

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051043.D
 Acq On : 7 Sep 2018 9:35
 Operator : MD\SY
 Sample : VN0907WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Quant Time: Sep 07 14:13:33 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	140944	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	737465	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	669587	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	266997	29.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.97%
60) 4-Bromofluorobenzene	12.40	95	297055	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	10.09	98	942024	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	146407	16.727	ug/l 97
3) Chloromethane	2.06	50	171499	16.593	ug/l 99
4) Vinyl Chloride	2.18	62	174165	17.055	ug/l 99
5) Bromomethane	2.55	94	126831	20.375	ug/l 97
6) Chloroethane	2.70	64	104838	17.405	ug/l 100
7) Trichlorofluoromethane	3.01	101	241352	17.827	ug/l 97
8) Diethyl Ether	3.41	74	85967	18.010	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150722	17.978	ug/l 98
10) 1,1-Dichloroethene	3.73	96	133044	17.469	ug/l 99
11) Methyl Iodide	3.95	142	87096	12.257	ug/l 99
12) Methyl Acetate	4.33	43	201196	22.846	ug/l 97
13) Acrolein	3.61	56	39396	202.028	ug/l 93
14) Acrylonitrile	5.00	53	279890	94.001	ug/l 97
15) Acetone	3.82	58	69636	91.395	ug/l 97
16) Carbon Disulfide	4.05	76	367030	16.028	ug/l 99
17) Allyl chloride	4.32	41	203627	16.993	ug/l 99
18) Methylene Chloride	4.55	84	160155	17.916	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	140238	17.283	ug/l 100
20) Diisopropyl ether	5.95	45	455511	18.313	ug/l 99
21) 1,1-Dichloroethane	5.85	63	272334	17.857	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	161844	17.657	ug/l 98
23) tert-Butyl Alcohol	4.80	59	60833	96.069	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	381024	18.292	ug/l 99
25) Chloroform	7.37	83	277290	18.217	ug/l 99
26) Cyclohexane	7.65	56	209640	16.591	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	198283	17.959	ug/l 100
30) 2-Butanone	6.84	43	309455	91.112	ug/l 100
31) 2,2-Dichloropropane	6.82	77	206528	19.225	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	233448	18.646	ug/l 99
33) Carbon Tetrachloride	7.77	117	207706	18.422	ug/l 98
34) Benzene	8.04	78	632476	18.518	ug/l 98
35) Methacrylonitrile	7.17	41	48680	13.082	ug/l 95
36) 1,2-Dichloroethane	8.13	62	196777	19.050	ug/l 99
37) Trichloroethene	8.84	130	166995	18.707	ug/l 98
38) Methylcyclohexane	9.08	83	201239	16.971	ug/l 99
39) 1,2-Dichloropropane	9.12	63	168853	18.929	ug/l 98
40) Dibromomethane	9.21	93	103754	19.309	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	213446	18.843	ug/l	98
42) Vinyl Acetate	5.90	43	1345024	85.976	ug/l	100
43) Ethyl Acetate	6.93	43	126335	18.157	ug/l	98
44) Isopropyl Acetate	8.17	43	229045	18.655	ug/l	98
45) 1,4-Dioxane	9.20	88	34754	381.063	ug/l	95
46) Methyl methacrylate	9.20	41	117943	19.181	ug/l	96
47) n-amyl Acetate	12.07	43	178996	18.134	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	204971	18.460	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	239263	18.759	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	151777	19.440	ug/l	99
51) Ethyl methacrylate	10.43	69	174984	18.318	ug/l	99
52) 1,3-Dichloropropane	10.71	76	249520	19.294	ug/l	99
53) Dibromochloromethane	10.90	129	168563	18.987	ug/l	100
54) 1,2-Dibromoethane	11.01	107	144471	18.714	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	313752	78.937	ug/l	100
56) Bromoform	12.13	173	122368	19.380	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	700063	91.378	ug/l	99
59) 2-Hexanone	10.75	43	453978	90.657	ug/l	99
61) Tetrachloroethene	10.63	164	153575	18.406	ug/l	99
62) Toluene	10.16	91	679501	18.190	ug/l	100
64) Chlorobenzene	11.43	112	427554	18.467	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	163705	18.728	ug/l	99
66) Ethyl Benzene	11.51	91	684478	17.689	ug/l	100
67) m/p-Xylenes	11.62	106	551141	37.020	ug/l	99
68) o-Xylene	11.95	106	261911	18.411	ug/l	98
69) Styrene	11.96	104	418659	18.510	ug/l	99
70) Isopropylbenzene	12.25	105	696108	18.415	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	195418	19.094	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	223896	25.357	ug/l	97
73) Bromobenzene	12.53	156	185028	18.604	ug/l	99
74) n-propylbenzene	12.59	91	787089	18.417	ug/l	99
75) 2-Chlorotoluene	12.67	91	485559	18.702	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	580478	18.791	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	44938	17.864	ug/l	98
78) 4-Chlorotoluene	12.77	91	474312	18.554	ug/l	99
79) tert-butylbenzene	12.99	119	499419	18.616	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	585019	18.995	ug/l	100
81) sec-Butylbenzene	13.17	105	656749	18.710	ug/l	99
82) p-Isopropyltoluene	13.29	119	568723	18.771	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	310188	18.447	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	290786	18.252	ug/l	98
85) n-Butylbenzene	13.62	91	415920	17.991	ug/l	100
86) Hexachloroethane	13.88	117	106114	18.247	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	311821	18.840	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27956	19.525	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	121606	16.504	ug/l	99
90) Hexachlorobutadiene	15.01	225	104723	20.920	ug/l	98
91) Naphthalene	15.13	128	233996	18.737	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	128310	17.354	ug/l	99

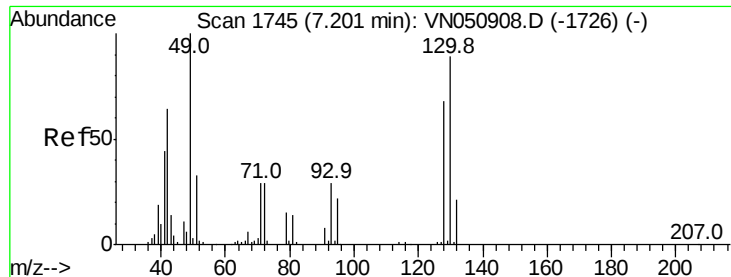
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

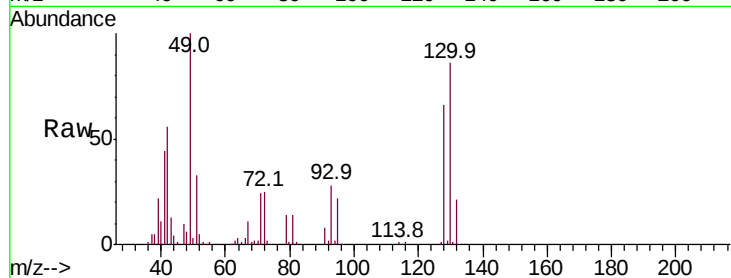
Tot Ion:128 Resp: 140944

Ion Ratio Lower Upper

128 100

49 148.1 0.0 380.3

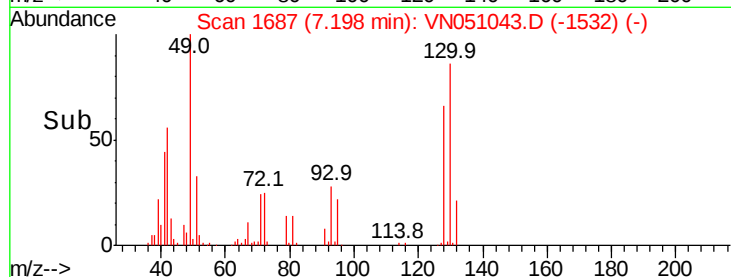
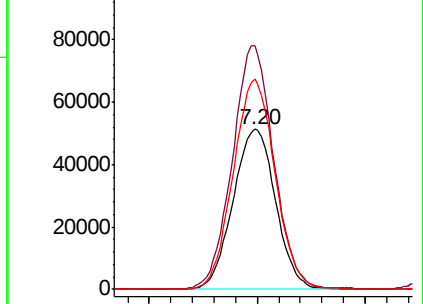
130 129.5 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.727 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051043.D

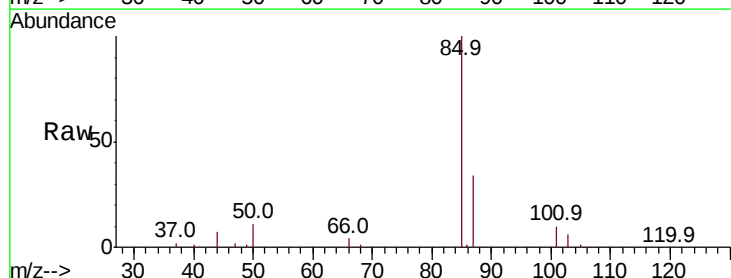
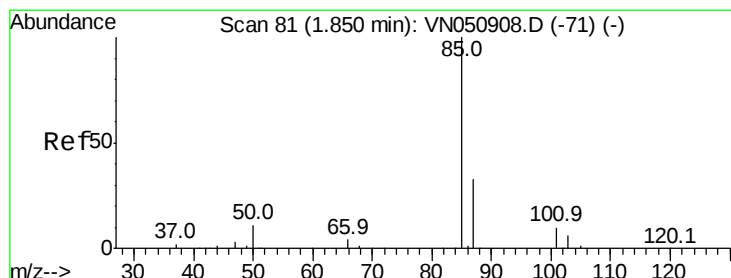
Acq: 7 Sep 2018 9:35

Tgt Ion: 85 Resp: 146407

Ion Ratio Lower Upper

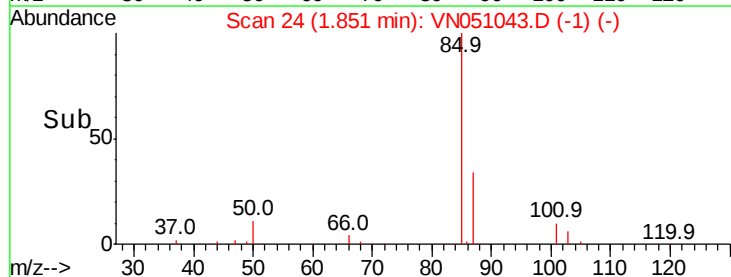
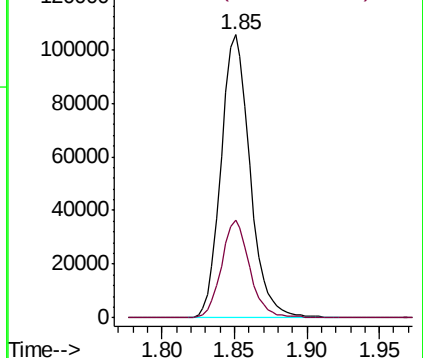
85 100

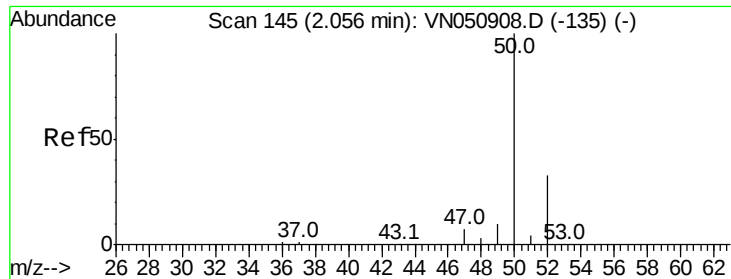
87 34.4 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

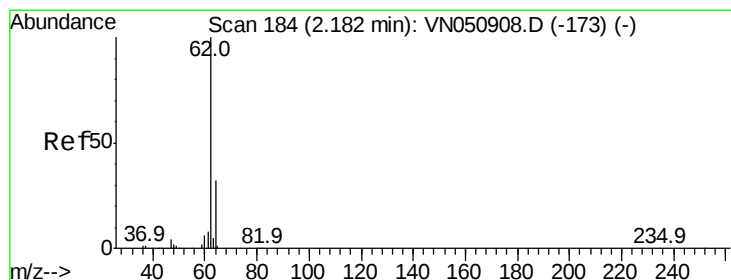
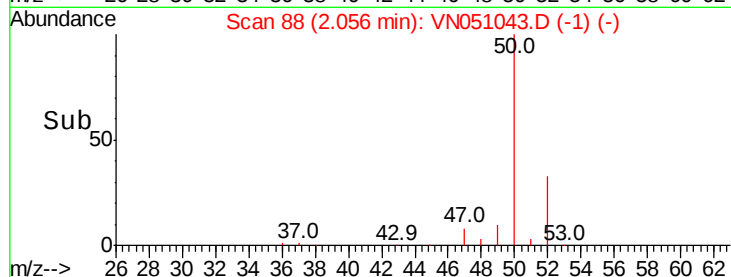
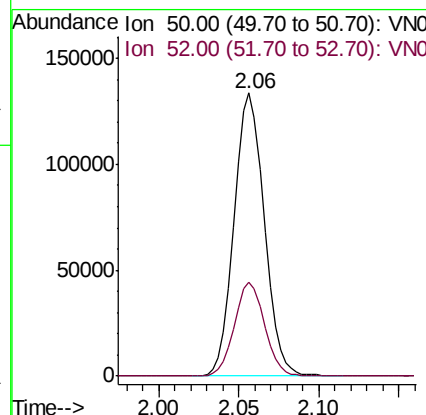
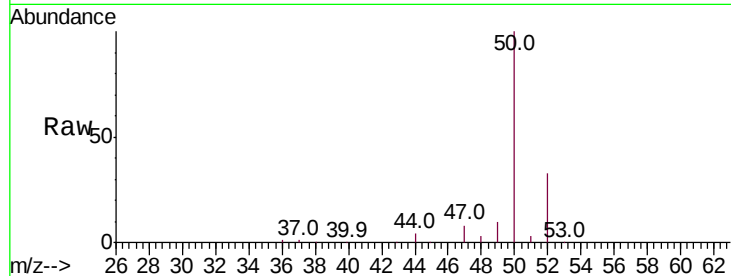




#3
Chloromethane
Concen: 16.593 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

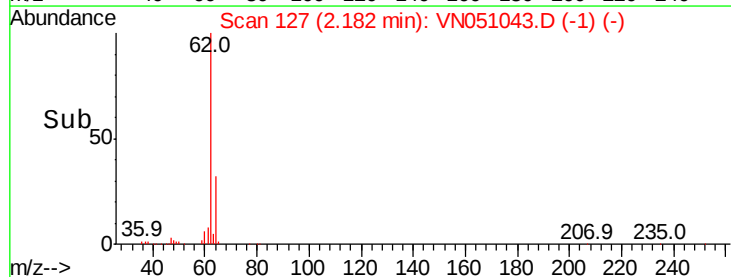
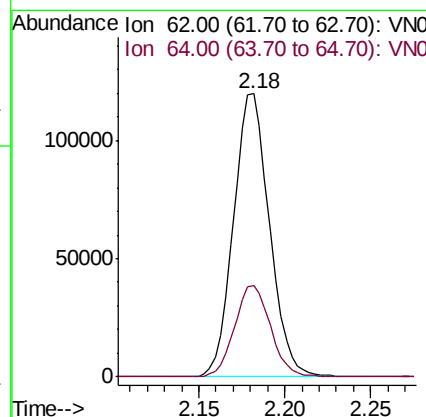
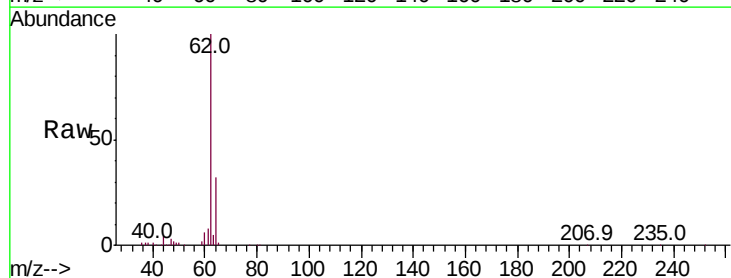
Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

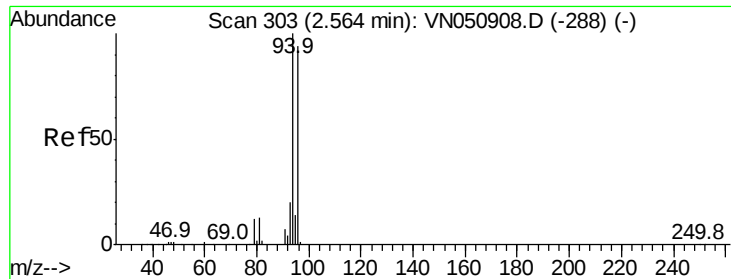
Tot Ion: 50 Resp: 171499
Ion Ratio Lower Upper
50 100
52 33.4 26.2 39.4



#4
Vinyl Chloride
Concen: 17.055 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 62 Resp: 174165
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





#5

Bromomethane

Concen: 20.375 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

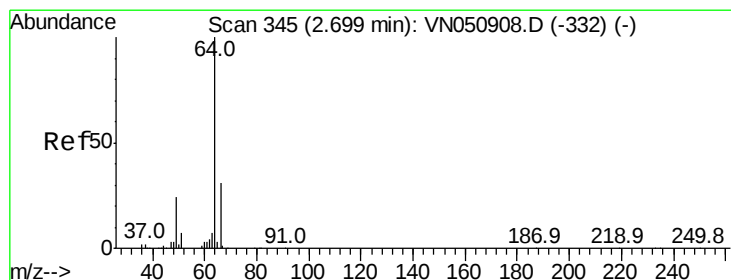
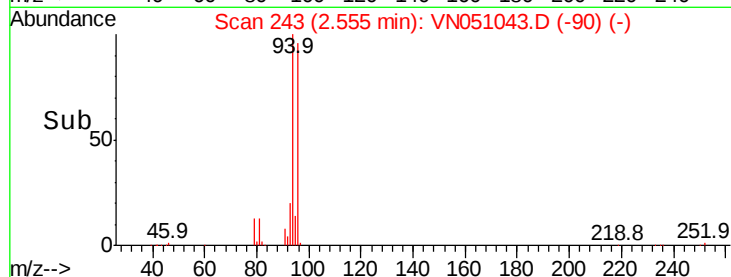
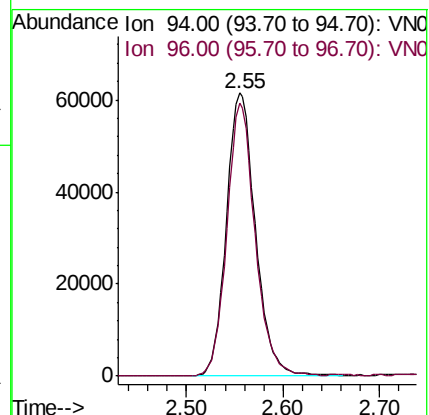
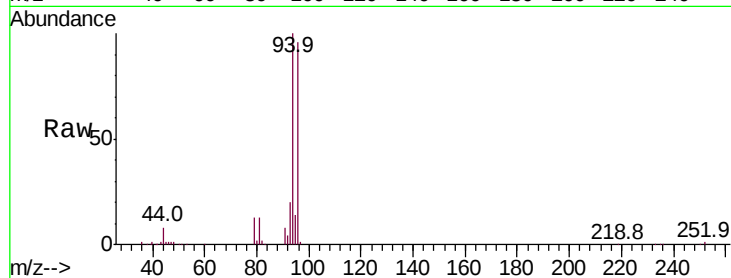
VN0907WBS01

Tot Ion: 94 Resp: 126831

Ion Ratio Lower Upper

94 100

96 96.7 74.9 112.3



#6

Chloroethane

Concen: 17.405 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051043.D

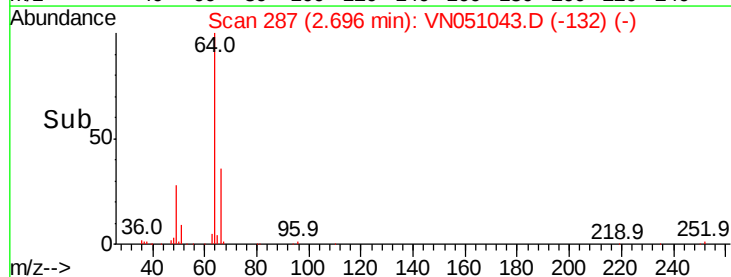
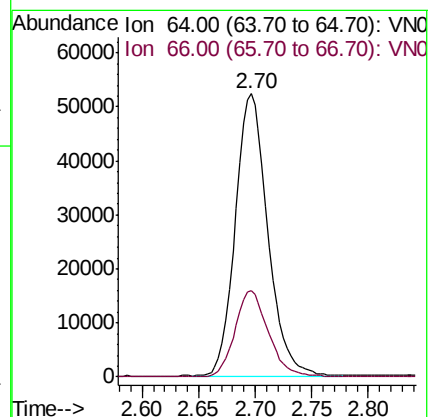
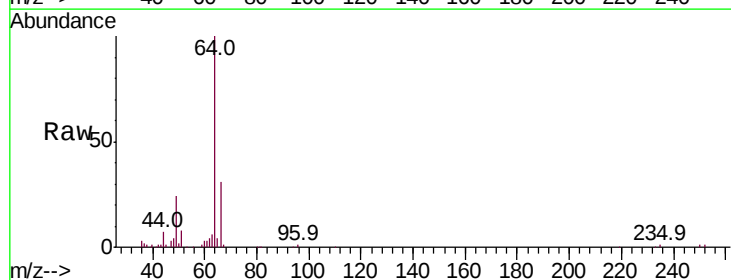
Acq: 7 Sep 2018 9:35

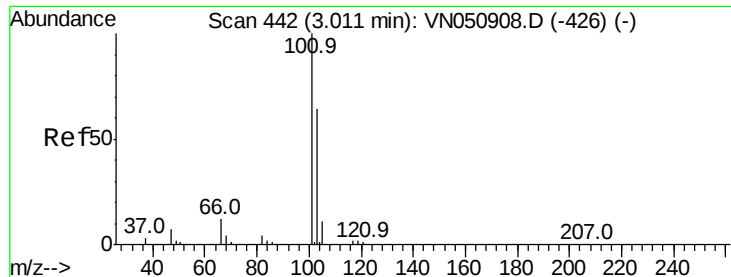
Tgt Ion: 64 Resp: 104838

Ion Ratio Lower Upper

64 100

66 30.7 24.5 36.7



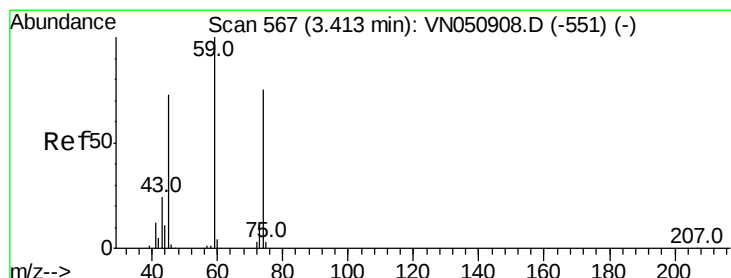
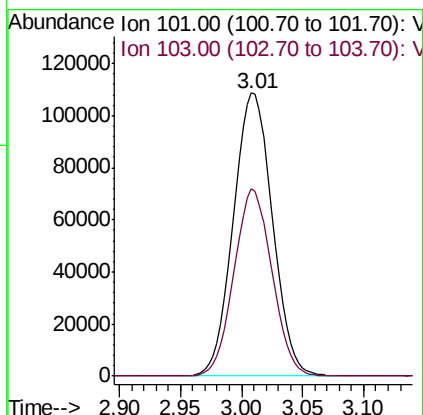
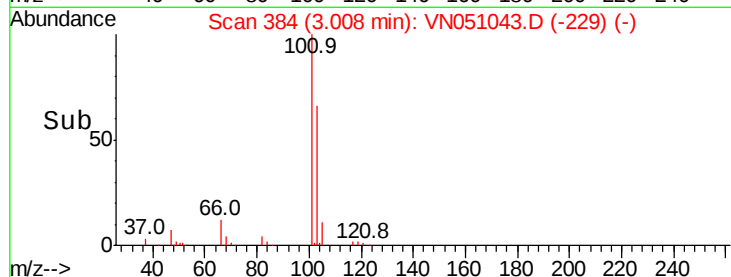
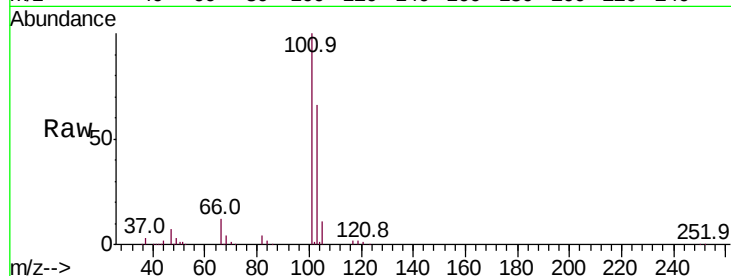


#7

Trichlorofluoromethane
 Concen: 17.827 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

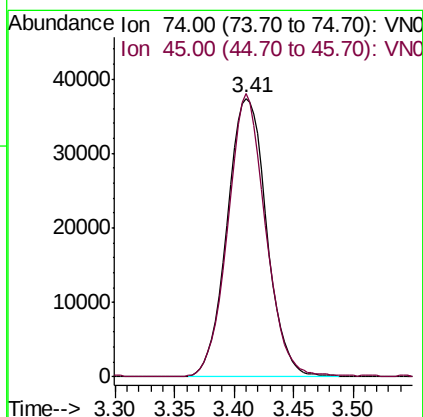
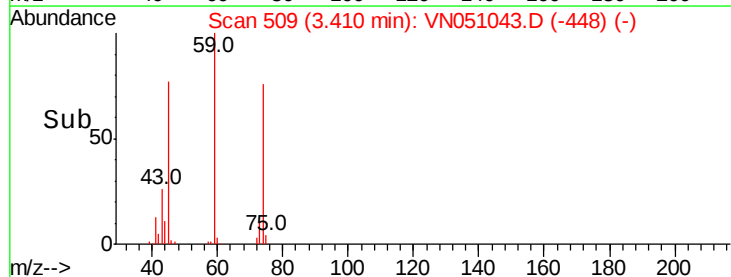
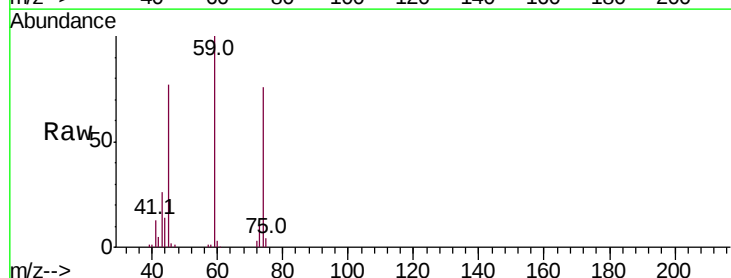
Tot Ion:101 Resp: 241352
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.3 76.9

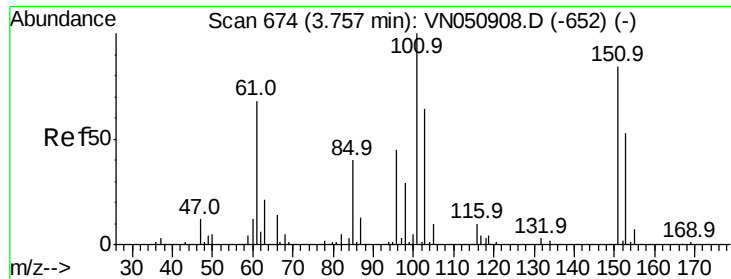


#8

Diethyl Ether
 Concen: 18.010 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 74 Resp: 85967
 Ion Ratio Lower Upper
 74 100
 45 97.0 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.978 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

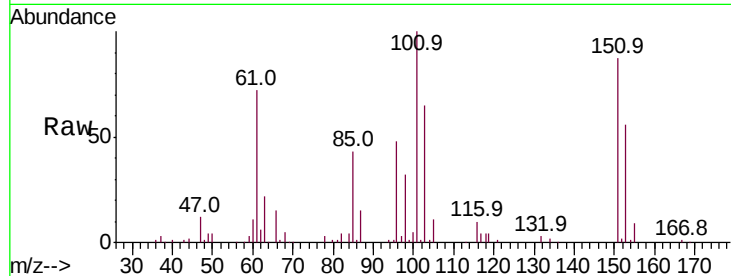
Tot Ion:101 Resp: 150722

Ion Ratio Lower Upper

101 100

85 42.2 0.0 83.6

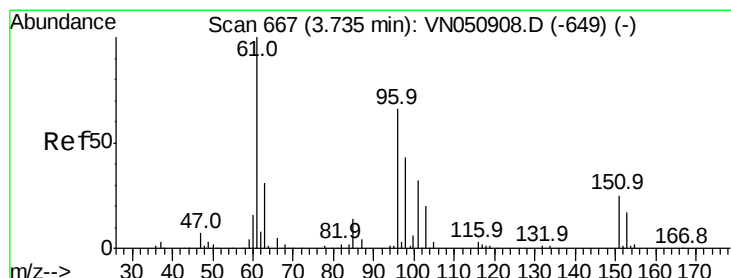
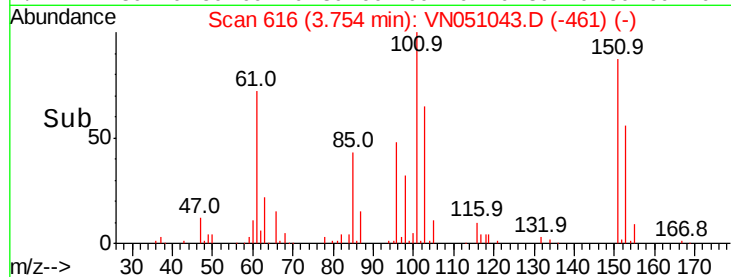
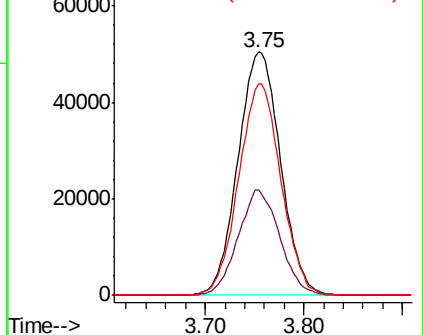
151 86.4 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.469 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

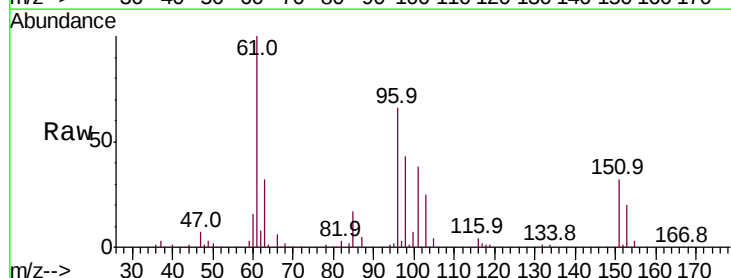
Tgt Ion: 96 Resp: 133044

Ion Ratio Lower Upper

96 100

61 150.6 121.8 182.8

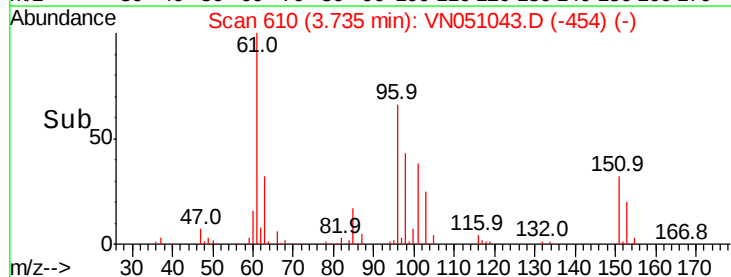
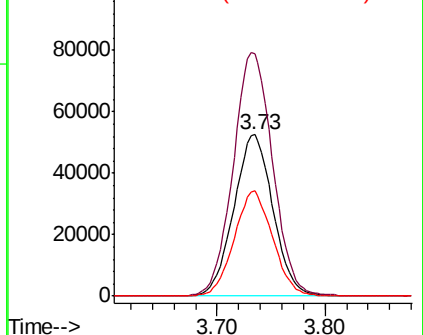
98 65.1 52.3 78.5

