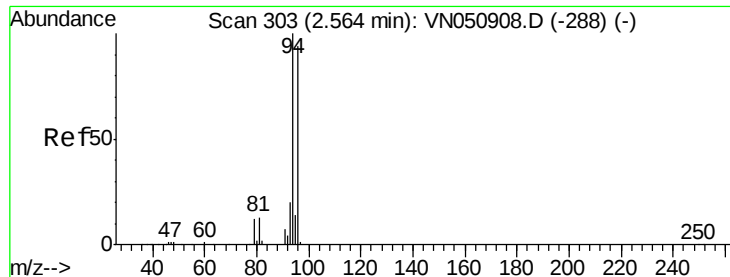
Tot Ion: 50 Resp: 121938
Ion Ratio Lower Upper
50 100
52 33.1 26.2 39.4



#4
Vinyl Chloride
Concen: 26.55 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 62 Resp: 125503
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0





#5

Bromomethane

Concen: 25.12 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

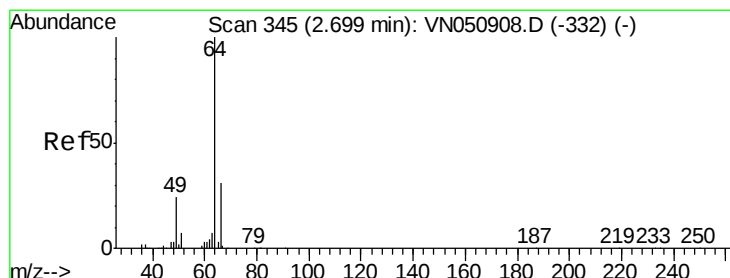
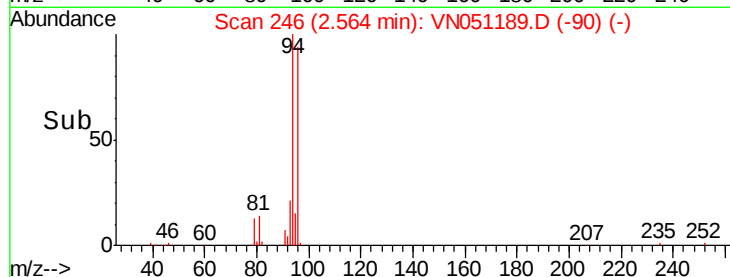
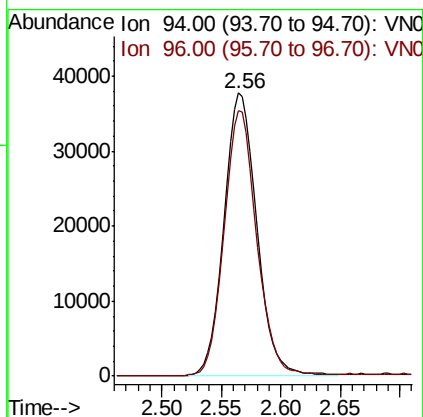
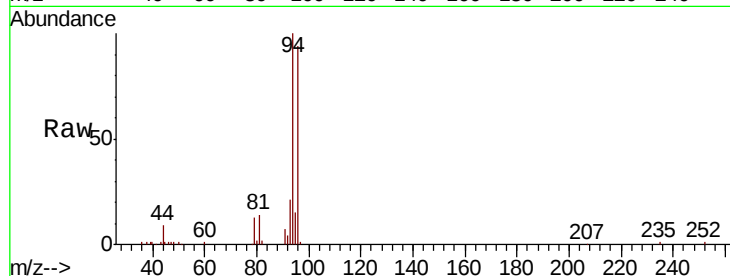
VN0914WBSD02

Tot Ion: 94 Resp: 72379

Ion Ratio Lower Upper

94 100

96 93.4 74.9 112.3



#6

Chloroethane

Concen: 28.04 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051189.D

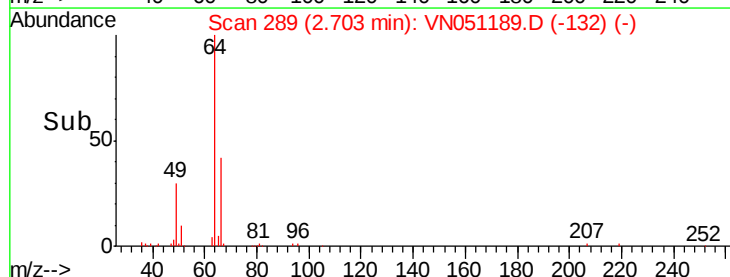
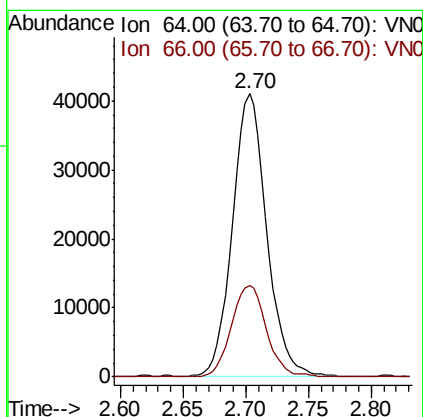
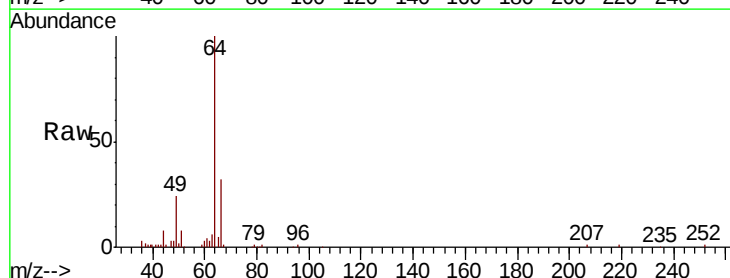
Acq: 14 Sep 2018 14:47

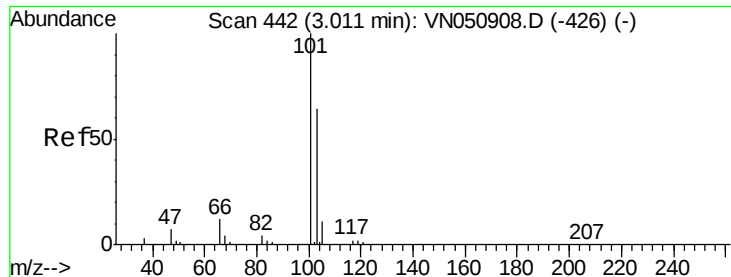
Tgt Ion: 64 Resp: 78174

Ion Ratio Lower Upper

64 100

66 32.2 24.5 36.7



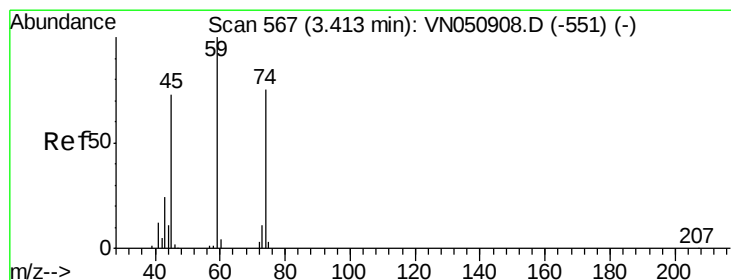
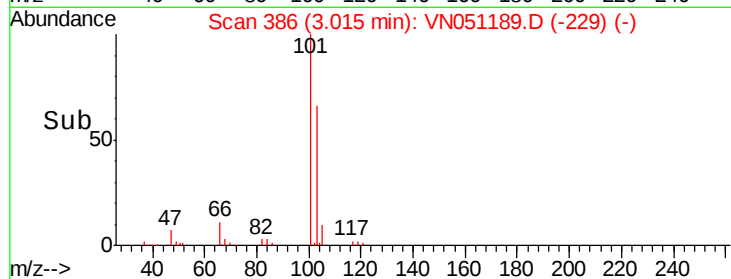
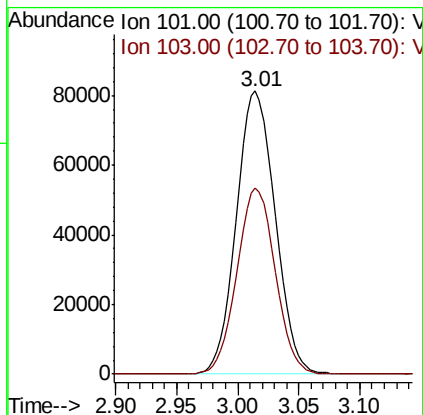
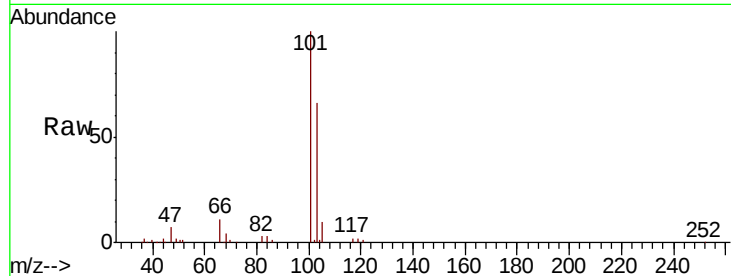


#7

Trichlorofluoromethane
 Concen: 28.64 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

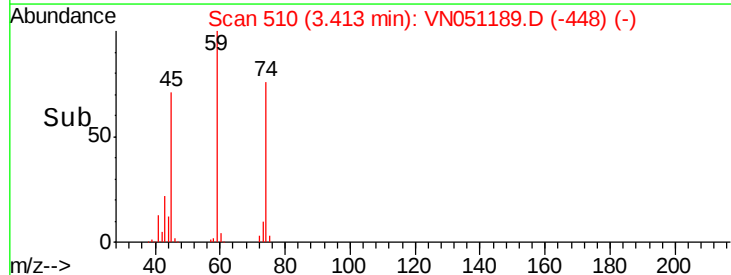
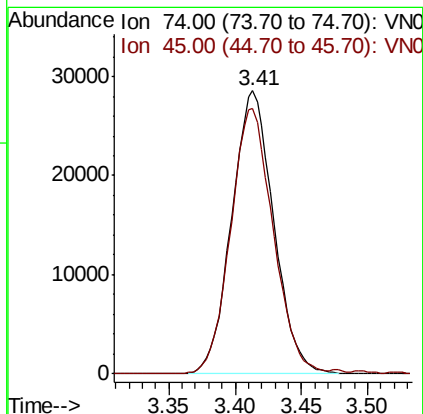
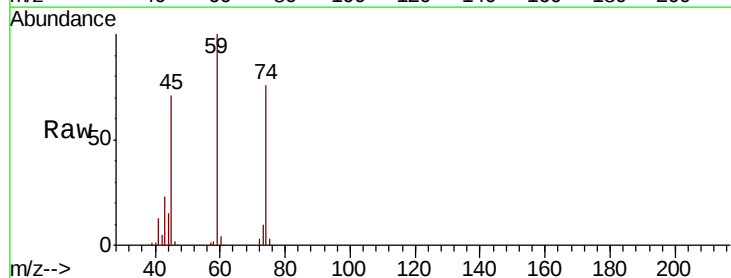
Tot Ion:101 Resp: 179449
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.3 76.9

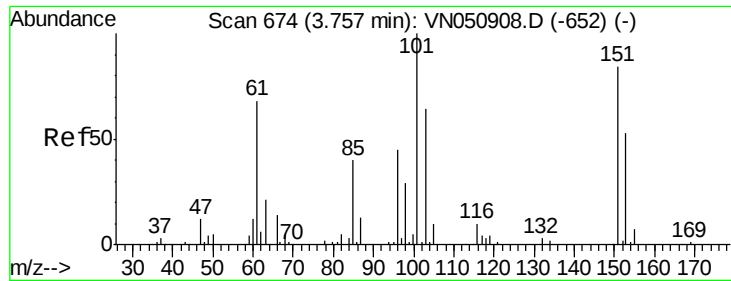


#8

Diethyl Ether
 Concen: 28.42 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 74 Resp: 62801
 Ion Ratio Lower Upper
 74 100
 45 95.2 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.74 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD02

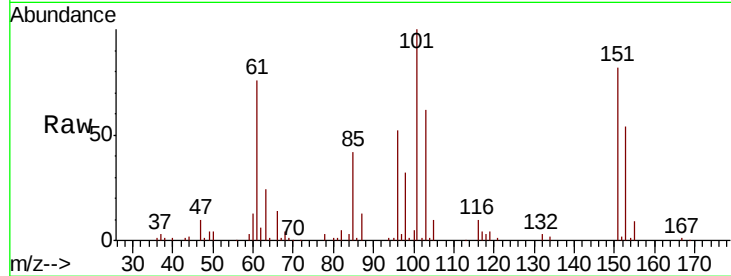
Tot Ion:101 Resp: 115409

Ion Ratio Lower Upper

101 100

85 42.2 0.0 83.6

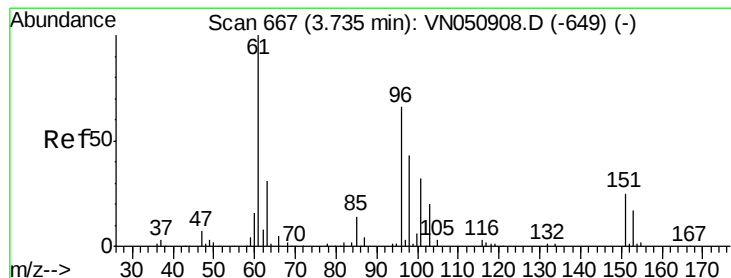
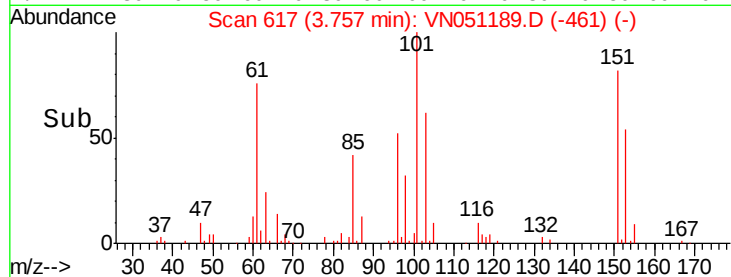
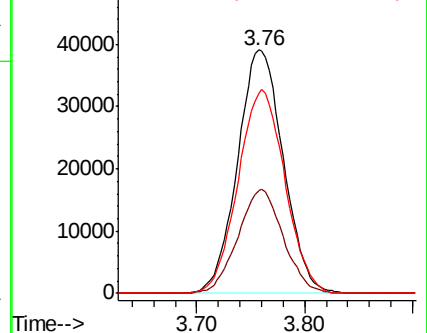
151 85.6 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 29.03 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

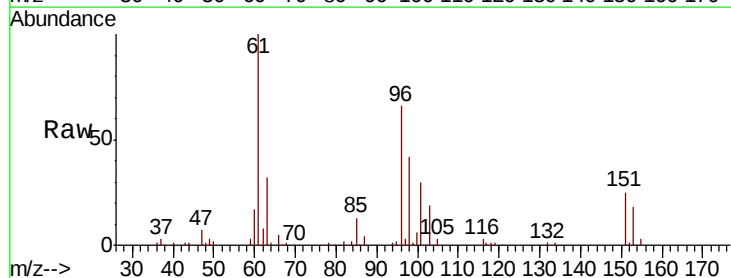
Tgt Ion: 96 Resp: 102339

Ion Ratio Lower Upper

96 100

61 150.7 121.8 182.8

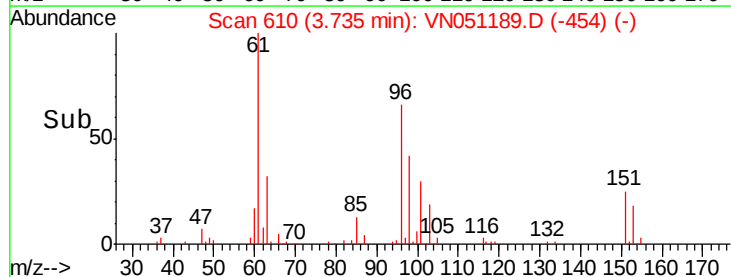
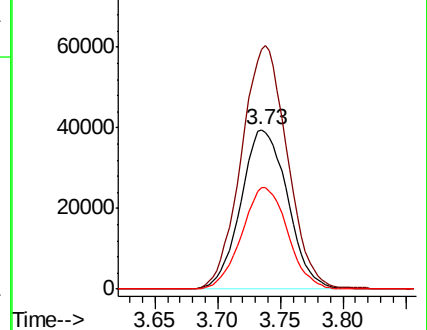
98 63.7 52.3 78.5

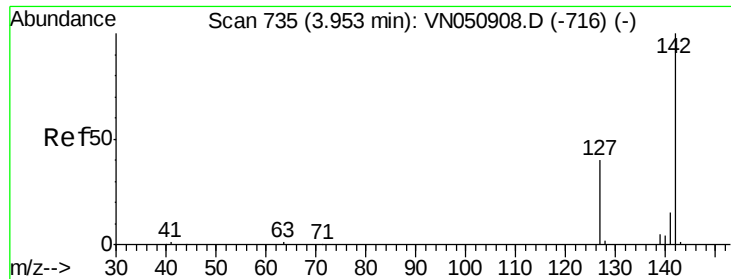


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

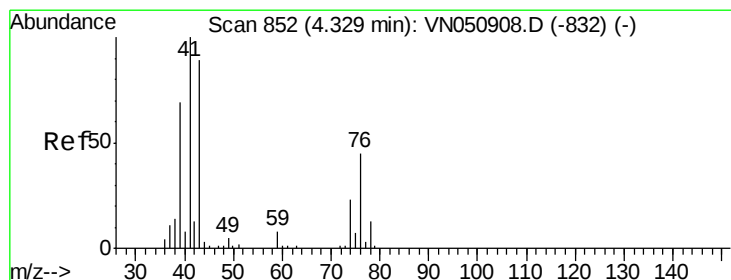
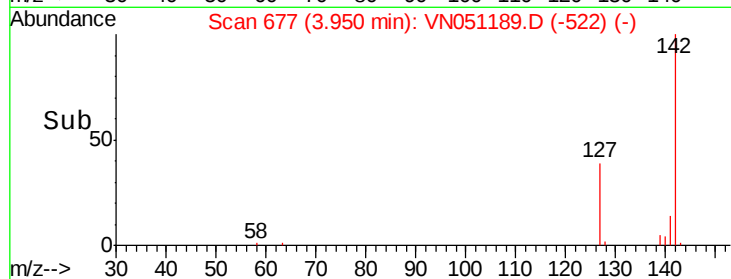
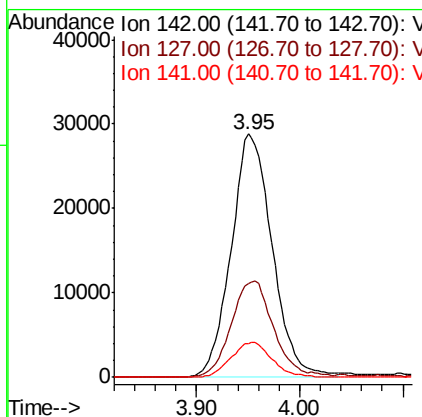
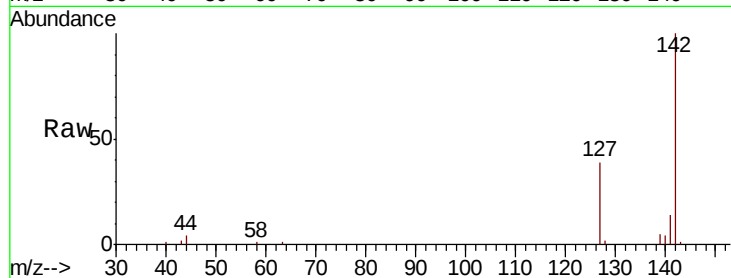




#11
Methvl Iodide
Concen: 24.35 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

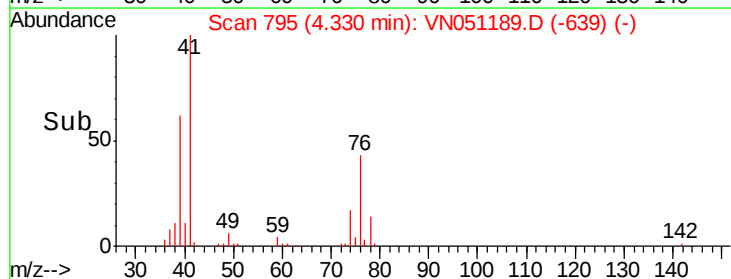
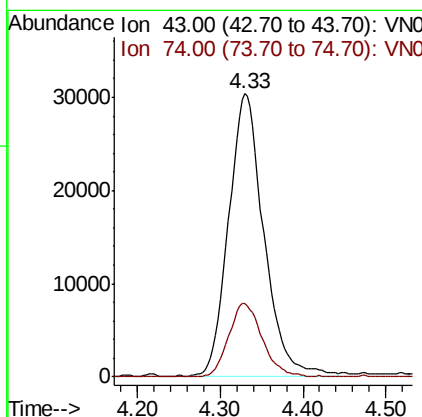
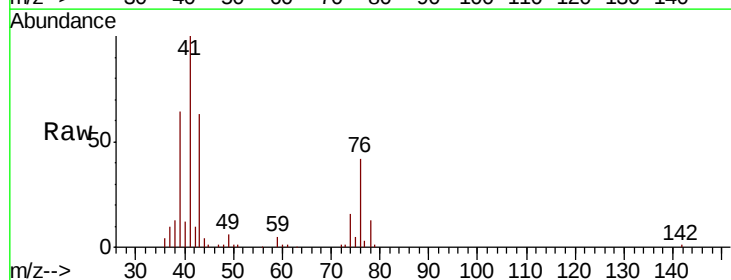
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

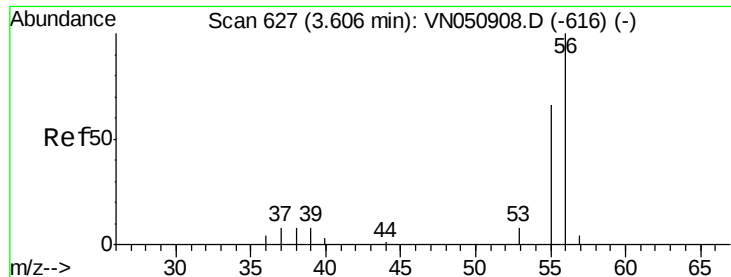
Tot Ion:142 Resp: 80072
Ion Ratio Lower Upper
142 100
127 38.4 19.7 59.1
141 14.2 7.3 22.0



#12
Methyl Acetate
Concen: 22.21 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 43 Resp: 90537
Ion Ratio Lower Upper
43 100
74 26.1 20.6 31.0





#13

Acrolein

Concen: 416.55 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

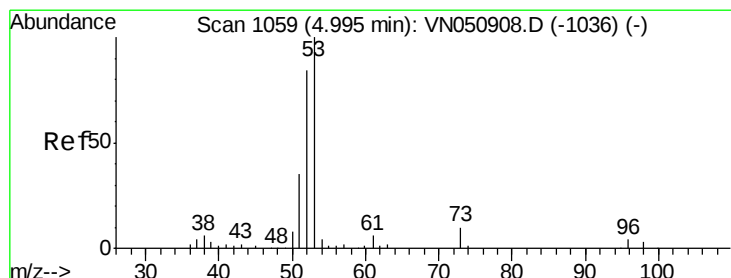
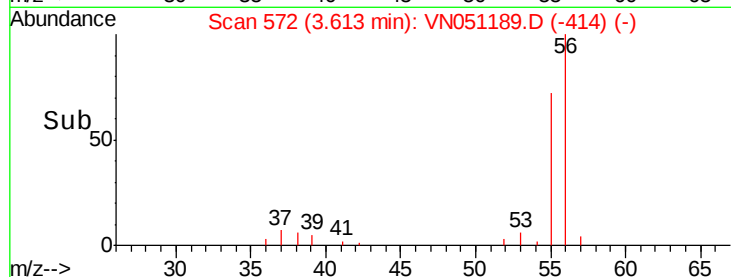
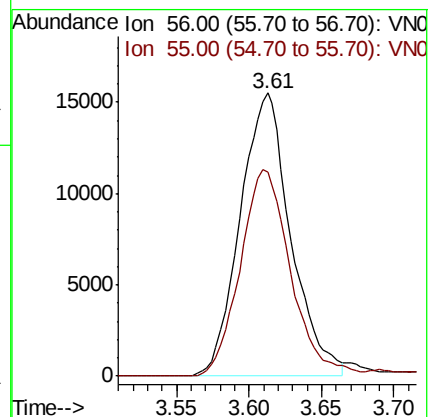
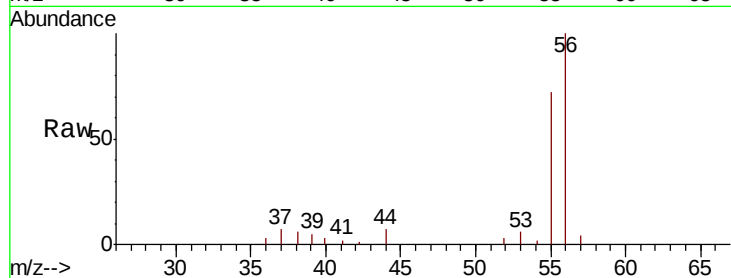
VN0914WBSD02

Tot Ion: 56 Resp: 37598

Ion Ratio Lower Upper

56 100

55 72.7 59.1 88.7



#14

Acrylonitrile

Concen: 125.52 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

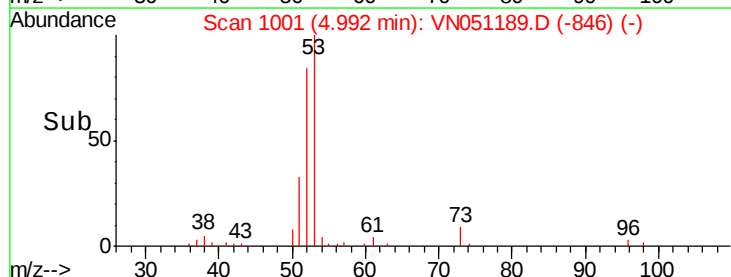
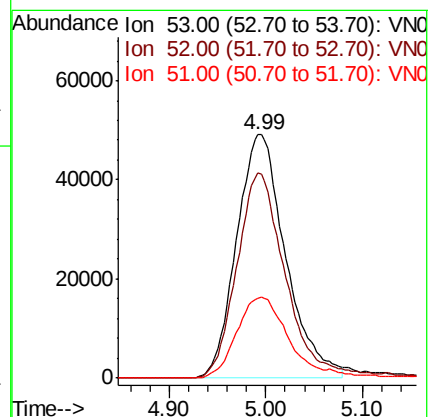
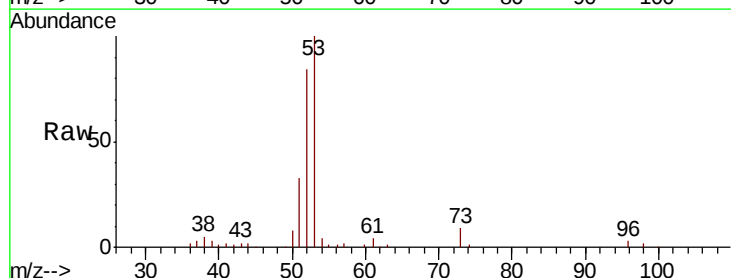
Tgt Ion: 53 Resp: 172999

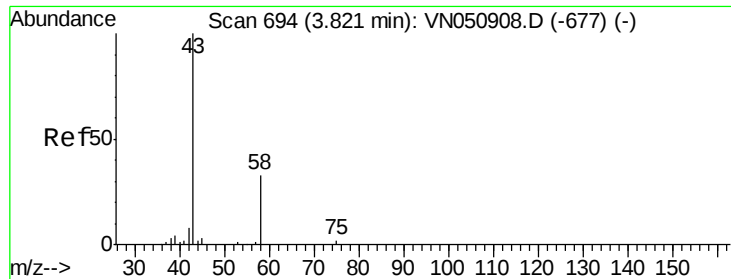
Ion Ratio Lower Upper

53 100

52 83.6 42.2 126.6

51 33.9 17.7 53.1





#15

Acetone

Concen: 126.35 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

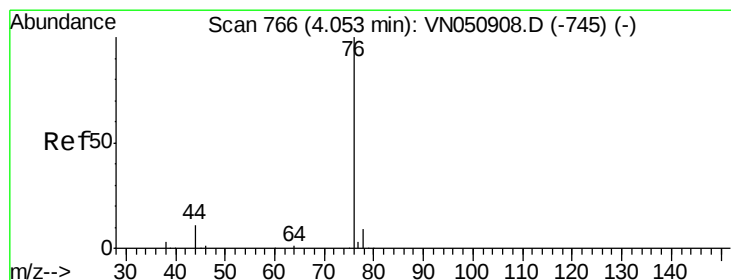
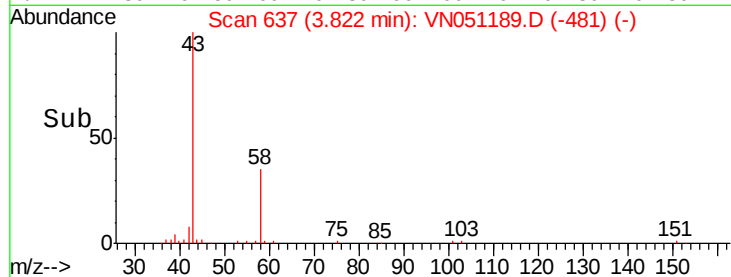
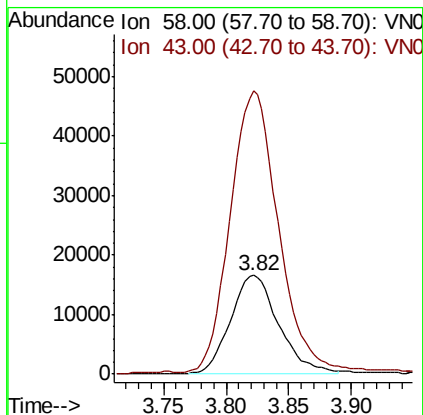
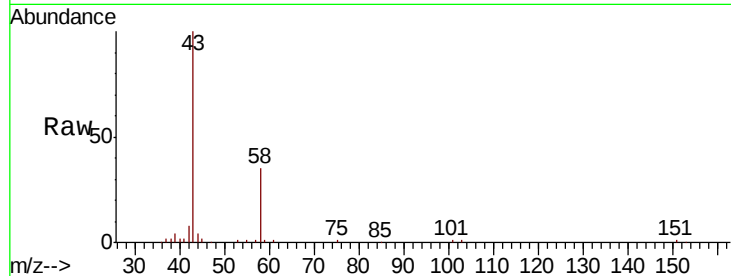
VN0914WBSD02

