

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055075.D
 Acq On : 16 Apr 2019 13:48
 Operator : JC/SP
 Sample : VN0416WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Quant Time: Apr 17 01:34:06 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	7.19	128	69319	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	374967	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	328733	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	158403	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	12.40	95	152897	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.09	98	474657	30.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	78967	19.369	ug/l 99
3) Chloromethane	2.06	50	112995	20.517	ug/l 98
4) Vinyl Chloride	2.19	62	91743	19.263	ug/l 96
5) Bromomethane	2.53	94	50381	18.289	ug/l 96
6) Chloroethane	2.69	64	52149	19.551	ug/l 99
7) Trichlorofluoromethane	3.01	101	116458	19.136	ug/l 95
8) Diethyl Ether	3.41	74	38801	19.857	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	62929	18.916	ug/l 98
10) 1,1-Dichloroethene	3.72	96	56214	18.276	ug/l 96
11) Methyl Iodide	3.94	142	114508	24.601	ug/l 93
12) Methyl Acetate	4.33	43	88551	23.406	ug/l 95
13) Acrolein	3.60	56	30957	93.366	ug/l 100
14) Acrylonitrile	4.99	53	167061	107.784	ug/l 97
15) Acetone	3.82	58	31875	83.107	ug/l 88
16) Carbon Disulfide	4.04	76	186915	18.117	ug/l 97
17) Allyl chloride	4.31	41	147051	19.414	ug/l 98
18) Methylene Chloride	4.54	84	91111	20.040	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	79212	19.784	ug/l 92
20) Diisopropyl ether	5.96	45	314564	20.500	ug/l 99
21) 1,1-Dichloroethane	5.84	63	165505	20.194	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	93299	20.048	ug/l 99
23) tert-Butyl Alcohol	4.82	59	21606	87.423	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	215944	20.909	ug/l # 64
25) Chloroform	7.37	83	158587	20.201	ug/l 98
26) Cyclohexane	7.65	56	146743	19.297	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	113877	19.501	ug/l 98
30) 2-Butanone	6.85	43	198743	102.528	ug/l 97
31) 2,2-Dichloropropane	6.82	77	104295	19.405	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	124790	20.217	ug/l 98
33) Carbon Tetrachloride	7.77	117	102866	19.249	ug/l 98
34) Benzene	8.04	78	350571	20.258	ug/l 99
35) Methacrylonitrile	7.17	41	53069	23.228	ug/l 92
36) 1,2-Dichloroethane	8.12	62	122266	20.672	ug/l 99
37) Trichloroethene	8.83	130	88785	20.125	ug/l 93
38) Methylcyclohexane	9.08	83	125702	18.562	ug/l 99
39) 1,2-Dichloropropane	9.12	63	99848	20.896	ug/l 98
40) Dibromomethane	9.21	93	55594	20.583	ug/l 95

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 Data File : VN055075.D
 Acq On : 16 Apr 2019 13:48
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 Sample : VN0416WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Quant Time: Apr 17 01:34:06 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	108266	19.423	ug/l	97
42) Vinyl Acetate	5.90	43	1025817	104.677	ug/l	100
43) Ethyl Acetate	6.94	43	84271	21.340	ug/l	98
44) Isopropyl Acetate	8.17	43	143589	21.456	ug/l	99
45) 1,4-Dioxane	9.21	88	9263	249.836	ug/l #	90
46) Methyl methacrylate	9.20	41	72404	20.914	ug/l	96
47) n-amyl Acetate	12.07	43	112113	22.745	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	100686	19.670	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	125409	19.846	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	79799	21.753	ug/l	99
51) Ethyl methacrylate	10.43	69	93070	21.283	ug/l	98
52) 1,3-Dichloropropane	10.71	76	137143	21.335	ug/l	98
53) Dibromochloromethane	10.90	129	74625	19.749	ug/l	98
54) 1,2-Dibromoethane	11.00	107	72282	20.988	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	179306	98.080	ug/l	99
56) Bromoform	12.13	173	45287	19.073	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	418970	110.517	ug/l	100
59) 2-Hexanone	10.75	43	260222	108.051	ug/l	99
61) Tetrachloroethene	10.63	164	86981	20.332	ug/l	96
62) Toluene	10.15	91	364927	20.147	ug/l	99
64) Chlorobenzene	11.43	112	224940	20.571	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	79536	20.451	ug/l	98
66) Ethyl Benzene	11.51	91	393501	20.266	ug/l	99
67) m/p-Xylenes	11.62	106	295990	41.012	ug/l	100
68) o-Xylene	11.95	106	148990	20.889	ug/l	98
69) Styrene	11.96	104	224129	20.237	ug/l	99
70) Isopropylbenzene	12.25	105	386233	20.254	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	94431	21.651	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	110889	30.786	ug/l	56
73) Bromobenzene	12.53	156	90979	20.185	ug/l	98
74) n-propylbenzene	12.59	91	430056	20.145	ug/l	99
75) 2-Chlorotoluene	12.67	91	266431	20.693	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	317009	20.562	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17681	19.474	ug/l	97
78) 4-Chlorotoluene	12.77	91	248603	20.264	ug/l	98
79) tert-butylbenzene	12.99	119	266822	20.002	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	311568	20.572	ug/l	98
81) sec-Butylbenzene	13.17	105	355248	19.930	ug/l	100
82) p-Isopropyltoluene	13.29	119	295802	19.664	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	153624	20.373	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	136537	19.055	ug/l	99
85) n-Butylbenzene	13.61	91	221959	18.523	ug/l	99
86) Hexachloroethane	13.87	117	45112	18.733	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	153289	20.758	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11619	20.044	ug/l	88
89) 1,2,4-Trichlorobenzene	14.91	180	57082	17.290	ug/l	96
90) Hexachlorobutadiene	15.01	225	47466	19.719	ug/l	98
91) Naphthalene	15.13	128	120918	17.491	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	57621	17.451	ug/l	97

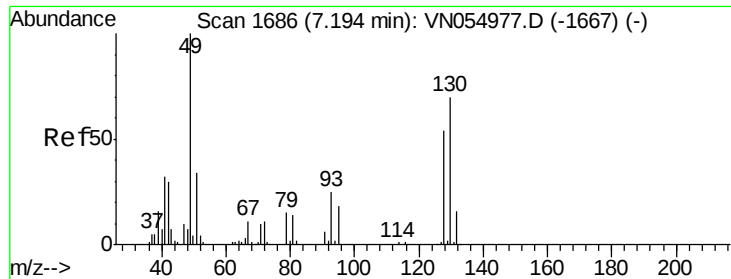
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
Data File : VN055075.D
Acq On : 16 Apr 2019 13:48
Operator : JC/SP
Sample : VN0416WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Quant Time: Apr 17 01:34:06 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0416WBS01

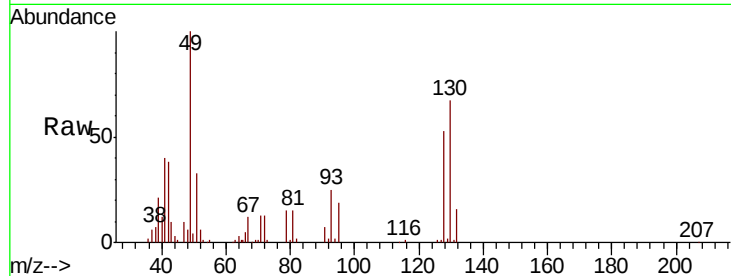
Tot Ion:128 Resp: 69319

Ion Ratio Lower Upper

128 100

49 189.0 0.0 480.3

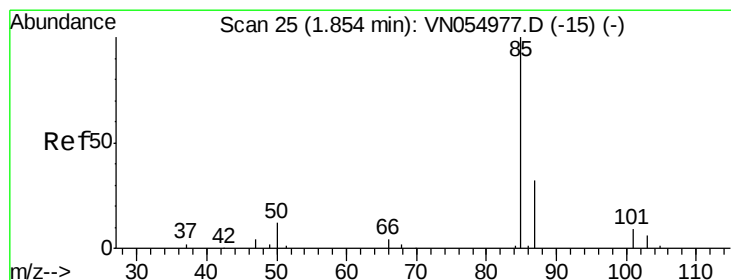
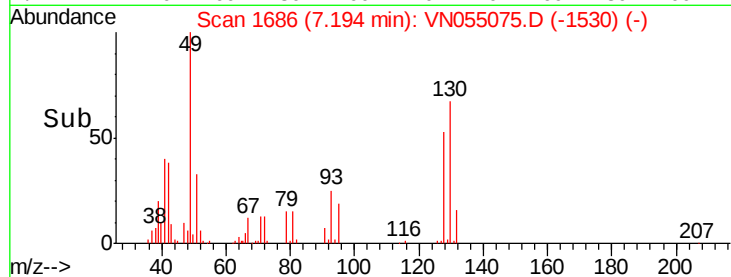
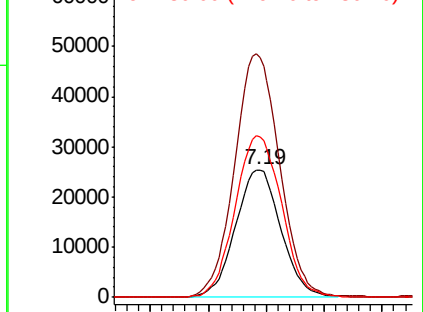
130 129.3 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.369 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055075.D

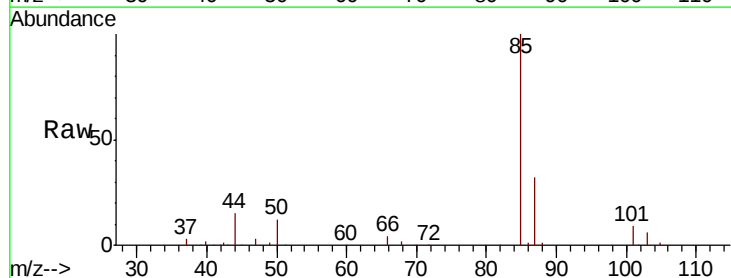
Acq: 16 Apr 2019 13:48

Tgt Ion: 85 Resp: 78967

Ion Ratio Lower Upper

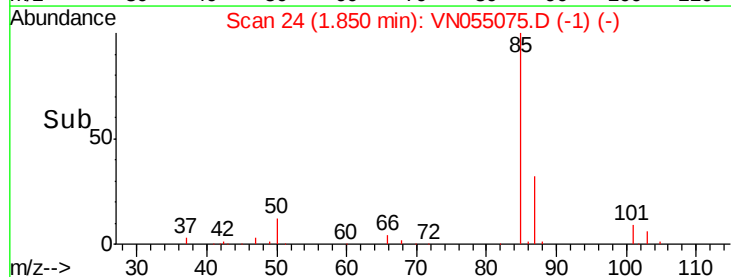
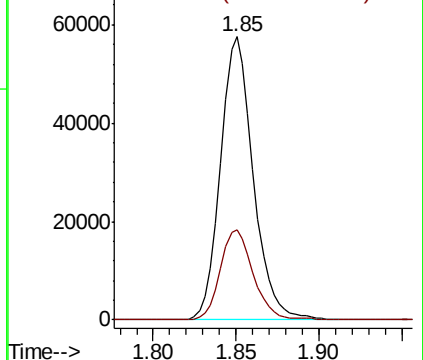
85 100

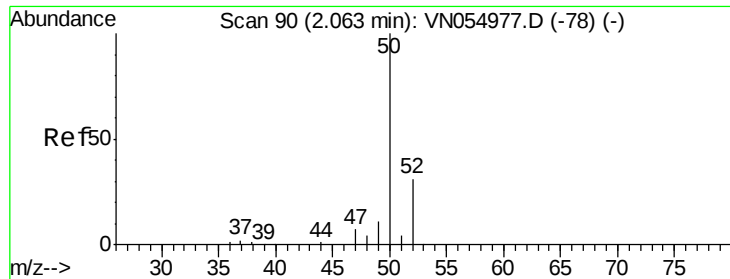
87 31.7 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.517 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

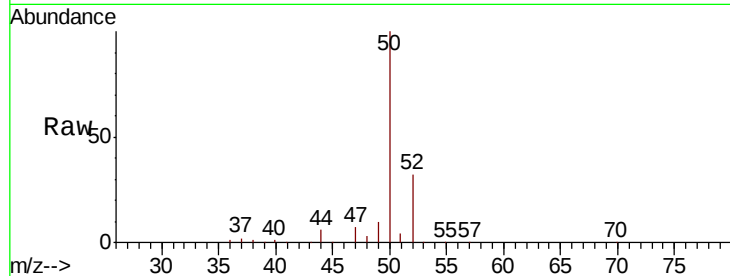
VN0416WBS01

Tot Ion: 50 Resp: 112995

Ion Ratio Lower Upper

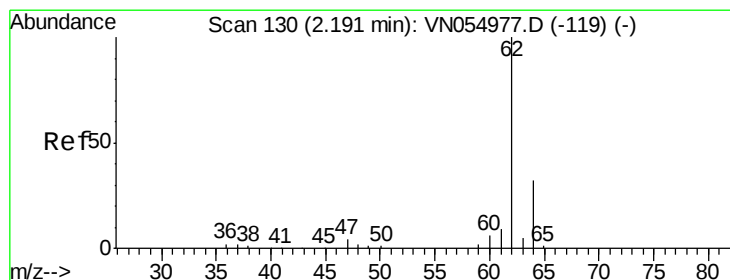
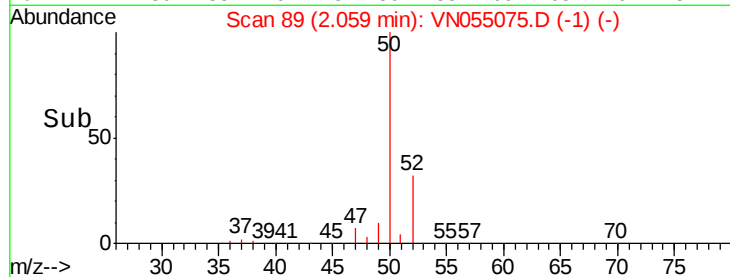
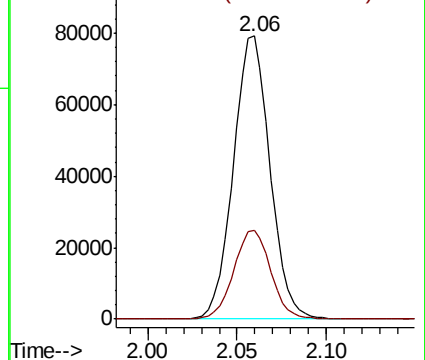
50 100

52 31.6 24.5 36.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.263 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055075.D

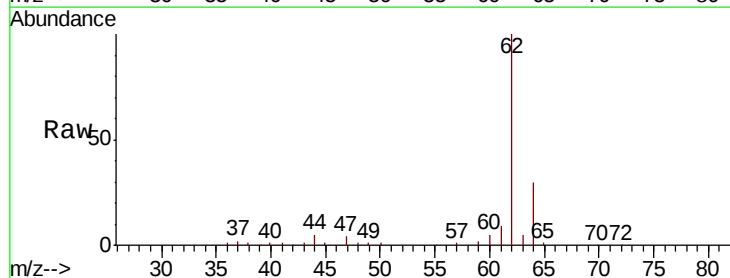
Acq: 16 Apr 2019 13:48

Tgt Ion: 62 Resp: 91743

Ion Ratio Lower Upper

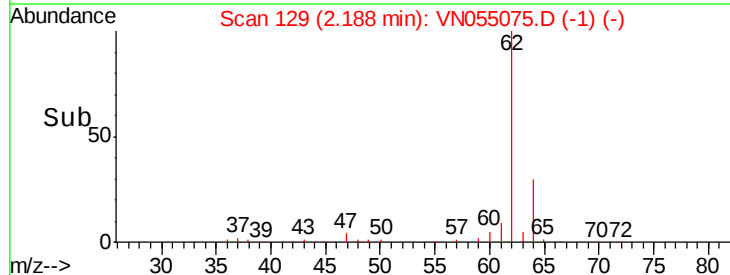
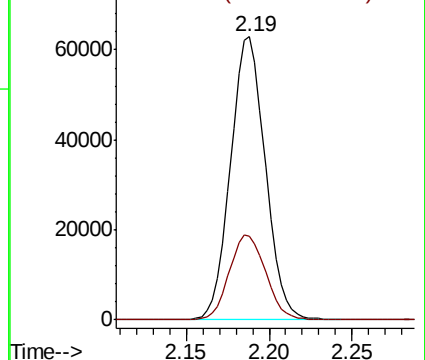
62 100

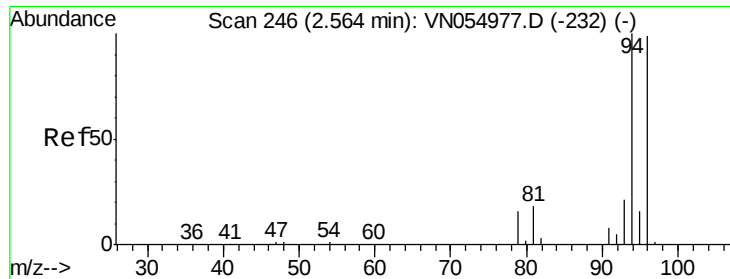
64 29.6 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 18.289 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.03 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

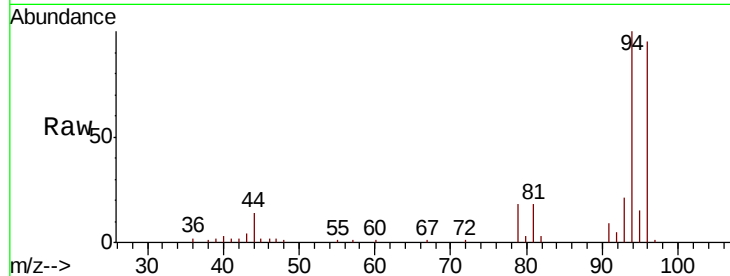
VN0416WBS01

Tot Ion: 94 Resp: 50381

Ion Ratio Lower Upper

94 100

96 94.7 79.1 118.7



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.53

25000

20000

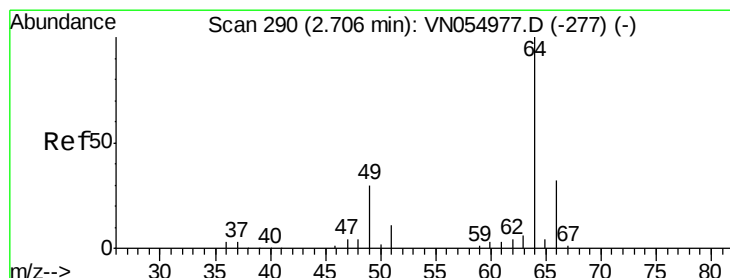
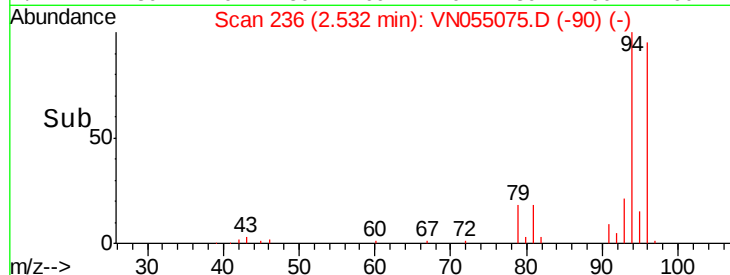
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 19.551 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.02 min

Lab File: VN055075.D

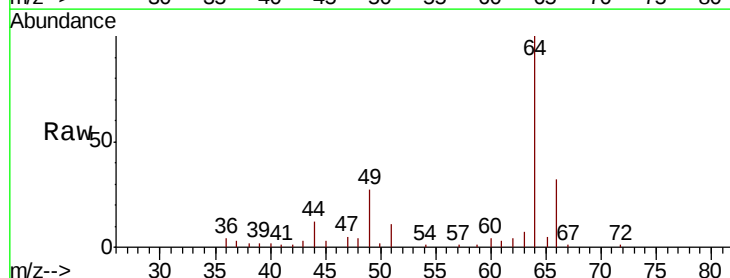
Acq: 16 Apr 2019 13:48

Tgt Ion: 64 Resp: 52149

Ion Ratio Lower Upper

64 100

66 31.6 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

30000

25000

20000

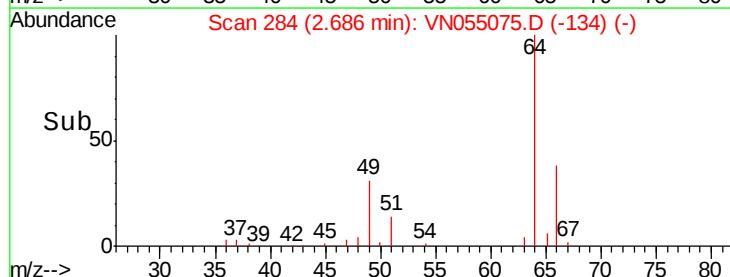
15000

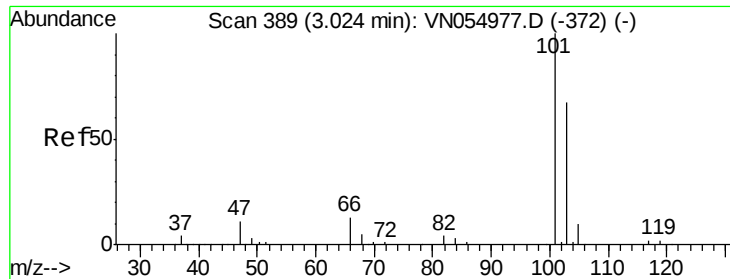
10000

5000

0

Time--> 2.60 2.65 2.70 2.75



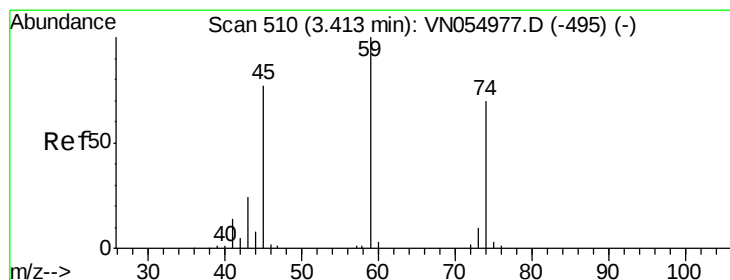
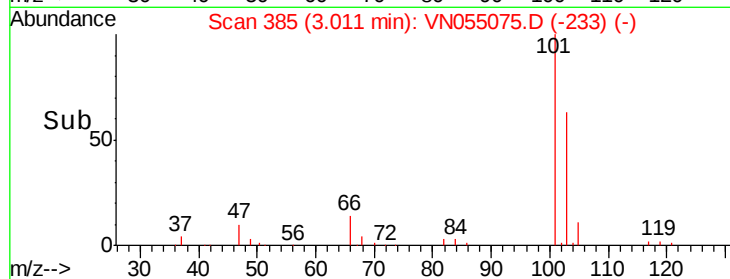
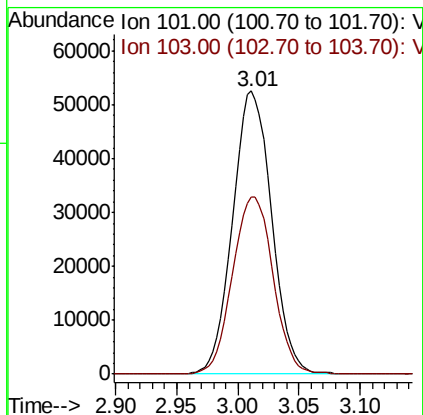
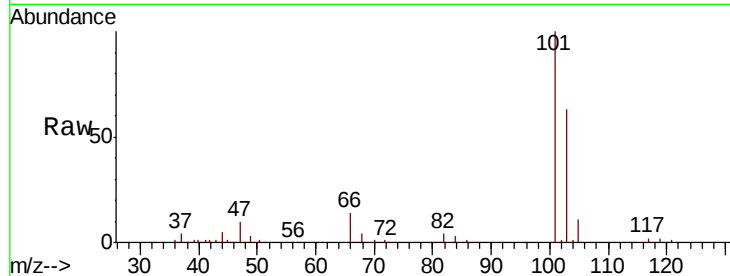


#7

Trichlorofluoromethane
 Concen: 19.136 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

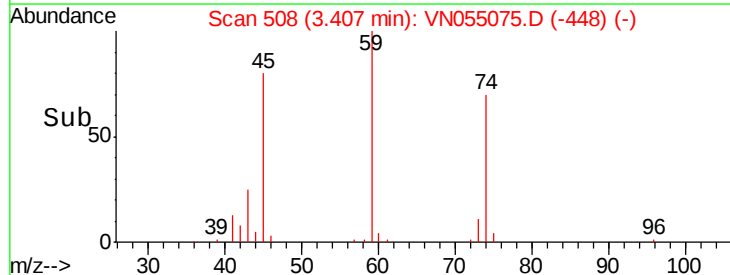
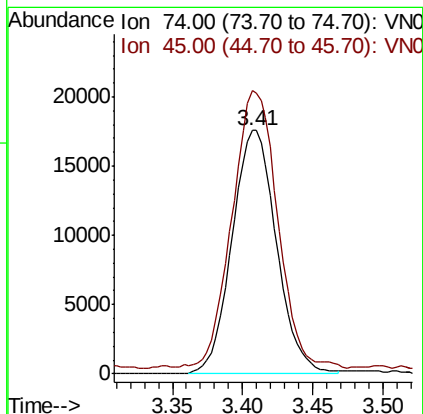
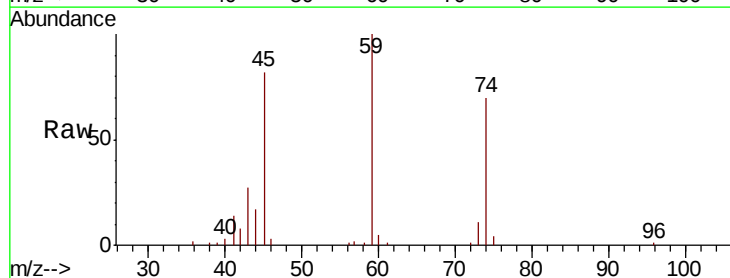
Tot Ion:101 Resp: 116458
 Ion Ratio Lower Upper
 101 100
 103 62.7 53.4 80.0

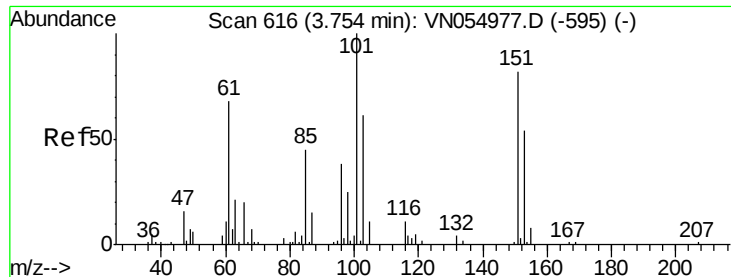


#8

Diethyl Ether
 Concen: 19.857 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 74 Resp: 38801
 Ion Ratio Lower Upper
 74 100
 45 113.4 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.916 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.01 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

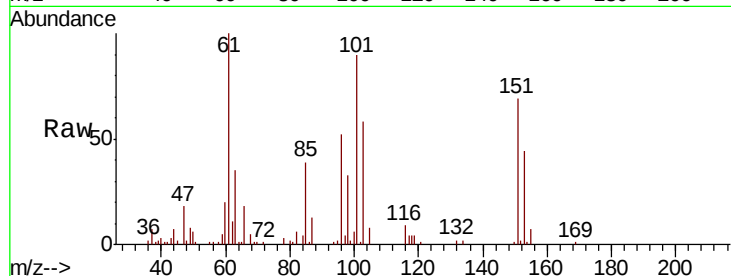
Tot Ion:101 Resp: 62929

Ion Ratio Lower Upper

101 100

85 47.4 0.0 91.4

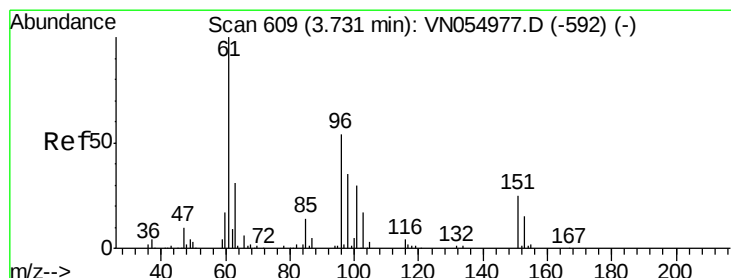
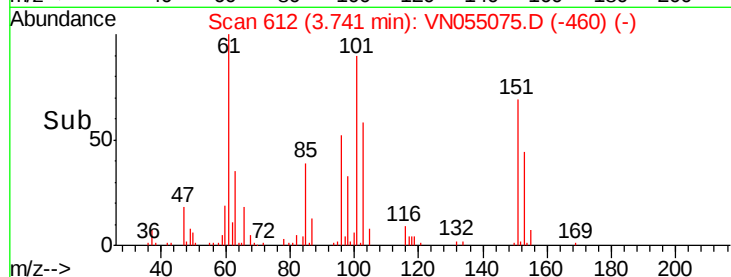
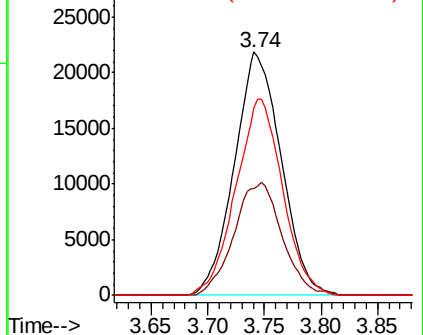
151 80.6 0.0 165.6



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: 18.276 ug/l

RT: 3.72 min Scan# 607

Delta R.T. -0.01 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

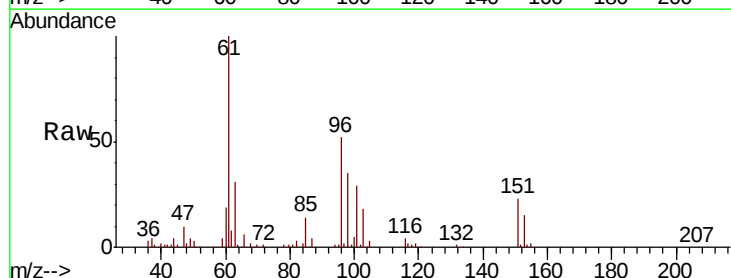
Tgt Ion: 96 Resp: 56214

Ion Ratio Lower Upper

96 100

61 190.8 148.4 222.6

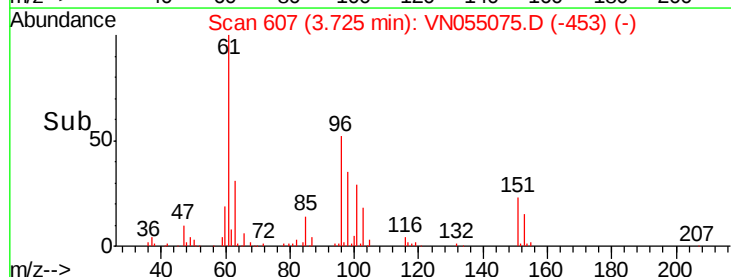
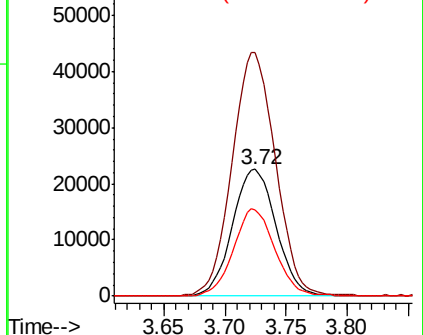
98 68.0 52.2 78.2

