

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051181.D
 Acq On : 14 Sep 2018 11:30
 Operator : MD\SY
 Sample : VN0914WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Quant Time: Sep 14 15:30:01 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	108051	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	589474	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	507467	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	203591	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	216367	28.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.57%
63) Toluene-d8	10.09	98	729358	30.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	94982	14.155	ug/l 99
3) Chloromethane	2.06	50	127107	16.042	ug/l 98
4) Vinyl Chloride	2.18	62	132410	16.913	ug/l 100
5) Bromomethane	2.57	94	74727	15.659	ug/l 98
6) Chloroethane	2.70	64	81913	17.738	ug/l 96
7) Trichlorofluoromethane	3.01	101	188329	18.145	ug/l 98
8) Diethyl Ether	3.41	74	66046	18.049	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	118521	18.440	ug/l 98
10) 1,1-Dichloroethene	3.74	96	105061	17.995	ug/l 100
11) Methyl Iodide	3.95	142	83162	15.266	ug/l 99
12) Methyl Acetate	4.33	43	93674	13.875	ug/l 98
13) Acrolein	3.61	56	30685	205.259	ug/l 98
14) Acrylonitrile	4.99	53	186148	81.550	ug/l 96
15) Acetone	3.82	58	46090	78.907	ug/l 94
16) Carbon Disulfide	4.05	76	303130	17.267	ug/l 100
17) Allyl chloride	4.32	41	158186	17.219	ug/l 99
18) Methylene Chloride	4.55	84	130235	19.004	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	115786	18.613	ug/l 95
20) Diisopropyl ether	5.96	45	358094	18.779	ug/l 98
21) 1,1-Dichloroethane	5.85	63	220942	18.897	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	130208	18.530	ug/l 98
23) tert-Butyl Alcohol	4.79	59	36304	74.785	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	284606	17.823	ug/l 99
25) Chloroform	7.37	83	226395	19.401	ug/l 99
26) Cyclohexane	7.65	56	172199	17.777	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	164191	18.605	ug/l 98
30) 2-Butanone	6.84	43	198218	73.013	ug/l 99
31) 2,2-Dichloropropane	6.83	77	166503	19.390	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	189349	18.921	ug/l 99
33) Carbon Tetrachloride	7.77	117	169089	18.762	ug/l 95
34) Benzene	8.04	78	507143	18.576	ug/l 99
35) Methacrylonitrile	7.17	41	52671	17.708	ug/l 96
36) 1,2-Dichloroethane	8.13	62	152239	18.438	ug/l 100
37) Trichloroethene	8.84	130	135032	18.924	ug/l 95
38) Methylcyclohexane	9.08	83	166512	17.568	ug/l 99
39) 1,2-Dichloropropane	9.12	63	133690	18.750	ug/l 100
40) Dibromomethane	9.21	93	77095	17.949	ug/l 99

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 Acq On : 14 Sep 2018 11:30
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 Sample : VN0914WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Quant Time: Sep 14 15:30:01 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)
41) Bromodichloromethane	9.40	83	169895	18.764	ug/l	97
42) Vinyl Acetate	5.90	43	1093542	87.450	ug/l	99
43) Ethyl Acetate	6.93	43	86890	15.623	ug/l	98
44) Isopropyl Acetate	8.17	43	163480	16.658	ug/l	98
45) 1,4-Dioxane	9.20	88	22599	309.997	ug/l	99
46) Methyl methacrylate	9.20	41	75022	15.264	ug/l	98
47) n-amyl Acetate	12.07	43	108489	13.750	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	152501	17.183	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	185007	18.146	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	116314	18.638	ug/l	98
51) Ethyl methacrylate	10.43	69	122566	16.052	ug/l	97
52) 1,3-Dichloropropane	10.71	76	186020	17.995	ug/l	100
53) Dibromochloromethane	10.90	129	130162	18.342	ug/l	97
54) 1,2-Dibromoethane	11.01	107	106638	17.281	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	225650	71.024	ug/l	99
56) Bromoform	12.13	173	85712	16.983	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	448816	77.299	ug/l	99
59) 2-Hexanone	10.75	43	266209	70.144	ug/l	100
61) Tetrachloroethene	10.63	164	123130	19.471	ug/l	98
62) Toluene	10.16	91	543537	19.199	ug/l	100
64) Chlorobenzene	11.43	112	330781	18.852	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	131841	19.901	ug/l	100
66) Ethyl Benzene	11.51	91	534963	18.242	ug/l	100
67) m/p-Xylenes	11.62	106	425143	37.679	ug/l	99
68) o-Xylene	11.95	106	204763	18.993	ug/l	99
69) Styrene	11.96	104	314269	18.334	ug/l	99
70) Isopropylbenzene	12.25	105	541185	18.891	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	133678	17.234	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	149414	22.328	ug/l	97
73) Bromobenzene	12.53	156	135665	17.999	ug/l	95
74) n-propylbenzene	12.59	91	574811	17.747	ug/l	99
75) 2-Chlorotoluene	12.67	91	363194	18.458	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	438149	18.715	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	27622	14.488	ug/l	96
78) 4-Chlorotoluene	12.77	91	339623	17.529	ug/l	99
79) tert-butylbenzene	12.99	119	378064	18.595	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	428926	18.376	ug/l	99
81) sec-Butylbenzene	13.17	105	483509	18.175	ug/l	99
82) p-Isopropyltoluene	13.29	119	407756	17.758	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	218997	17.185	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	204347	16.924	ug/l	99
85) n-Butylbenzene	13.62	91	272310	15.542	ug/l	100
86) Hexachloroethane	13.87	117	82212	18.653	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	219789	17.522	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16346	15.063	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	66864	11.974	ug/l	100
90) Hexachlorobutadiene	15.01	225	72729	19.170	ug/l	99
91) Naphthalene	15.13	128	122912	15.619	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	74762	13.342	ug/l	99

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Acq On : 14 Sep 2018 11:30
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Quant Time: Sep 14 15:30:01 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

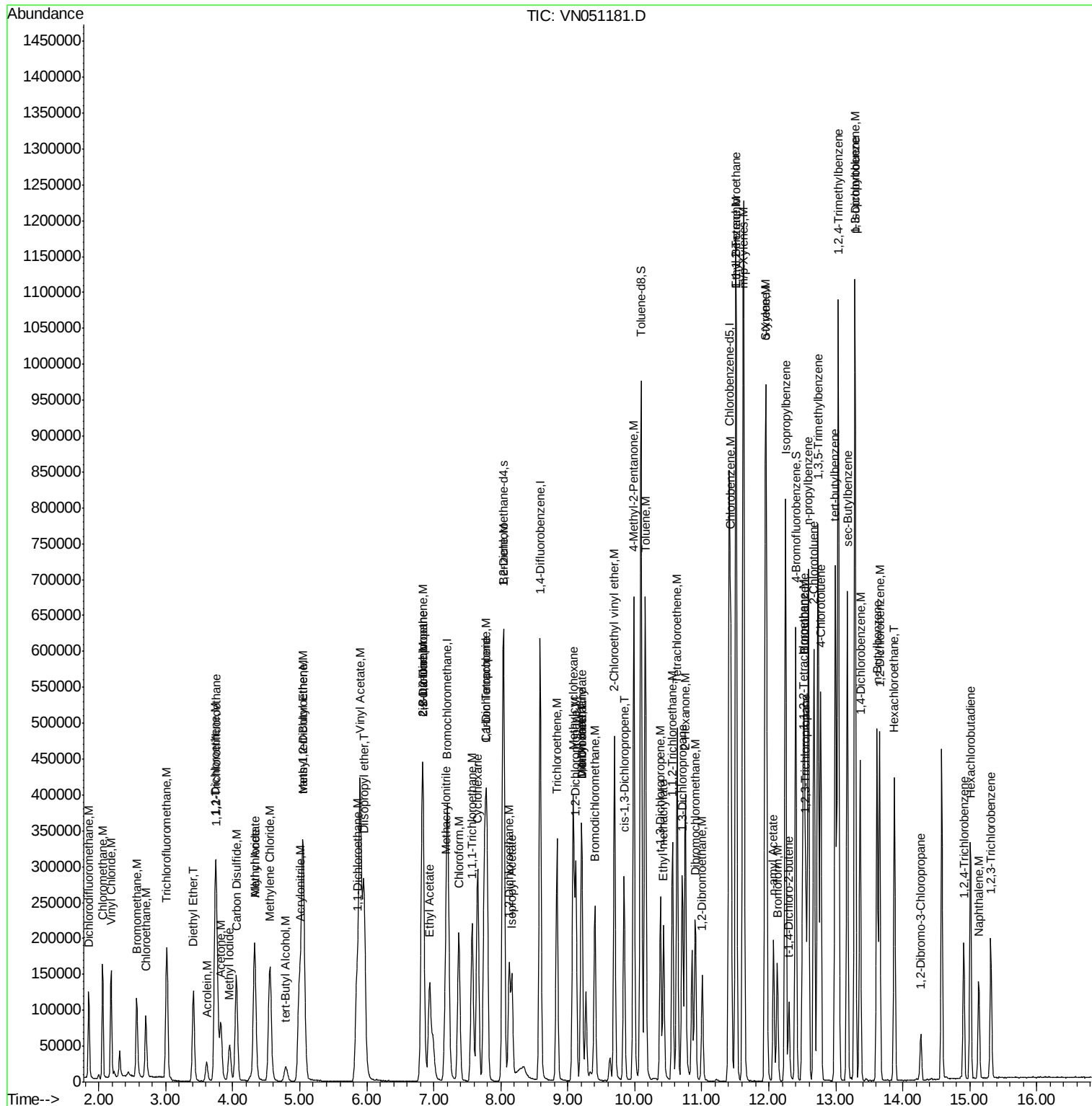
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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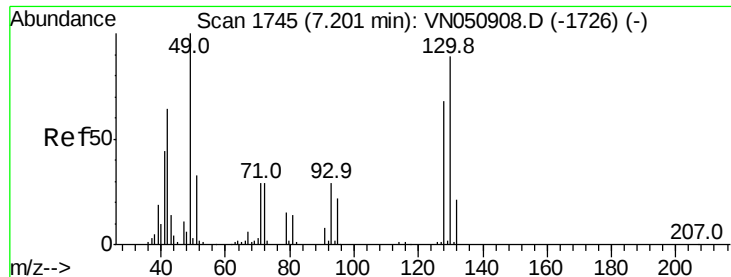
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
Data File : VN051181.D
Acq On : 14 Sep 2018 11:30
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Sample : VN0914WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Quant Time: Sep 14 15:30:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

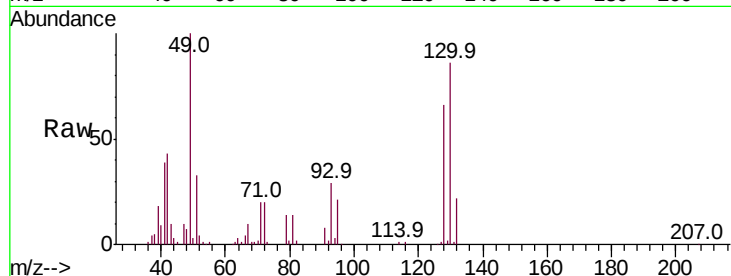
Tot Ion:128 Resp: 108051

Ion Ratio Lower Upper

128 100

49 145.6 0.0 380.3

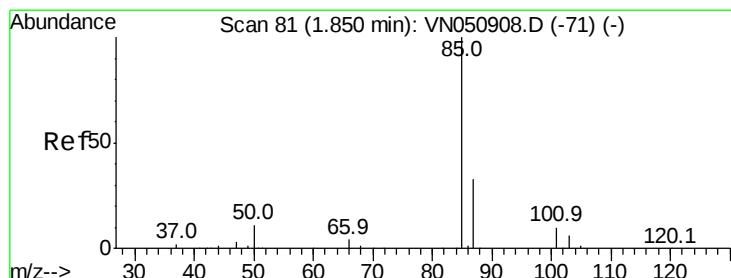
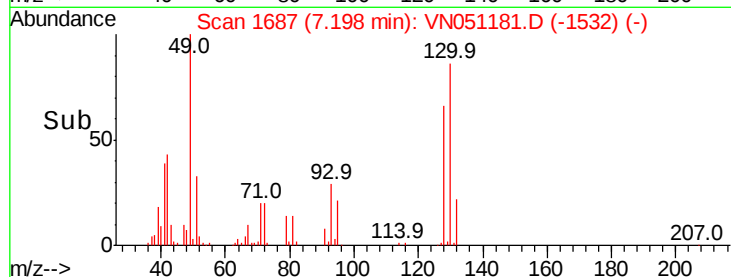
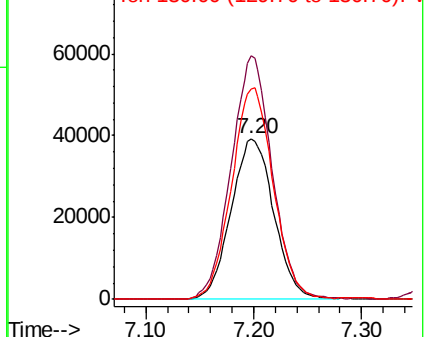
130 129.0 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 14.155 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051181.D

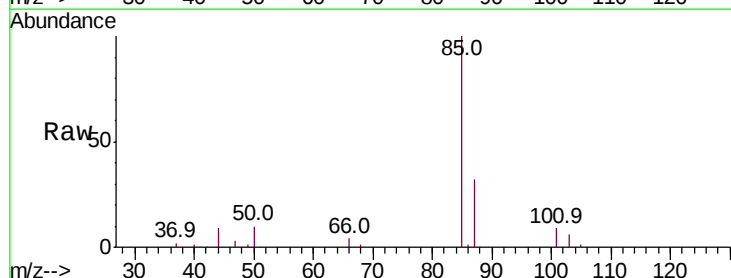
Acq: 14 Sep 2018 11:30

Tgt Ion: 85 Resp: 94982

Ion Ratio Lower Upper

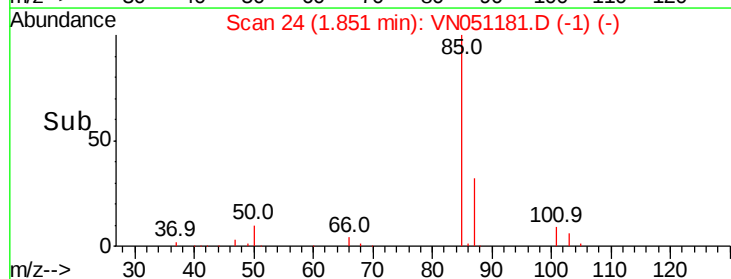
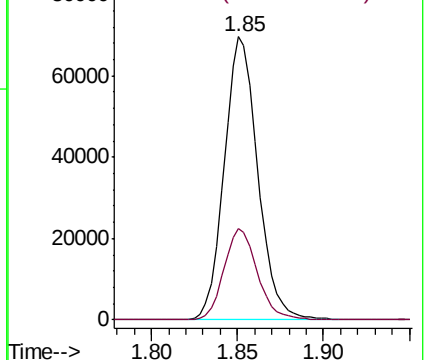
85 100

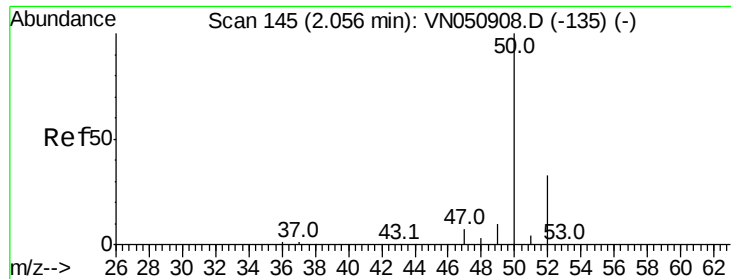
87 32.2 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 16.042 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampled :

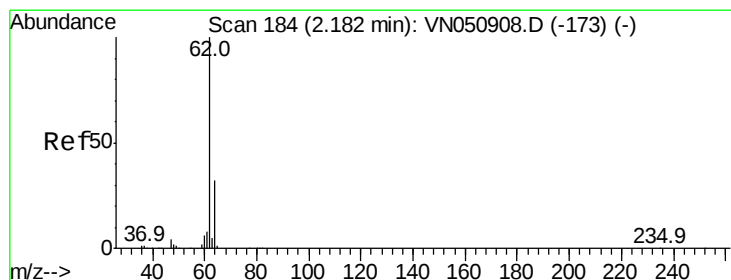
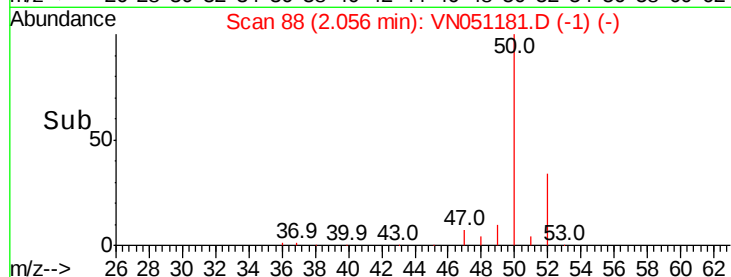
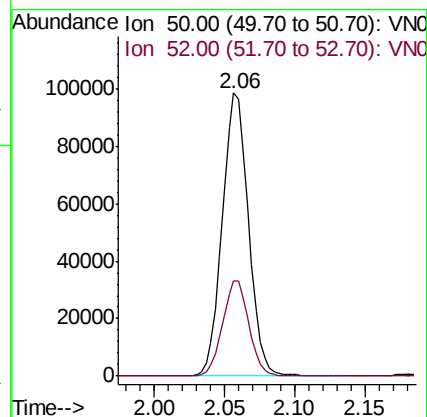
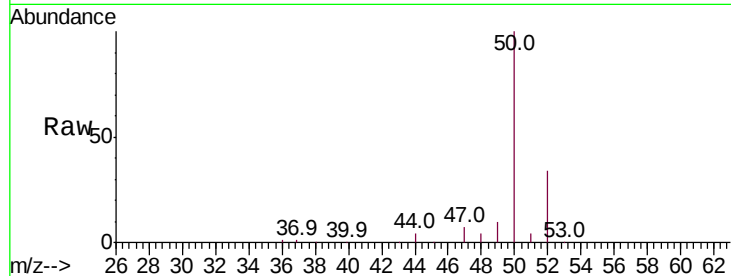
VN0914WBSD01

Tot Ion: 50 Resp: 127107

Ion Ratio Lower Upper

50 100

52 33.8 26.2 39.4



#4

Vinyl Chloride

Concen: 16.913 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051181.D

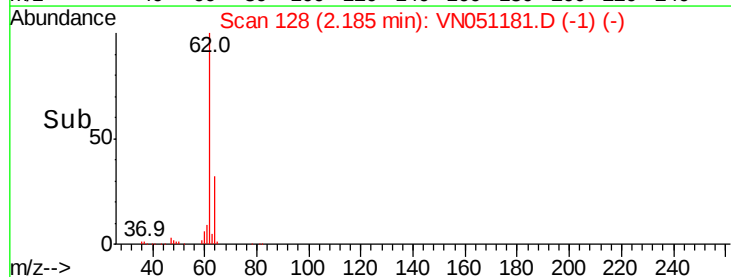
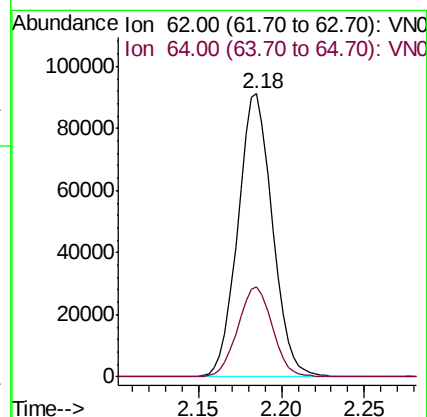
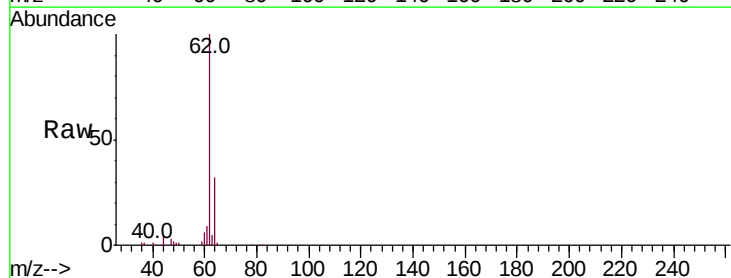
Acq: 14 Sep 2018 11:30

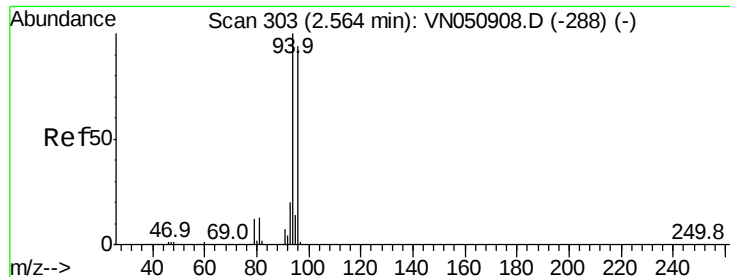
Tgt Ion: 62 Resp: 132410

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 15.659 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

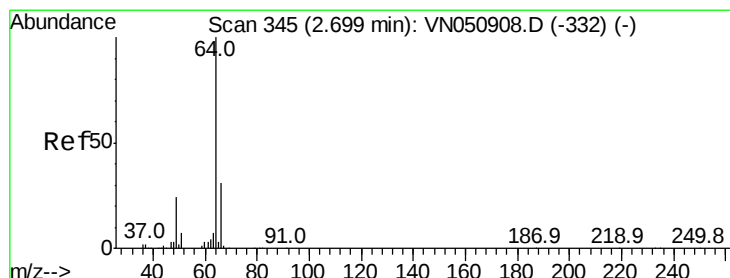
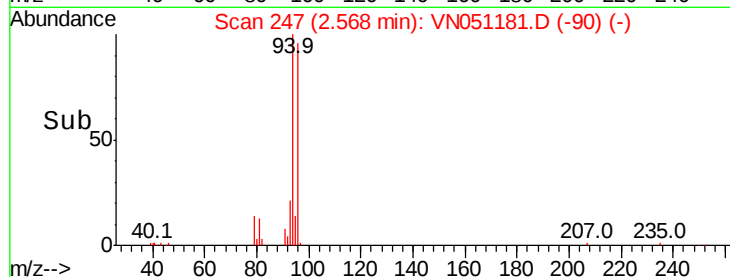
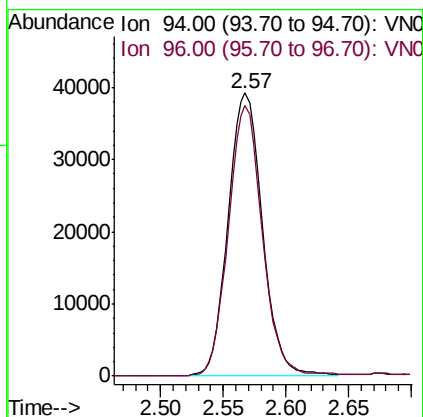
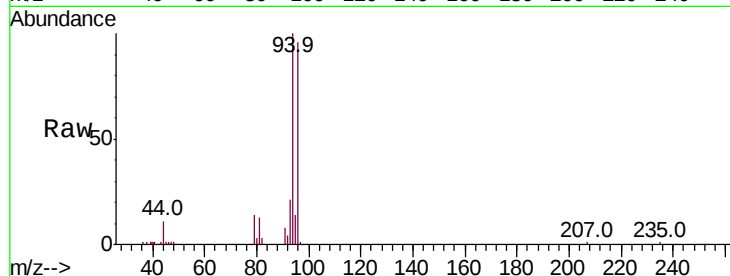
VN0914WBSD01

Tot Ion: 94 Resp: 74727

Ion Ratio Lower Upper

94 100

96 95.7 74.9 112.3



#6

Chloroethane

Concen: 17.738 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051181.D

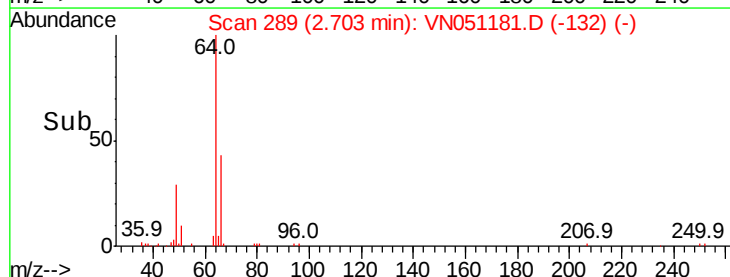
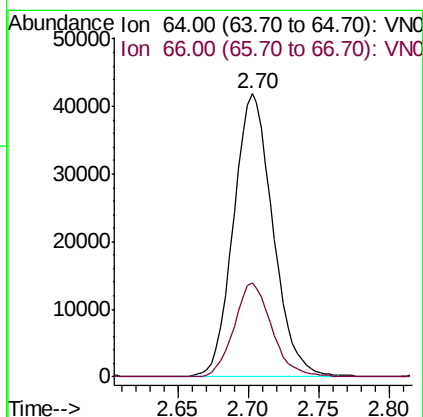
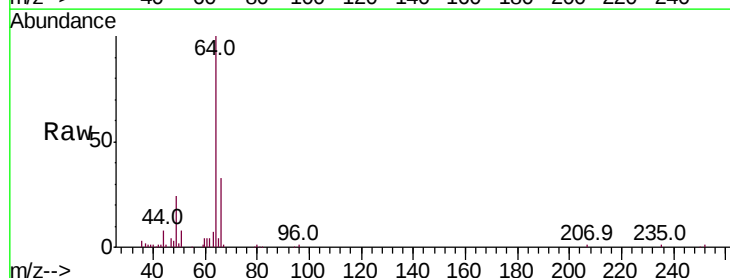
Acq: 14 Sep 2018 11:30

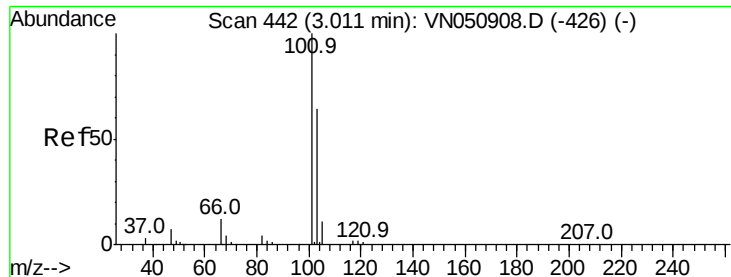
Tgt Ion: 64 Resp: 81913

Ion Ratio Lower Upper

64 100

66 33.0 24.5 36.7



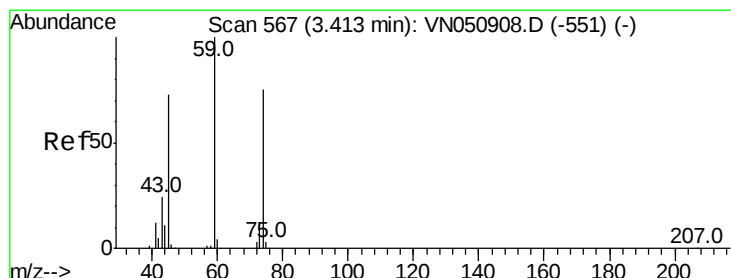
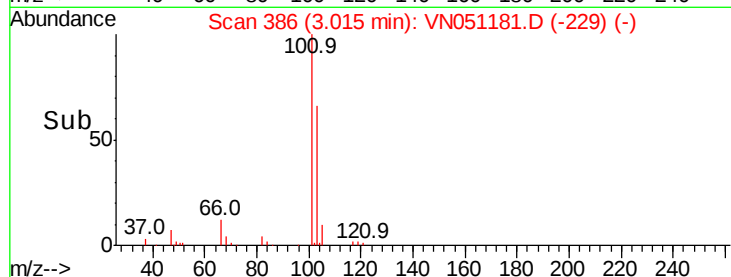
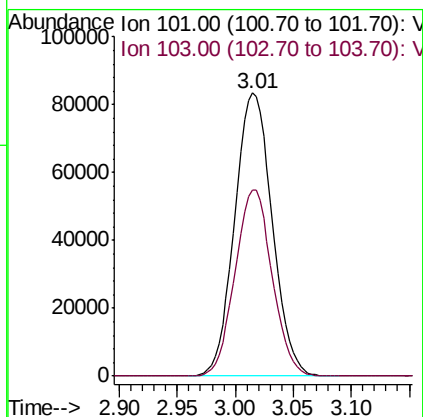
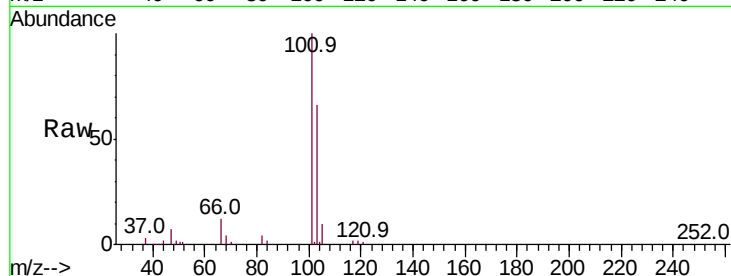


#7

Trichlorofluoromethane
 Concen: 18.145 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

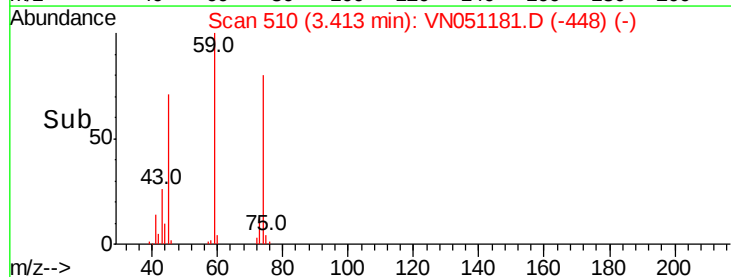
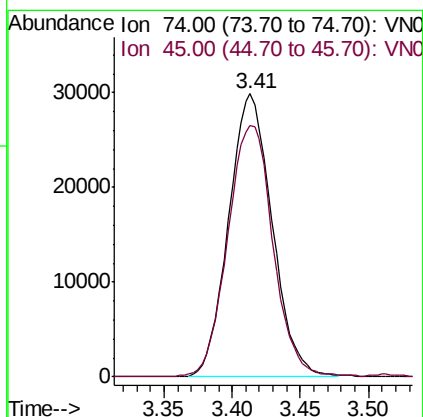
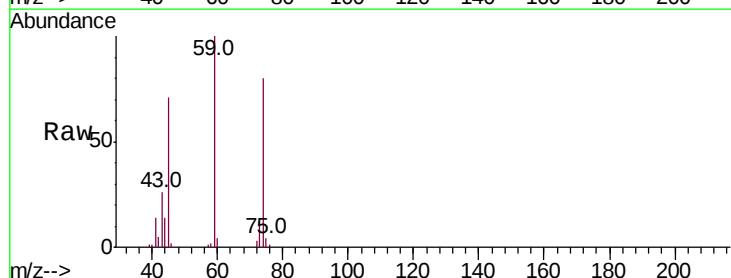
Tot Ion:101 Resp: 188329
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.3 76.9

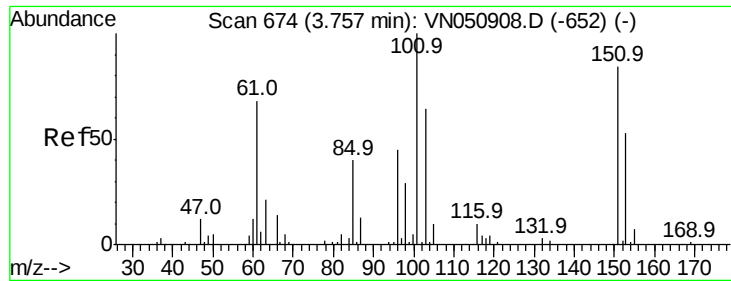


#8

Diethyl Ether
 Concen: 18.049 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 74 Resp: 66046
 Ion Ratio Lower Upper
 74 100
 45 92.4 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.440 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