Tot Ion: 58 Resp: 44559

Ion Ratio Lower Upper

58 100

43 284.3 239.4 359.0



#16

Carbon Disulfide

Concen: 26.70 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051189.D

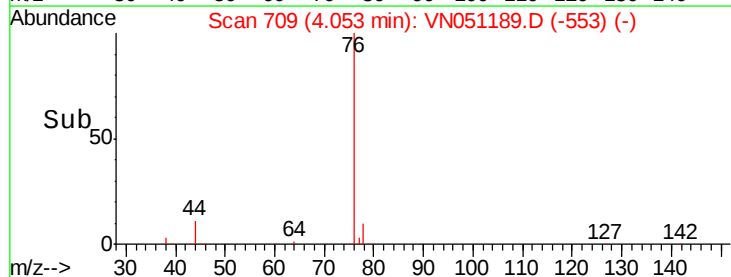
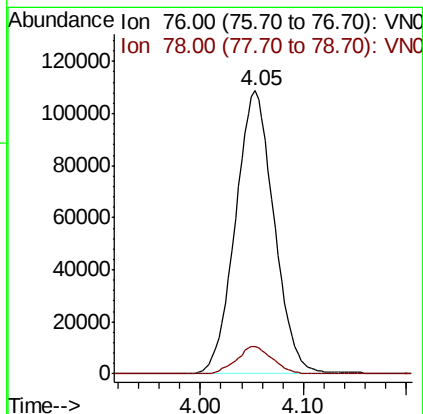
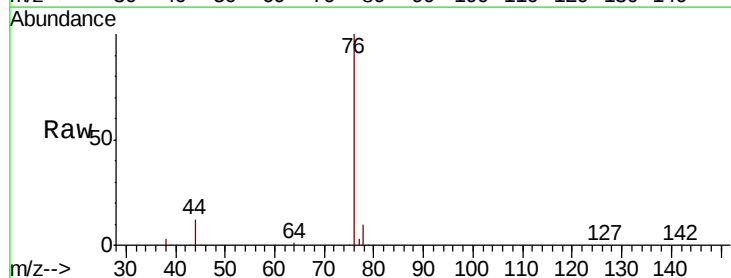
Acq: 14 Sep 2018 14:47

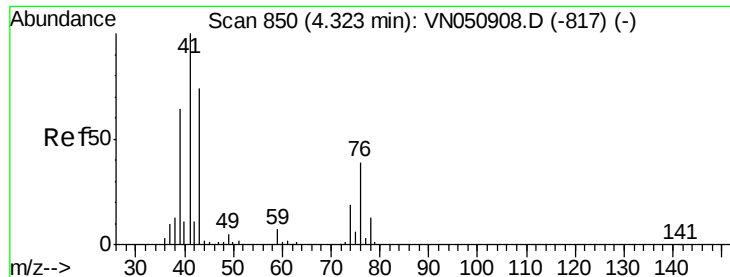
Tgt Ion: 76 Resp: 283000

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

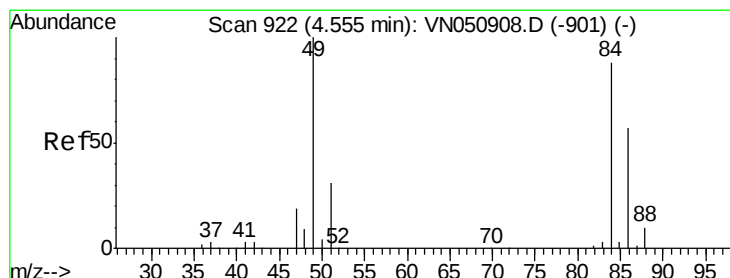
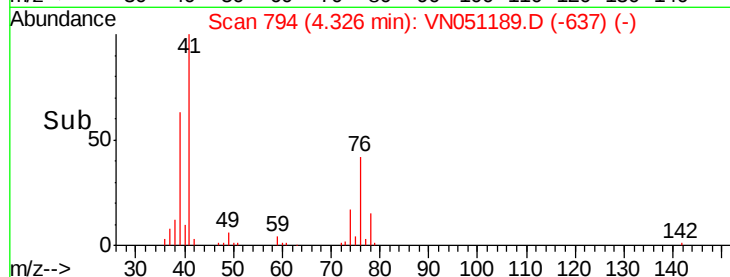
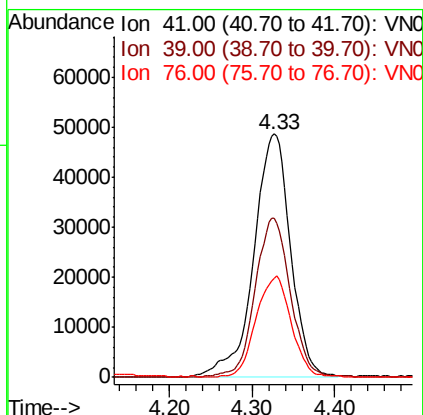
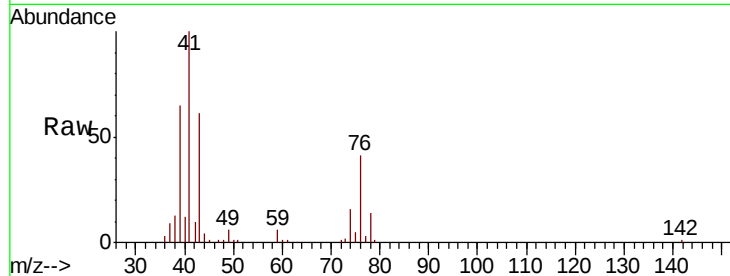




#17
Allvl chloride
Concen: 27.17 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

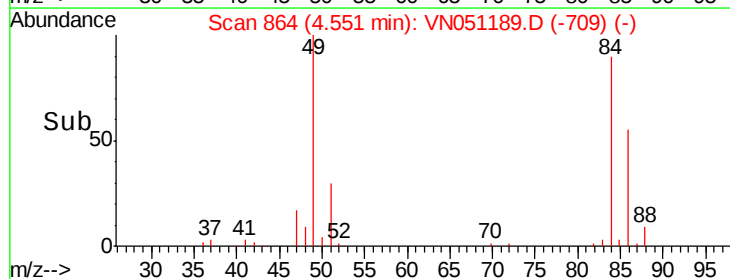
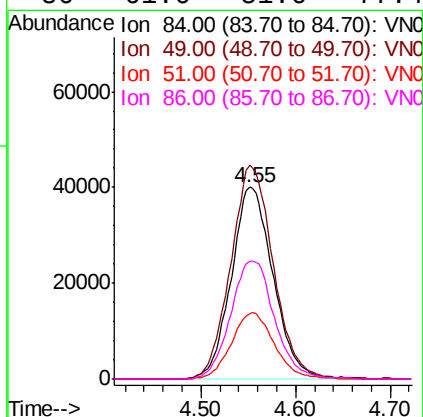
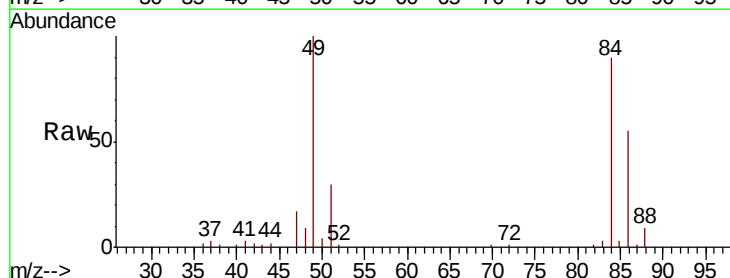
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

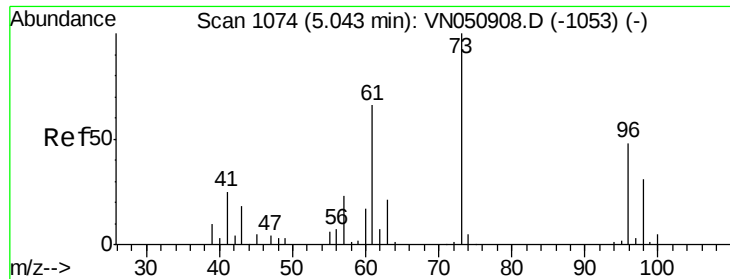
Tot Ion: 41 Resp: 150676
Ion Ratio Lower Upper
41 100
39 65.3 32.2 96.6
76 40.4 19.6 58.7



#18
Methylene Chloride
Concen: 29.78 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 84 Resp: 123227
Ion Ratio Lower Upper
84 100
49 111.1 90.6 135.8
51 33.9 28.4 42.6
86 61.6 51.6 77.4





#19

trans-1,2-Dichloroethene

Concen: 29.50 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

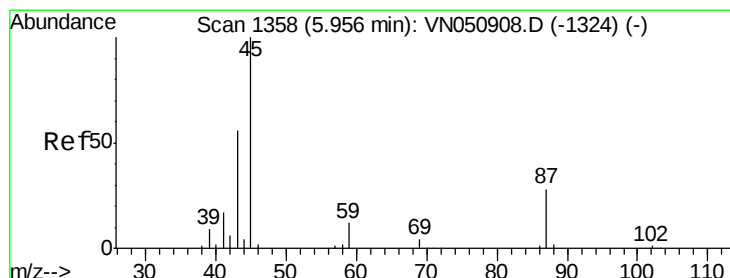
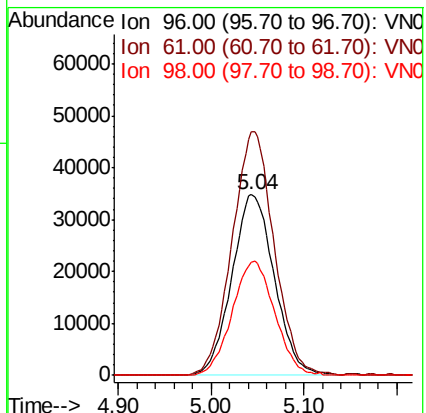
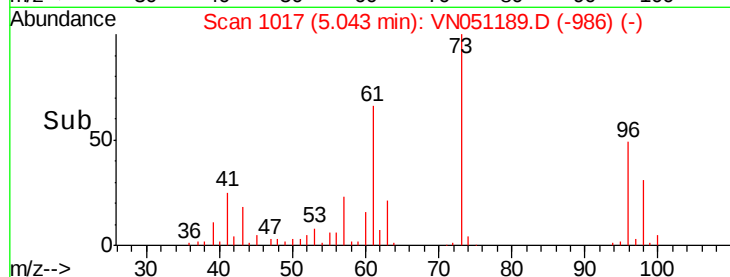
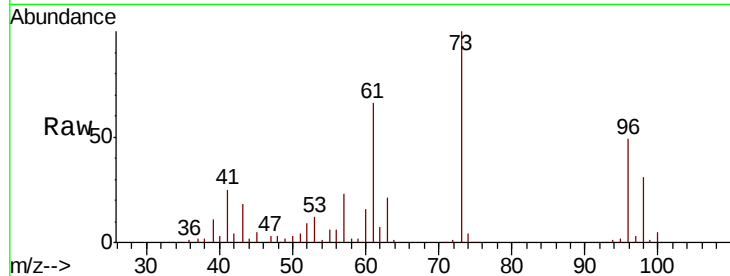
Tot Ion: 96 Resp: 110791

Ion Ratio Lower Upper

96 100

61 134.4 109.5 164.3

98 62.8 51.9 77.9



#20

Diisopropyl ether

Concen: 29.52 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Tgt Ion: 45 Resp: 339854

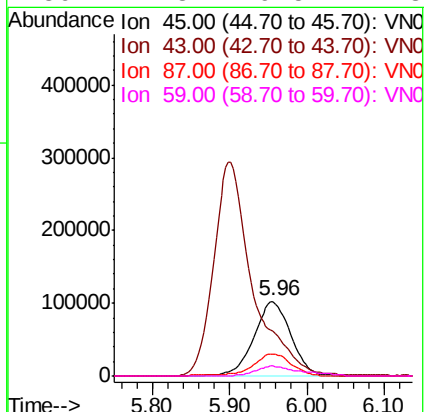
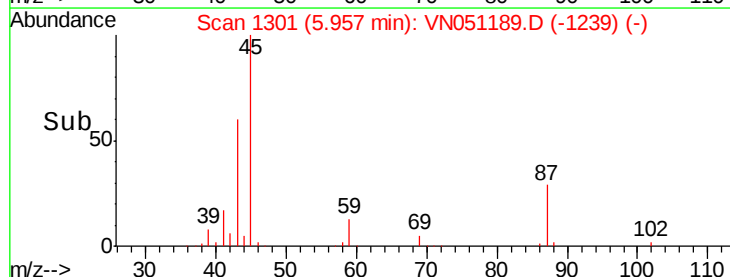
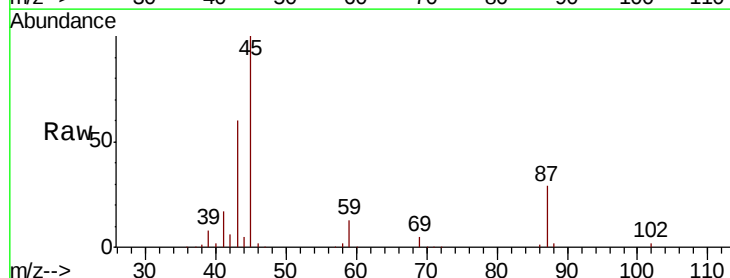
Ion Ratio Lower Upper

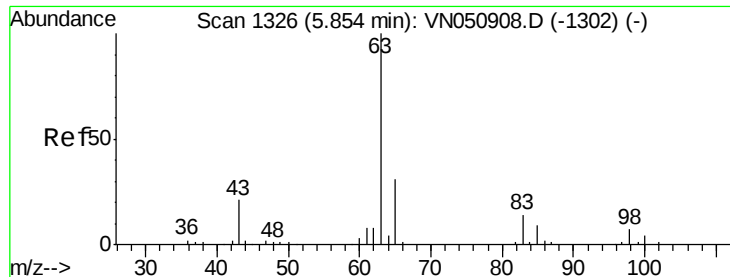
45 100

43 57.5 47.0 70.6

87 29.0 22.8 34.2

59 12.8 9.5 14.3





#21

1,1-Dichloroethane

Concen: 29.86 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

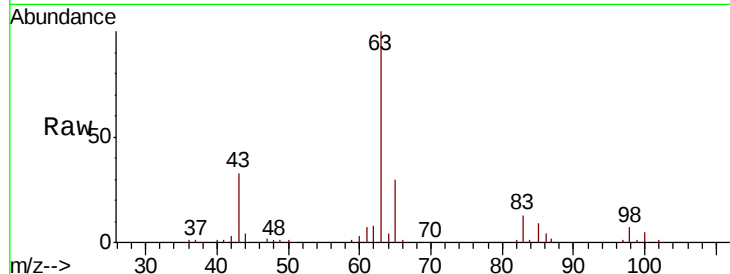
Tot Ion: 63 Resp: 210808

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

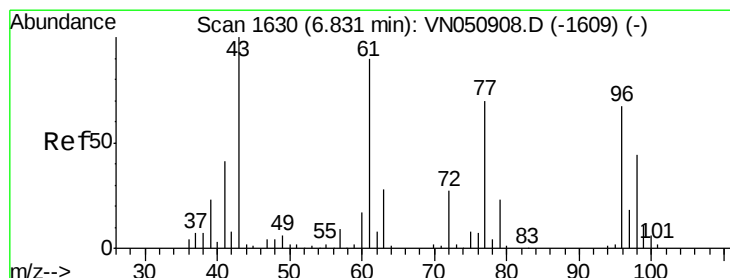
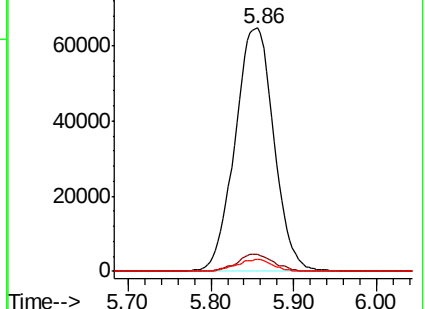
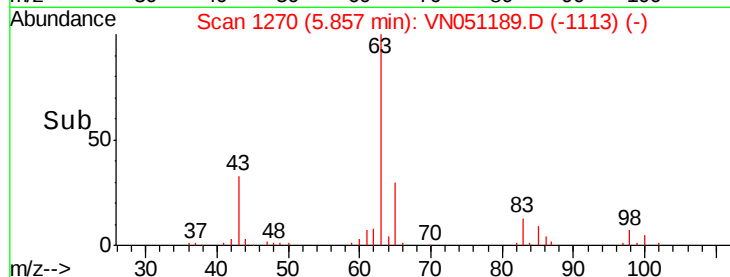
100 5.0 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN051189.D (-1270) (-)

Ion 98.00 (97.70 to 98.70): VN051189.D (-1270) (-)

Ion 100.00 (99.70 to 100.70): VN051189.D (-1270) (-)



#22

cis-1,2-Dichloroethene

Concen: 29.23 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

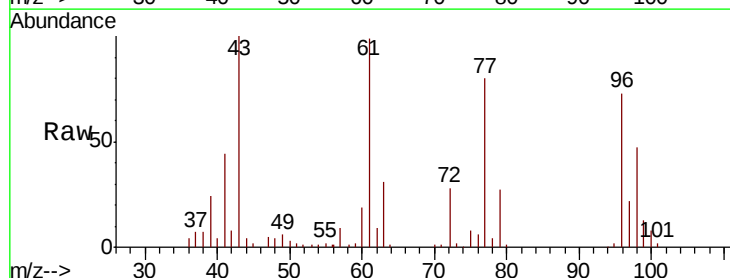
Tgt Ion: 96 Resp: 124009

Ion Ratio Lower Upper

96 100

61 140.8 110.0 165.0

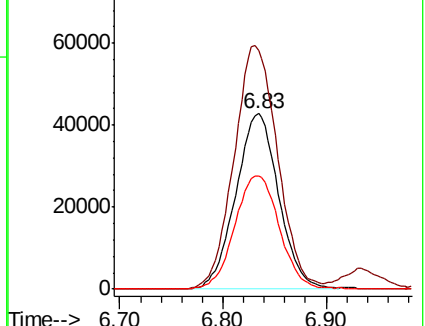
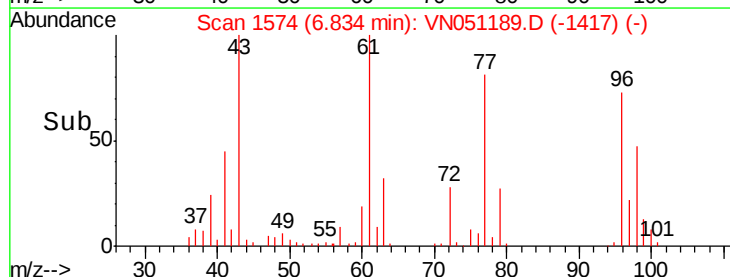
98 66.9 51.7 77.5

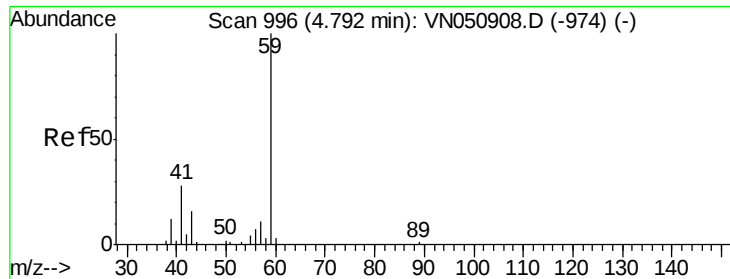


Abundance Ion 96.00 (95.70 to 96.70): VN051189.D (-1574) (-)

Ion 61.00 (60.70 to 61.70): VN051189.D (-1574) (-)

Ion 98.00 (97.70 to 98.70): VN051189.D (-1574) (-)





#23

tert-Butyl Alcohol

Concen: 54.10 ug/l

RT: 4.79 min Scan# 937

Delta R.T. -0.01 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampled :

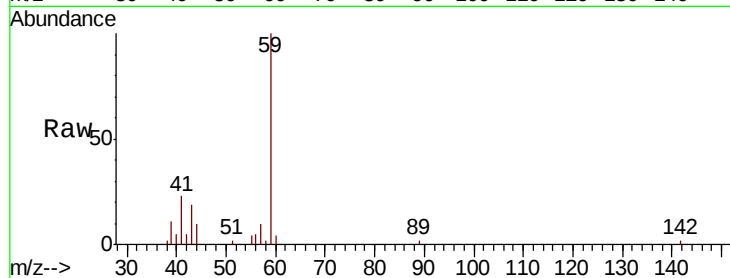
VN0914WBSD02

Tot Ion: 59 Resp: 15857

Ion Ratio Lower Upper

59 100

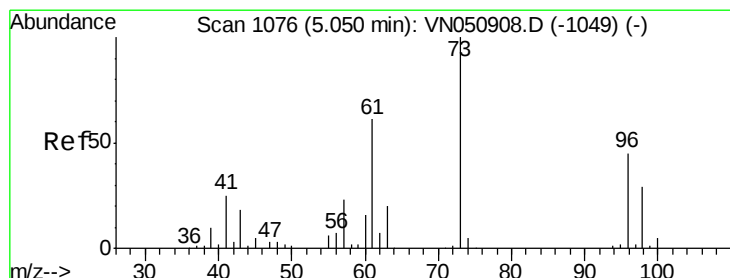
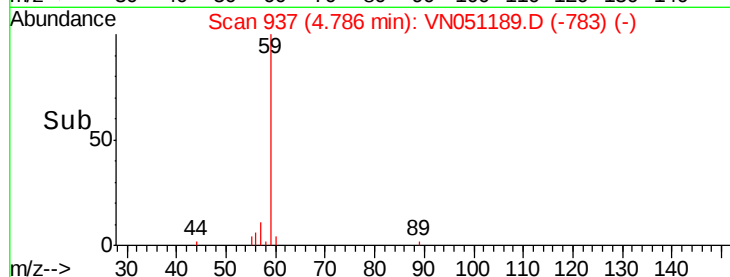
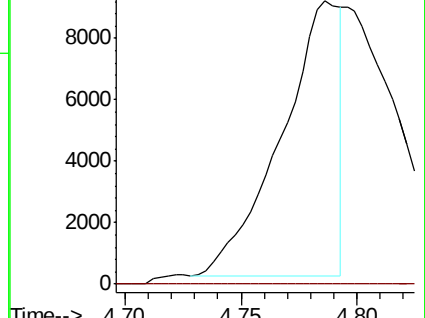
52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN050908.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN050908.D (-974) (-)

4.79



#24

Methyl tert-Butyl Ether

Concen: 27.60 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051189.D

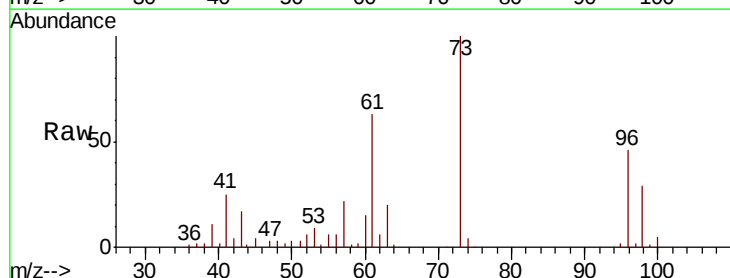
Acq: 14 Sep 2018 14:47

Tgt Ion: 73 Resp: 266072

Ion Ratio Lower Upper

73 100

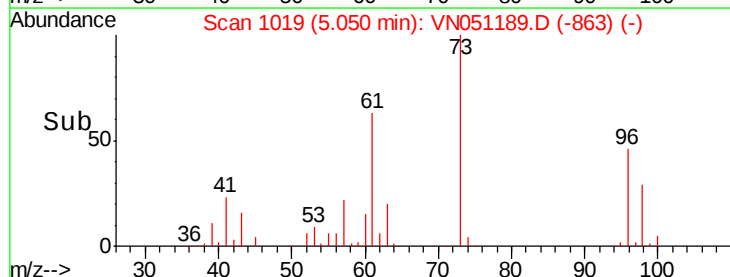
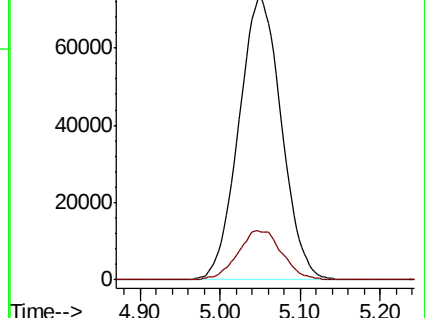
43 10.4 14.4 21.6#

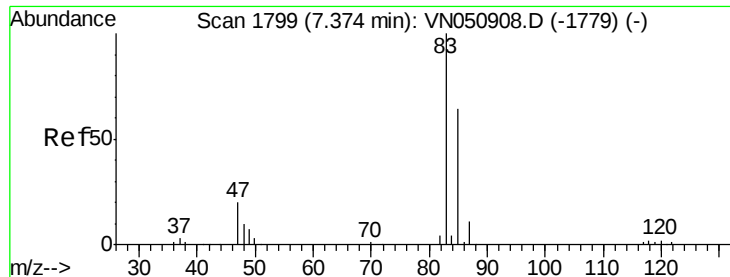


Abundance Ion 73.00 (72.70 to 73.70): VN050908.D (-1049) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-1049) (-)

5.05

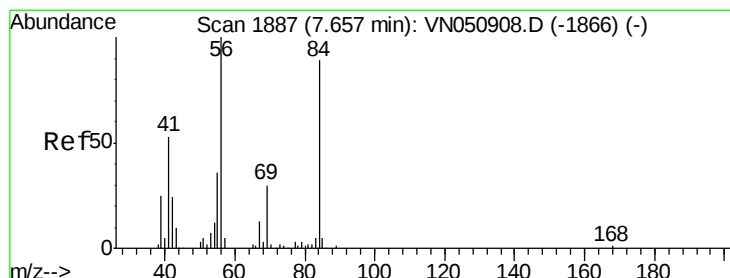
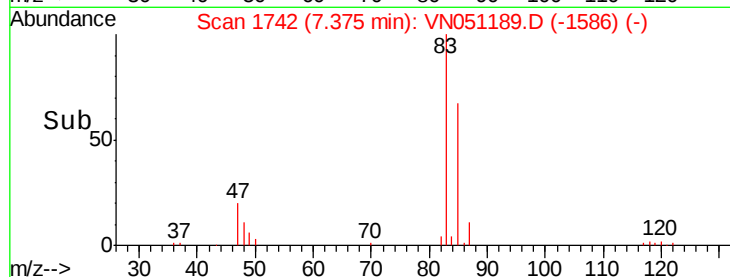
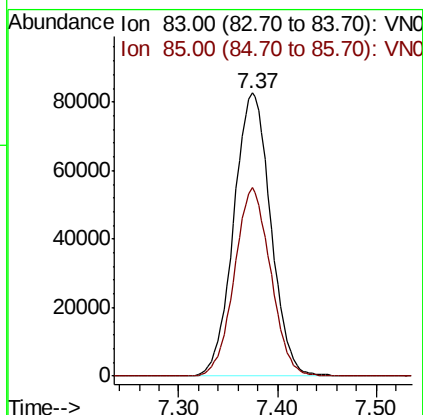
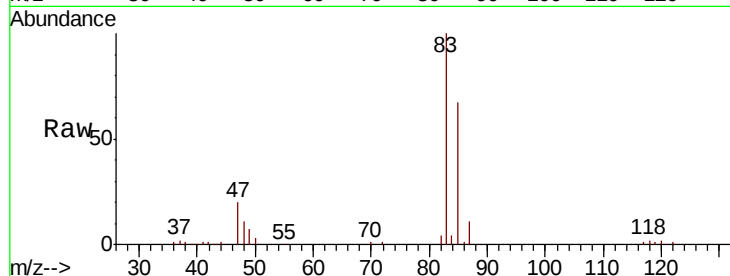




#25
Chloroform
Concen: 30.51 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