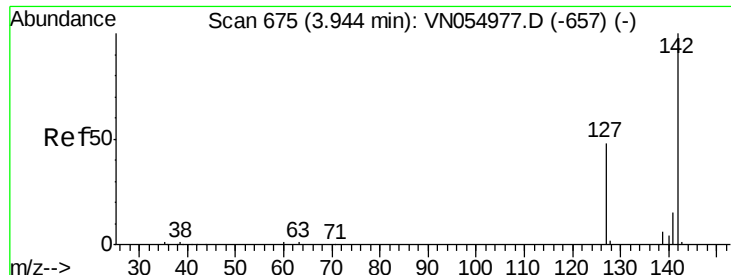


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

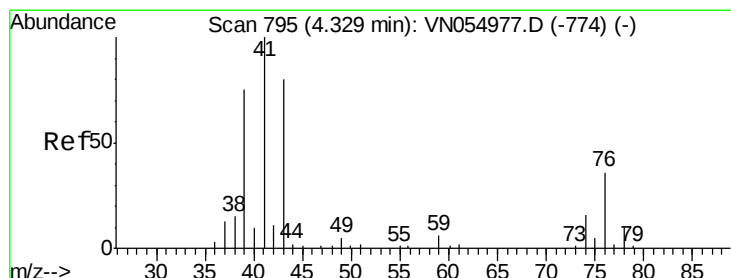
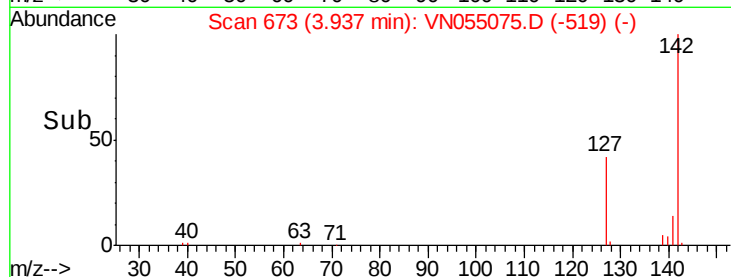
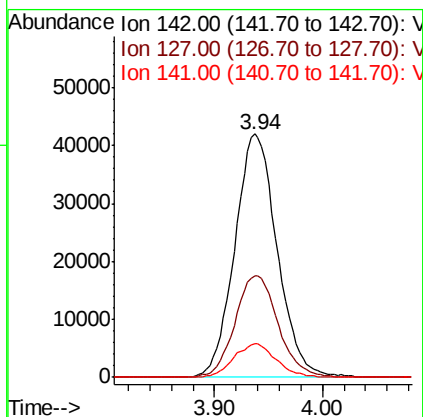
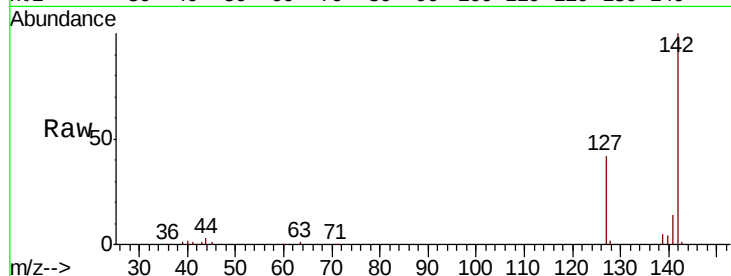




#11
Methyl Iodide
Concen: 24.601 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

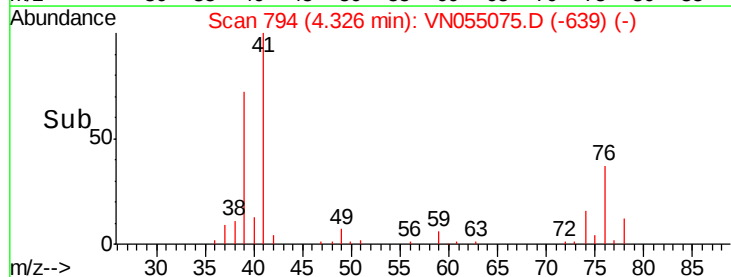
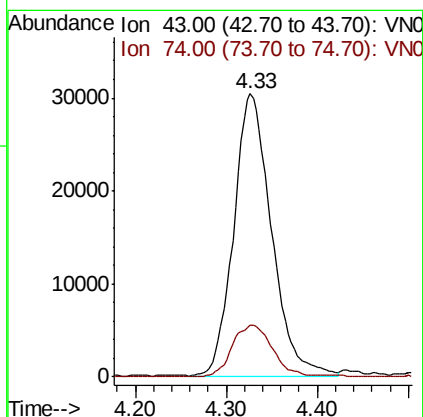
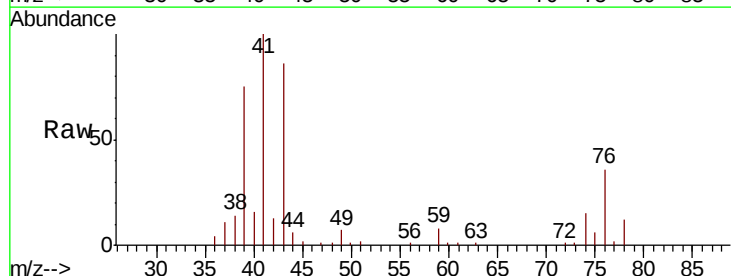
Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

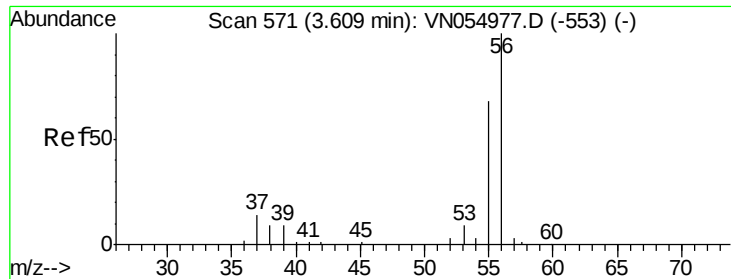
Tot Ion:142 Resp: 114508
Ion Ratio Lower Upper
142 100
127 41.8 23.8 71.5
141 14.2 7.3 22.0



#12
Methyl Acetate
Concen: 23.406 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 43 Resp: 88551
Ion Ratio Lower Upper
43 100
74 17.9 16.2 24.4





#13

Acrolein

Concen: 93.366 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

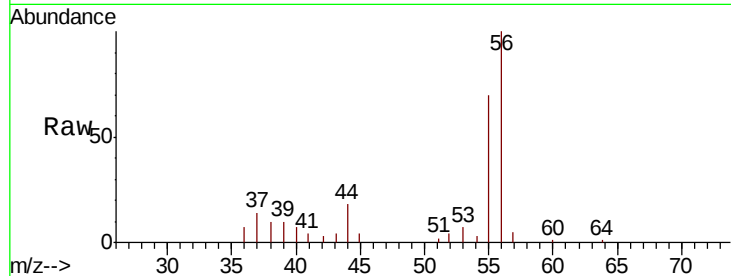
VN0416WBS01

Tot Ion: 56 Resp: 30957

Ion Ratio Lower Upper

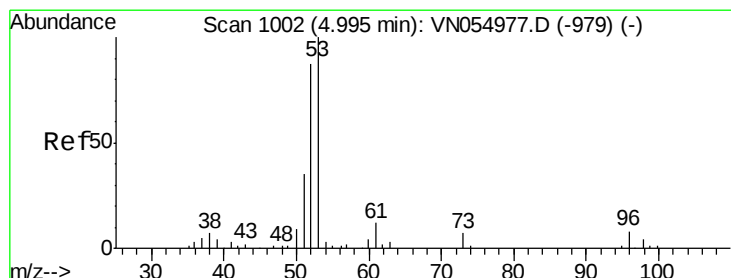
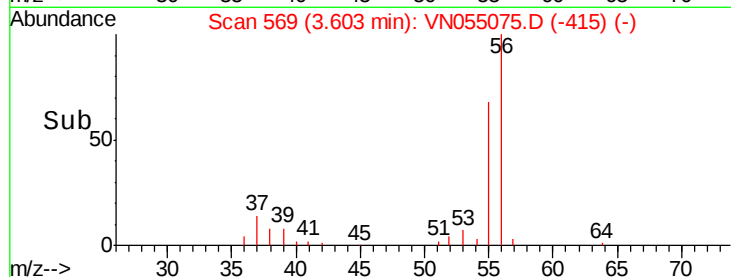
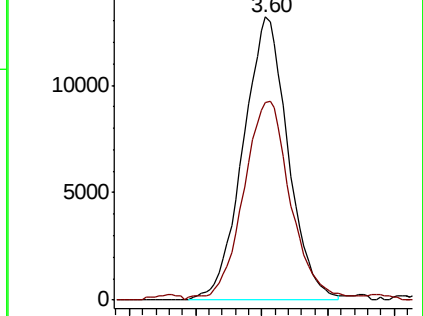
56 100

55 70.8 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: 107.784 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

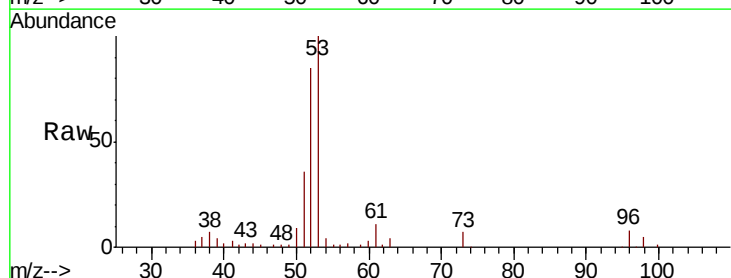
Tgt Ion: 53 Resp: 167061

Ion Ratio Lower Upper

53 100

52 81.4 42.3 126.8

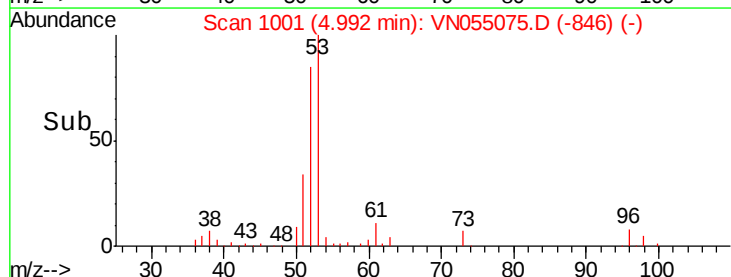
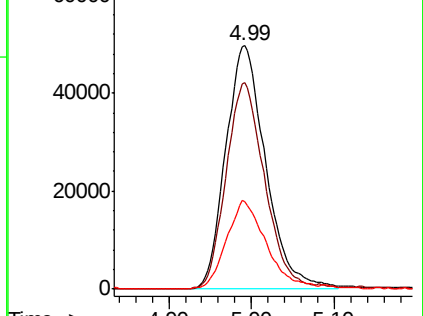
51 36.1 18.6 56.0

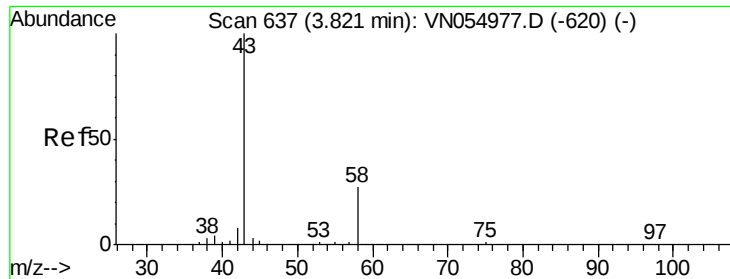


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 83.107 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

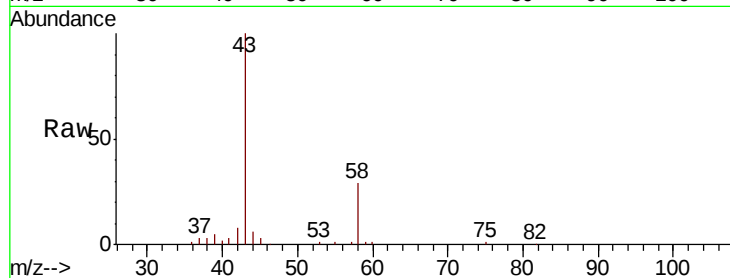
VN0416WBS01

Tot Ion: 58 Resp: 31875

Ion Ratio Lower Upper

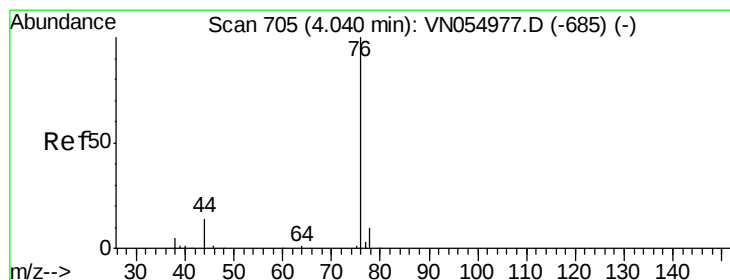
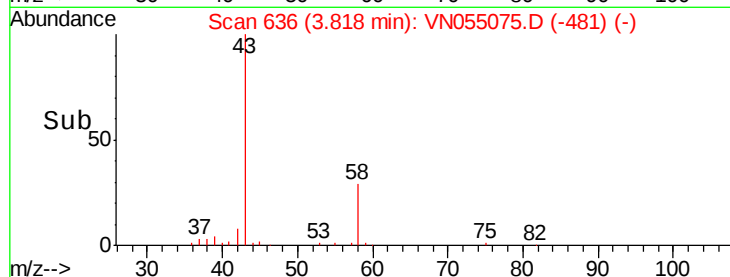
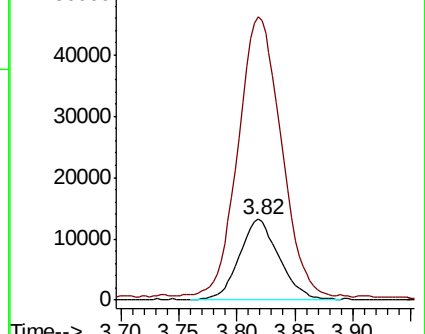
58 100

43 344.1 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.117 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055075.D

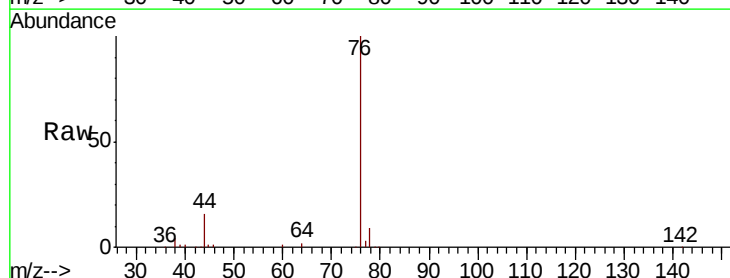
Acq: 16 Apr 2019 13:48

Tgt Ion: 76 Resp: 186915

Ion Ratio Lower Upper

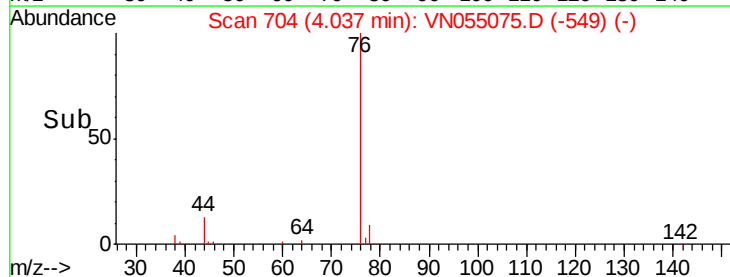
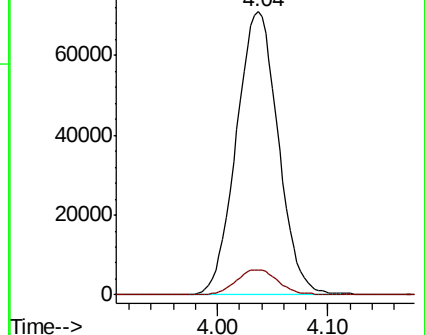
76 100

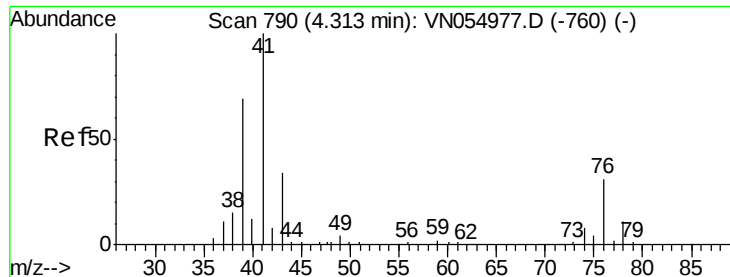
78 8.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

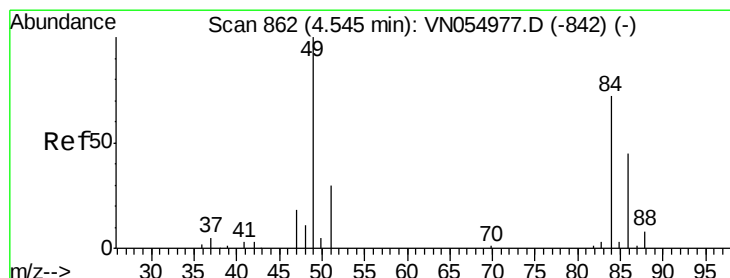
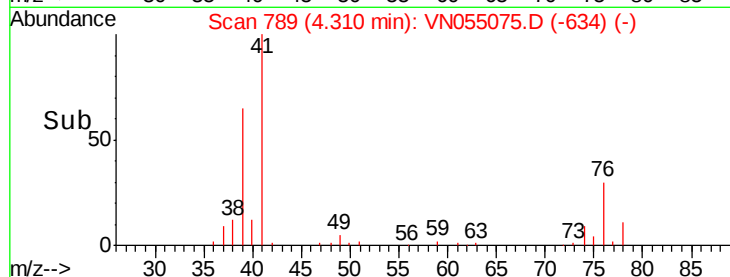
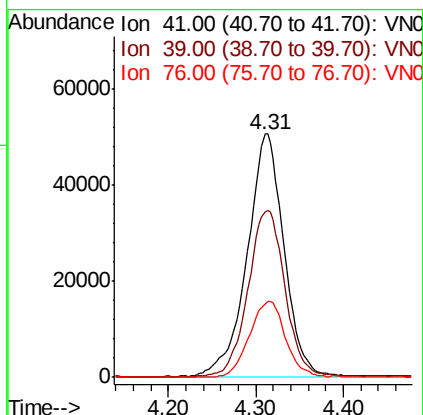
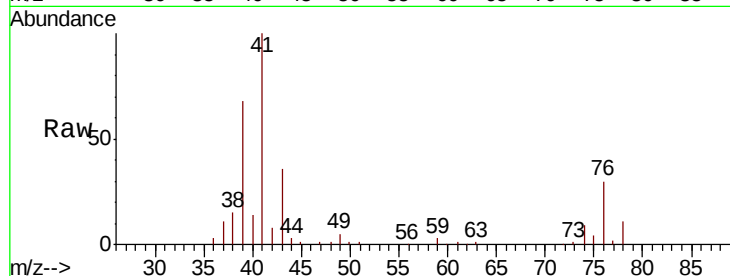




#17
Allvl chloride
Concen: 19.414 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

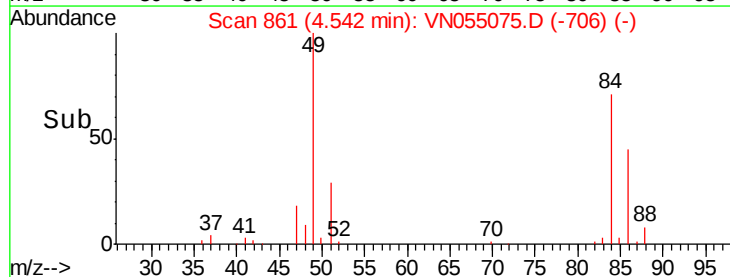
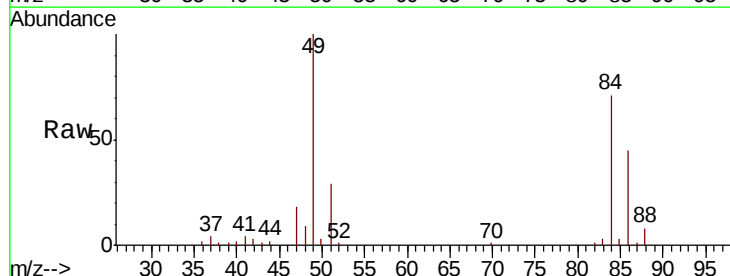
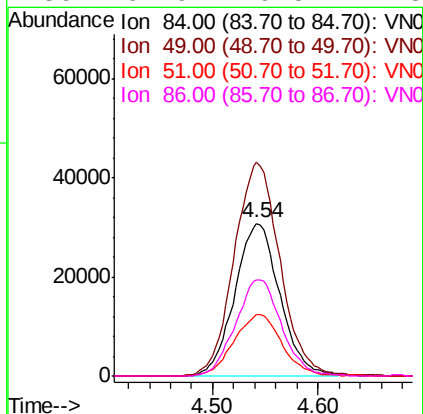
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

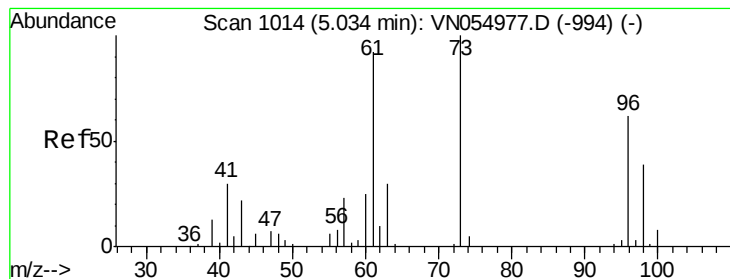
Tot Ion: 41 Resp: 147051
Ion Ratio Lower Upper
41 100
39 67.6 34.3 102.9
76 30.0 15.8 47.3



#18
Methylene Chloride
Concen: 20.040 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 84 Resp: 91111
Ion Ratio Lower Upper
84 100
49 139.4 111.0 166.4
51 39.7 33.4 50.2
86 62.9 49.5 74.3





#19

trans-1,2-Dichloroethene

Concen: 19.784 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0416WBS01

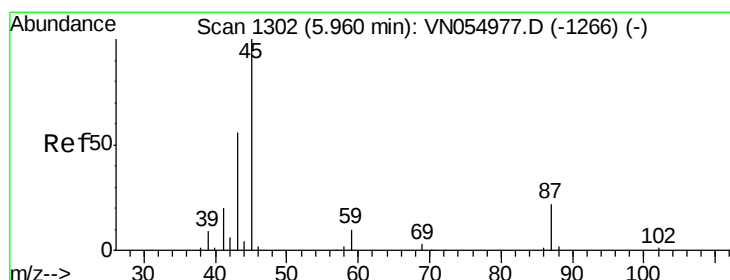
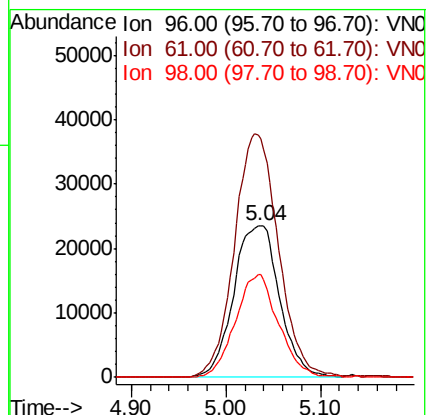
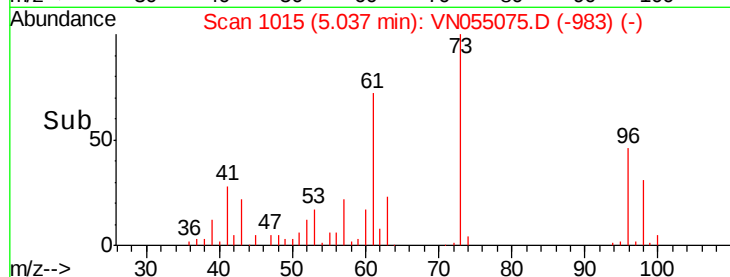
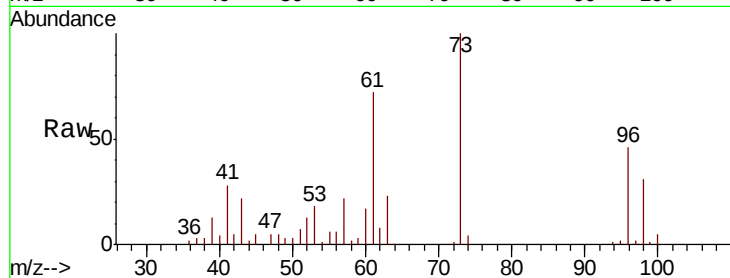
Tot Ion: 96 Resp: 79212

Ion Ratio Lower Upper

96 100

61 157.1 117.2 175.8

98 68.0 49.4 74.2



#20

Diisopropyl ether

Concen: 20.500 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Tgt Ion: 45 Resp: 314564

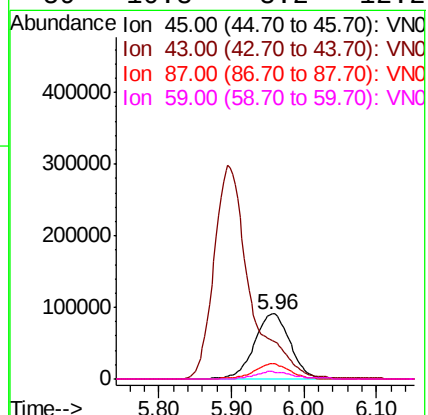
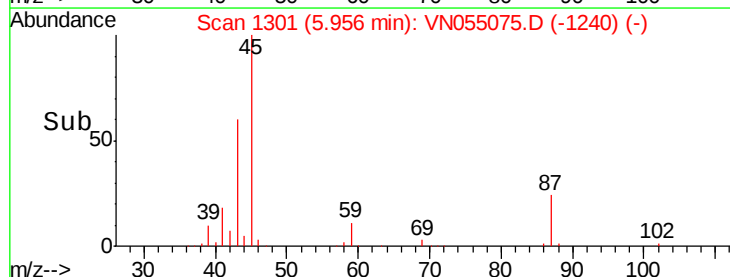
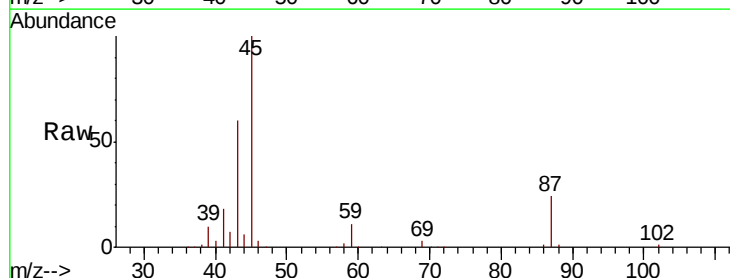
Ion Ratio Lower Upper

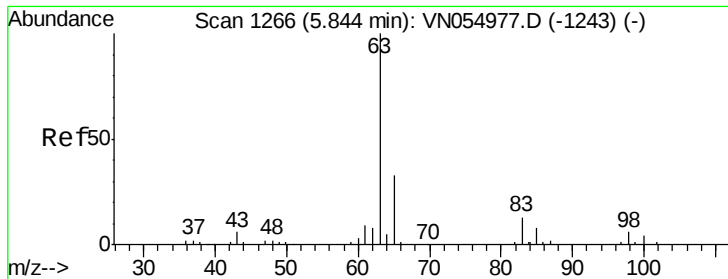
45 100

43 57.7 45.8 68.8

87 23.5 18.2 27.4

59 10.8 8.2 12.2

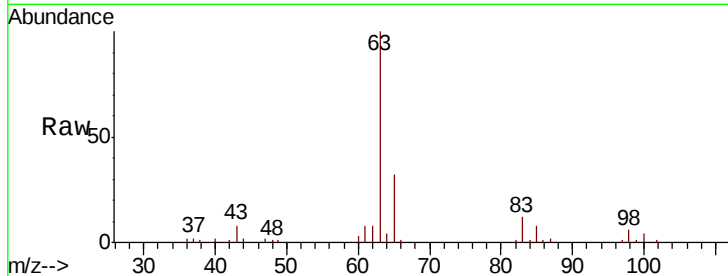




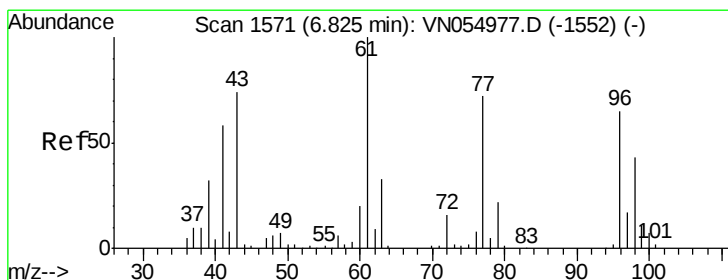
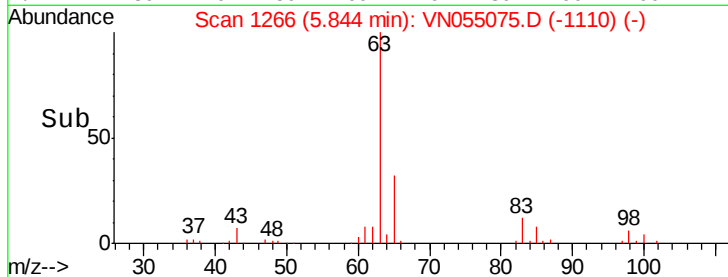
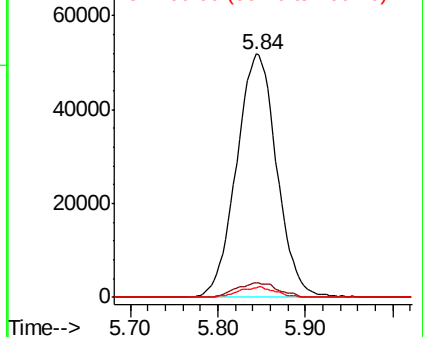
#21
 1,1-Dichloroethane
 Concen: 20.194 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0416WBS01

Tot Ion: 63 Resp: 165505
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 4.0 2.0 5.8

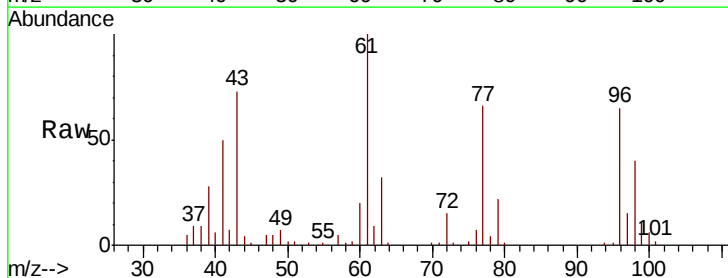


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

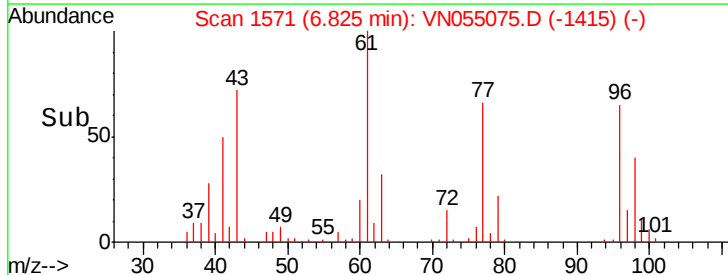
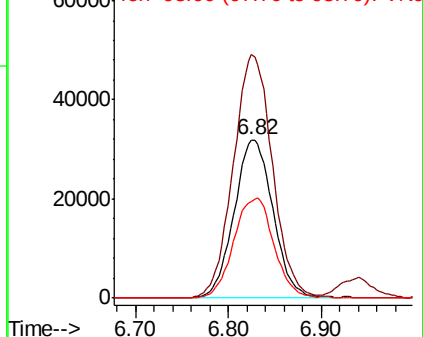


