

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056027.D
 Acq On : 6 Jun 2019 00:43
 Operator : JC/SP
 Sample : VN0606WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Quant Time: Jun 06 04:13:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	54410	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	286356	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	255765	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	100768	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	110769	29.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.40%
63) Toluene-d8	10.09	98	351571	30.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	65806	21.503	ug/l 99
3) Chloromethane	2.06	50	75706	21.173	ug/l 99
4) Vinyl Chloride	2.18	62	76149	20.888	ug/l 99
5) Bromomethane	2.54	94	48875	21.333	ug/l 99
6) Chloroethane	2.69	64	44510	21.586	ug/l 93
7) Trichlorofluoromethane	3.00	101	92285	20.460	ug/l 98
8) Diethyl Ether	3.40	74	39268	20.527	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55525	19.943	ug/l 98
10) 1,1-Dichloroethene	3.72	96	58340	20.541	ug/l 98
11) Methyl Iodide	3.94	142	78076	17.424	ug/l 99
12) Methyl Acetate	4.33	43	69008	20.219	ug/l 99
13) Acrolein	3.60	56	17166	103.191	ug/l 100
14) Acrylonitrile	4.99	53	157333	103.371	ug/l 100
15) Acetone	3.82	58	43849	87.988	ug/l 99
16) Carbon Disulfide	4.04	76	130474	19.307	ug/l 98
17) Allyl chloride	4.31	41	87211	19.818	ug/l 98
18) Methylene Chloride	4.54	84	67713	20.594	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	62329	20.559	ug/l 95
20) Diisopropyl ether	5.96	45	186154	20.417	ug/l 98
21) 1,1-Dichloroethane	5.84	63	109937	20.748	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	73646	20.813	ug/l 97
23) tert-Butyl Alcohol	4.82	59	55124	93.047	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	187218	20.684	ug/l 100
25) Chloroform	7.37	83	108653	20.536	ug/l 100
26) Cyclohexane	7.65	56	99169	20.174	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	81567	21.058	ug/l 100
30) 2-Butanone	6.84	43	204067	100.073	ug/l 99
31) 2,2-Dichloropropane	6.82	77	60751	16.859	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	89627	20.943	ug/l 100
33) Carbon Tetrachloride	7.77	117	72850	20.092	ug/l 99
34) Benzene	8.04	78	262688	21.285	ug/l 98
35) Methacrylonitrile	7.18	41	38365	22.280	ug/l 99
36) 1,2-Dichloroethane	8.12	62	80596	20.849	ug/l 100
37) Trichloroethene	8.83	130	72279	20.929	ug/l 99
38) Methylcyclohexane	9.08	83	98454	20.049	ug/l 100
39) 1,2-Dichloropropane	9.12	63	66887	21.161	ug/l 98
40) Dibromomethane	9.21	93	43582	20.795	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	77095	20.543	ug/l	99
42) Vinyl Acetate	5.90	43	756594	104.071	ug/l	100
43) Ethyl Acetate	6.93	43	82071	21.030	ug/l	95
44) Isopropyl Acetate	8.17	43	123584	20.395	ug/l	98
45) 1,4-Dioxane	9.20	88	25868	399.070	ug/l #	87
46) Methyl methacrylate	9.20	41	62759	20.848	ug/l	97
47) n-amyl Acetate	12.07	43	99778	19.911	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	75460	19.107	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	89918	19.443	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	65914	21.175	ug/l	99
51) Ethyl methacrylate	10.43	69	95273	20.230	ug/l	98
52) 1,3-Dichloropropane	10.71	76	105759	20.957	ug/l	99
53) Dibromochloromethane	10.90	129	59952	19.674	ug/l	98
54) 1,2-Dibromoethane	11.00	107	67475	20.772	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	158209	95.909	ug/l	100
56) Bromoform	12.13	173	40920	18.562	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	403867	104.280	ug/l	100
59) 2-Hexanone	10.75	43	283046	102.251	ug/l	100
61) Tetrachloroethene	10.63	164	76769	21.536	ug/l	97
62) Toluene	10.16	91	285204	20.656	ug/l	99
64) Chlorobenzene	11.43	112	172169	20.558	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	61051	20.216	ug/l	98
66) Ethyl Benzene	11.51	91	303530	20.640	ug/l	100
67) m/p-Xylenes	11.62	106	231951	41.207	ug/l	98
68) o-Xylene	11.95	106	115625	20.982	ug/l	99
69) Styrene	11.96	104	182533	20.387	ug/l	99
70) Isopropylbenzene	12.25	105	303160	21.056	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	89766	20.679	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	100945	26.862	ug/l	73
73) Bromobenzene	12.53	156	78796	20.618	ug/l	99
74) n-propylbenzene	12.59	91	311210	20.482	ug/l	100
75) 2-Chlorotoluene	12.67	91	195598	20.754	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	243573	20.566	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	17311	16.144	ug/l	93
78) 4-Chlorotoluene	12.77	91	179644	20.410	ug/l	98
79) tert-butylbenzene	12.99	119	218442	20.819	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	238723	20.721	ug/l	99
81) sec-Butylbenzene	13.17	105	275932	20.788	ug/l	100
82) p-Isopropyltoluene	13.29	119	243844	20.319	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	118362	19.873	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	107875	19.015	ug/l	99
85) n-Butylbenzene	13.61	91	166046	18.538	ug/l	99
86) Hexachloroethane	13.87	117	35403	18.923	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	120404	19.889	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12695	18.631	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	45390	19.244	ug/l	97
90) Hexachlorobutadiene	15.01	225	43025	19.468	ug/l	99
91) Naphthalene	15.13	128	130392	16.218	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	54368	17.157	ug/l	99

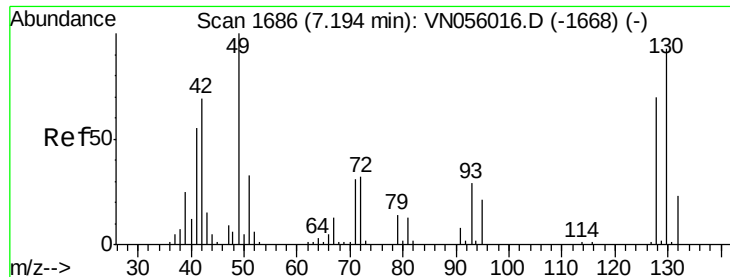
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
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Acq On : 6 Jun 2019 00:43
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

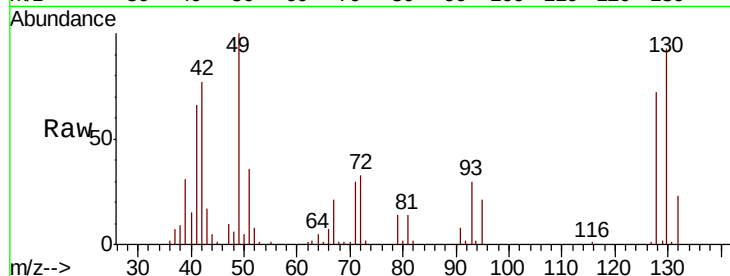
Tot Ion:128 Resp: 54410

Ion Ratio Lower Upper

128 100

49 139.8 0.0 355.8

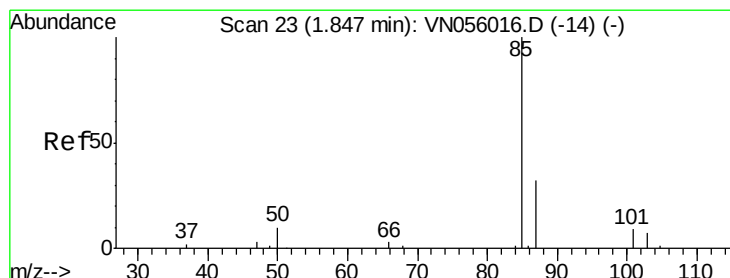
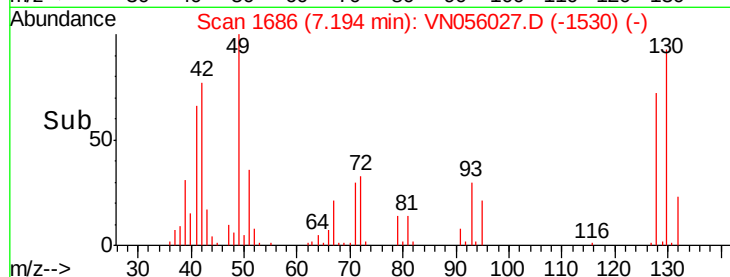
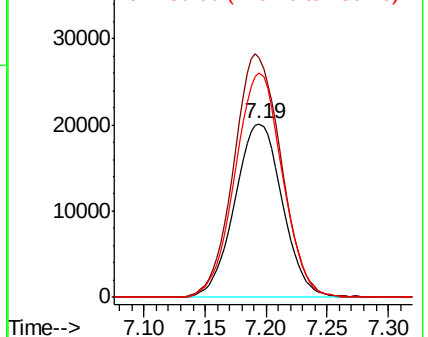
130 128.5 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.503 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056027.D

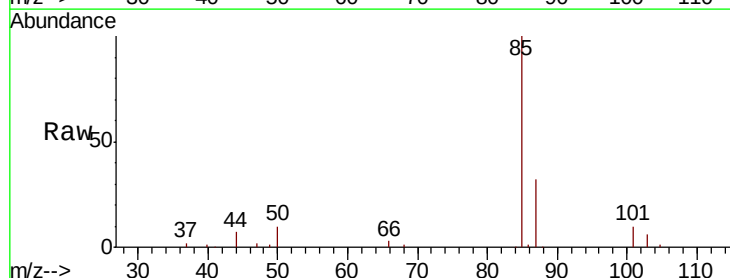
Acq: 6 Jun 2019 00:43

Tgt Ion: 85 Resp: 65806

Ion Ratio Lower Upper

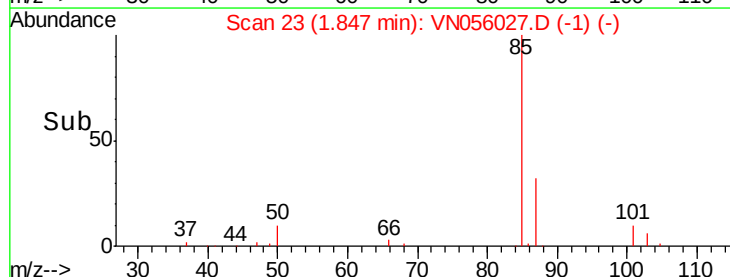
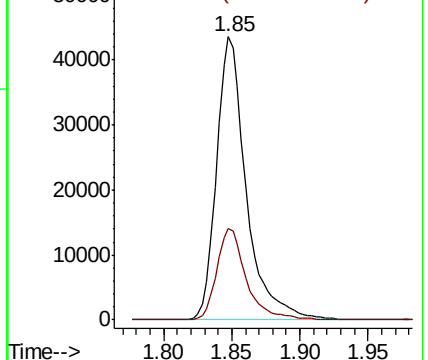
85 100

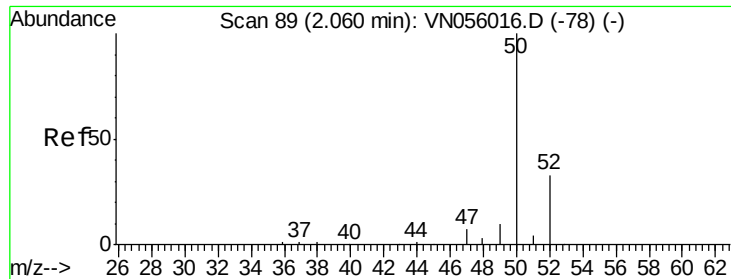
87 32.1 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.173 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

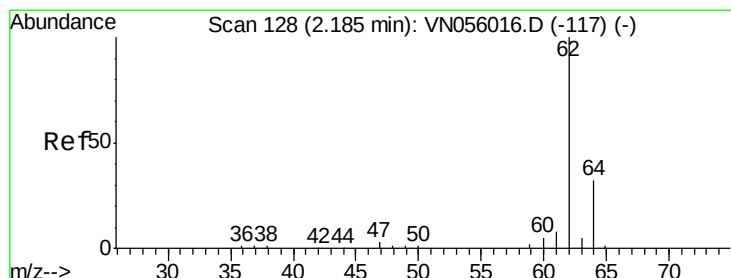
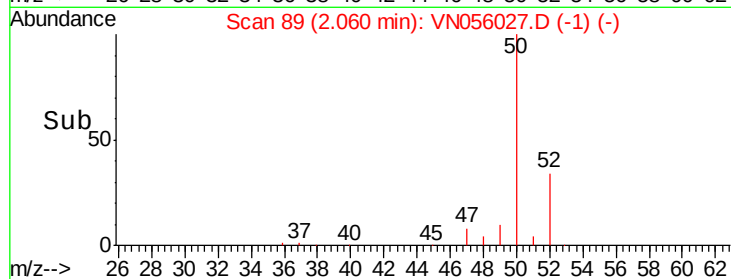
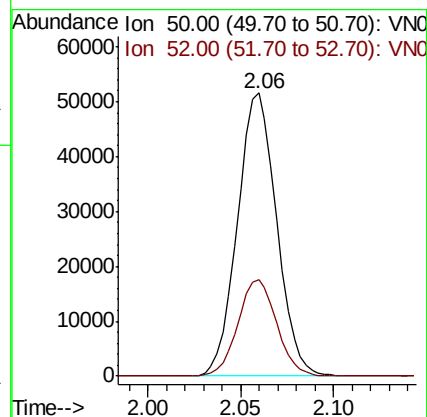
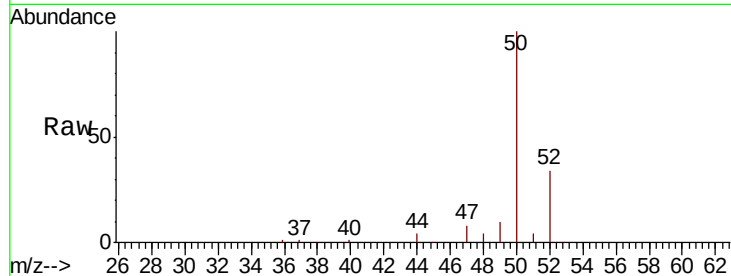
VN0606WBSD01

Tot Ion: 50 Resp: 75706

Ion Ratio Lower Upper

50 100

52 34.1 26.7 40.1



#4

Vinyl Chloride

Concen: 20.888 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056027.D

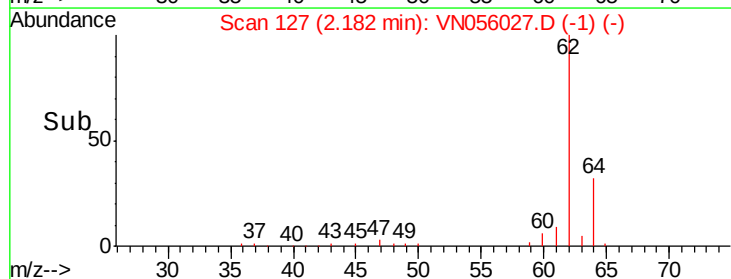
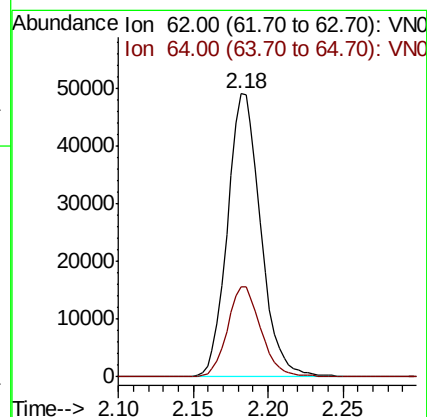
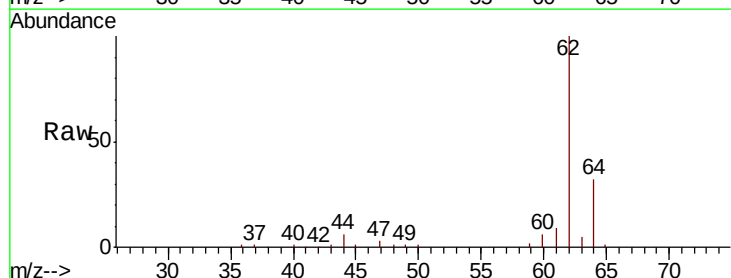
Acq: 6 Jun 2019 00:43

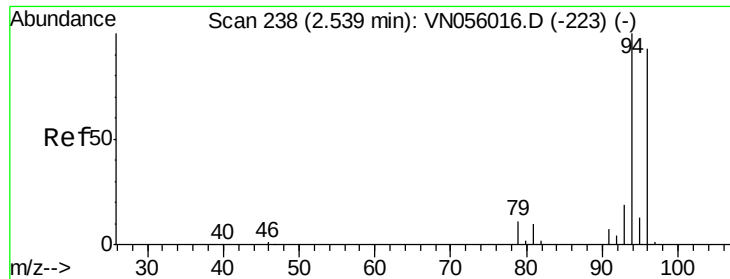
Tgt Ion: 62 Resp: 76149

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8

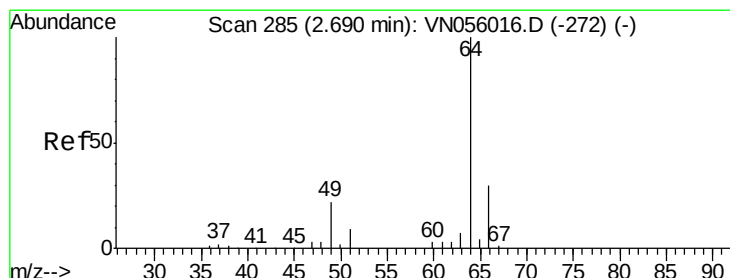
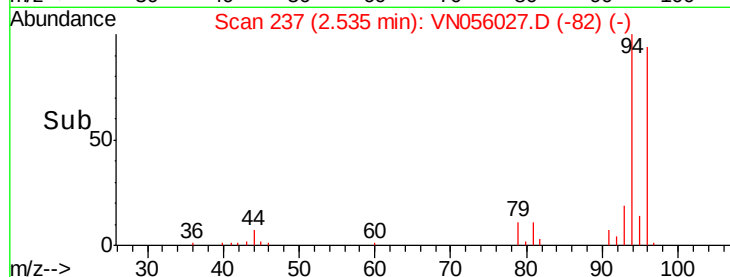
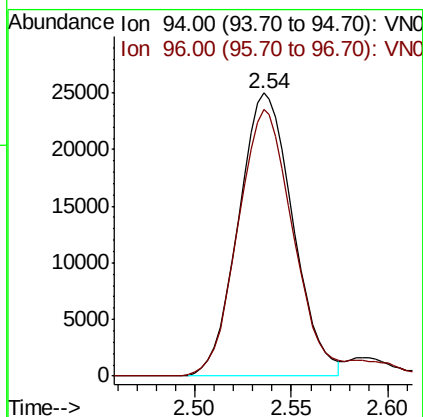
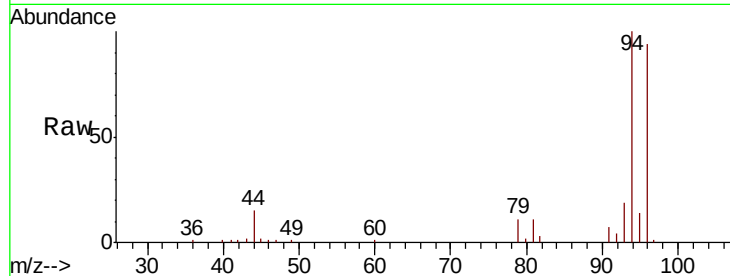




#5
Bromomethane
Concen: 21.333 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

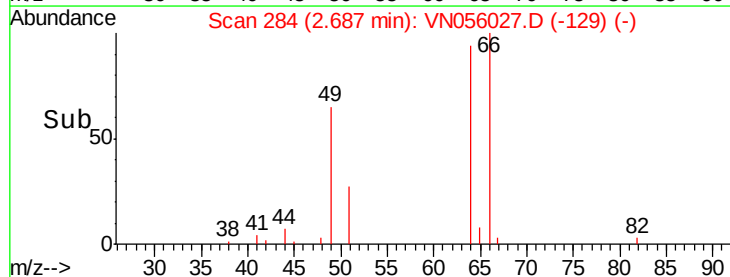
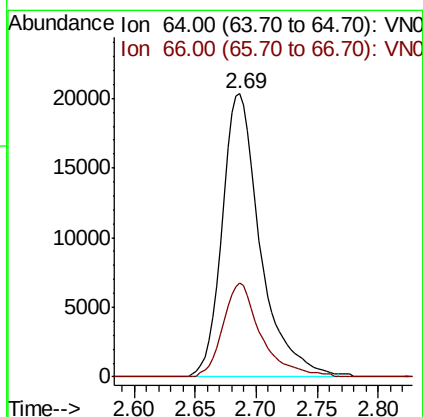
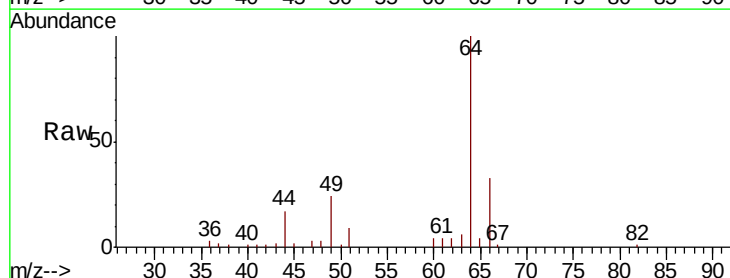
Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

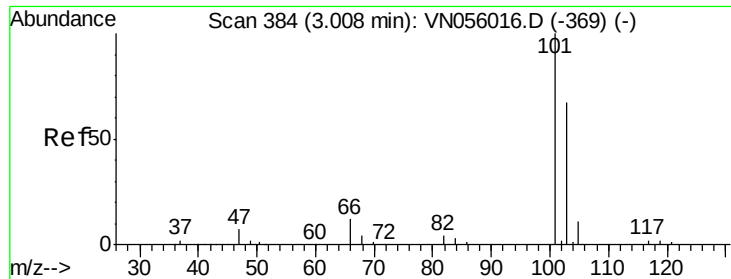
Tot Ion: 94 Resp: 48875
Ion Ratio Lower Upper
94 100
96 93.5 74.1 111.1



#6
Chloroethane
Concen: 21.586 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 64 Resp: 44510
Ion Ratio Lower Upper
64 100
66 33.4 23.7 35.5



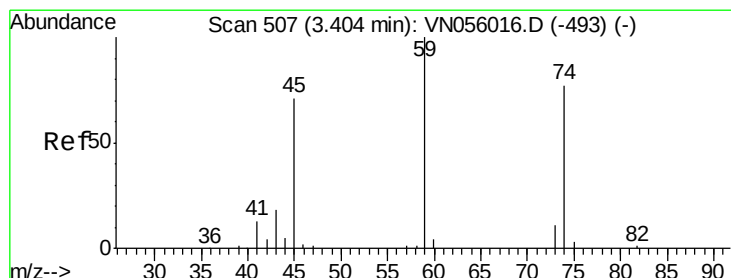
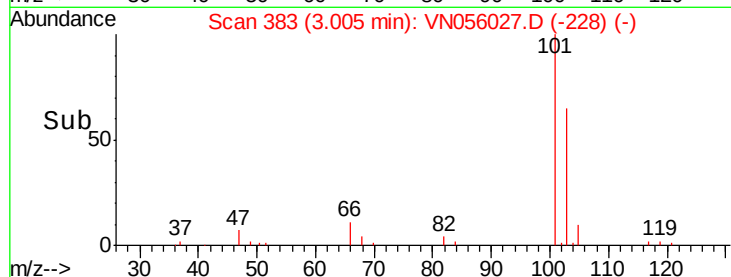
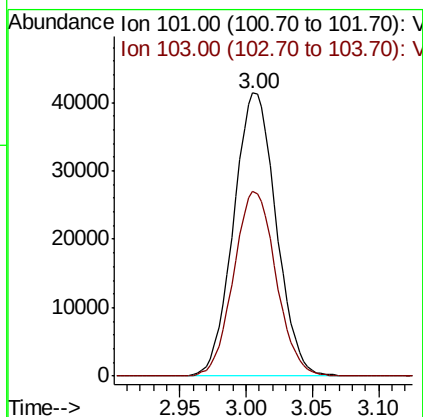
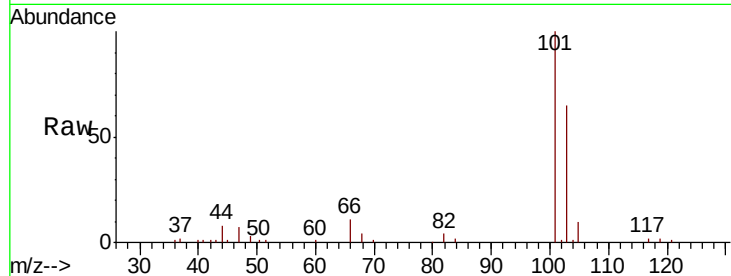


#7

Trichlorofluoromethane
 Concen: 20.460 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
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 ClientSampleId :
 VN0606WBSD01

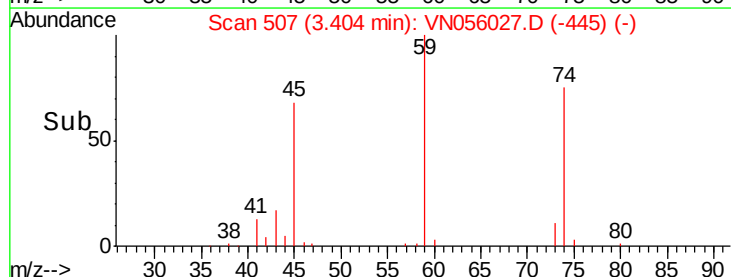
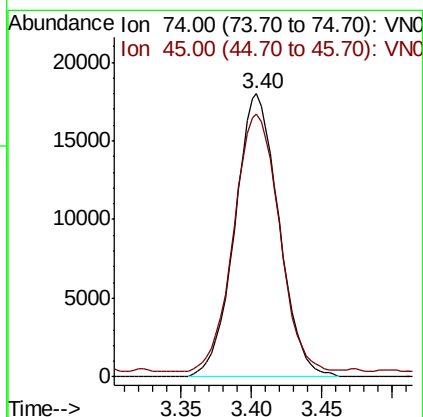
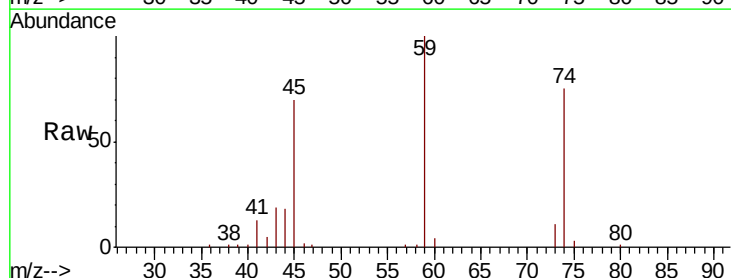
Tot Ion:101 Resp: 92285
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.4 80.0

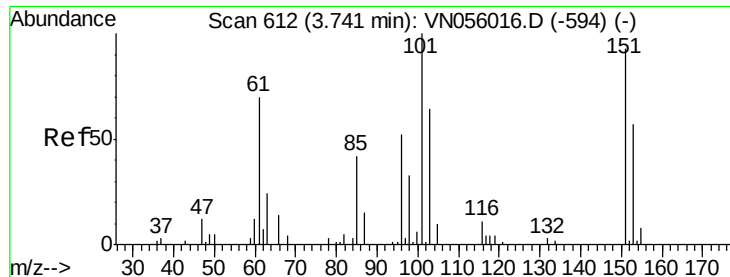


#8

Diethyl Ether
 Concen: 20.527 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 74 Resp: 39268
 Ion Ratio Lower Upper
 74 100
 45 93.5 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.943 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