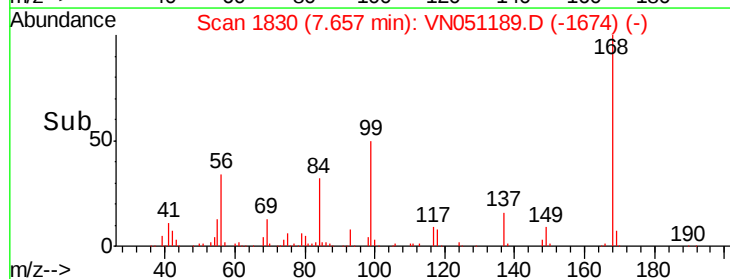
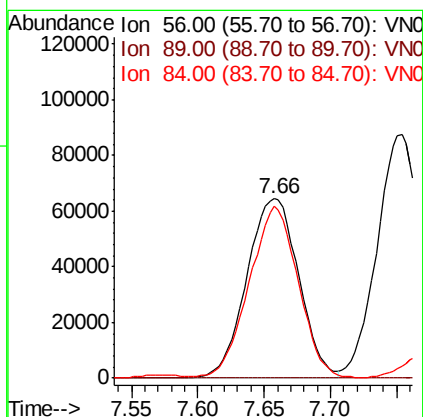
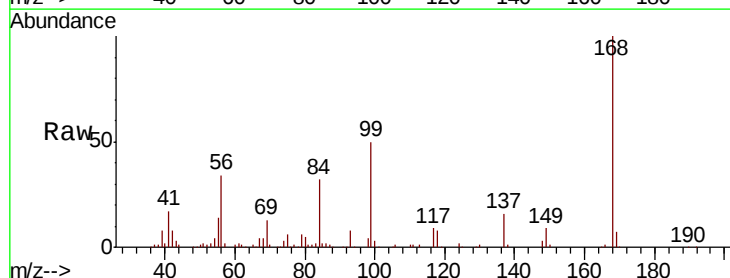
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

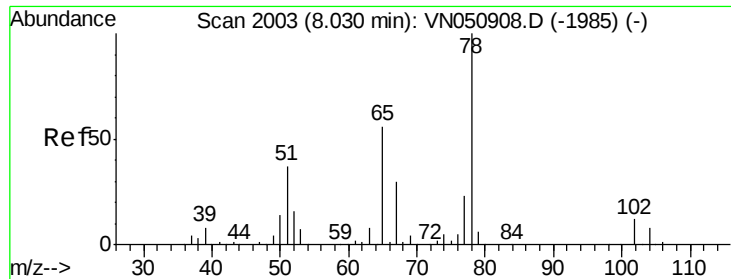
Tot Ion: 83 Resp: 214941
Ion Ratio Lower Upper
83 100
85 66.5 51.4 77.0



#26
Cyclohexane
Concen: 30.00 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 56 Resp: 175434
Ion Ratio Lower Upper
56 100
89 0.0 0.4 0.6#
84 90.3 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 73.29 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

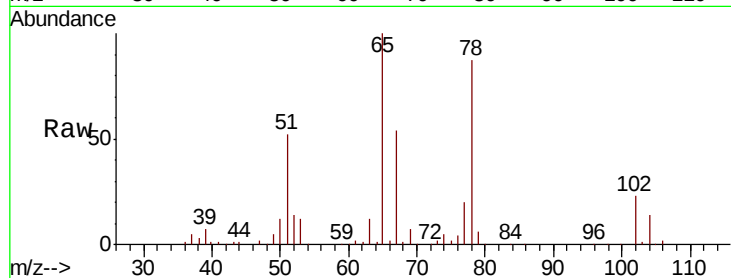
VN0914WBSD02

Tot Ion: 65 Resp: 305101

Ion Ratio Lower Upper

65 100

67 54.7 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

150000

100000

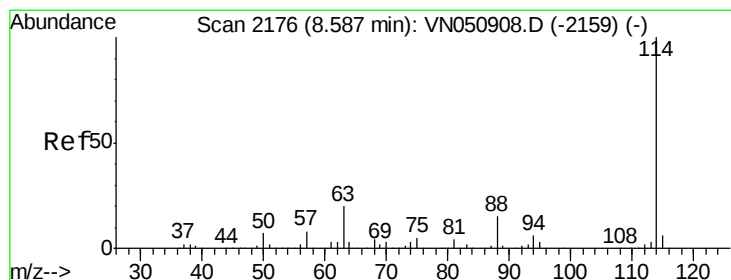
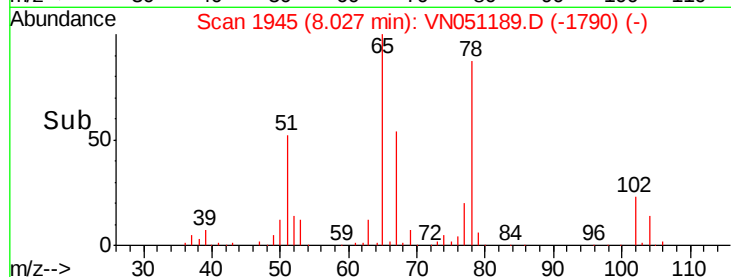
50000

0

8.03

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

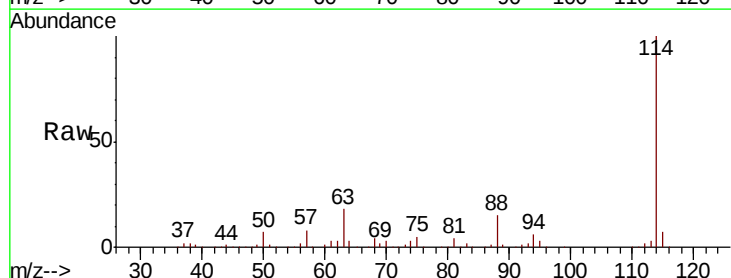
Tgt Ion: 114 Resp: 783632

Ion Ratio Lower Upper

114 100

63 18.9 15.6 23.4

88 15.3 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

500000

400000

300000

200000

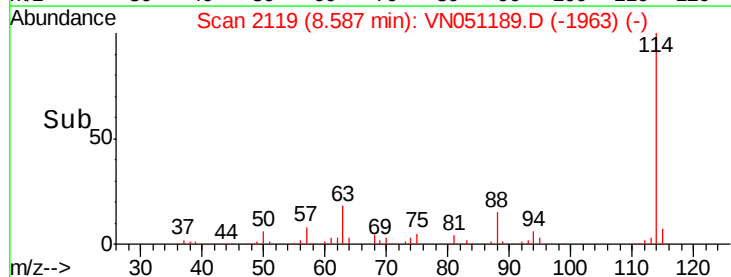
100000

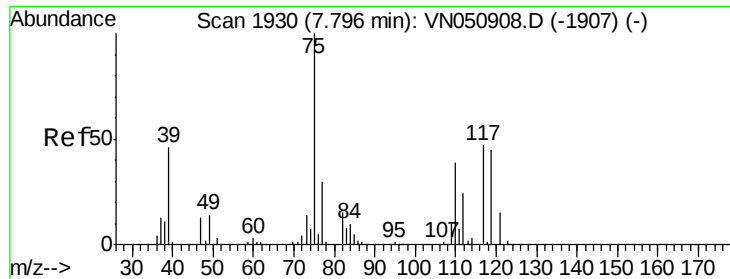
0

8.59

8.50 8.55 8.60 8.65 8.70

Time-->





#29

1,1-Dichloropropene

Concen: 13.29 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

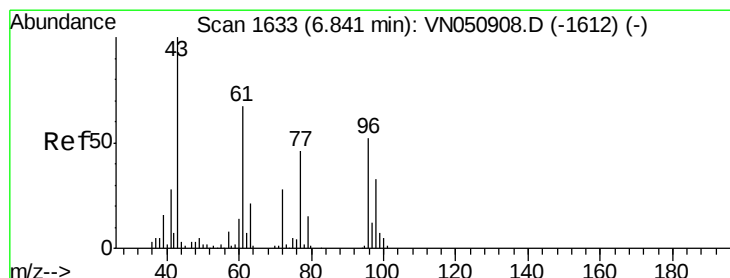
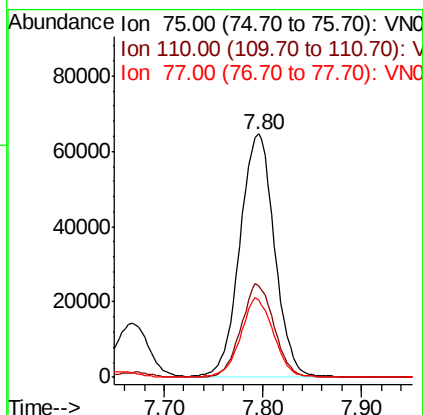
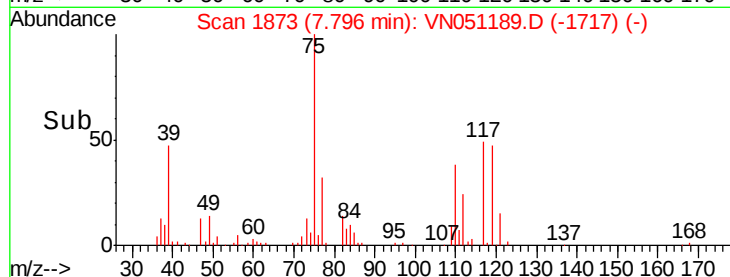
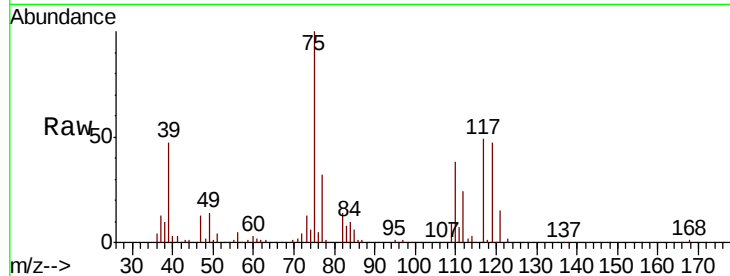
Tot Ion: 75 Resp: 155950

Ion Ratio Lower Upper

75 100

110 37.0 0.0 75.0

77 31.3 0.0 60.6



#30

2-Butanone

Concen: 51.43 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

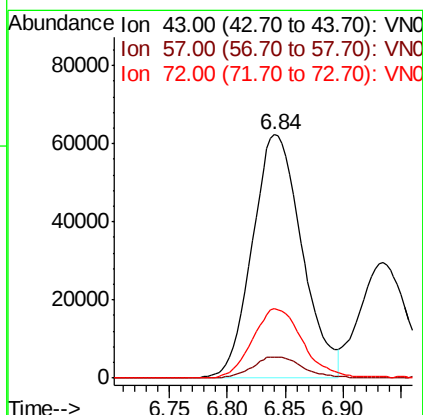
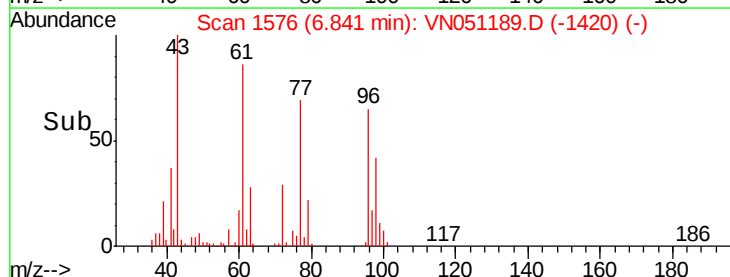
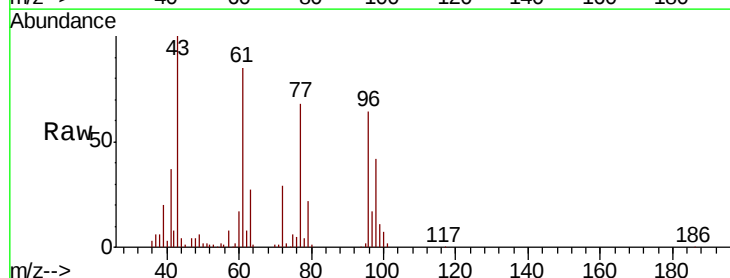
Tgt Ion: 43 Resp: 185620

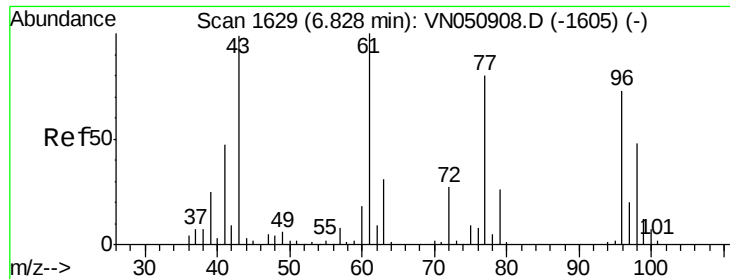
Ion Ratio Lower Upper

43 100

57 4.1 6.9 10.3#

72 28.8 22.8 34.2

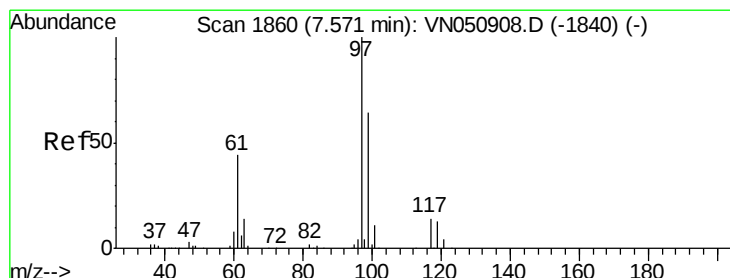
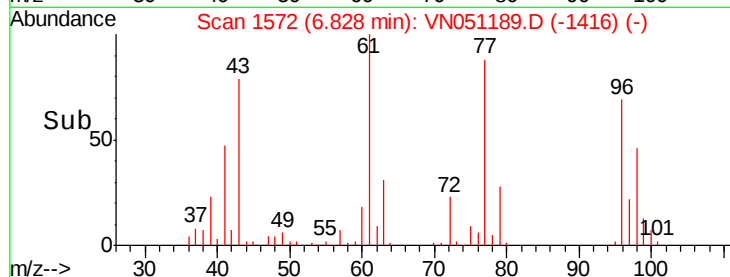
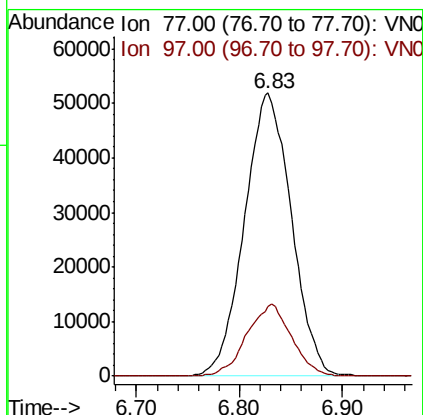
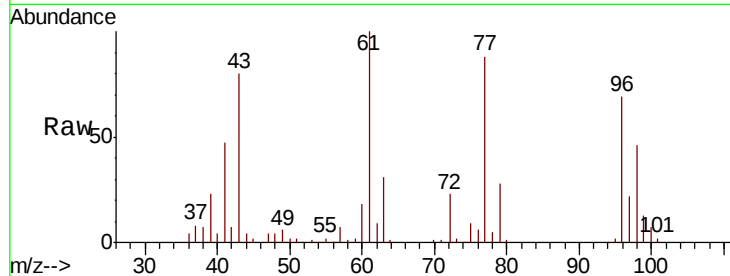




#31
 2,2-Dichloropropane
 Concen: 14.36 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

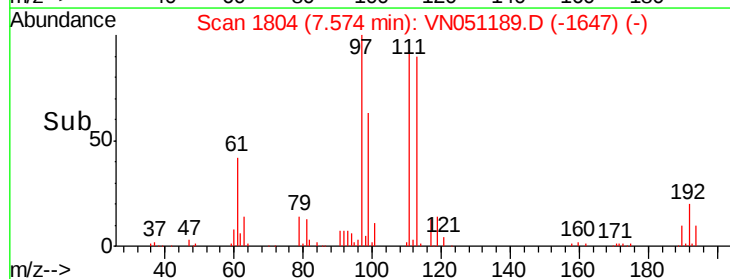
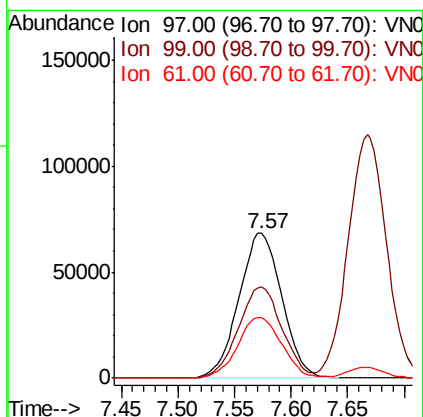
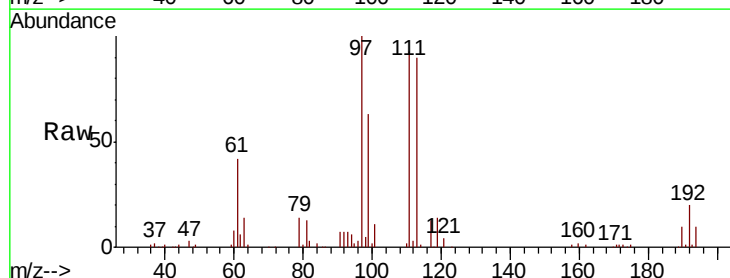
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

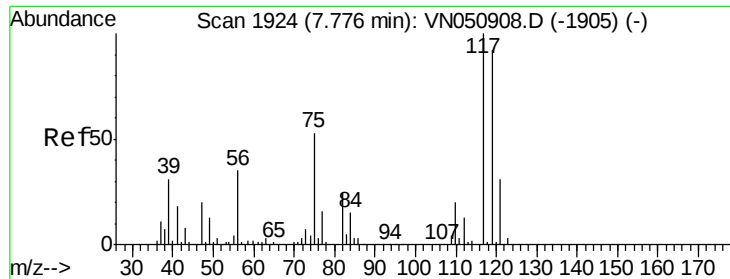
Tot Ion: 77 Resp: 163891
 Ion Ratio Lower Upper
 77 100
 97 24.2 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 13.61 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 97 Resp: 181061
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.0 78.0
 61 42.8 35.0 52.6

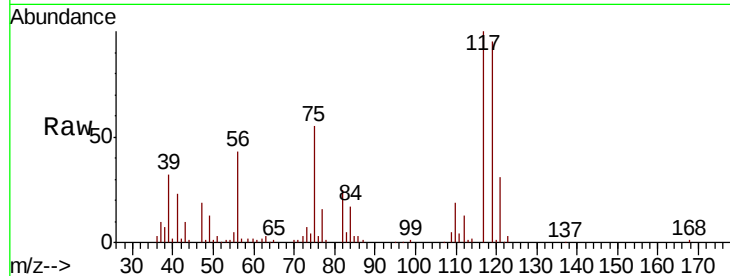




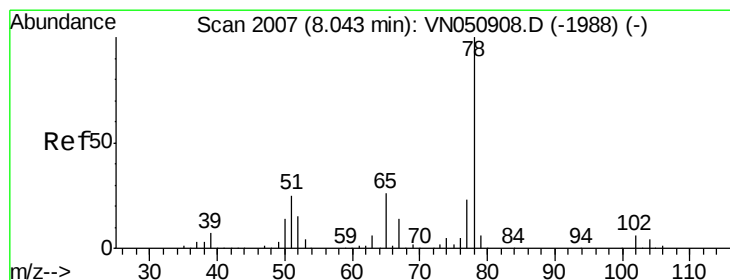
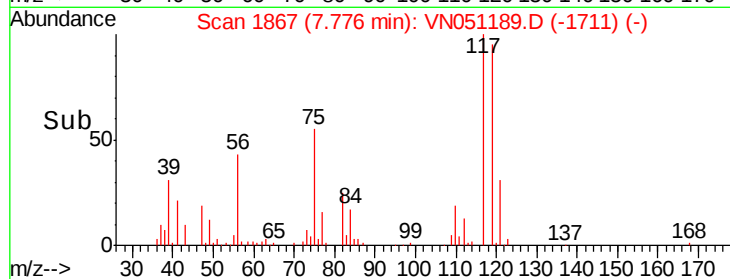
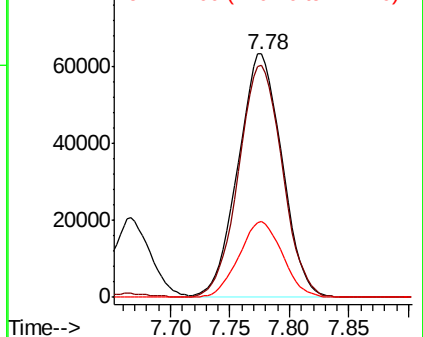
#33
Carbon Tetrachloride
Concen: 13.51 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion:117 Resp: 161874
Ion Ratio Lower Upper
117 100
119 95.1 73.5 110.3
121 31.2 24.6 37.0

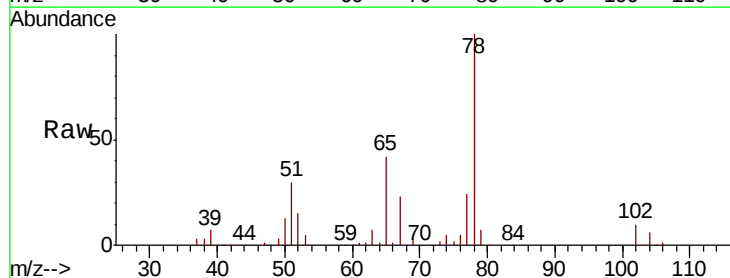


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

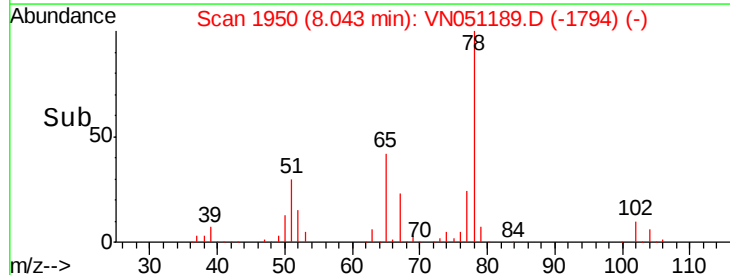
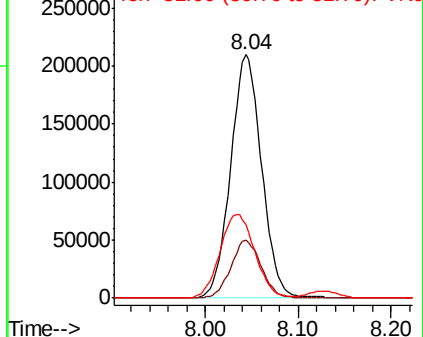


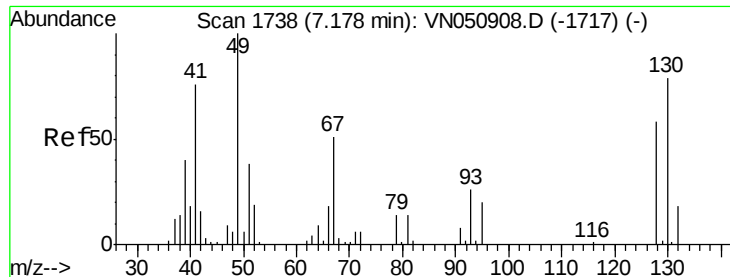
#34
Benzene
Concen: 13.38 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 78 Resp: 485649
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0
51 29.8 20.0 30.0



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

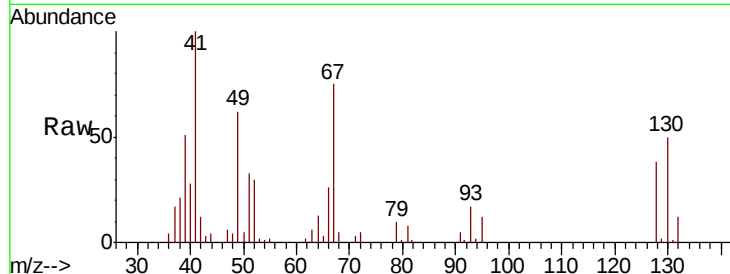




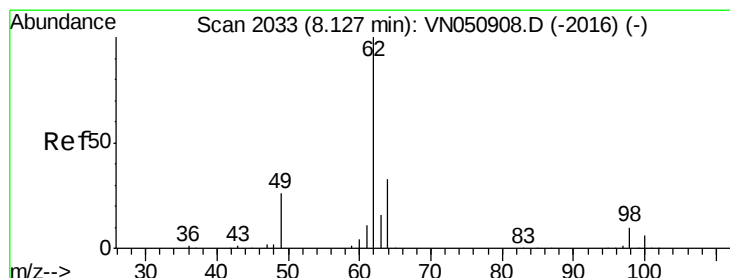
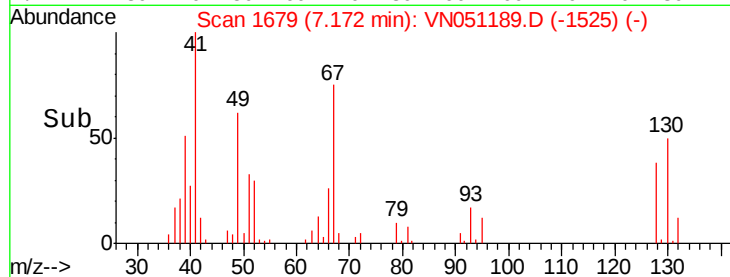
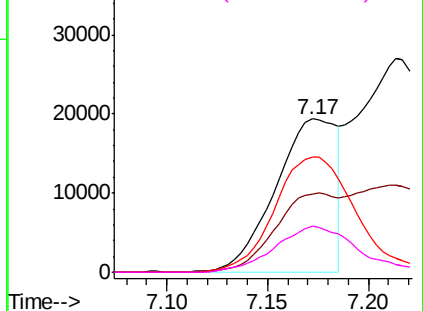
#35
Methacrylonitrile
Concen: 10.35 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion: 41 Resp: 40926
Ion Ratio Lower Upper
41 100
39 50.9 26.2 78.5
67 75.2 33.9 101.6
52 29.9 12.5 37.5

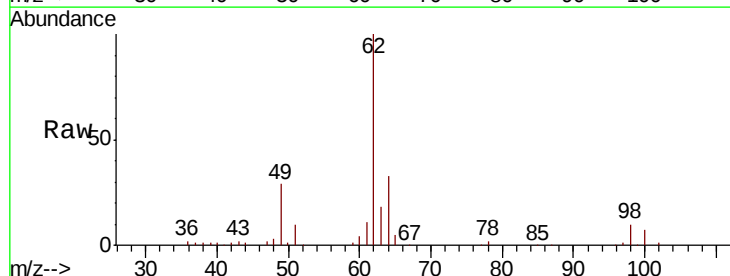


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

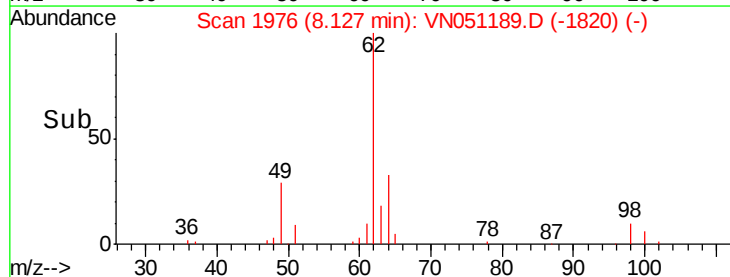
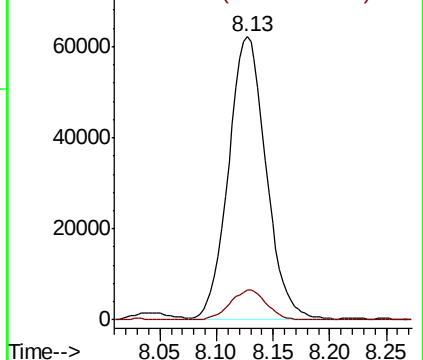


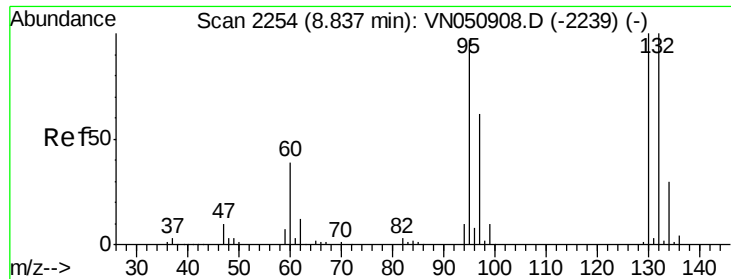
#36
1,2-Dichloroethane
Concen: 12.98 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 62 Resp: 142472
Ion Ratio Lower Upper
62 100
98 10.4 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