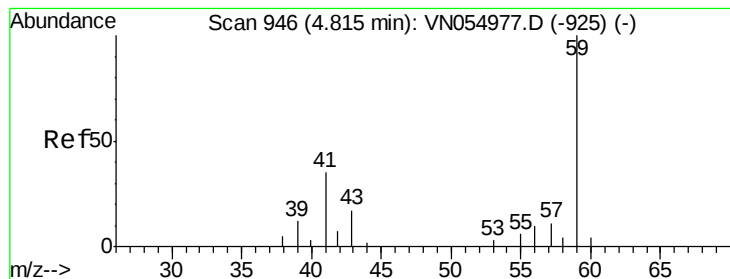
#22
 cis-1,2-Dichloroethene
 Concen: 20.048 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 96 Resp: 93299
 Ion Ratio Lower Upper
 96 100
 61 154.3 125.0 187.6
 98 64.8 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: 87.423 ug/l

RT: 4.82 min Scan# 949

Delta R.T. 0.01 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

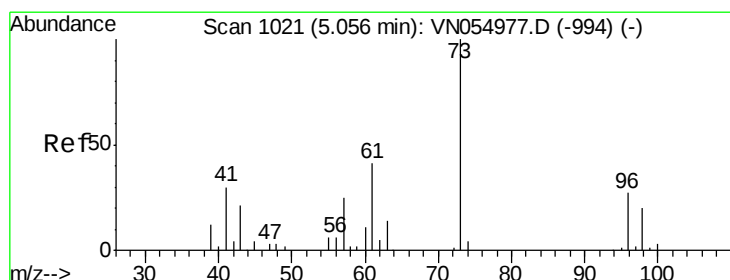
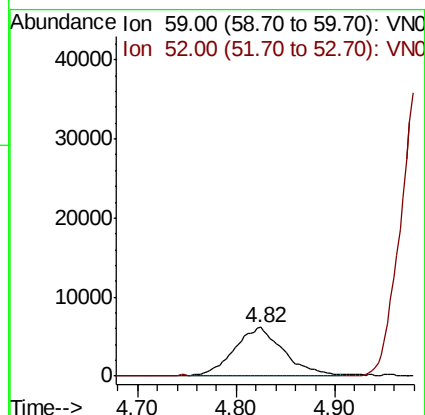
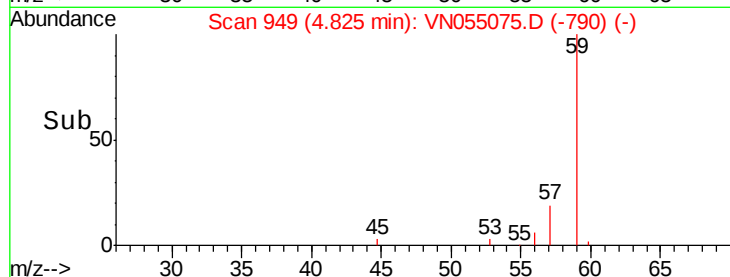
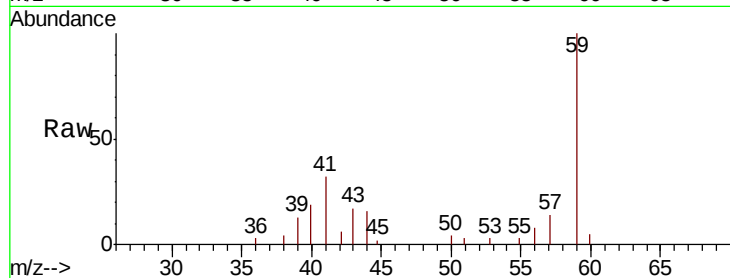
VN0416WBS01

Tot Ion: 59 Resp: 21606

Ion Ratio Lower Upper

59 100

52 0.3 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 20.909 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VN055075.D

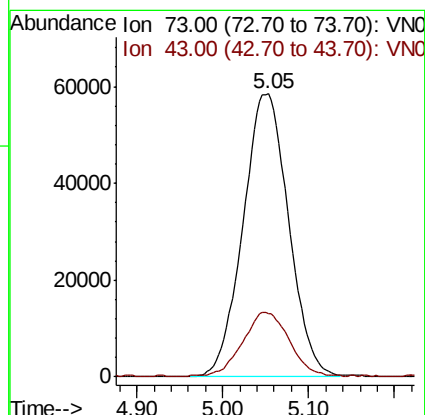
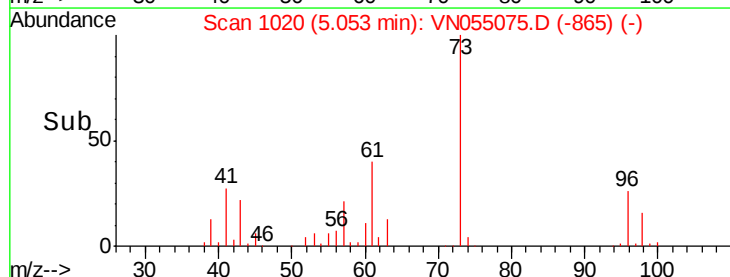
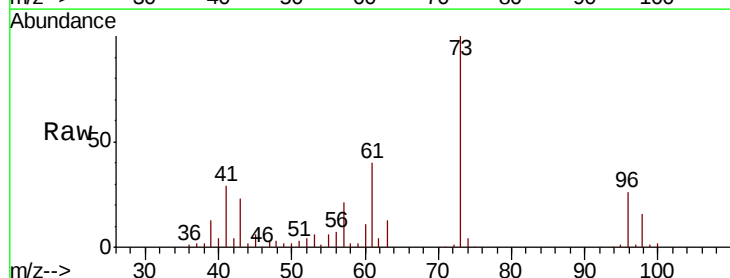
Acq: 16 Apr 2019 13:48

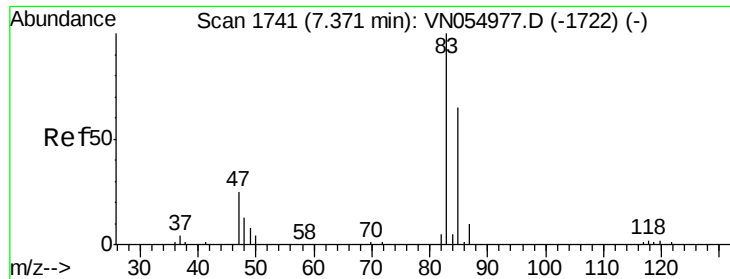
Tgt Ion: 73 Resp: 215944

Ion Ratio Lower Upper

73 100

43 23.5 8.0 12.0#

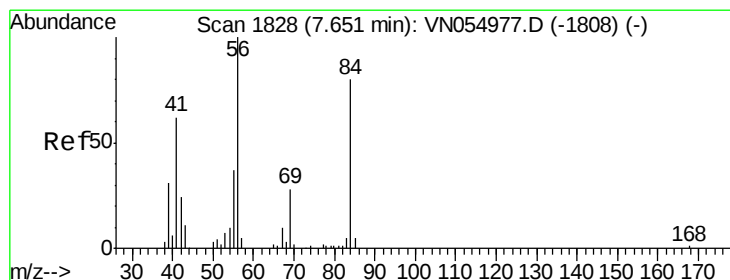
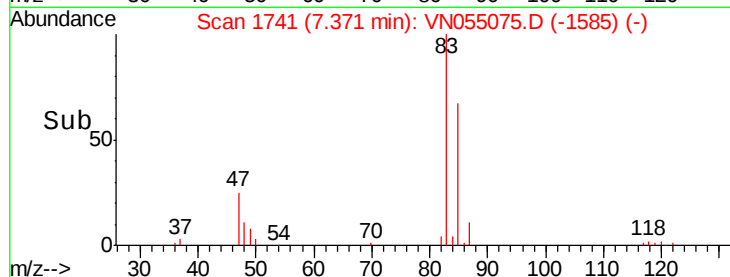
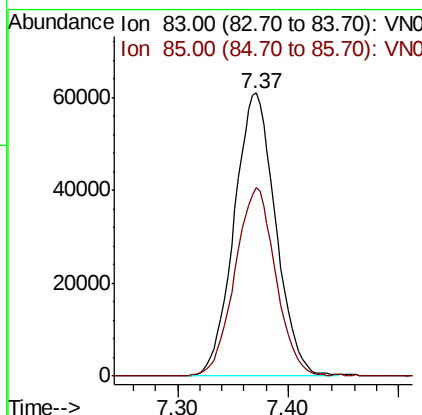
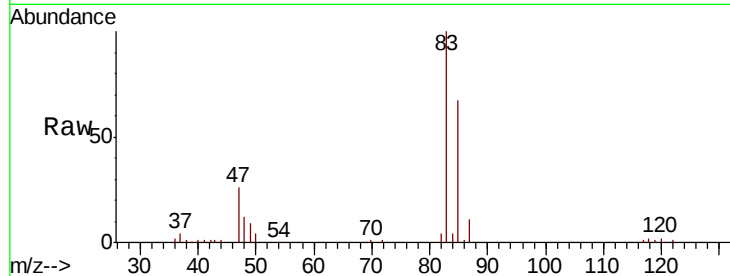




#25
Chloroform
Concen: 20.201 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

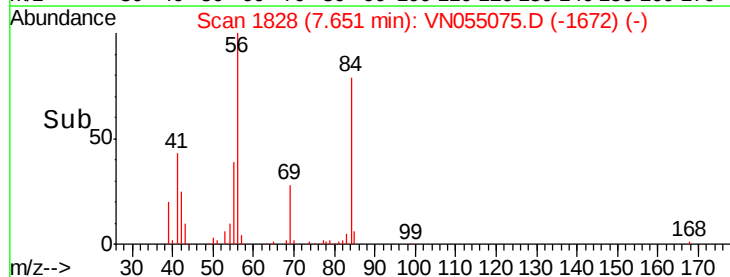
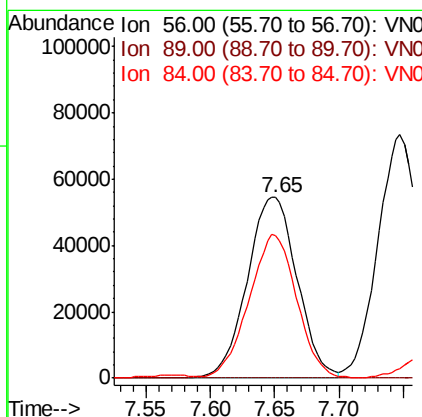
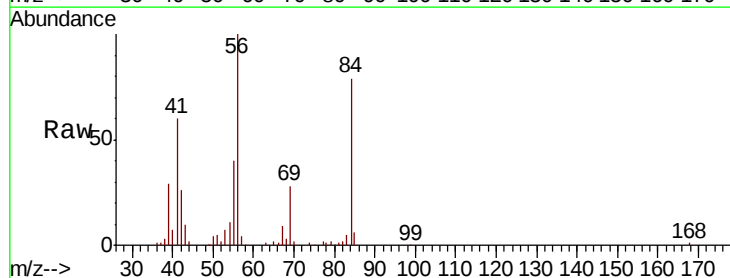
Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

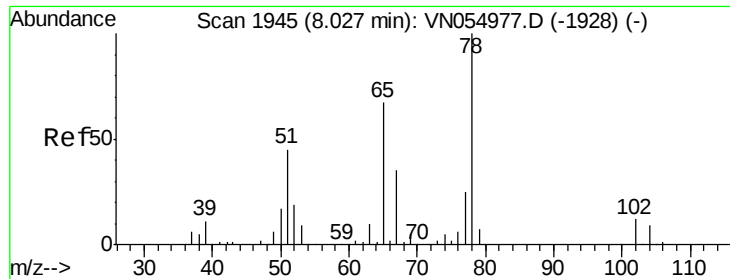
Tot Ion: 83 Resp: 158587
Ion Ratio Lower Upper
83 100
85 66.5 51.8 77.8



#26
Cyclohexane
Concen: 19.297 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 56 Resp: 146743
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 75.5 63.5 95.3

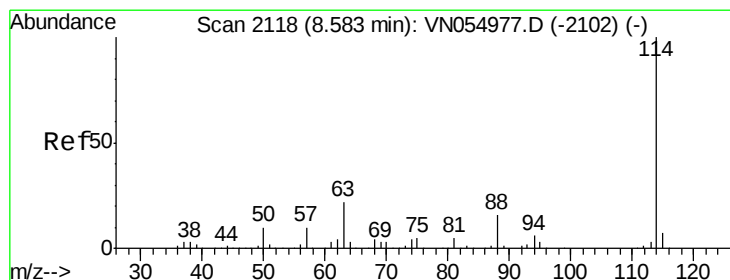
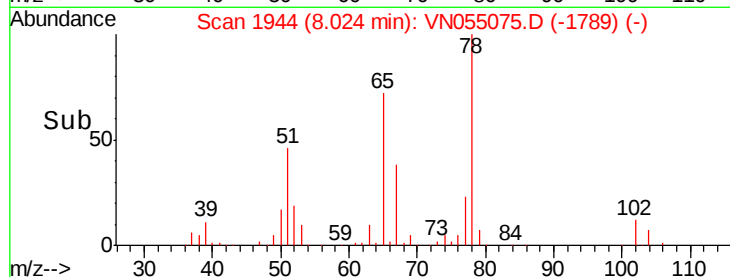
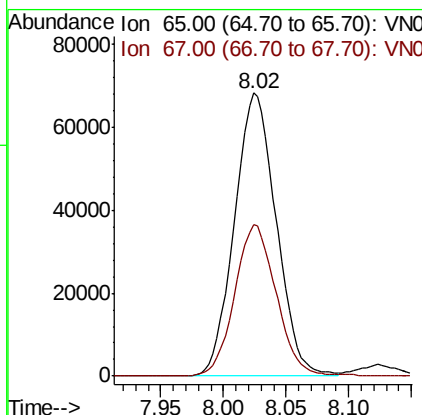
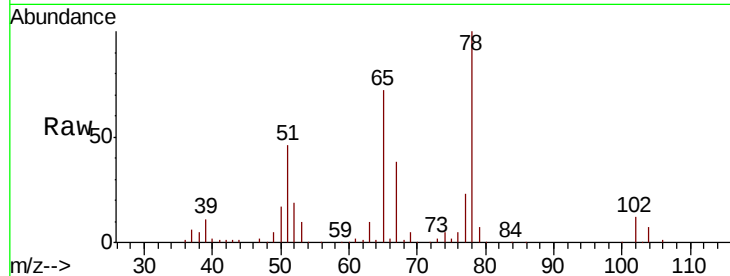




#27
 1,2-Dichloroethane-d4
 Concen: 19.297 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

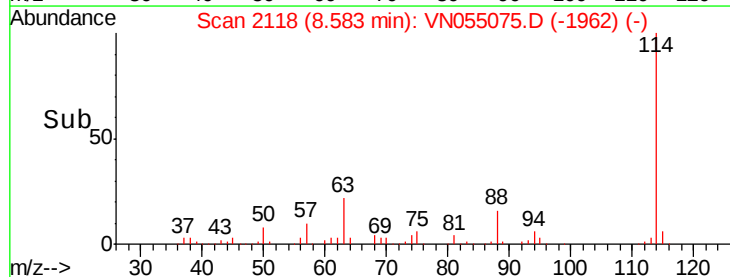
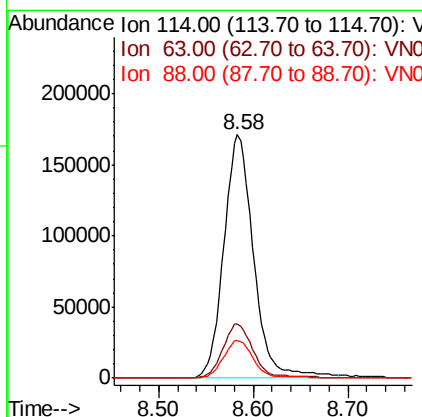
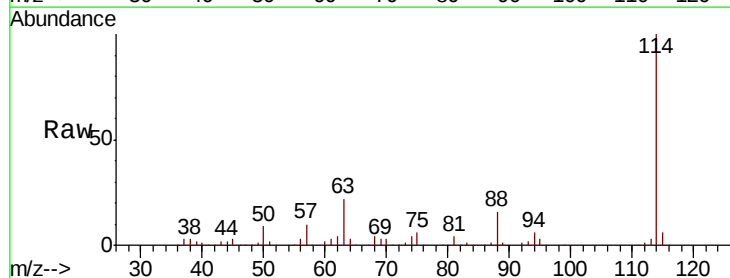
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

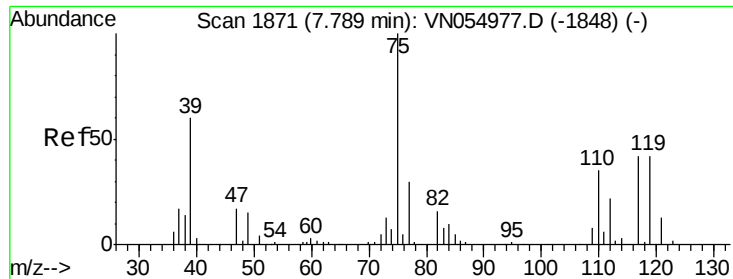
Tot Ion: 65 Resp: 158403
 Ion Ratio Lower Upper
 65 100
 67 52.7 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 114 Resp: 374967
 Ion Ratio Lower Upper
 114 100
 63 22.8 17.0 25.4
 88 15.4 12.3 18.5

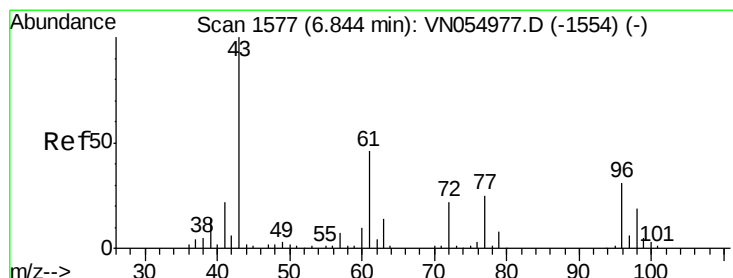
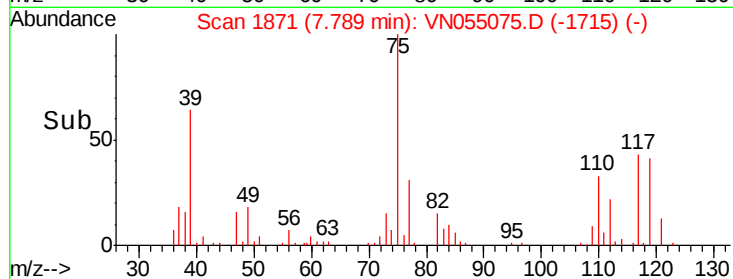
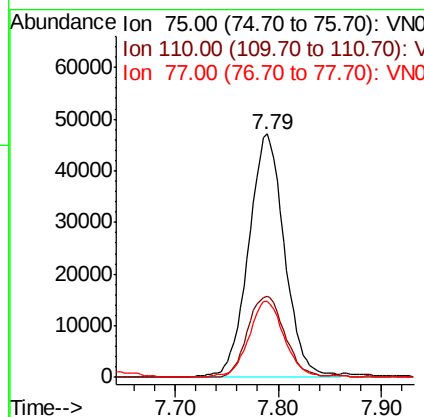
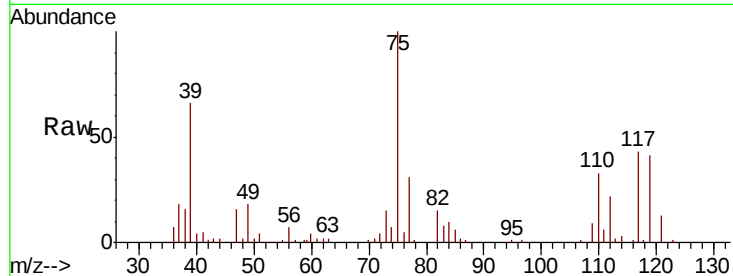




#29
 1,1-Dichloropropene
 Concen: 19.501 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

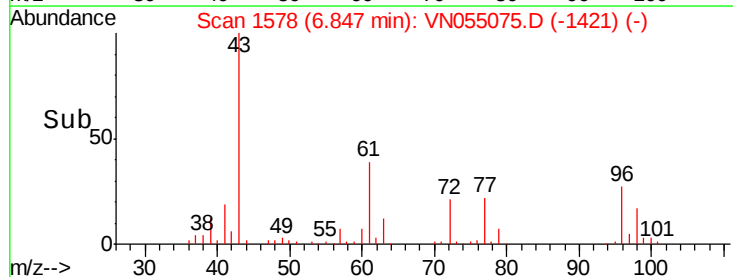
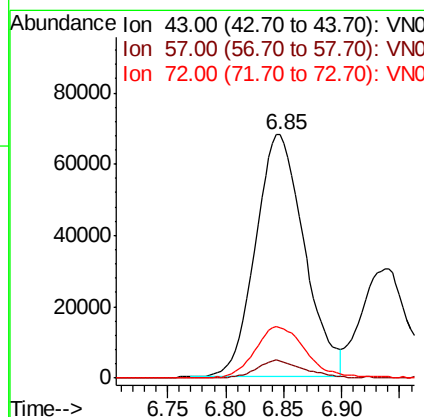
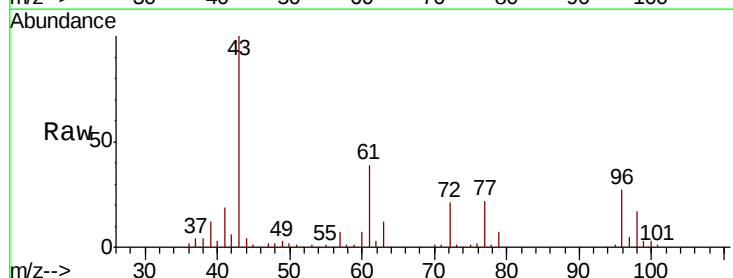
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

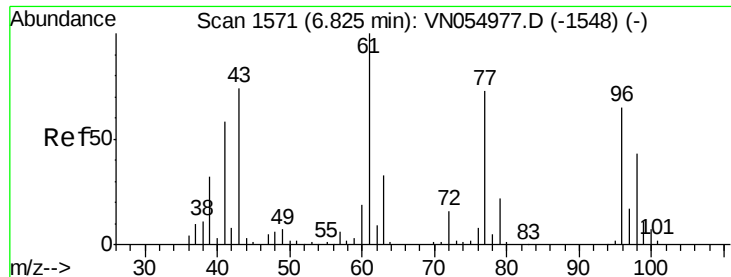
Tot Ion	Ratio	Lower	Upper
75	100		
110	34.4	0.0	68.4
77	30.9	0.0	58.6



#30
 2-Butanone
 Concen: 102.528 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.1	6.0	9.0
72	21.4	18.6	27.8

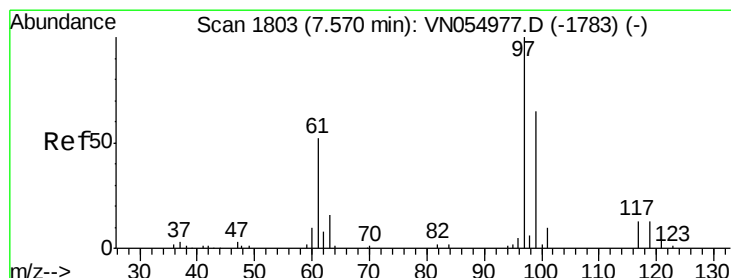
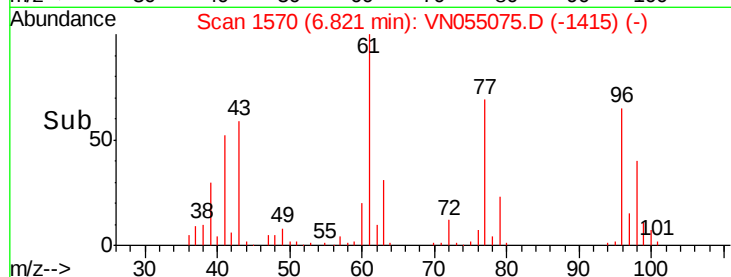
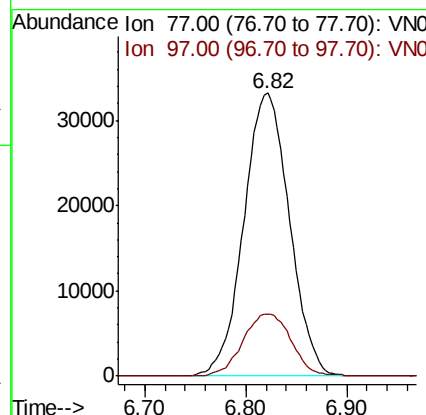
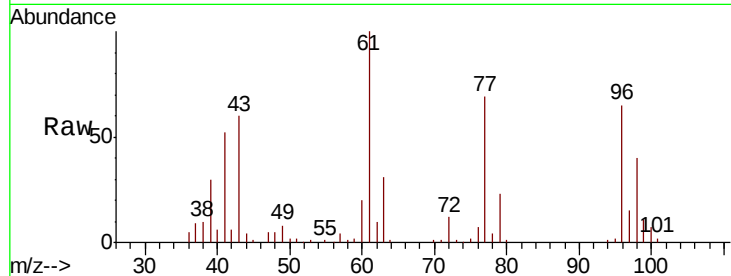




#31
 2,2-Dichloropropane
 Concen: 19.405 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

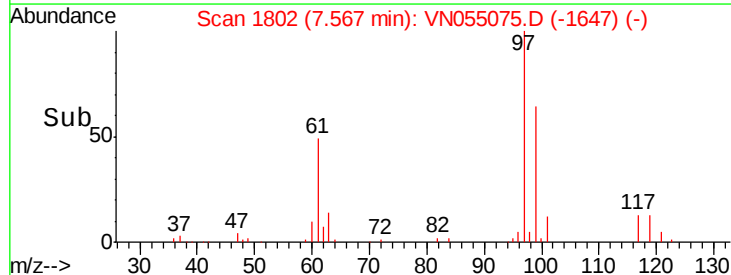
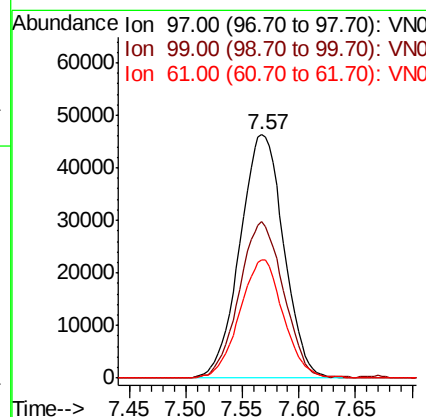
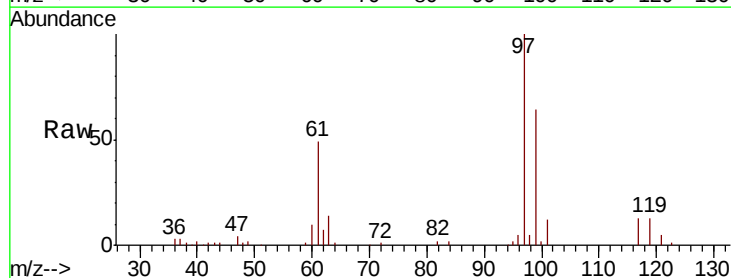
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

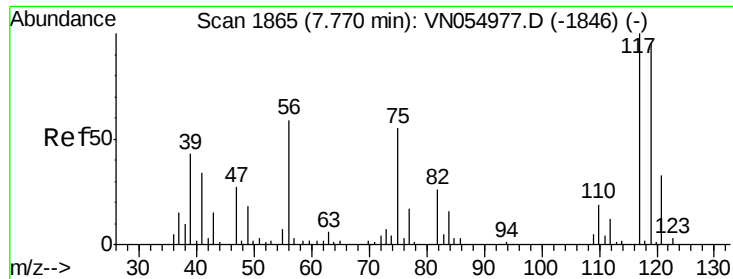
Tot Ion: 77 Resp: 104295
 Ion Ratio Lower Upper
 77 100
 97 23.1 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 20.217 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 97 Resp: 124790
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.2 76.8
 61 48.2 40.6 60.8

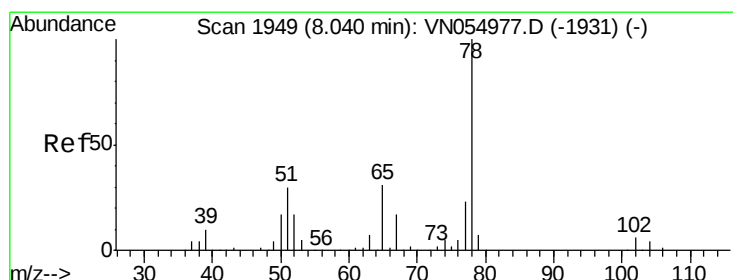
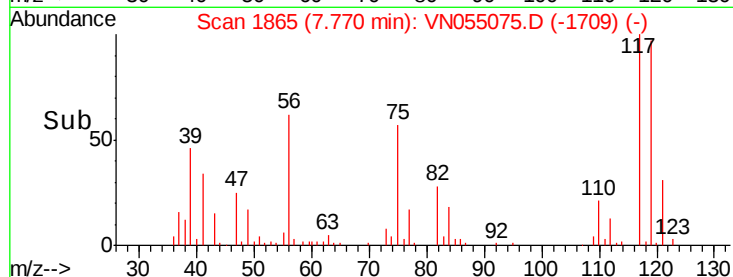
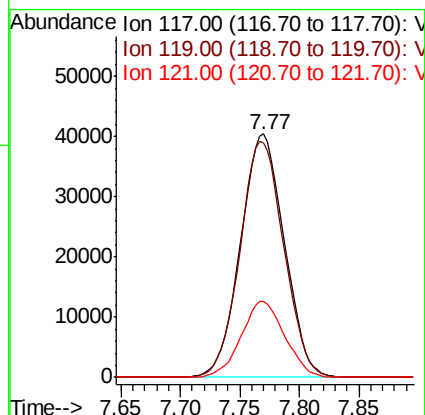
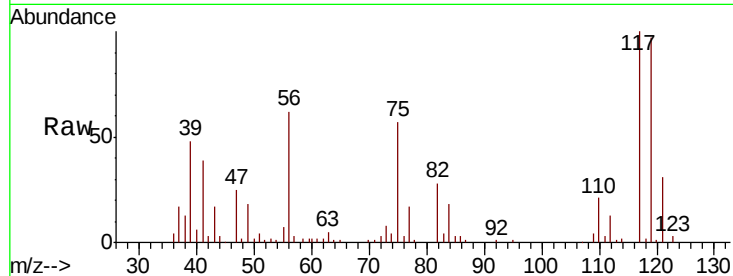




#33
Carbon Tetrachloride
Concen: 19.249 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