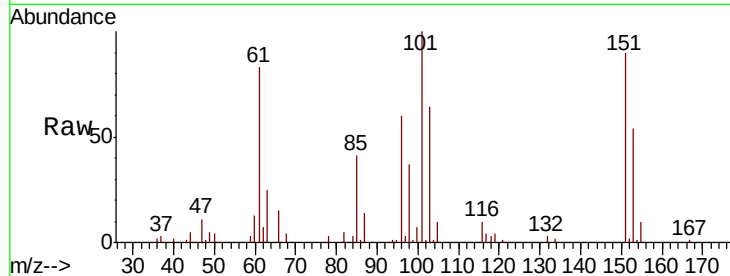
Tot Ion:101 Resp: 55525

Ion Ratio Lower Upper

101 100

85 42.1 0.0 82.0

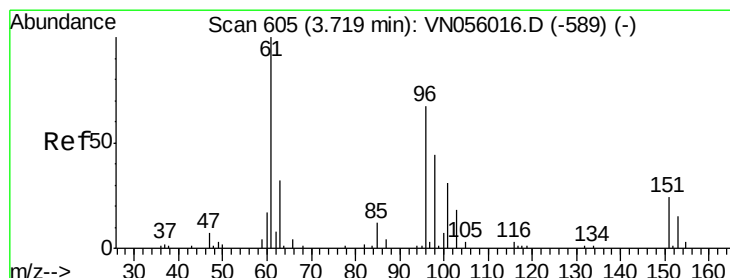
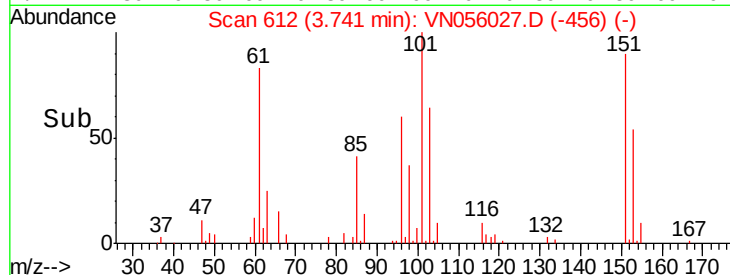
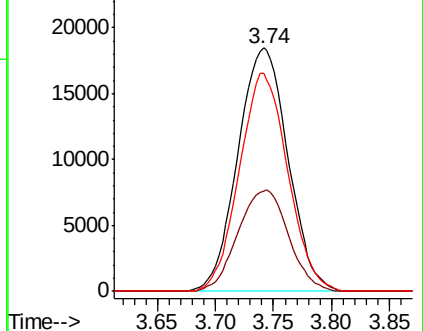
151 86.7 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.541 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

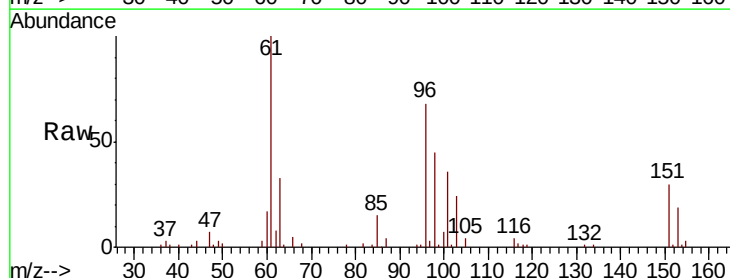
Tgt Ion: 96 Resp: 58340

Ion Ratio Lower Upper

96 100

61 146.0 119.7 179.5

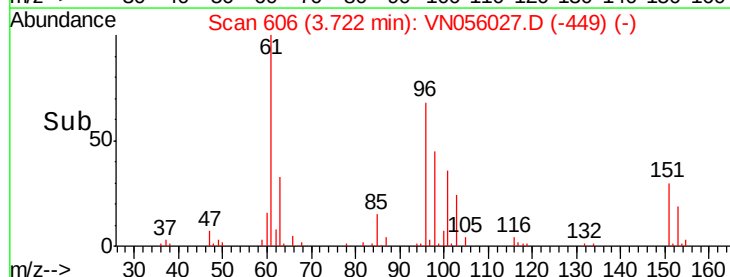
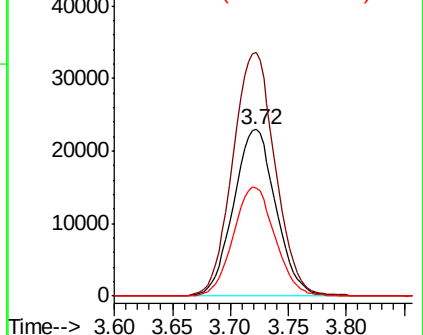
98 65.1 52.3 78.5

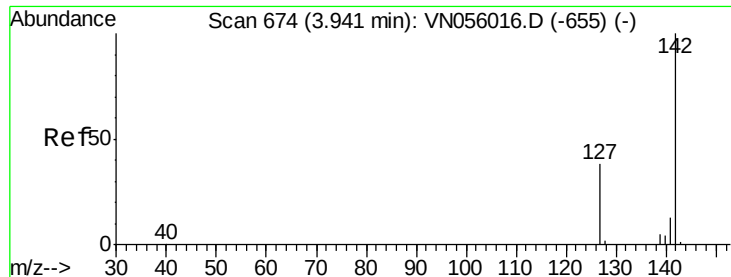


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

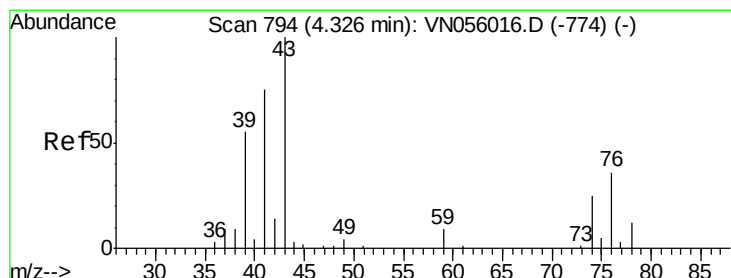
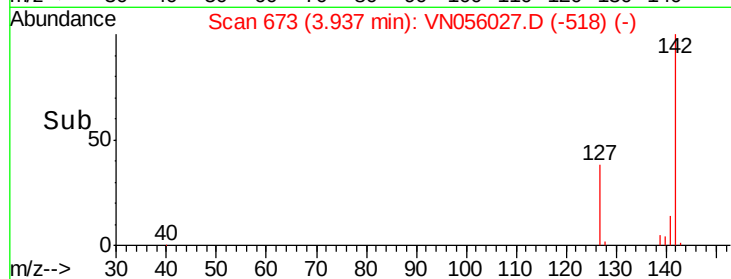
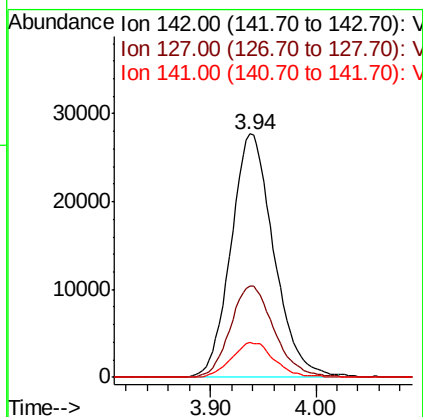
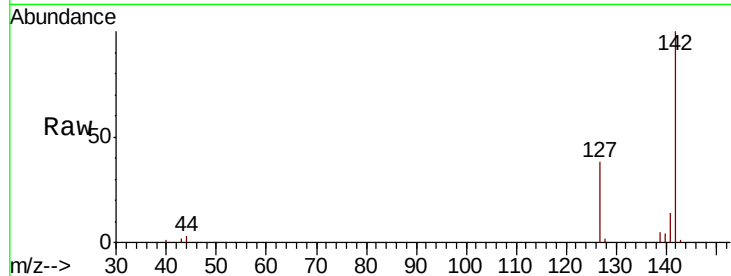




#11
Methyl Iodide
Concen: 17.424 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

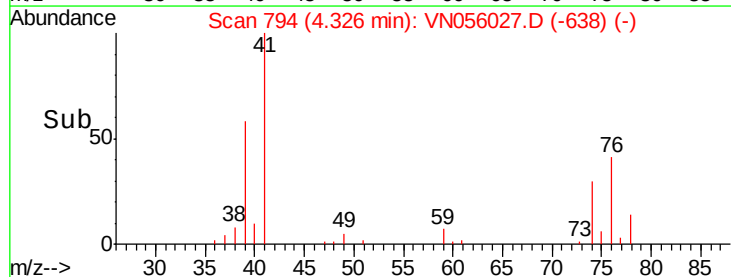
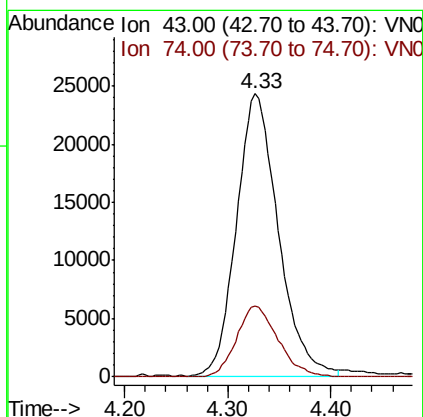
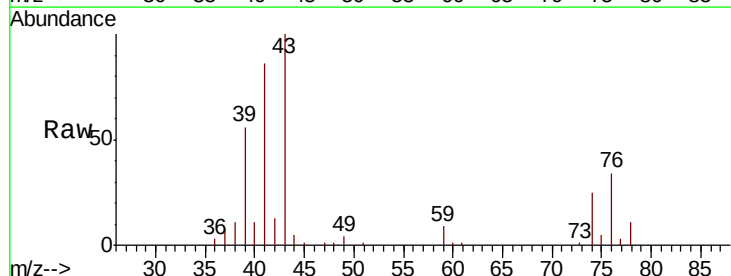
Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

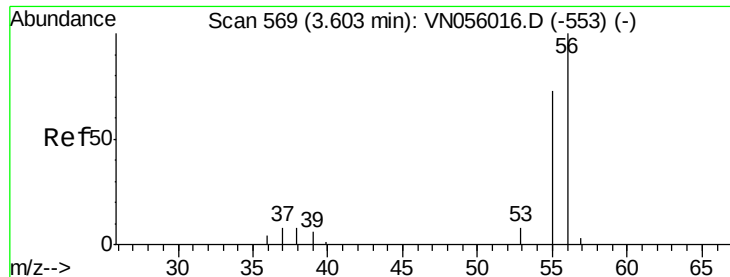
Tot Ion:142 Resp: 78076
Ion Ratio Lower Upper
142 100
127 37.4 19.0 57.0
141 14.2 6.7 20.0



#12
Methyl Acetate
Concen: 20.219 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 43 Resp: 69008
Ion Ratio Lower Upper
43 100
74 25.2 19.9 29.9





#13

Acrolein

Concen: 103.191 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

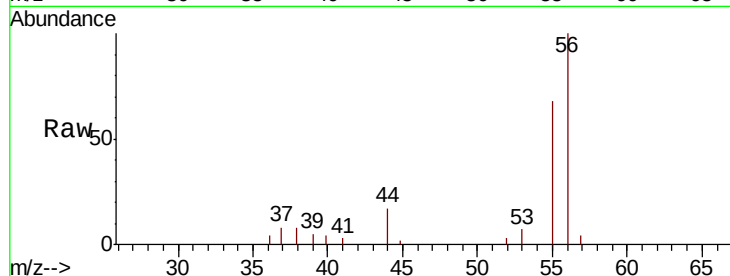
VN0606WBSD01

Tot Ion: 56 Resp: 17166

Ion Ratio Lower Upper

56 100

55 72.7 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

8000

6000

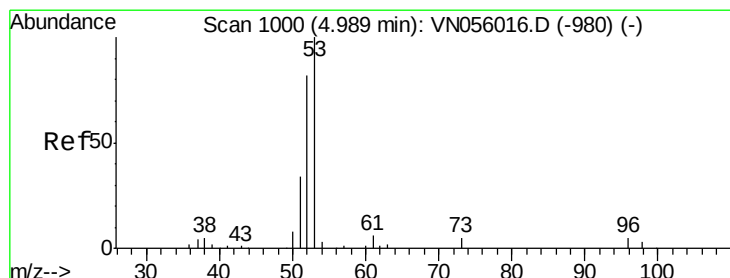
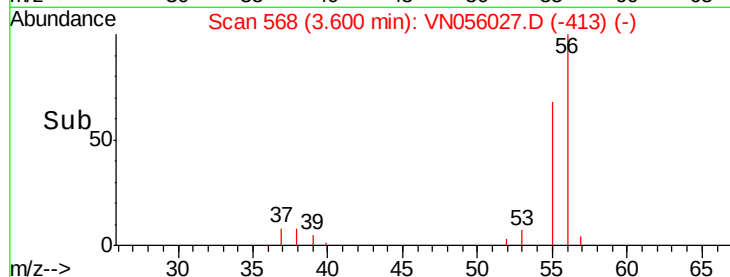
4000

2000

0

Time-->

3.55 3.60 3.65



#14

Acrylonitrile

Concen: 103.371 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

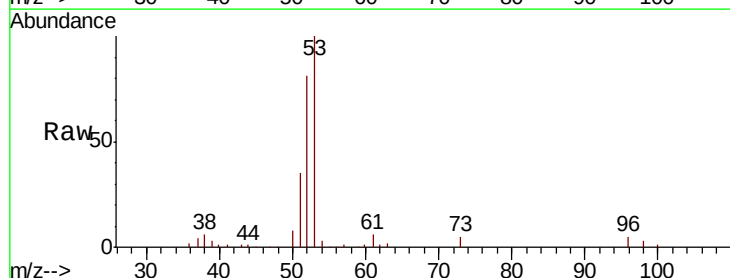
Tgt Ion: 53 Resp: 157333

Ion Ratio Lower Upper

53 100

52 81.9 40.8 122.2

51 34.9 17.3 52.0



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

4.99

60000

50000

40000

30000

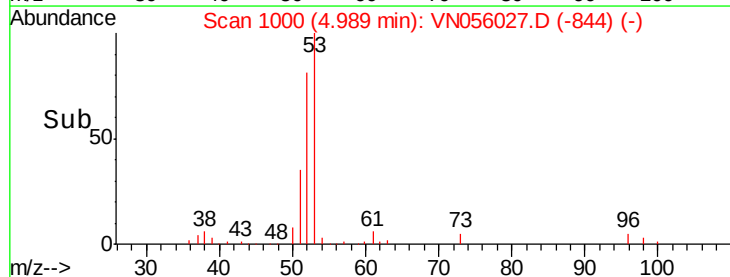
20000

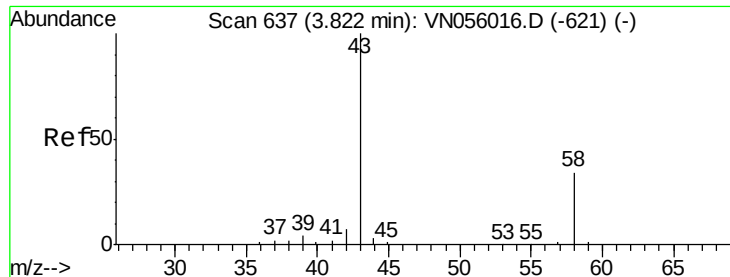
10000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 87.988 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

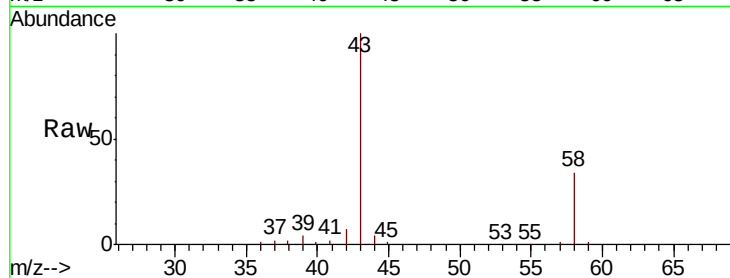
VN0606WBSD01

Tot Ion: 58 Resp: 43849

Ion Ratio Lower Upper

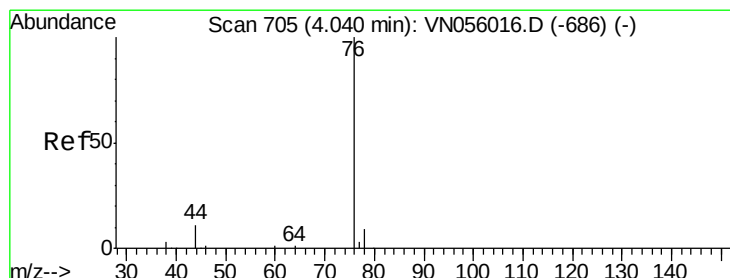
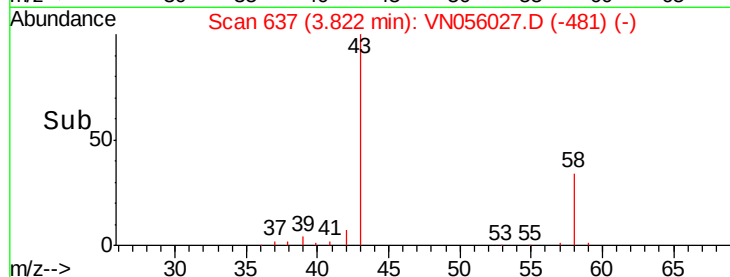
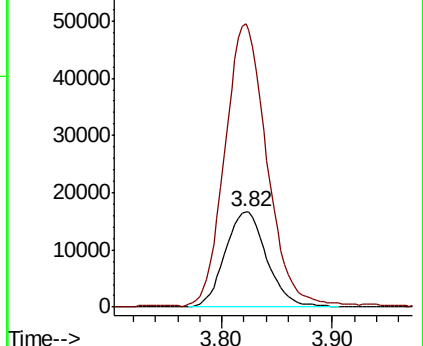
58 100

43 293.0 232.5 348.7



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.307 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056027.D

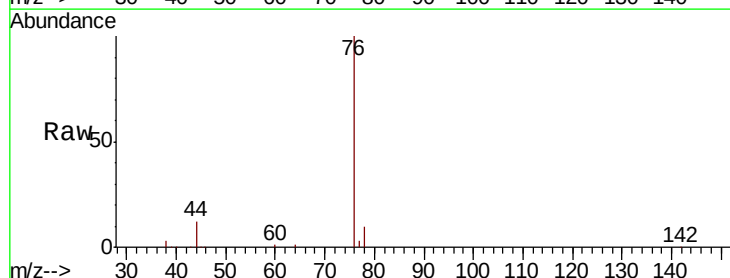
Acq: 6 Jun 2019 00:43

Tgt Ion: 76 Resp: 130474

Ion Ratio Lower Upper

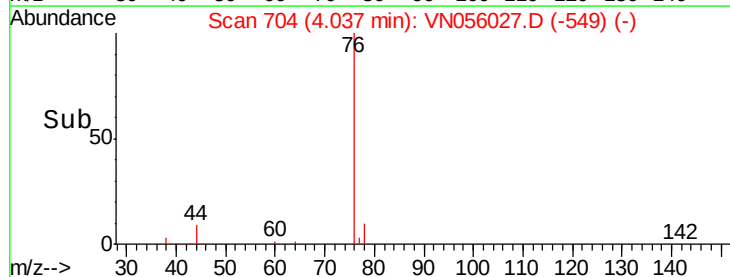
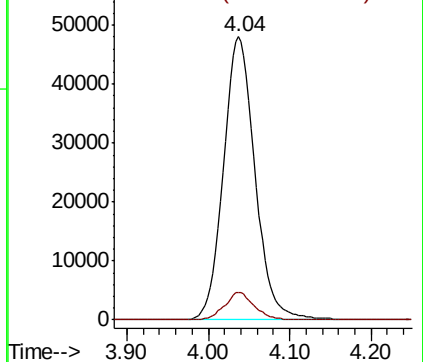
76 100

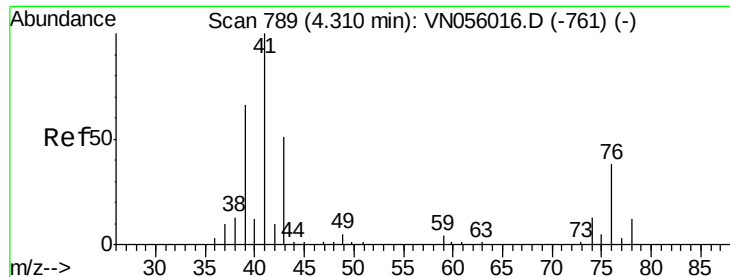
78 9.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 19.818 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

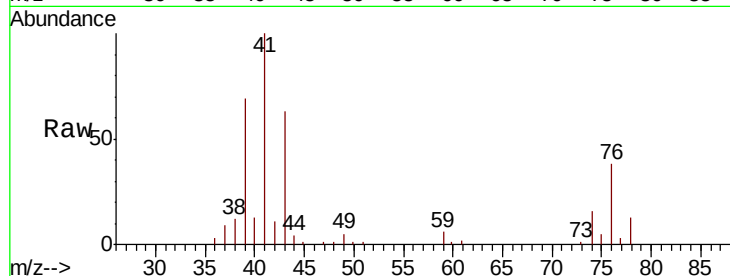
Tot Ion: 41 Resp: 87211

Ion Ratio Lower Upper

41 100

39 68.7 33.0 99.0

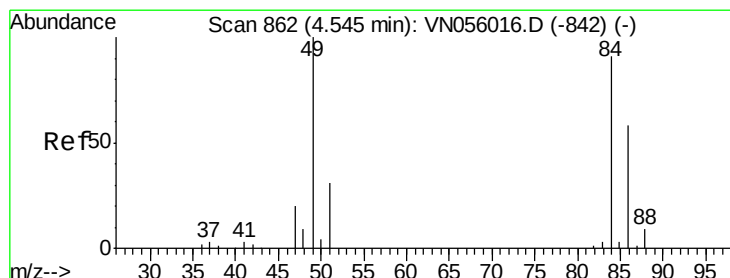
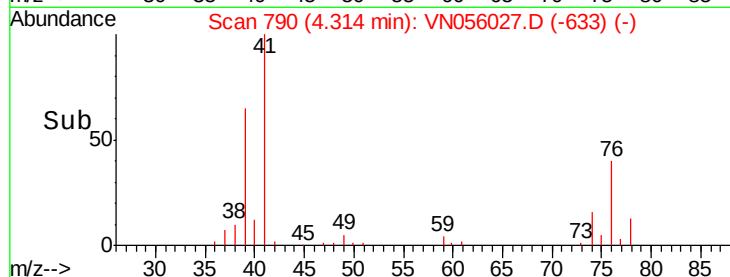
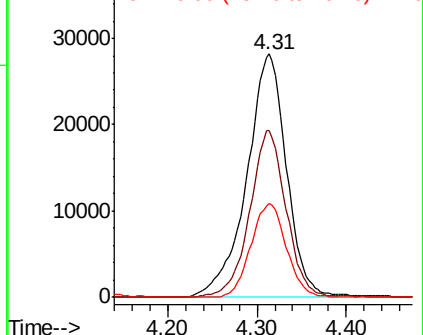
76 38.3 18.9 56.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.594 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Tgt Ion: 84 Resp: 67713

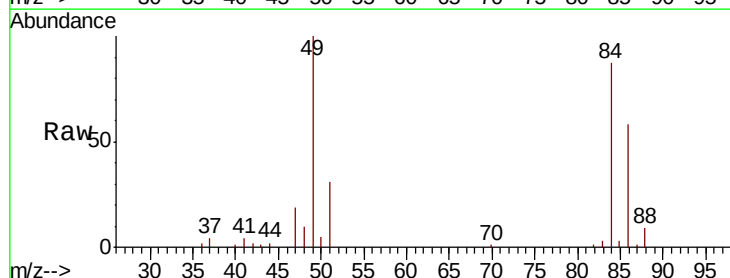
Ion Ratio Lower Upper

84 100

49 114.5 87.6 131.4

51 36.2 27.0 40.4

86 66.9 51.2 76.8

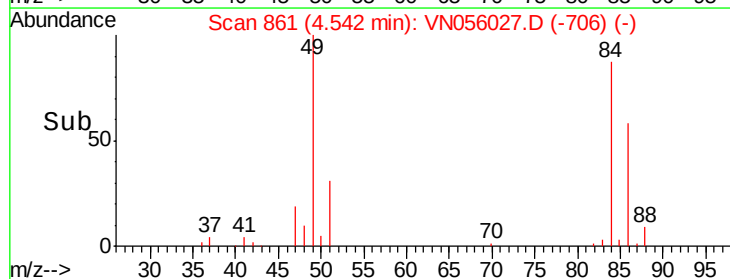
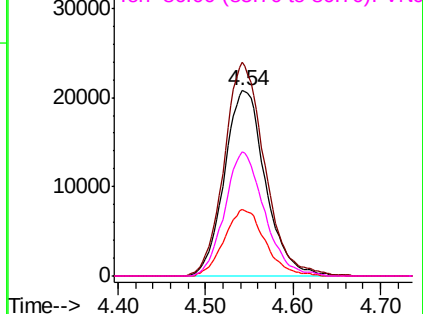


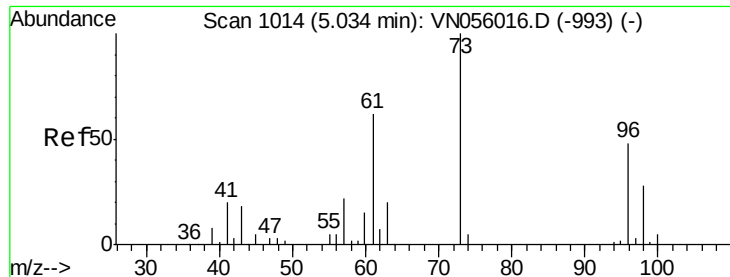
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

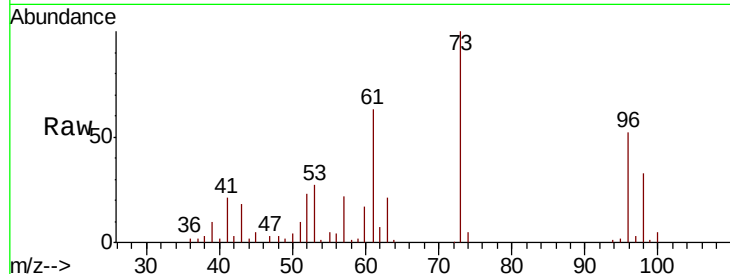




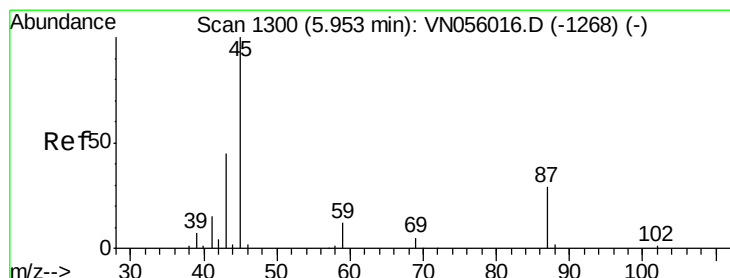
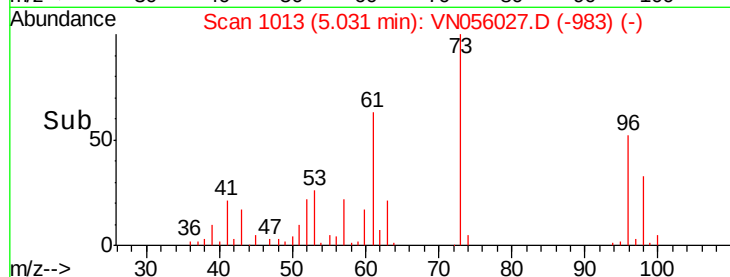
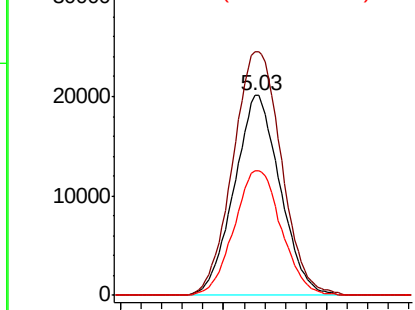
#19
trans-1,2-Dichloroethene
Concen: 20.559 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