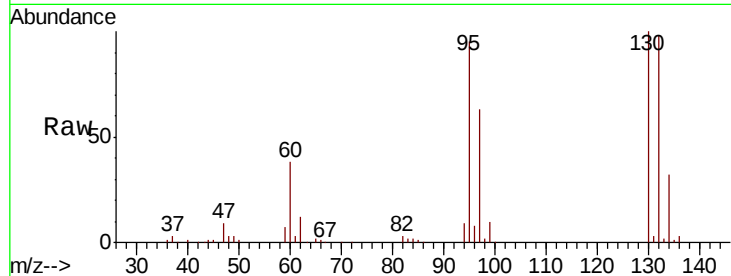




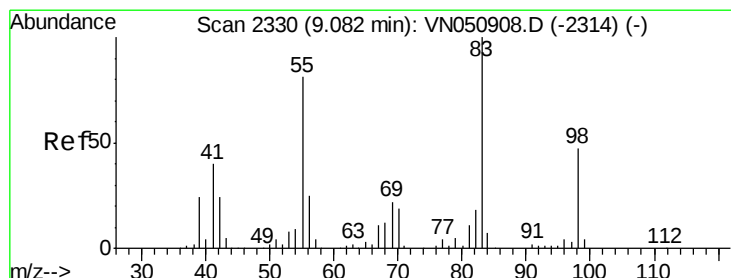
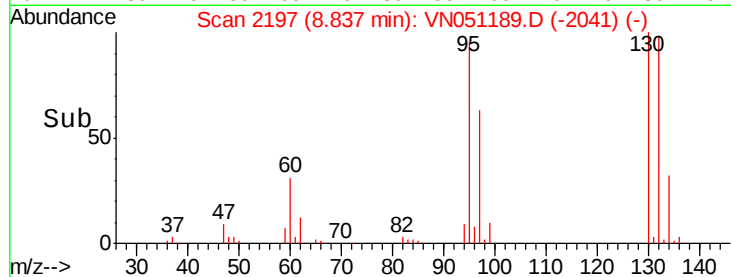
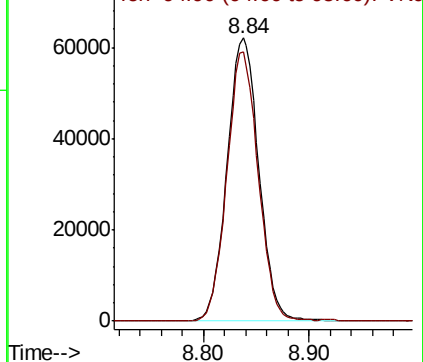
#37
 Trichloroethene
 Concen: 13.66 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Tot Ion:130 Resp: 129557
 Ion Ratio Lower Upper
 130 100
 95 95.2 77.4 116.0

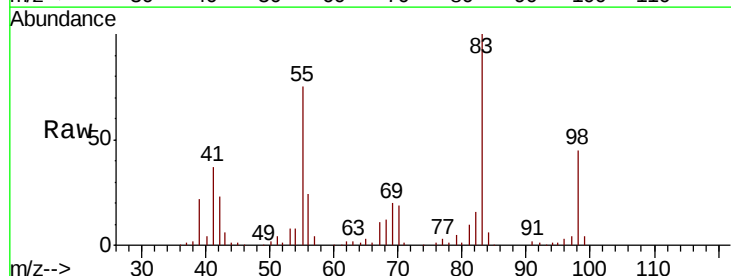


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

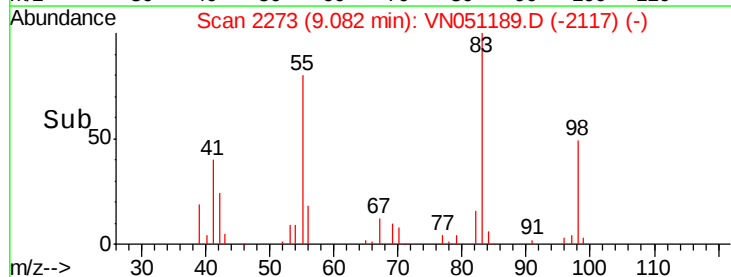
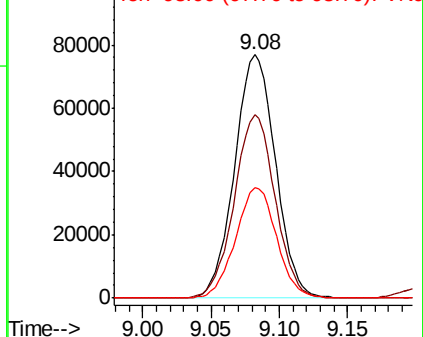


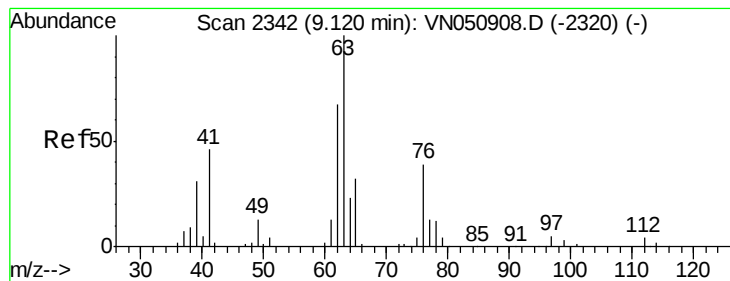
#38
 Methylcyclohexane
 Concen: 12.71 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 83 Resp: 160106
 Ion Ratio Lower Upper
 83 100
 55 75.1 38.9 116.7
 98 45.7 22.9 68.7



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





#39

1,2-Dichloropropane

Concen: 13.65 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

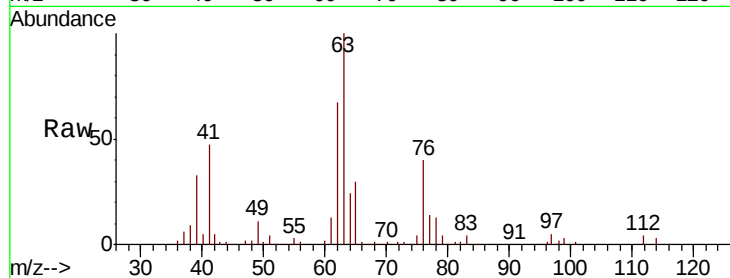
VN0914WBSD02

Tot Ion: 63 Resp: 129406

Ion Ratio Lower Upper

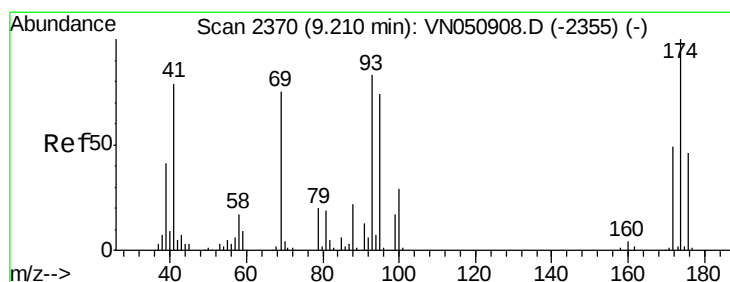
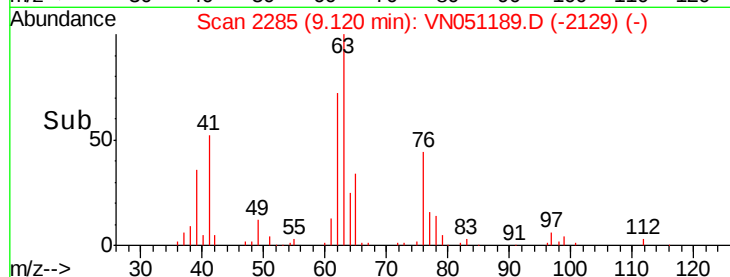
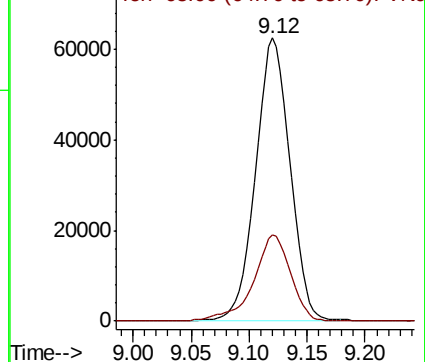
63 100

65 30.5 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 12.92 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

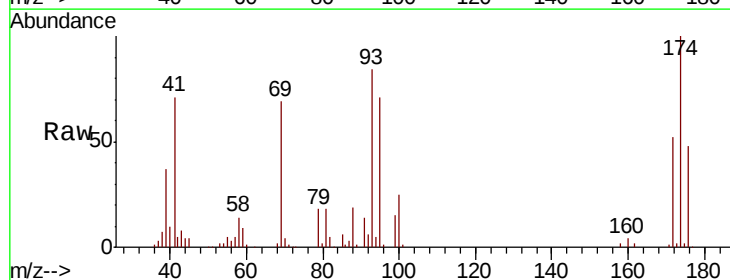
Tgt Ion: 93 Resp: 73745

Ion Ratio Lower Upper

93 100

95 84.6 0.0 173.4

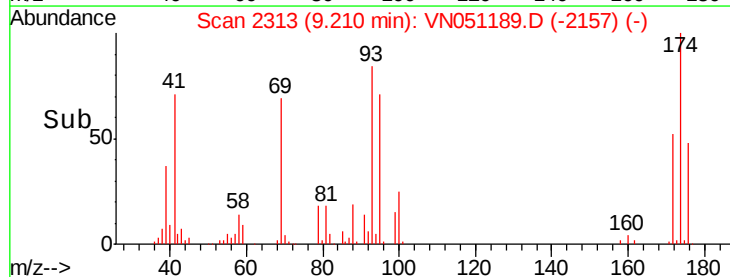
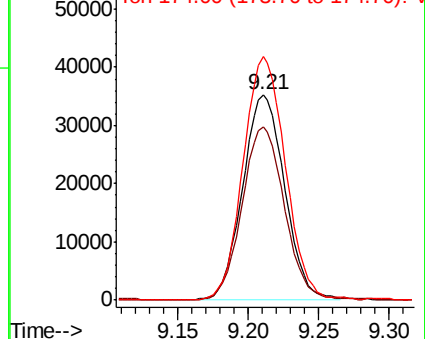
174 118.6 0.0 234.8

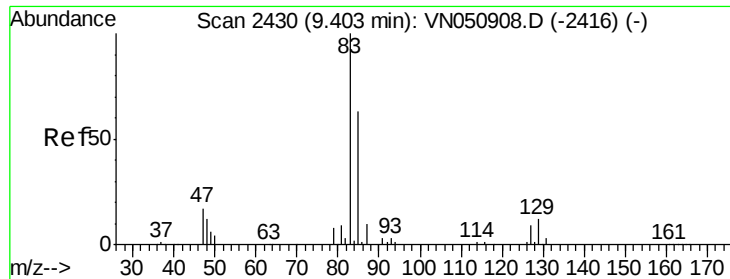


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 13.29 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

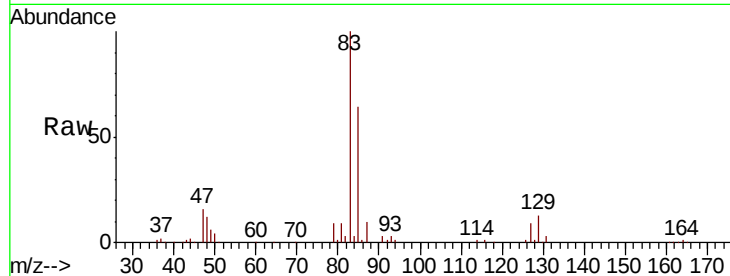
Tot Ion: 83 Resp: 159982

Ion Ratio Lower Upper

83 100

85 64.0 50.6 76.0

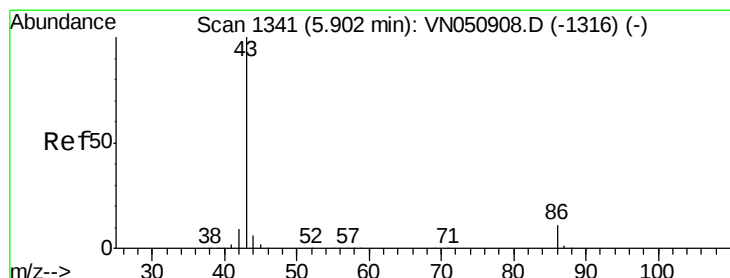
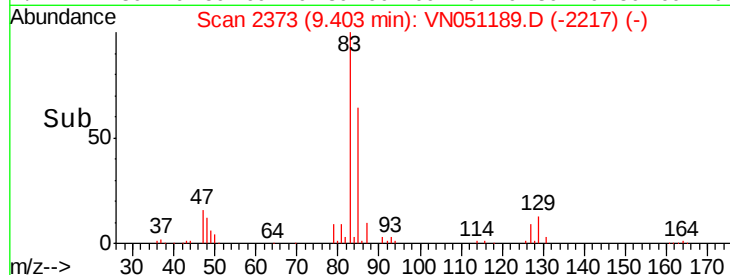
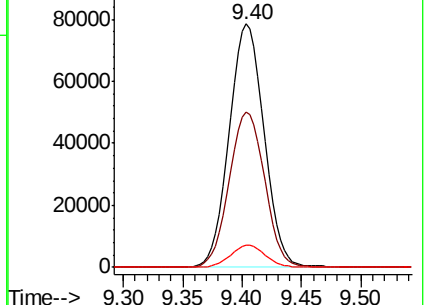
127 9.2 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 61.96 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051189.D

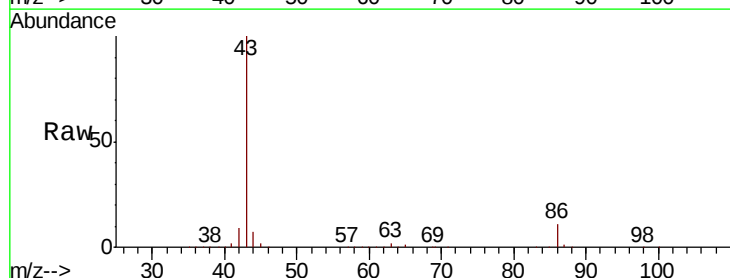
Acq: 14 Sep 2018 14:47

Tgt Ion: 43 Resp: 1030021

Ion Ratio Lower Upper

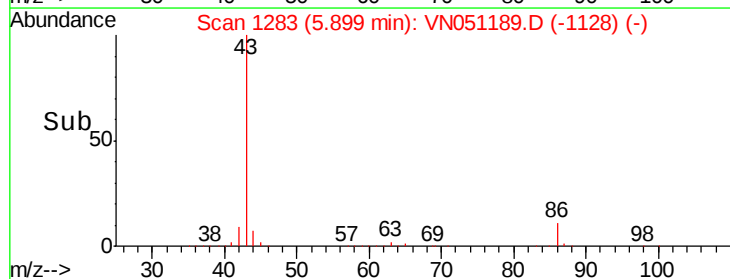
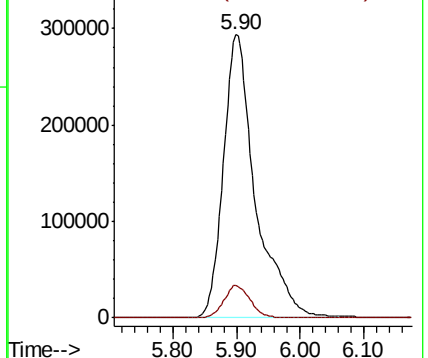
43 100

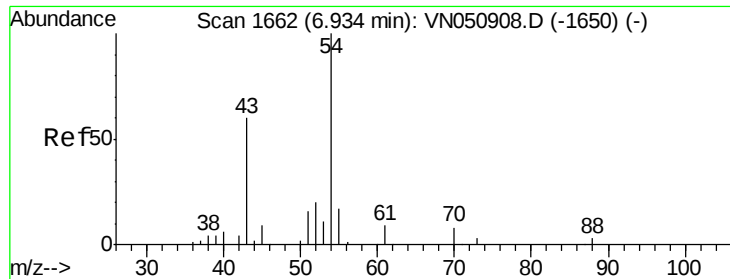
86 9.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 11.75 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleID :

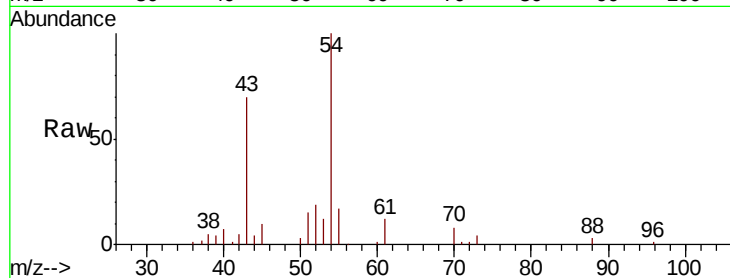
VN0914WBSD02

Tot Ion: 43 Resp: 86844

Ion Ratio Lower Upper

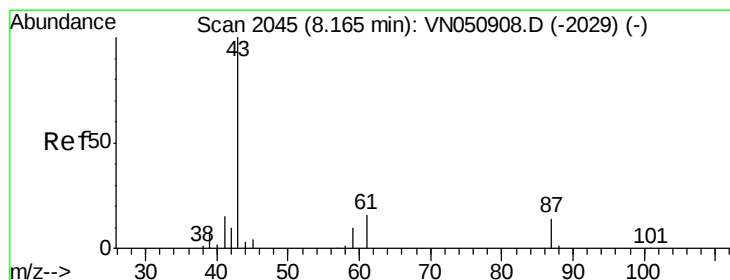
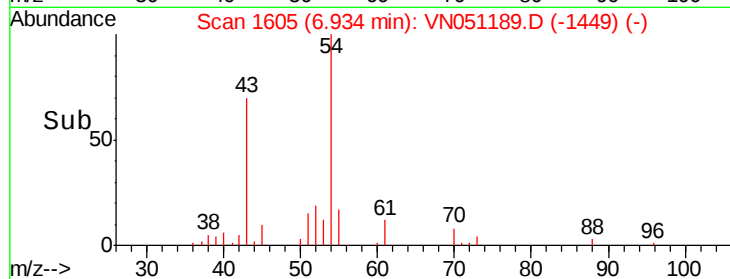
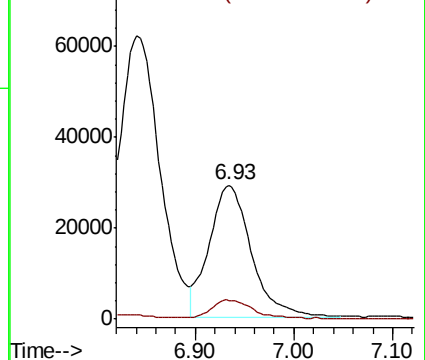
43 100

45 12.6 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 11.68 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051189.D

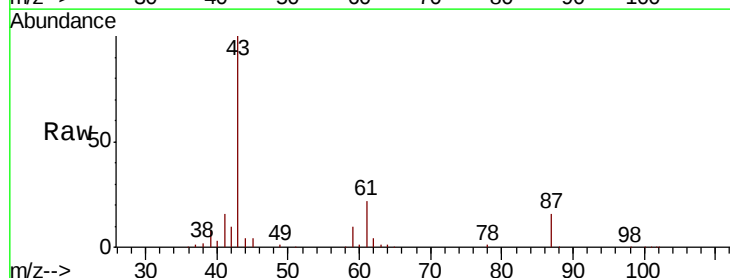
Acq: 14 Sep 2018 14:47

Tgt Ion: 43 Resp: 152357

Ion Ratio Lower Upper

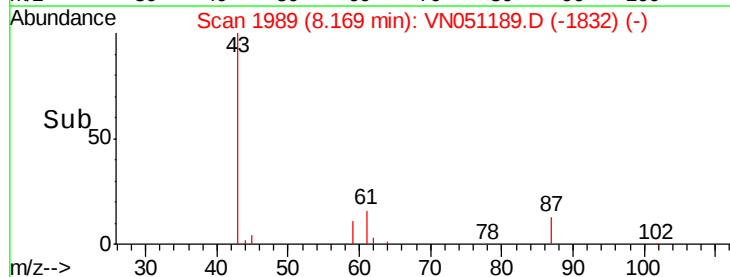
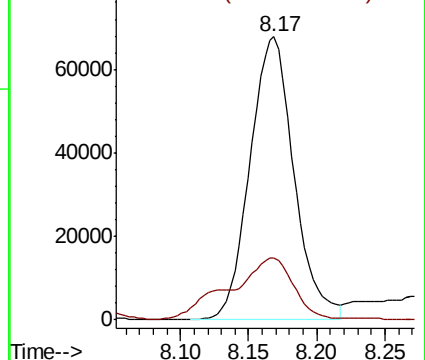
43 100

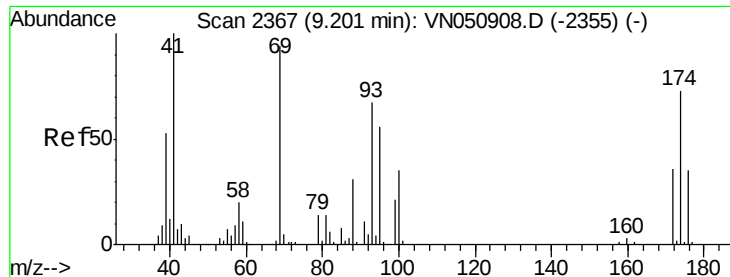
61 21.1 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 210.71 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

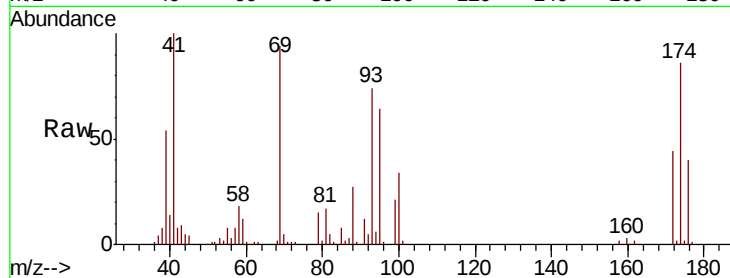
Tot Ion: 88 Resp: 20420

Ion Ratio Lower Upper

88 100

43 29.7 23.5 35.3

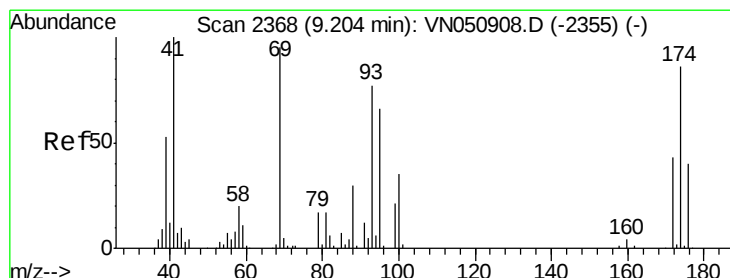
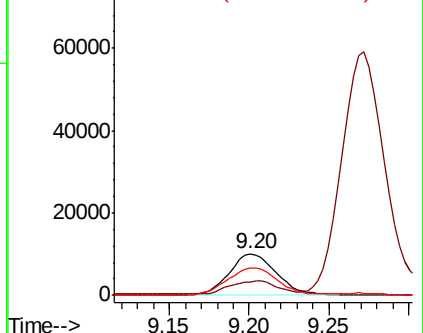
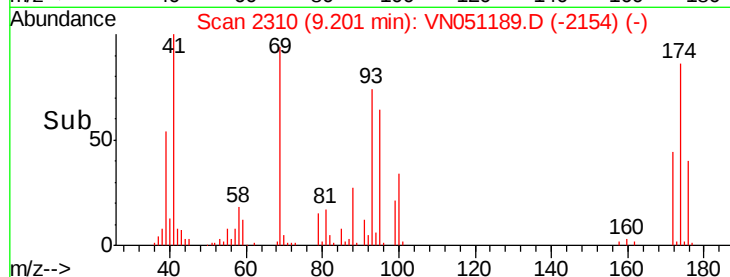
58 70.9 55.2 82.8



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 10.59 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

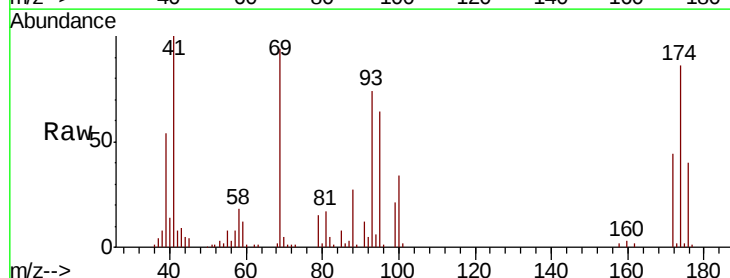
Tgt Ion: 41 Resp: 69168

Ion Ratio Lower Upper

41 100

69 95.8 47.4 142.2

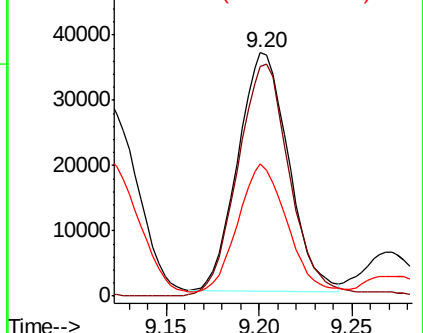
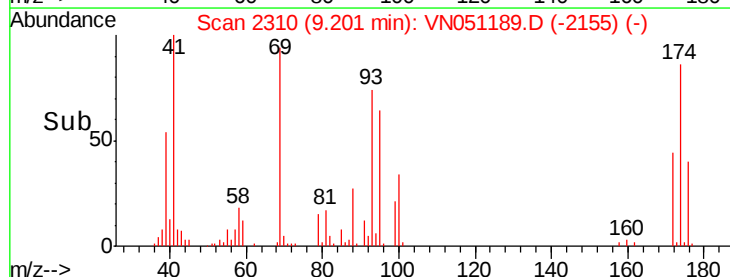
39 53.8 26.6 79.7

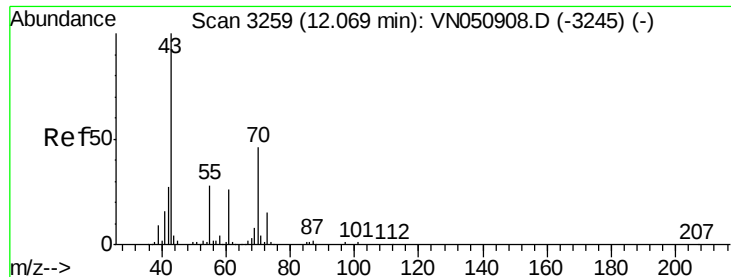


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 9.94 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

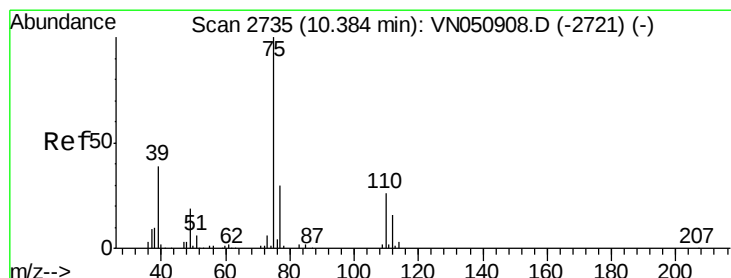
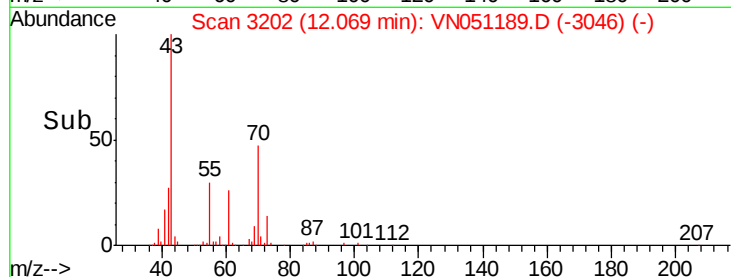
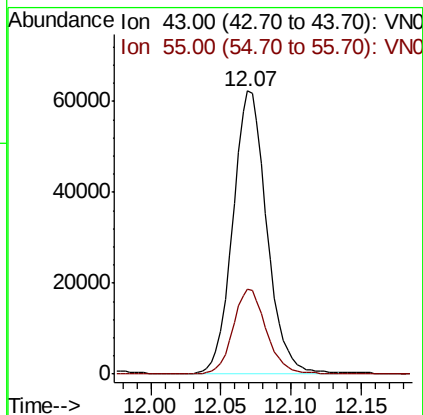
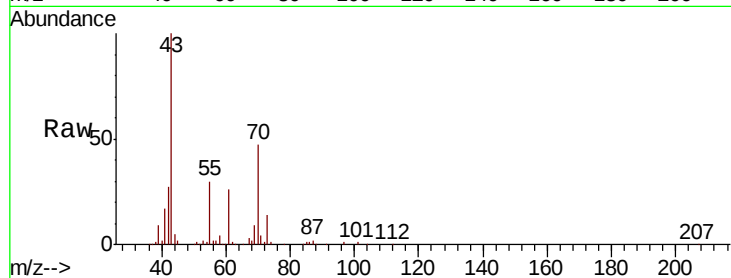
VN0914WBSD02