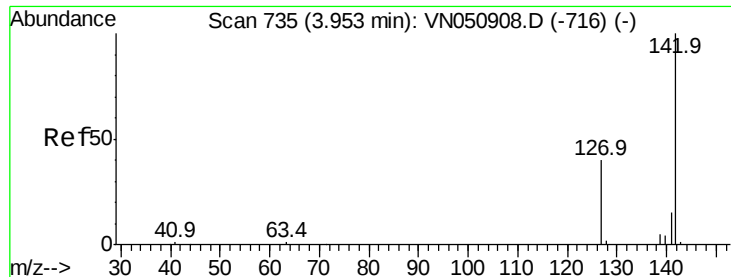


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

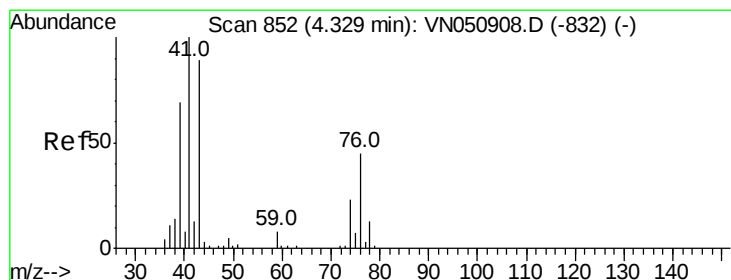
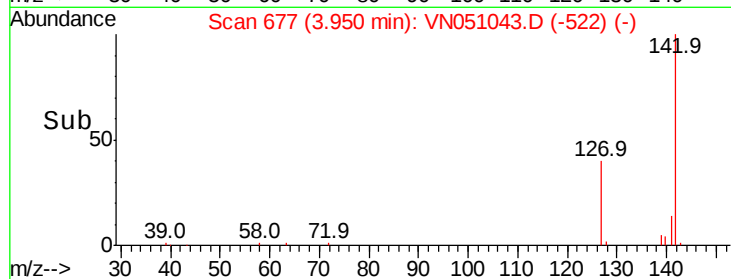
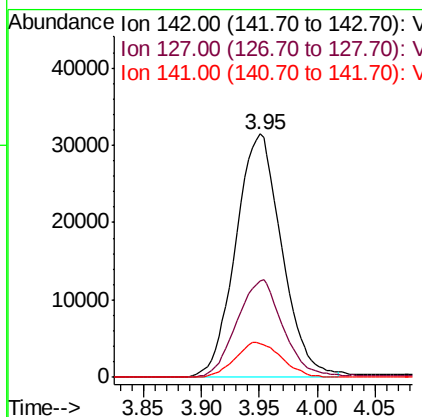
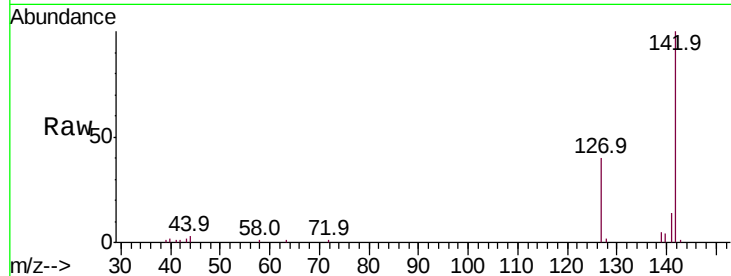




#11
Methvl Iodide
Concen: 12.257 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

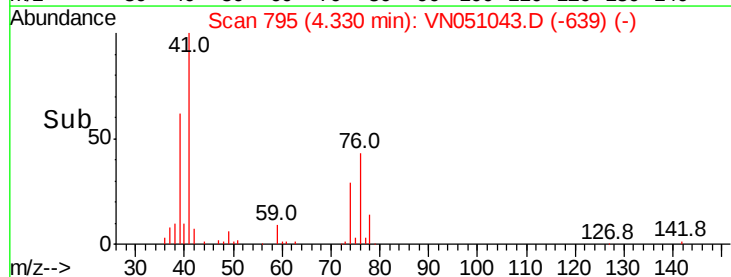
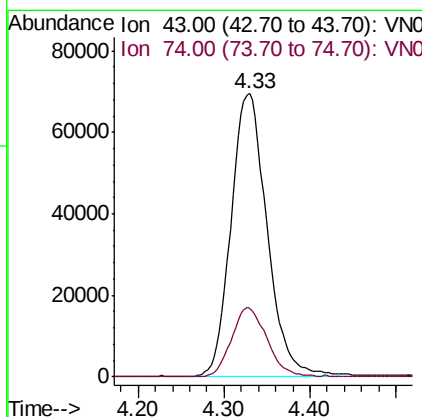
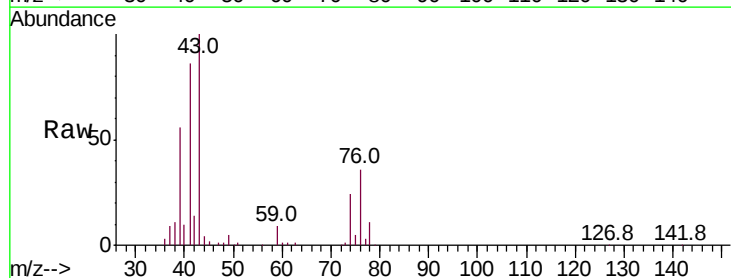
Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

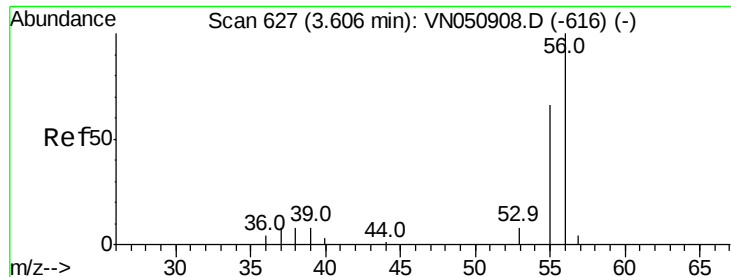
Tot Ion:142 Resp: 87096
Ion Ratio Lower Upper
142 100
127 39.5 19.7 59.1
141 14.0 7.3 22.0



#12
Methyl Acetate
Concen: 22.846 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 43 Resp: 201196
Ion Ratio Lower Upper
43 100
74 24.2 20.6 31.0





#13

Acrolein

Concen: 202.028 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

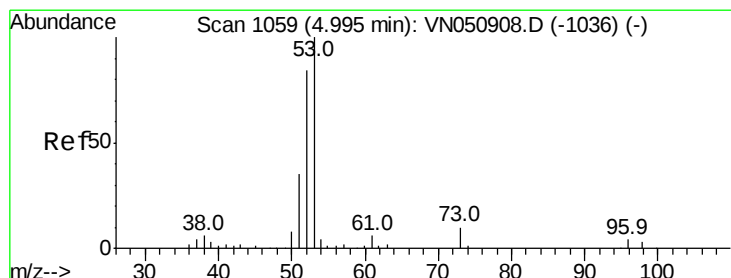
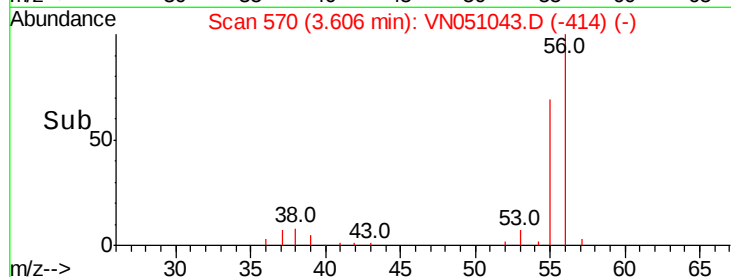
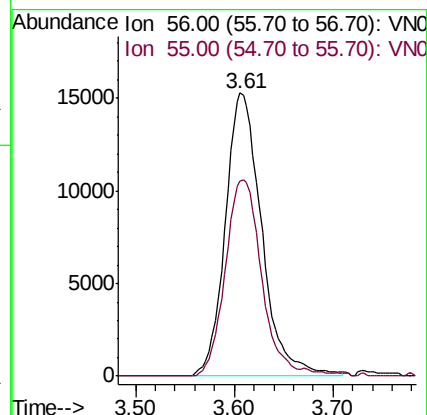
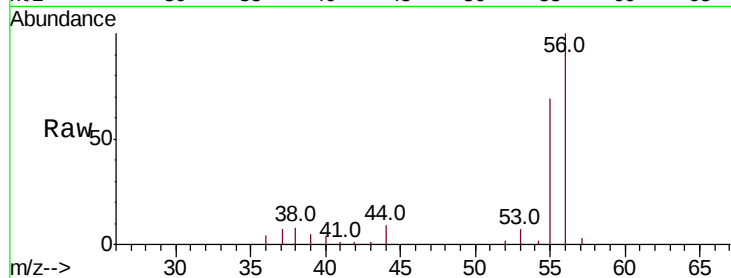
VN0907WBS01

Tot Ion: 56 Resp: 39396

Ion Ratio Lower Upper

56 100

55 68.3 59.1 88.7



#14

Acrylonitrile

Concen: 94.001 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

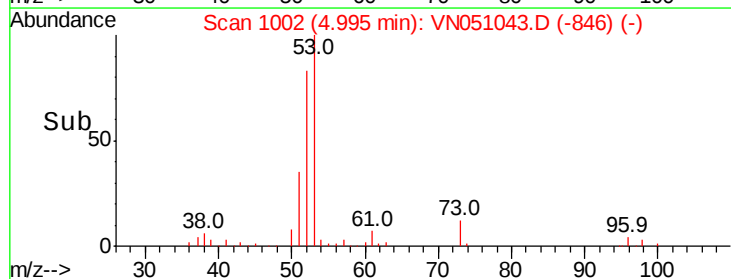
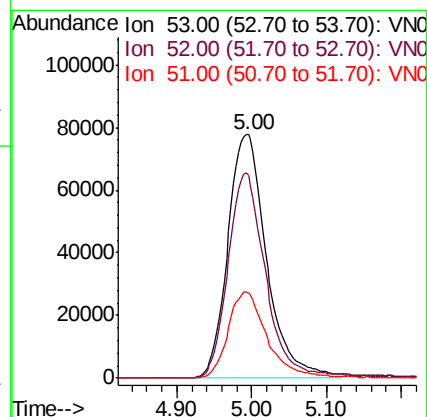
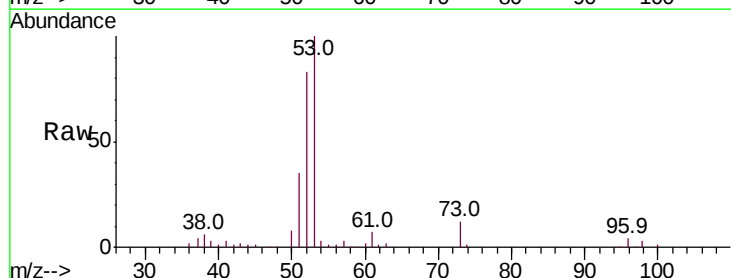
Tgt Ion: 53 Resp: 279890

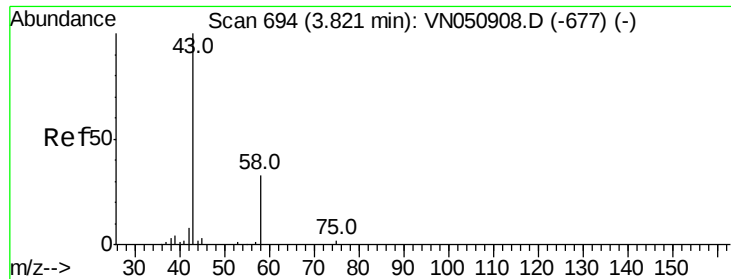
Ion Ratio Lower Upper

53 100

52 80.9 42.2 126.6

51 35.4 17.7 53.1





#15

Acetone

Concen: 91.395 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

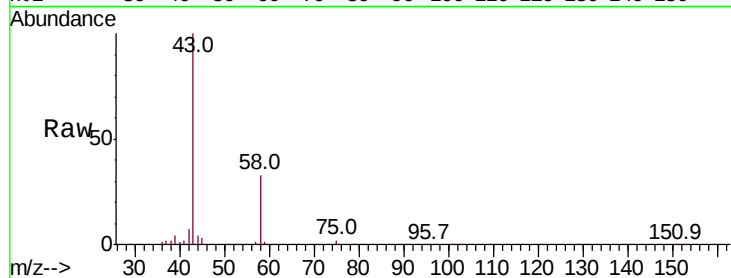
VN0907WBS01

Tot Ion: 58 Resp: 69636

Ion Ratio Lower Upper

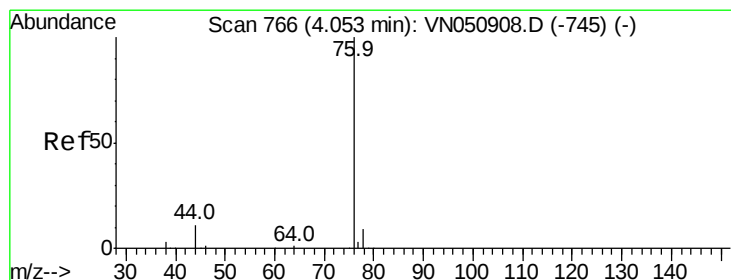
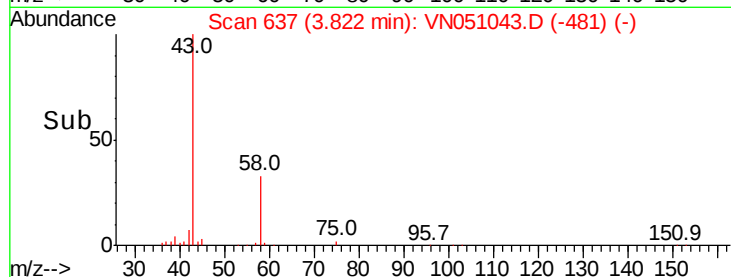
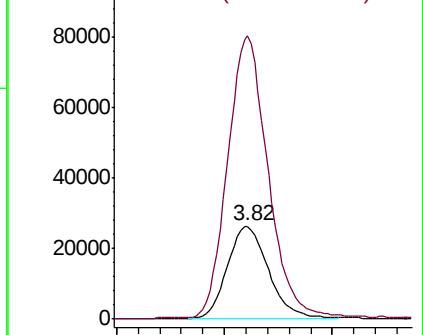
58 100

43 304.4 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VNO

Ion 43.00 (42.70 to 43.70): VNO



#16

Carbon Disulfide

Concen: 16.028 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051043.D

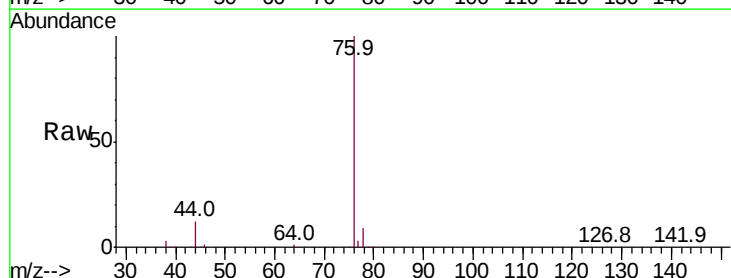
Acq: 7 Sep 2018 9:35

Tgt Ion: 76 Resp: 367030

Ion Ratio Lower Upper

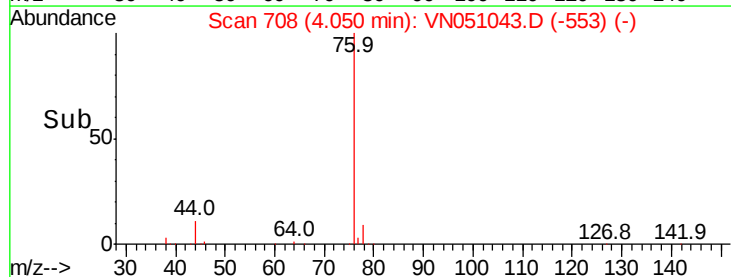
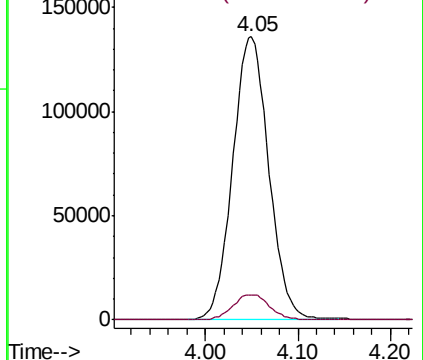
76 100

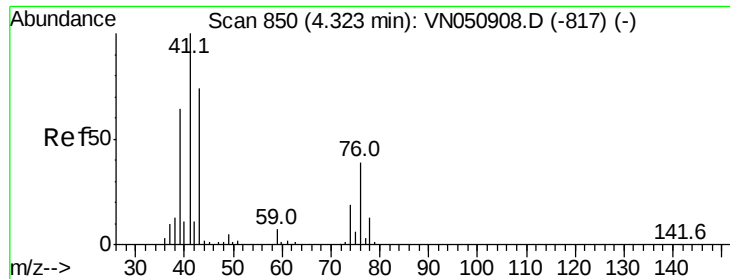
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VNO

Ion 78.00 (77.70 to 78.70): VNO

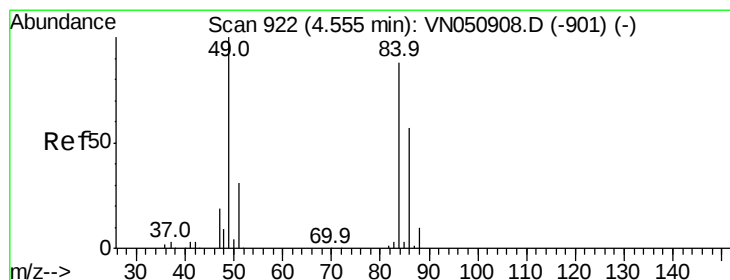
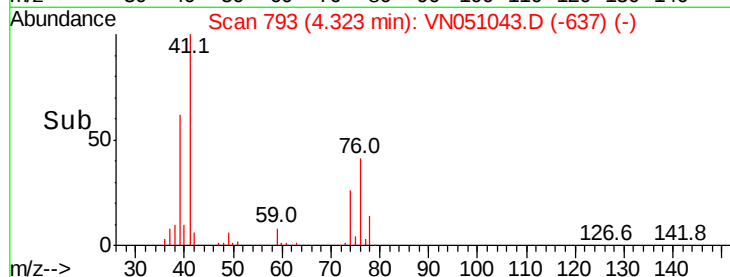
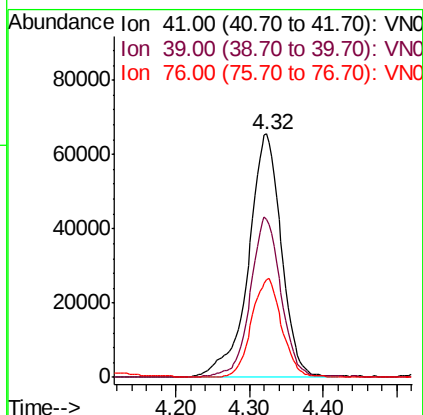
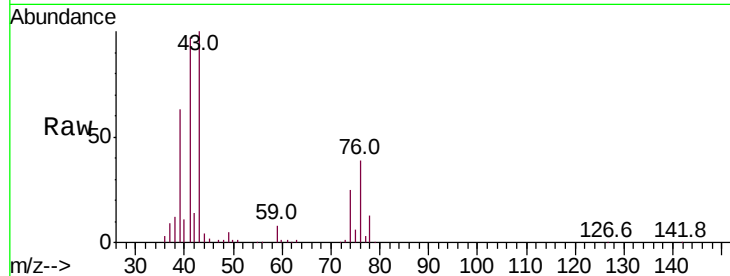




#17
Allvl chloride
Concen: 16.993 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

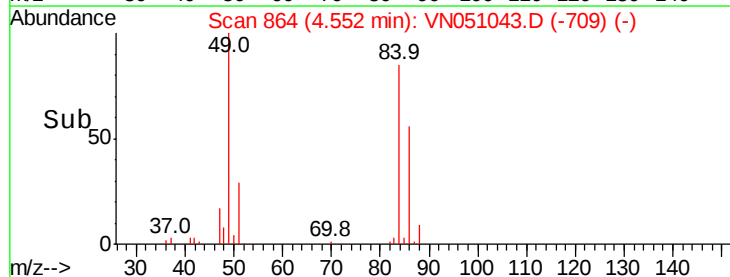
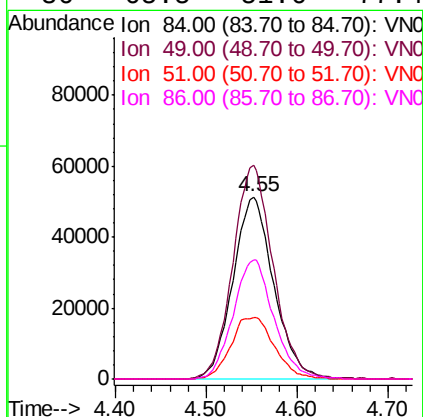
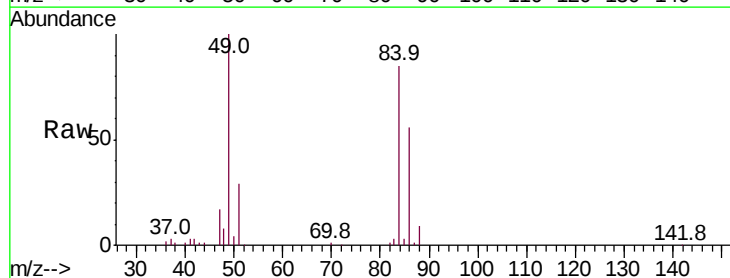
Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

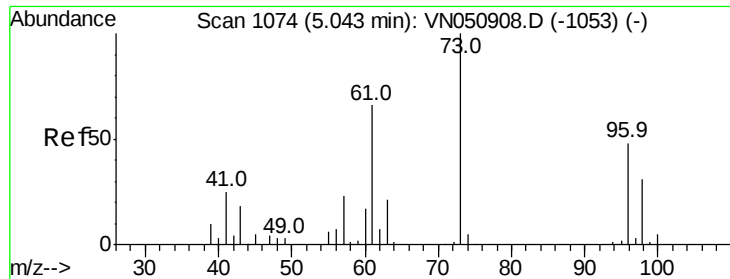
Tot Ion: 41 Resp: 203627
Ion Ratio Lower Upper
41 100
39 64.9 32.2 96.6
76 40.3 19.6 58.7



#18
Methylene Chloride
Concen: 17.916 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 84 Resp: 160155
Ion Ratio Lower Upper
84 100
49 117.2 90.6 135.8
51 33.6 28.4 42.6
86 65.5 51.6 77.4





#19

trans-1,2-Dichloroethene

Concen: 17.283 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

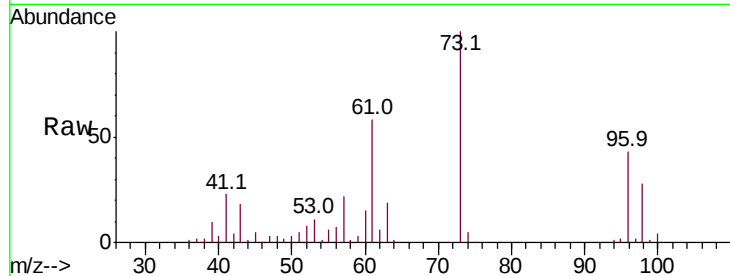
Tot Ion: 96 Resp: 140238

Ion Ratio Lower Upper

96 100

61 136.8 109.5 164.3

98 64.7 51.9 77.9

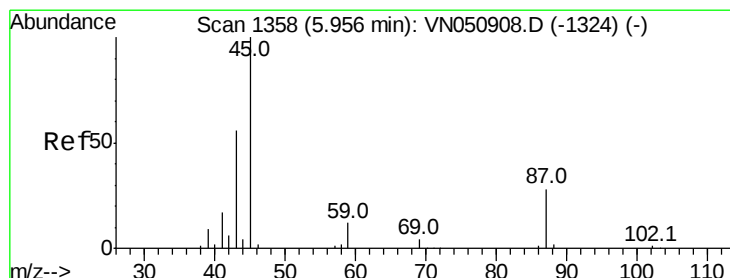
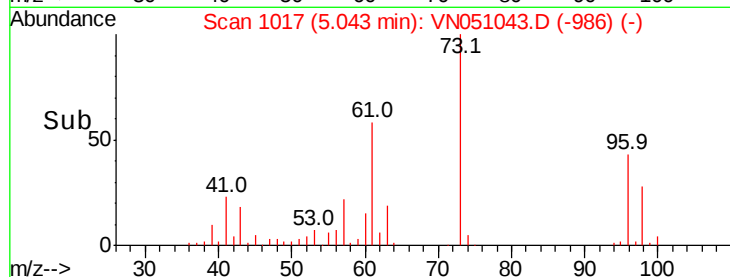
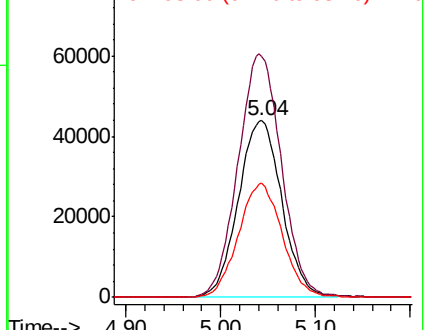


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 18.313 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Tgt Ion: 45 Resp: 455511

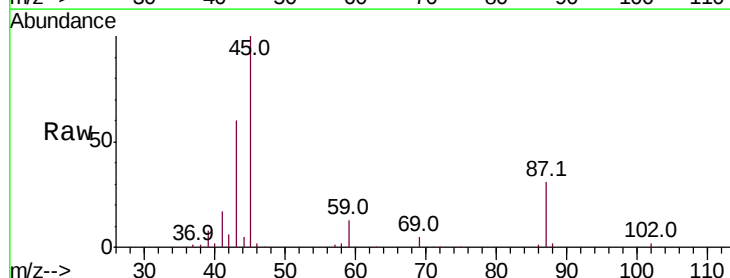
Ion Ratio Lower Upper

45 100

43 58.6 47.0 70.6

87 30.7 22.8 34.2

59 12.4 9.5 14.3



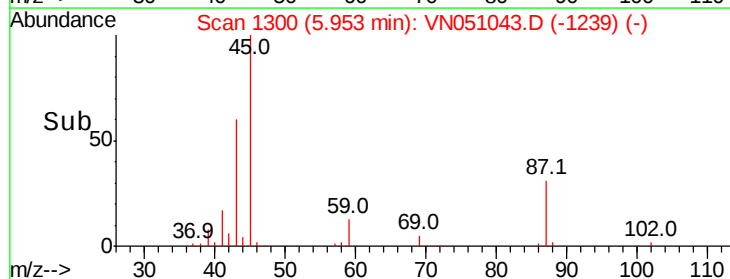
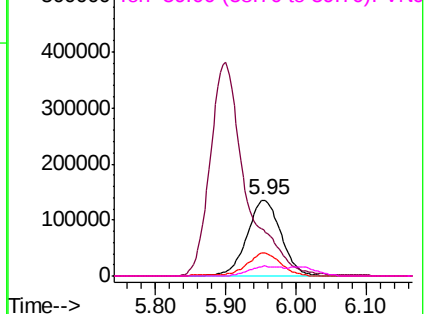
Abundance

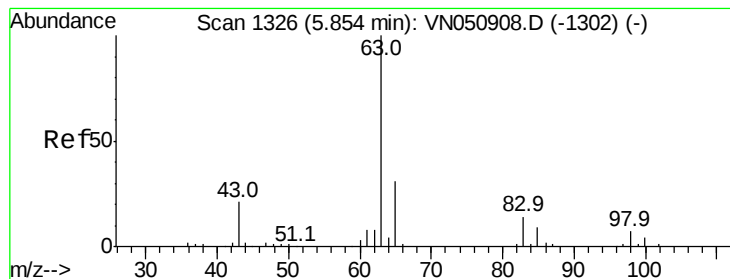
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 17.857 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

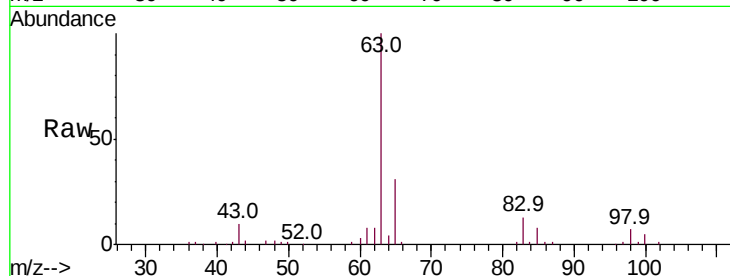
Tot Ion: 63 Resp: 272334

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

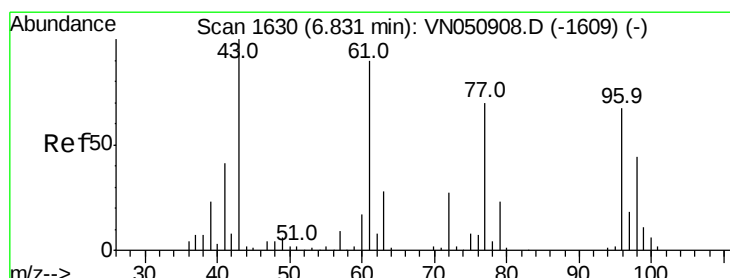
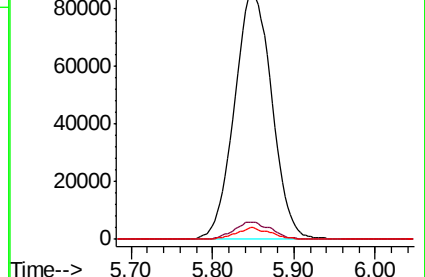
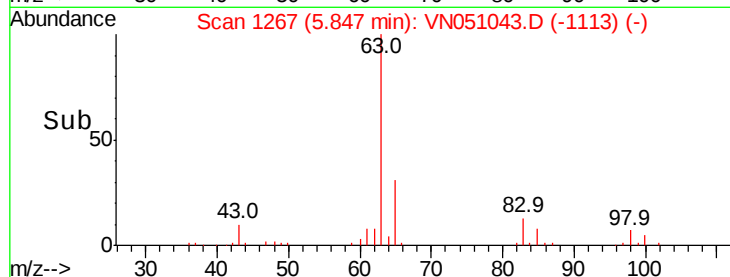
100 4.7 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 17.657 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