Tot Ion: 96 Resp: 62329
Ion Ratio Lower Upper
96 100
61 121.8 102.5 153.7
98 62.5 46.9 70.3

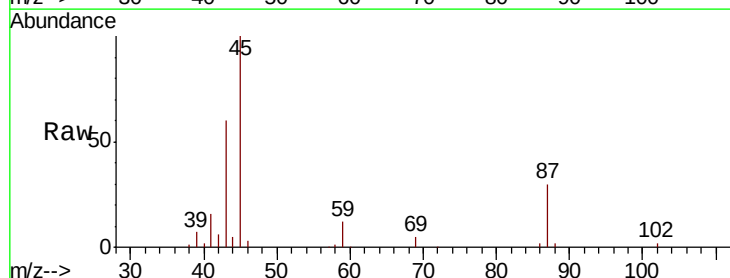


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

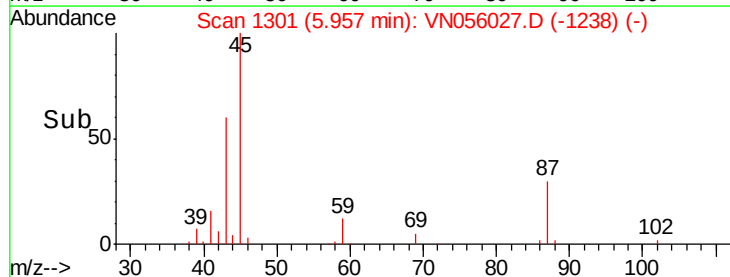
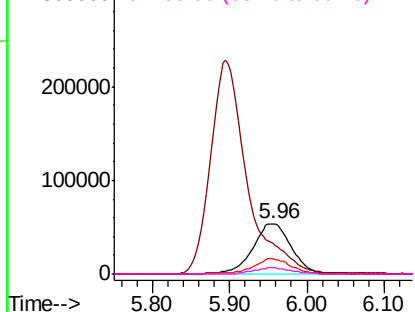


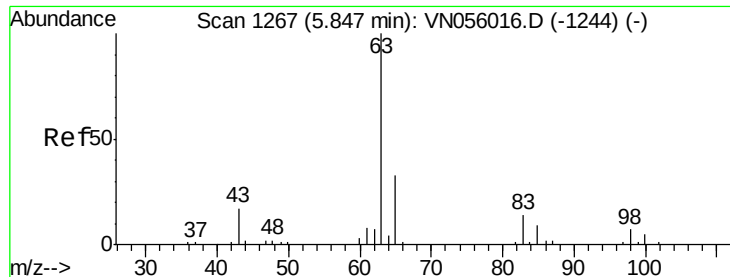
#20
Diisopropyl ether
Concen: 20.417 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 45 Resp: 186154
Ion Ratio Lower Upper
45 100
43 57.8 48.0 72.0
87 29.6 23.4 35.2
59 11.7 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

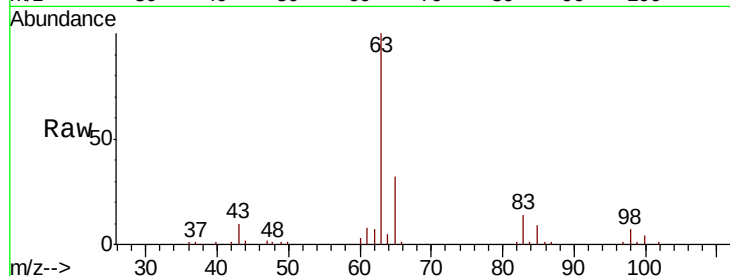




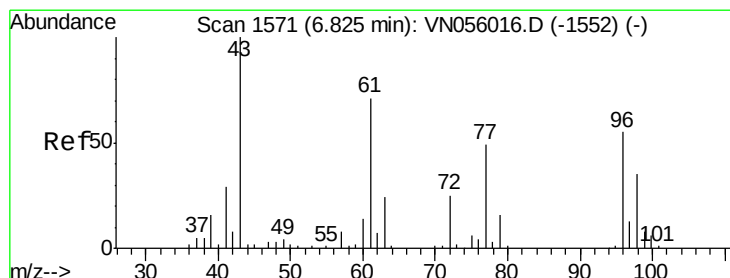
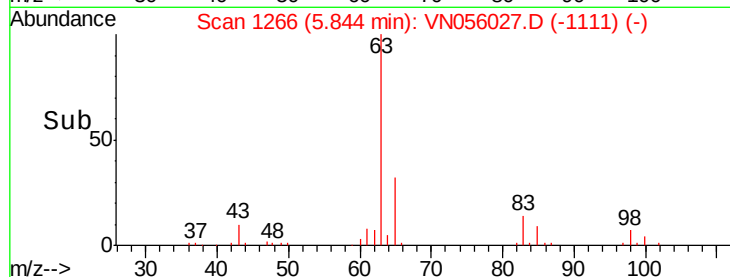
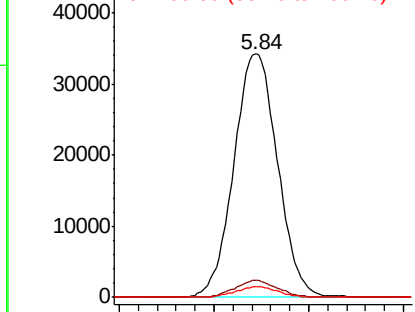
#21
 1,1-Dichloroethane
 Concen: 20.748 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion: 63 Resp: 109937
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.2 2.3 6.9

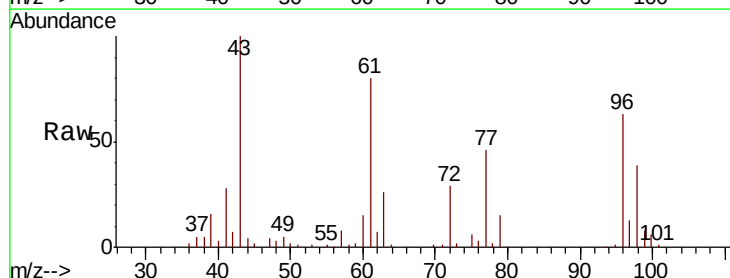


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

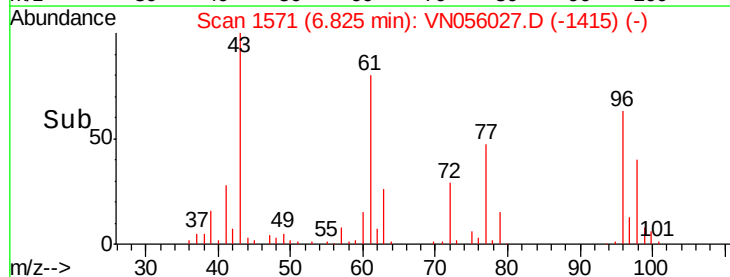
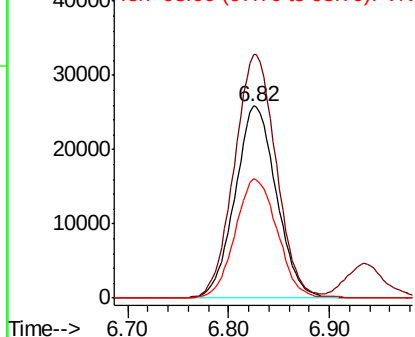


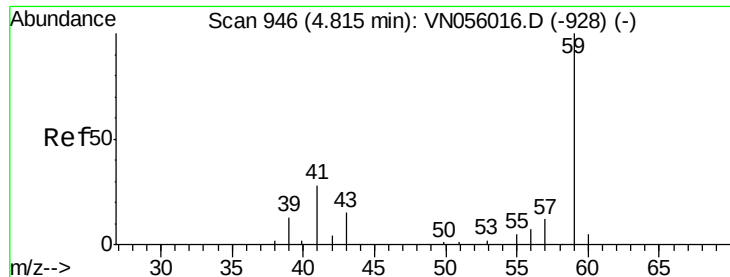
#22
 cis-1,2-Dichloroethene
 Concen: 20.813 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 96 Resp: 73646
 Ion Ratio Lower Upper
 96 100
 61 128.0 105.7 158.5
 98 63.1 52.0 78.0



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

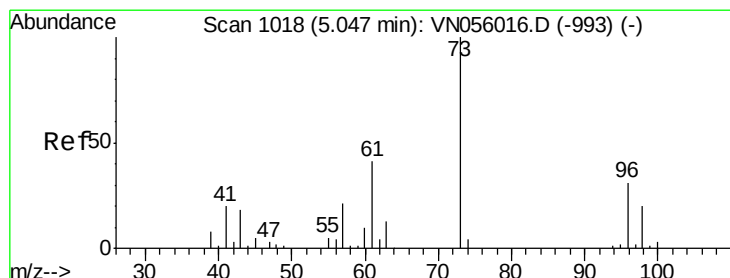
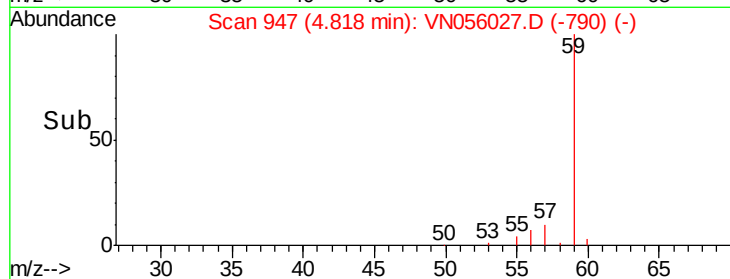
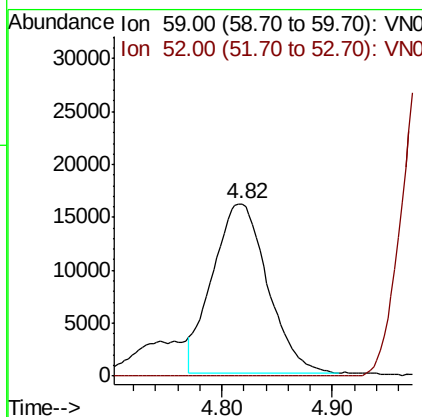
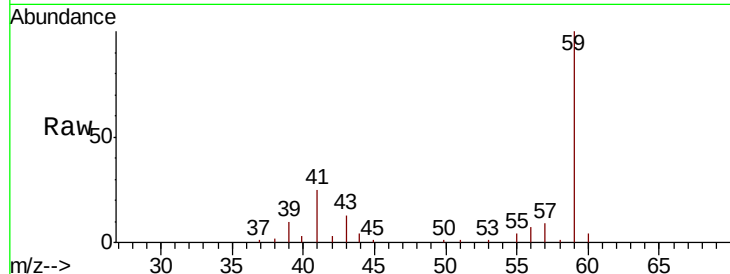




#23
 tert-Butyl Alcohol
 Concen: 93.047 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

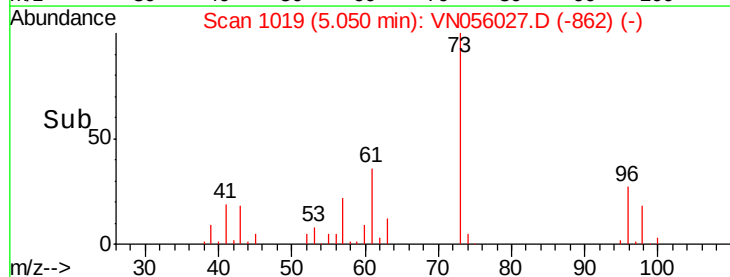
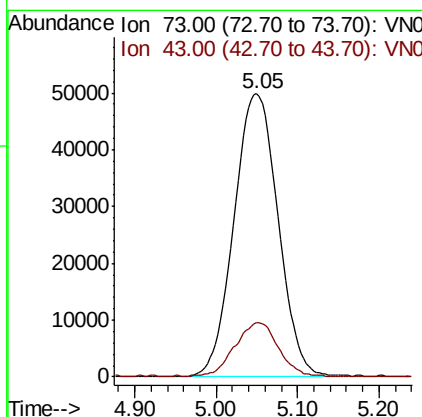
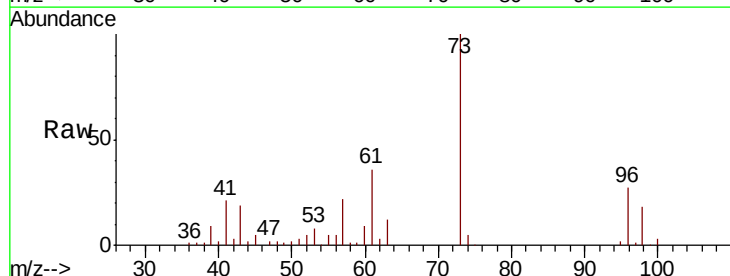
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

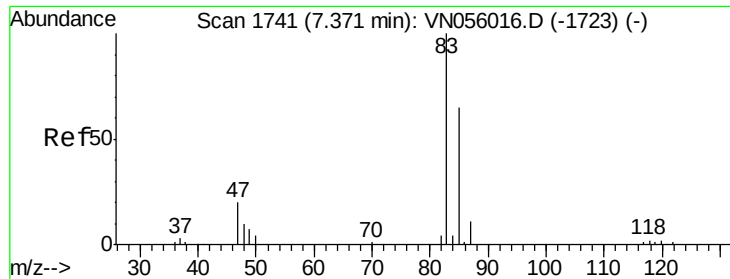
Tot Ion: 59 Resp: 55124
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 20.684 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 73 Resp: 187218
 Ion Ratio Lower Upper
 73 100
 43 19.1 15.4 23.0

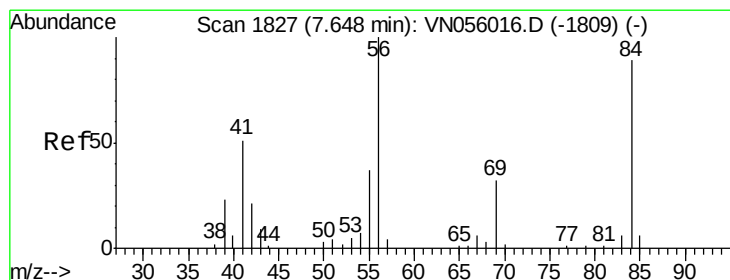
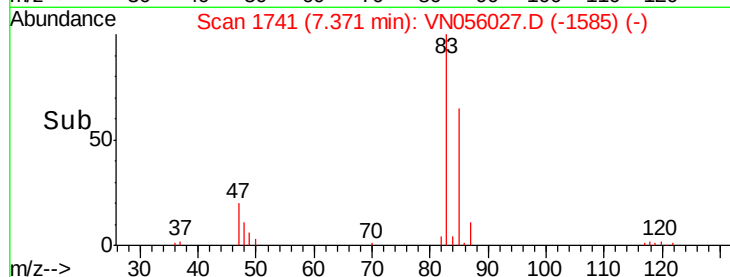
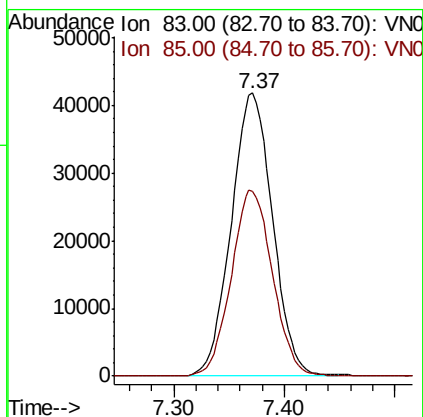
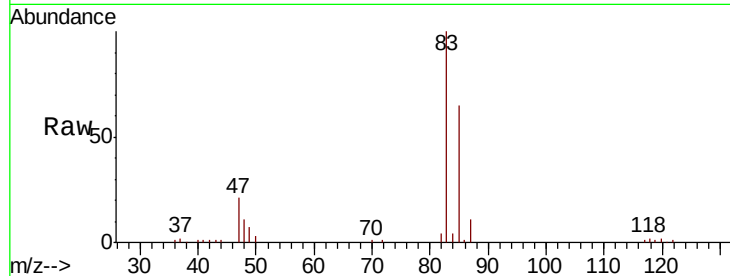




#25
Chloroform
Concen: 20.536 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

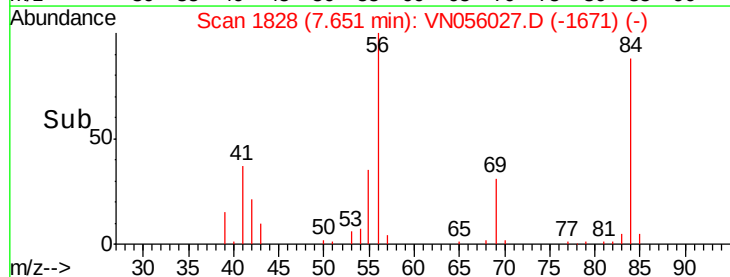
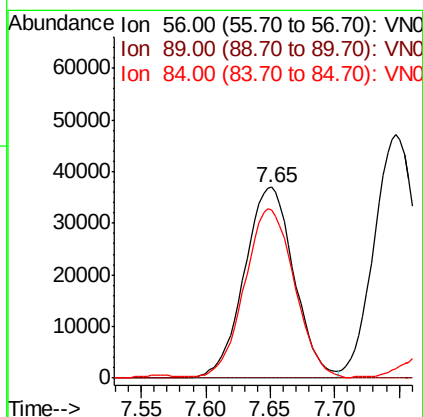
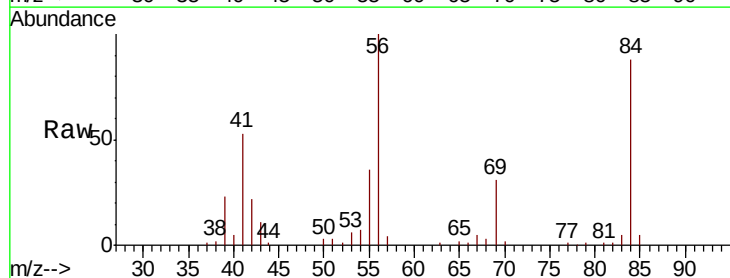
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

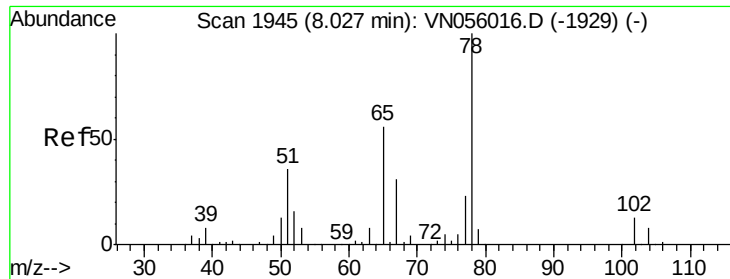
Tot Ion: 83 Resp: 108653
Ion Ratio Lower Upper
83 100
85 65.1 52.0 78.0



#26
Cyclohexane
Concen: 20.174 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 56 Resp: 99169
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 88.2 70.1 105.1

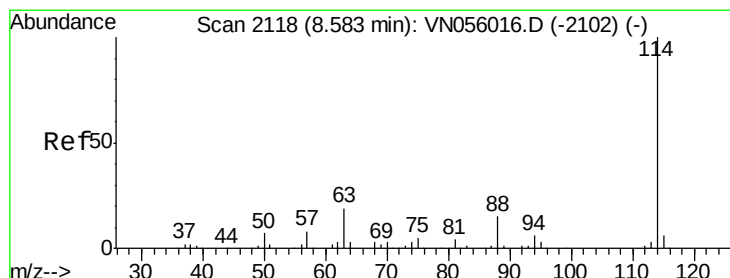
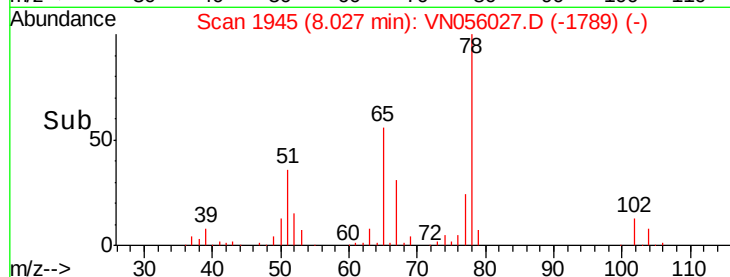
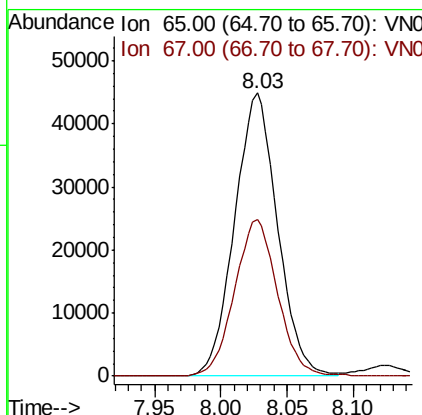
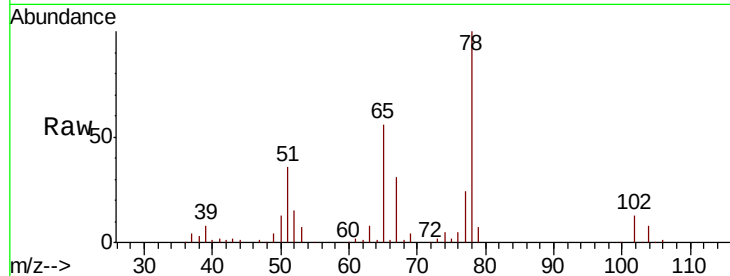




#27
 1,2-Dichloroethane-d4
 Concen: 29.823 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

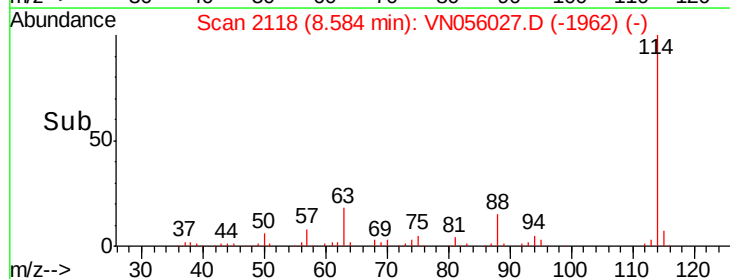
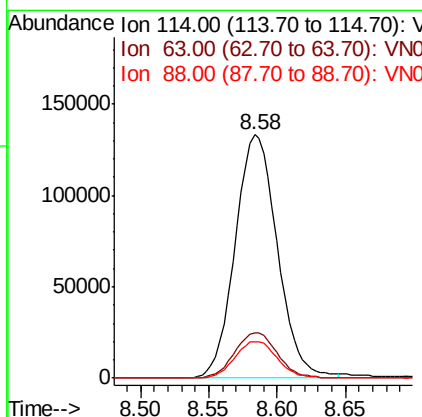
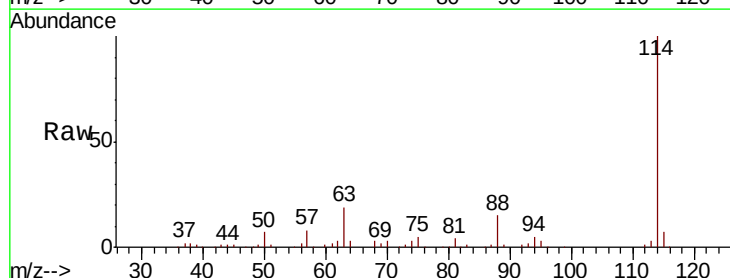
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

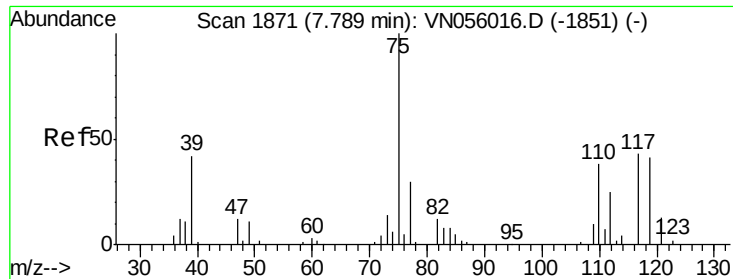
Tot Ion: 65 Resp: 100768
 Ion Ratio Lower Upper
 65 100
 67 55.4 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 114 Resp: 286356
 Ion Ratio Lower Upper
 114 100
 63 18.9 14.7 22.1
 88 15.1 11.9 17.9

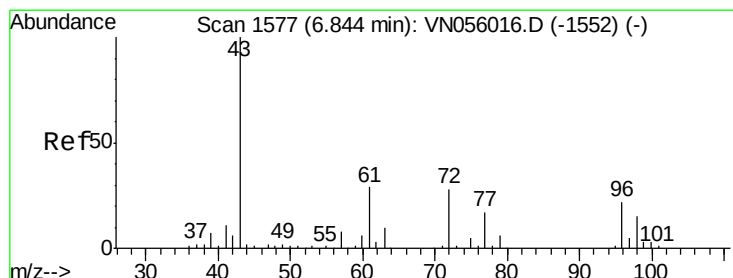
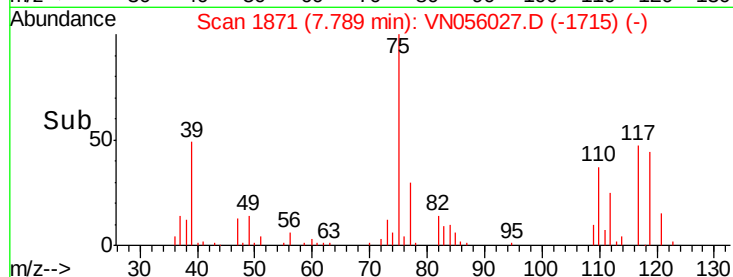
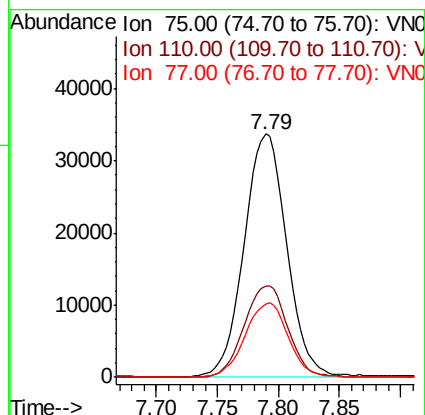
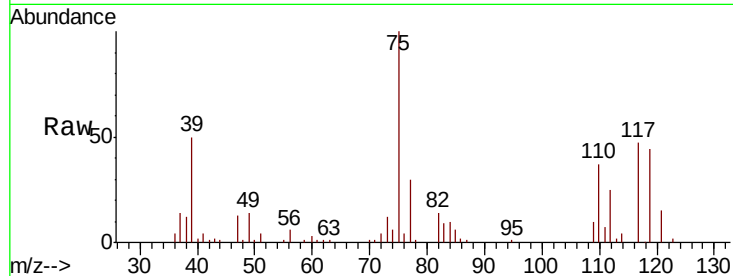




#29
 1,1-Dichloropropene
 Concen: 21.058 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