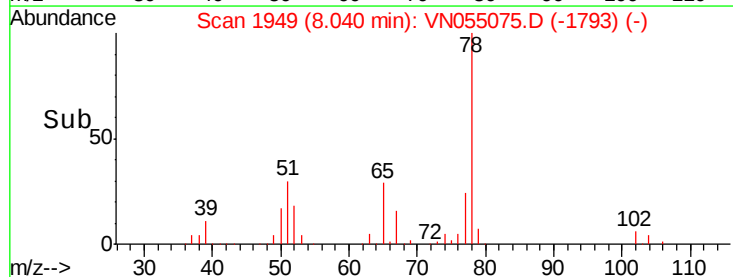
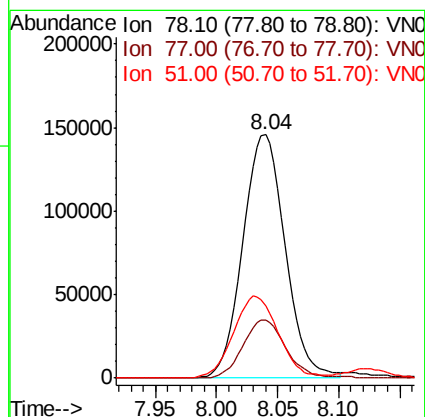
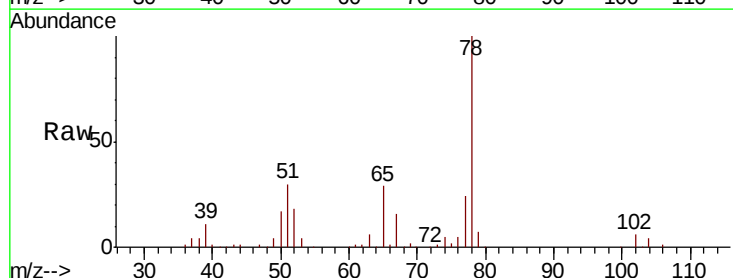
Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

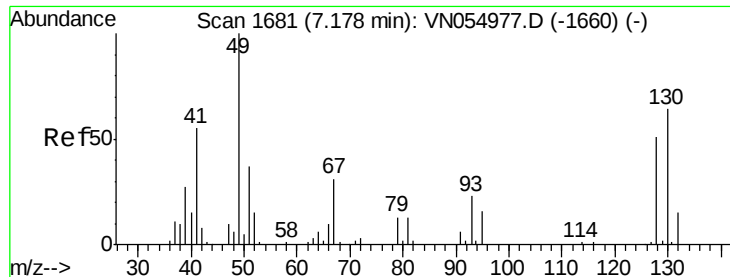
Tot Ion:117 Resp: 102866
Ion Ratio Lower Upper
117 100
119 96.5 76.1 114.1
121 31.0 26.2 39.4



#34
Benzene
Concen: 20.258 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 78 Resp: 350571
Ion Ratio Lower Upper
78 100
77 23.7 18.2 27.4
51 29.6 23.7 35.5

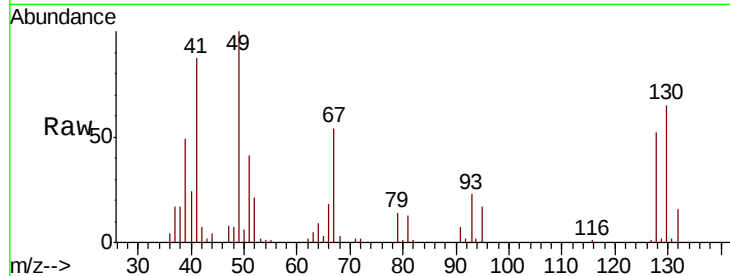




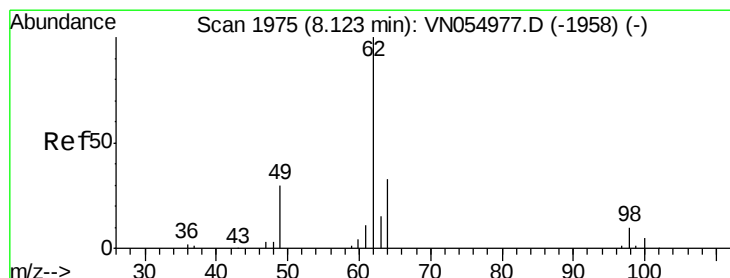
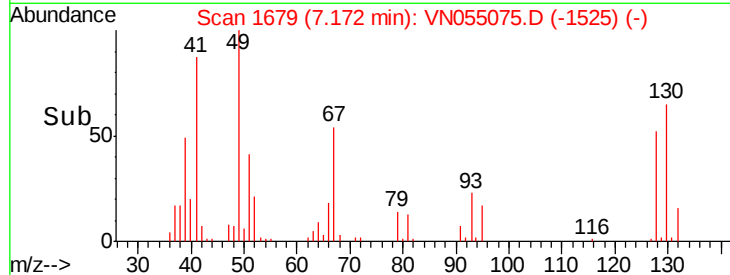
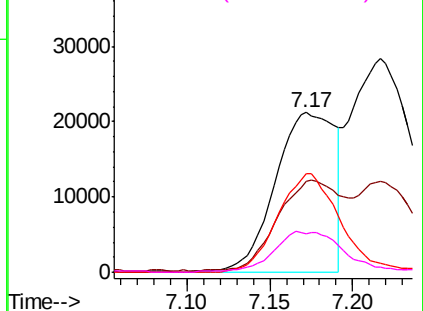
#35
Methacrylonitrile
Concen: 23.228 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

Tot Ion:	41	Resp:	53069
Ion	Ratio	Lower	Upper
41	100		
39	55.5	24.2	72.6
67	61.8	28.1	84.2
52	24.4	13.3	39.8

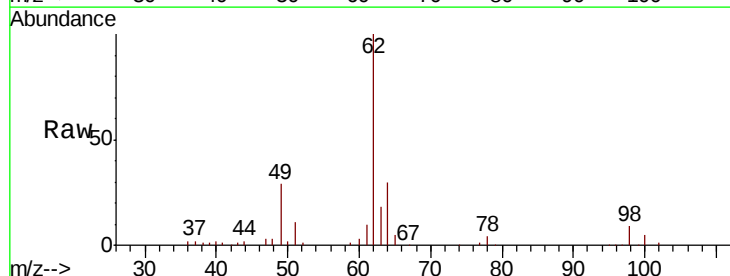


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

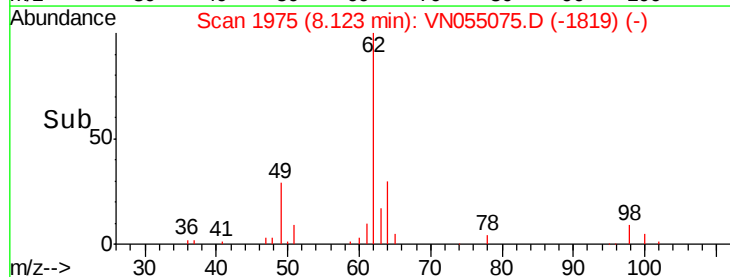
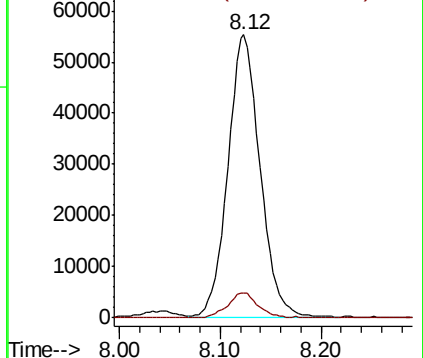


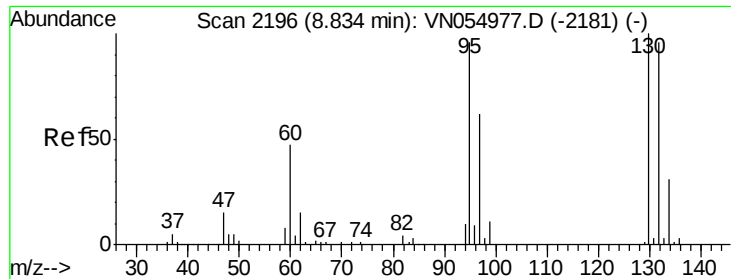
#36
1,2-Dichloroethane
Concen: 20.672 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion:	62	Resp:	122266
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.9	10.3



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

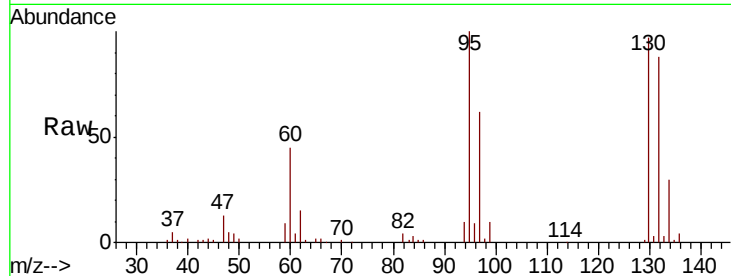




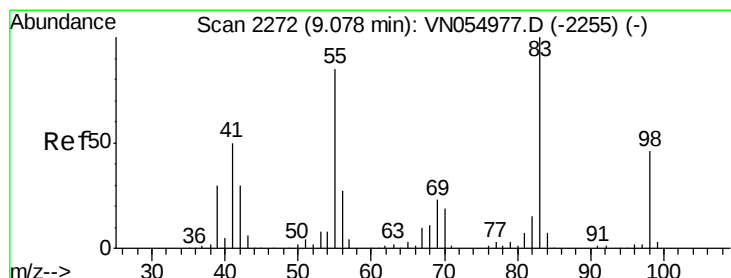
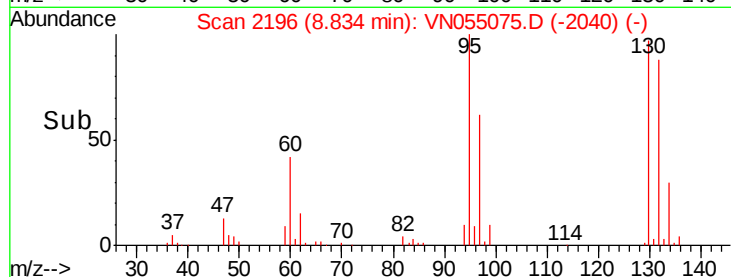
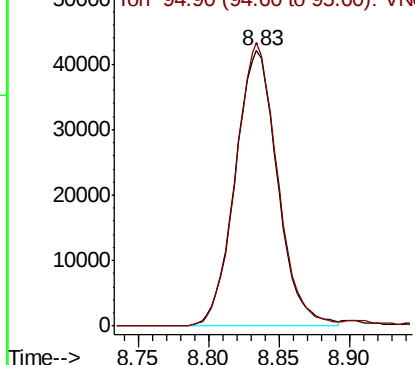
#37
 Trichloroethene
 Concen: 20.125 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion:130 Resp: 88785
 Ion Ratio Lower Upper
 130 100
 95 102.3 76.6 115.0

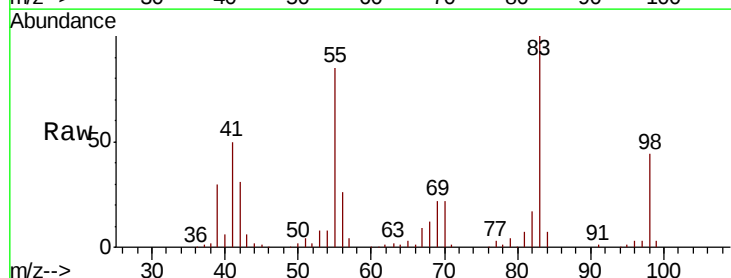


Abundance Ion 129.90 (129.60 to 130.60): VN055075.D (-2196) (-)
 Ion 94.90 (94.60 to 95.60): VN055075.D (-2196) (-)

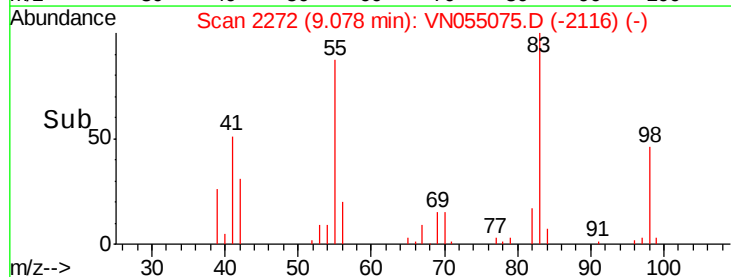
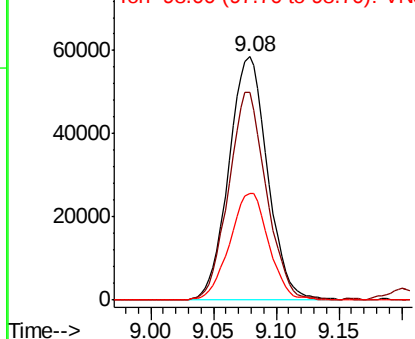


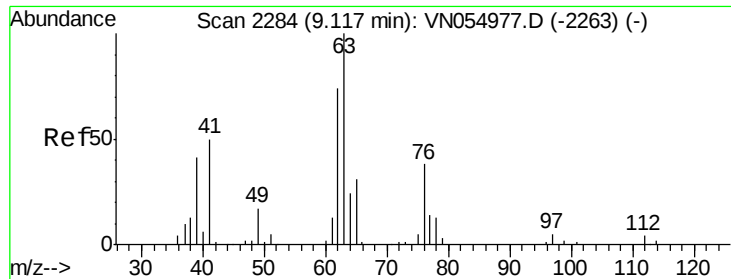
#38
 Methylcyclohexane
 Concen: 18.562 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 83 Resp: 125702
 Ion Ratio Lower Upper
 83 100
 55 82.9 41.9 125.6
 98 44.3 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN055075.D (-2272) (-)
 Ion 55.00 (54.70 to 55.70): VN055075.D (-2272) (-)
 Ion 98.00 (97.70 to 98.70): VN055075.D (-2272) (-)

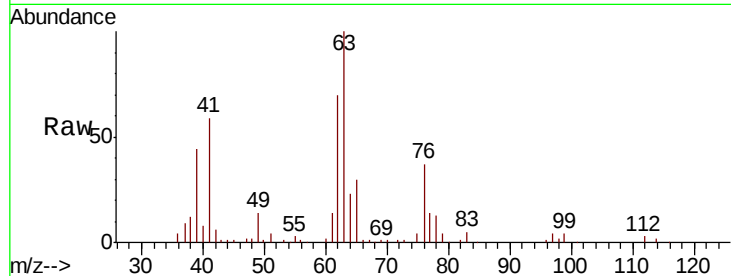




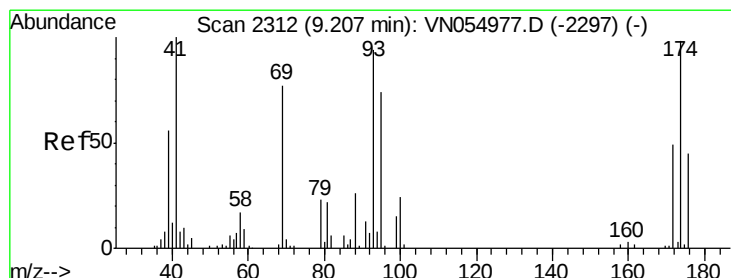
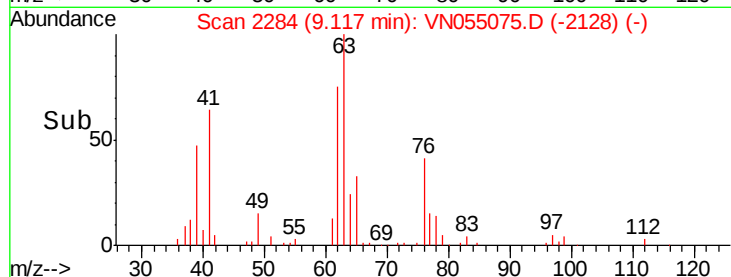
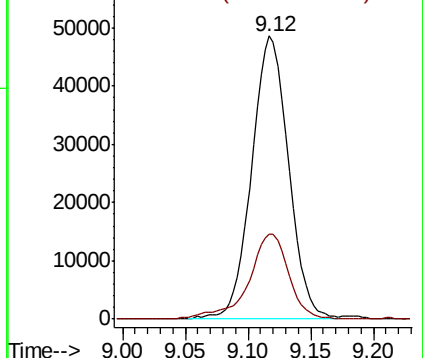
#39
 1,2-Dichloropropane
 Concen: 20.896 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0416WBS01

Tot Ion: 63 Resp: 99848
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.8 37.2

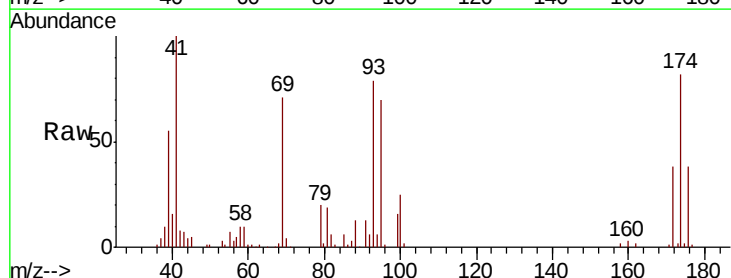


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 65.00 (64.70 to 65.70): VN0

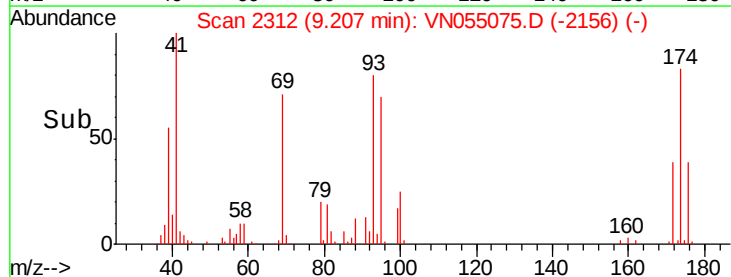
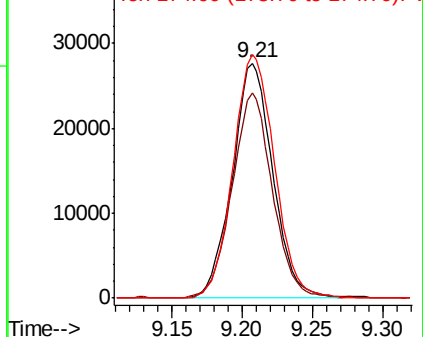


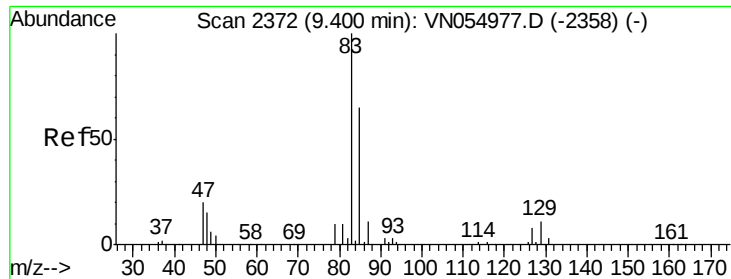
#40
 Dibromomethane
 Concen: 20.583 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 93 Resp: 55594
 Ion Ratio Lower Upper
 93 100
 95 87.1 0.0 160.8
 174 106.1 0.0 206.4



Abundance Ion 93.00 (92.70 to 93.70): VN0
 Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V

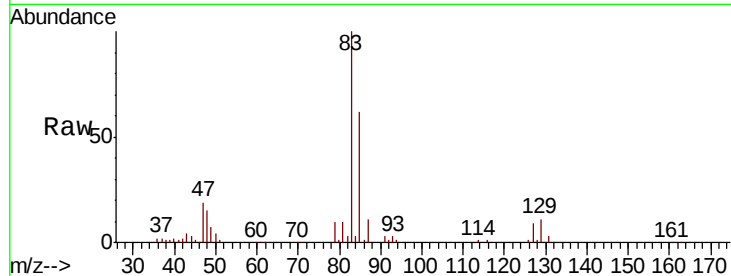




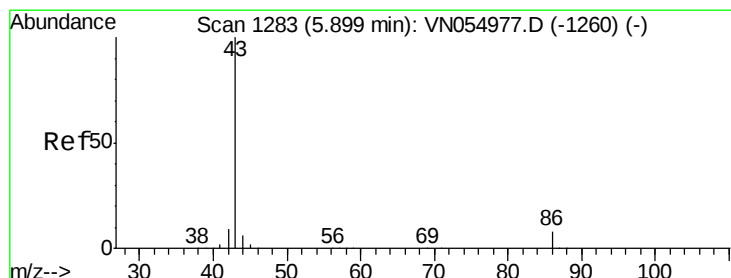
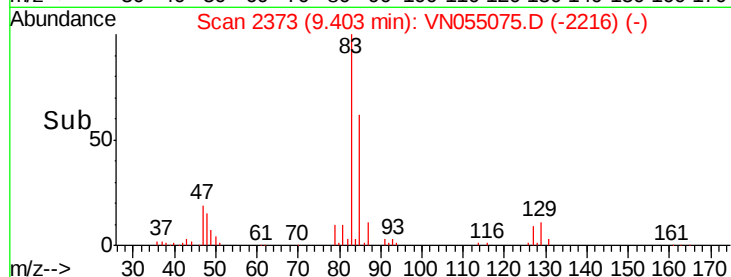
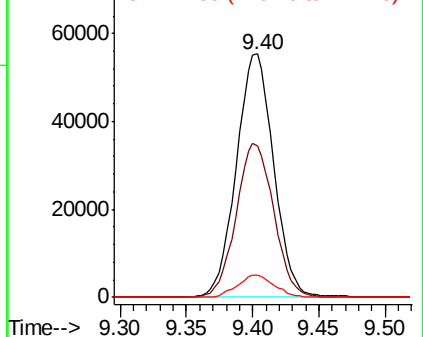
#41
 Bromodichloromethane
 Concen: 19.423 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0416WBS01

Tot Ion: 83 Resp: 108266
 Ion Ratio Lower Upper
 83 100
 85 62.3 52.0 78.0
 127 8.9 7.2 10.8

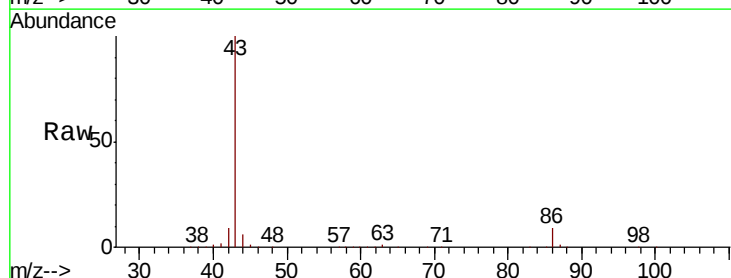


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): VN0

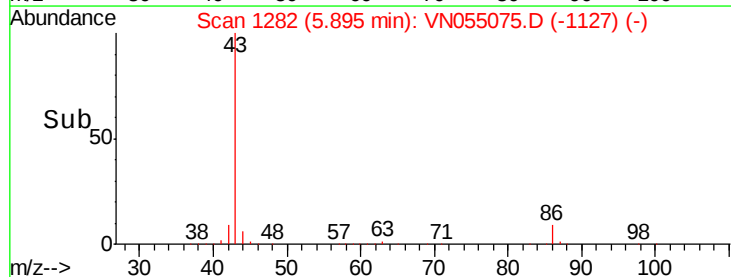
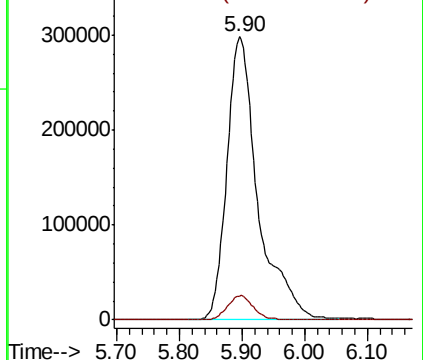


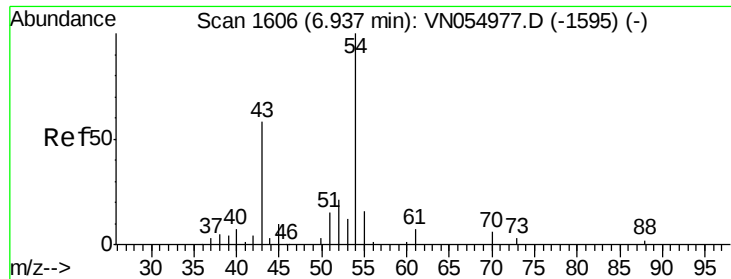
#42
 Vinyl Acetate
 Concen: 104.677 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 43 Resp: 1025817
 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: 21.340 ug/l

RT: 6.94 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

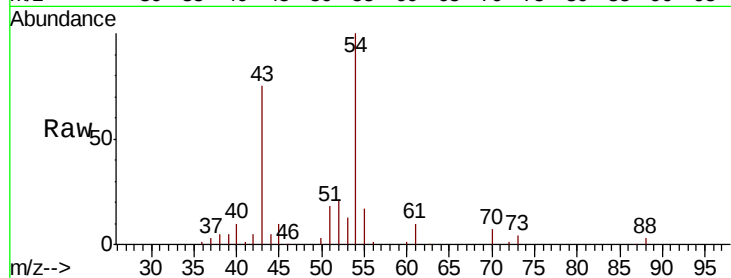
VN0416WBS01

Tot Ion: 43 Resp: 84271

Ion Ratio Lower Upper

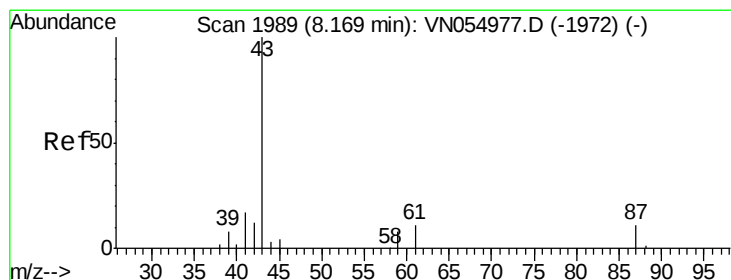
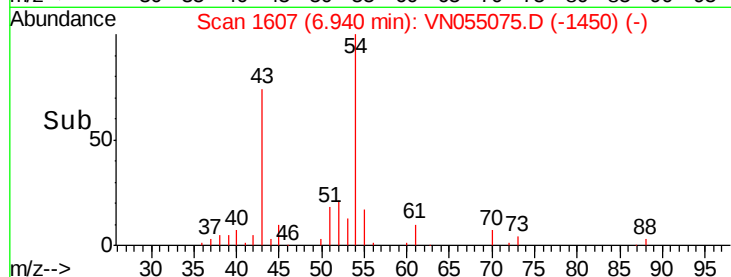
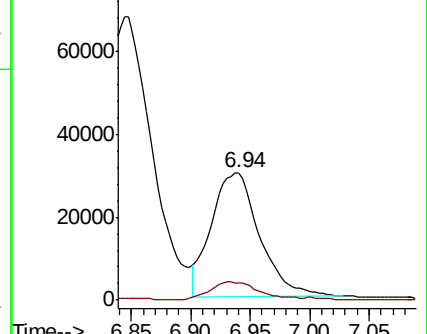
43 100

45 13.9 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: 21.456 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055075.D

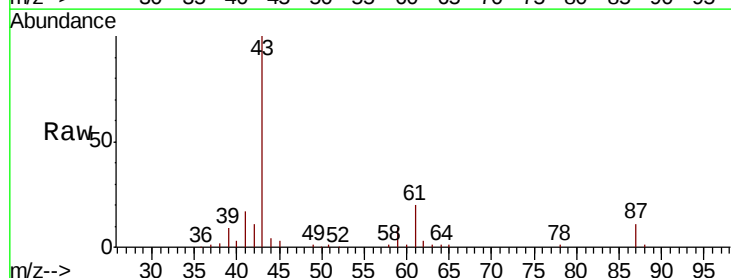
Acq: 16 Apr 2019 13:48

Tgt Ion: 43 Resp: 143589

Ion Ratio Lower Upper

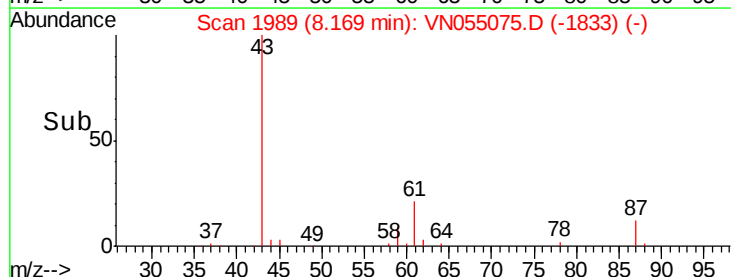
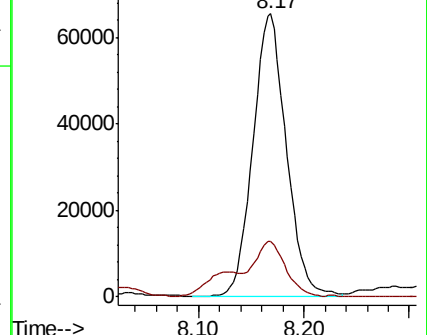
43 100

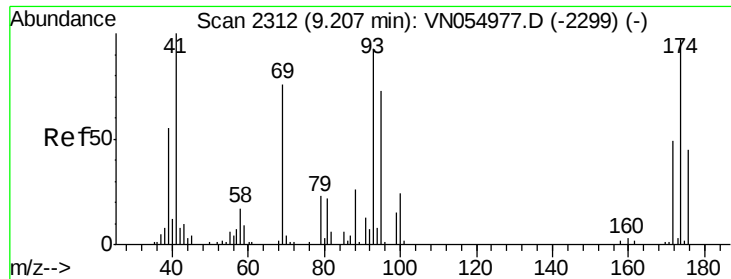
61 18.2 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

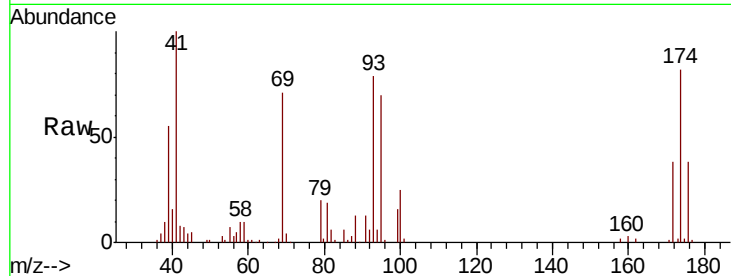




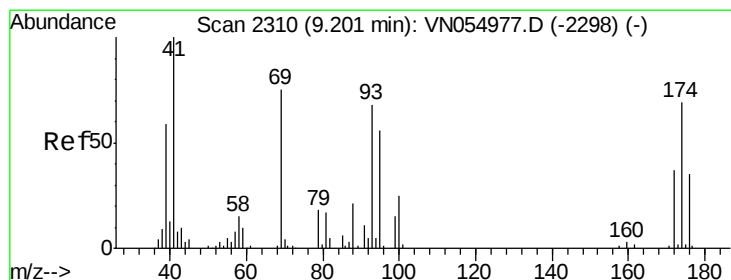
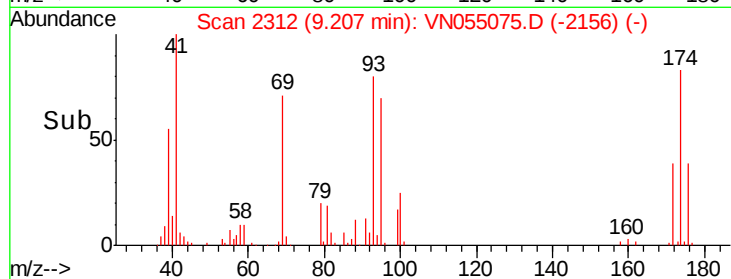
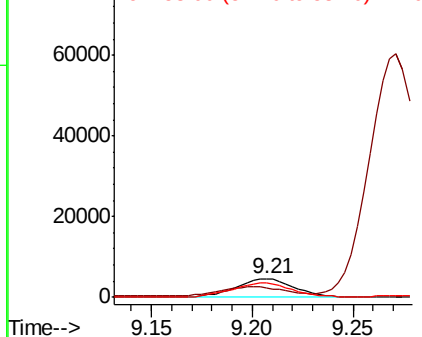
#45
 1,4-Dioxane
 Concen: 249.836 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion: 88 Resp: 9263
 Ion Ratio Lower Upper
 88 100
 43 53.4 34.5 51.7#
 58 80.4 60.3 90.5