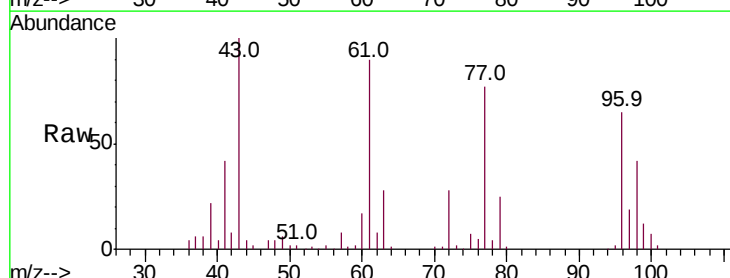
Tgt Ion: 96 Resp: 161844

Ion Ratio Lower Upper

96 100

61 140.5 110.0 165.0

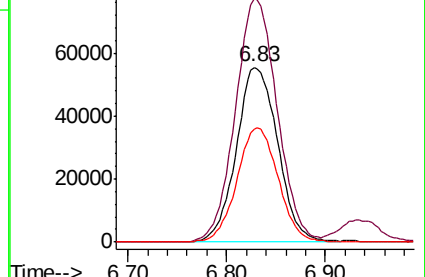
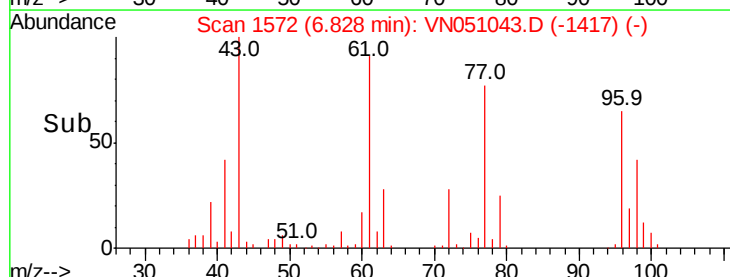
98 65.3 51.7 77.5

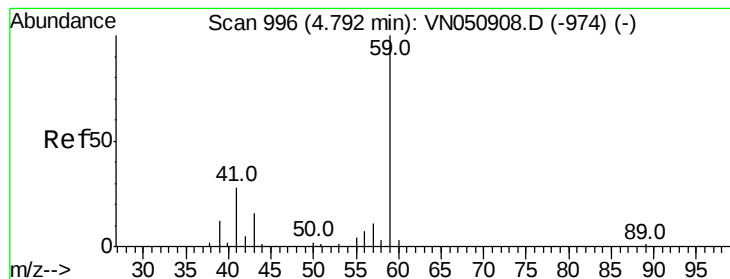


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 96.069 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.01 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

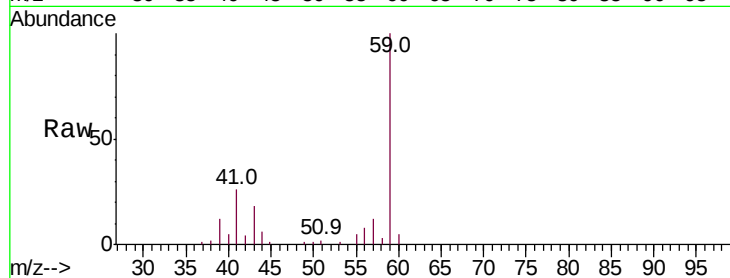
VN0907WBS01

Tot Ion: 59 Resp: 60833

Ion Ratio Lower Upper

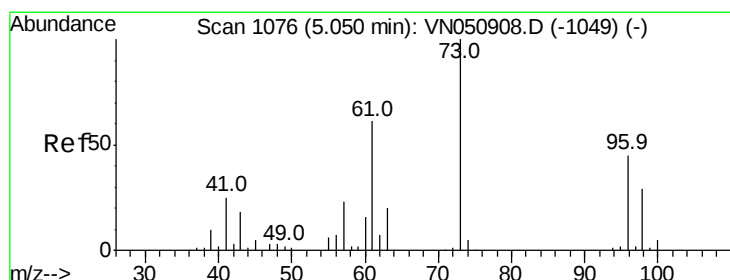
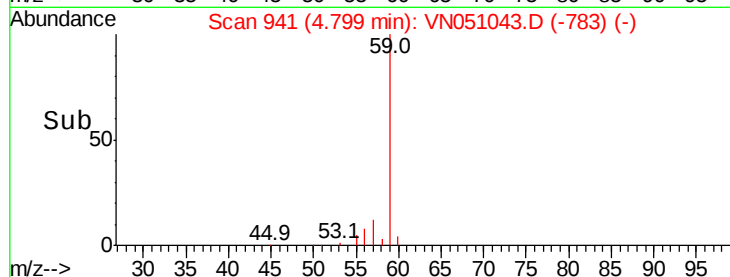
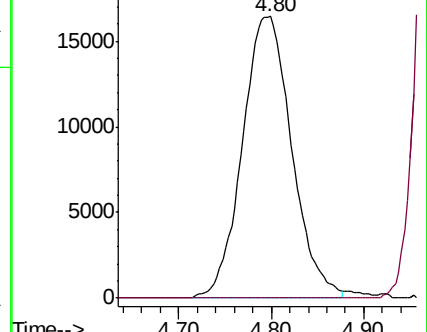
59 100

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) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.292 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051043.D

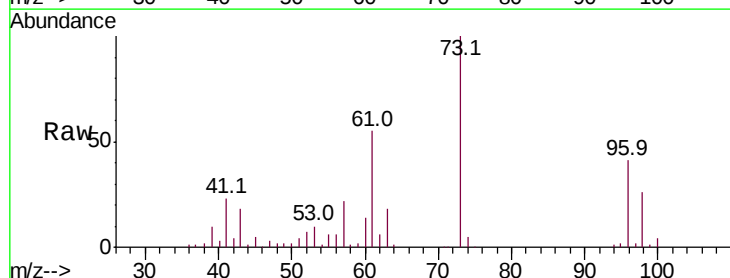
Acq: 7 Sep 2018 9:35

Tgt Ion: 73 Resp: 381024

Ion Ratio Lower Upper

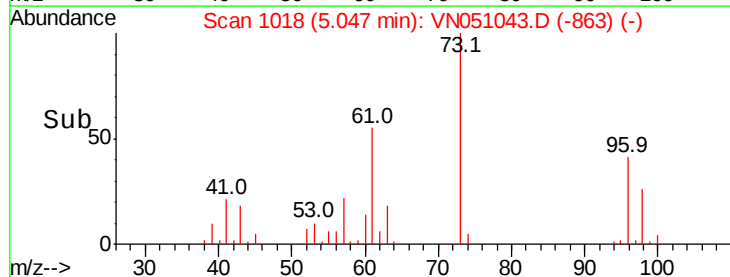
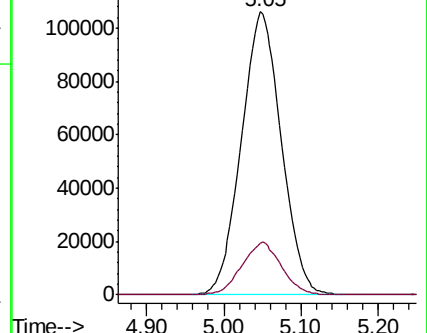
73 100

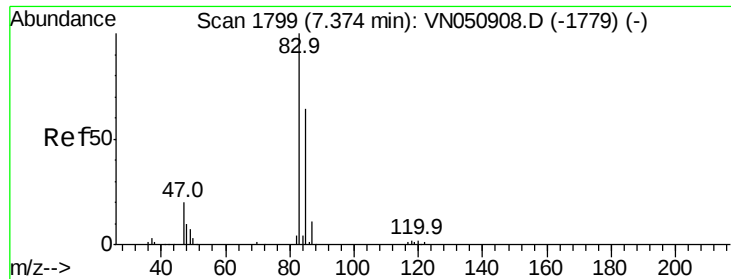
43 18.6 14.4 21.6



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

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





#25

Chloroform

Concen: 18.217 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

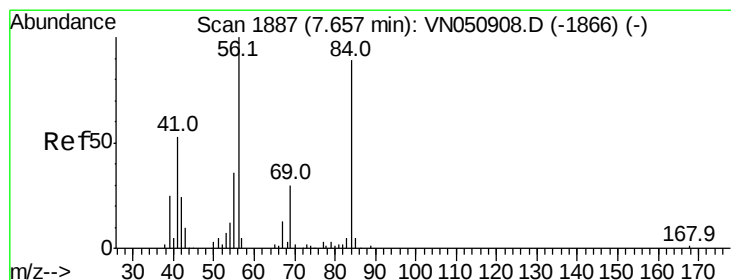
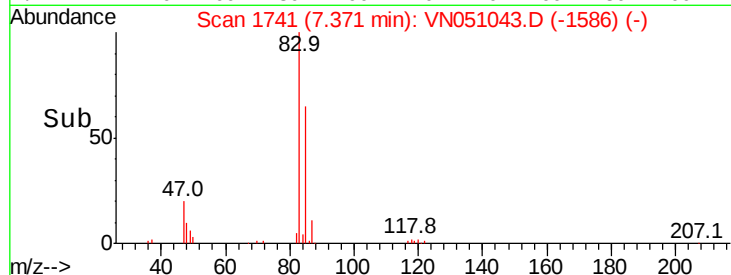
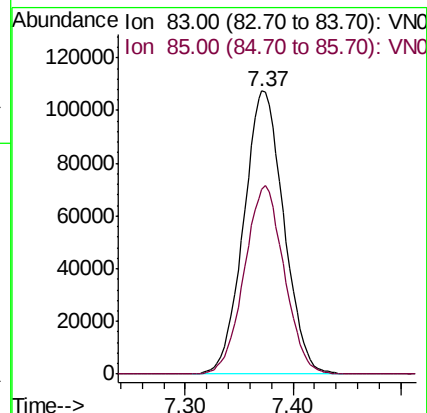
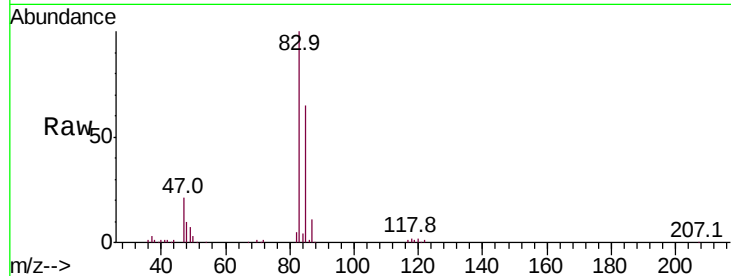
VN0907WBS01

Tot Ion: 83 Resp: 277290

Ion Ratio Lower Upper

83 100

85 65.3 51.4 77.0



#26

Cyclohexane

Concen: 16.591 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

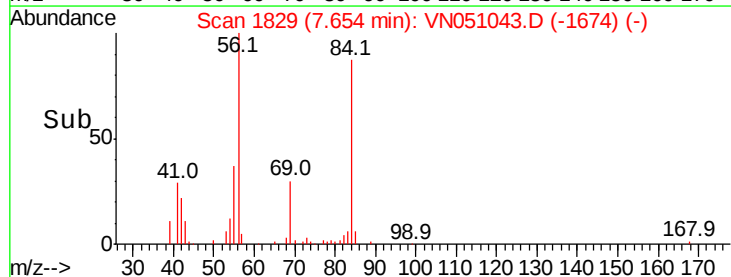
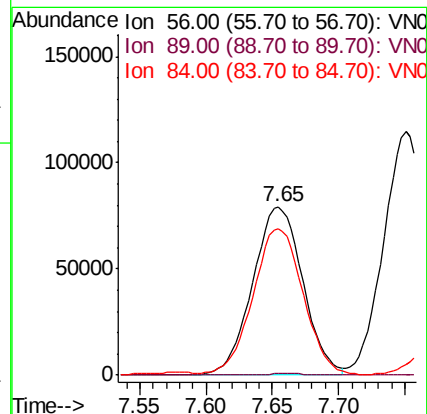
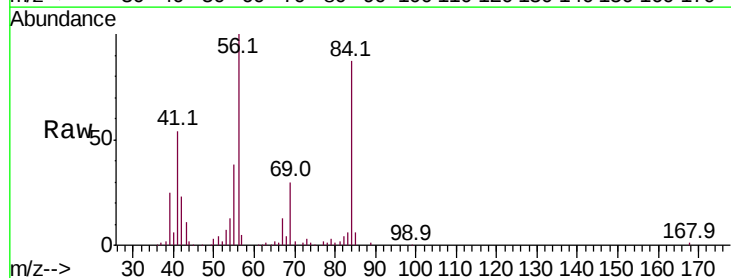
Tgt Ion: 56 Resp: 209640

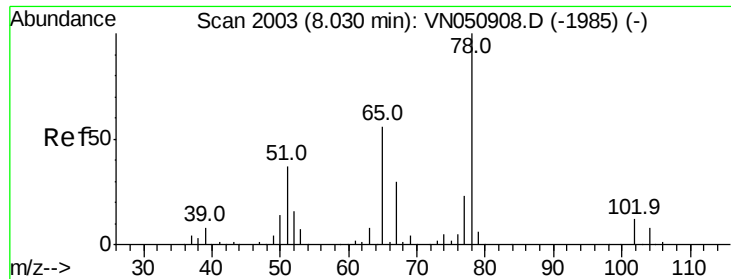
Ion Ratio Lower Upper

56 100

89 0.7 0.4 0.6#

84 87.3 70.4 105.6

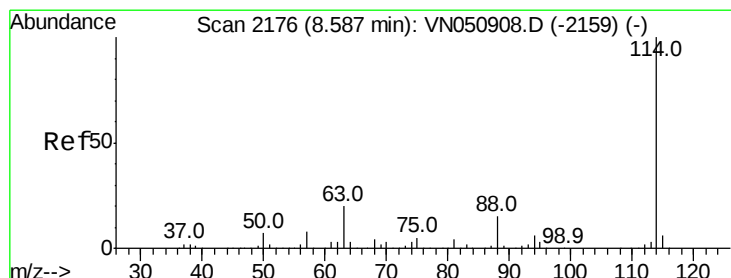
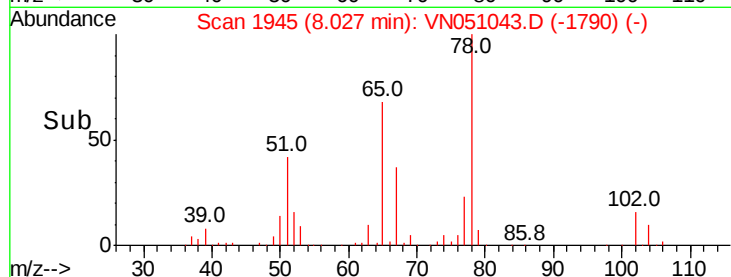
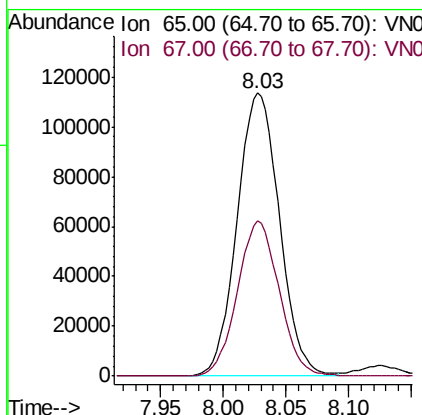
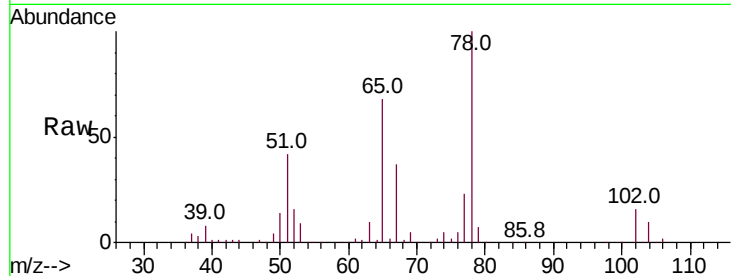




#27
 1,2-Dichloroethane-d4
 Concen: 29.685 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

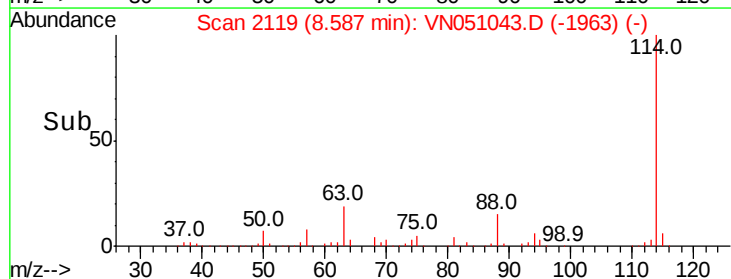
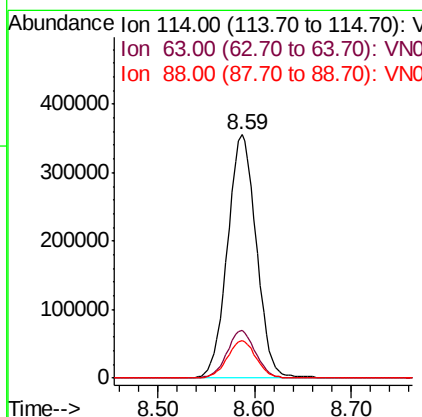
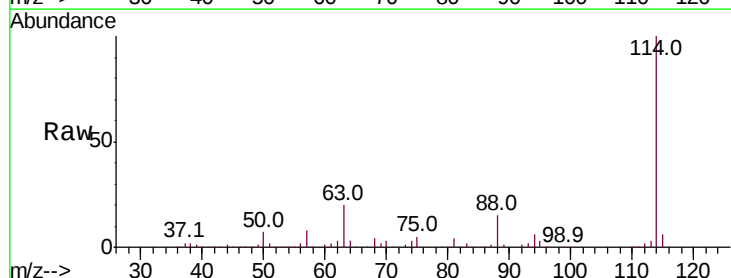
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

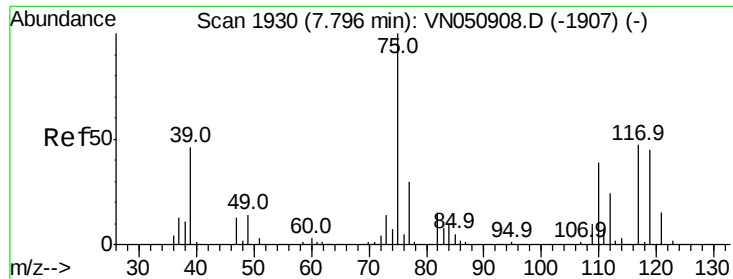
Tot Ion: 65 Resp: 266997
 Ion Ratio Lower Upper
 65 100
 67 54.1 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 114 Resp: 737465
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.6 23.4
 88 15.4 12.2 18.4

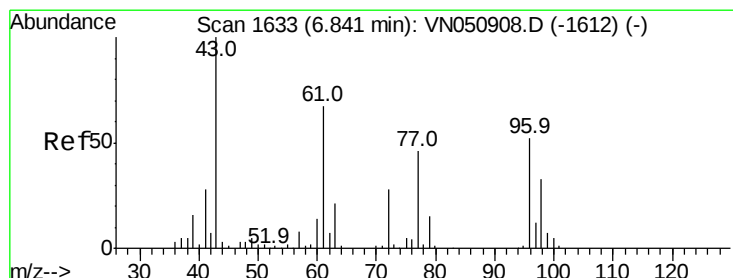
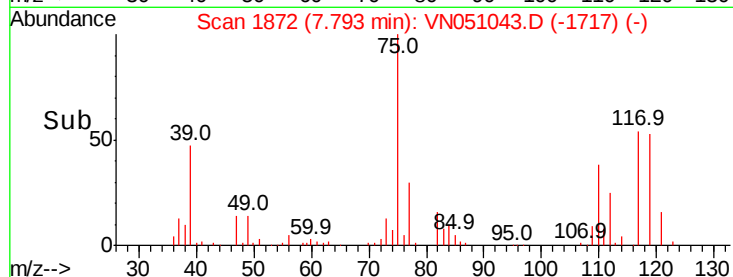
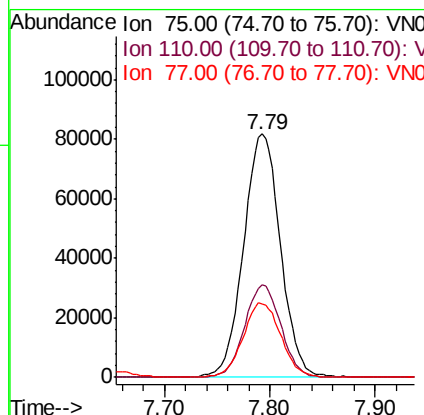
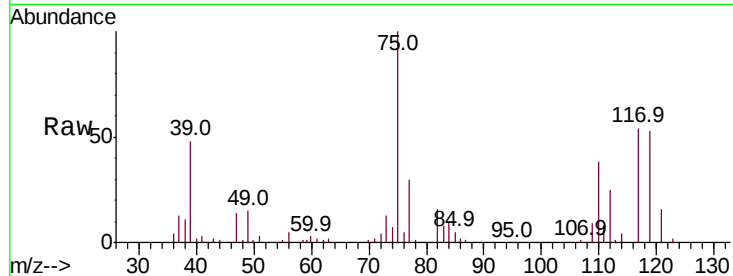




#29
 1,1-Dichloropropene
 Concen: 17.959 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

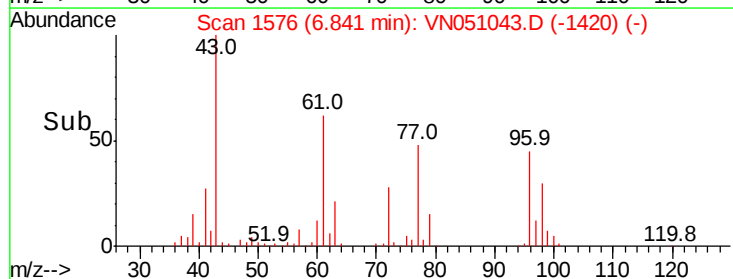
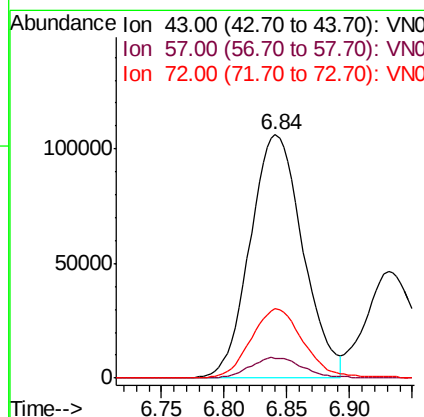
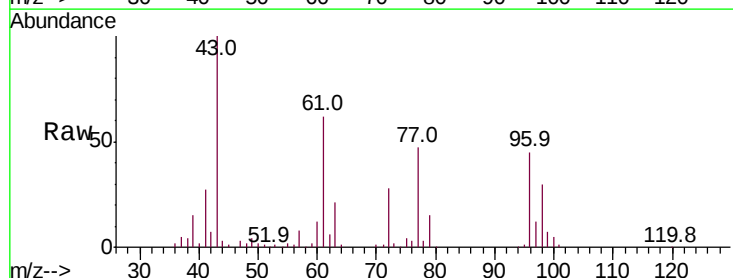
Instrument :
 MSVOA_N
 ClientSampled :
 VN0907WBS01

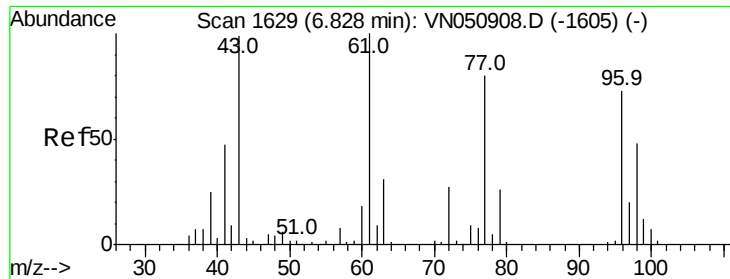
Tot Ion: 75 Resp: 198283
 Ion Ratio Lower Upper
 75 100
 110 37.4 0.0 75.0
 77 30.7 0.0 60.6



#30
 2-Butanone
 Concen: 91.112 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 43 Resp: 309455
 Ion Ratio Lower Upper
 43 100
 57 8.6 6.9 10.3
 72 28.4 22.8 34.2

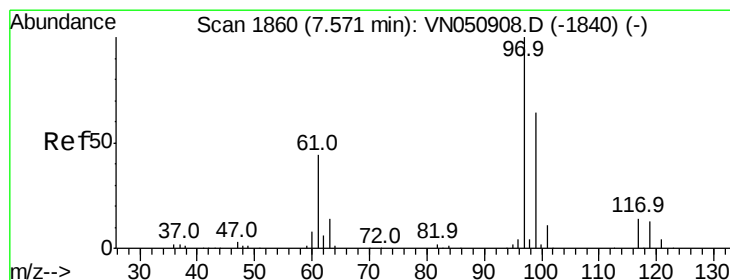
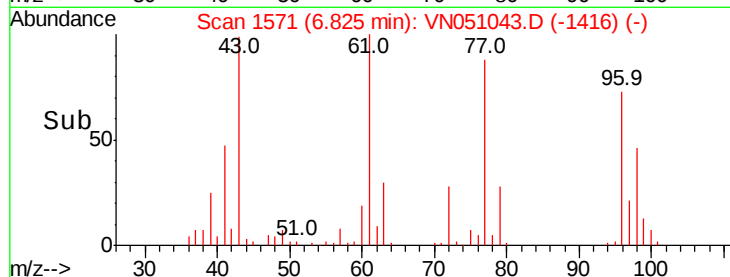
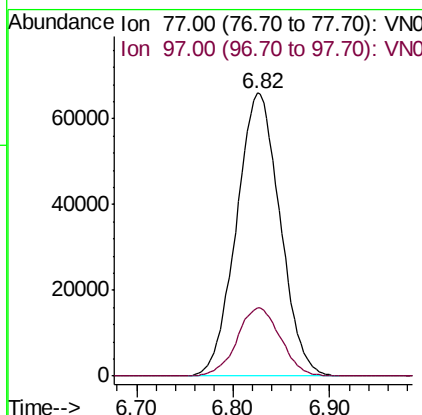
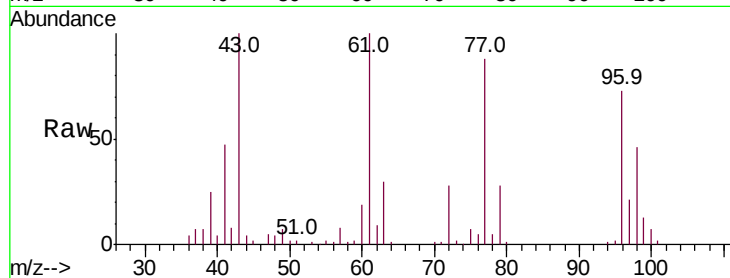




#31
 2,2-Dichloropropane
 Concen: 19.225 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

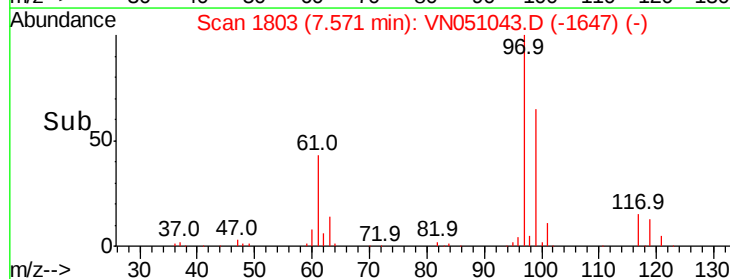
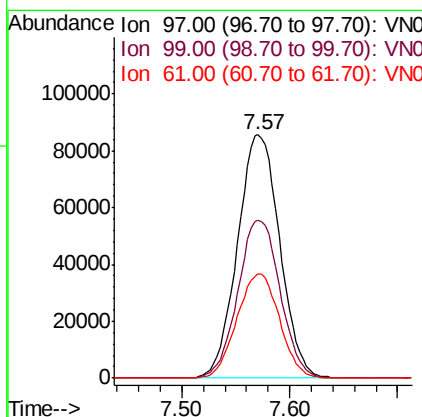
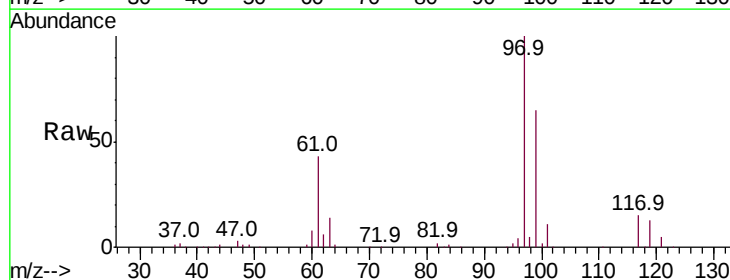
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

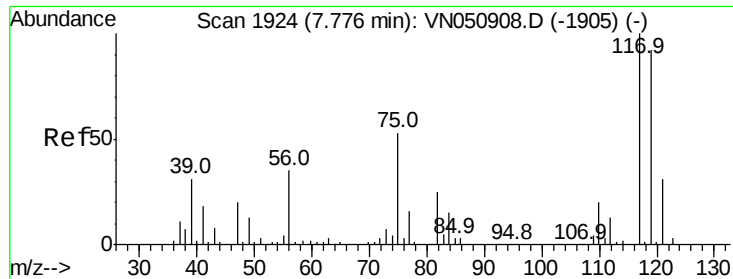
Tot Ion: 77 Resp: 206528
 Ion Ratio Lower Upper
 77 100
 97 24.1 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 18.646 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 97 Resp: 233448
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.0 78.0
 61 43.0 35.0 52.6





#33

Carbon Tetrachloride

Concen: 18.422 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

VN0907WBS01

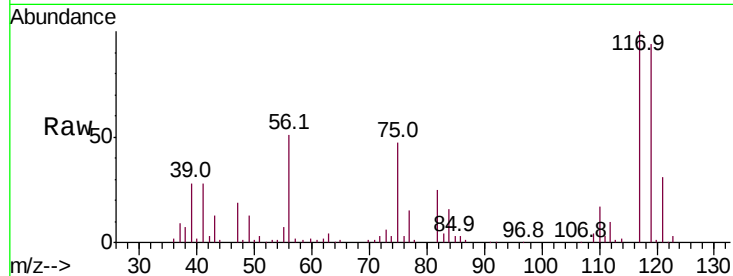
Tot Ion:117 Resp: 207706

Ion Ratio Lower Upper

117 100

119 94.3 73.5 110.3

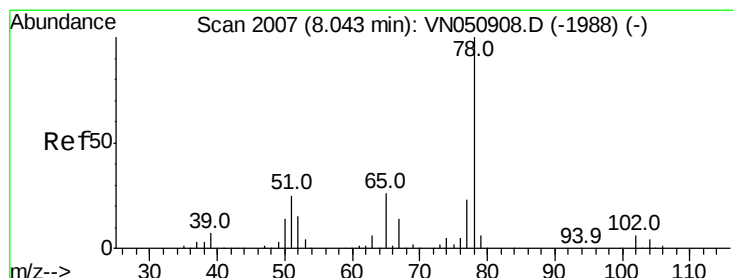
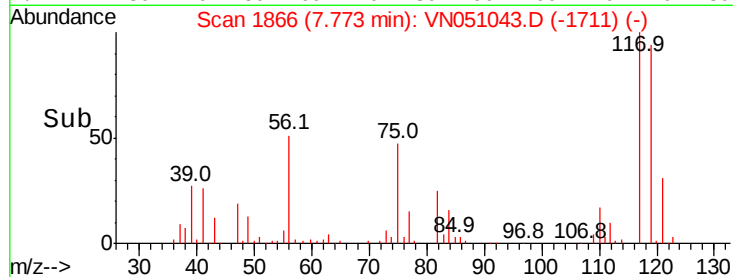
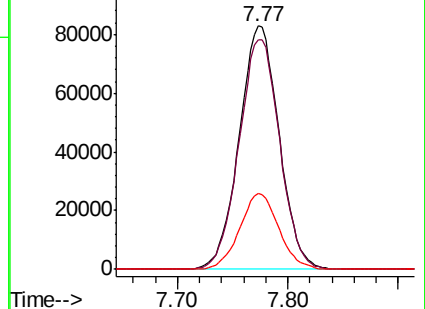
121 31.0 24.6 37.0