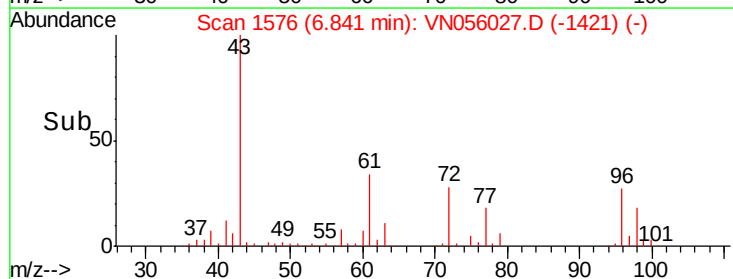
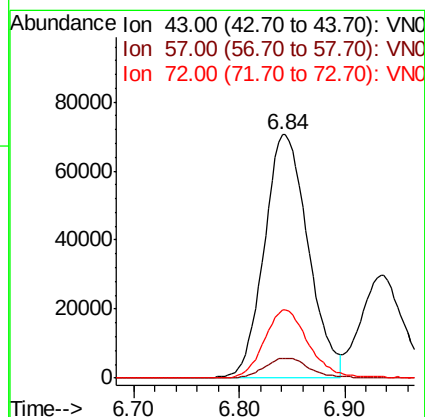
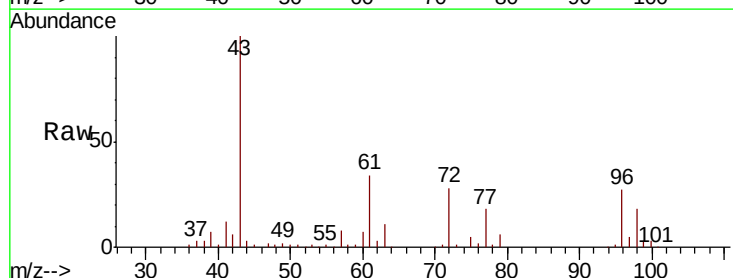
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

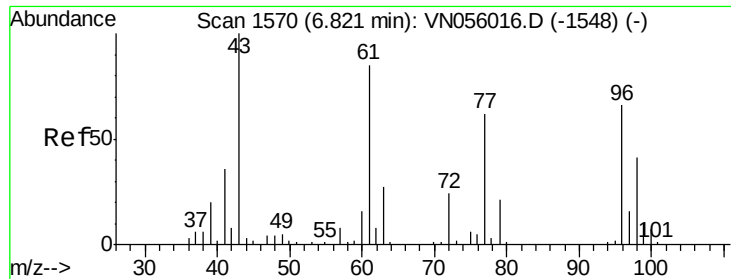
Tot Ion: 75 Resp: 81567
 Ion Ratio Lower Upper
 75 100
 110 38.4 0.0 77.0
 77 30.9 0.0 62.4



#30
 2-Butanone
 Concen: 100.073 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 43 Resp: 204067
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.7 10.1
 72 28.3 22.4 33.6





#31

2,2-Dichloropropane

Concen: 16.859 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

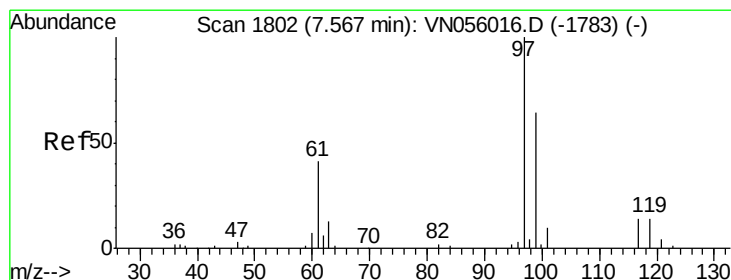
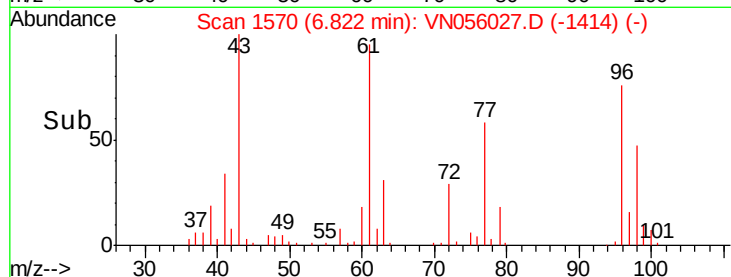
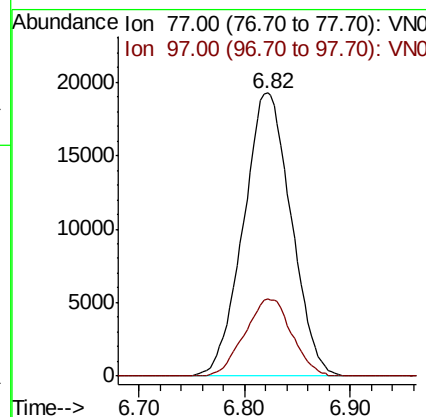
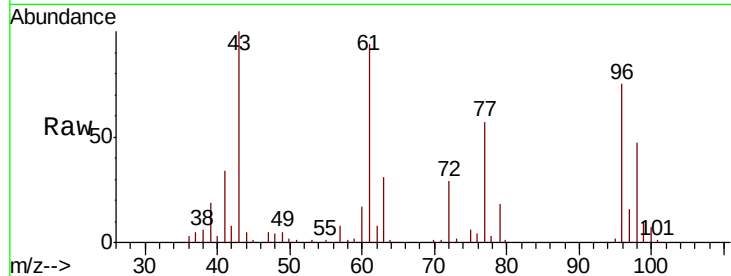
VN0606WBSD01

Tot Ion: 77 Resp: 60751

Ion Ratio Lower Upper

77 100

97 26.8 20.8 31.2



#32

1,1,1-Trichloroethane

Concen: 20.943 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

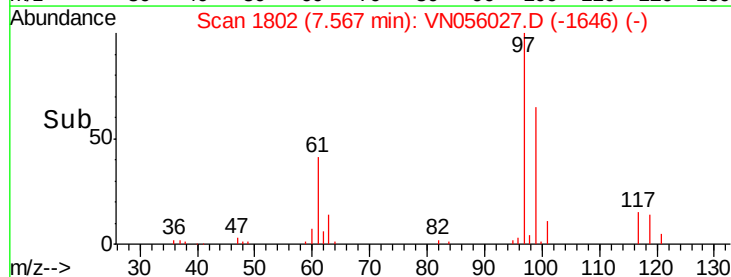
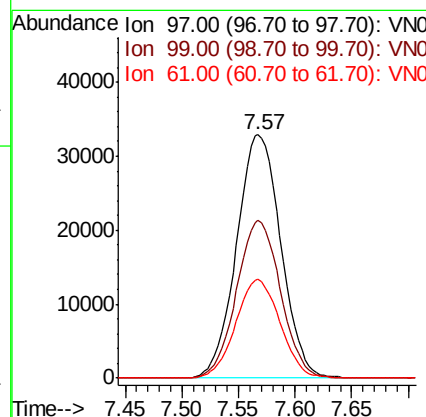
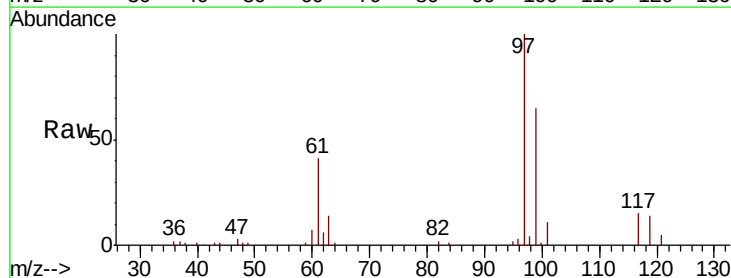
Tgt Ion: 97 Resp: 89627

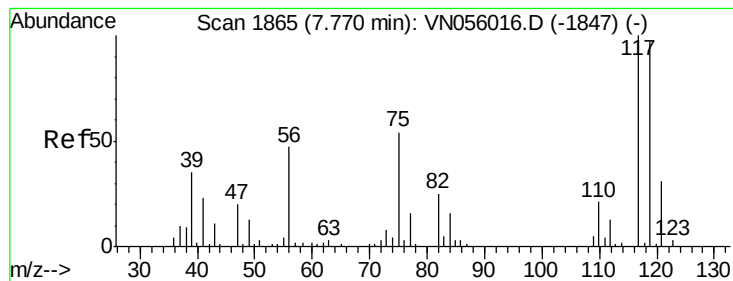
Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

61 40.6 32.9 49.3





#33

Carbon Tetrachloride

Concen: 20.092 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

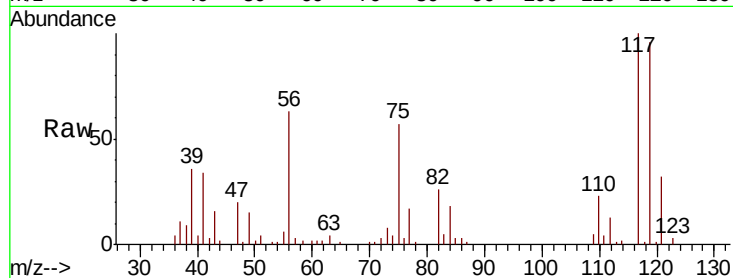
Tot Ion:117 Resp: 72850

Ion Ratio Lower Upper

117 100

119 96.2 77.3 115.9

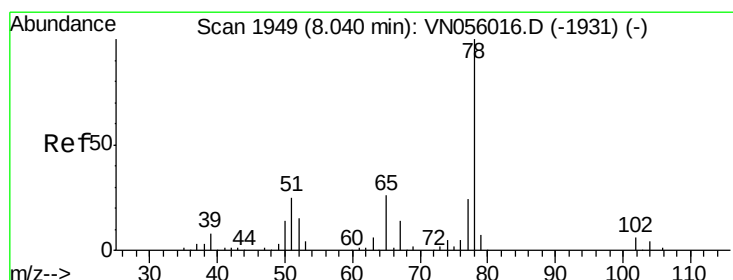
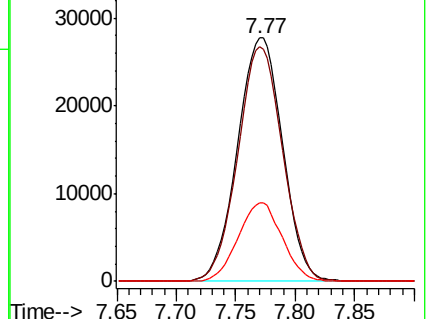
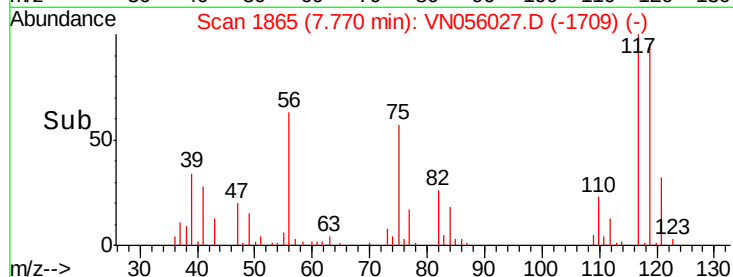
121 32.2 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 21.285 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

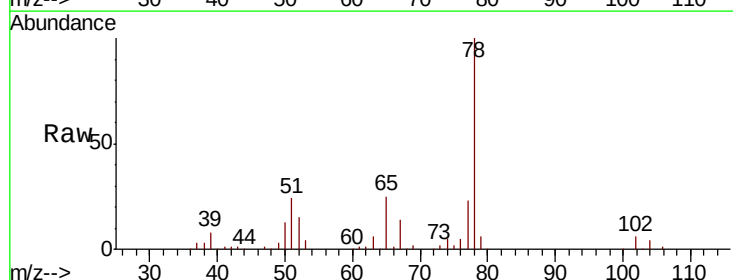
Tgt Ion: 78 Resp: 262688

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9

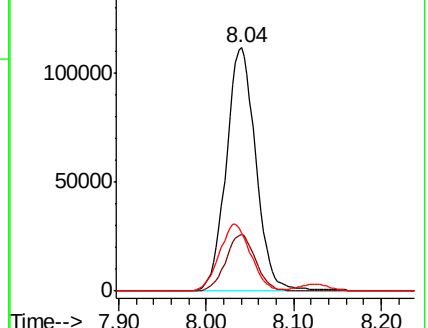
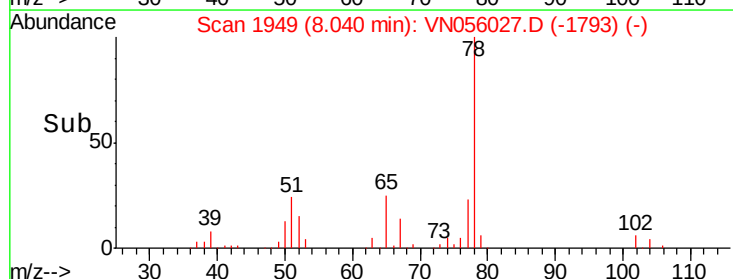
51 23.7 19.8 29.8

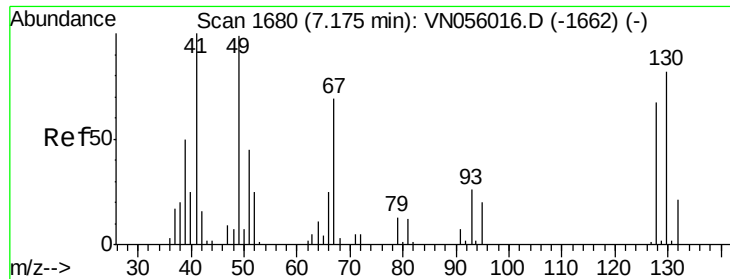


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

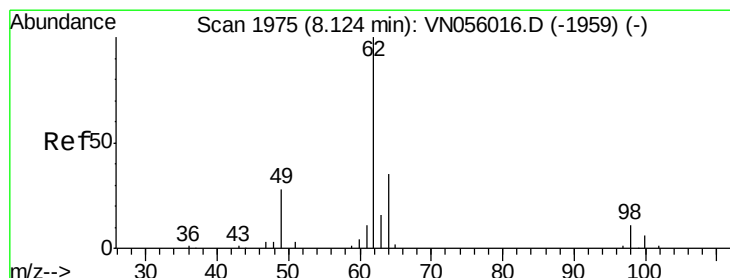
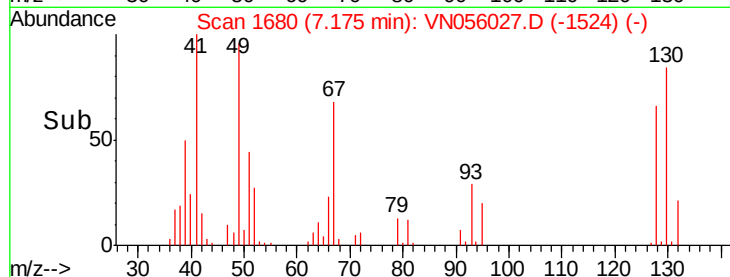
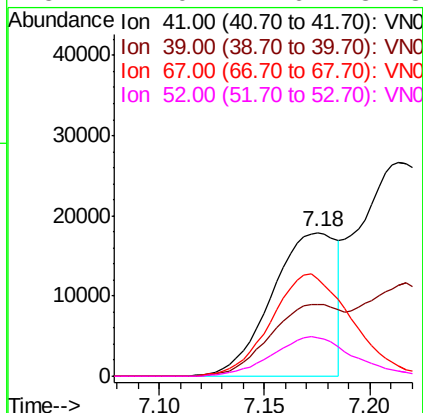
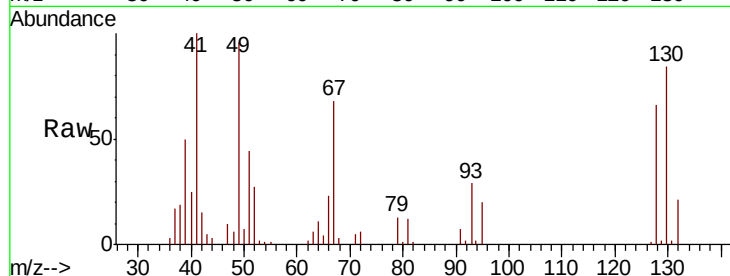




#35
Methacrylonitrile
Concen: 22.280 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

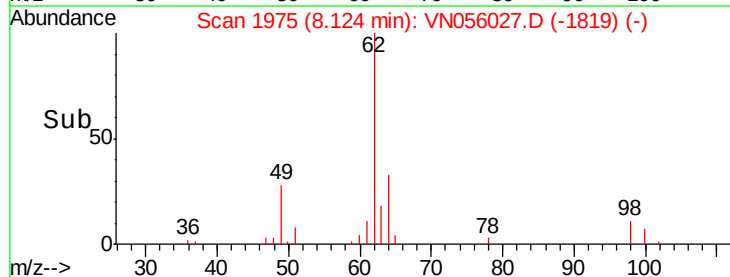
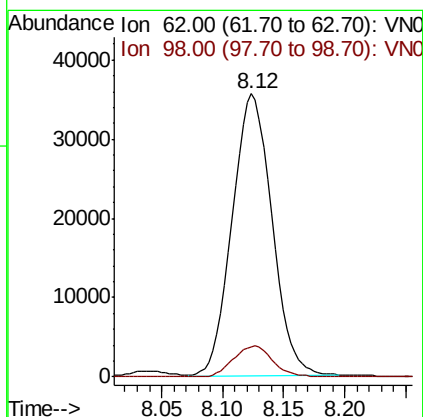
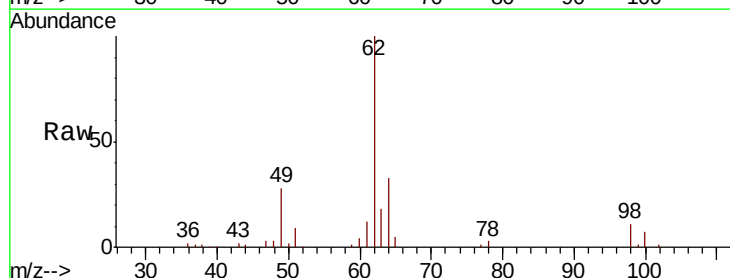
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBSD01

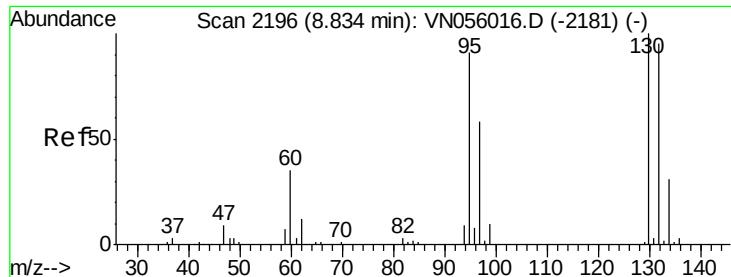
Tot Ion: 41 Resp: 38365
Ion Ratio Lower Upper
41 100
39 50.1 24.8 74.3
67 68.1 34.3 102.9
52 27.0 12.6 37.8



#36
1,2-Dichloroethane
Concen: 20.849 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 62 Resp: 80596
Ion Ratio Lower Upper
62 100
98 10.8 8.6 13.0

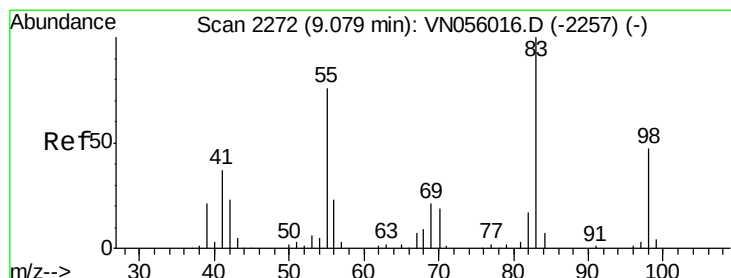
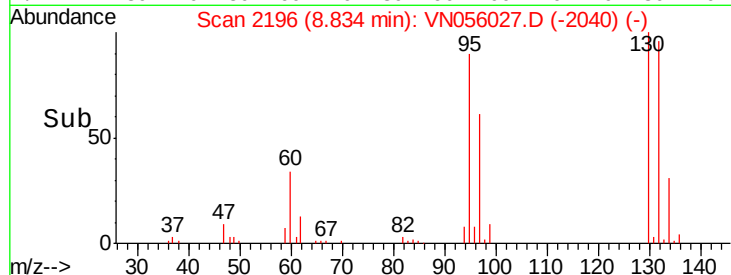
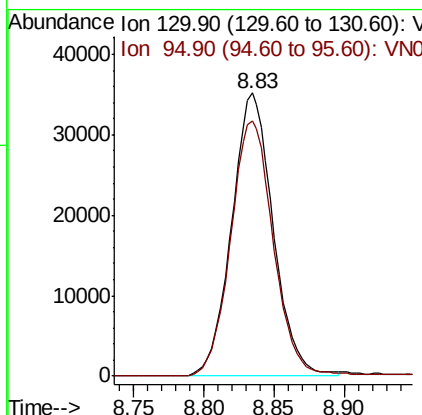
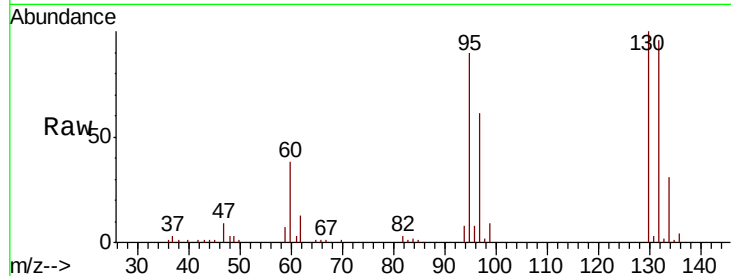




#37
 Trichloroethene
 Concen: 20.929 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

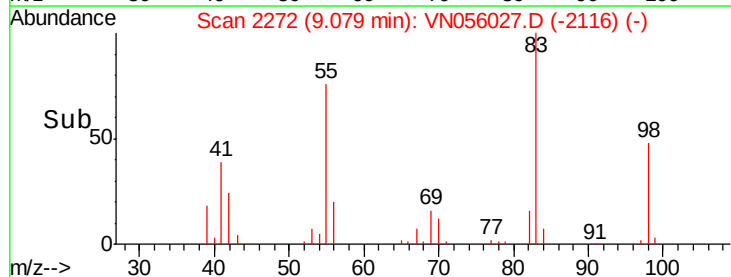
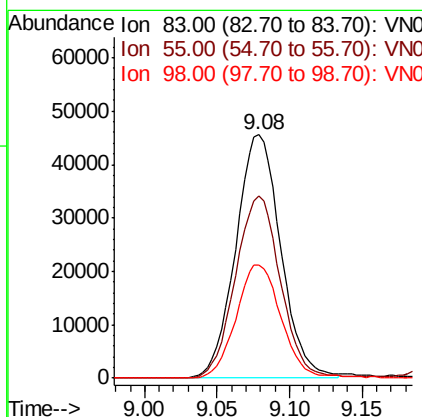
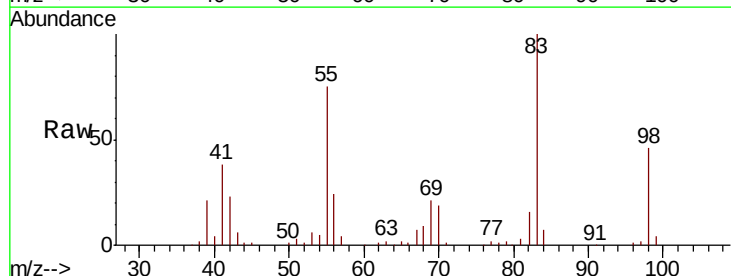
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

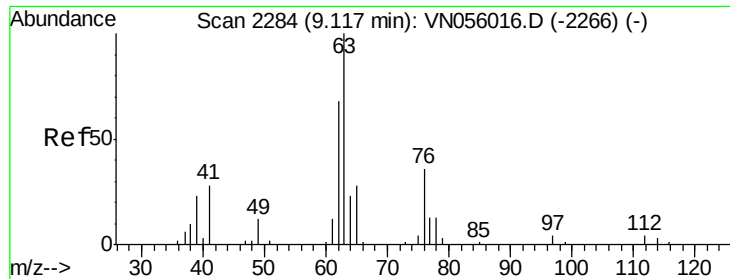
Tot Ion:130 Resp: 72279
 Ion Ratio Lower Upper
 130 100
 95 90.1 73.0 109.6



#38
 Methylcyclohexane
 Concen: 20.049 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 83 Resp: 98454
 Ion Ratio Lower Upper
 83 100
 55 75.0 37.5 112.7
 98 46.6 23.1 69.3

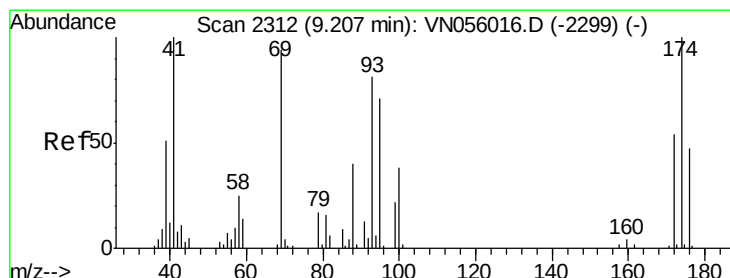
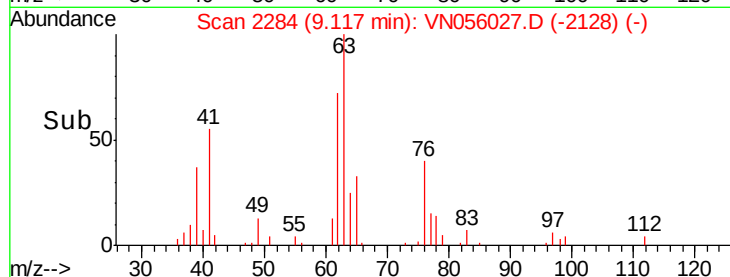
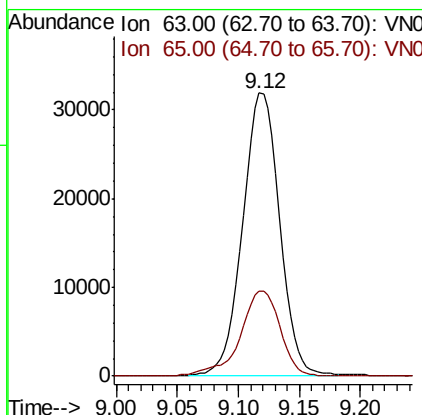
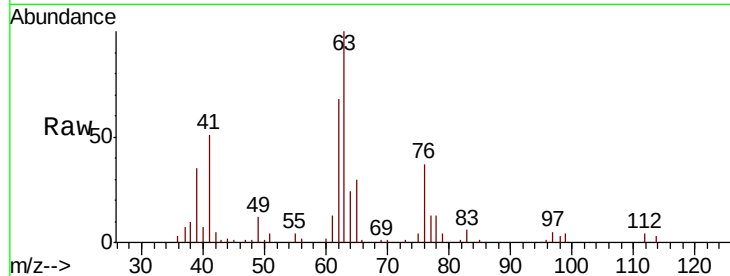




#39
 1,2-Dichloropropane
 Concen: 21.161 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

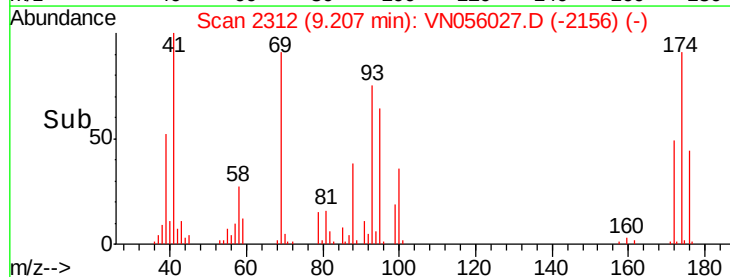
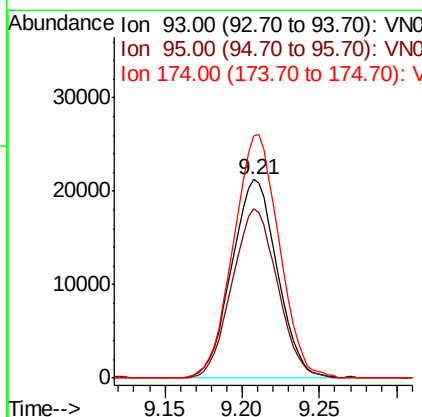
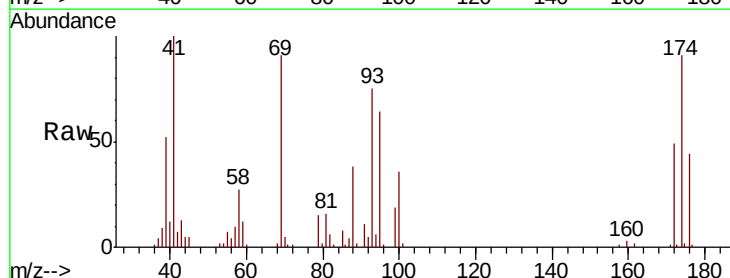
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