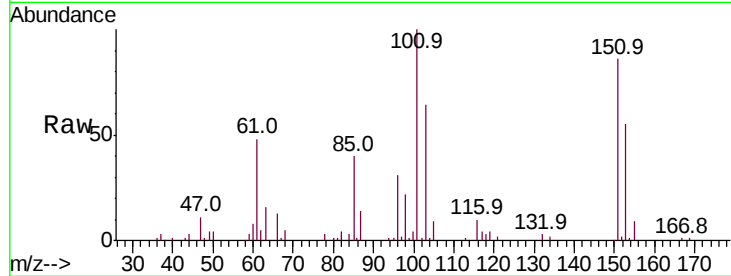
Tot Ion:101 Resp: 118521

Ion Ratio Lower Upper

101 100

85 41.3 0.0 83.6

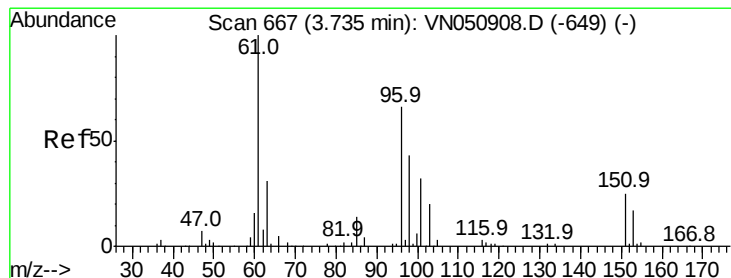
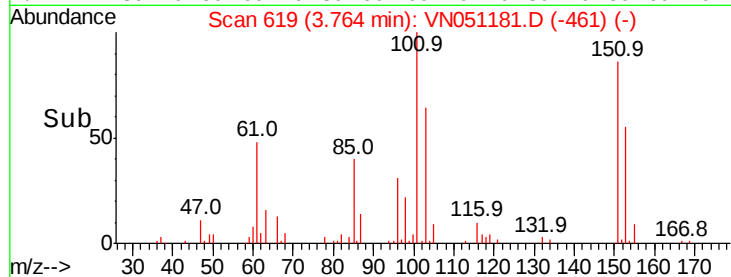
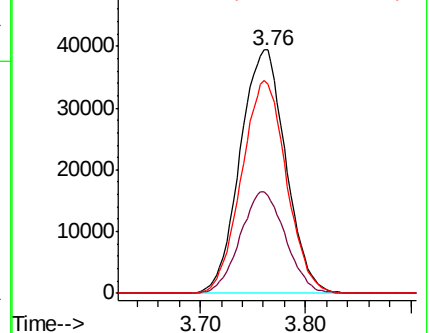
151 85.9 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.995 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

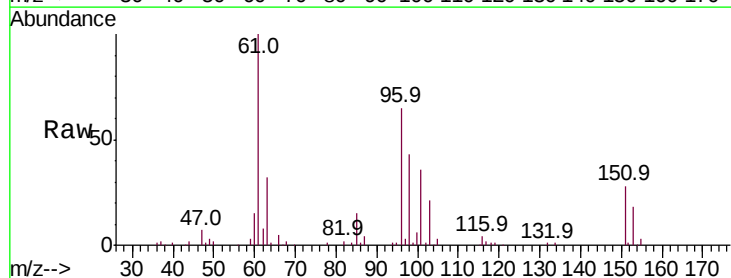
Tgt Ion: 96 Resp: 105061

Ion Ratio Lower Upper

96 100

61 152.4 121.8 182.8

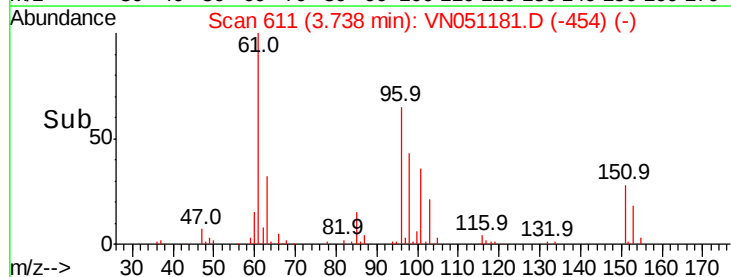
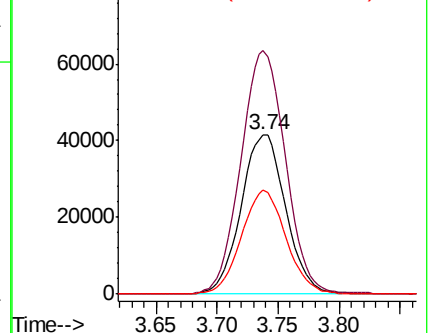
98 64.9 52.3 78.5

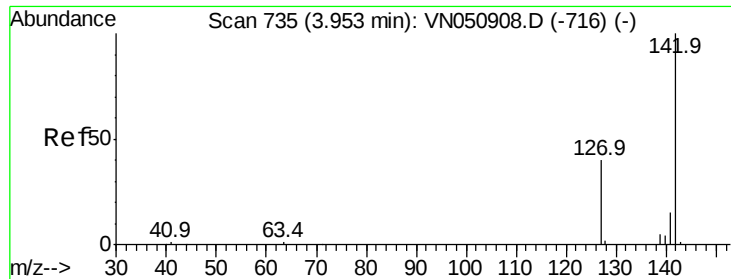


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

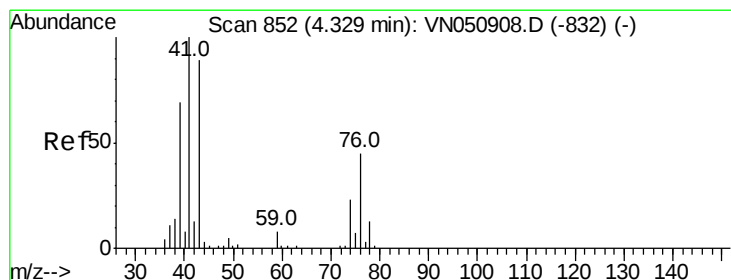
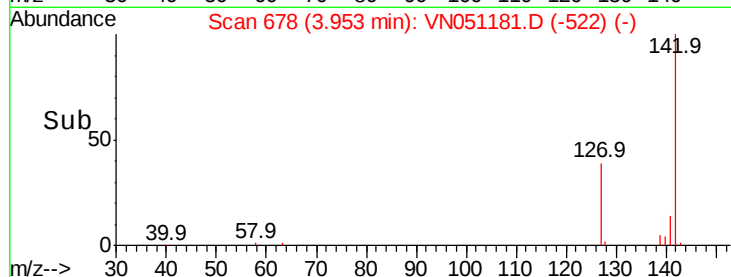
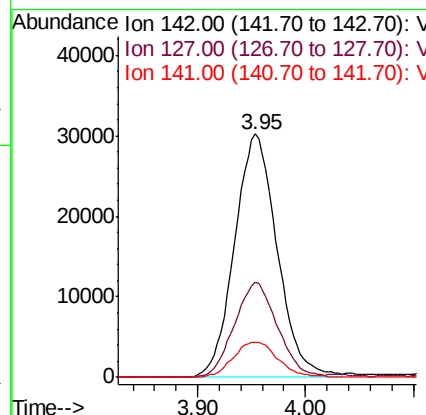
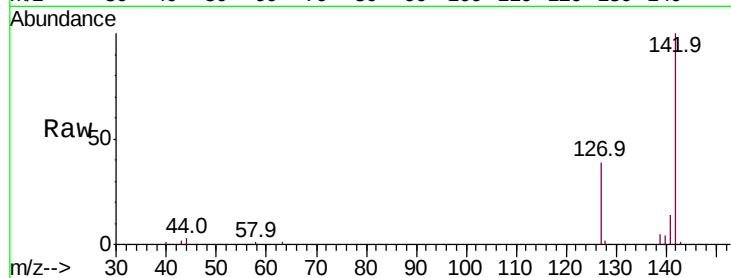




#11
Methvl Iodide
Concen: 15.266 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

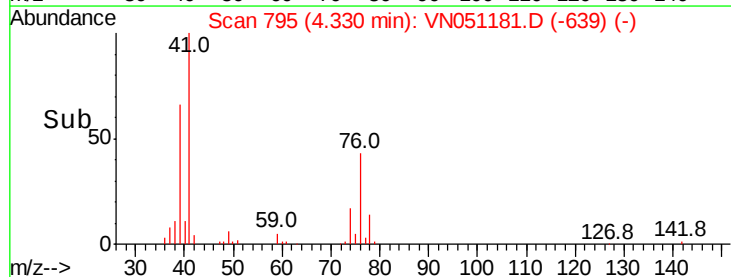
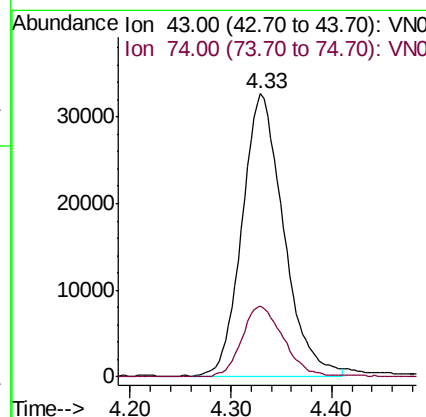
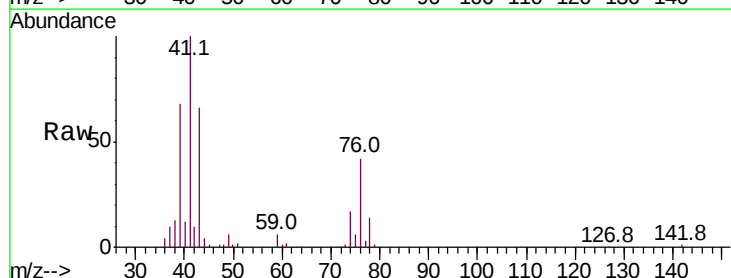
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

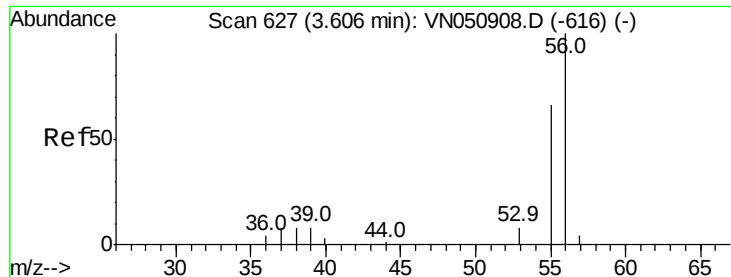
Tot Ion:142 Resp: 83162
Ion Ratio Lower Upper
142 100
127 38.6 19.7 59.1
141 14.5 7.3 22.0



#12
Methyl Acetate
Concen: 13.875 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 43 Resp: 93674
Ion Ratio Lower Upper
43 100
74 24.9 20.6 31.0





#13

Acrolein

Concen: 205.259 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

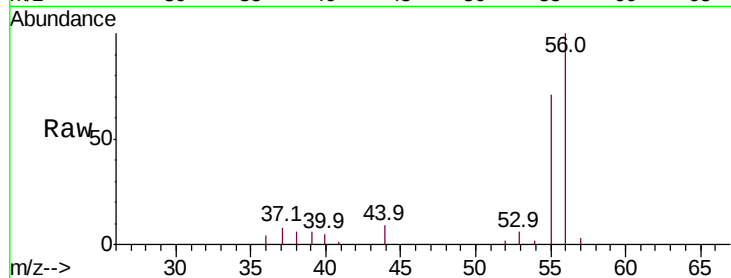
VN0914WBSD01

Tot Ion: 56 Resp: 30685

Ion Ratio Lower Upper

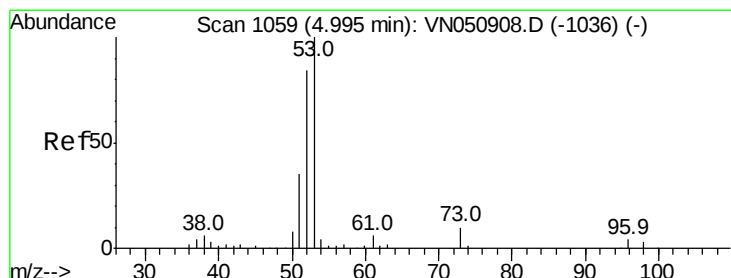
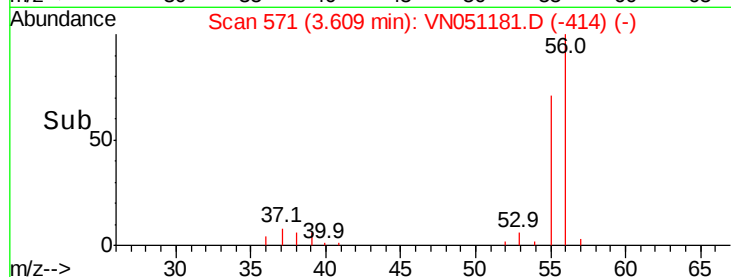
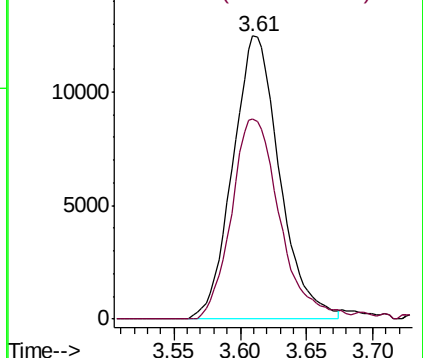
56 100

55 72.0 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 81.550 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

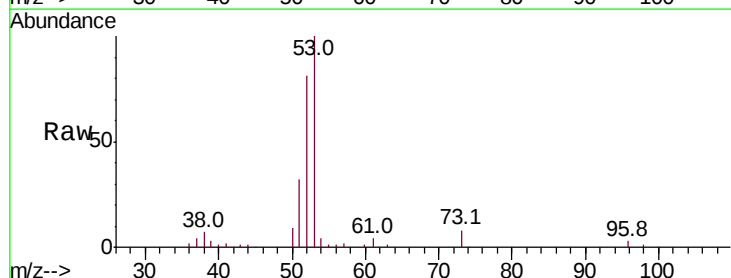
Tgt Ion: 53 Resp: 186148

Ion Ratio Lower Upper

53 100

52 79.7 42.2 126.6

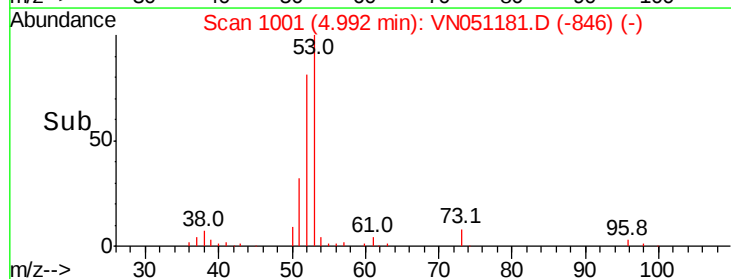
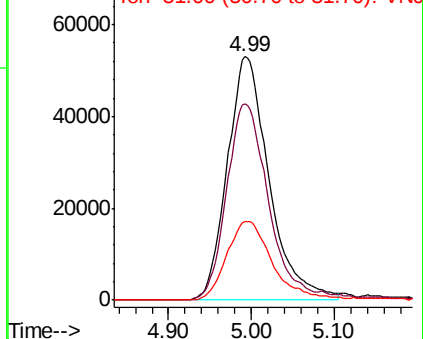
51 35.0 17.7 53.1

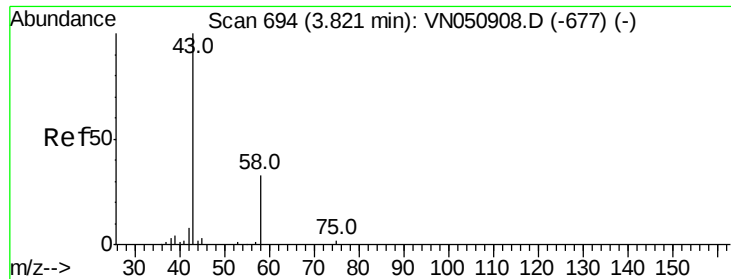


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 78.907 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

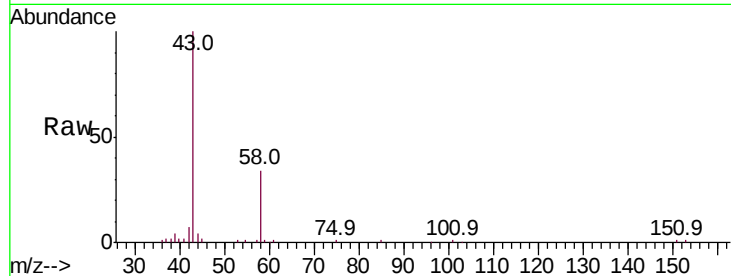
VN0914WBSD01

Tot Ion: 58 Resp: 46090

Ion Ratio Lower Upper

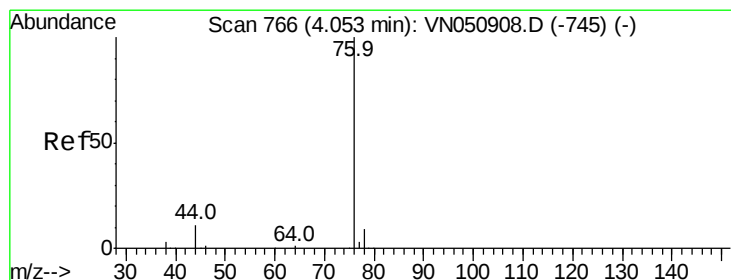
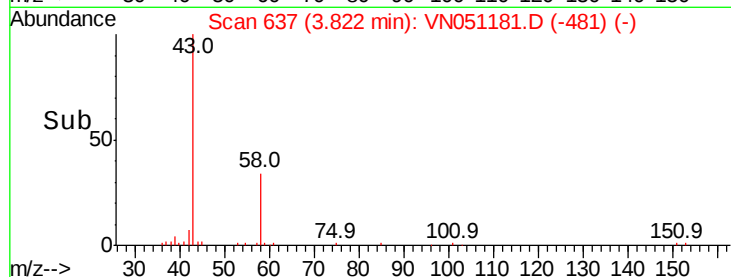
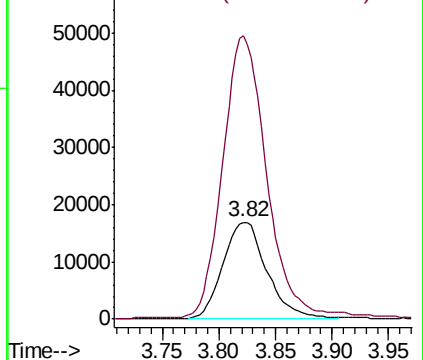
58 100

43 287.0 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.267 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051181.D

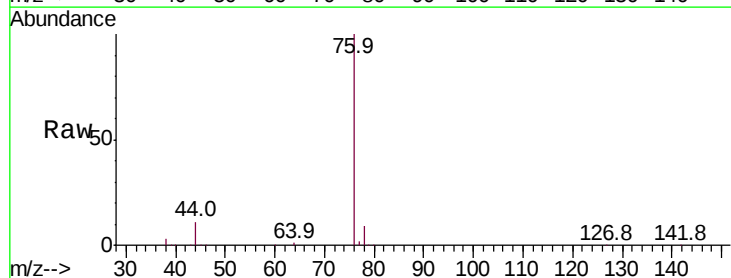
Acq: 14 Sep 2018 11:30

Tgt Ion: 76 Resp: 303130

Ion Ratio Lower Upper

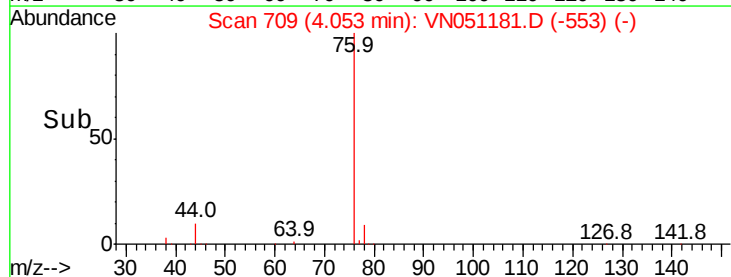
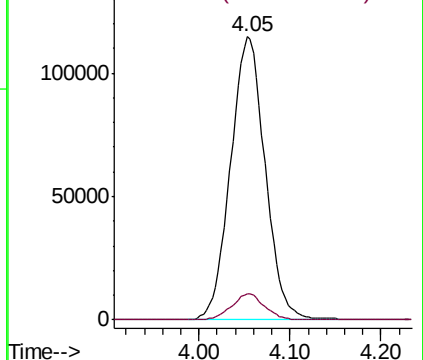
76 100

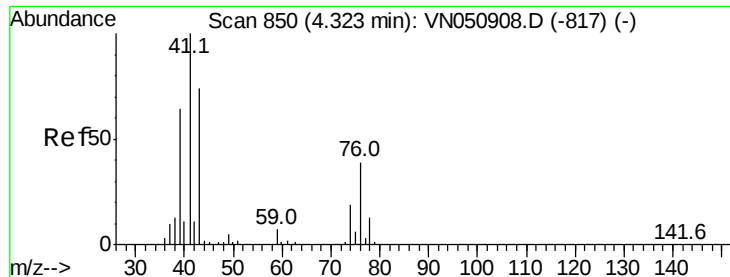
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

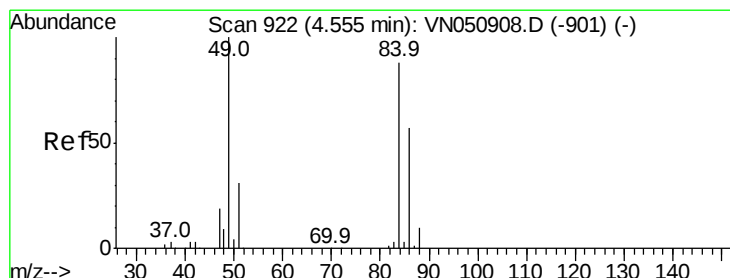
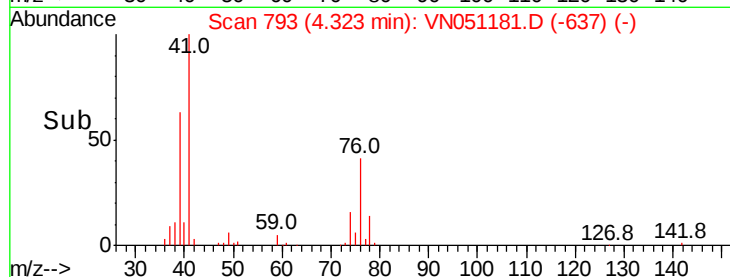
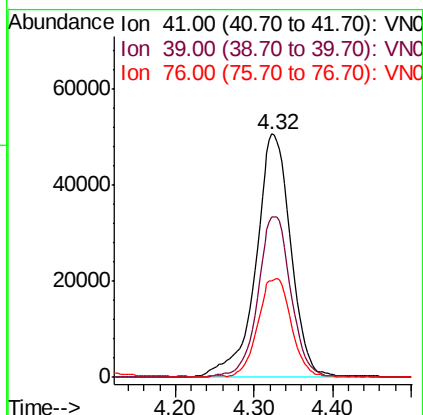
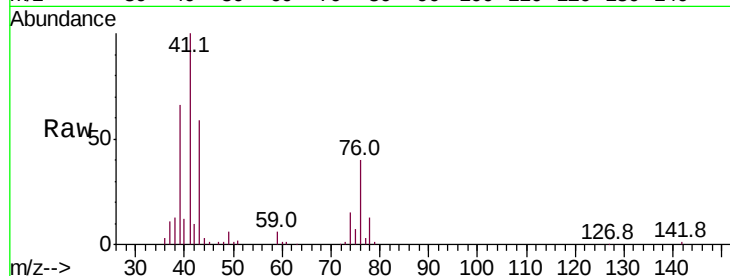




#17
Allvl chloride
Concen: 17.219 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

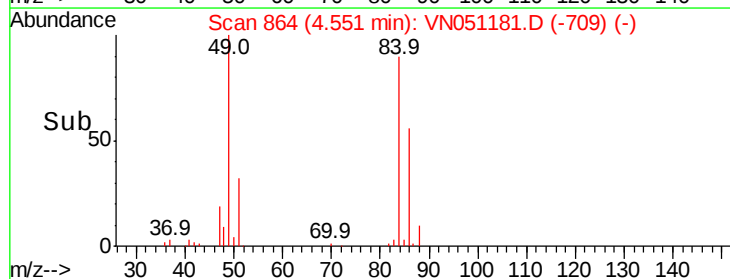
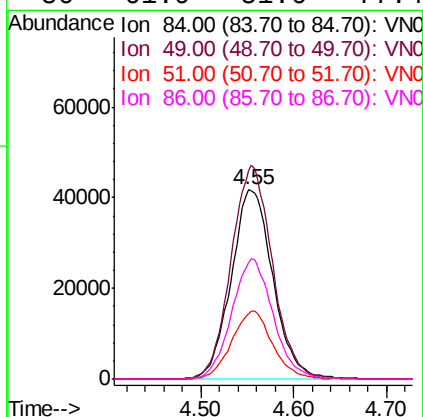
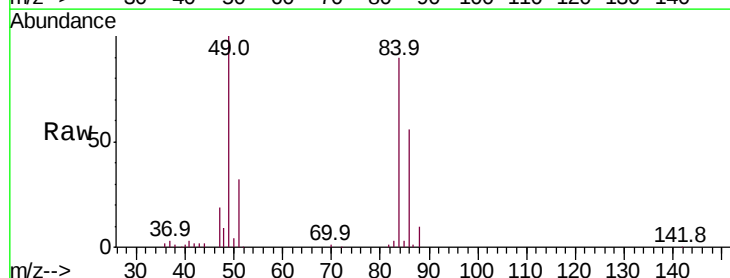
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

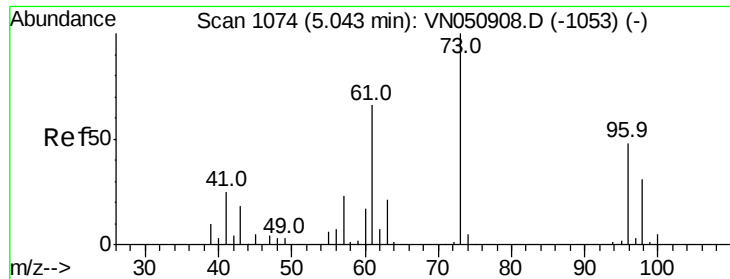
Tot Ion: 41 Resp: 158186
Ion Ratio Lower Upper
41 100
39 65.7 32.2 96.6
76 39.3 19.6 58.7



#18
Methylene Chloride
Concen: 19.004 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 84 Resp: 130235
Ion Ratio Lower Upper
84 100
49 110.2 90.6 135.8
51 34.9 28.4 42.6
86 61.9 51.6 77.4





#19

trans-1,2-Dichloroethene

Concen: 18.613 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

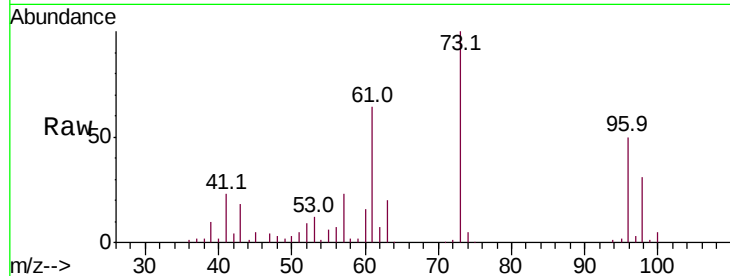
Tot Ion: 96 Resp: 115786

Ion Ratio Lower Upper

96 100

61 129.6 109.5 164.3

98 62.8 51.9 77.9

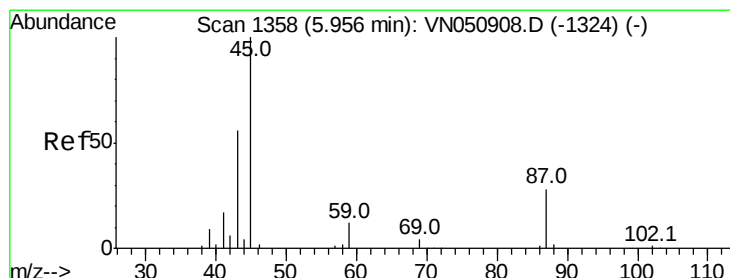
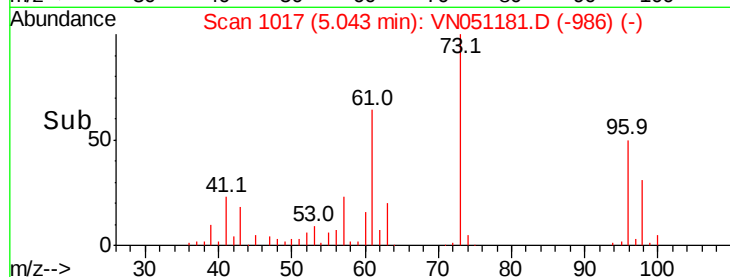
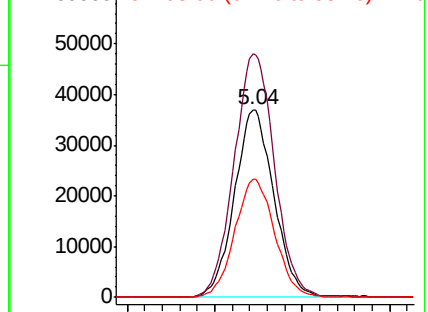


Abundance

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: 18.779 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion: 45 Resp: 358094

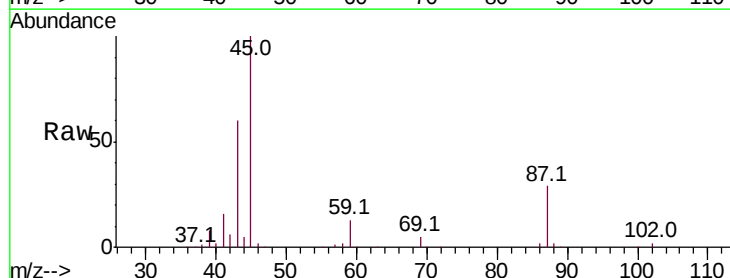
Ion Ratio Lower Upper

45 100

43 57.4 47.0 70.6

87 29.3 22.8 34.2

59 12.1 9.5 14.3



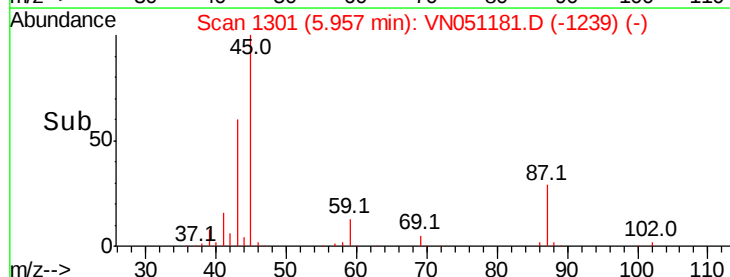
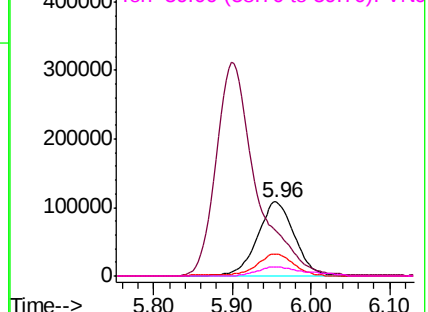
Abundance