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: 18.518 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

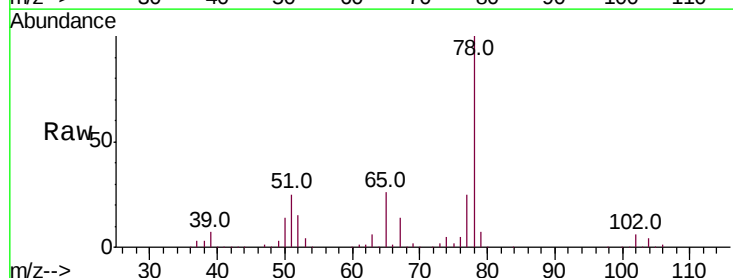
Tgt Ion: 78 Resp: 632476

Ion Ratio Lower Upper

78 100

77 24.6 18.6 28.0

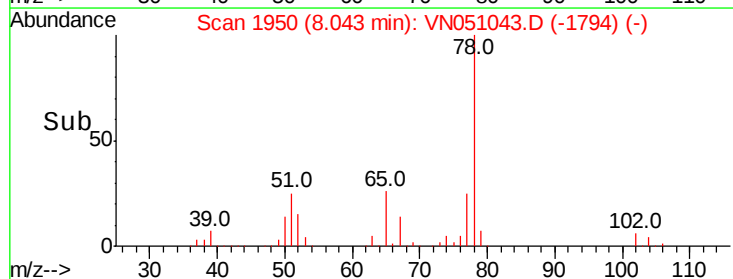
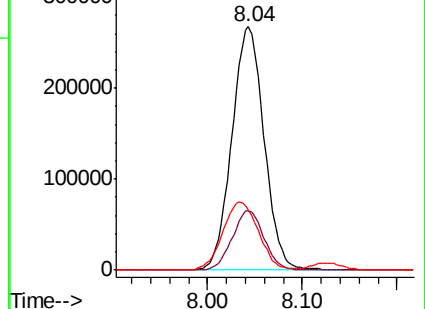
51 24.7 20.0 30.0

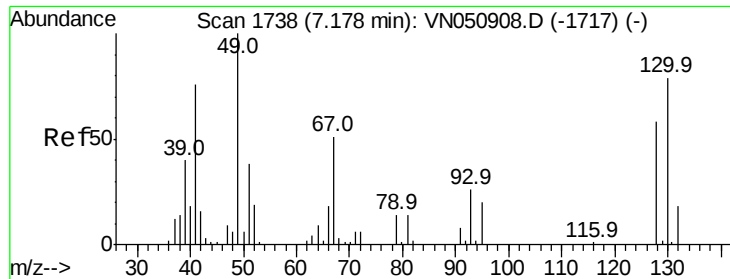


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

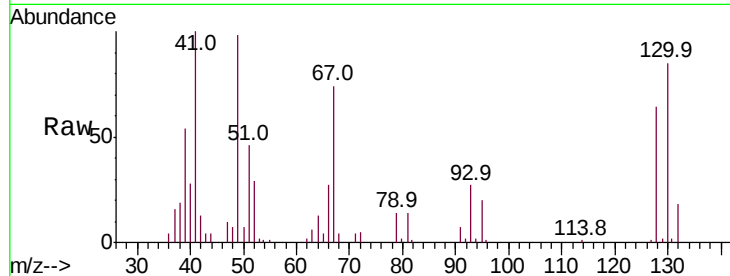




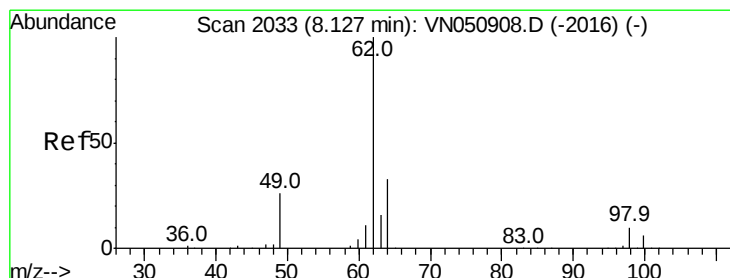
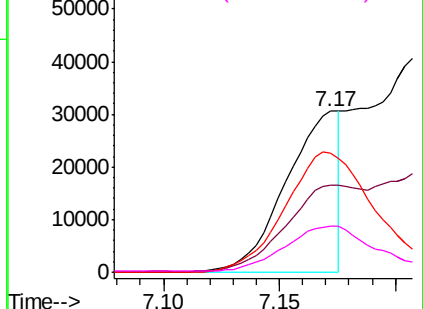
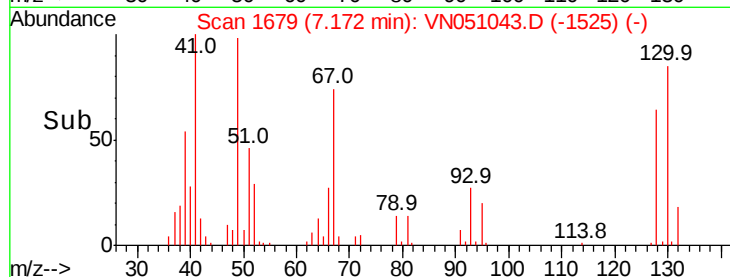
#35
Methacrylonitrile
Concen: 13.082 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampled :
VN0907WBS01

Tot Ion: 41 Resp: 48680
Ion Ratio Lower Upper
41 100
39 54.1 26.2 78.5
67 73.6 33.9 101.6
52 28.0 12.5 37.5

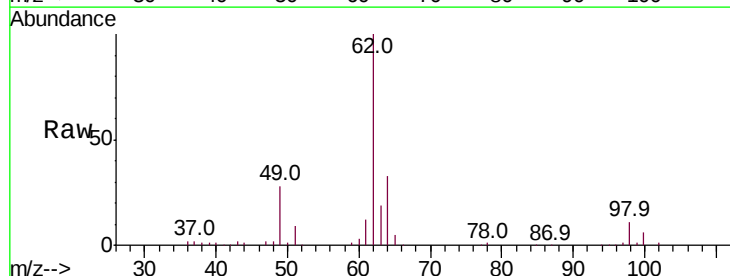


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

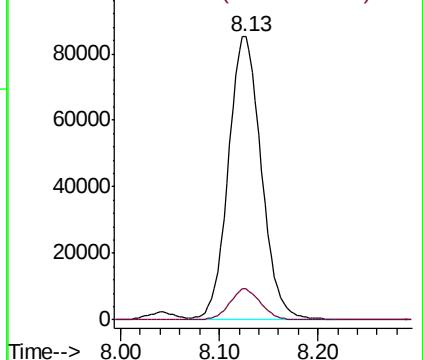
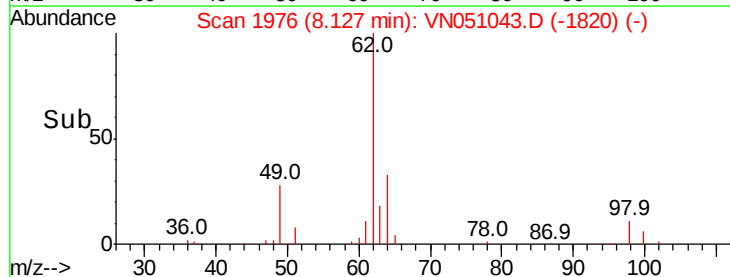


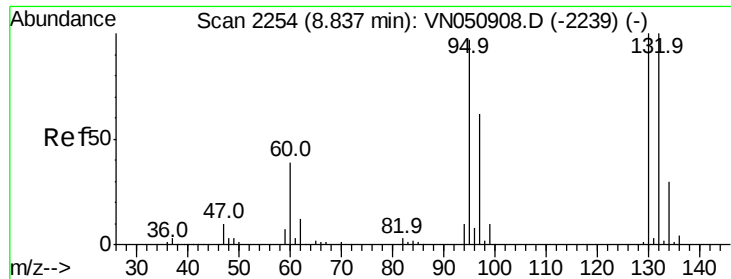
#36
1,2-Dichloroethane
Concen: 19.050 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 62 Resp: 196777
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0



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

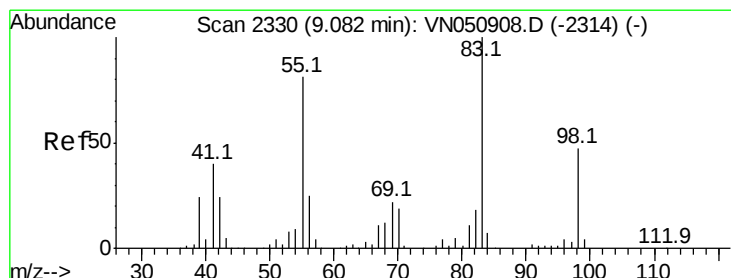
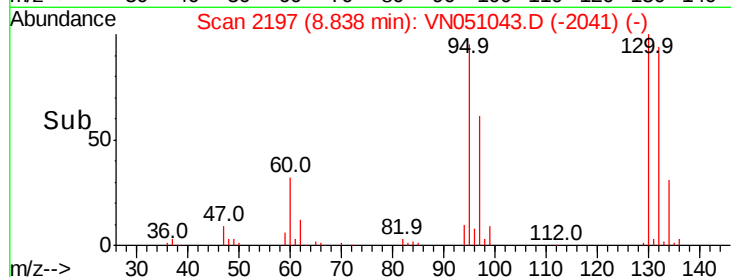
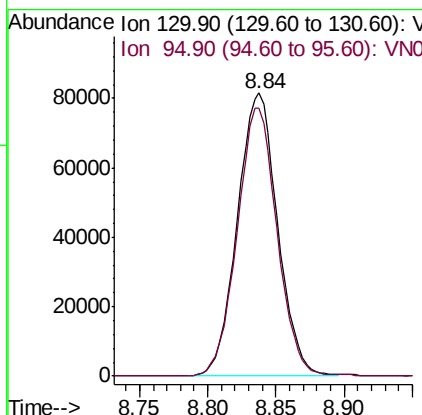
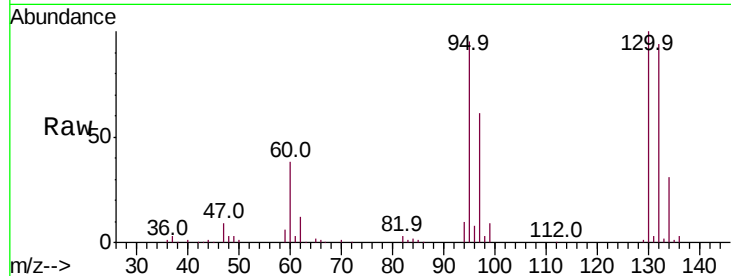




#37
 Trichloroethene
 Concen: 18.707 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

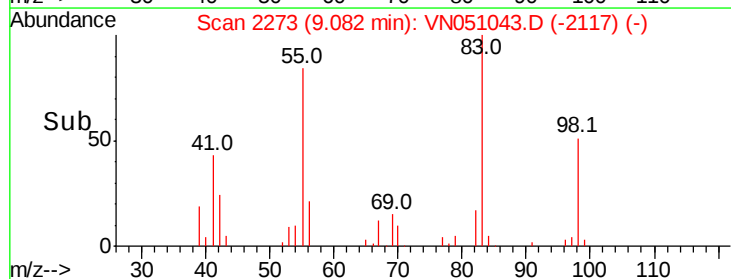
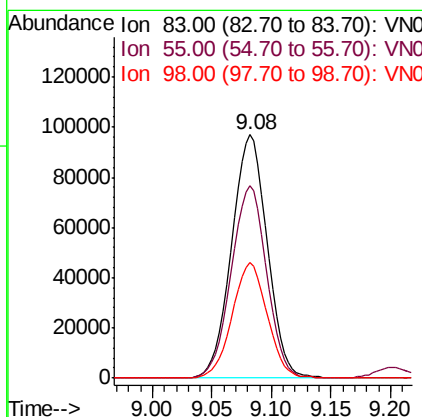
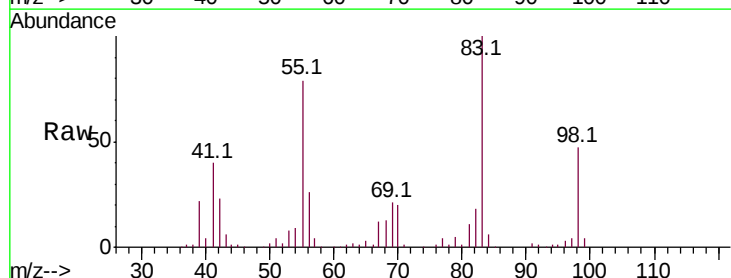
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

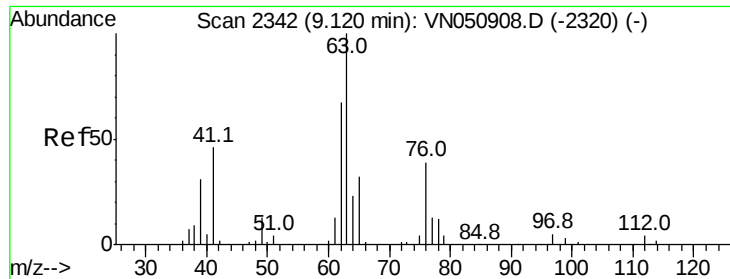
Tot Ion:130 Resp: 166995
 Ion Ratio Lower Upper
 130 100
 95 94.9 77.4 116.0



#38
 Methylcyclohexane
 Concen: 16.971 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 83 Resp: 201239
 Ion Ratio Lower Upper
 83 100
 55 78.8 38.9 116.7
 98 46.7 22.9 68.7





#39

1,2-Dichloropropane

Concen: 18.929 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

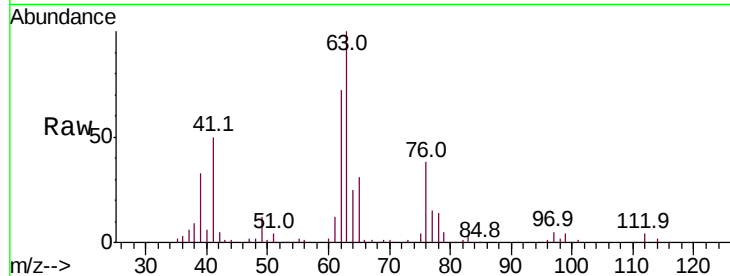
VN0907WBS01

Tot Ion: 63 Resp: 168853

Ion Ratio Lower Upper

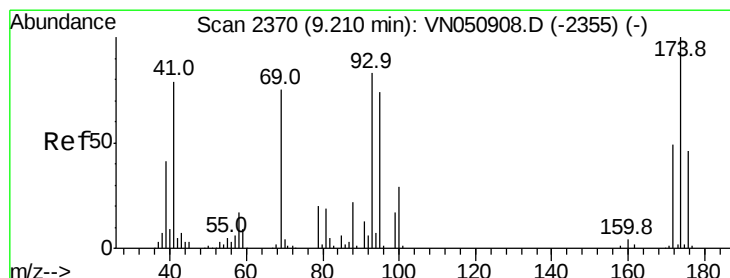
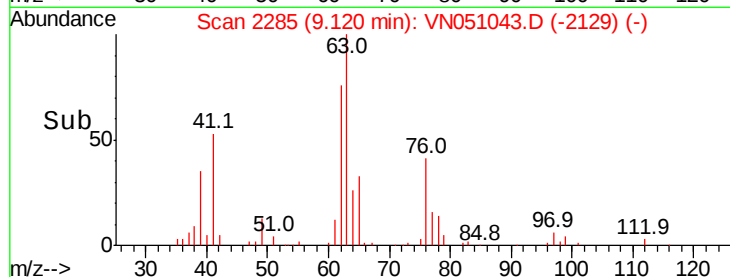
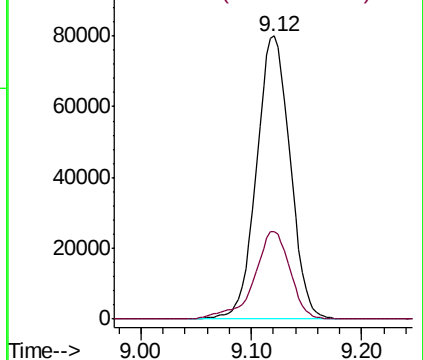
63 100

65 31.0 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: 19.309 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

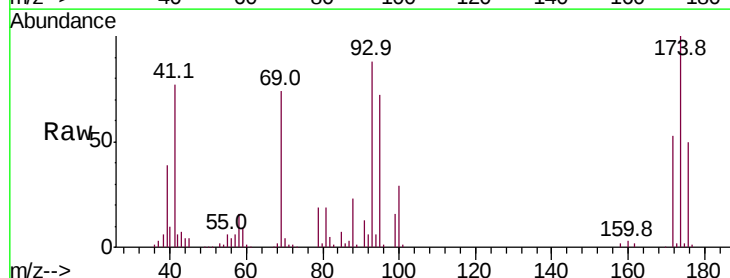
Tgt Ion: 93 Resp: 103754

Ion Ratio Lower Upper

93 100

95 83.2 0.0 173.4

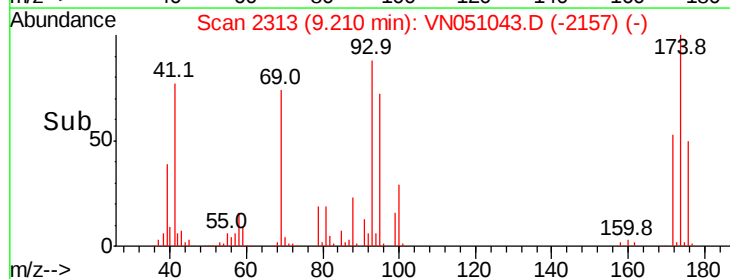
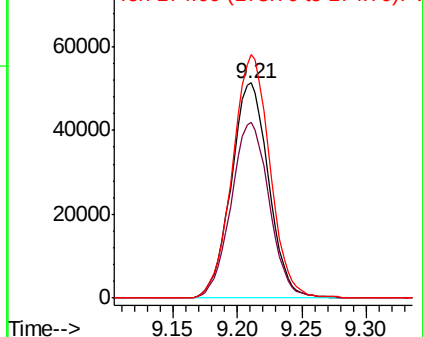
174 113.3 0.0 234.8

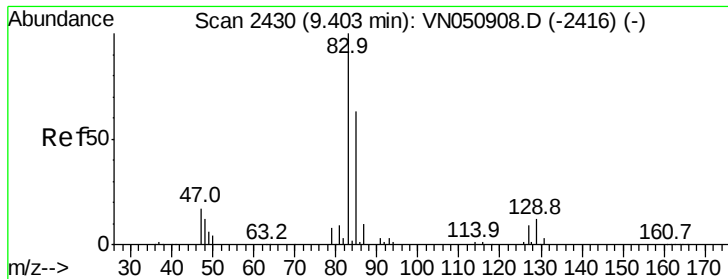


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.843 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

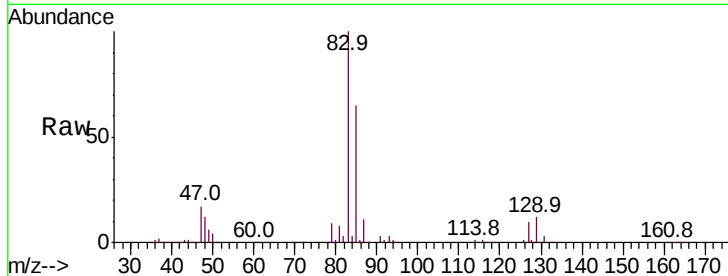
Tot Ion: 83 Resp: 213446

Ion Ratio Lower Upper

83 100

85 65.1 50.6 76.0

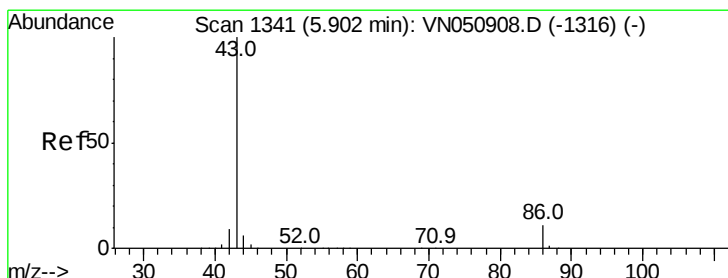
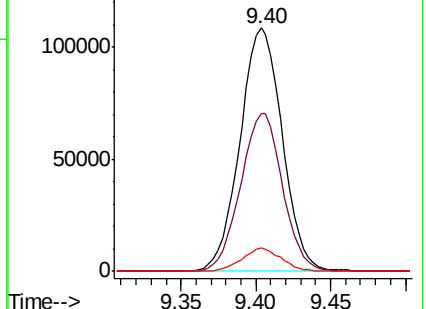
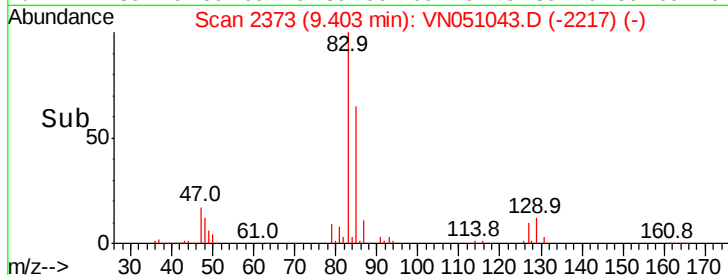
127 9.7 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051043.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051043.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051043.D (-2217) (-)



#42

Vinyl Acetate

Concen: 85.976 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051043.D

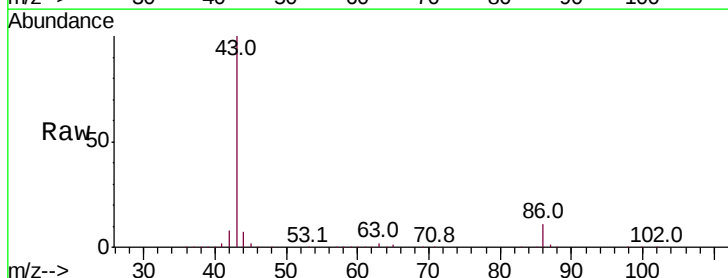
Acq: 7 Sep 2018 9:35

Tgt Ion: 43 Resp: 1345024

Ion Ratio Lower Upper

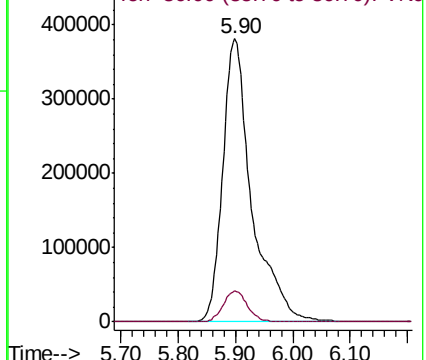
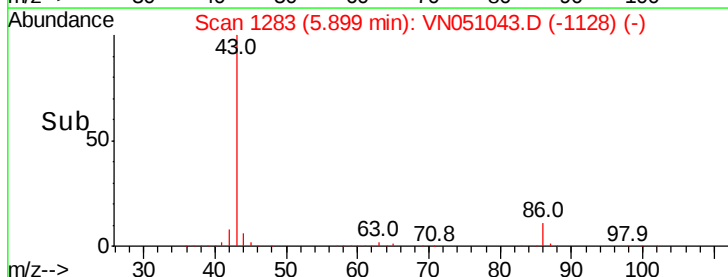
43 100

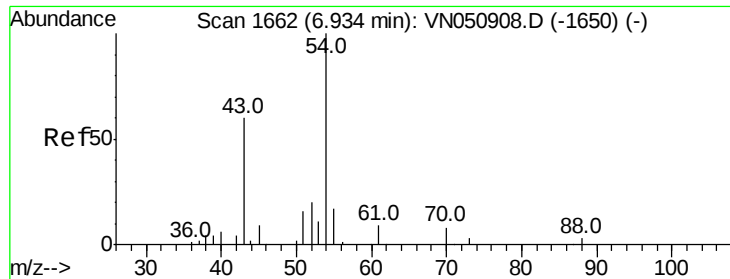
86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051043.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051043.D (-1128) (-)





#43

Ethyl Acetate

Concen: 18.157 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

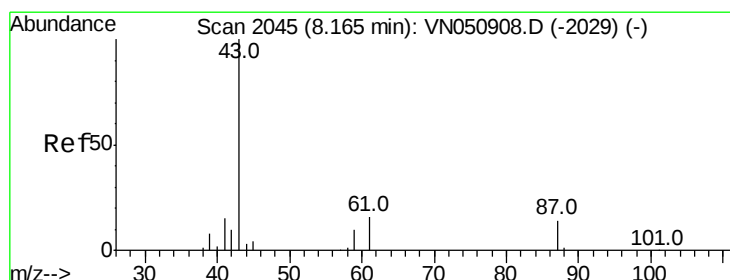
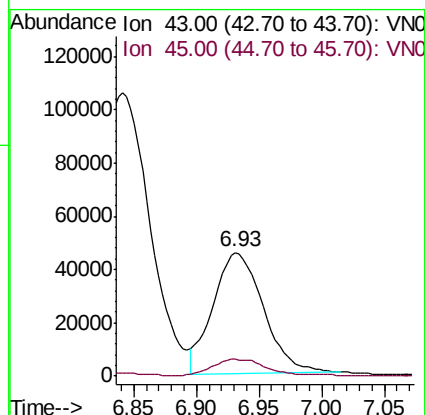
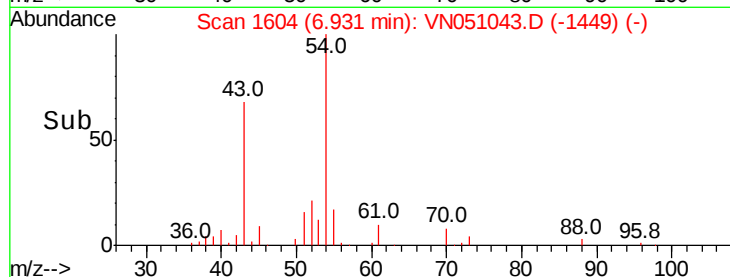
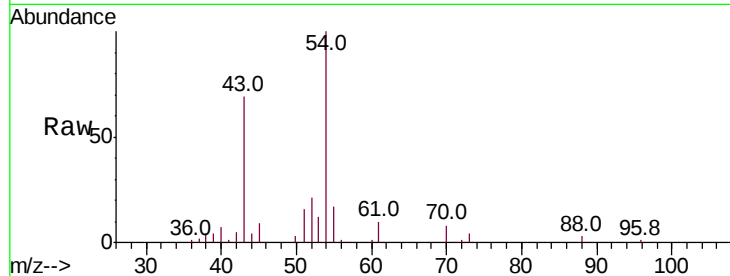
VN0907WBS01

Tot Ion: 43 Resp: 126335

Ion Ratio Lower Upper

43 100

45 13.5 10.2 15.2



#44

Isopropyl Acetate

Concen: 18.655 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051043.D

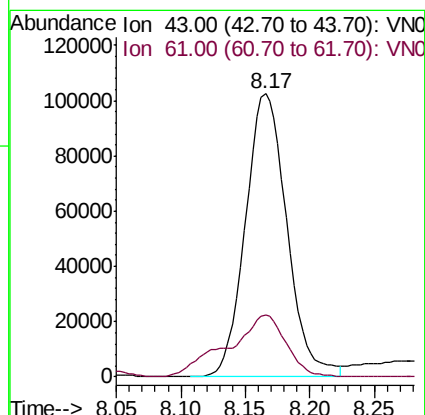
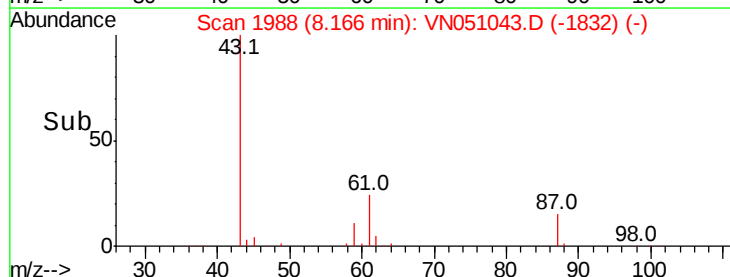
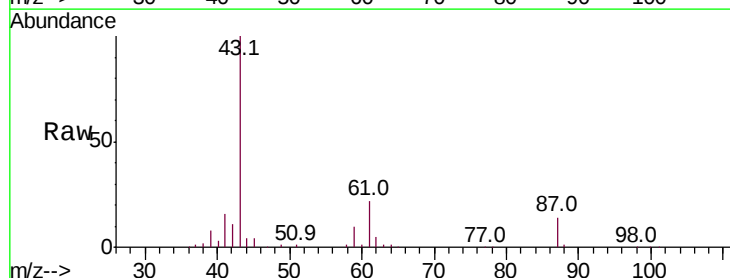
Acq: 7 Sep 2018 9:35

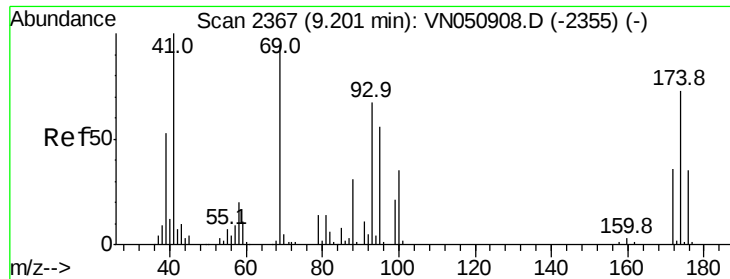
Tgt Ion: 43 Resp: 229045

Ion Ratio Lower Upper

43 100

61 21.6 16.3 24.5





#45

1,4-Dioxane

Concen: 381.063 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

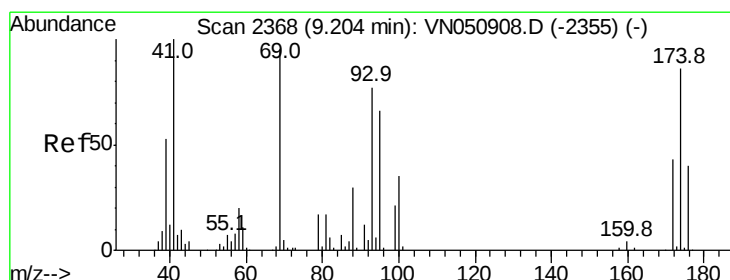
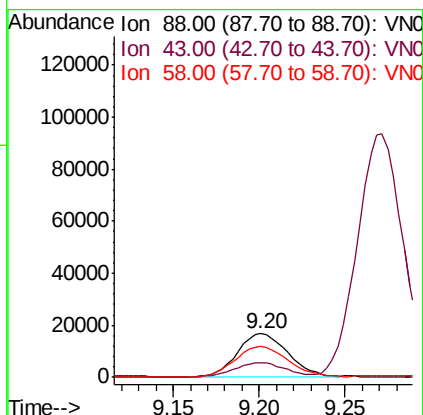
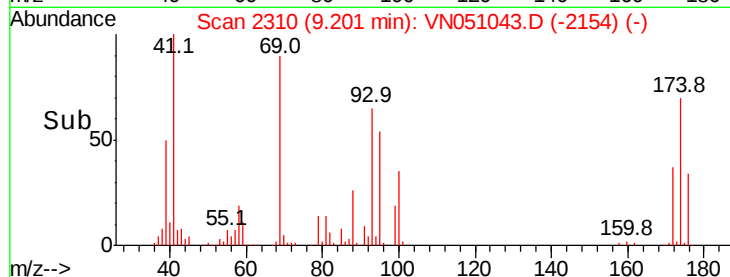
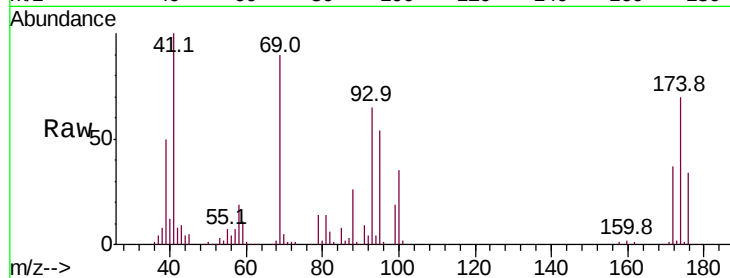
Tot Ion: 88 Resp: 34754