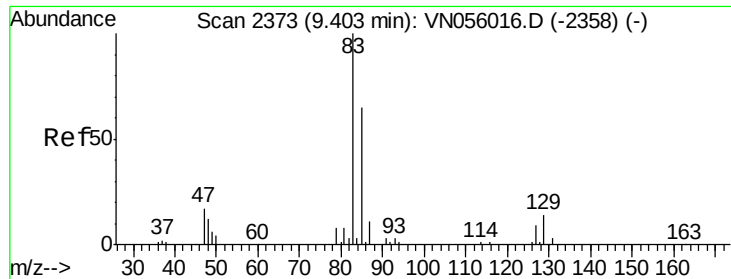
Tot Ion: 63 Resp: 66887
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.1 34.7



#40
 Dibromomethane
 Concen: 20.795 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 93 Resp: 43582
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 169.0
 174 123.1 0.0 246.4





#41

Bromodichloromethane

Concen: 20.543 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

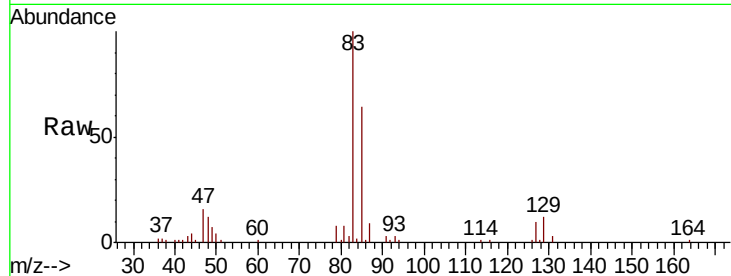
Tot Ion: 83 Resp: 77095

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.6

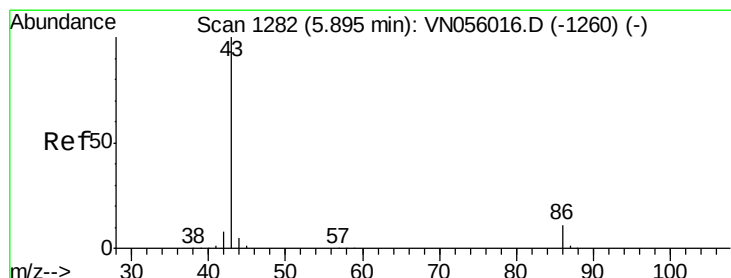
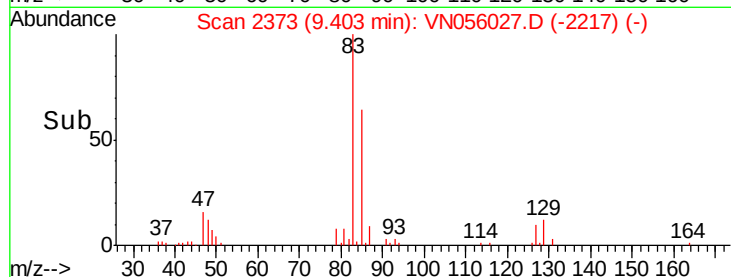
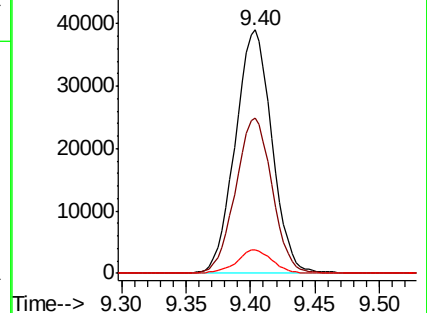
127 10.7 7.3 10.9



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: 104.071 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056027.D

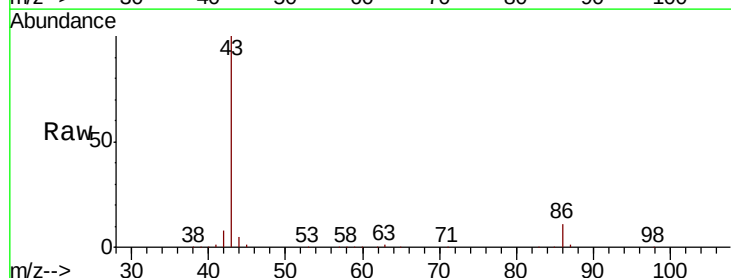
Acq: 6 Jun 2019 00:43

Tgt Ion: 43 Resp: 756594

Ion Ratio Lower Upper

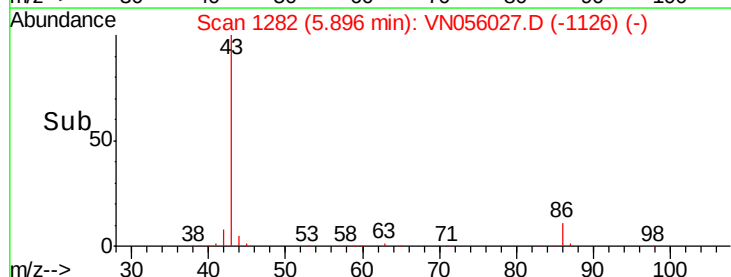
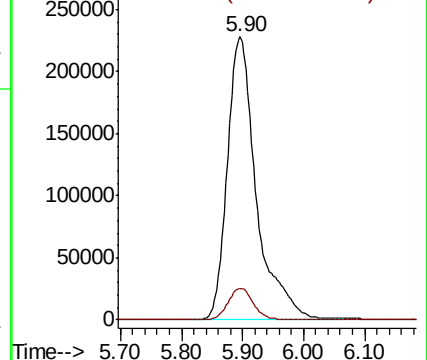
43 100

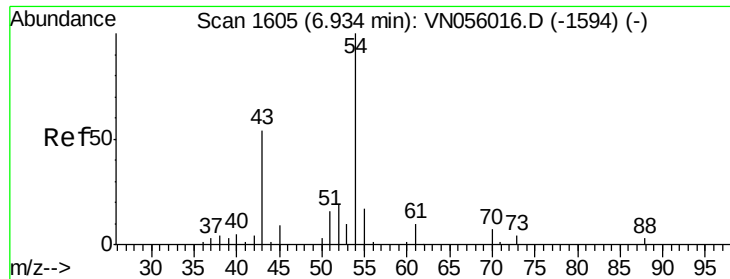
86 9.8 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 21.030 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

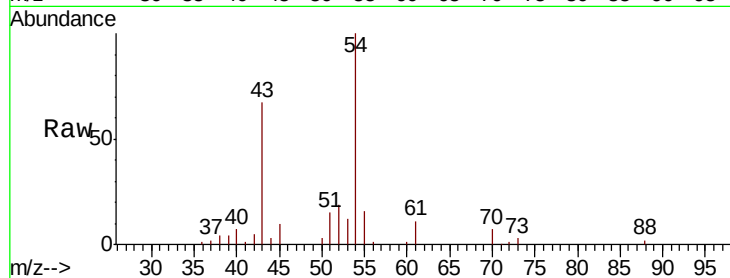
VN0606WBSD01

Tot Ion: 43 Resp: 82071

Ion Ratio Lower Upper

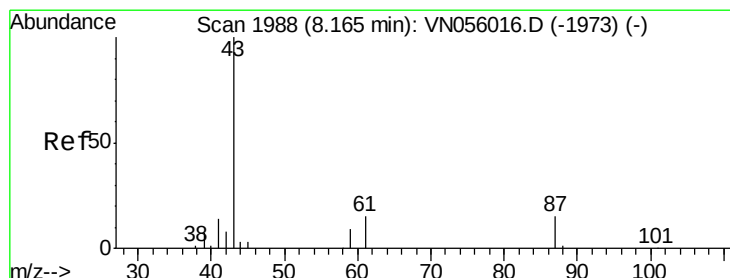
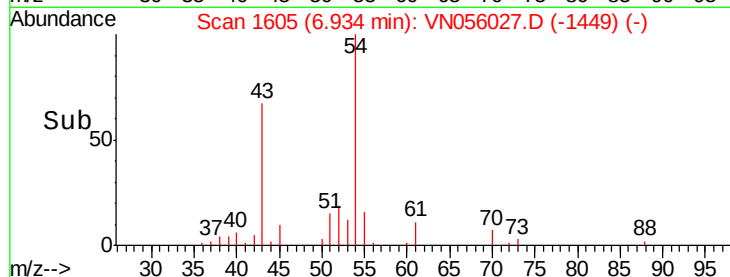
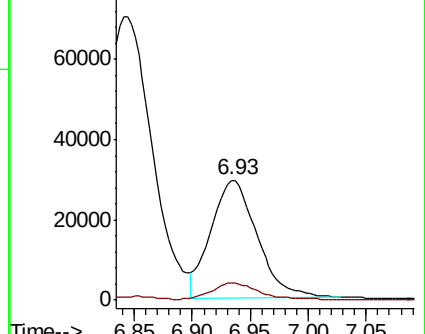
43 100

45 13.3 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.395 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056027.D

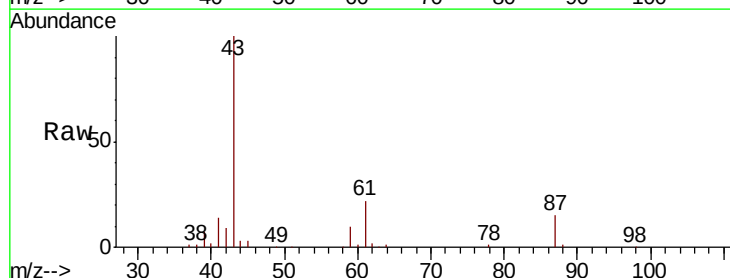
Acq: 6 Jun 2019 00:43

Tgt Ion: 43 Resp: 123584

Ion Ratio Lower Upper

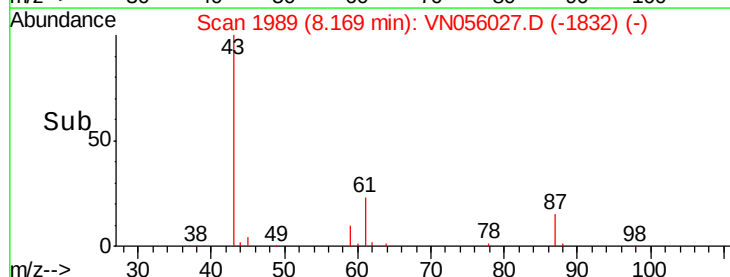
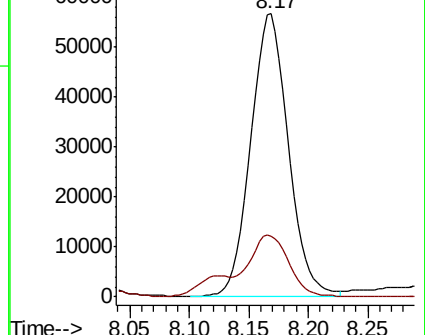
43 100

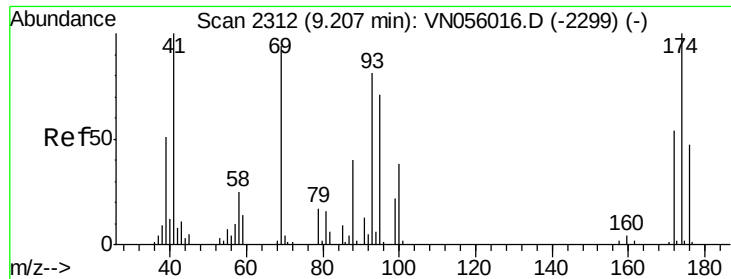
61 22.1 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

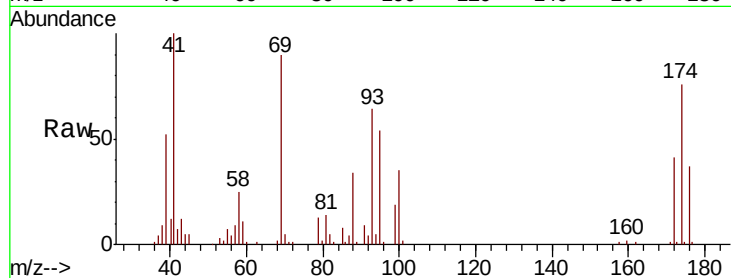




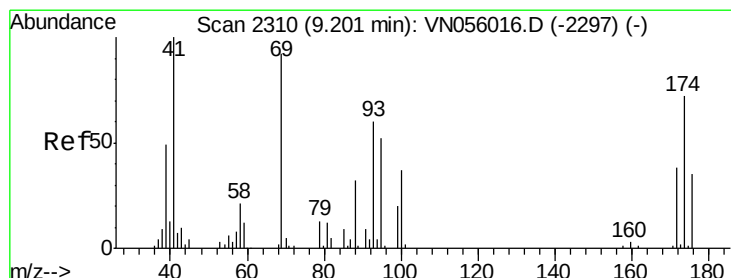
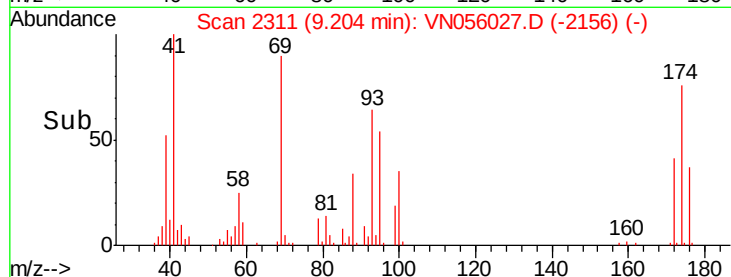
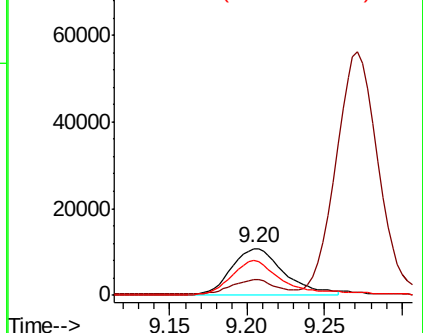
#45
 1,4-Dioxane
 Concen: 399.070 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion: 88 Resp: 25868
 Ion Ratio Lower Upper
 88 100
 43 26.9 19.8 29.6
 58 73.3 48.5 72.7#

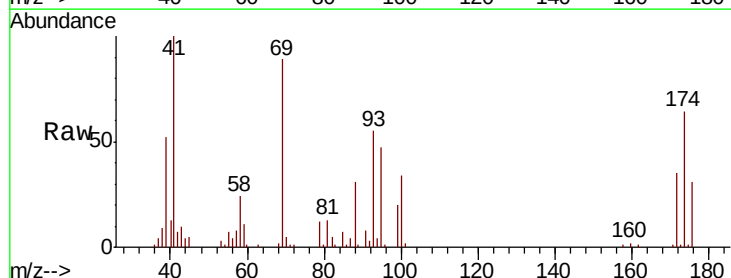


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

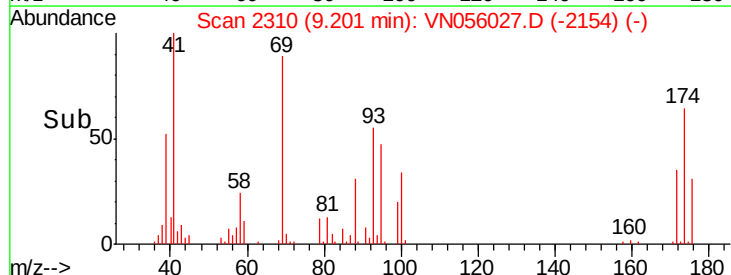
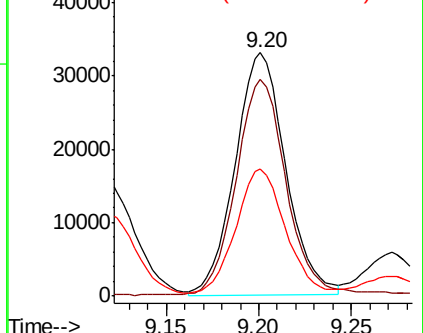


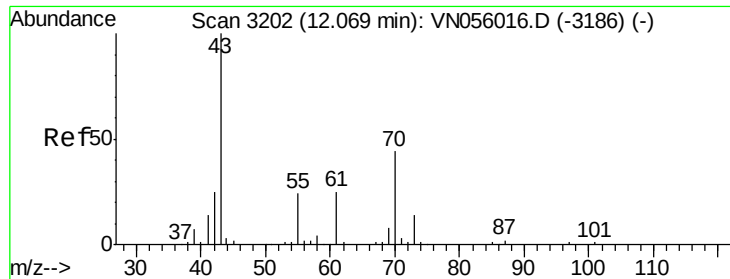
#46
 Methyl methacrylate
 Concen: 20.848 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 41 Resp: 62759
 Ion Ratio Lower Upper
 41 100
 69 89.6 46.0 137.8
 39 51.7 24.6 73.8



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: 19.911 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

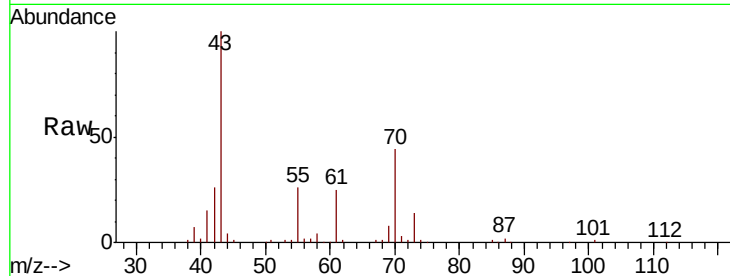
VN0606WBSD01

Tot Ion: 43 Resp: 99778

Ion Ratio Lower Upper

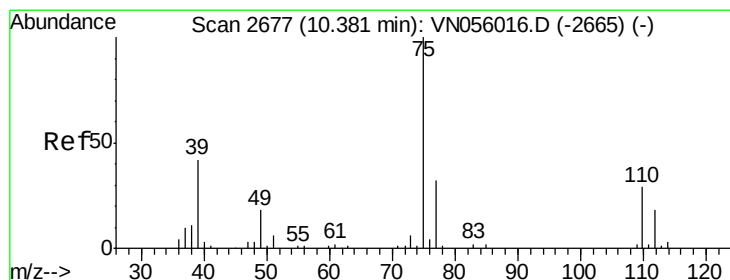
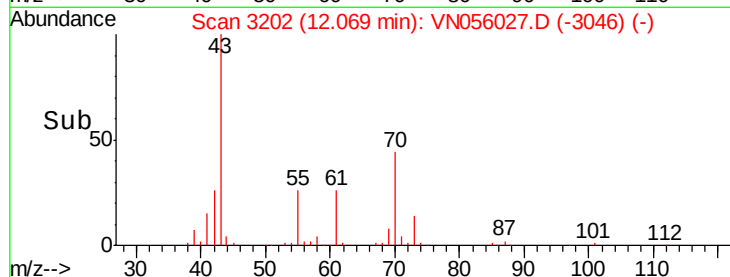
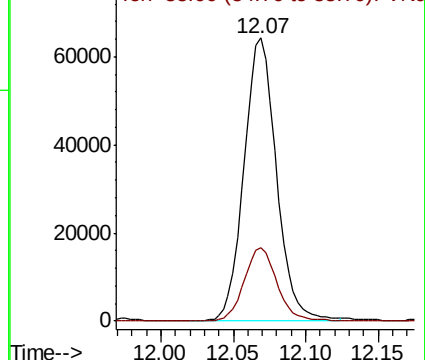
43 100

55 26.4 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 19.107 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056027.D

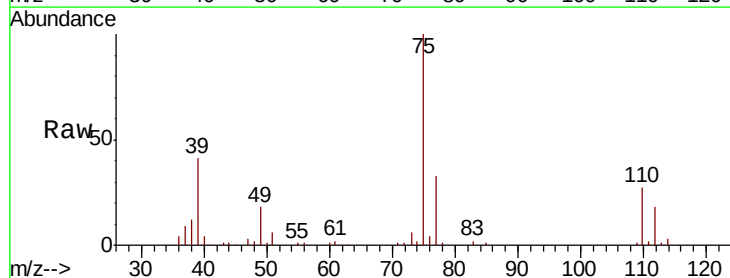
Acq: 6 Jun 2019 00:43

Tgt Ion: 75 Resp: 75460

Ion Ratio Lower Upper

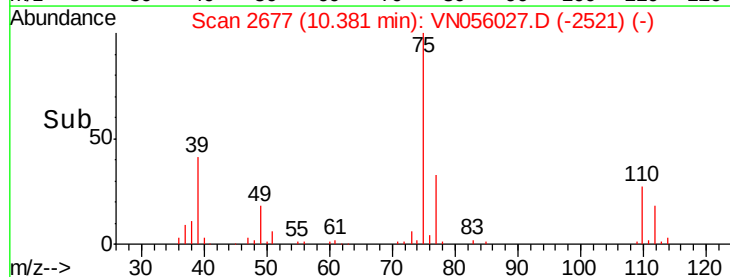
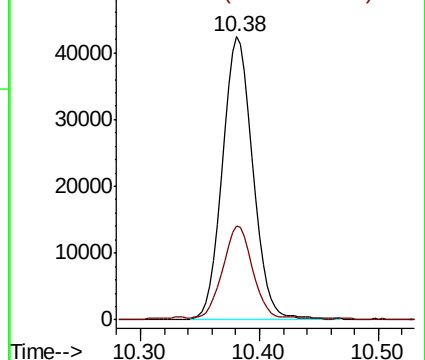
75 100

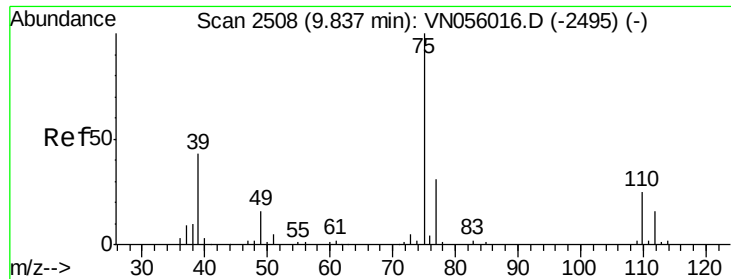
77 32.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



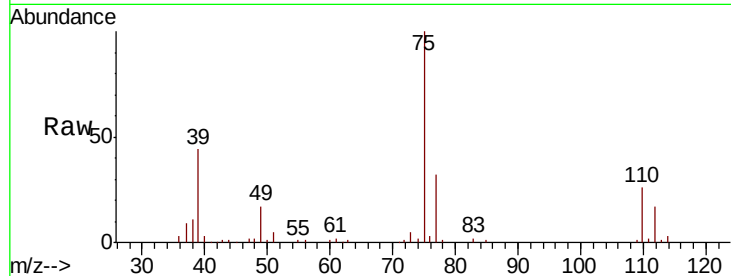


#49

cis-1,3-Dichloropropene
 Concen: 19.443 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	44.0	34.3	51.5

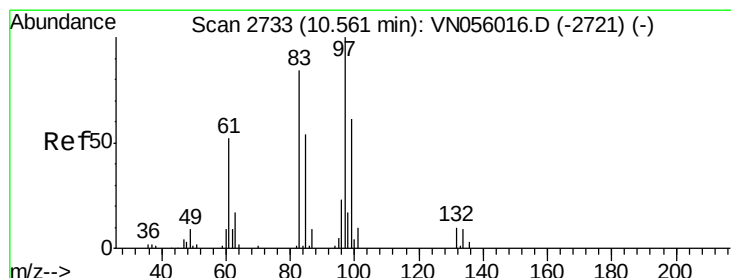
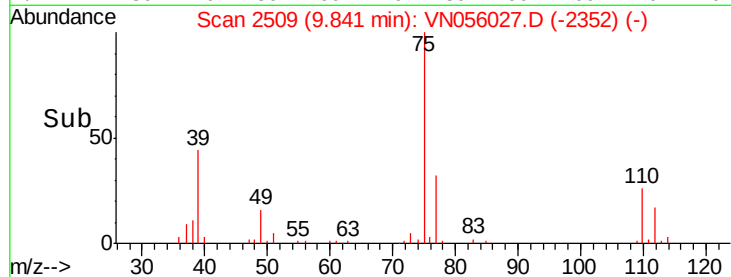
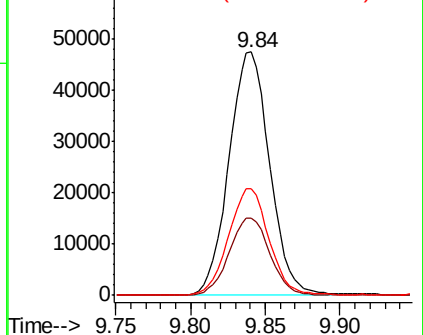


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

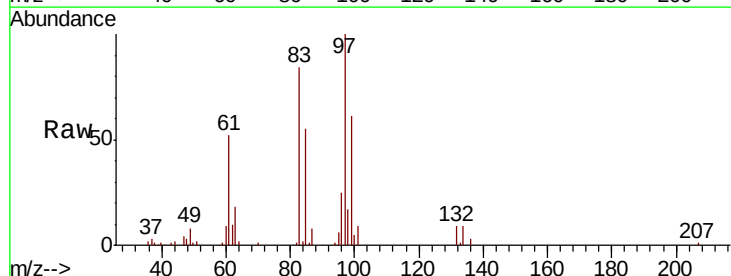
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
 Concen: 21.175 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.9	100.3
85	55.1	43.3	64.9
99	61.2	48.6	73.0



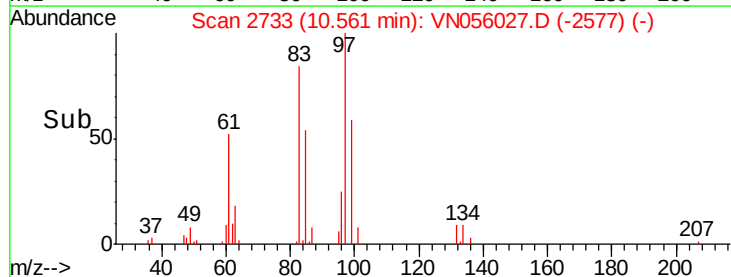
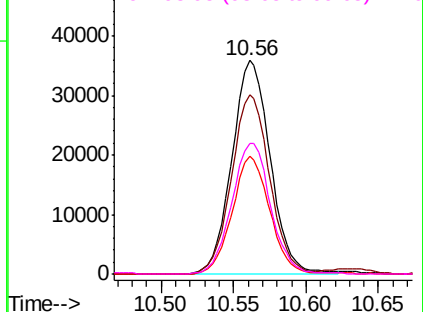
Abundance

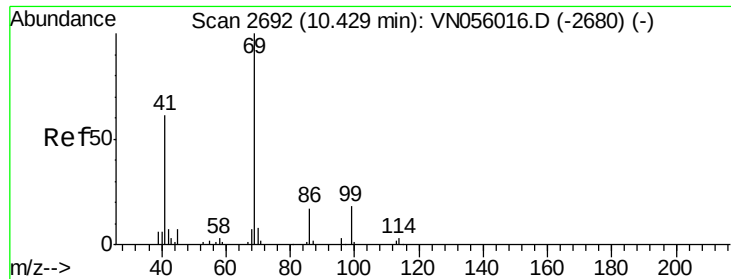
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 20.230 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