Tot Ion: 43 Resp: 104279

Ion Ratio Lower Upper

43 100

55 29.6 23.0 34.4



#48

t-1,3-Dichloropropene

Concen: 12.41 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051189.D

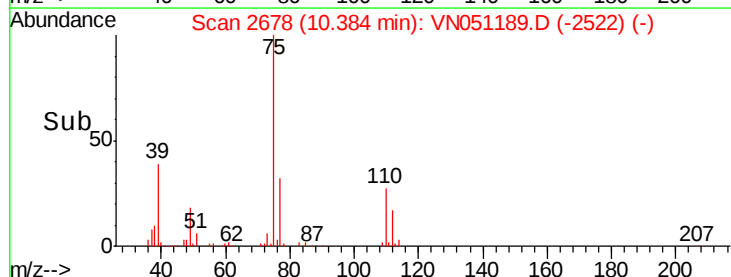
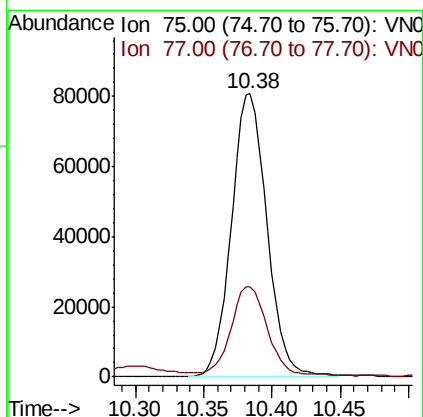
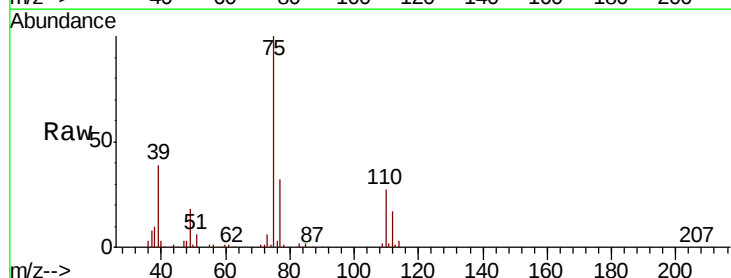
Acq: 14 Sep 2018 14:47

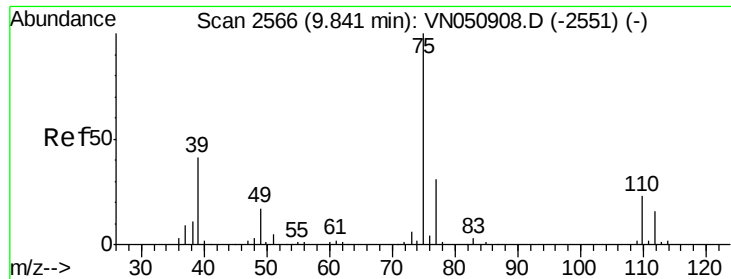
Tgt Ion: 75 Resp: 146461

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

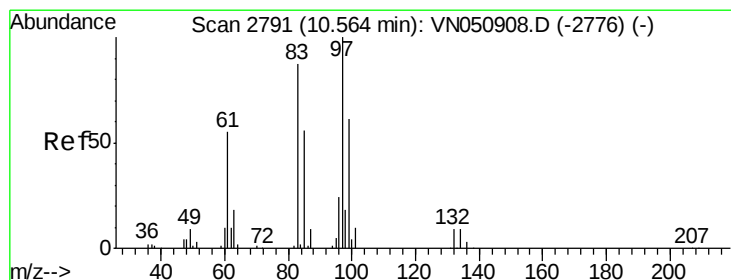
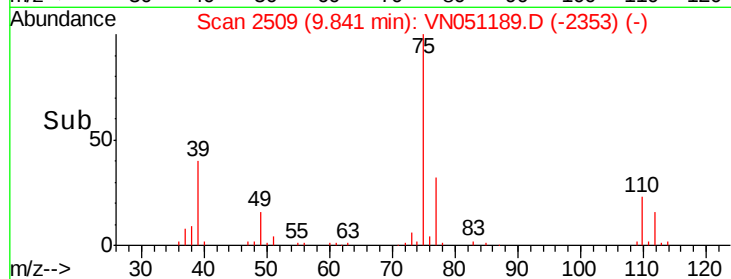
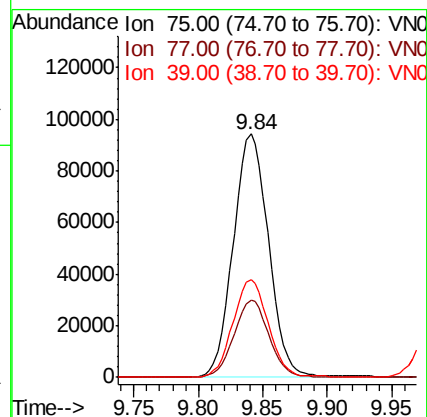
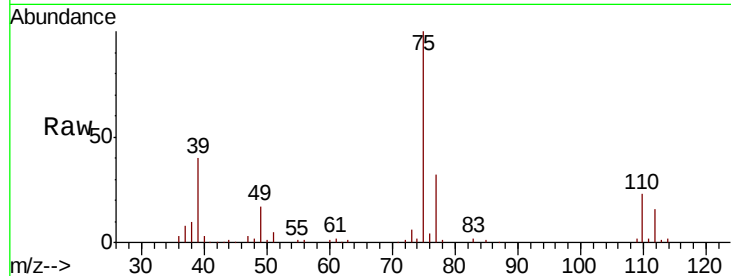




#49
 cis-1,3-Dichloropropene
 Concen: 13.26 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

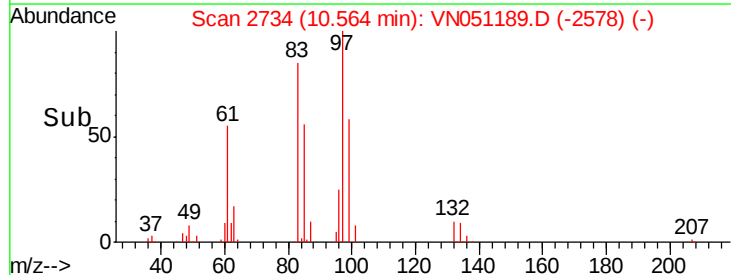
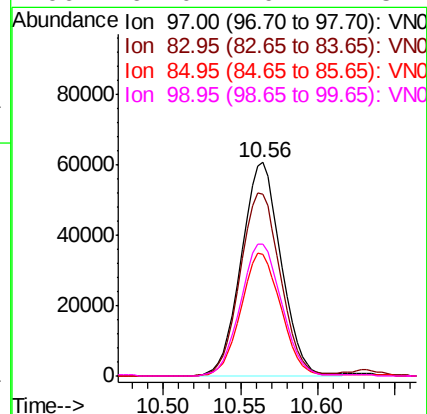
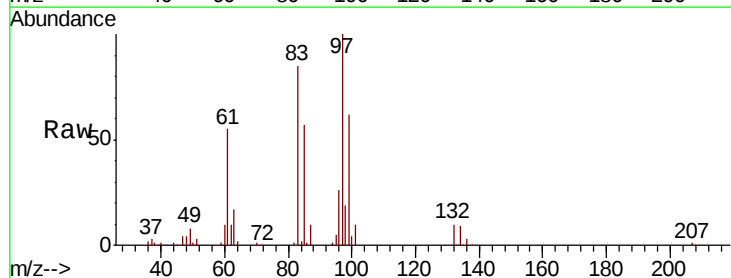
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

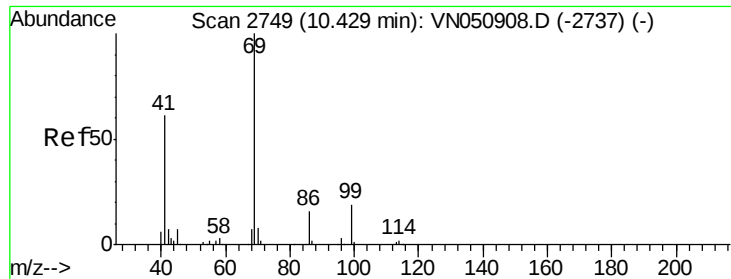
Tot Ion: 75 Resp: 179782
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.4
 39 40.3 32.9 49.3



#50
 1,1,2-Trichloroethane
 Concen: 13.13 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 97 Resp: 108947
 Ion Ratio Lower Upper
 97 100
 83 85.1 69.8 104.6
 85 56.9 45.0 67.6
 99 62.0 49.1 73.7





#51

Ethyl methacrylate

Concen: 11.50 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD02

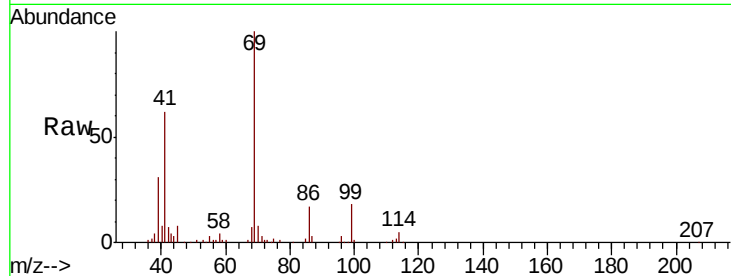
Tot Ion: 69 Resp: 116772

Ion Ratio Lower Upper

69 100

41 61.3 30.5 91.5

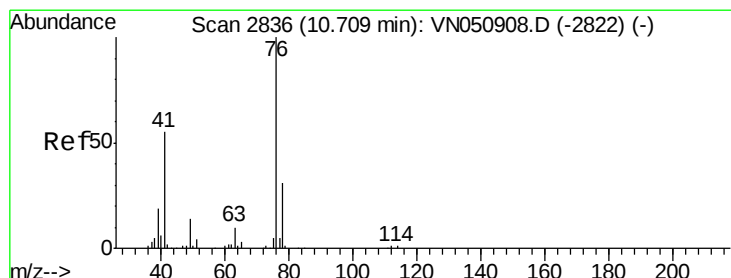
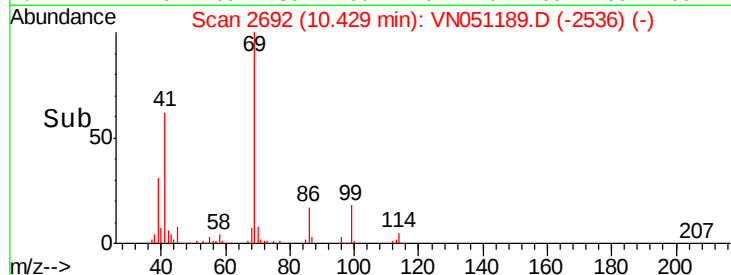
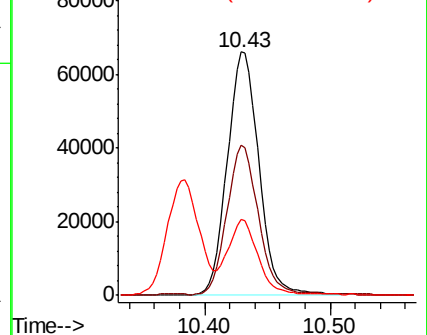
39 30.5 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 12.97 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051189.D

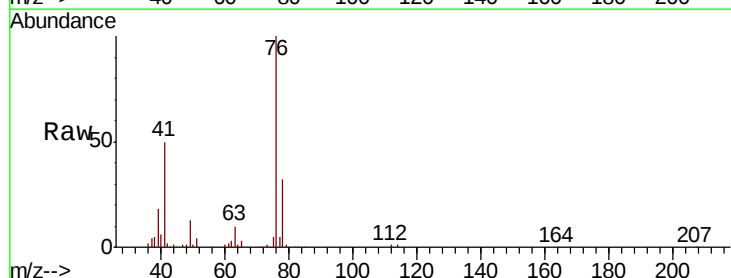
Acq: 14 Sep 2018 14:47

Tgt Ion: 76 Resp: 178235

Ion Ratio Lower Upper

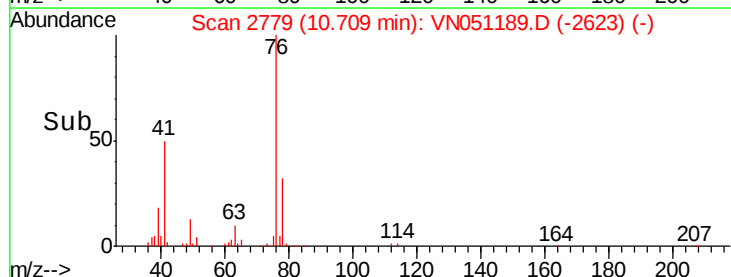
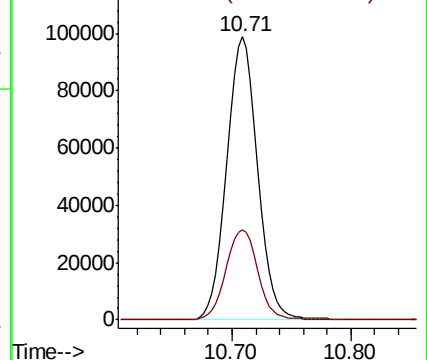
76 100

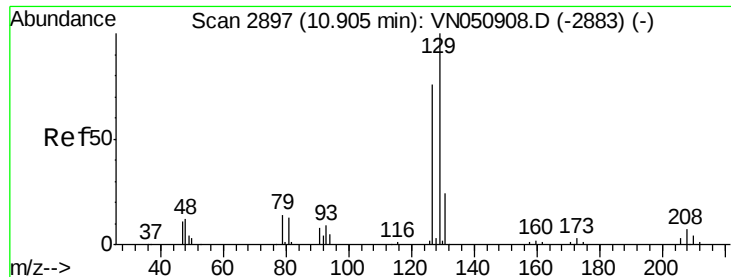
78 32.7 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

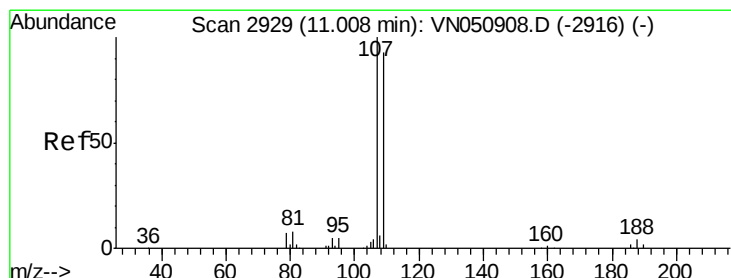
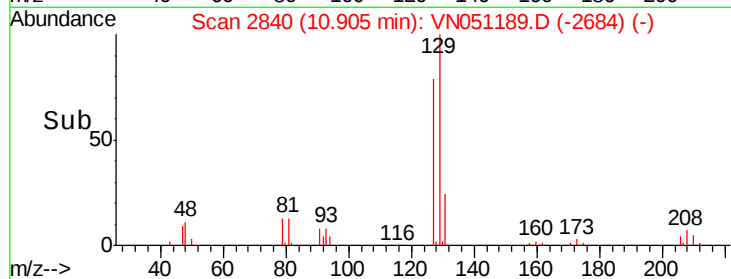
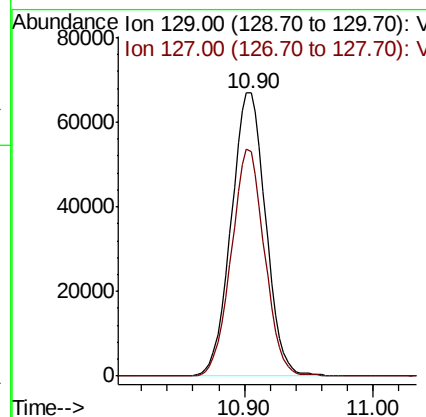
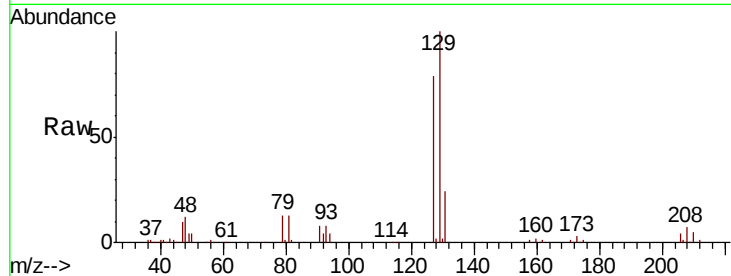




#53
 Dibromochloromethane
 Concen: 13.16 ug/l
 RT: 10.90 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

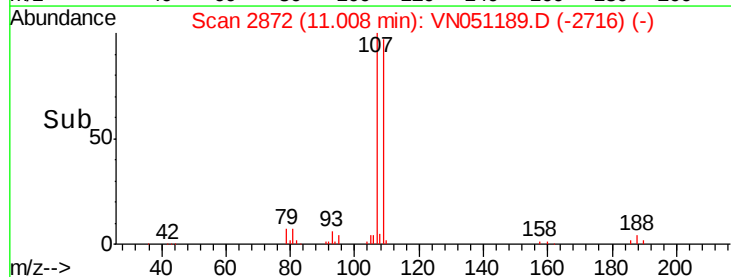
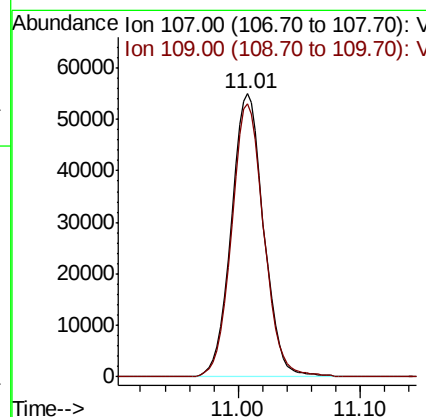
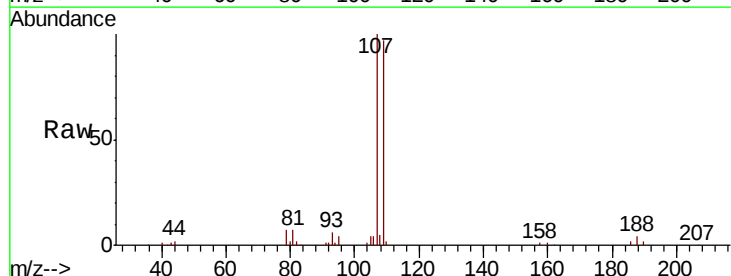
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

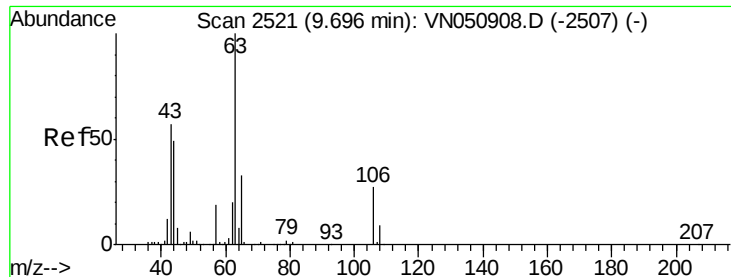
Tot Ion:129 Resp: 124136
 Ion Ratio Lower Upper
 129 100
 127 77.3 39.0 116.9



#54
 1,2-Dibromoethane
 Concen: 12.41 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion:107 Resp: 101811
 Ion Ratio Lower Upper
 107 100
 109 96.0 74.4 111.6

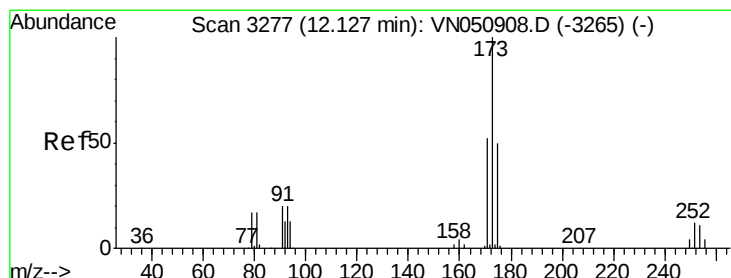
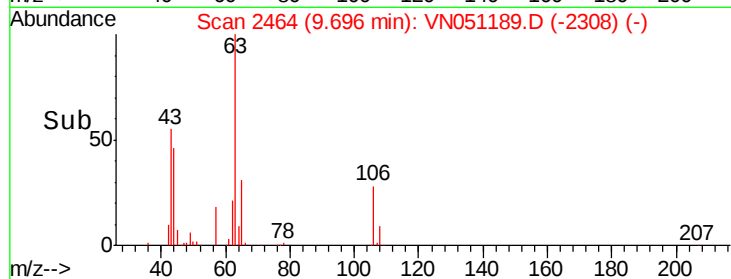
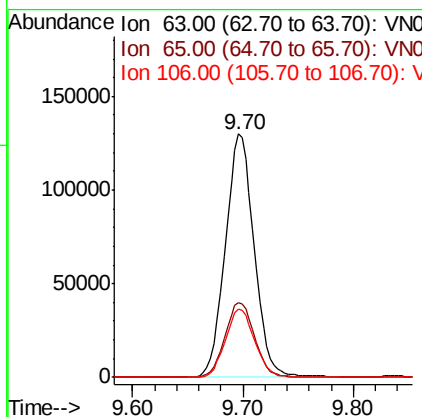
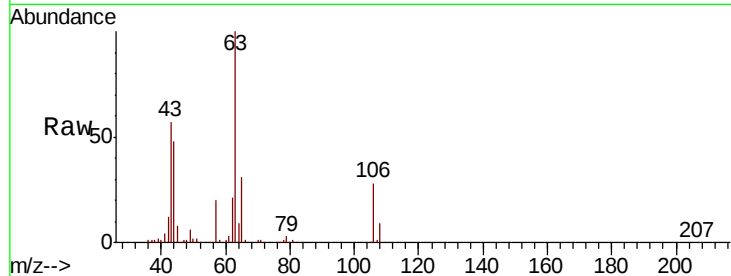




#55
2-Chloroethyl vinyl ether
Concen: 55.84 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

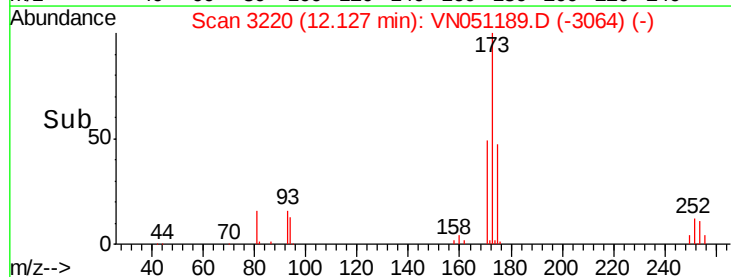
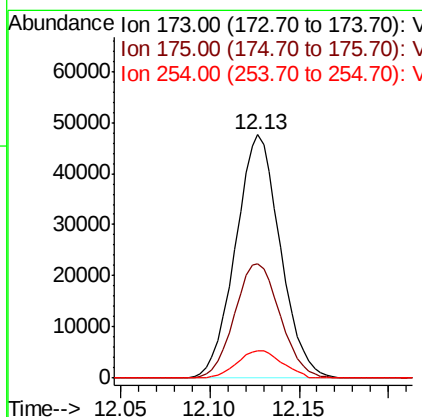
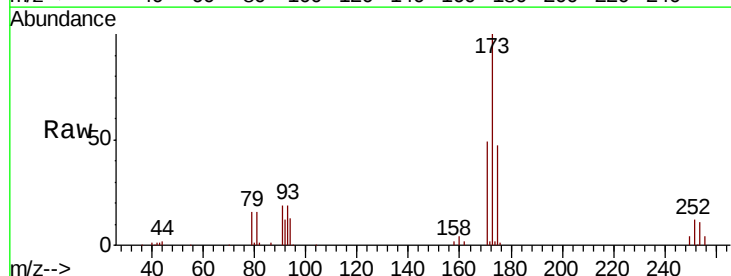
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

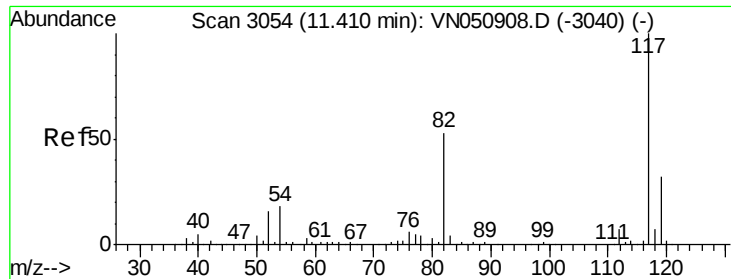
Tot Ion: 63 Resp: 235831
Ion Ratio Lower Upper
63 100
65 31.6 25.4 38.2
106 28.4 22.0 33.0



#56
Bromoform
Concen: 12.42 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 173 Resp: 83324
Ion Ratio Lower Upper
173 100
175 47.9 39.2 58.8
254 11.5 9.0 13.6

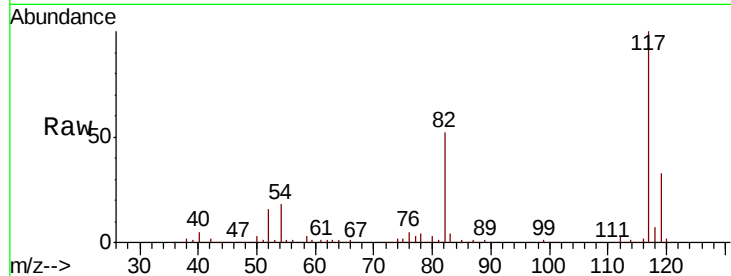




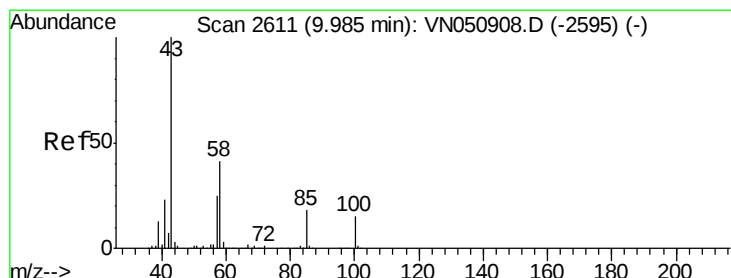
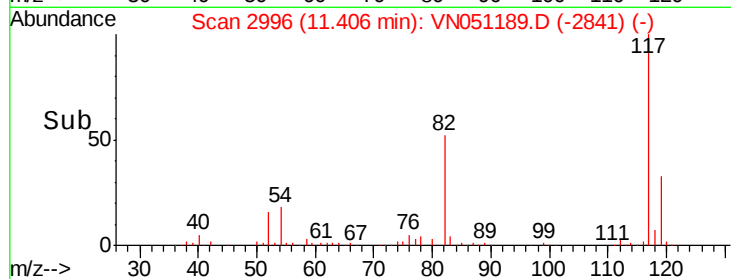
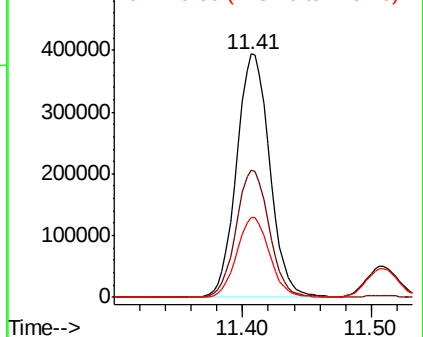
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion:117 Resp: 704812
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 32.6 25.7 38.5

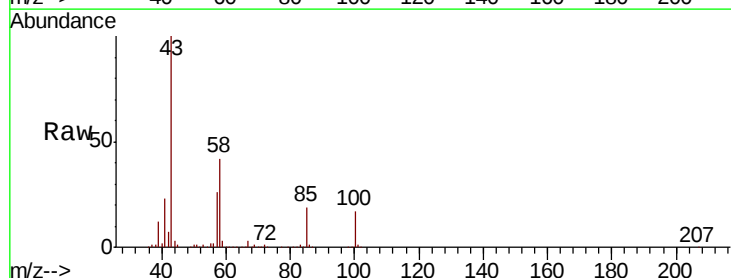


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

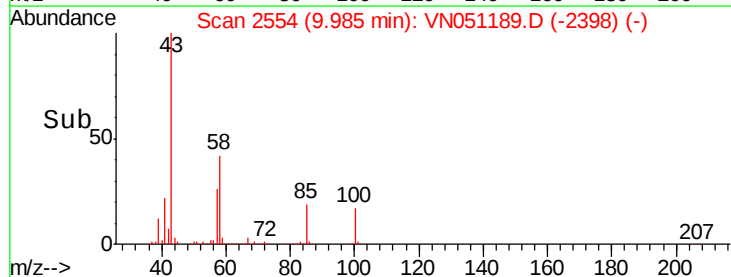
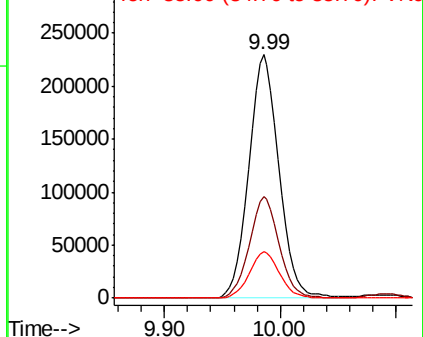


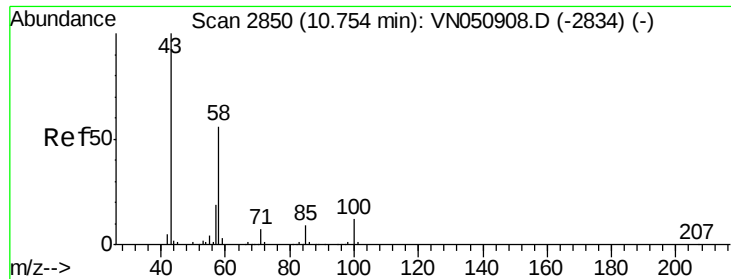
#58
4-Methyl-2-Pentanone
Concen: 51.39 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 43 Resp: 414434
Ion Ratio Lower Upper
43 100
58 41.5 32.3 48.5
85 19.2 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

