

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055137.D
 Acq On : 19 Apr 2019 13:06
 Operator : JC/SP
 Sample : VN0419WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Quant Time: Apr 20 03:39:00 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	69992	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	369959	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	325204	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165705	31.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.53%
60) 4-Bromofluorobenzene	12.40	95	144686	28.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.27%
63) Toluene-d8	10.09	98	468661	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	76729	18.639	ug/l 100
3) Chloromethane	2.06	50	104142	18.728	ug/l 95
4) Vinyl Chloride	2.19	62	87937	18.287	ug/l 100
5) Bromomethane	2.56	94	46824	16.834	ug/l 94
6) Chloroethane	2.70	64	48582	18.039	ug/l 99
7) Trichlorofluoromethane	3.02	101	127722	20.785	ug/l 98
8) Diethyl Ether	3.41	74	51098	25.899	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	80130	23.855	ug/l 97
10) 1,1-Dichloroethene	3.74	96	77188	24.854	ug/l 86
11) Methyl Iodide	3.95	142	112788	23.998	ug/l 97
12) Methyl Acetate	4.33	43	105057	27.502	ug/l 98
13) Acrolein	3.61	56	35397	105.730	ug/l 97
14) Acrylonitrile	5.00	53	195014	124.609	ug/l 99
15) Acetone	3.82	58	47707	123.189	ug/l 79
16) Carbon Disulfide	4.05	76	194187	18.641	ug/l 97
17) Allyl chloride	4.33	41	156892	20.514	ug/l 97
18) Methylene Chloride	4.55	84	92882	20.233	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	79777	19.733	ug/l 98
20) Diisopropyl ether	5.96	45	327267	21.123	ug/l 95
21) 1,1-Dichloroethane	5.85	63	169906	20.531	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	96801	20.600	ug/l 96
23) tert-Butyl Alcohol	4.79	59	36862	147.718	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	239119	22.930	ug/l # 67
25) Chloroform	7.37	83	163202	20.589	ug/l 97
26) Cyclohexane	7.66	56	143863	18.736	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	116657	20.247	ug/l 98
30) 2-Butanone	6.84	43	243522	127.329	ug/l 100
31) 2,2-Dichloropropane	6.83	77	103390	19.497	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	127998	21.018	ug/l 98
33) Carbon Tetrachloride	7.78	117	107473	20.383	ug/l 98
34) Benzene	8.04	78	362856	21.252	ug/l 99
35) Methacrylonitrile	7.17	41	51713	22.941	ug/l 96
36) 1,2-Dichloroethane	8.13	62	125349	21.480	ug/l 99
37) Trichloroethene	8.83	130	87497	20.102	ug/l 90
38) Methylcyclohexane	9.08	83	117830	17.635	ug/l 100
39) 1,2-Dichloropropane	9.12	63	102250	21.688	ug/l 100
40) Dibromomethane	9.21	93	57502	21.578	ug/l 97

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Quant Time: Apr 20 03:39:00 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)
41) Bromodichloromethane	9.40	83	116276	21.142	ug/l	99
42) Vinyl Acetate	5.90	43	1122950	116.140	ug/l	100
43) Ethyl Acetate	6.93	43	103744	26.626	ug/l	96
44) Isopropyl Acetate	8.17	43	171257	25.936	ug/l	100
45) 1,4-Dioxane	9.20	88	20933	572.235	ug/l	97
46) Methyl methacrylate	9.20	41	81400	23.831	ug/l	96
47) n-amyl Acetate	12.07	43	119289	24.528	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	105785	20.946	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	128709	20.644	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	80652	22.283	ug/l	98
51) Ethyl methacrylate	10.43	69	98747	22.887	ug/l	96
52) 1,3-Dichloropropane	10.71	76	143839	22.679	ug/l	99
53) Dibromochloromethane	10.90	129	81166	21.770	ug/l	100
54) 1,2-Dibromoethane	11.00	107	77348	22.763	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	184618	102.352	ug/l	99
56) Bromoform	12.13	173	50606	21.602	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	509340	135.813	ug/l	99
59) 2-Hexanone	10.75	43	319482	134.097	ug/l	100
61) Tetrachloroethene	10.63	164	84430	19.950	ug/l	98
62) Toluene	10.16	91	372625	20.795	ug/l	98
64) Chlorobenzene	11.43	112	219892	20.327	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	80306	20.873	ug/l	98
66) Ethyl Benzene	11.51	91	384892	20.038	ug/l	99
67) m/p-Xylenes	11.62	106	282305	39.540	ug/l	100
68) o-Xylene	11.95	106	141436	20.046	ug/l	100
69) Styrene	11.96	104	213877	19.521	ug/l	98
70) Isopropylbenzene	12.25	105	369588	19.592	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	107107	24.824	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	122958	34.507	ug/l	47
73) Bromobenzene	12.53	156	88880	19.933	ug/l	96
74) n-propylbenzene	12.59	91	401450	19.009	ug/l	99
75) 2-Chlorotoluene	12.67	91	254986	20.019	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	294033	19.279	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	19457	21.663	ug/l	98
78) 4-Chlorotoluene	12.77	91	233903	19.273	ug/l	99
79) tert-butylbenzene	12.99	119	253171	19.184	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285905	19.082	ug/l	99
81) sec-Butylbenzene	13.17	105	329147	18.666	ug/l	99
82) p-Isopropyltoluene	13.29	119	266193	17.887	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	140396	18.821	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	129852	18.318	ug/l	99
85) n-Butylbenzene	13.61	91	184146	15.534	ug/l	100
86) Hexachloroethane	13.87	117	44293	18.593	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	144228	19.743	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14187	24.740	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	44248	13.548	ug/l	96
90) Hexachlorobutadiene	15.01	225	40410	16.970	ug/l	99
91) Naphthalene	15.13	128	110686	16.185	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	49494	15.152	ug/l	97

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

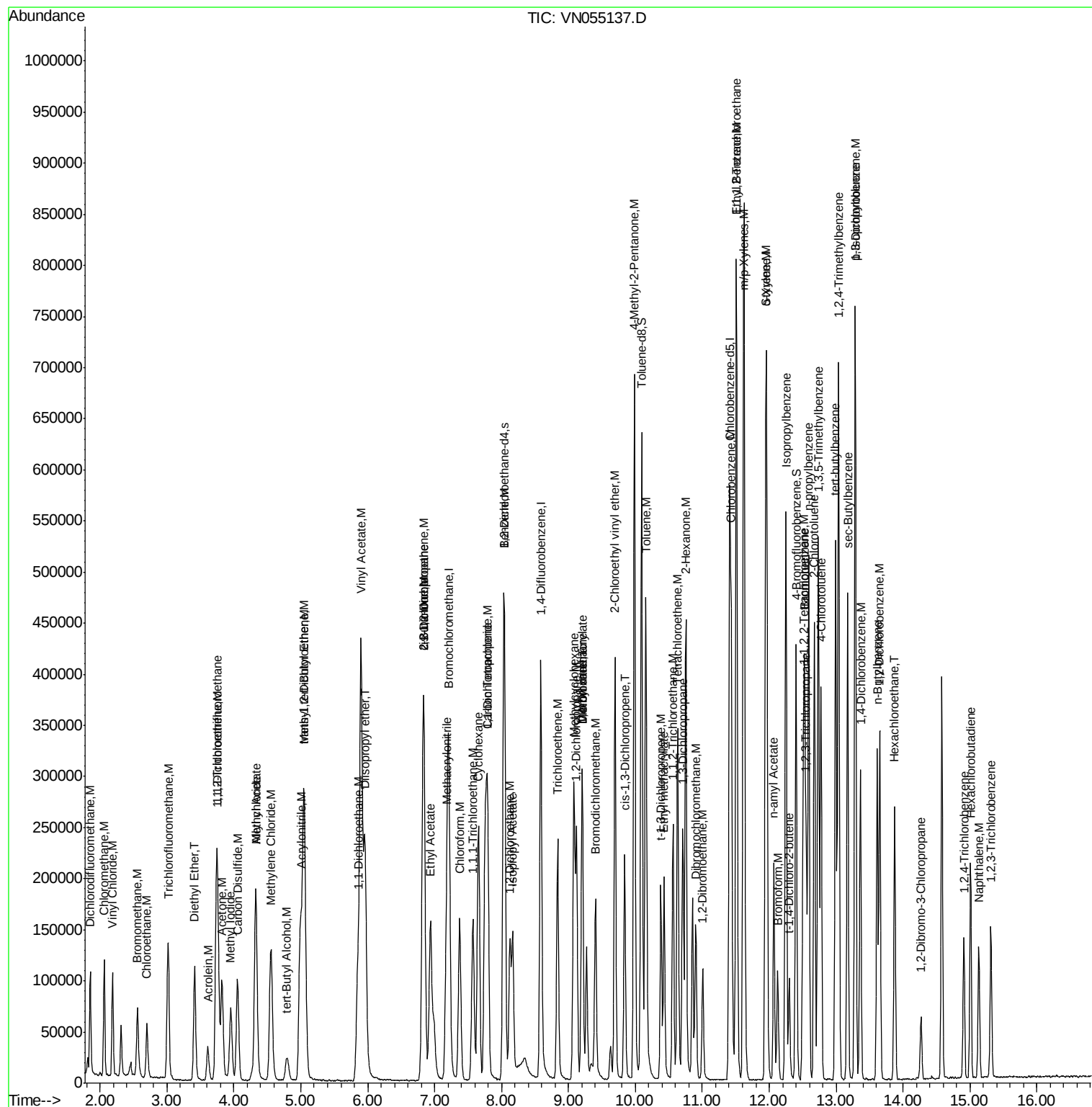
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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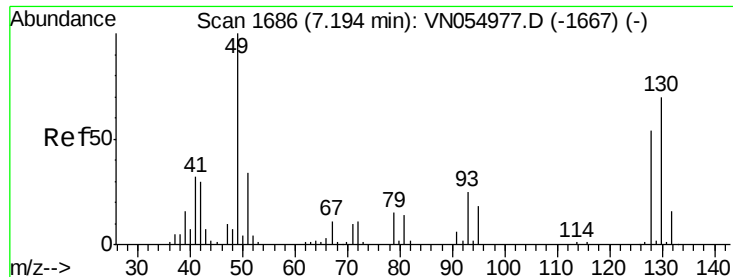
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055137.D
 Acq On : 19 Apr 2019 13:06
 Operator : JC/SP
 Sample : VN0419WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample Id :
 VN0419WBS01

Quant Time: Apr 20 03:39:00 2019
 Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

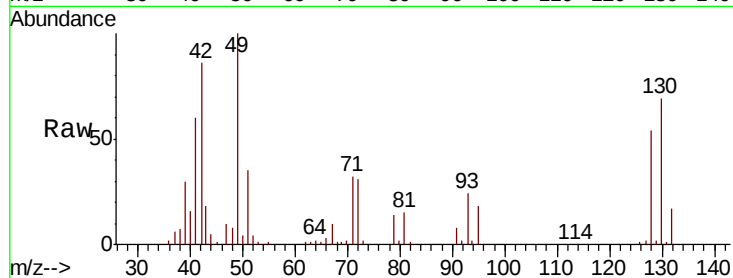
Tot Ion:128 Resp: 69992

Ion Ratio Lower Upper

128 100

49 192.2 0.0 480.3

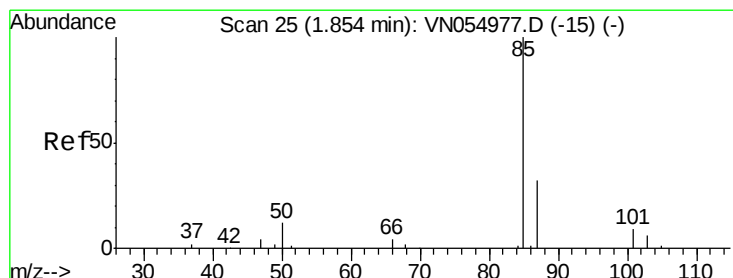
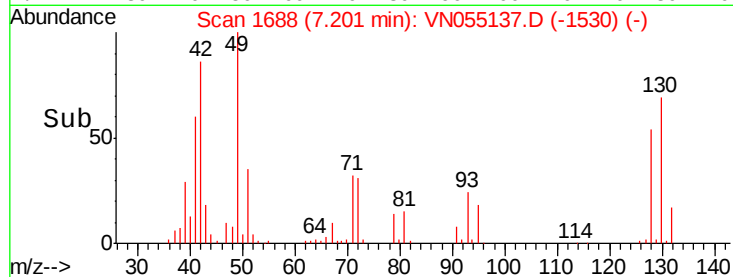
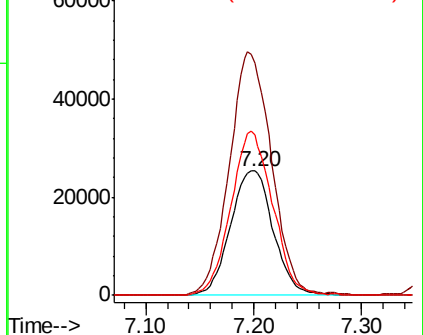
130 128.3 0.0 322.2



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: 18.639 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055137.D

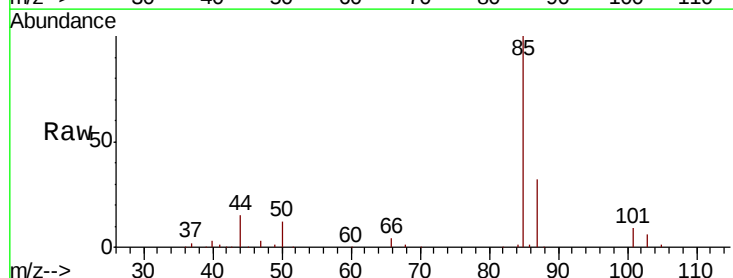
Acq: 19 Apr 2019 13:06

Tgt Ion: 85 Resp: 76729

Ion Ratio Lower Upper

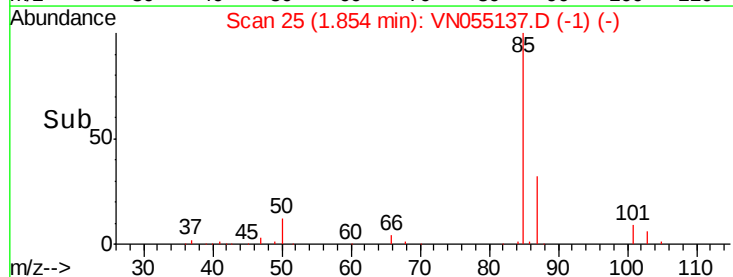
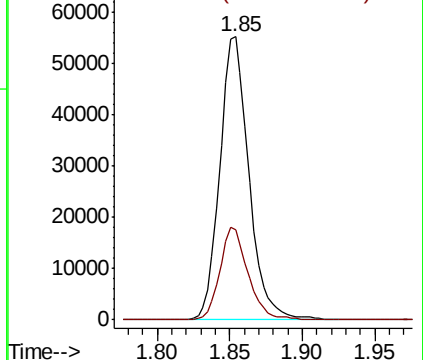
85 100

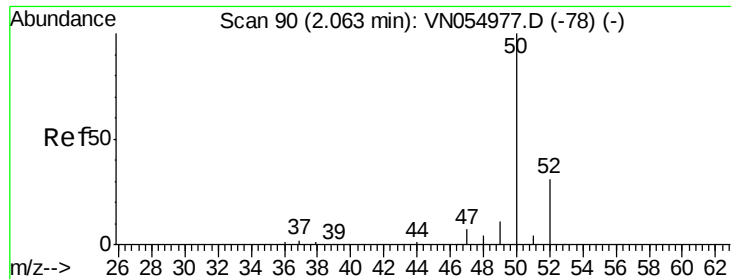
87 32.0 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

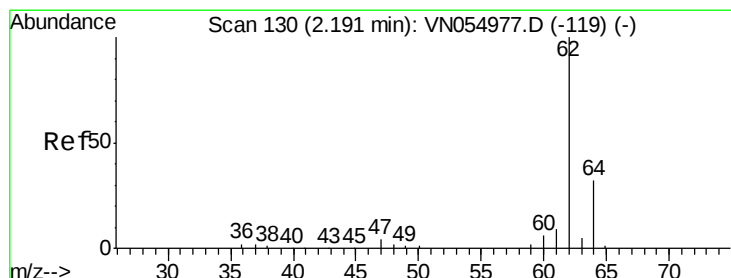
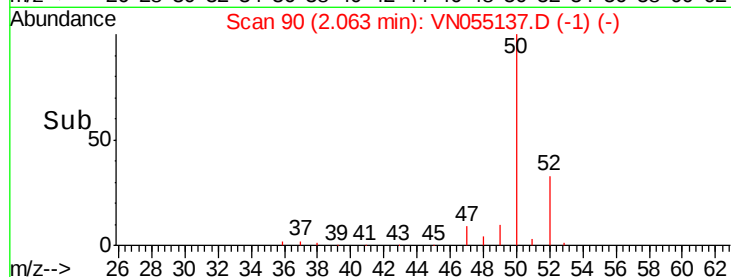
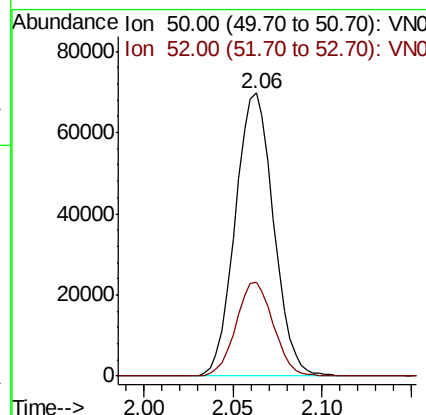
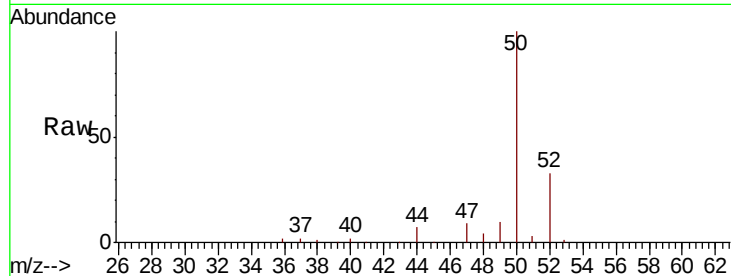




#3
Chloromethane
Concen: 18.728 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

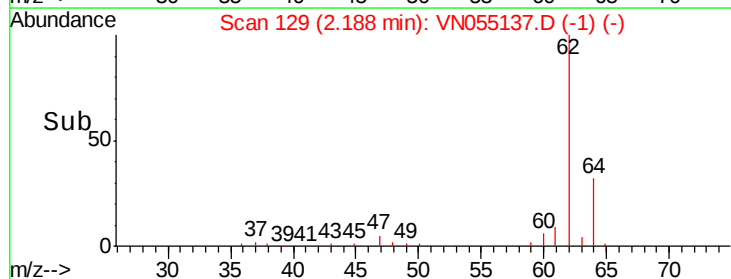
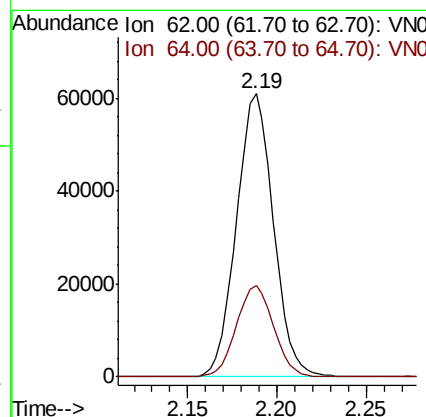
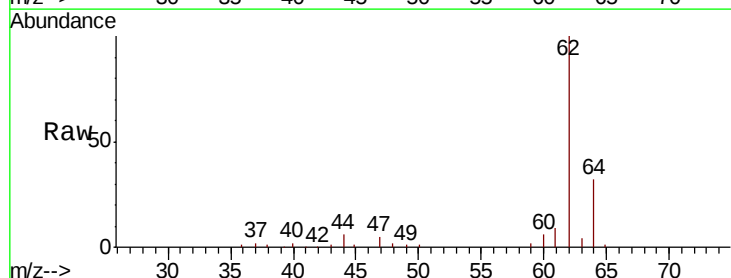
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

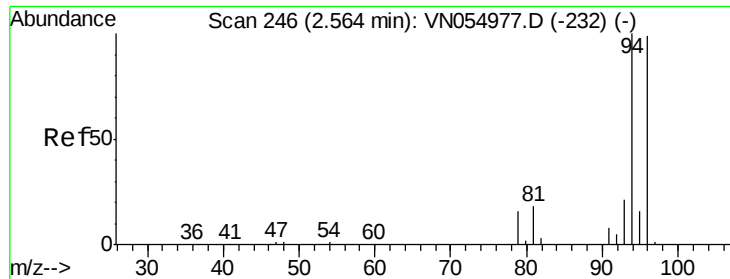
Tot Ion: 50 Resp: 104142
Ion Ratio Lower Upper
50 100
52 33.3 24.5 36.7



#4
Vinyl Chloride
Concen: 18.287 ug/l
RT: 2.19 min Scan# 129
Delta R.T. -0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 62 Resp: 87937
Ion Ratio Lower Upper
62 100
64 32.2 25.6 38.4





#5

Bromomethane

Concen: 16.834 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

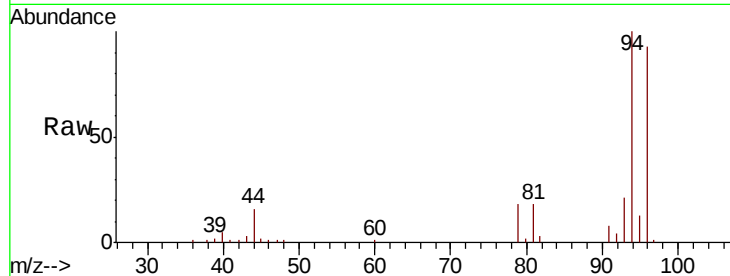
VN0419WBS01

Tot Ion: 94 Resp: 46824

Ion Ratio Lower Upper

94 100

96 92.6 79.1 118.7



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

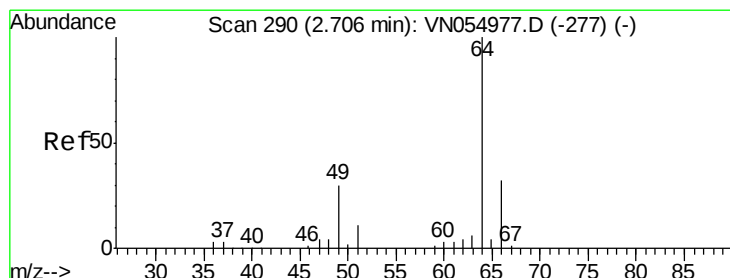
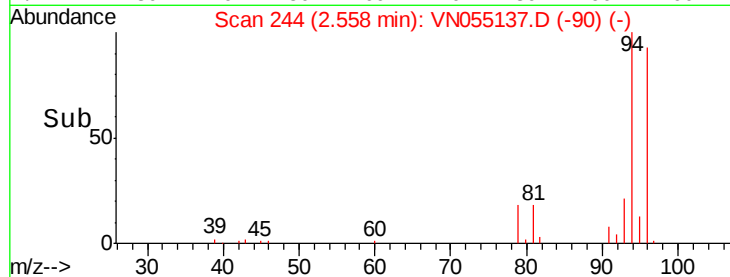
10000

5000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 18.039 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN055137.D

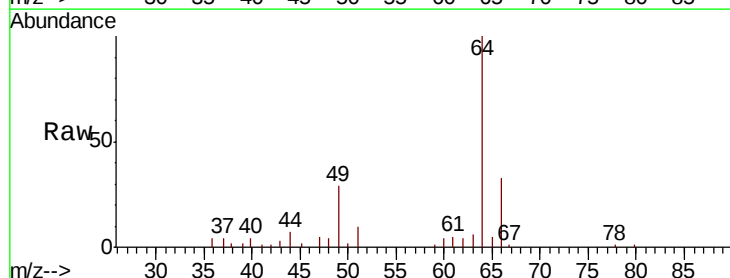
Acq: 19 Apr 2019 13:06

Tgt Ion: 64 Resp: 48582

Ion Ratio Lower Upper

64 100

66 32.9 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

25000

20000

15000

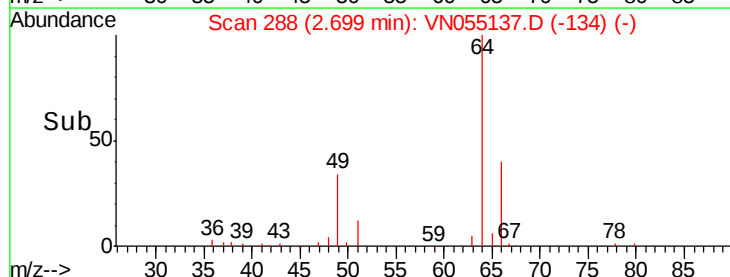
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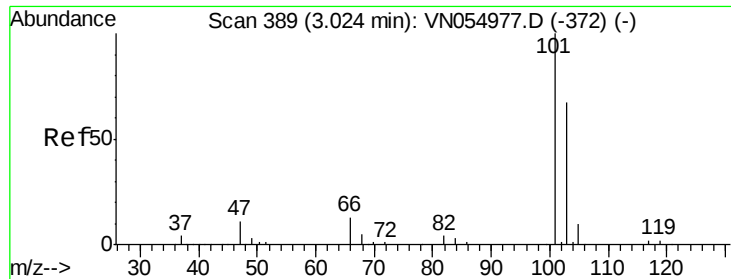
5000

0

2.65 2.70 2.75 2.80

Time-->



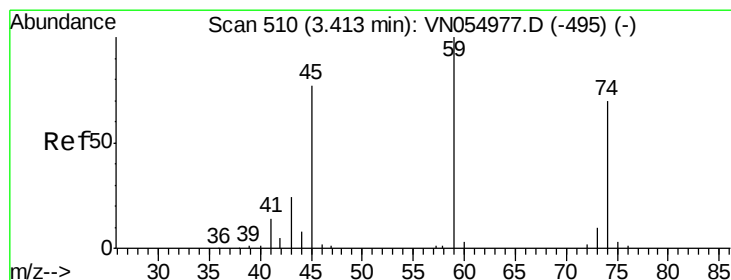
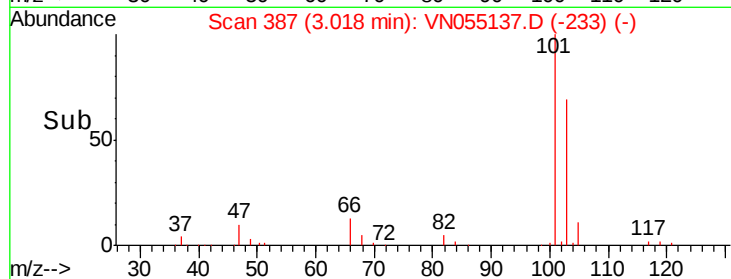
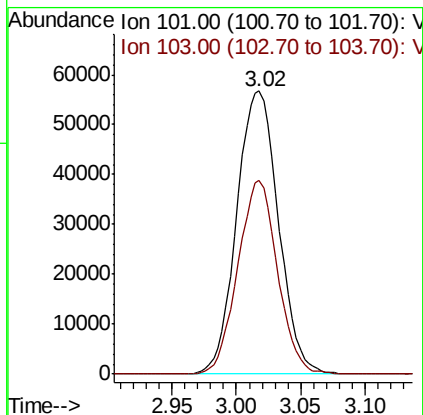
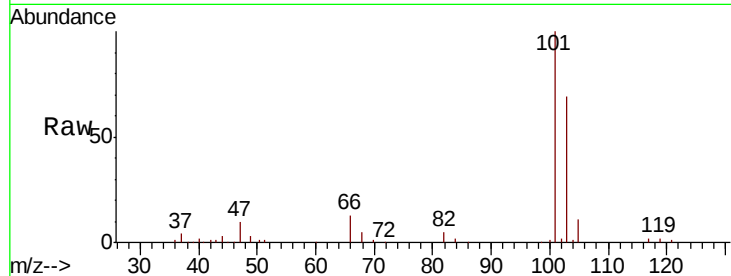


#7

Trichlorofluoromethane
 Concen: 20.785 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
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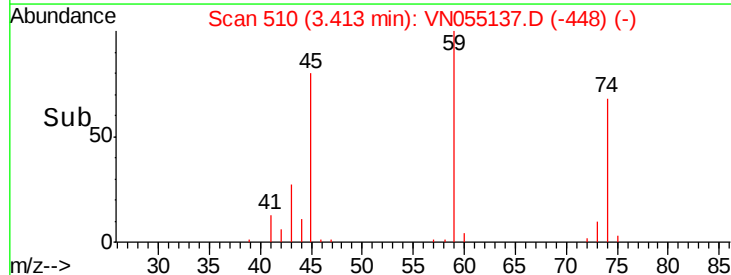
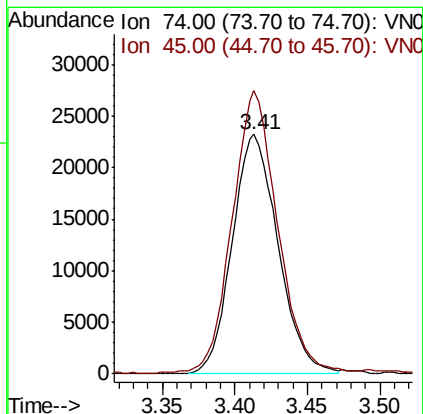
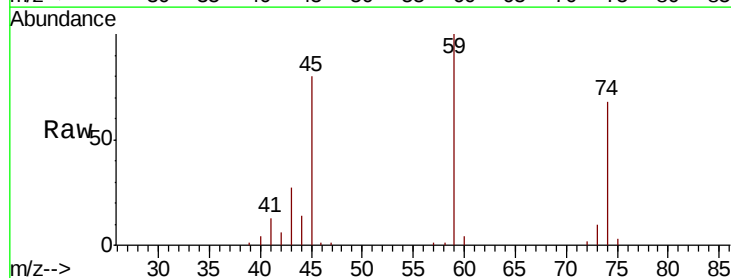
Tot Ion:101 Resp: 127722
 Ion Ratio Lower Upper
 101 100
 103 68.6 53.4 80.0

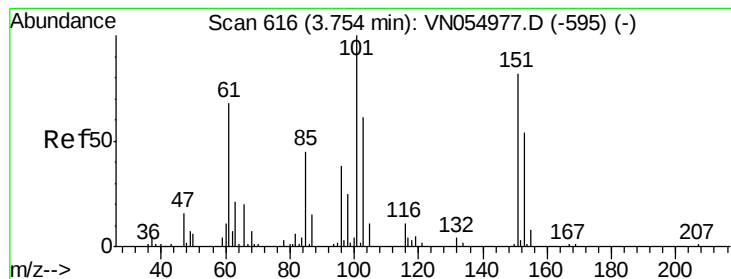


#8

Diethyl Ether
 Concen: 25.899 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 74 Resp: 51098
 Ion Ratio Lower Upper
 74 100
 45 117.7 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.855 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