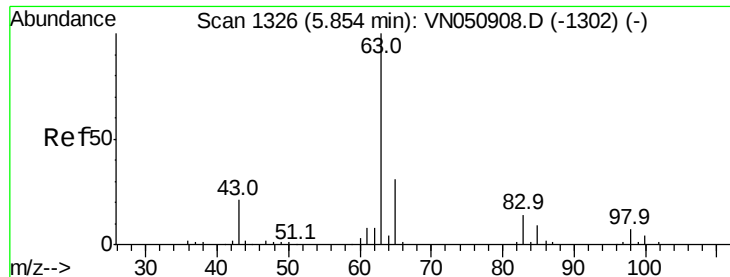
Ion 45.00 (44.70 to 45.70): VN0

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: 18.897 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

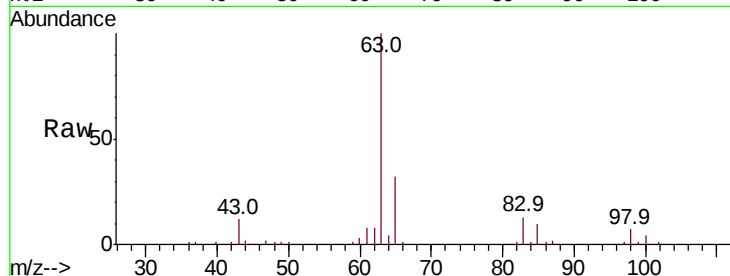
Tot Ion: 63 Resp: 220942

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

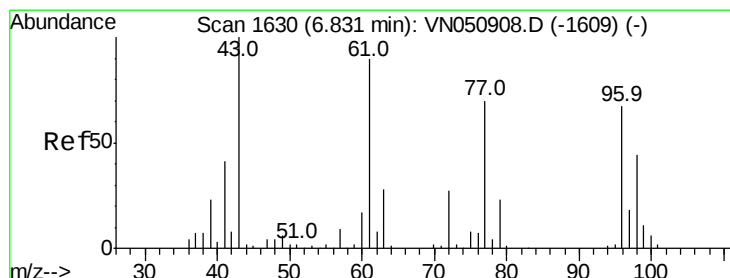
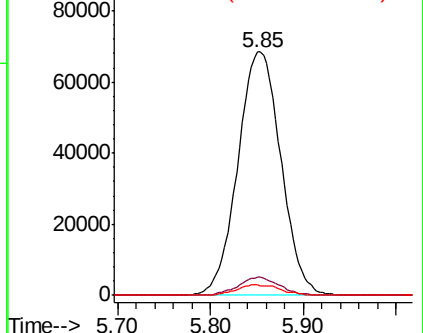
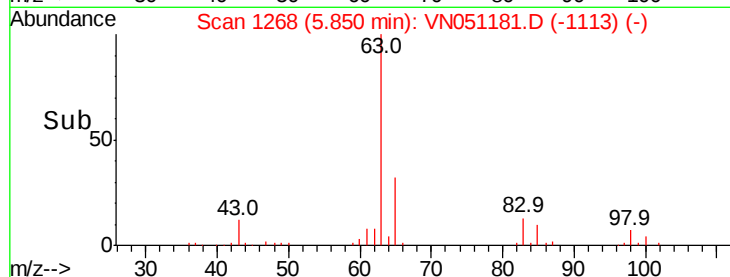
100 4.2 2.0 6.0



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: 18.530 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

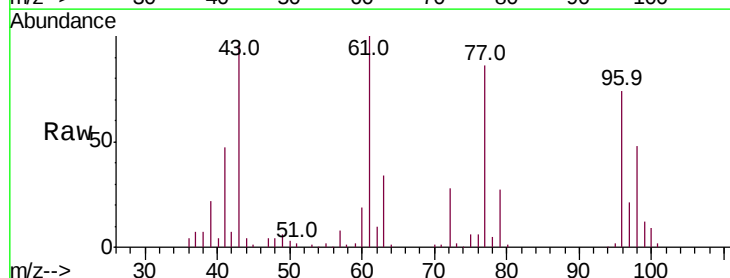
Tgt Ion: 96 Resp: 130208

Ion Ratio Lower Upper

96 100

61 139.4 110.0 165.0

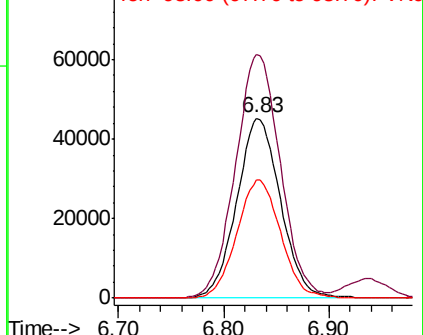
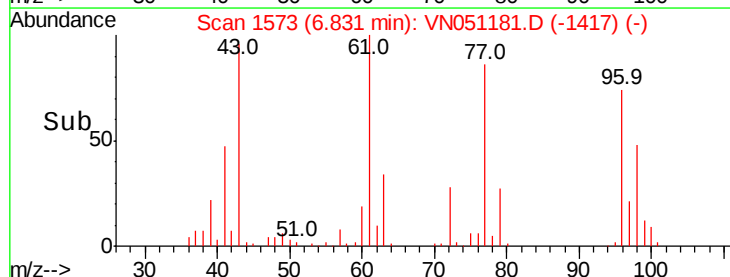
98 66.0 51.7 77.5

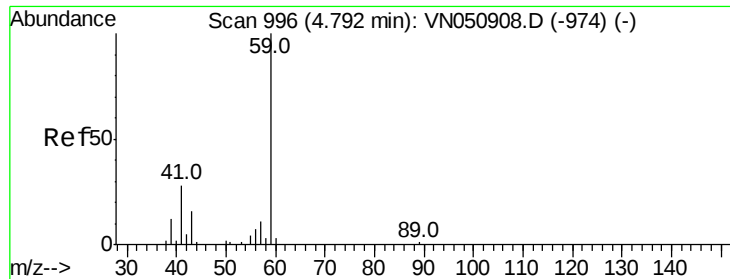


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 74.785 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

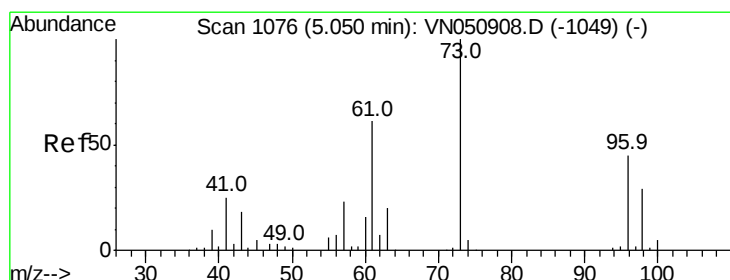
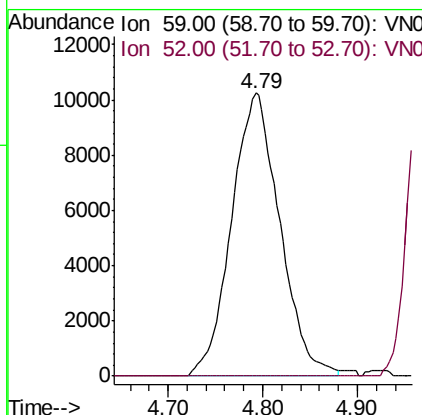
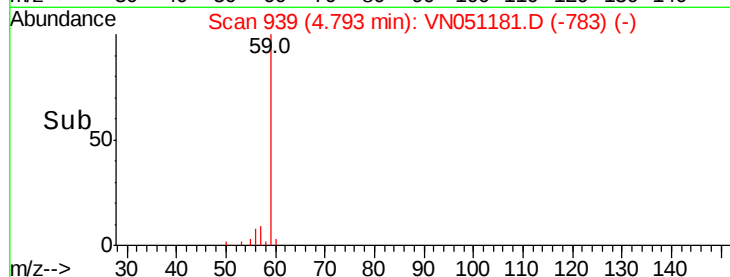
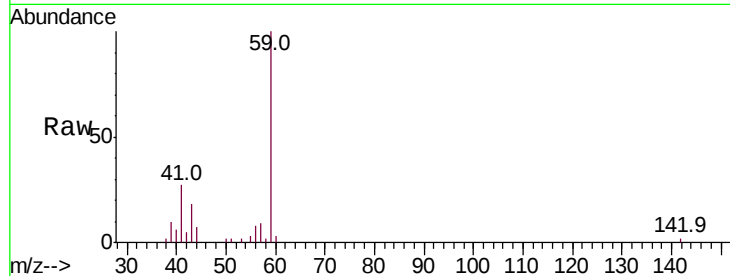
Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion: 59 Resp: 36304

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#



#24

Methyl tert-Butyl Ether

Concen: 17.823 ug/l

RT: 5.05 min Scan# 1019

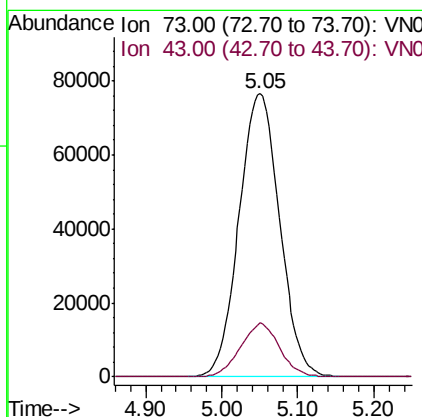
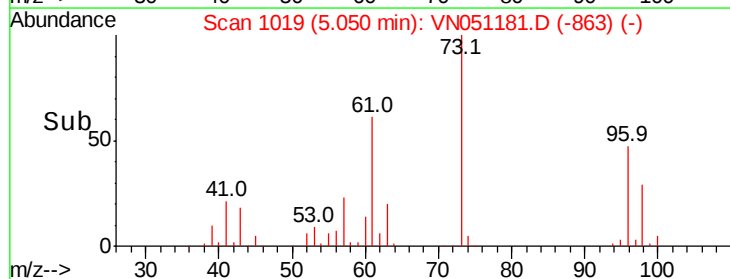
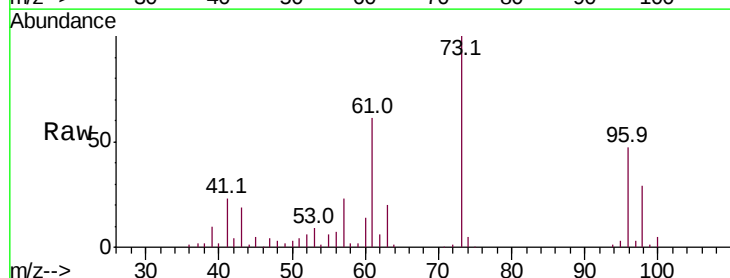
Delta R.T. 0.00 min

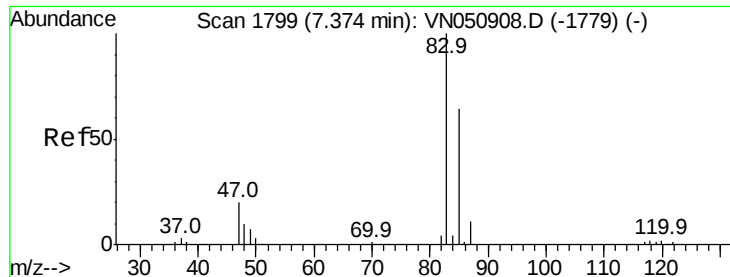
Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Tgt Ion: 73 Resp: 284606

Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.4	21.6

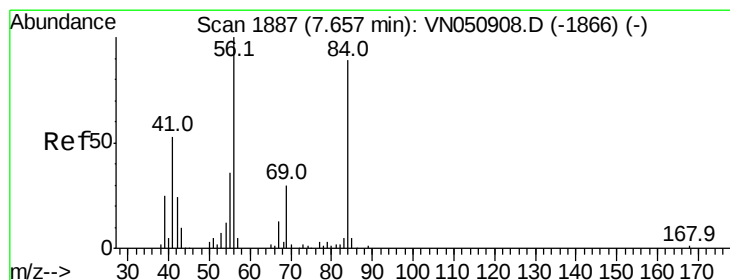
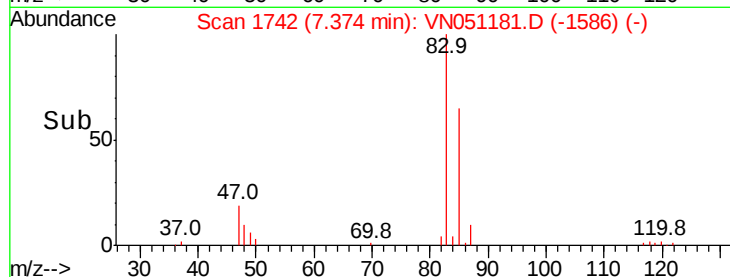
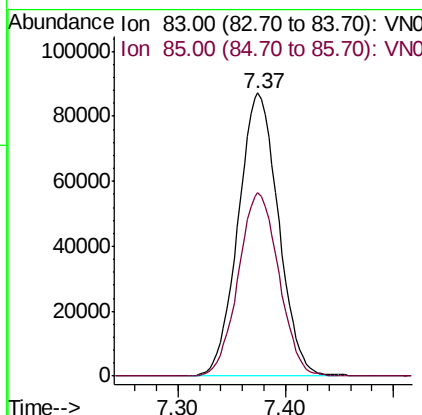
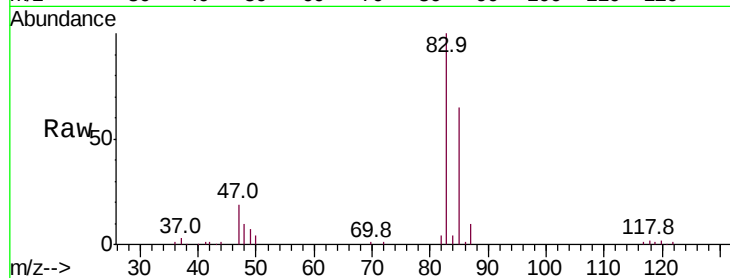




#25
Chloroform
Concen: 19.401 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

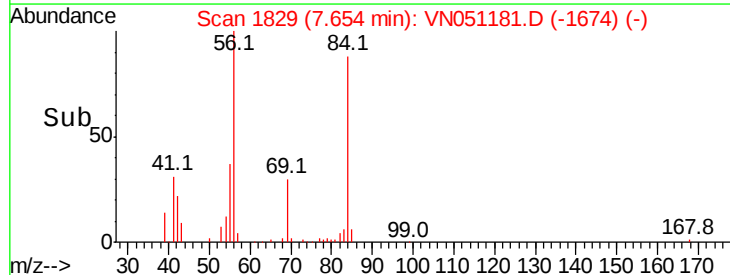
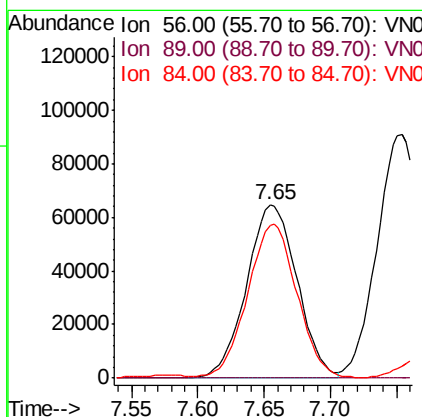
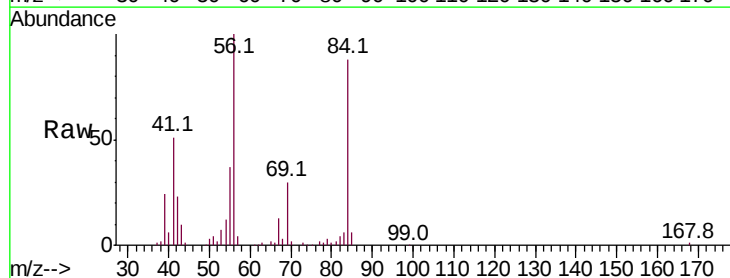
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

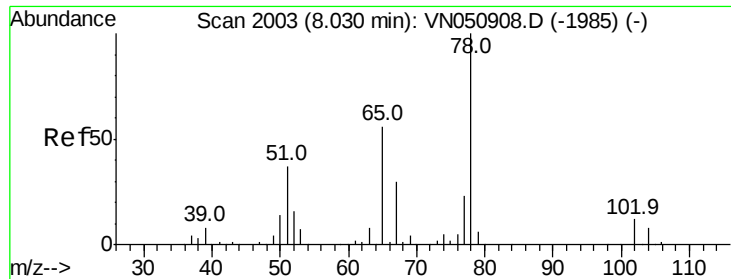
Tot Ion: 83 Resp: 226395
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.0



#26
Cyclohexane
Concen: 17.777 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 56 Resp: 172199
Ion Ratio Lower Upper
56 100
89 0.1 0.4 0.6#
84 87.0 70.4 105.6

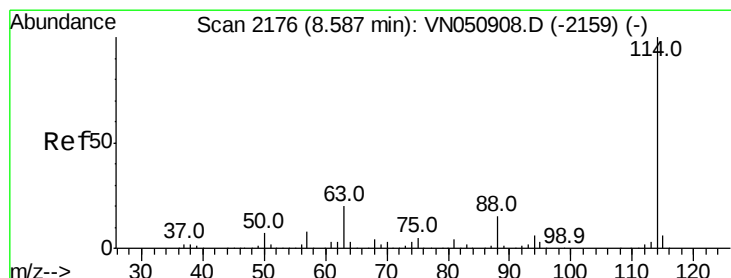
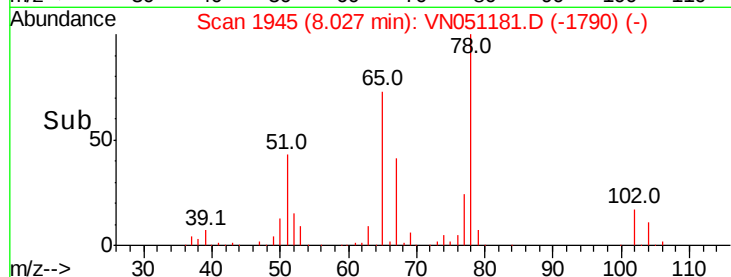
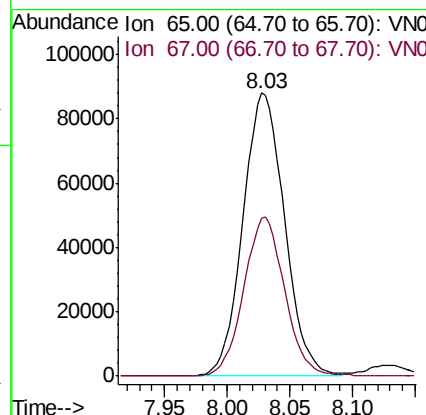
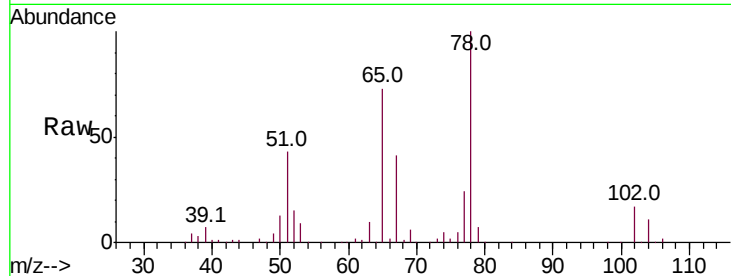




#27
 1,2-Dichloroethane-d4
 Concen: 29.527 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

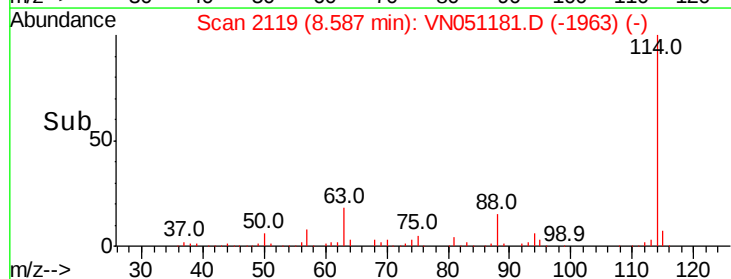
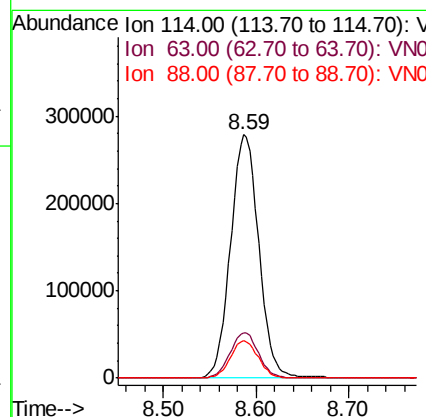
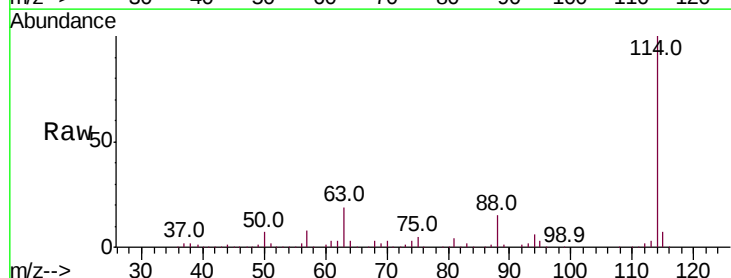
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

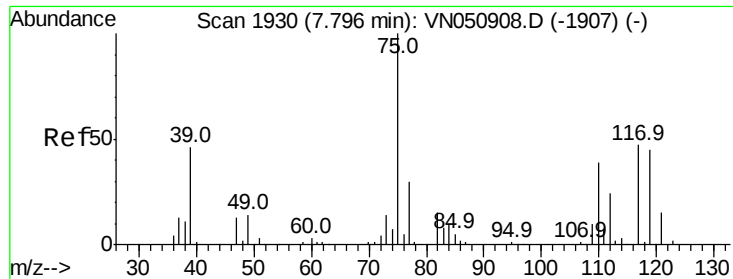
Tot Ion: 65 Resp: 203591
 Ion Ratio Lower Upper
 65 100
 67 55.3 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion:114 Resp: 589474
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.6 23.4
 88 15.1 12.2 18.4





#29

1,1-Dichloropropene

Concen: 18.605 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

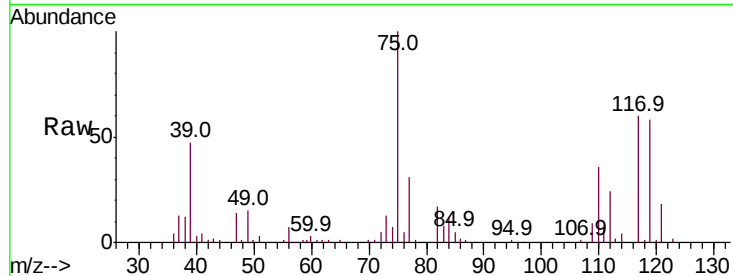
Tot Ion: 75 Resp: 164191

Ion Ratio Lower Upper

75 100

110 36.2 0.0 75.0

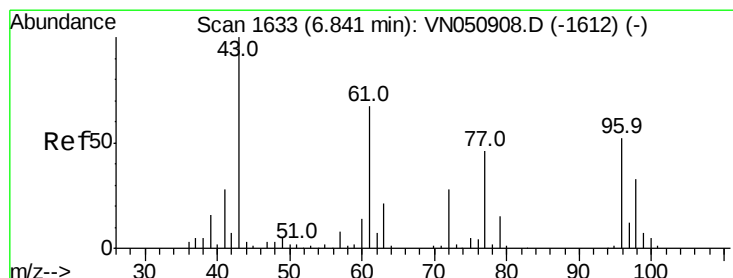
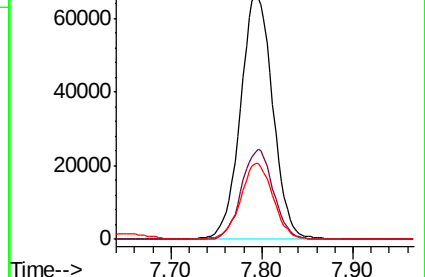
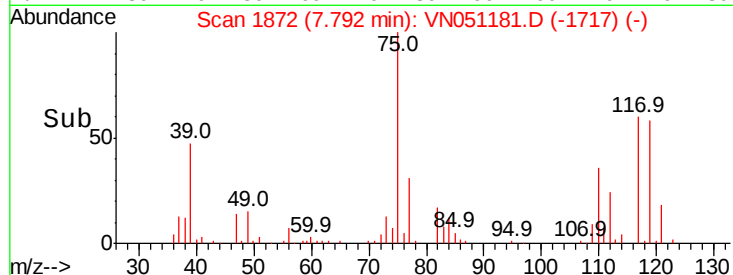
77 30.9 0.0 60.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 73.013 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

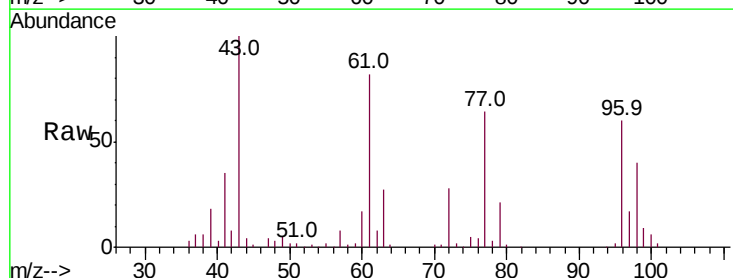
Tgt Ion: 43 Resp: 198218

Ion Ratio Lower Upper

43 100

57 8.5 6.9 10.3

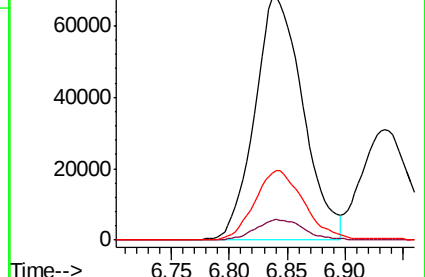
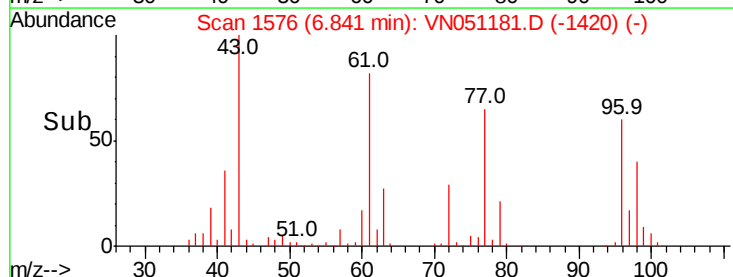
72 29.1 22.8 34.2

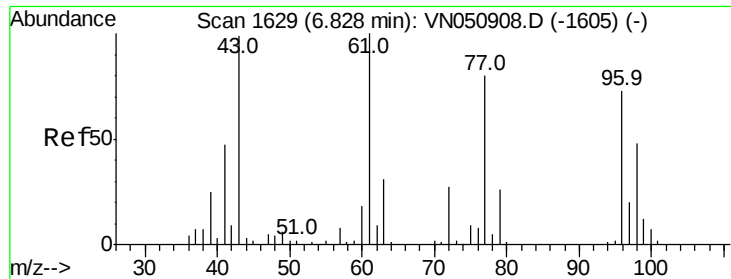


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 19.390 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

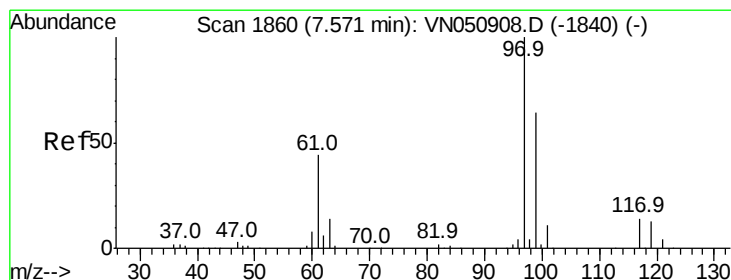
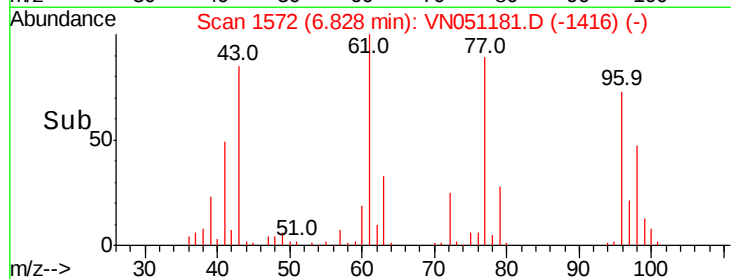
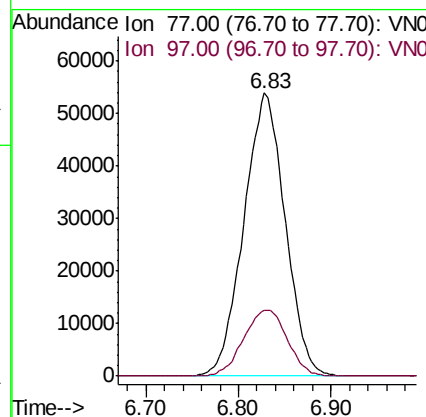
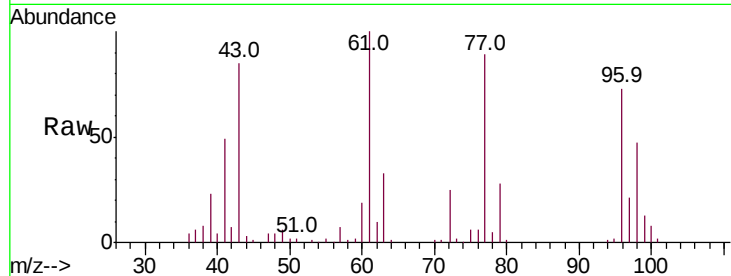
VN0914WBSD01

Tot Ion: 77 Resp: 166503

Ion Ratio Lower Upper

77 100

97 24.7 20.2 30.2



#32

1,1,1-Trichloroethane

Concen: 18.921 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

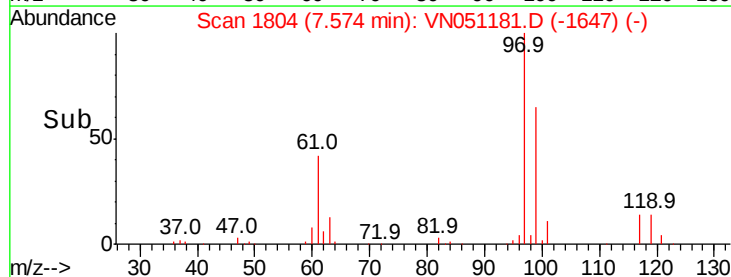
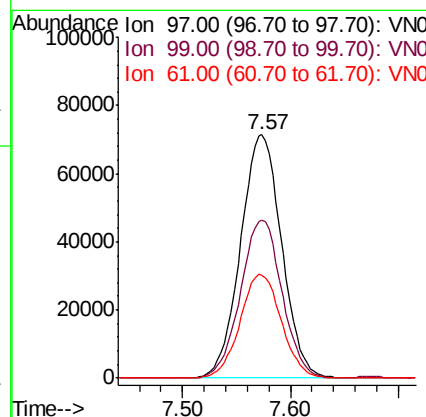
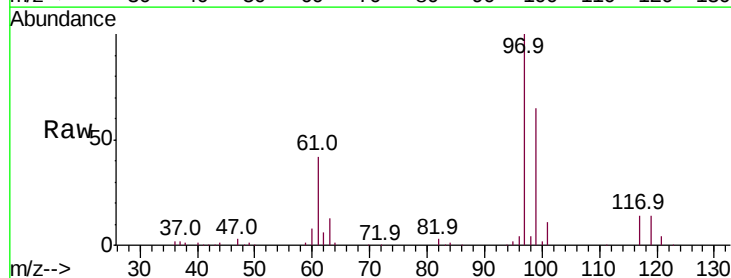
Tgt Ion: 97 Resp: 189349