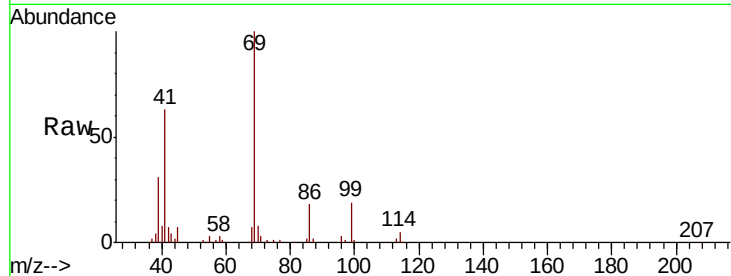
Tot Ion: 69 Resp: 95273

Ion Ratio Lower Upper

69 100

41 62.8 30.8 92.3

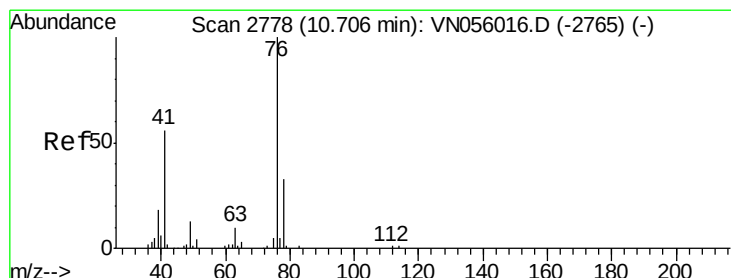
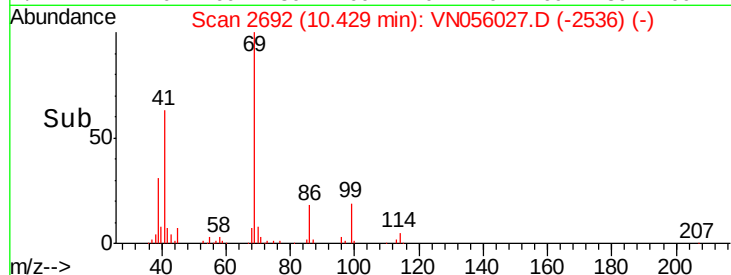
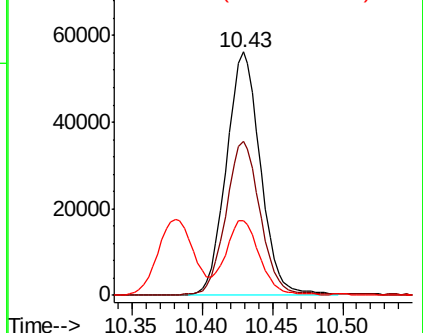
39 30.4 14.5 43.6



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: 20.957 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056027.D

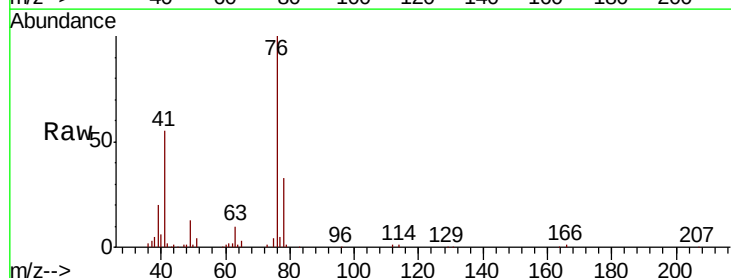
Acq: 6 Jun 2019 00:43

Tgt Ion: 76 Resp: 105759

Ion Ratio Lower Upper

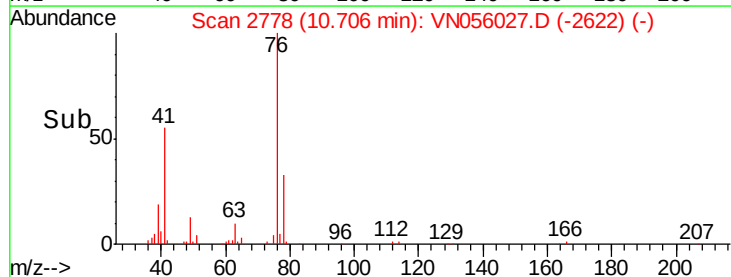
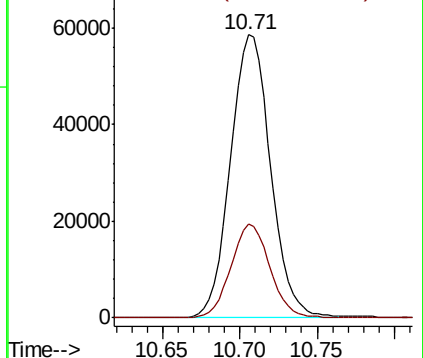
76 100

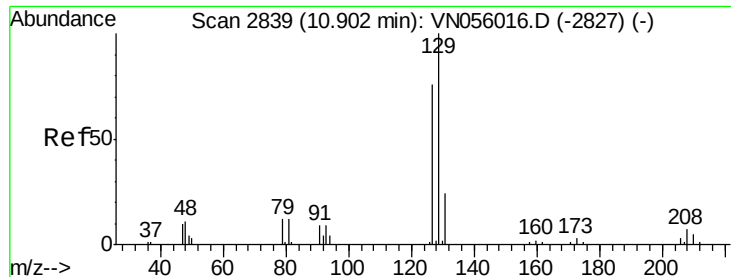
78 32.2 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.674 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

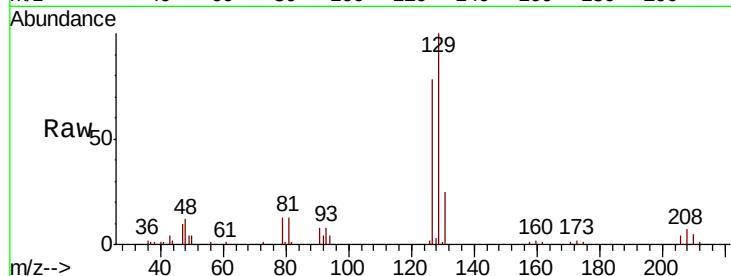
VN0606WBSD01

Tot Ion:129 Resp: 59952

Ion Ratio Lower Upper

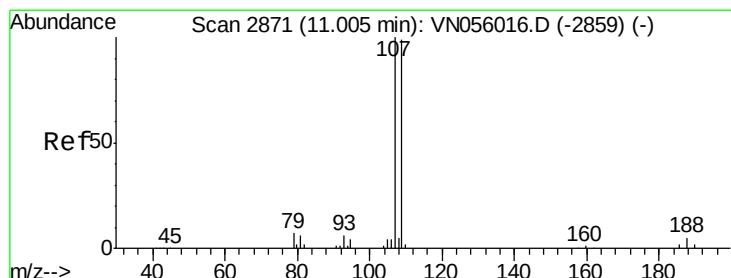
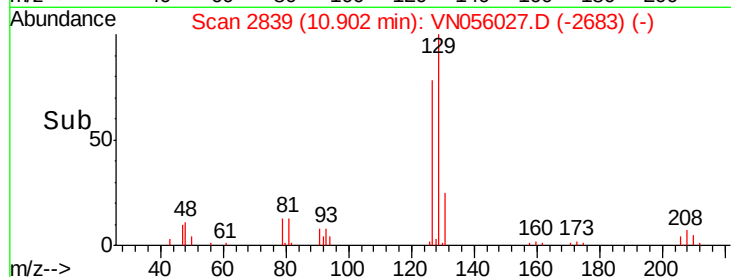
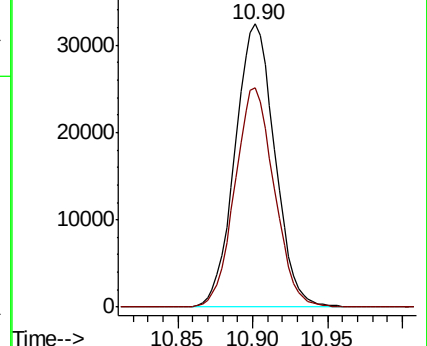
129 100

127 76.6 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.772 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056027.D

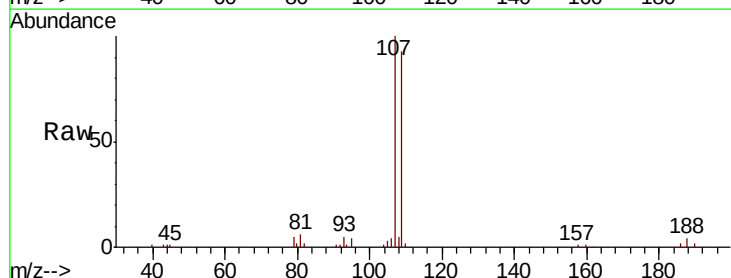
Acq: 6 Jun 2019 00:43

Tgt Ion:107 Resp: 67475

Ion Ratio Lower Upper

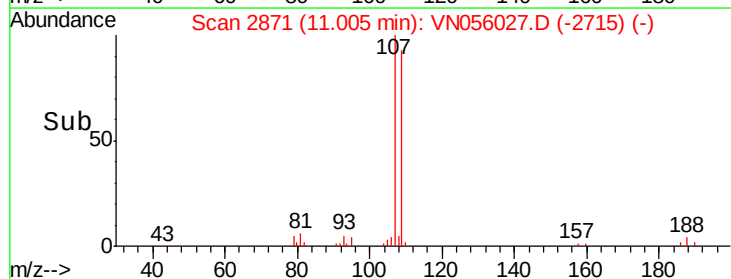
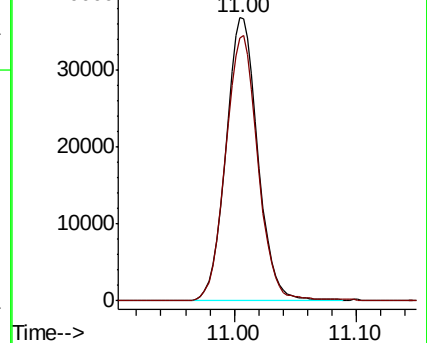
107 100

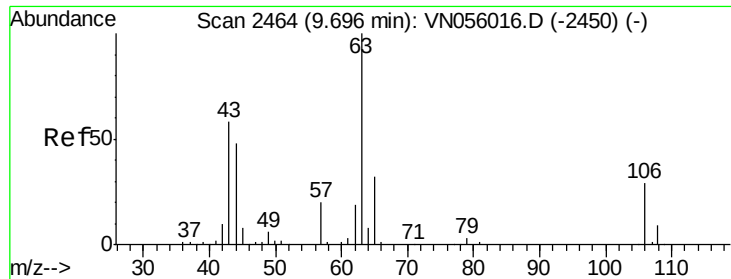
109 94.6 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

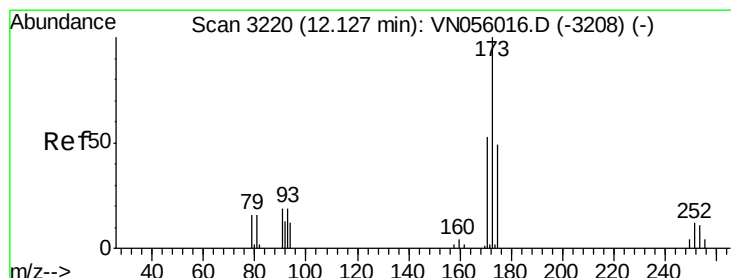
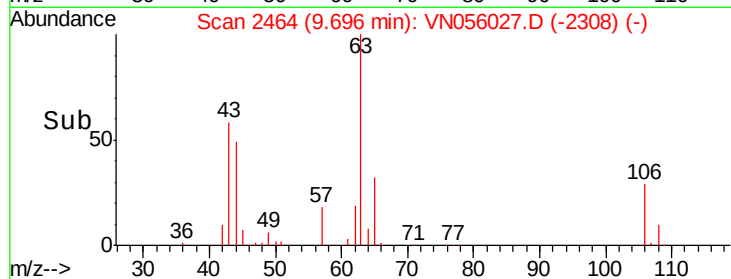
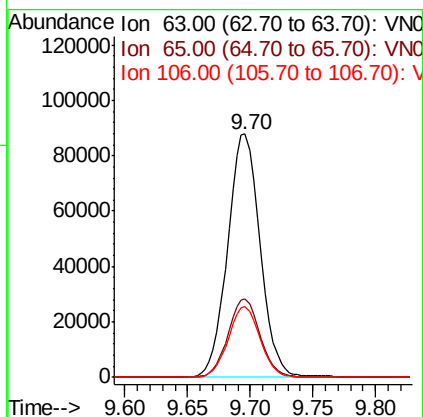
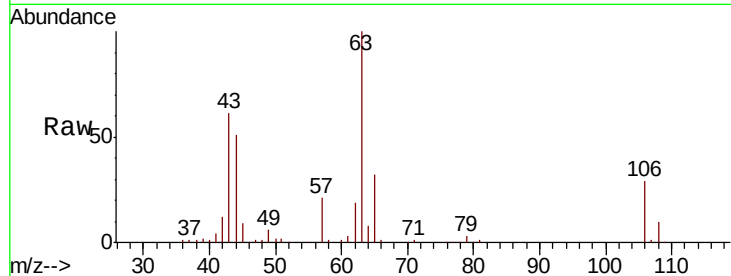




#55
 2-Chloroethyl vinyl ether
 Concen: 95.909 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

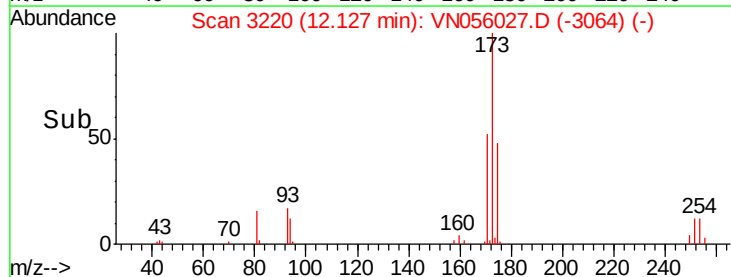
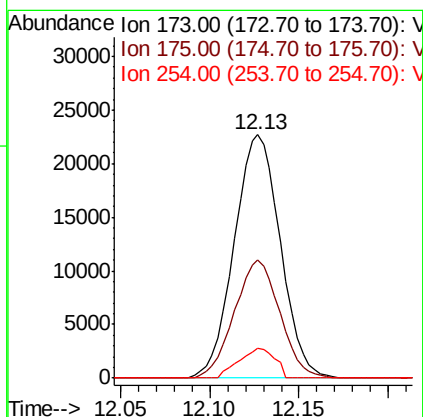
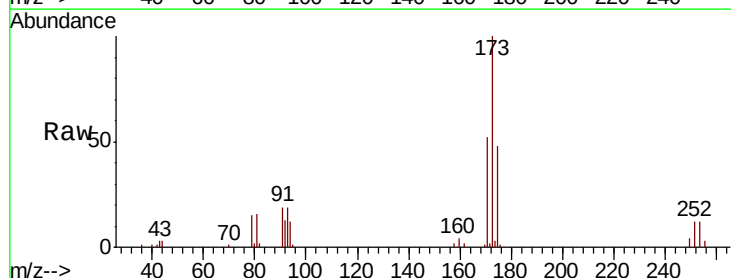
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

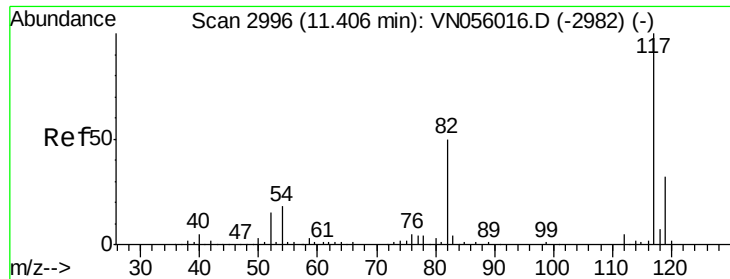
Tot Ion: 63 Resp: 158209
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.5 38.3
 106 28.5 23.0 34.4



#56
 Bromoform
 Concen: 18.562 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 173 Resp: 40920
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.7 58.1
 254 9.6 6.6 9.8

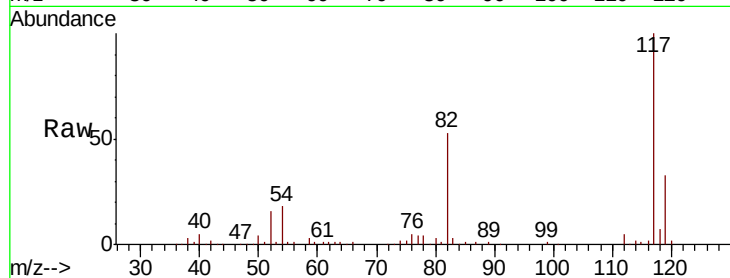




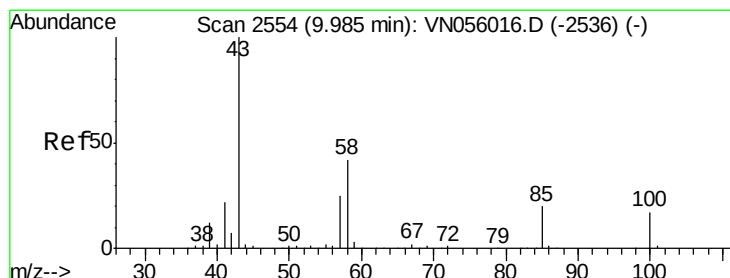
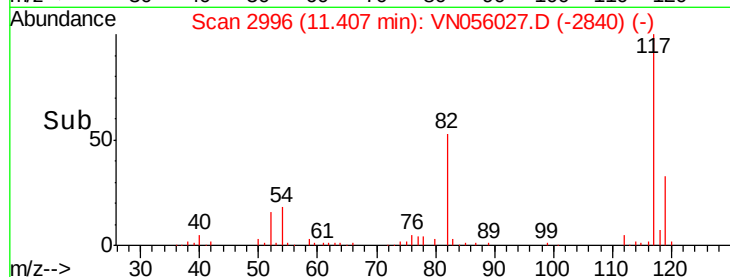
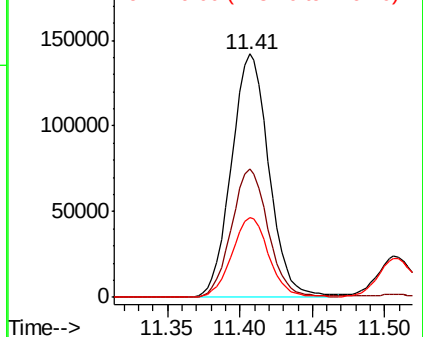
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion:117 Resp: 255765
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.3 26.2 39.2

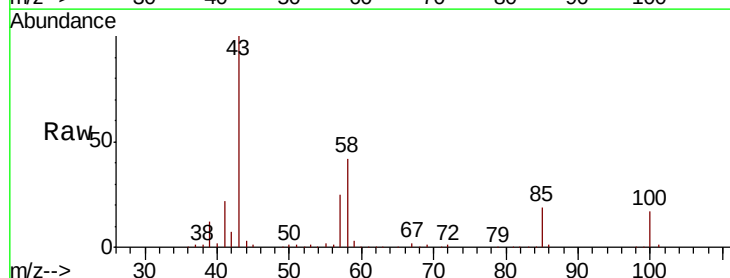


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

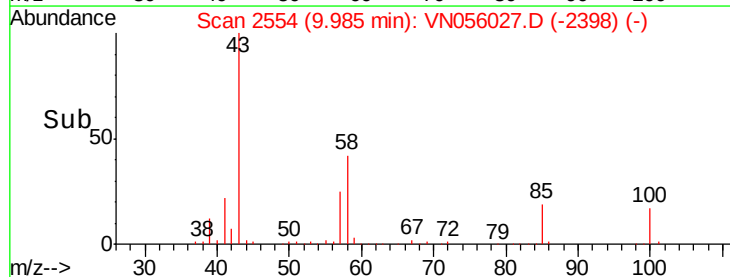
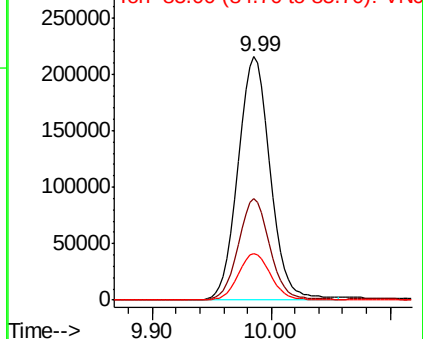


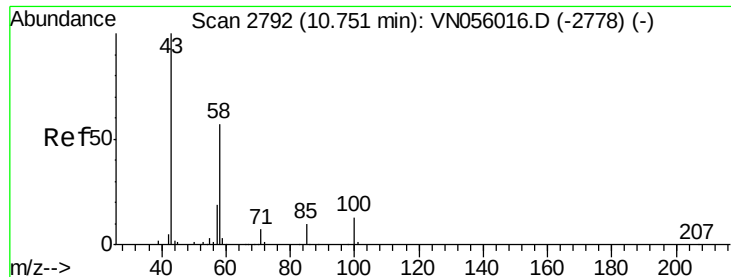
#58
4-Methyl-2-Pentanone
Concen: 104.280 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 43 Resp: 403867
Ion Ratio Lower Upper
43 100
58 41.0 33.1 49.7
85 19.4 15.5 23.3



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

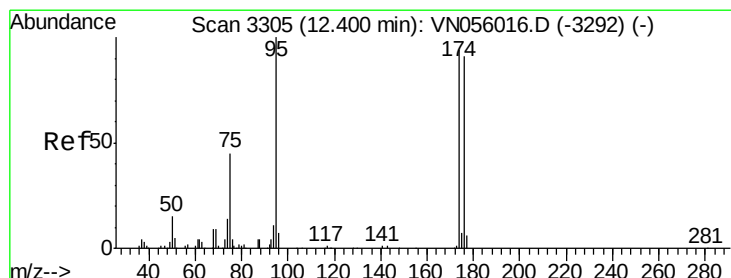
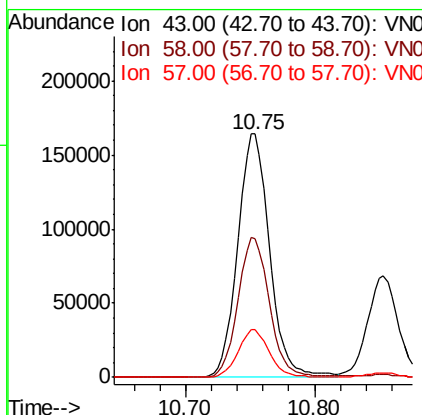
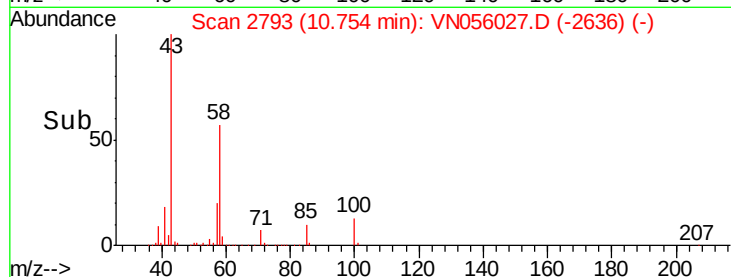
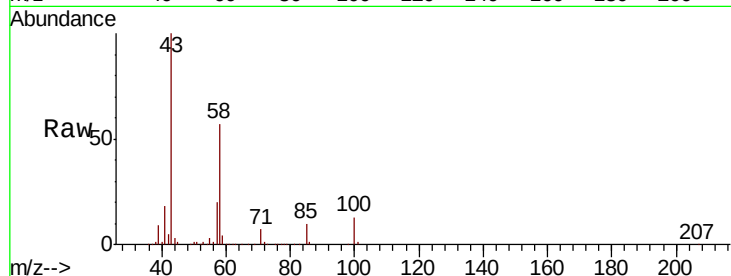




#59
2-Hexanone
Concen: 102.251 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

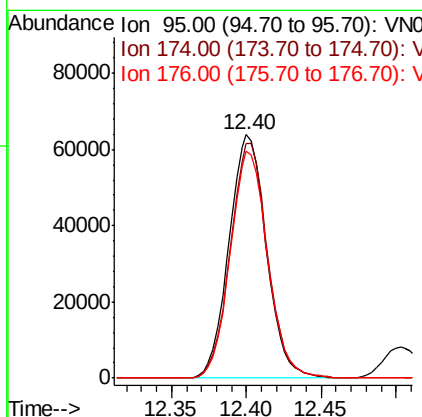
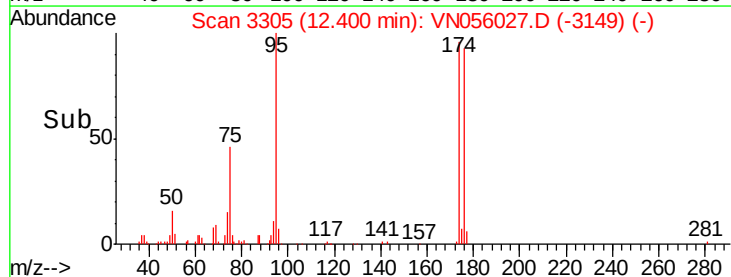
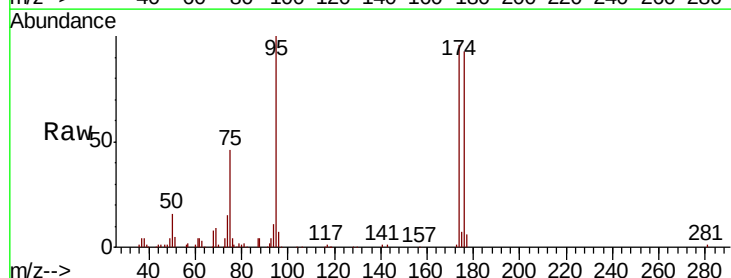
Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

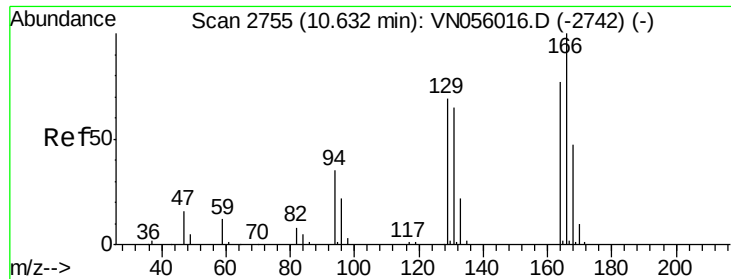
Tot Ion: 43 Resp: 283046
Ion Ratio Lower Upper
43 100
58 56.7 45.3 67.9
57 19.3 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 29.219 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion: 95 Resp: 110769
Ion Ratio Lower Upper
95 100
174 96.4 75.4 113.0
176 93.2 73.9 110.9





#61

Tetrachloroethene

Concen: 21.536 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

Tot Ion:164 Resp: 76769

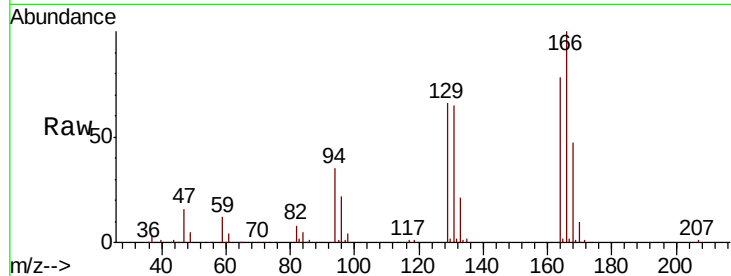
Ion Ratio Lower Upper

164 100

166 127.7 104.3 156.5

129 83.9 71.5 107.3

131 83.2 67.7 101.5

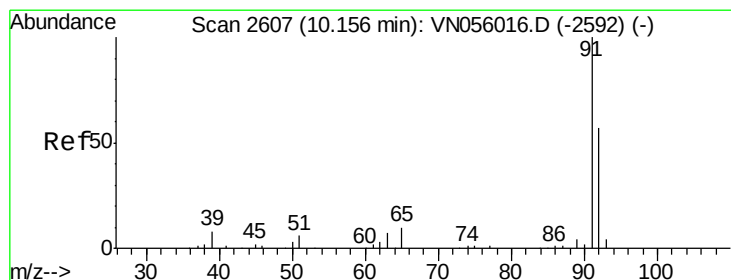
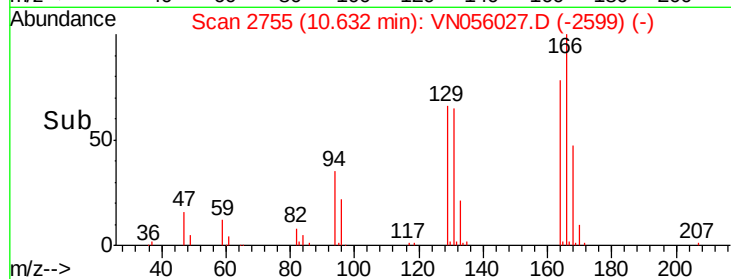
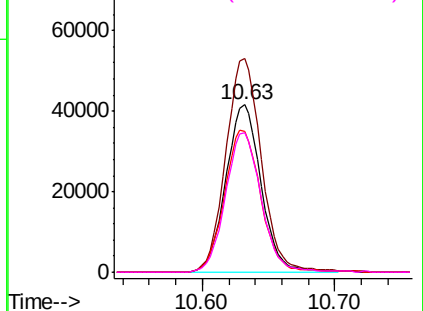


