

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055142.D
 Acq On : 19 Apr 2019 15:13
 Operator : JC/SP
 Sample : VN0419WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

Quant Time: Apr 20 03:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	71121	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	373486	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	321798	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165697	30.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.90%
60) 4-Bromofluorobenzene	12.40	95	142463	28.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.80%
63) Toluene-d8	10.09	98	471291	30.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	74365	17.778	ug/l 99
3) Chloromethane	2.06	50	103530	18.322	ug/l 95
4) Vinyl Chloride	2.19	62	85146	17.425	ug/l 99
5) Bromomethane	2.56	94	47575	16.832	ug/l 95
6) Chloroethane	2.70	64	47353	17.303	ug/l 98
7) Trichlorofluoromethane	3.02	101	130751	20.940	ug/l 94
8) Diethyl Ether	3.41	74	49833	24.857	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	77003	22.560	ug/l 97
10) 1,1-Dichloroethene	3.74	96	73341	23.241	ug/l 92
11) Methyl Iodide	3.95	142	109415	22.911	ug/l 96
12) Methyl Acetate	4.33	43	105044	27.062	ug/l 96
13) Acrolein	3.61	56	35119	103.235	ug/l 96
14) Acrylonitrile	4.99	53	192598	121.111	ug/l 98
15) Acetone	3.82	58	44261	112.477	ug/l 82
16) Carbon Disulfide	4.05	76	191143	18.058	ug/l 100
17) Allyl chloride	4.33	41	142911	18.390	ug/l 99
18) Methylene Chloride	4.55	84	90623	19.427	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	79021	19.236	ug/l 94
20) Diisopropyl ether	5.96	45	321780	20.439	ug/l 99
21) 1,1-Dichloroethane	5.85	63	168884	20.084	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	90593	18.973	ug/l 99
23) tert-Butyl Alcohol	4.79	59	23191	91.458	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	233034	21.992	ug/l # 66
25) Chloroform	7.37	83	160944	19.981	ug/l 99
26) Cyclohexane	7.65	56	141508	18.137	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	112754	19.385	ug/l 98
30) 2-Butanone	6.84	43	234888	121.655	ug/l 100
31) 2,2-Dichloropropane	6.82	77	97774	18.263	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	127459	20.732	ug/l 99
33) Carbon Tetrachloride	7.78	117	106147	19.942	ug/l 98
34) Benzene	8.04	78	354811	20.584	ug/l 98
35) Methacrylonitrile	7.17	41	39984	17.570	ug/l 94
36) 1,2-Dichloroethane	8.13	62	124831	21.190	ug/l 99
37) Trichloroethene	8.83	130	86760	19.744	ug/l 93
38) Methylcyclohexane	9.08	83	115334	17.098	ug/l 99
39) 1,2-Dichloropropane	9.12	63	101750	21.378	ug/l 100
40) Dibromomethane	9.21	93	58588	21.778	ug/l 98

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Quant Time: Apr 20 03:40:04 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	114332	20.592	ug/l	99
42) Vinyl Acetate	5.90	43	1090615	111.731	ug/l	99
43) Ethyl Acetate	6.93	43	92926	23.625	ug/l	99
44) Isopropyl Acetate	8.17	43	170262	25.542	ug/l	93
45) 1,4-Dioxane	9.20	88	18644	504.849	ug/l	92
46) Methyl methacrylate	9.20	41	79921	23.177	ug/l	97
47) n-amyl Acetate	12.07	43	111869	22.785	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	102527	20.109	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	125109	19.877	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	78977	21.614	ug/l	99
51) Ethyl methacrylate	10.43	69	96491	22.153	ug/l	97
52) 1,3-Dichloropropane	10.71	76	141552	22.108	ug/l	100
53) Dibromochloromethane	10.90	129	79797	21.201	ug/l	100
54) 1,2-Dibromoethane	11.00	107	76249	22.228	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	189686	104.169	ug/l	100
56) Bromoform	12.13	173	49649	20.993	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	496495	133.790	ug/l	99
59) 2-Hexanone	10.75	43	311653	132.196	ug/l	100
61) Tetrachloroethene	10.63	164	82219	19.633	ug/l	97
62) Toluene	10.16	91	362596	20.450	ug/l	97
64) Chlorobenzene	11.43	112	211221	19.732	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	77717	20.414	ug/l	96
66) Ethyl Benzene	11.51	91	368315	19.378	ug/l	100
67) m/p-Xylenes	11.62	106	274038	38.788	ug/l	100
68) o-Xylene	11.95	106	139239	19.943	ug/l	97
69) Styrene	11.96	104	207191	19.111	ug/l	99
70) Isopropylbenzene	12.25	105	364490	19.526	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	105753	24.769	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	114185	32.384	ug/l	49
73) Bromobenzene	12.53	156	85485	19.375	ug/l	97
74) n-propylbenzene	12.59	91	384427	18.395	ug/l	100
75) 2-Chlorotoluene	12.67	91	242109	19.209	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	281727	18.668	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	19299	21.714	ug/l	94
78) 4-Chlorotoluene	12.77	91	218966	18.233	ug/l	100
79) tert-butylbenzene	12.99	119	247162	18.927	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	270648	18.255	ug/l	98
81) sec-Butylbenzene	13.17	105	311663	17.862	ug/l	98
82) p-Isopropyltoluene	13.29	119	255415	17.345	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	133478	18.083	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	122082	17.405	ug/l	98
85) n-Butylbenzene	13.61	91	170843	14.565	ug/l	99
86) Hexachloroethane	13.87	117	43069	18.270	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	136163	18.836	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13803	24.325	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	41234	12.759	ug/l	93
90) Hexachlorobutadiene	15.01	225	38739	16.441	ug/l	99
91) Naphthalene	15.13	128	102114	15.090	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	48374	14.966	ug/l	98

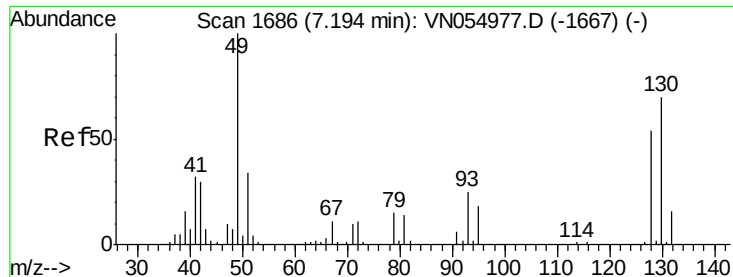
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
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Acq On : 19 Apr 2019 15:13
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

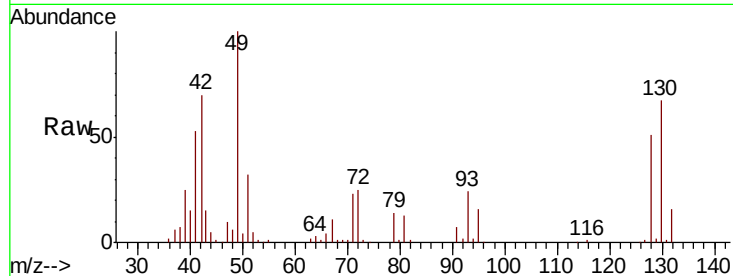
Tot Ion:128 Resp: 71121

Ion Ratio Lower Upper

128 100

49 193.1 0.0 480.3

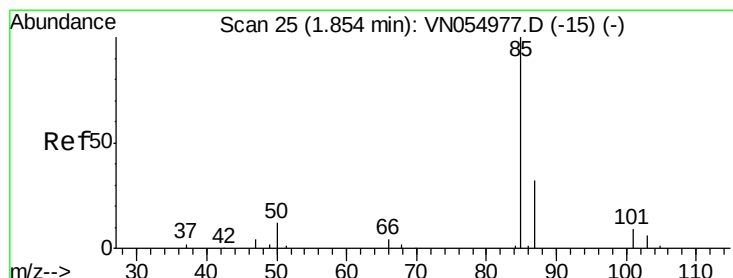
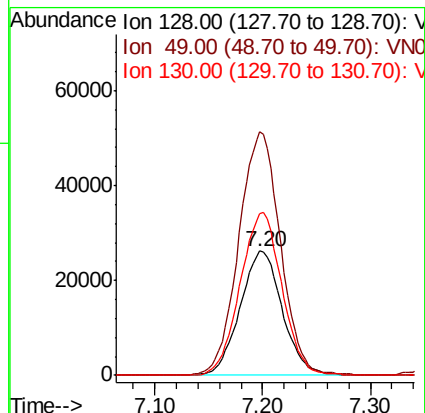
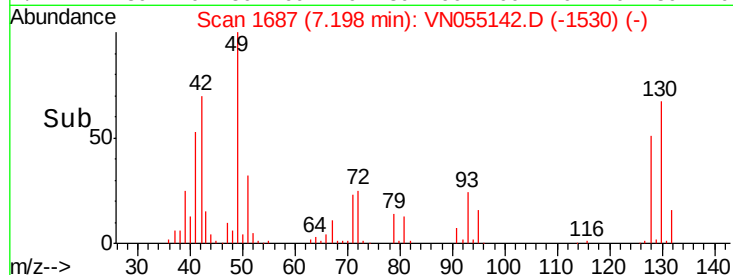
130 129.8 0.0 322.2



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: 17.778 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055142.D

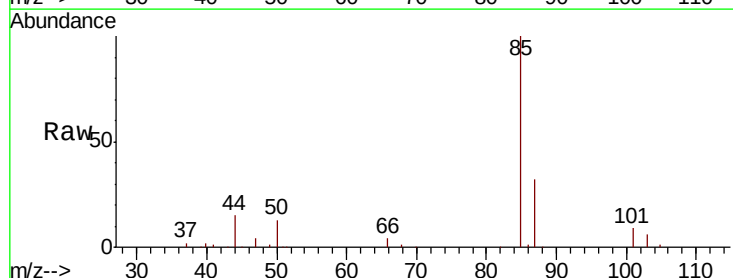
Acq: 19 Apr 2019 15:13

Tgt Ion: 85 Resp: 74365

Ion Ratio Lower Upper

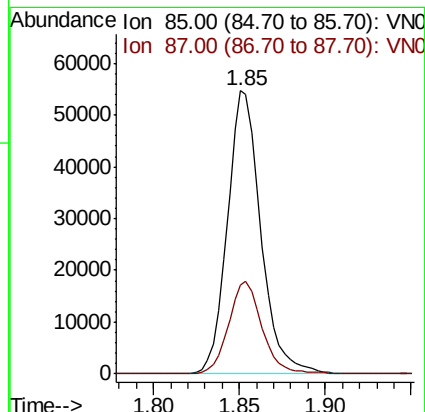
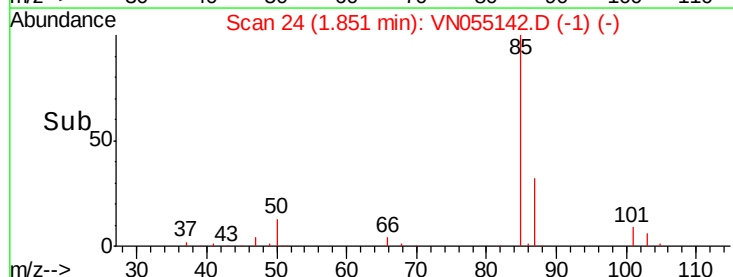
85 100

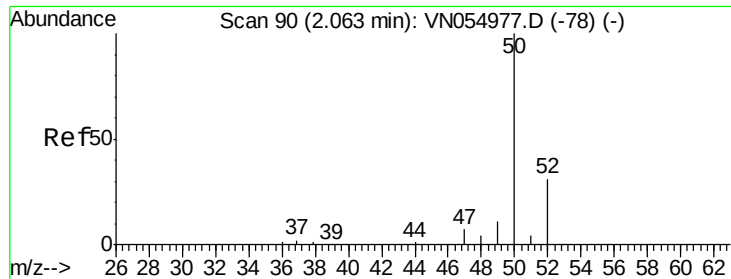
87 31.6 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.322 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

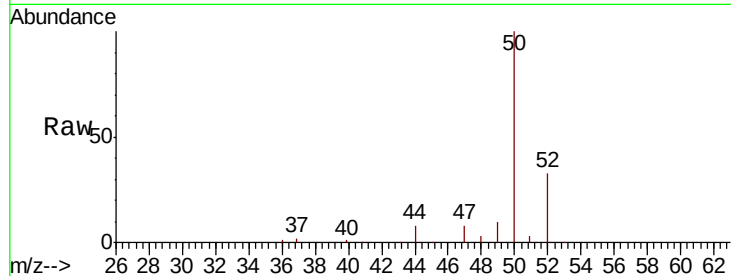
VN0419WBSD01

Tot Ion: 50 Resp: 103530

Ion Ratio Lower Upper

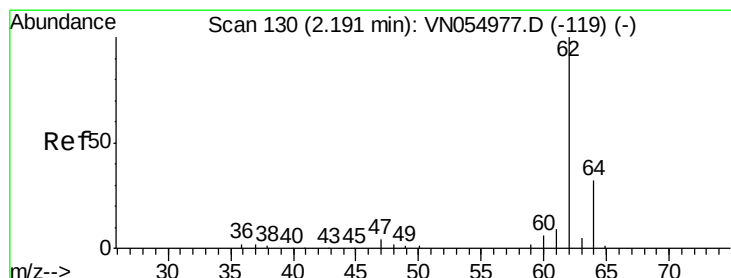
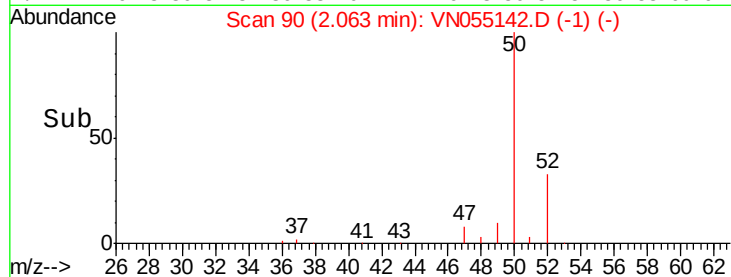
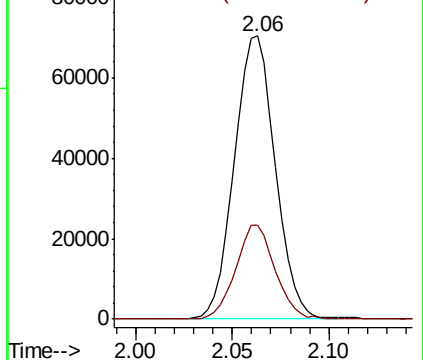
50 100

52 33.3 24.5 36.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 17.425 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.01 min

Lab File: VN055142.D

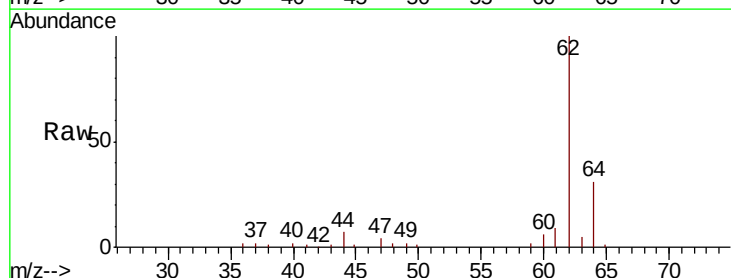
Acq: 19 Apr 2019 15:13

Tgt Ion: 62 Resp: 85146

Ion Ratio Lower Upper

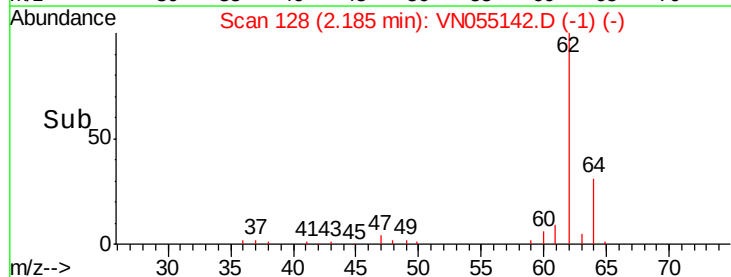
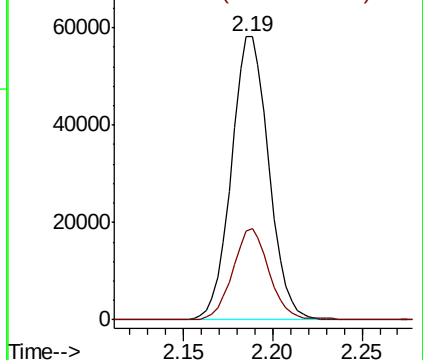
62 100

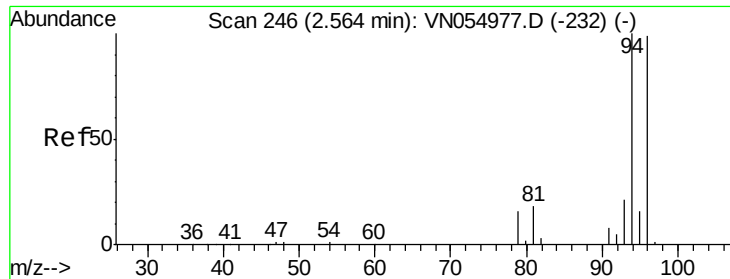
64 31.2 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

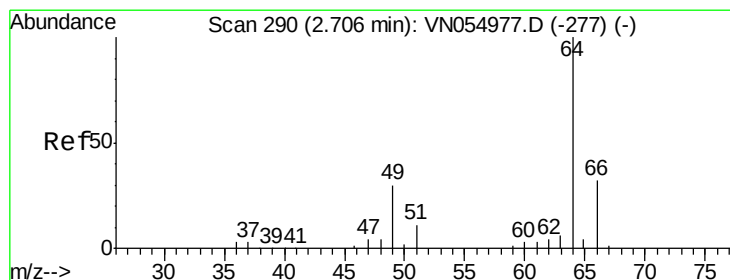
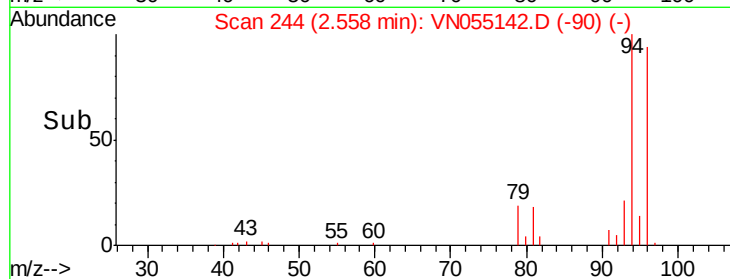
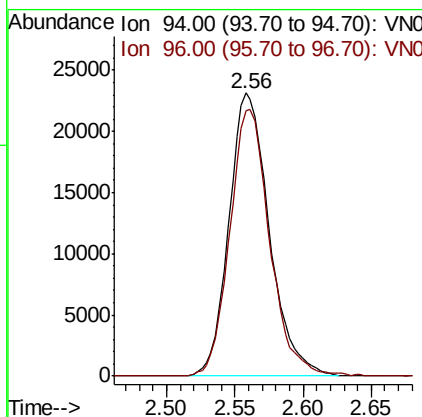
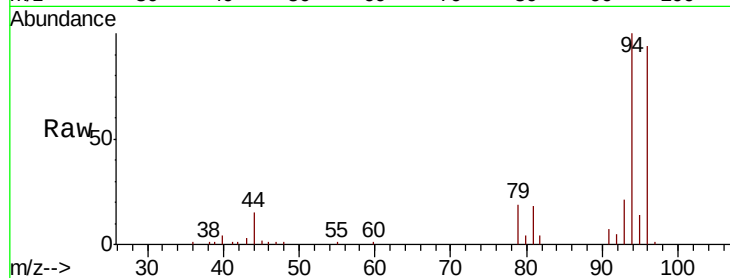




#5
Bromomethane
Concen: 16.832 ug/l
RT: 2.56 min Scan# 244
Delta R.T. -0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

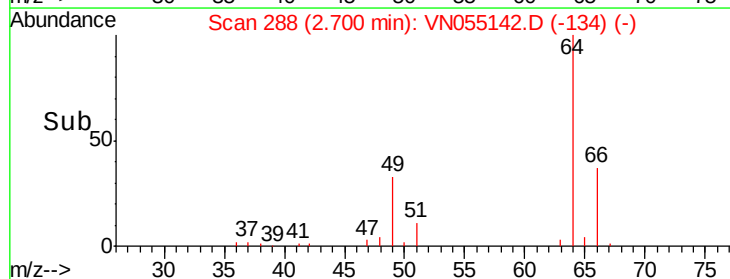
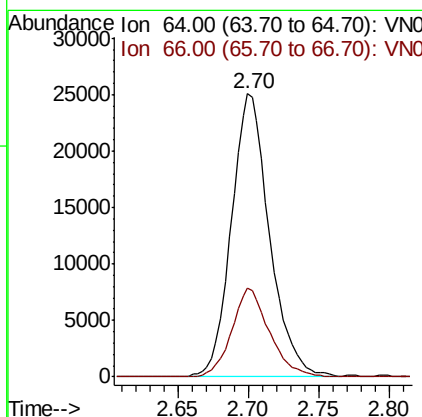
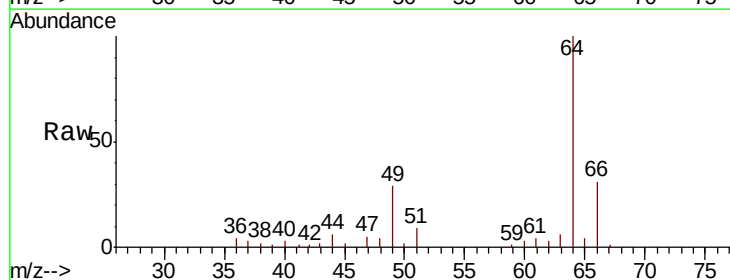
Instrument :
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ClientSampleId :
VN0419WBSD01

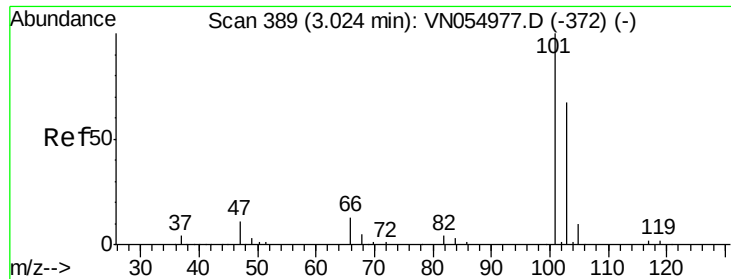
Tot Ion: 94 Resp: 47575
Ion Ratio Lower Upper
94 100
96 93.8 79.1 118.7



#6
Chloroethane
Concen: 17.303 ug/l
RT: 2.70 min Scan# 288
Delta R.T. -0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 64 Resp: 47353
Ion Ratio Lower Upper
64 100
66 31.2 25.7 38.5



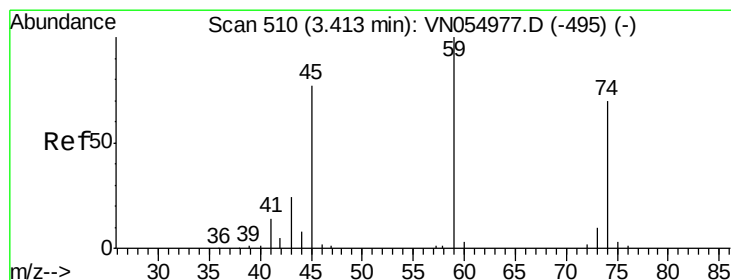
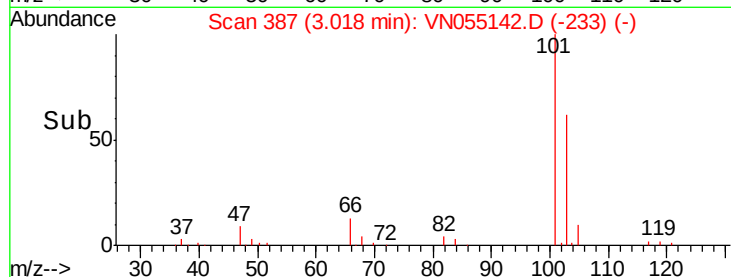
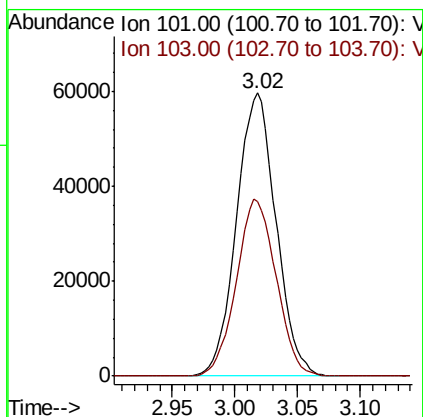
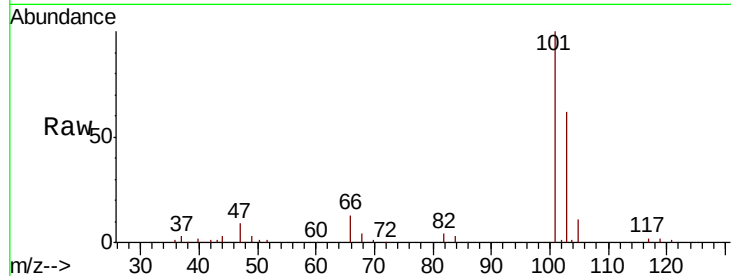


#7

Trichlorofluoromethane
Concen: 20.940 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

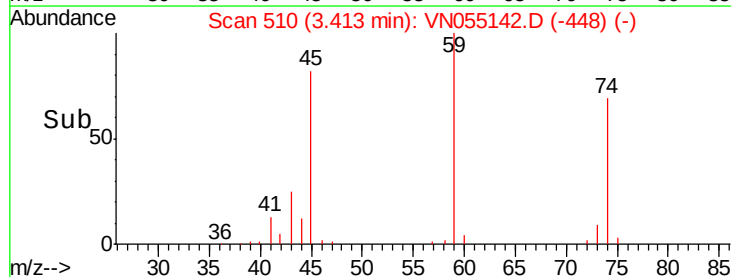
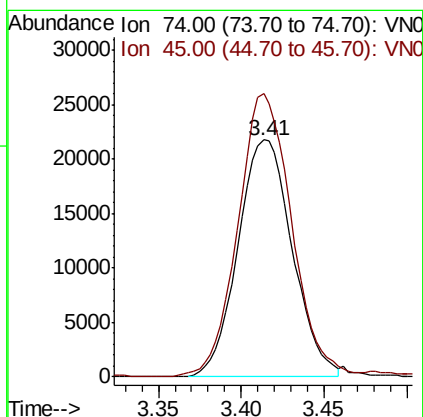
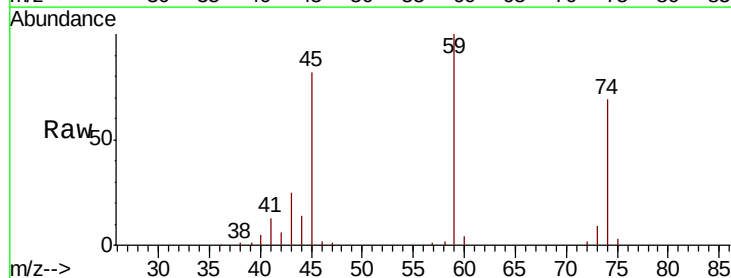
Tot Ion:101 Resp: 130751
Ion Ratio Lower Upper
101 100
103 61.6 53.4 80.0

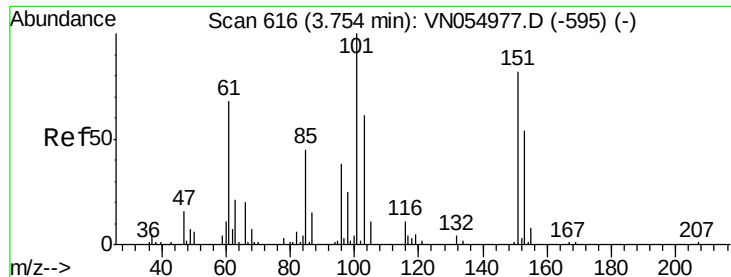


#8

Diethyl Ether
Concen: 24.857 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 74 Resp: 49833
Ion Ratio Lower Upper
74 100
45 118.4 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.560 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampled :

VN0419WBSD01

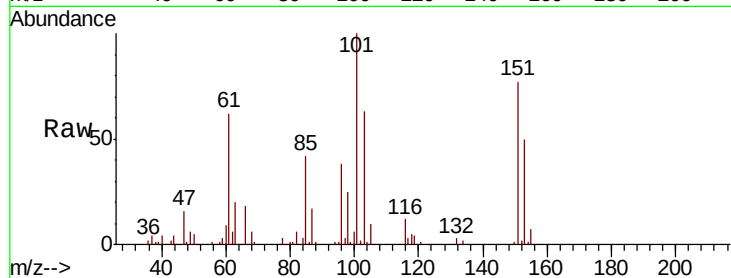
Tot Ion:101 Resp: 77003

Ion Ratio Lower Upper

101 100

85 44.4 0.0 91.4

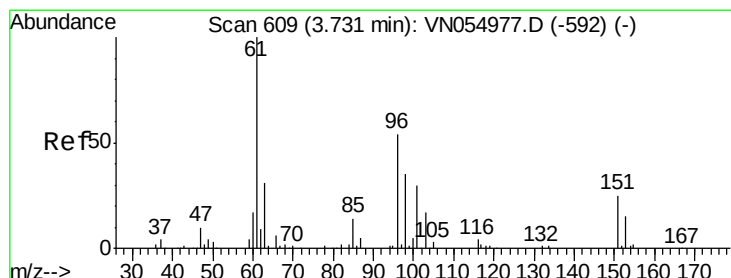
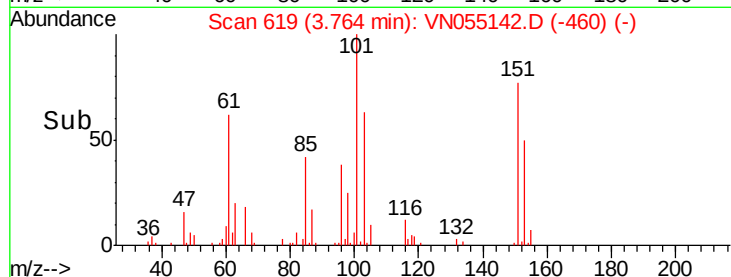
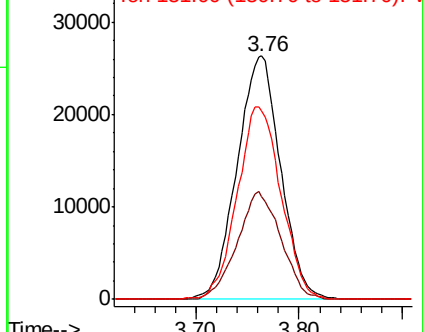
151 79.8 0.0 165.6



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: 23.241 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