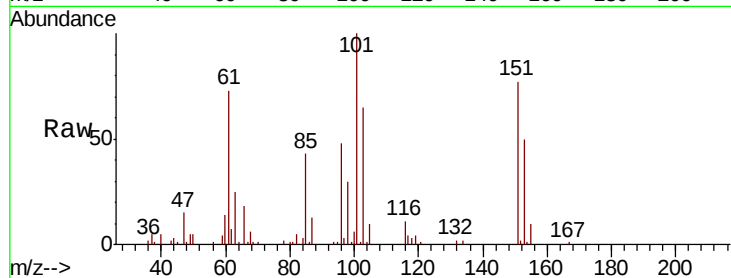
Tot Ion:101 Resp: 80130

Ion Ratio Lower Upper

101 100

85 43.7 0.0 91.4

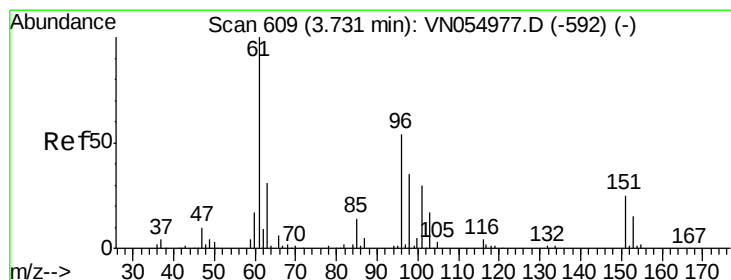
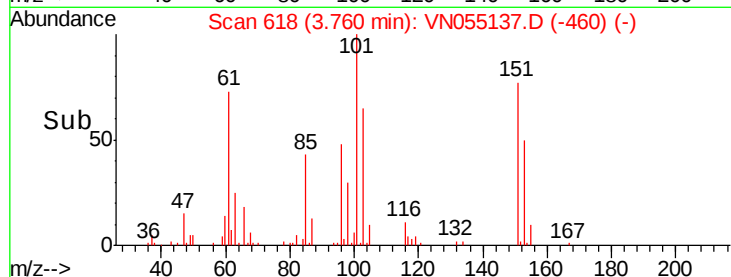
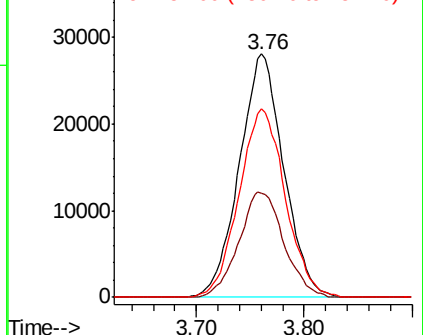
151 80.7 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 24.854 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

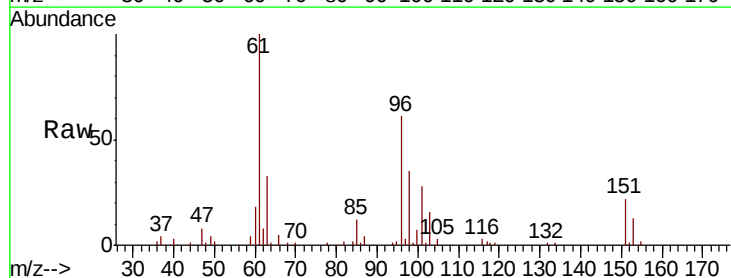
Tgt Ion: 96 Resp: 77188

Ion Ratio Lower Upper

96 100

61 162.7 148.4 222.6

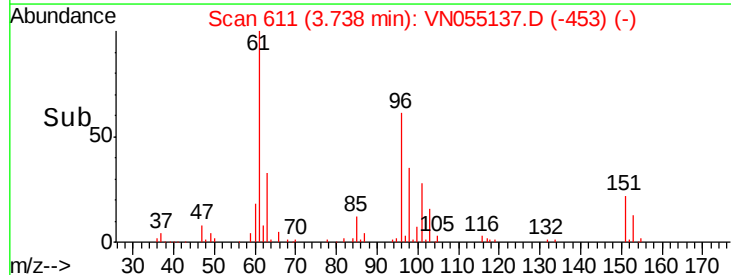
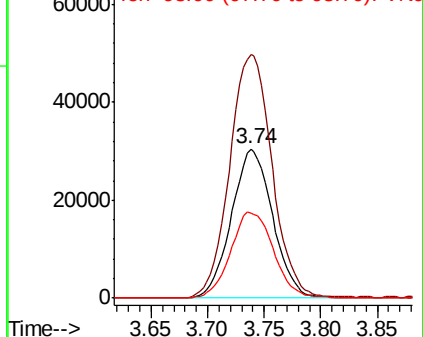
98 57.3 52.2 78.2

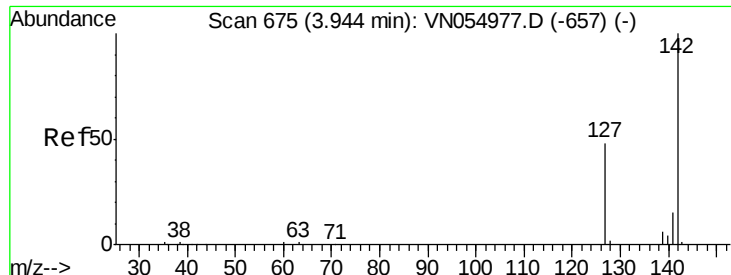


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

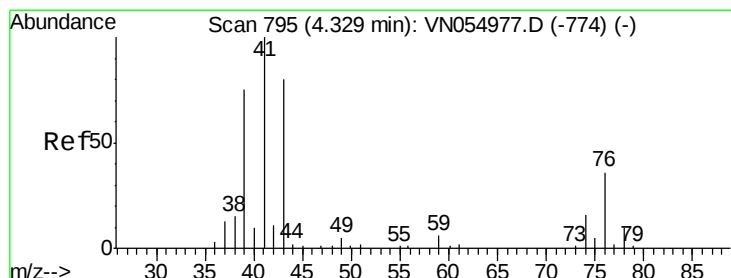
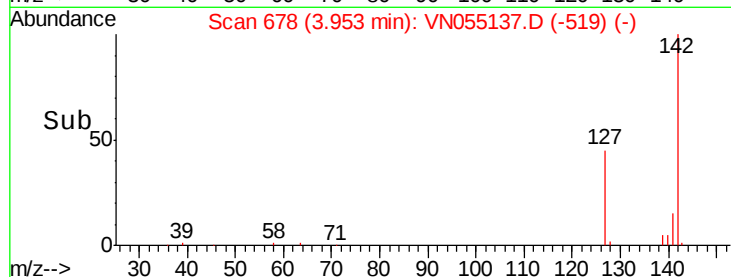
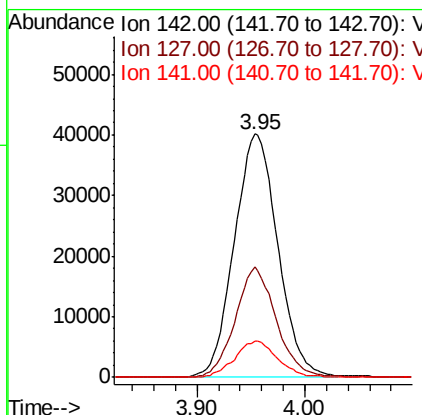
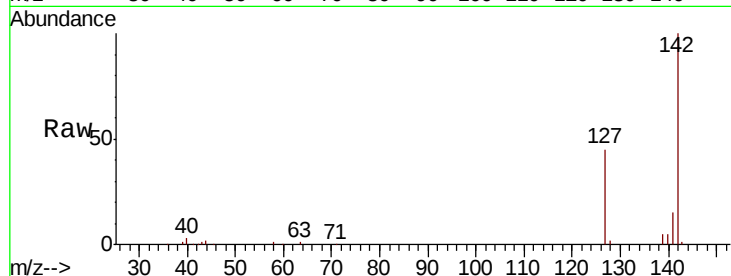




#11
Methyl Iodide
Concen: 23.998 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

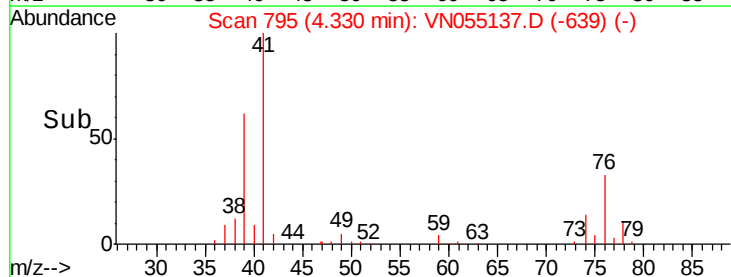
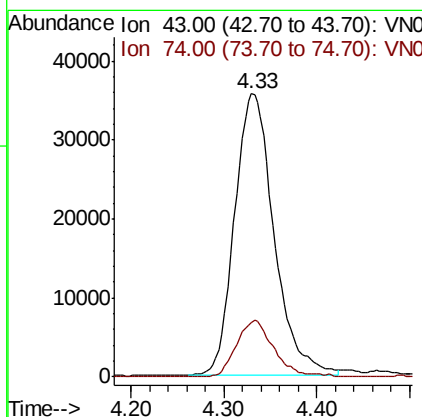
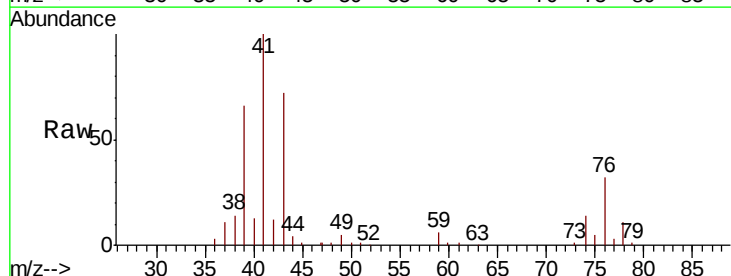
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

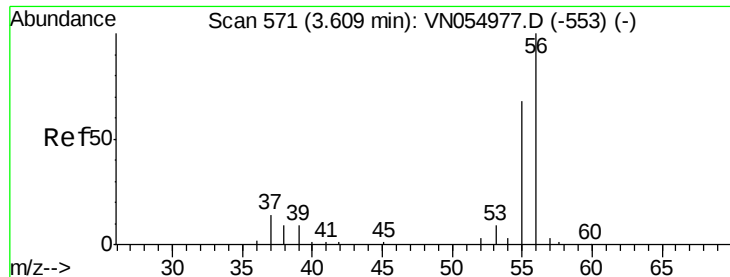
Tot Ion:142 Resp: 112788
Ion Ratio Lower Upper
142 100
127 45.1 23.8 71.5
141 14.7 7.3 22.0



#12
Methyl Acetate
Concen: 27.502 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 43 Resp: 105057
Ion Ratio Lower Upper
43 100
74 19.4 16.2 24.4





#13

Acrolein

Concen: 105.730 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

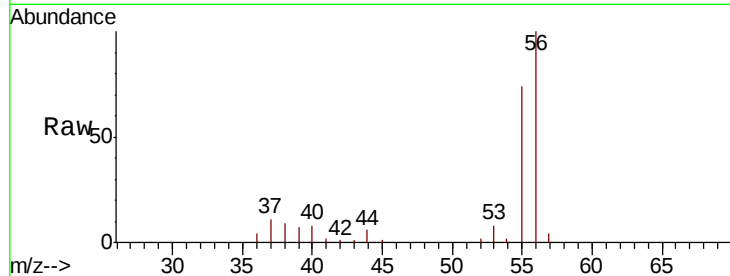
VN0419WBS01

Tot Ion: 56 Resp: 35397

Ion Ratio Lower Upper

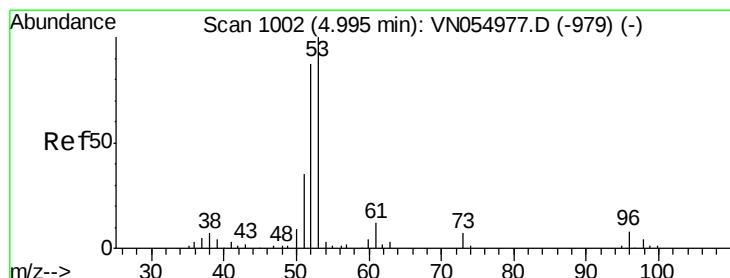
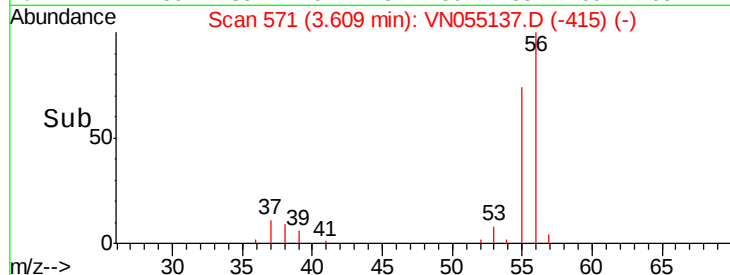
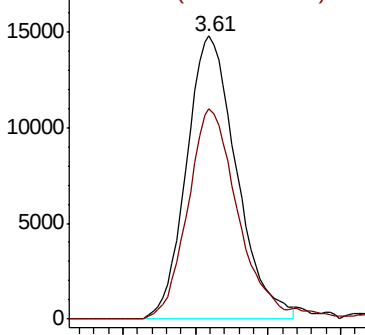
56 100

55 73.6 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: 124.609 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

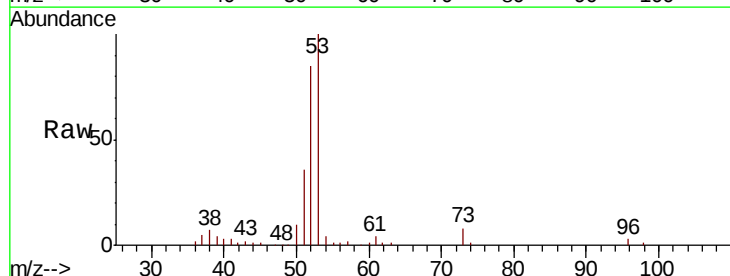
Tgt Ion: 53 Resp: 195014

Ion Ratio Lower Upper

53 100

52 82.8 42.3 126.8

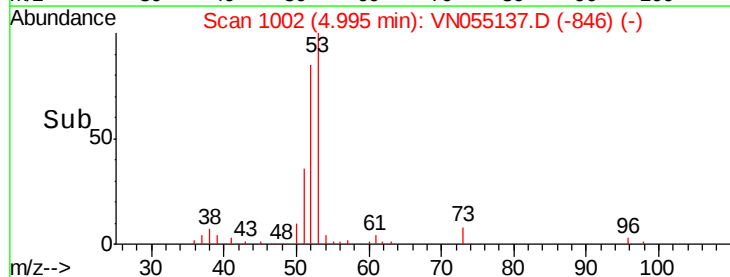
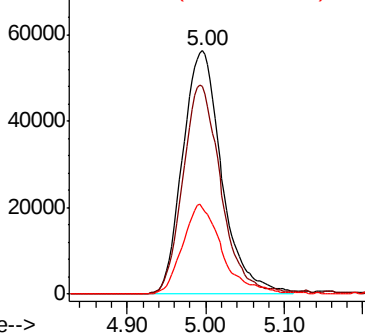
51 37.2 18.6 56.0

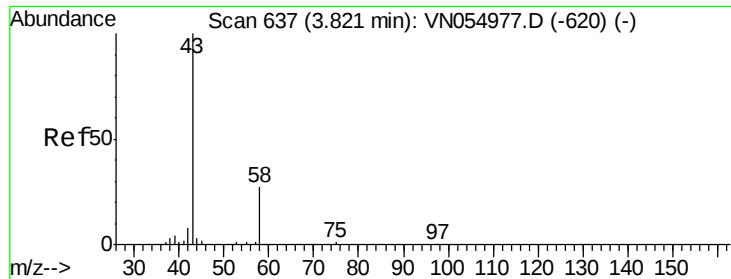


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 123.189 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

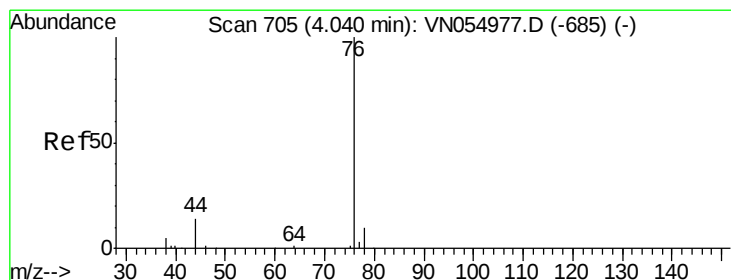
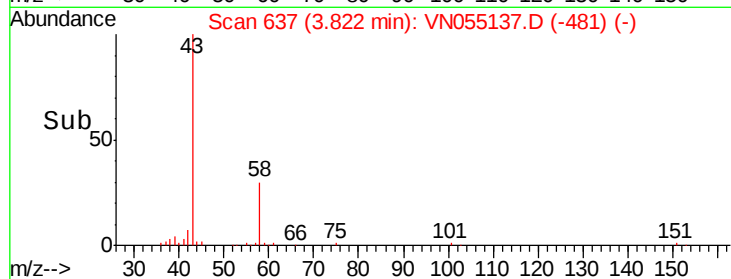
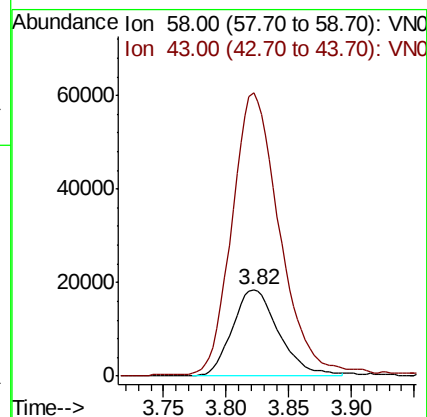
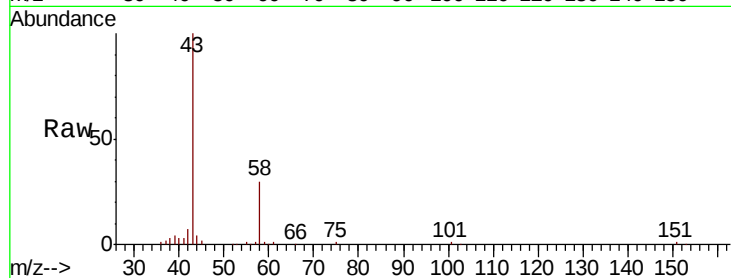
VN0419WBS01

Tot Ion: 58 Resp: 47707

Ion Ratio Lower Upper

58 100

43 325.2 297.2 445.8



#16

Carbon Disulfide

Concen: 18.641 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN055137.D

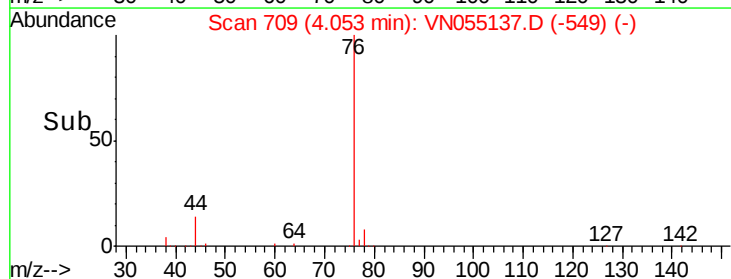
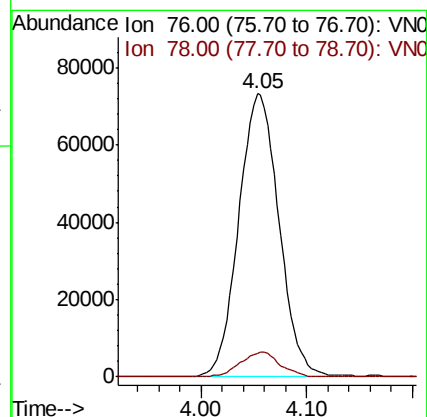
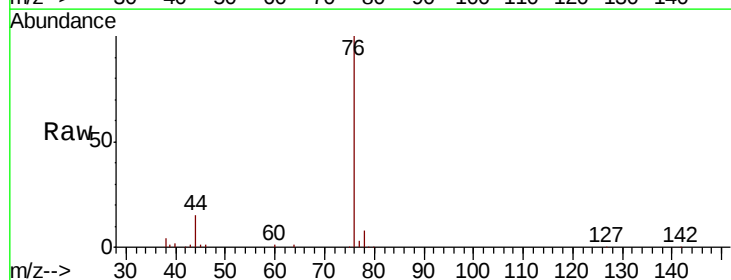
Acq: 19 Apr 2019 13:06

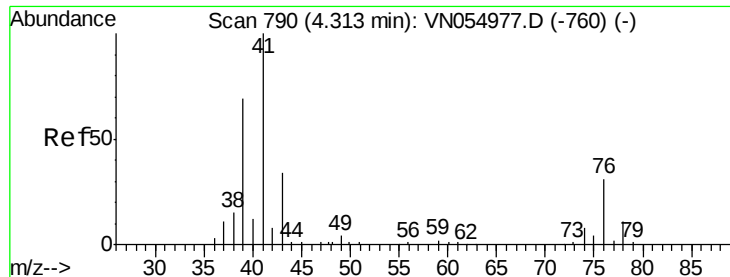
Tgt Ion: 76 Resp: 194187

Ion Ratio Lower Upper

76 100

78 8.5 7.8 11.6

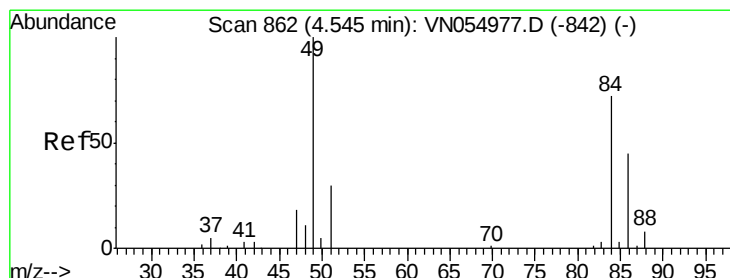
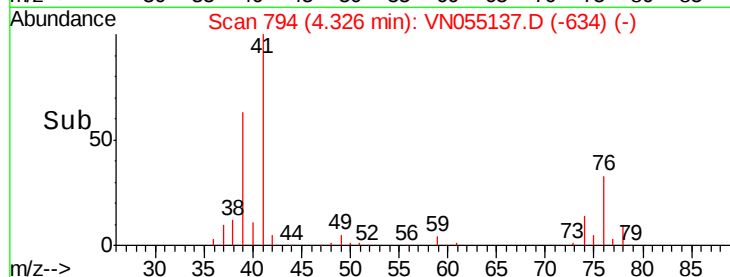
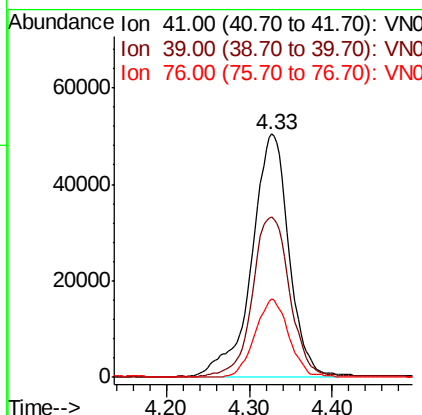
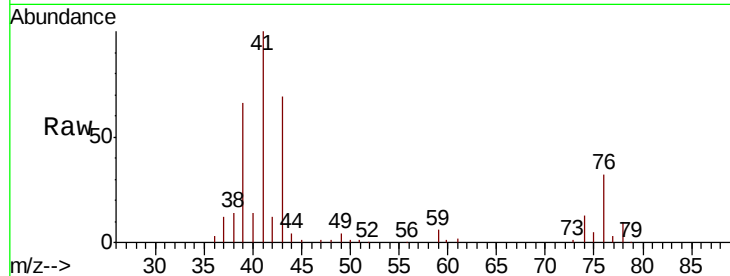




#17
Allvl chloride
Concen: 20.514 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

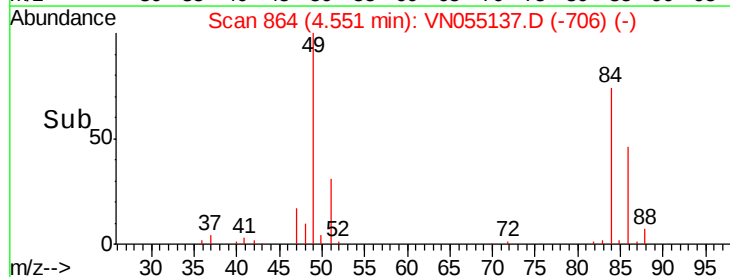
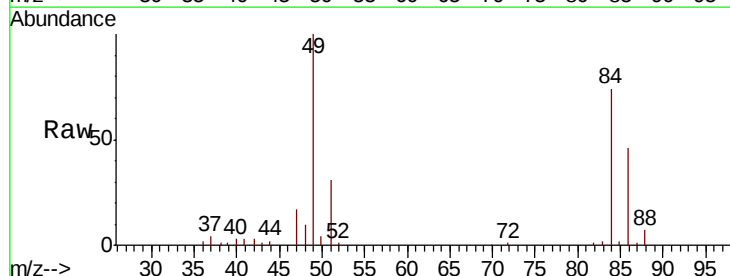
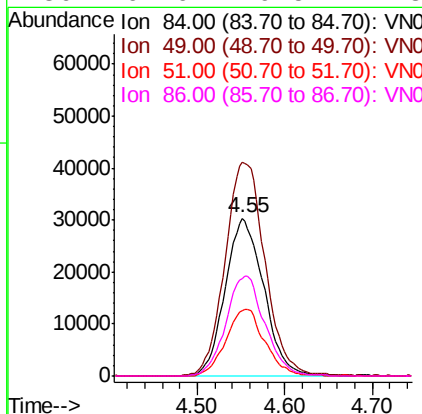
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

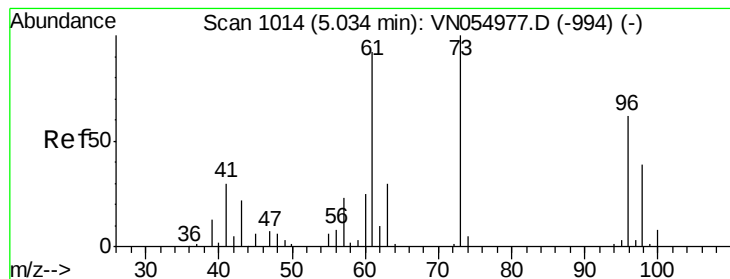
Tot Ion: 41 Resp: 156892
Ion Ratio Lower Upper
41 100
39 65.4 34.3 102.9
76 32.3 15.8 47.3



#18
Methylene Chloride
Concen: 20.233 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 84 Resp: 92882
Ion Ratio Lower Upper
84 100
49 134.3 111.0 166.4
51 41.3 33.4 50.2
86 61.6 49.5 74.3





#19

trans-1,2-Dichloroethene

Concen: 19.733 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS01

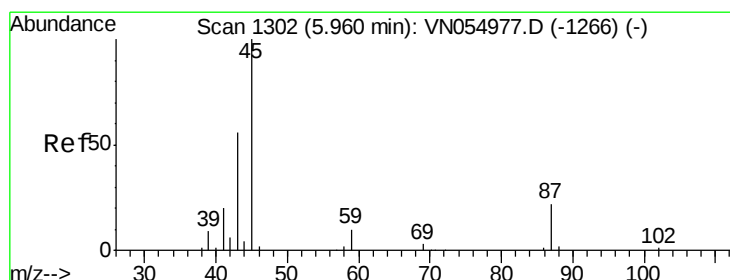
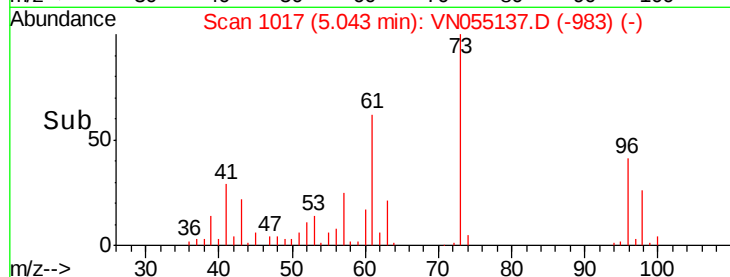
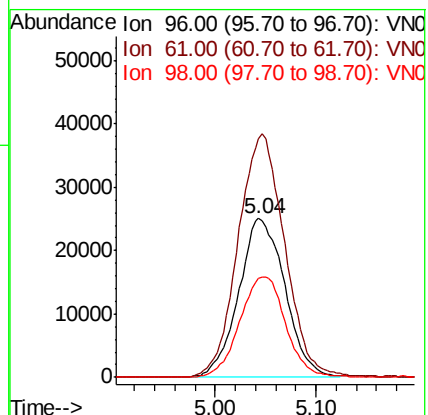
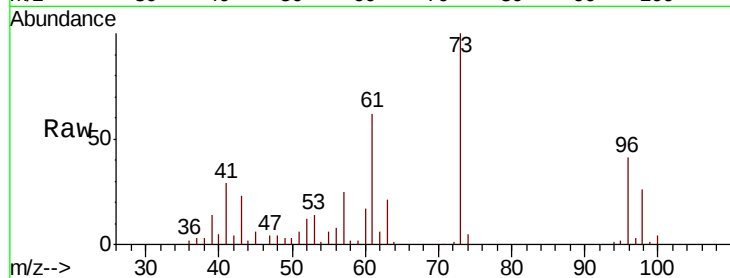
Tot Ion: 96 Resp: 79777

Ion Ratio Lower Upper

96 100

61 149.7 117.2 175.8

98 62.4 49.4 74.2



#20

Diisopropyl ether

Concen: 21.123 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Tgt Ion: 45 Resp: 327267

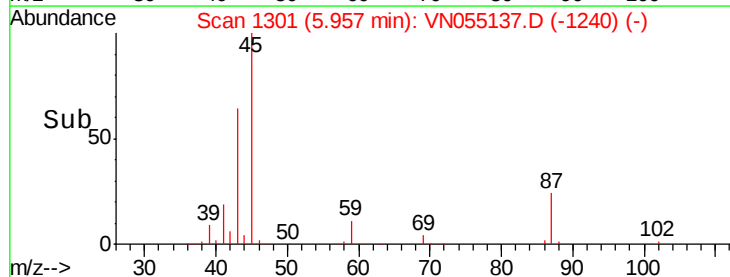
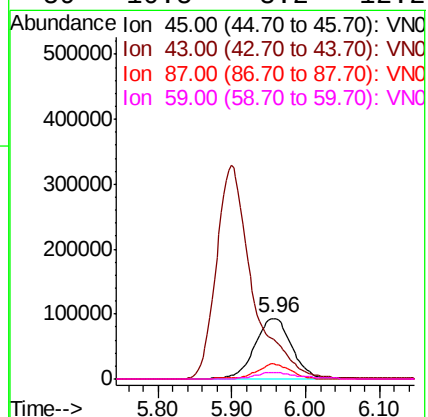
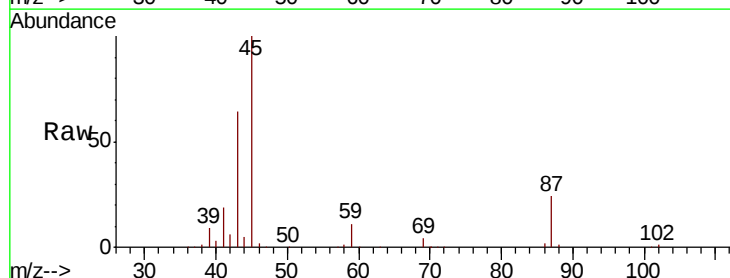
Ion Ratio Lower Upper