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.656 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056027.D

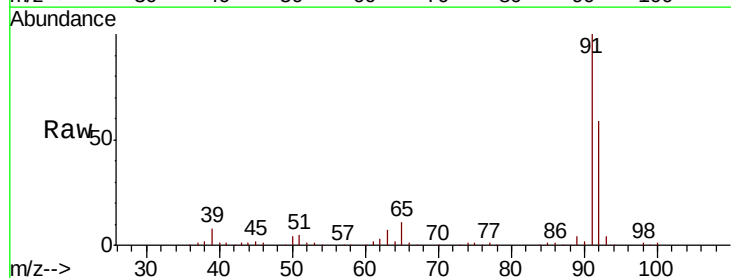
Acq: 6 Jun 2019 00:43

Tgt Ion: 91 Resp: 285204

Ion Ratio Lower Upper

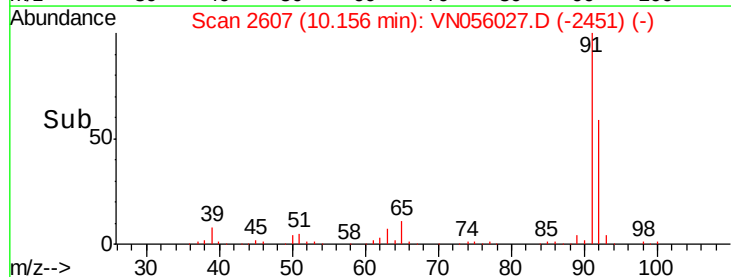
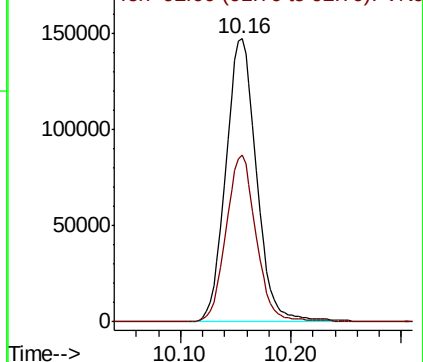
91 100

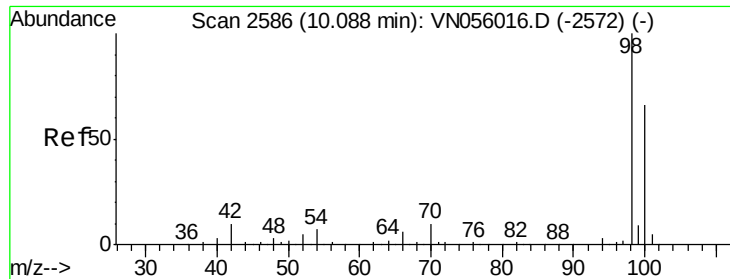
92 57.9 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.302 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

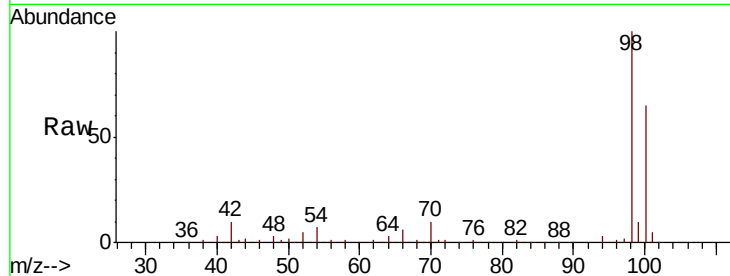
VN0606WBSD01

Tot Ion: 98 Resp: 351571

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

200000

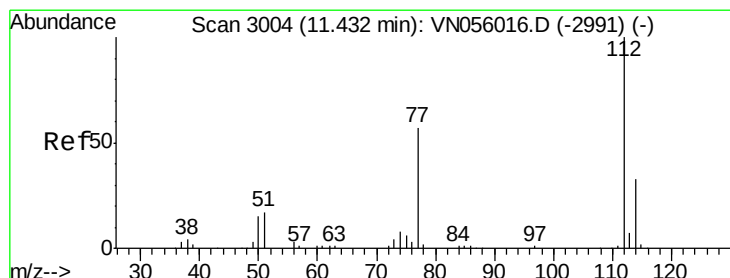
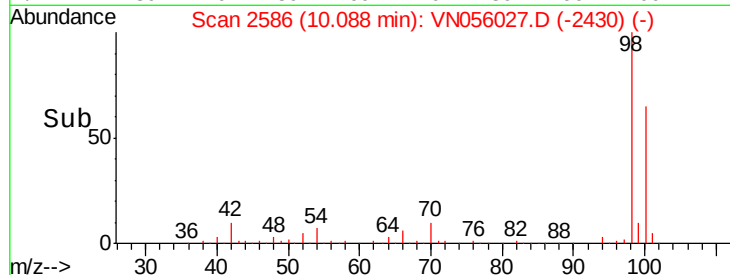
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.558 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056027.D

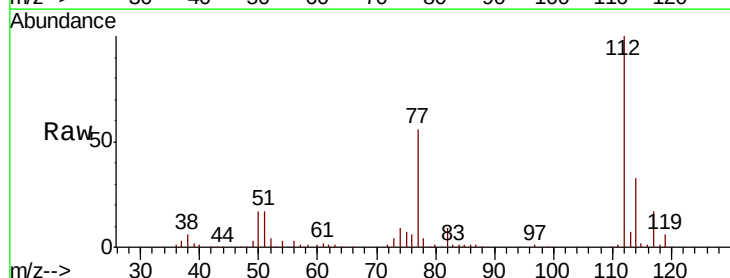
Acq: 6 Jun 2019 00:43

Tgt Ion: 112 Resp: 172169

Ion Ratio Lower Upper

112 100

114 32.5 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)

11.43

100000

80000

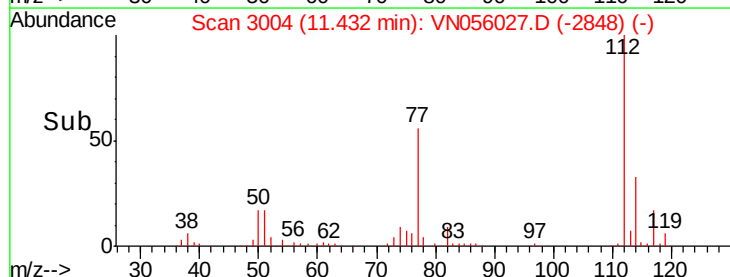
60000

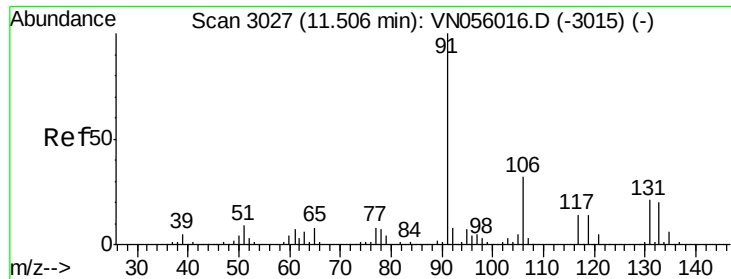
40000

20000

0

Time-->

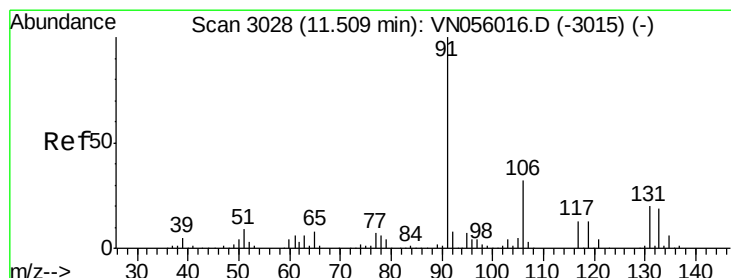
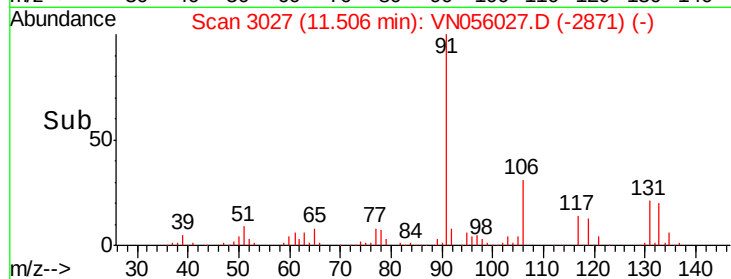
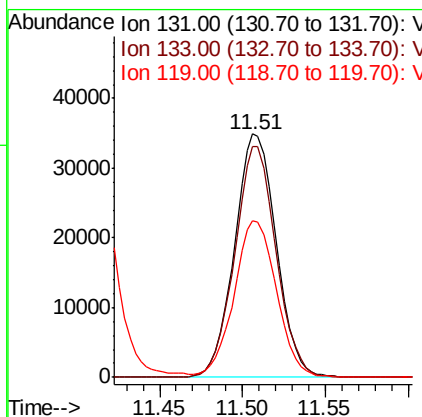
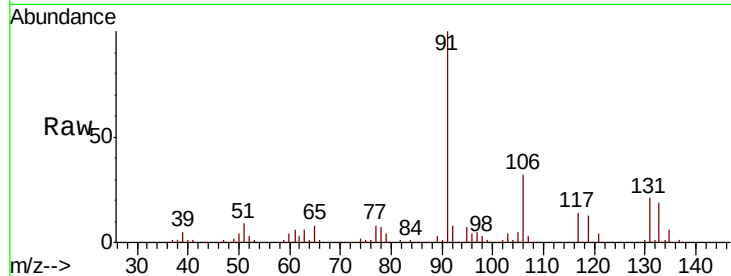




#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.216 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

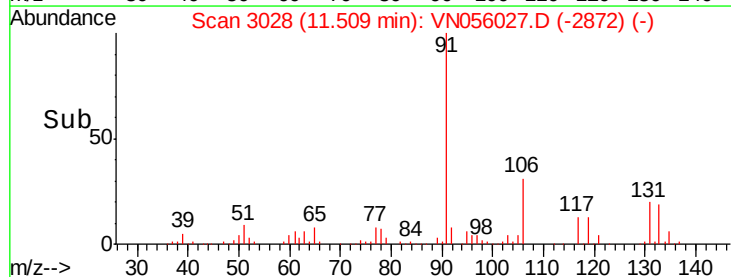
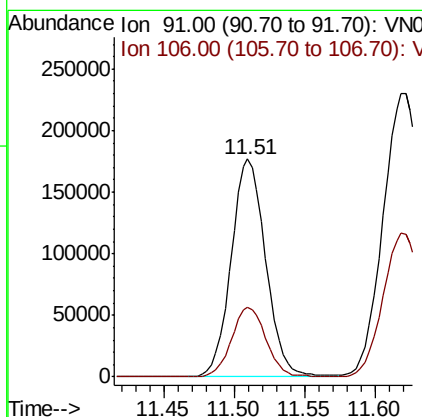
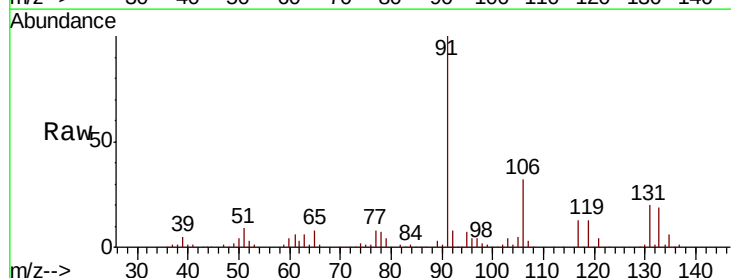
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

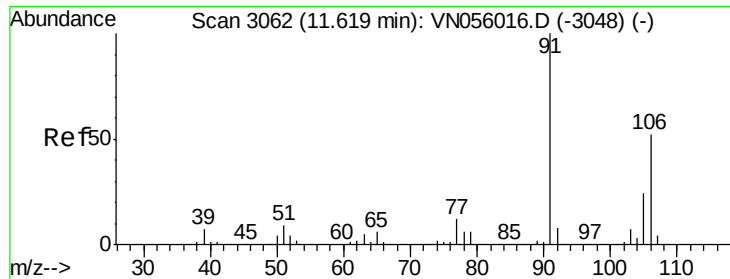
Tot Ion:131 Resp: 61051
 Ion Ratio Lower Upper
 131 100
 133 94.1 0.0 193.8
 119 65.6 0.0 134.4



#66
 Ethyl Benzene
 Concen: 20.640 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 91 Resp: 303530
 Ion Ratio Lower Upper
 91 100
 106 31.9 25.7 38.5

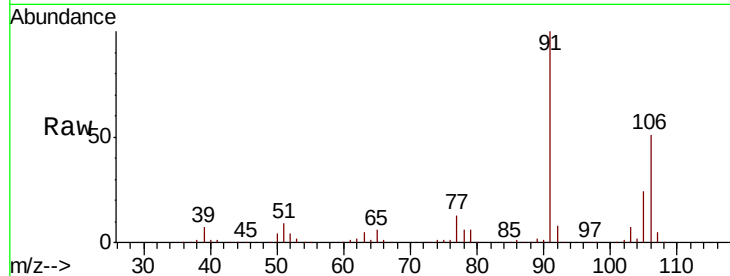




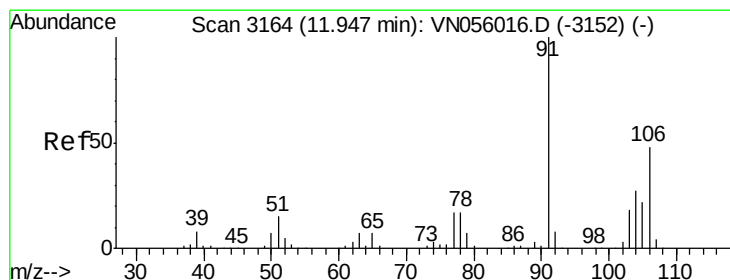
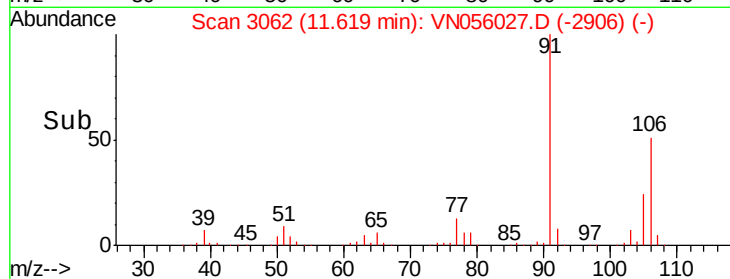
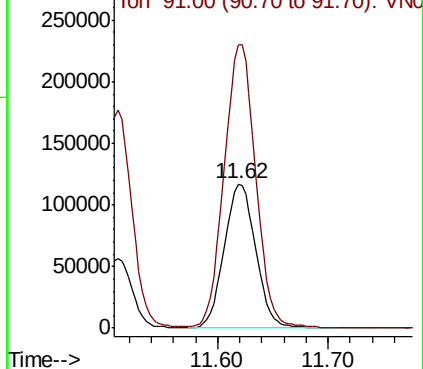
#67
m/p-Xylenes
Concen: 41.207 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion:106 Resp: 231951
Ion Ratio Lower Upper
106 100
91 197.5 155.7 233.5

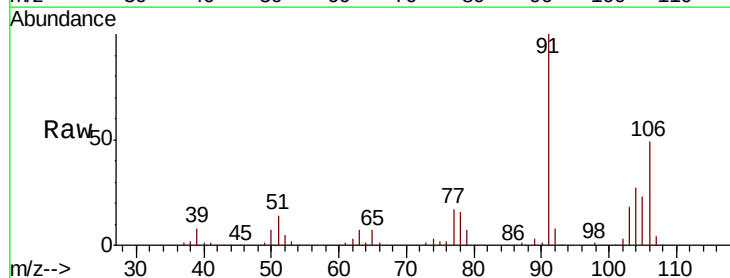


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

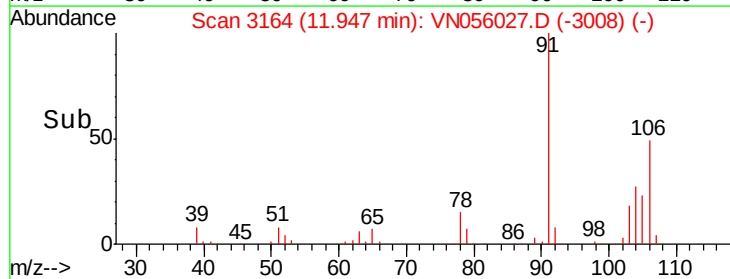
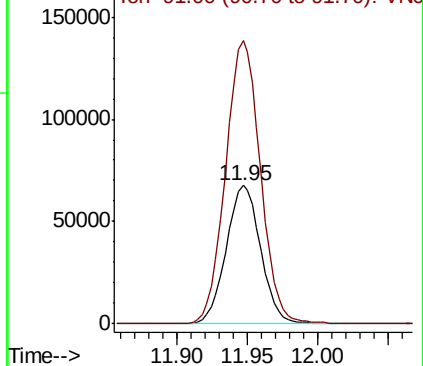


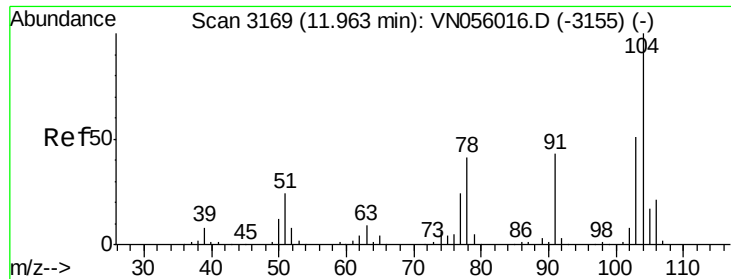
#68
o-Xylene
Concen: 20.982 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion:106 Resp: 115625
Ion Ratio Lower Upper
106 100
91 206.9 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

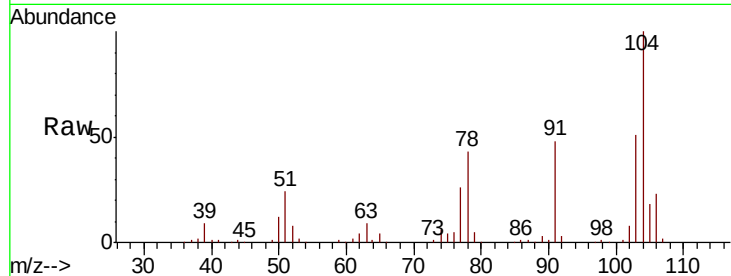




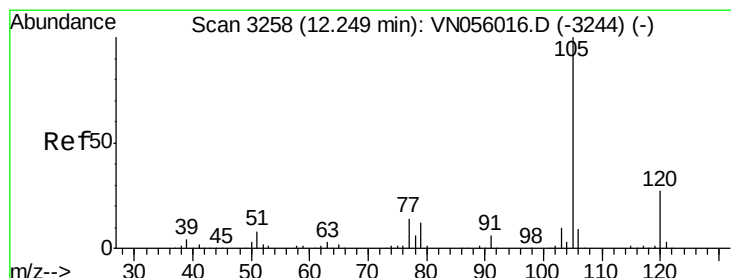
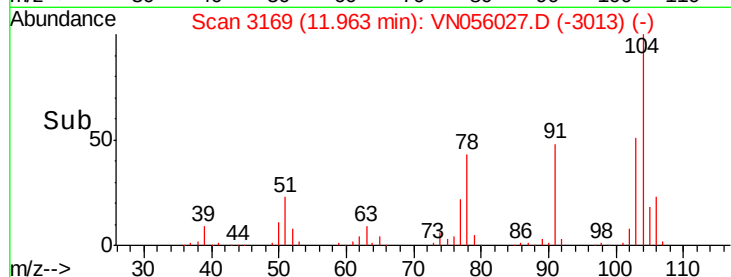
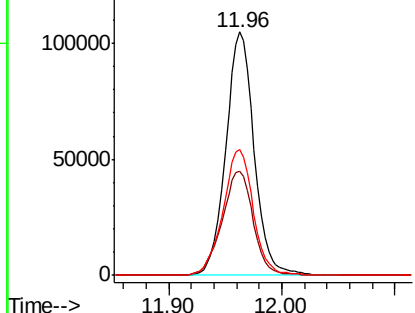
#69
Stvrene
Concen: 20.387 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0606WBSD01

Tot Ion:104 Resp: 182533
Ion Ratio Lower Upper
104 100
78 47.0 37.0 55.6
103 55.3 44.4 66.6

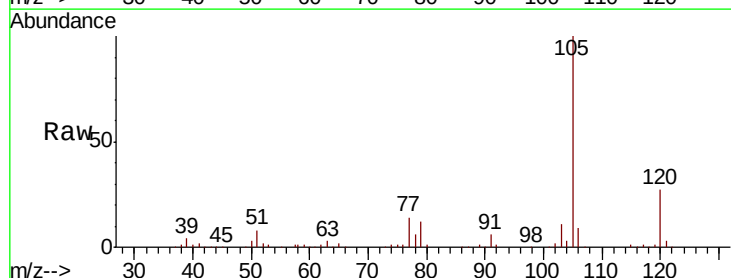


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

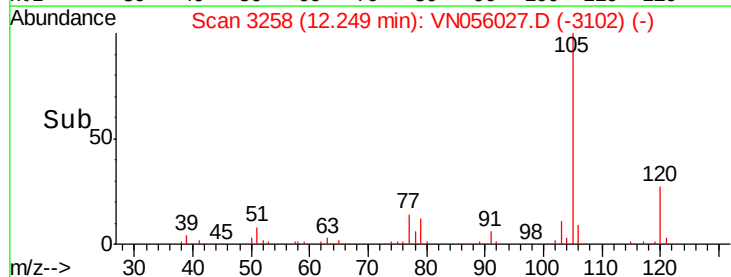
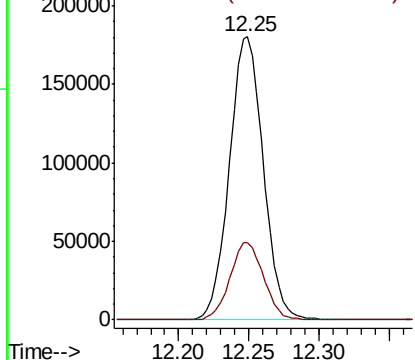


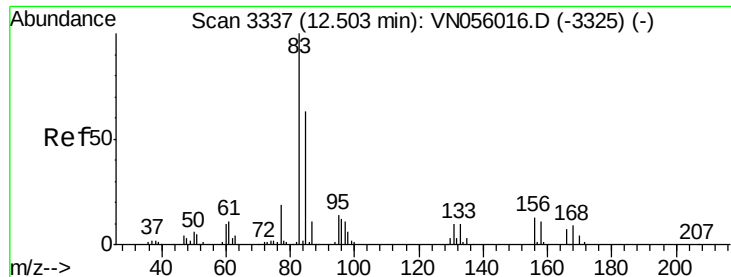
#70
Isopropylbenzene
Concen: 21.056 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056027.D
Acq: 6 Jun 2019 00:43

Tgt Ion:105 Resp: 303160
Ion Ratio Lower Upper
105 100
120 27.2 19.3 35.8



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





#71

1,1,2,2-Tetrachloroethane

Concen: 20.679 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

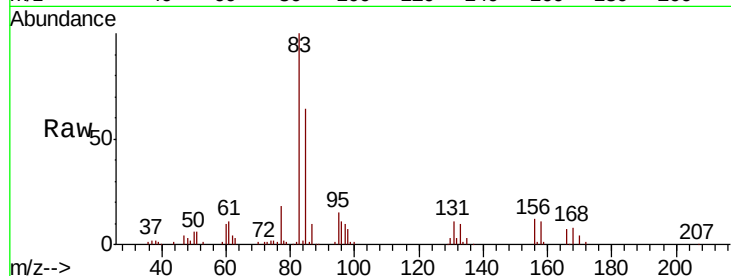
Tot Ion: 83 Resp: 89766

Ion Ratio Lower Upper

83 100

131 11.1 5.2 15.6

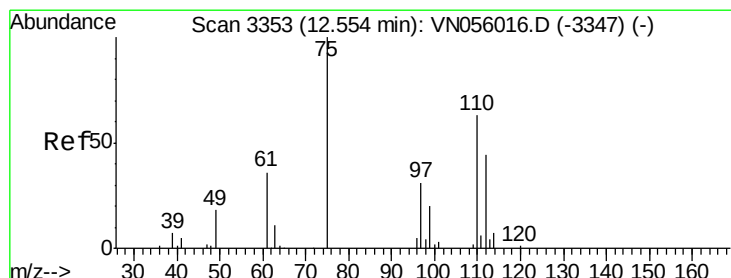
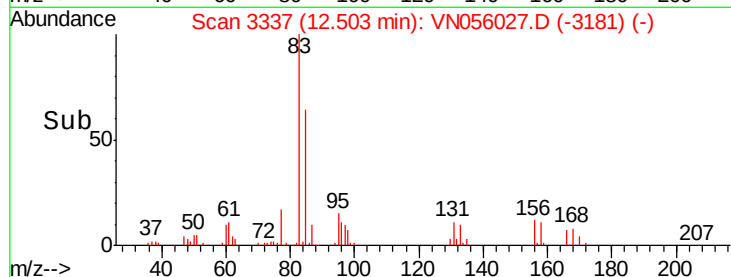
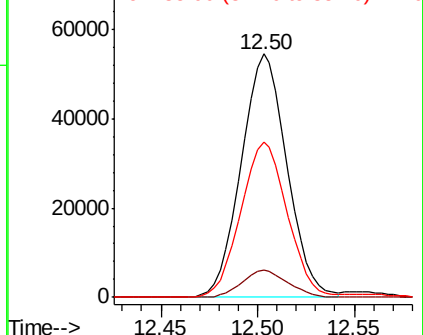
85 64.8 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 26.862 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056027.D

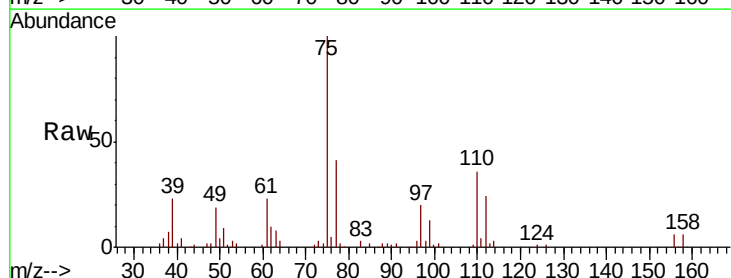
Acq: 6 Jun 2019 00:43

Tgt Ion: 75 Resp: 100945

Ion Ratio Lower Upper

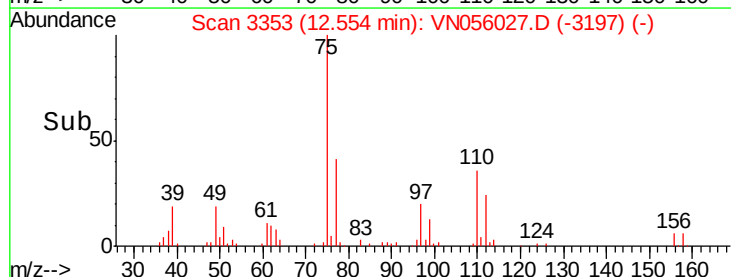
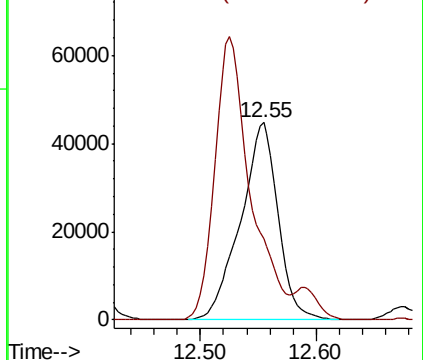
75 100