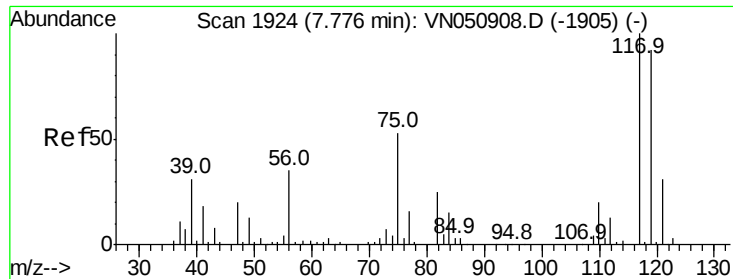
Ion Ratio Lower Upper

97 100

99 65.5 52.0 78.0

61 42.8 35.0 52.6

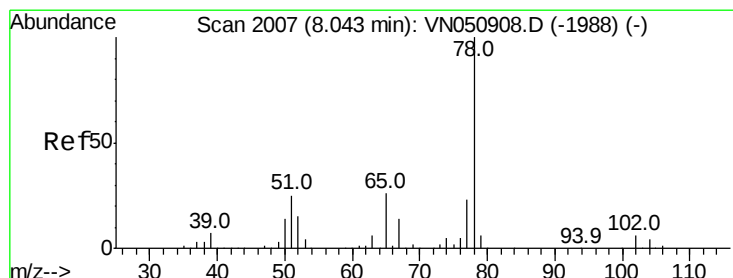
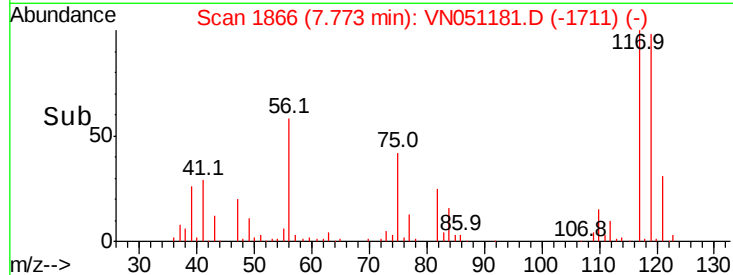
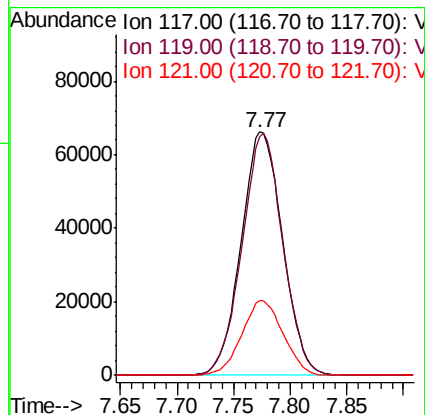
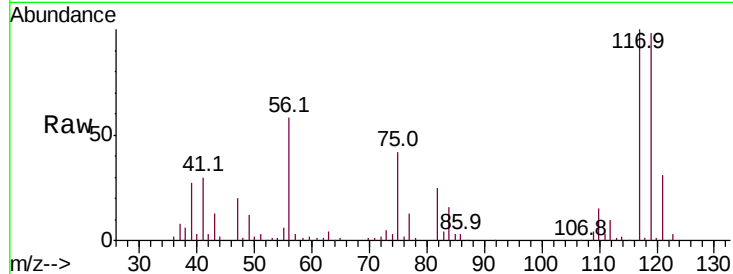




#33
Carbon Tetrachloride
Concen: 18.762 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

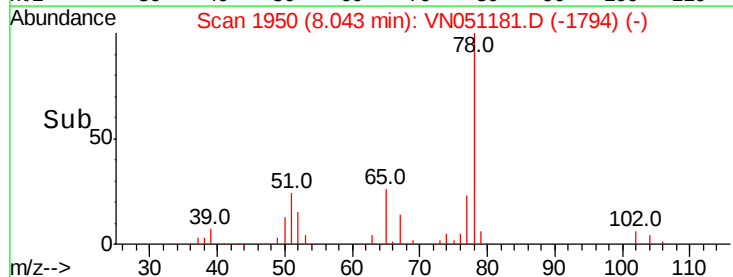
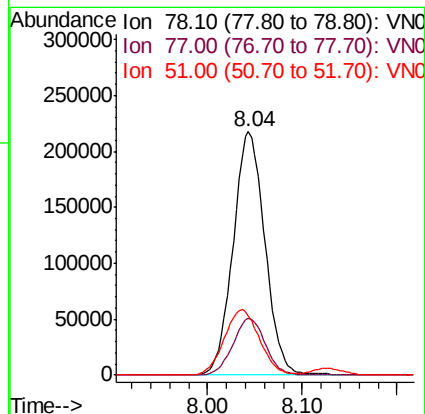
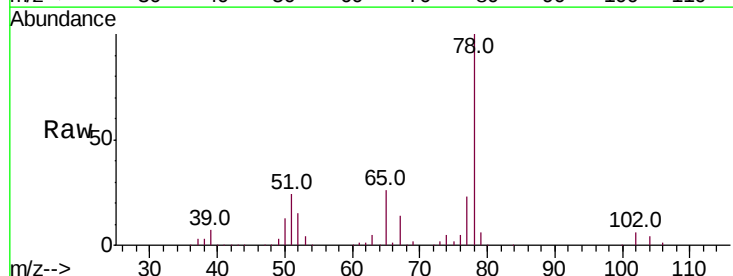
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

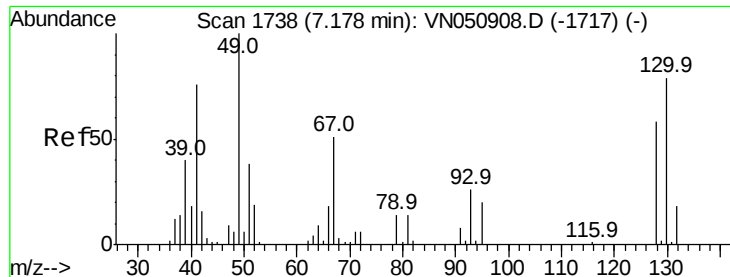
Tot Ion:117 Resp: 169089
Ion Ratio Lower Upper
117 100
119 97.9 73.5 110.3
121 30.9 24.6 37.0



#34
Benzene
Concen: 18.576 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 78 Resp: 507143
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0
51 24.2 20.0 30.0

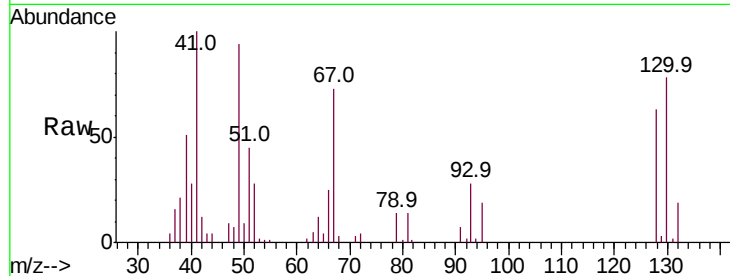




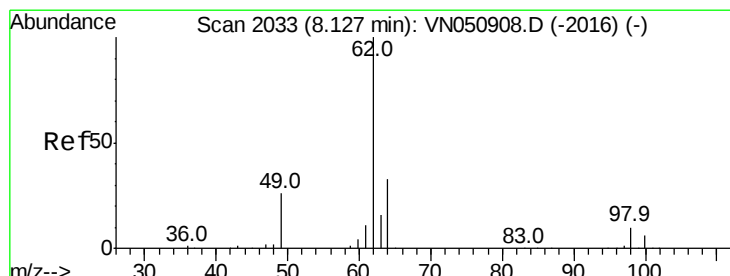
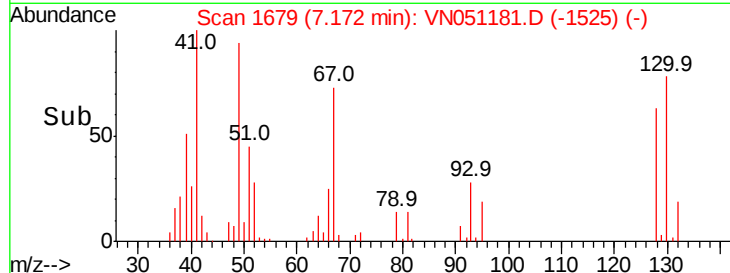
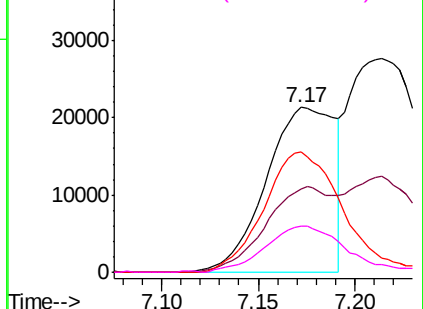
#35
Methacrylonitrile
Concen: 17.708 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

Tot Ion: 41 Resp: 52671
Ion Ratio Lower Upper
41 100
39 50.6 26.2 78.5
67 72.7 33.9 101.6
52 27.0 12.5 37.5

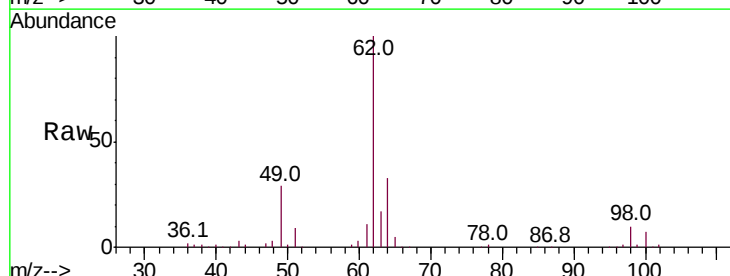


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

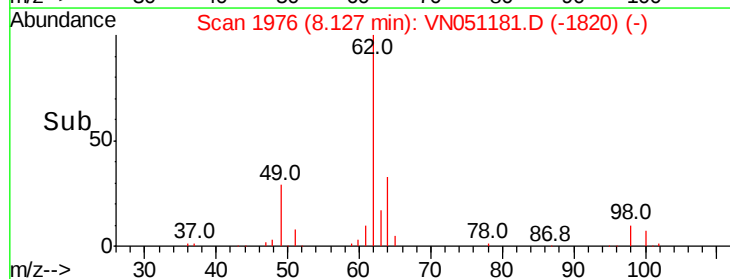
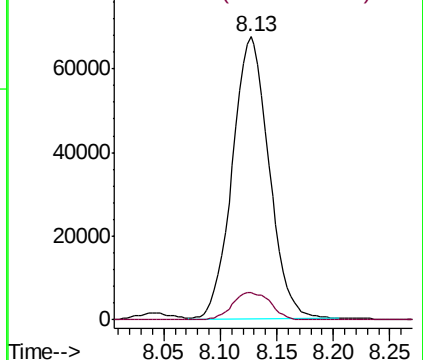


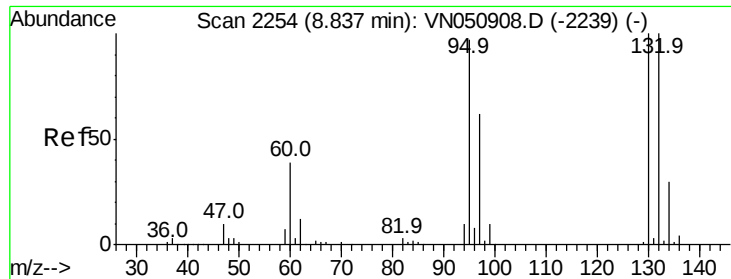
#36
1,2-Dichloroethane
Concen: 18.438 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 62 Resp: 152239
Ion Ratio Lower Upper
62 100
98 10.1 8.0 12.0



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

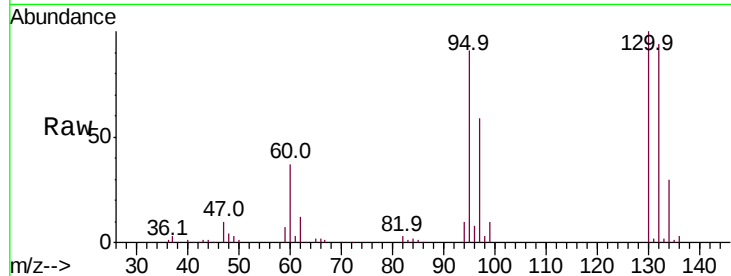




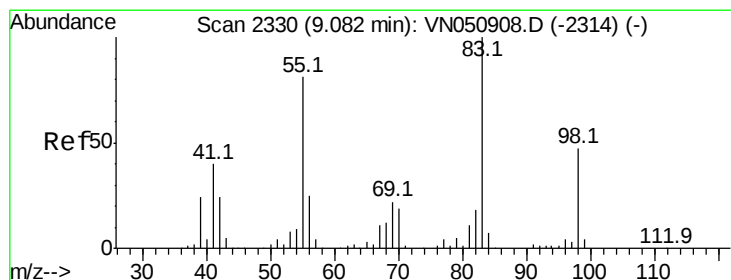
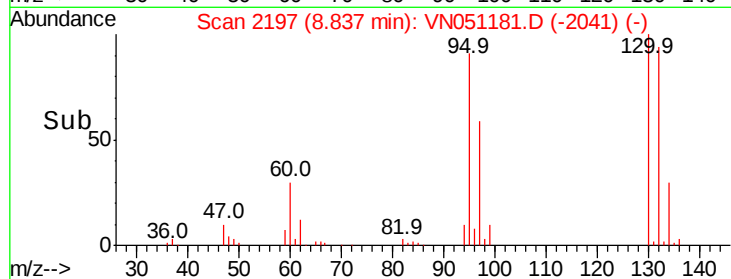
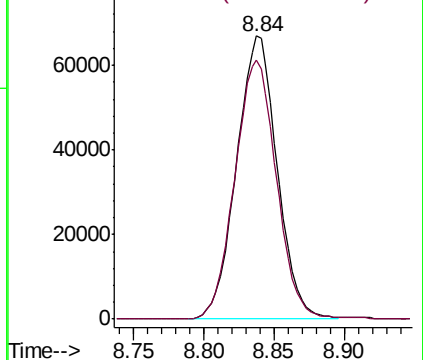
#37
 Trichloroethene
 Concen: 18.924 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion:130 Resp: 135032
 Ion Ratio Lower Upper
 130 100
 95 91.4 77.4 116.0

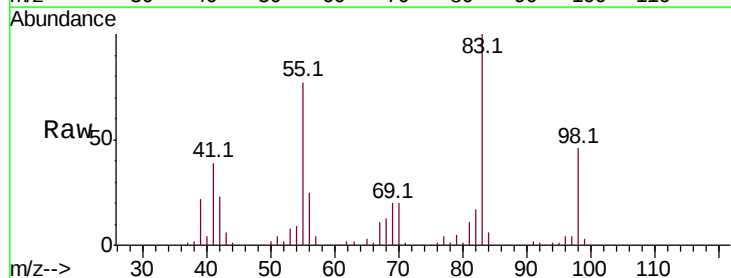


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

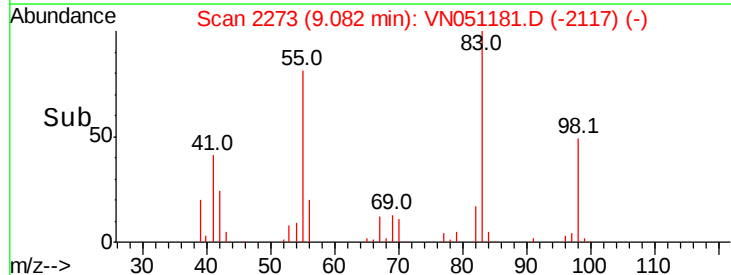
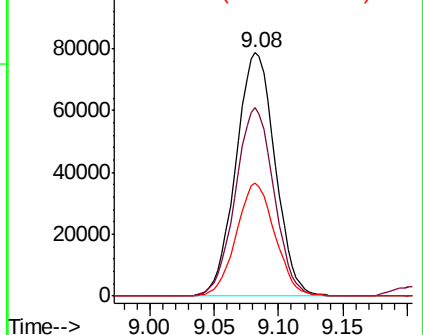


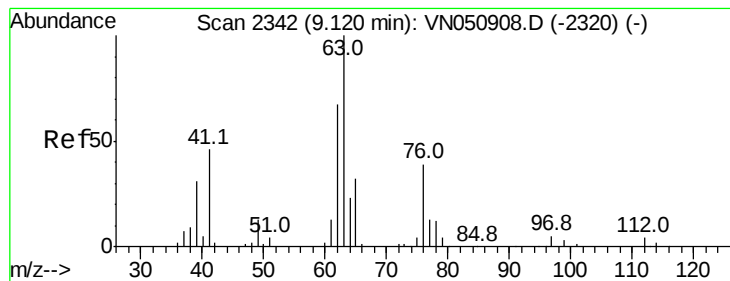
#38
 Methylcyclohexane
 Concen: 17.568 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 83 Resp: 166512
 Ion Ratio Lower Upper
 83 100
 55 76.4 38.9 116.7
 98 45.9 22.9 68.7



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





#39

1,2-Dichloropropane

Concen: 18.750 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

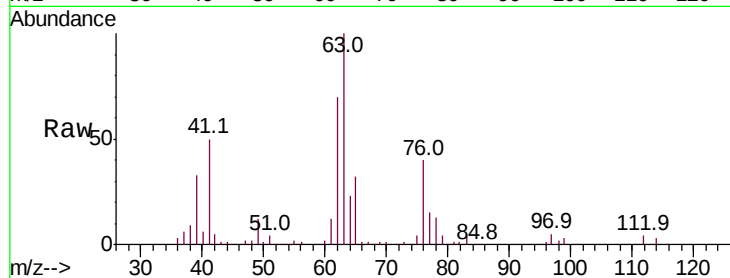
VN0914WBSD01

Tot Ion: 63 Resp: 133690

Ion Ratio Lower Upper

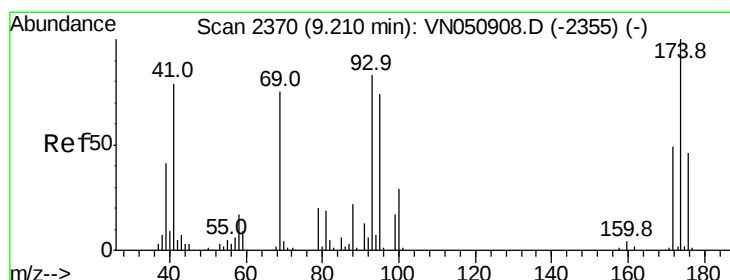
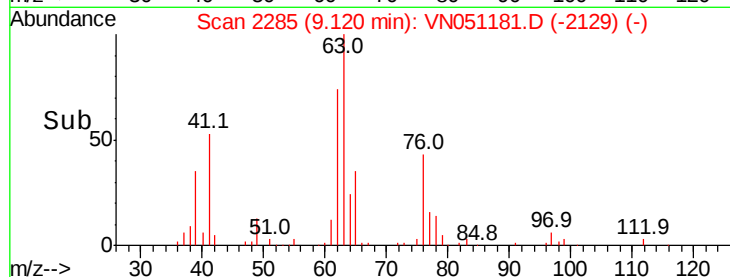
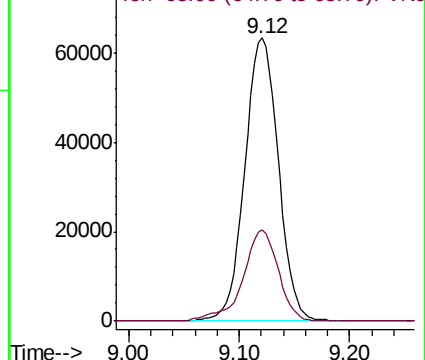
63 100

65 32.2 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: 17.949 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

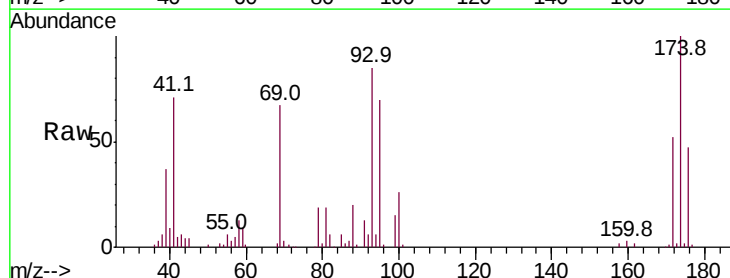
Tgt Ion: 93 Resp: 77095

Ion Ratio Lower Upper

93 100

95 85.8 0.0 173.4

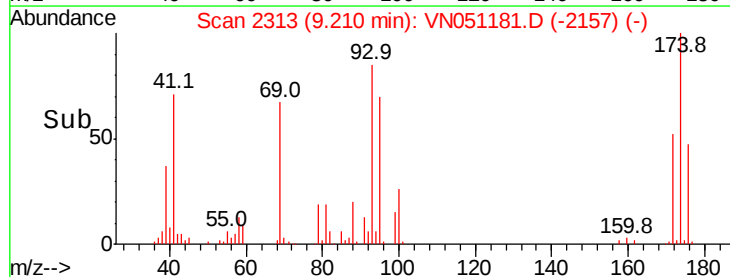
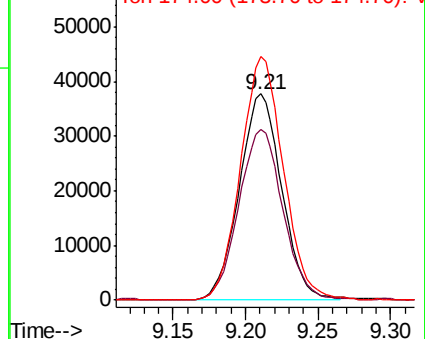
174 118.7 0.0 234.8

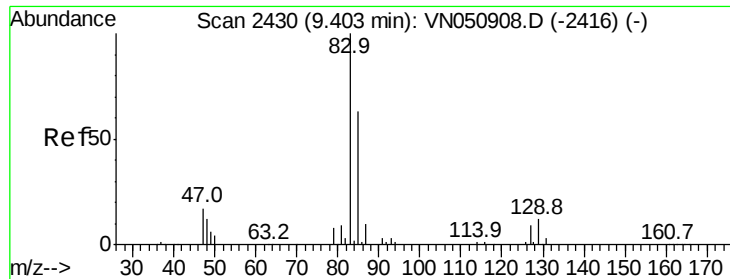


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.764 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

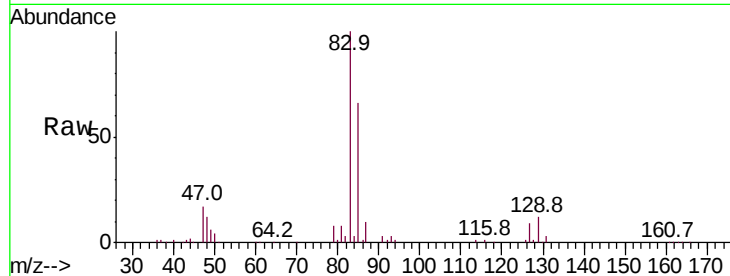
Tot Ion: 83 Resp: 169895

Ion Ratio Lower Upper

83 100

85 66.0 50.6 76.0

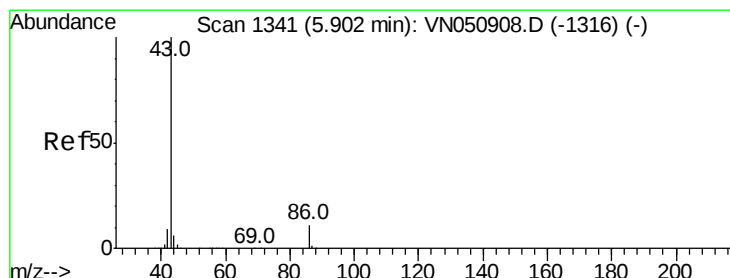
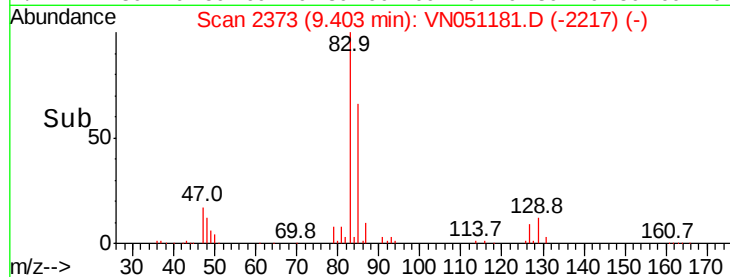
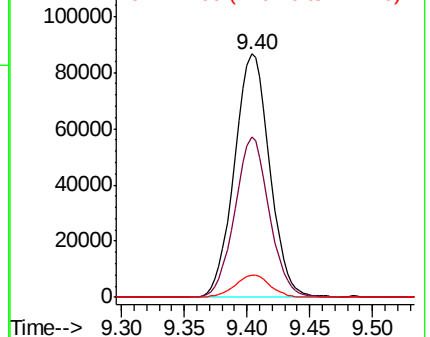
127 9.0 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051181.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051181.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051181.D (-2217) (-)



#42

Vinyl Acetate

Concen: 87.450 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051181.D

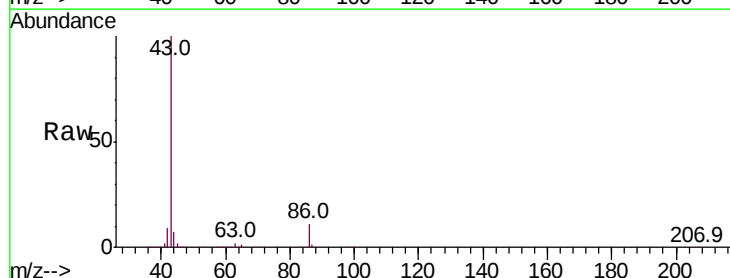
Acq: 14 Sep 2018 11:30

Tgt Ion: 43 Resp: 1093542

Ion Ratio Lower Upper

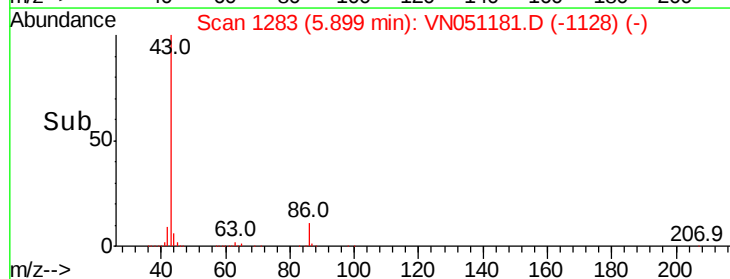
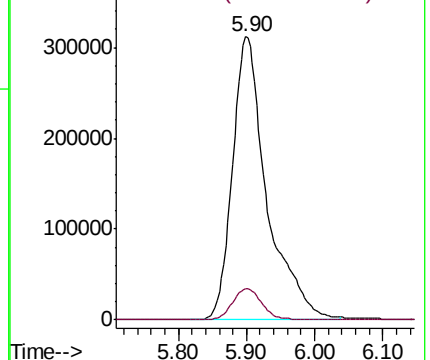
43 100

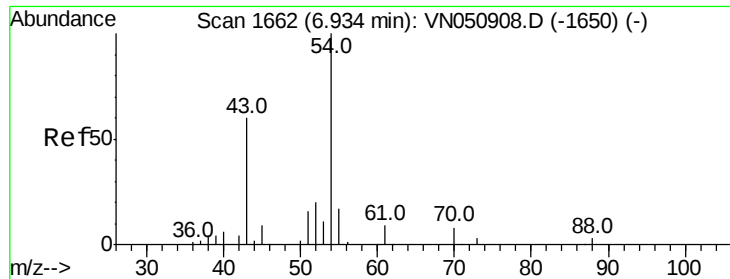
86 9.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051181.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051181.D (-1128) (-)





#43

Ethyl Acetate

Concen: 15.623 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

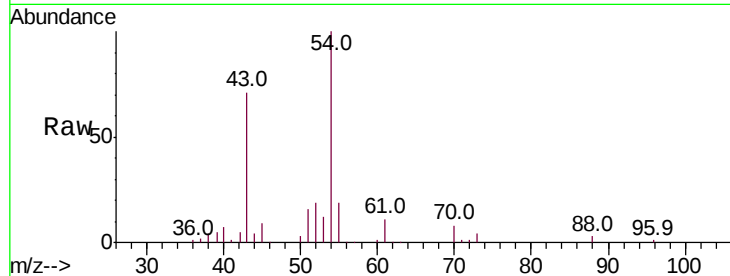
VN0914WBSD01

Tot Ion: 43 Resp: 86890

Ion Ratio Lower Upper

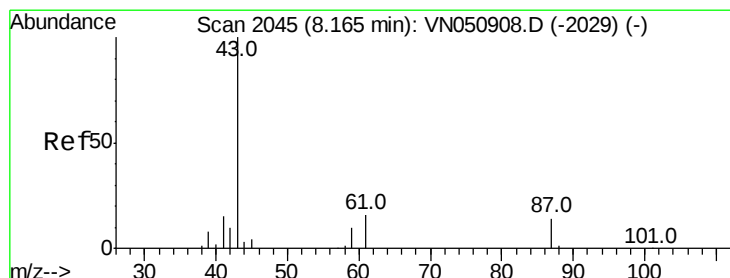
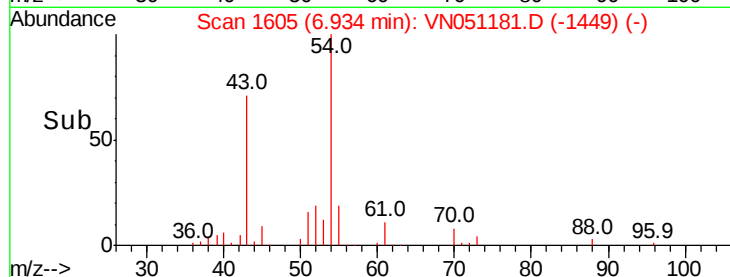
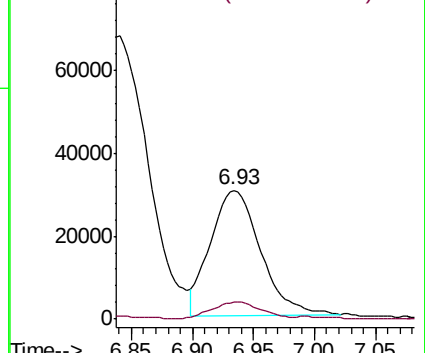
43 100

45 13.6 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 16.658 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051181.D

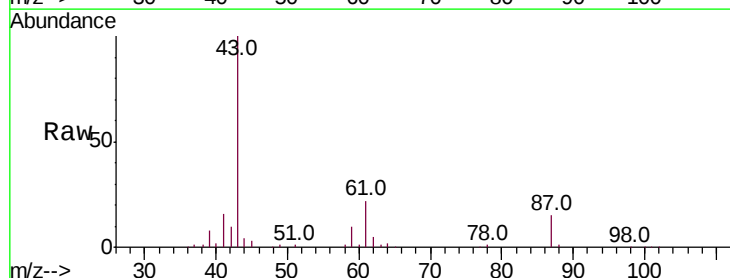
Acq: 14 Sep 2018 11:30

Tgt Ion: 43 Resp: 163480

Ion Ratio Lower Upper

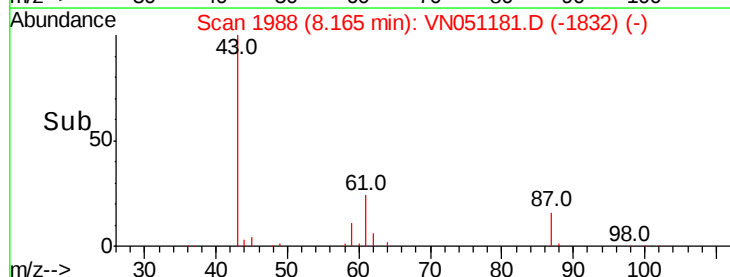
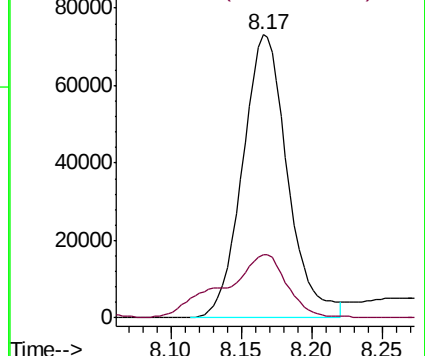
43 100