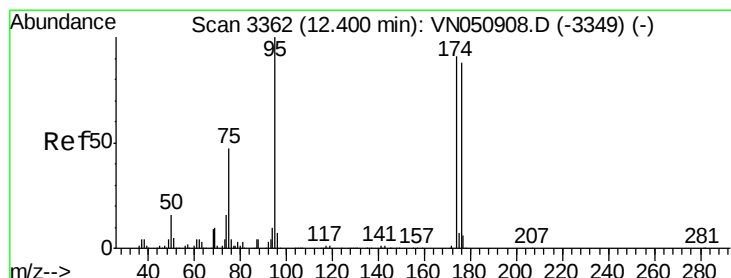
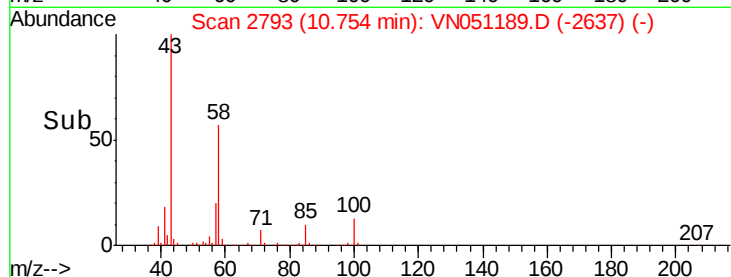
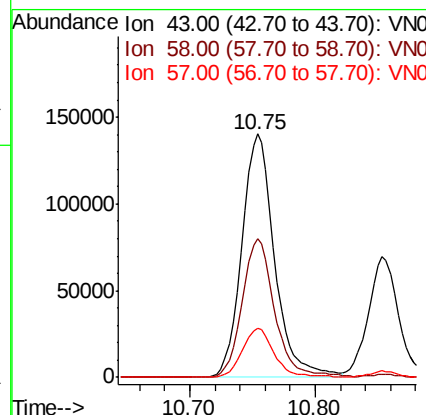
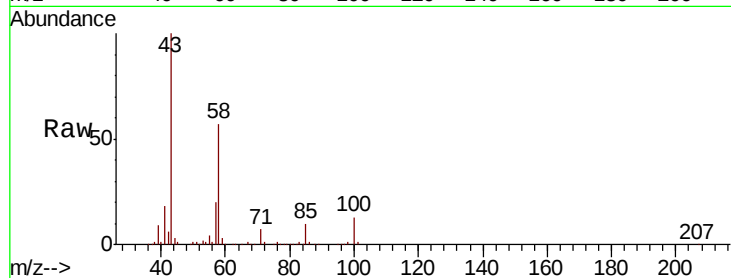




#59
2-Hexanone
Concen: 48.35 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

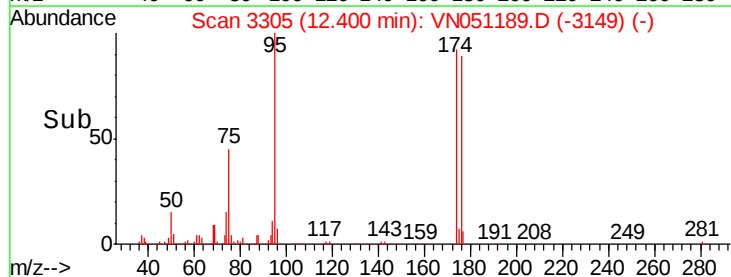
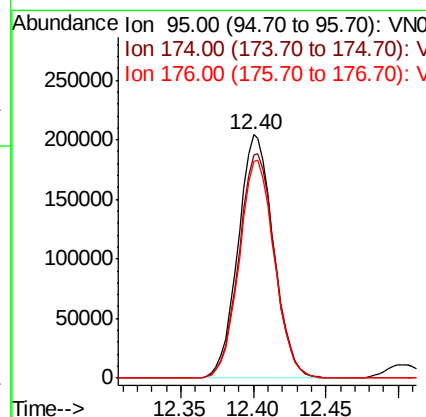
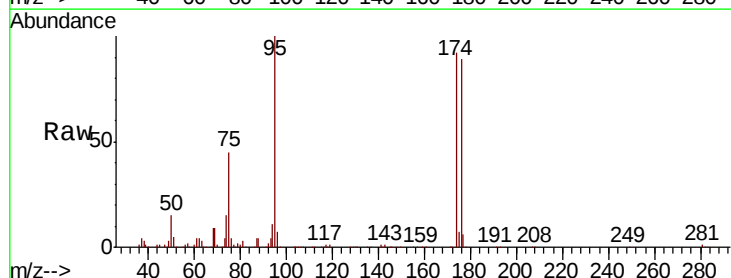
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

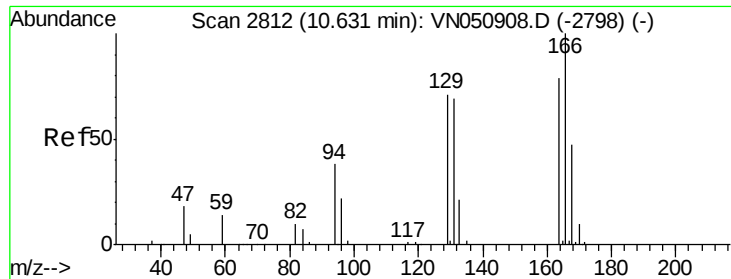
Tot Ion: 43 Resp: 254840
Ion Ratio Lower Upper
43 100
58 56.5 45.5 68.3
57 19.9 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 32.92 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 95 Resp: 345038
Ion Ratio Lower Upper
95 100
174 93.6 74.6 112.0
176 89.2 71.5 107.3





#61

Tetrachloroethene

Concen: 13.76 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

Tot Ion:164 Resp: 120811

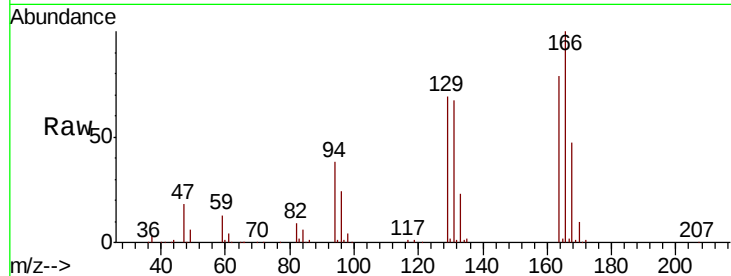
Ion Ratio Lower Upper

164 100

166 126.7 100.6 151.0

129 87.2 71.0 106.6

131 84.7 69.3 103.9

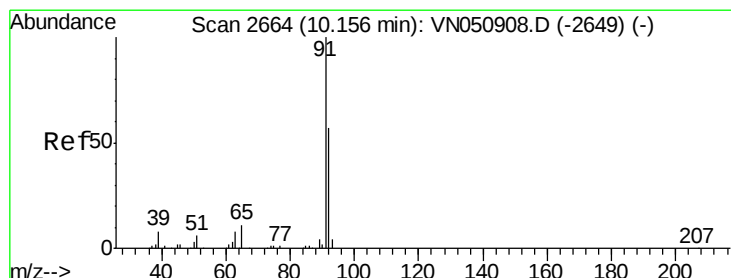
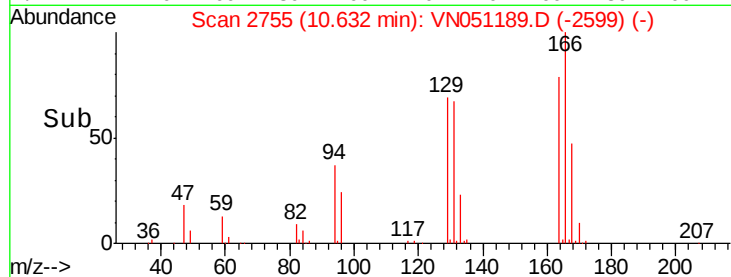
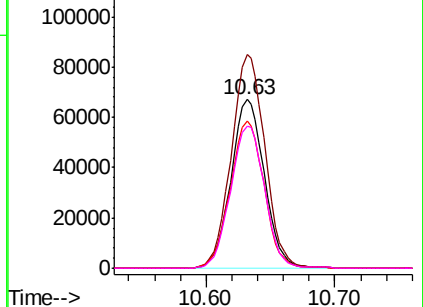


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 13.29 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051189.D

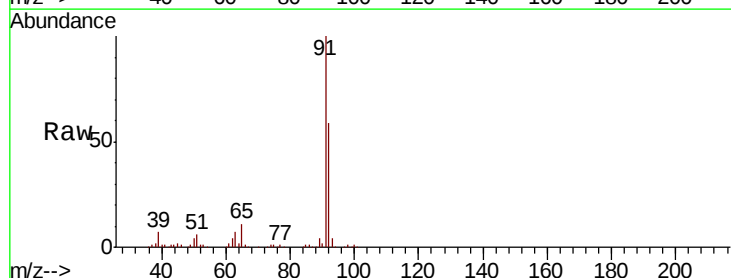
Acq: 14 Sep 2018 14:47

Tgt Ion: 91 Resp: 522455

Ion Ratio Lower Upper

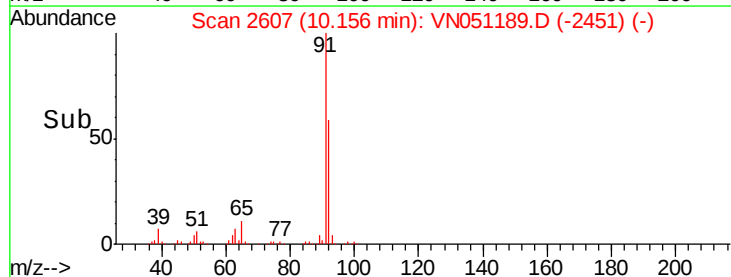
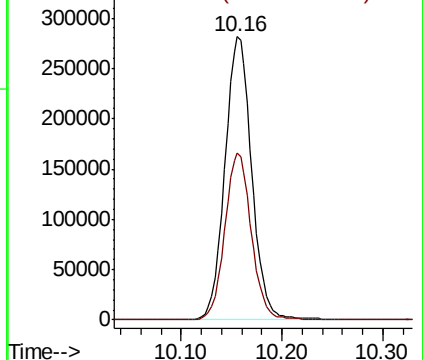
91 100

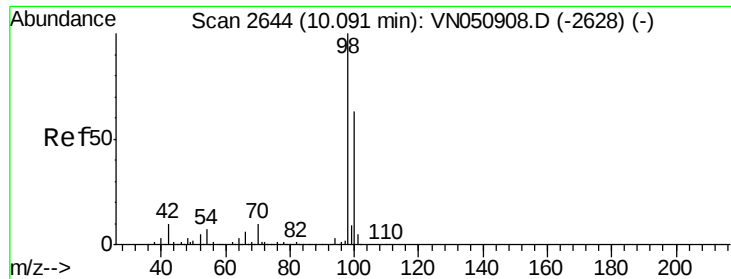
92 58.0 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 33.80 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

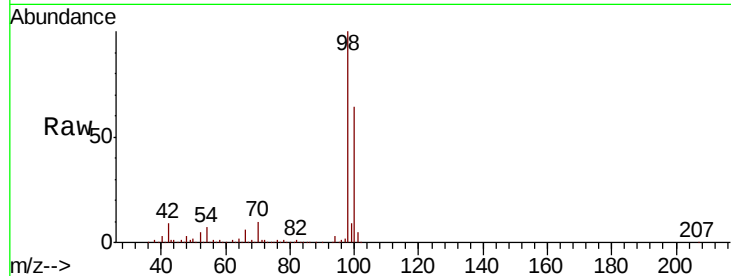
VN0914WBSD02

Tot Ion: 98 Resp: 1111089

Ion Ratio Lower Upper

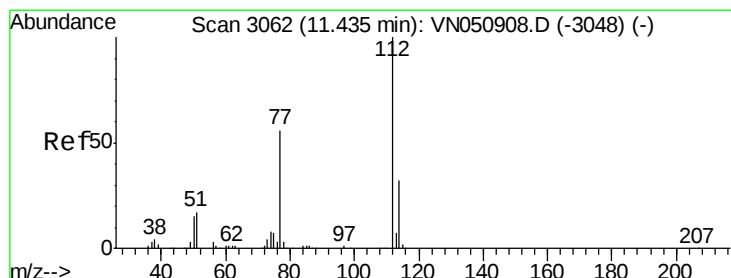
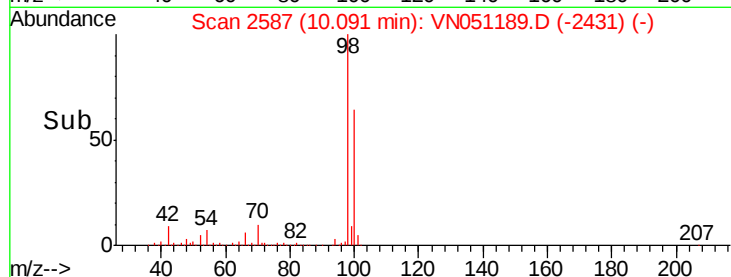
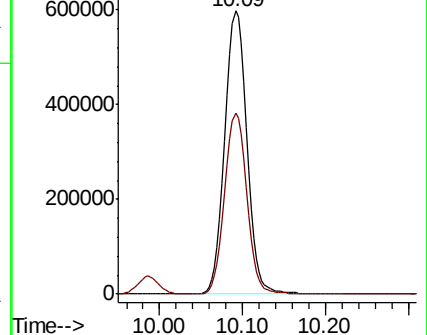
98 100

100 64.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 13.36 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051189.D

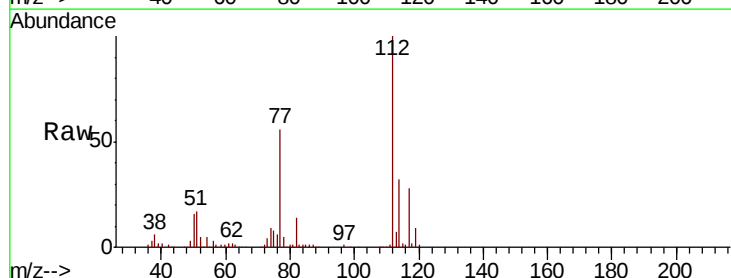
Acq: 14 Sep 2018 14:47

Tgt Ion: 112 Resp: 325461

Ion Ratio Lower Upper

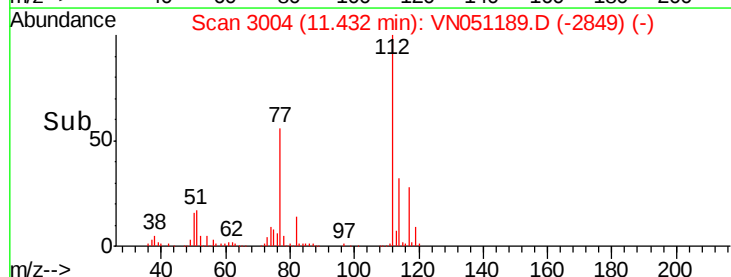
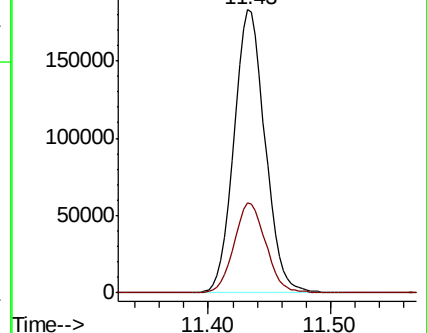
112 100

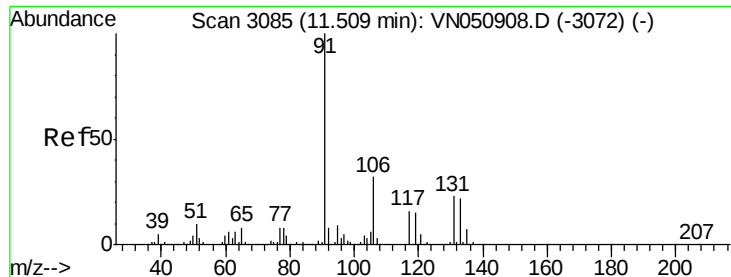
114 31.6 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 13.68 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

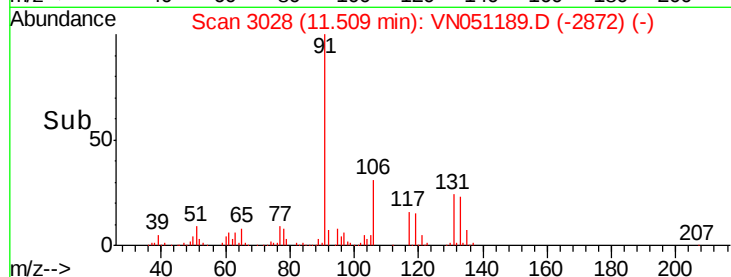
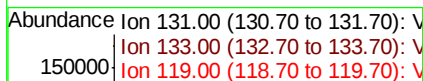
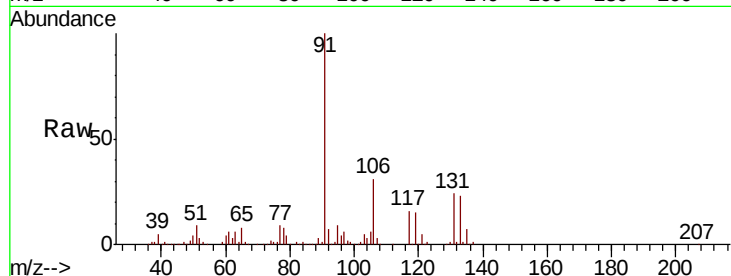
Tot Ion:131 Resp: 125891

Ion Ratio Lower Upper

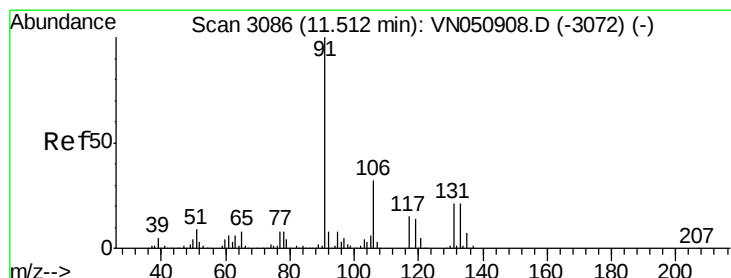
131 100

133 95.2 0.0 189.4

119 64.7 0.0 132.2



Time-->



#66

Ethyl Benzene

Concen: 12.78 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051189.D

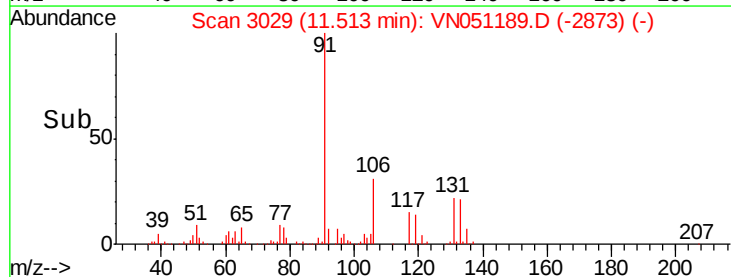
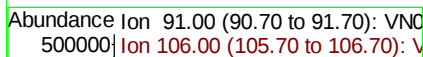
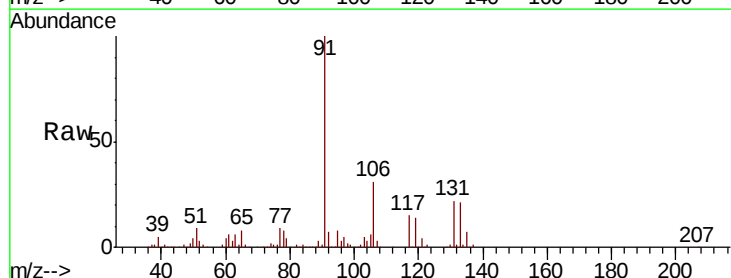
Acq: 14 Sep 2018 14:47

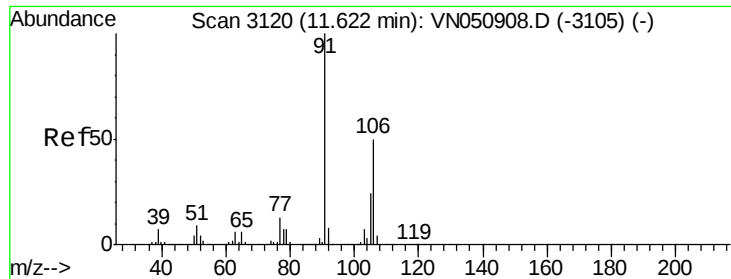
Tgt Ion: 91 Resp: 520615

Ion Ratio Lower Upper

91 100

106 31.4 25.7 38.5

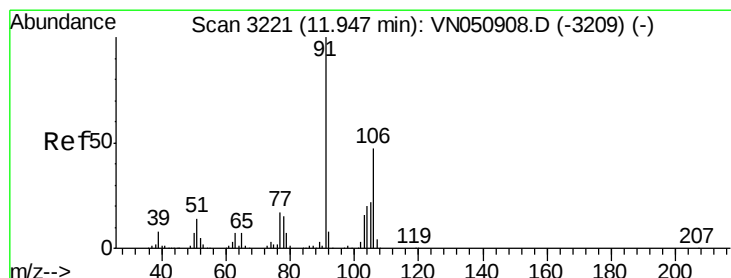
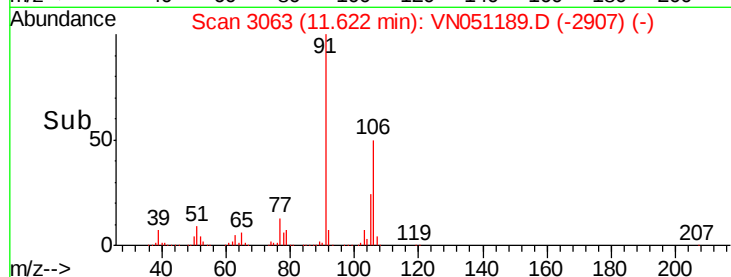
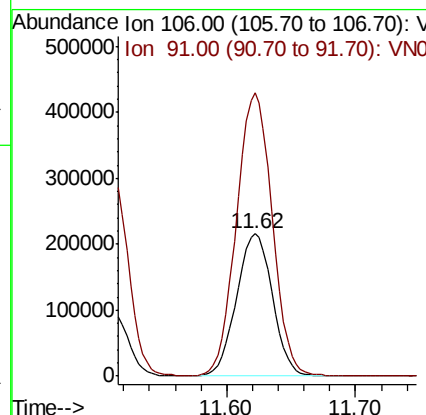
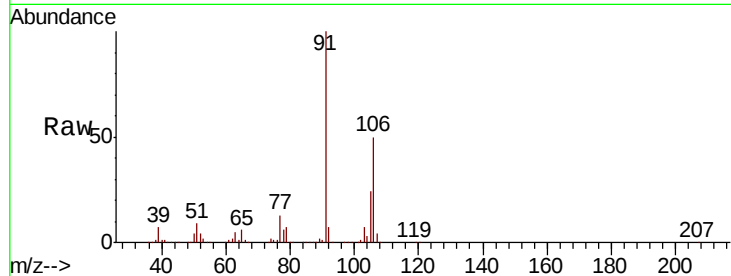




#67
m/p-Xylenes
Concen: 26.66 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

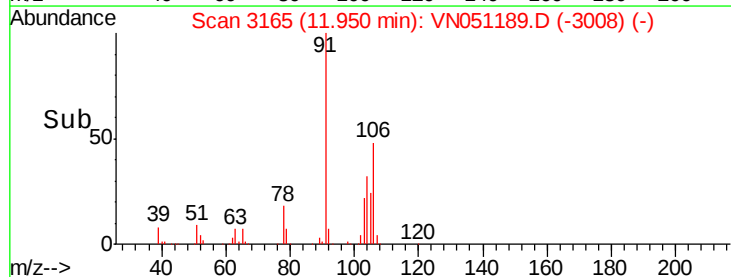
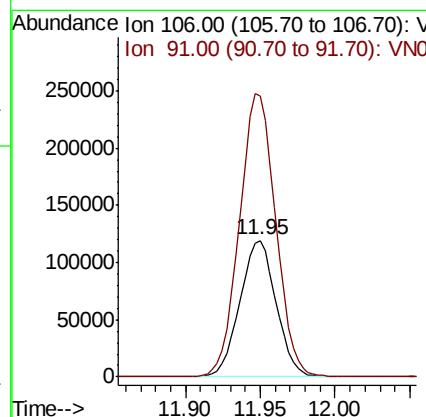
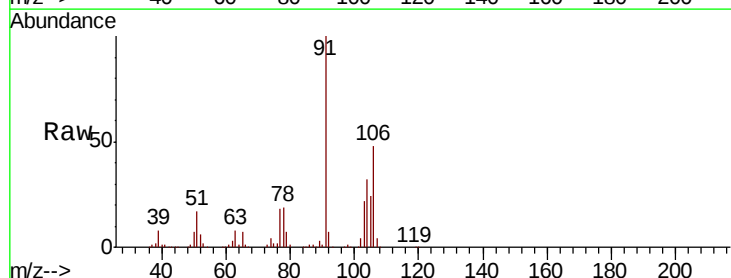
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

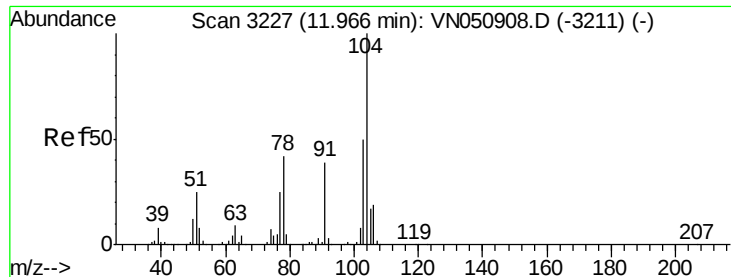
Tot Ion:106 Resp: 417807
Ion Ratio Lower Upper
106 100
91 198.4 160.6 241.0



#68
o-Xylene
Concen: 13.37 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion:106 Resp: 200236
Ion Ratio Lower Upper
106 100
91 208.5 106.4 319.2





#69

Stvrene

Concen: 13.03 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

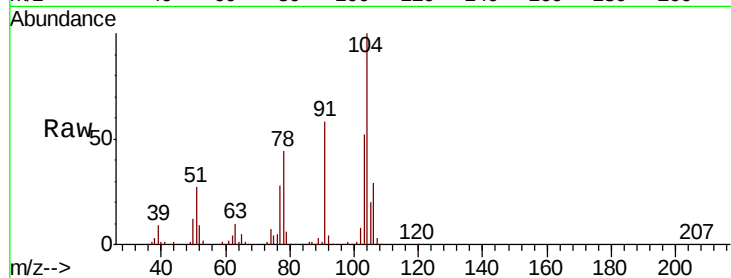
Tot Ion:104 Resp: 310136

Ion Ratio Lower Upper

104 100

78 48.7 38.6 58.0

103 56.8 45.4 68.2

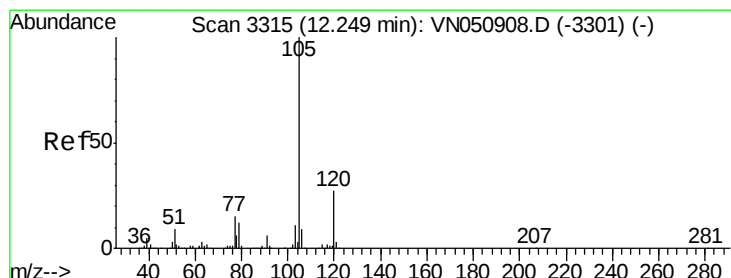
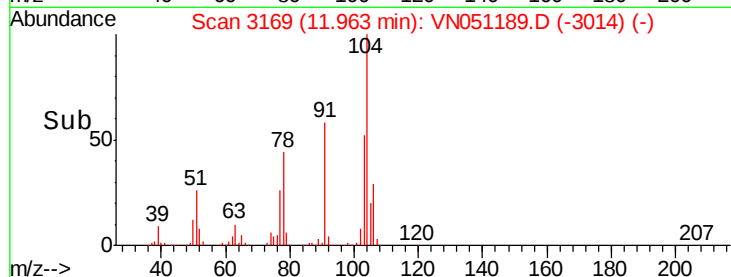
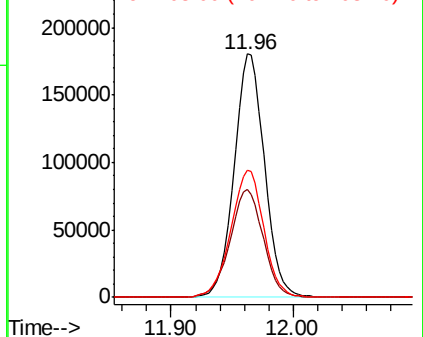


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 13.24 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051189.D