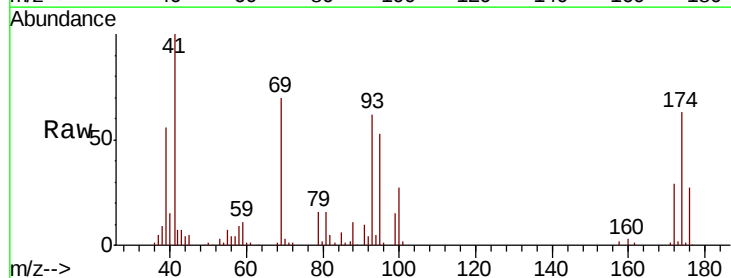


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

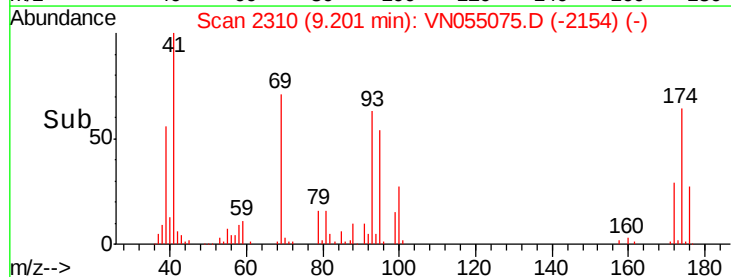
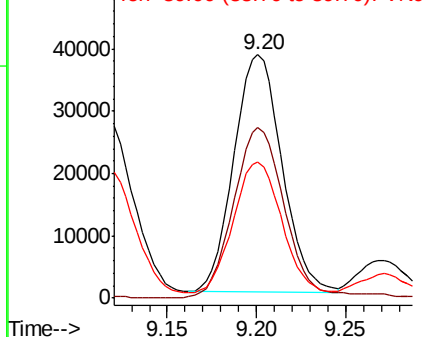


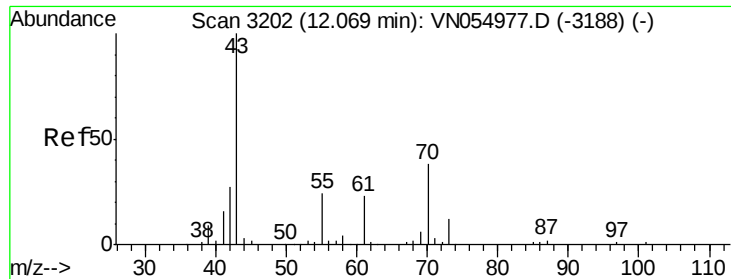
#46
 Methyl methacrylate
 Concen: 20.914 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 41 Resp: 72404
 Ion Ratio Lower Upper
 41 100
 69 71.3 37.3 111.9
 39 55.1 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

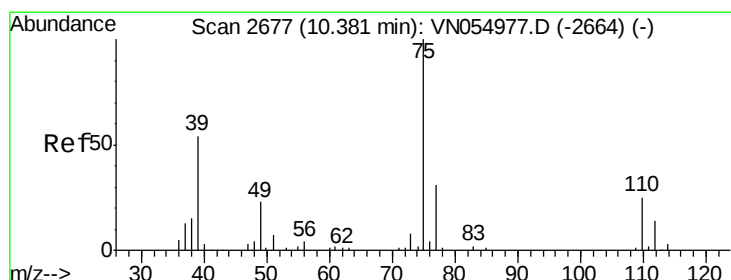
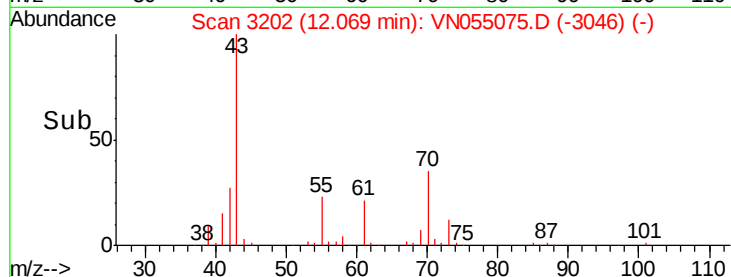
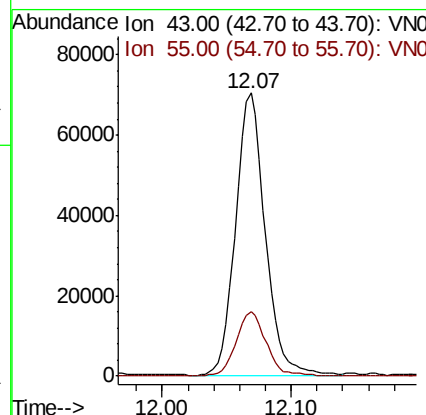
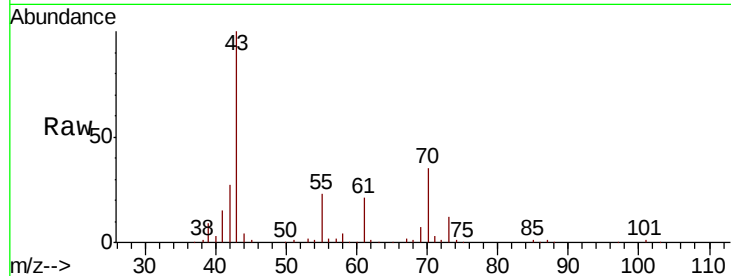




#47
n-amvl Acetate
Concen: 22.745 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

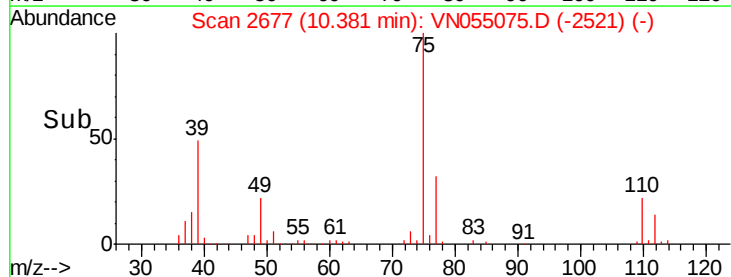
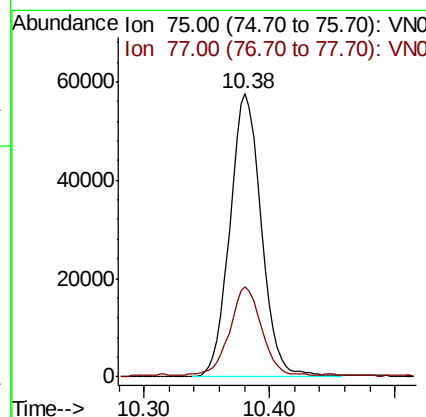
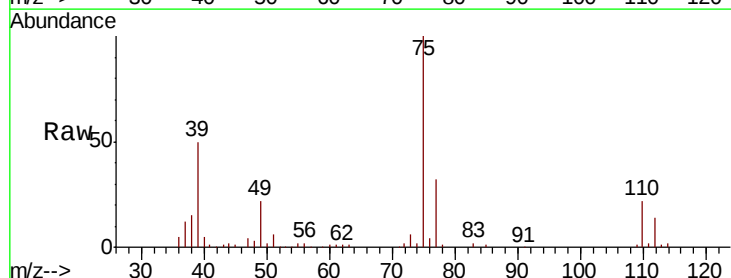
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

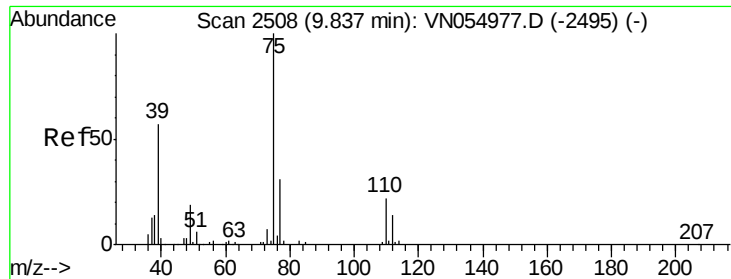
Tot Ion: 43 Resp: 112113
Ion Ratio Lower Upper
43 100
55 23.2 19.8 29.6



#48
t-1,3-Dichloropropene
Concen: 19.670 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 75 Resp: 100686
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0



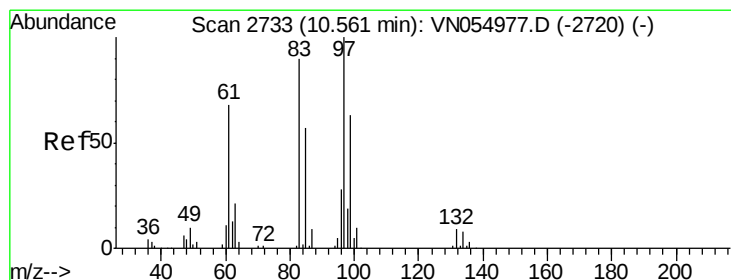
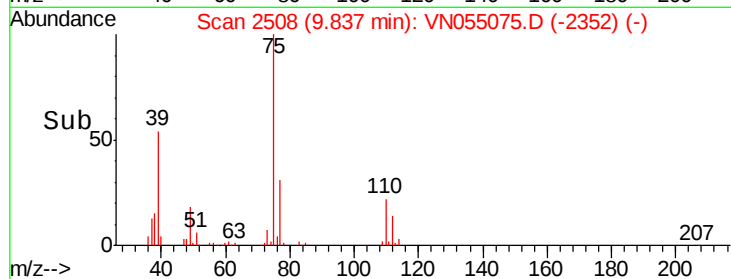
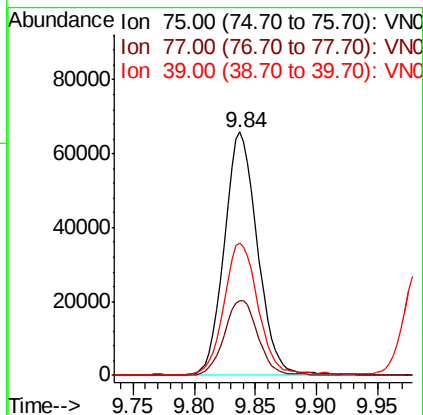
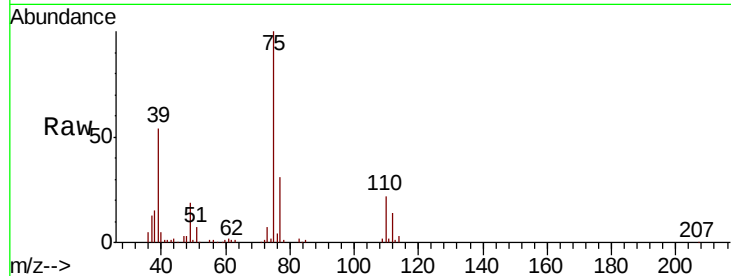


#49

cis-1,3-Dichloropropene
 Concen: 19.846 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

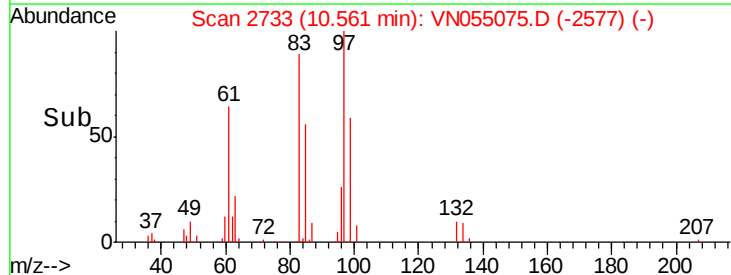
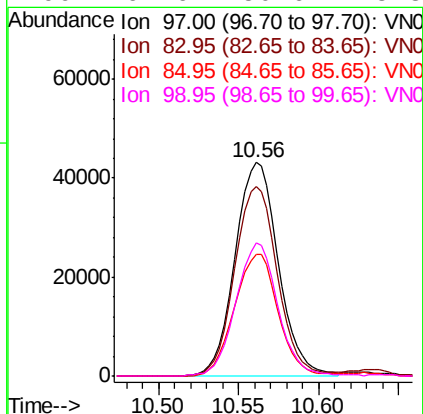
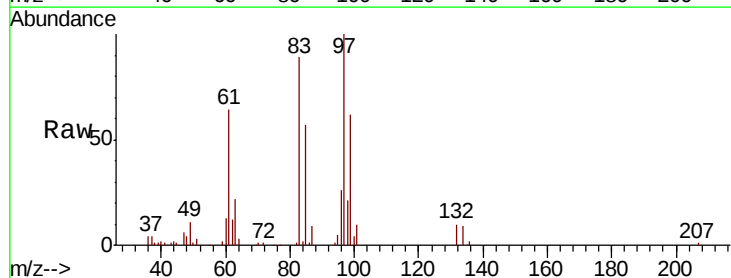
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.7	37.1
39	54.0	45.3	67.9

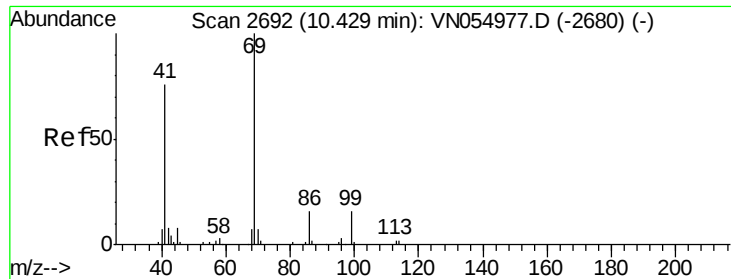


#50

1,1,2-Trichloroethane
 Concen: 21.753 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	72.1	108.1
85	56.8	45.4	68.0
99	61.6	50.6	75.8





#51

Ethyl methacrylate

Concen: 21.283 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

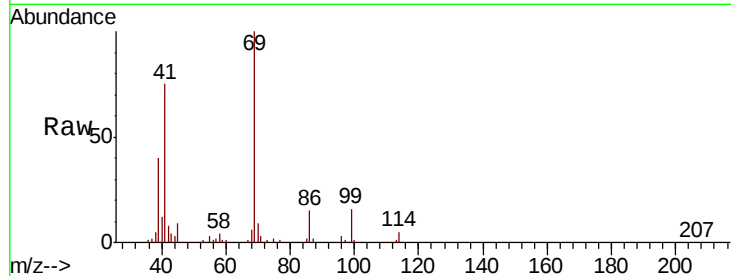
Tot Ion: 69 Resp: 93070

Ion Ratio Lower Upper

69 100

41 74.3 37.9 113.7

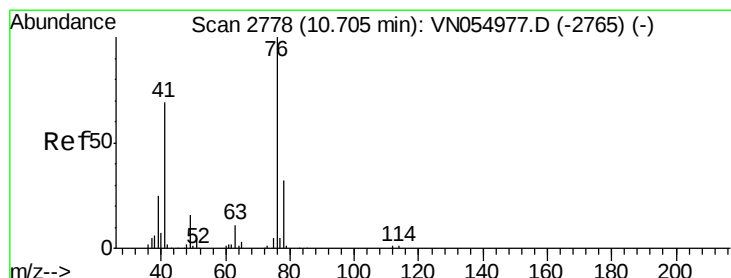
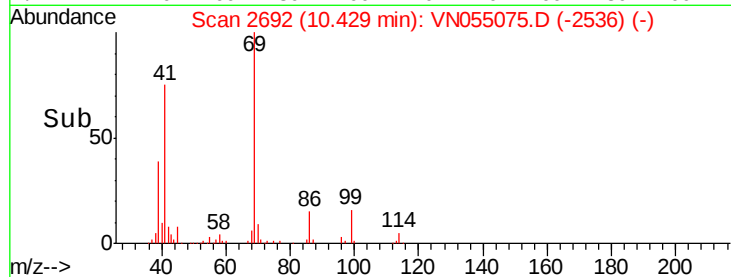
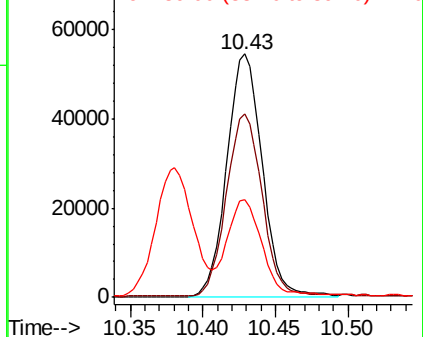
39 38.8 19.8 59.4



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: 21.335 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055075.D

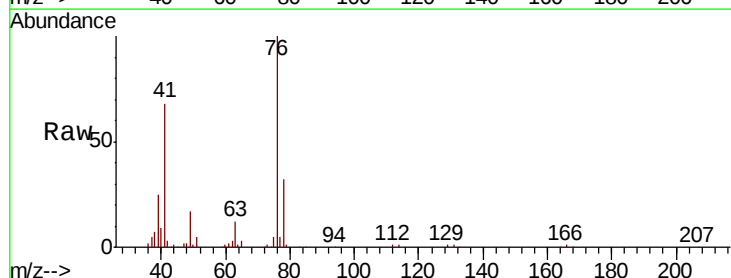
Acq: 16 Apr 2019 13:48

Tgt Ion: 76 Resp: 137143

Ion Ratio Lower Upper

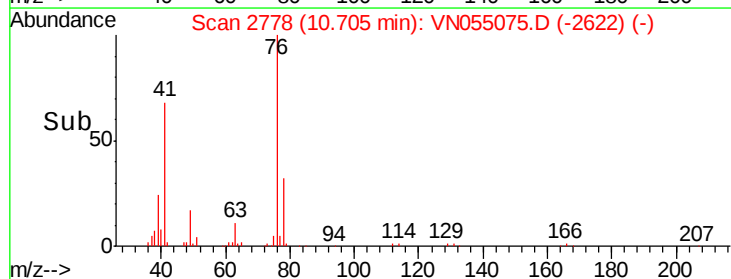
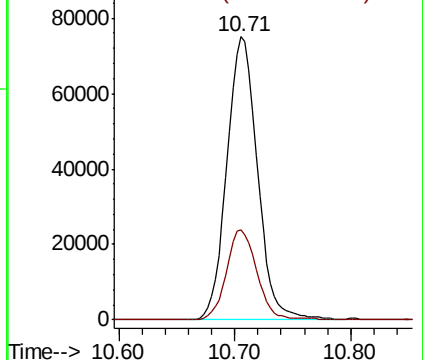
76 100

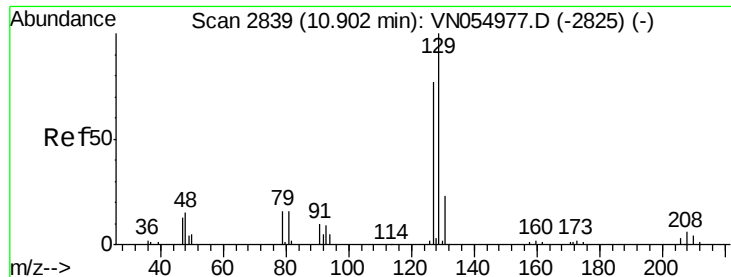
78 31.3 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.749 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

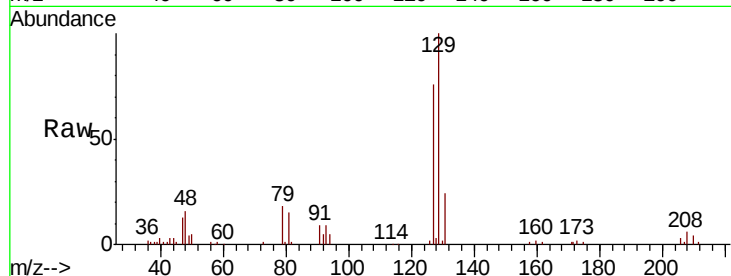
VN0416WBS01

Tot Ion:129 Resp: 74625

Ion Ratio Lower Upper

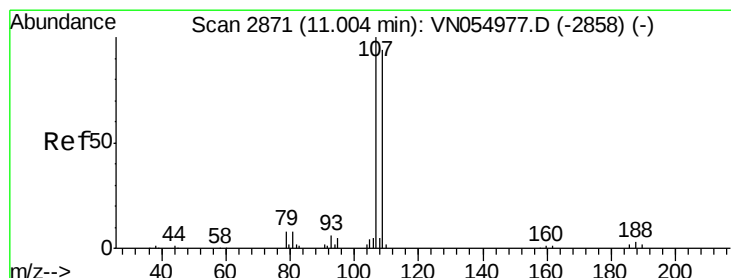
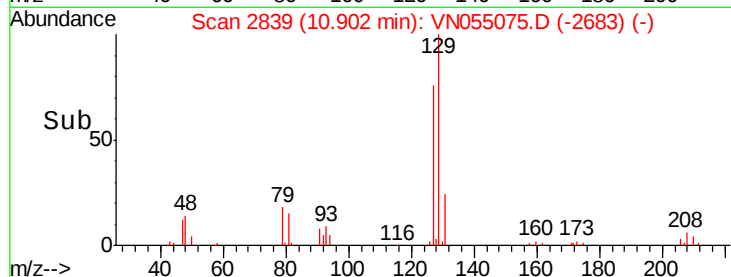
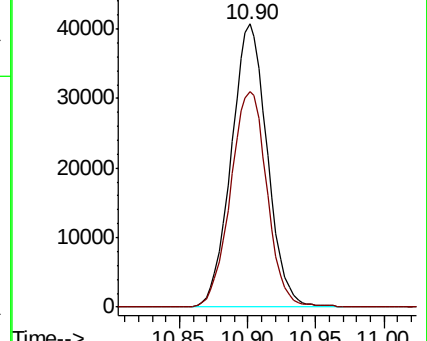
129 100

127 77.0 37.8 113.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.988 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055075.D

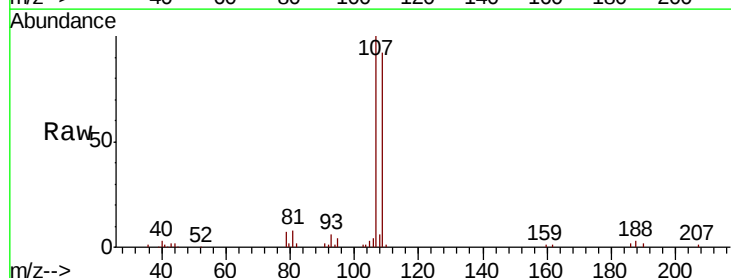
Acq: 16 Apr 2019 13:48

Tgt Ion:107 Resp: 72282

Ion Ratio Lower Upper

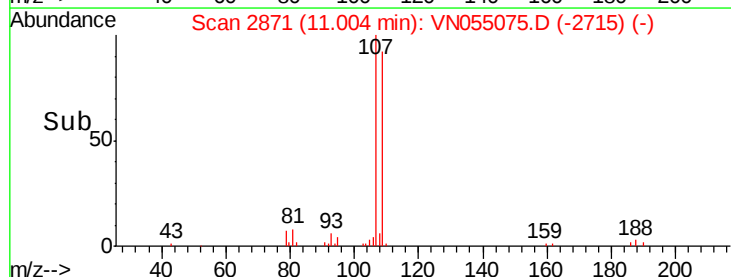
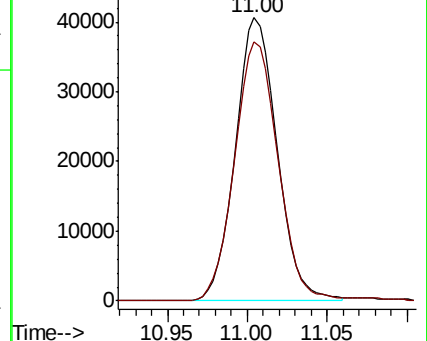
107 100

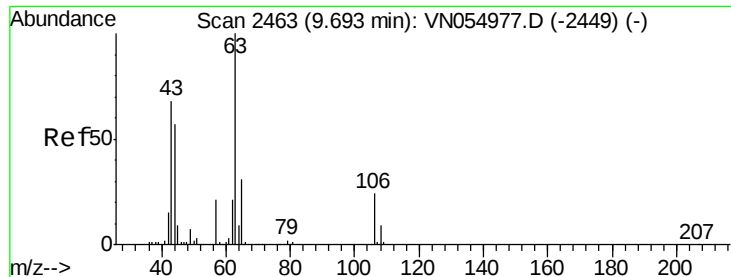
109 95.3 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 98.080 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

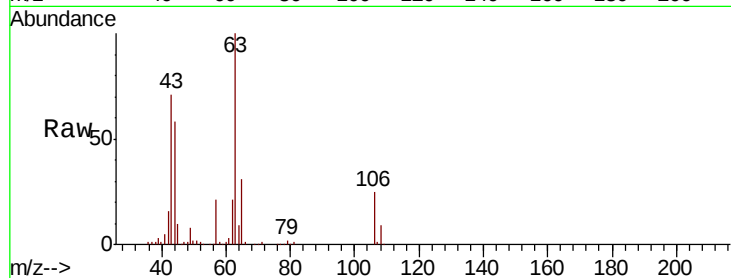
Tot Ion: 63 Resp: 179306

Ion Ratio Lower Upper

63 100

65 31.6 25.4 38.0

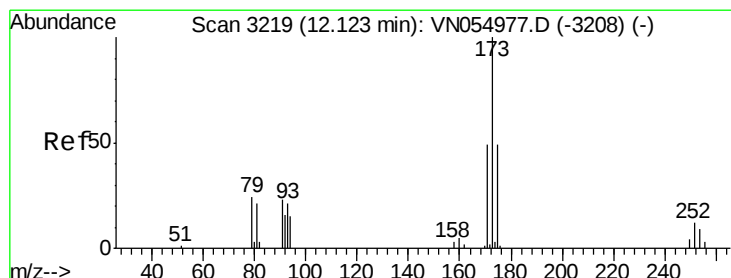
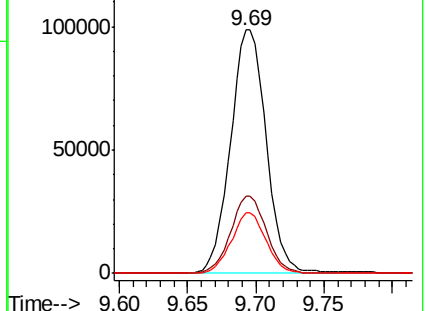
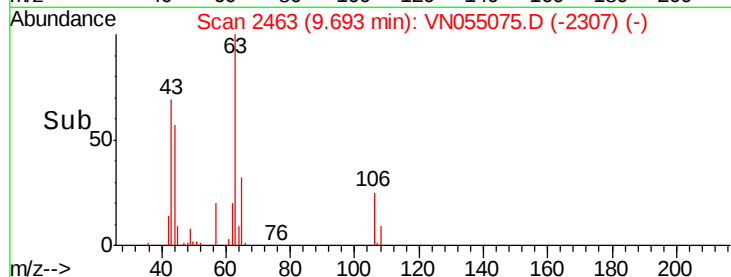
106 24.1 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN055075.D (-2307) (-)

Ion 65.00 (64.70 to 65.70): VN055075.D (-2307) (-)

Ion 106.00 (105.70 to 106.70): VN055075.D (-2307) (-)



#56

Bromoform

Concen: 19.073 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

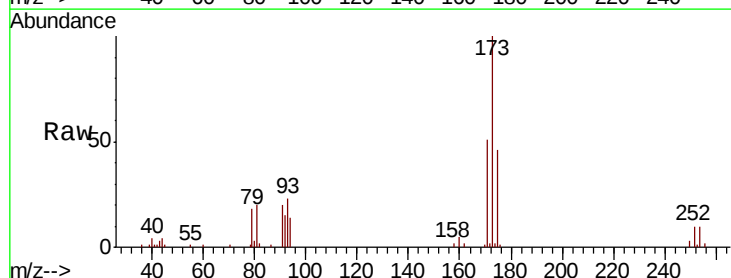
Tgt Ion: 173 Resp: 45287

Ion Ratio Lower Upper

173 100

175 46.2 38.6 57.8

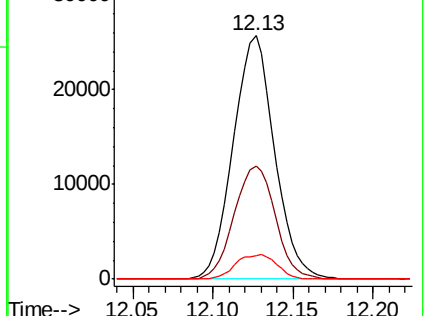
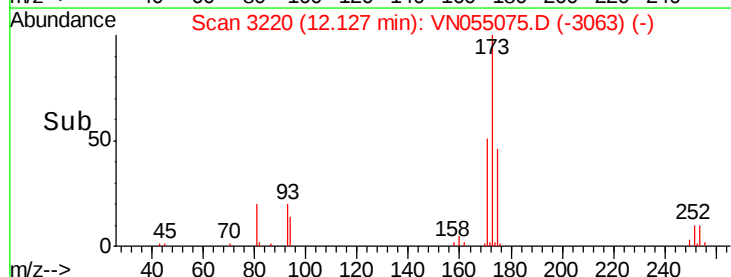
254 10.0 6.8 10.2

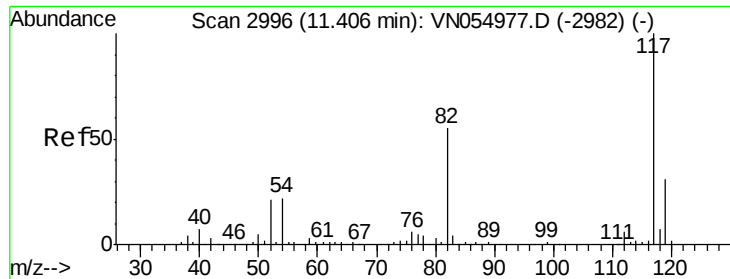


Abundance Ion 173.00 (172.70 to 173.70): VN055075.D (-3063) (-)

Ion 175.00 (174.70 to 175.70): VN055075.D (-3063) (-)

Ion 254.00 (253.70 to 254.70): VN055075.D (-3063) (-)