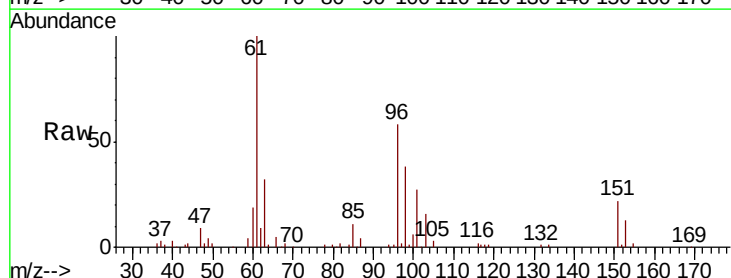
Tgt Ion: 96 Resp: 73341

Ion Ratio Lower Upper

96 100

61 171.1 148.4 222.6

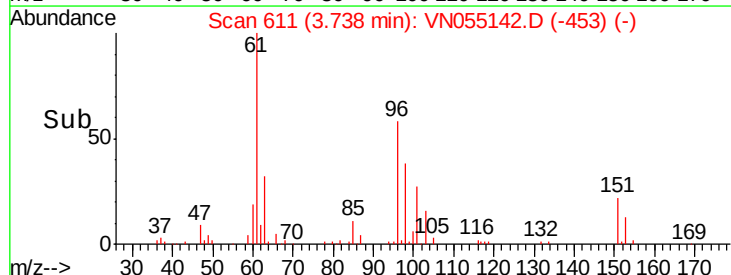
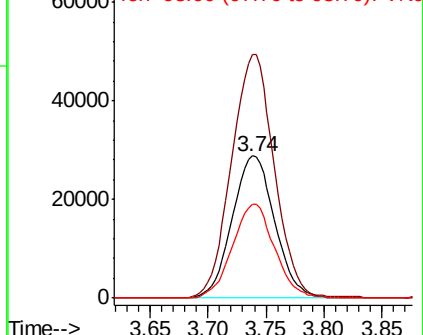
98 65.7 52.2 78.2

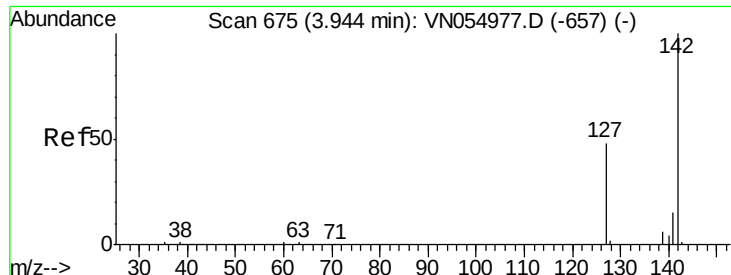


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

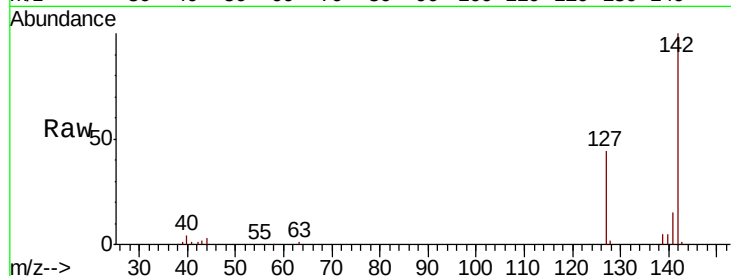




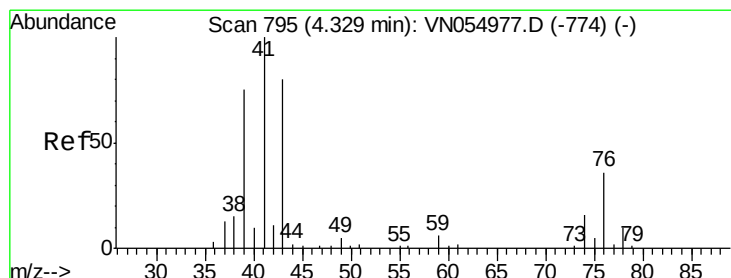
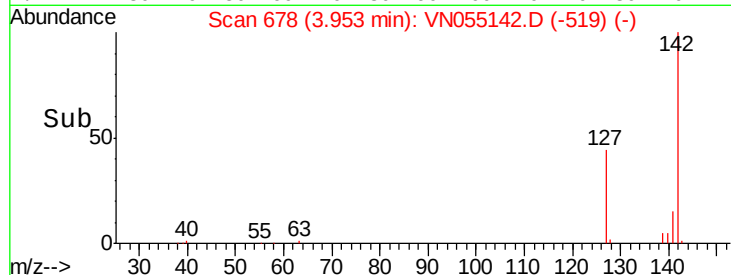
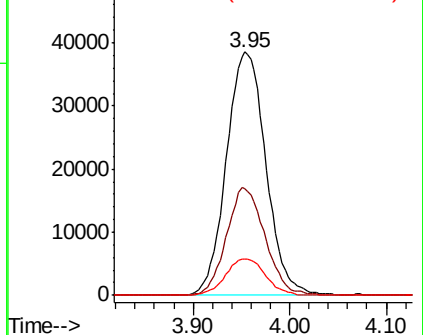
#11
Methyl Iodide
Concen: 22.911 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampled :
VN0419WBSD01

Tot Ion:142 Resp: 109415
Ion Ratio Lower Upper
142 100
127 43.9 23.8 71.5
141 14.8 7.3 22.0

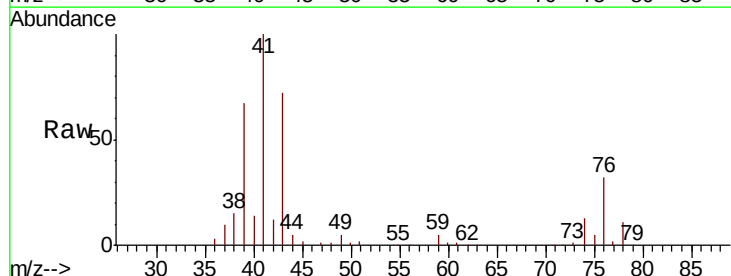


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

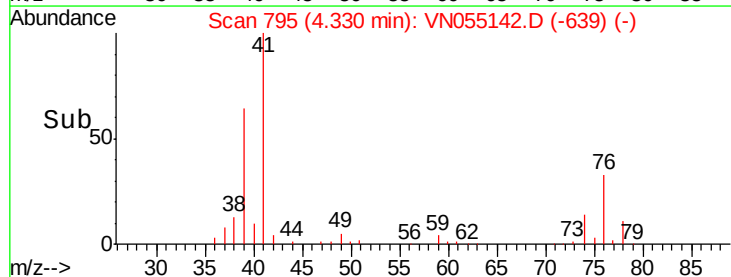
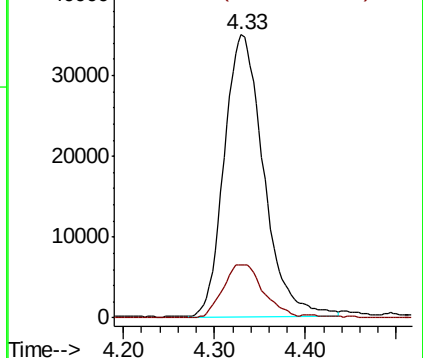


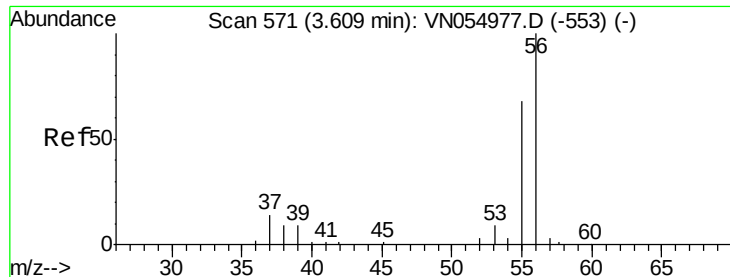
#12
Methyl Acetate
Concen: 27.062 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 43 Resp: 105044
Ion Ratio Lower Upper
43 100
74 18.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 103.235 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

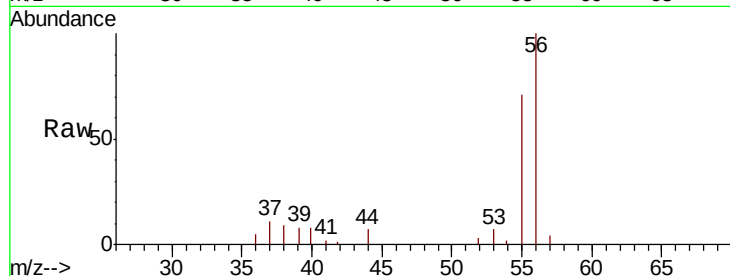
VN0419WBSD01

Tot Ion: 56 Resp: 35119

Ion Ratio Lower Upper

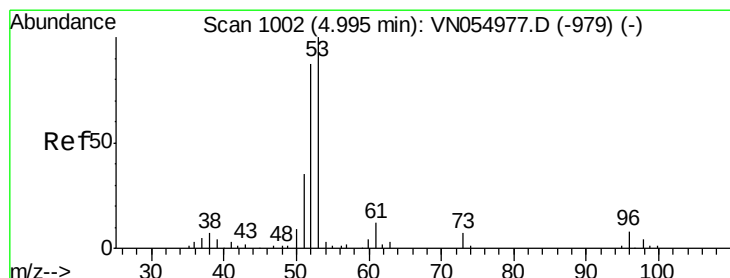
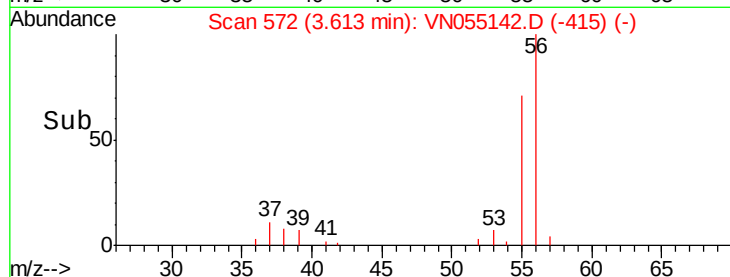
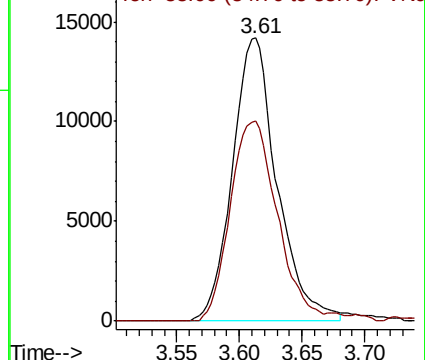
56 100

55 74.2 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 121.111 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

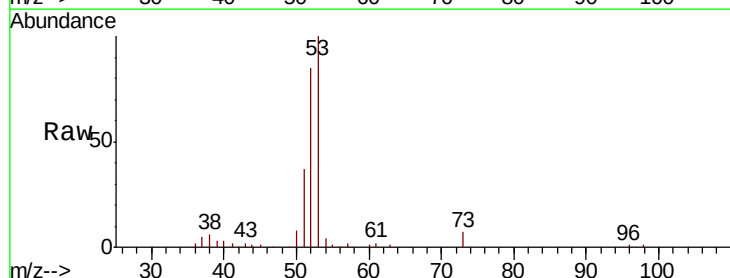
Tgt Ion: 53 Resp: 192598

Ion Ratio Lower Upper

53 100

52 83.3 42.3 126.8

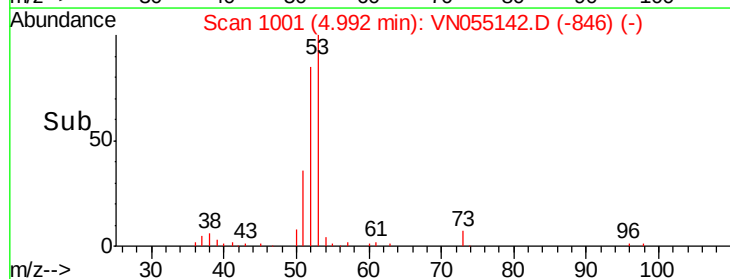
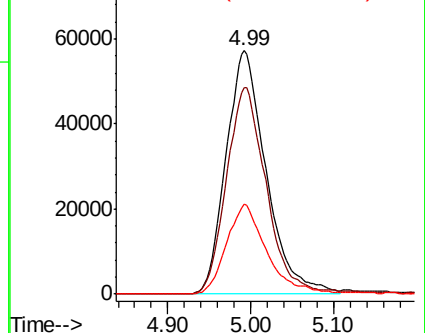
51 35.4 18.6 56.0

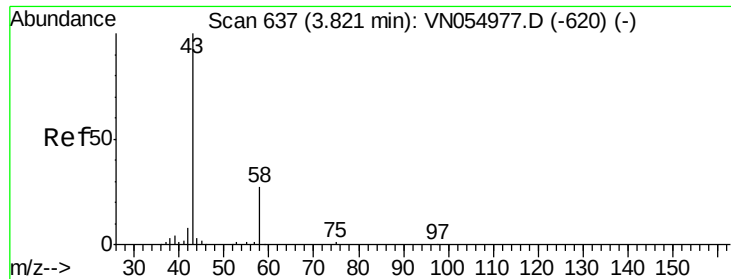


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 112.477 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

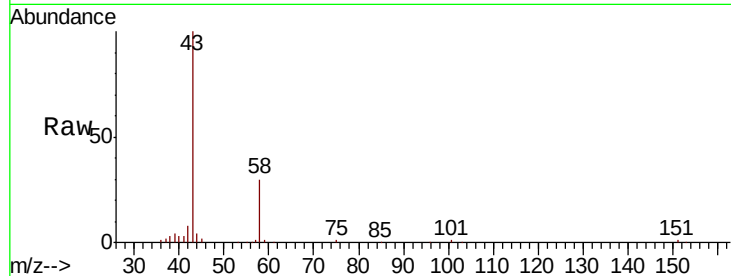
VN0419WBSD01

Tot Ion: 58 Resp: 44261

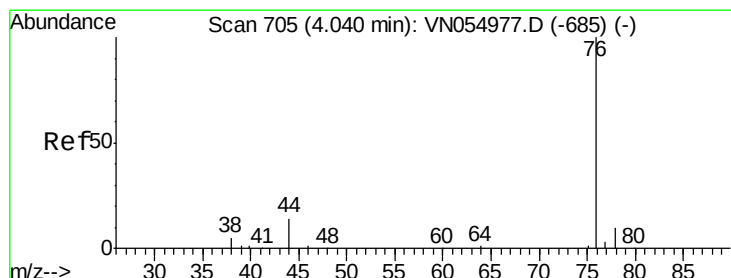
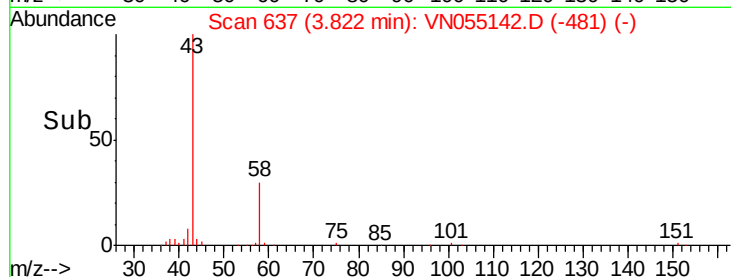
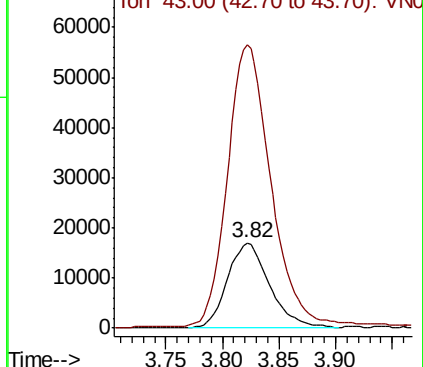
Ion Ratio Lower Upper

58 100

43 329.8 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)



#16

Carbon Disulfide

Concen: 18.058 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN055142.D

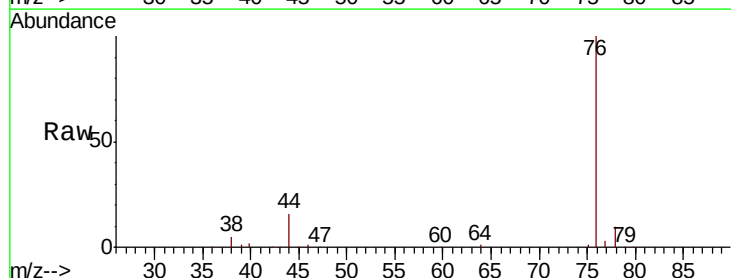
Acq: 19 Apr 2019 15:13

Tgt Ion: 76 Resp: 191143

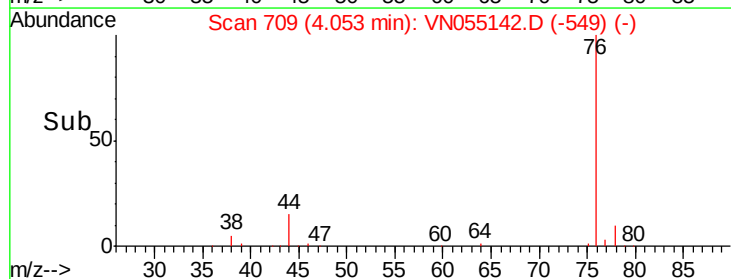
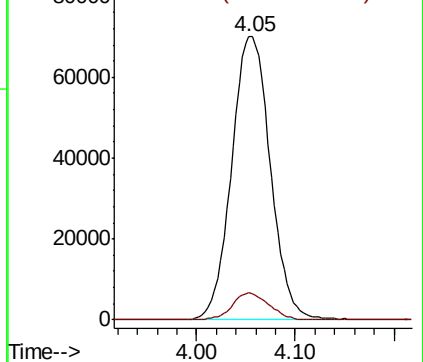
Ion Ratio Lower Upper

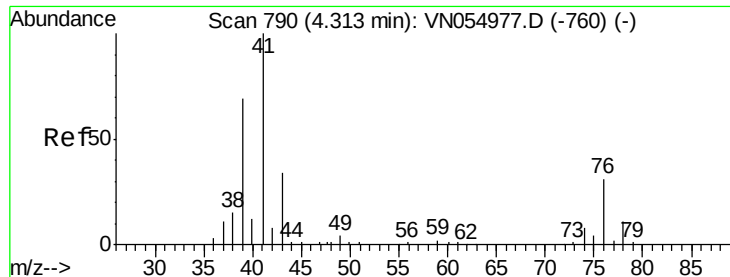
76 100

78 9.5 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

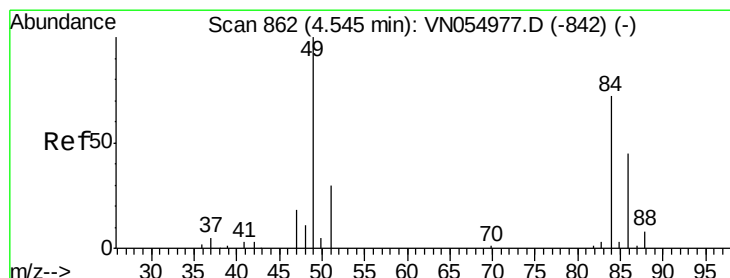
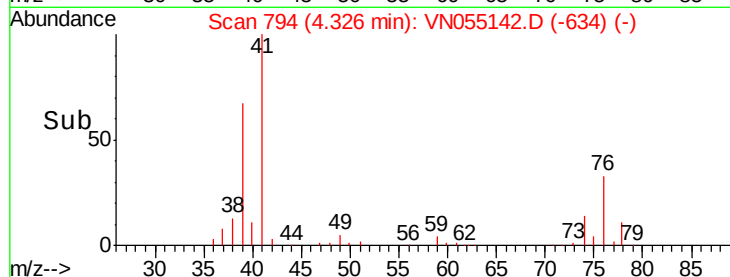
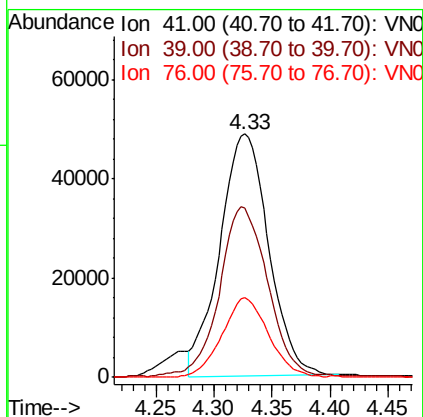
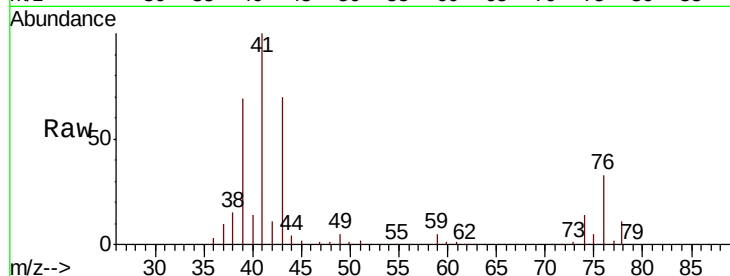




#17
Allvl chloride
Concen: 18.390 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

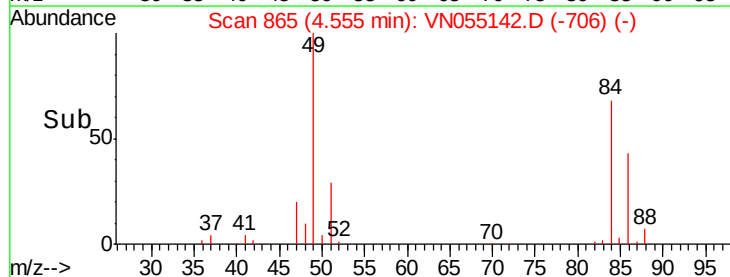
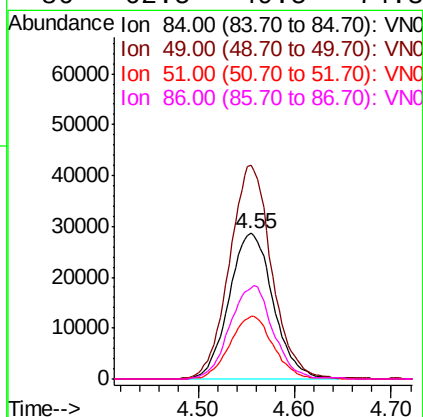
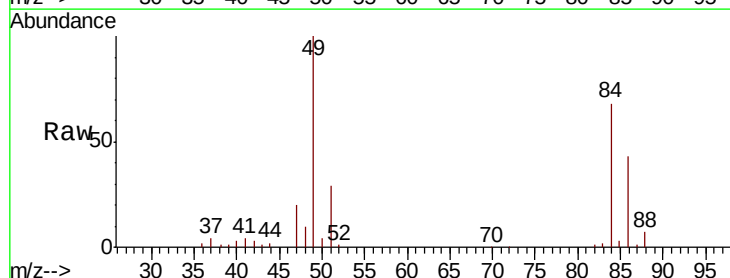
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

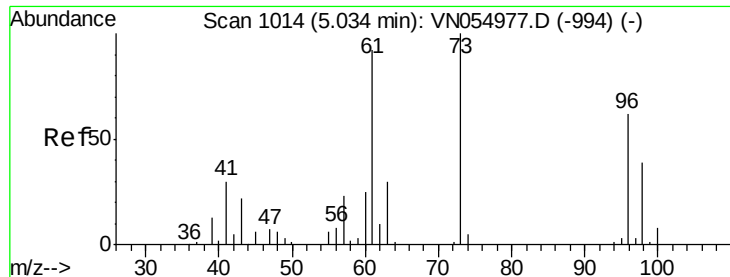
Tot Ion: 41 Resp: 142911
Ion Ratio Lower Upper
41 100
39 69.2 34.3 102.9
76 32.5 15.8 47.3



#18
Methylene Chloride
Concen: 19.427 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 84 Resp: 90623
Ion Ratio Lower Upper
84 100
49 145.9 111.0 166.4
51 42.2 33.4 50.2
86 62.5 49.5 74.3

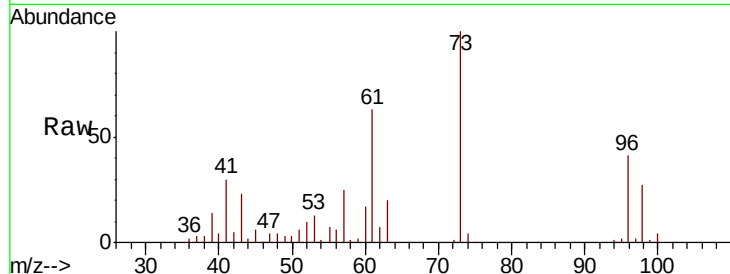




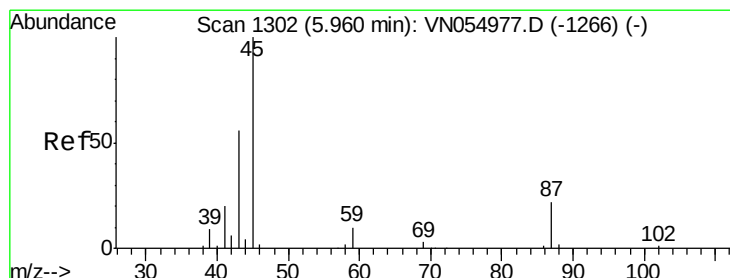
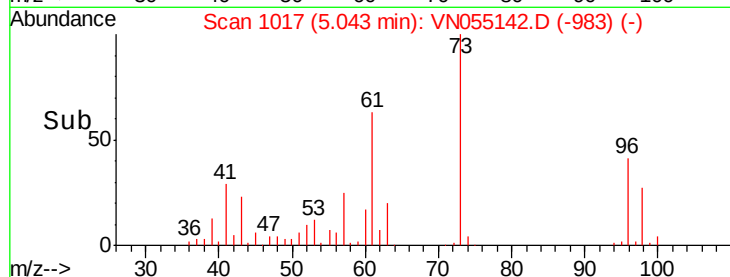
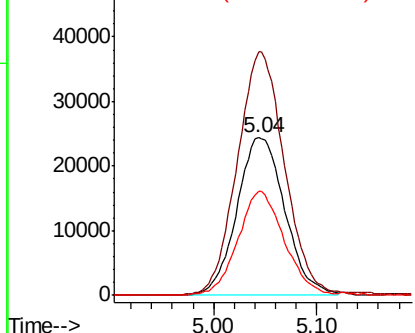
#19
trans-1,2-Dichloroethene
Concen: 19.236 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tot Ion: 96 Resp: 79021
Ion Ratio Lower Upper
96 100
61 153.5 117.2 175.8
98 66.1 49.4 74.2

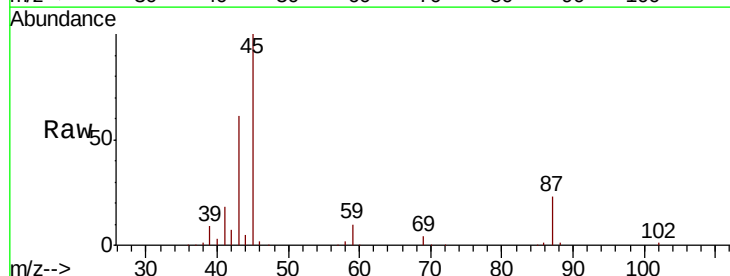


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

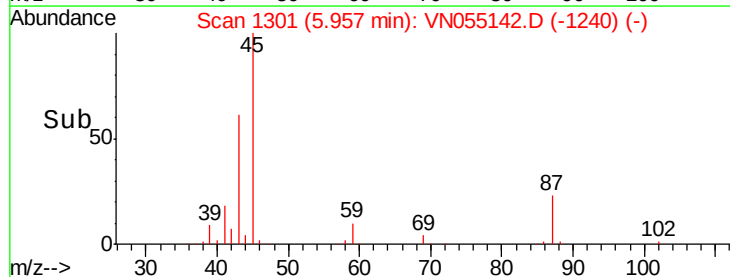
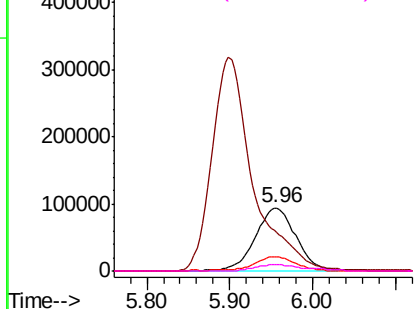


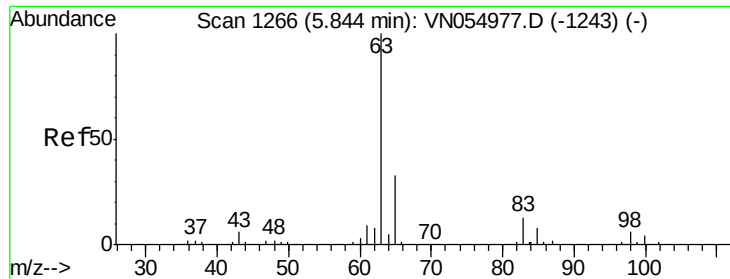
#20
Diisopropyl ether
Concen: 20.439 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 45 Resp: 321780
Ion Ratio Lower Upper
45 100
43 58.2 45.8 68.8
87 22.4 18.2 27.4
59 10.3 8.2 12.2



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

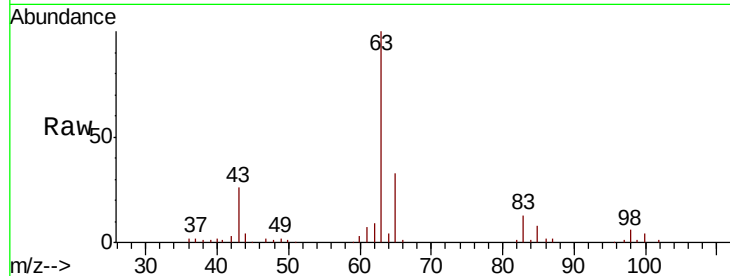




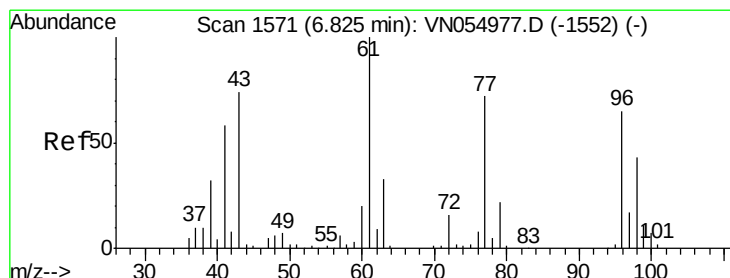
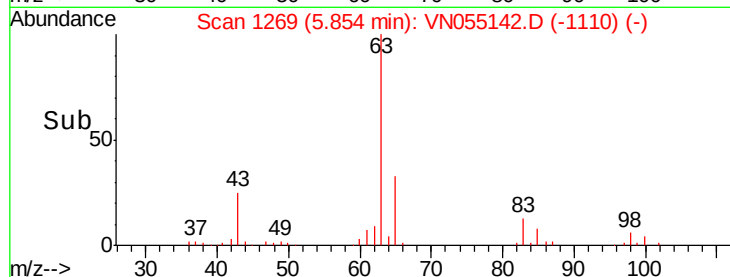
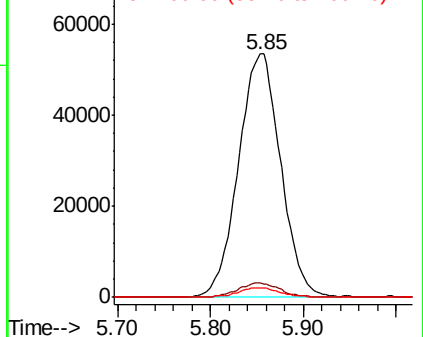
#21
 1,1-Dichloroethane
 Concen: 20.084 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBSD01

Tot Ion: 63 Resp: 168884
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.9 2.0 5.8