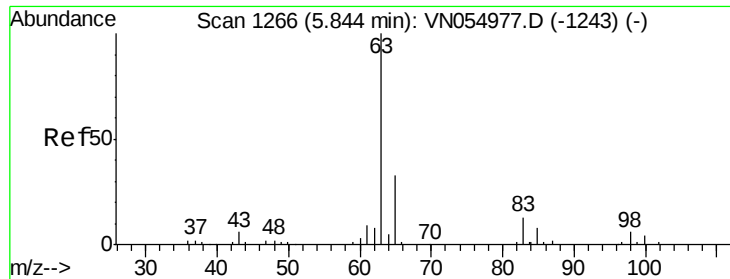
45 100

43 62.0 45.8 68.8

87 24.1 18.2 27.4

59 10.5 8.2 12.2

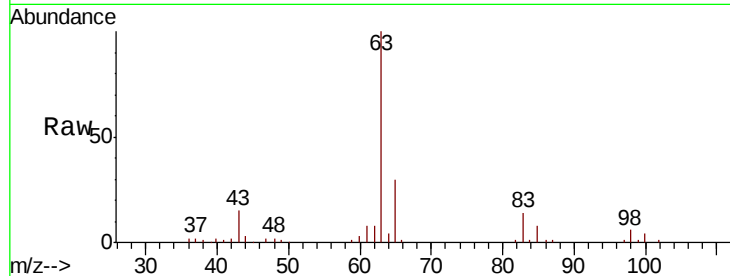




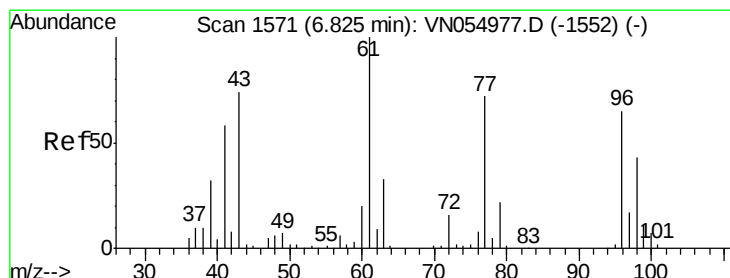
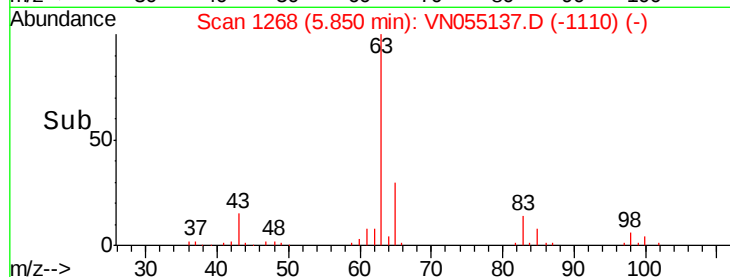
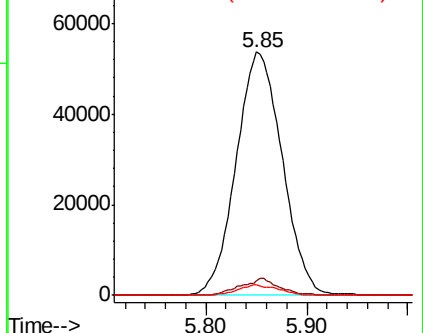
#21
 1,1-Dichloroethane
 Concen: 20.531 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS01

Tot Ion: 63 Resp: 169906
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 4.2 2.0 5.8

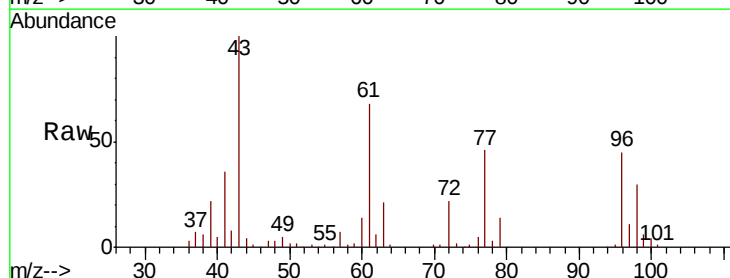


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

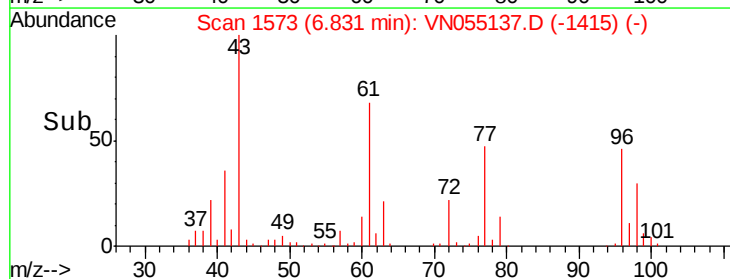
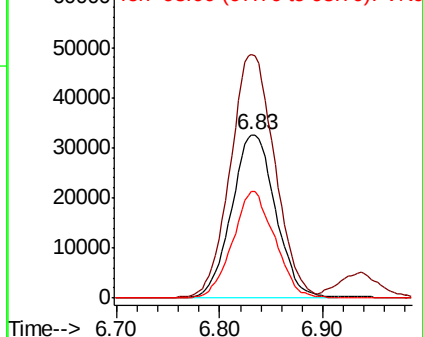


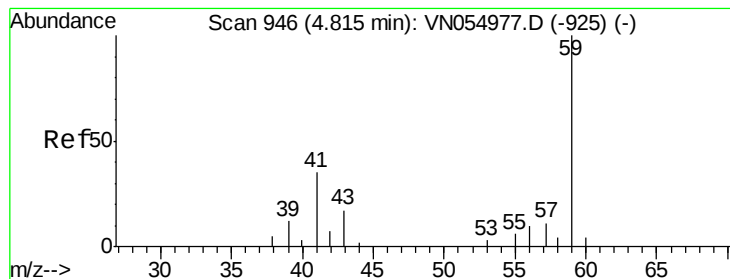
#22
 cis-1,2-Dichloroethene
 Concen: 20.600 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 96 Resp: 96801
 Ion Ratio Lower Upper
 96 100
 61 150.7 125.0 187.6
 98 62.5 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



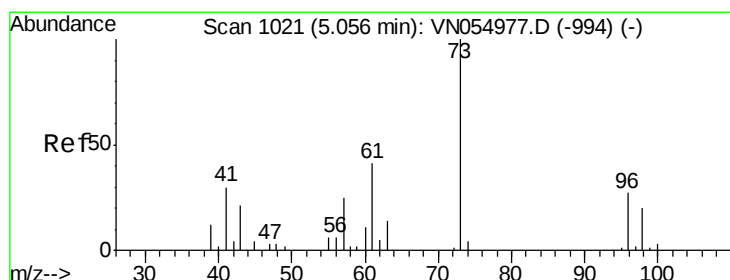
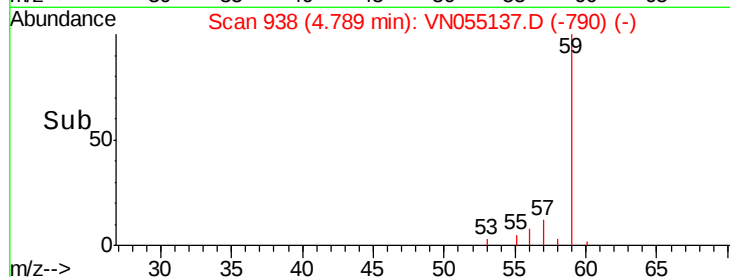
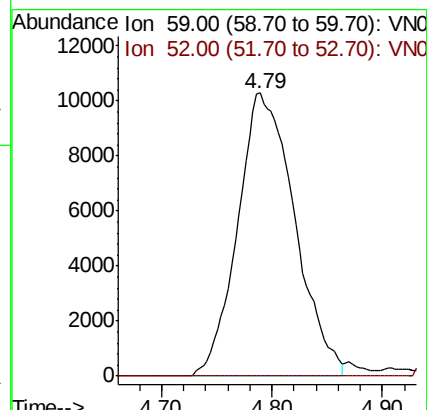
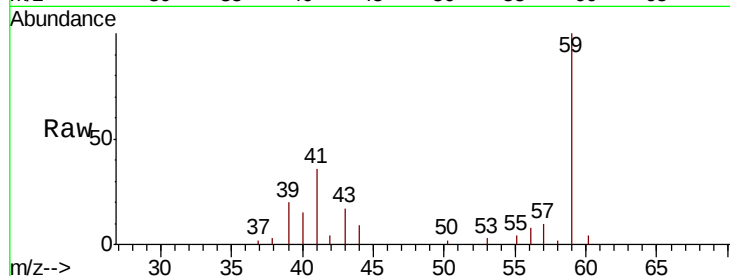


#23

tert-Butyl Alcohol
 Concen: 147.718 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.03 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

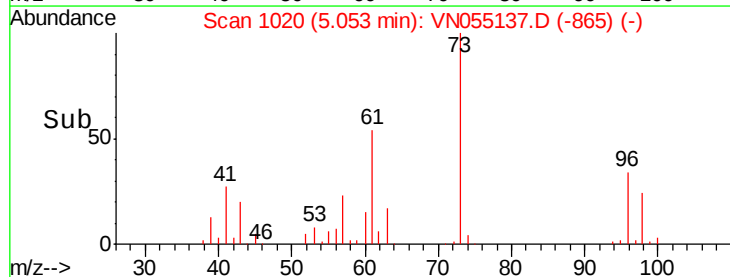
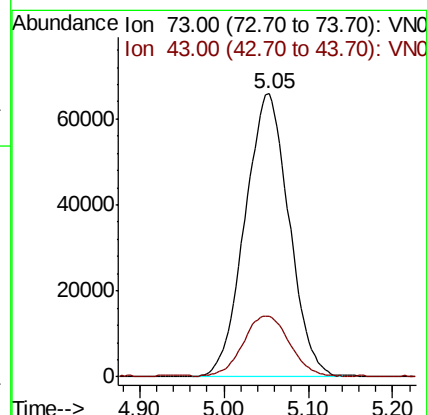
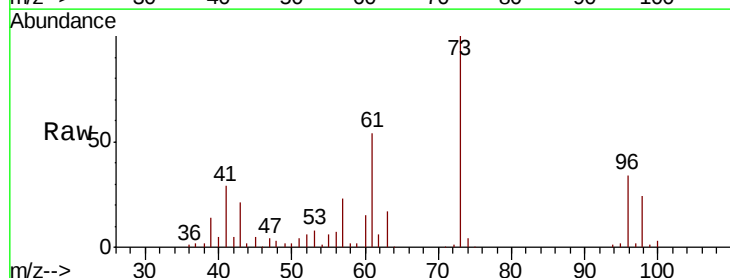
Tot Ion: 59 Resp: 36862
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

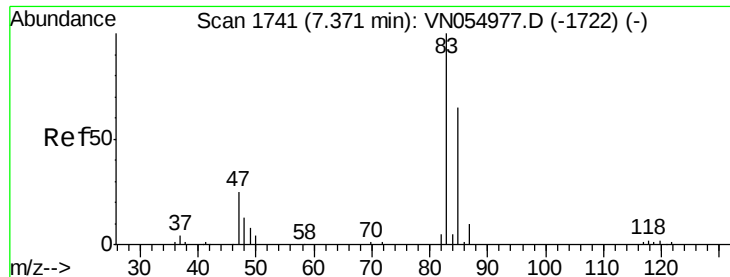


#24

Methyl tert-Butyl Ether
 Concen: 22.930 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 73 Resp: 239119
 Ion Ratio Lower Upper
 73 100
 43 22.0 8.0 12.0#

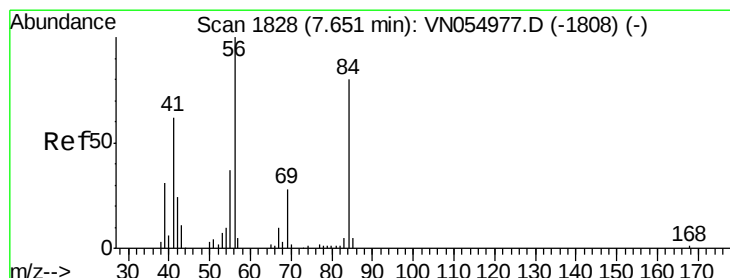
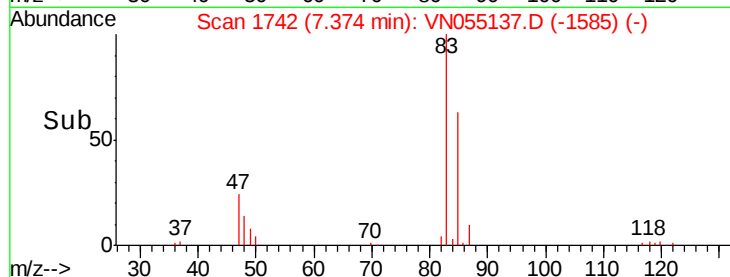
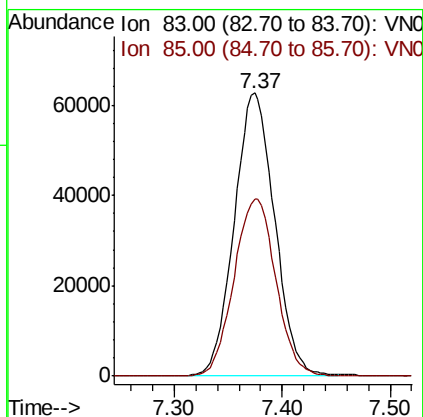
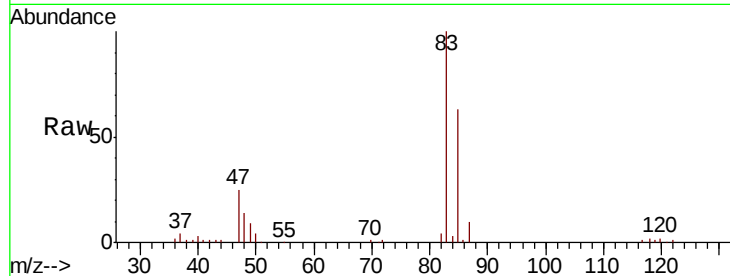




#25
Chloroform
Concen: 20.589 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

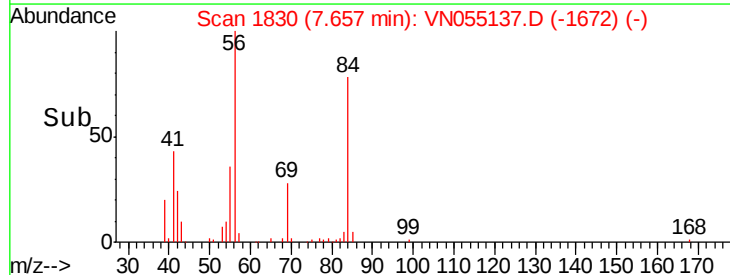
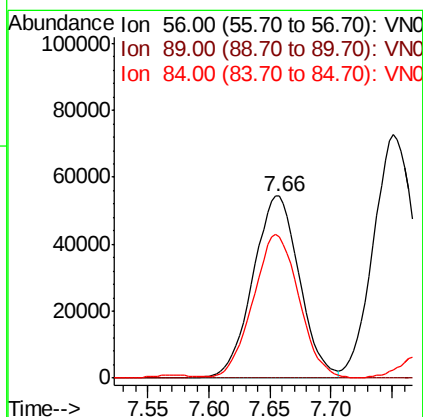
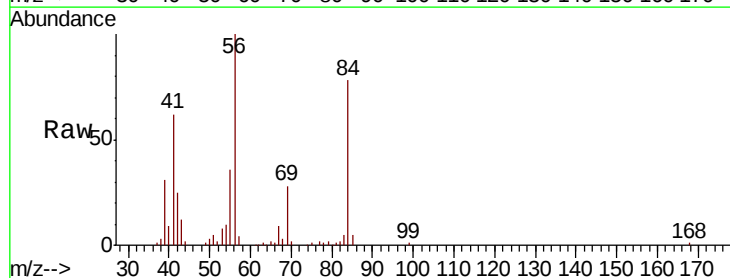
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

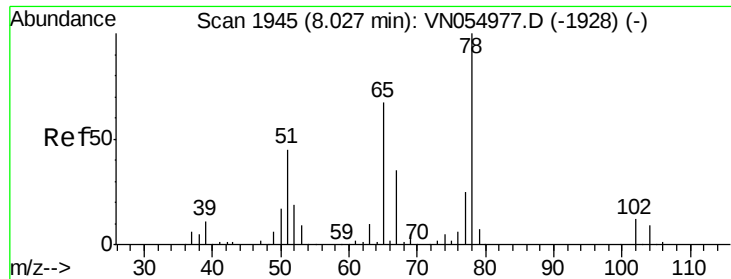
Tot Ion: 83 Resp: 163202
Ion Ratio Lower Upper
83 100
85 62.8 51.8 77.8



#26
Cyclohexane
Concen: 18.736 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 56 Resp: 143863
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.1 63.5 95.3





#27

1,2-Dichloroethane-d4

Concen: 18.736 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

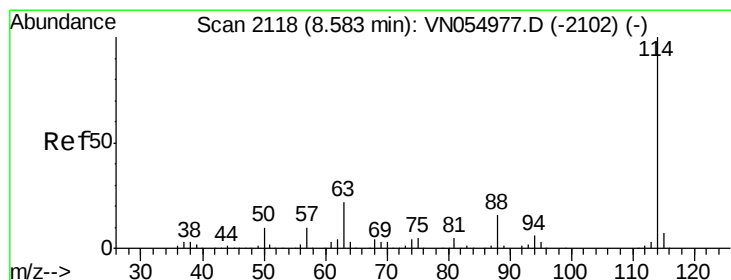
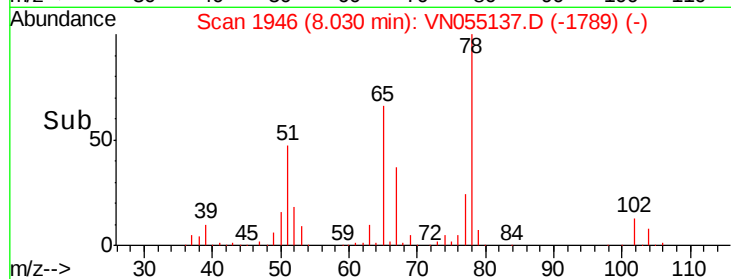
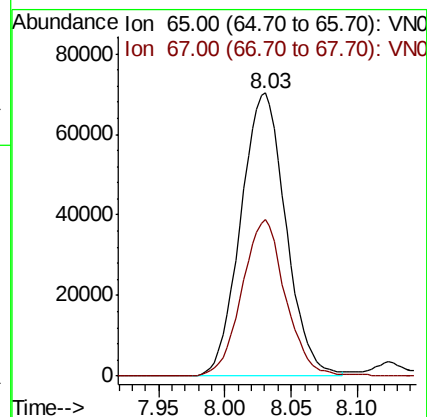
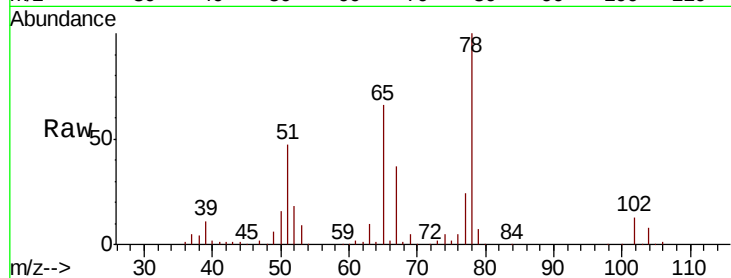
VN0419WBS01

Tot Ion: 65 Resp: 165705

Ion Ratio Lower Upper

65 100

67 53.1 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: VN055137.D

Acq: 19 Apr 2019 13:06

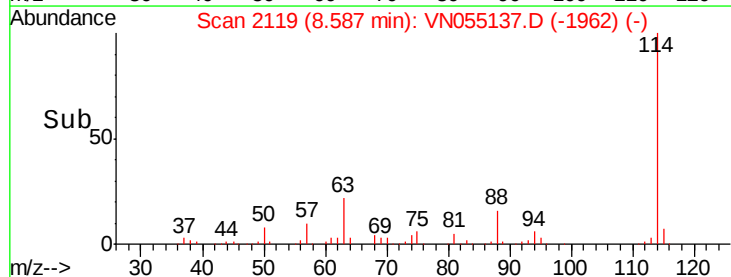
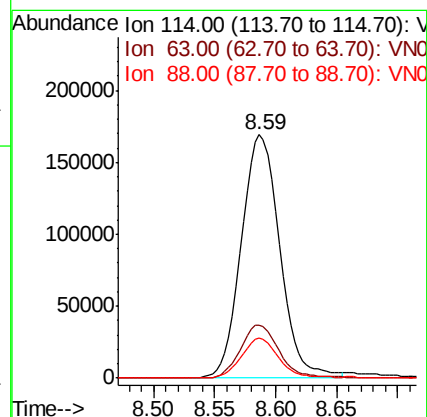
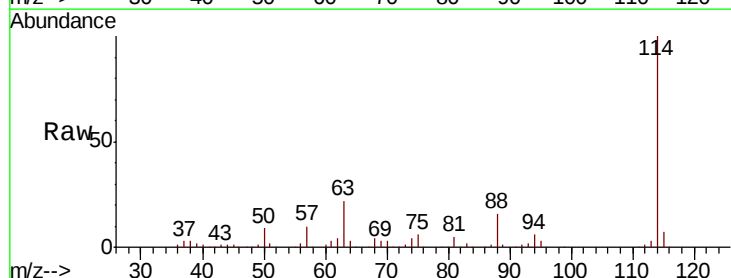
Tgt Ion: 114 Resp: 369959

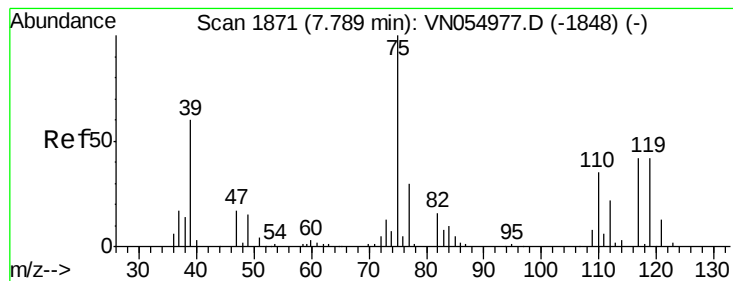
Ion Ratio Lower Upper

114 100

63 21.9 17.0 25.4

88 15.8 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.247 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

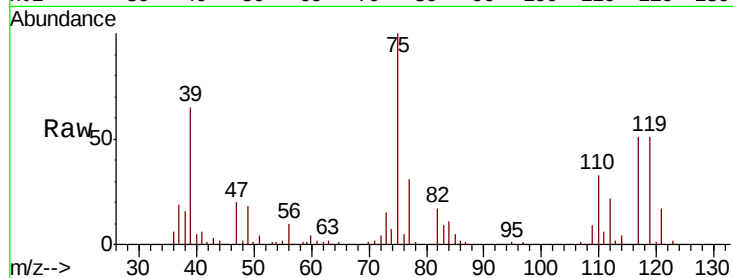
Tot Ion: 75 Resp: 116657

Ion Ratio Lower Upper

75 100

110 33.4 0.0 68.4

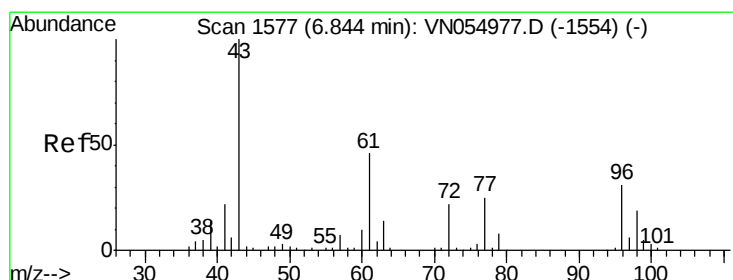
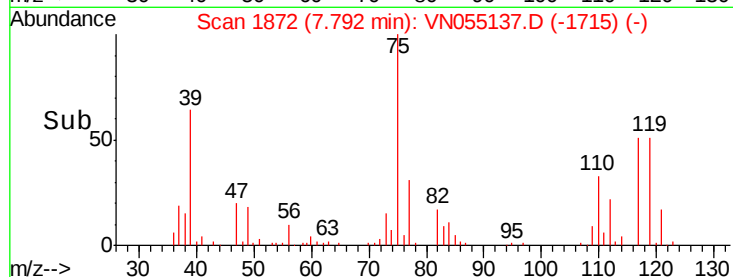
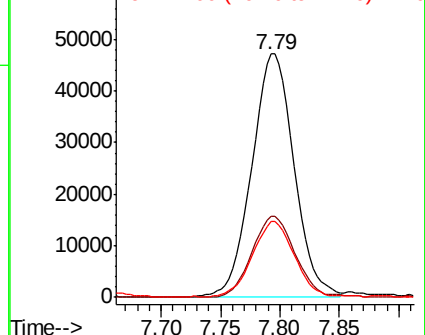
77 31.0 0.0 58.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 110.00 (109.70 to 110.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 127.329 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

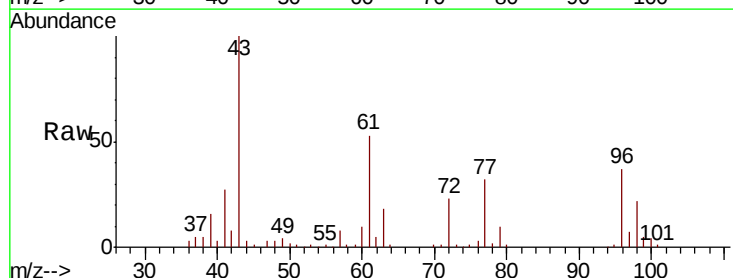
Tgt Ion: 43 Resp: 243522

Ion Ratio Lower Upper

43 100

57 7.6 6.0 9.0

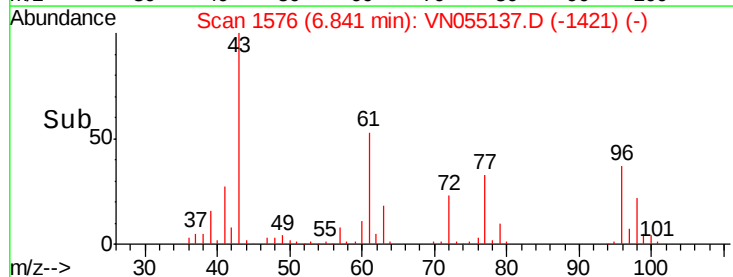
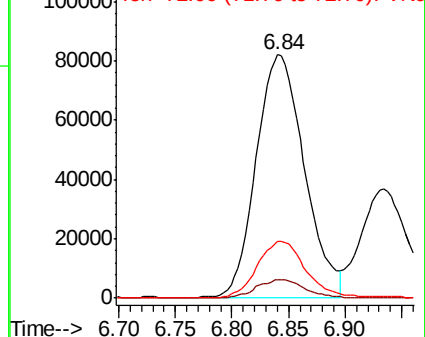
72 23.4 18.6 27.8

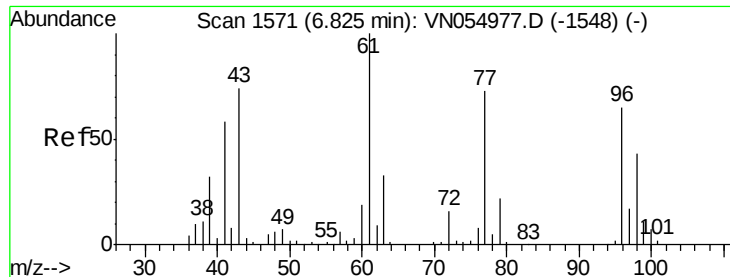


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

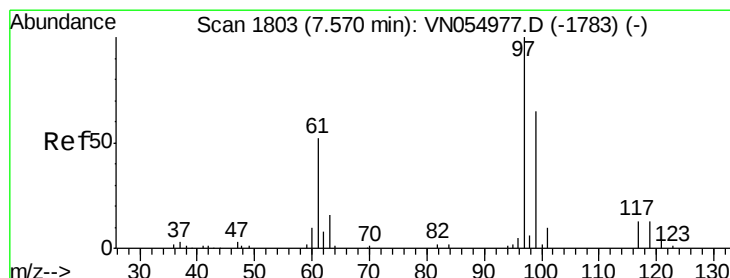
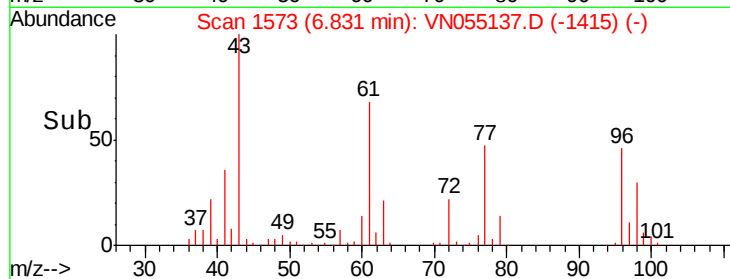
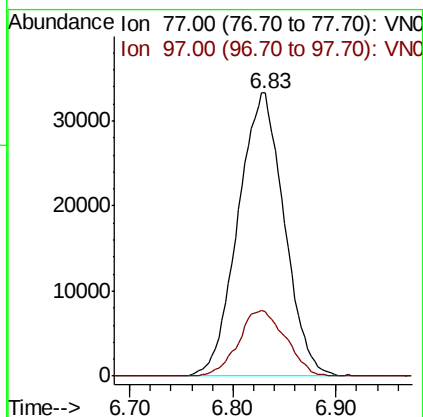
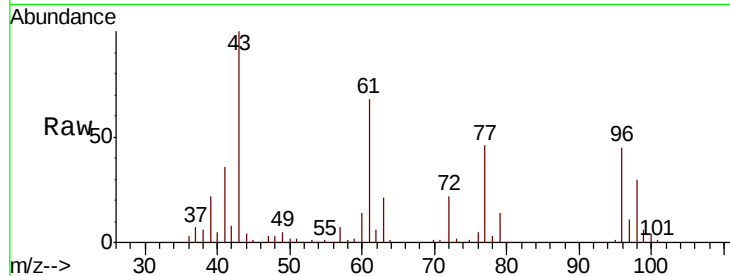




#31
 2,2-Dichloropropane
 Concen: 19.497 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

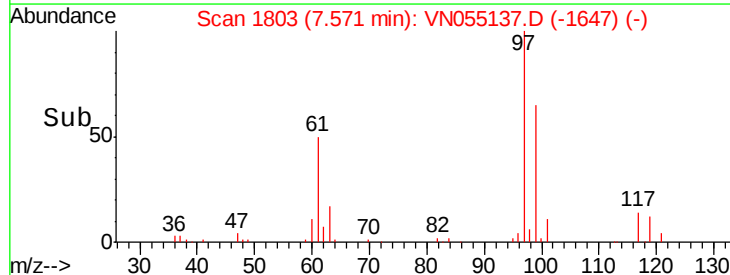
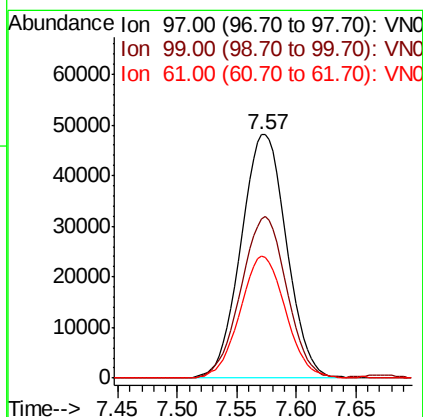
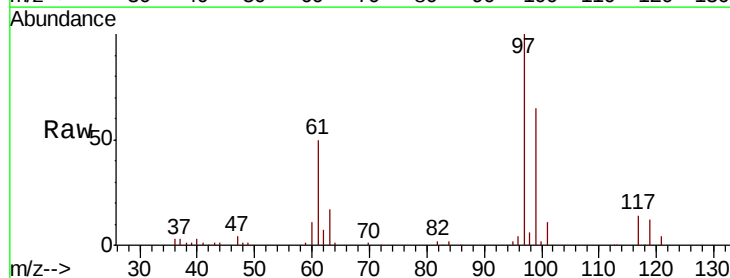
Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS01

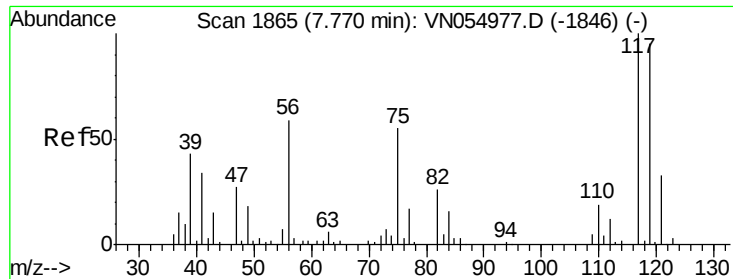
Tot Ion: 77 Resp: 103390
 Ion Ratio Lower Upper
 77 100
 97 23.6 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 21.018 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 97 Resp: 127998
 Ion Ratio Lower Upper
 97 100
 99 66.6 51.2 76.8
 61 49.9 40.6 60.8