Ion Ratio Lower Upper

88 100

43 31.1 23.5 35.3

58 74.0 55.2 82.8



#46

Methyl methacrylate

Concen: 19.181 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

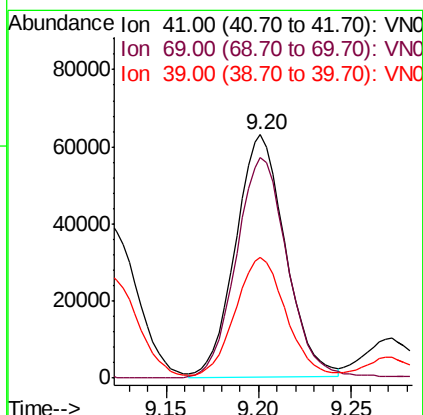
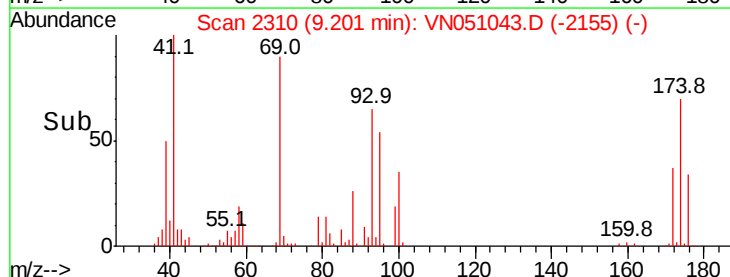
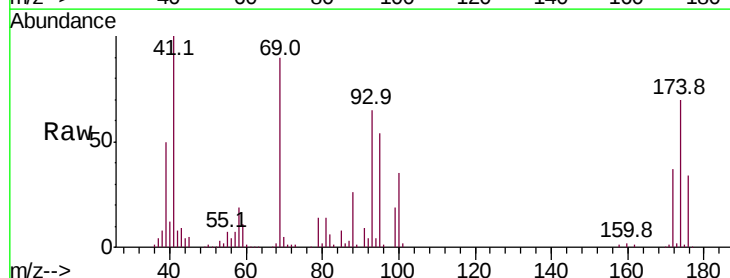
Tgt Ion: 41 Resp: 117943

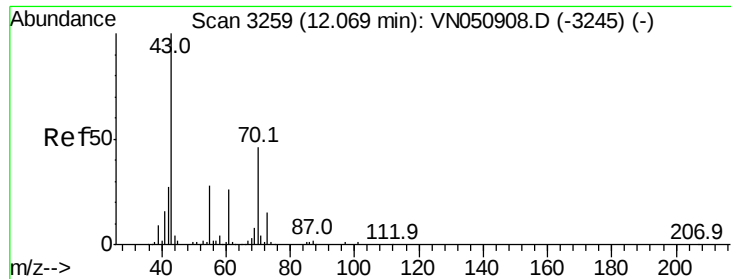
Ion Ratio Lower Upper

41 100

69 91.3 47.4 142.2

39 49.3 26.6 79.7

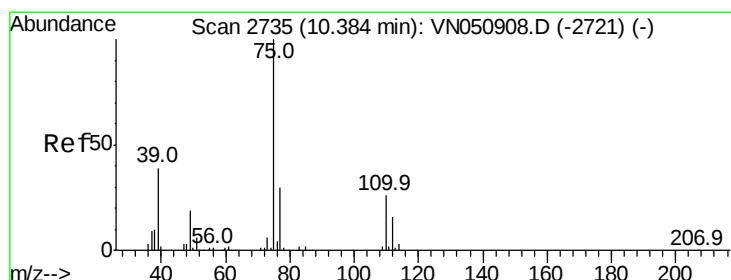
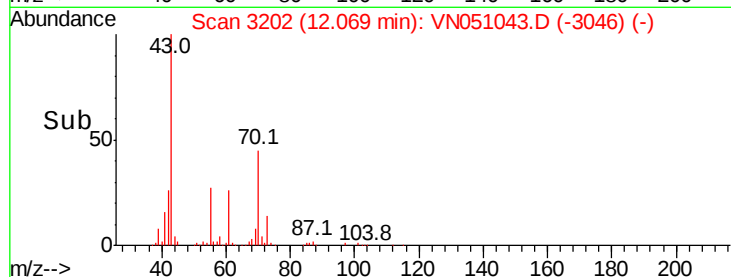
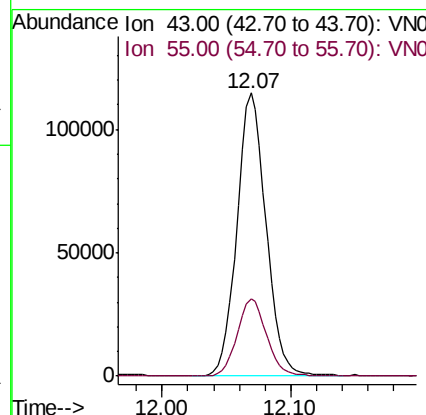
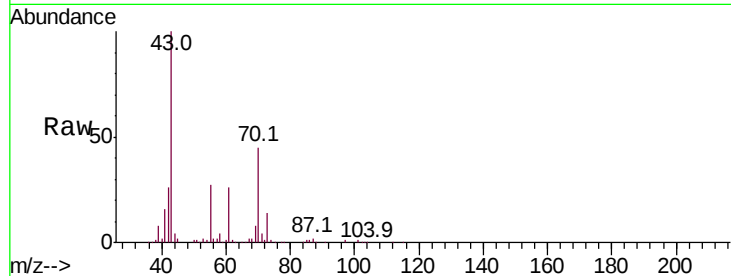




#47
 n-amvl Acetate
 Concen: 18.134 ug/l
 RT: 12.07 min Scan# 3202
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

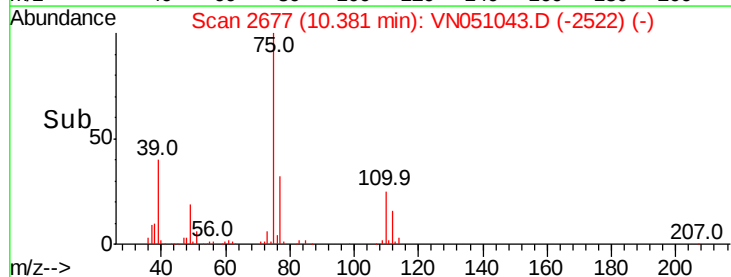
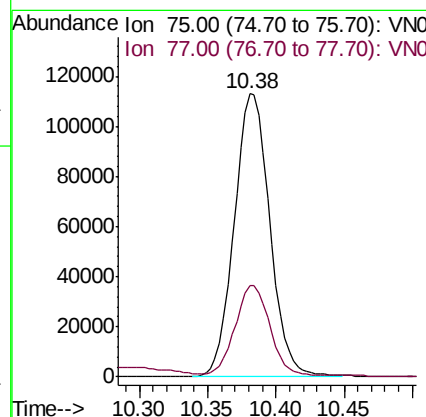
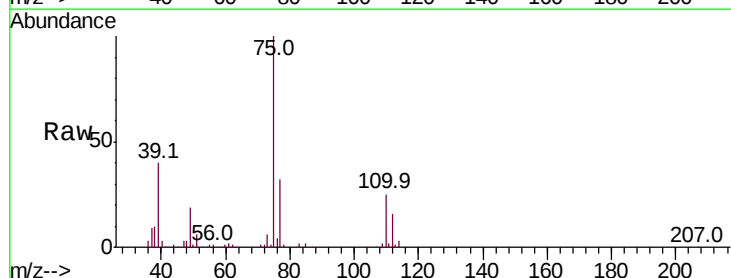
Instrument :
 MSVOA_N
 ClientSampled :
 VN0907WBS01

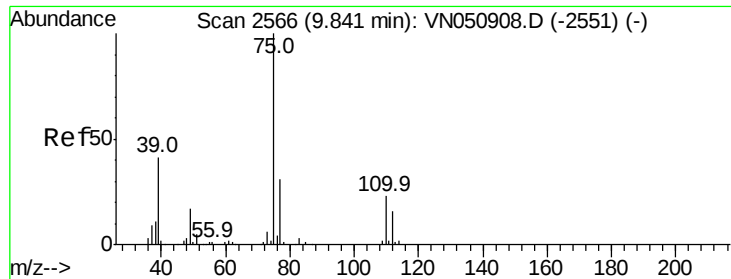
Tot Ion: 43 Resp: 178996
 Ion Ratio Lower Upper
 43 100
 55 27.7 23.0 34.4



#48
 t-1,3-Dichloropropene
 Concen: 18.460 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 75 Resp: 204971
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.8 37.2

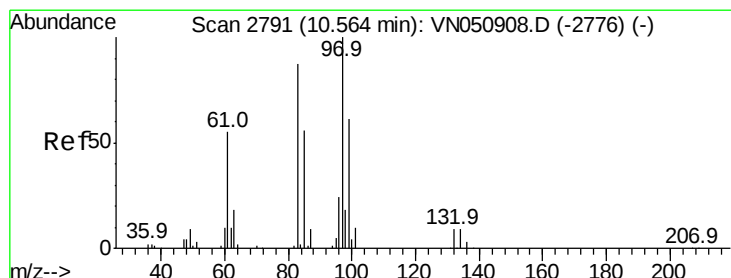
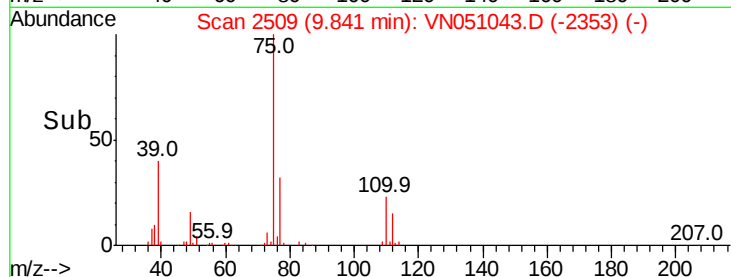
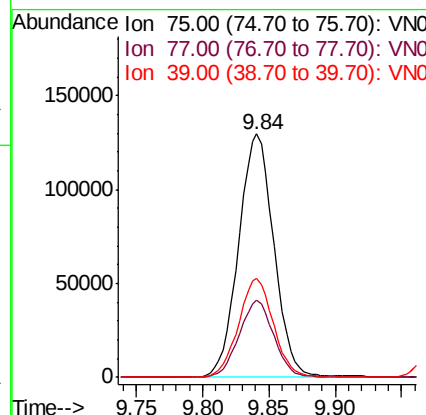
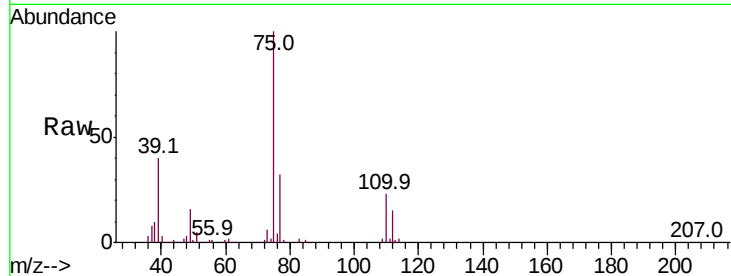




#49
 cis-1,3-Dichloropropene
 Concen: 18.759 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

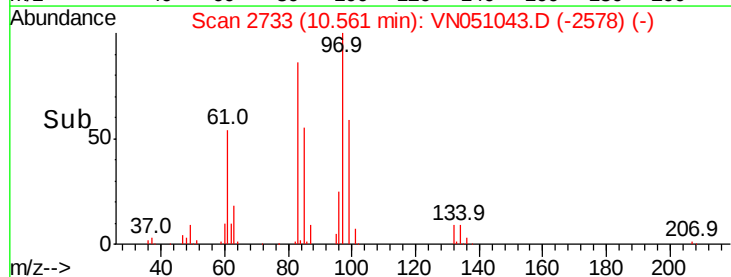
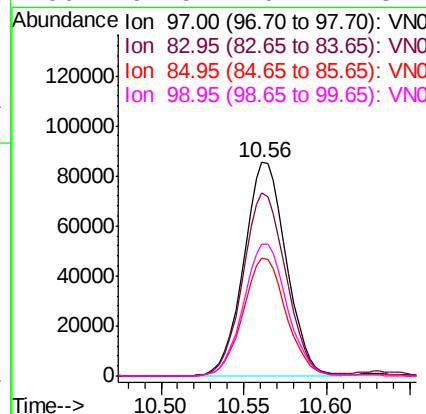
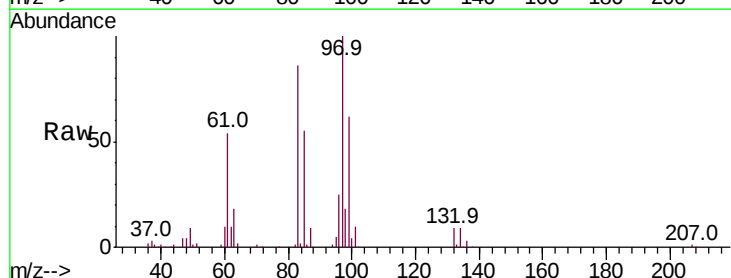
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

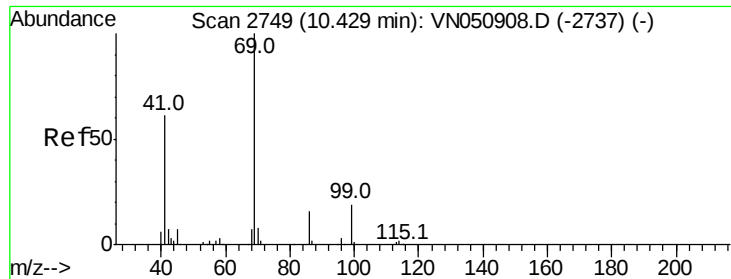
Tot Ion: 75 Resp: 239263
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.4
 39 40.3 32.9 49.3



#50
 1,1,2-Trichloroethane
 Concen: 19.440 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion: 97 Resp: 151777
 Ion Ratio Lower Upper
 97 100
 83 85.6 69.8 104.6
 85 55.0 45.0 67.6
 99 61.5 49.1 73.7





#51

Ethyl methacrylate

Concen: 18.318 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

VN0907WBS01

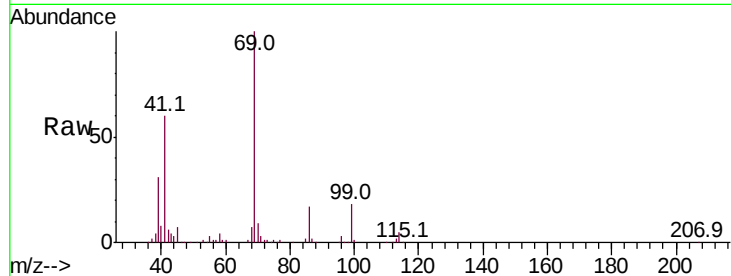
Tot Ion: 69 Resp: 174984

Ion Ratio Lower Upper

69 100

41 59.7 30.5 91.5

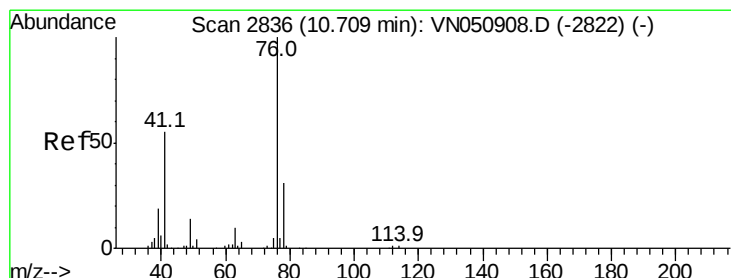
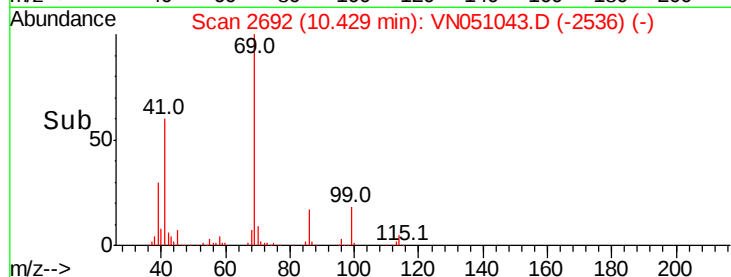
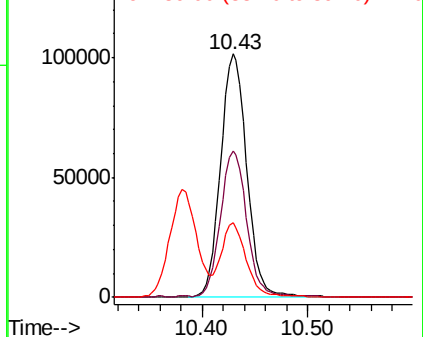
39 30.4 15.3 45.8



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: 19.294 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051043.D

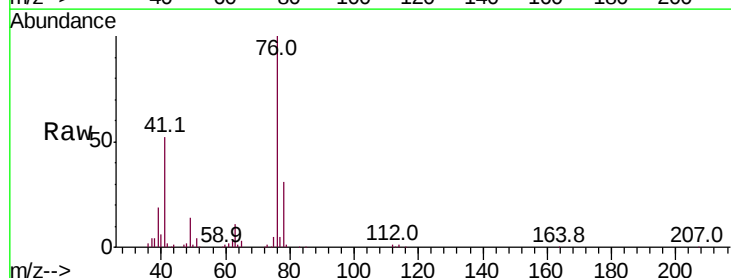
Acq: 7 Sep 2018 9:35

Tgt Ion: 76 Resp: 249520

Ion Ratio Lower Upper

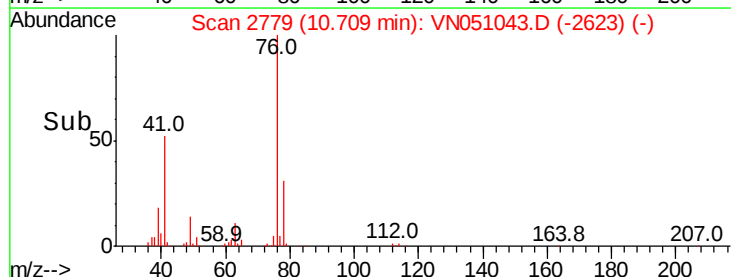
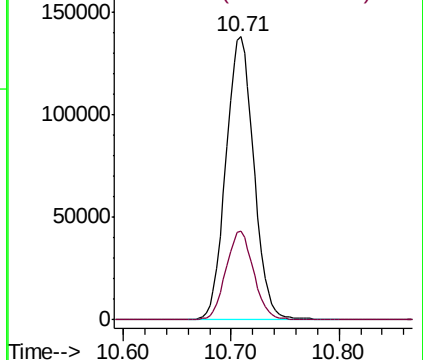
76 100

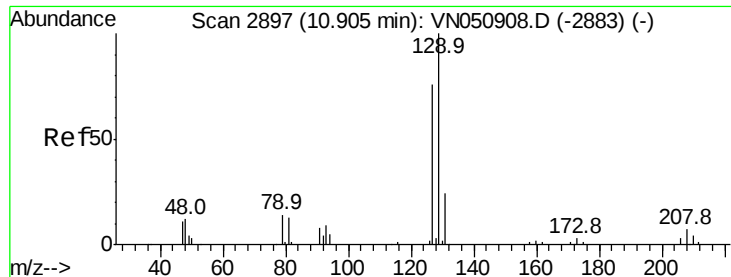
78 30.9 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.987 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

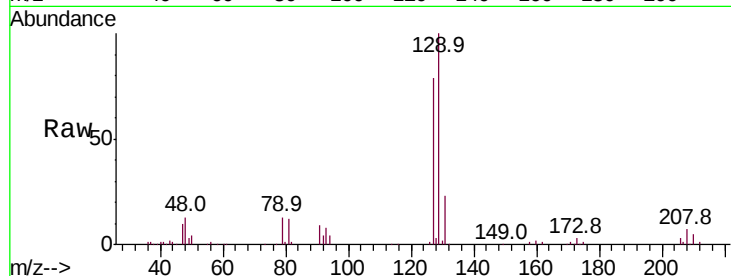
VN0907WBS01

Tot Ion:129 Resp: 168563

Ion Ratio Lower Upper

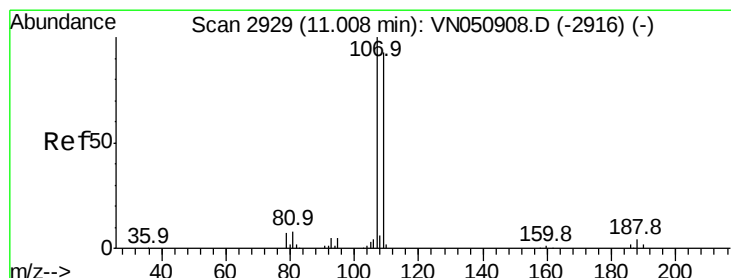
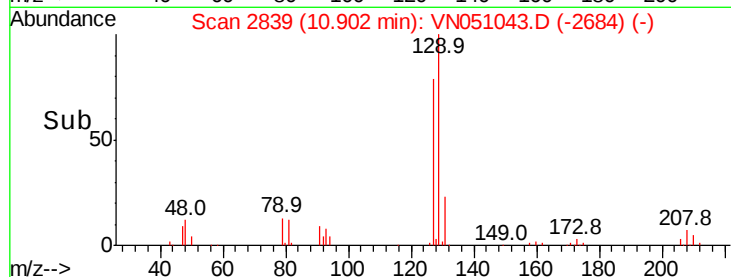
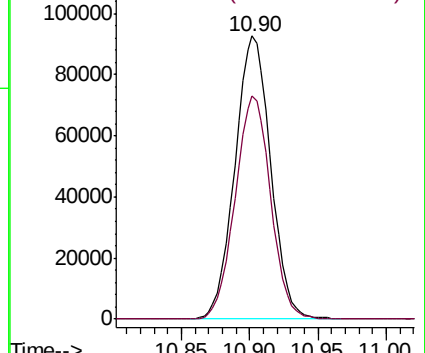
129 100

127 78.1 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.714 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051043.D

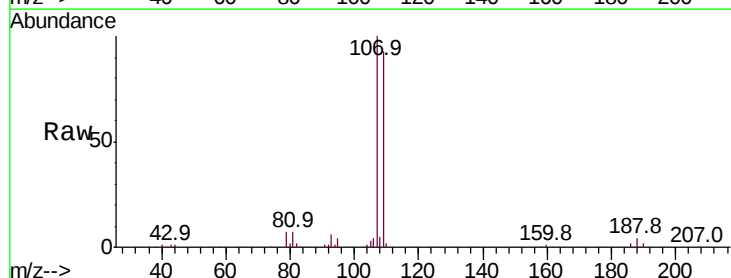
Acq: 7 Sep 2018 9:35

Tgt Ion:107 Resp: 144471

Ion Ratio Lower Upper

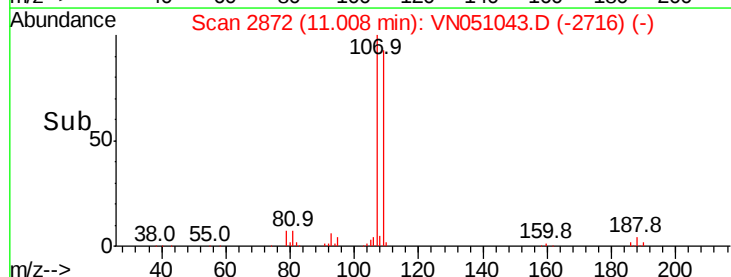
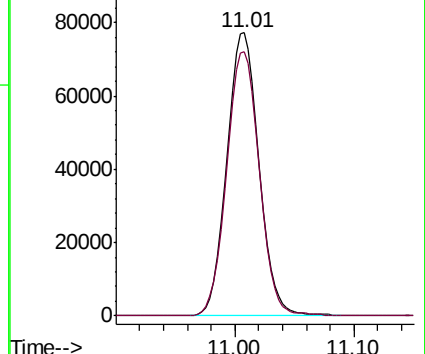
107 100

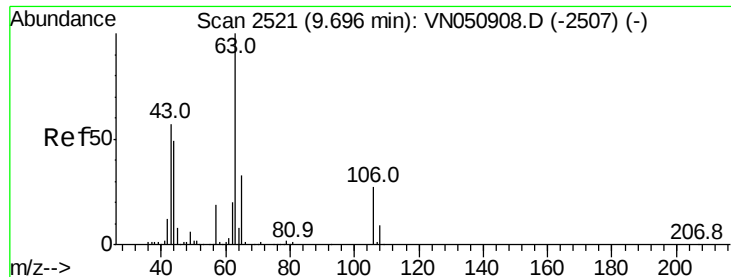
109 95.0 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 78.937 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

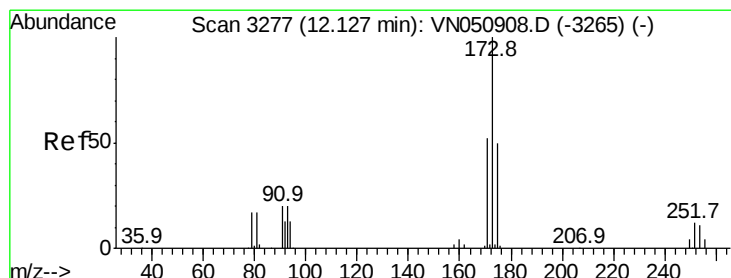
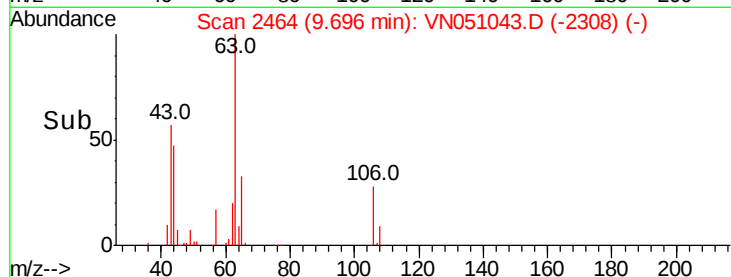
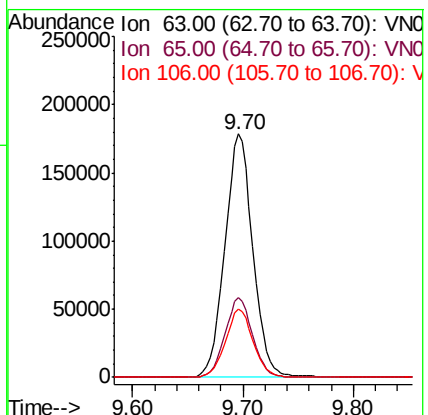
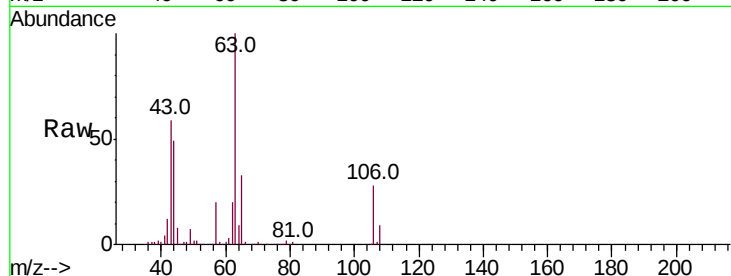
Tot Ion: 63 Resp: 313752

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.2

106 27.8 22.0 33.0



#56

Bromoform

Concen: 19.380 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

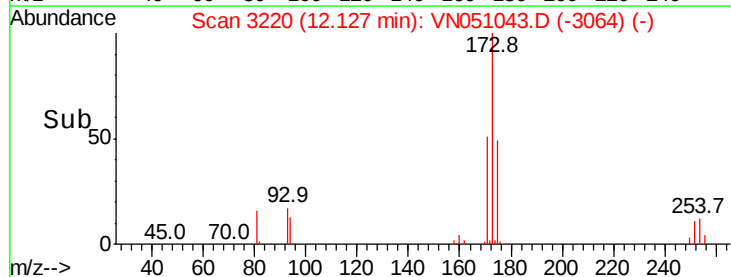
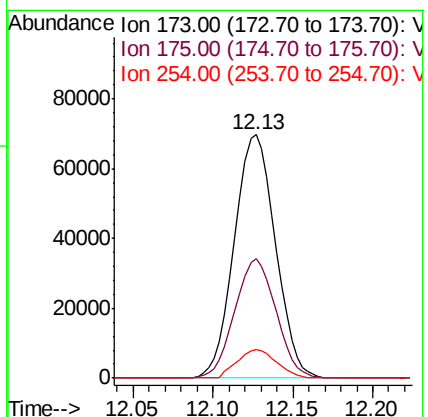
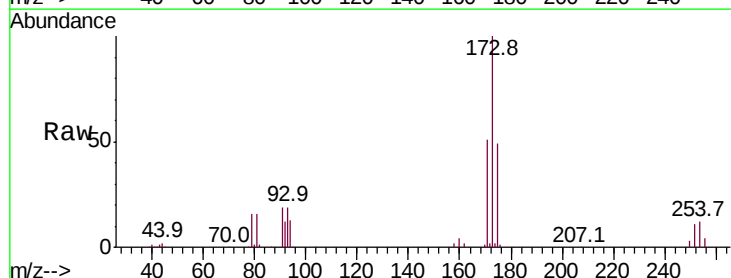
Tgt Ion: 173 Resp: 122368

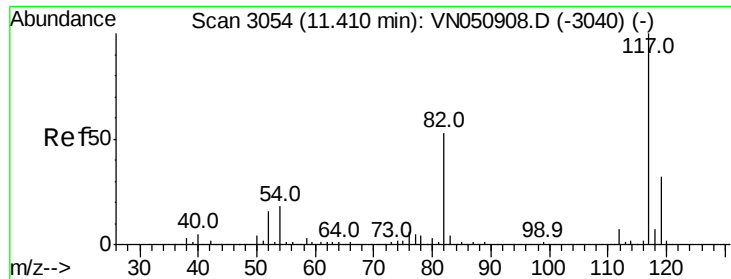
Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