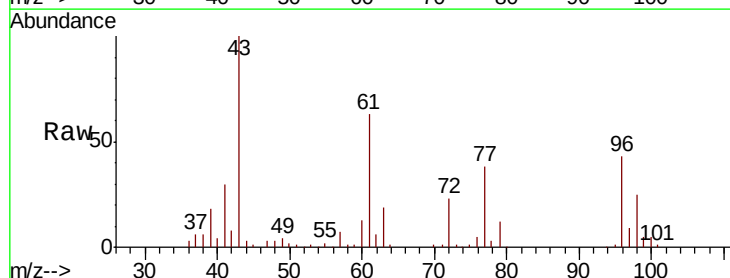


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

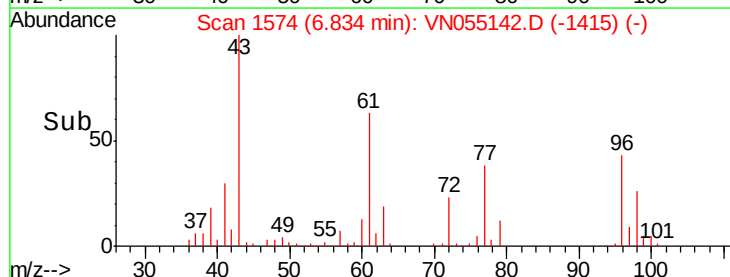
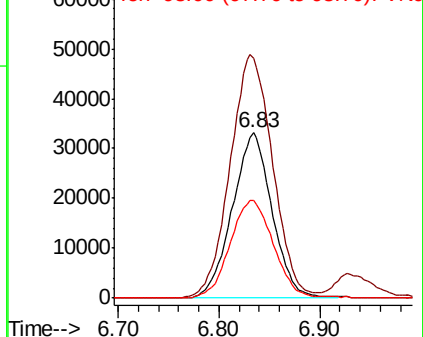


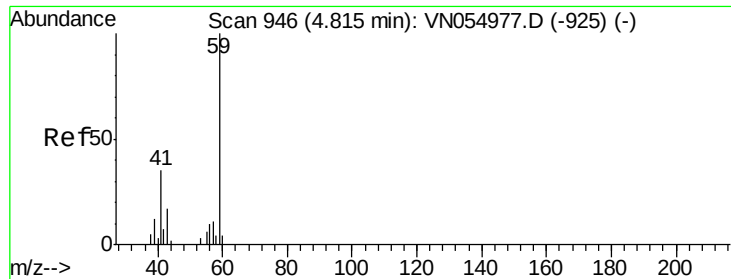
#22
 cis-1,2-Dichloroethene
 Concen: 18.973 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion: 96 Resp: 90593
 Ion Ratio Lower Upper
 96 100
 61 157.9 125.0 187.6
 98 64.0 52.2 78.2



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



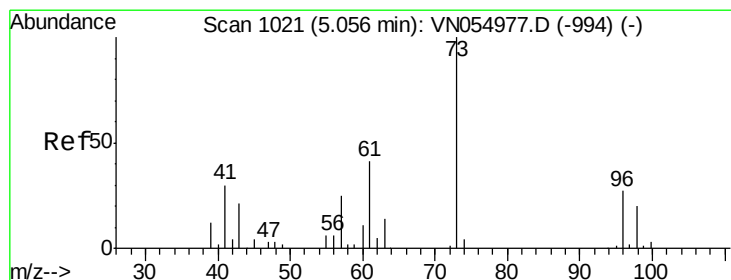
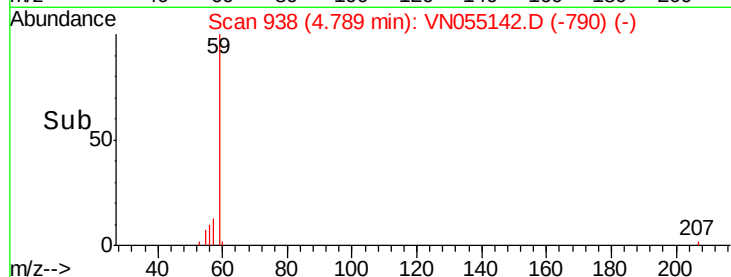
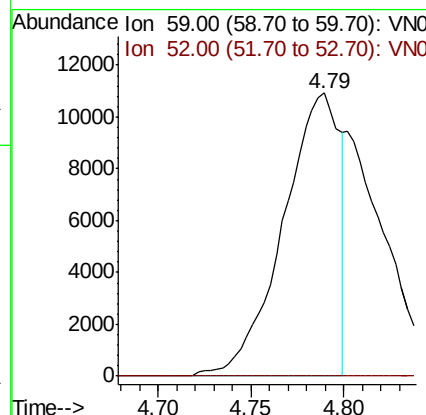
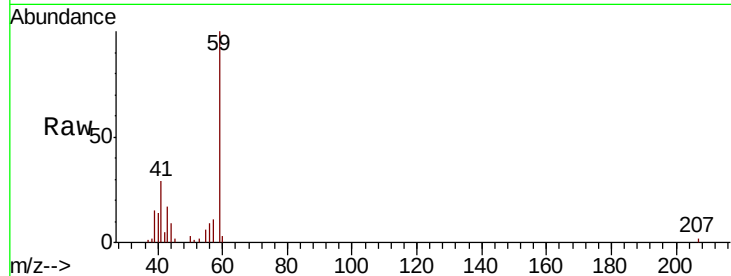


#23

tert-Butyl Alcohol
 Concen: 91.458 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBSD01

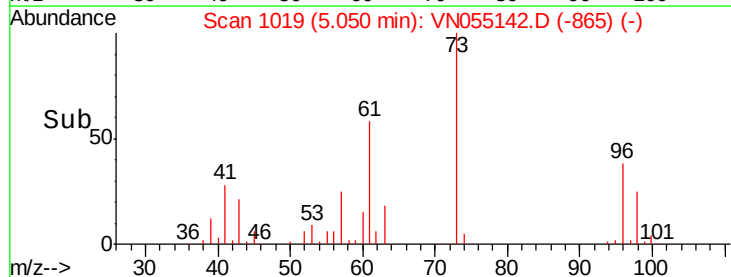
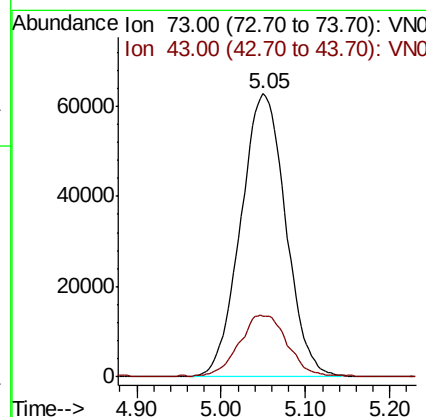
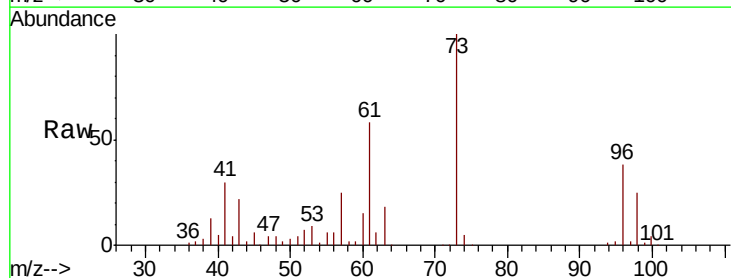
Tot Ion: 59 Resp: 23191
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

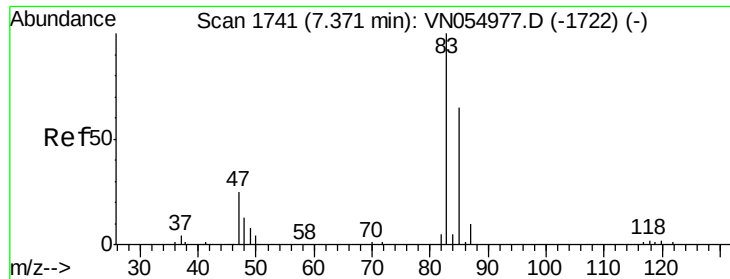


#24

Methyl tert-Butyl Ether
 Concen: 21.992 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion: 73 Resp: 233034
 Ion Ratio Lower Upper
 73 100
 43 22.7 8.0 12.0#

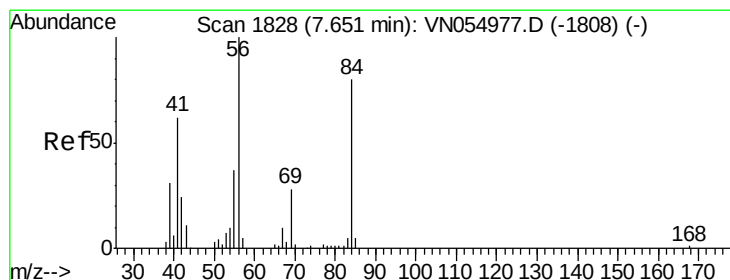
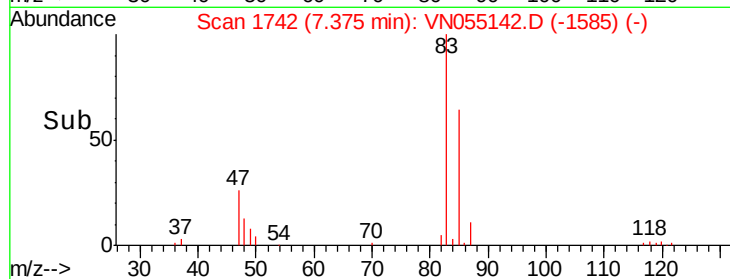
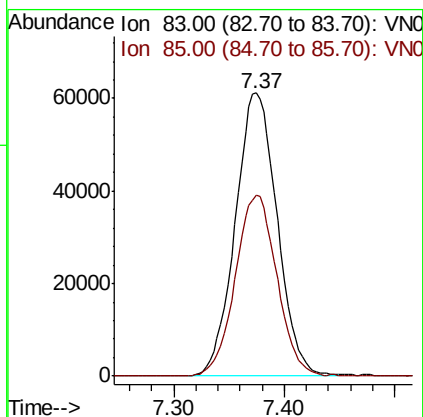
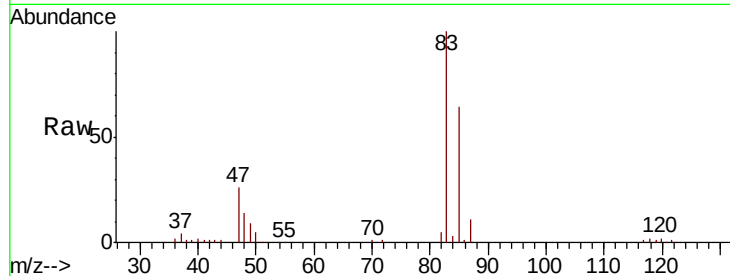




#25
Chloroform
Concen: 19.981 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

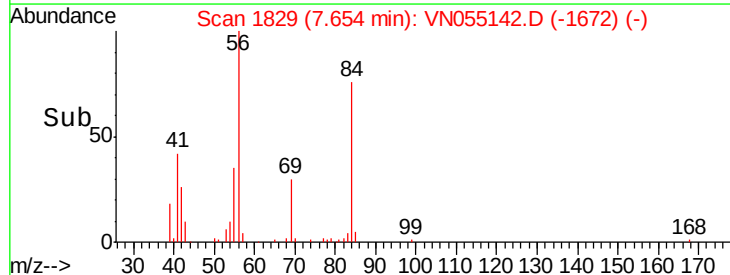
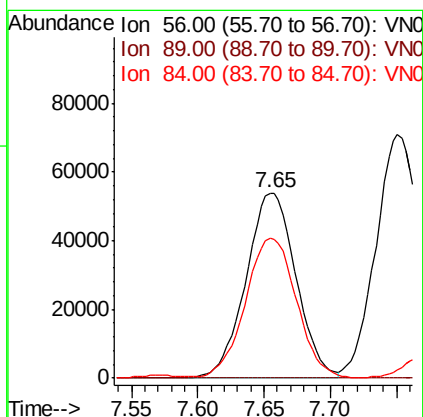
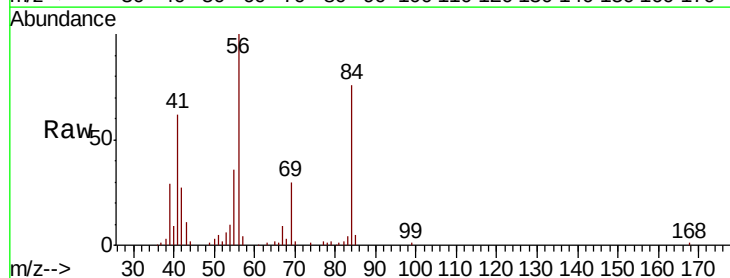
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

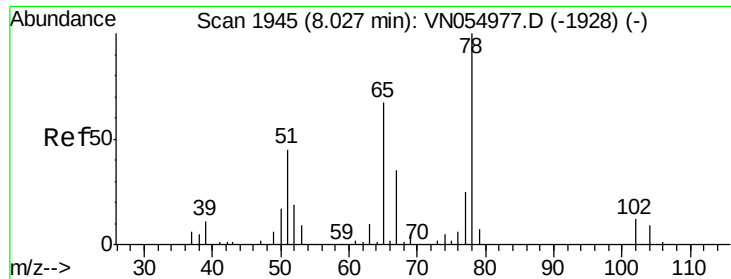
Tot Ion: 83 Resp: 160944
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.8



#26
Cyclohexane
Concen: 18.137 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 56 Resp: 141508
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.6 63.5 95.3

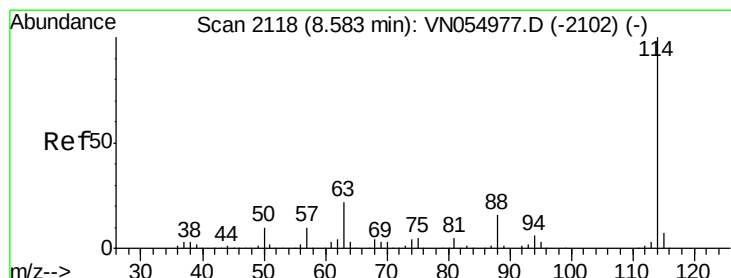
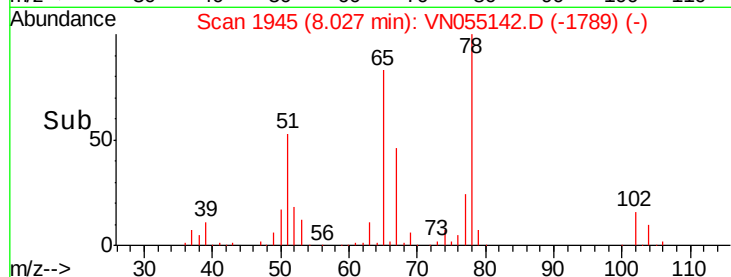
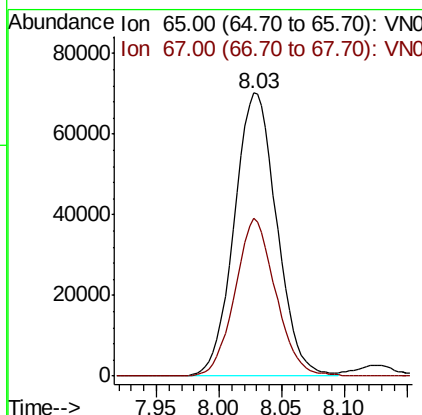
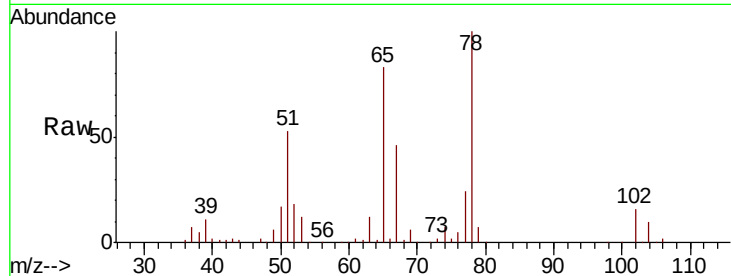




#27
 1,2-Dichloroethane-d4
 Concen: 18.137 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

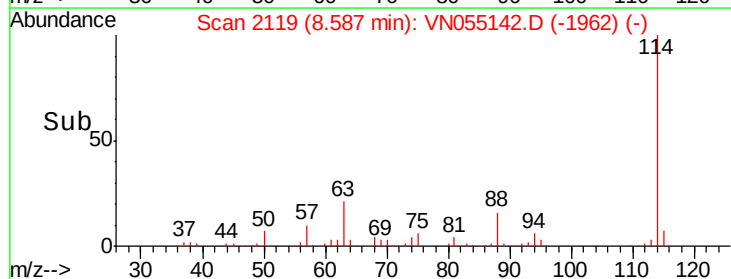
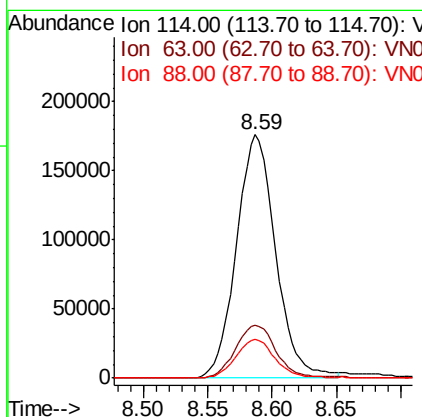
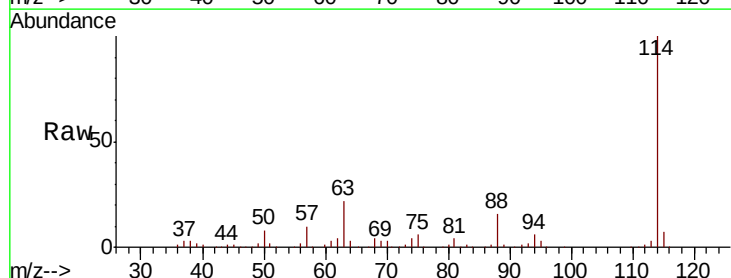
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

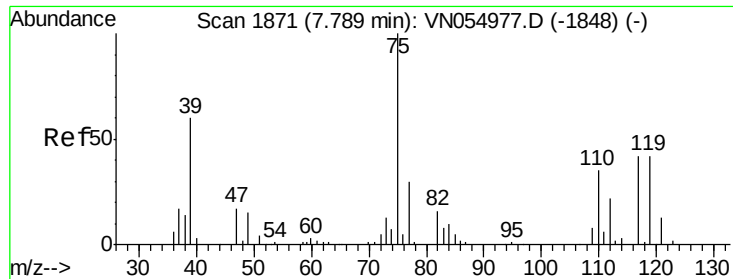
Tot Ion: 65 Resp: 165697
 Ion Ratio Lower Upper
 65 100
 67 53.3 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion: 114 Resp: 373486
 Ion Ratio Lower Upper
 114 100
 63 22.3 17.0 25.4
 88 16.0 12.3 18.5

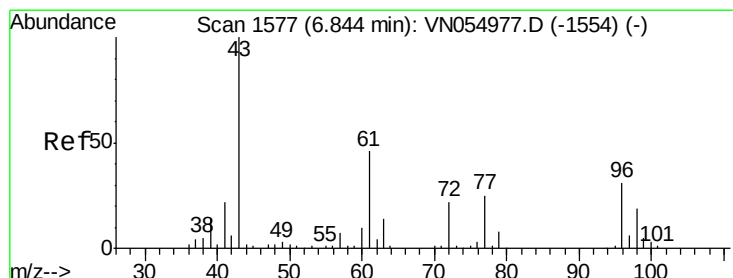
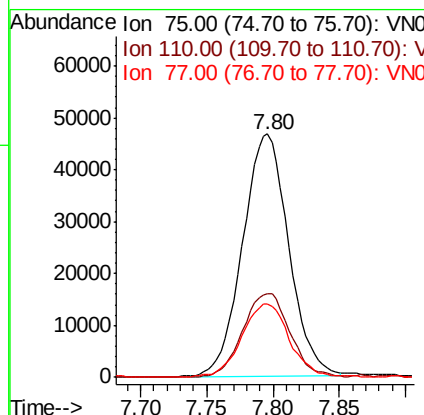
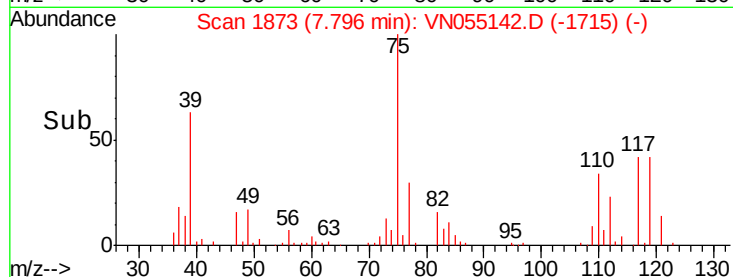
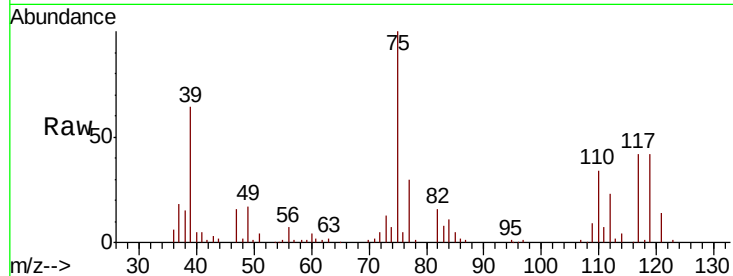




#29
 1,1-Dichloropropene
 Concen: 19.385 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.01 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

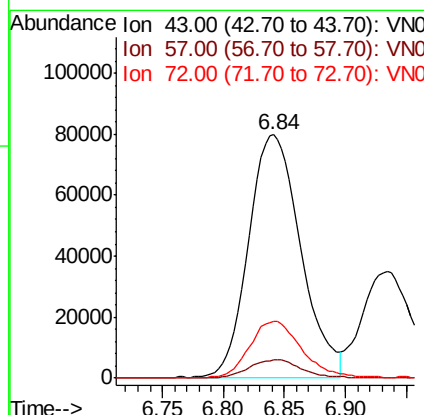
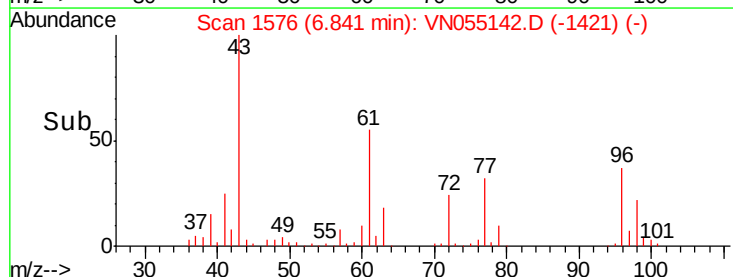
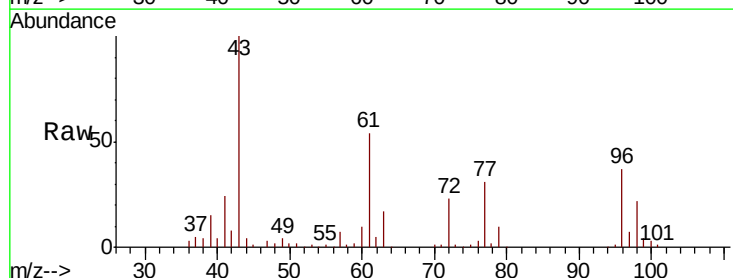
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

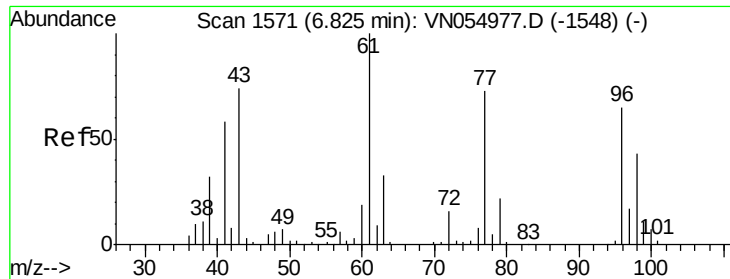
Tot Ion: 75 Resp: 112754
 Ion Ratio Lower Upper
 75 100
 110 35.5 0.0 68.4
 77 30.7 0.0 58.6



#30
 2-Butanone
 Concen: 121.655 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion: 43 Resp: 234888
 Ion Ratio Lower Upper
 43 100
 57 7.5 6.0 9.0
 72 23.5 18.6 27.8

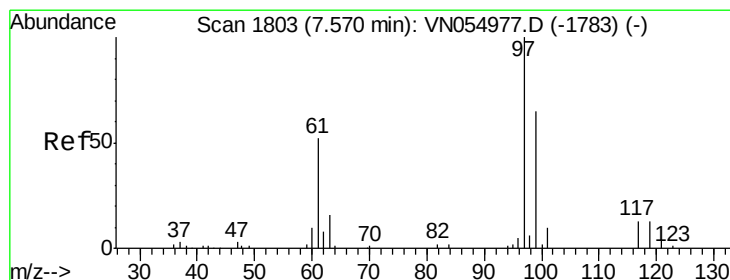
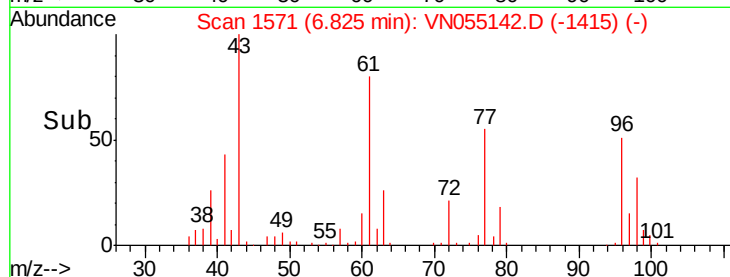
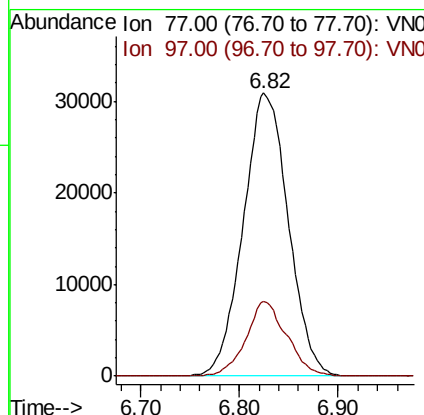
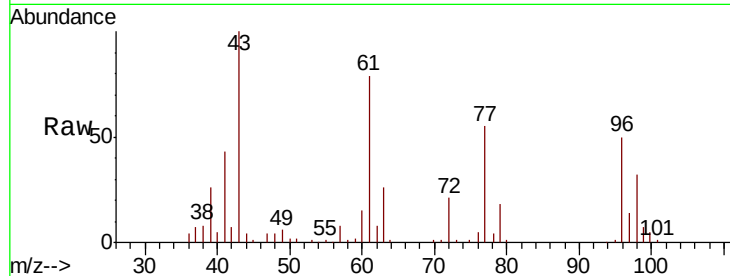




#31
 2,2-Dichloropropane
 Concen: 18.263 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

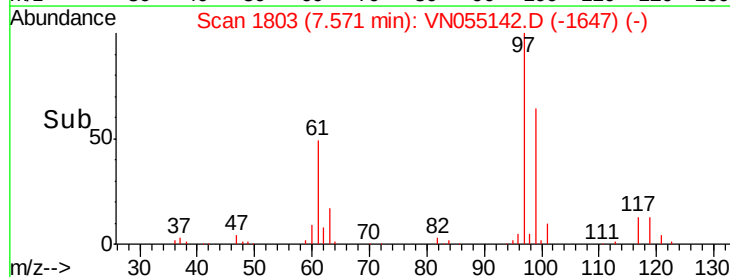
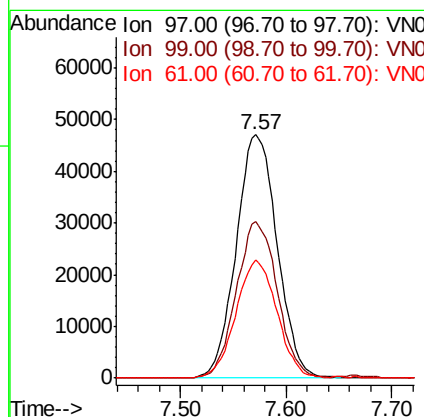
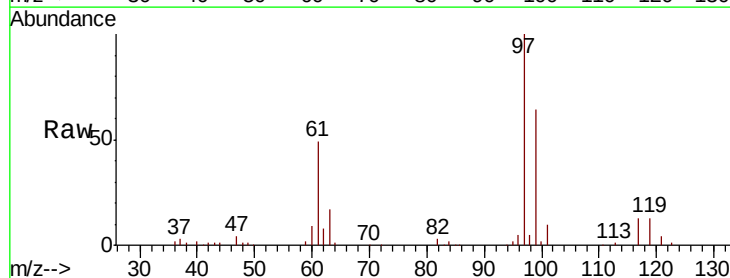
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

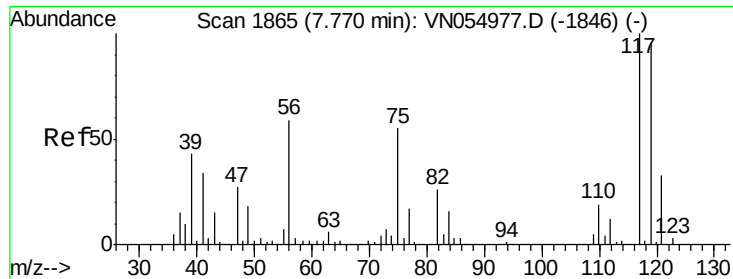
Tot Ion: 77 Resp: 97774
 Ion Ratio Lower Upper
 77 100
 97 23.8 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 20.732 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion: 97 Resp: 127459
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.2 76.8
 61 48.6 40.6 60.8

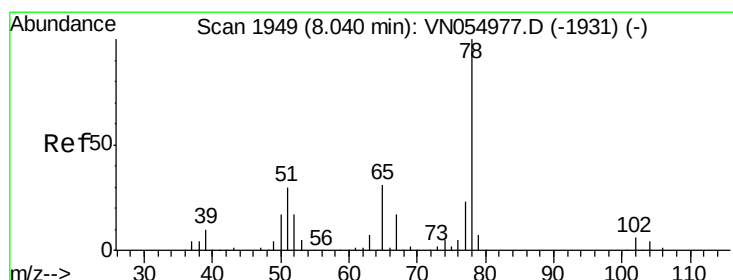
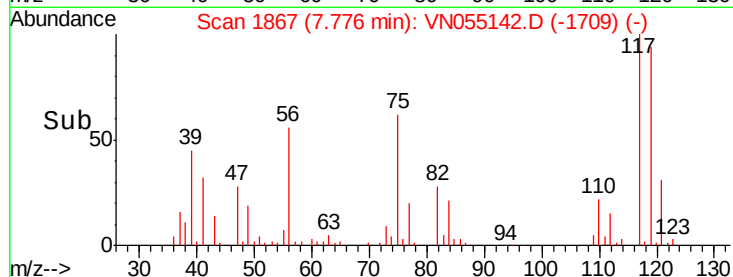
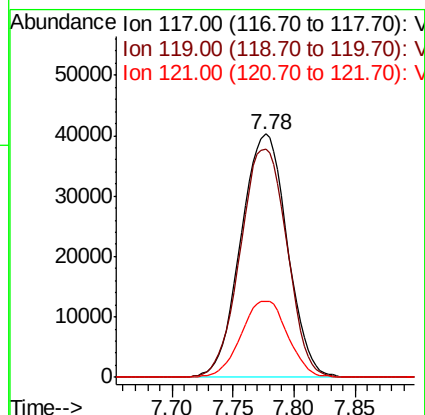
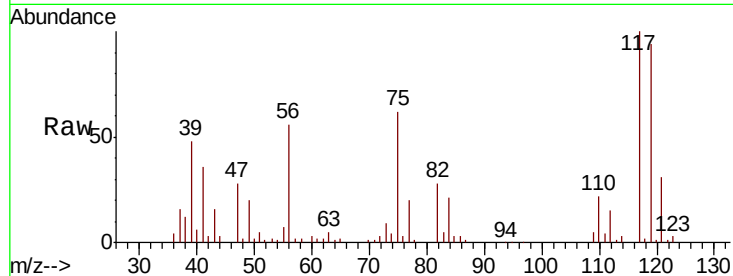