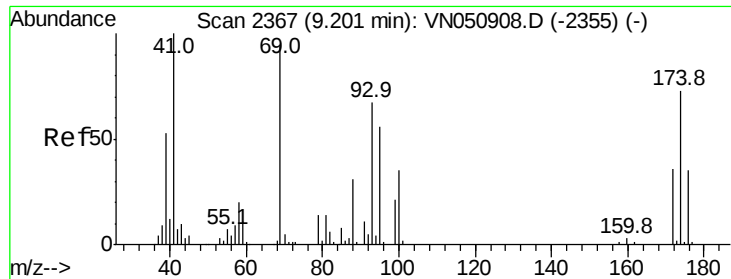
61 21.5 16.3 24.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

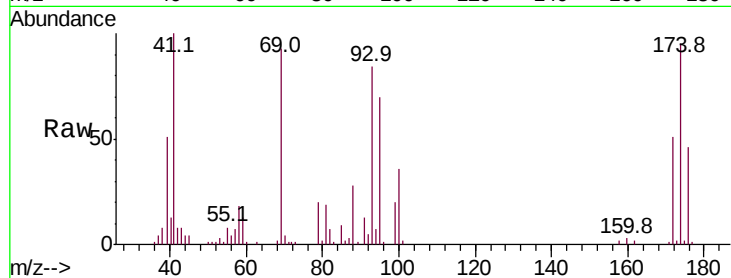




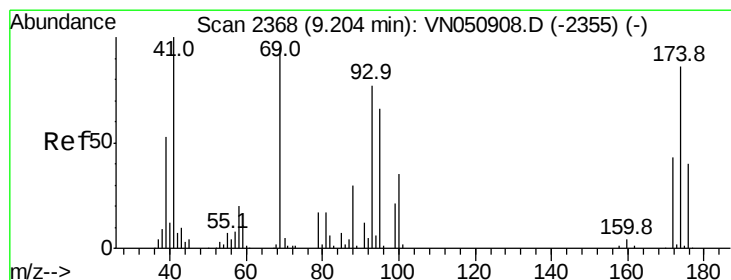
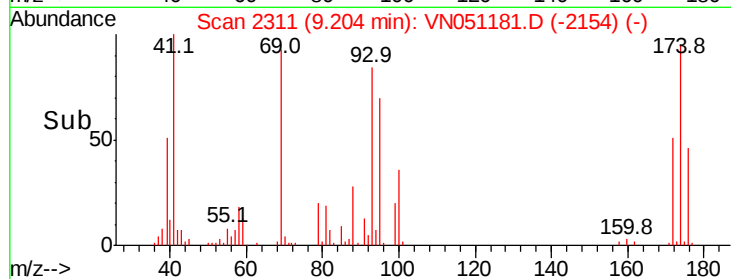
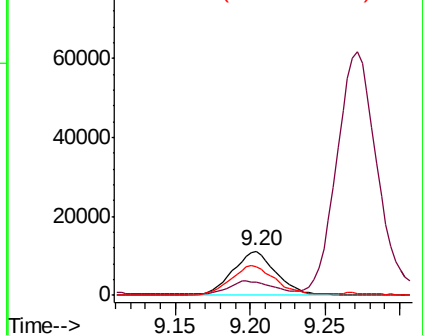
#45
 1,4-Dioxane
 Concen: 309.997 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

Tot Ion: 88 Resp: 22599
 Ion Ratio Lower Upper
 88 100
 43 30.7 23.5 35.3
 58 69.2 55.2 82.8

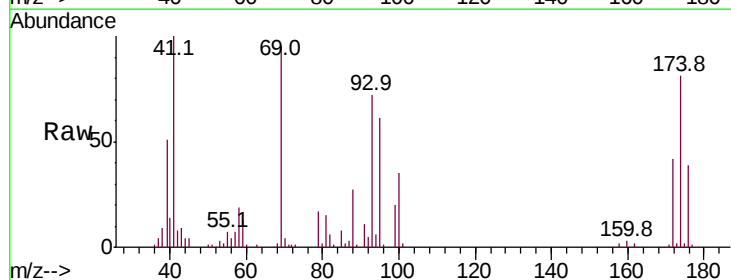


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

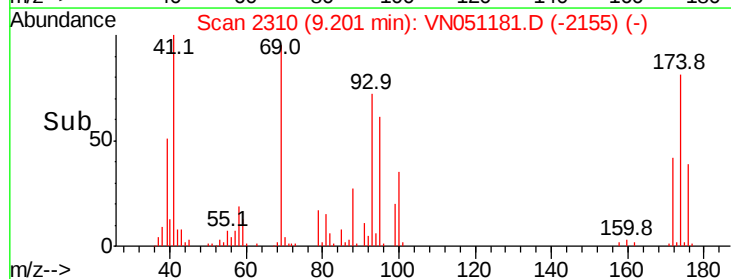
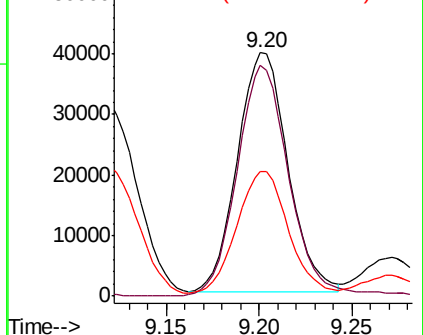


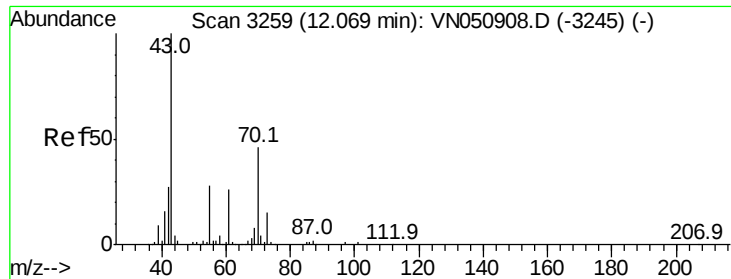
#46
 Methyl methacrylate
 Concen: 15.264 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 41 Resp: 75022
 Ion Ratio Lower Upper
 41 100
 69 95.9 47.4 142.2
 39 51.0 26.6 79.7



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

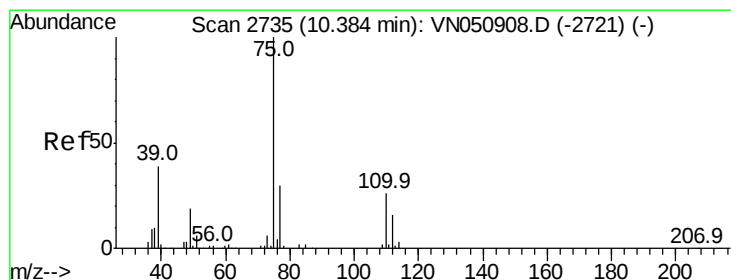
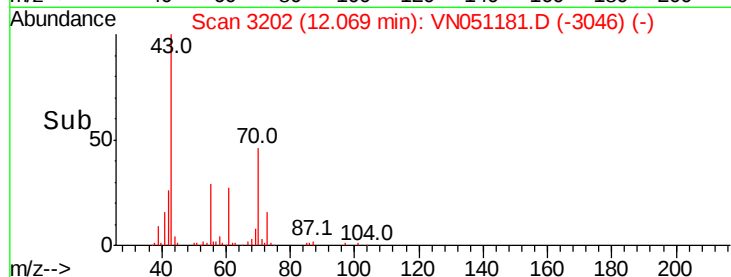
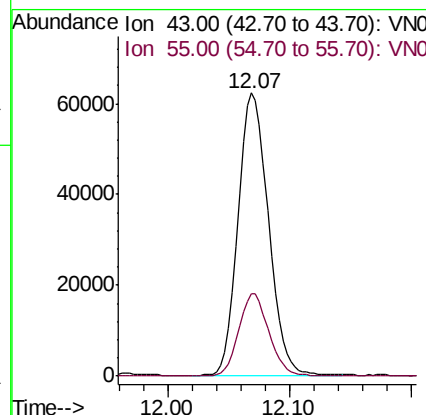
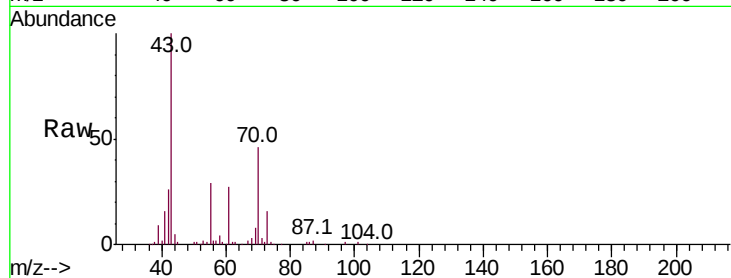




#47
n-amyl Acetate
Concen: 13.750 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

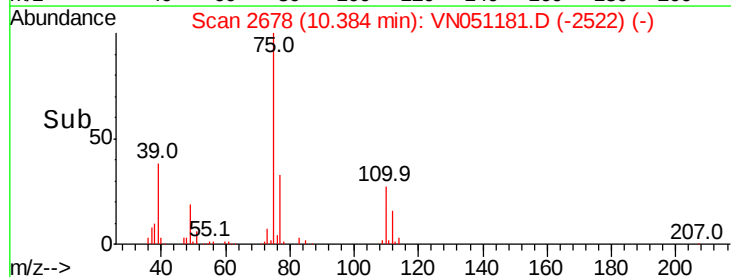
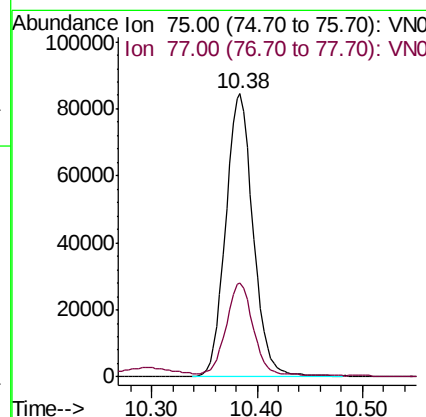
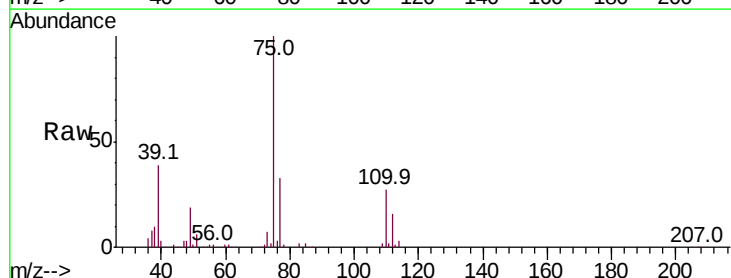
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

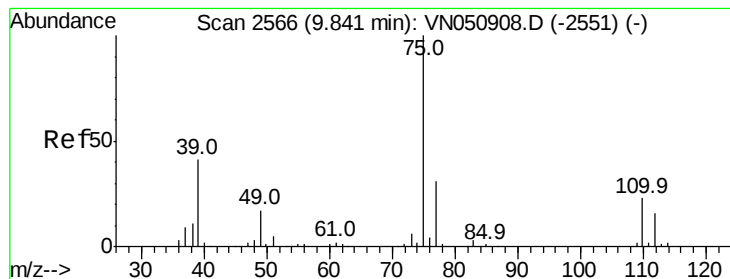
Tot Ion: 43 Resp: 108489
Ion Ratio Lower Upper
43 100
55 28.7 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 17.183 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 75 Resp: 152501
Ion Ratio Lower Upper
75 100
77 32.9 24.8 37.2



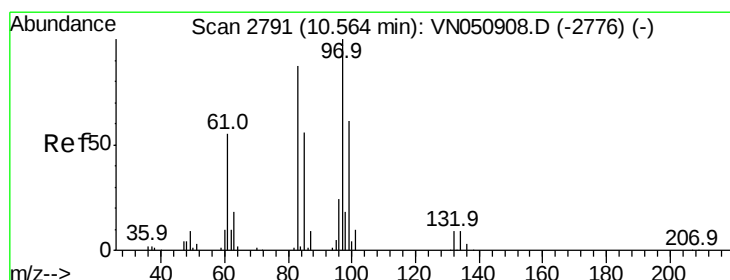
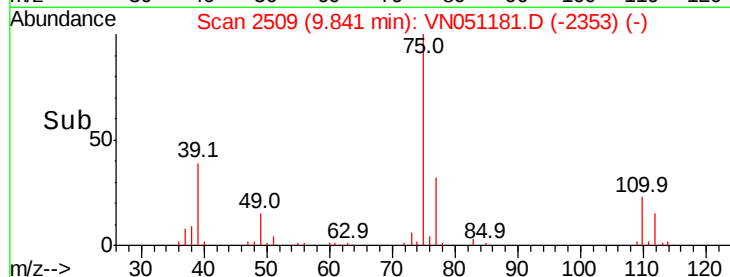
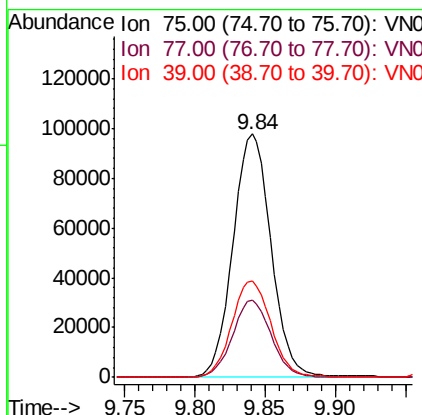
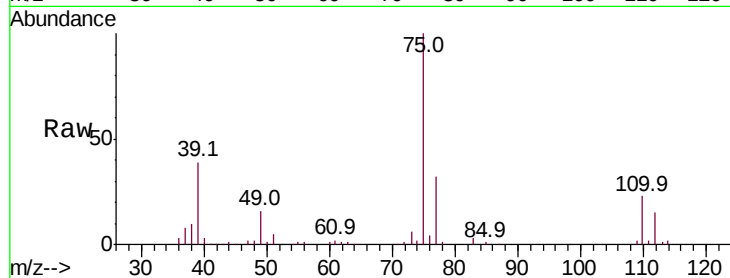


#49

cis-1,3-Dichloropropene
 Concen: 18.146 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

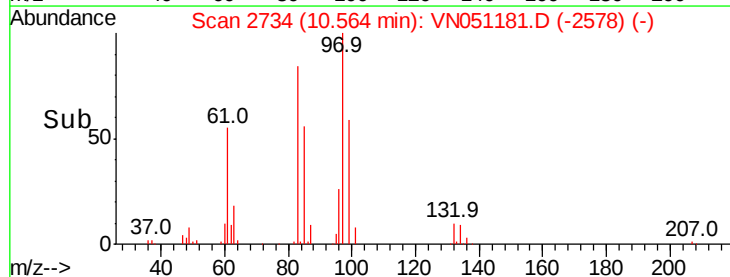
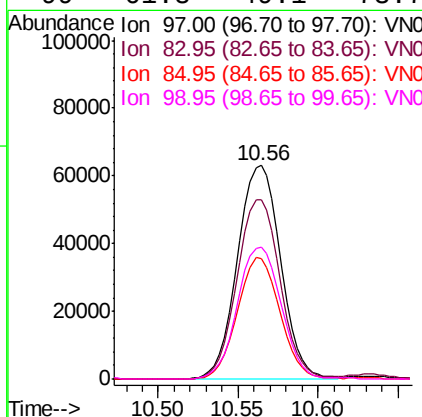
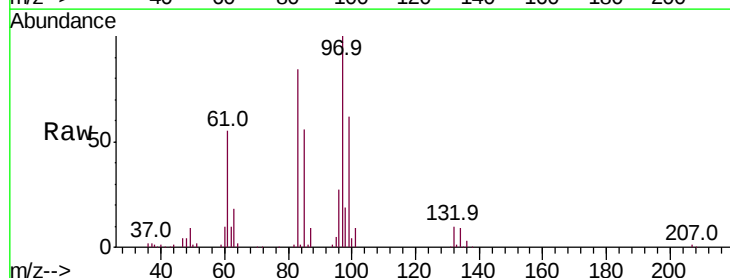
Tot Ion:	75	Resp:	185007
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4
39	39.3	32.9	49.3

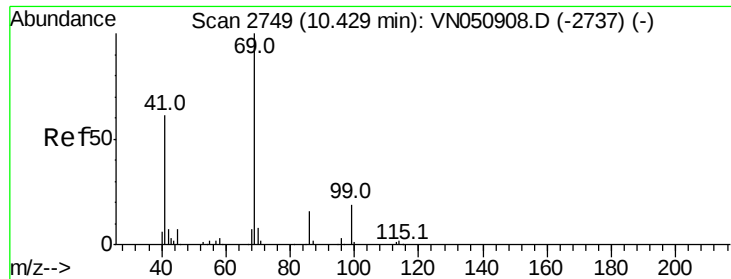


#50

1,1,2-Trichloroethane
 Concen: 18.638 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion:	97	Resp:	116314
Ion	Ratio	Lower	Upper
97	100		
83	84.0	69.8	104.6
85	56.4	45.0	67.6
99	61.8	49.1	73.7





#51

Ethyl methacrylate

Concen: 16.052 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

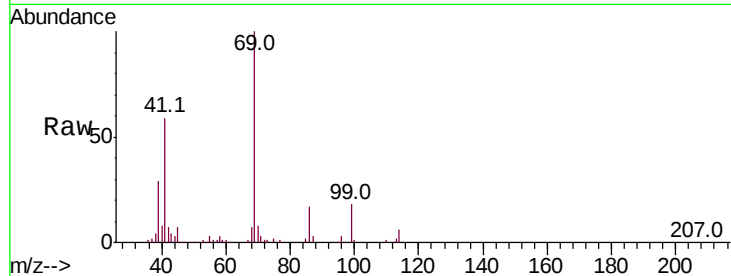
MSVOA_N

ClientSampleId :

VN0914WBSD01

Tot Ion: 69 Resp: 122566

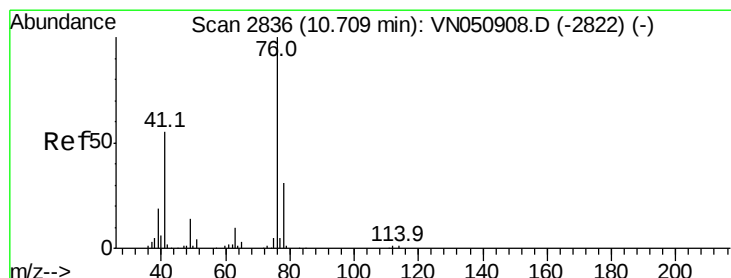
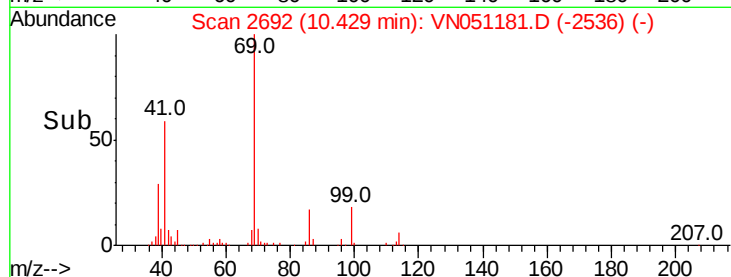
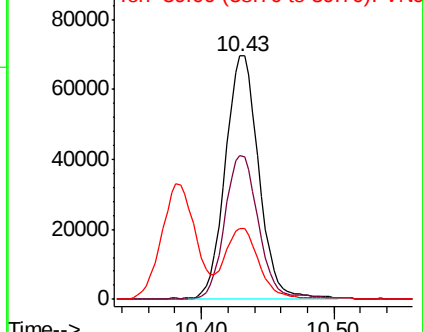
Ion	Ratio	Lower	Upper
69	100		
41	58.7	30.5	91.5
39	28.8	15.3	45.8



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: 17.995 ug/l

RT: 10.71 min Scan# 2779

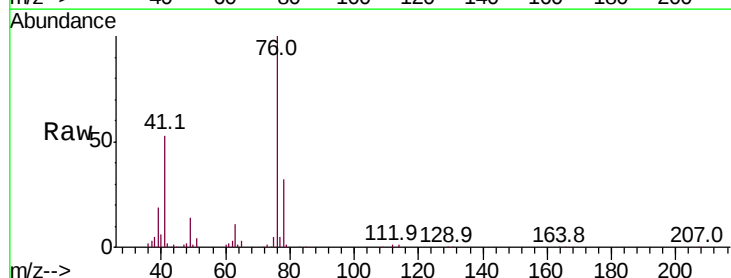
Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

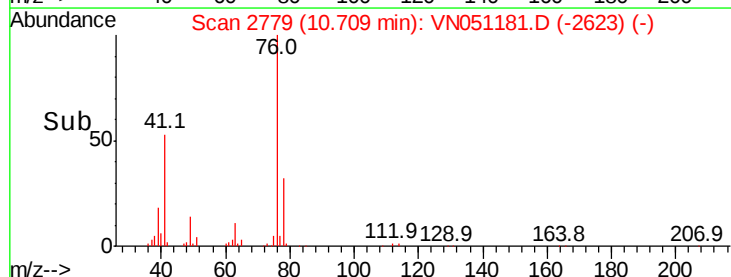
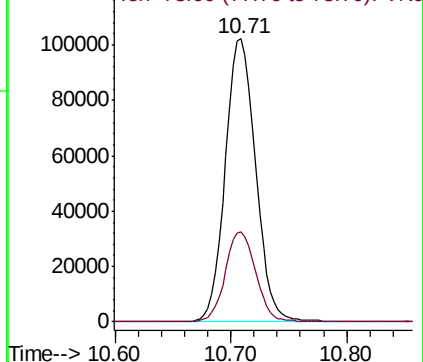
Tgt Ion: 76 Resp: 186020

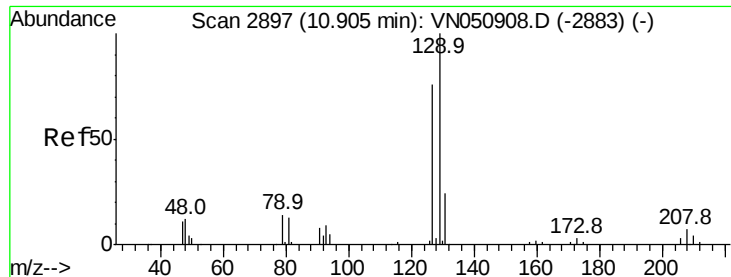
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.342 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

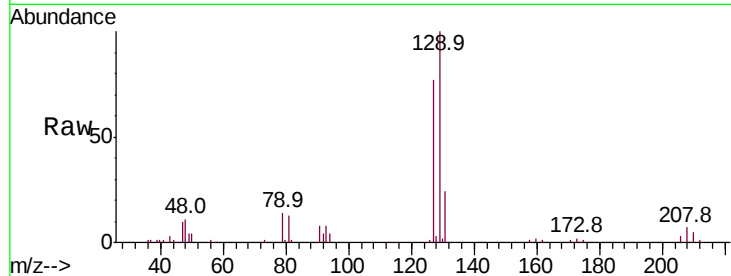
VN0914WBSD01

Tot Ion:129 Resp: 130162

Ion Ratio Lower Upper

129 100

127 75.0 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

80000

60000

40000

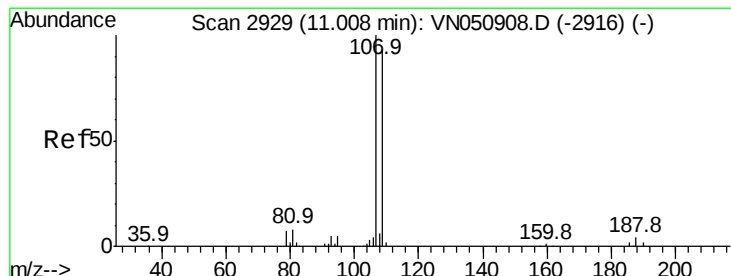
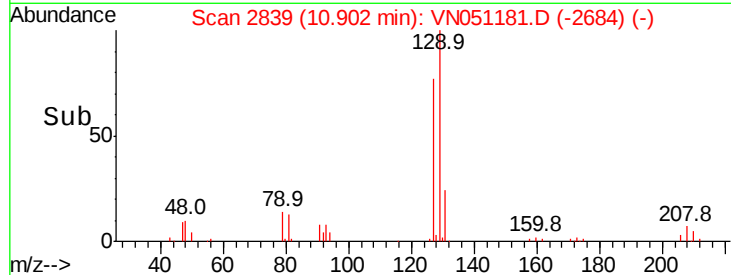
20000

0

Time-->

10.90

11.00



#54

1,2-Dibromoethane

Concen: 17.281 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051181.D

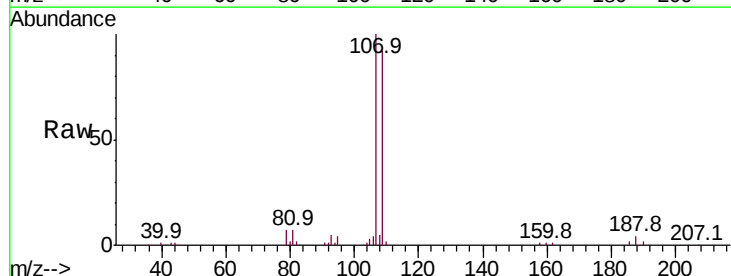
Acq: 14 Sep 2018 11:30

Tgt Ion:107 Resp: 106638

Ion Ratio Lower Upper

107 100

109 94.0 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

60000

40000

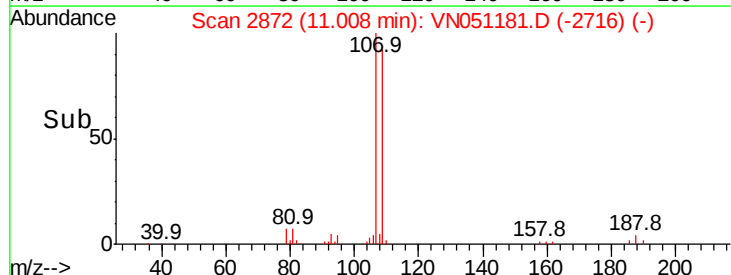
20000

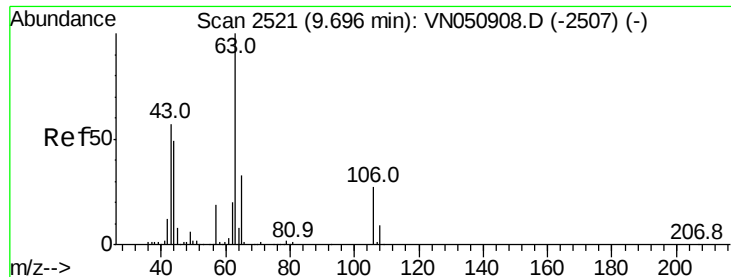
0

Time-->

11.00

11.10

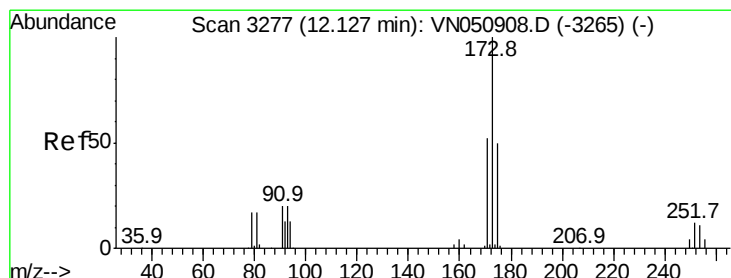
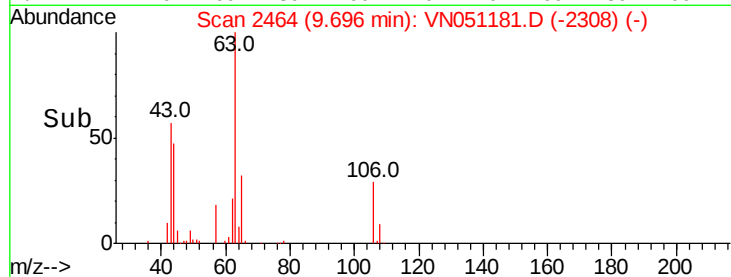
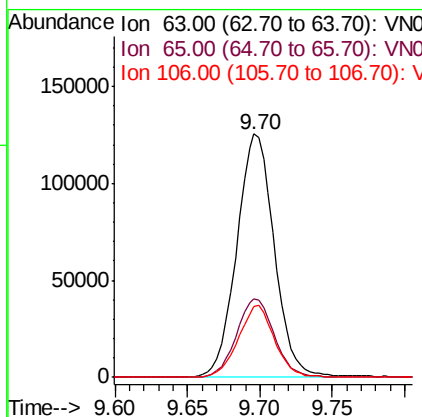
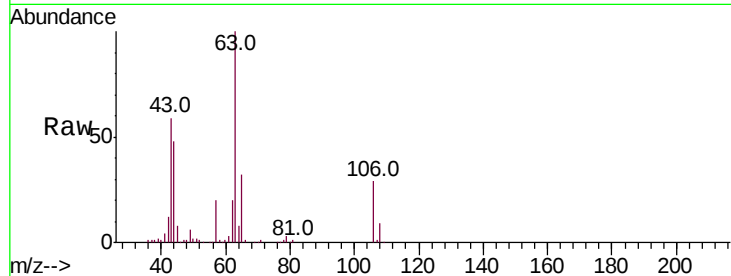




#55
 2-Chloroethyl vinyl ether
 Concen: 71.024 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

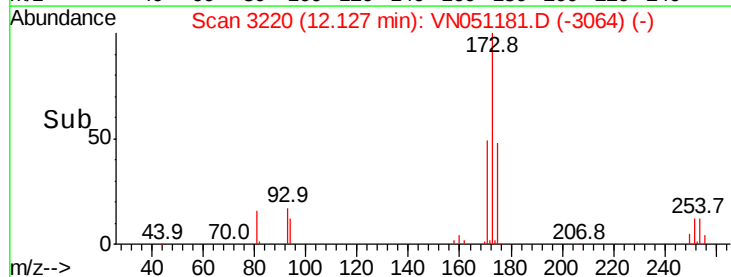
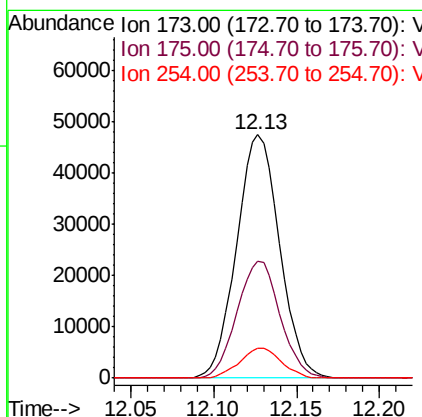
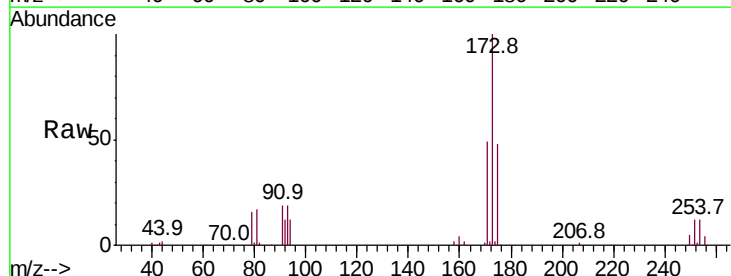
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