254 11.2 9.0 13.6

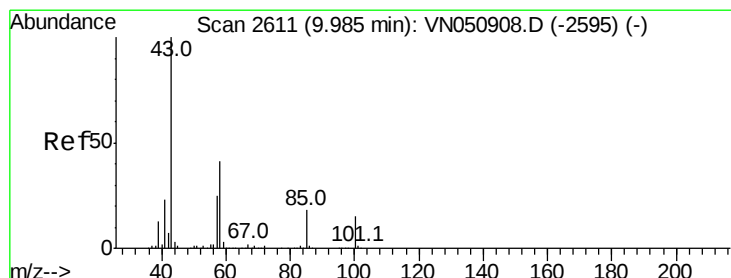
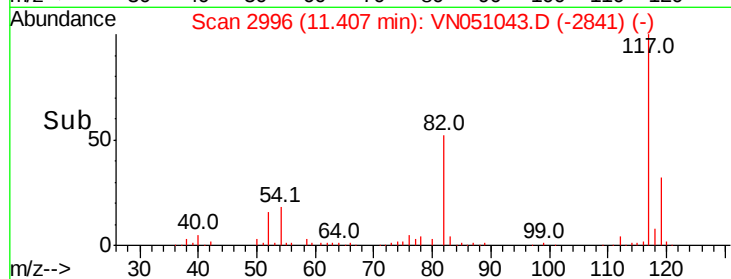
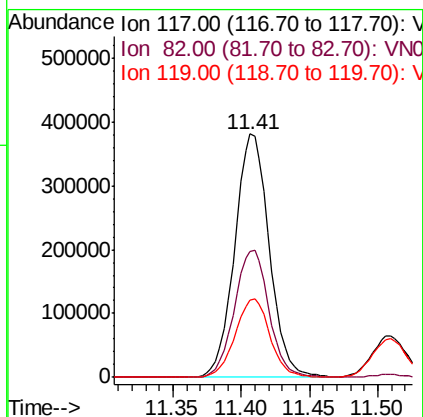
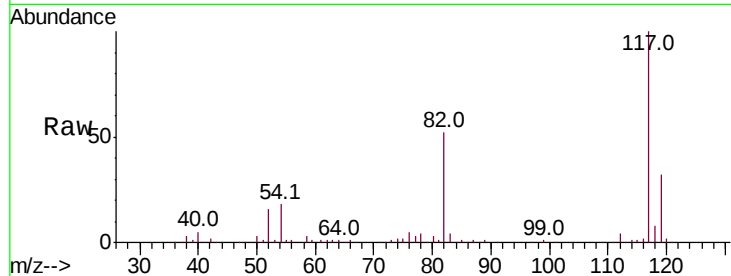




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

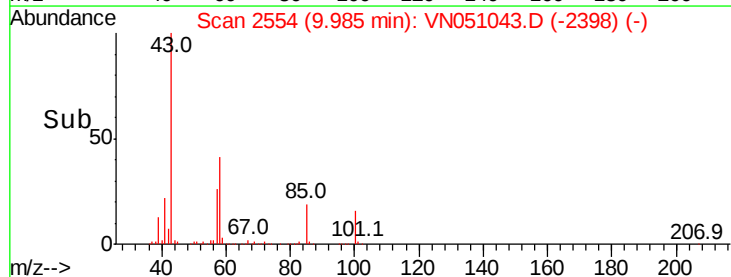
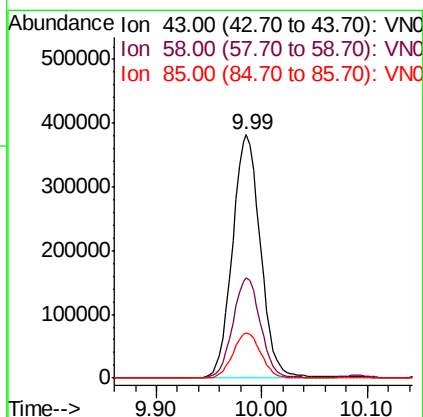
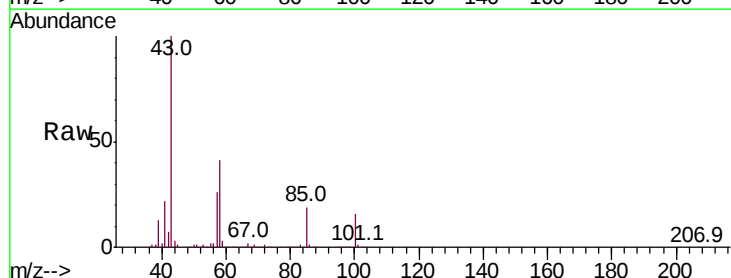
Instrument :
MSVOA_N
ClientSampled :
VN0907WBS01

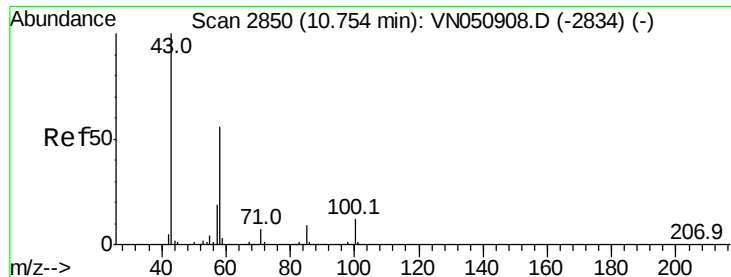
Tot Ion:117 Resp: 669587
Ion Ratio Lower Upper
117 100
82 52.4 42.6 64.0
119 32.3 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 91.378 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 43 Resp: 700063
Ion Ratio Lower Upper
43 100
58 41.0 32.3 48.5
85 18.8 14.9 22.3

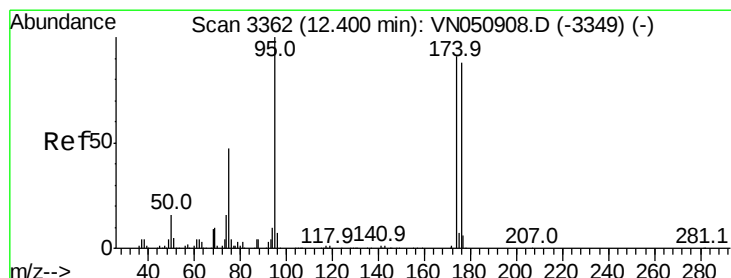
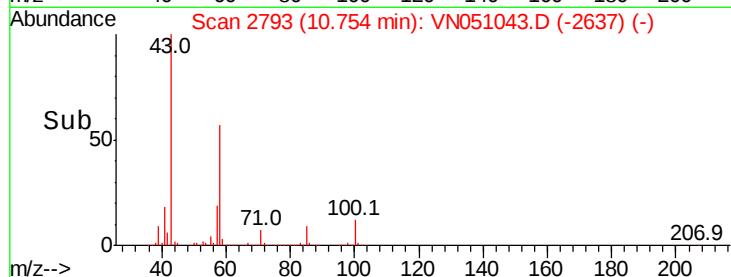
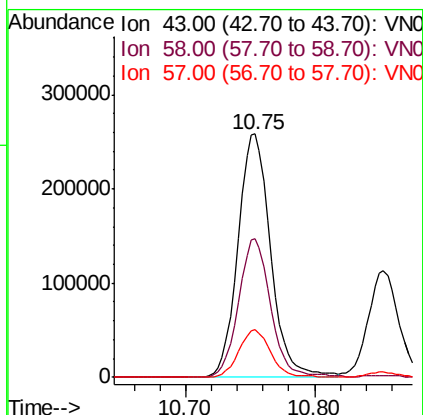
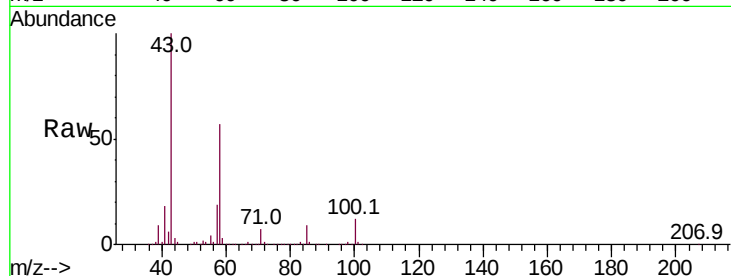




#59
2-Hexanone
Concen: 90.657 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

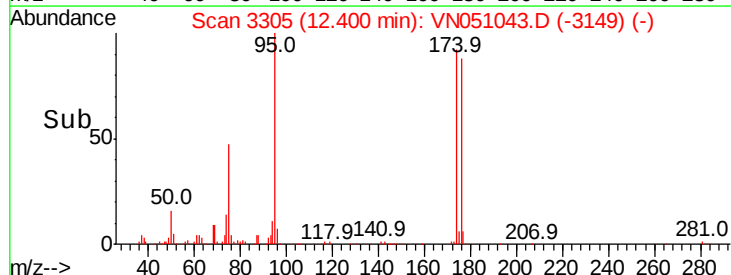
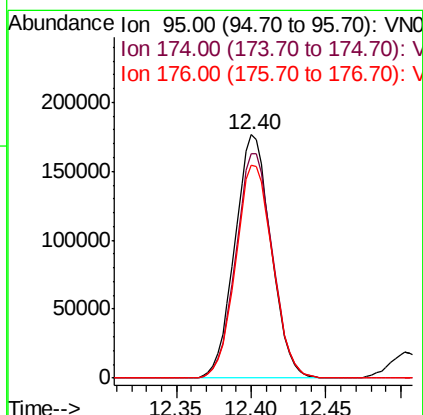
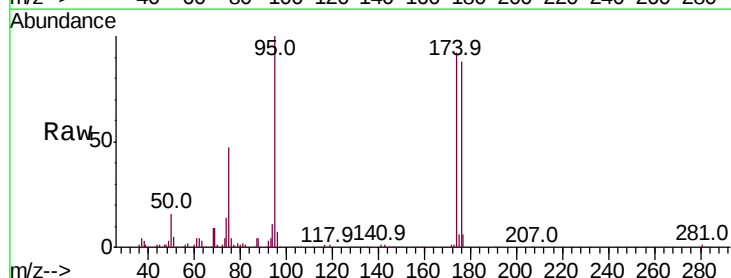
Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

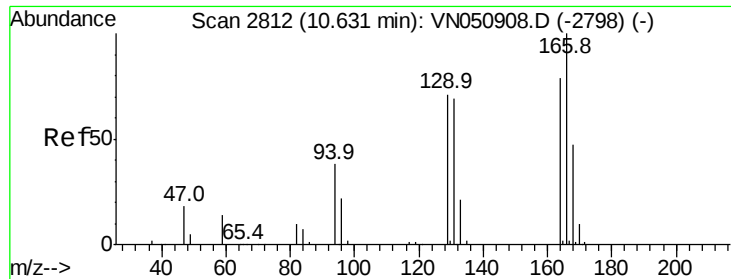
Tot Ion: 43 Resp: 453978
Ion Ratio Lower Upper
43 100
58 56.3 45.5 68.3
57 19.3 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.834 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 95 Resp: 297055
Ion Ratio Lower Upper
95 100
174 93.7 74.6 112.0
176 89.7 71.5 107.3

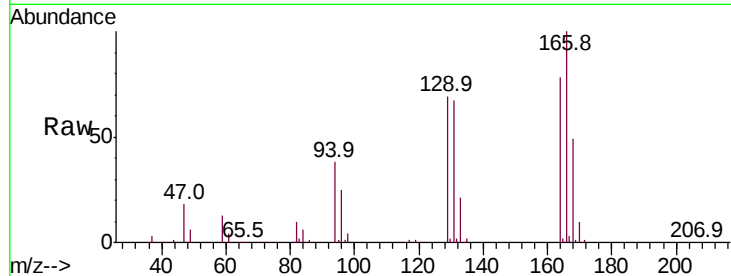




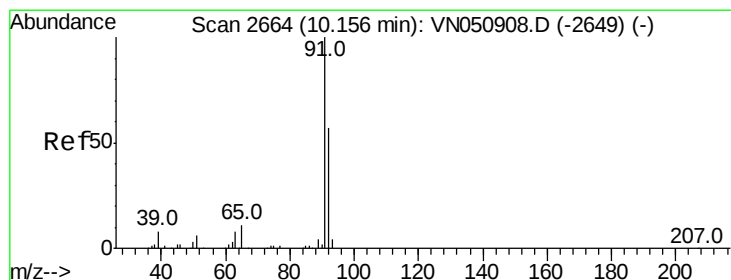
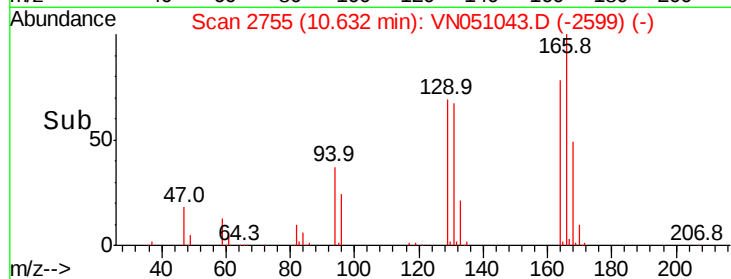
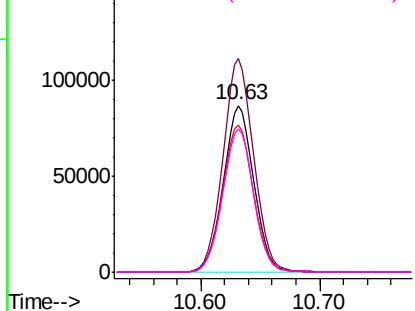
#61
Tetrachloroethene
Concen: 18.406 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion:164 Resp: 153575
Ion Ratio Lower Upper
164 100
166 128.2 100.6 151.0
129 88.5 71.0 106.6
131 86.3 69.3 103.9

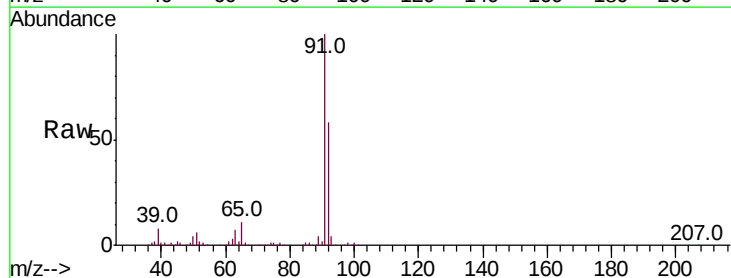


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

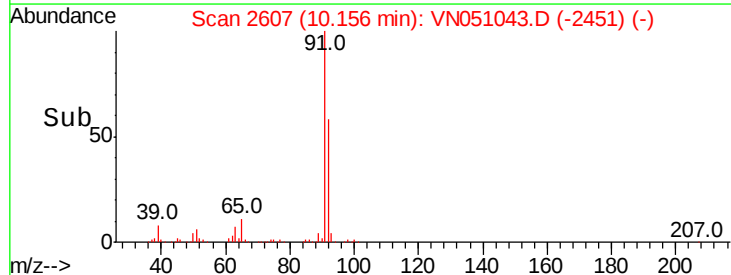
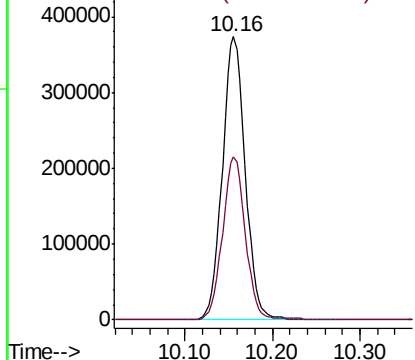


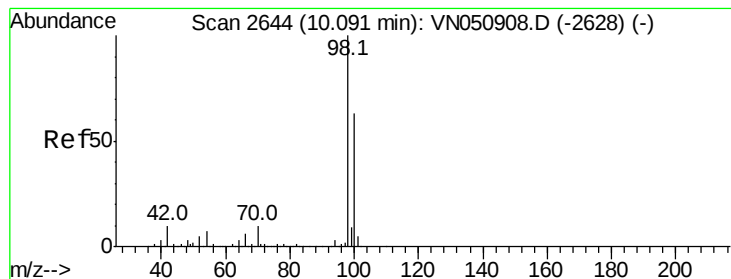
#62
Toluene
Concen: 18.190 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 91 Resp: 679501
Ion Ratio Lower Upper
91 100
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.169 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampled :

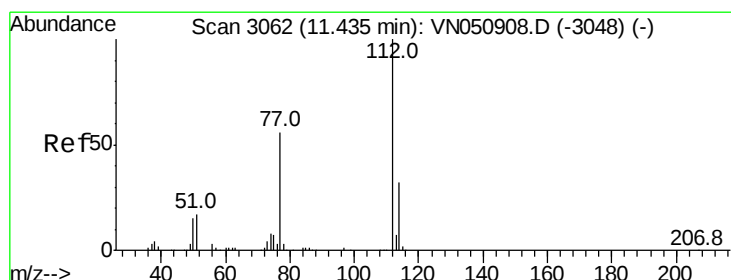
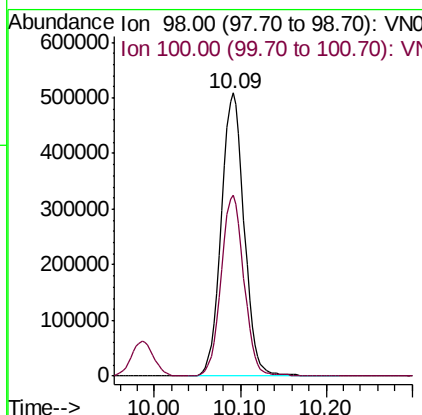
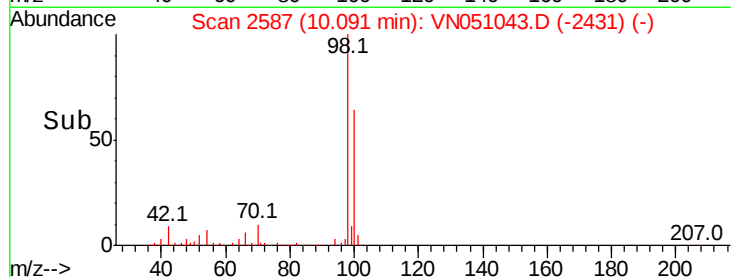
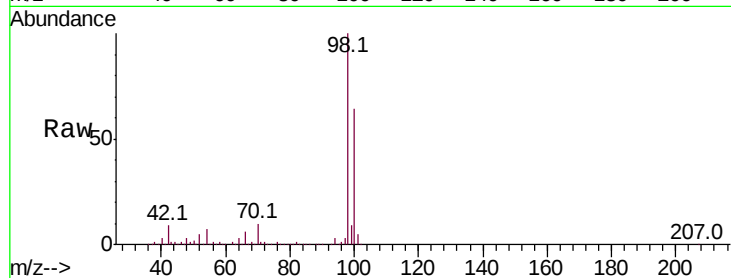
VN0907WBS01

Tot Ion: 98 Resp: 942024

Ion Ratio Lower Upper

98 100

100 63.4 50.6 75.8



#64

Chlorobenzene

Concen: 18.467 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051043.D

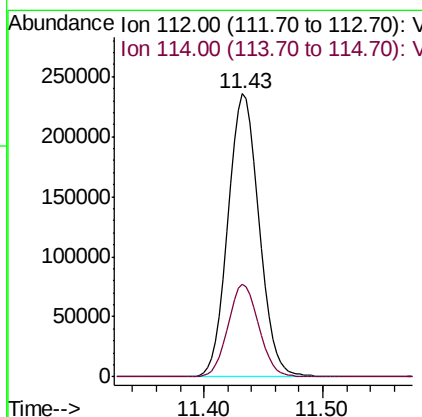
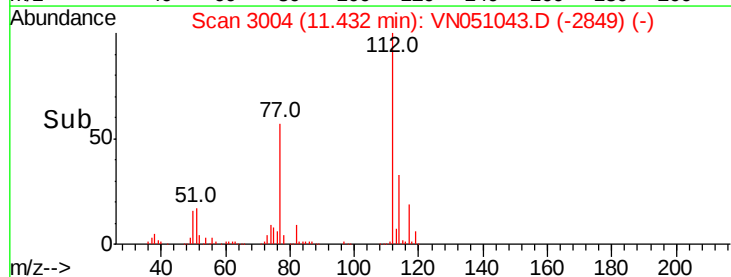
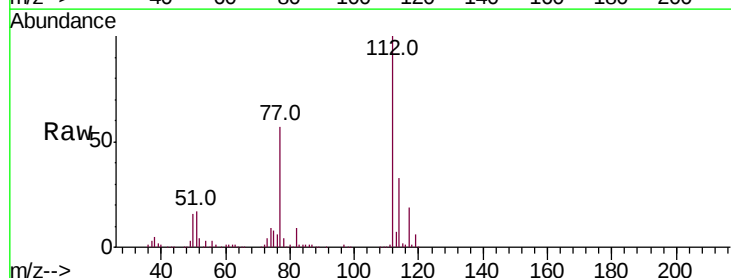
Acq: 7 Sep 2018 9:35

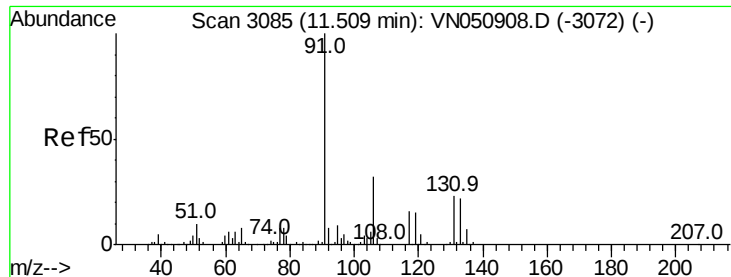
Tgt Ion: 112 Resp: 427554

Ion Ratio Lower Upper

112 100

114 32.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.728 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

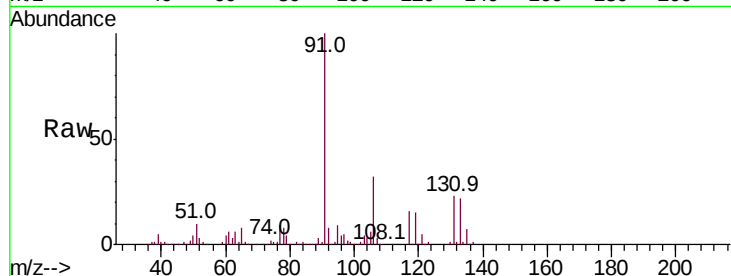
Tot Ion:131 Resp: 163705

Ion Ratio Lower Upper

131 100

133 95.7 0.0 189.4

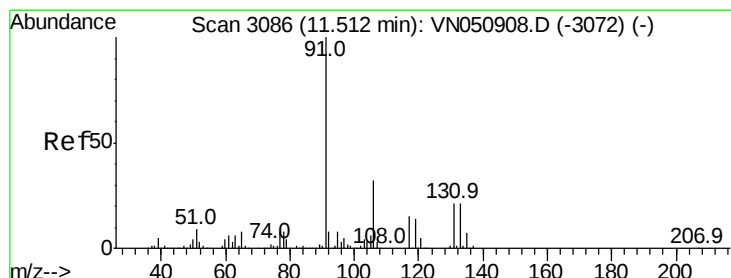
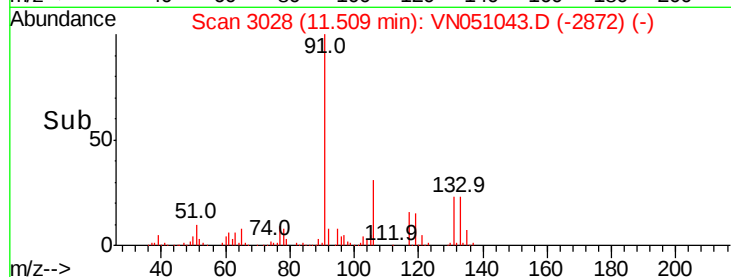
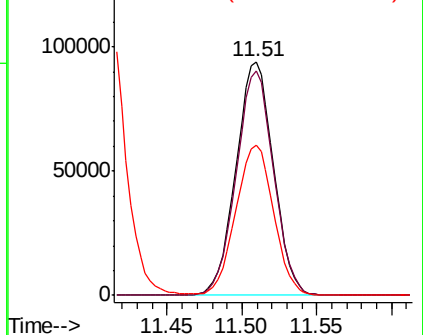
119 65.2 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.689 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051043.D

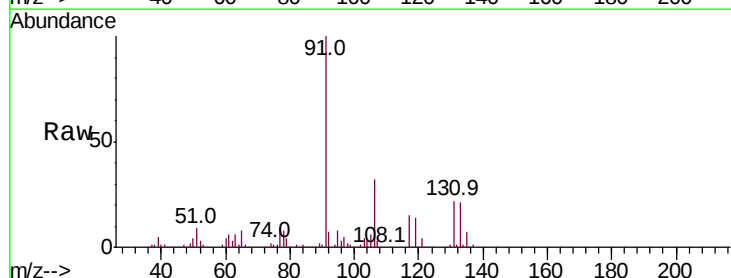
Acq: 7 Sep 2018 9:35

Tgt Ion: 91 Resp: 684478

Ion Ratio Lower Upper

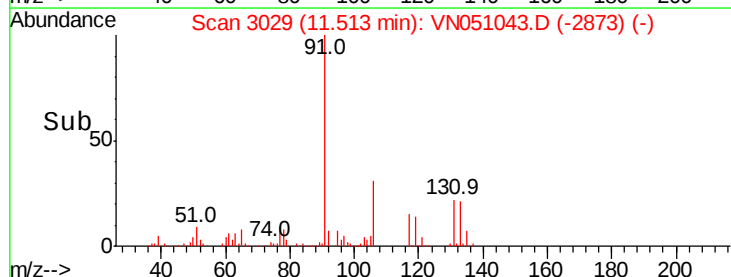
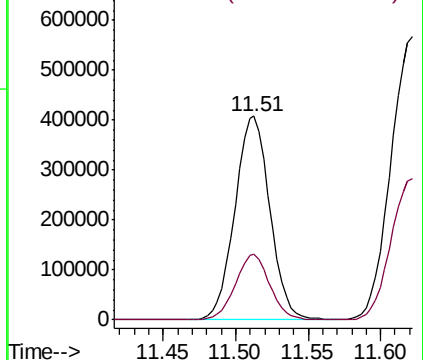
91 100

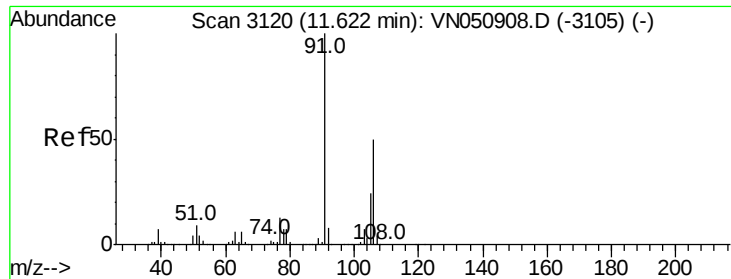
106 32.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

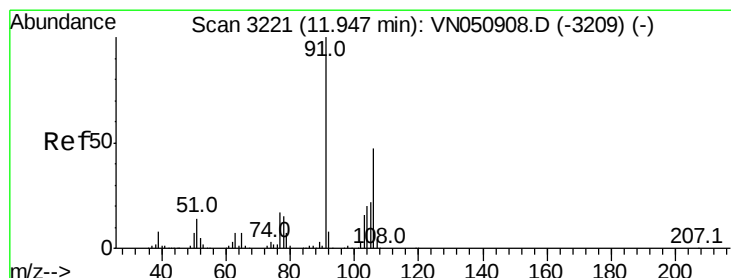
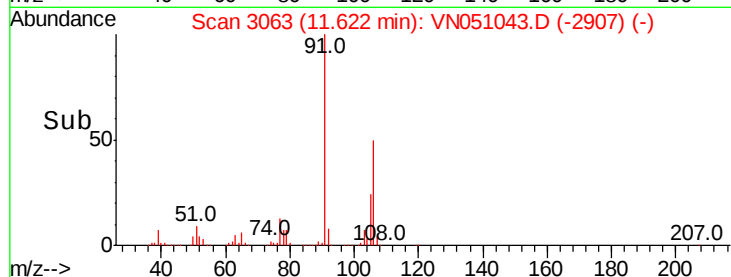
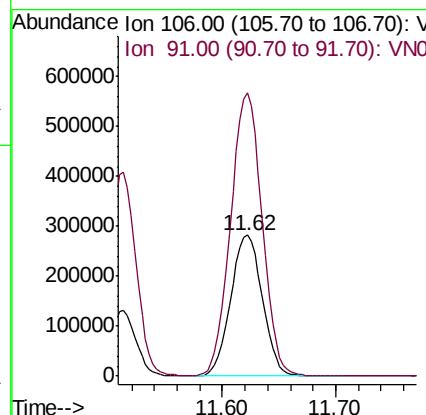
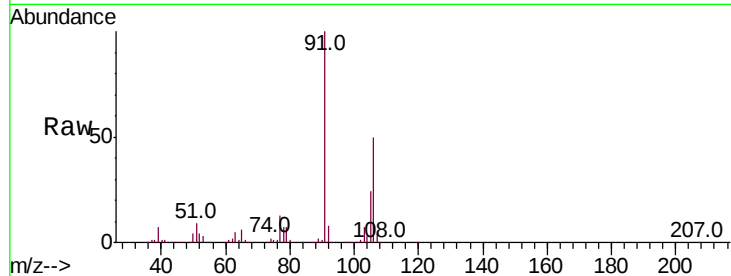




#67
m/p-Xylenes
Concen: 37.020 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

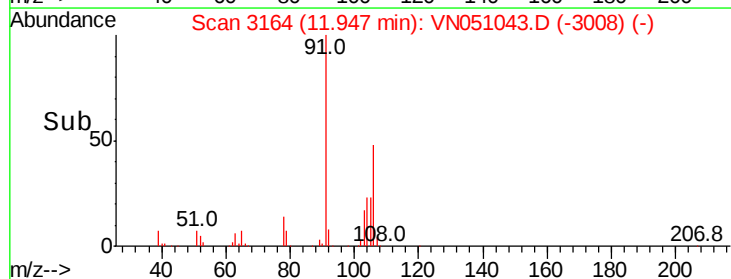
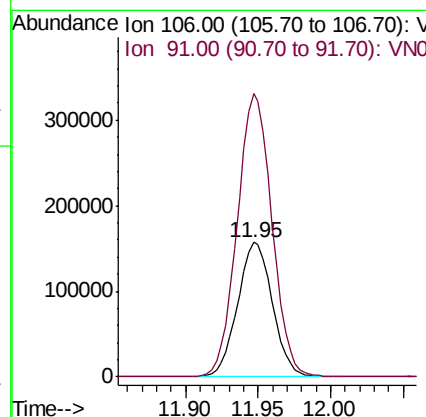
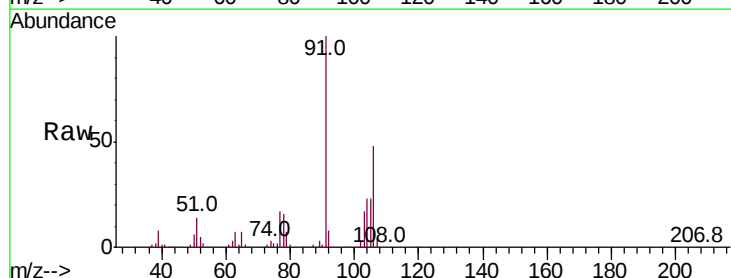
Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