#33
Carbon Tetrachloride
Concen: 19.942 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

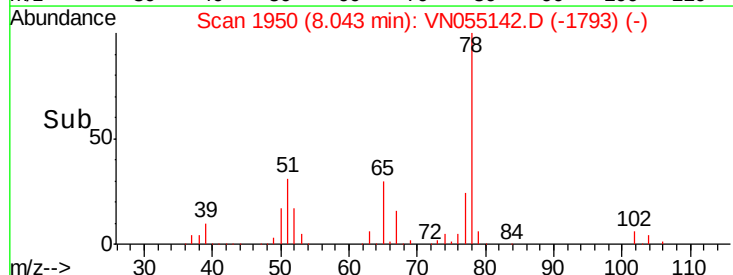
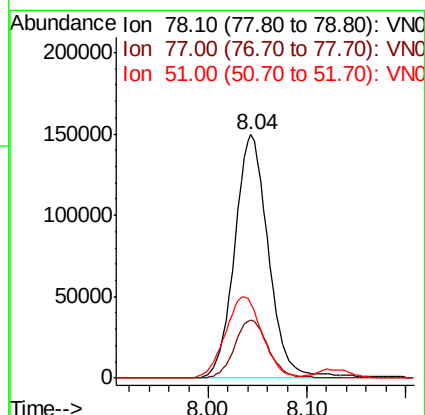
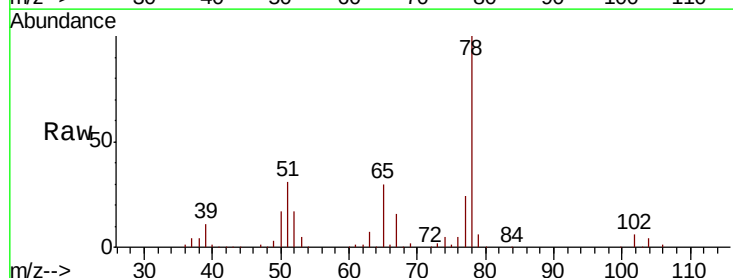
Instrument :
MSVOA_N
ClientSampled :
VN0419WBSD01

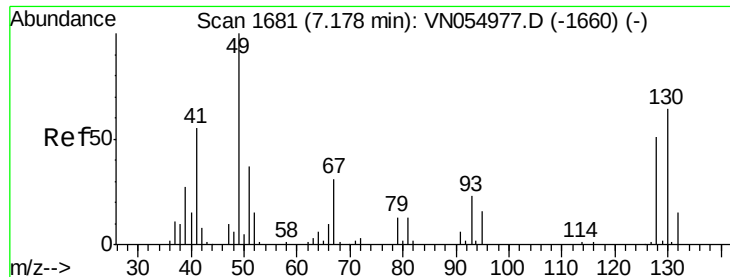
Tot Ion:117 Resp: 106147
Ion Ratio Lower Upper
117 100
119 93.5 76.1 114.1
121 30.9 26.2 39.4



#34
Benzene
Concen: 20.584 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 78 Resp: 354811
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.4
51 30.6 23.7 35.5

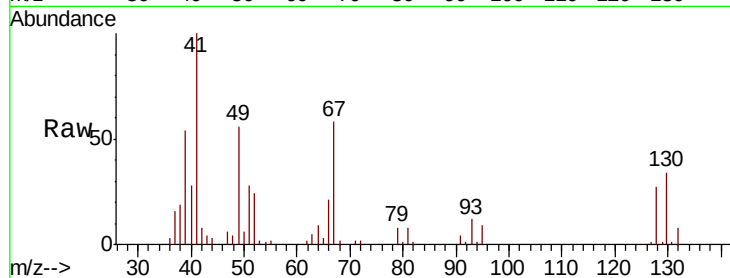




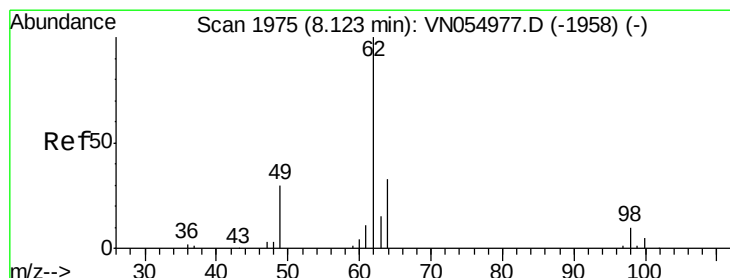
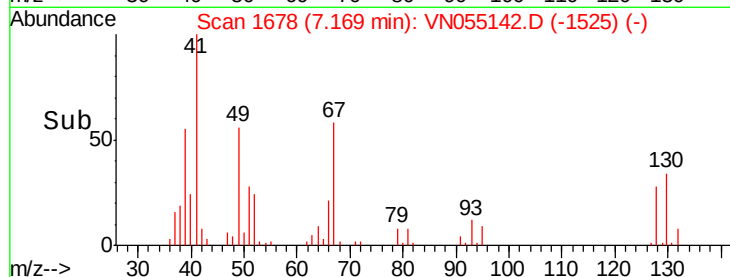
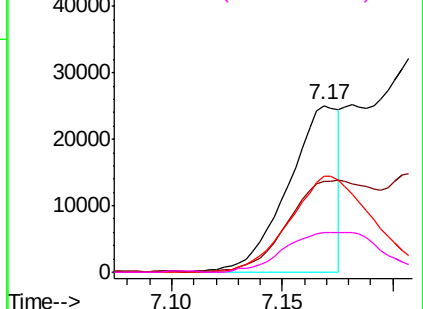
#35
Methacrylonitrile
Concen: 17.570 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tot Ion:	41	Resp:	39984
Ion	Ratio	Lower	Upper
41	100		
39	54.3	24.2	72.6
67	57.8	28.1	84.2
52	22.3	13.3	39.8

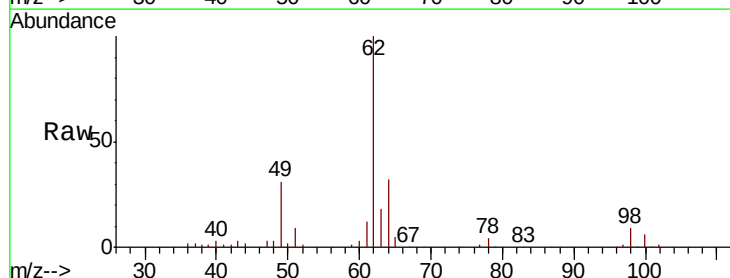


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

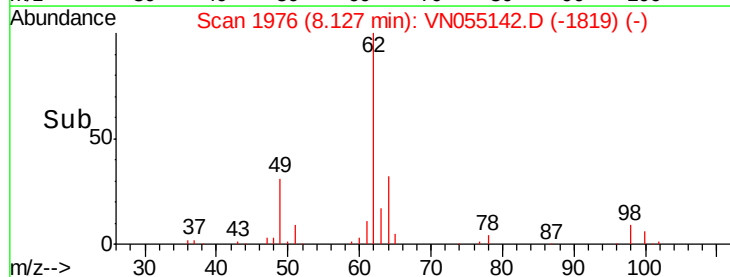
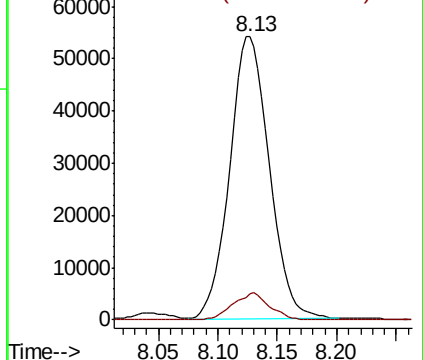


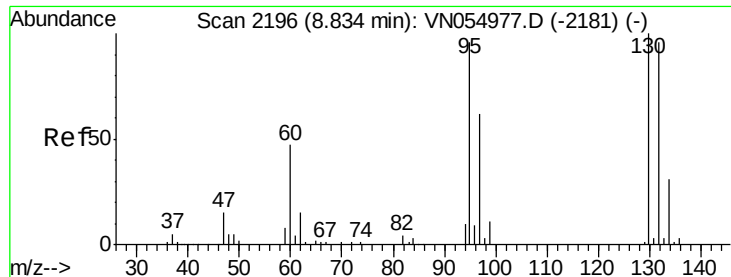
#36
1,2-Dichloroethane
Concen: 21.190 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion:	62	Resp:	124831
Ion	Ratio	Lower	Upper
62	100		
98	8.8	6.9	10.3



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

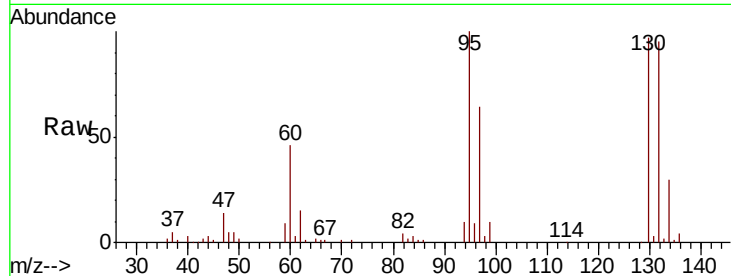




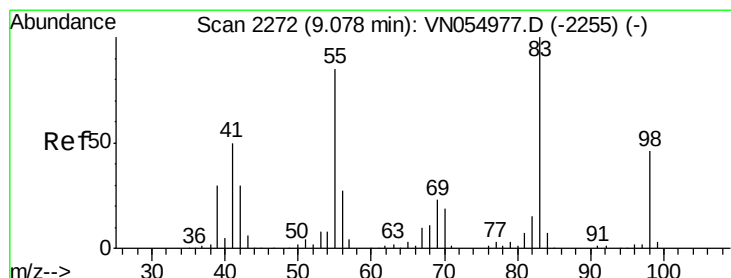
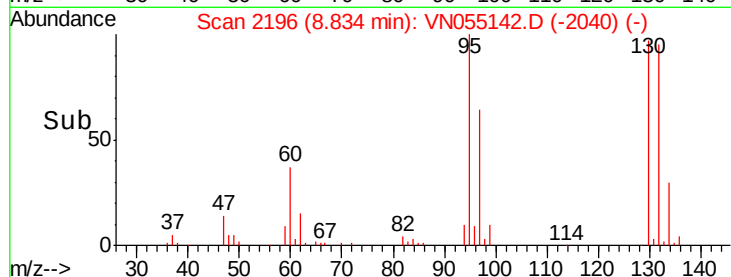
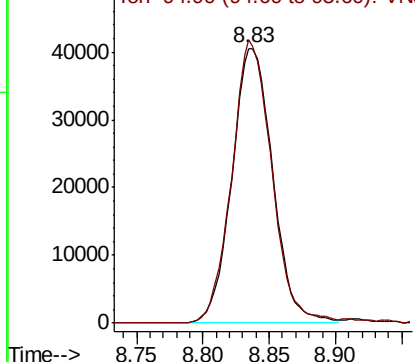
#37
 Trichloroethene
 Concen: 19.744 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

Tot Ion:130 Resp: 86760
 Ion Ratio Lower Upper
 130 100
 95 103.0 76.6 115.0

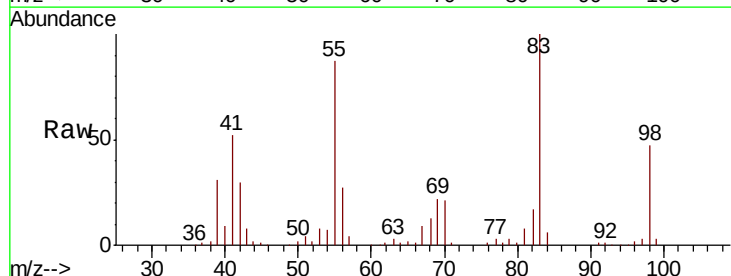


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

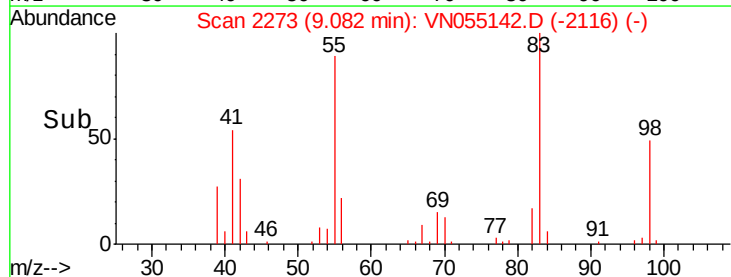
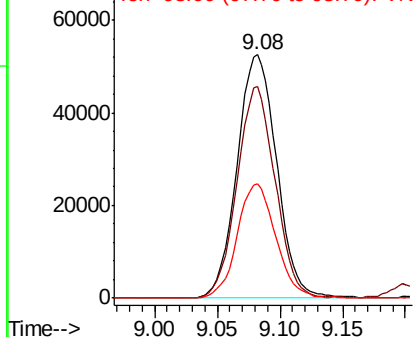


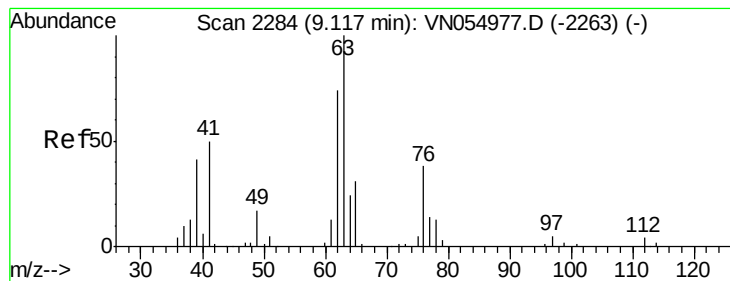
#38
 Methylcyclohexane
 Concen: 17.098 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion: 83 Resp: 115334
 Ion Ratio Lower Upper
 83 100
 55 83.8 41.9 125.6
 98 45.6 22.4 67.0



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: 21.378 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampled :

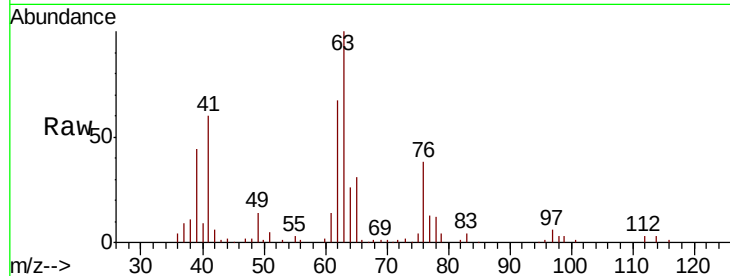
VN0419WBSD01

Tot Ion: 63 Resp: 101750

Ion Ratio Lower Upper

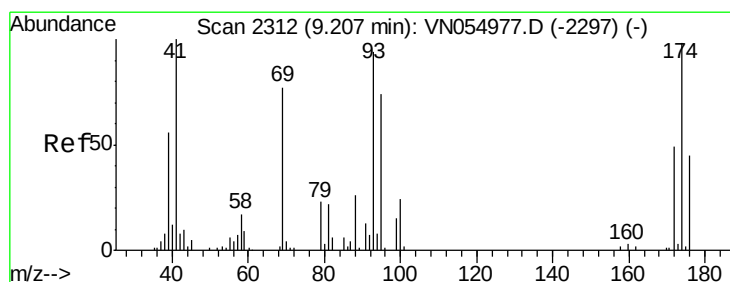
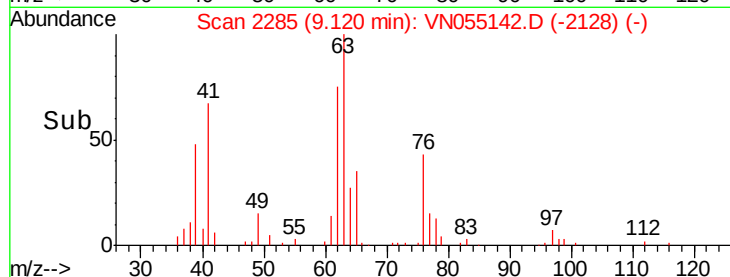
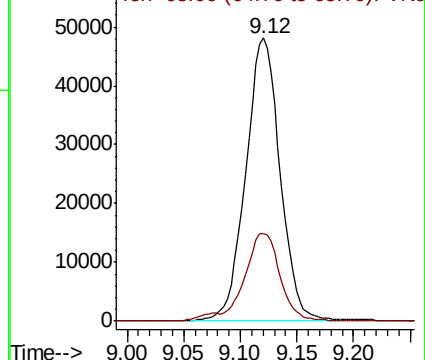
63 100

65 31.0 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.778 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

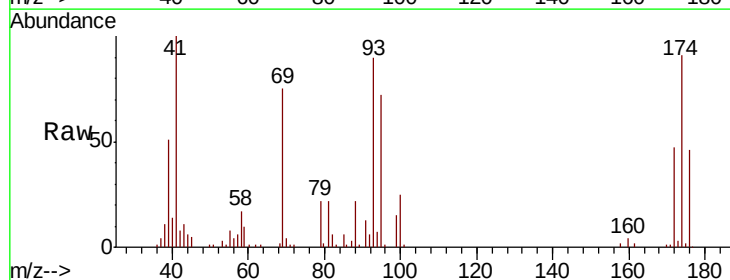
Tgt Ion: 93 Resp: 58588

Ion Ratio Lower Upper

93 100

95 82.5 0.0 160.8

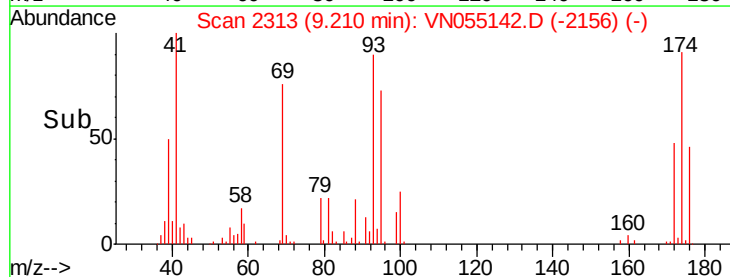
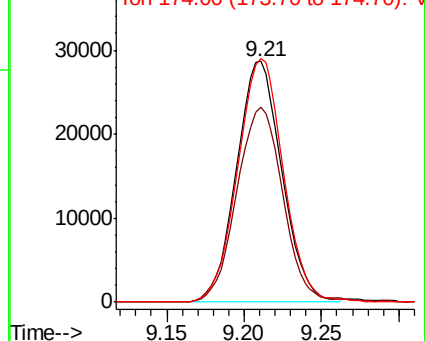
174 101.8 0.0 206.4

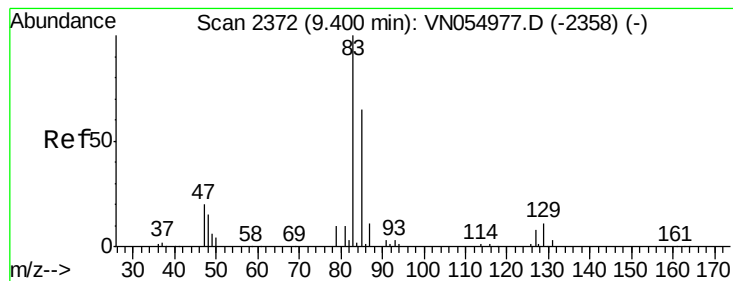


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.592 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

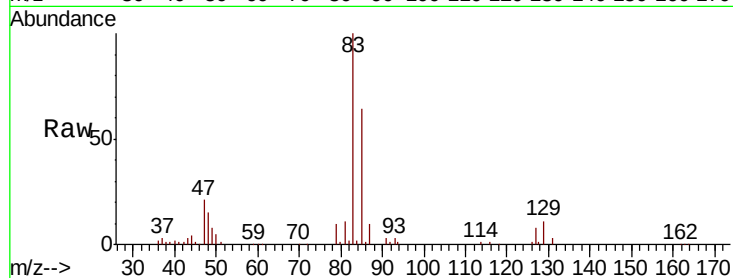
Tot Ion: 83 Resp: 114332

Ion Ratio Lower Upper

83 100

85 64.2 52.0 78.0

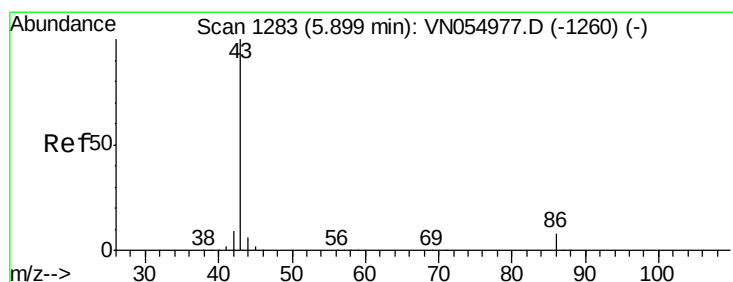
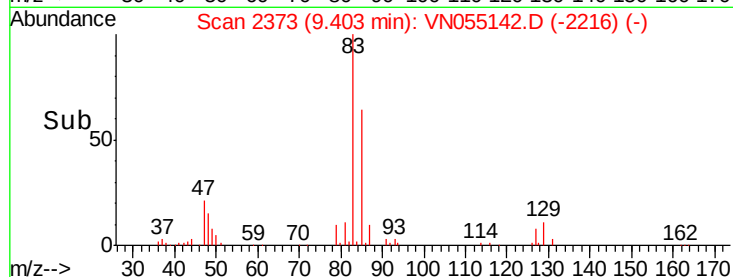
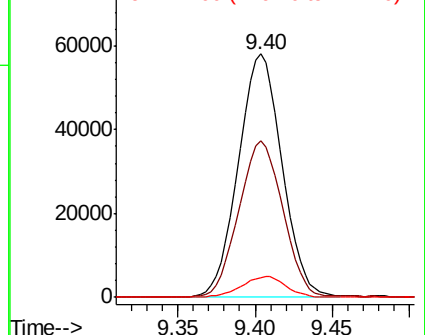
127 9.1 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 111.731 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055142.D

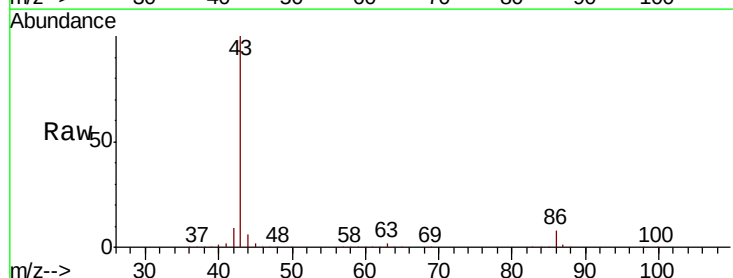
Acq: 19 Apr 2019 15:13

Tgt Ion: 43 Resp: 1090615

Ion Ratio Lower Upper

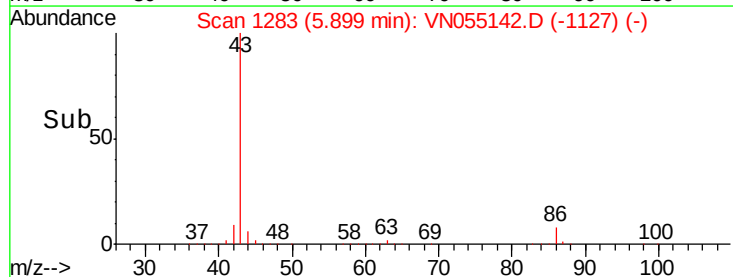
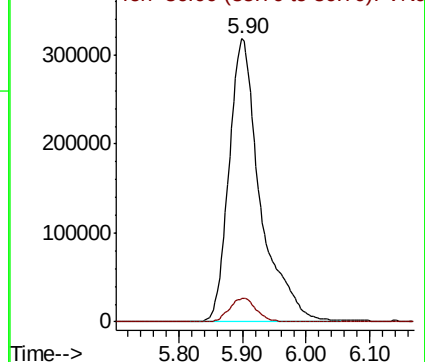
43 100

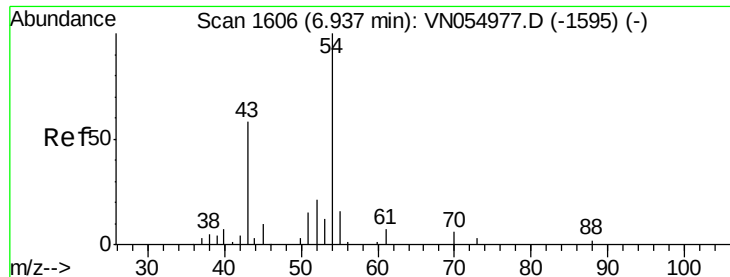
86 7.3 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

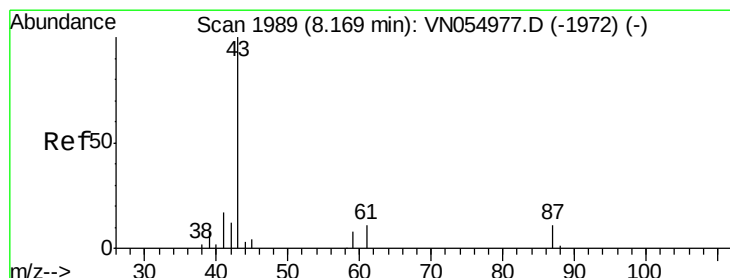
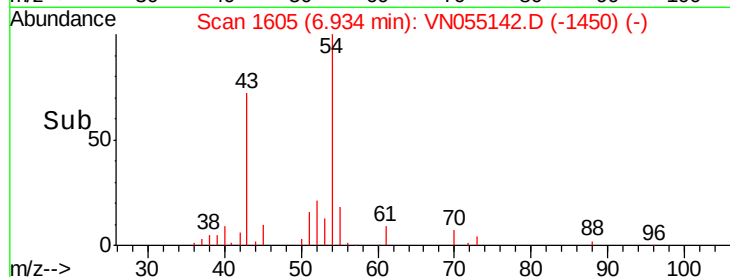
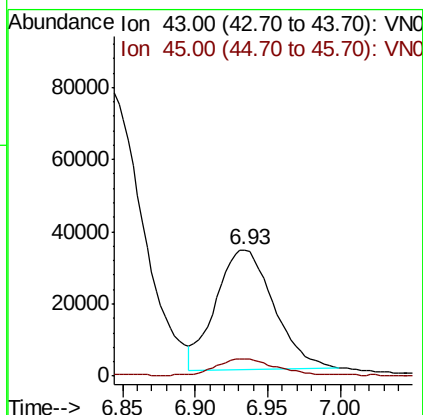
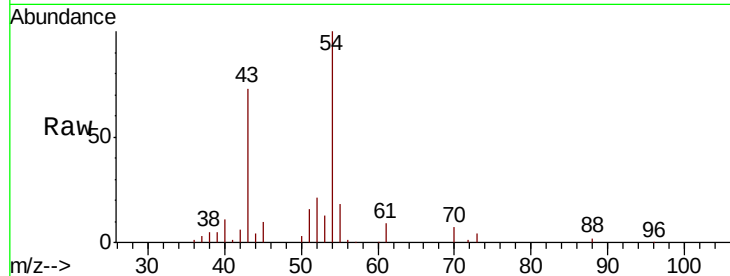




#43
Ethyl Acetate
Concen: 23.625 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

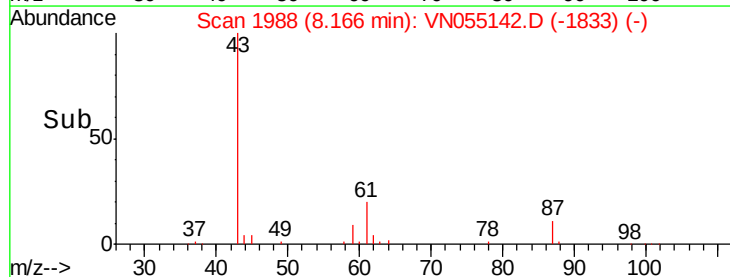
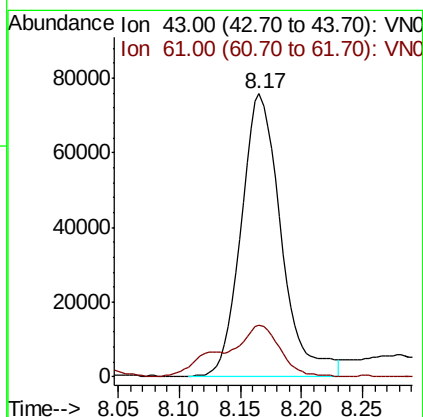
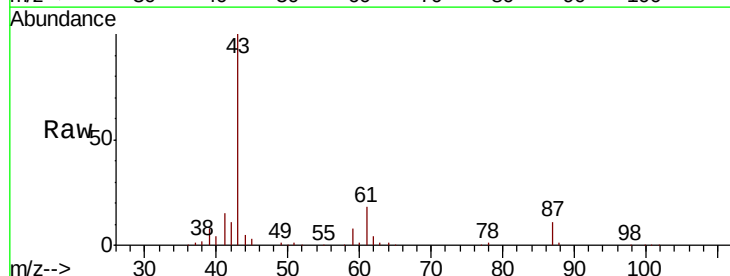
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

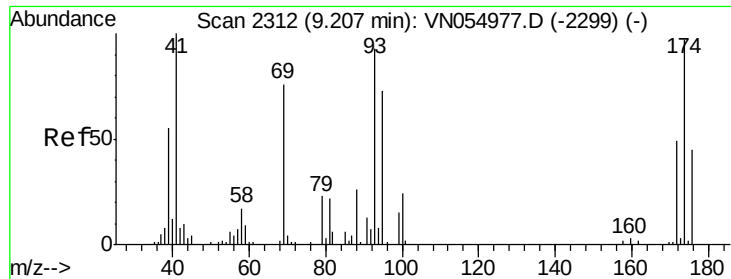
Tot Ion: 43 Resp: 92926
Ion Ratio Lower Upper
43 100
45 13.6 10.6 15.8



#44
Isopropyl Acetate
Concen: 25.542 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 43 Resp: 170262
Ion Ratio Lower Upper
43 100
61 15.4 14.8 22.2