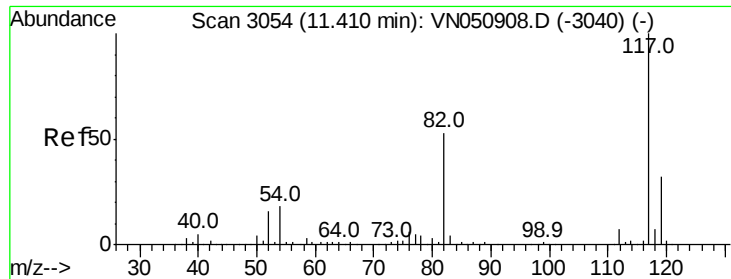
Tot Ion: 63 Resp: 225650
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.4 38.2
 106 28.4 22.0 33.0



#56
 Bromoform
 Concen: 16.983 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 173 Resp: 85712
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.2 58.8
 254 11.9 9.0 13.6

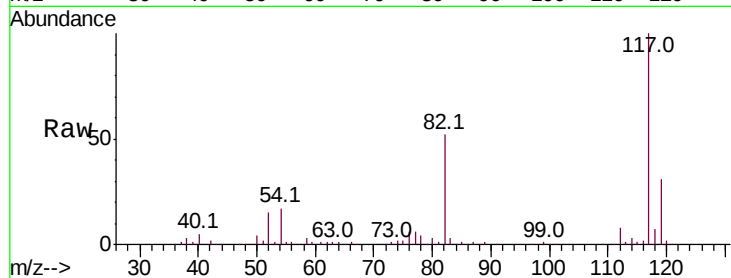




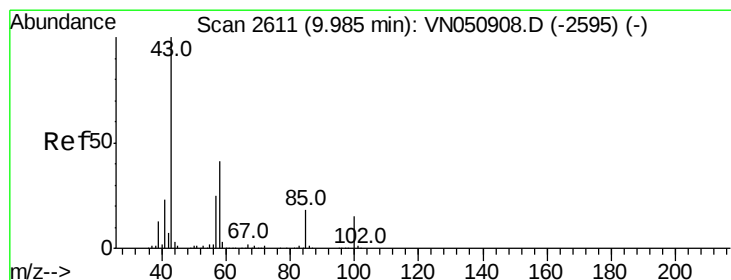
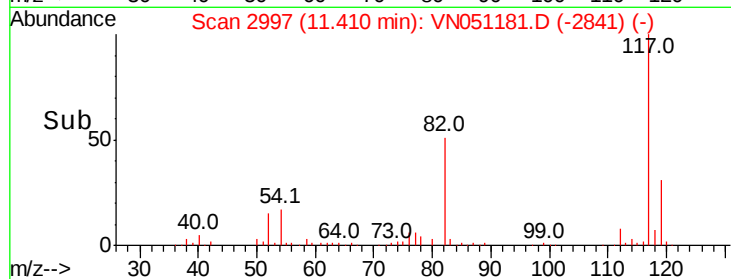
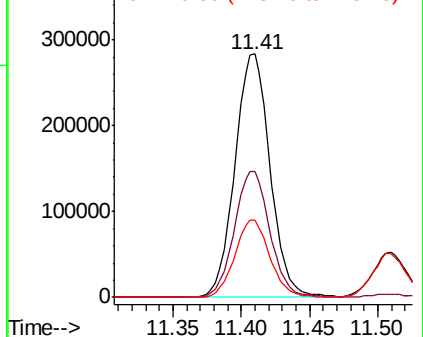
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0914WBSD01

Tot Ion:117 Resp: 507467
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 31.6 25.7 38.5

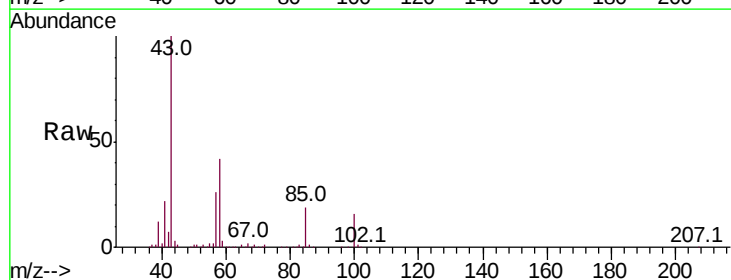


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

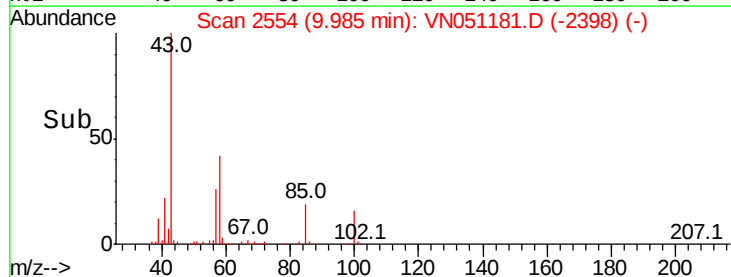
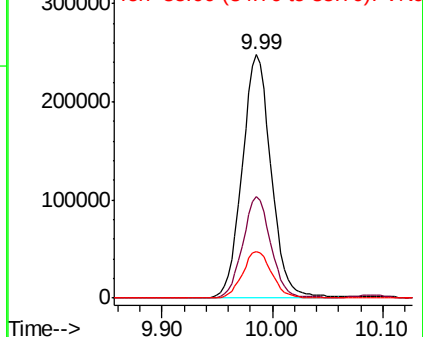


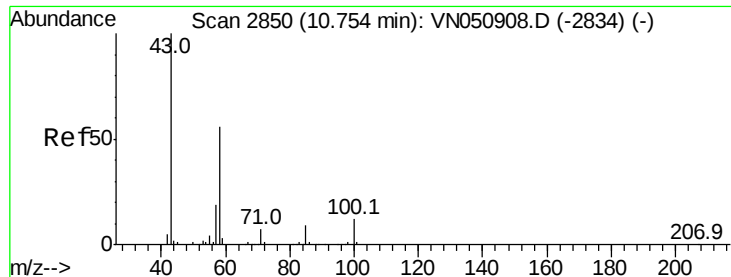
#58
4-Methyl-2-Pentanone
Concen: 77.299 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 43 Resp: 448816
Ion Ratio Lower Upper
43 100
58 41.0 32.3 48.5
85 19.3 14.9 22.3



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

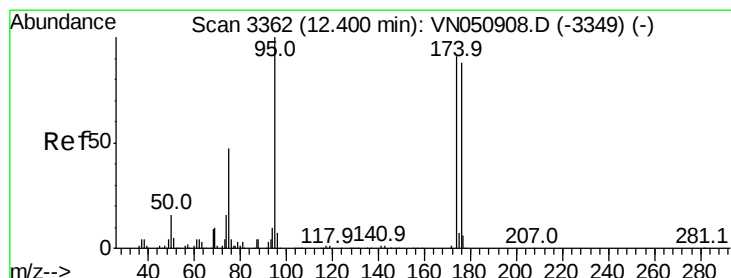
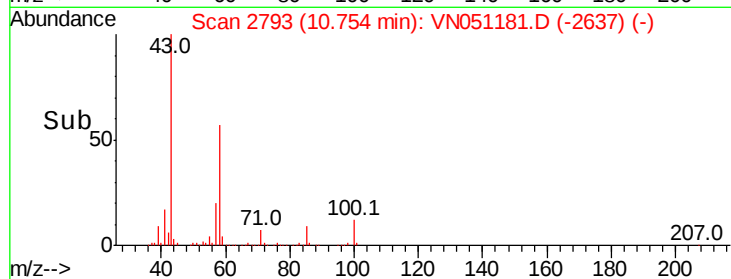
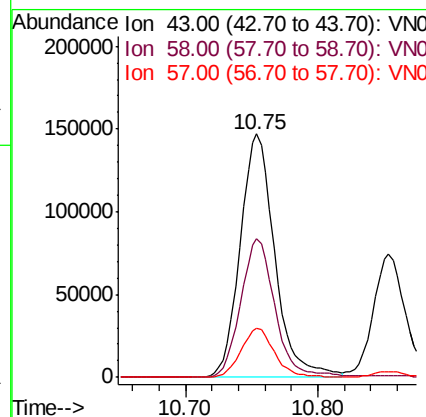
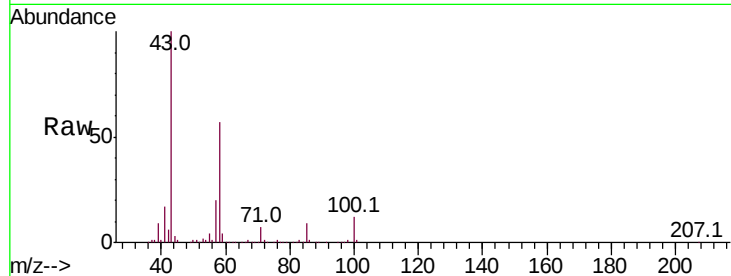




#59
2-Hexanone
Concen: 70.144 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

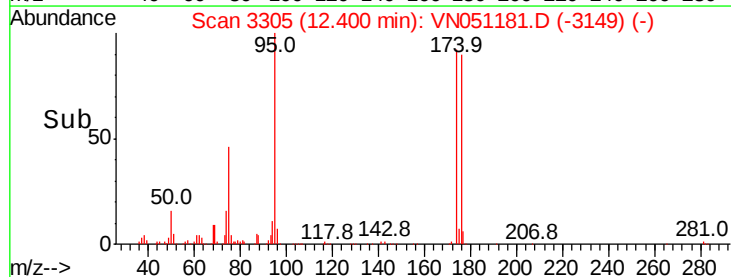
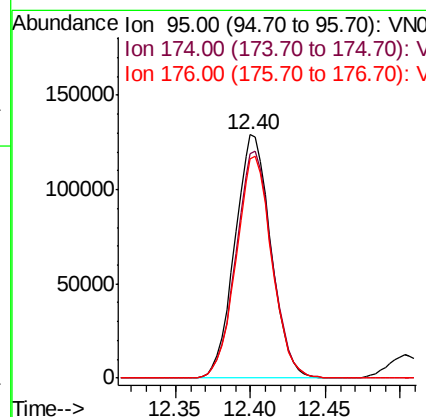
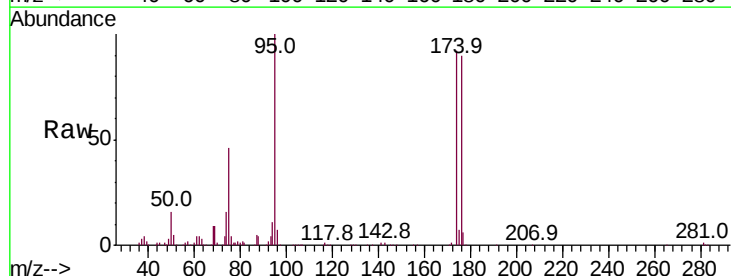
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

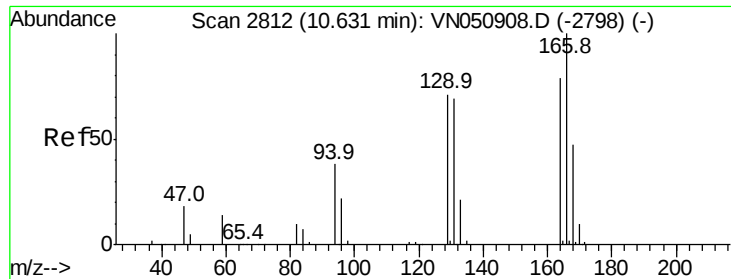
Tot Ion: 43 Resp: 266209
Ion Ratio Lower Upper
43 100
58 56.8 45.5 68.3
57 19.5 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 28.672 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 95 Resp: 216367
Ion Ratio Lower Upper
95 100
174 93.2 74.6 112.0
176 90.5 71.5 107.3





#61

Tetrachloroethene

Concen: 19.471 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

Tot Ion:164 Resp: 123130

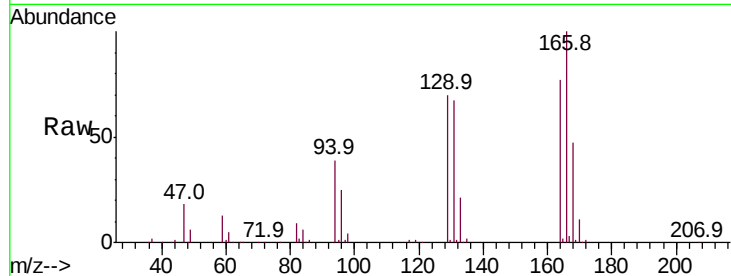
Ion Ratio Lower Upper

164 100

166 129.6 100.6 151.0

129 90.9 71.0 106.6

131 86.9 69.3 103.9

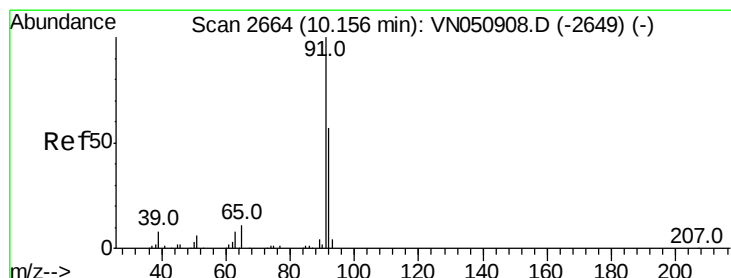
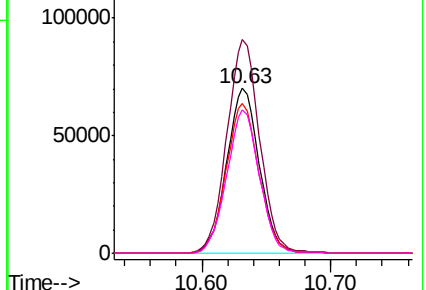
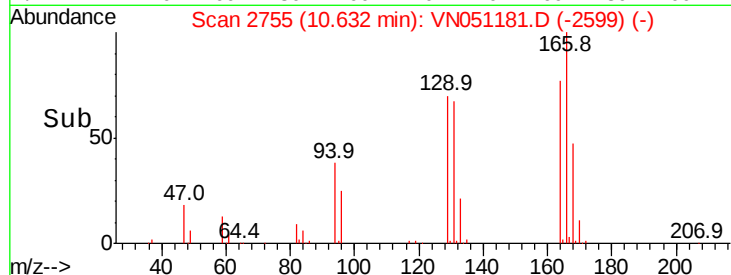


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.199 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051181.D

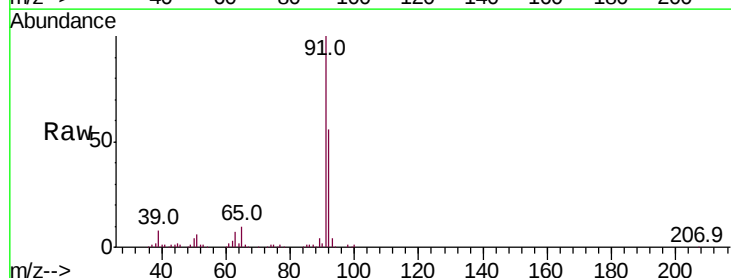
Acq: 14 Sep 2018 11:30

Tgt Ion: 91 Resp: 543537

Ion Ratio Lower Upper

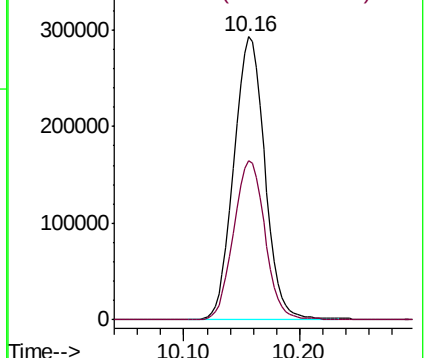
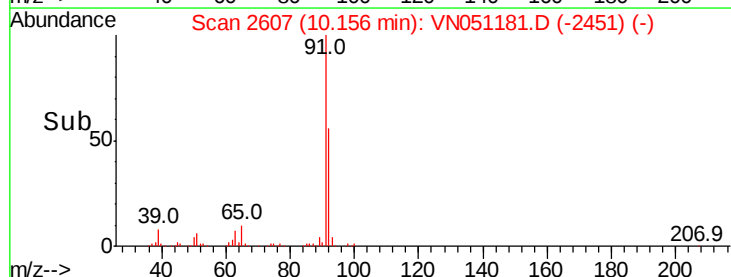
91 100

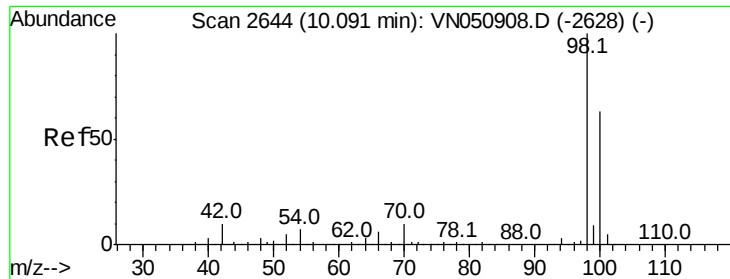
92 57.1 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.820 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

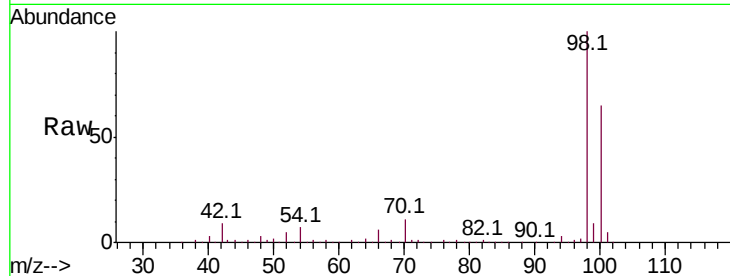
VN0914WBSD01

Tot Ion: 98 Resp: 729358

Ion Ratio Lower Upper

98 100

100 64.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)

10.09

400000

300000

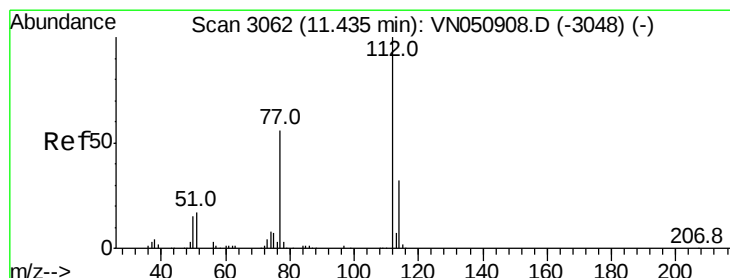
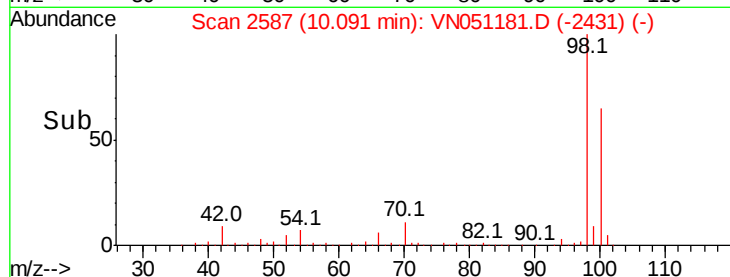
200000

100000

0

Time-->

10.00 10.10 10.20



#64

Chlorobenzene

Concen: 18.852 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051181.D

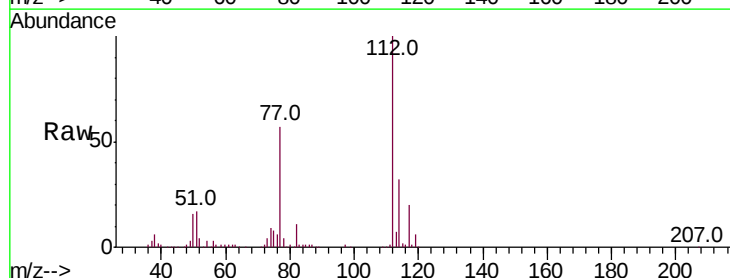
Acq: 14 Sep 2018 11:30

Tgt Ion: 112 Resp: 330781

Ion Ratio Lower Upper

112 100

114 32.2 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN050908.D (-3048) (-)

Ion 114.00 (113.70 to 114.70): VN050908.D (-3048) (-)

11.43

200000

150000

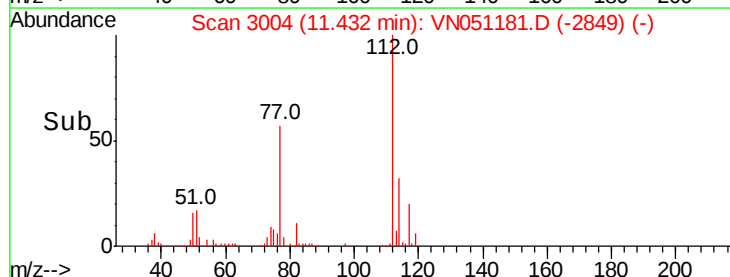
100000

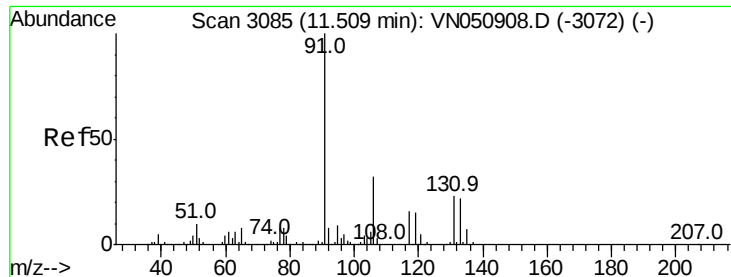
50000

0

Time-->

11.40 11.50





#65

1,1,1,2-Tetrachloroethane

Concen: 19.901 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

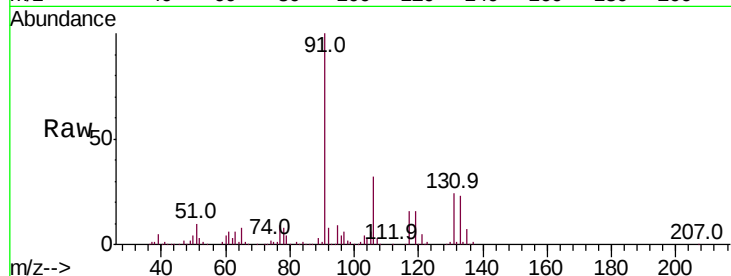
Tot Ion:131 Resp: 131841

Ion Ratio Lower Upper

131 100

133 95.4 0.0 189.4

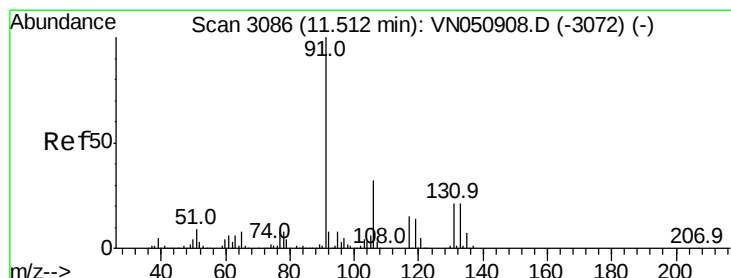
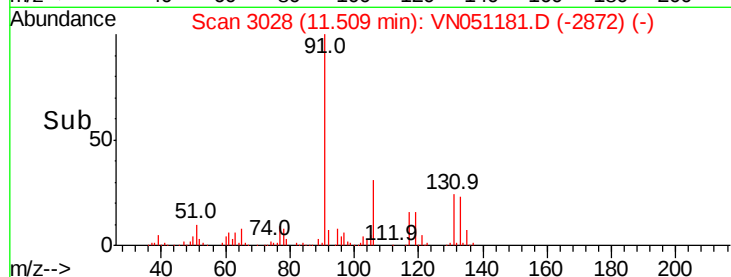
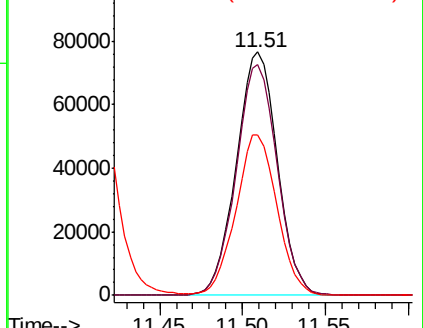
119 66.1 0.0 132.2



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: 18.242 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051181.D

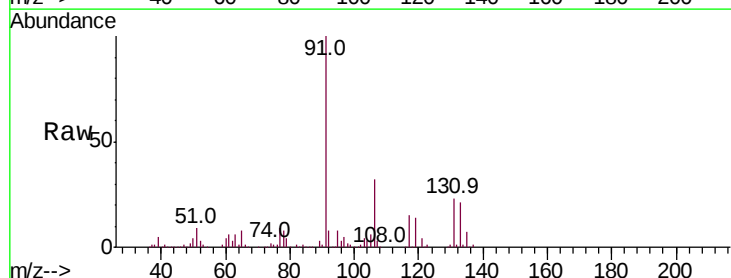
Acq: 14 Sep 2018 11:30

Tgt Ion: 91 Resp: 534963

Ion Ratio Lower Upper

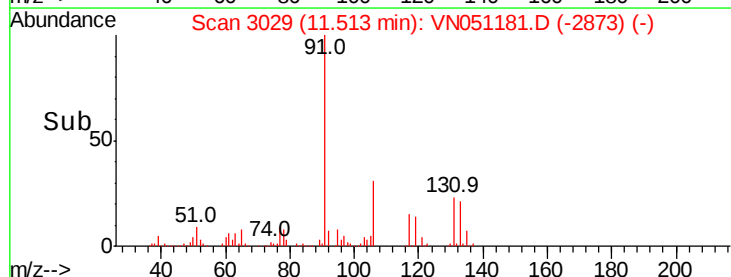
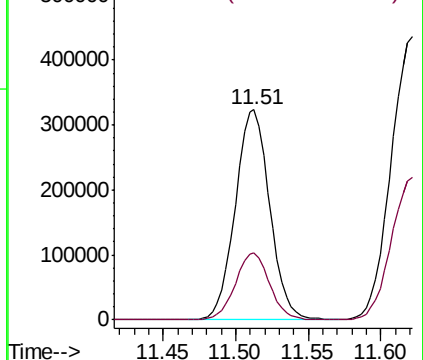
91 100

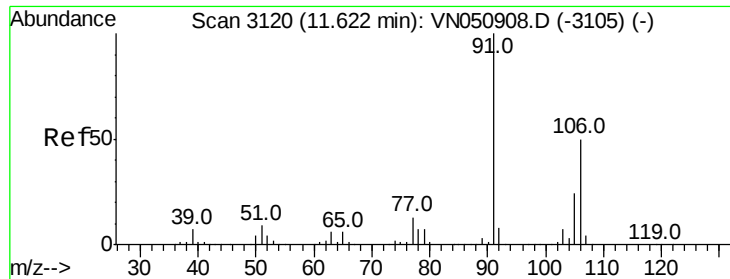
106 31.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

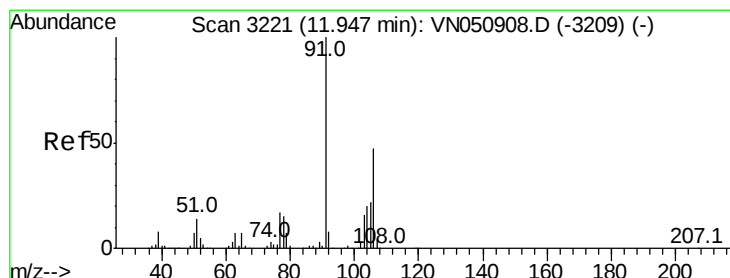
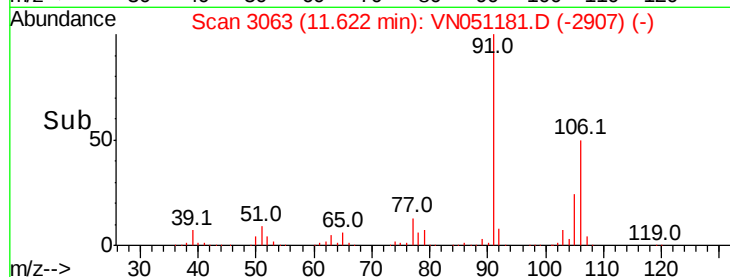
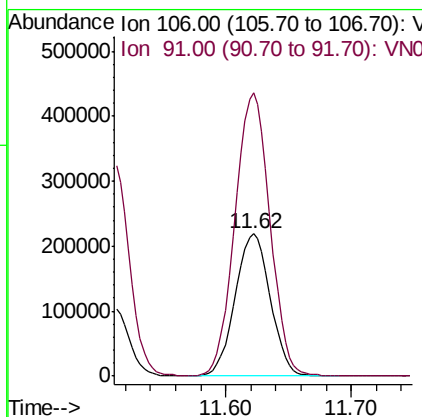
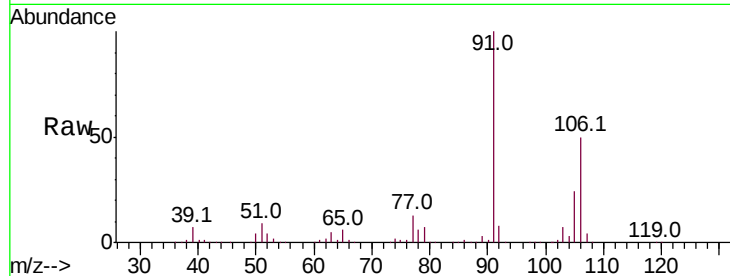




#67
m/p-Xylenes
Concen: 37.679 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

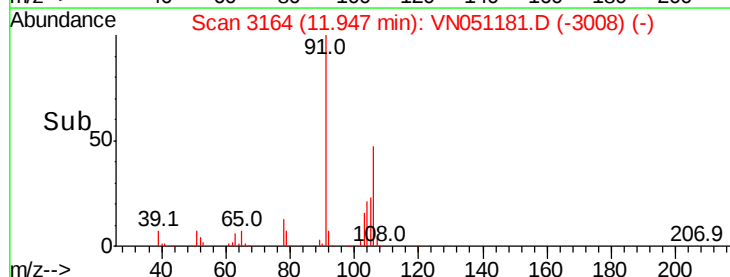
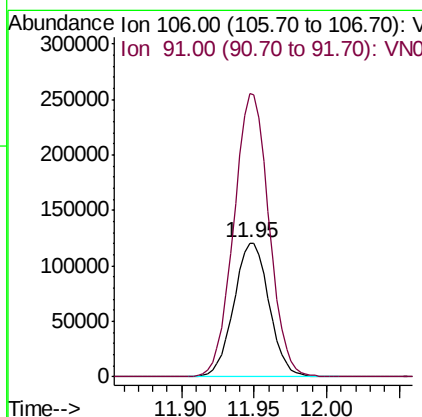
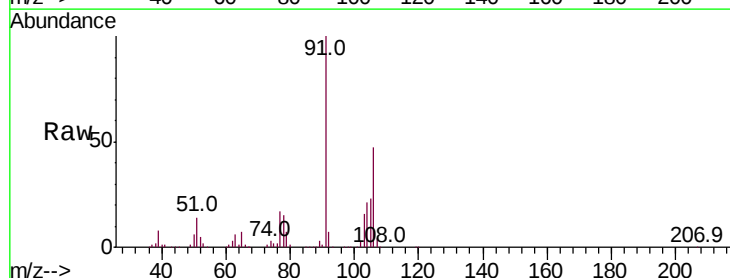
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