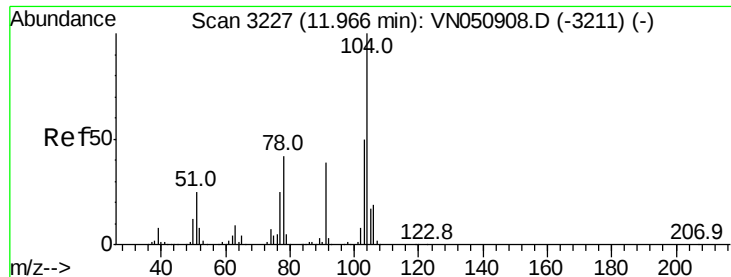
Tot Ion:106 Resp: 551141
Ion Ratio Lower Upper
106 100
91 199.6 160.6 241.0



#68
o-Xylene
Concen: 18.411 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion:106 Resp: 261911
Ion Ratio Lower Upper
106 100
91 210.0 106.4 319.2

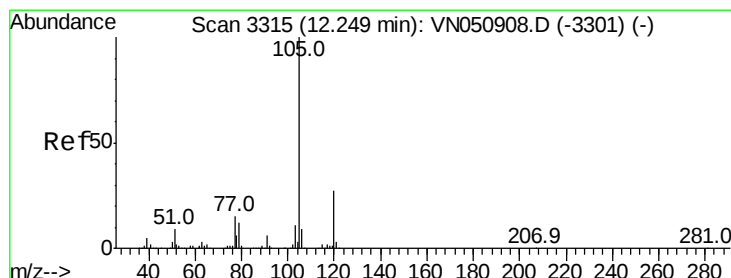
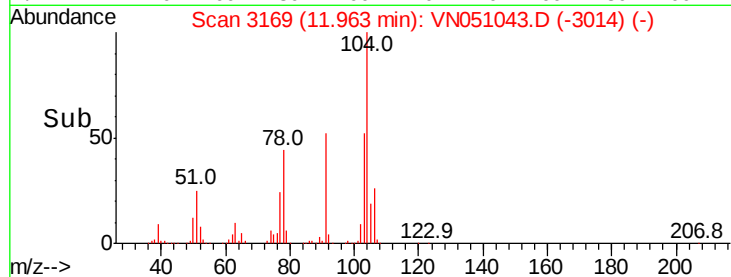
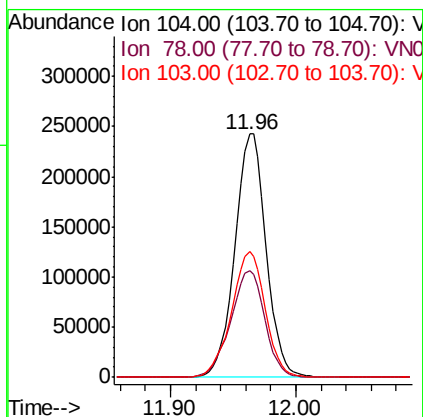
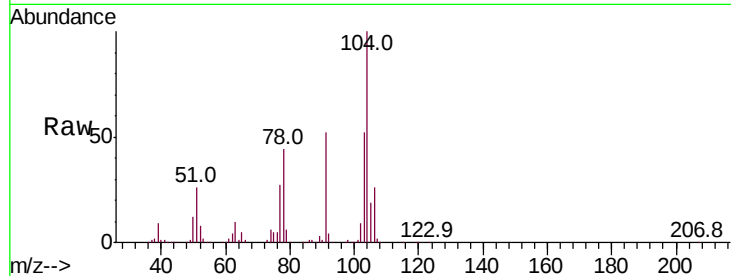




#69
Stvrene
Concen: 18.510 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

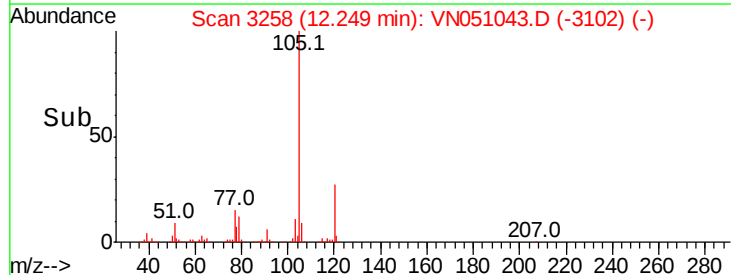
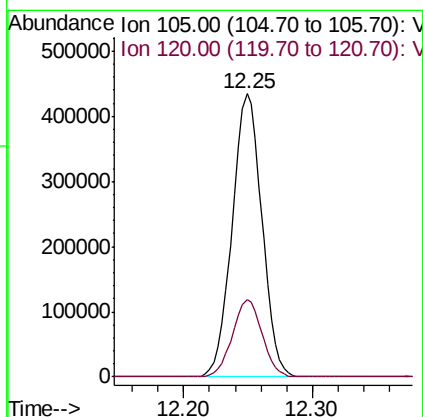
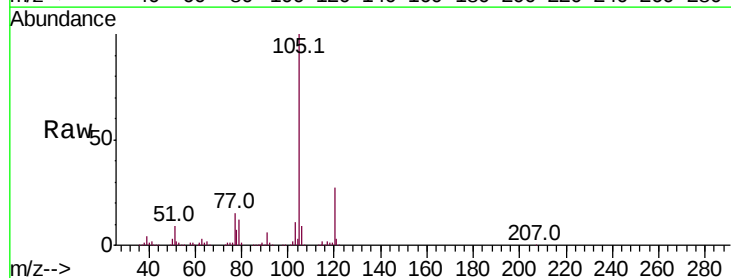
Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

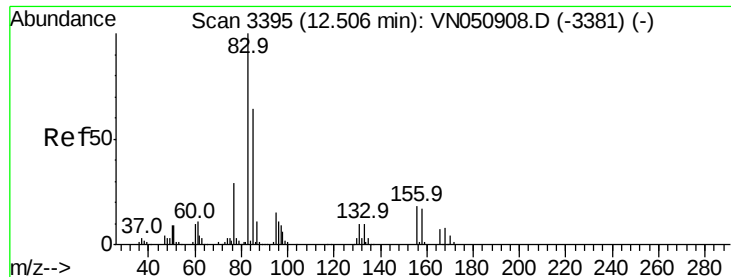
Tot Ion:104 Resp: 418659
Ion Ratio Lower Upper
104 100
78 48.2 38.6 58.0
103 55.9 45.4 68.2



#70
Isopropylbenzene
Concen: 18.415 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion:105 Resp: 696108
Ion Ratio Lower Upper
105 100
120 27.1 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.094 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

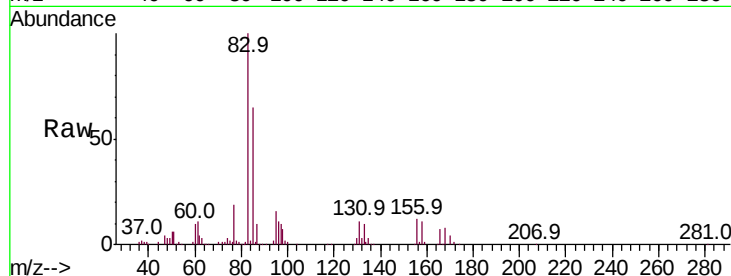
Tot Ion: 83 Resp: 195418

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.9

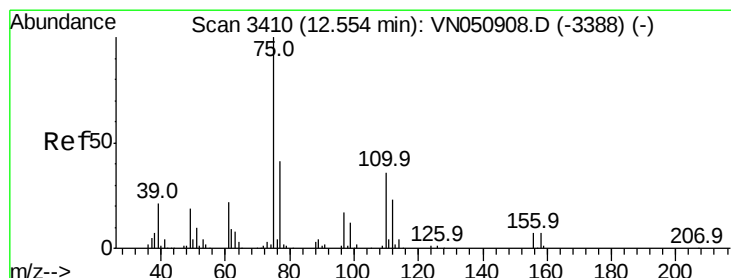
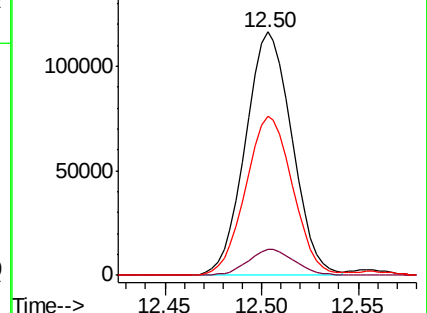
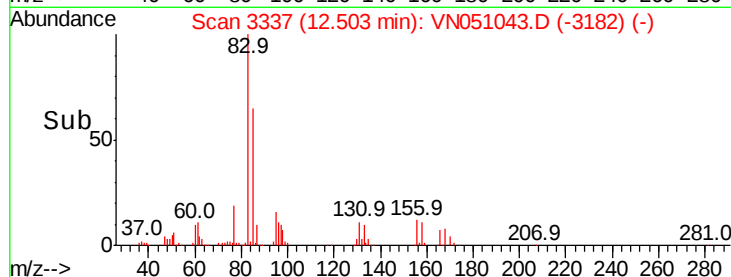
85 66.0 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 25.357 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051043.D

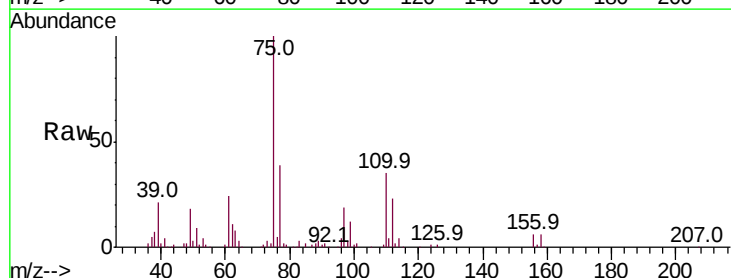
Acq: 7 Sep 2018 9:35

Tgt Ion: 75 Resp: 223896

Ion Ratio Lower Upper

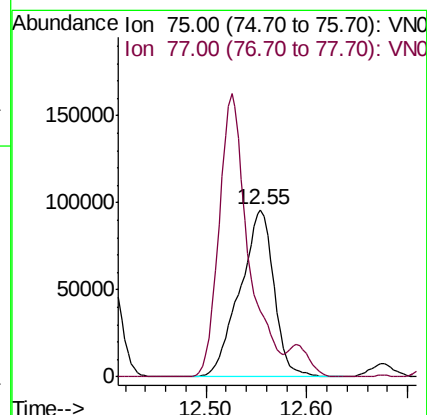
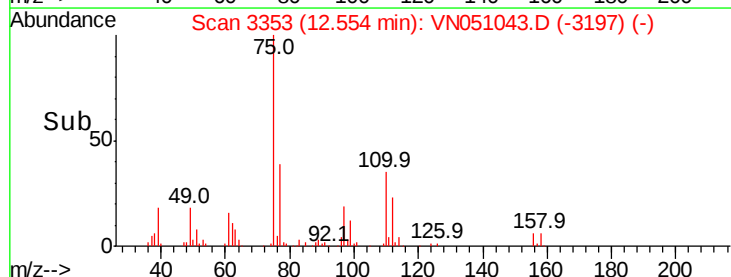
75 100

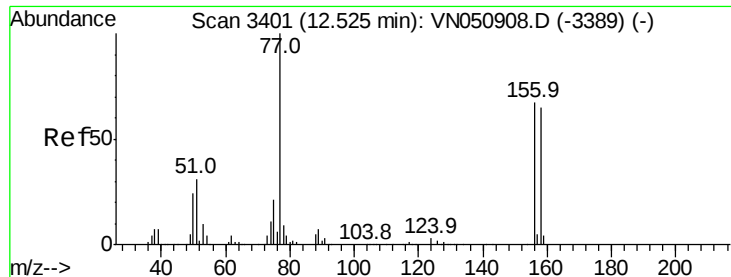
77 146.8 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.604 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

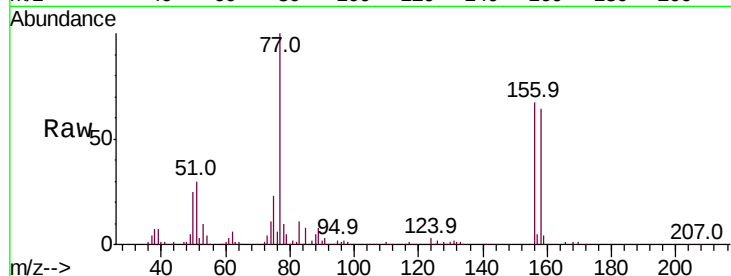
Tot Ion:156 Resp: 185028

Ion Ratio Lower Upper

156 100

77 177.6 0.0 359.4

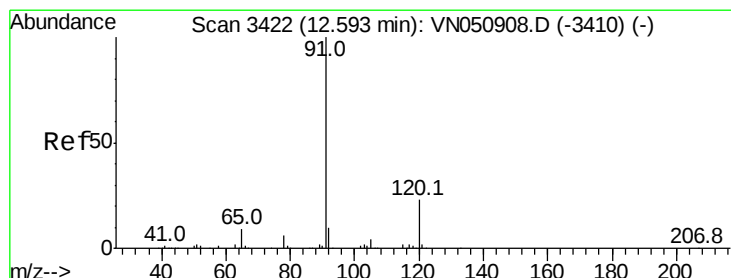
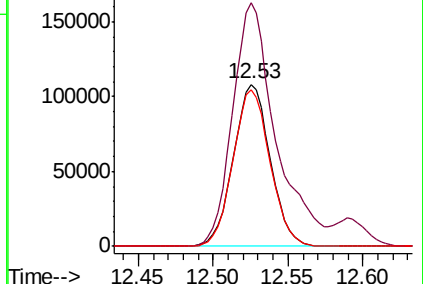
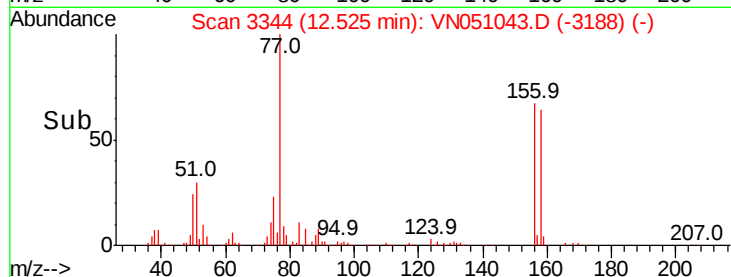
158 97.2 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.417 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051043.D

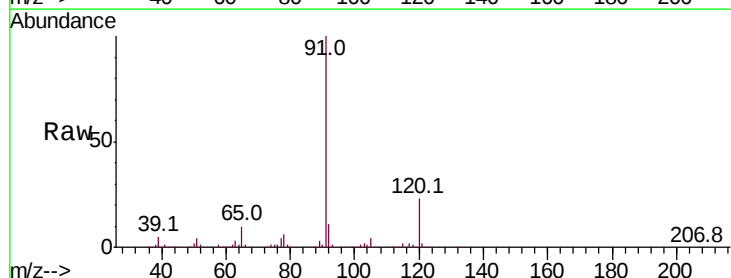
Acq: 7 Sep 2018 9:35

Tgt Ion: 91 Resp: 787089

Ion Ratio Lower Upper

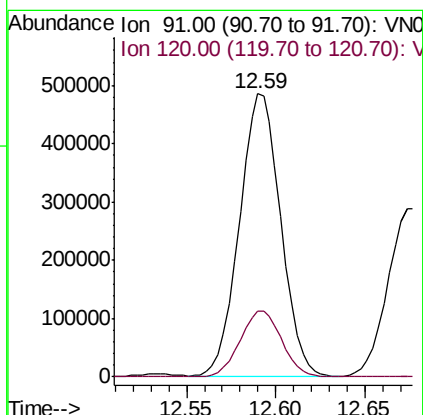
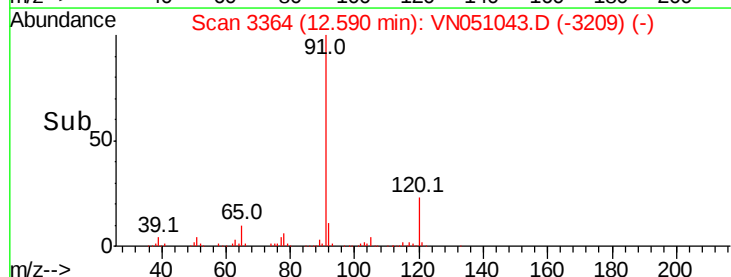
91 100

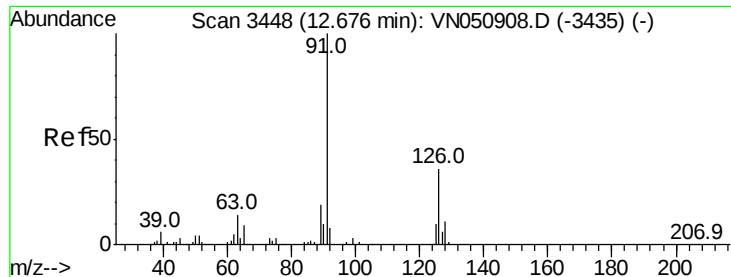
120 23.4 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.702 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

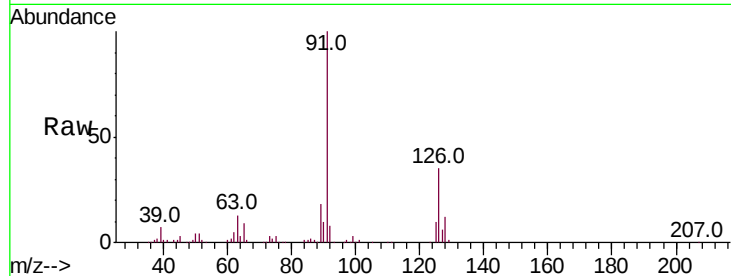
VN0907WBS01

Tot Ion: 91 Resp: 485559

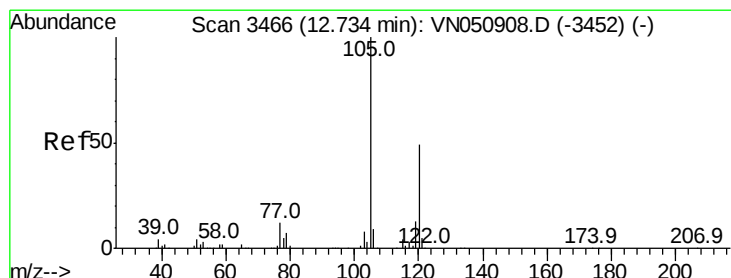
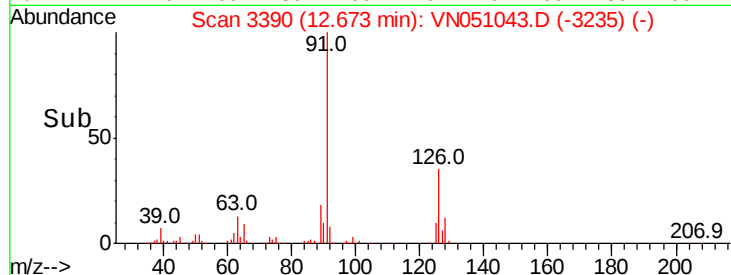
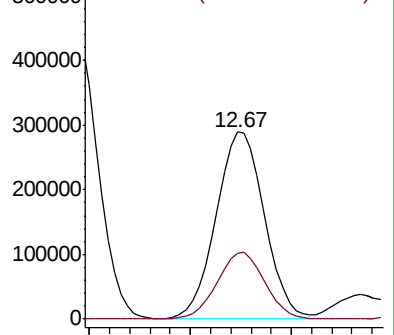
Ion Ratio Lower Upper

91 100

126 35.2 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.791 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051043.D

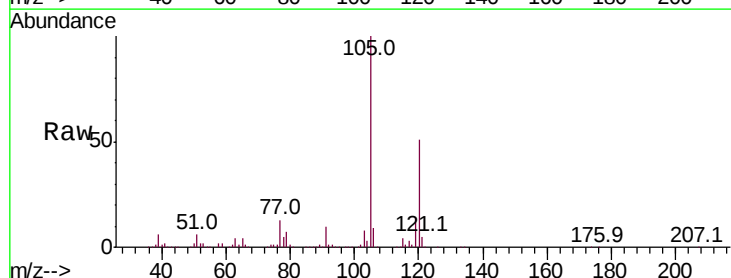
Acq: 7 Sep 2018 9:35

Tgt Ion: 105 Resp: 580478

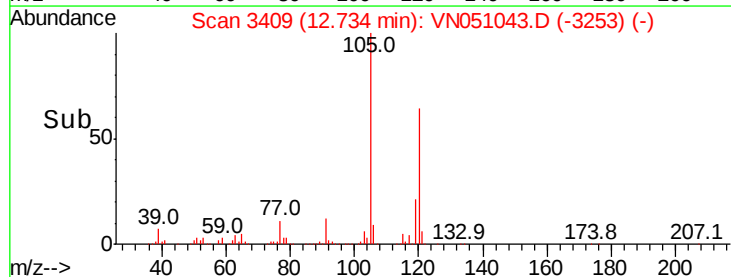
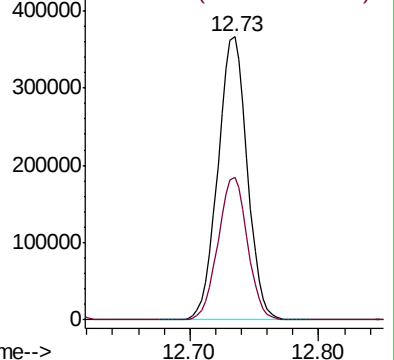
Ion Ratio Lower Upper

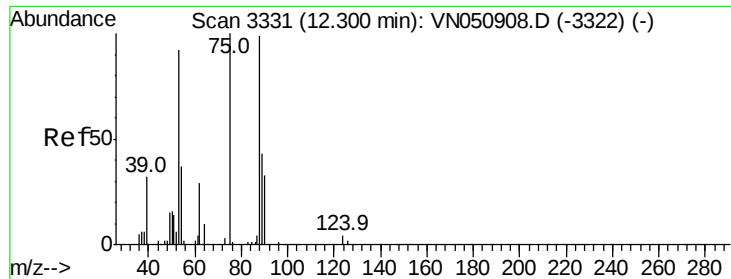
105 100

120 50.8 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.864 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

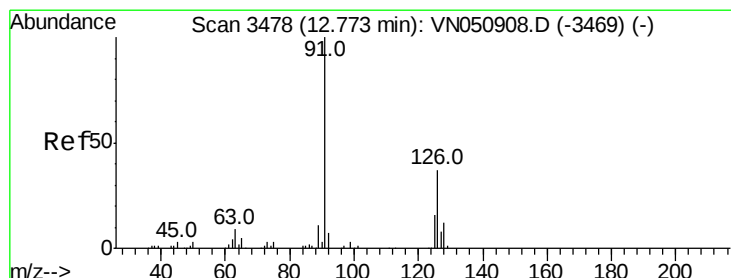
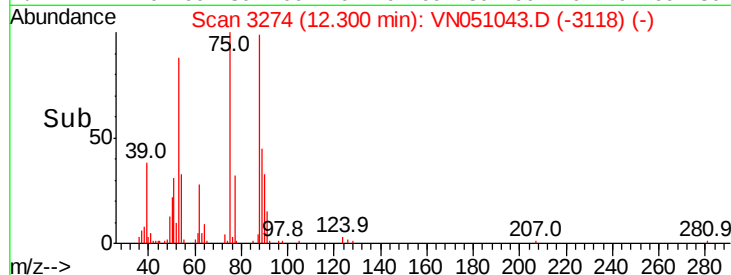
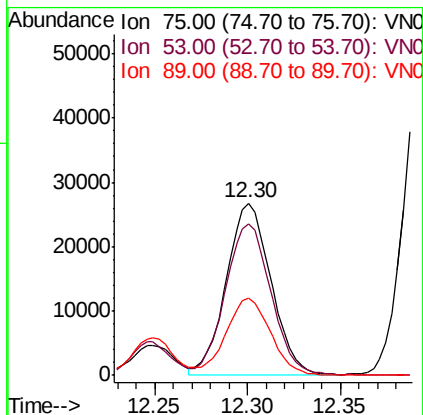
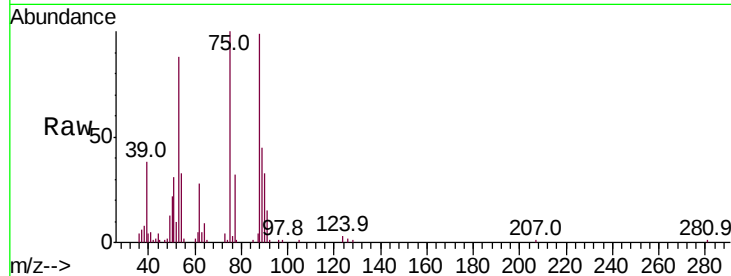
Tot Ion: 75 Resp: 44938

Ion Ratio Lower Upper

75 100

53 88.3 45.5 136.4

89 44.9 21.9 65.8



#78

4-Chlorotoluene

Concen: 18.554 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051043.D

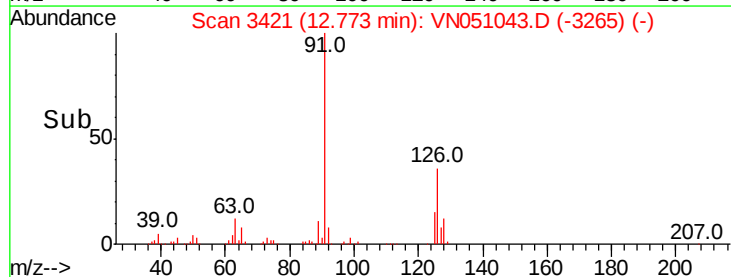
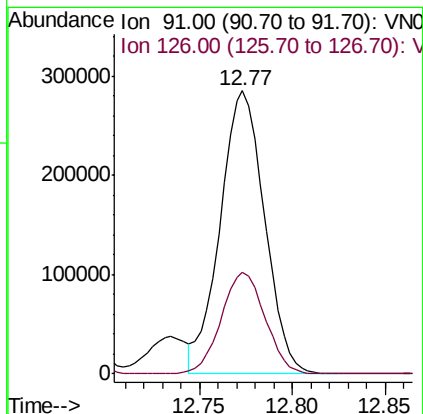
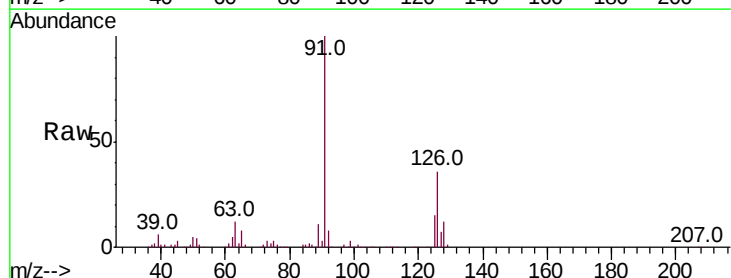
Acq: 7 Sep 2018 9:35

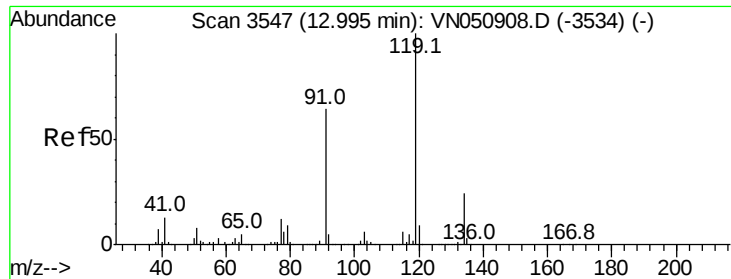
Tgt Ion: 91 Resp: 474312

Ion Ratio Lower Upper

91 100

126 35.6 0.0 69.8

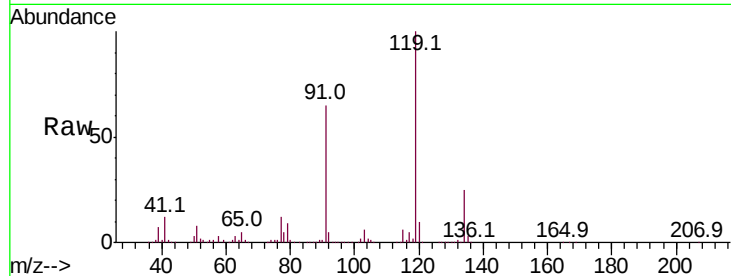




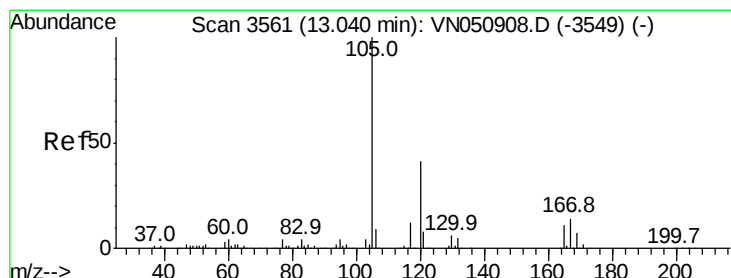
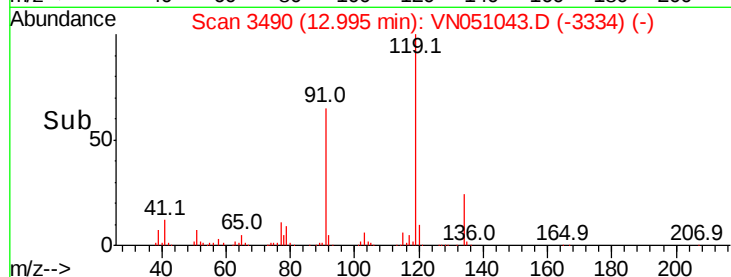
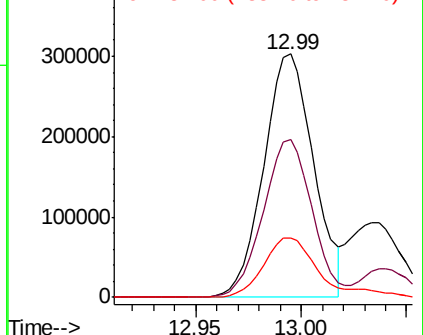
#79
tert-butylbenzene
Concen: 18.616 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

Tot Ion:119 Resp: 499419
Ion Ratio Lower Upper
119 100
91 63.4 0.0 125.6
134 25.2 0.0 48.4

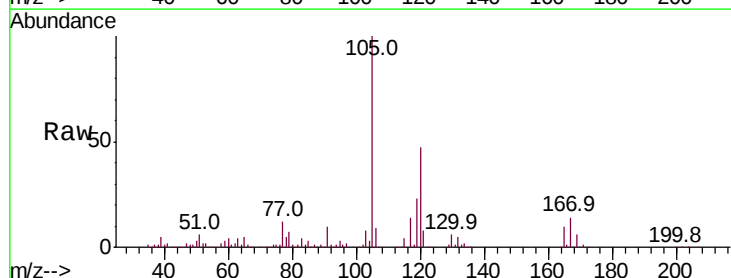


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

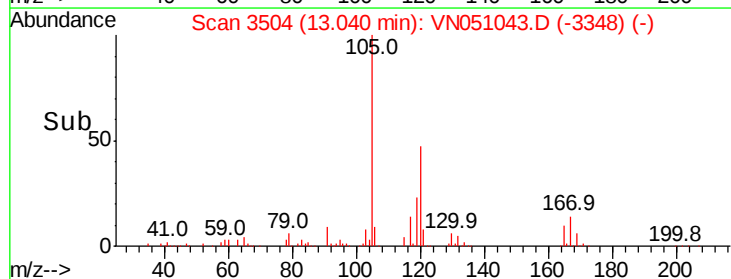
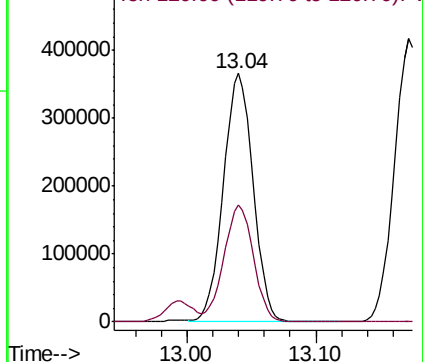