#45

1,4-Dioxane

Concen: 504.849 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

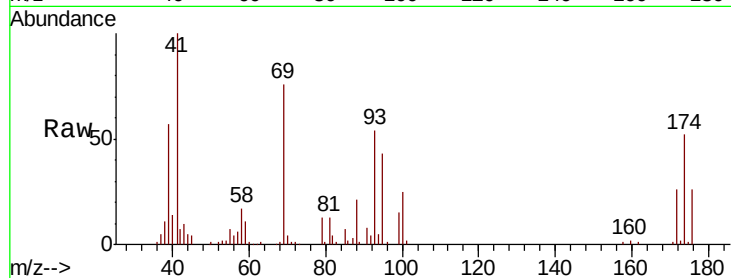
Tot Ion: 88 Resp: 18644

Ion Ratio Lower Upper

88 100

43 48.4 34.5 51.7

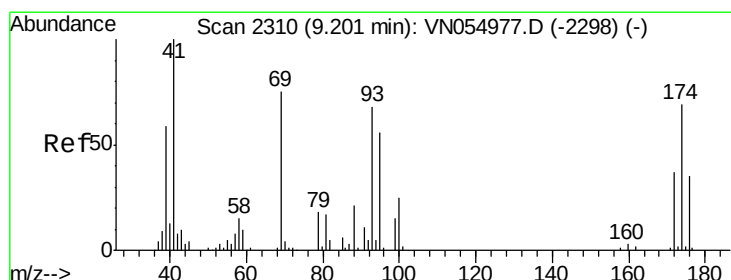
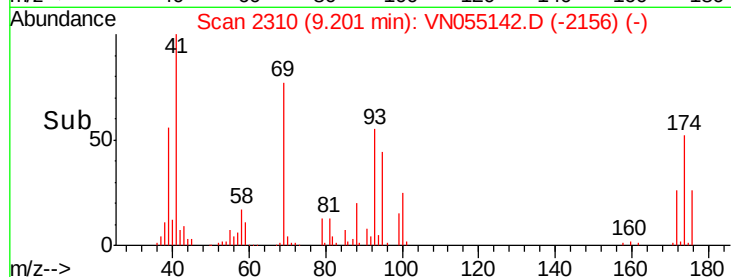
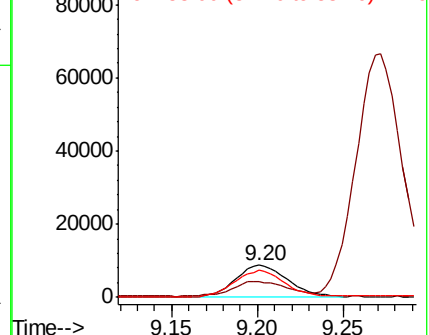
58 81.7 60.3 90.5



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: 23.177 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

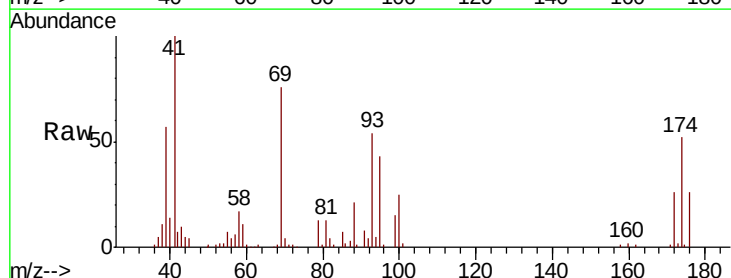
Tgt Ion: 41 Resp: 79921

Ion Ratio Lower Upper

41 100

69 77.7 37.3 111.9

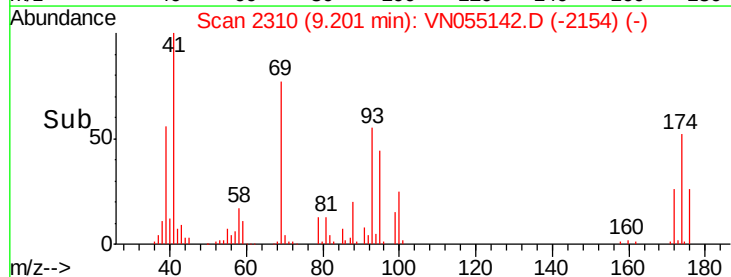
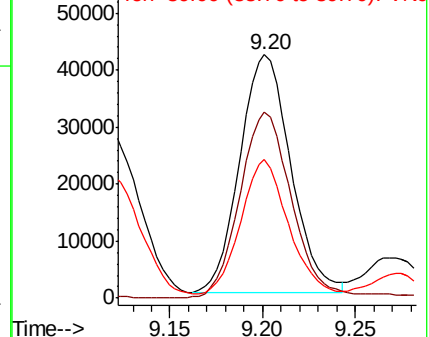
39 56.4 29.4 88.2

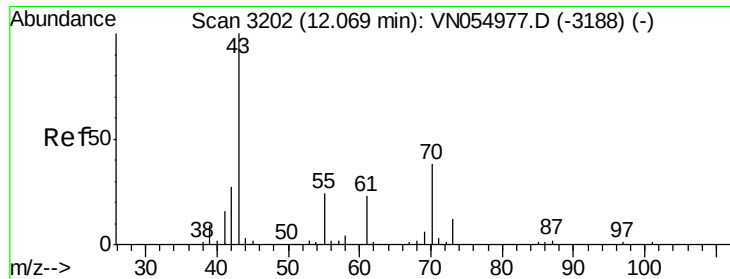


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 22.785 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

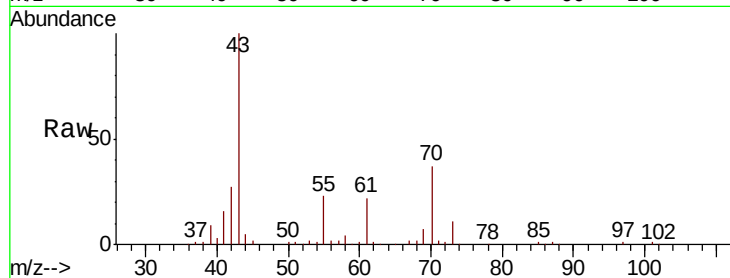
VN0419WBSD01

Tot Ion: 43 Resp: 111869

Ion Ratio Lower Upper

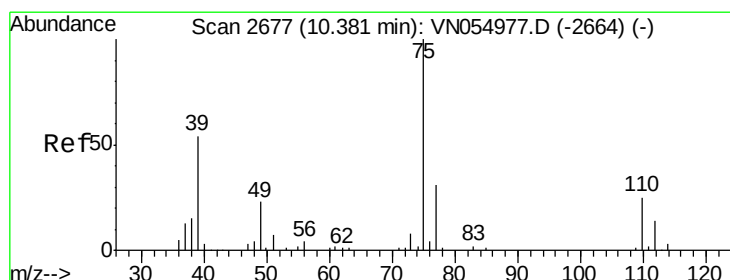
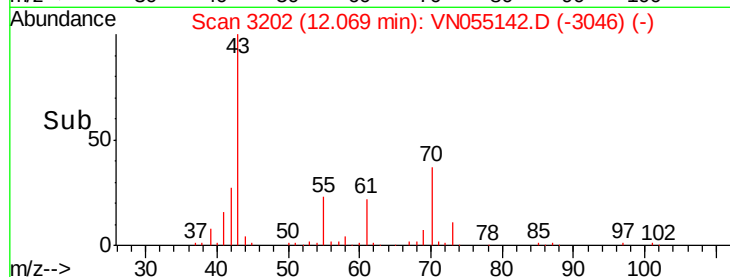
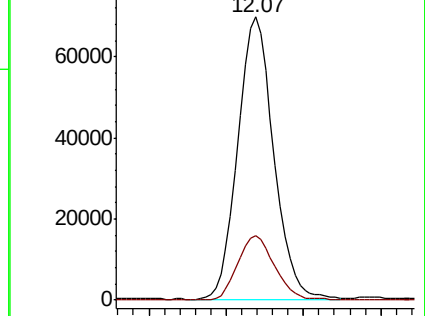
43 100

55 23.5 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.109 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055142.D

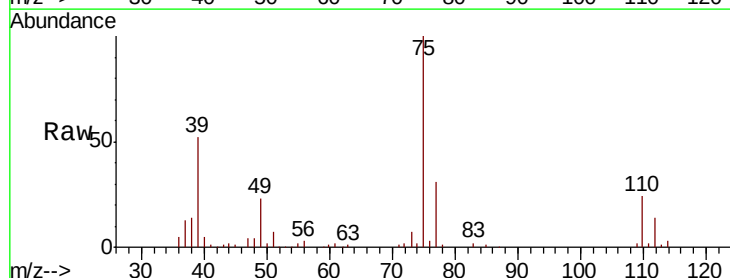
Acq: 19 Apr 2019 15:13

Tgt Ion: 75 Resp: 102527

Ion Ratio Lower Upper

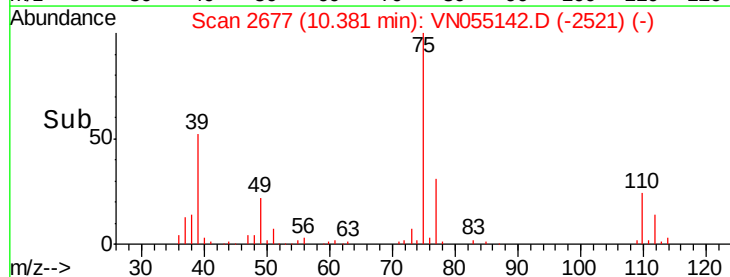
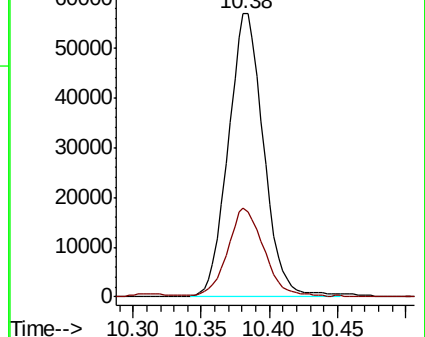
75 100

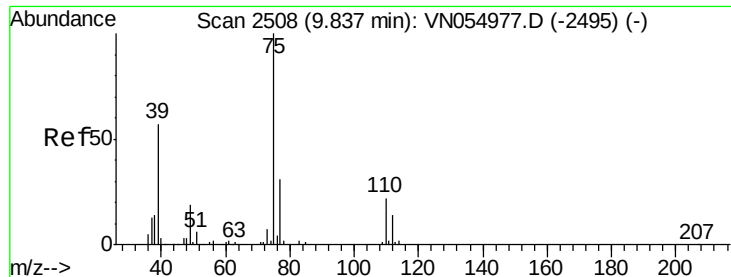
77 30.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 19.877 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

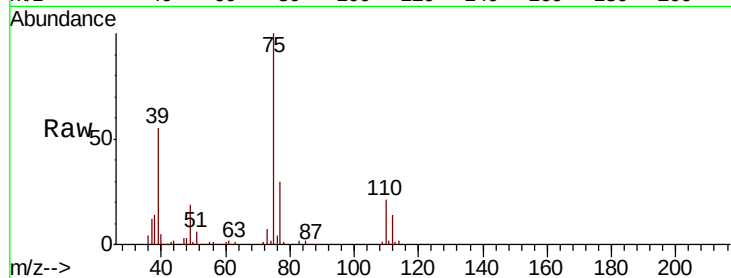
Tot Ion: 75 Resp: 125109

Ion Ratio Lower Upper

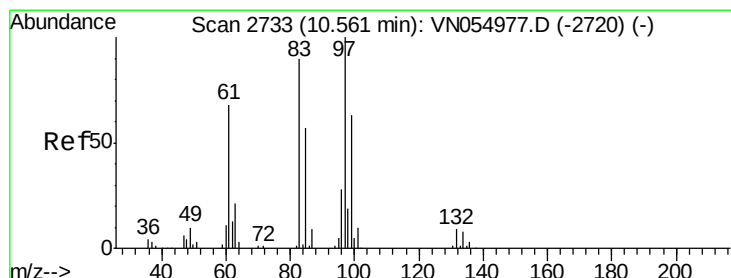
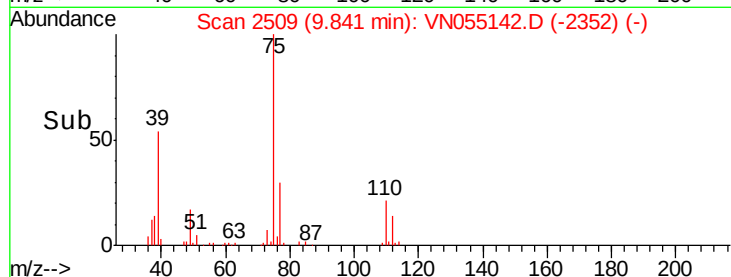
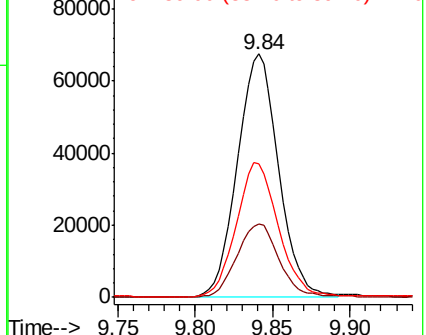
75 100

77 30.2 24.7 37.1

39 54.7 45.3 67.9



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 21.614 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Tgt Ion: 97 Resp: 78977

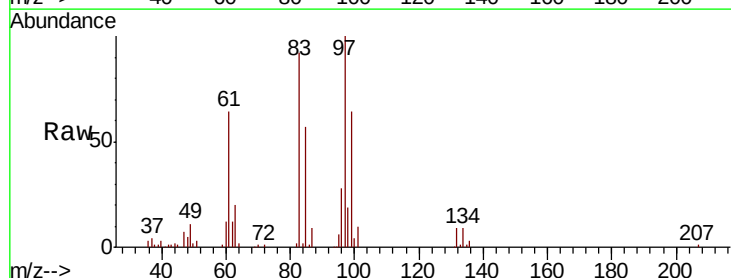
Ion Ratio Lower Upper

97 100

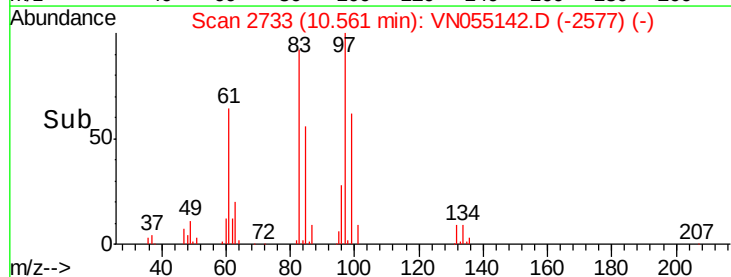
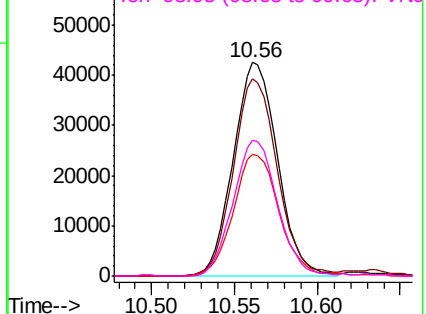
83 91.7 72.1 108.1

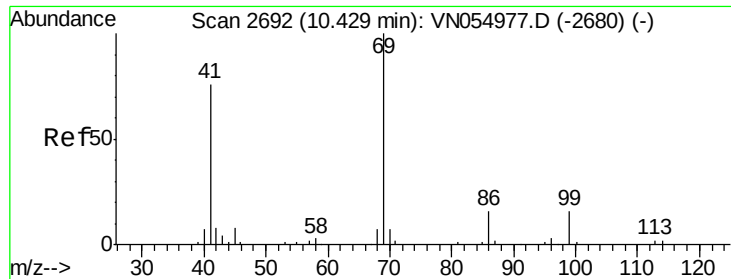
85 56.8 45.4 68.0

99 63.6 50.6 75.8



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 22.153 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampled :

VN0419WBSD01

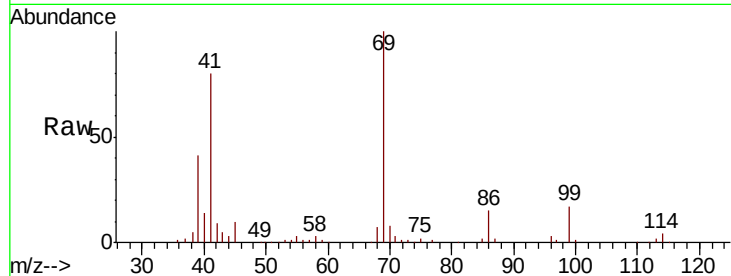
Tot Ion: 69 Resp: 96491

Ion Ratio Lower Upper

69 100

41 79.1 37.9 113.7

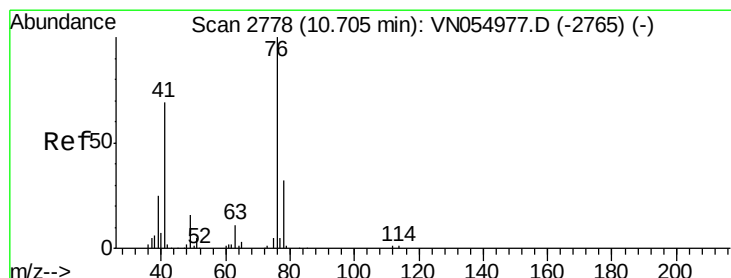
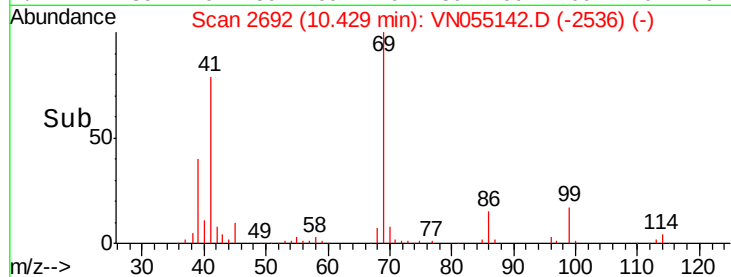
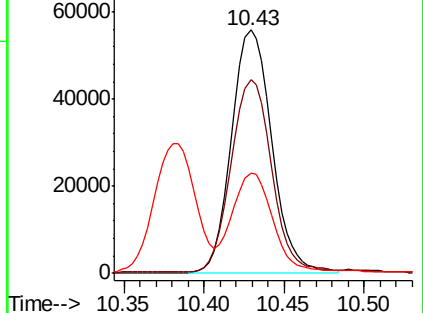
39 40.1 19.8 59.4



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: 22.108 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055142.D

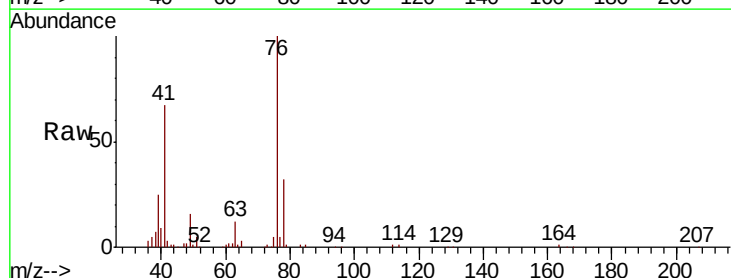
Acq: 19 Apr 2019 15:13

Tgt Ion: 76 Resp: 141552

Ion Ratio Lower Upper

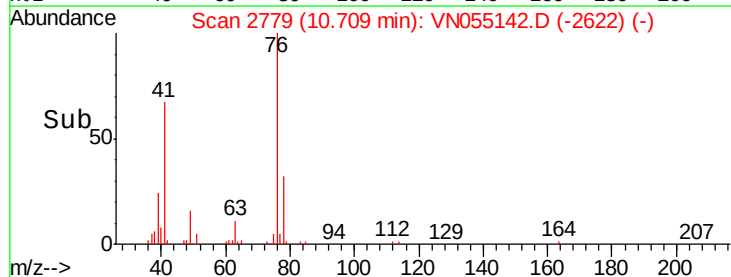
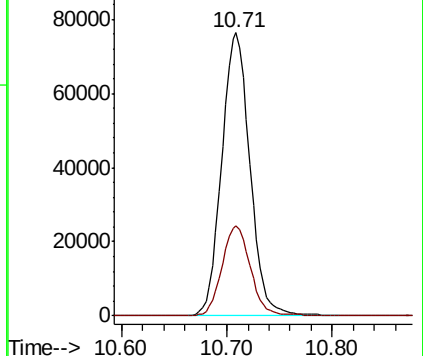
76 100

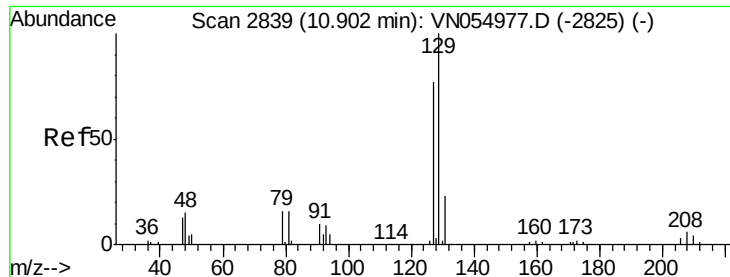
78 32.1 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

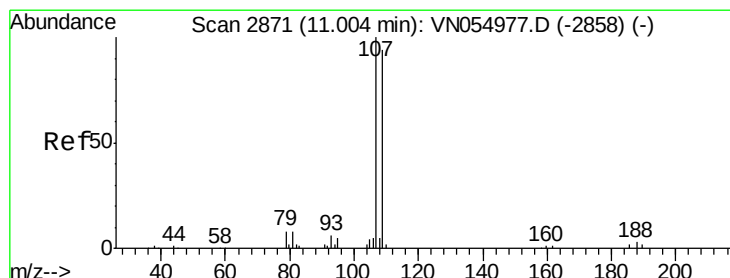
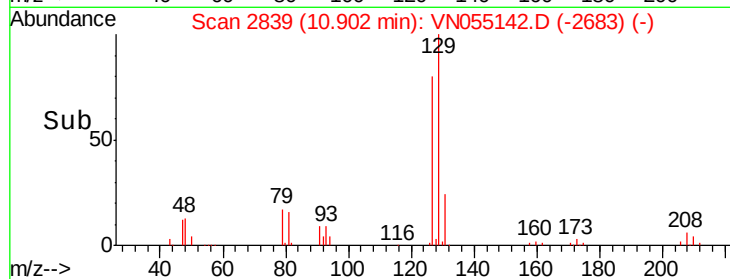
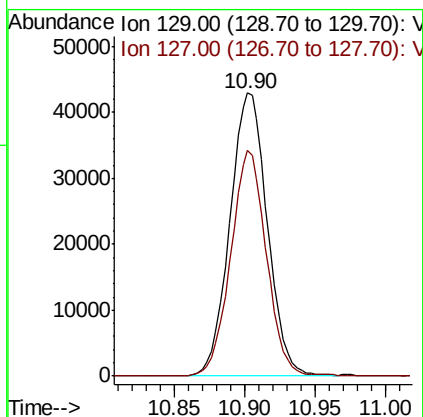
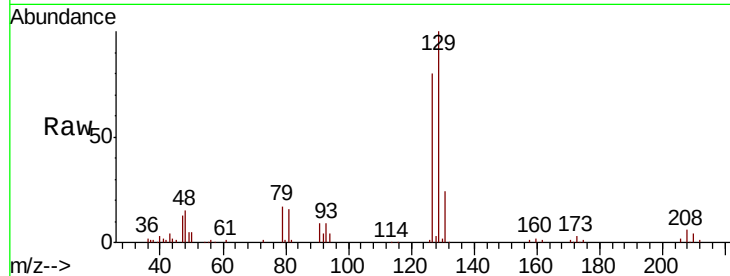




#53
 Dibromochloromethane
 Concen: 21.201 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

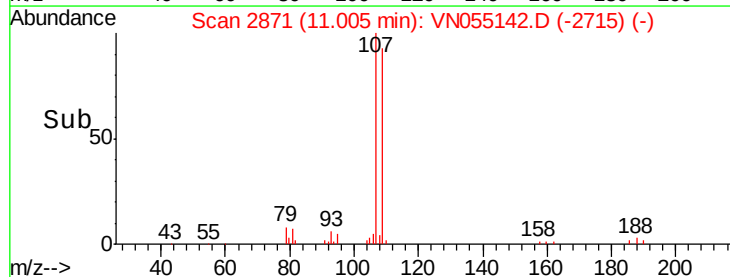
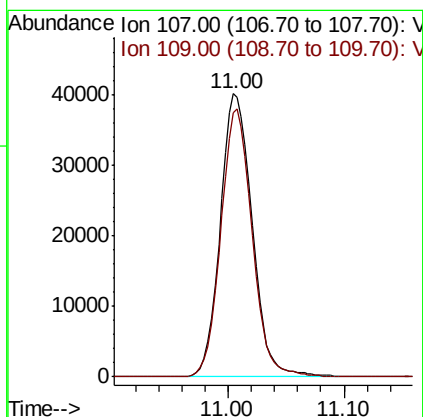
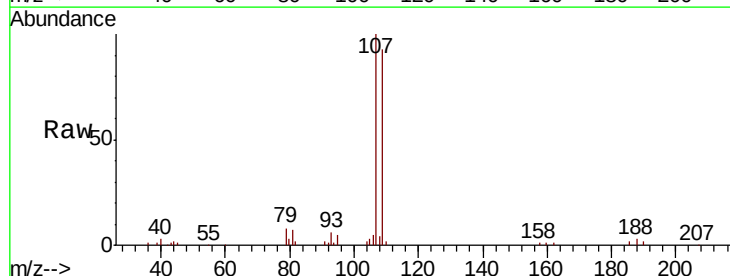
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

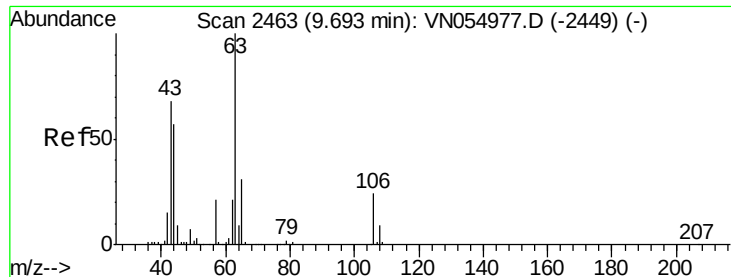
Tot Ion:129 Resp: 79797
 Ion Ratio Lower Upper
 129 100
 127 75.7 37.8 113.3



#54
 1,2-Dibromoethane
 Concen: 22.228 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion:107 Resp: 76249
 Ion Ratio Lower Upper
 107 100
 109 93.0 76.2 114.2

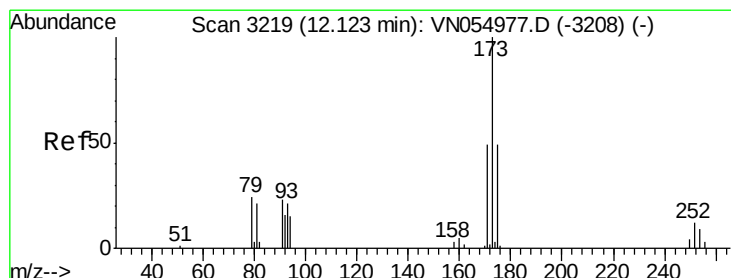
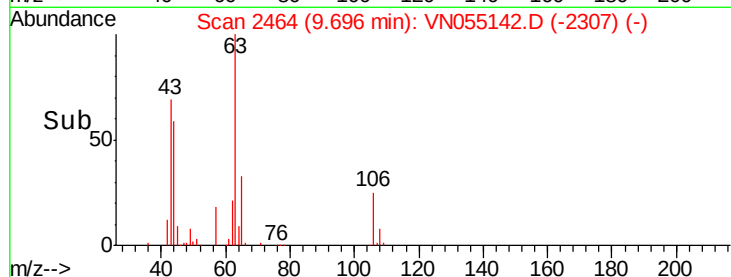
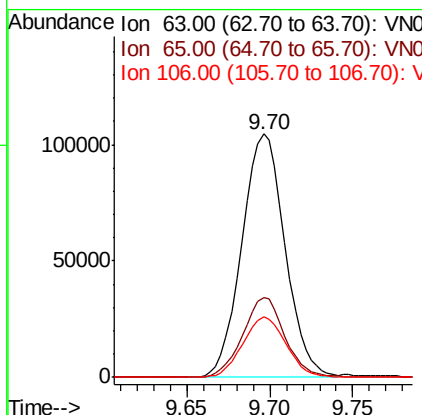
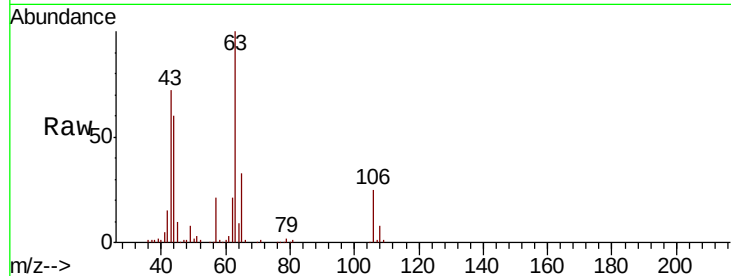




#55
 2-Chloroethyl vinyl ether
 Concen: 104.169 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

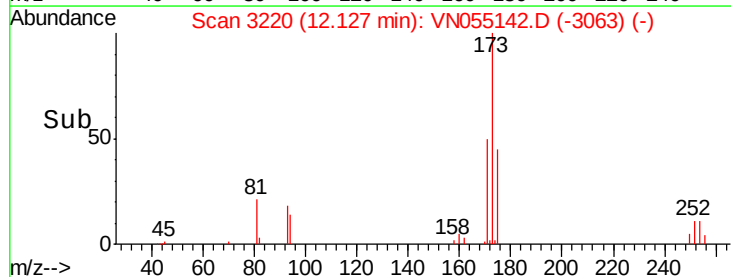
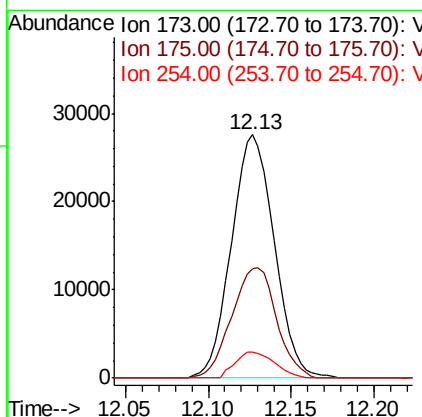
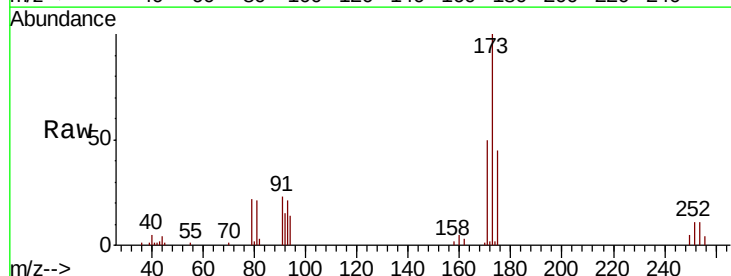
Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBSD01

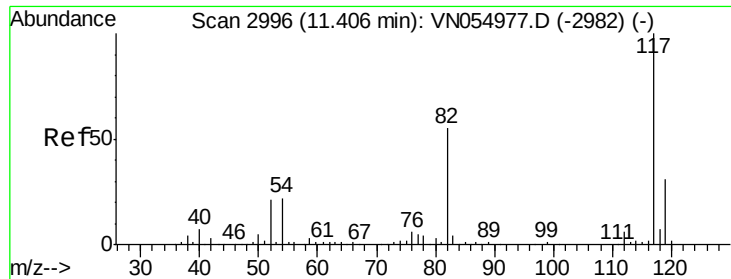
Tot Ion: 63 Resp: 189686
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.4 38.0
 106 24.7 19.8 29.6



#56
 Bromoform
 Concen: 20.993 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion: 173 Resp: 49649
 Ion Ratio Lower Upper
 173 100
 175 47.3 38.6 57.8
 254 9.9 6.8 10.2