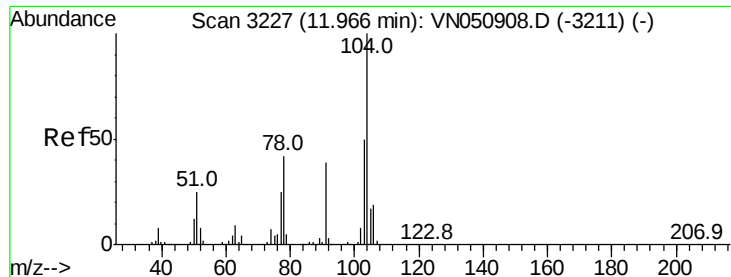
Tot Ion:106 Resp: 425143
Ion Ratio Lower Upper
106 100
91 198.8 160.6 241.0



#68
o-Xylene
Concen: 18.993 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion:106 Resp: 204763
Ion Ratio Lower Upper
106 100
91 210.8 106.4 319.2

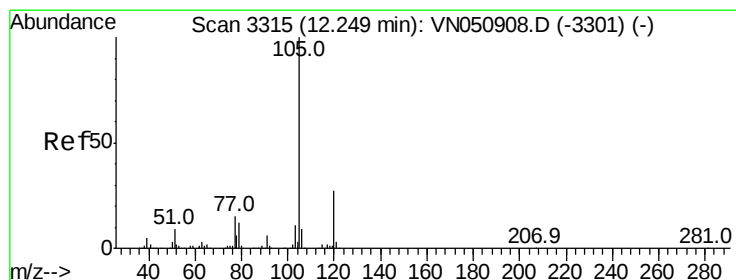
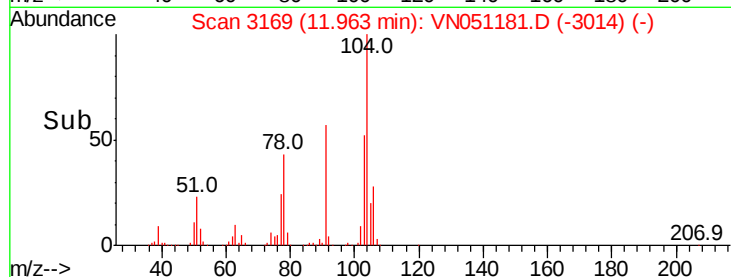
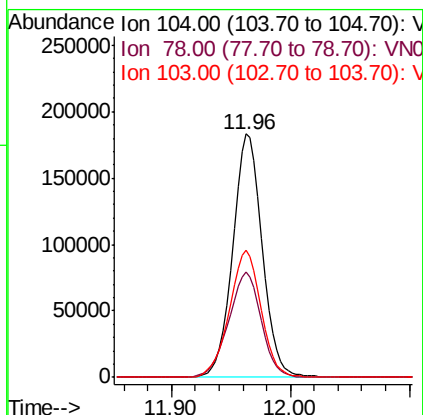
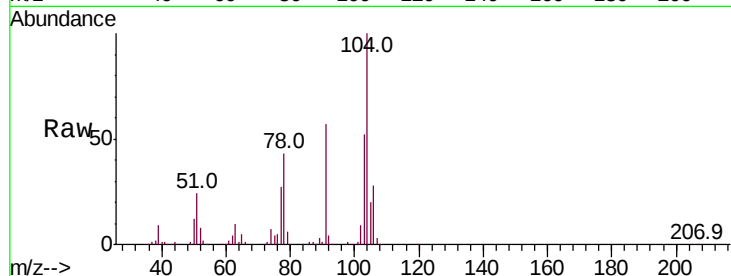




#69
Stvrene
Concen: 18.334 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

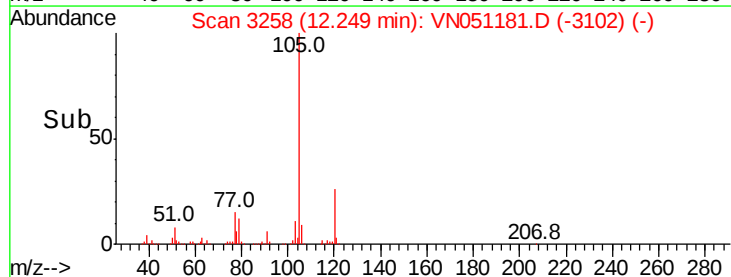
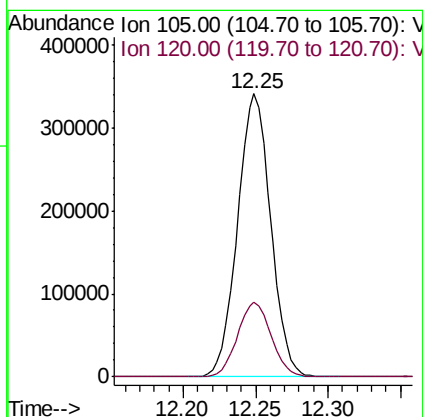
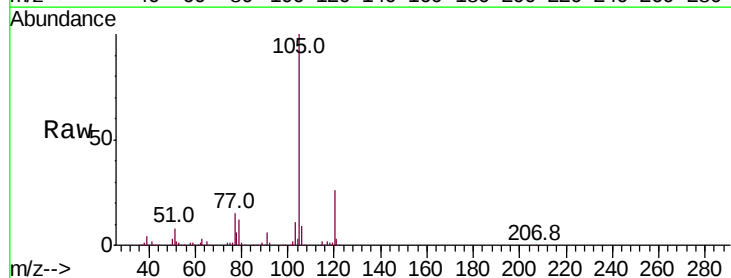
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

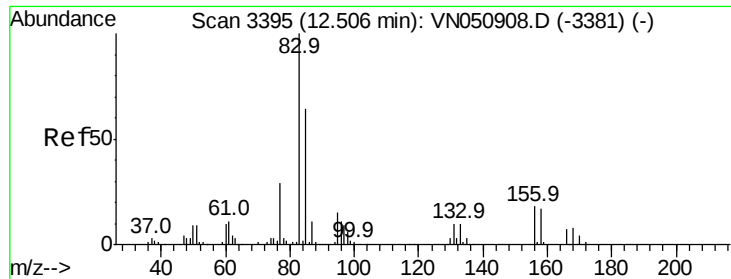
Tot Ion:104 Resp: 314269
Ion Ratio Lower Upper
104 100
78 47.9 38.6 58.0
103 56.1 45.4 68.2



#70
Isopropylbenzene
Concen: 18.891 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion:105 Resp: 541185
Ion Ratio Lower Upper
105 100
120 26.8 18.6 34.6

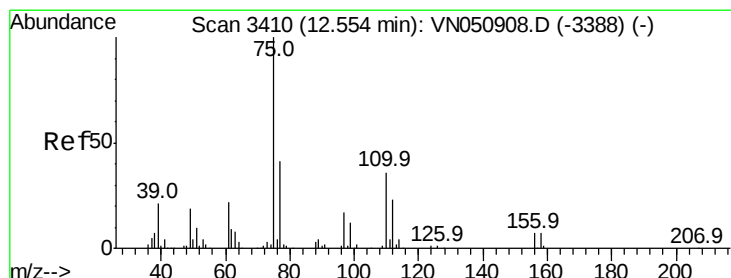
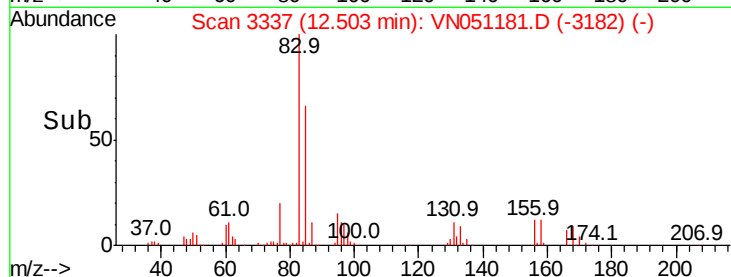
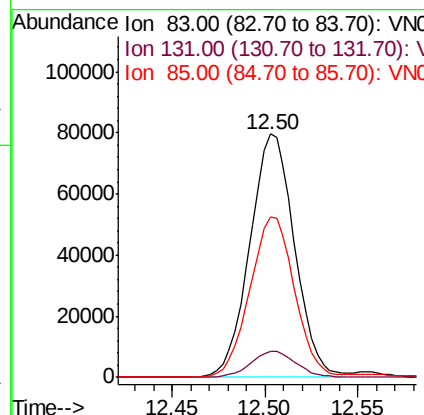
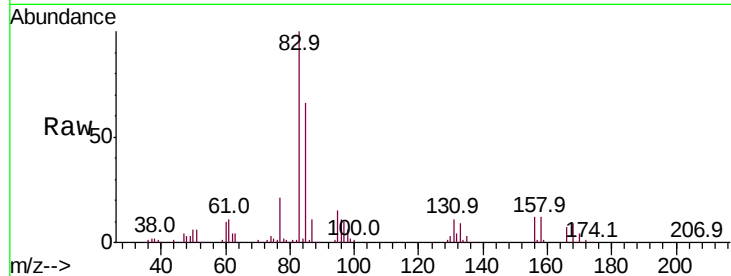




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.234 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

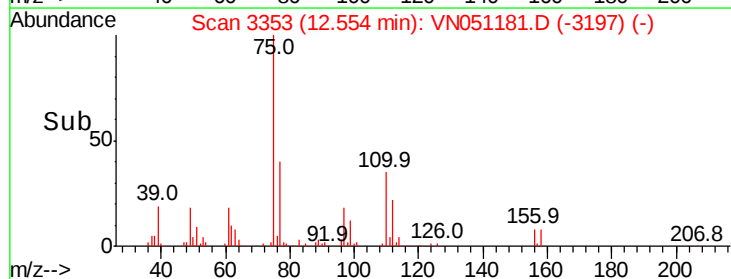
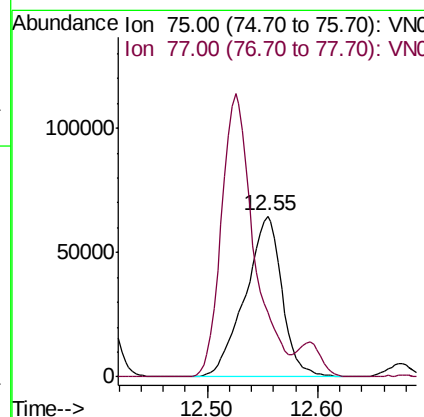
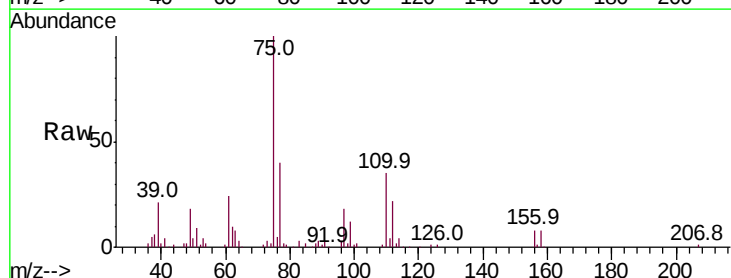
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

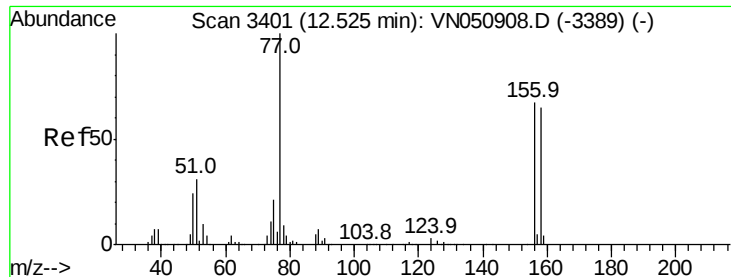
Tot Ion	83	Resp	133678
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.3	15.9
85	66.0	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 22.328 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion	75	Resp	149414
Ion	Ratio	Lower	Upper
75	100		
77	155.2	0.0	301.6





#73

Bromobenzene

Concen: 17.999 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

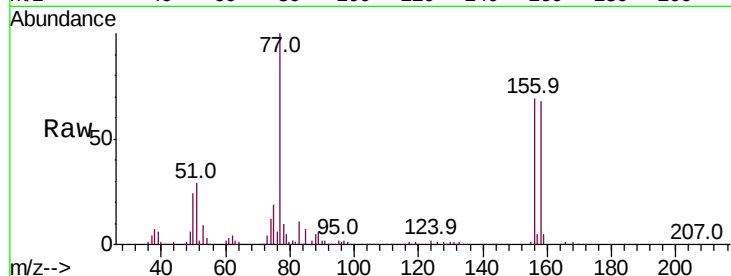
Tot Ion:156 Resp: 135665

Ion Ratio Lower Upper

156 100

77 170.9 0.0 359.4

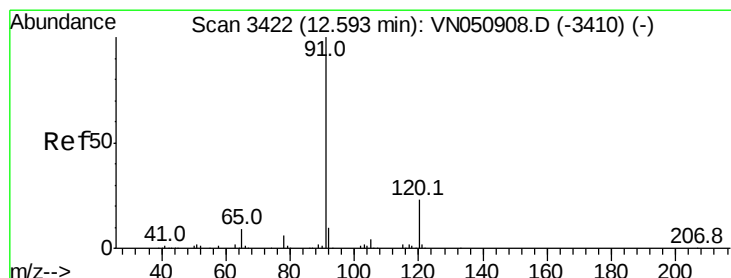
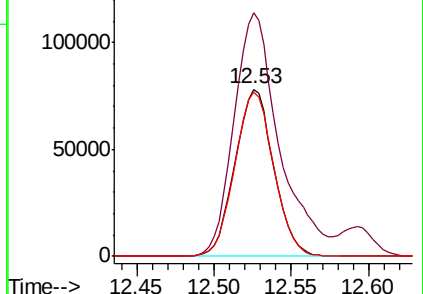
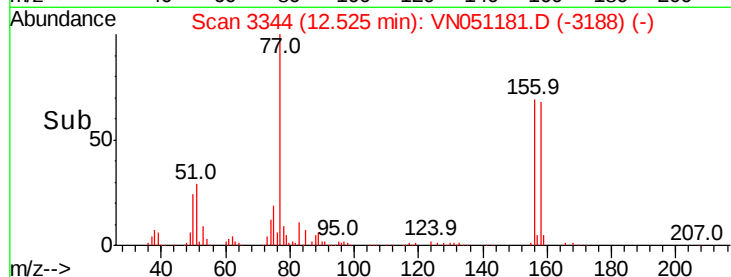
158 99.0 0.0 194.6



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: 17.747 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051181.D

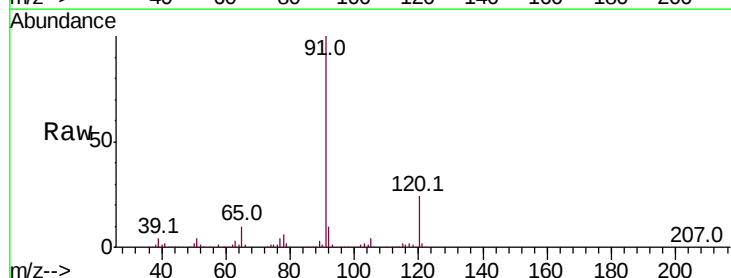
Acq: 14 Sep 2018 11:30

Tgt Ion: 91 Resp: 574811

Ion Ratio Lower Upper

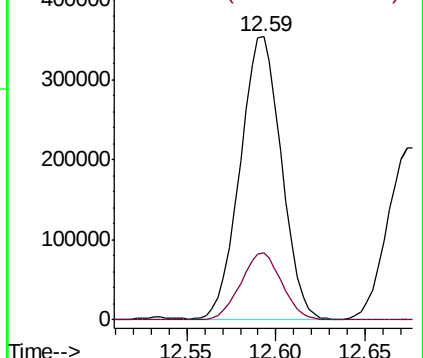
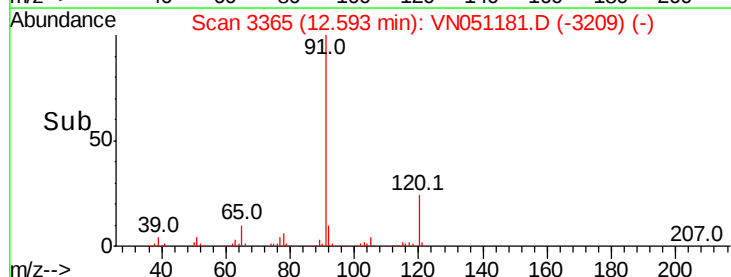
91 100

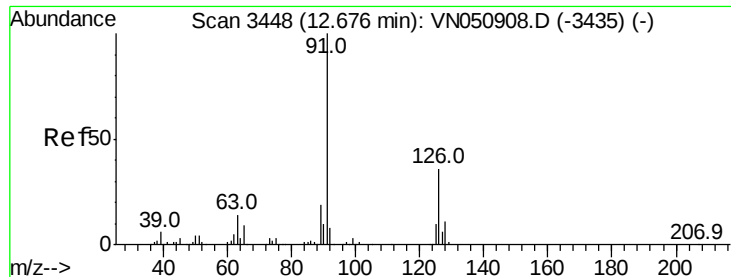
120 23.4 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.458 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

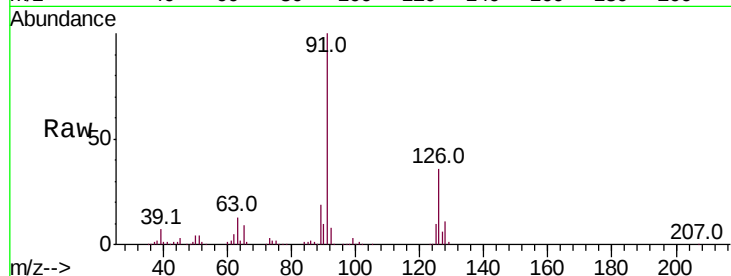
VN0914WBSD01

Tot Ion: 91 Resp: 363194

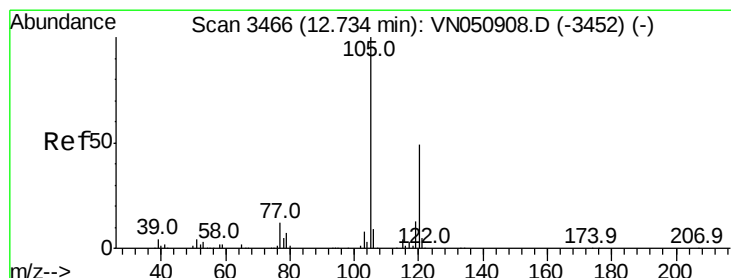
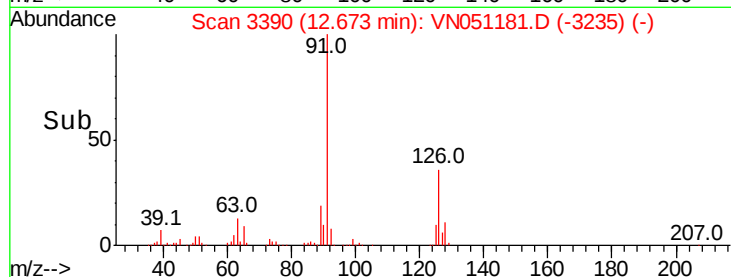
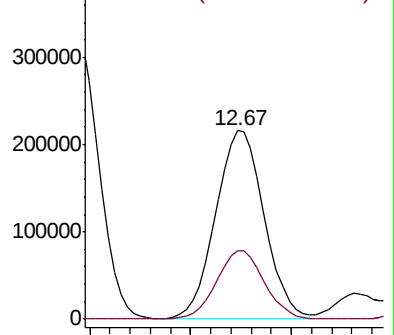
Ion Ratio Lower Upper

91 100

126 35.8 0.0 71.8



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



#76

1,3,5-Trimethylbenzene

Concen: 18.715 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051181.D

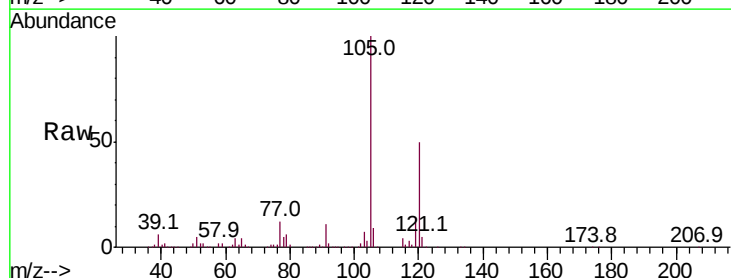
Acq: 14 Sep 2018 11:30

Tgt Ion: 105 Resp: 438149

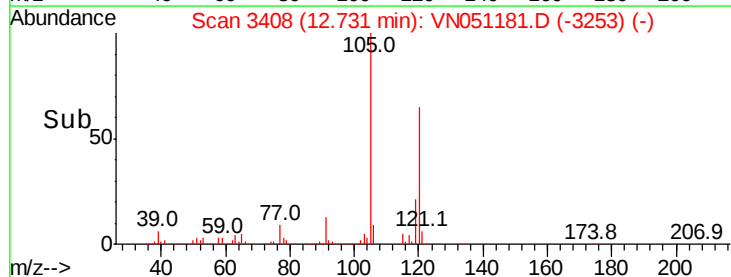
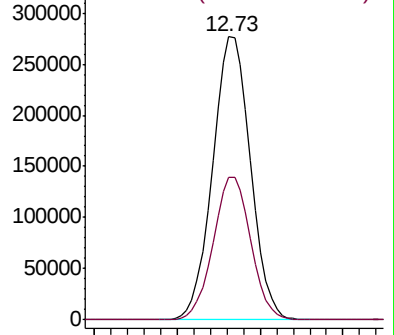
Ion Ratio Lower Upper

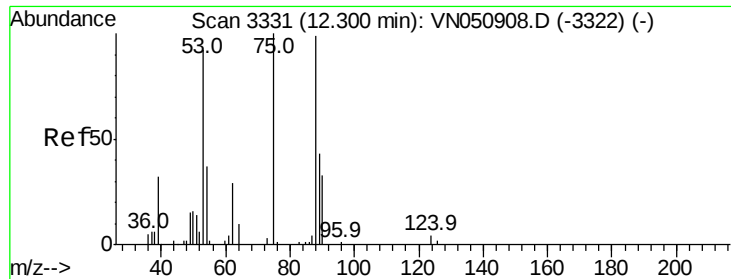
105 100

120 50.3 0.0 99.6



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

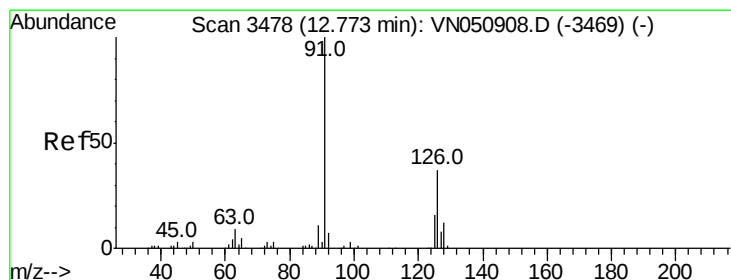
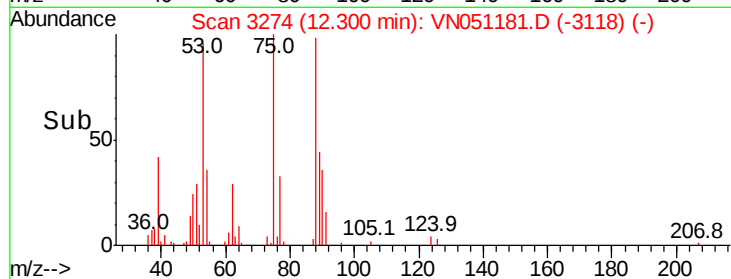
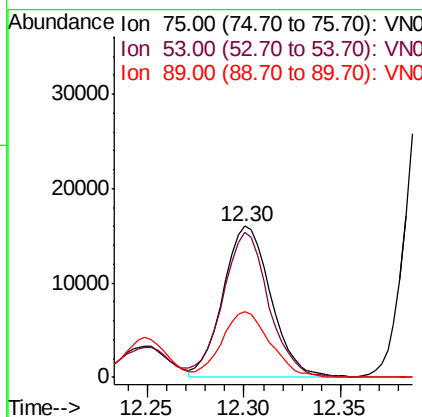
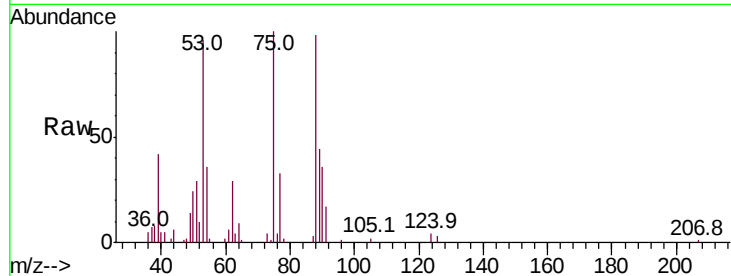




#77
 t-1,4-Dichloro-2-butene
 Concen: 14.488 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

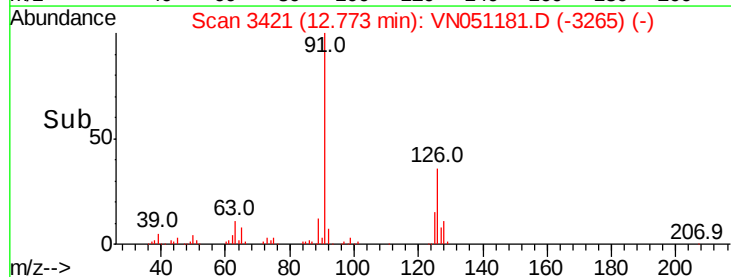
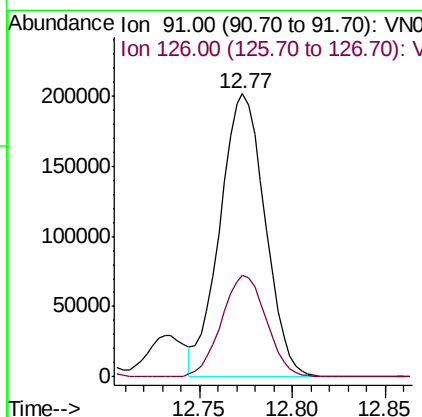
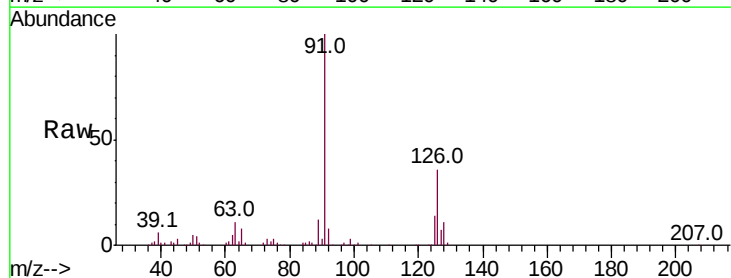
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

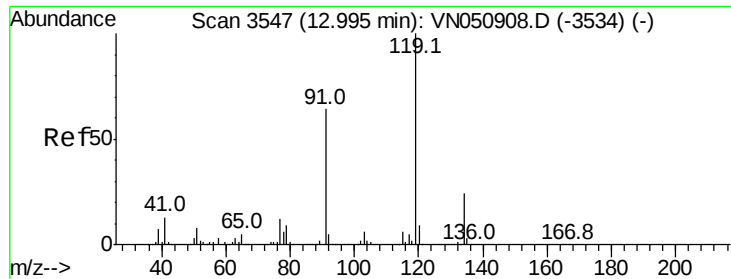
Tot Ion: 75 Resp: 27622
 Ion Ratio Lower Upper
 75 100
 53 97.0 45.5 136.4
 89 44.2 21.9 65.8



#78
 4-Chlorotoluene
 Concen: 17.529 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion: 91 Resp: 339623
 Ion Ratio Lower Upper
 91 100
 126 35.7 0.0 69.8

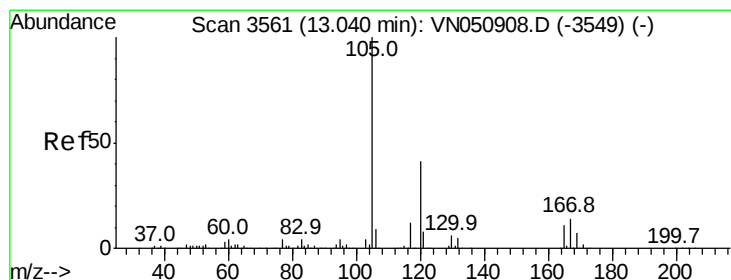
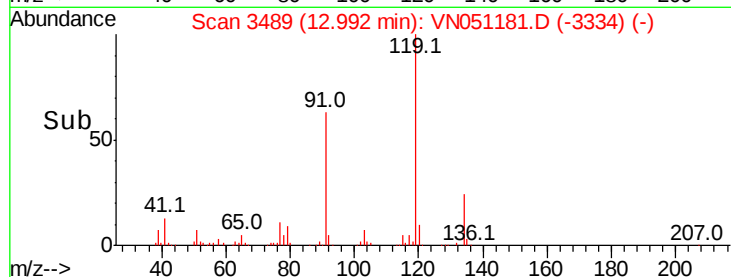
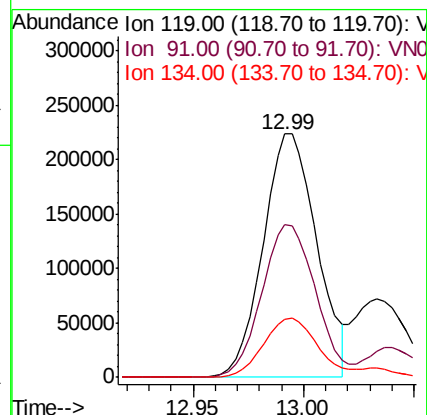
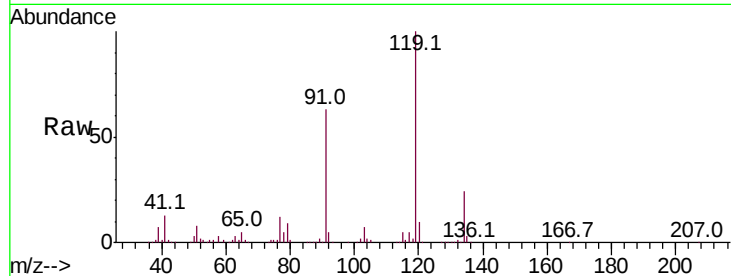




#79
tert-butylbenzene
Concen: 18.595 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

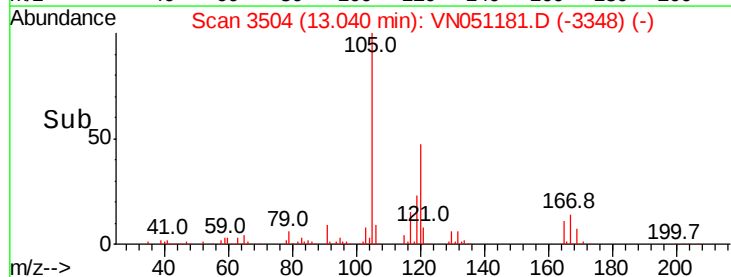
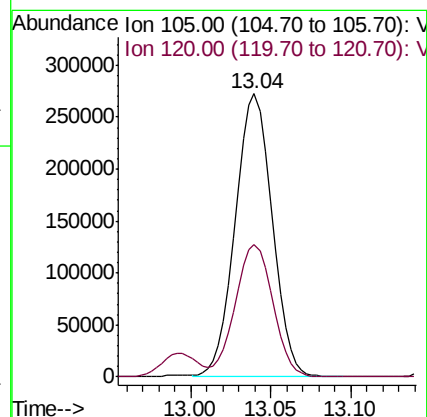
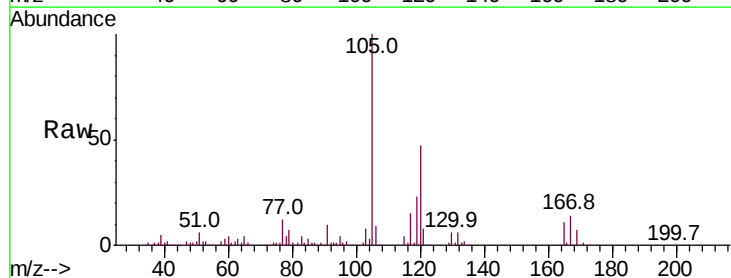
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