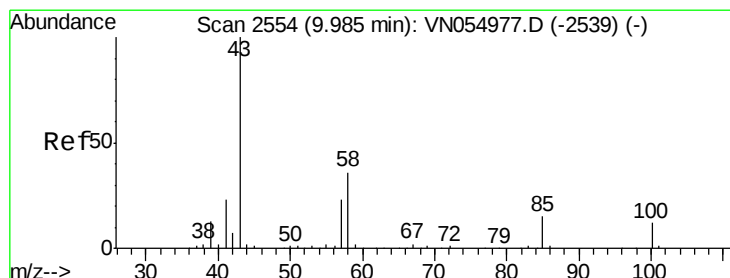
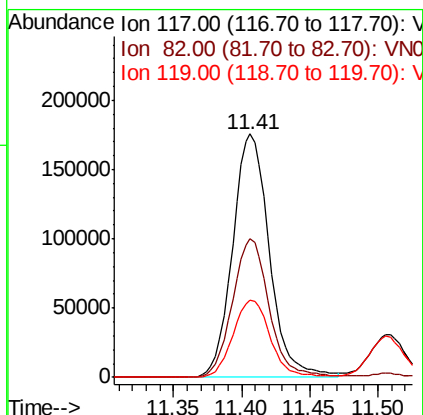
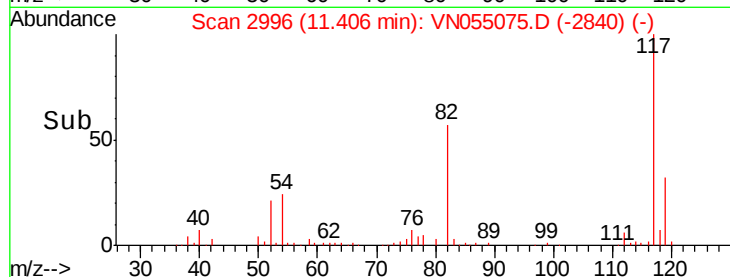
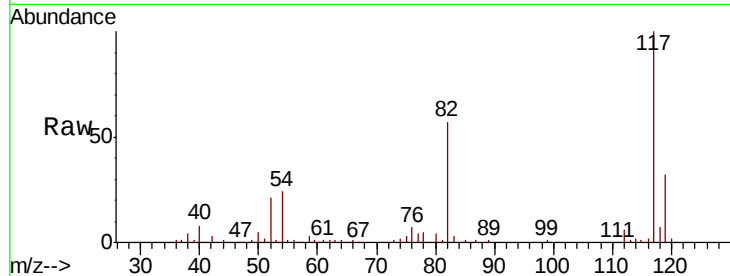




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

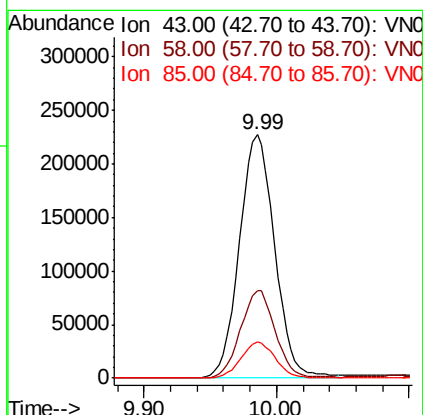
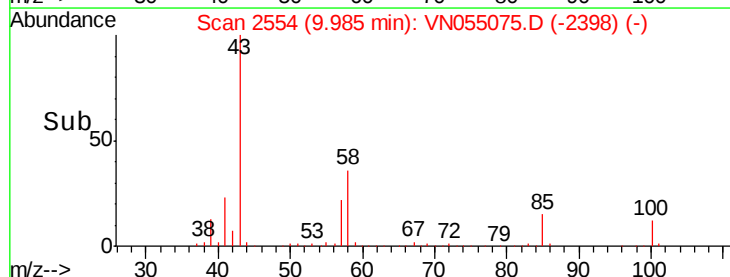
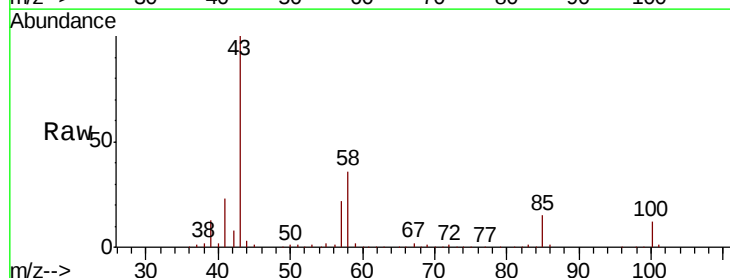
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

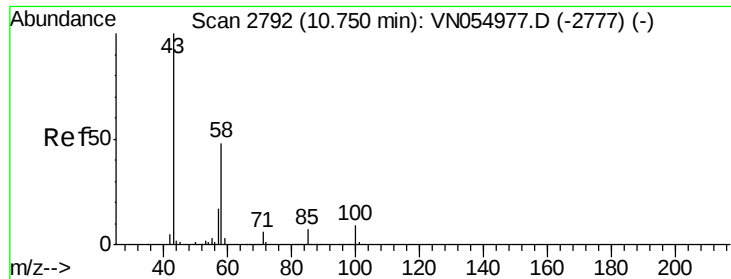
Tot Ion:117 Resp: 328733
Ion Ratio Lower Upper
117 100
82 57.1 45.2 67.8
119 32.6 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 110.517 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 43 Resp: 418970
Ion Ratio Lower Upper
43 100
58 35.5 28.7 43.1
85 14.7 11.8 17.6

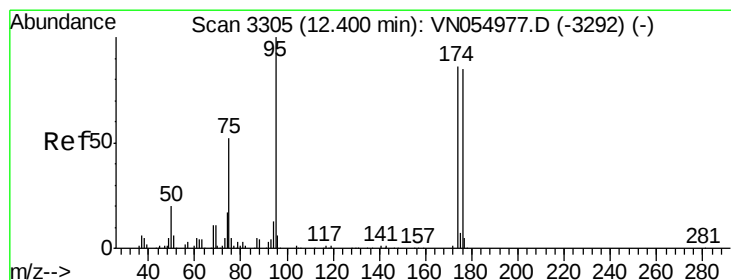
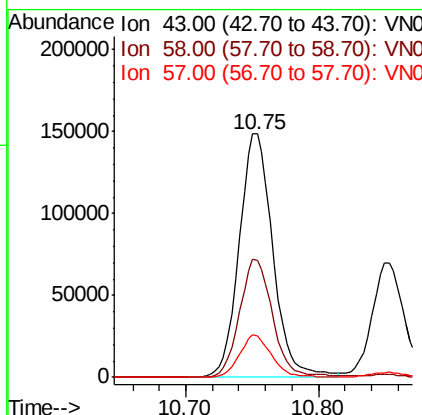
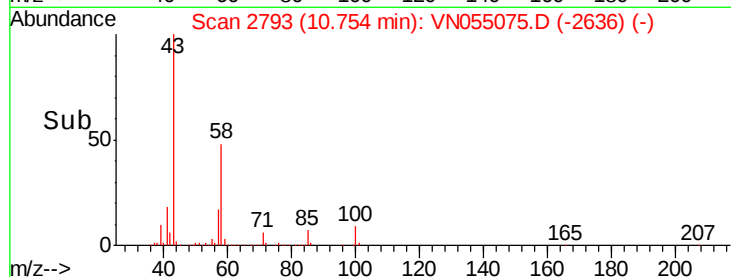
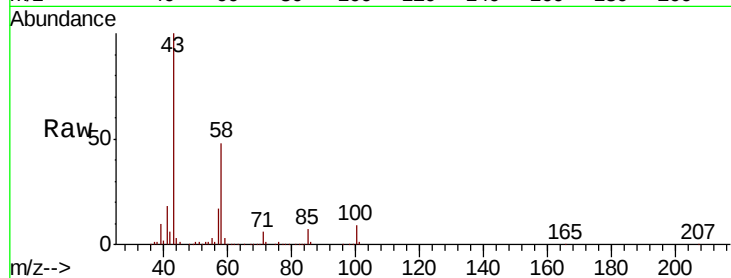




#59
2-Hexanone
Concen: 108.051 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

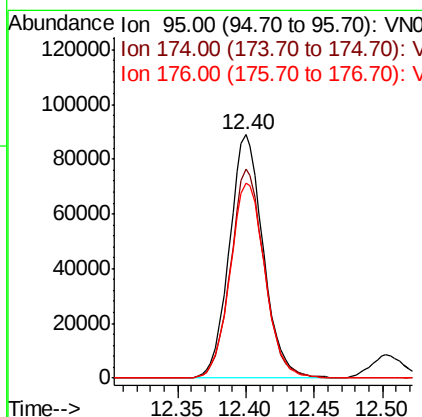
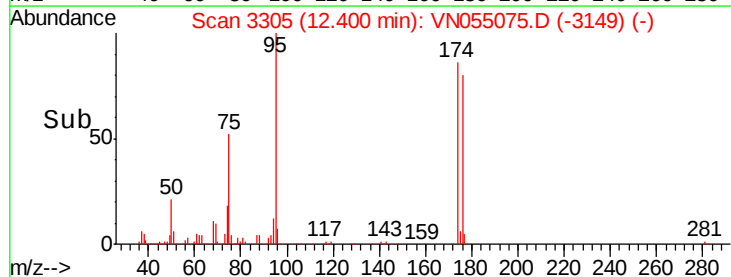
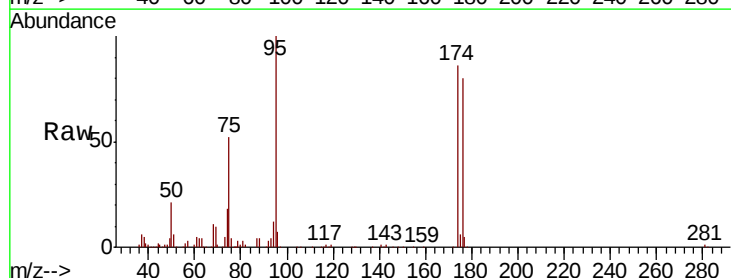
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

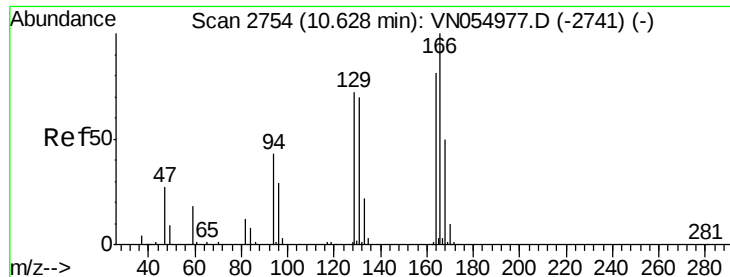
Tot Ion: 43 Resp: 260222
Ion Ratio Lower Upper
43 100
58 48.1 38.8 58.2
57 16.7 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 108.051 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 95 Resp: 152897
Ion Ratio Lower Upper
95 100
174 85.4 69.4 104.2
176 82.7 67.4 101.2





#61

Tetrachloroethene

Concen: 20.332 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

Tot Ion:164 Resp: 86981

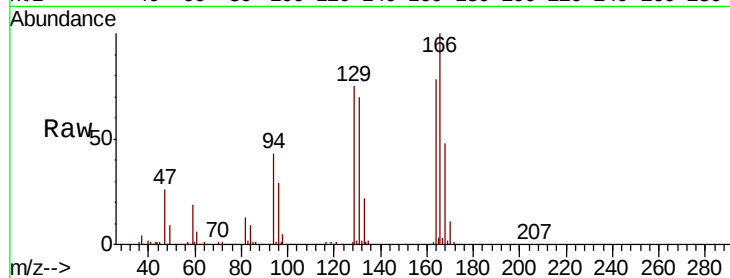
Ion Ratio Lower Upper

164 100

166 127.4 99.0 148.4

129 95.2 71.4 107.0

131 89.6 68.8 103.2

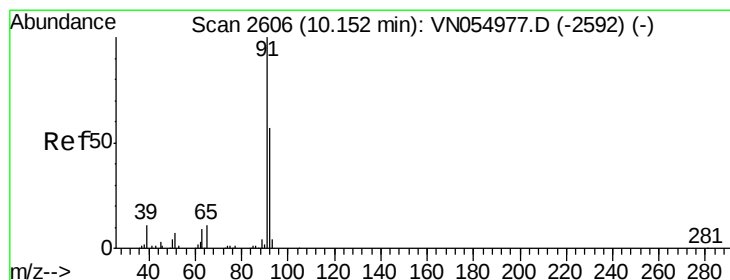
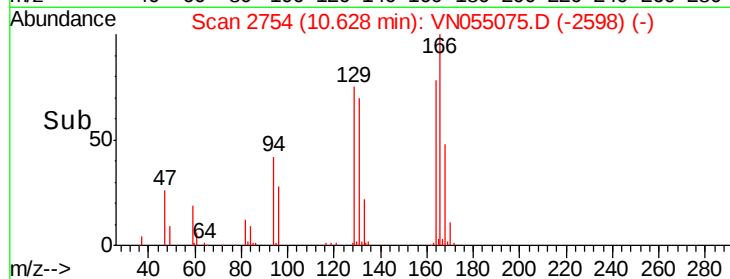
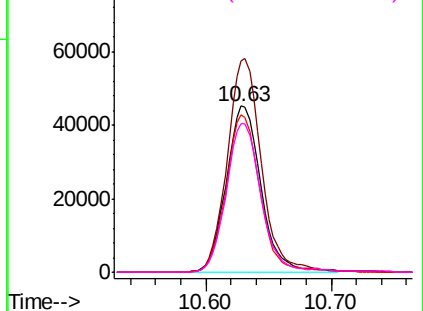


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.147 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055075.D

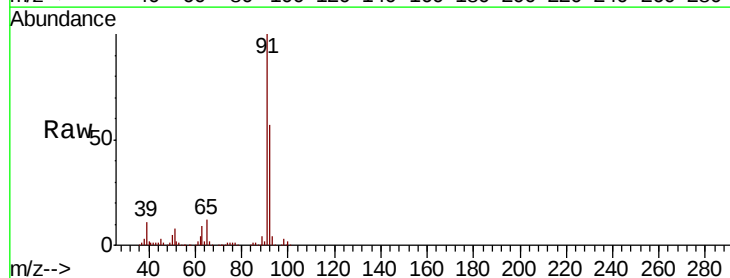
Acq: 16 Apr 2019 13:48

Tgt Ion: 91 Resp: 364927

Ion Ratio Lower Upper

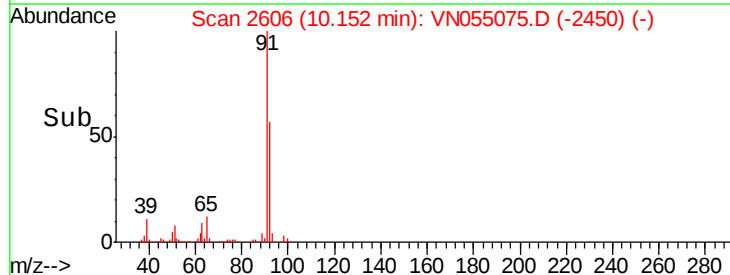
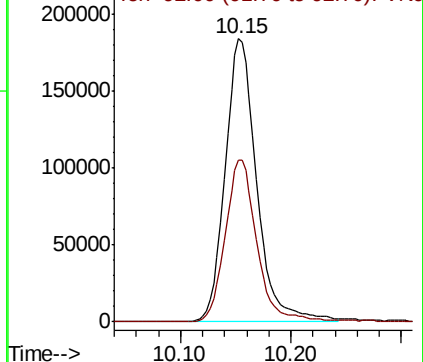
91 100

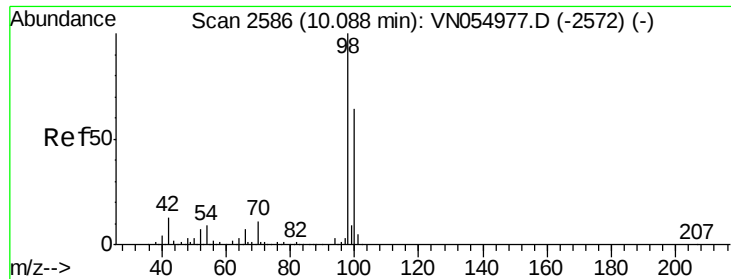
92 57.0 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.147 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

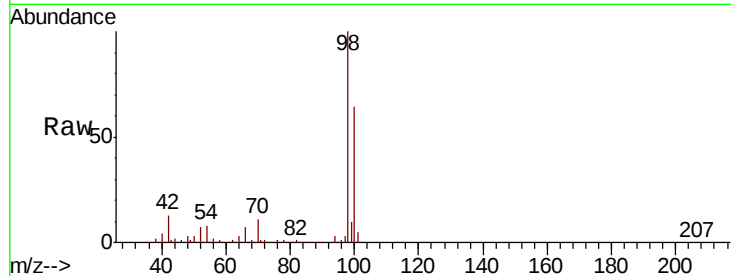
VN0416WBS01

Tot Ion: 98 Resp: 474657

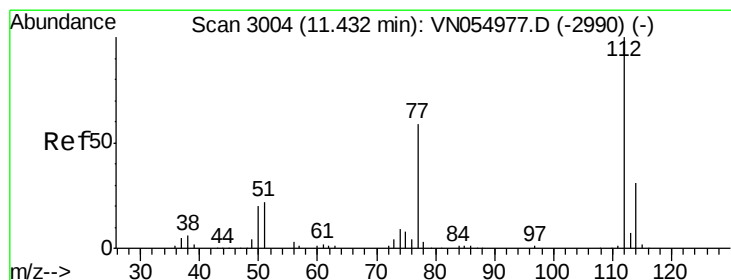
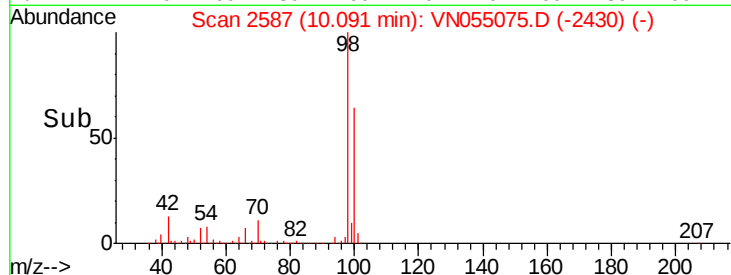
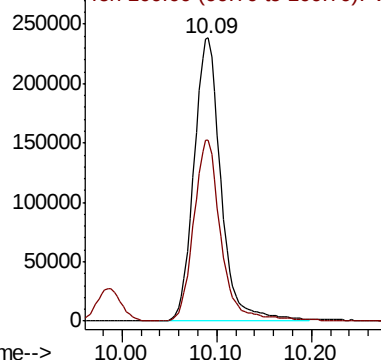
Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7



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



#64

Chlorobenzene

Concen: 20.571 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055075.D

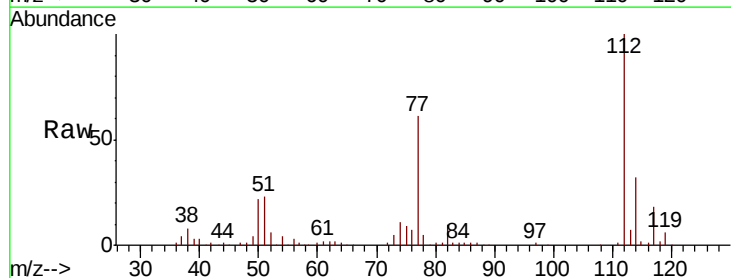
Acq: 16 Apr 2019 13:48

Tgt Ion: 112 Resp: 224940

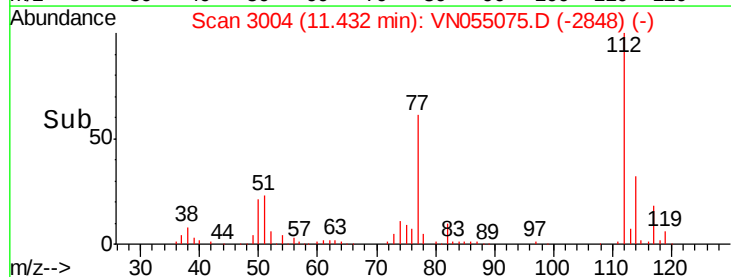
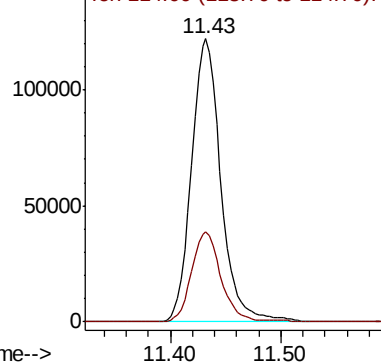
Ion Ratio Lower Upper

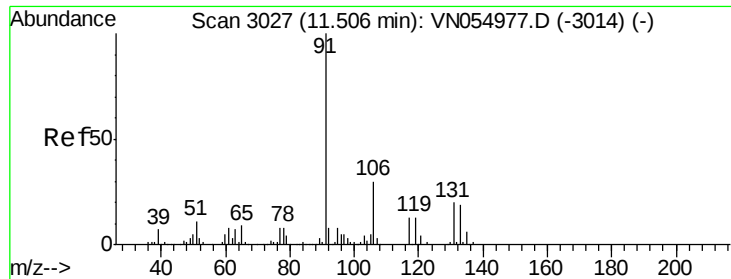
112 100

114 31.8 25.1 37.7



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





#65

1,1,1,2-Tetrachloroethane

Concen: 20.451 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0416WBS01

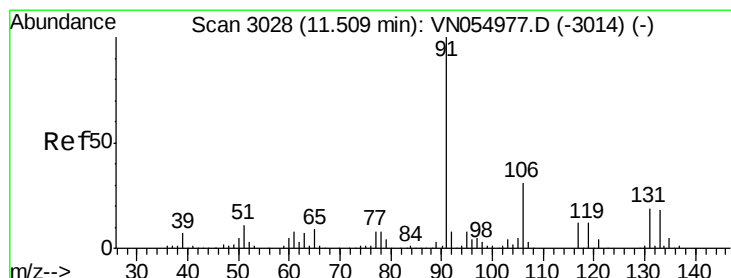
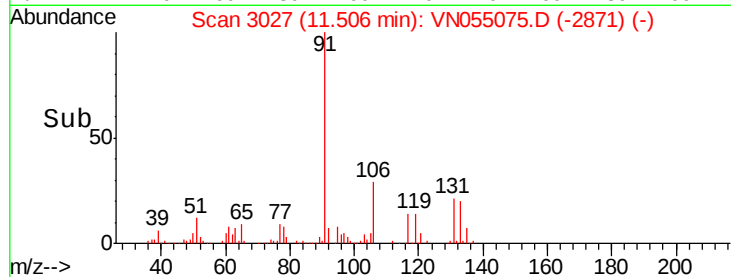
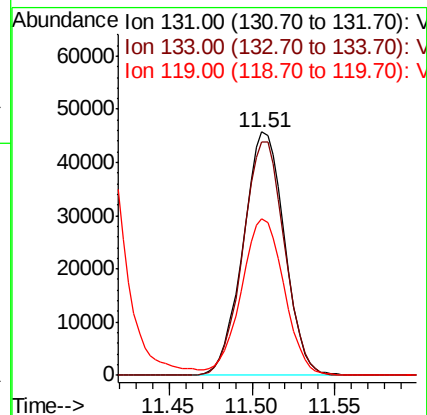
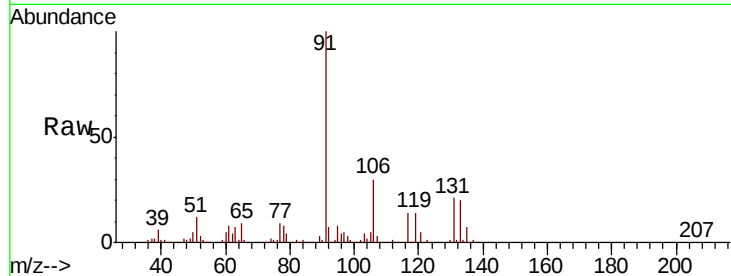
Tot Ion:131 Resp: 79536

Ion Ratio Lower Upper

131 100

133 96.3 0.0 187.8

119 66.4 0.0 131.4



#66

Ethyl Benzene

Concen: 20.266 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055075.D

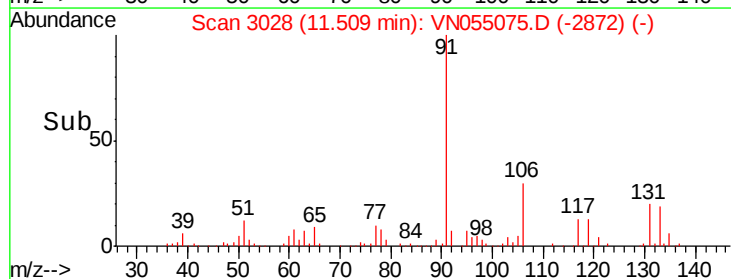
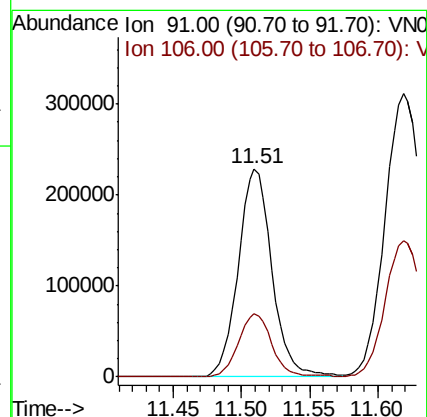
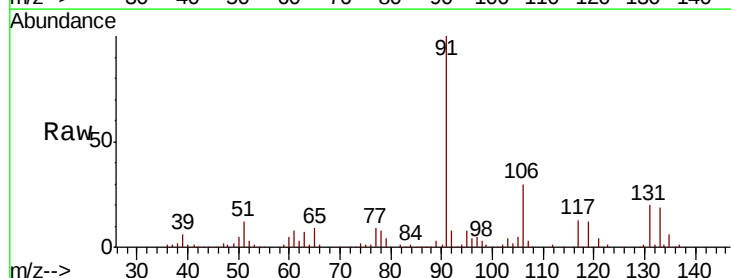
Acq: 16 Apr 2019 13:48

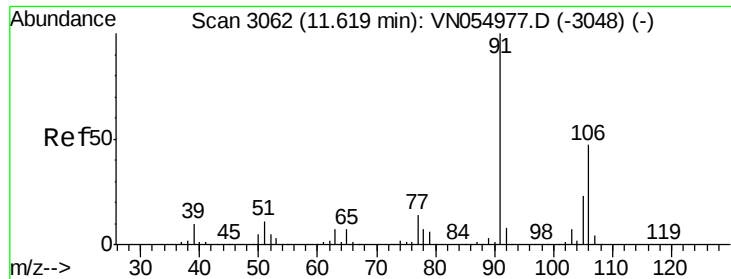
Tgt Ion: 91 Resp: 393501

Ion Ratio Lower Upper

91 100

106 30.2 24.6 36.8

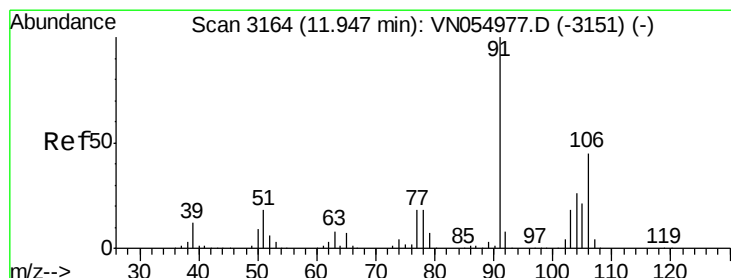
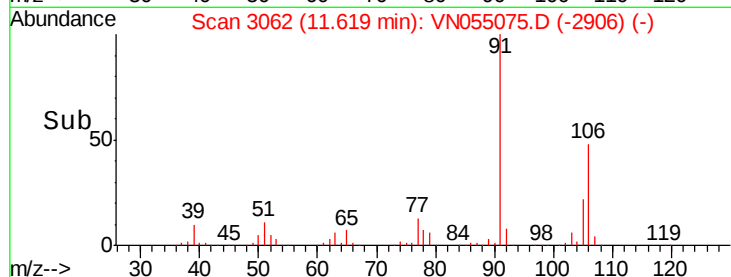
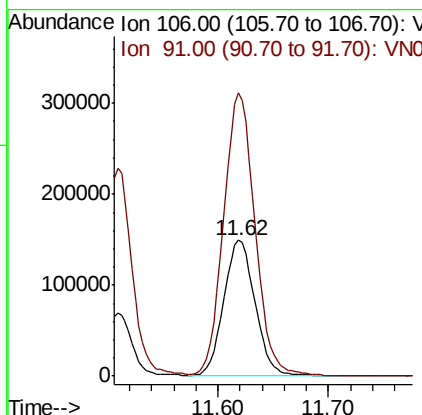
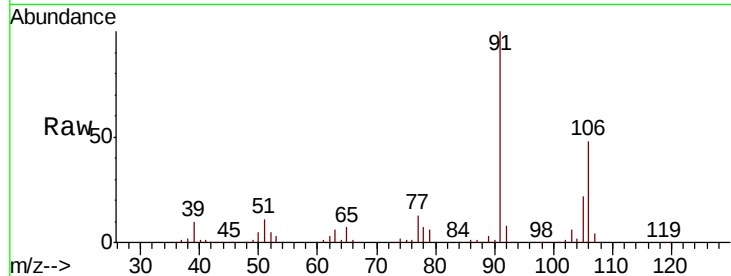




#67
m/p-Xylenes
Concen: 41.012 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

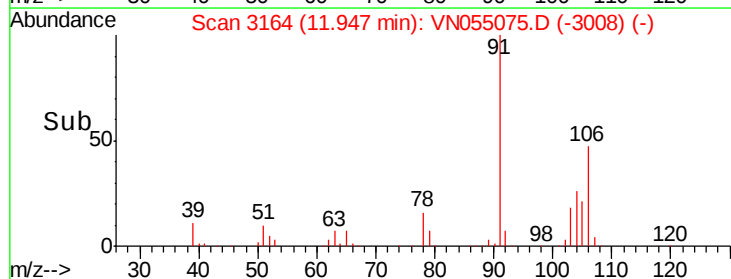
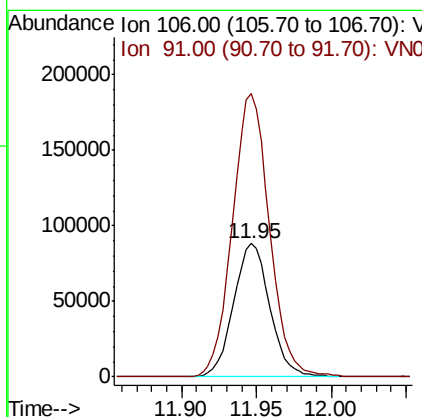
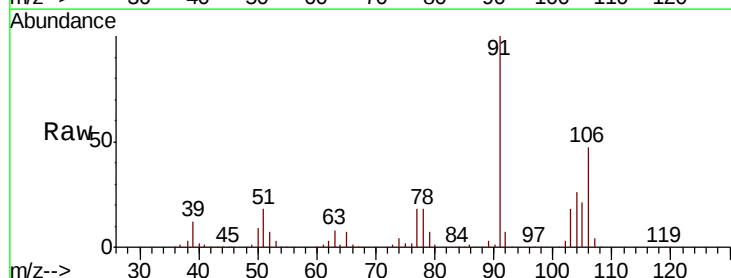
Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

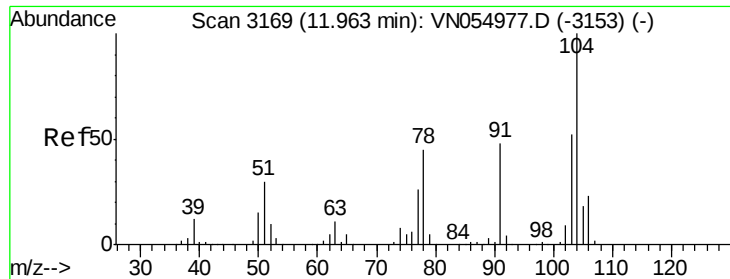
Tot Ion:106 Resp: 295990
Ion Ratio Lower Upper
106 100
91 208.6 167.4 251.2