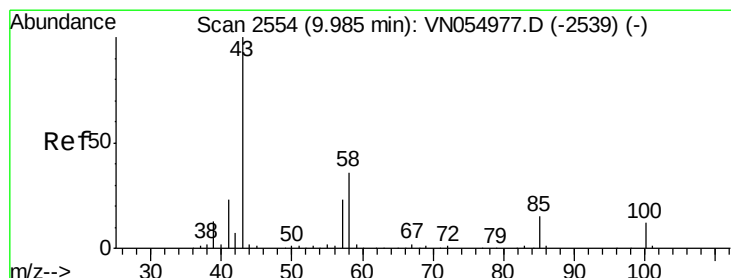
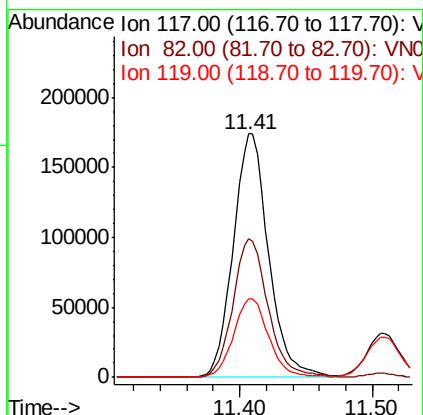
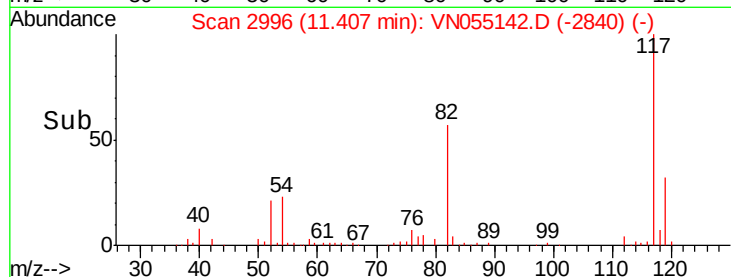
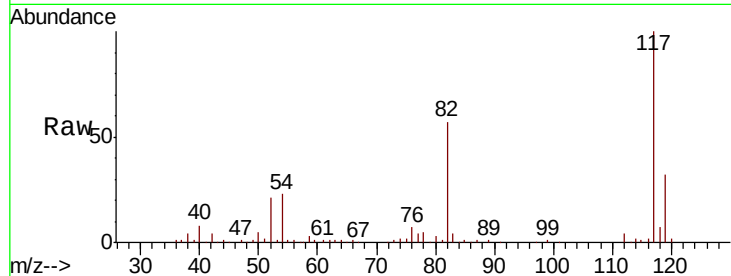




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

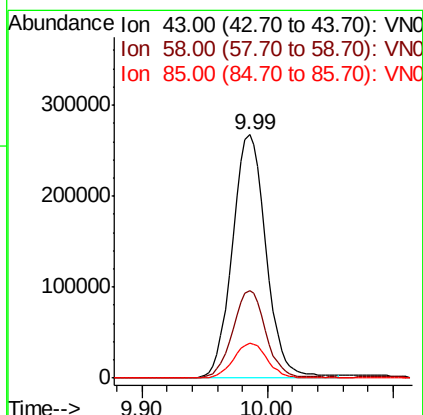
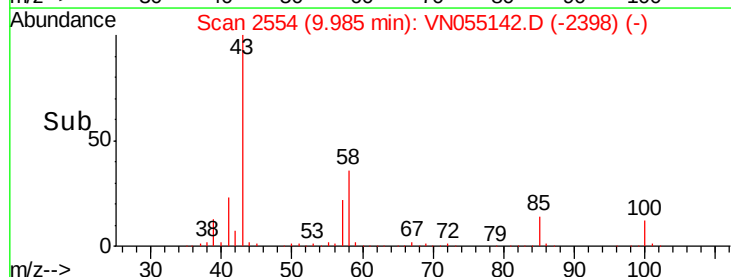
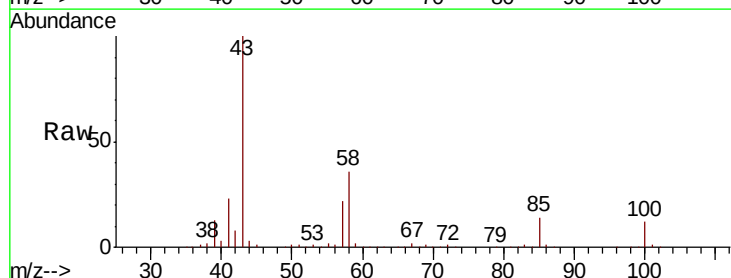
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

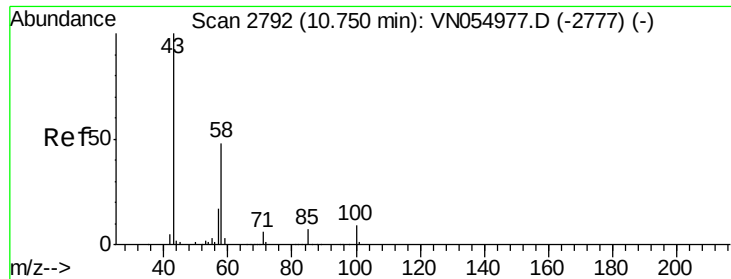
Tot Ion:117 Resp: 321798
Ion Ratio Lower Upper
117 100
82 56.7 45.2 67.8
119 32.2 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 133.790 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 43 Resp: 496495
Ion Ratio Lower Upper
43 100
58 35.4 28.7 43.1
85 14.5 11.8 17.6

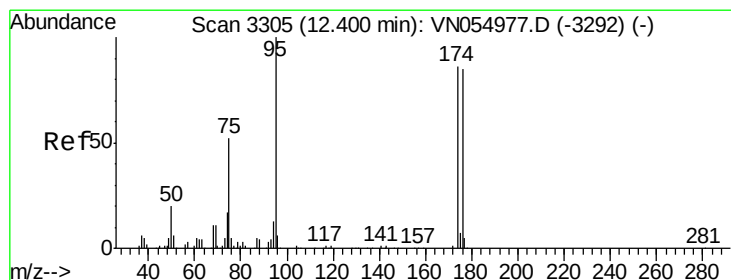
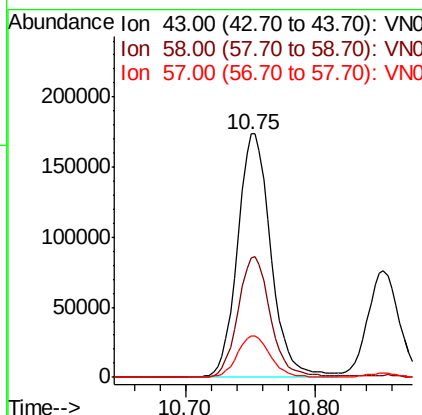
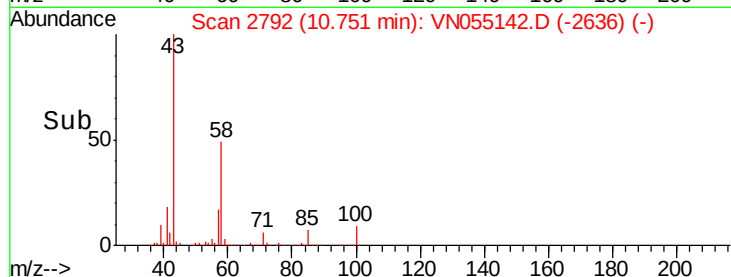
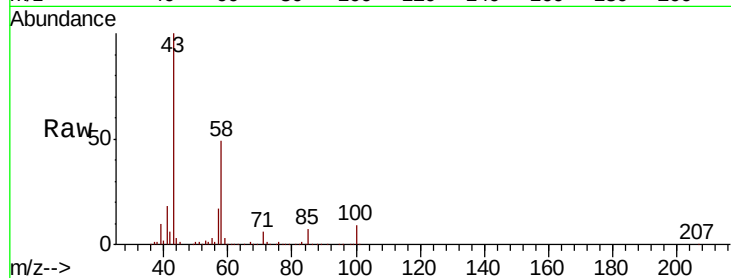




#59
2-Hexanone
Concen: 132.196 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

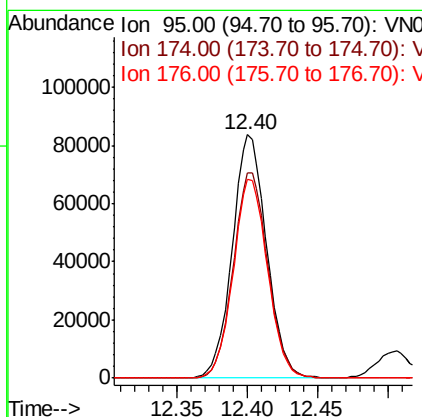
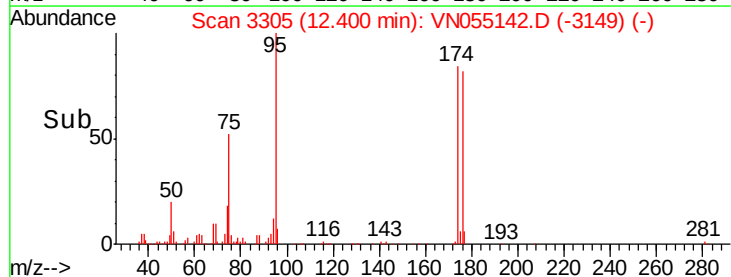
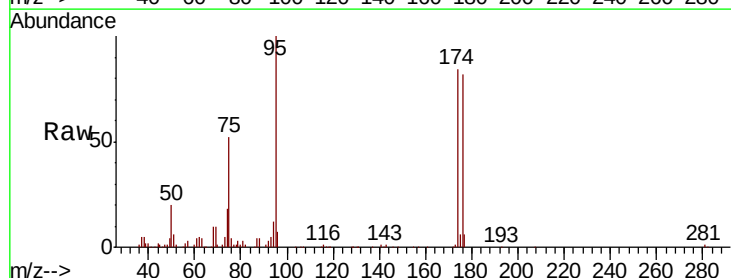
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

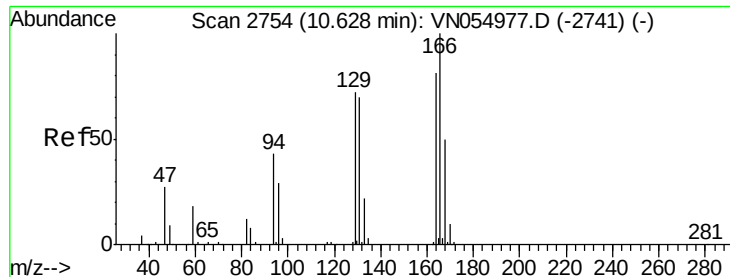
Tot Ion: 43 Resp: 311653
Ion Ratio Lower Upper
43 100
58 48.6 38.8 58.2
57 17.0 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 132.196 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 95 Resp: 142463
Ion Ratio Lower Upper
95 100
174 85.5 69.4 104.2
176 82.0 67.4 101.2

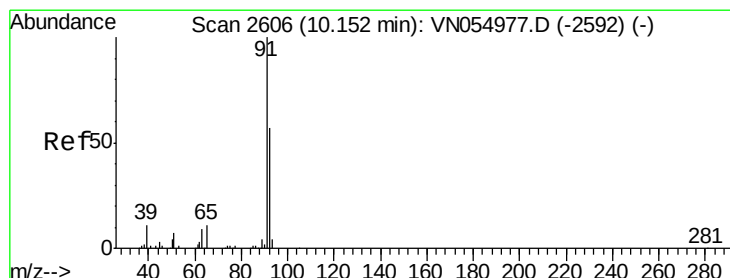
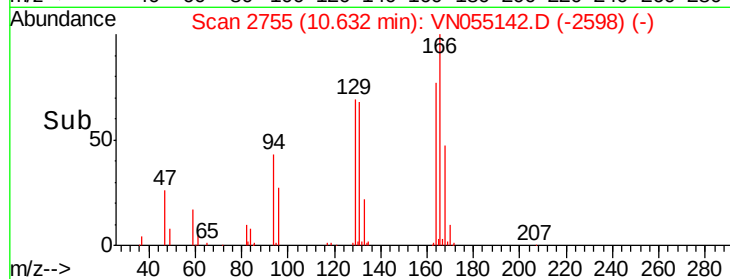
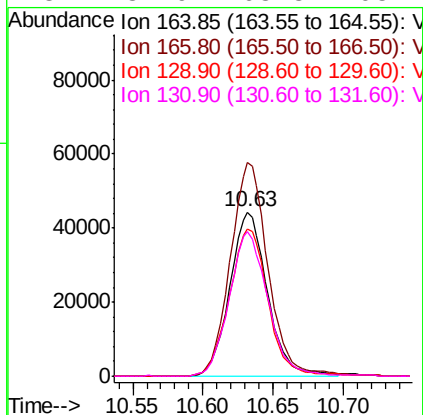
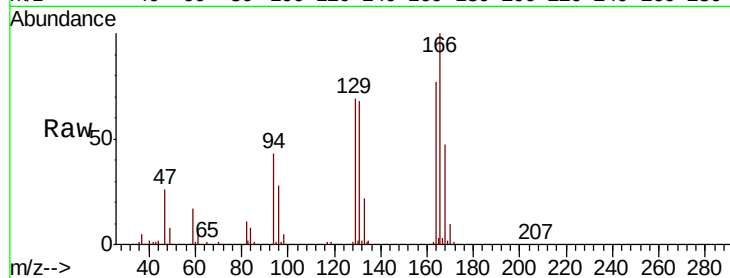




#61
Tetrachloroethene
Concen: 19.633 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

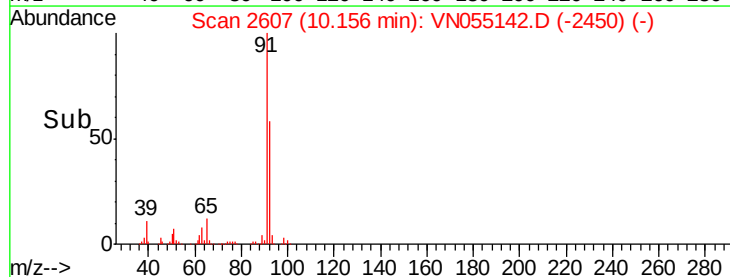
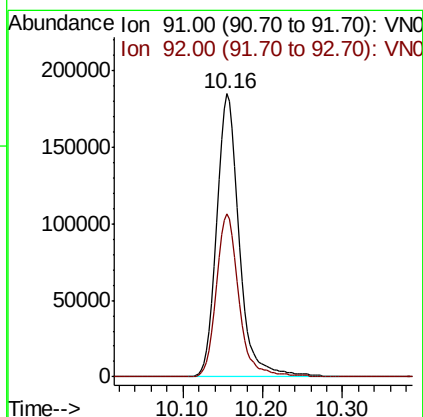
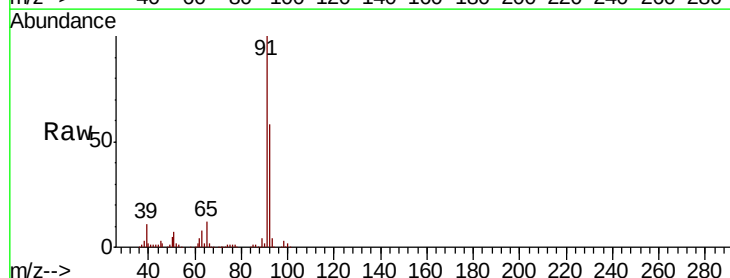
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

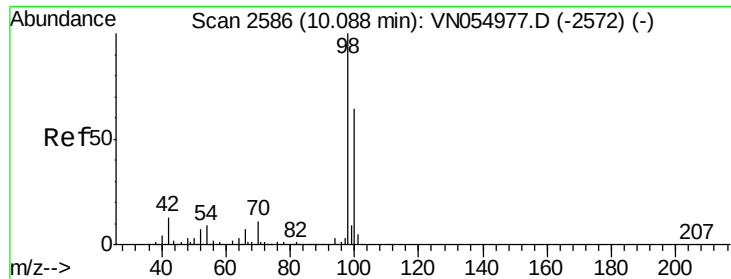
Tot Ion:164 Resp: 82219
Ion Ratio Lower Upper
164 100
166 130.1 99.0 148.4
129 89.9 71.4 107.0
131 87.9 68.8 103.2



#62
Toluene
Concen: 20.450 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 91 Resp: 362596
Ion Ratio Lower Upper
91 100
92 57.9 44.8 67.2





#63

Toluene-d8

Concen: 20.450 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

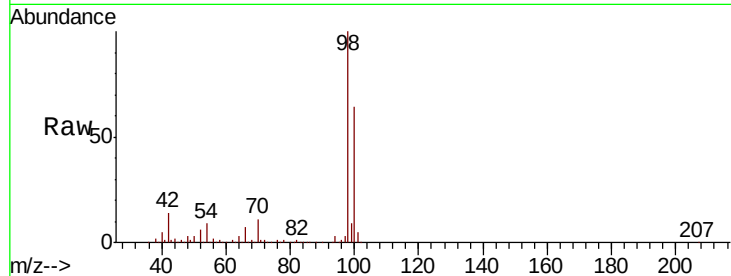
VN0419WBSD01

Tot Ion: 98 Resp: 471291

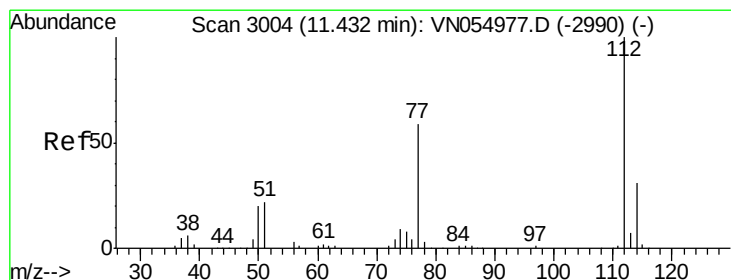
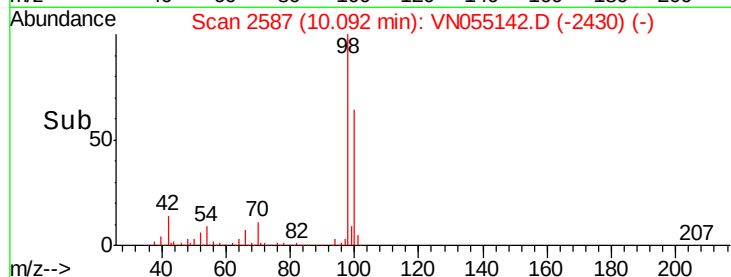
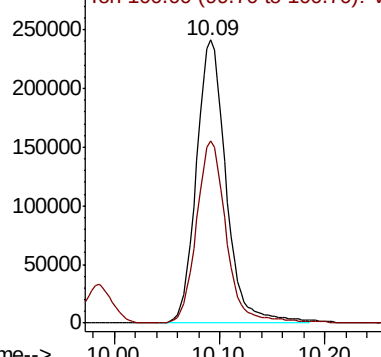
Ion Ratio Lower Upper

98 100

100 64.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054977.D (-2572) (-)



#64

Chlorobenzene

Concen: 19.732 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055142.D

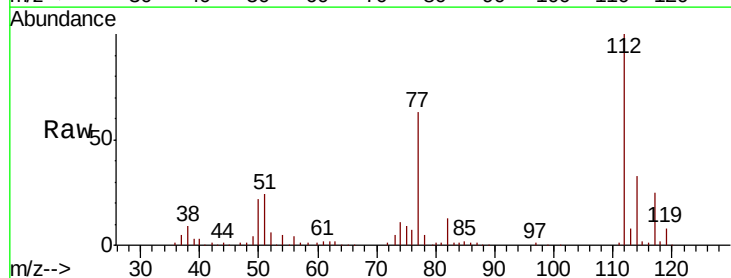
Acq: 19 Apr 2019 15:13

Tgt Ion: 112 Resp: 211221

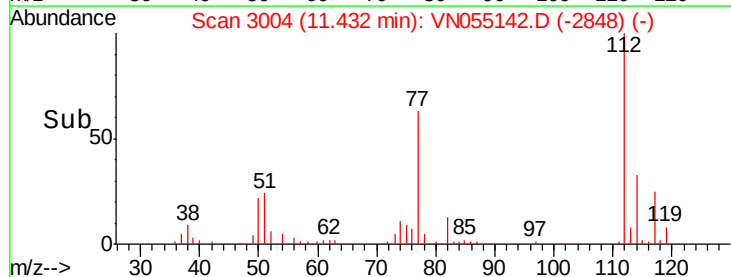
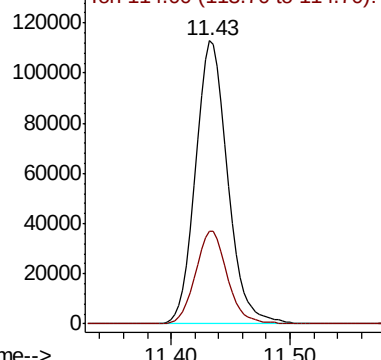
Ion Ratio Lower Upper

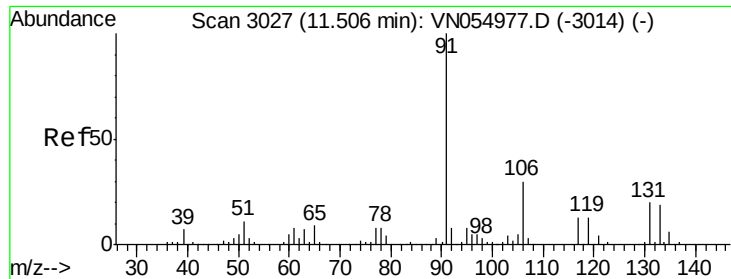
112 100

114 32.8 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN054977.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.414 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

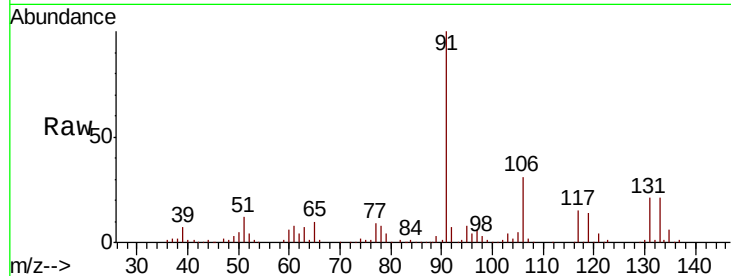
Tot Ion:131 Resp: 77717

Ion Ratio Lower Upper

131 100

133 98.9 0.0 187.8

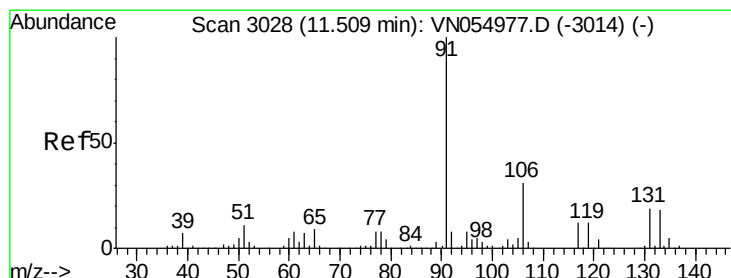
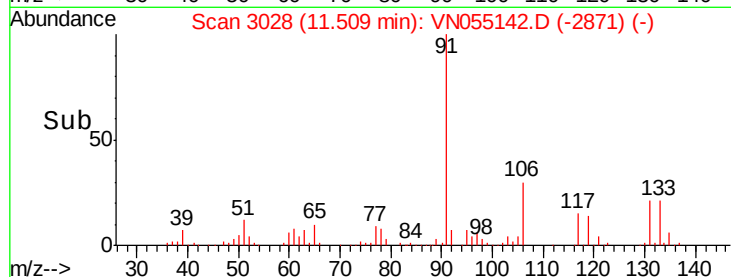
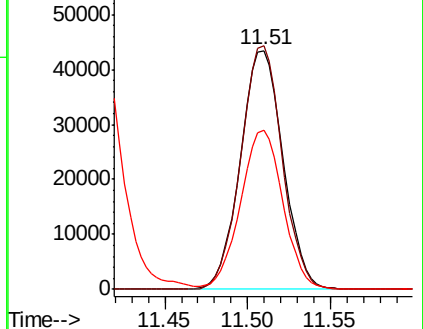
119 66.7 0.0 131.4



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: 19.378 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055142.D

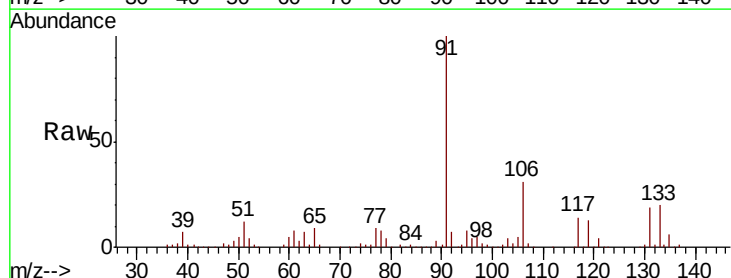
Acq: 19 Apr 2019 15:13

Tgt Ion: 91 Resp: 368315

Ion Ratio Lower Upper

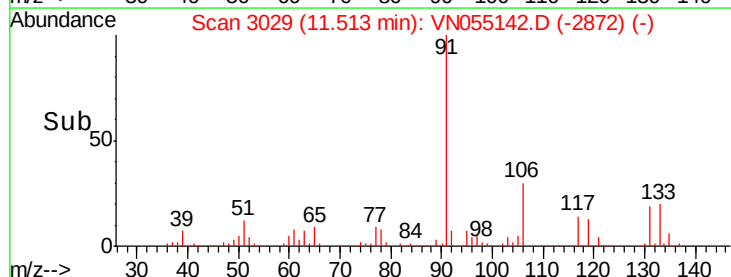
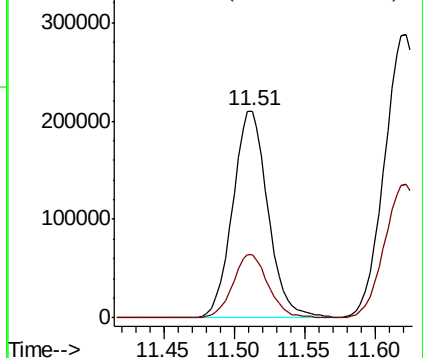
91 100

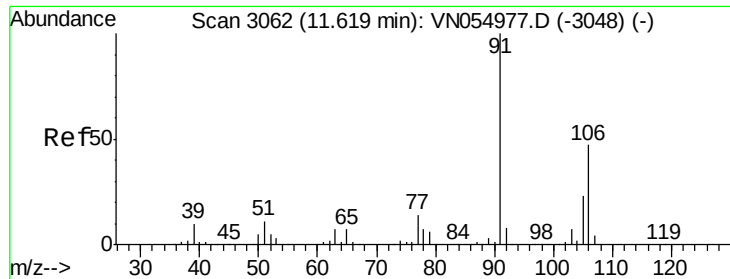
106 30.6 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.788 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

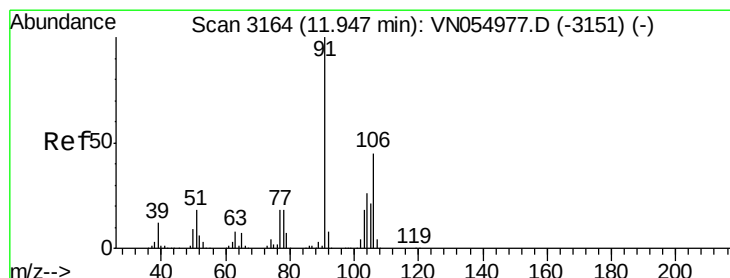
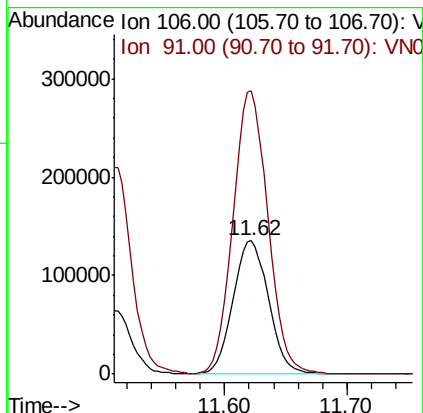
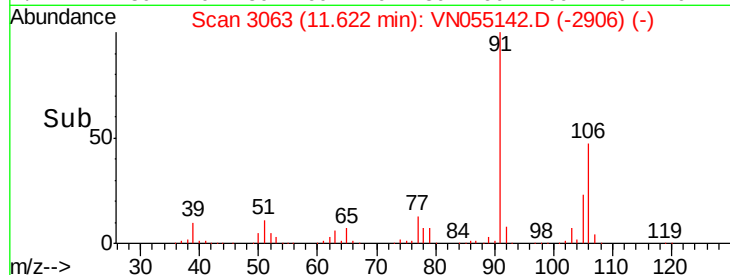
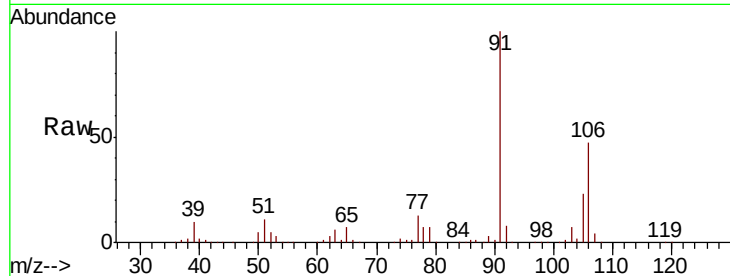
VN0419WBSD01

Tot Ion:106 Resp: 274038

Ion Ratio Lower Upper

106 100

91 208.5 167.4 251.2



#68

o-Xylene

Concen: 19.943 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055142.D

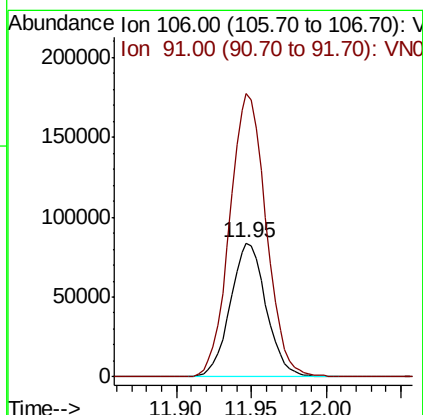
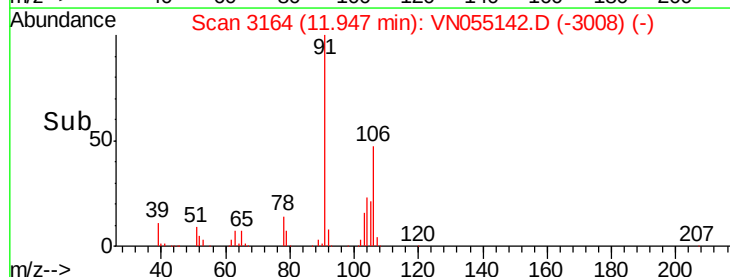
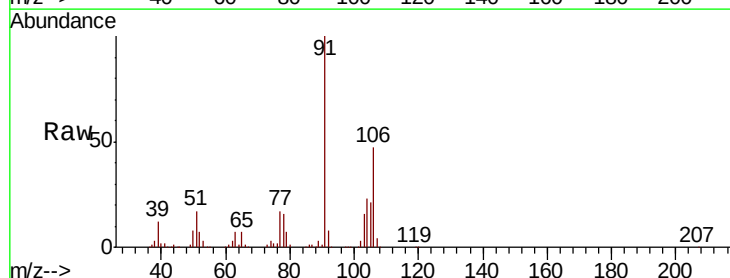
Acq: 19 Apr 2019 15:13