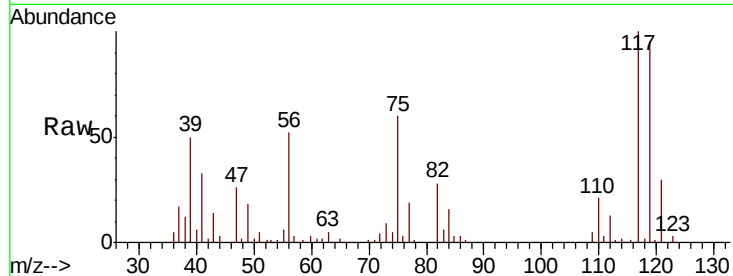




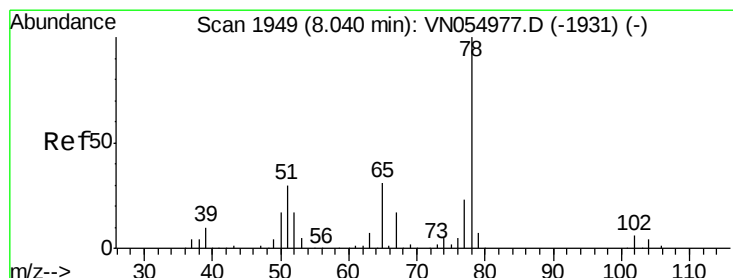
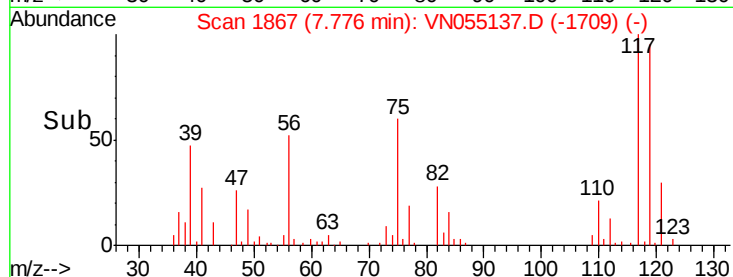
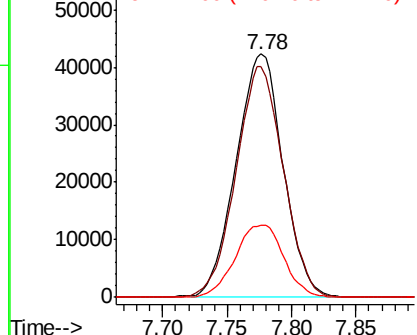
#33
Carbon Tetrachloride
Concen: 20.383 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion:117 Resp: 107473
Ion Ratio Lower Upper
117 100
119 94.8 76.1 114.1
121 29.6 26.2 39.4

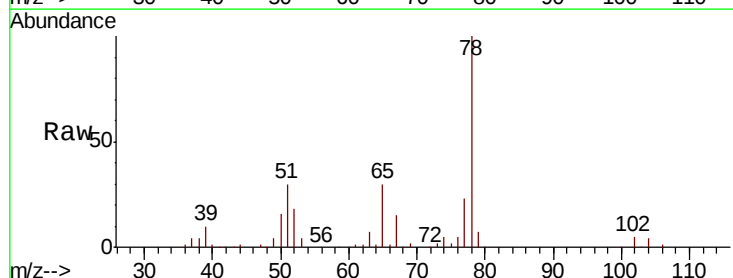


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

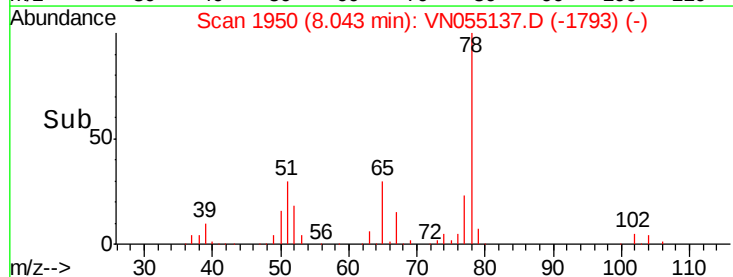
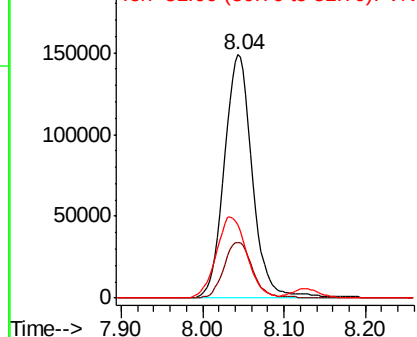


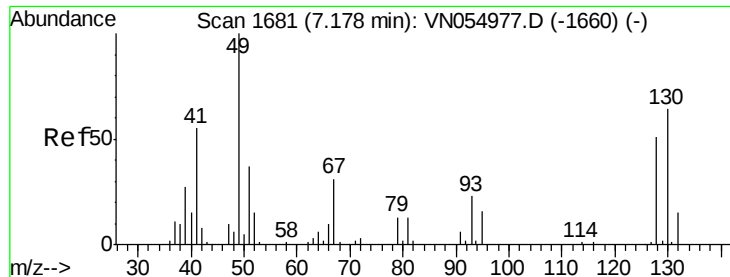
#34
Benzene
Concen: 21.252 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 78 Resp: 362856
Ion Ratio Lower Upper
78 100
77 22.9 18.2 27.4
51 30.0 23.7 35.5



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

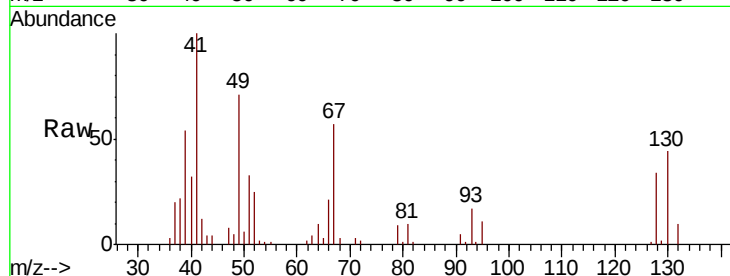




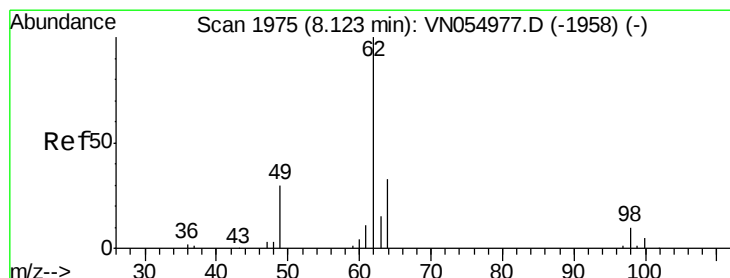
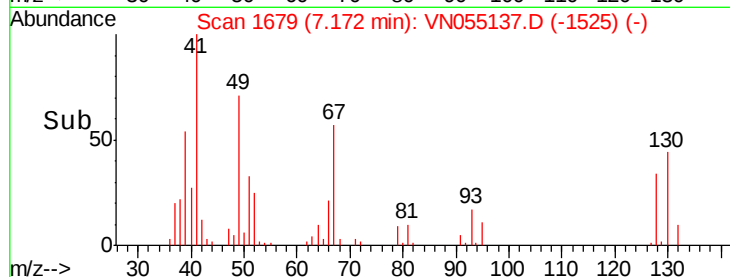
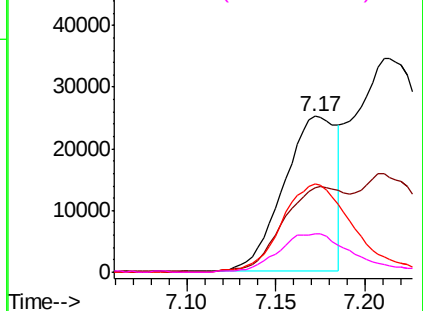
#35
Methacrylonitrile
Concen: 22.941 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

Tot Ion:	41	Resp:	51713
Ion	Ratio	Lower	Upper
41	100		
39	53.8	24.2	72.6
67	57.2	28.1	84.2
52	25.1	13.3	39.8

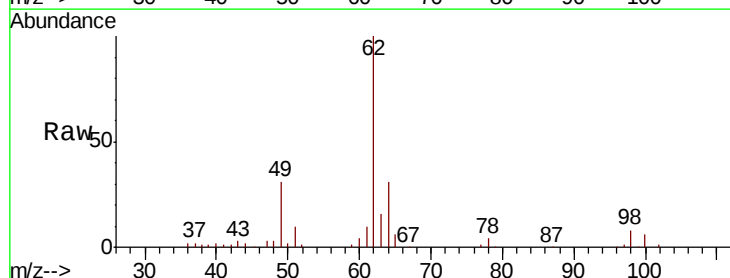


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

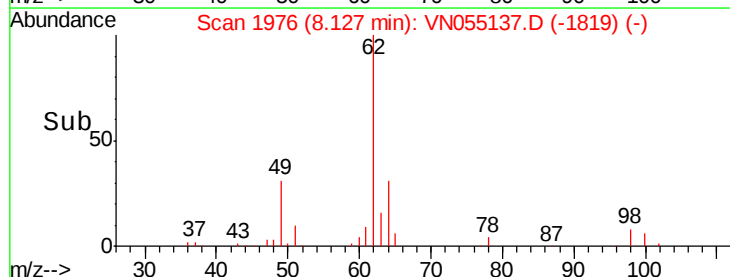
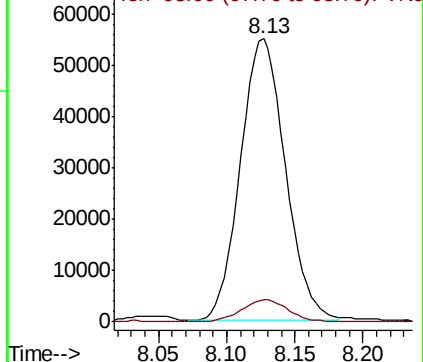


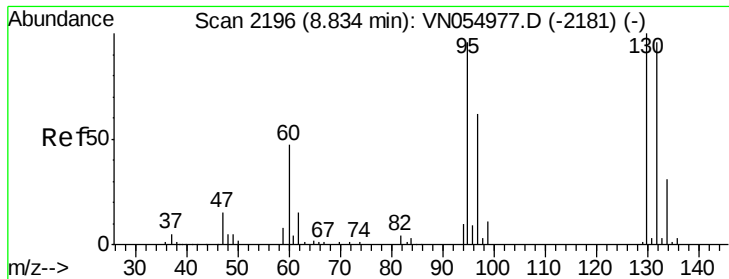
#36
1,2-Dichloroethane
Concen: 21.480 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion:	62	Resp:	125349
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.9	10.3



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

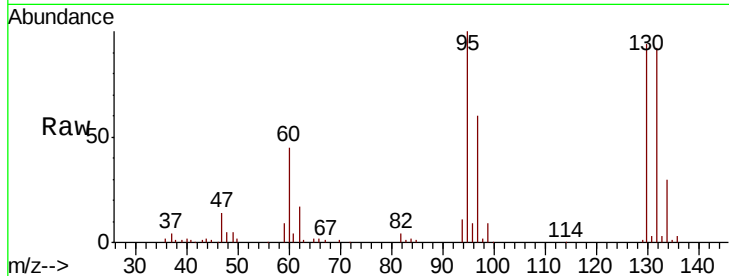




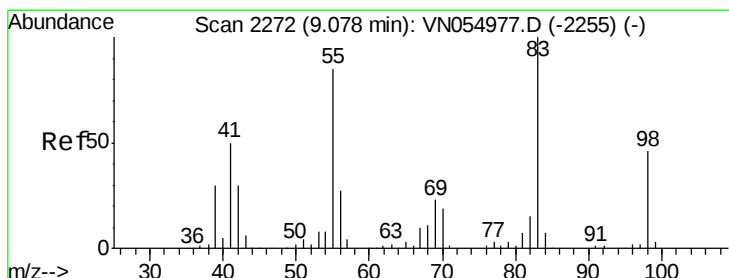
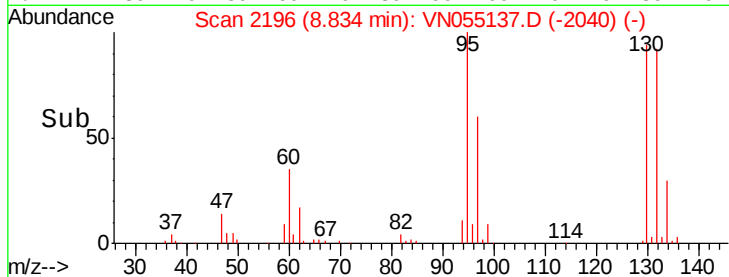
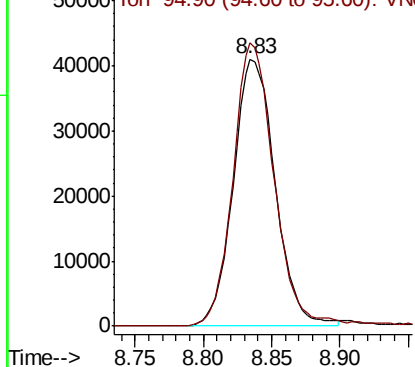
#37
 Trichloroethene
 Concen: 20.102 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS01

Tot Ion:130 Resp: 87497
 Ion Ratio Lower Upper
 130 100
 95 105.9 76.6 115.0

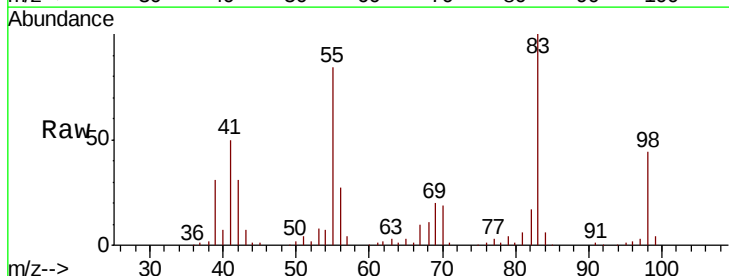


Abundance Ion 129.90 (129.60 to 130.60): VN054977.D (-2181) (-)
 Ion 94.90 (94.60 to 95.60): VN054977.D (-2181) (-)

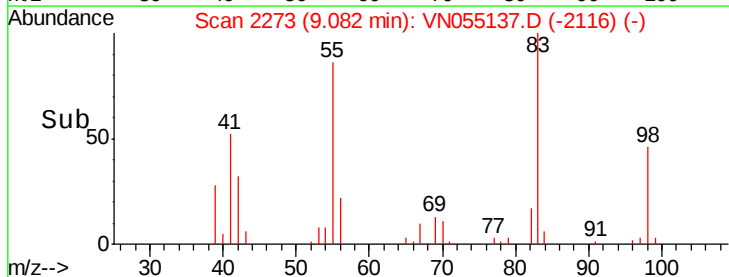
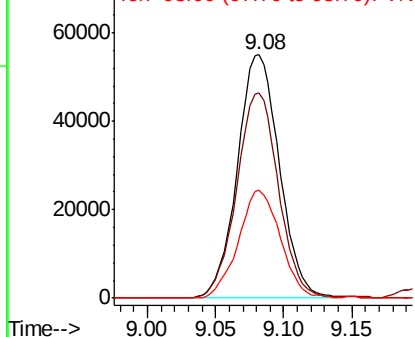


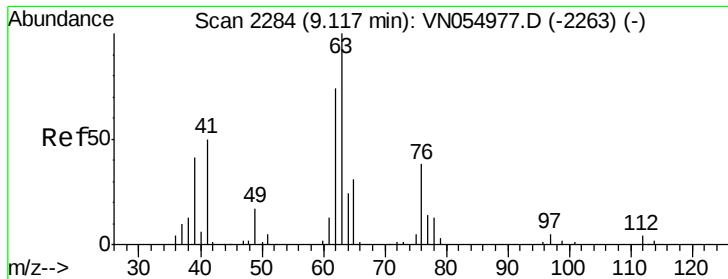
#38
 Methylcyclohexane
 Concen: 17.635 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 83 Resp: 117830
 Ion Ratio Lower Upper
 83 100
 55 83.5 41.9 125.6
 98 44.3 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-2255) (-)
 Ion 55.00 (54.70 to 55.70): VN054977.D (-2255) (-)
 Ion 98.00 (97.70 to 98.70): VN054977.D (-2255) (-)

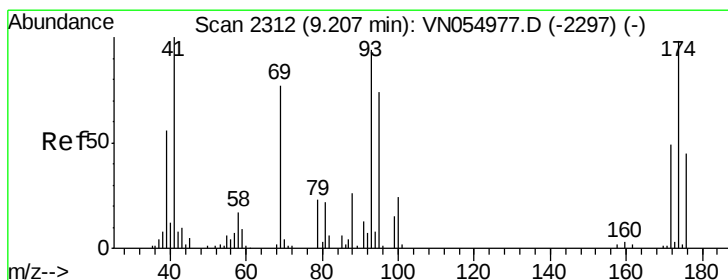
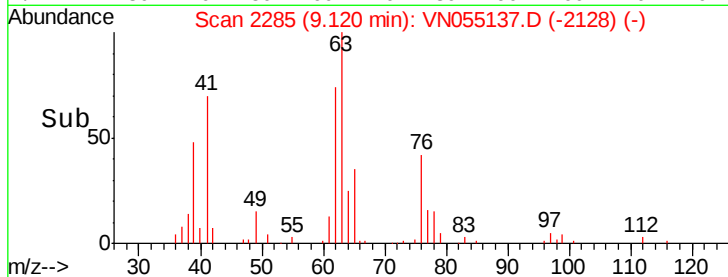
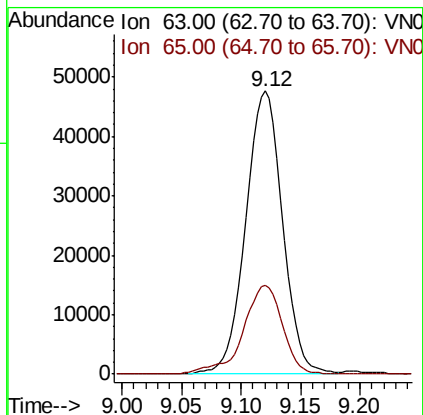
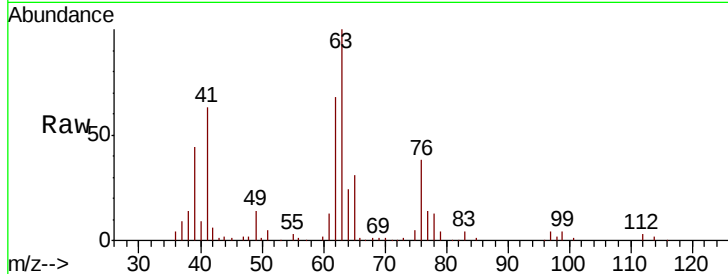




#39
 1,2-Dichloropropane
 Concen: 21.688 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

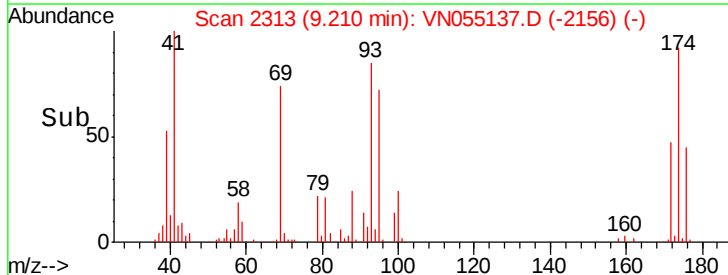
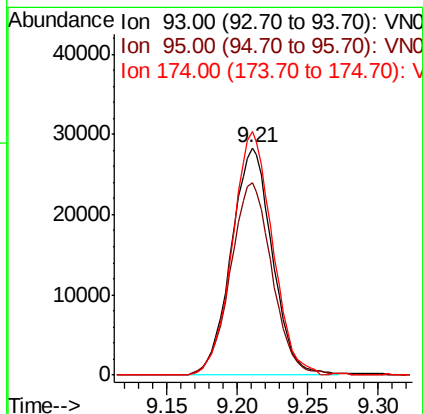
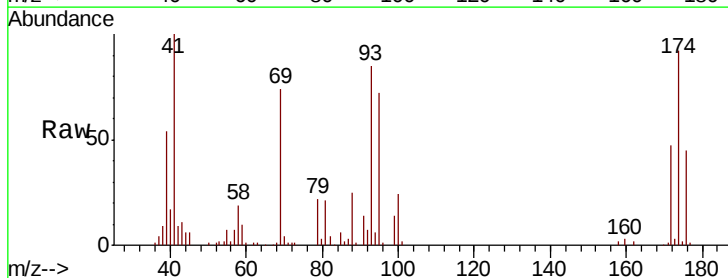
Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS01

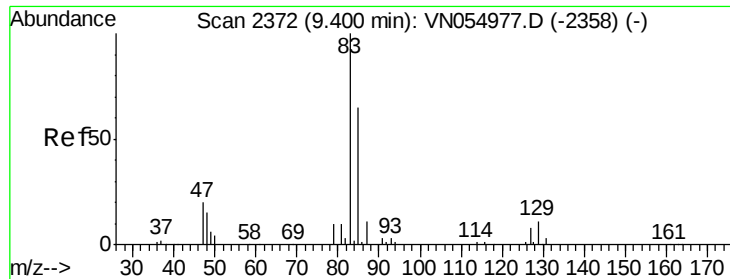
Tot Ion: 63 Resp: 102250
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2



#40
 Dibromomethane
 Concen: 21.578 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 93 Resp: 57502
 Ion Ratio Lower Upper
 93 100
 95 85.7 0.0 160.8
 174 104.6 0.0 206.4





#41

Bromodichloromethane

Concen: 21.142 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

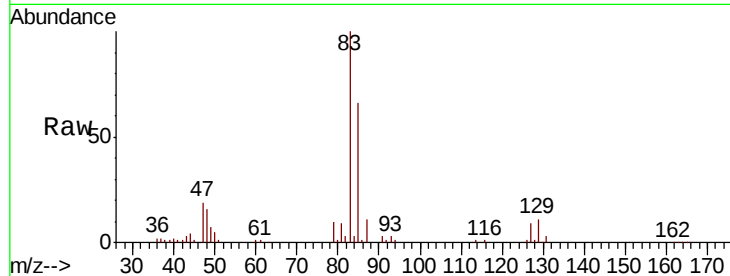
Tot Ion: 83 Resp: 116276

Ion Ratio Lower Upper

83 100

85 65.9 52.0 78.0

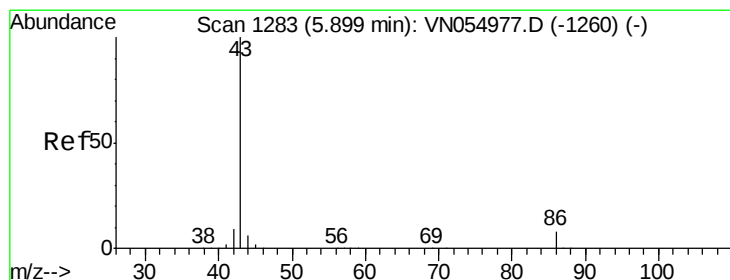
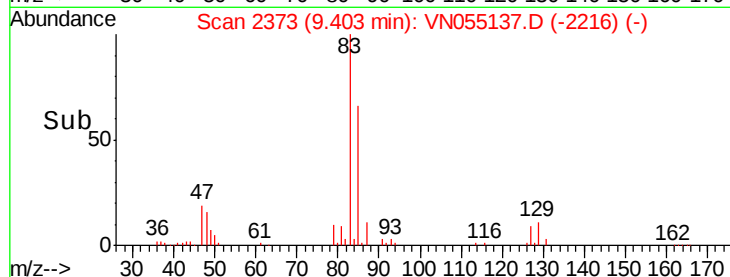
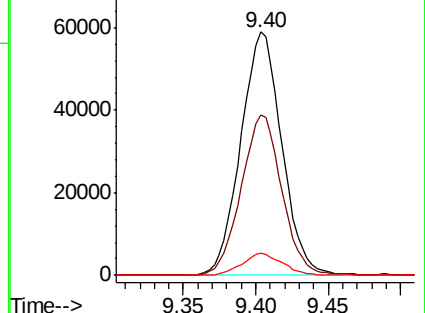
127 8.9 7.2 10.8



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): VN0



#42

Vinyl Acetate

Concen: 116.140 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055137.D

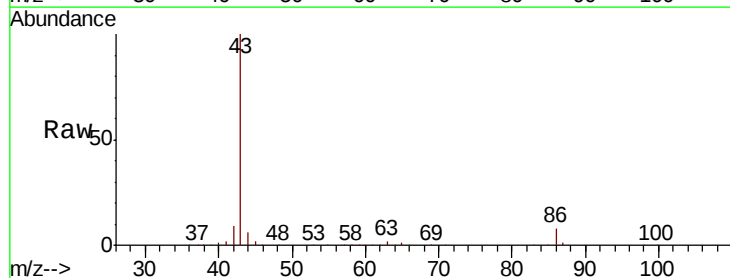
Acq: 19 Apr 2019 13:06

Tgt Ion: 43 Resp: 1122950

Ion Ratio Lower Upper

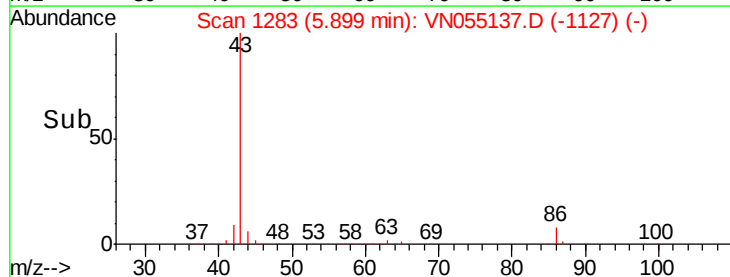
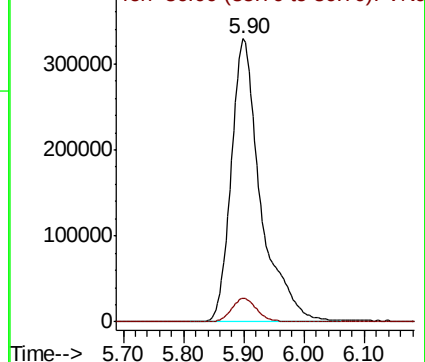
43 100

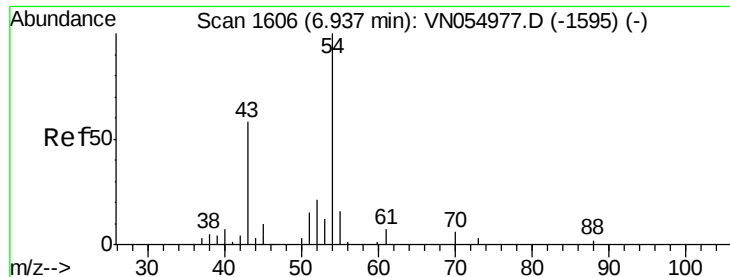
86 7.2 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 26.626 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

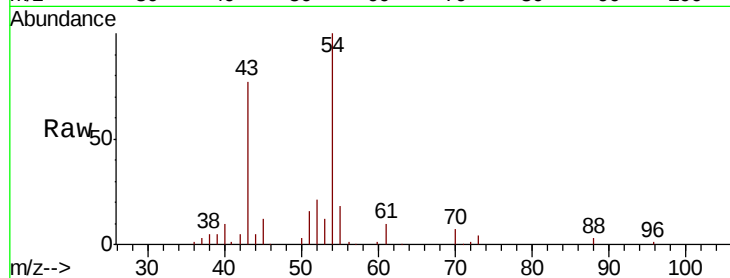
VN0419WBS01

Tot Ion: 43 Resp: 103744

Ion Ratio Lower Upper

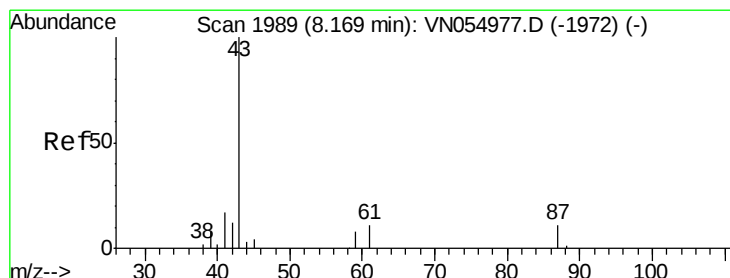
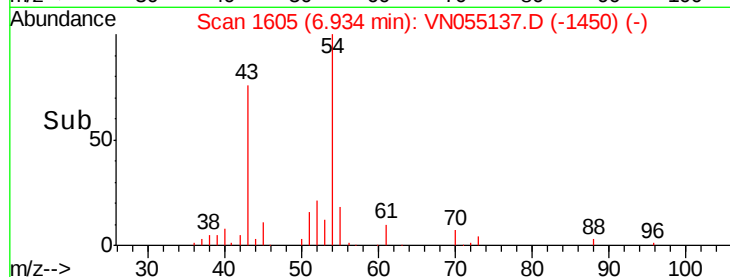
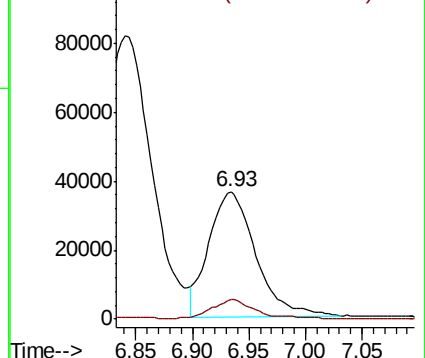
43 100

45 14.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 25.936 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055137.D

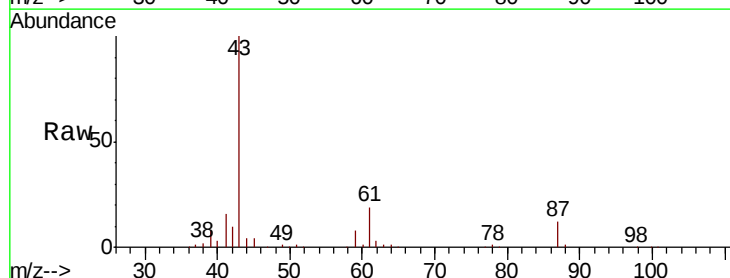
Acq: 19 Apr 2019 13:06

Tgt Ion: 43 Resp: 171257

Ion Ratio Lower Upper

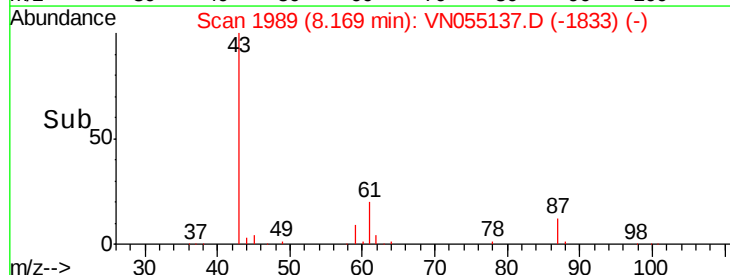
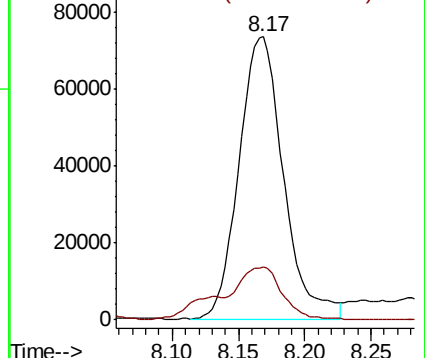
43 100