#68
o-Xylene
Concen: 20.889 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion:106 Resp: 148990
Ion Ratio Lower Upper
106 100
91 216.9 110.3 330.8

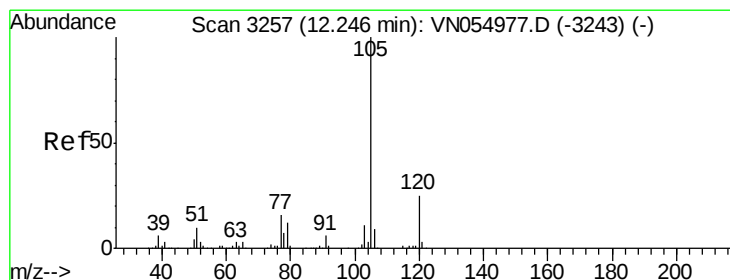
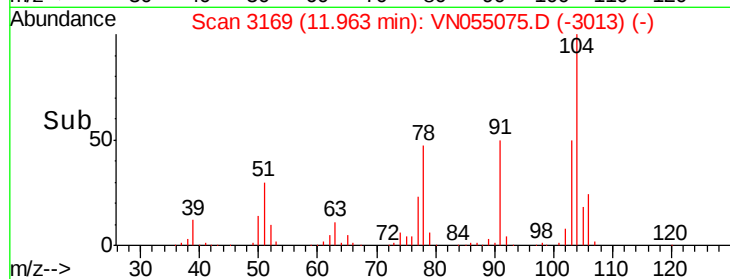
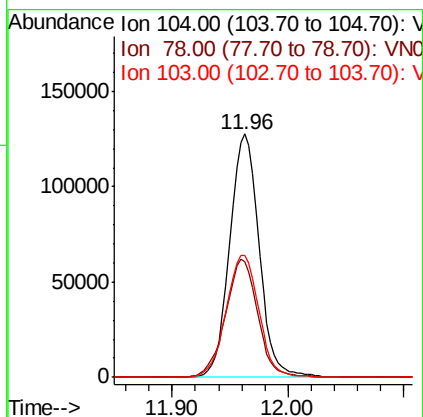
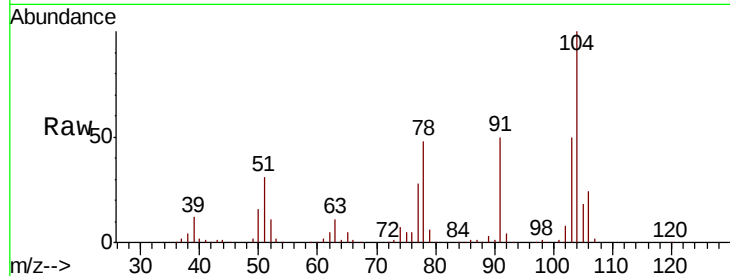




#69
Stvrene
Concen: 20.237 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

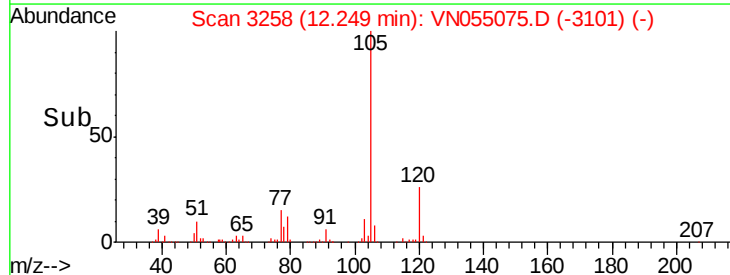
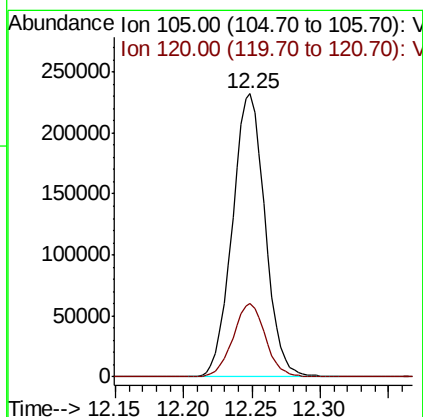
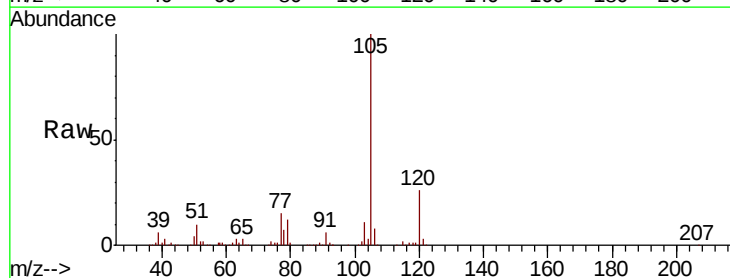
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

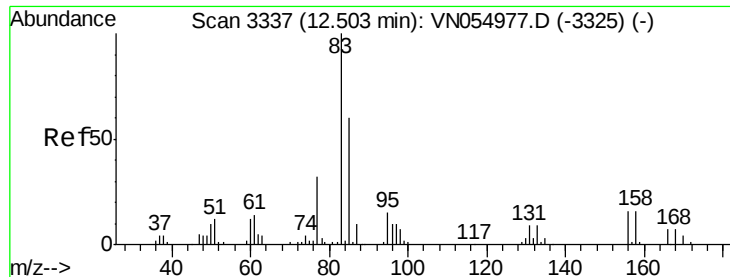
Tot Ion:104 Resp: 224129
Ion Ratio Lower Upper
104 100
78 53.0 41.2 61.8
103 56.0 44.6 67.0



#70
Isopropylbenzene
Concen: 20.254 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion:105 Resp: 386233
Ion Ratio Lower Upper
105 100
120 25.8 18.3 33.9

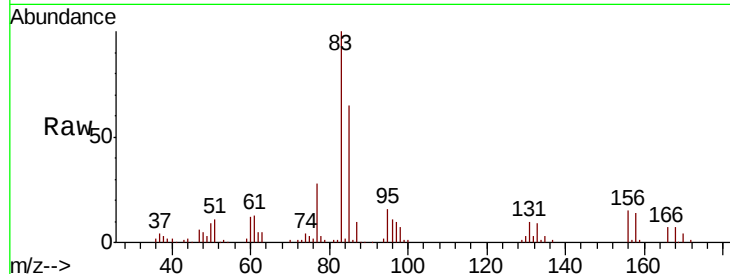




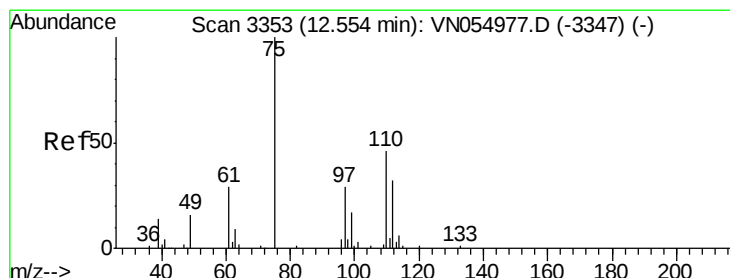
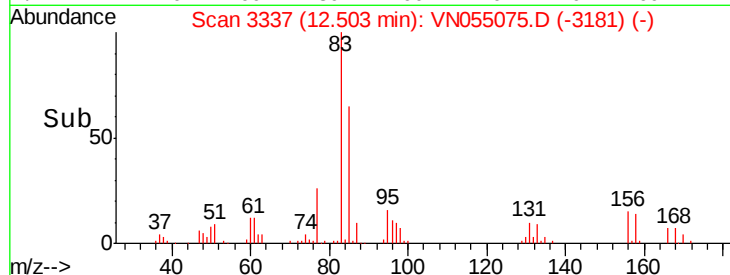
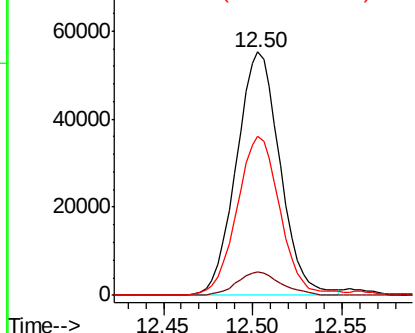
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.651 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

Tot Ion	83	Resp	94431
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.6	13.8
85	64.7	30.9	92.5

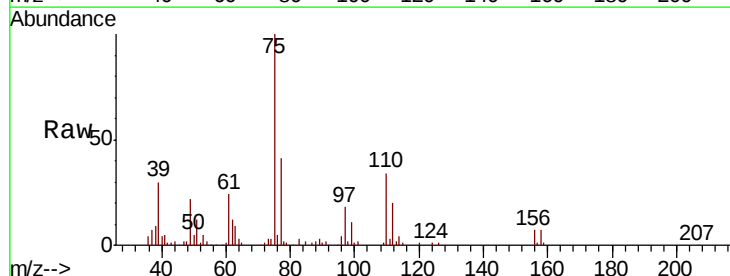


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

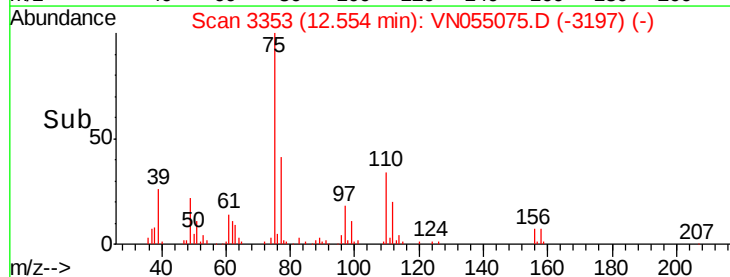
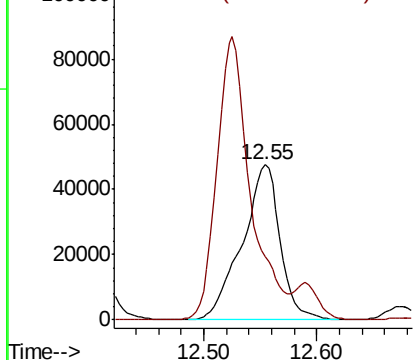


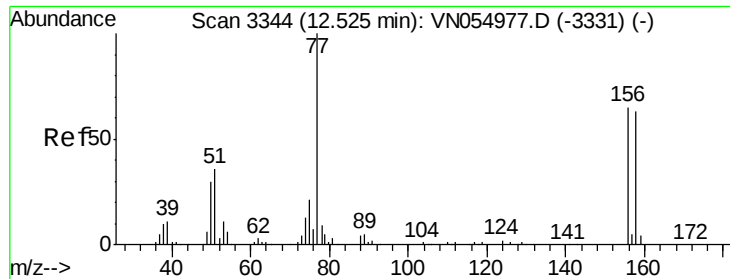
#72
 1,2,3-Trichloropropane
 Concen: 30.786 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion	75	Resp	110889
Ion Ratio	Lower	Upper	
75	100		
77	160.3	0.0	466.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0

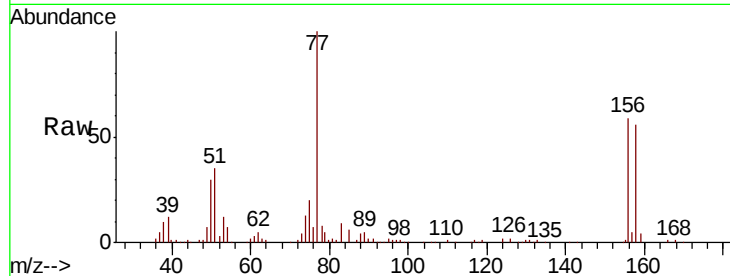




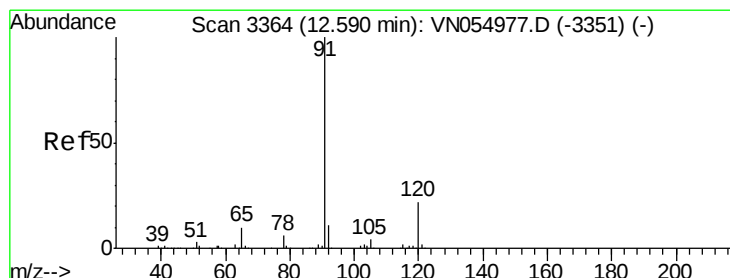
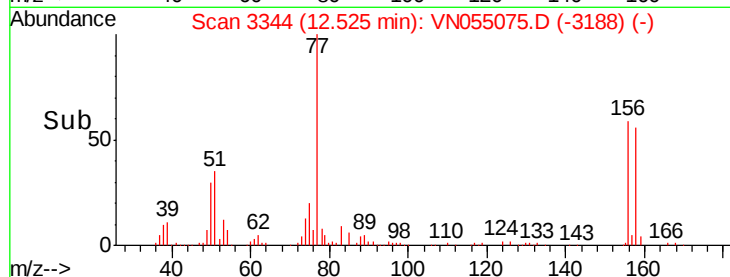
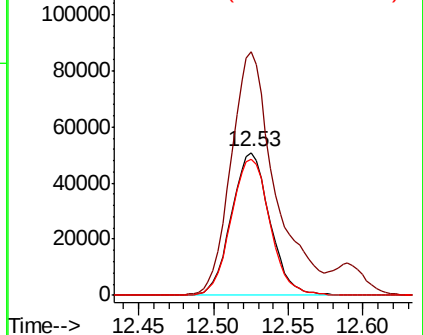
#73
Bromobenzene
Concen: 20.185 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

Tot Ion:156 Resp: 90979
Ion Ratio Lower Upper
156 100
77 195.3 0.0 383.2
158 97.0 0.0 193.8

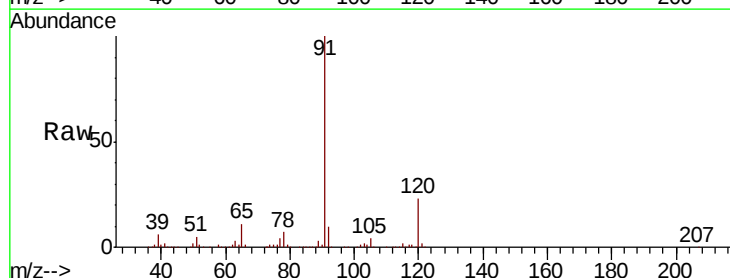


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

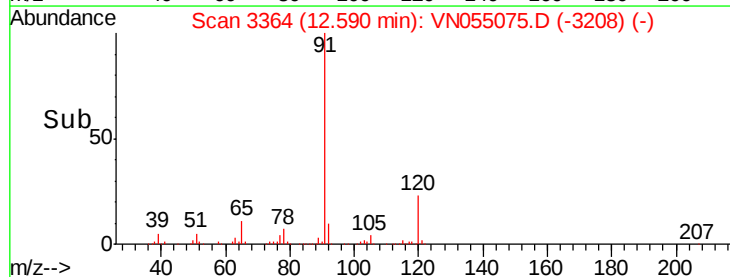
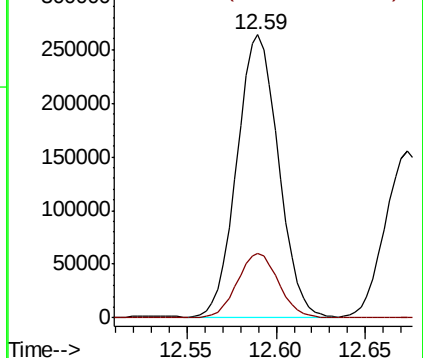


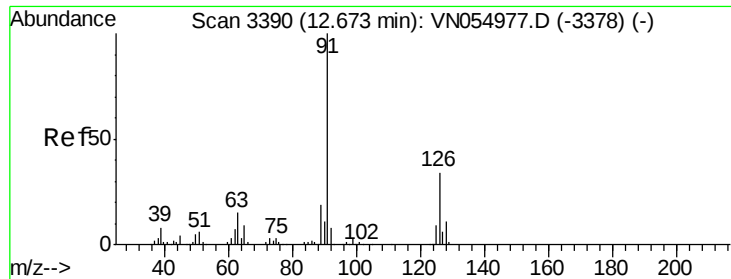
#74
n-propylbenzene
Concen: 20.145 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 91 Resp: 430056
Ion Ratio Lower Upper
91 100
120 22.5 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.693 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055075.D

Acq: 16 Apr 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

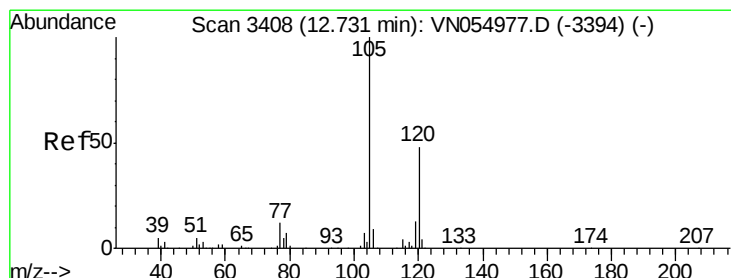
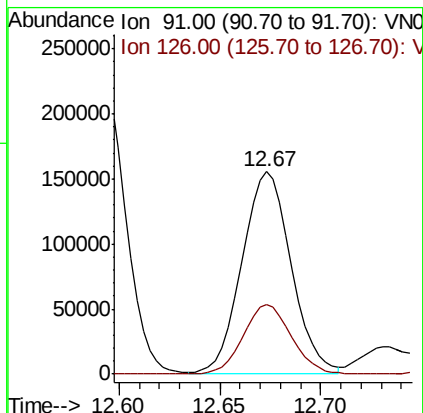
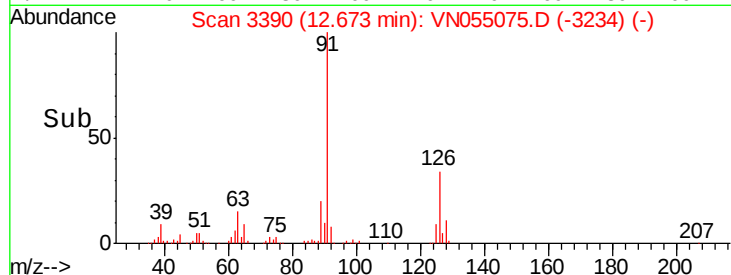
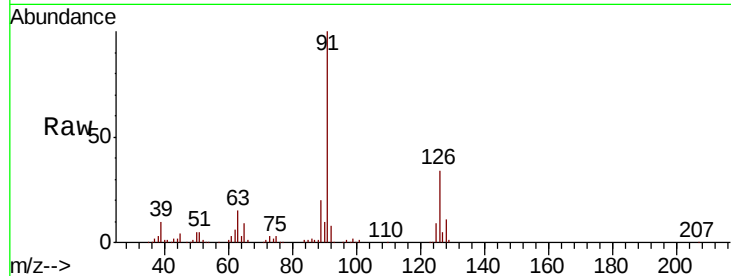
VN0416WBS01

Tot Ion: 91 Resp: 266431

Ion Ratio Lower Upper

91 100

126 33.7 0.0 67.4



#76

1,3,5-Trimethylbenzene

Concen: 20.562 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055075.D

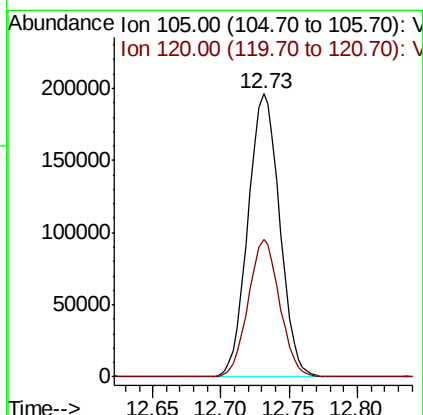
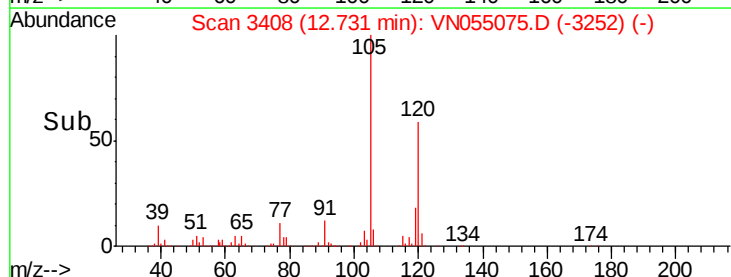
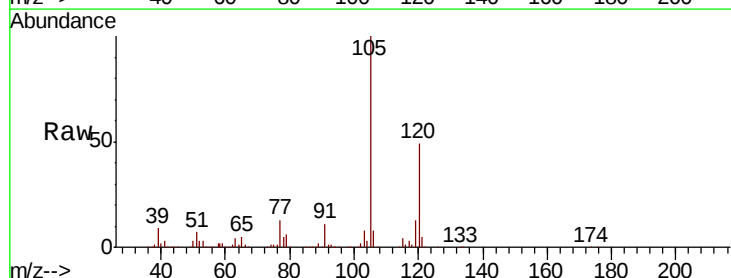
Acq: 16 Apr 2019 13:48

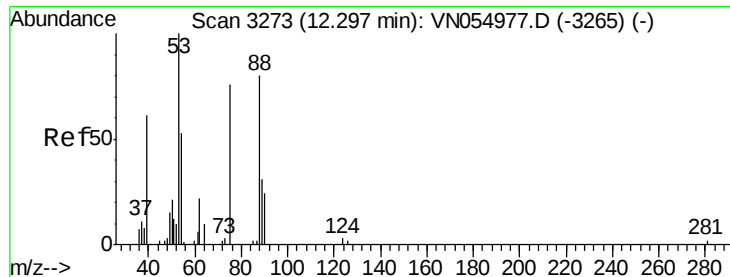
Tgt Ion: 105 Resp: 317009

Ion Ratio Lower Upper

105 100

120 48.1 0.0 94.8

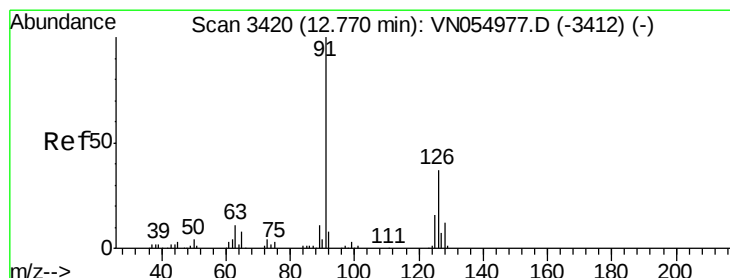
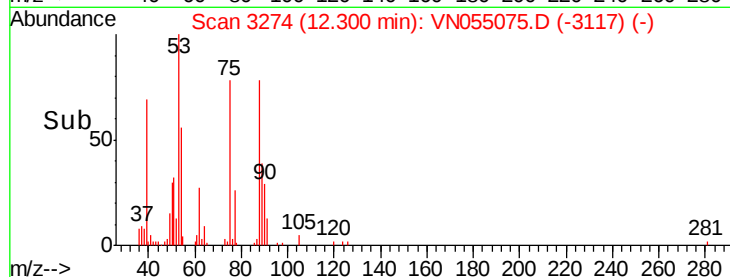
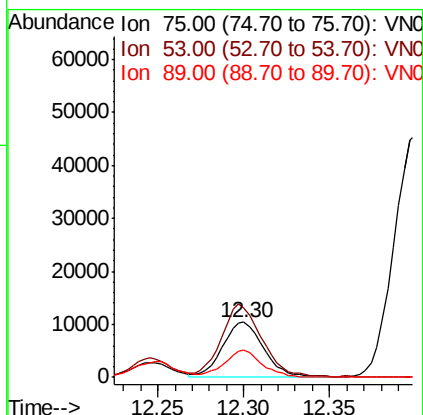
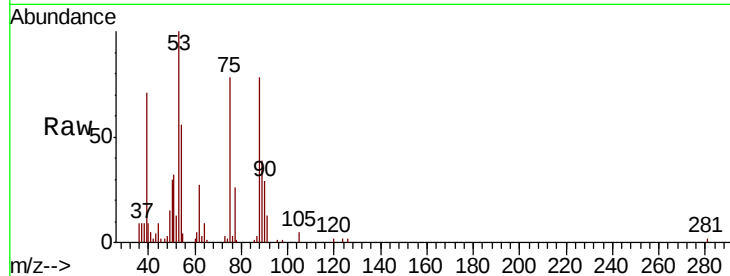




#77
t-1,4-Dichloro-2-butene
Concen: 19.474 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

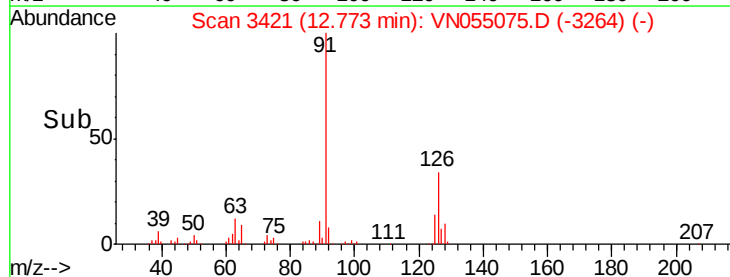
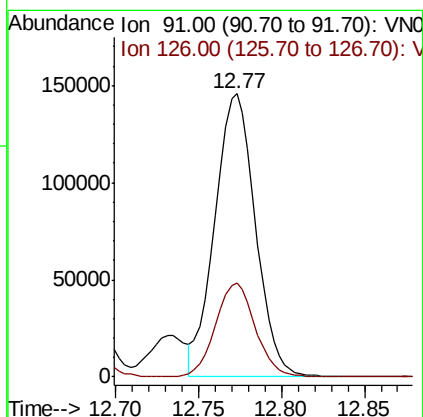
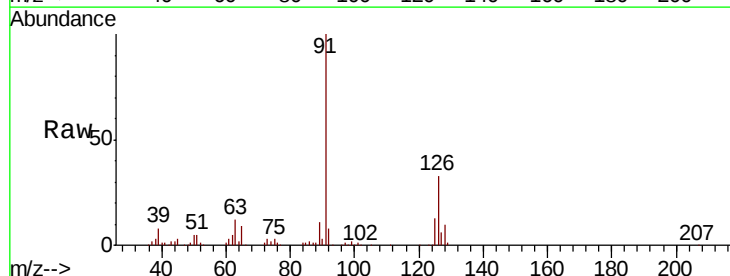
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

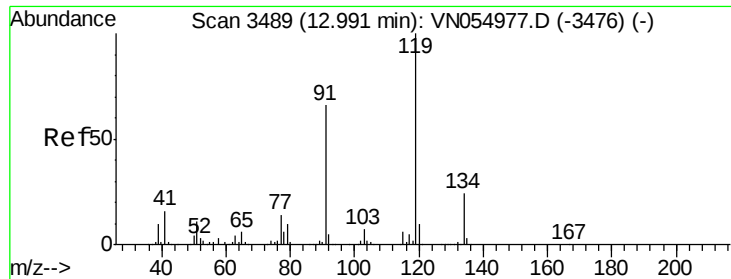
Tot Ion: 75 Resp: 17681
Ion Ratio Lower Upper
75 100
53 127.5 64.3 192.7
89 49.1 21.6 65.0



#78
4-Chlorotoluene
Concen: 20.264 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 91 Resp: 248603
Ion Ratio Lower Upper
91 100
126 32.4 0.0 66.6

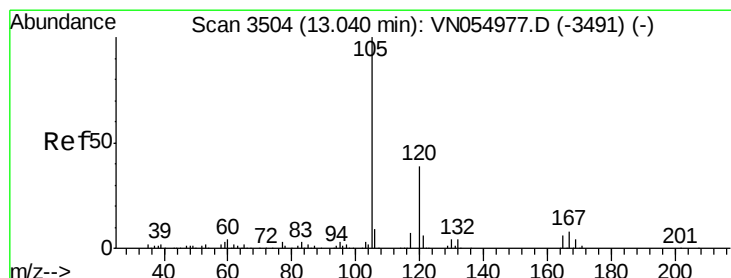
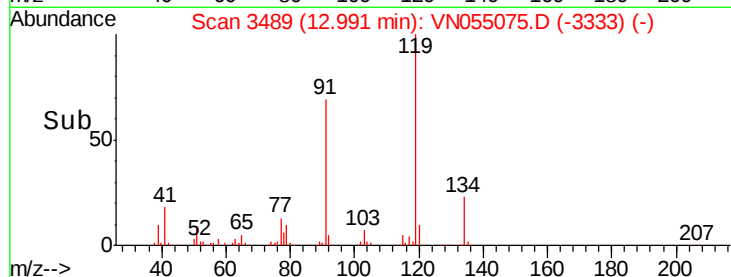
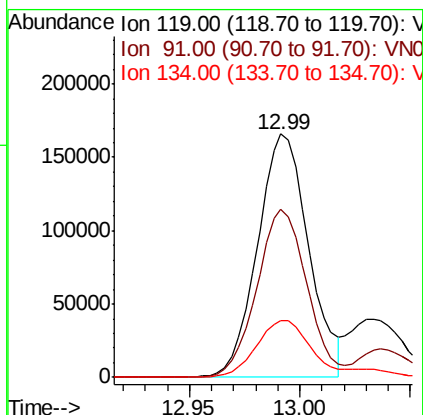
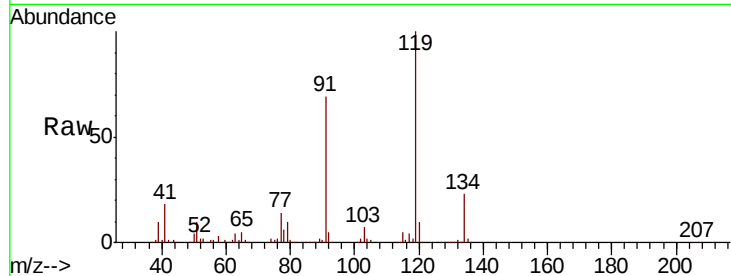




#79
tert-butylbenzene
Concen: 20.002 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

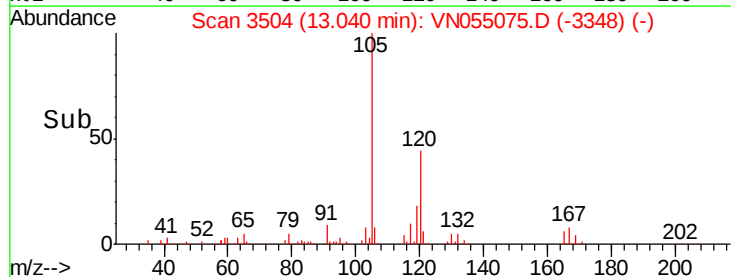
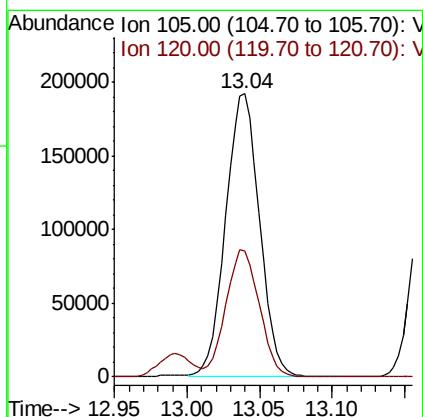
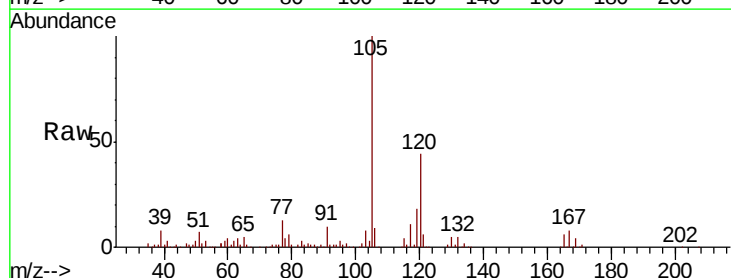
Instrument :
MSVOA_N
ClientSampled :
VN0416WBS01