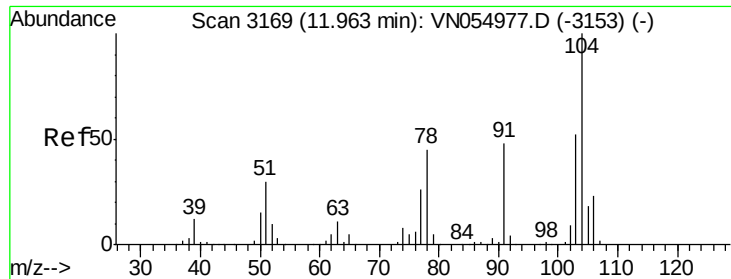
Tgt Ion:106 Resp: 139239

Ion Ratio Lower Upper

106 100

91 216.0 110.3 330.8





#69

Stvrene

Concen: 19.111 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

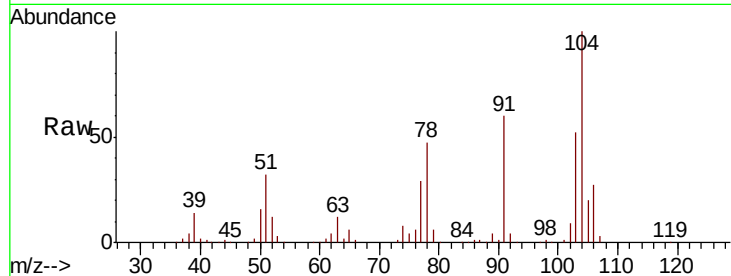
Tot Ion:104 Resp: 207191

Ion Ratio Lower Upper

104 100

78 51.8 41.2 61.8

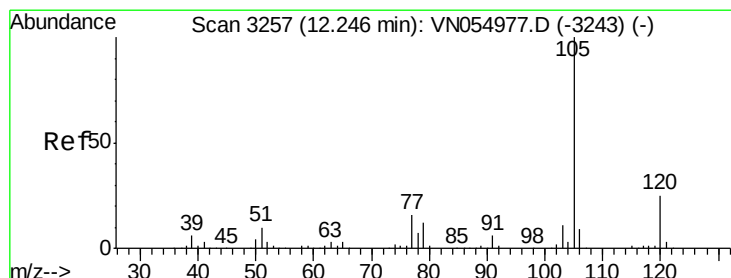
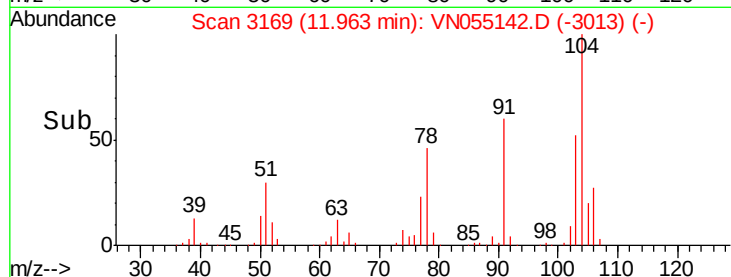
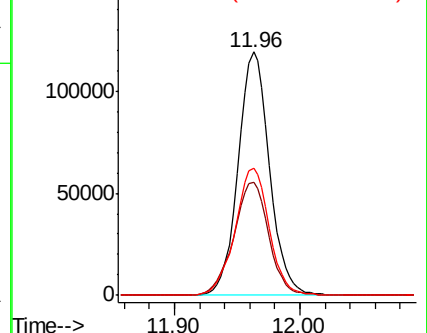
103 56.4 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.526 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055142.D

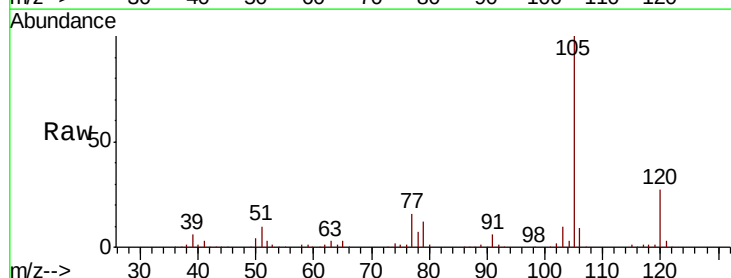
Acq: 19 Apr 2019 15:13

Tgt Ion:105 Resp: 364490

Ion Ratio Lower Upper

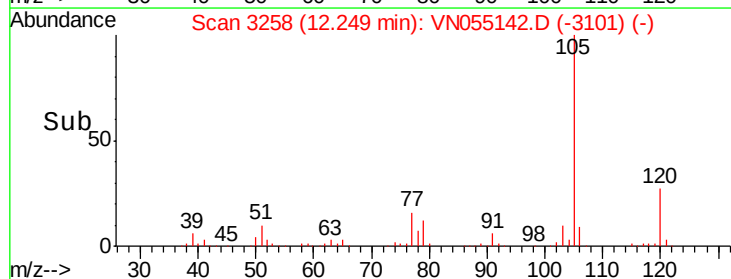
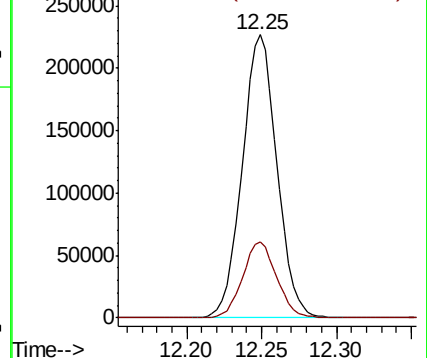
105 100

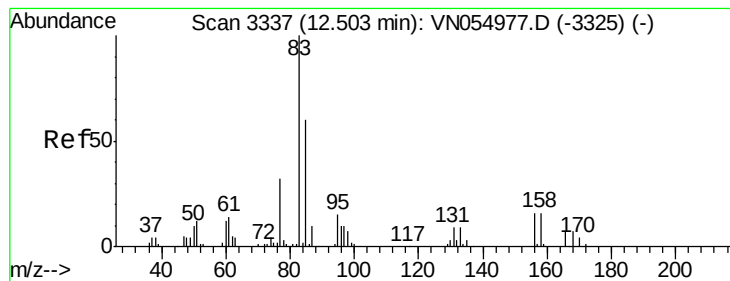
120 26.3 18.3 33.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 24.769 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

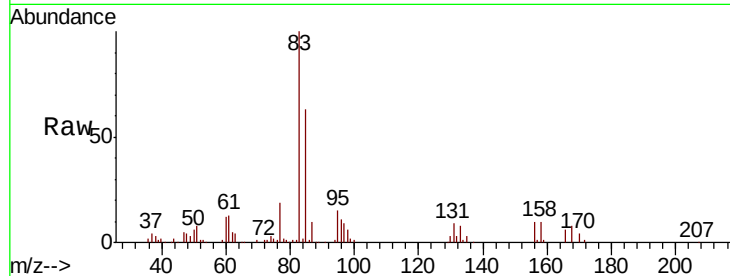
Tot Ion: 83 Resp: 105753

Ion Ratio Lower Upper

83 100

131 9.2 4.6 13.8

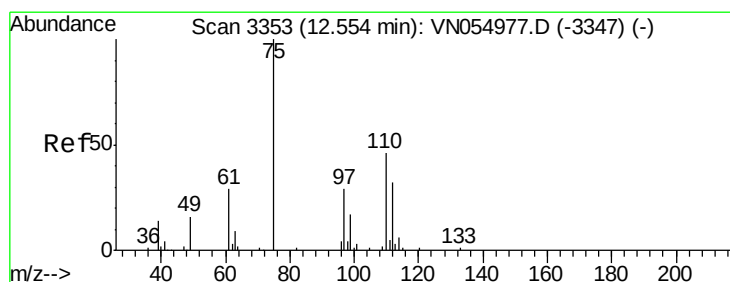
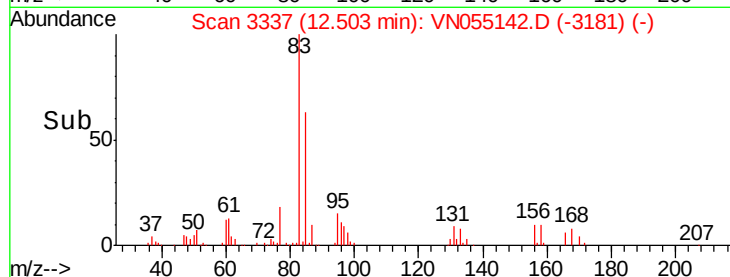
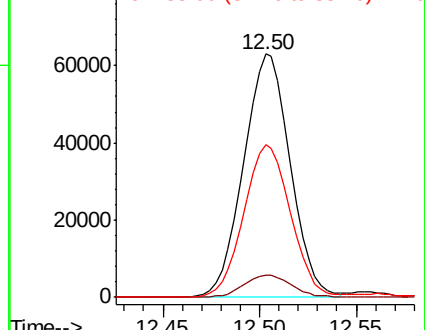
85 62.9 30.9 92.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 32.384 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055142.D

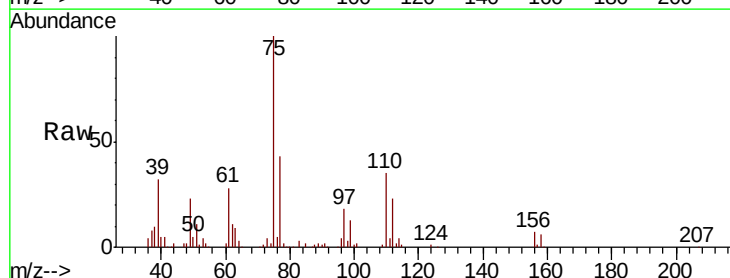
Acq: 19 Apr 2019 15:13

Tgt Ion: 75 Resp: 114185

Ion Ratio Lower Upper

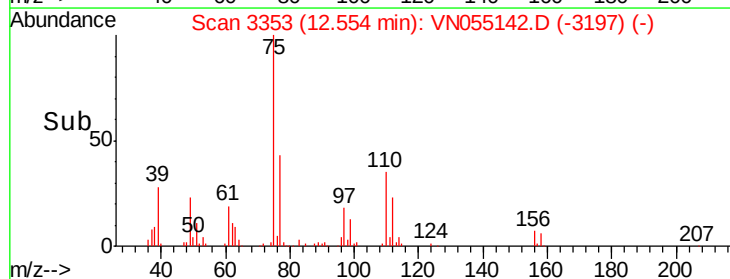
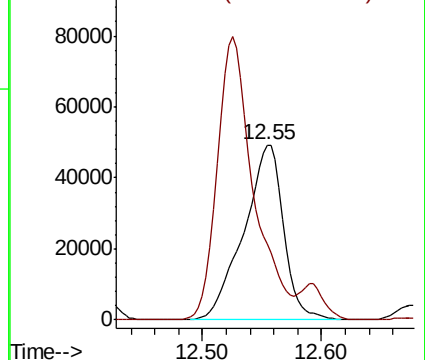
75 100

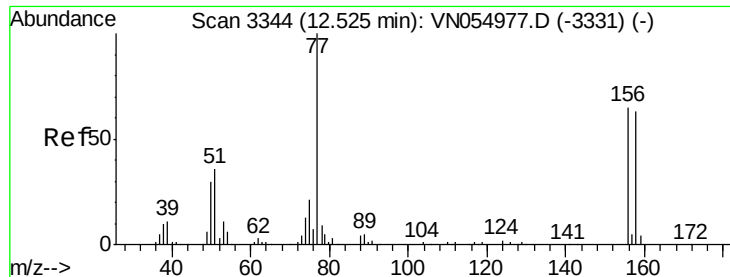
77 147.6 0.0 466.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.375 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBSD01

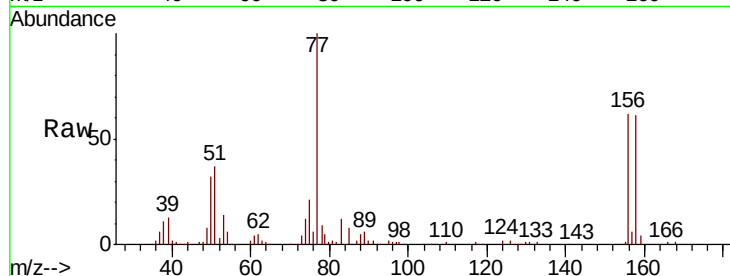
Tot Ion:156 Resp: 85485

Ion Ratio Lower Upper

156 100

77 197.1 0.0 383.2

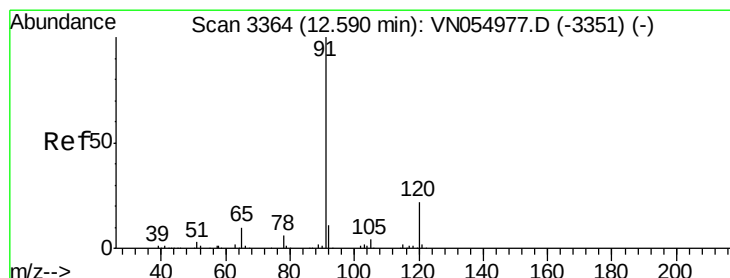
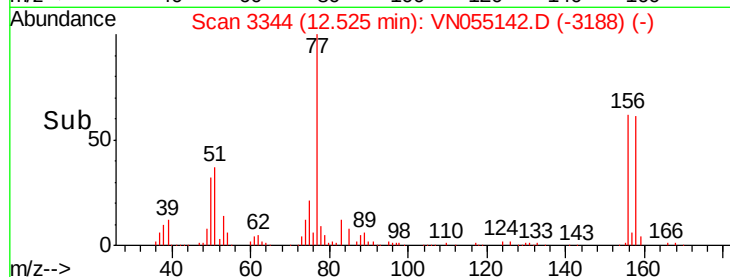
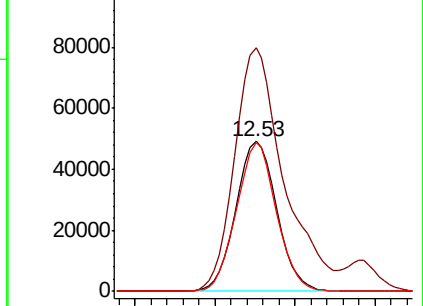
158 96.7 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.395 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055142.D

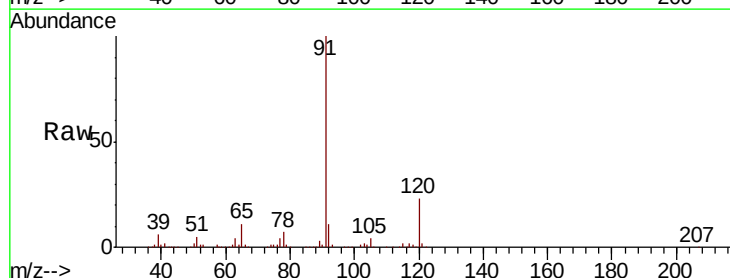
Acq: 19 Apr 2019 15:13

Tgt Ion: 91 Resp: 384427

Ion Ratio Lower Upper

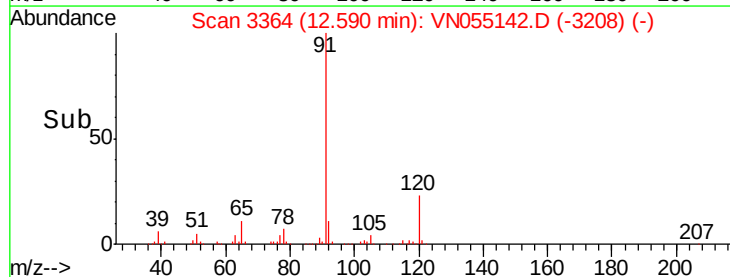
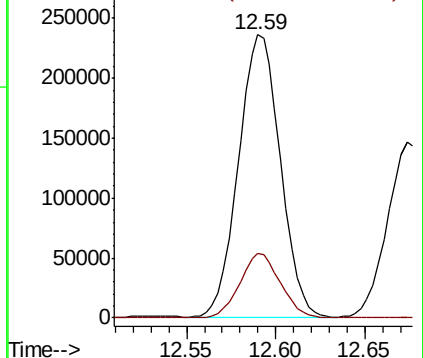
91 100

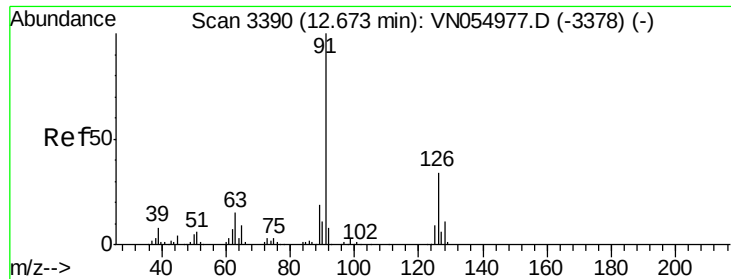
120 22.2 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.209 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

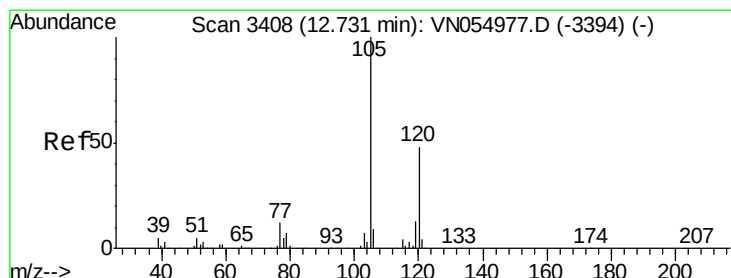
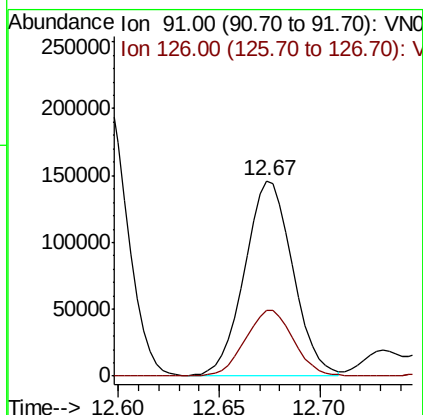
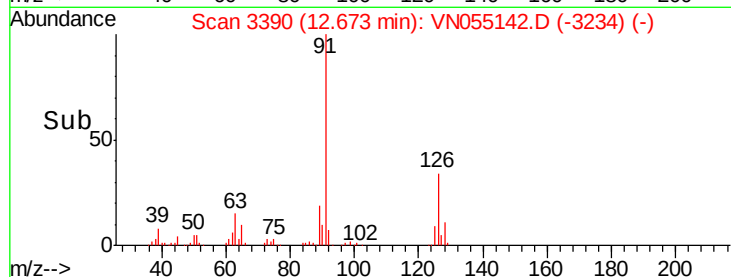
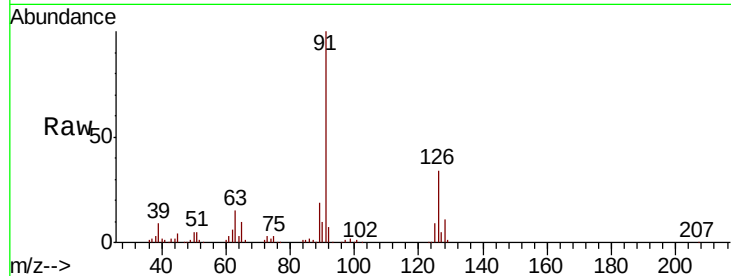
VN0419WBSD01

Tot Ion: 91 Resp: 242109

Ion Ratio Lower Upper

91 100

126 34.1 0.0 67.4



#76

1,3,5-Trimethylbenzene

Concen: 18.668 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055142.D

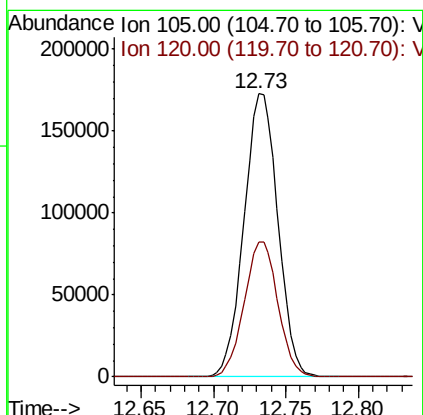
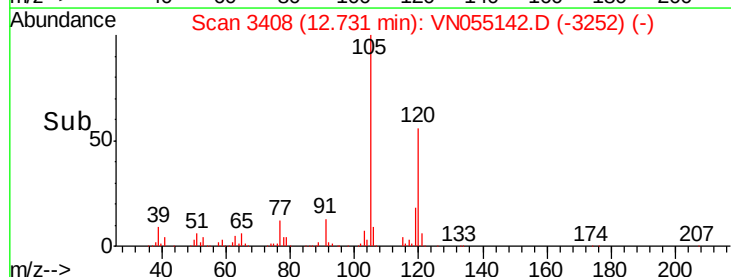
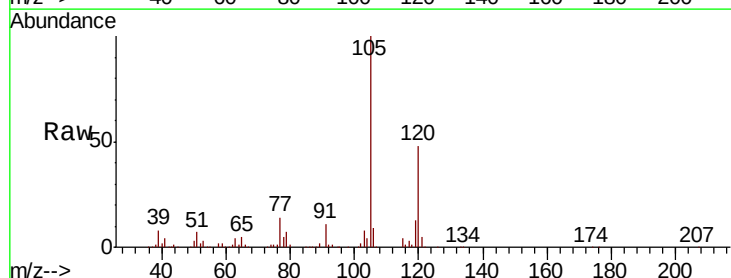
Acq: 19 Apr 2019 15:13

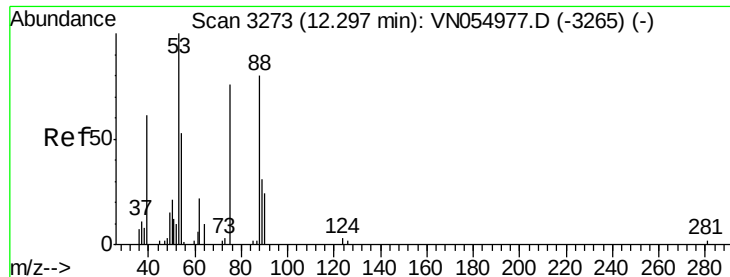
Tgt Ion: 105 Resp: 281727

Ion Ratio Lower Upper

105 100

120 47.4 0.0 94.8

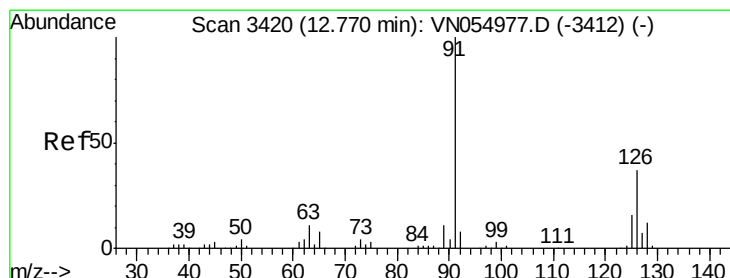
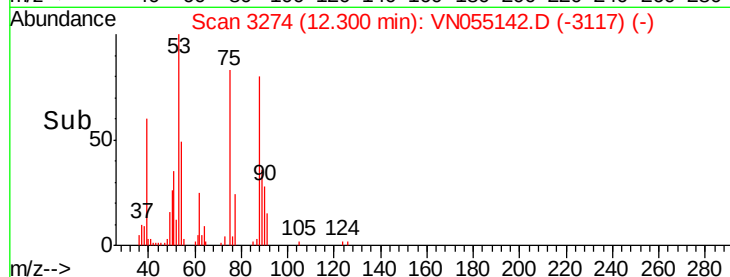
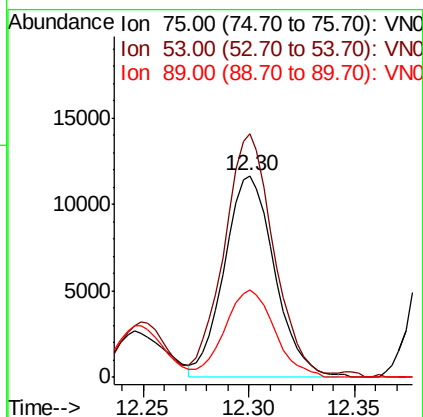
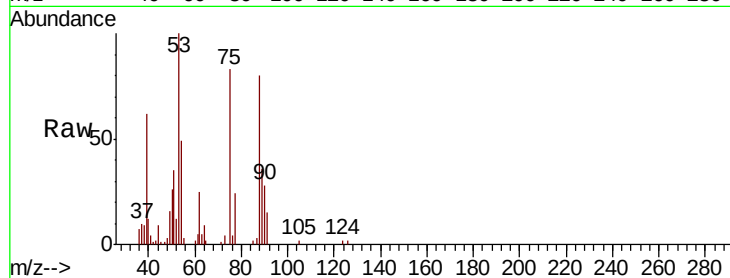




#77
t-1,4-Dichloro-2-butene
Concen: 21.714 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

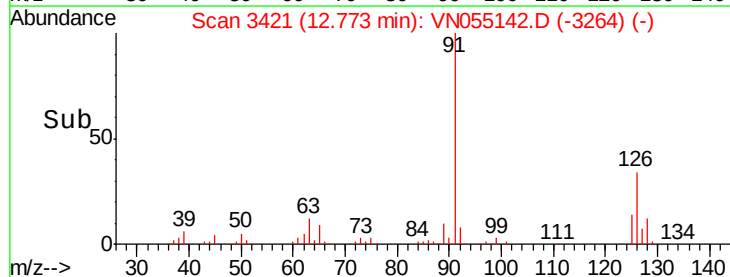
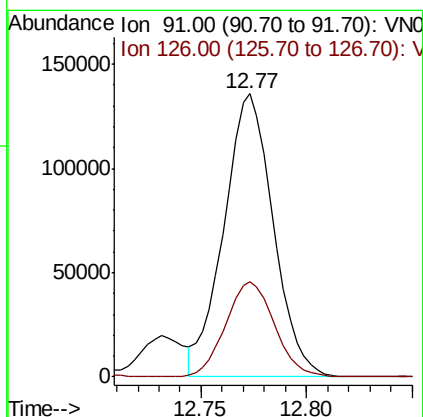
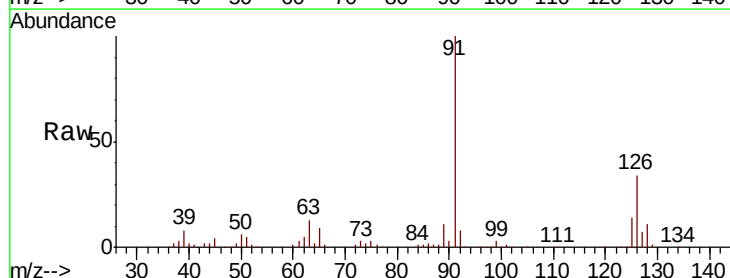
Instrument :
MSVOA_N
ClientSampled :
VN0419WBSD01

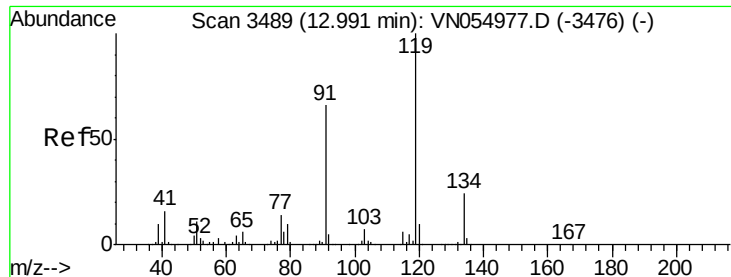
Tot Ion: 75 Resp: 19299
Ion Ratio Lower Upper
75 100
53 120.2 64.3 192.7
89 43.7 21.6 65.0



#78
4-Chlorotoluene
Concen: 18.233 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion: 91 Resp: 218966
Ion Ratio Lower Upper
91 100
126 33.4 0.0 66.6

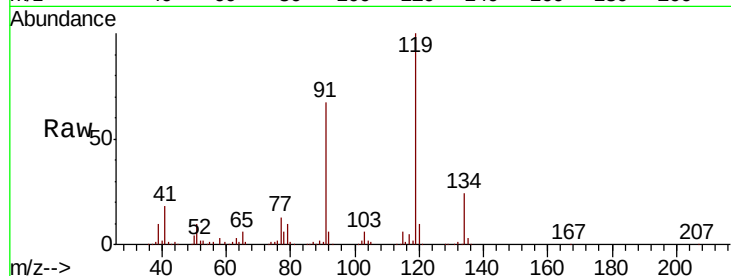




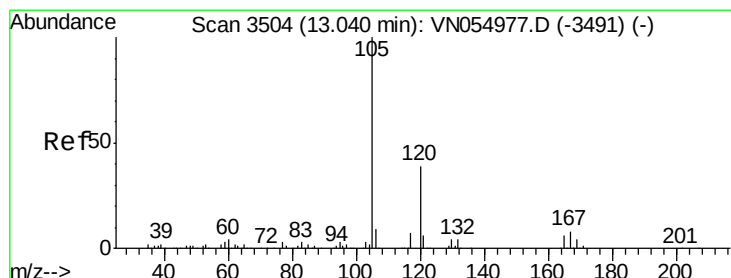
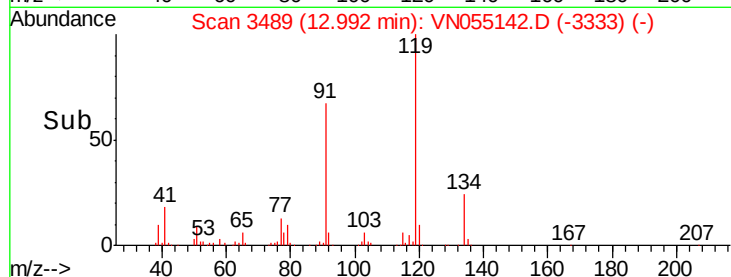
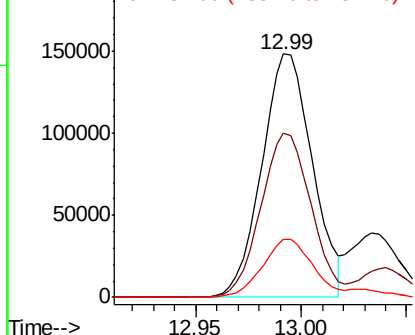
#79
tert-butylbenzene
Concen: 18.927 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tot Ion:119 Resp: 247162
Ion Ratio Lower Upper
119 100
91 66.9 0.0 132.6
134 23.7 0.0 47.6

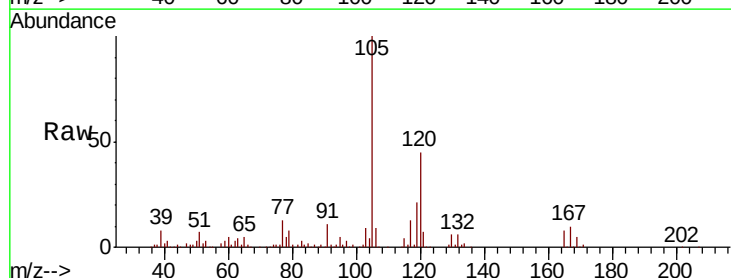


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

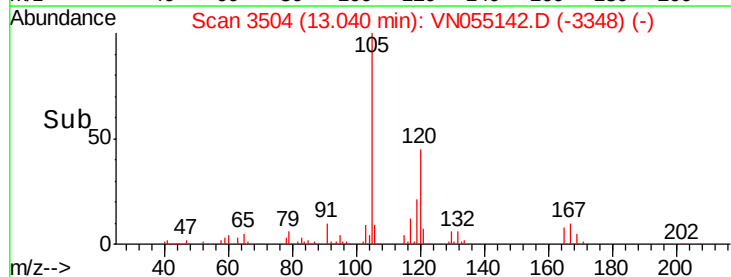
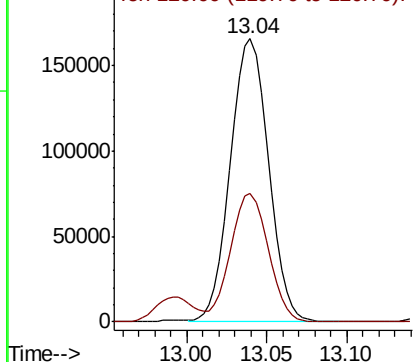