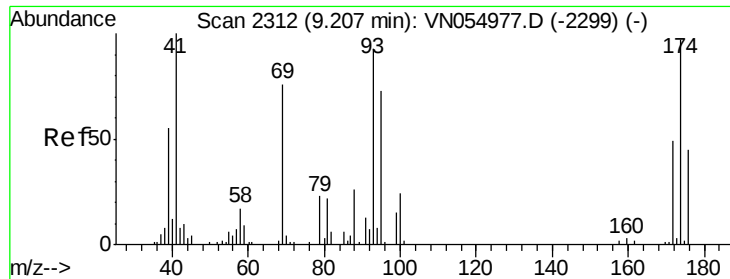
61 18.3 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

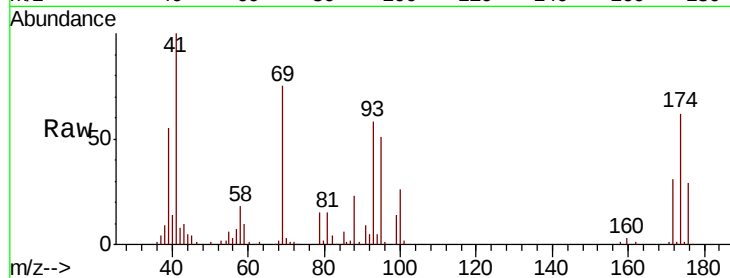




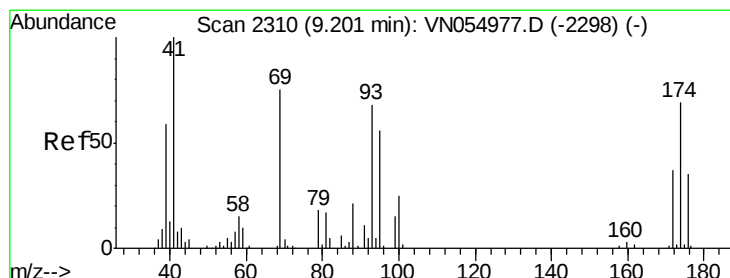
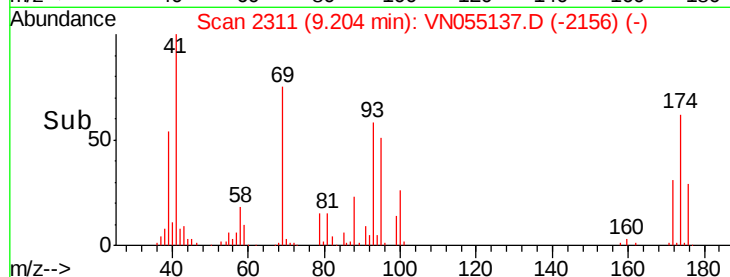
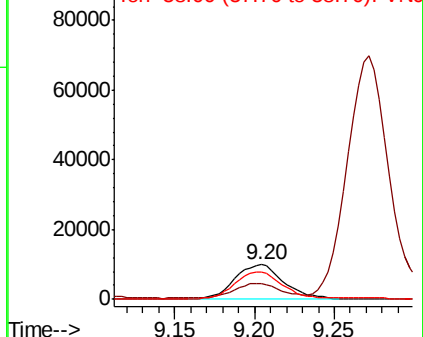
#45
 1,4-Dioxane
 Concen: 572.235 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

Tot Ion: 88 Resp: 20933
 Ion Ratio Lower Upper
 88 100
 43 40.1 34.5 51.7
 58 77.1 60.3 90.5

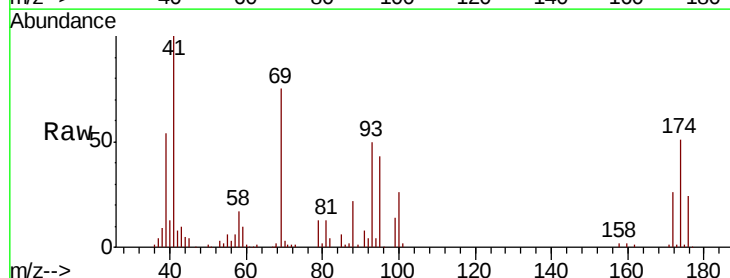


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

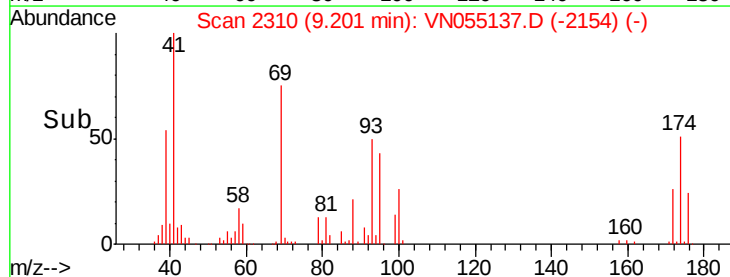
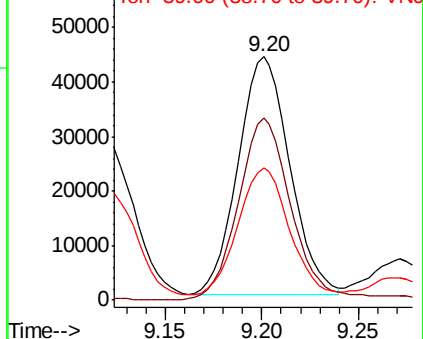


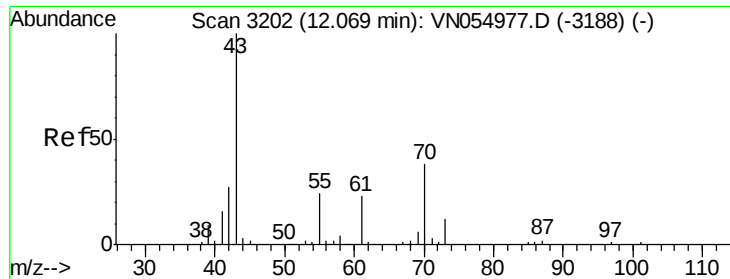
#46
 Methyl methacrylate
 Concen: 23.831 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 41 Resp: 81400
 Ion Ratio Lower Upper
 41 100
 69 76.1 37.3 111.9
 39 53.1 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

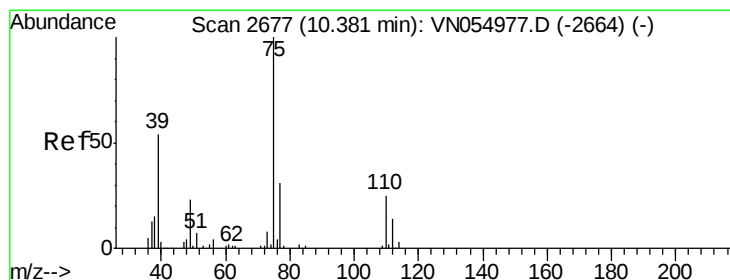
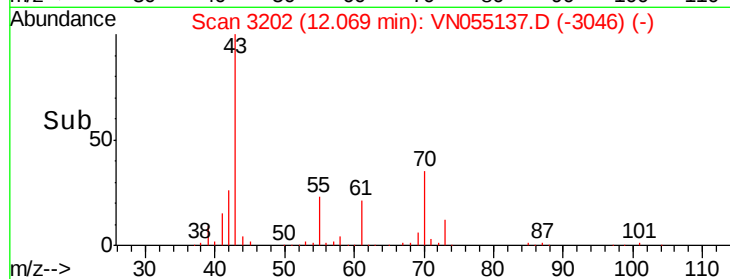
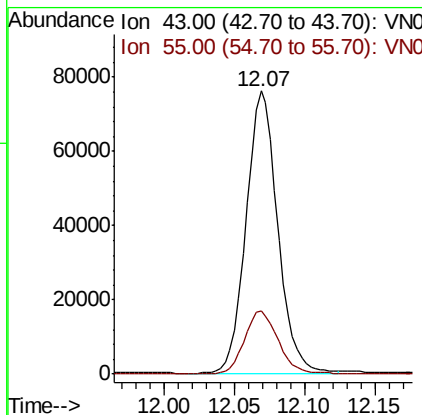
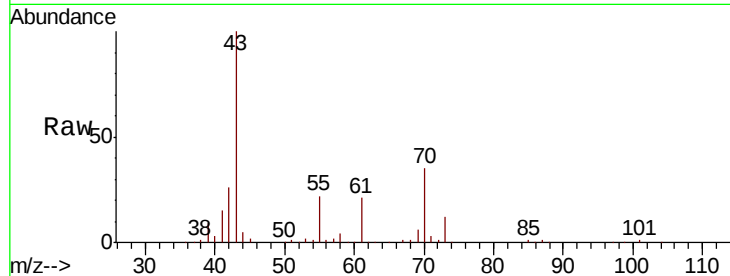




#47
n-amyl Acetate
Concen: 24.528 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

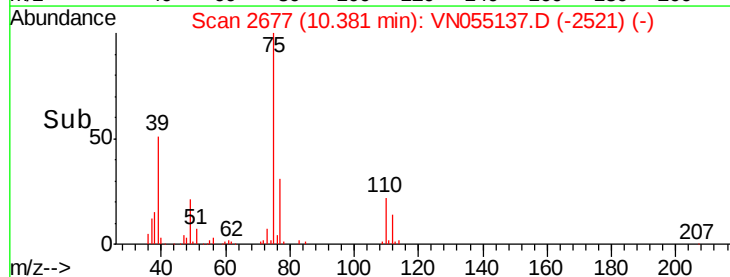
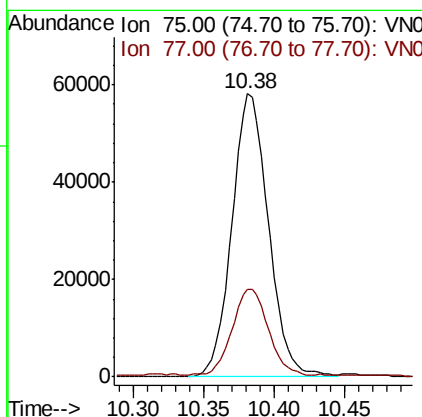
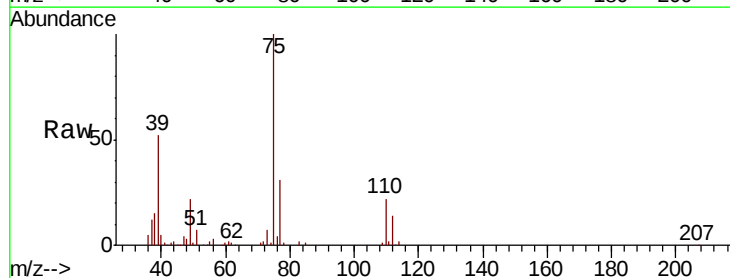
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

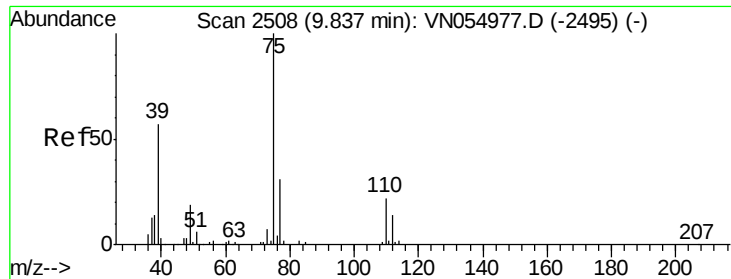
Tot Ion: 43 Resp: 119289
Ion Ratio Lower Upper
43 100
55 23.7 19.8 29.6



#48
t-1,3-Dichloropropene
Concen: 20.946 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 75 Resp: 105785
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0



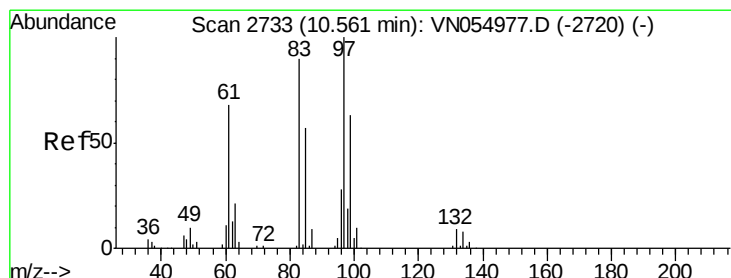
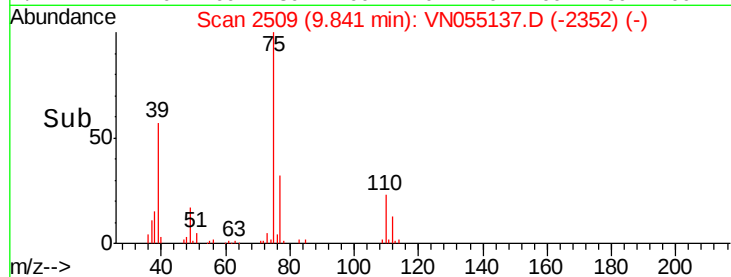
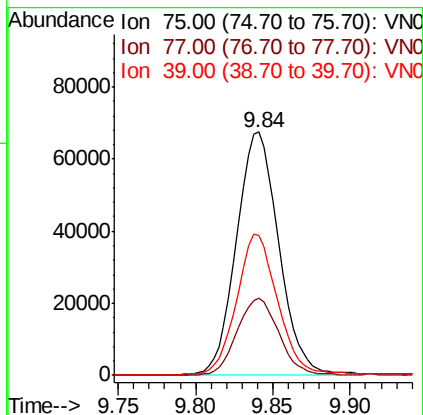
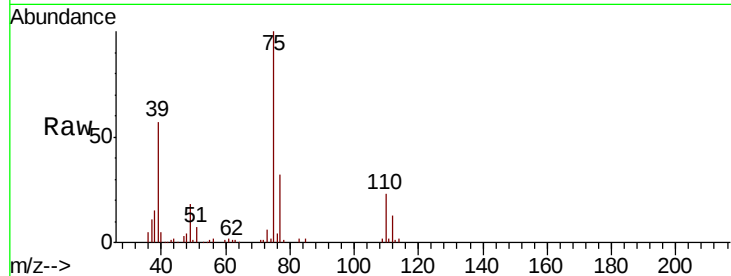


#49

cis-1,3-Dichloropropene
 Concen: 20.644 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

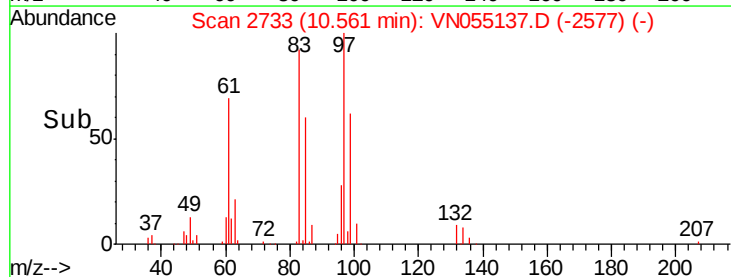
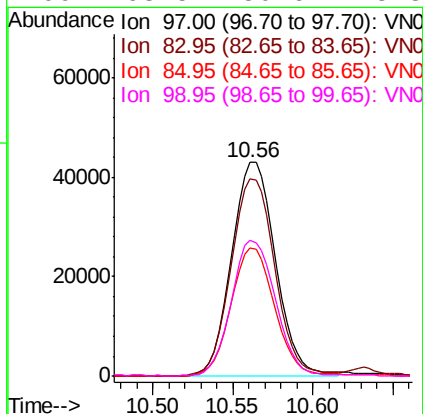
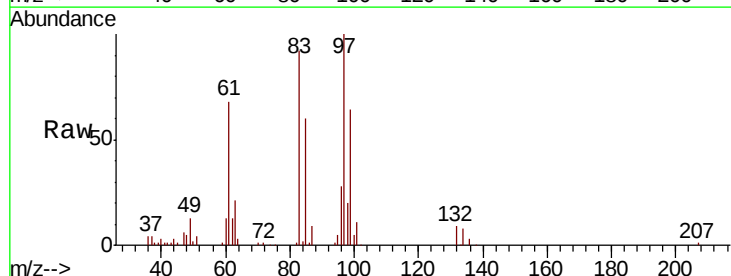
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.7	37.1
39	56.7	45.3	67.9

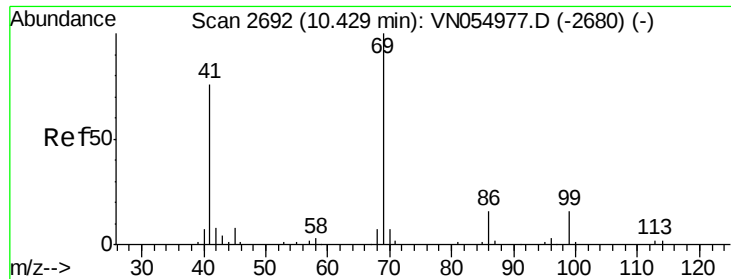


#50

1,1,2-Trichloroethane
 Concen: 22.283 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.6	72.1	108.1
85	60.2	45.4	68.0
99	63.5	50.6	75.8





#51

Ethyl methacrylate

Concen: 22.887 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS01

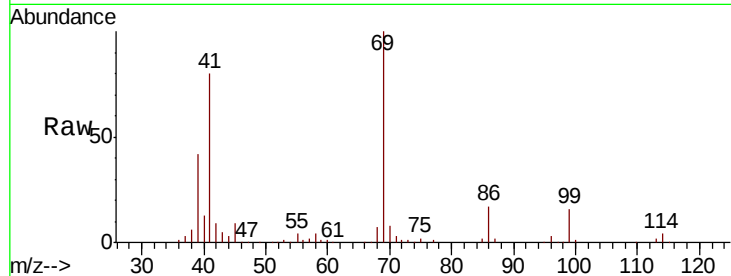
Tot Ion: 69 Resp: 98747

Ion Ratio Lower Upper

69 100

41 79.8 37.9 113.7

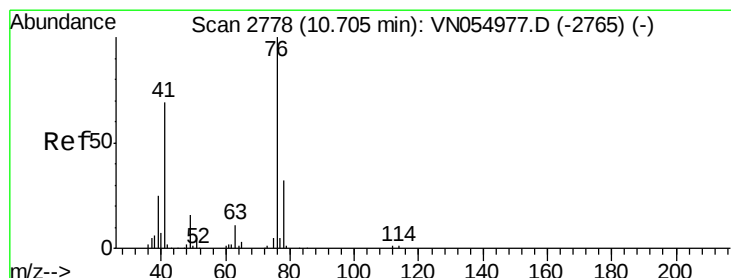
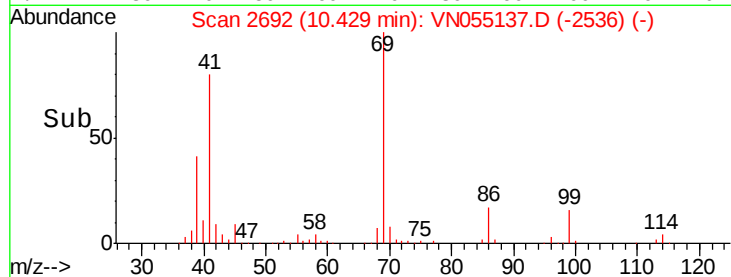
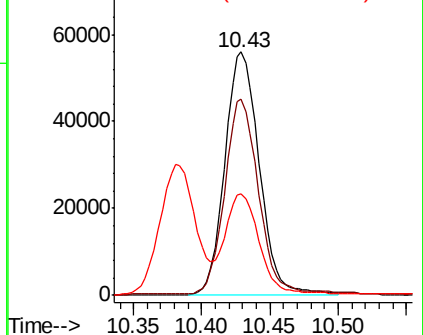
39 41.2 19.8 59.4



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: 22.679 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055137.D

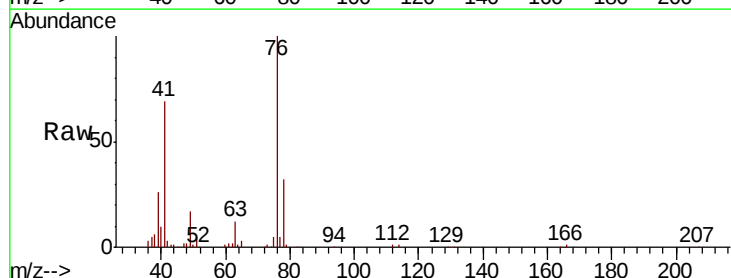
Acq: 19 Apr 2019 13:06

Tgt Ion: 76 Resp: 143839

Ion Ratio Lower Upper

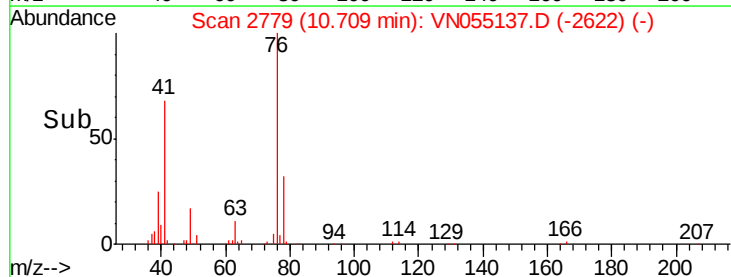
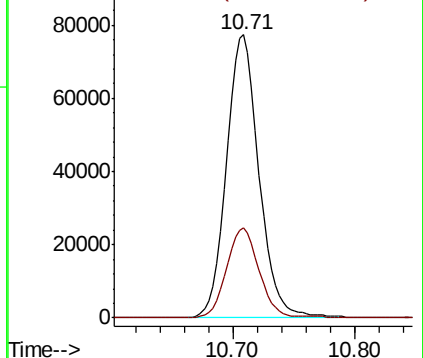
76 100

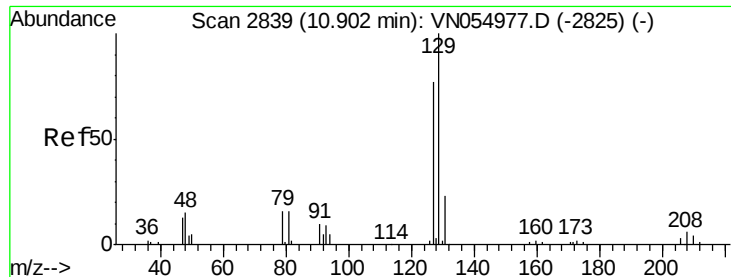
78 31.4 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 21.770 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

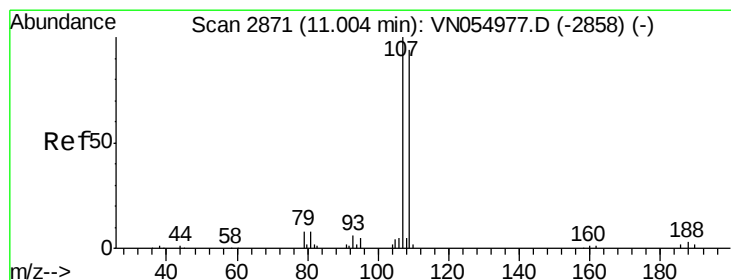
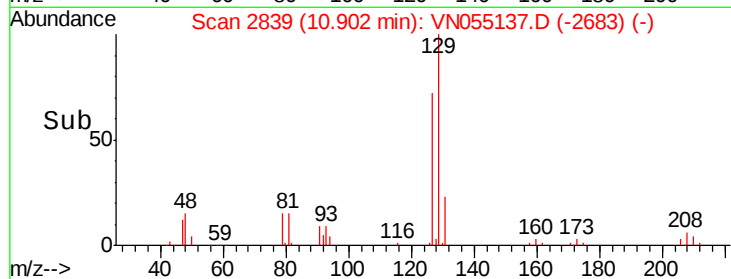
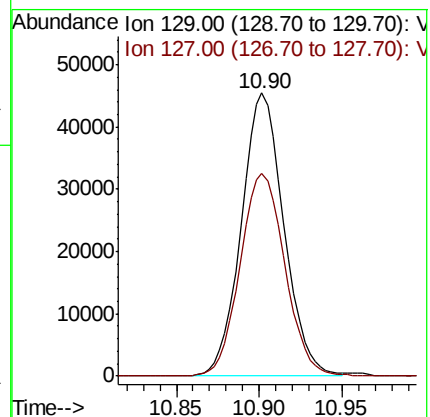
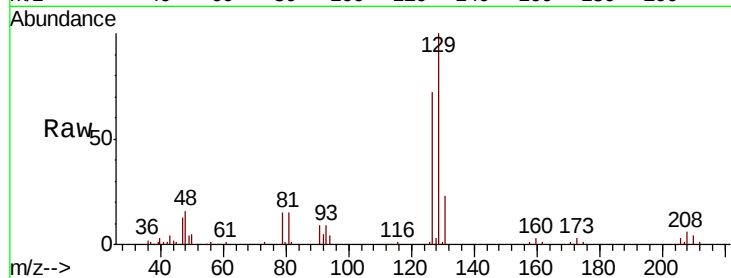
VN0419WBS01

Tot Ion:129 Resp: 81166

Ion Ratio Lower Upper

129 100

127 75.3 37.8 113.3



#54

1,2-Dibromoethane

Concen: 22.763 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055137.D

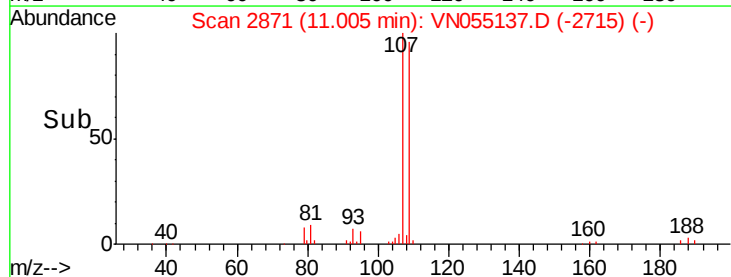
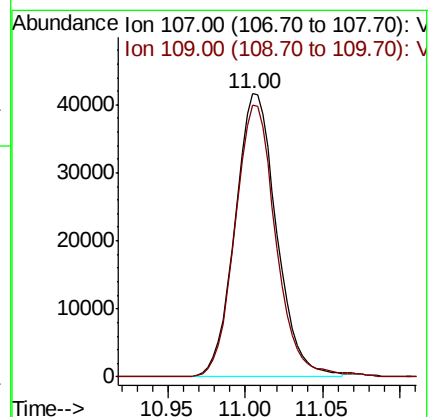
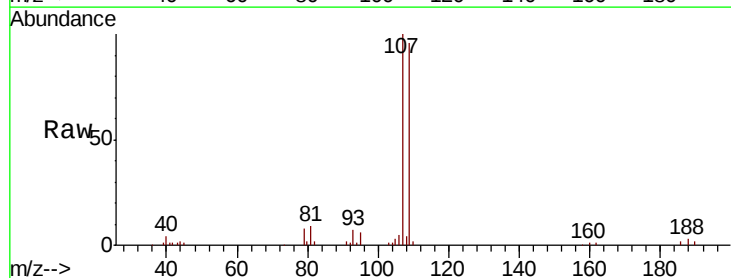
Acq: 19 Apr 2019 13:06

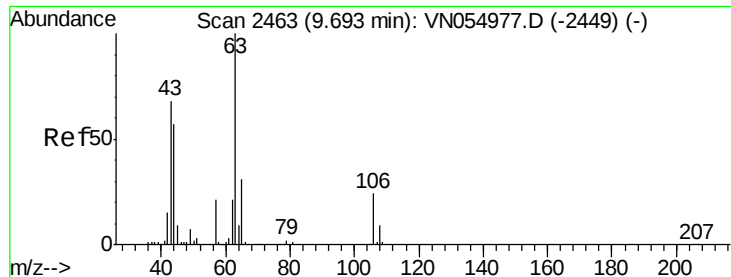
Tgt Ion:107 Resp: 77348

Ion Ratio Lower Upper

107 100

109 94.9 76.2 114.2

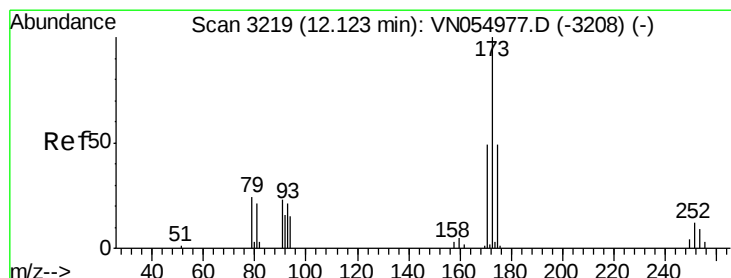
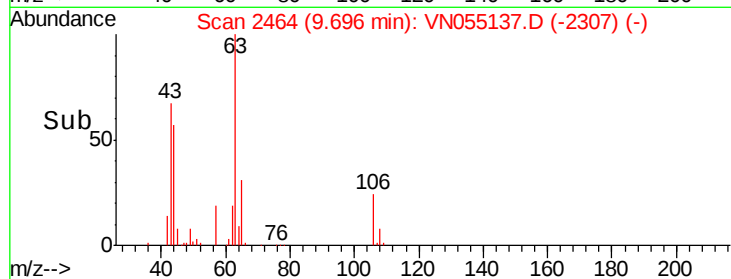
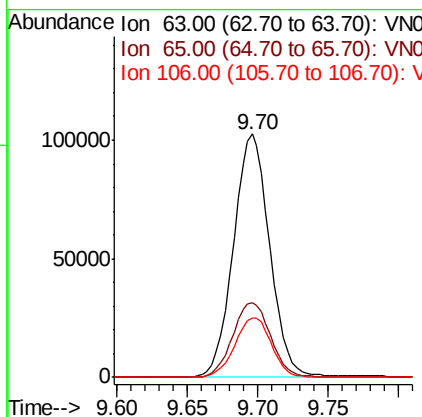
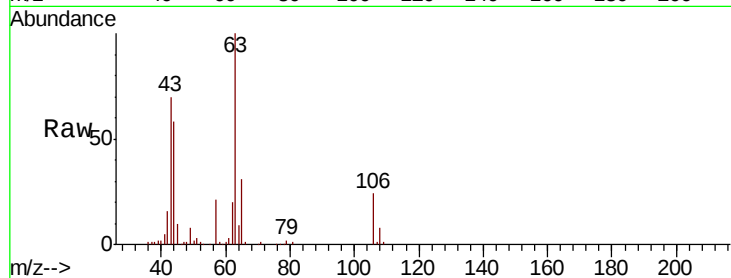




#55
 2-Chloroethyl vinyl ether
 Concen: 102.352 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

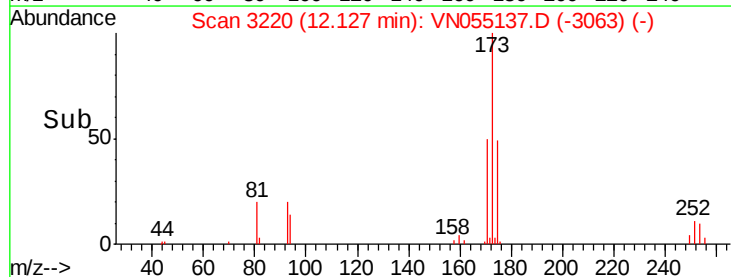
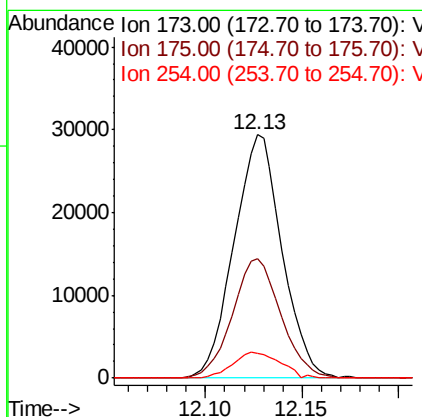
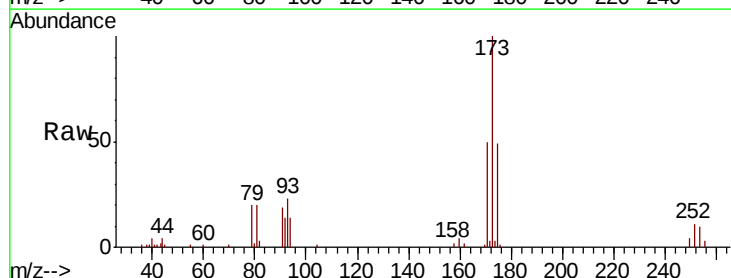
Instrument :
 MSVOA_N
 ClientSampled :
 VN0419WBS01