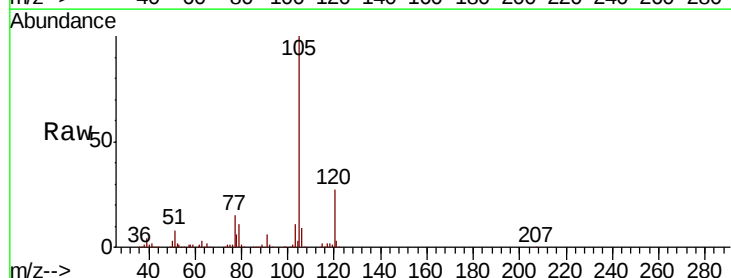
Acq: 14 Sep 2018 14:47

Tgt Ion:105 Resp: 526746

Ion Ratio Lower Upper

105 100

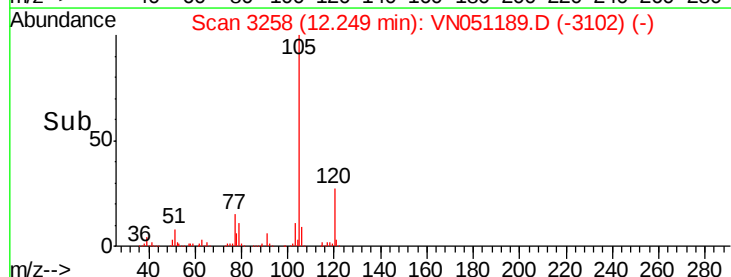
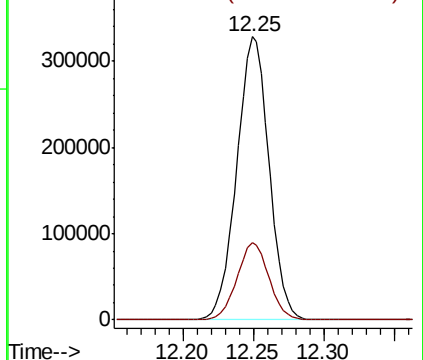
120 26.9 18.6 34.6

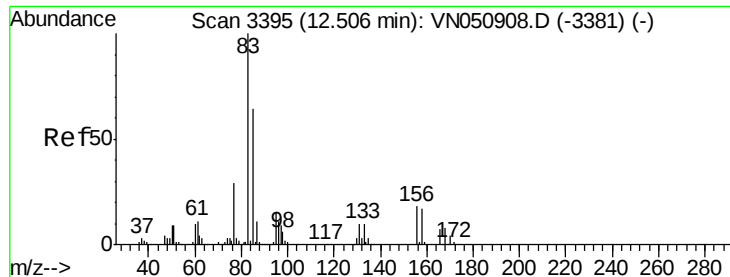


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 12.02 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

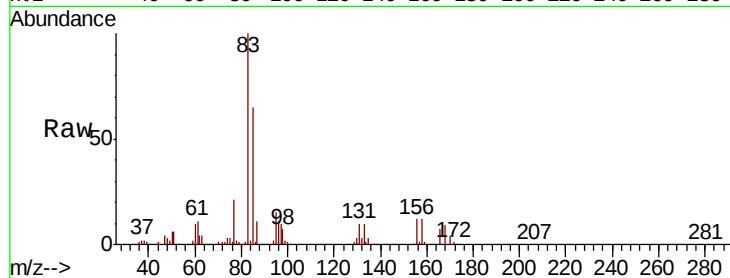
Tot Ion: 83 Resp: 129476

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

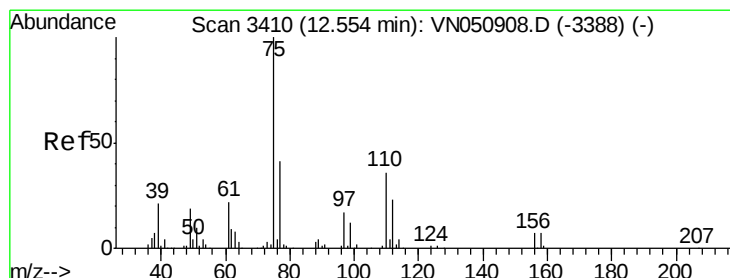
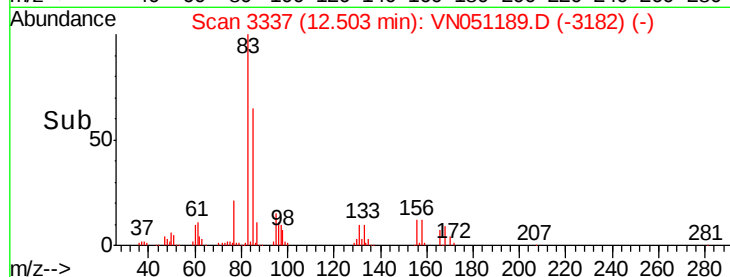
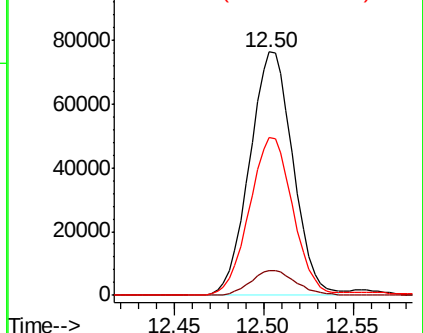
85 64.9 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 15.71 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051189.D

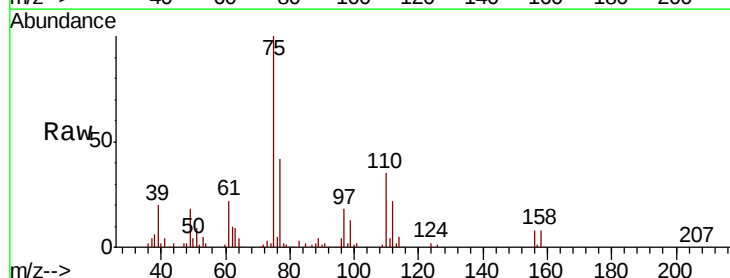
Acq: 14 Sep 2018 14:47

Tgt Ion: 75 Resp: 146019

Ion Ratio Lower Upper

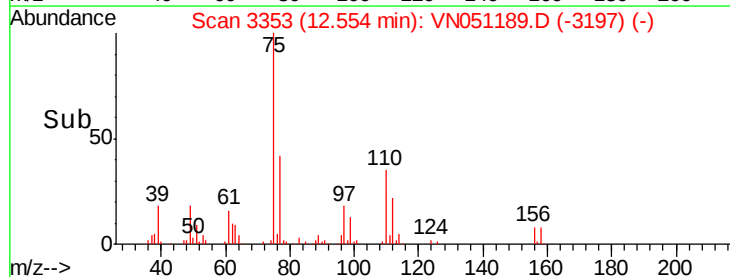
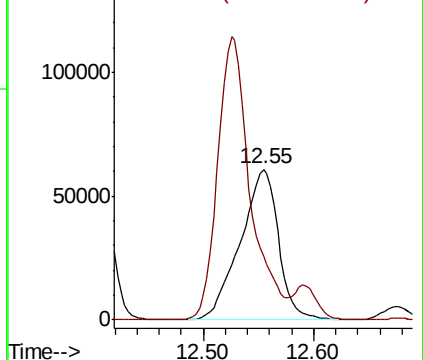
75 100

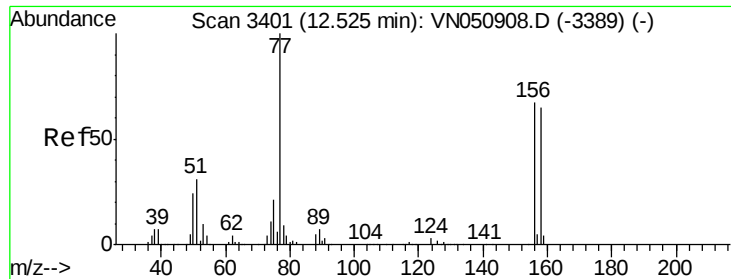
77 160.4 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 12.96 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

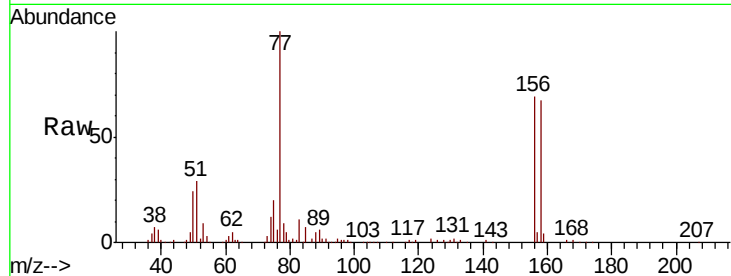
Tot Ion:156 Resp: 135631

Ion Ratio Lower Upper

156 100

77 172.7 0.0 359.4

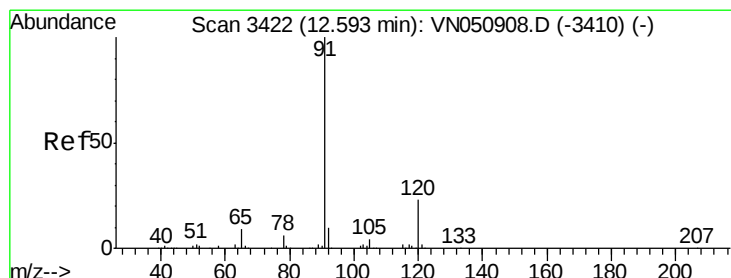
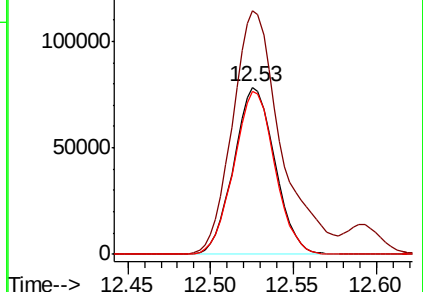
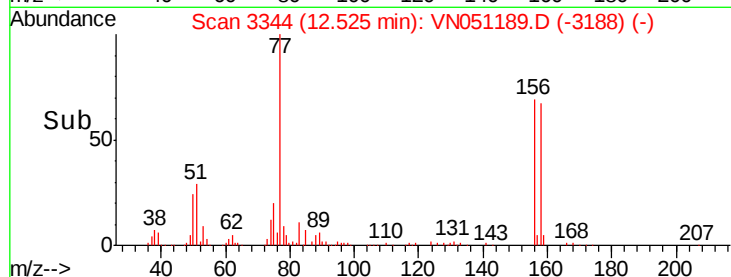
158 97.0 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 12.78 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051189.D

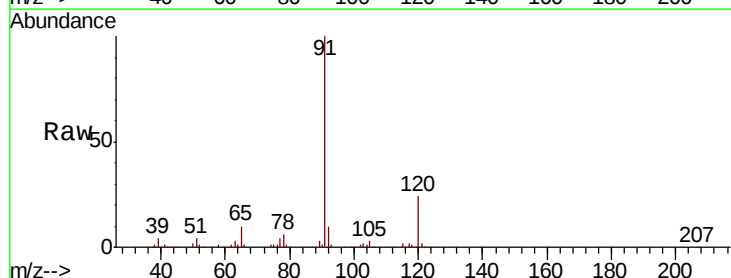
Acq: 14 Sep 2018 14:47

Tgt Ion: 91 Resp: 574725

Ion Ratio Lower Upper

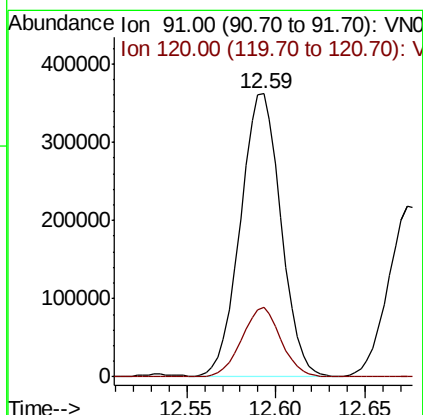
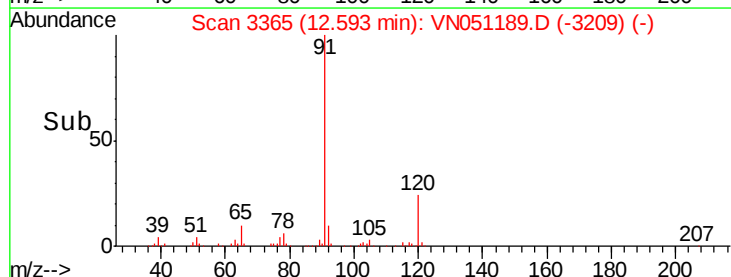
91 100

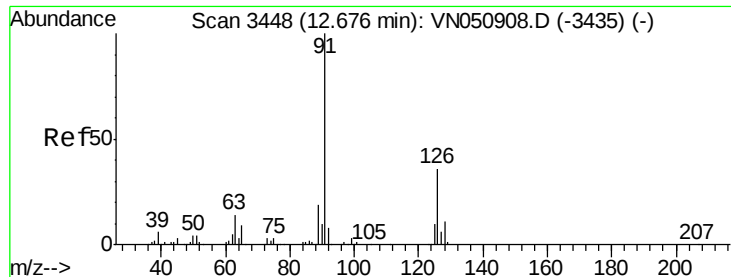
120 23.7 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 13.18 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

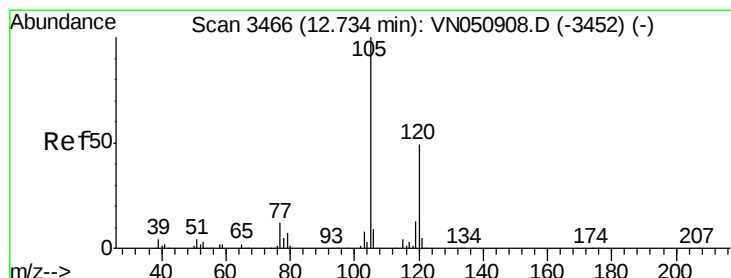
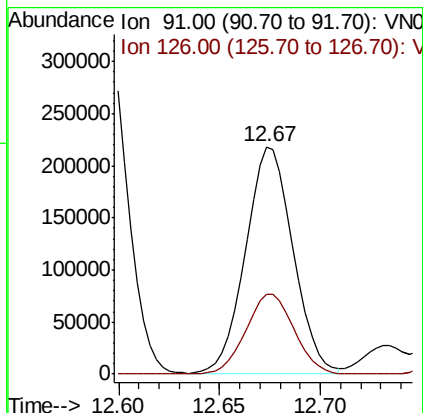
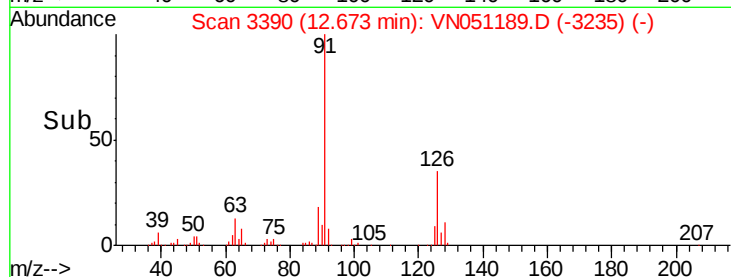
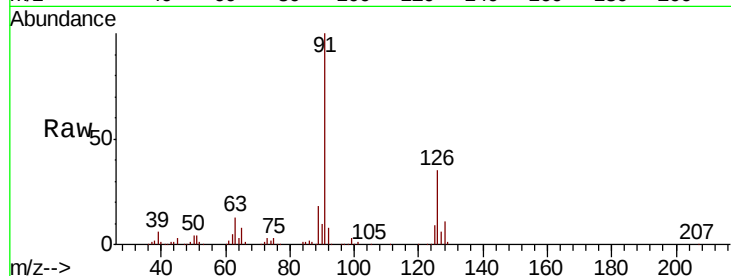
VN0914WBSD02

Tot Ion: 91 Resp: 360220

Ion Ratio Lower Upper

91 100

126 35.8 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 13.21 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051189.D

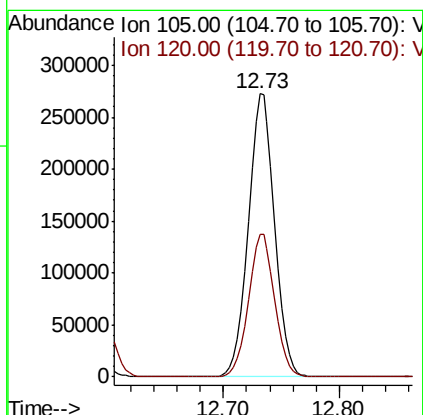
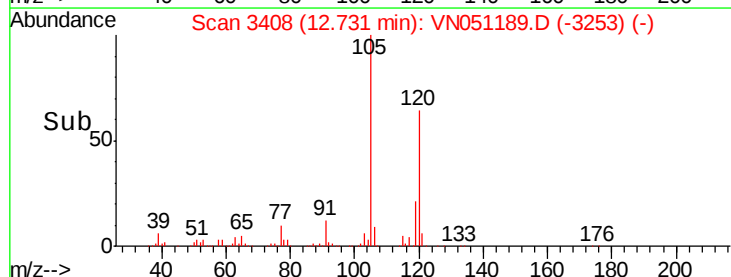
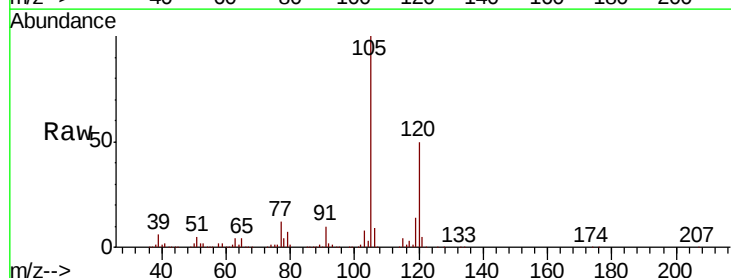
Acq: 14 Sep 2018 14:47

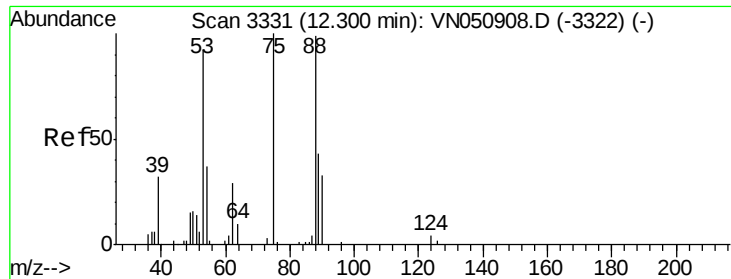
Tgt Ion: 105 Resp: 429602

Ion Ratio Lower Upper

105 100

120 50.2 0.0 99.6

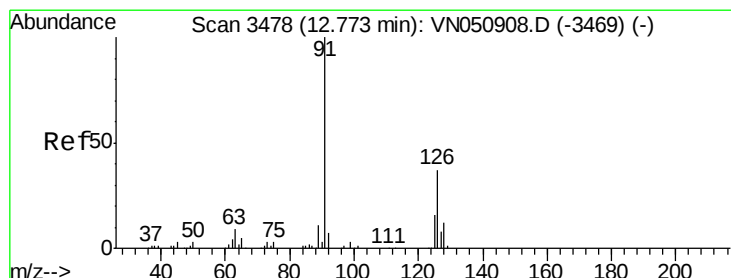
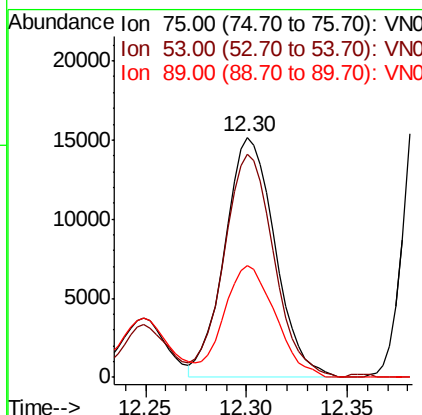
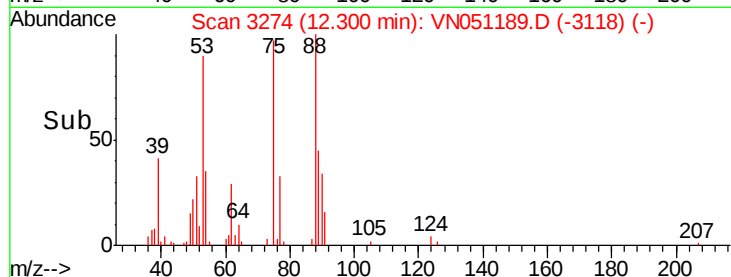
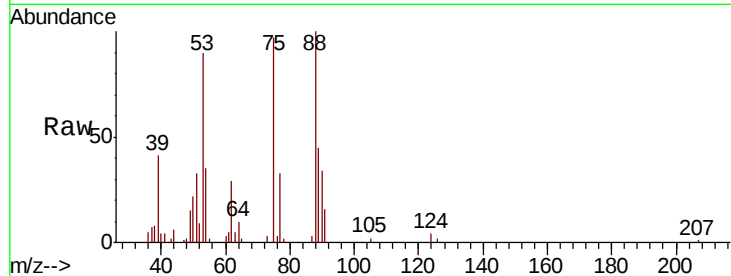




#77
t-1,4-Dichloro-2-butene
Concen: 9.99 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

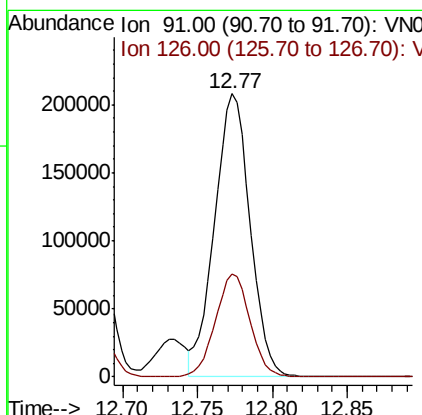
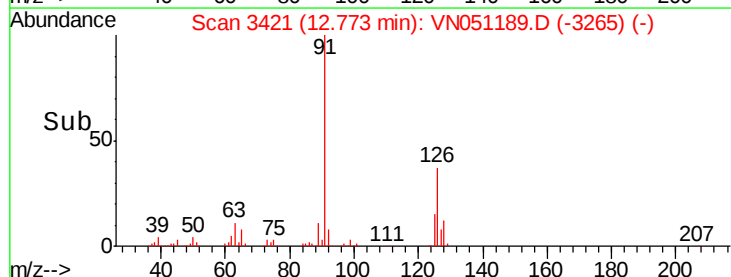
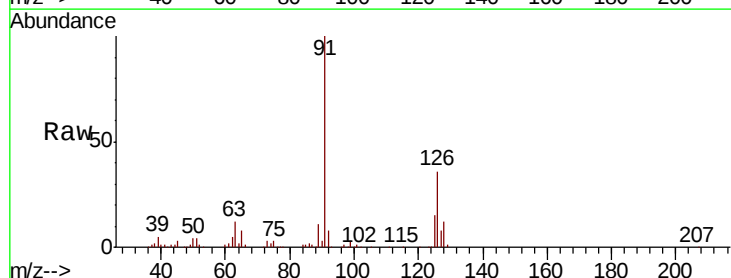
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

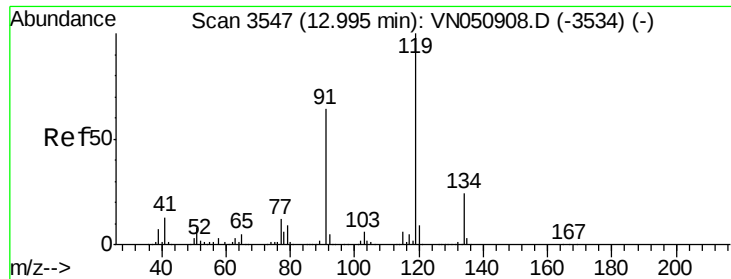
Tot Ion: 75 Resp: 26455
Ion Ratio Lower Upper
75 100
53 92.9 45.5 136.4
89 46.7 21.9 65.8



#78
4-Chlorotoluene
Concen: 12.81 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 91 Resp: 344735
Ion Ratio Lower Upper
91 100
126 35.3 0.0 69.8

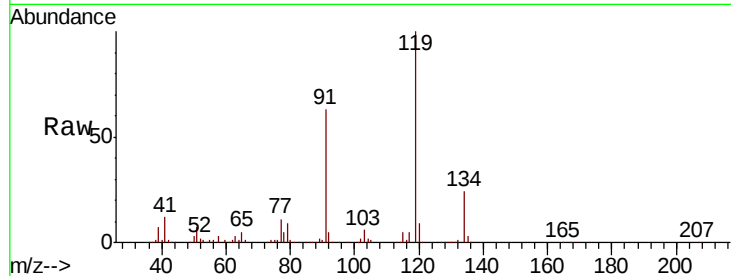




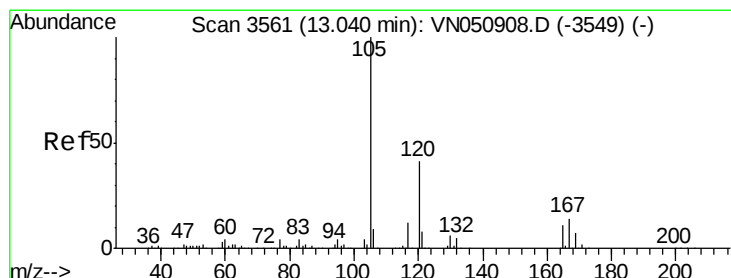
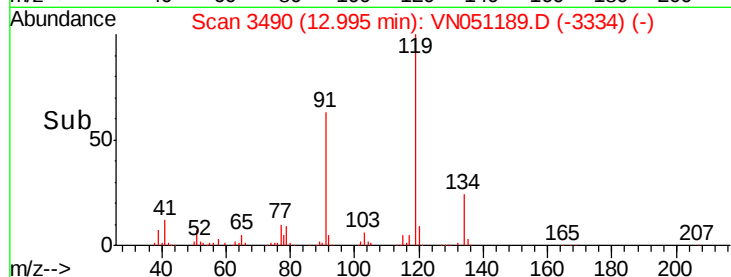
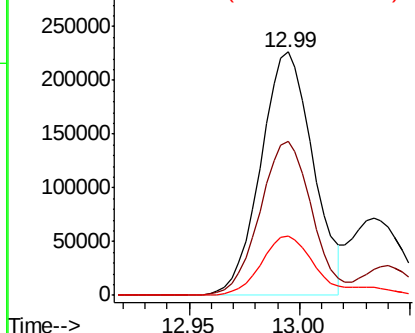
#79
tert-butylbenzene
Concen: 13.19 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion:119 Resp: 372517
Ion Ratio Lower Upper
119 100
91 62.5 0.0 125.6
134 24.2 0.0 48.4

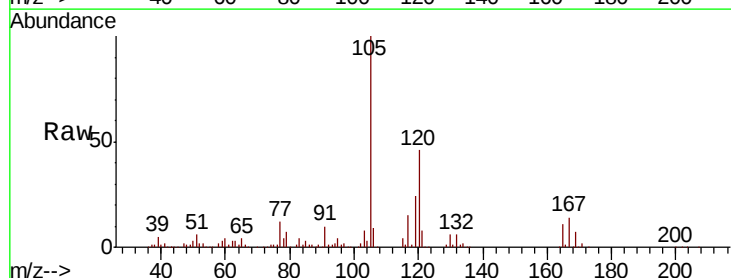


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

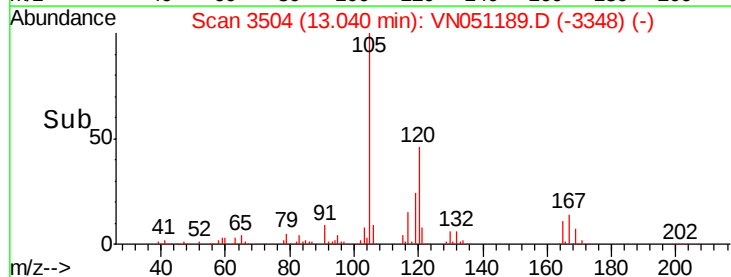
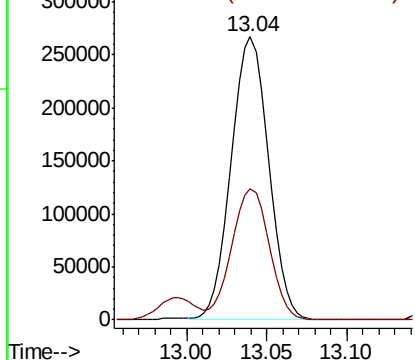


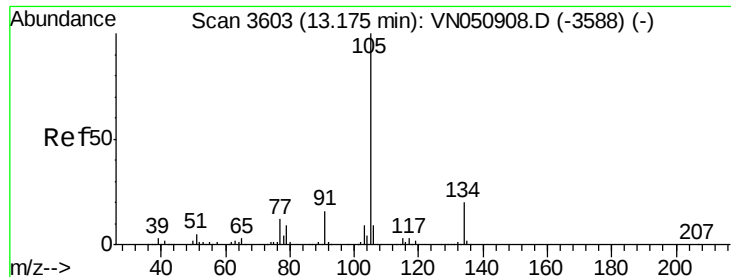
#80
1,2,4-Trimethylbenzene
Concen: 13.14 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion:105 Resp: 425887
Ion Ratio Lower Upper
105 100
120 46.7 0.0 93.6