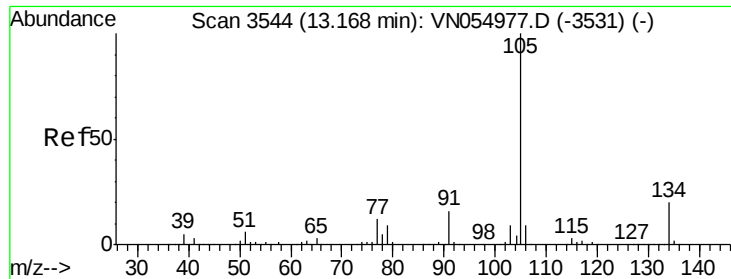
Tot Ion:119 Resp: 266822
Ion Ratio Lower Upper
119 100
91 67.6 0.0 132.6
134 24.7 0.0 47.6



#80
1,2,4-Trimethylbenzene
Concen: 20.572 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion:105 Resp: 311568
Ion Ratio Lower Upper
105 100
120 44.5 0.0 91.4

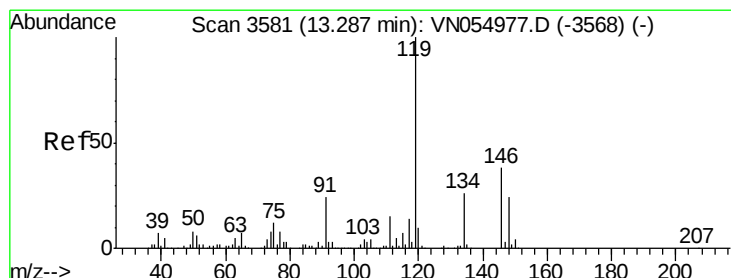
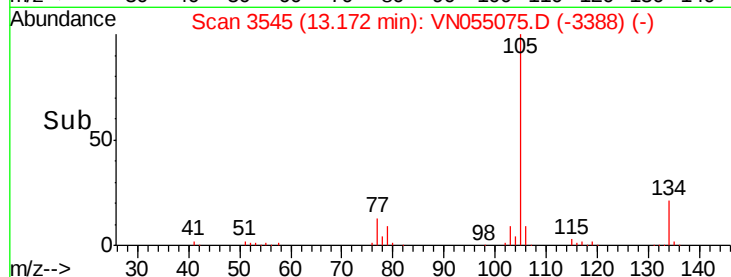
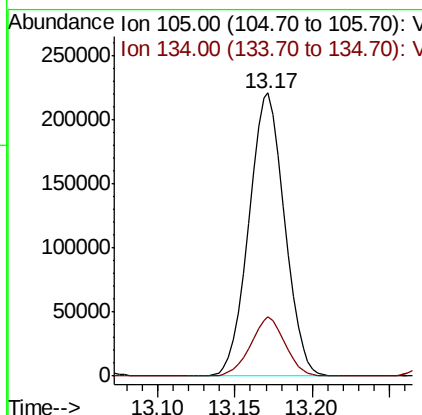
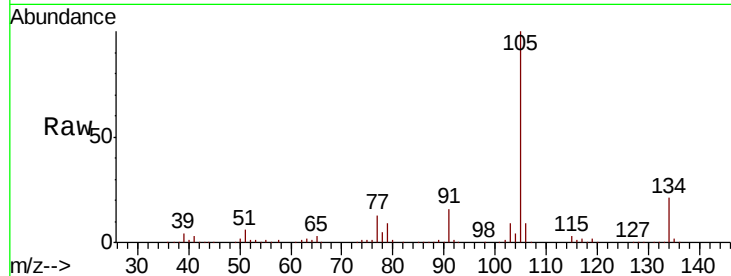




#81
 sec-Butylbenzene
 Concen: 19.930 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

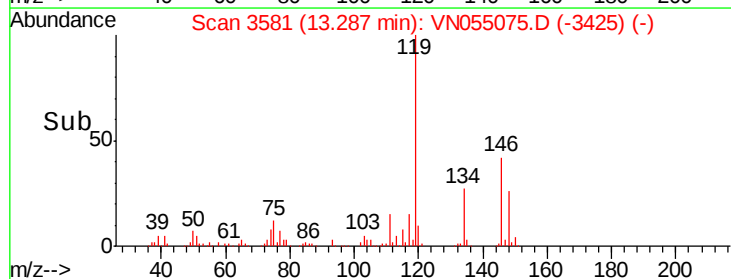
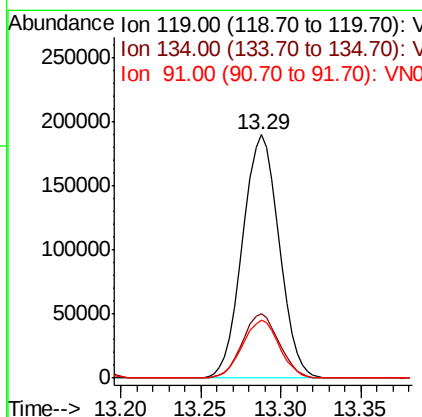
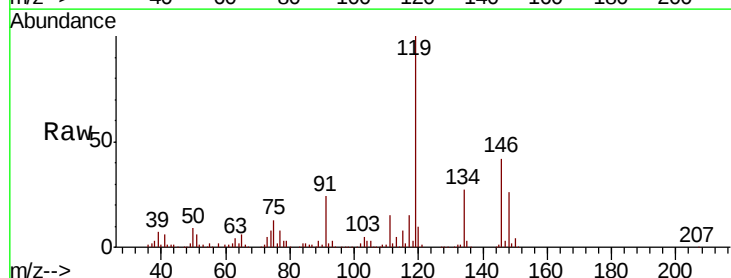
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

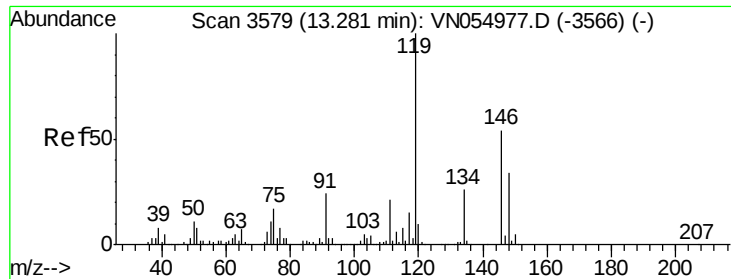
Tot Ion:105 Resp: 355248
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.0



#82
 p-Isopropyltoluene
 Concen: 19.664 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion:119 Resp: 295802
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 53.2
 91 24.1 0.0 47.8

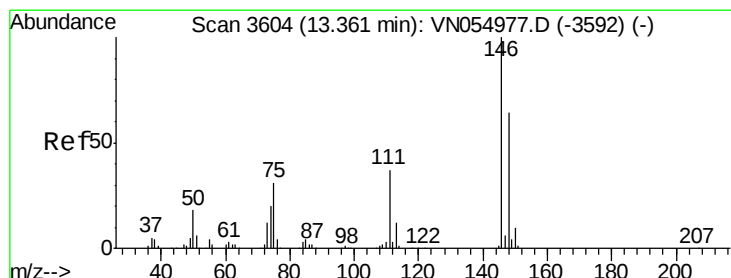
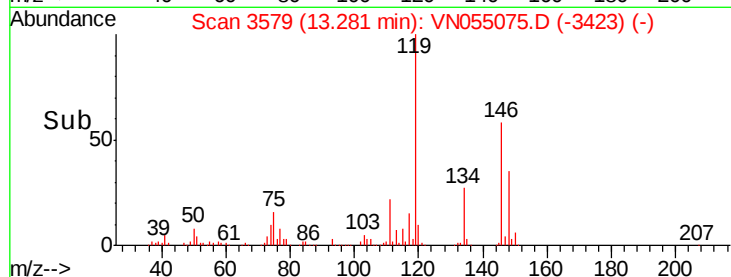
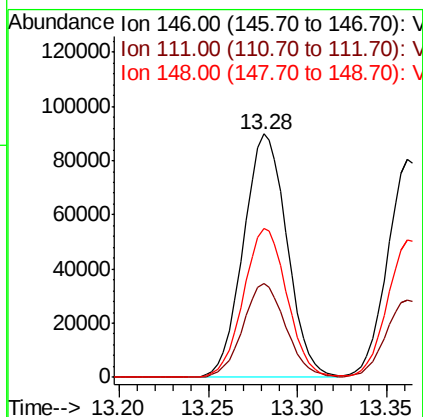
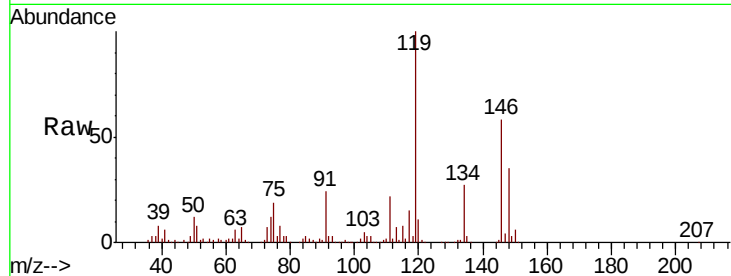




#83
 1,3-Dichlorobenzene
 Concen: 20.373 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

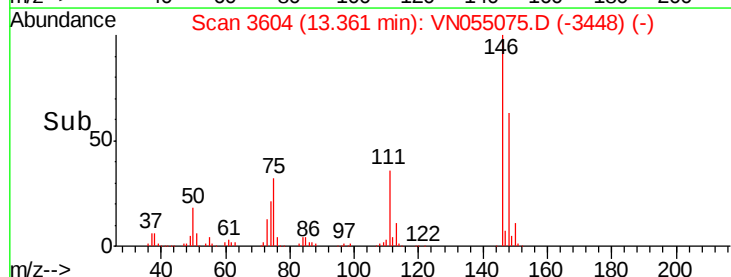
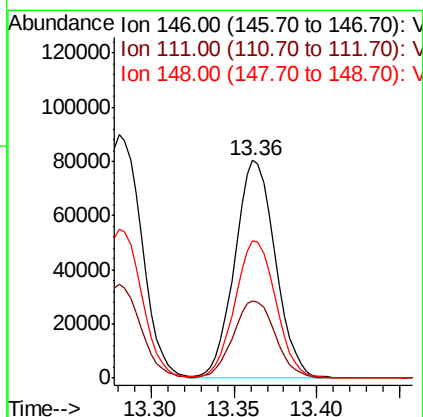
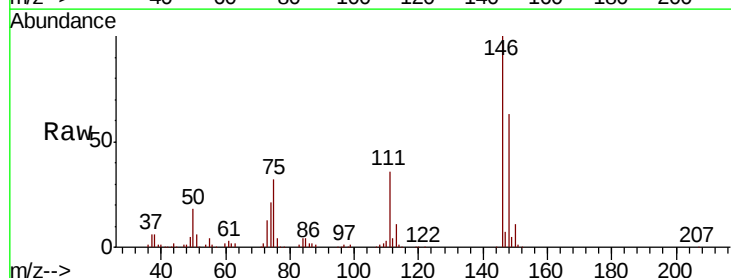
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

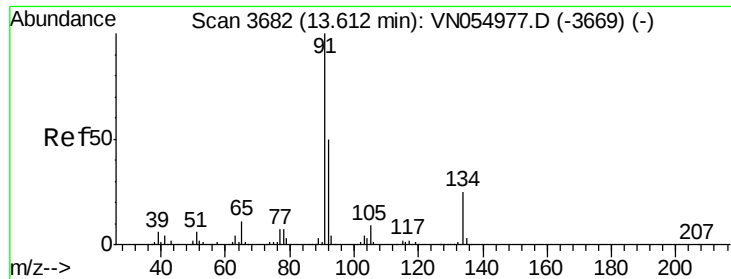
Tot Ion:146 Resp: 153624
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.5
 148 61.1 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 19.055 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion:146 Resp: 136537
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.4 55.2
 148 63.9 32.5 97.4

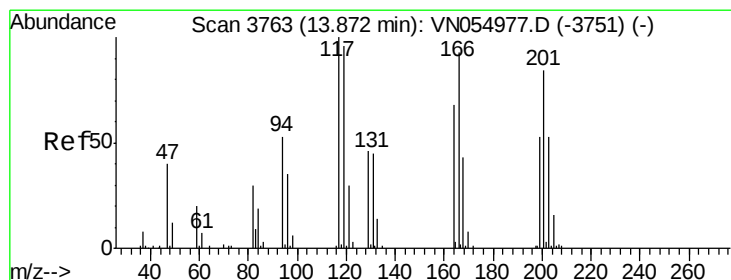
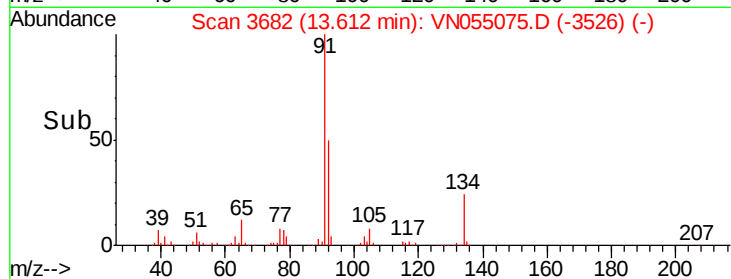
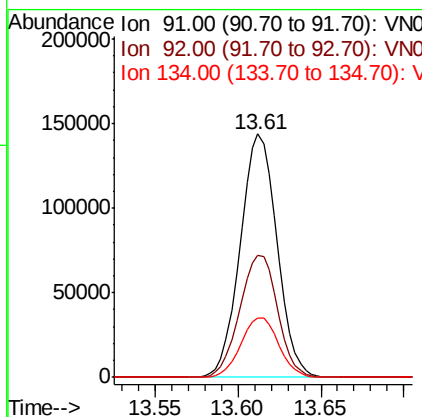
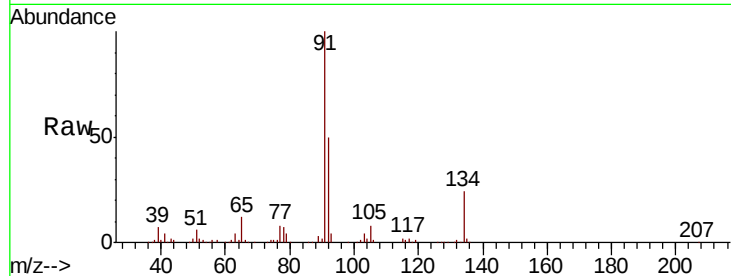




#85
n-Butylbenzene
Concen: 18.523 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

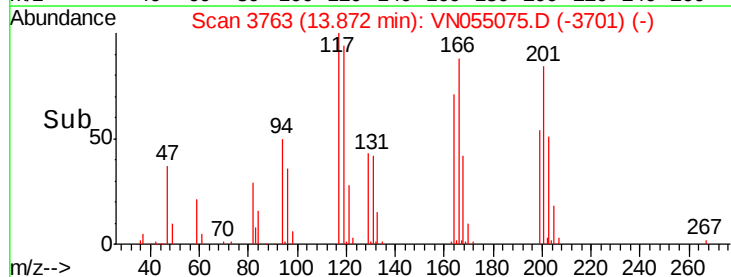
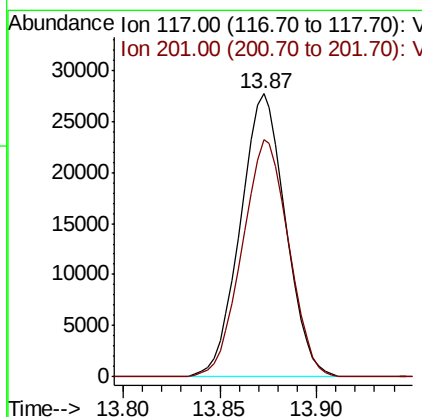
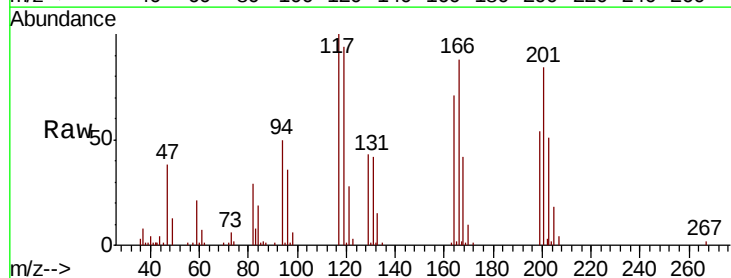
Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

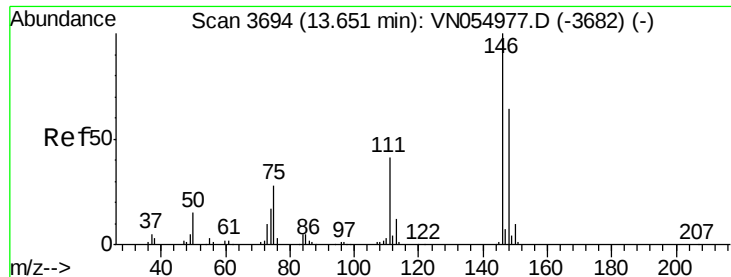
Tot Ion: 91 Resp: 221959
Ion Ratio Lower Upper
91 100
92 51.8 0.0 101.4
134 25.2 0.0 49.8



#86
Hexachloroethane
Concen: 18.733 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion: 117 Resp: 45112
Ion Ratio Lower Upper
117 100
201 85.9 42.8 128.3

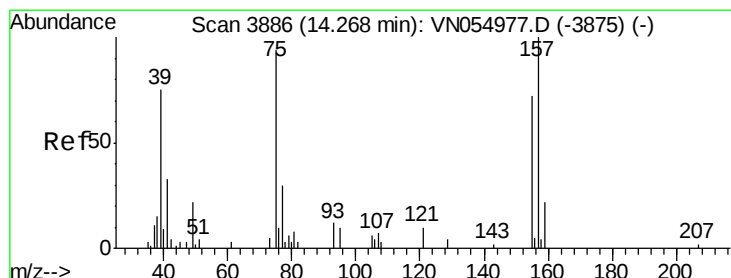
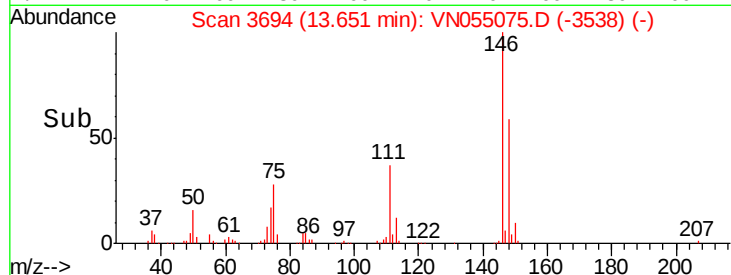
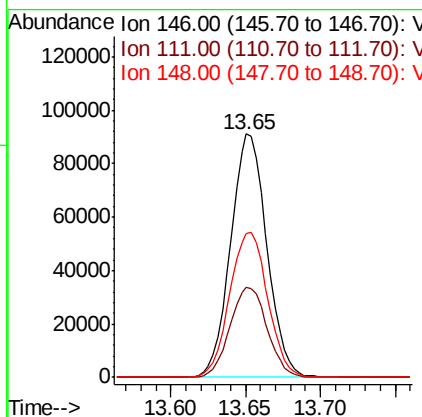
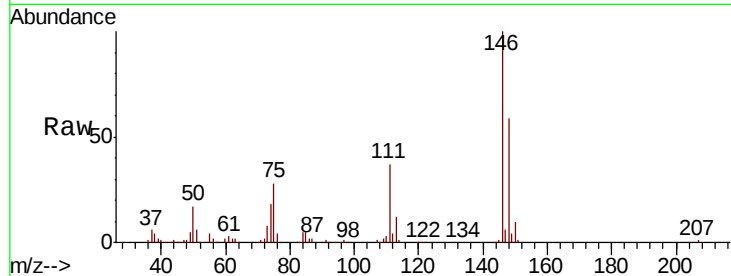




#87
 1,2-Dichlorobenzene
 Concen: 20.758 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

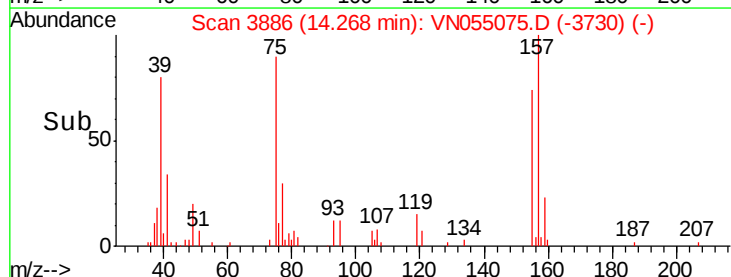
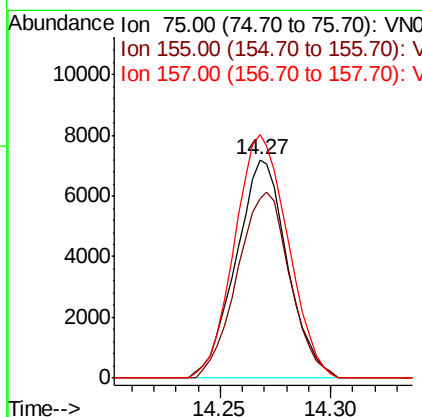
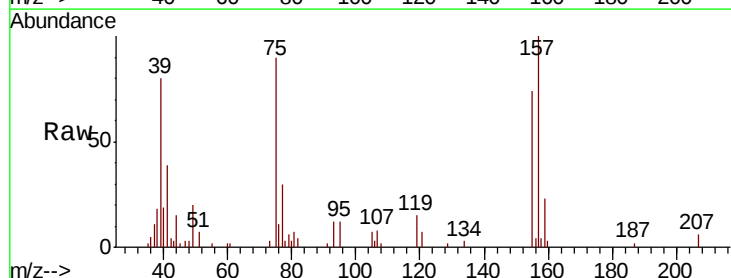
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0416WBS01

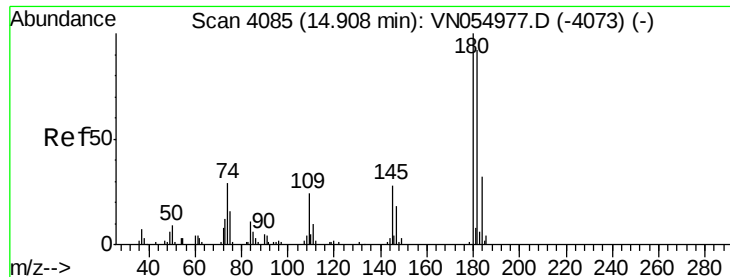
Tot Ion:146 Resp: 153289
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.3 60.8
 148 62.6 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.044 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion: 75 Resp: 11619
 Ion Ratio Lower Upper
 75 100
 155 87.2 61.8 92.8
 157 115.6 82.7 124.1

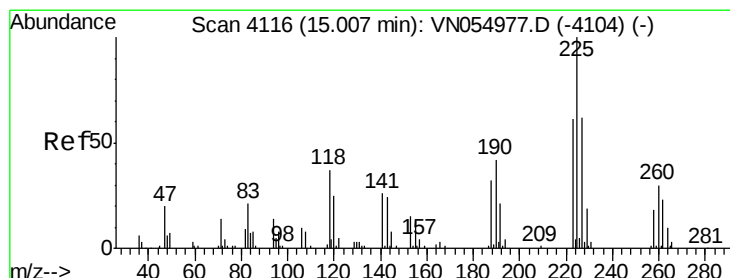
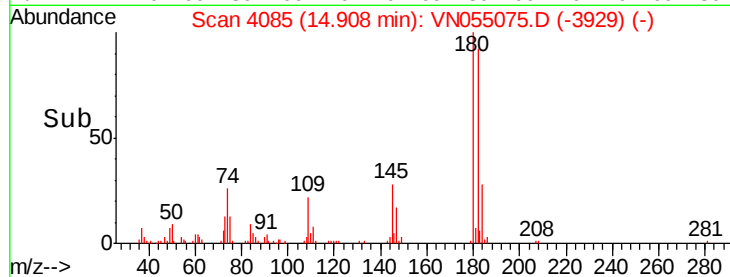
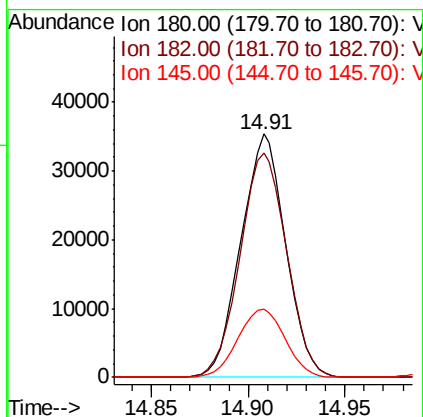
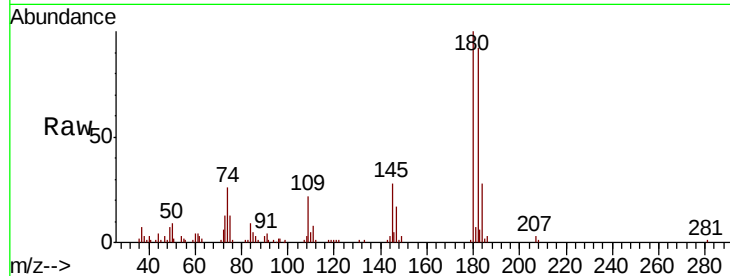




#89
 1,2,4-Trichlorobenzene
 Concen: 17.290 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

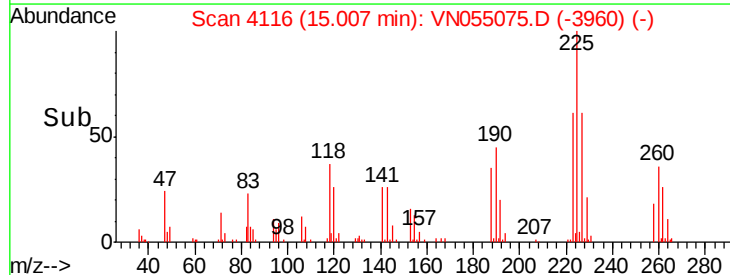
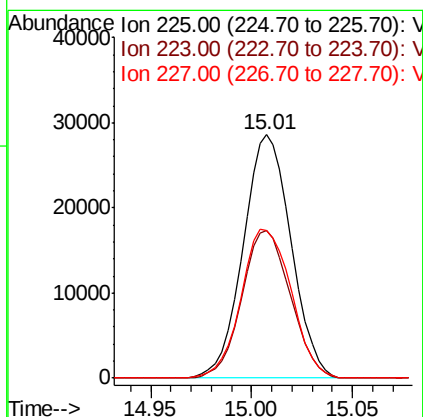
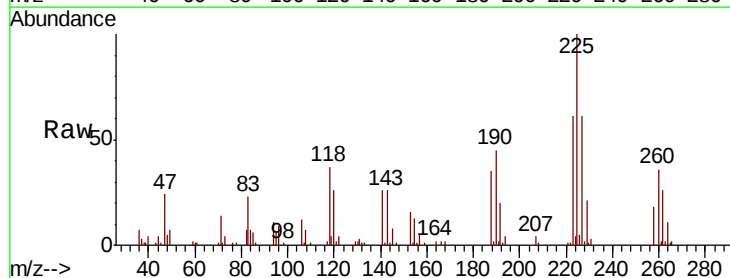
Instrument :
 MSVOA_N
 ClientSampled :
 VN0416WBS01

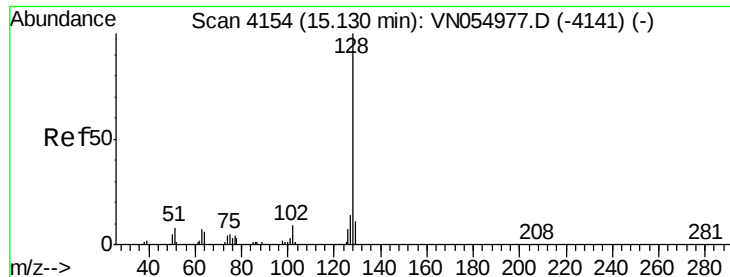
Tot Ion:180 Resp: 57082
 Ion Ratio Lower Upper
 180 100
 182 95.7 73.2 109.8
 145 29.6 23.2 34.8



#90
 Hexachlorobutadiene
 Concen: 19.719 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055075.D
 Acq: 16 Apr 2019 13:48

Tgt Ion:225 Resp: 47466
 Ion Ratio Lower Upper
 225 100
 223 61.7 0.0 126.0
 227 64.2 0.0 125.4

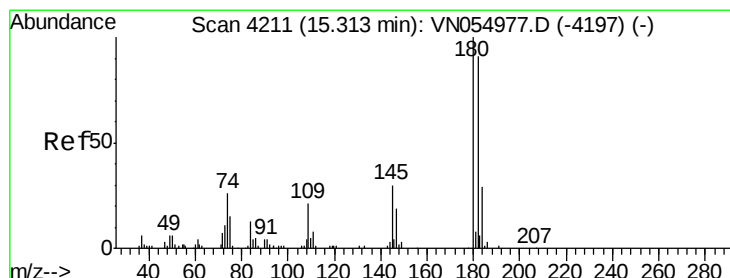
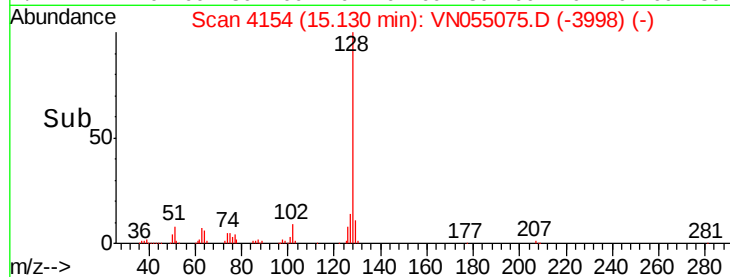
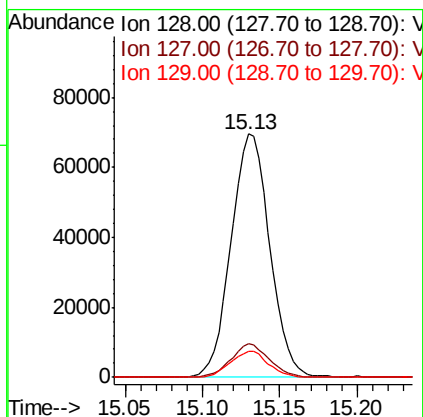
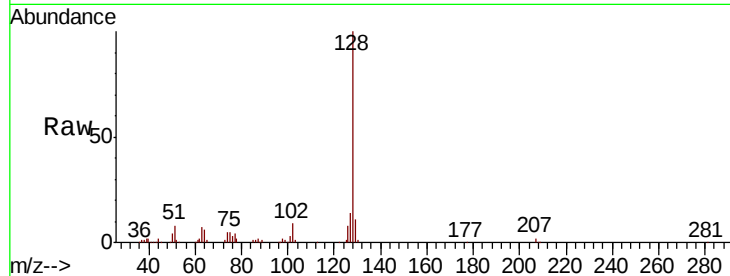




#91
Naphthalene
Concen: 17.491 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0416WBS01

Tot Ion:128 Resp: 120918
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.5 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 17.451 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN055075.D
Acq: 16 Apr 2019 13:48

Tgt Ion:180 Resp: 57621
Ion Ratio Lower Upper
180 100
182 97.4 0.0 188.2
145 31.5 0.0 61.2