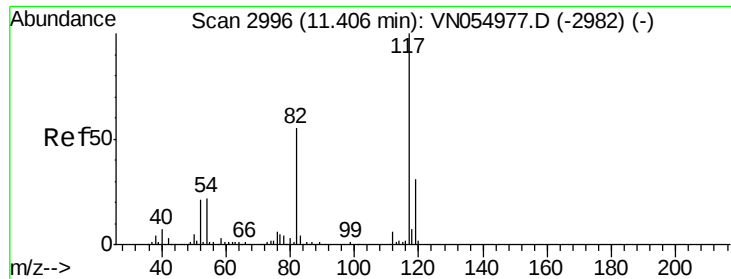
Tot Ion: 63 Resp: 184618
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.4 38.0
 106 24.6 19.8 29.6



#56
 Bromoform
 Concen: 21.602 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion: 173 Resp: 50606
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.6 57.8
 254 10.4 6.8 10.2#

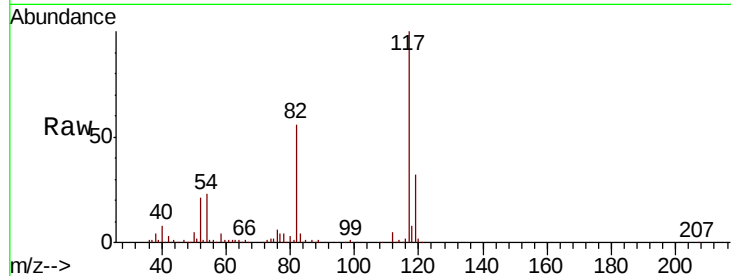




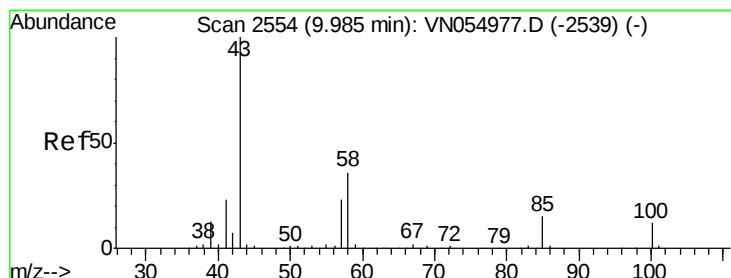
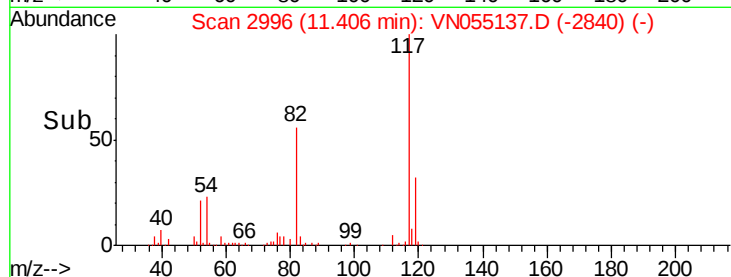
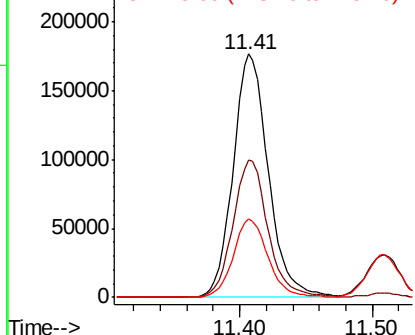
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion:117 Resp: 325204
Ion Ratio Lower Upper
117 100
82 56.0 45.2 67.8
119 31.9 25.4 38.2

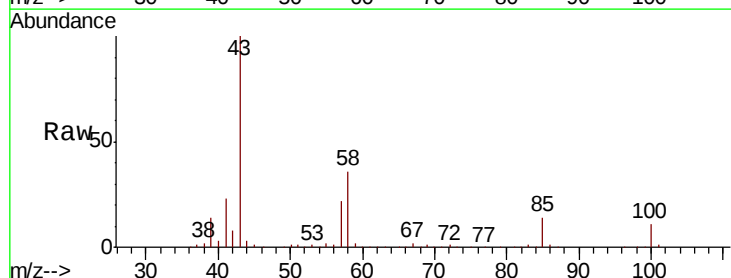


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

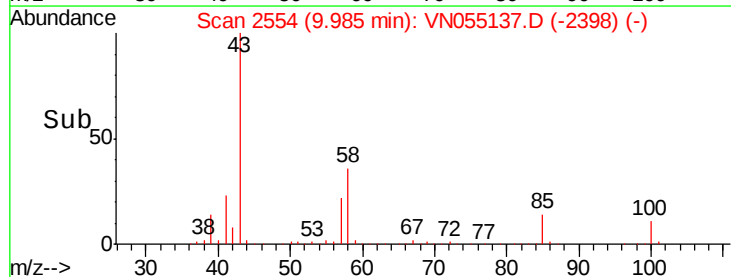
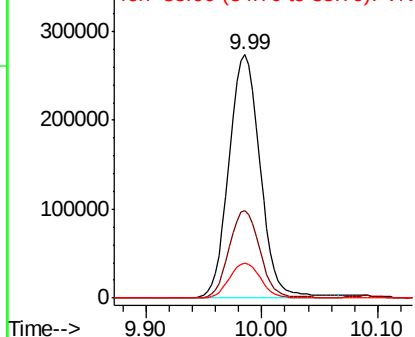


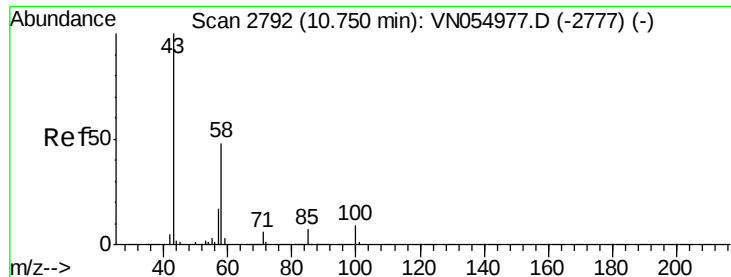
#58
4-Methyl-2-Pentanone
Concen: 135.813 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 43 Resp: 509340
Ion Ratio Lower Upper
43 100
58 35.7 28.7 43.1
85 14.3 11.8 17.6



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

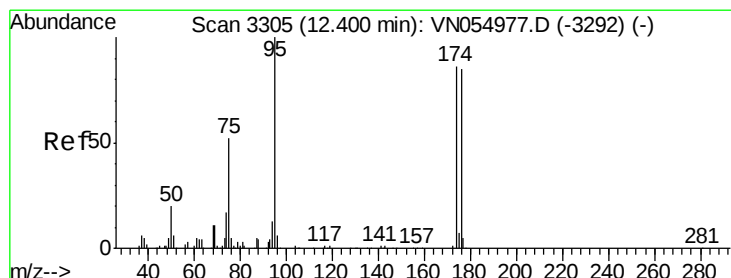
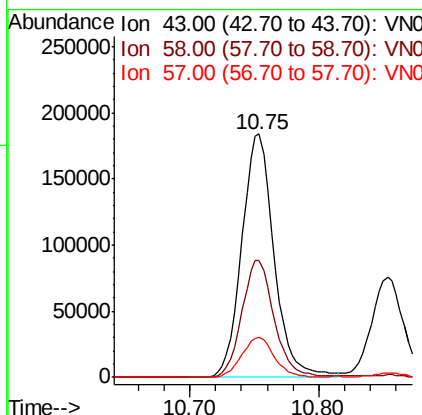
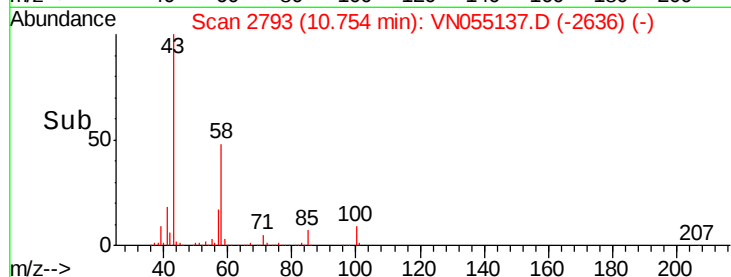
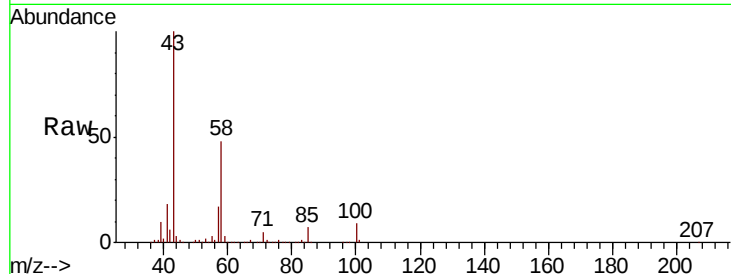




#59
2-Hexanone
Concen: 134.097 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

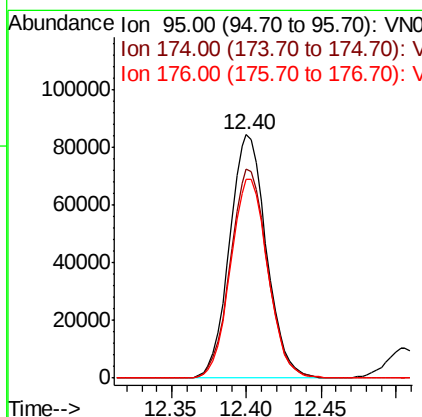
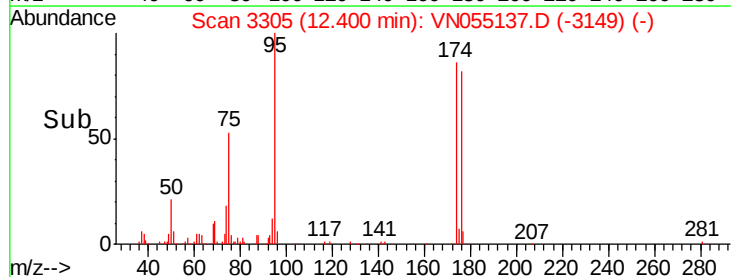
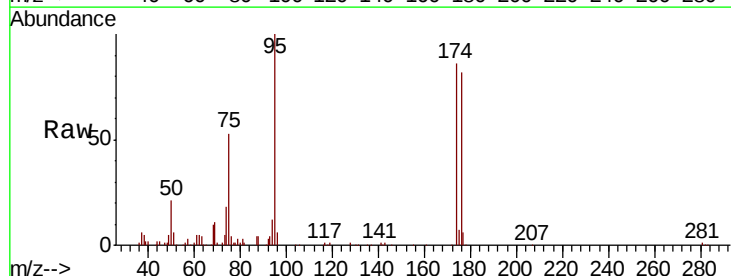
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

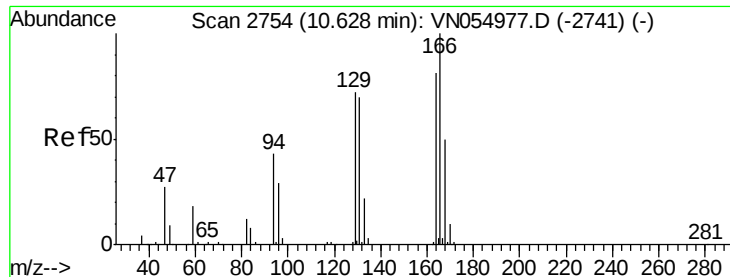
Tot Ion: 43 Resp: 319482
Ion Ratio Lower Upper
43 100
58 48.5 38.8 58.2
57 16.7 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 134.097 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 95 Resp: 144686
Ion Ratio Lower Upper
95 100
174 86.4 69.4 104.2
176 82.9 67.4 101.2

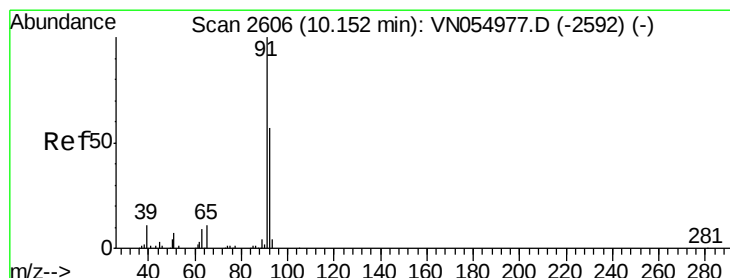
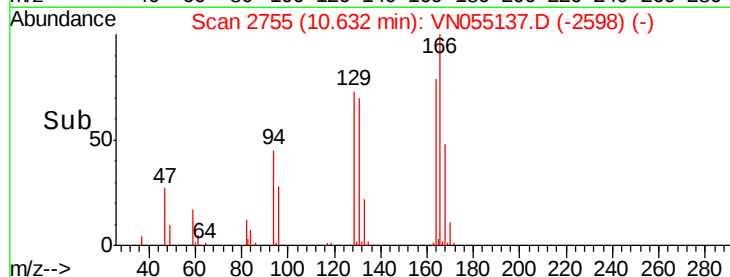
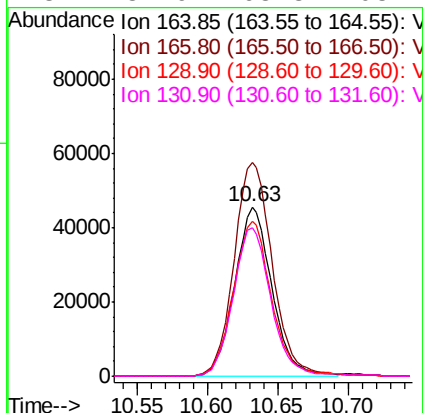
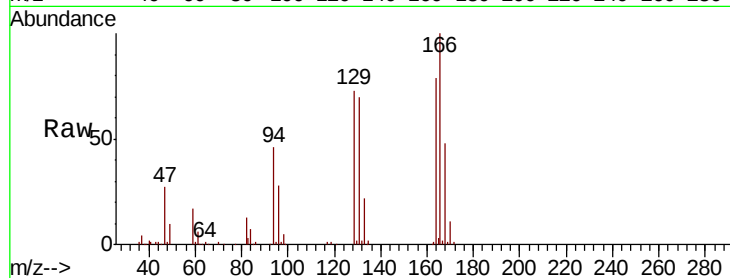




#61
Tetrachloroethene
Concen: 19.950 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

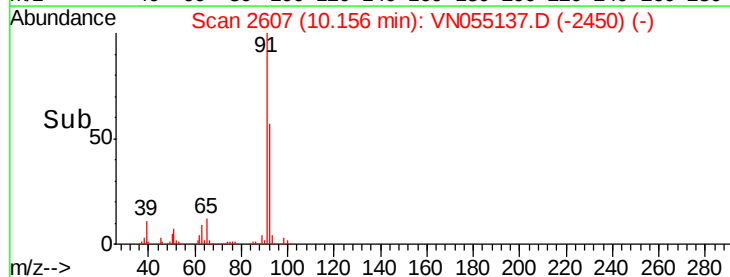
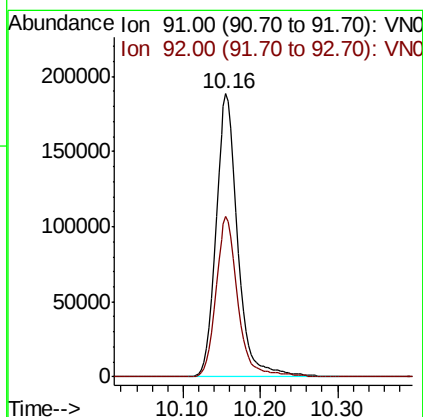
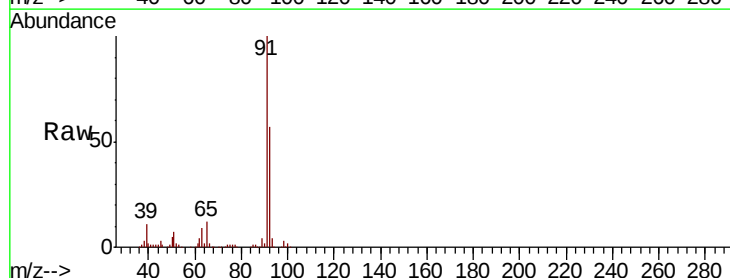
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

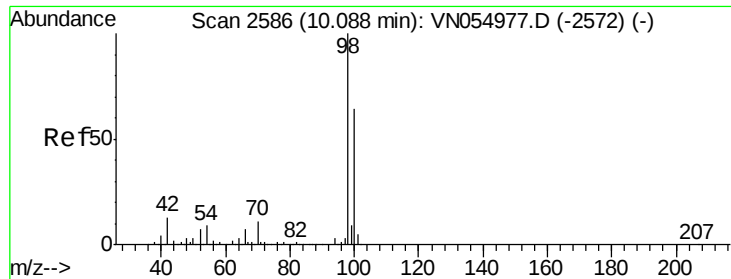
Tot Ion	Ratio	Lower	Upper
164	100		
166	126.2	99.0	148.4
129	91.9	71.4	107.0
131	87.9	68.8	103.2



#62
Toluene
Concen: 20.795 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.3	44.8	67.2





#63

Toluene-d8

Concen: 20.795 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

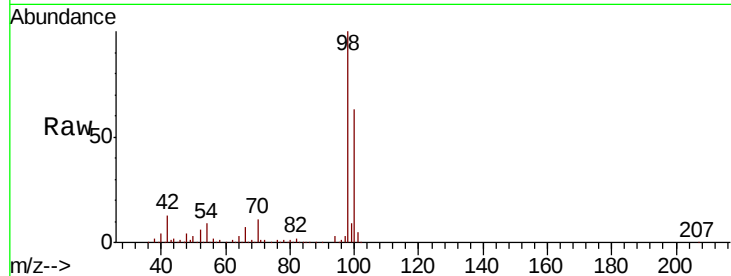
VN0419WBS01

Tot Ion: 98 Resp: 468661

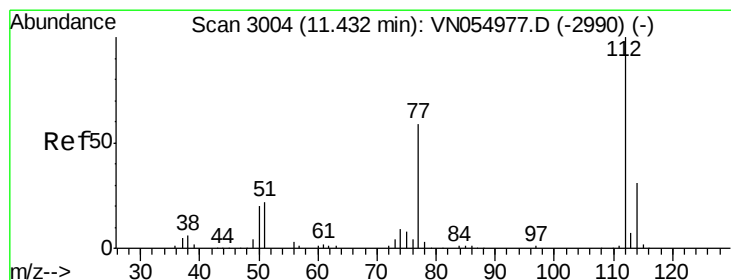
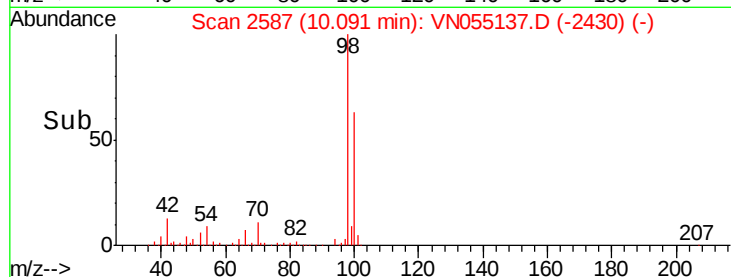
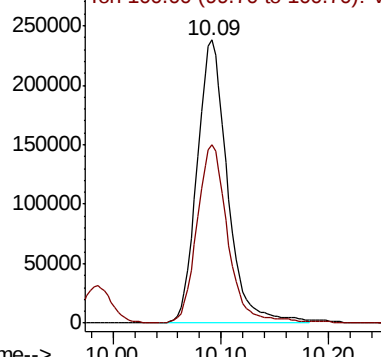
Ion Ratio Lower Upper

98 100

100 62.1 51.1 76.7



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



#64

Chlorobenzene

Concen: 20.327 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055137.D

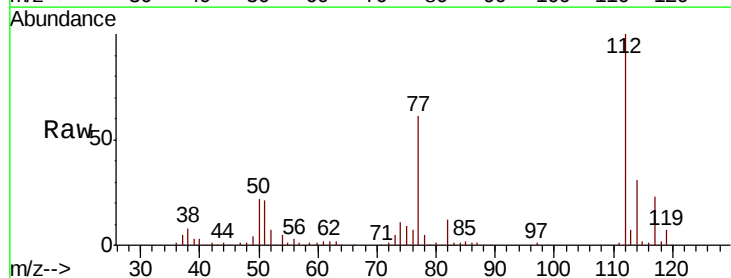
Acq: 19 Apr 2019 13:06

Tgt Ion: 112 Resp: 219892

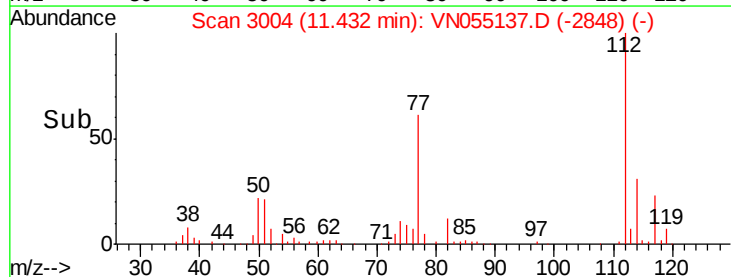
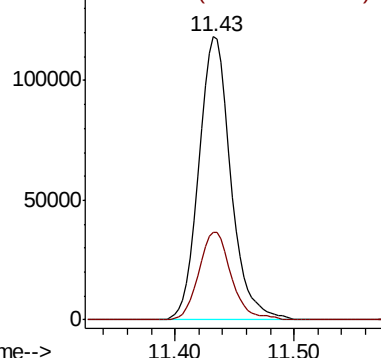
Ion Ratio Lower Upper

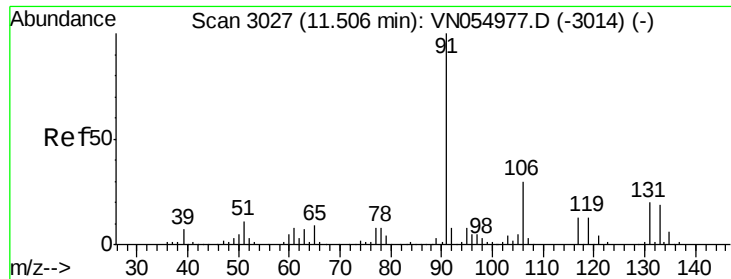
112 100

114 31.0 25.1 37.7



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





#65

1,1,1,2-Tetrachloroethane

Concen: 20.873 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

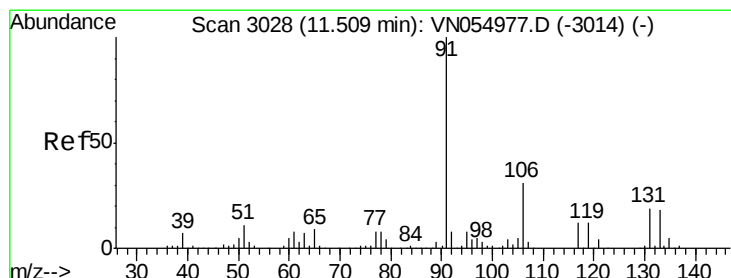
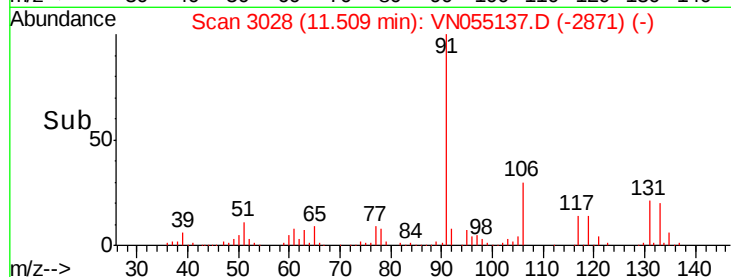
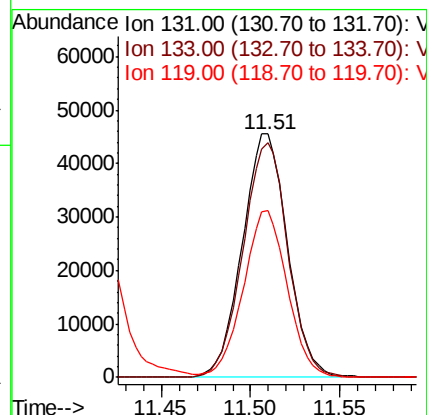
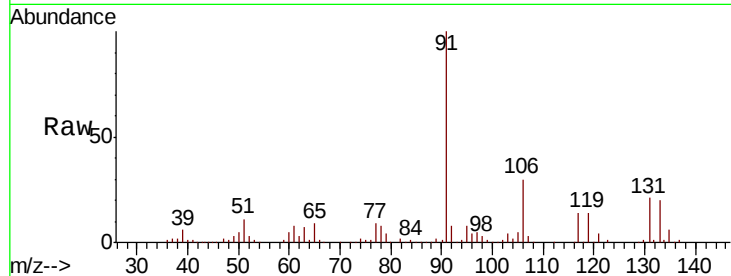
Tot Ion:131 Resp: 80306

Ion Ratio Lower Upper

131 100

133 95.9 0.0 187.8

119 66.7 0.0 131.4



#66

Ethyl Benzene

Concen: 20.038 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055137.D

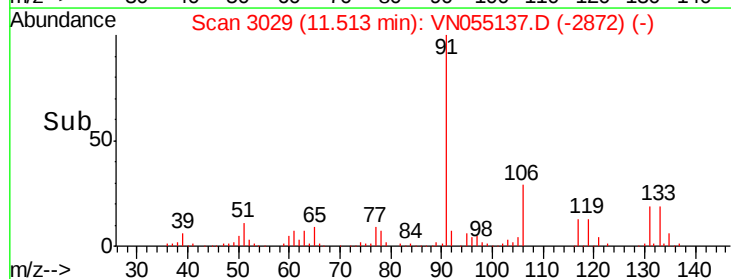
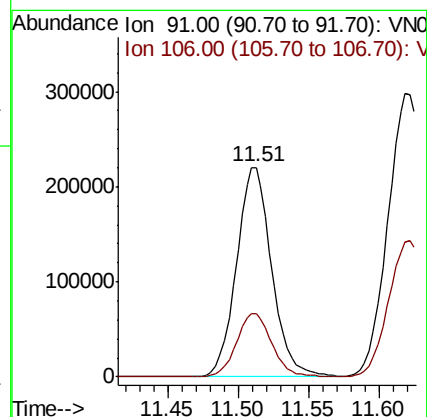
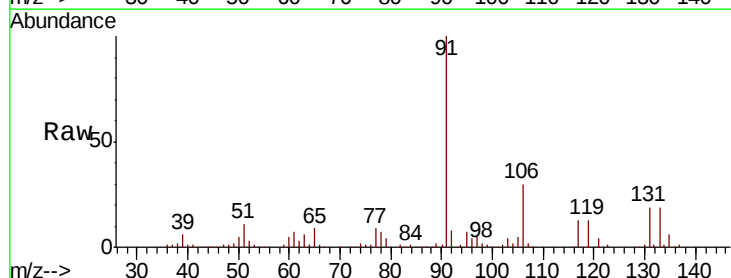
Acq: 19 Apr 2019 13:06

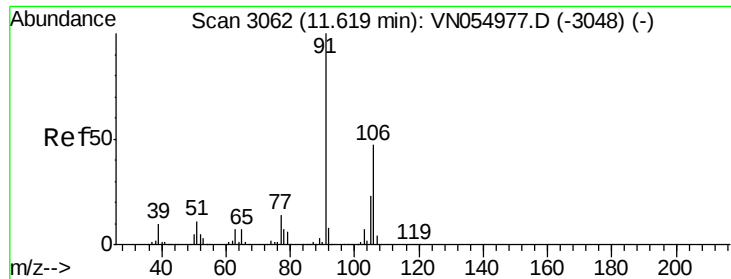
Tgt Ion: 91 Resp: 384892

Ion Ratio Lower Upper

91 100

106 29.9 24.6 36.8

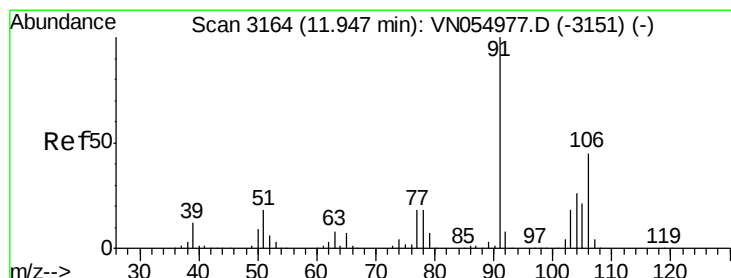
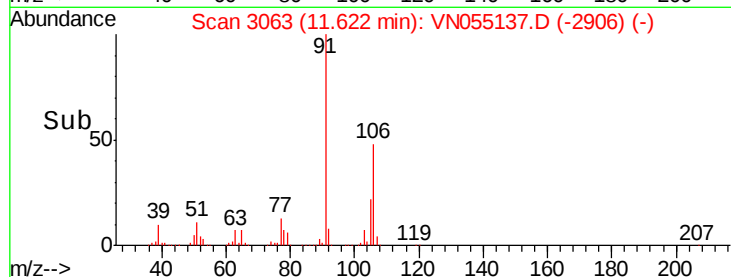
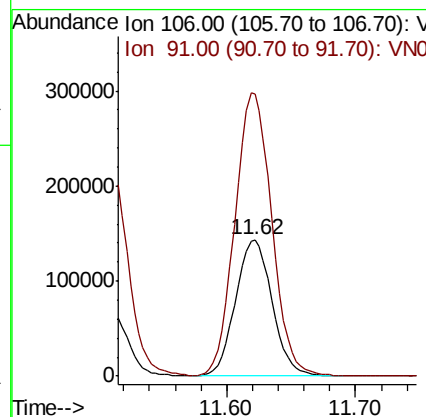
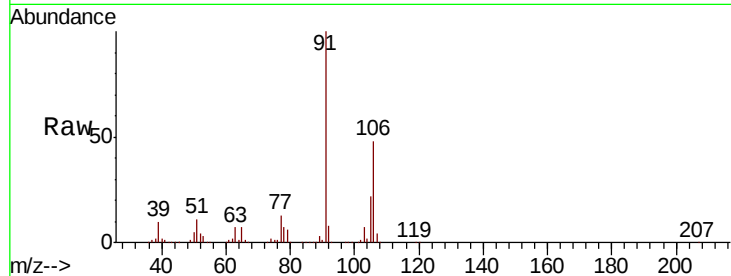




#67
m/p-Xylenes
Concen: 39.540 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

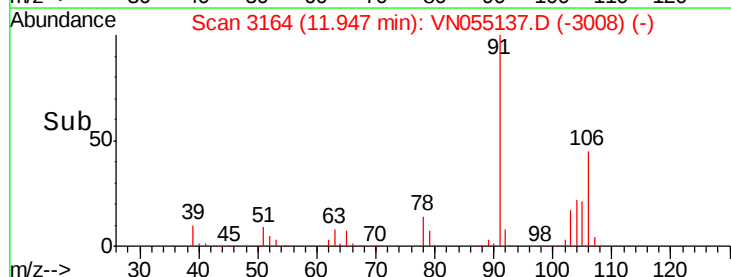
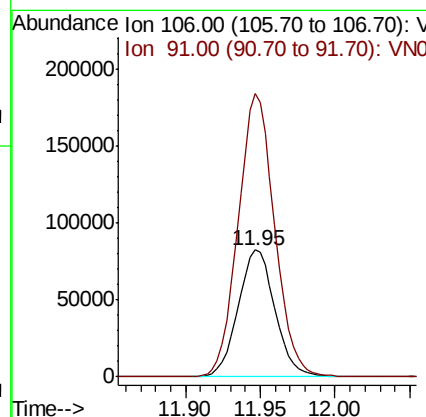
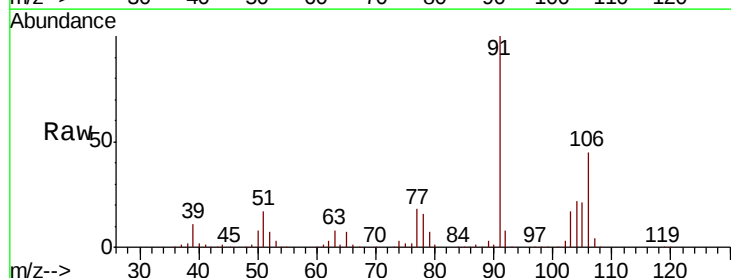
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