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





#81

sec-Butylbenzene

Concen: 12.98 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

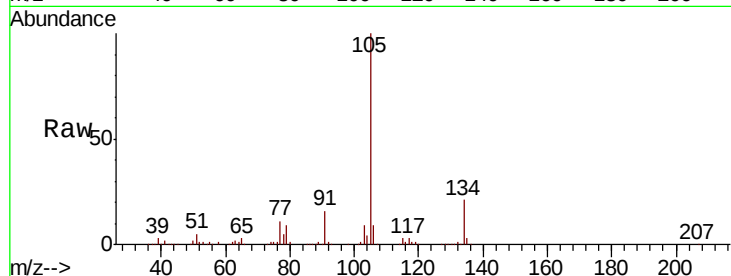
VN0914WBSD02

Tot Ion:105 Resp: 479606

Ion Ratio Lower Upper

105 100

134 20.9 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

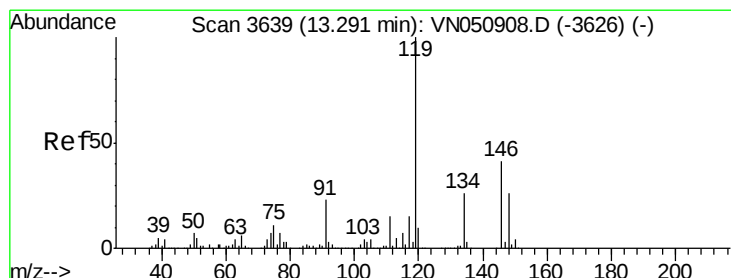
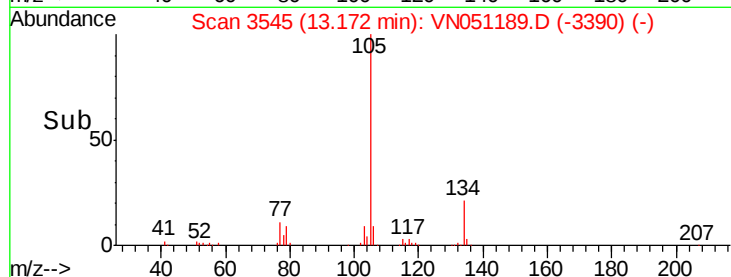
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 12.69 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

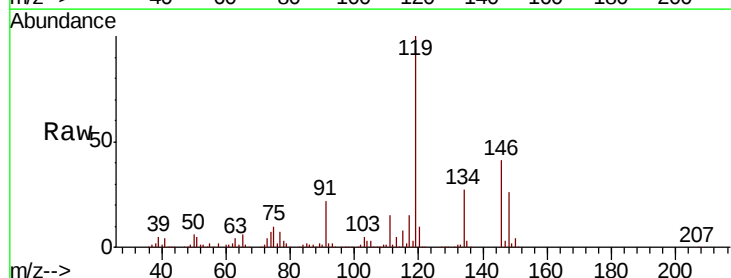
Tgt Ion:119 Resp: 404679

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.6 0.0 46.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

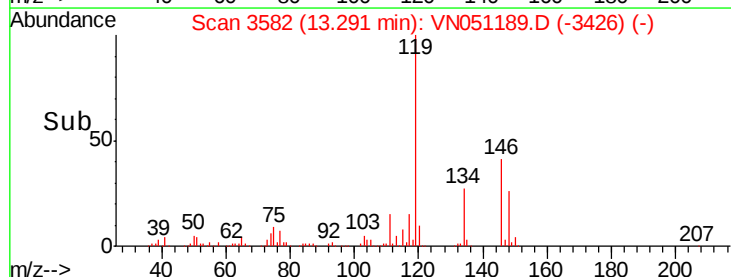
300000

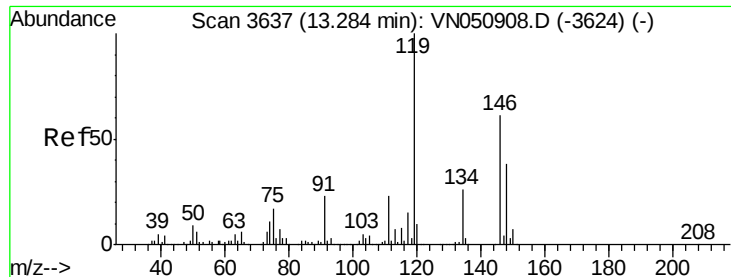
200000

100000

0

Time-->

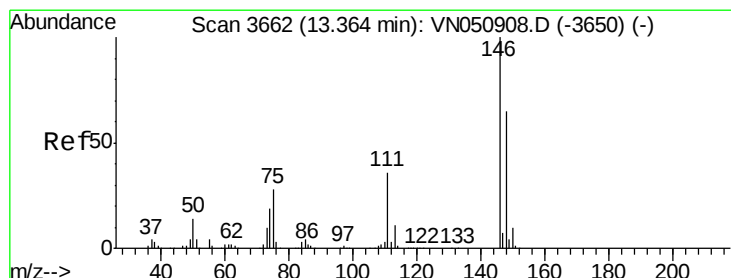
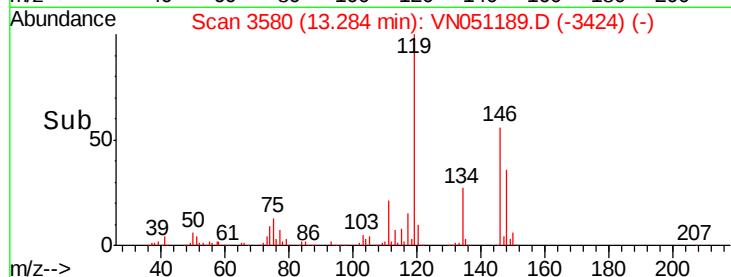
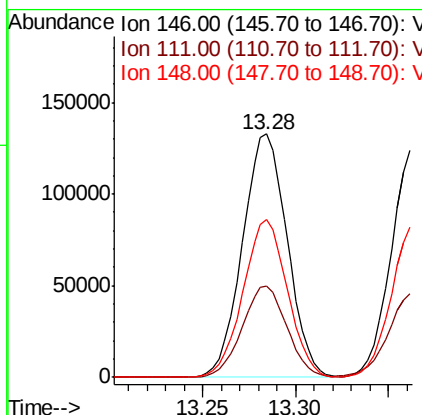
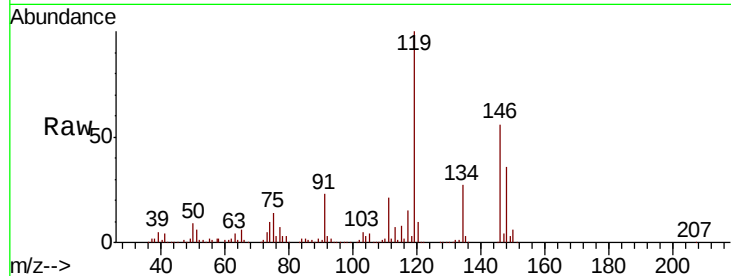




#83
 1,3-Dichlorobenzene
 Concen: 12.56 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

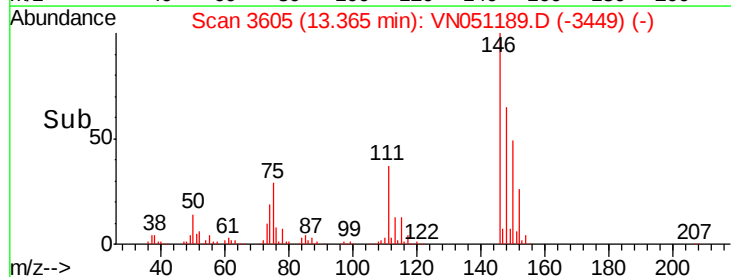
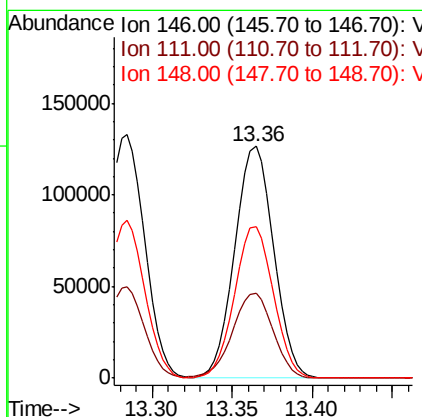
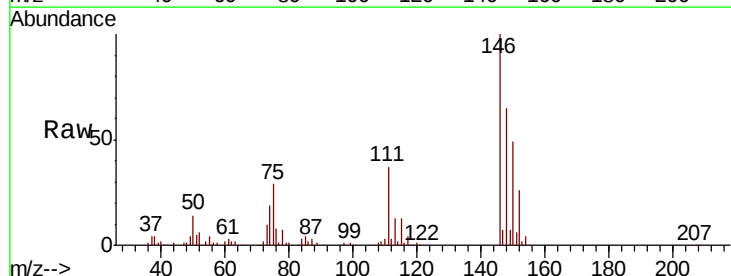
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

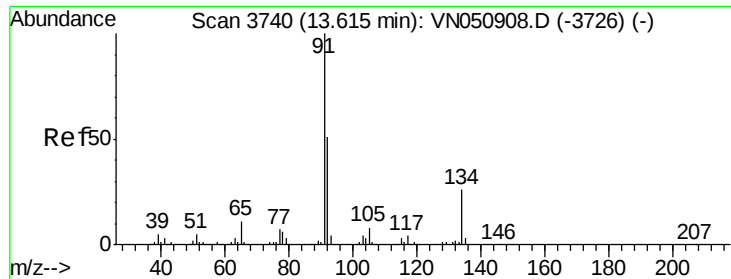
Tot Ion:146 Resp: 222215
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.6
 148 64.1 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 12.55 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion:146 Resp: 210396
 Ion Ratio Lower Upper
 146 100
 111 38.1 17.7 53.1
 148 65.0 31.6 94.8

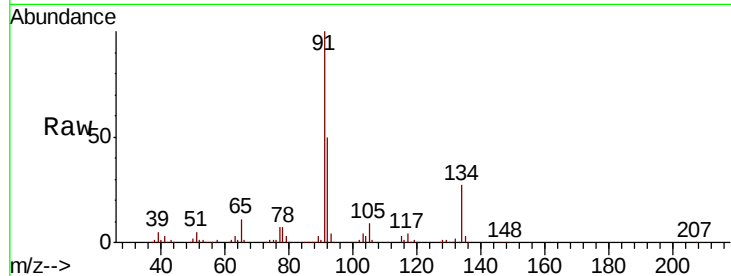




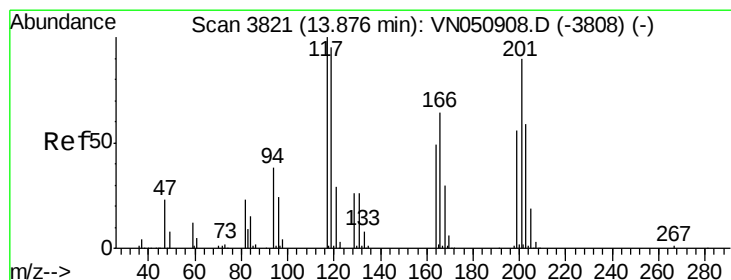
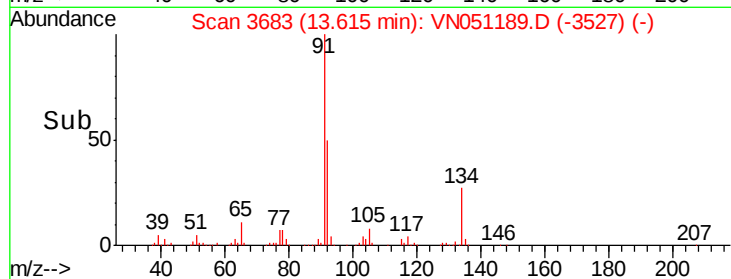
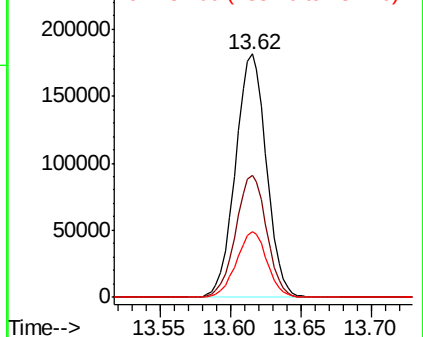
#85
n-Butylbenzene
Concen: 11.47 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD02

Tot Ion: 91 Resp: 279180
Ion Ratio Lower Upper
91 100
92 50.1 0.0 101.8
134 26.7 0.0 52.2

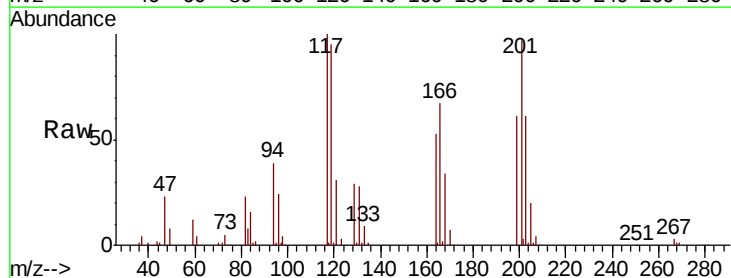


Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3726) (-)
Ion 92.00 (91.70 to 92.70): VN050908.D (-3726) (-)
Ion 134.00 (133.70 to 134.70): VN050908.D (-3726) (-)

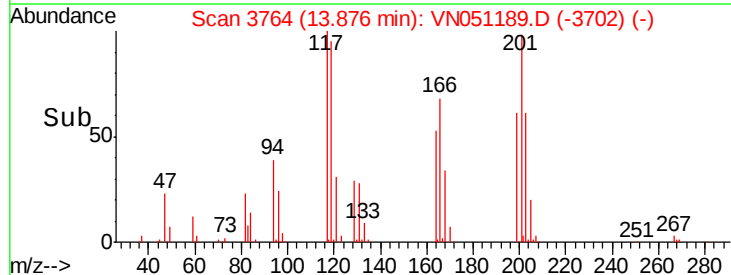
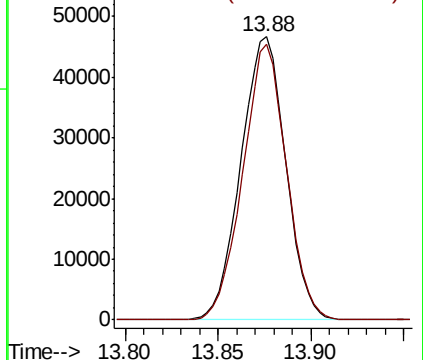


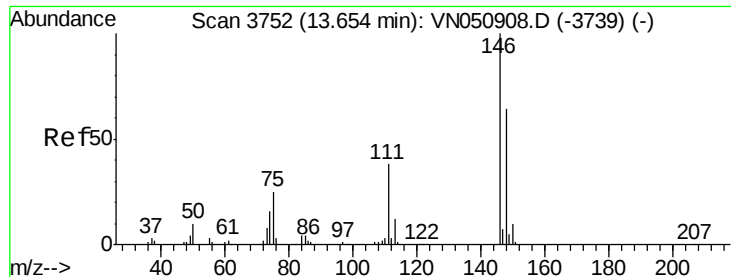
#86
Hexachloroethane
Concen: 12.80 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051189.D
Acq: 14 Sep 2018 14:47

Tgt Ion: 117 Resp: 78350
Ion Ratio Lower Upper
117 100
201 94.3 45.8 137.4



Abundance Ion 117.00 (116.70 to 117.70): VN050908.D (-3808) (-)
Ion 201.00 (200.70 to 201.70): VN050908.D (-3808) (-)

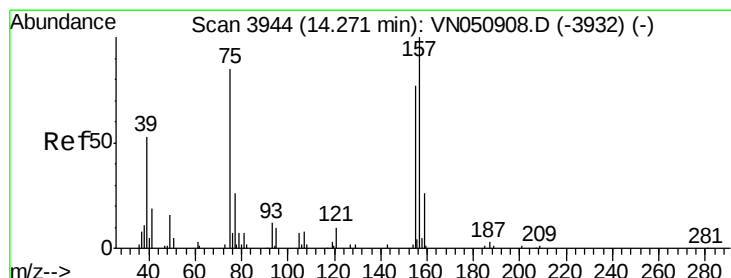
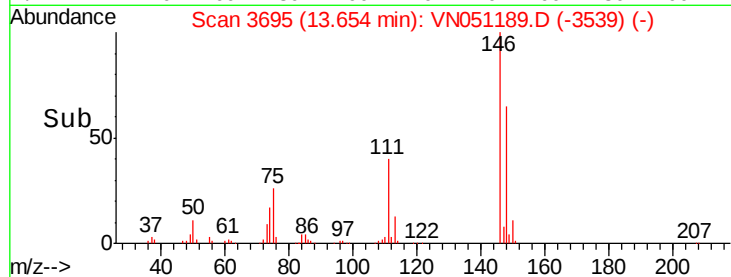
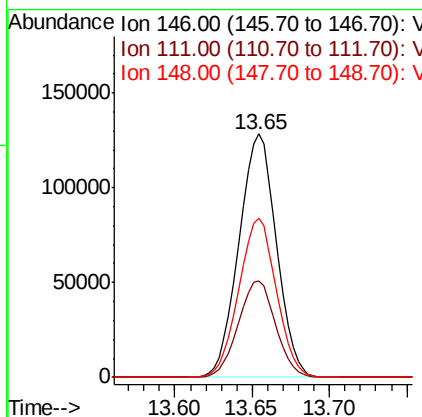
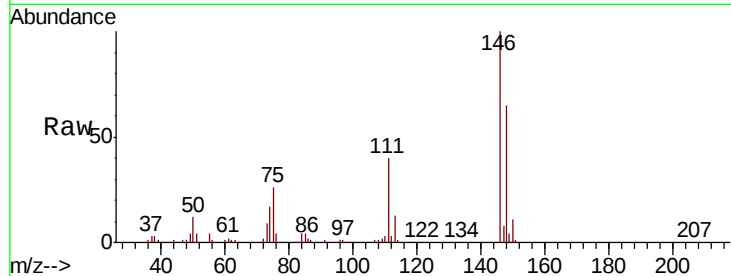




#87
 1,2-Dichlorobenzene
 Concen: 12.44 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

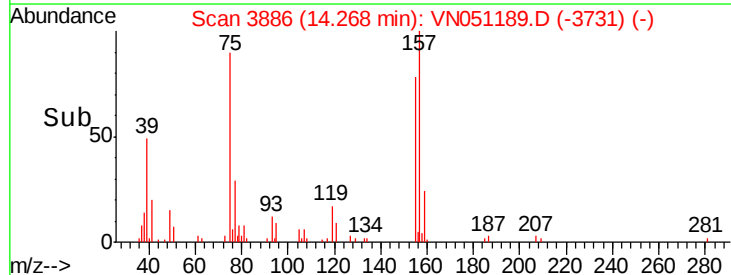
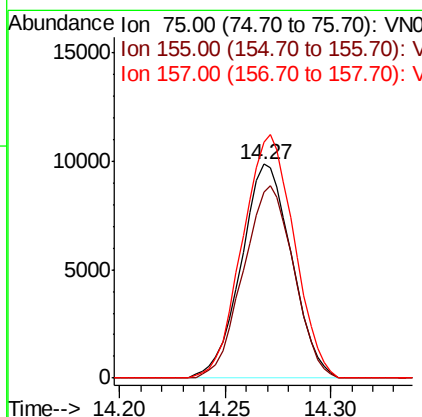
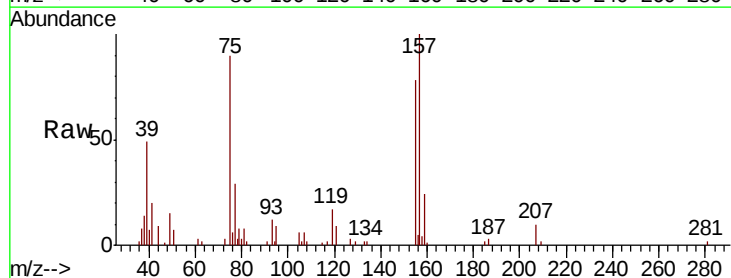
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

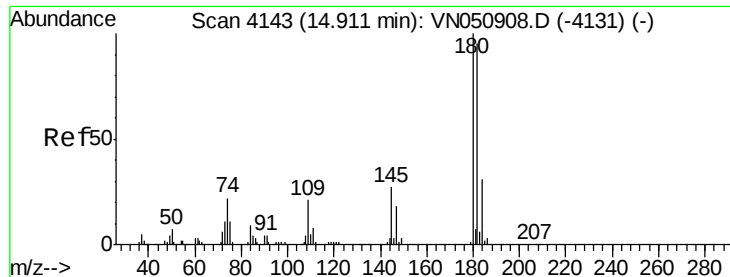
Tot Ion:146 Resp: 216753
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.1 57.1
 148 65.4 31.9 95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 10.92 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion: 75 Resp: 16460
 Ion Ratio Lower Upper
 75 100
 155 89.4 71.8 107.6
 157 116.2 91.1 136.7

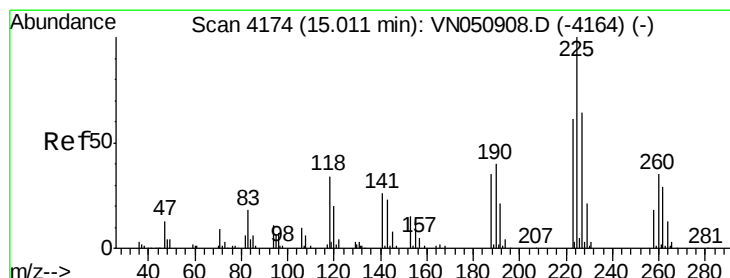
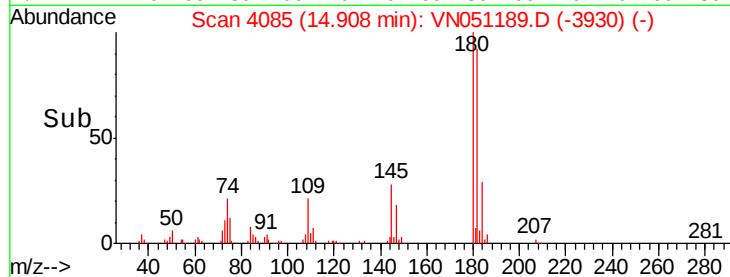
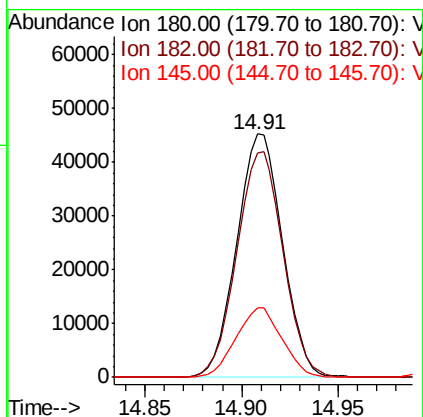
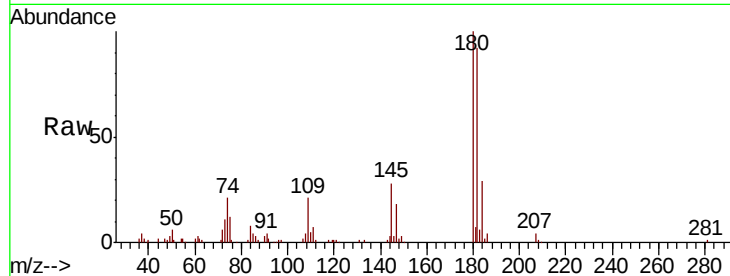




#89
 1,2,4-Trichlorobenzene
 Concen: 9.63 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

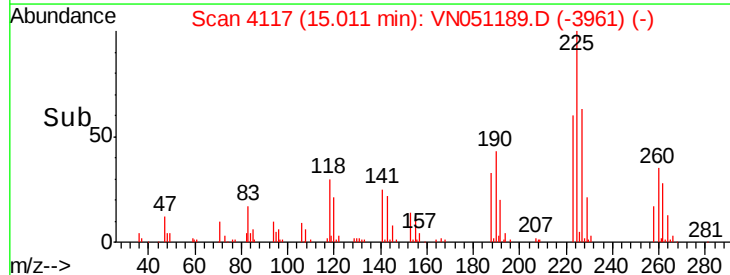
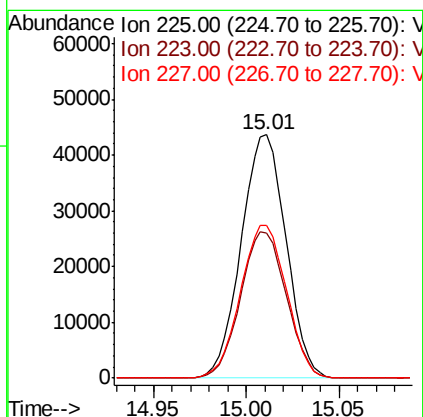
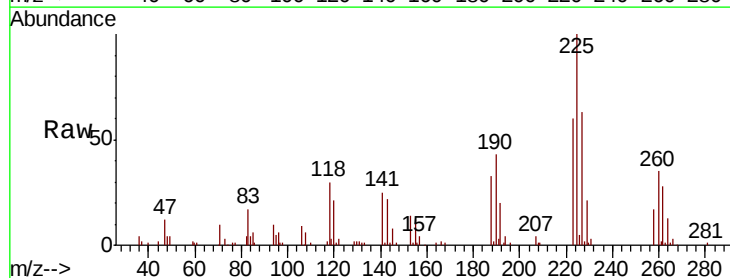
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

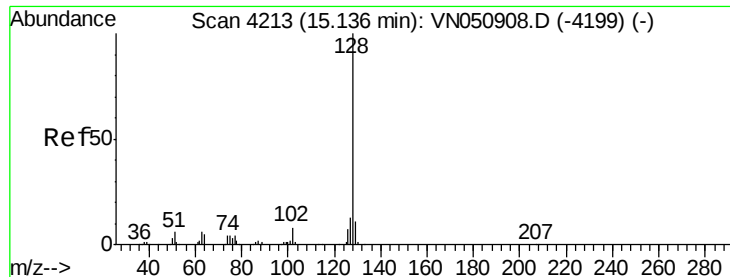
Tot Ion:180 Resp: 74651
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.2 114.4
 145 28.7 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 13.91 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051189.D
 Acq: 14 Sep 2018 14:47

Tgt Ion:225 Resp: 73315
 Ion Ratio Lower Upper
 225 100
 223 61.4 0.0 127.8
 227 64.2 0.0 128.4





#91

Naphthalene

Concen: 13.78 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD02

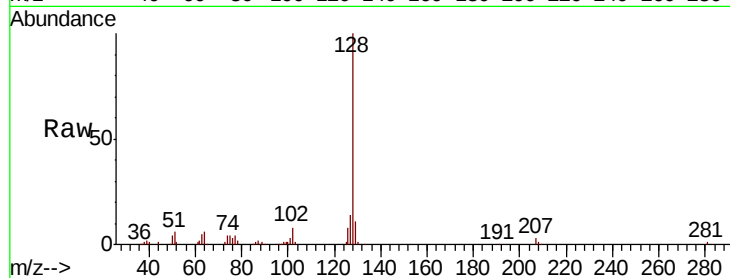
Tot Ion:128 Resp: 126010

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

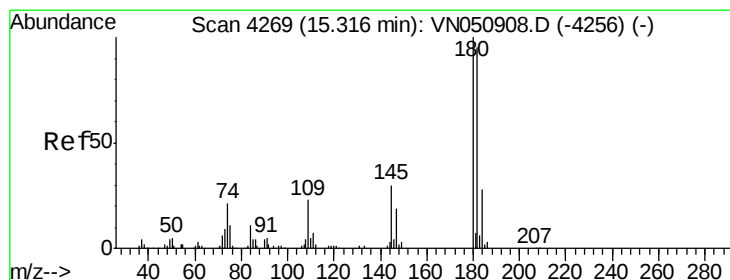
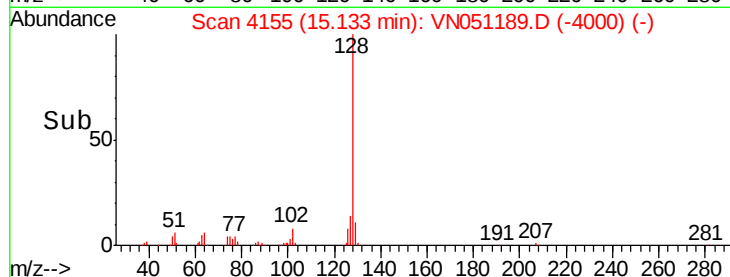
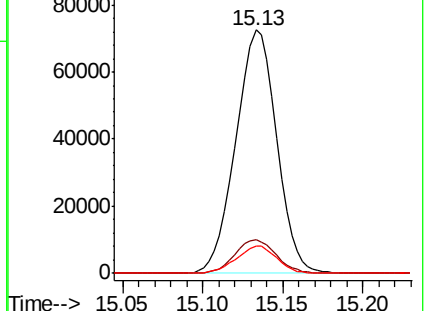
129 11.1 8.7 13.1



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



#92

1,2,3-Trichlorobenzene

Concen: 10.05 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051189.D

Acq: 14 Sep 2018 14:47

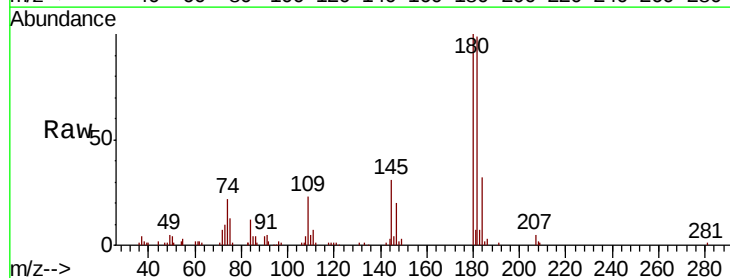
Tgt Ion:180 Resp: 78206

Ion Ratio Lower Upper

180 100

182 95.8 0.0 192.8

145 29.7 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