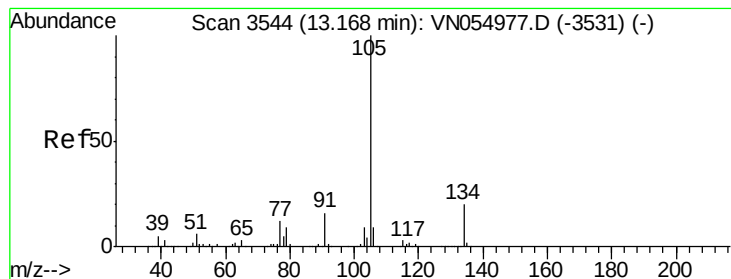
#80
1,2,4-Trimethylbenzene
Concen: 18.255 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion:105 Resp: 270648
Ion Ratio Lower Upper
105 100
120 44.7 0.0 91.4



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





#81

sec-Butylbenzene

Concen: 17.862 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

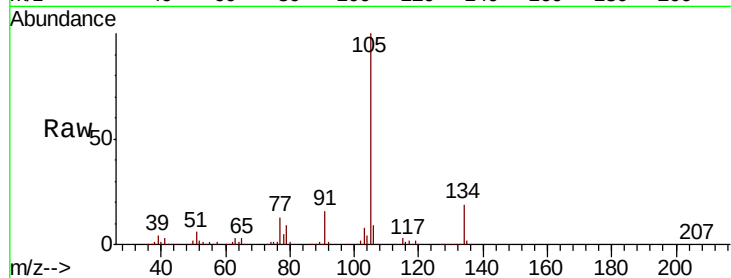
VN0419WBSD01

Tot Ion:105 Resp: 311663

Ion Ratio Lower Upper

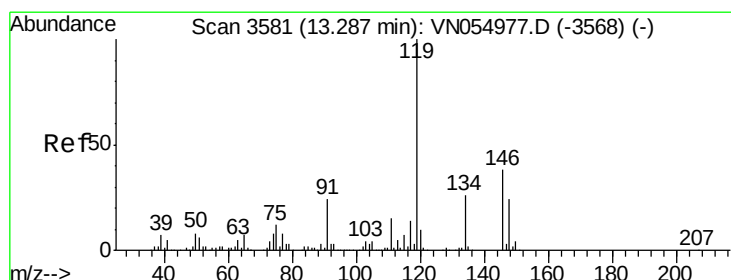
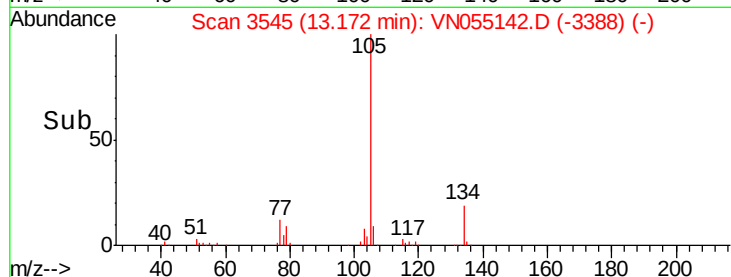
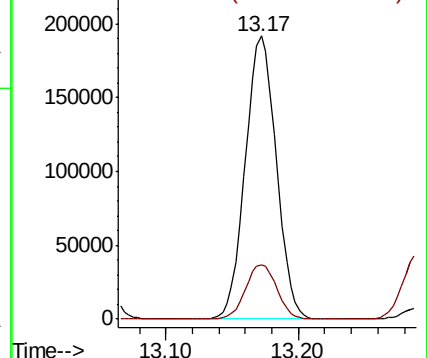
105 100

134 19.3 0.0 40.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 17.345 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

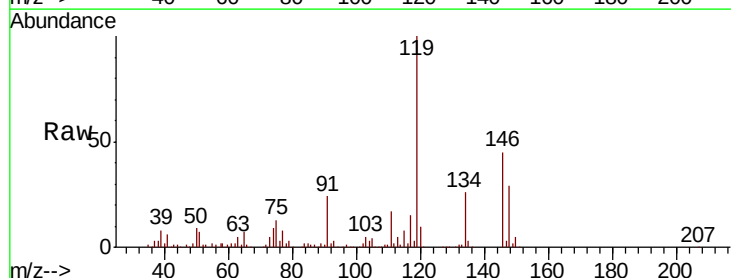
Tgt Ion:119 Resp: 255415

Ion Ratio Lower Upper

119 100

134 25.5 0.0 53.2

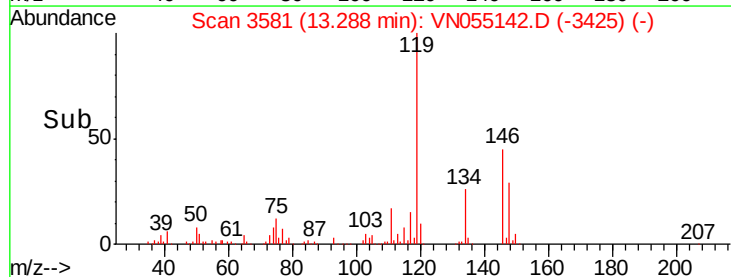
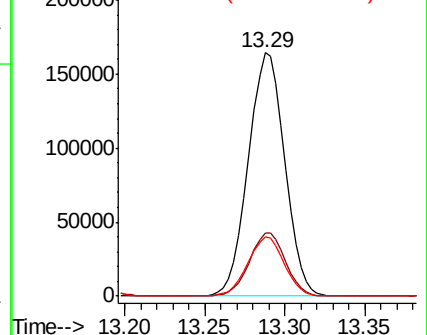
91 24.2 0.0 47.8

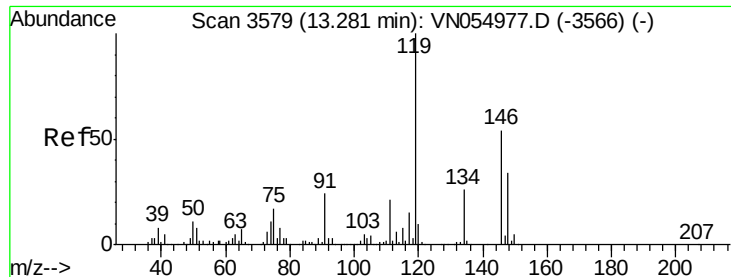


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

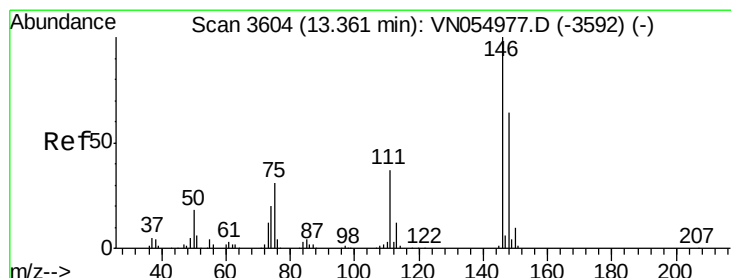
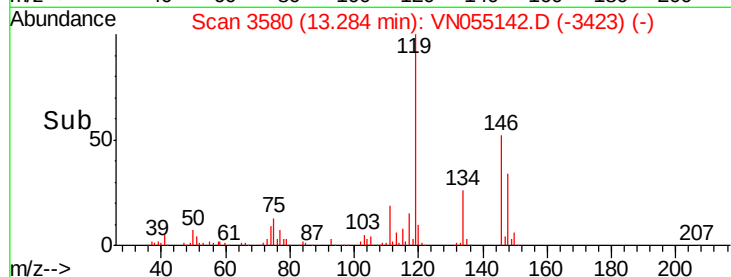
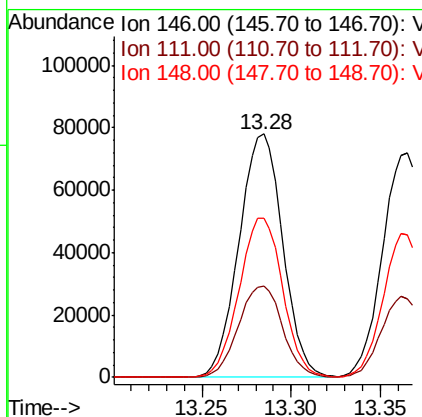
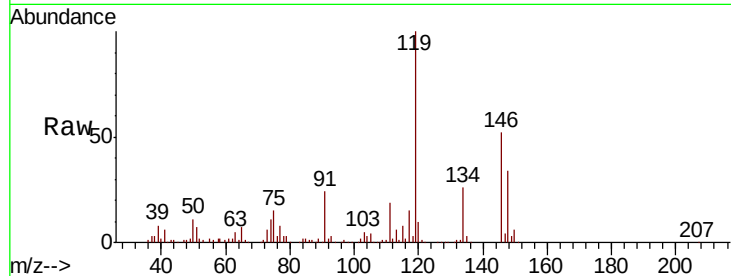




#83
 1,3-Dichlorobenzene
 Concen: 18.083 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

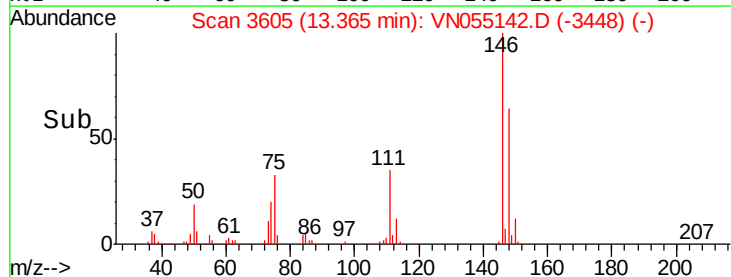
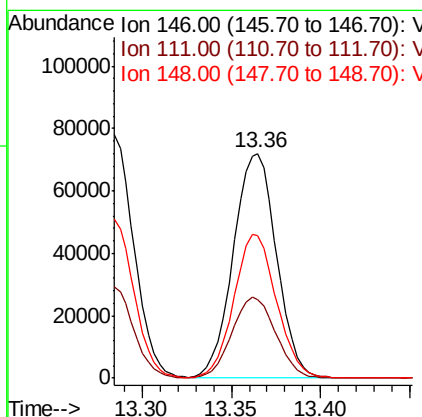
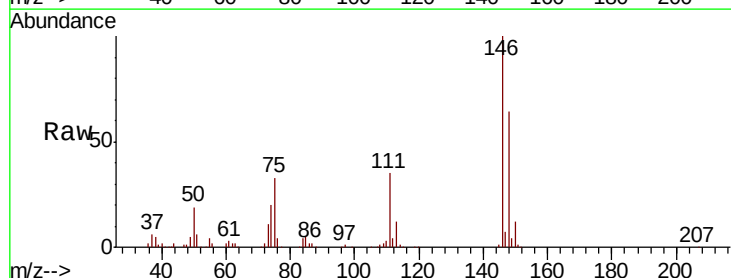
Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBSD01

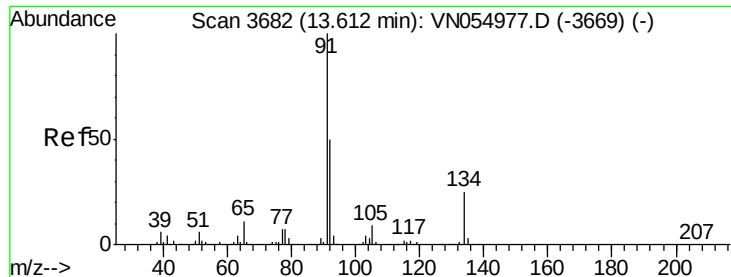
Tot Ion:146 Resp: 133478
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.5
 148 65.2 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 17.405 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion:146 Resp: 122082
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.4 55.2
 148 62.9 32.5 97.4





#85

n-Butylbenzene

Concen: 14.565 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055142.D

Acq: 19 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleID :

VN0419WBSD01

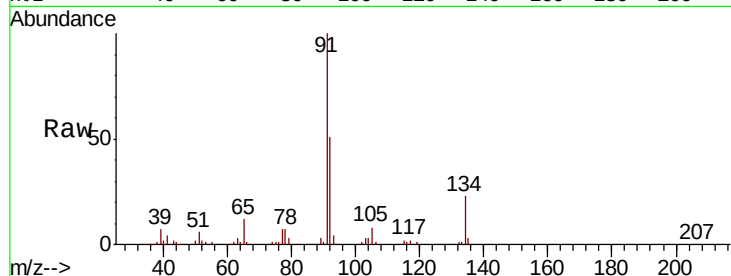
Tot Ion: 91 Resp: 170843

Ion Ratio Lower Upper

91 100

92 51.5 0.0 101.4

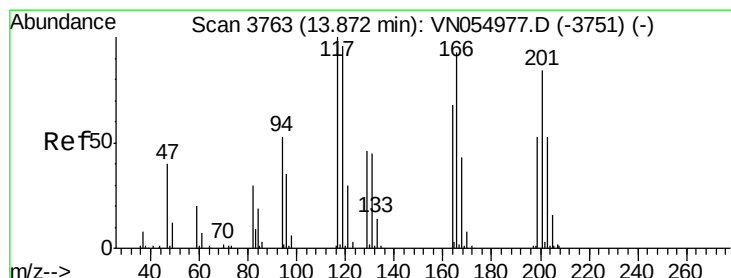
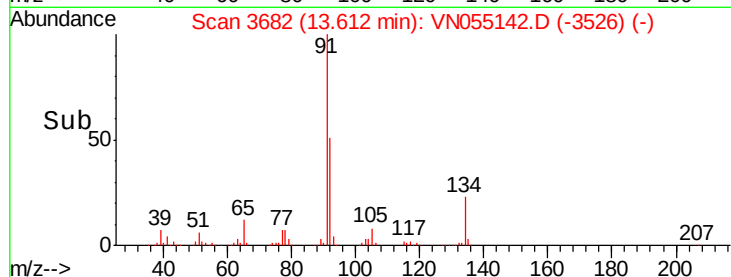
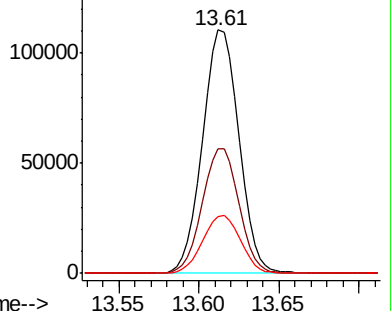
134 24.7 0.0 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)



#86

Hexachloroethane

Concen: 18.270 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055142.D

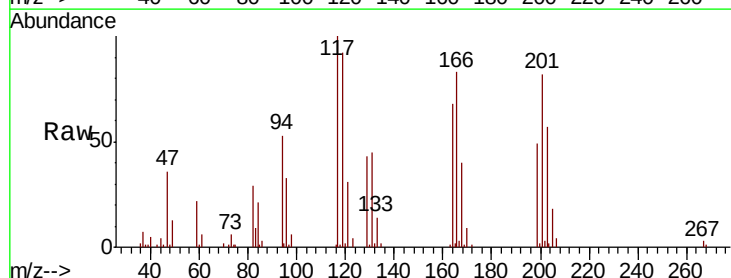
Acq: 19 Apr 2019 15:13

Tgt Ion: 117 Resp: 43069

Ion Ratio Lower Upper

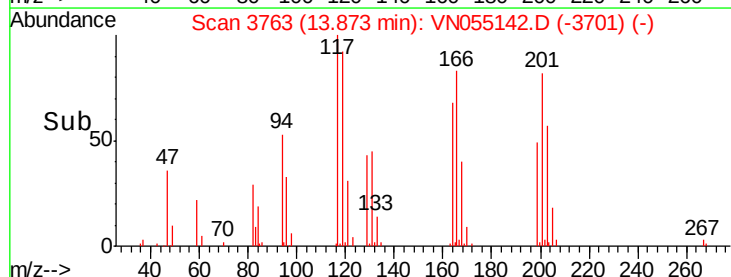
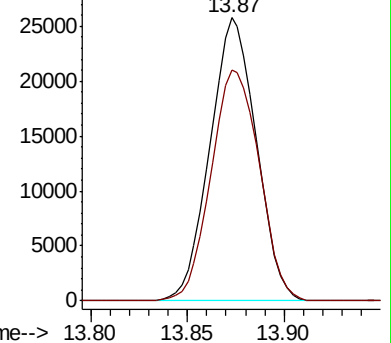
117 100

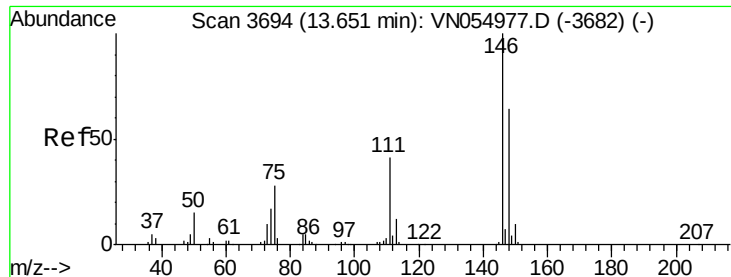
201 84.9 42.8 128.3



Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054977.D (-3751) (-)

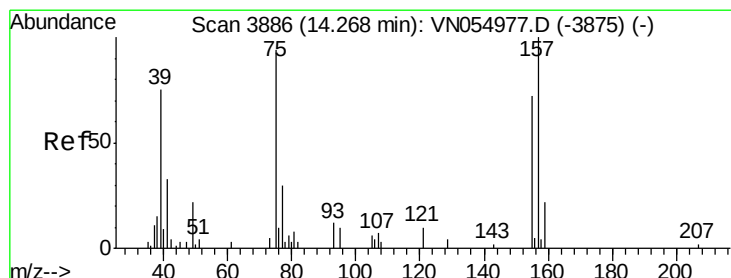
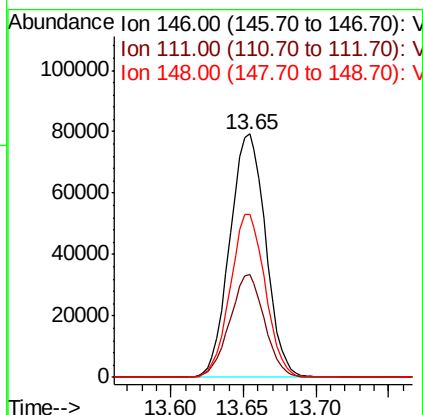
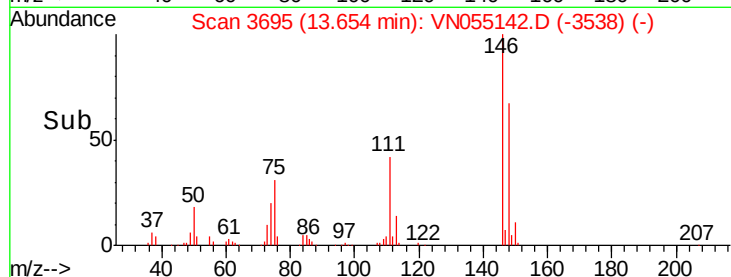
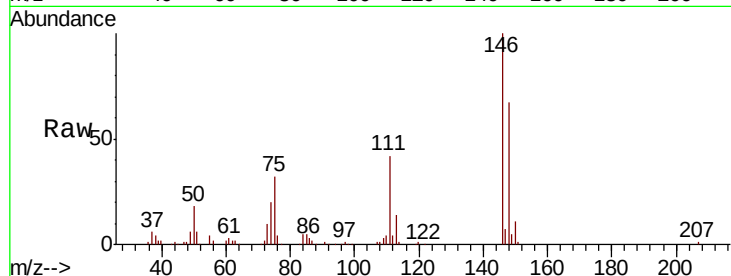




#87
 1,2-Dichlorobenzene
 Concen: 18.836 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

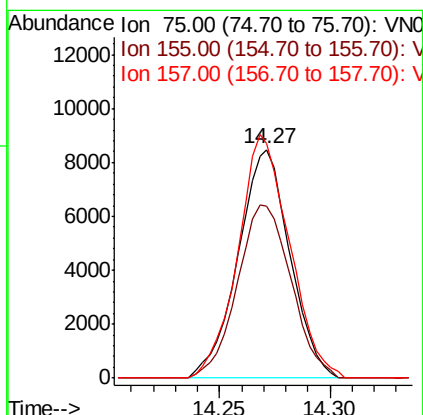
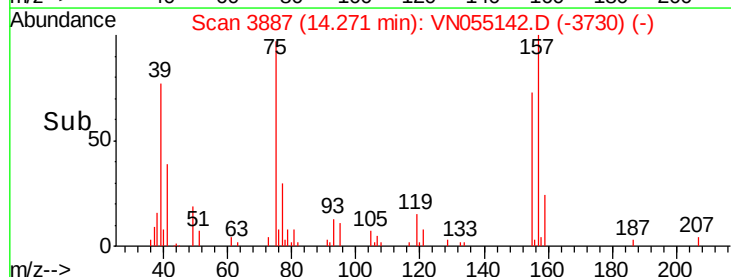
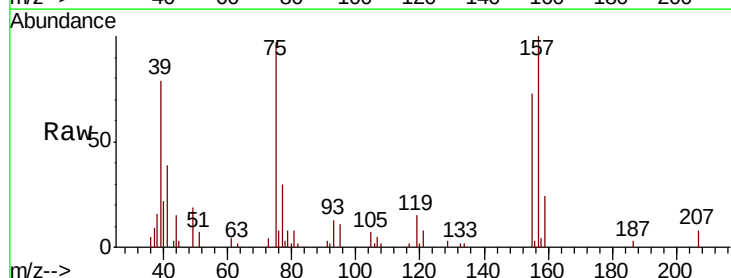
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

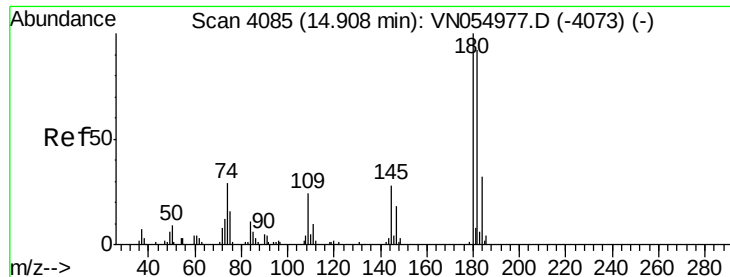
Tot Ion:146 Resp: 136163
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.3 60.8
 148 65.1 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 24.325 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion: 75 Resp: 13803
 Ion Ratio Lower Upper
 75 100
 155 78.7 61.8 92.8
 157 106.0 82.7 124.1

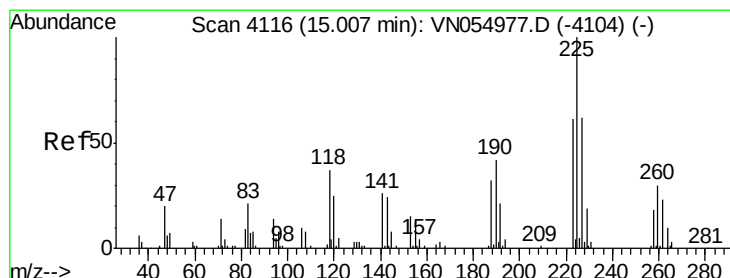
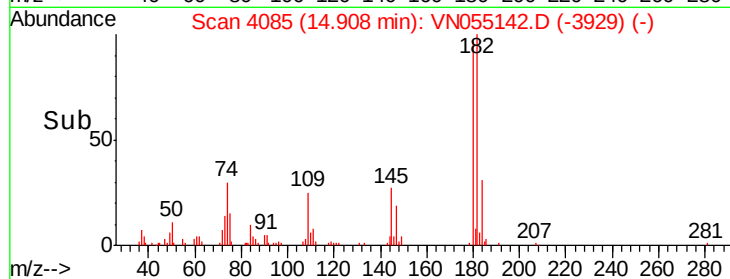
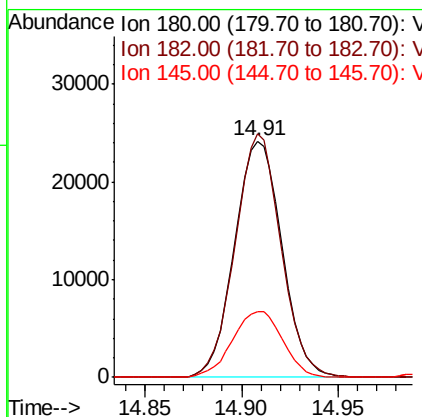
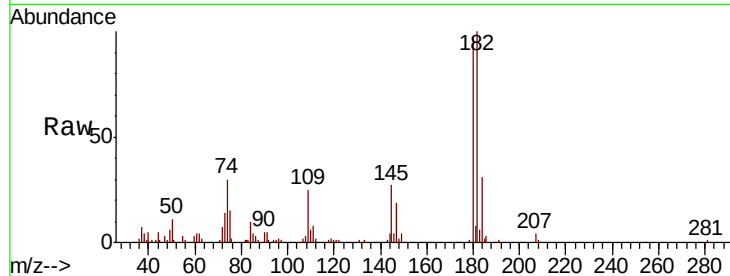




#89
 1,2,4-Trichlorobenzene
 Concen: 12.759 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

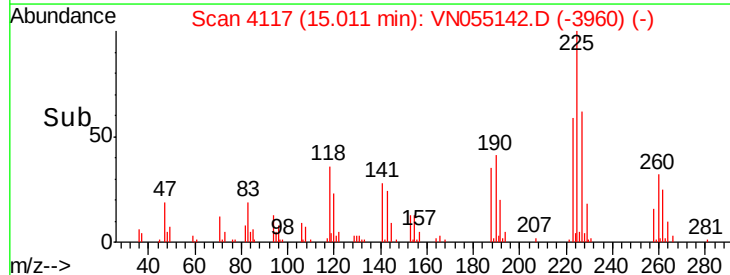
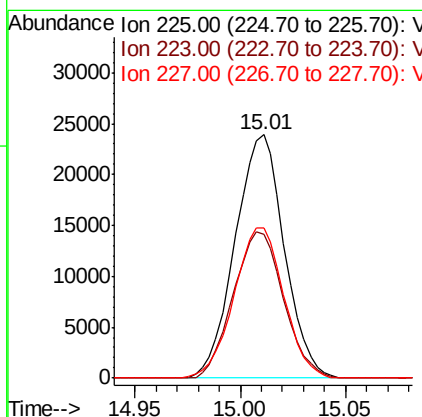
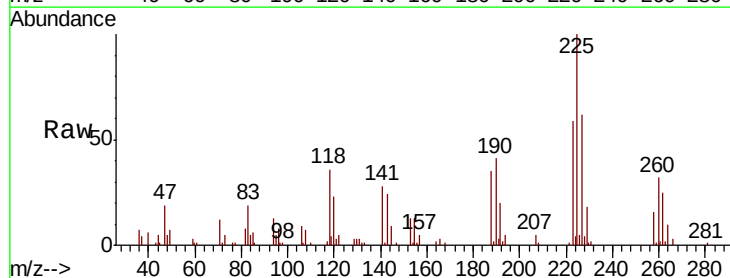
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBSD01

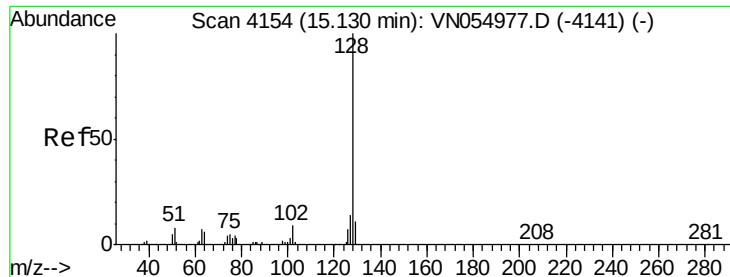
Tot Ion:180 Resp: 41234
 Ion Ratio Lower Upper
 180 100
 182 99.5 73.2 109.8
 145 29.6 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 16.441 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055142.D
 Acq: 19 Apr 2019 15:13

Tgt Ion:225 Resp: 38739
 Ion Ratio Lower Upper
 225 100
 223 61.5 0.0 126.0
 227 62.6 0.0 125.4

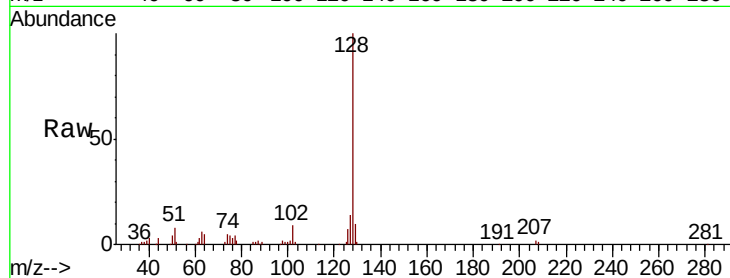




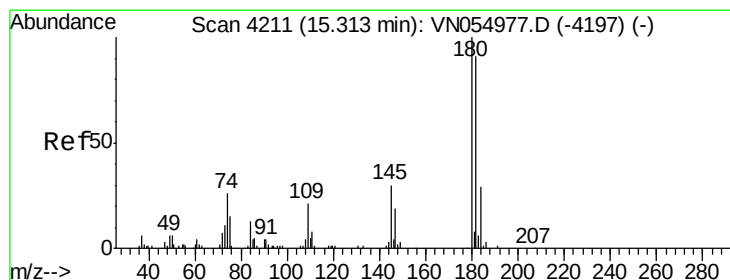
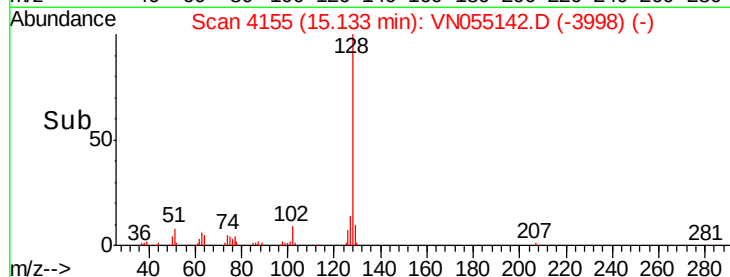
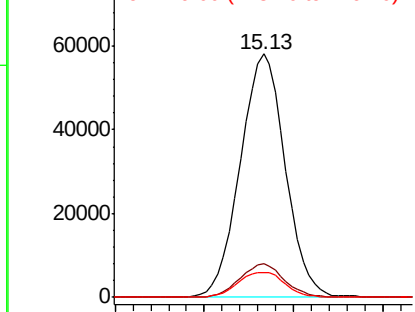
#91
Naphthalene
Concen: 15.090 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBSD01

Tot Ion:128 Resp: 102114
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.8 9.0 13.6

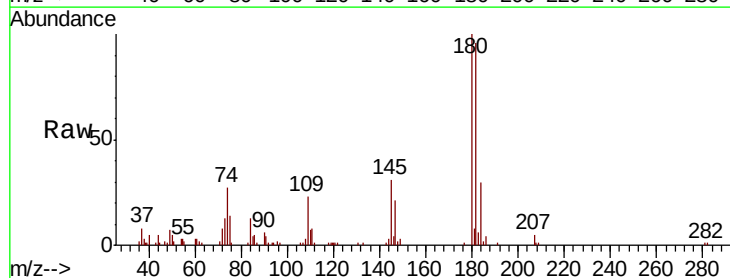


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 14.966 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055142.D
Acq: 19 Apr 2019 15:13

Tgt Ion:180 Resp: 48374
Ion Ratio Lower Upper
180 100
182 96.1 0.0 188.2
145 30.2 0.0 61.2



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