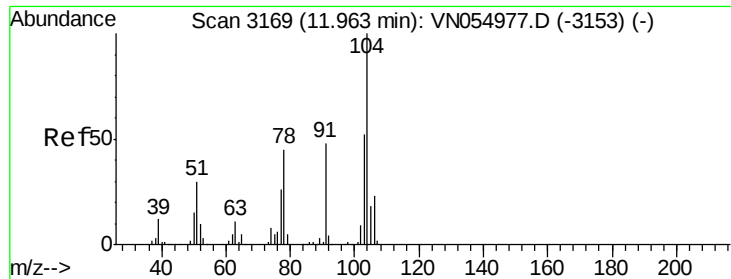
Tot Ion:106 Resp: 282305
Ion Ratio Lower Upper
106 100
91 209.9 167.4 251.2



#68
o-Xylene
Concen: 20.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion:106 Resp: 141436
Ion Ratio Lower Upper
106 100
91 220.7 110.3 330.8

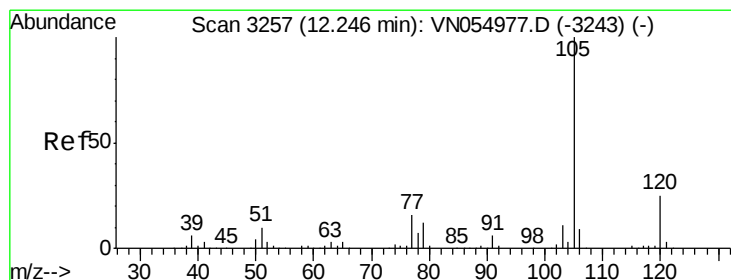
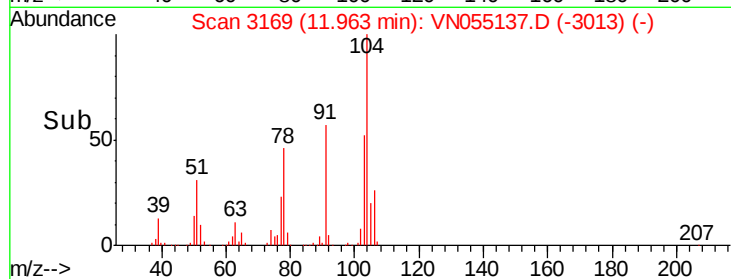
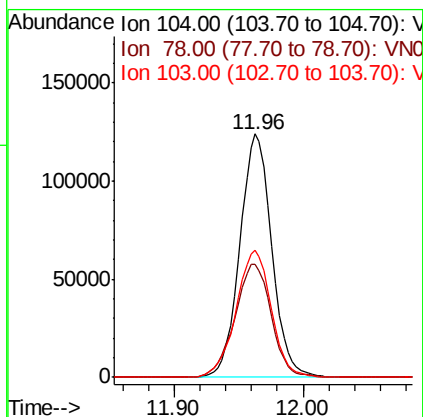
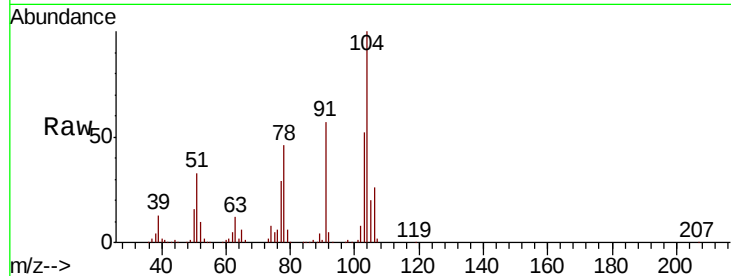




#69
Stvrene
Concen: 19.521 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

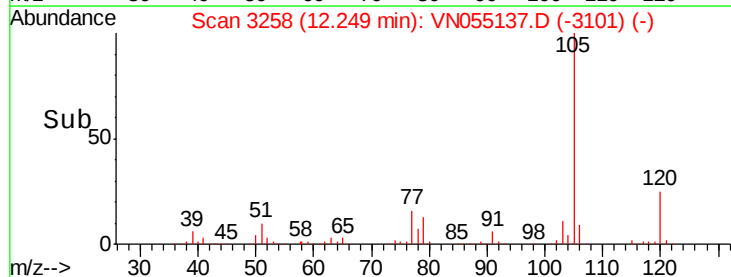
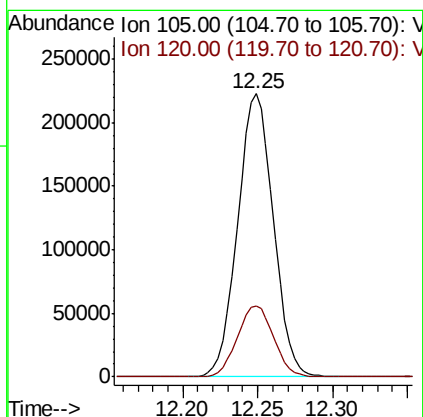
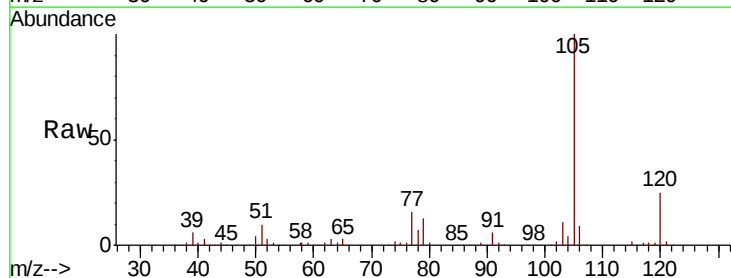
Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

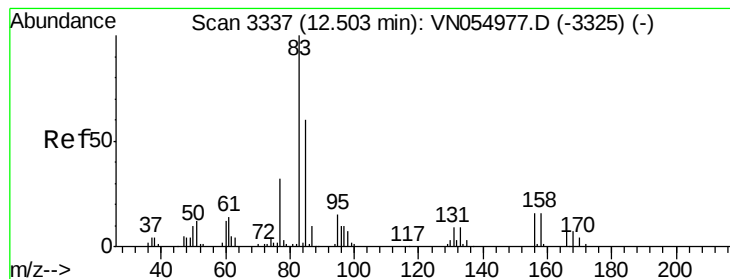
Tot Ion:104 Resp: 213877
Ion Ratio Lower Upper
104 100
78 53.1 41.2 61.8
103 57.4 44.6 67.0



#70
Isopropylbenzene
Concen: 19.592 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion:105 Resp: 369588
Ion Ratio Lower Upper
105 100
120 25.6 18.3 33.9





#71

1,1,2,2-Tetrachloroethane

Concen: 24.824 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

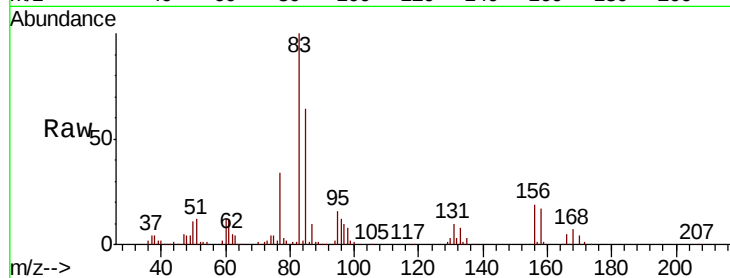
Tot Ion: 83 Resp: 107107

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

85 64.0 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

12.51

60000

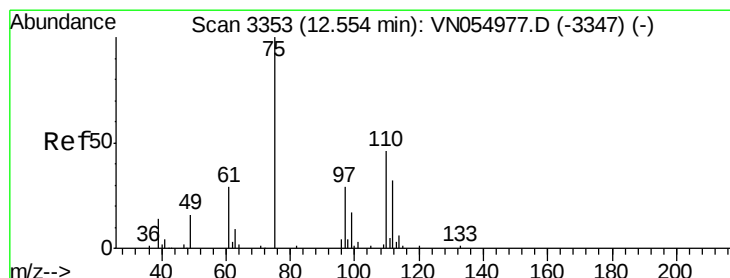
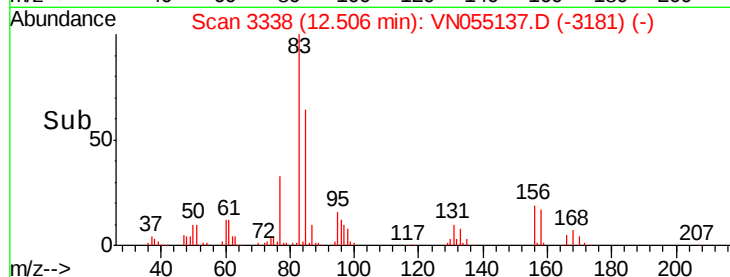
40000

20000

0

12.45 12.50 12.55

Time-->



#72

1,2,3-Trichloropropane

Concen: 34.507 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055137.D

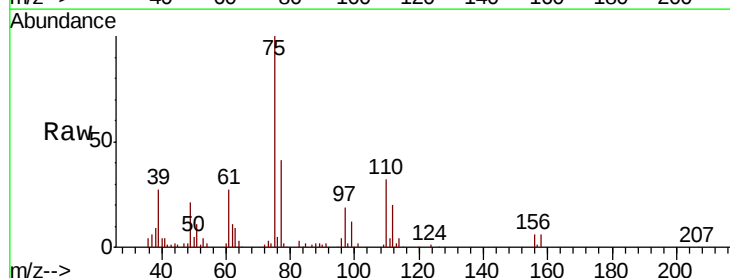
Acq: 19 Apr 2019 13:06

Tgt Ion: 75 Resp: 122958

Ion Ratio Lower Upper

75 100

77 144.6 0.0 466.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

100000

80000

60000

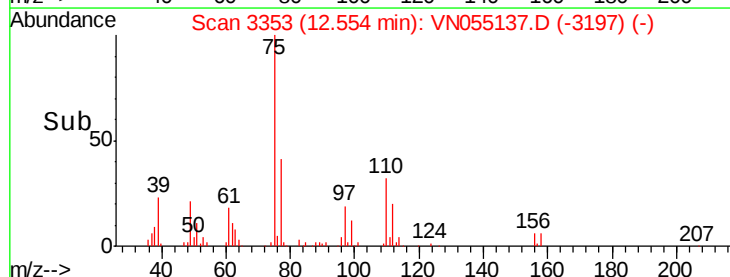
40000

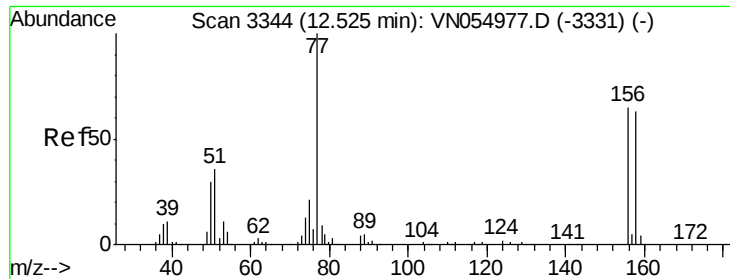
20000

0

12.50 12.55 12.60

Time-->





#73

Bromobenzene

Concen: 19.933 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS01

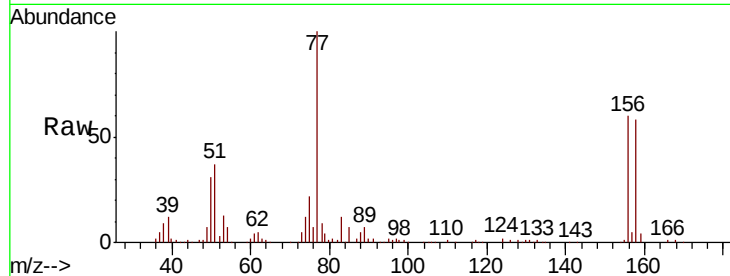
Tot Ion:156 Resp: 88880

Ion Ratio Lower Upper

156 100

77 200.0 0.0 383.2

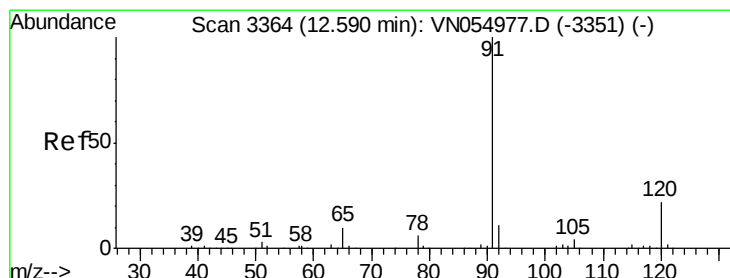
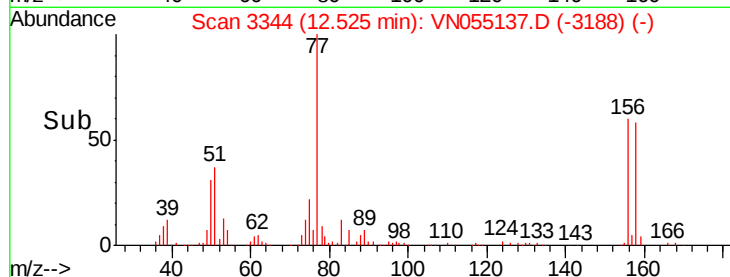
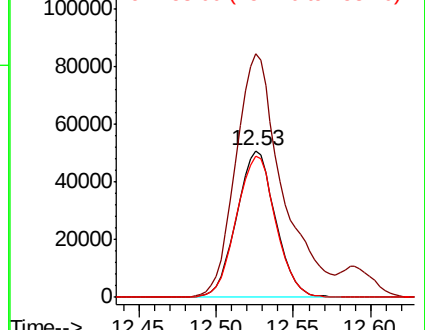
158 97.7 0.0 193.8



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: 19.009 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055137.D

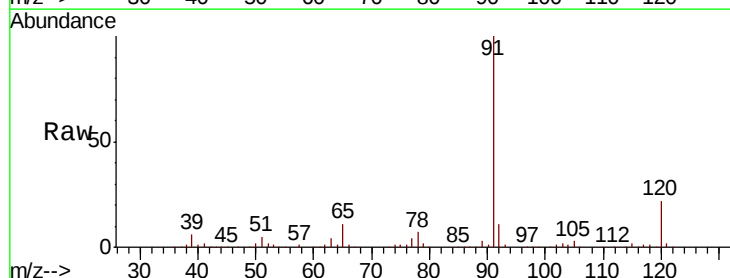
Acq: 19 Apr 2019 13:06

Tgt Ion: 91 Resp: 401450

Ion Ratio Lower Upper

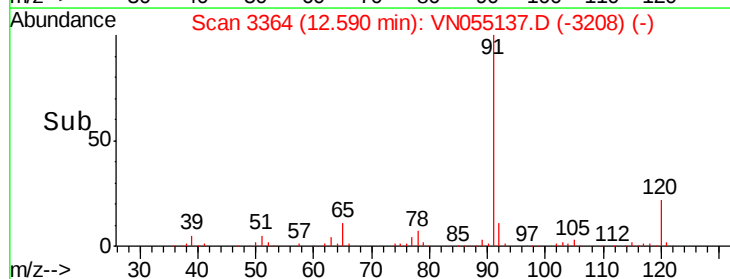
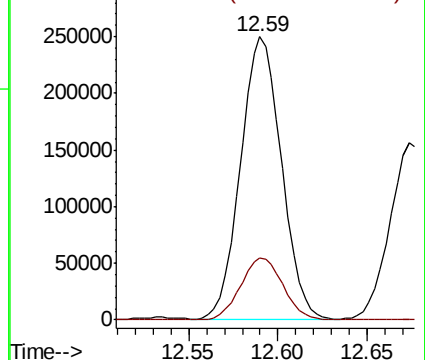
91 100

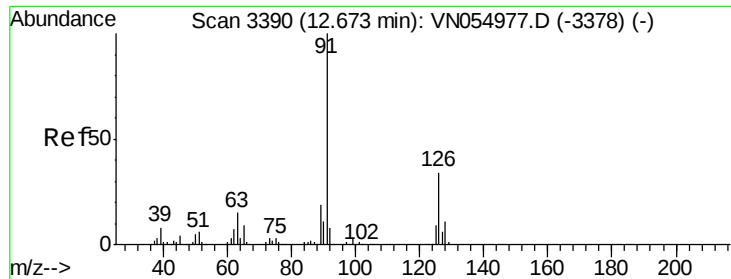
120 22.5 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.019 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

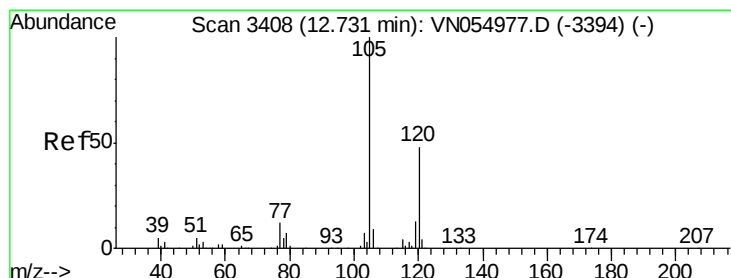
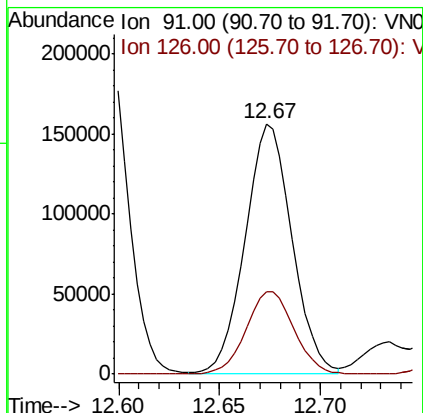
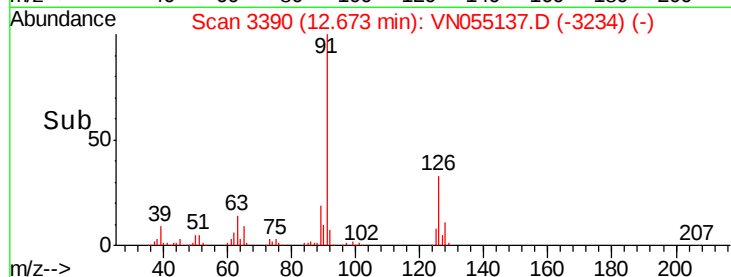
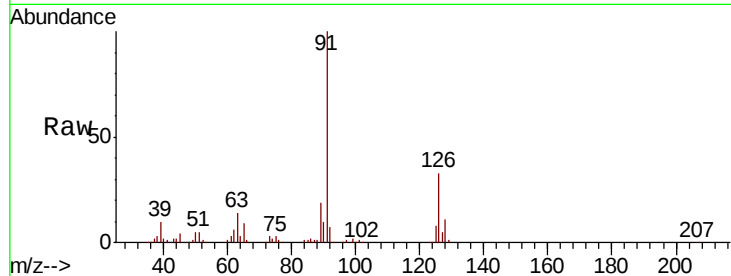
VN0419WBS01

Tot Ion: 91 Resp: 254986

Ion Ratio Lower Upper

91 100

126 33.6 0.0 67.4



#76

1,3,5-Trimethylbenzene

Concen: 19.279 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055137.D

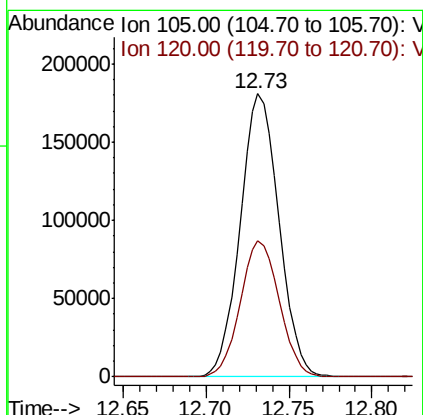
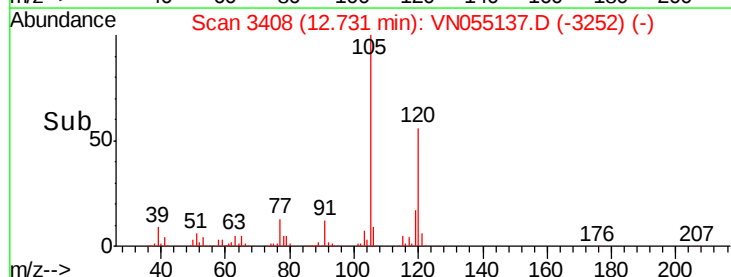
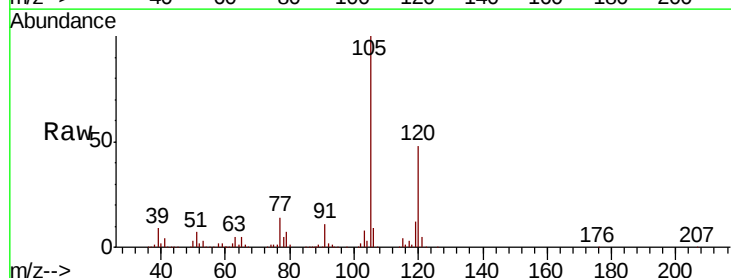
Acq: 19 Apr 2019 13:06

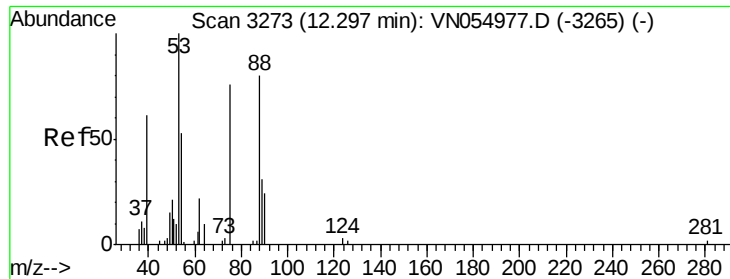
Tgt Ion: 105 Resp: 294033

Ion Ratio Lower Upper

105 100

120 48.3 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 21.663 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

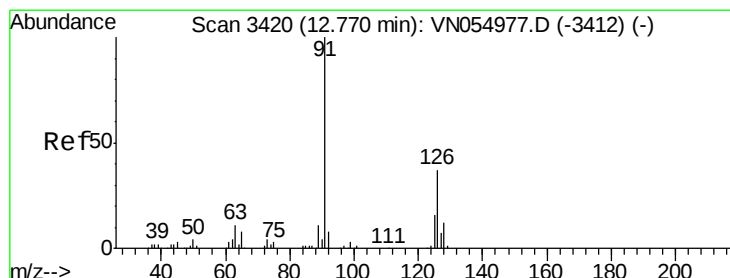
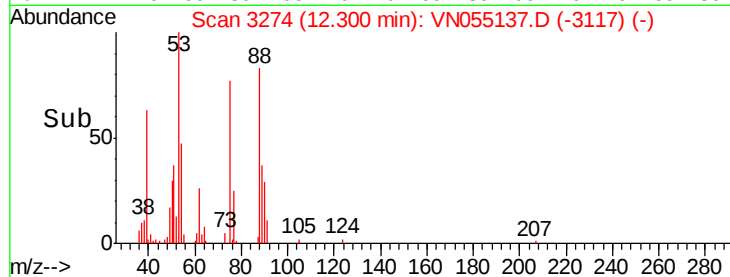
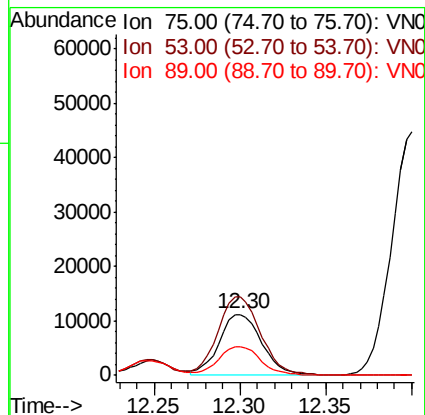
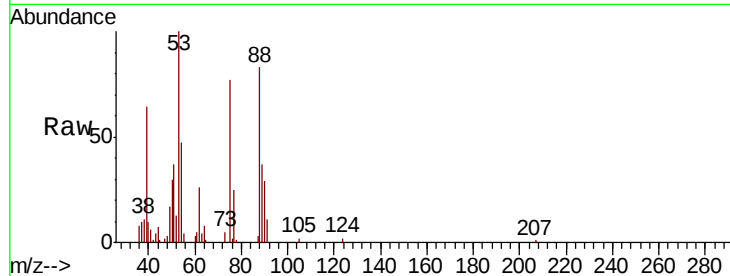
Tot Ion: 75 Resp: 19457

Ion Ratio Lower Upper

75 100

53 129.2 64.3 192.7

89 47.6 21.6 65.0



#78

4-Chlorotoluene

Concen: 19.273 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055137.D

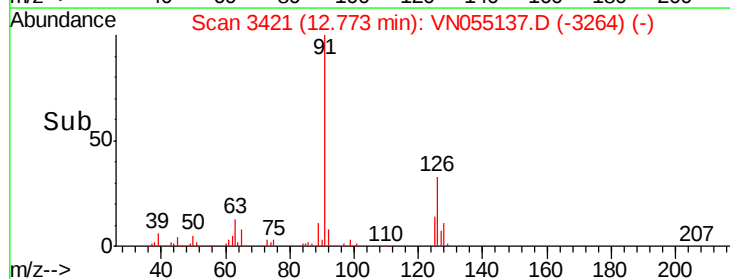
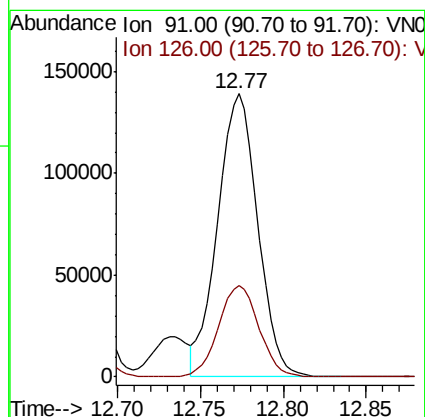
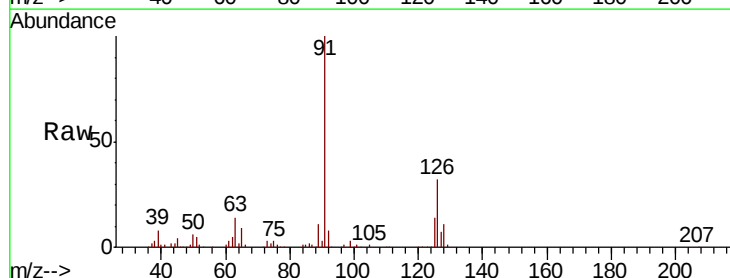
Acq: 19 Apr 2019 13:06

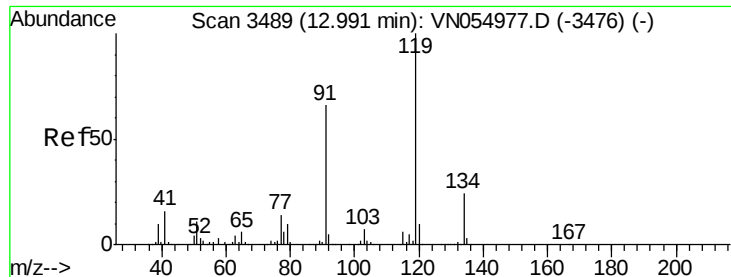
Tgt Ion: 91 Resp: 233903

Ion Ratio Lower Upper

91 100

126 32.6 0.0 66.6

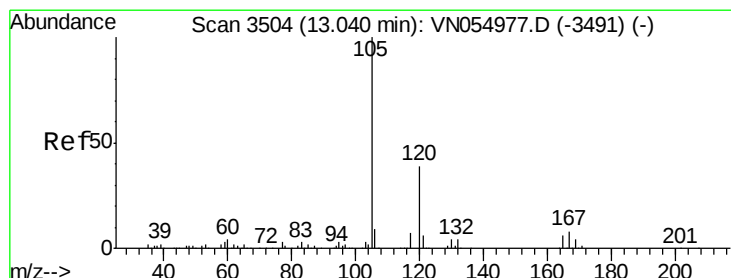
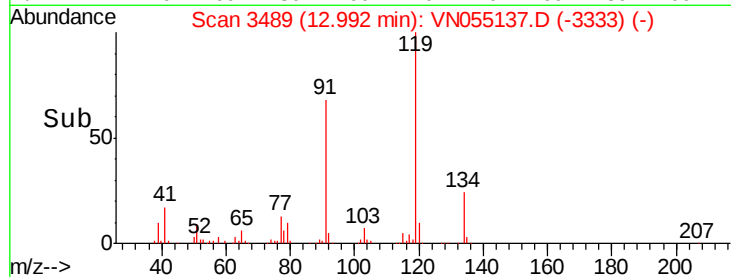
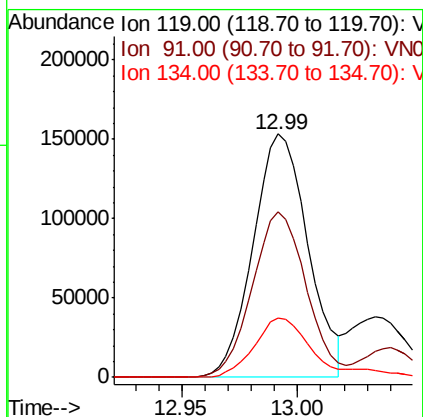
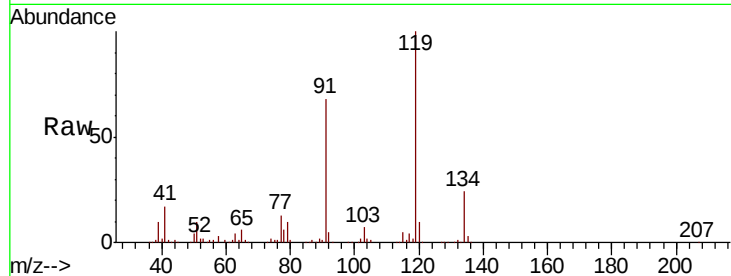




#79
tert-butylbenzene
Concen: 19.184 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

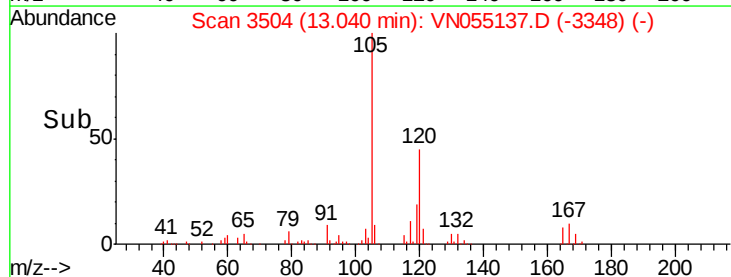
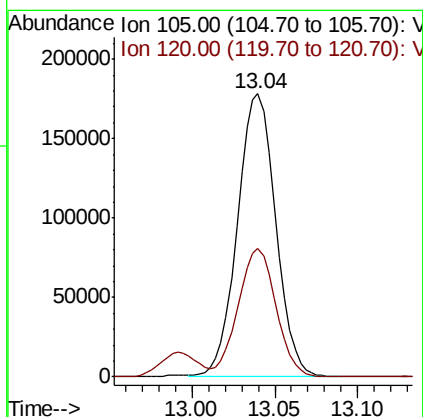
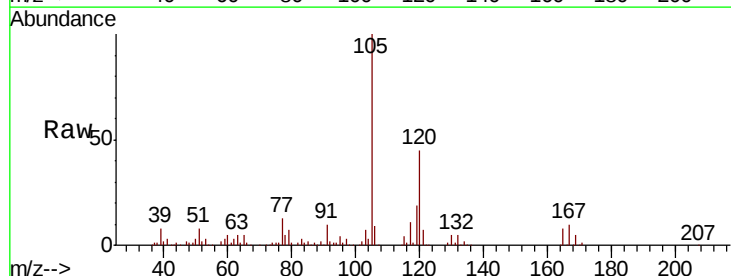
Instrument :
MSVOA_N
ClientSampled :
VN0419WBS01