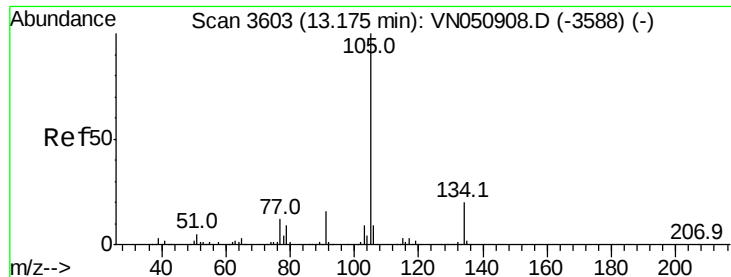
Tot Ion:119 Resp: 378064
Ion Ratio Lower Upper
119 100
91 62.6 0.0 125.6
134 24.8 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 18.376 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion:105 Resp: 428926
Ion Ratio Lower Upper
105 100
120 47.5 0.0 93.6

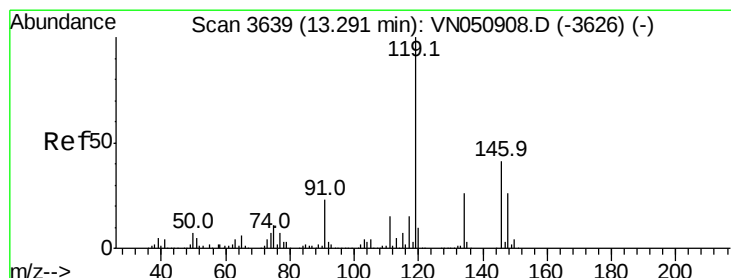
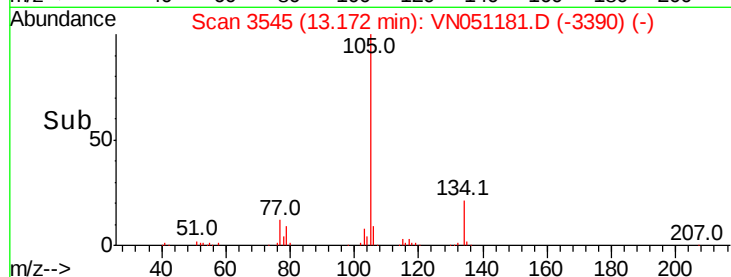
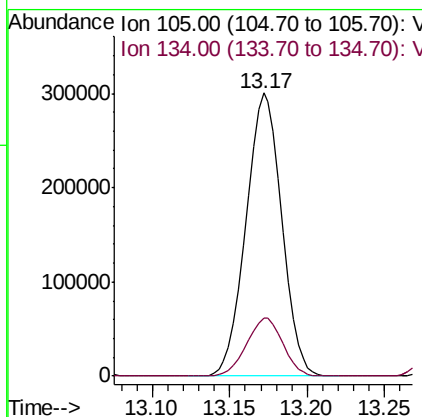
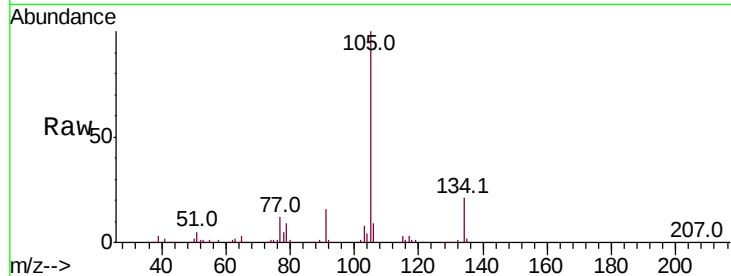




#81
 sec-Butylbenzene
 Concen: 18.175 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

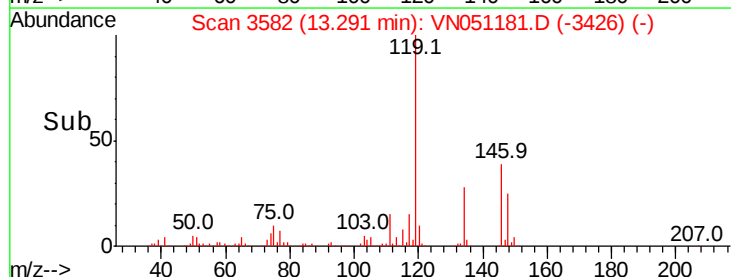
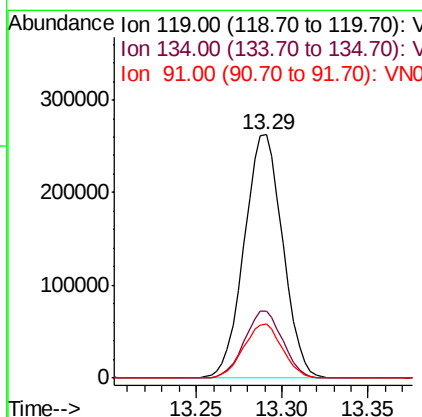
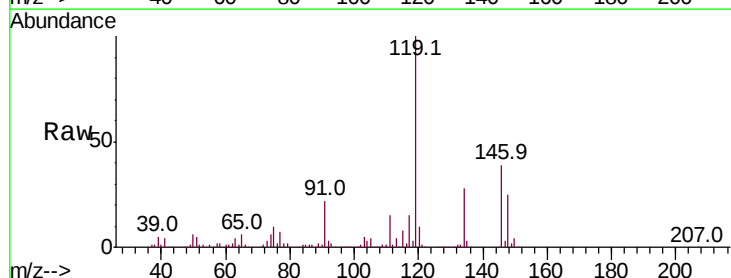
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD01

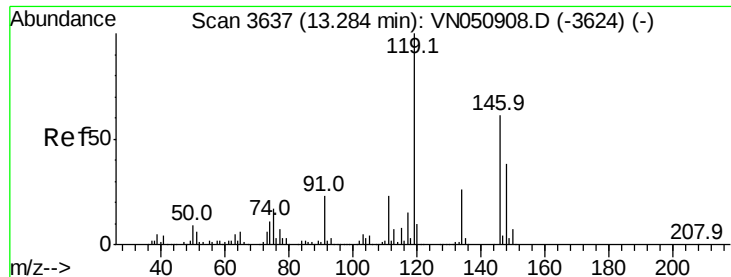
Tot Ion:105 Resp: 483509
 Ion Ratio Lower Upper
 105 100
 134 20.9 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 17.758 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion:119 Resp: 407756
 Ion Ratio Lower Upper
 119 100
 134 27.3 0.0 53.2
 91 22.4 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 17.185 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

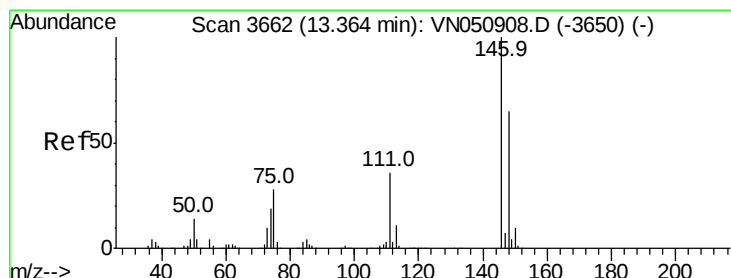
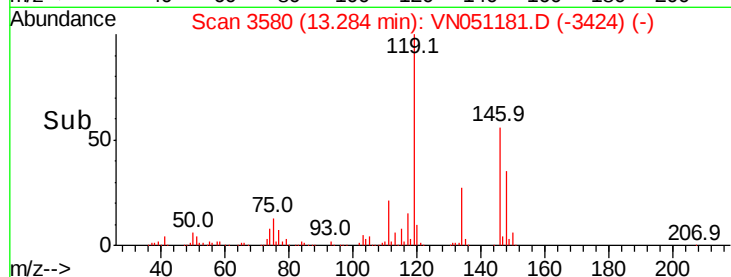
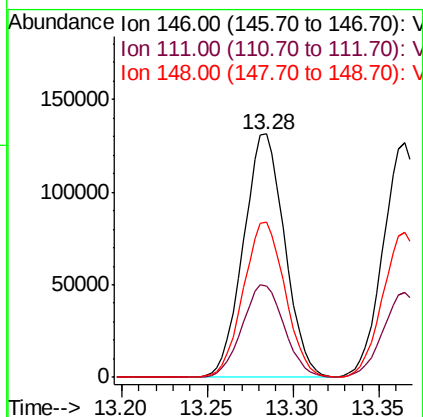
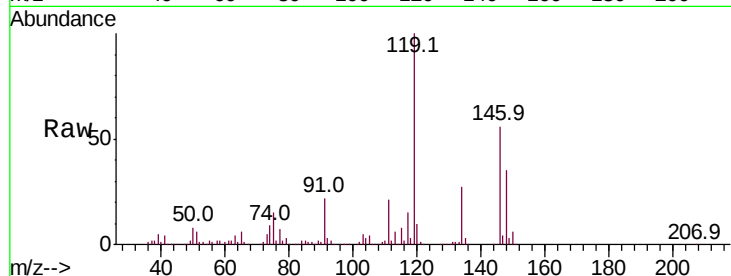
Tot Ion:146 Resp: 218997

Ion Ratio Lower Upper

146 100

111 38.5 18.6 55.6

148 64.4 31.8 95.3



#84

1,4-Dichlorobenzene

Concen: 16.924 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

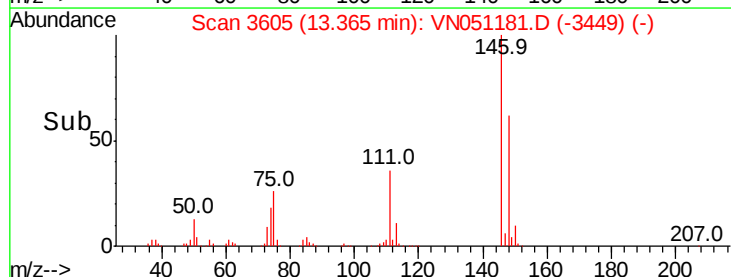
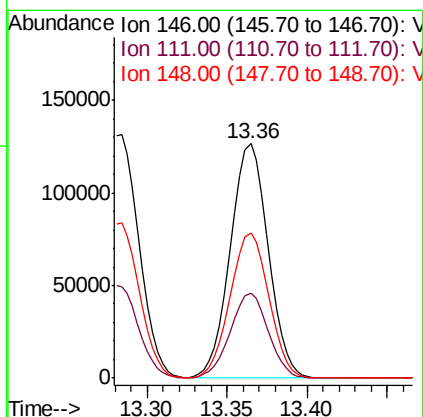
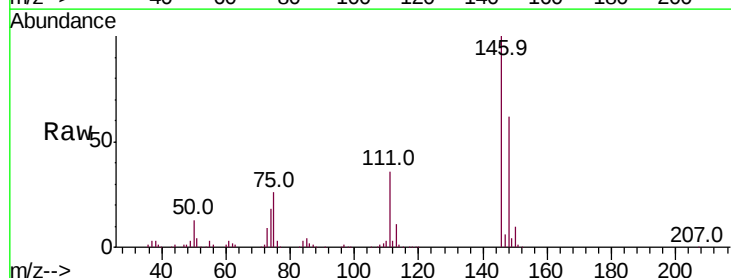
Tgt Ion:146 Resp: 204347

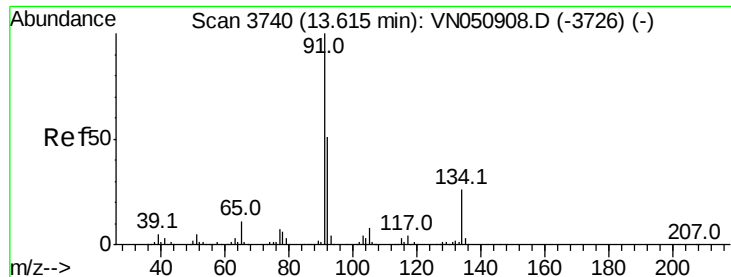
Ion Ratio Lower Upper

146 100

111 36.4 17.7 53.1

148 63.4 31.6 94.8

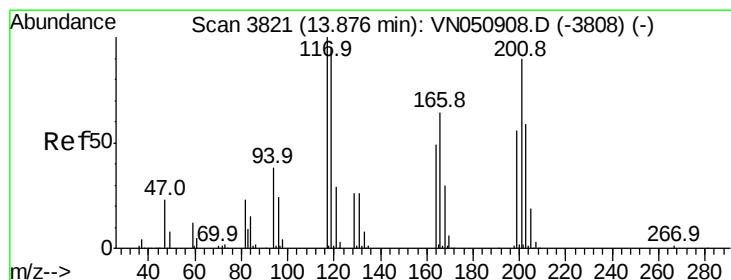
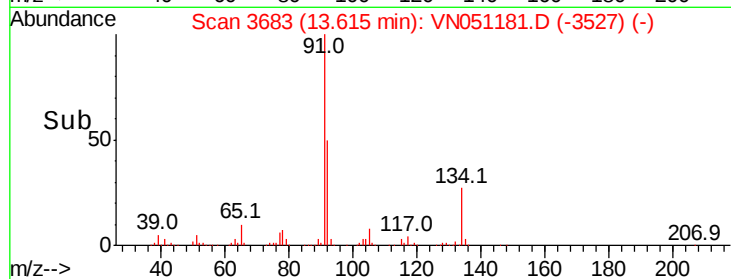
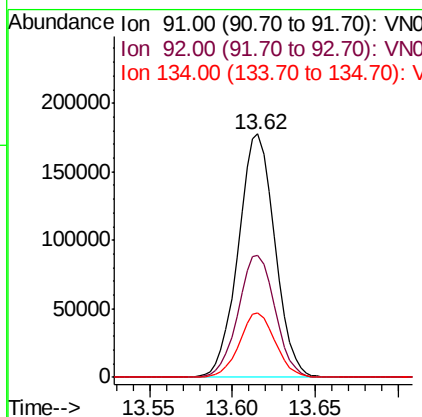
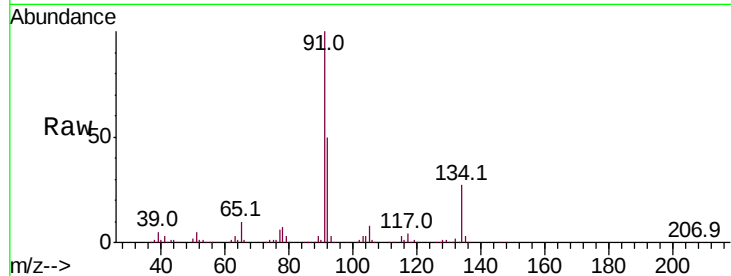




#85
n-Butylbenzene
Concen: 15.542 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

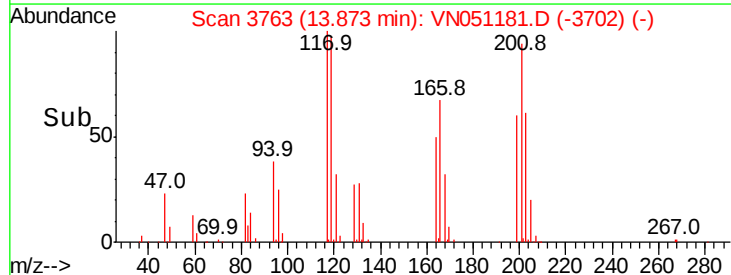
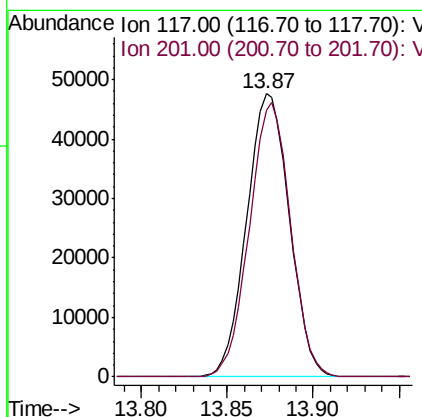
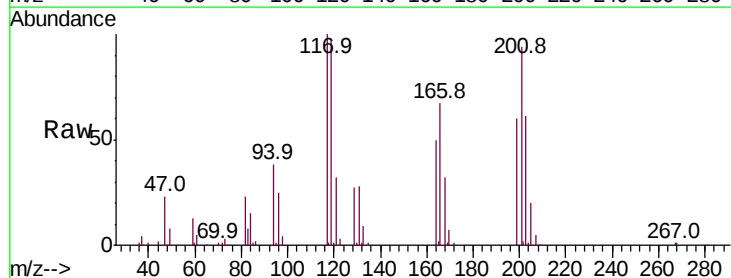
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBSD01

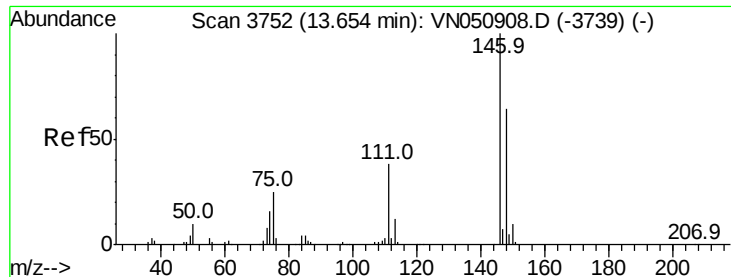
Tot Ion: 91 Resp: 272310
Ion Ratio Lower Upper
91 100
92 50.6 0.0 101.8
134 26.0 0.0 52.2



#86
Hexachloroethane
Concen: 18.653 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051181.D
Acq: 14 Sep 2018 11:30

Tgt Ion: 117 Resp: 82212
Ion Ratio Lower Upper
117 100
201 93.3 45.8 137.4





#87

1,2-Dichlorobenzene

Concen: 17.522 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0914WBSD01

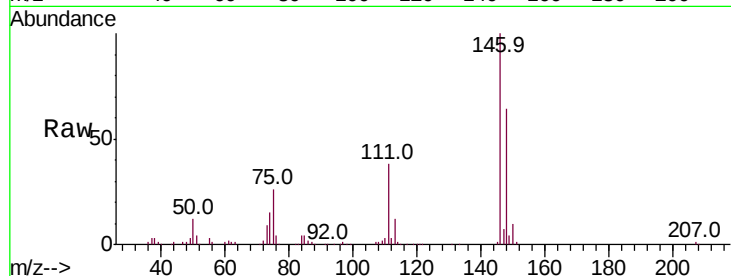
Tot Ion:146 Resp: 219789

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.1

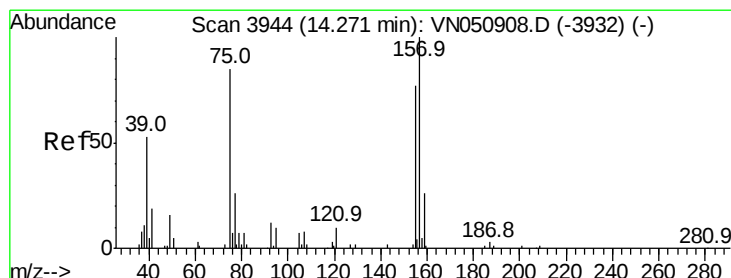
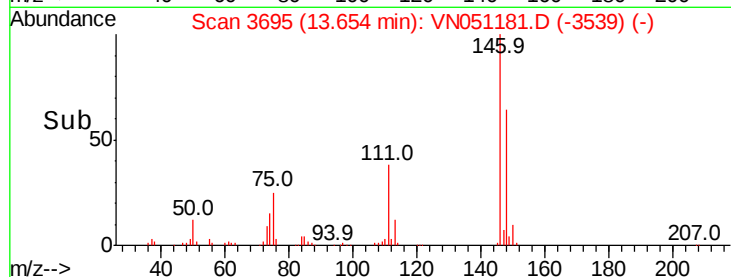
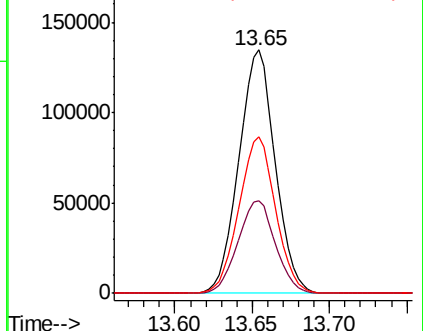
148 64.8 31.9 95.9



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: 15.063 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

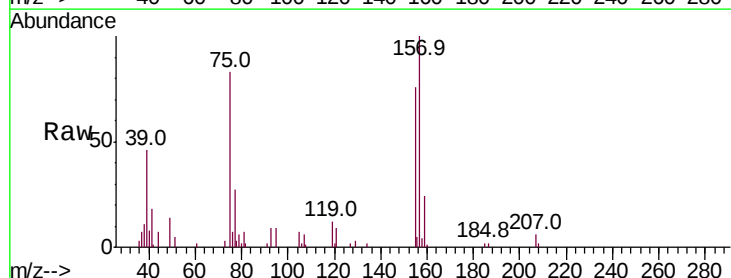
Tgt Ion: 75 Resp: 16346

Ion Ratio Lower Upper

75 100

155 91.9 71.8 107.6

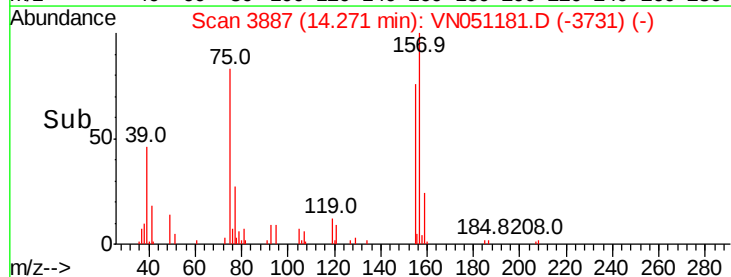
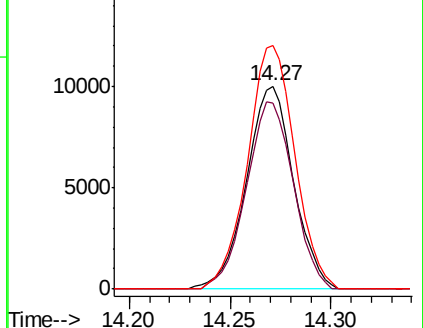
157 120.7 91.1 136.7

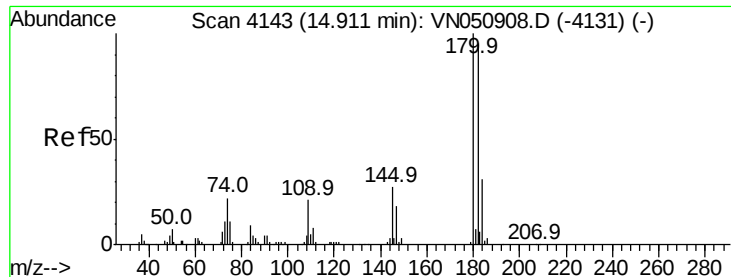


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

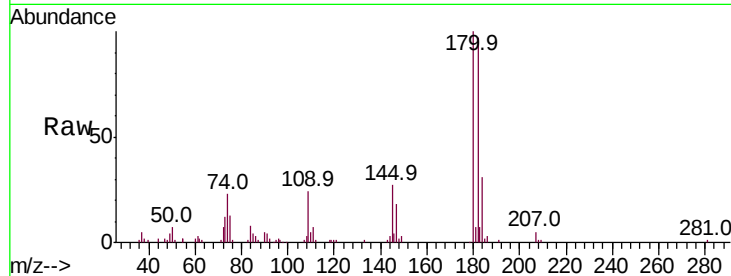




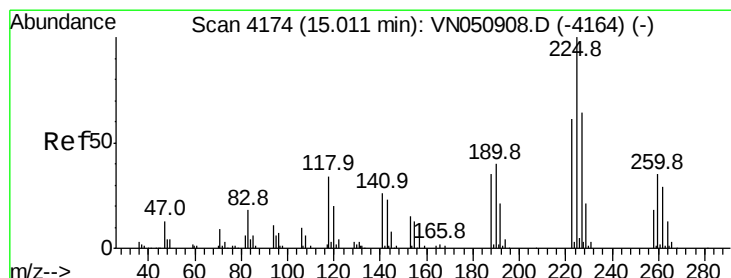
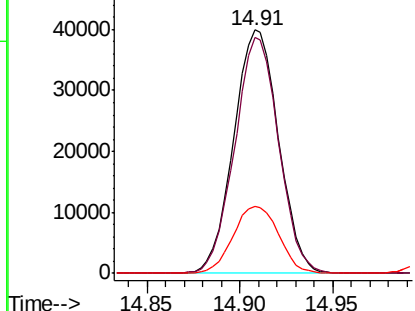
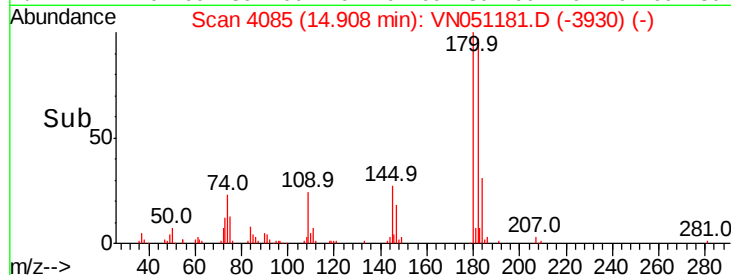
#89
 1,2,4-Trichlorobenzene
 Concen: 11.974 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBSD01

Tot Ion:180 Resp: 66864
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.4
 145 27.8 22.2 33.4

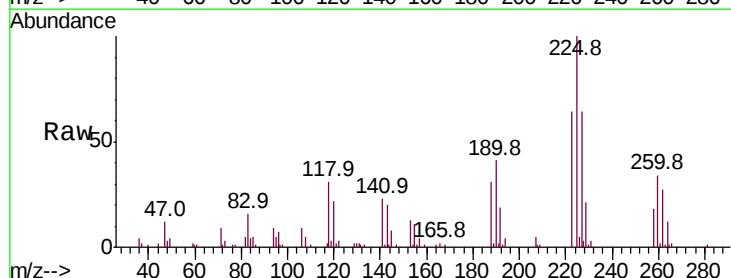


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

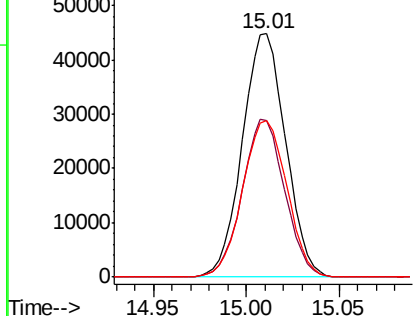
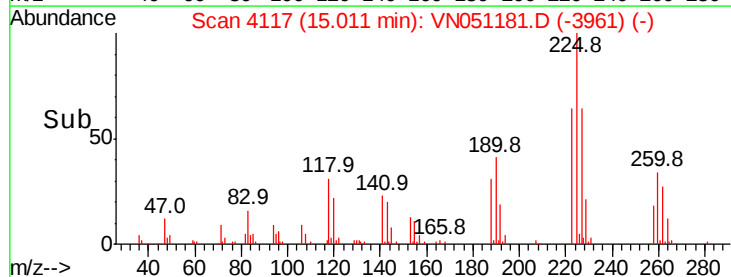


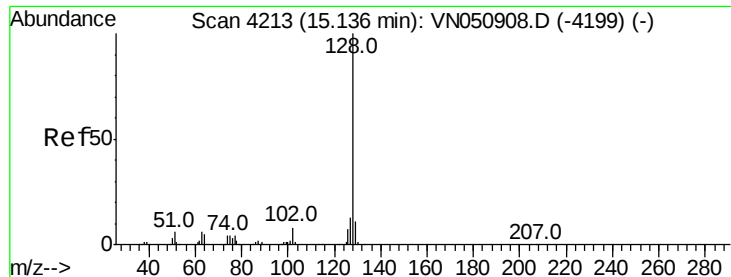
#90
 Hexachlorobutadiene
 Concen: 19.170 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051181.D
 Acq: 14 Sep 2018 11:30

Tgt Ion:225 Resp: 72729
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 127.8
 227 65.9 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: 15.619 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBSD01

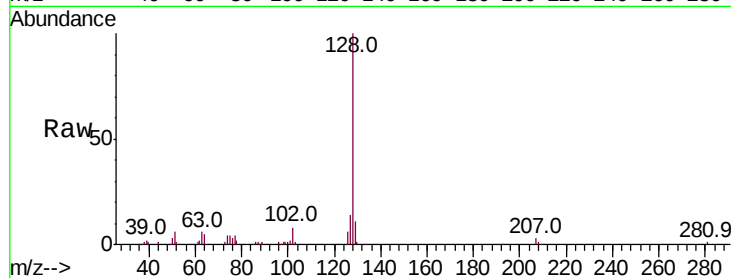
Tot Ion:128 Resp: 122912

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

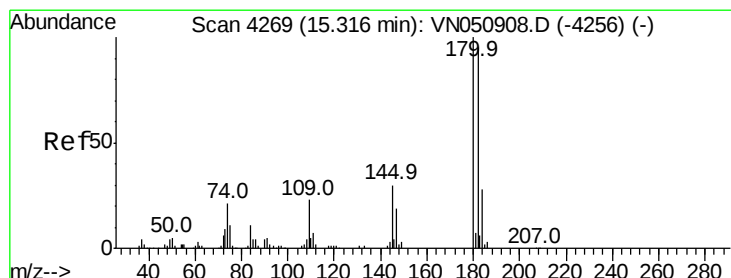
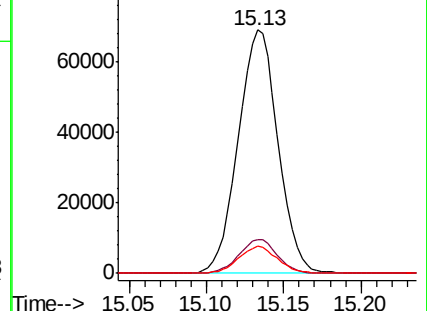
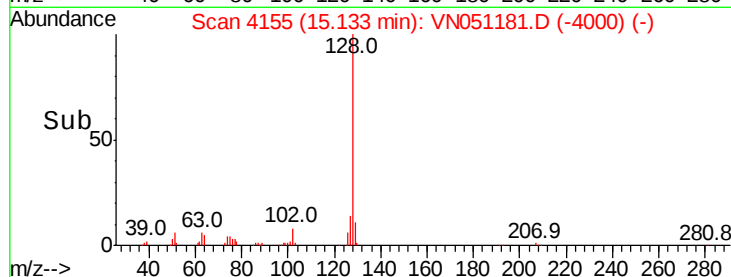
129 10.7 8.7 13.1



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: 13.342 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051181.D

Acq: 14 Sep 2018 11:30

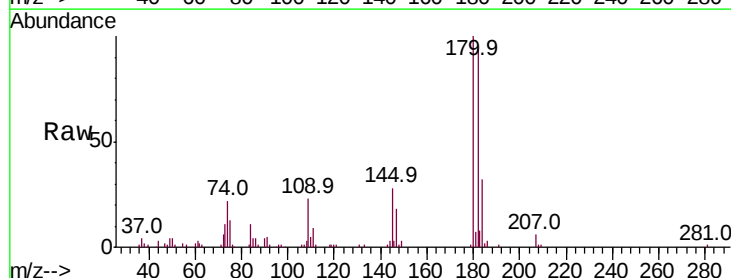
Tgt Ion:180 Resp: 74762

Ion Ratio Lower Upper

180 100

182 95.1 0.0 192.8

145 29.2 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