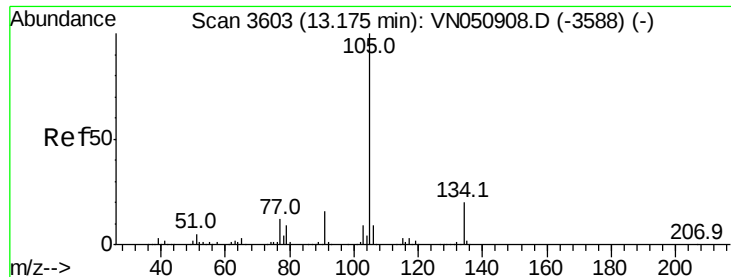
#80
1,2,4-Trimethylbenzene
Concen: 18.995 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion:105 Resp: 585019
Ion Ratio Lower Upper
105 100
120 46.8 0.0 93.6



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

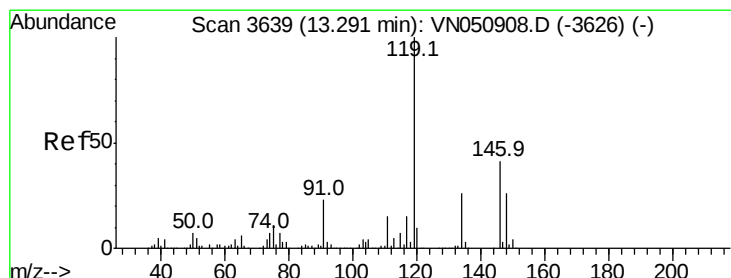
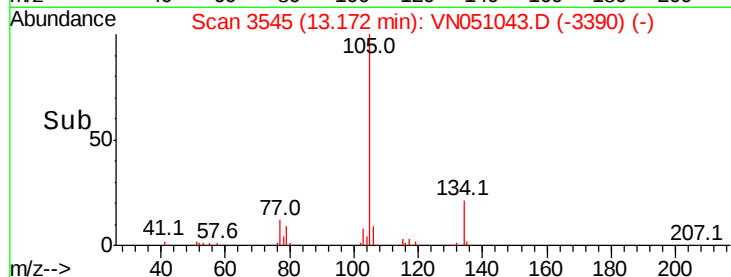
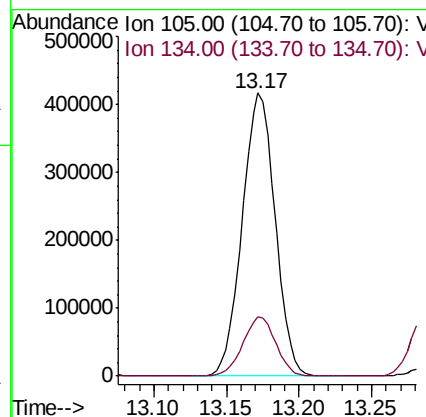
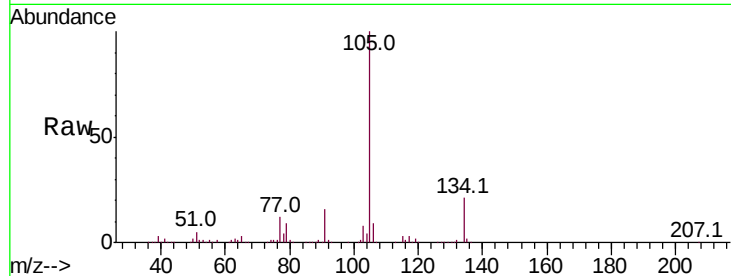




#81
 sec-Butylbenzene
 Concen: 18.710 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

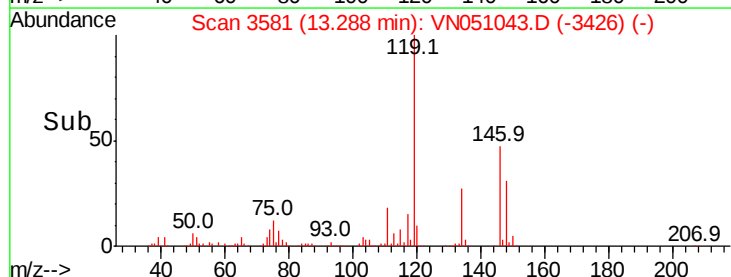
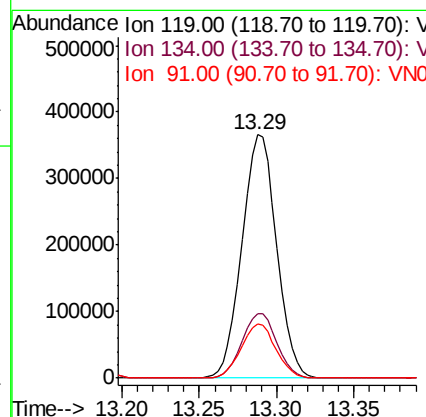
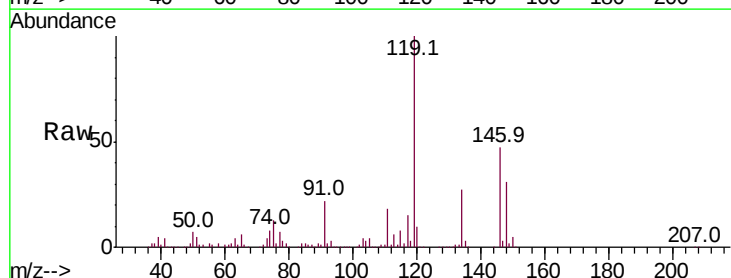
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

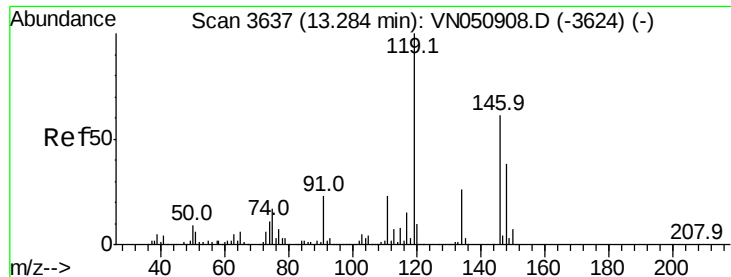
Tot Ion:105 Resp: 656749
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 18.771 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion:119 Resp: 568723
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.2
 91 22.3 0.0 46.0

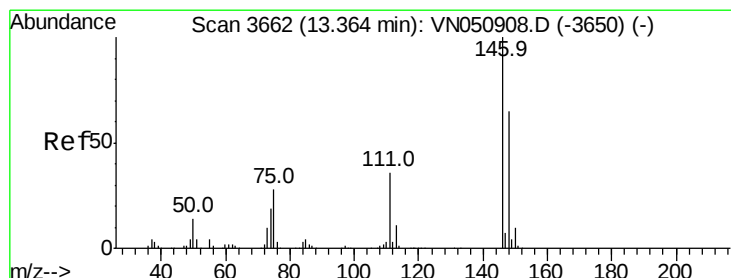
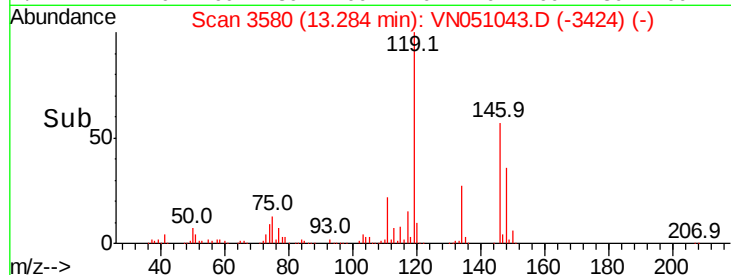
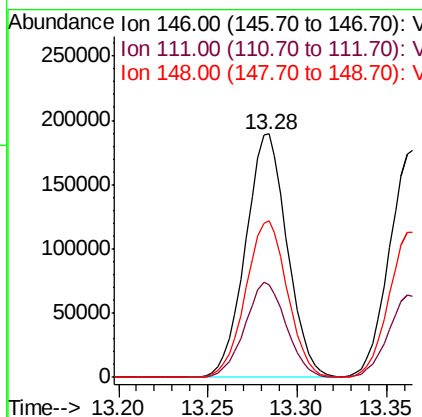
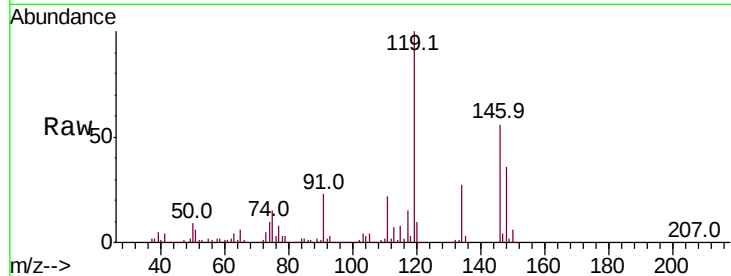




#83
 1,3-Dichlorobenzene
 Concen: 18.447 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

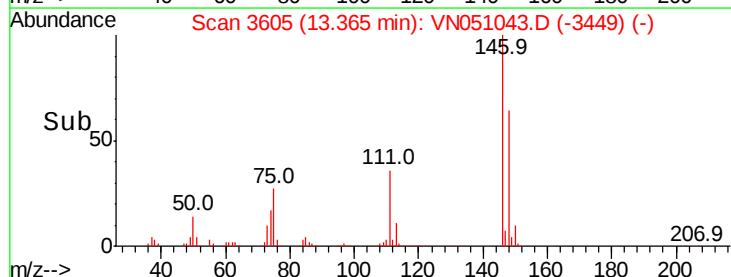
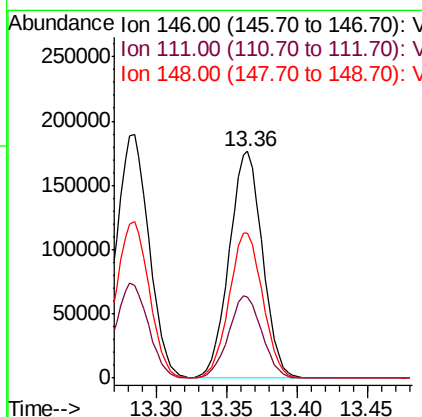
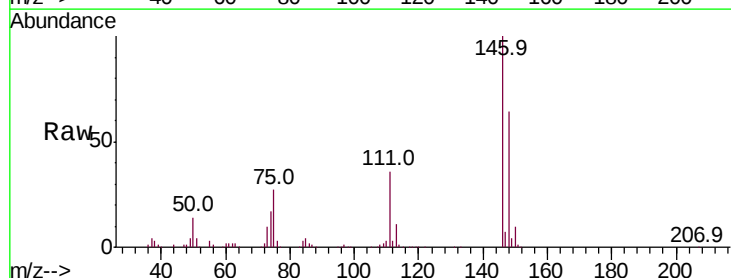
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

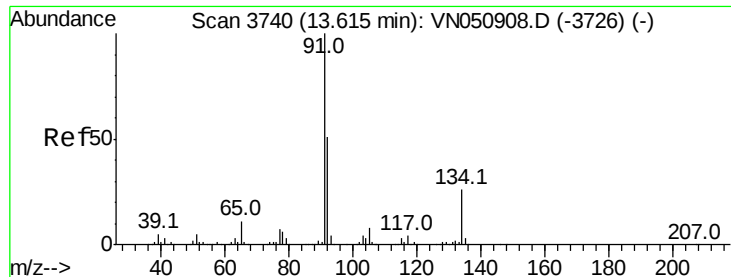
Tot Ion:146 Resp: 310188
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.6 55.6
 148 64.4 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 18.252 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion:146 Resp: 290786
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.7 53.1
 148 64.8 31.6 94.8

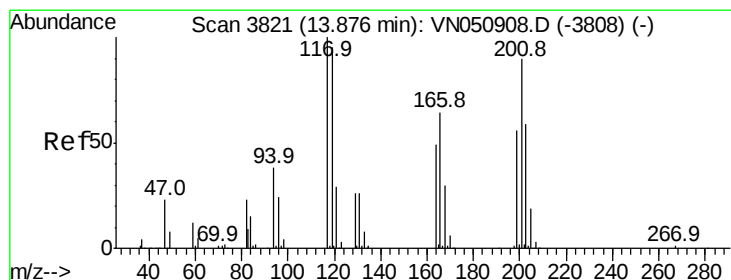
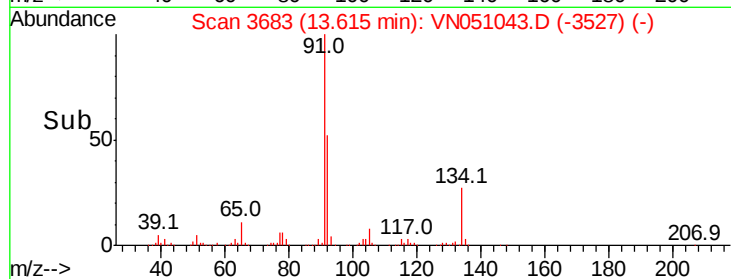
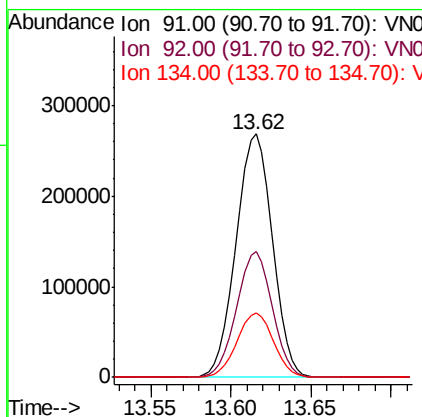
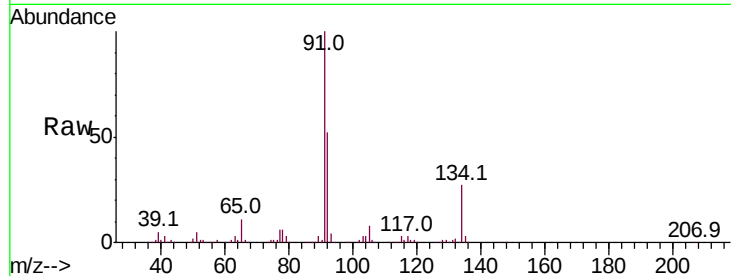




#85
n-Butylbenzene
Concen: 17.991 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

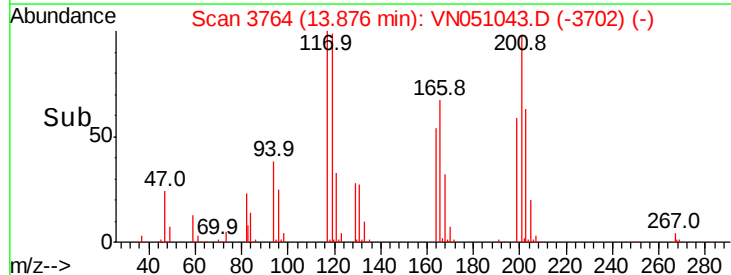
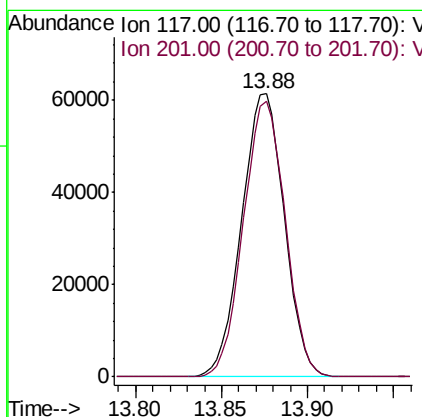
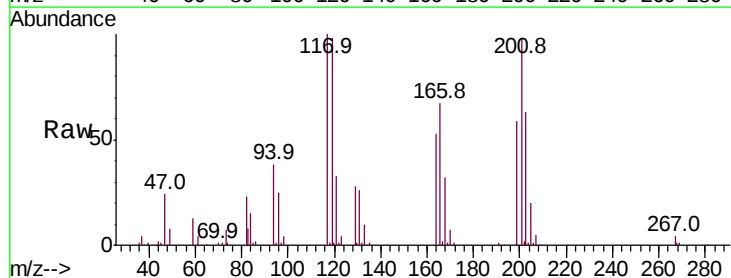
Instrument :
MSVOA_N
ClientSampleId :
VN0907WBS01

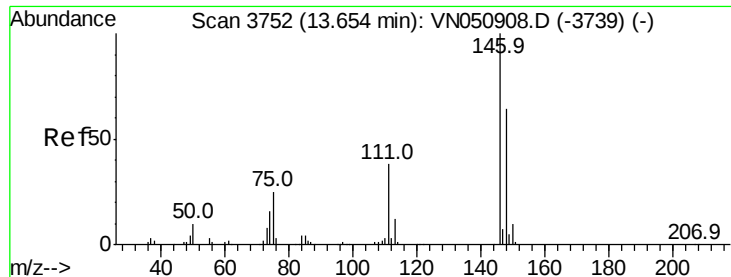
Tot Ion: 91 Resp: 415920
Ion Ratio Lower Upper
91 100
92 50.8 0.0 101.8
134 26.5 0.0 52.2



#86
Hexachloroethane
Concen: 18.247 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051043.D
Acq: 7 Sep 2018 9:35

Tgt Ion: 117 Resp: 106114
Ion Ratio Lower Upper
117 100
201 95.3 45.8 137.4





#87

1,2-Dichlorobenzene

Concen: 18.840 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

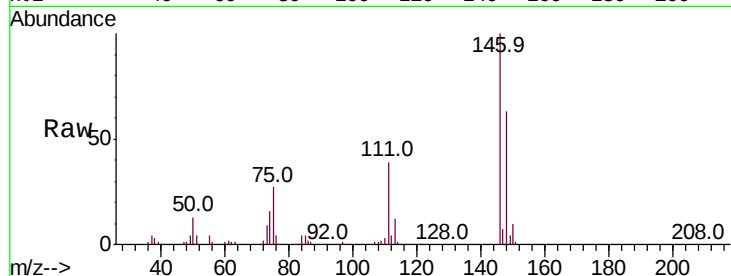
Tot Ion:146 Resp: 311821

Ion Ratio Lower Upper

146 100

111 39.0 19.1 57.1

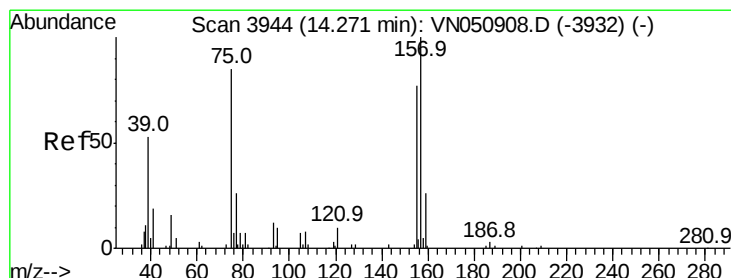
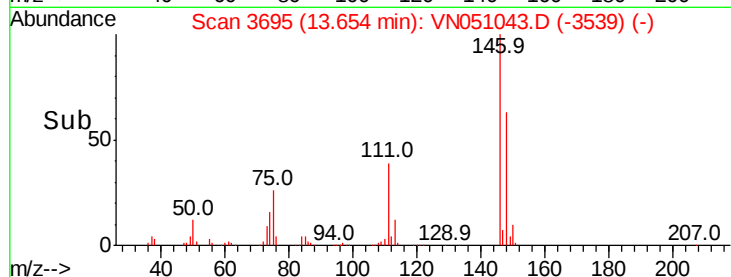
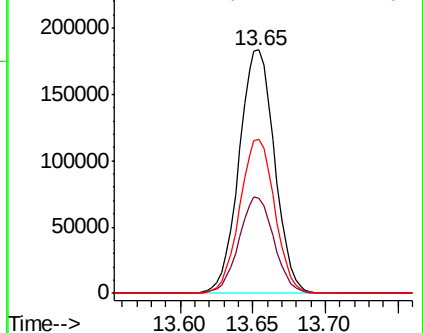
148 62.6 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.525 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

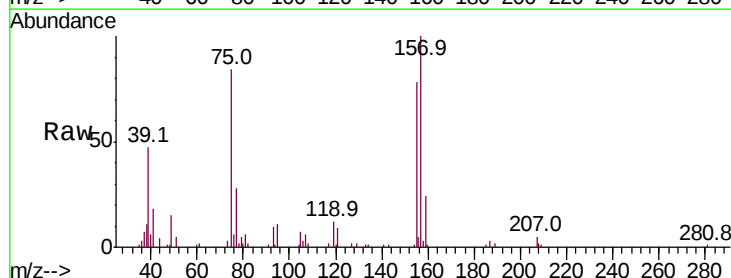
Tgt Ion: 75 Resp: 27956

Ion Ratio Lower Upper

75 100

155 91.6 71.8 107.6

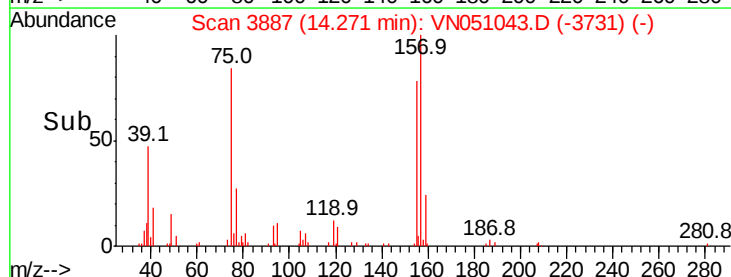
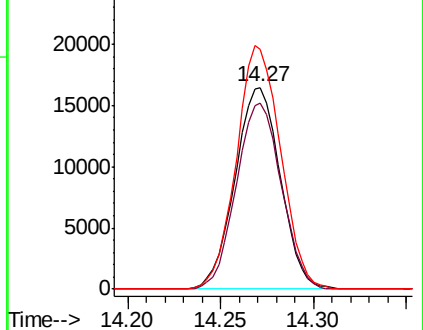
157 118.2 91.1 136.7

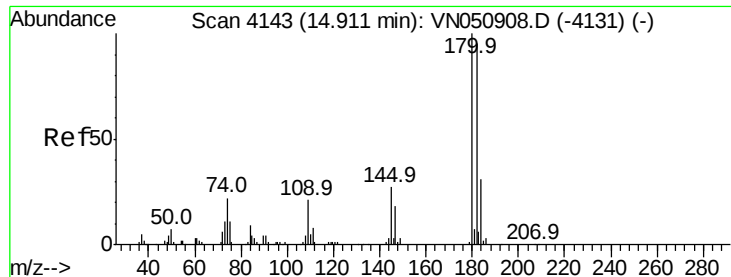


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

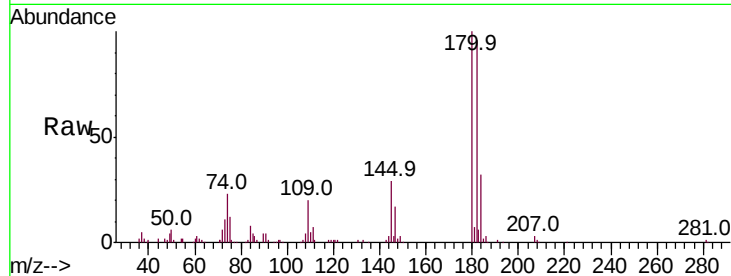




#89
 1,2,4-Trichlorobenzene
 Concen: 16.504 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.4
145	28.3	22.2	33.4

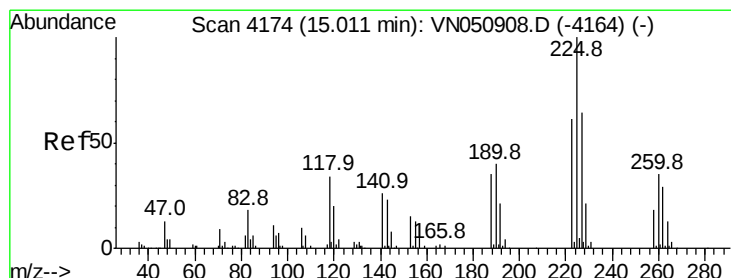
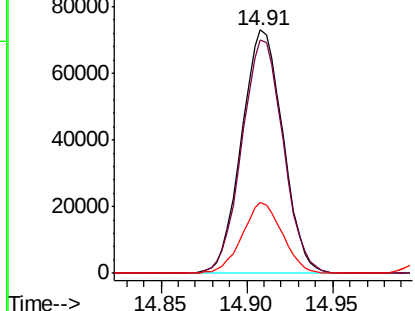
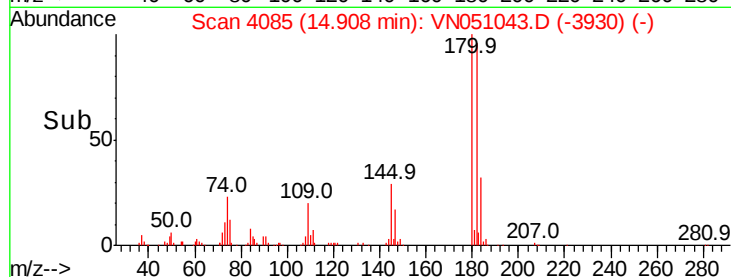


Abundance

Ion 180.00 (179.70 to 180.70): V

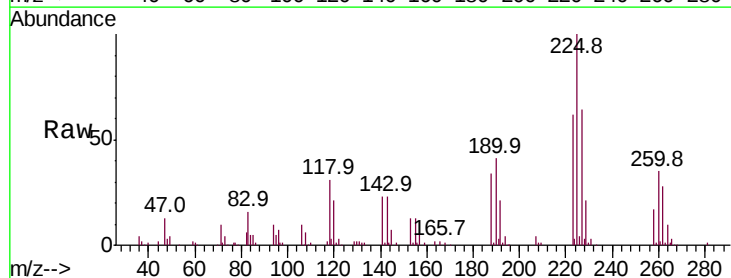
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 20.920 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051043.D
 Acq: 7 Sep 2018 9:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	127.8
227	63.2	0.0	128.4

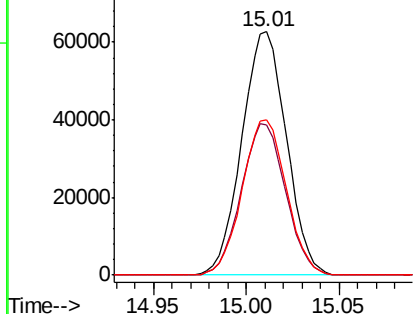
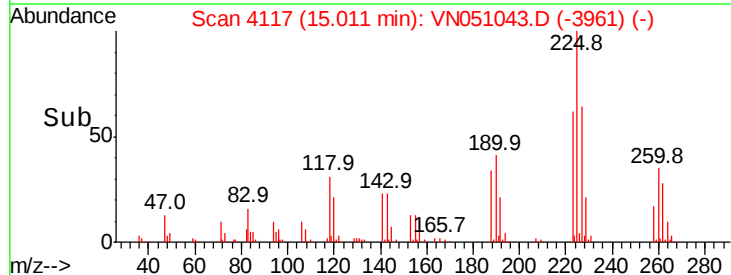


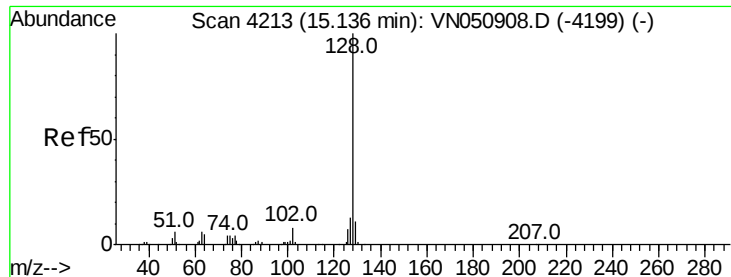
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 18.737 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBS01

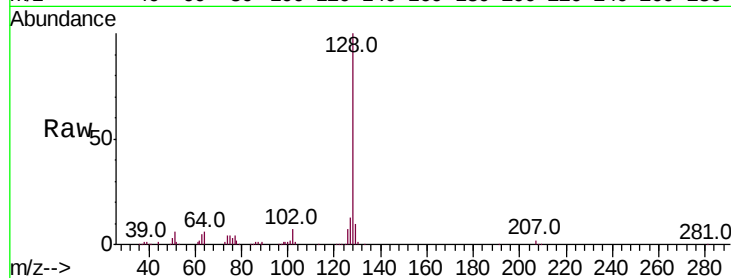
Tot Ion:128 Resp: 233996

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

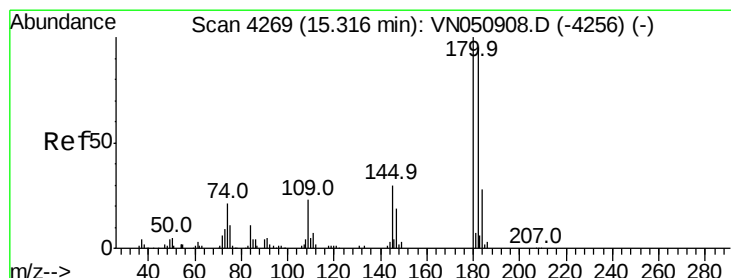
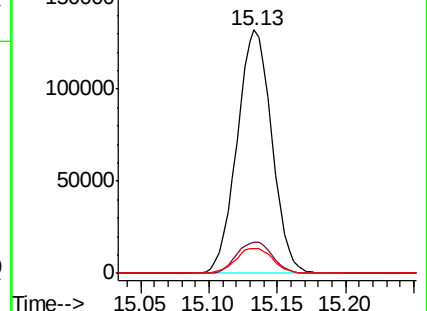
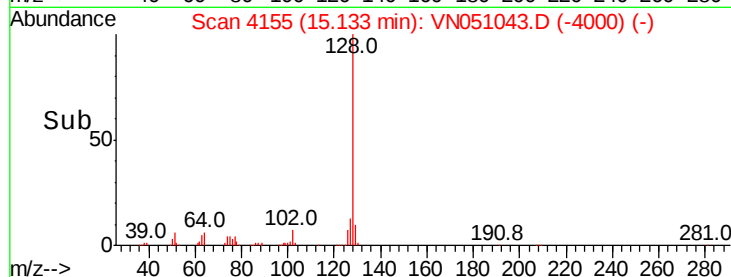
129 10.9 8.7 13.1



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: 17.354 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051043.D

Acq: 7 Sep 2018 9:35

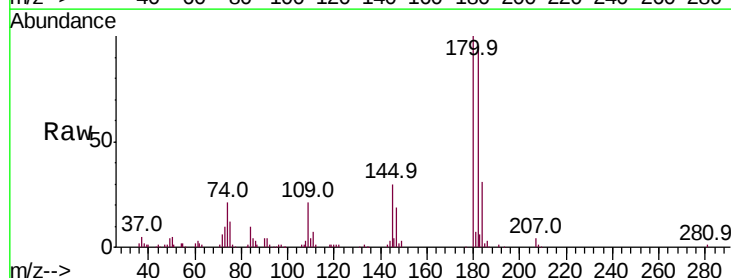
Tgt Ion:180 Resp: 128310

Ion Ratio Lower Upper

180 100

182 95.4 0.0 192.8

145 28.9 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