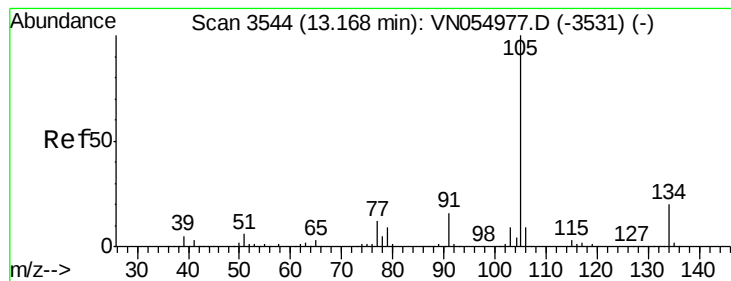
Tot Ion:119 Resp: 253171
Ion Ratio Lower Upper
119 100
91 66.8 0.0 132.6
134 24.5 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 19.082 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion:105 Resp: 285905
Ion Ratio Lower Upper
105 100
120 45.0 0.0 91.4





#81

sec-Butylbenzene

Concen: 18.666 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

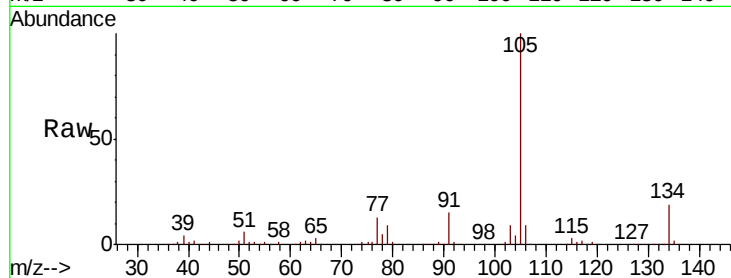
VN0419WBS01

Tot Ion:105 Resp: 329147

Ion Ratio Lower Upper

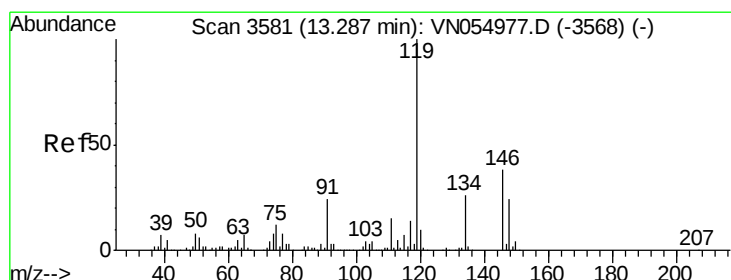
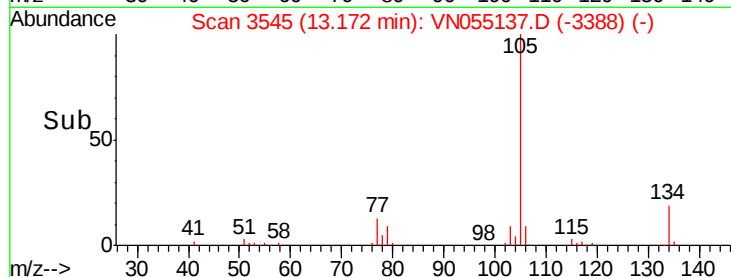
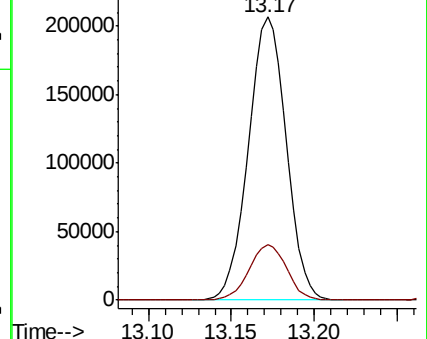
105 100

134 19.5 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: 17.887 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

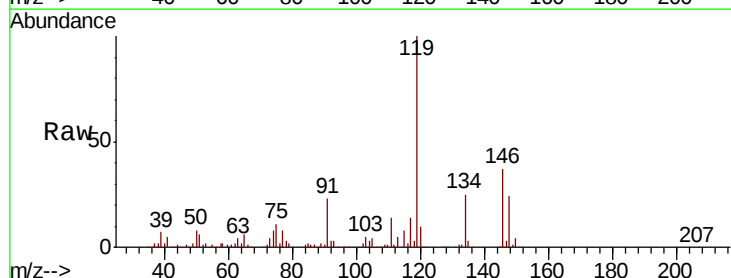
Tgt Ion:119 Resp: 266193

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.2

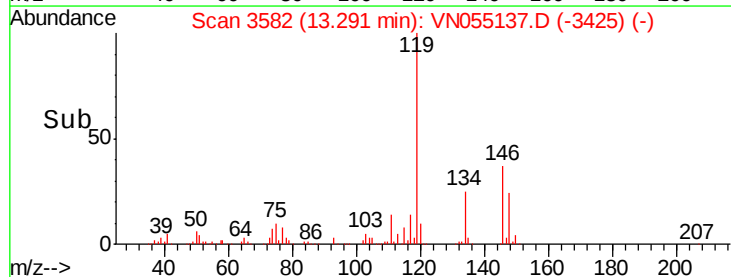
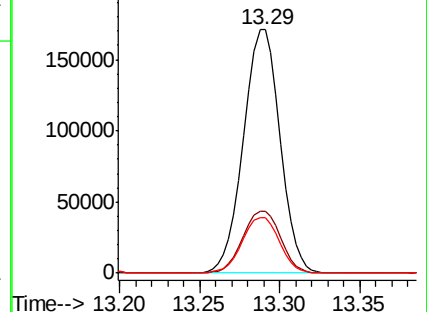
91 23.4 0.0 47.8

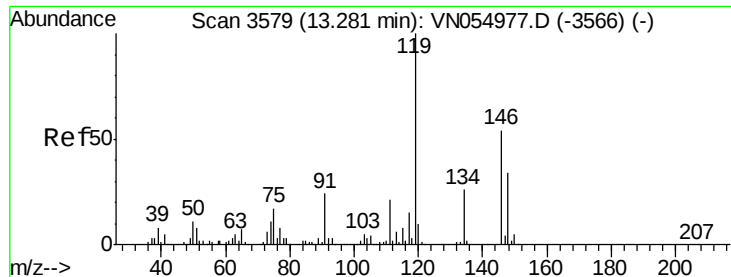


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

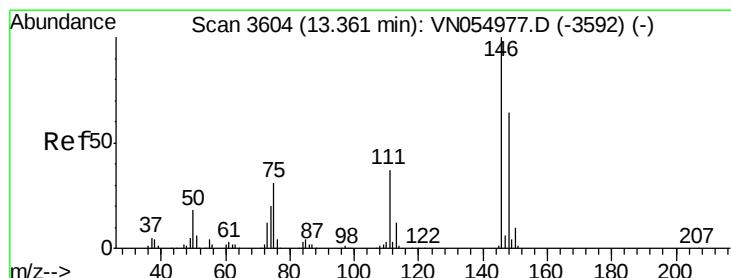
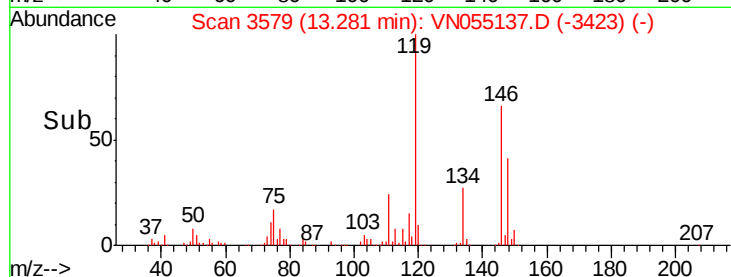
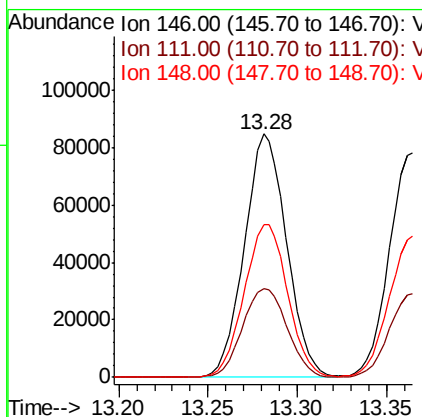
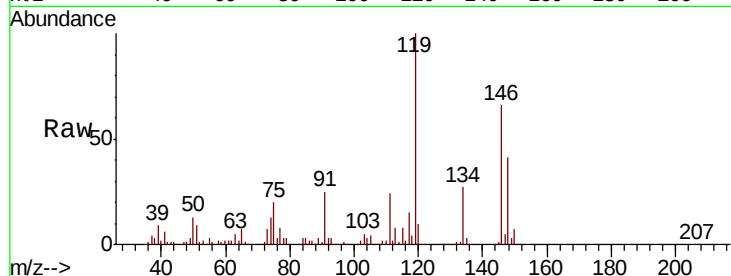




#83
 1,3-Dichlorobenzene
 Concen: 18.821 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

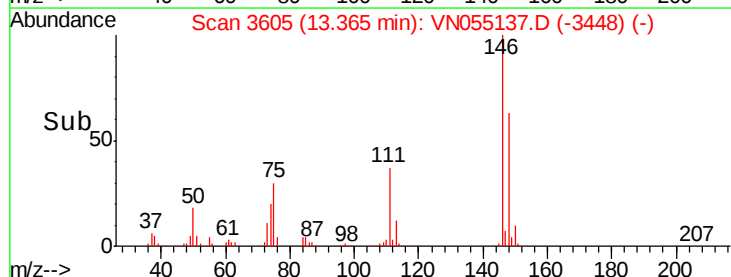
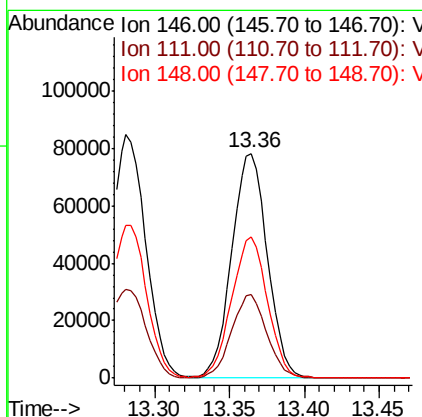
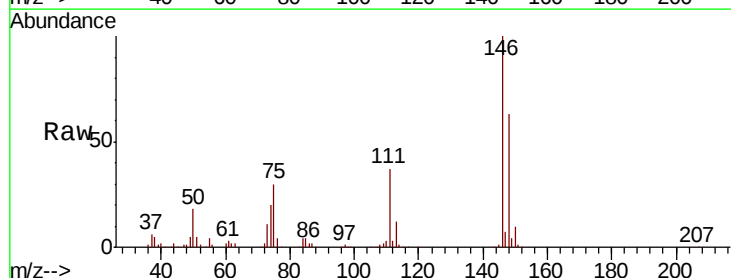
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

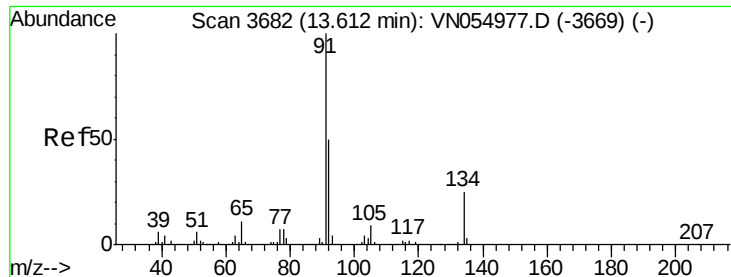
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	64.7	31.9	95.5



#84
 1,4-Dichlorobenzene
 Concen: 18.318 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.2
148	63.3	32.5	97.4

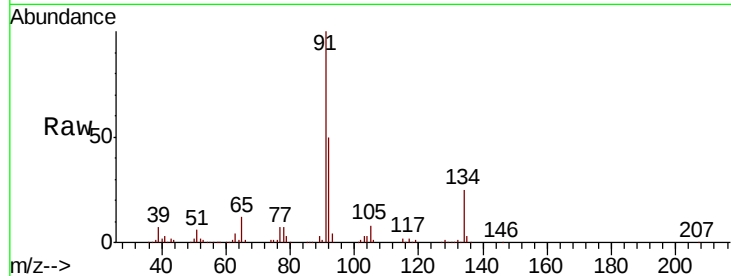




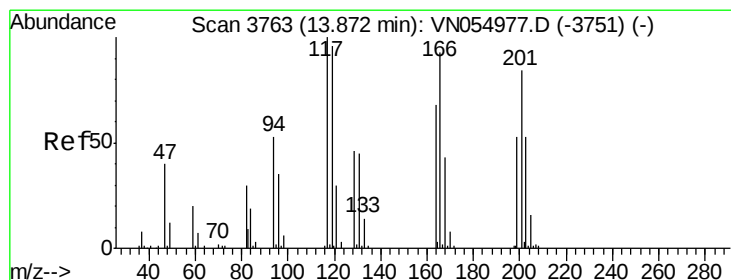
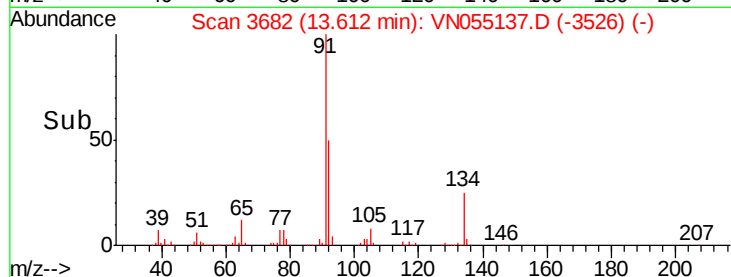
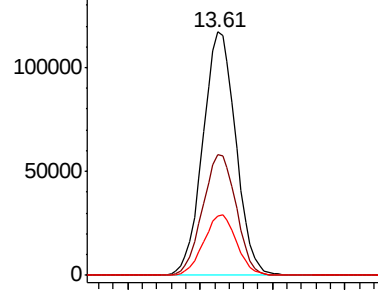
#85
n-Butylbenzene
Concen: 15.534 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0419WBS01

Tot Ion: 91 Resp: 184146
Ion Ratio Lower Upper
91 100
92 50.5 0.0 101.4
134 24.7 0.0 49.8

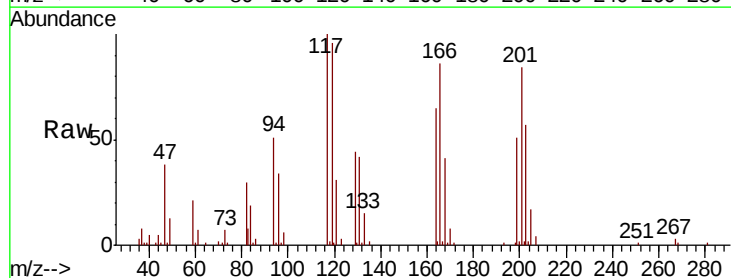


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0

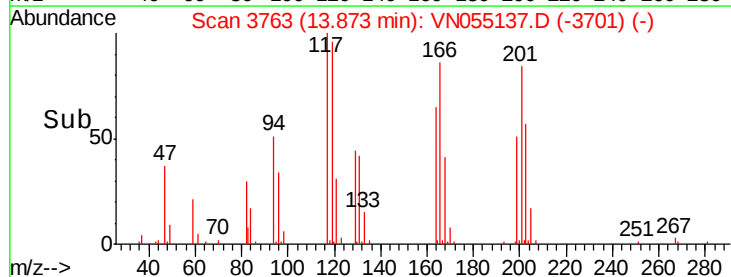
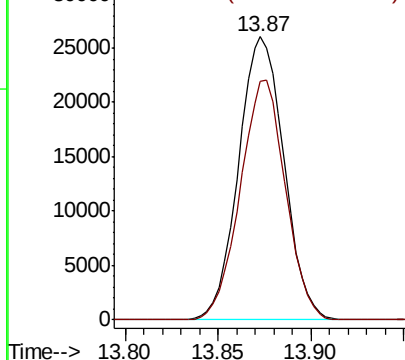


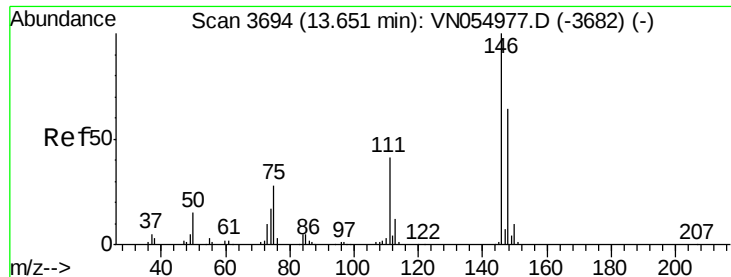
#86
Hexachloroethane
Concen: 18.593 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055137.D
Acq: 19 Apr 2019 13:06

Tgt Ion: 117 Resp: 44293
Ion Ratio Lower Upper
117 100
201 84.1 42.8 128.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





#87

1,2-Dichlorobenzene

Concen: 19.743 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampled :

VN0419WBS01

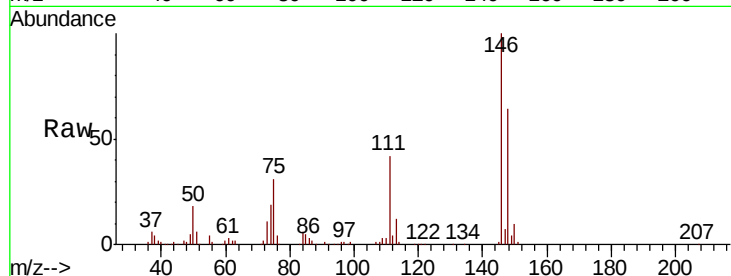
Tot Ion:146 Resp: 144228

Ion Ratio Lower Upper

146 100

111 40.5 20.3 60.8

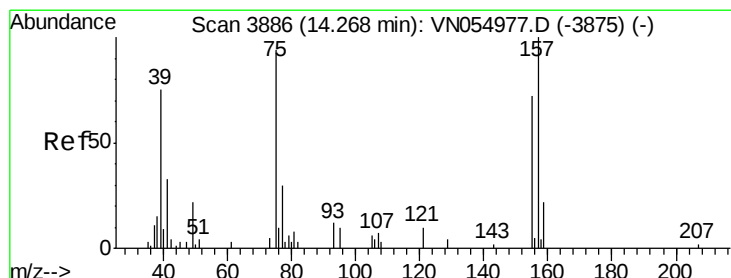
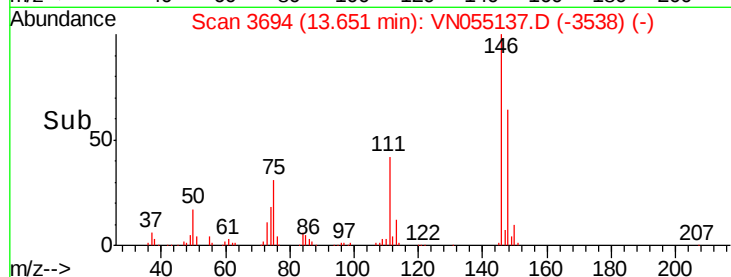
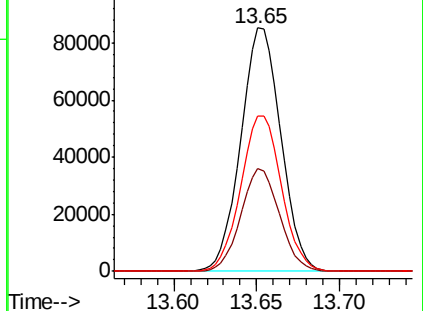
148 64.5 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 24.740 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

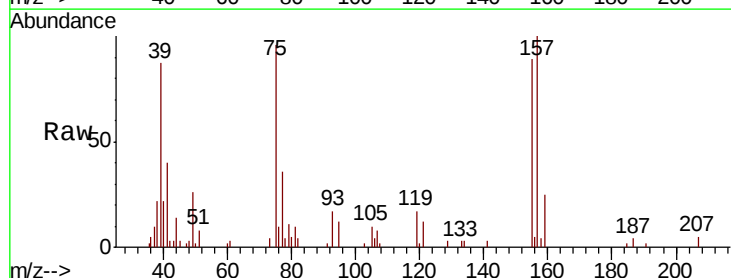
Tgt Ion: 75 Resp: 14187

Ion Ratio Lower Upper

75 100

155 85.8 61.8 92.8

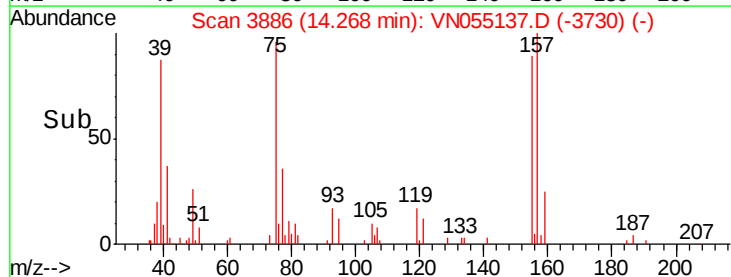
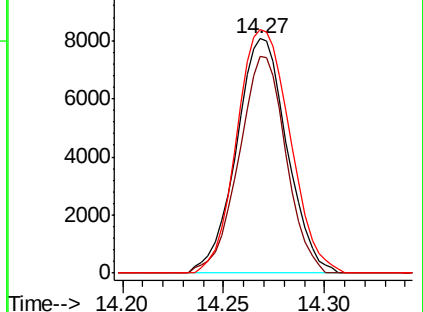
157 108.9 82.7 124.1

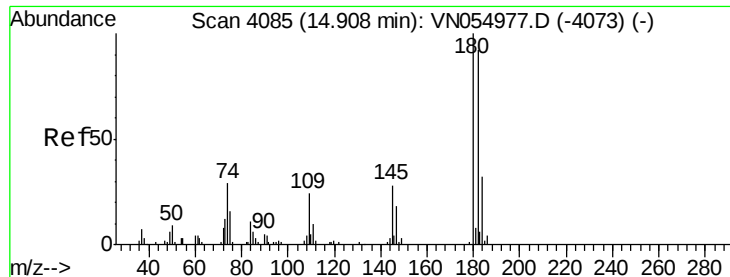


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

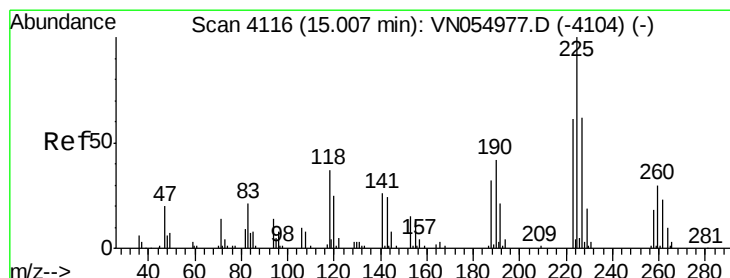
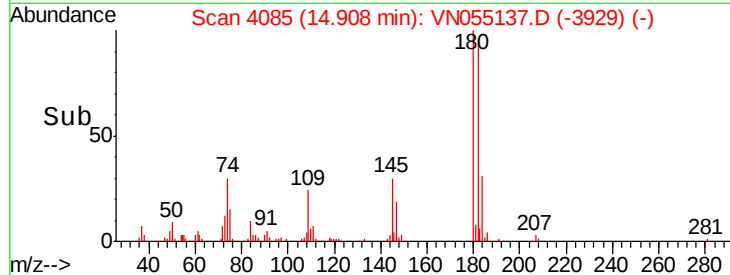
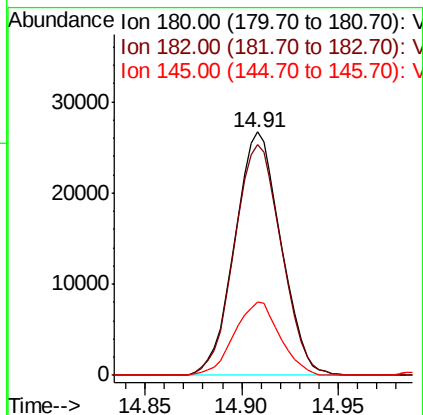
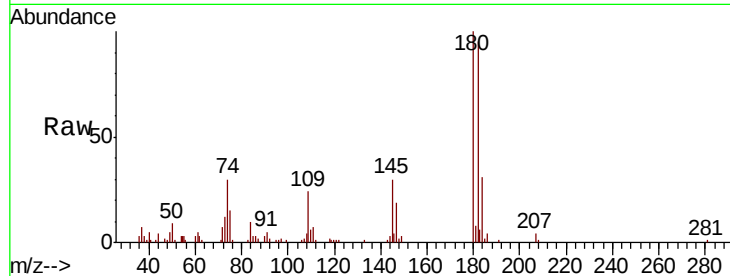




#89
 1,2,4-Trichlorobenzene
 Concen: 13.548 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

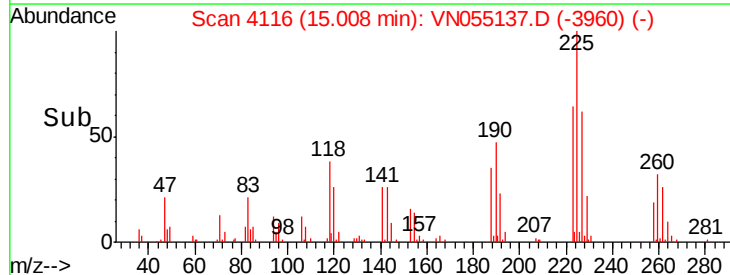
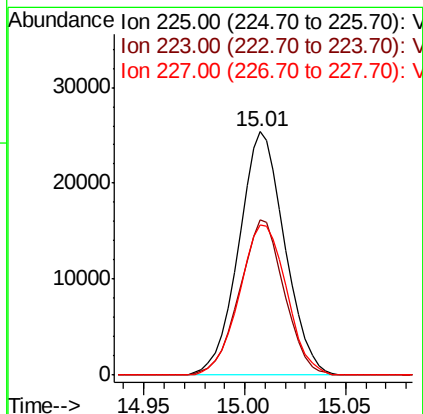
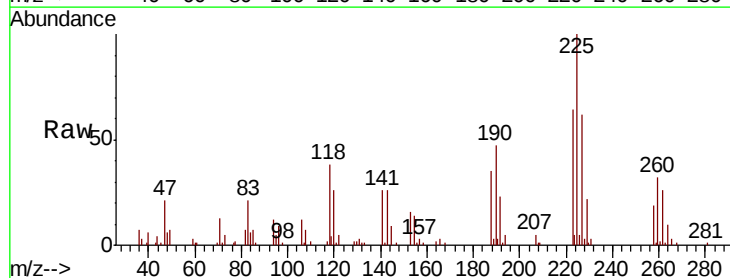
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0419WBS01

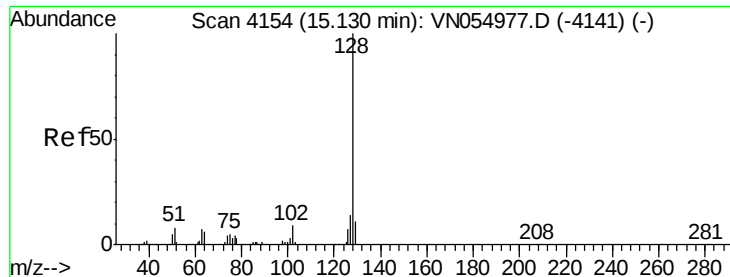
Tot Ion:180 Resp: 44248
 Ion Ratio Lower Upper
 180 100
 182 96.8 73.2 109.8
 145 29.6 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 16.970 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055137.D
 Acq: 19 Apr 2019 13:06

Tgt Ion:225 Resp: 40410
 Ion Ratio Lower Upper
 225 100
 223 62.1 0.0 126.0
 227 63.5 0.0 125.4





#91

Naphthalene

Concen: 16.185 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0419WBS01

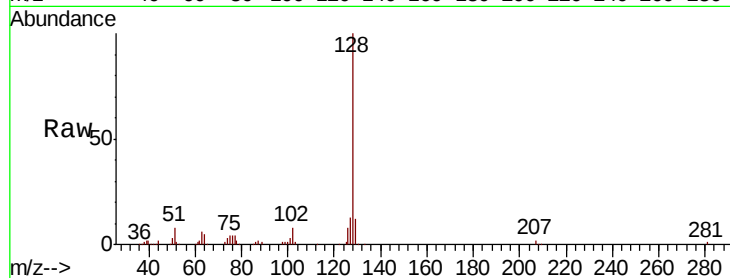
Tot Ion:128 Resp: 110686

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.4 9.0 13.6

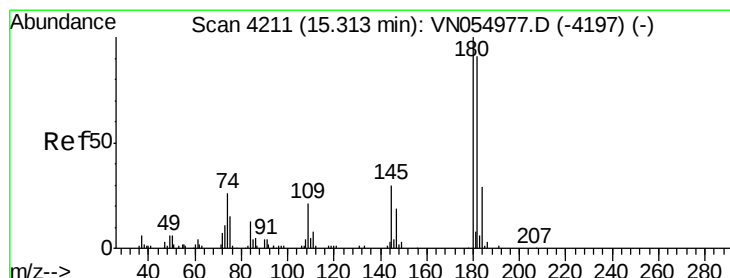
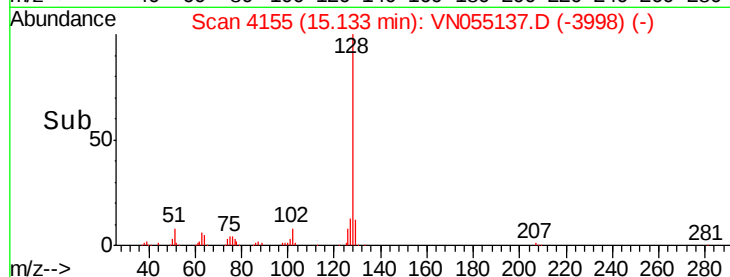
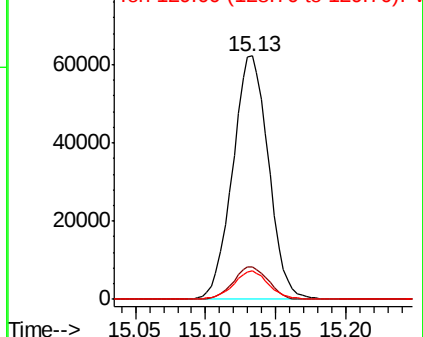


Abundance

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: 15.152 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055137.D

Acq: 19 Apr 2019 13:06

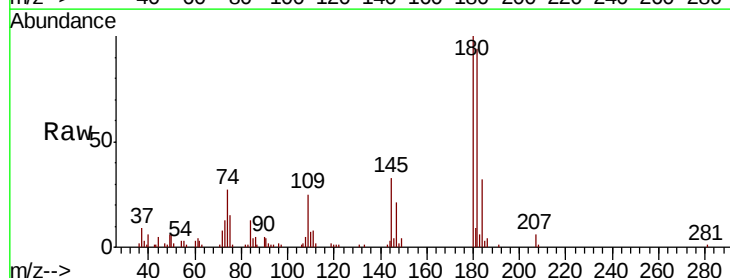
Tgt Ion:180 Resp: 49494

Ion Ratio Lower Upper

180 100

182 97.1 0.0 188.2

145 31.8 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