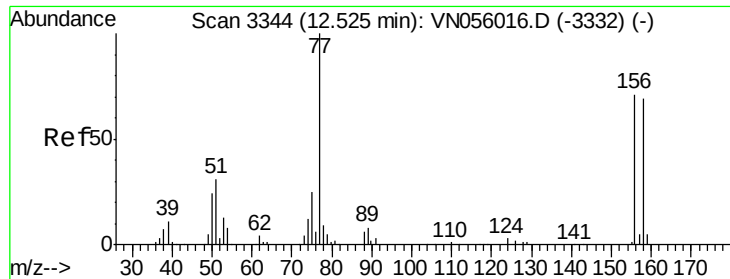
77 136.8 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.618 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

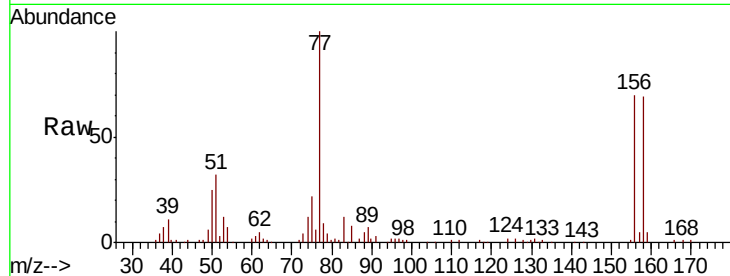
Tot Ion:156 Resp: 78796

Ion Ratio Lower Upper

156 100

77 175.2 0.0 350.8

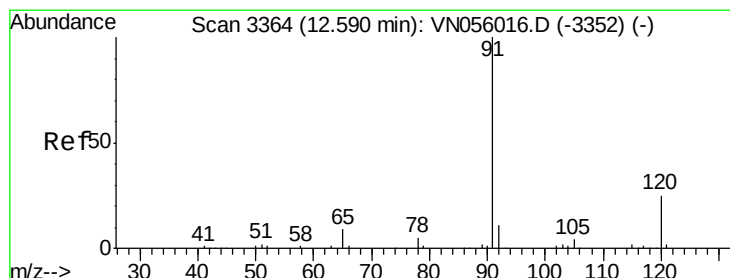
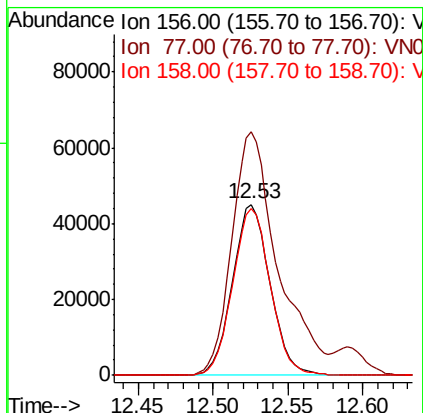
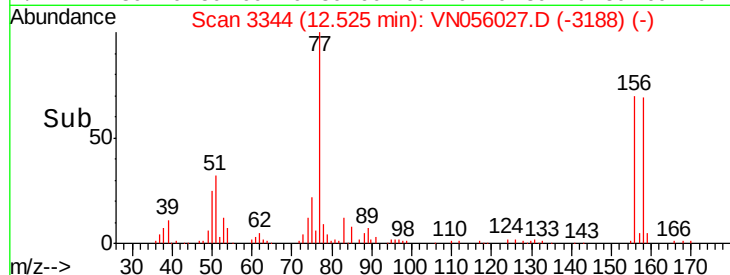
158 97.8 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.482 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056027.D

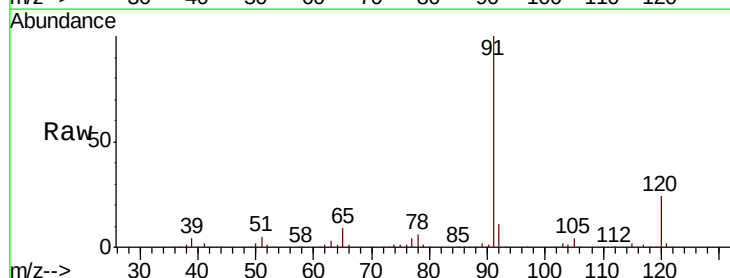
Acq: 6 Jun 2019 00:43

Tgt Ion: 91 Resp: 311210

Ion Ratio Lower Upper

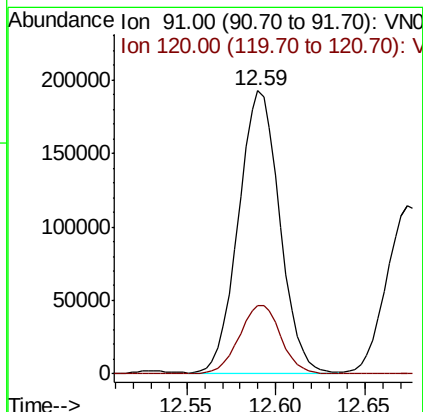
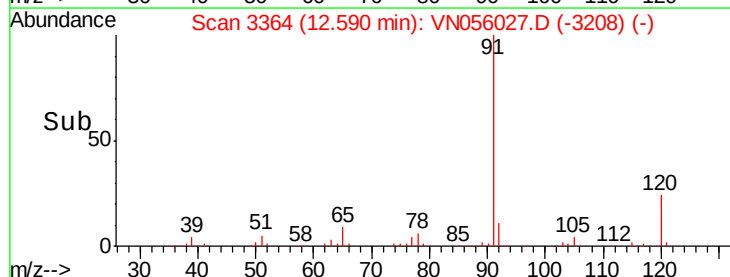
91 100

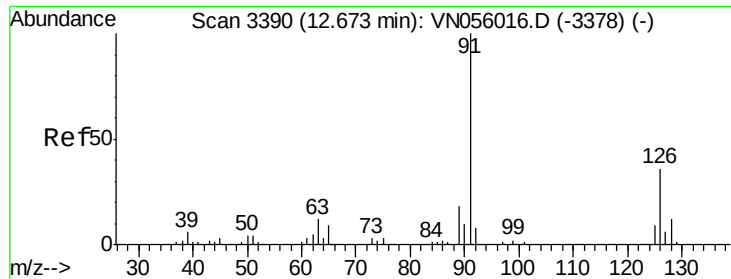
120 24.3 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.754 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

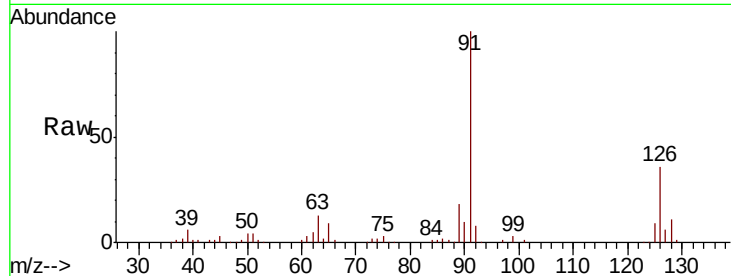
VN0606WBSD01

Tot Ion: 91 Resp: 195598

Ion Ratio Lower Upper

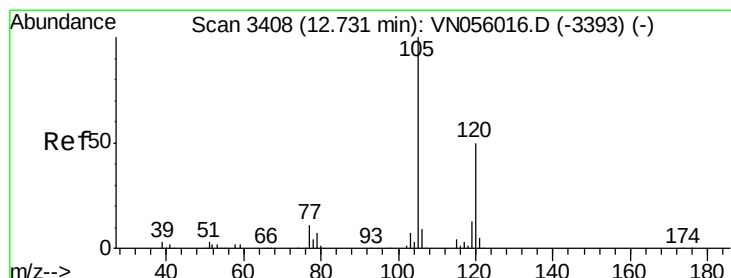
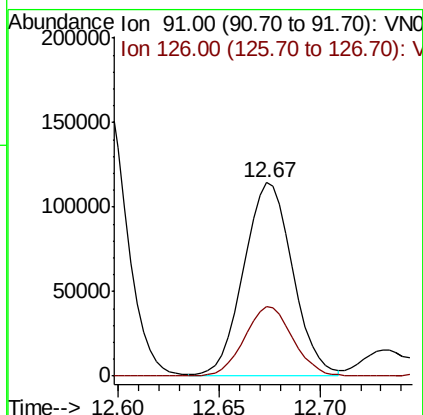
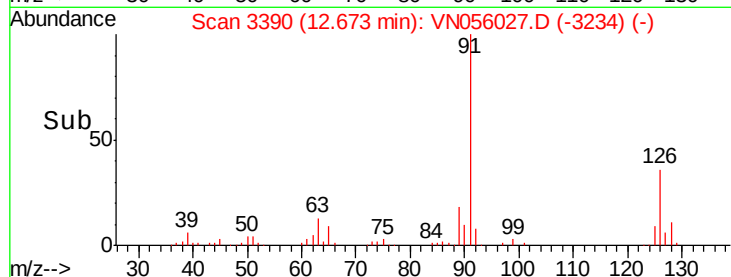
91 100

126 35.4 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN056016.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.566 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056027.D

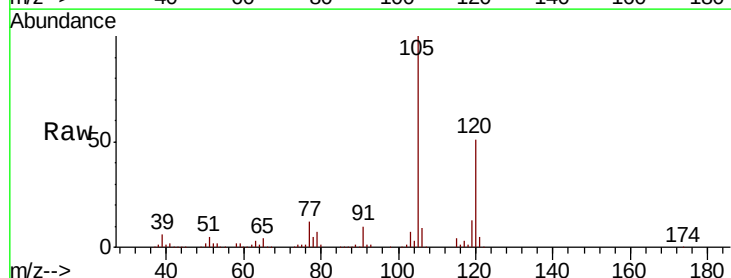
Acq: 6 Jun 2019 00:43

Tgt Ion: 105 Resp: 243573

Ion Ratio Lower Upper

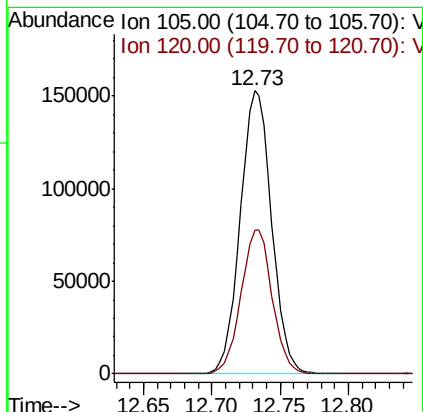
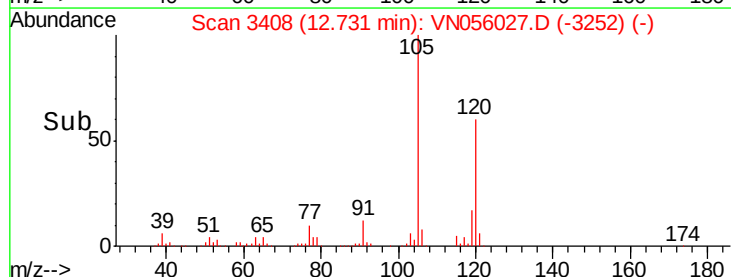
105 100

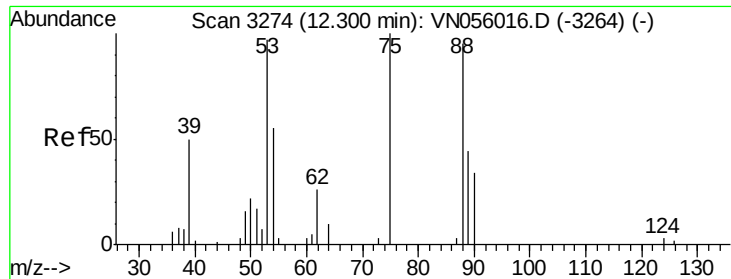
120 50.5 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056016.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056016.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.144 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

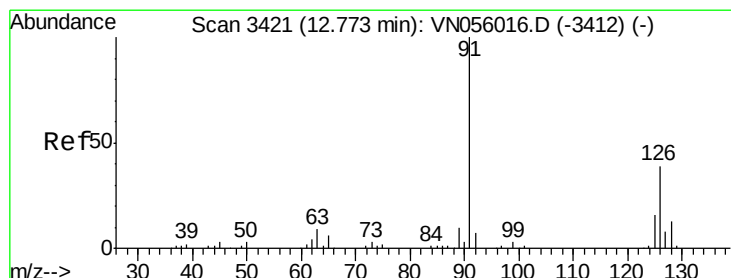
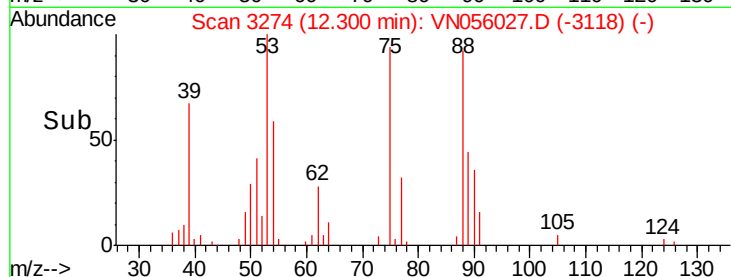
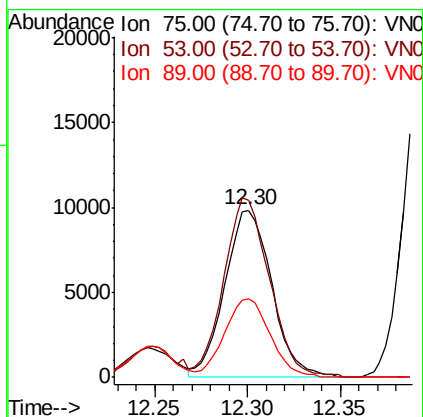
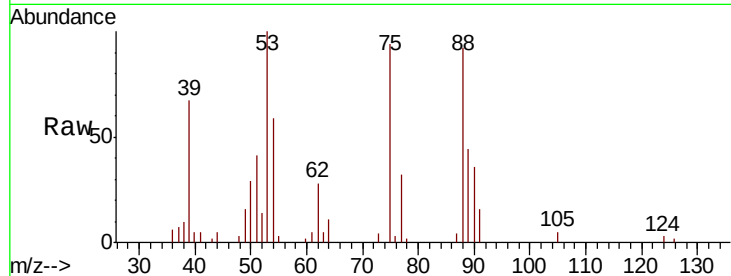
Tot Ion: 75 Resp: 17311

Ion Ratio Lower Upper

75 100

53 104.3 48.0 144.0

89 46.8 22.5 67.5



#78

4-Chlorotoluene

Concen: 20.410 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056027.D

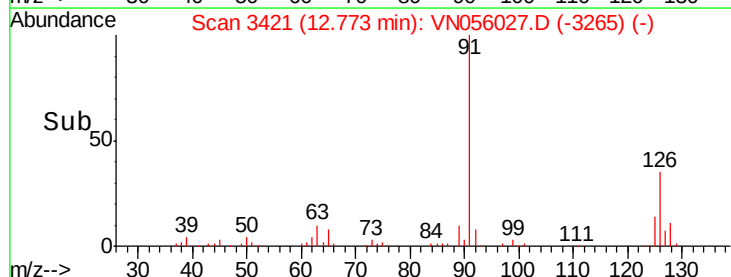
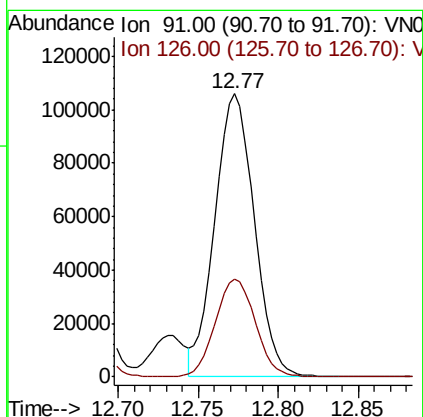
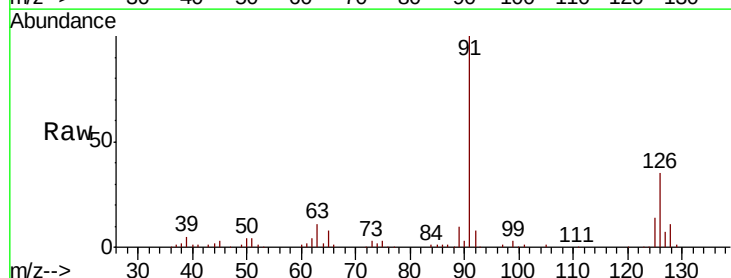
Acq: 6 Jun 2019 00:43

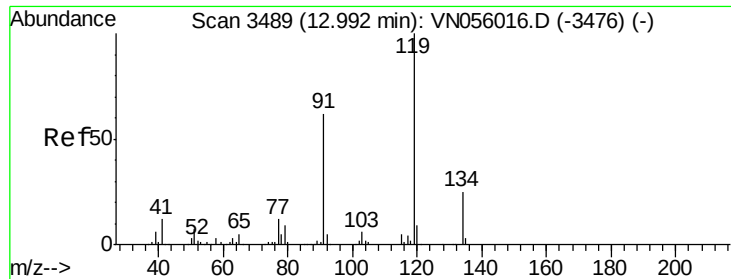
Tgt Ion: 91 Resp: 179644

Ion Ratio Lower Upper

91 100

126 35.0 0.0 71.8





#79

tert-butylbenzene

Concen: 20.819 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

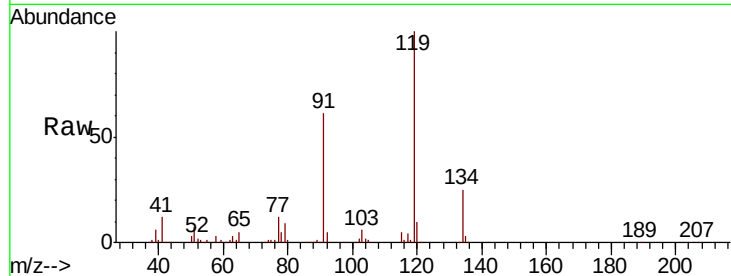
Tot Ion:119 Resp: 218442

Ion Ratio Lower Upper

119 100

91 60.8 0.0 122.8

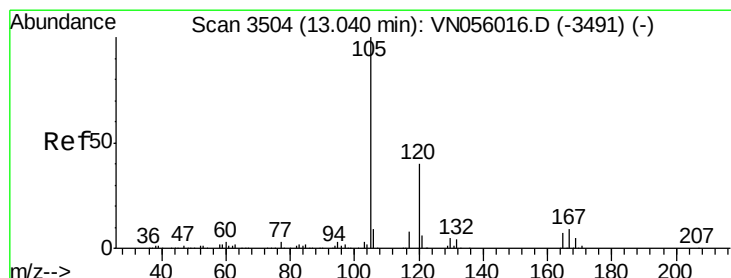
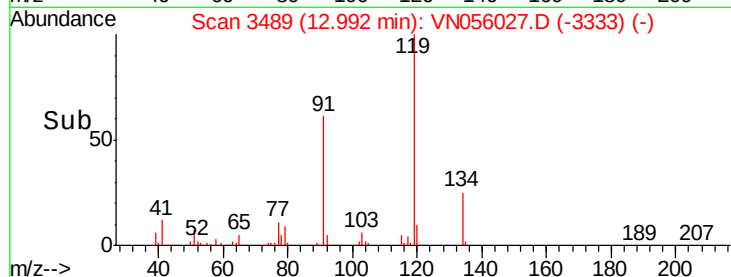
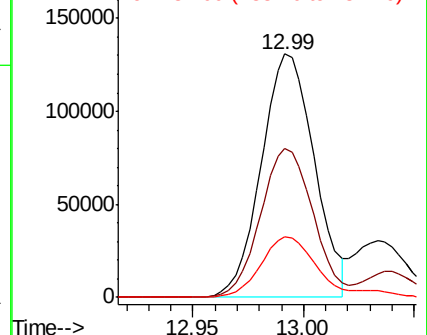
134 25.6 0.0 50.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.721 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056027.D

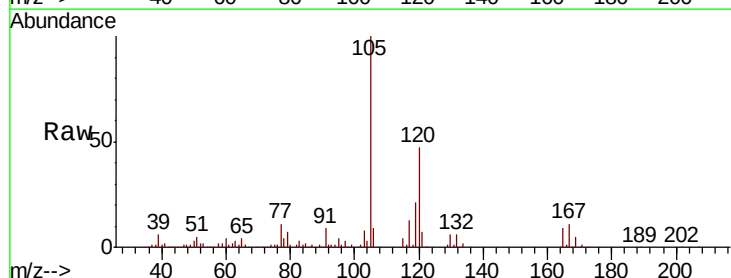
Acq: 6 Jun 2019 00:43

Tgt Ion:105 Resp: 238723

Ion Ratio Lower Upper

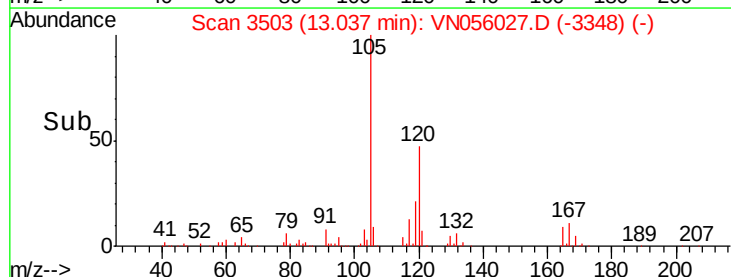
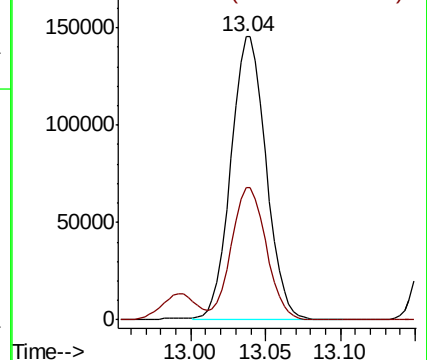
105 100

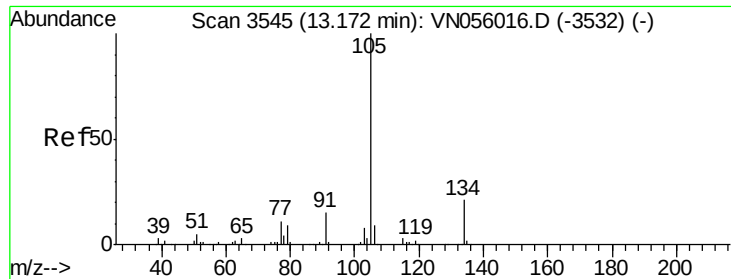
120 46.3 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.788 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

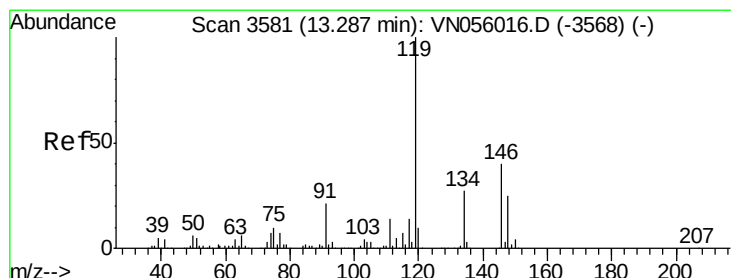
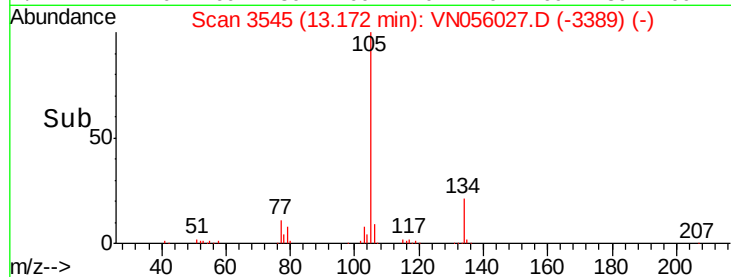
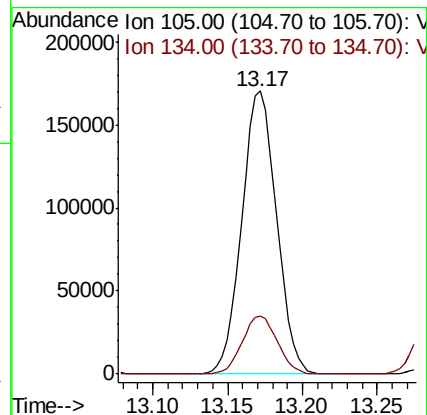
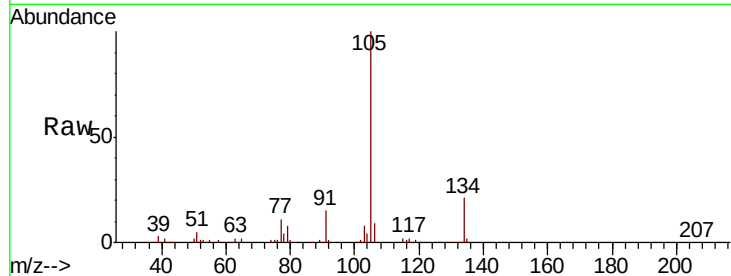
VN0606WBSD01

Tot Ion:105 Resp: 275932

Ion Ratio Lower Upper

105 100

134 20.7 0.0 41.8



#82

p-Isopropyltoluene

Concen: 20.319 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

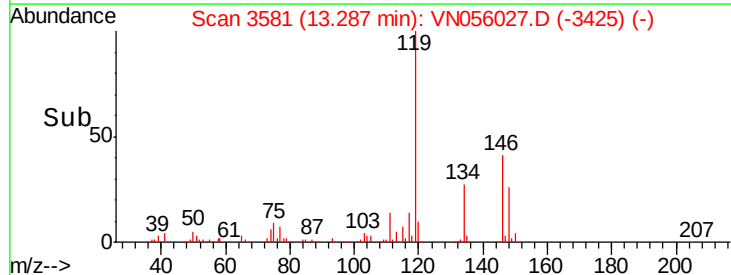
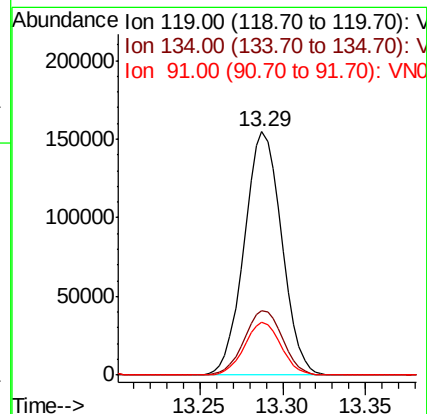
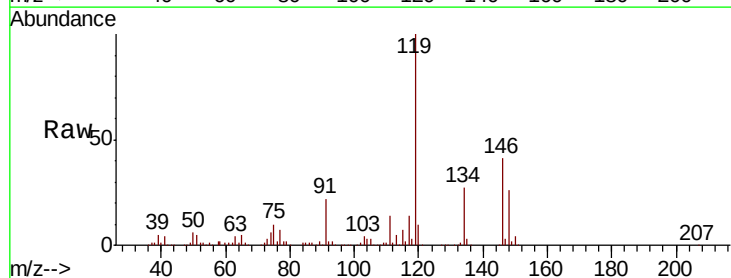
Tgt Ion:119 Resp: 243844

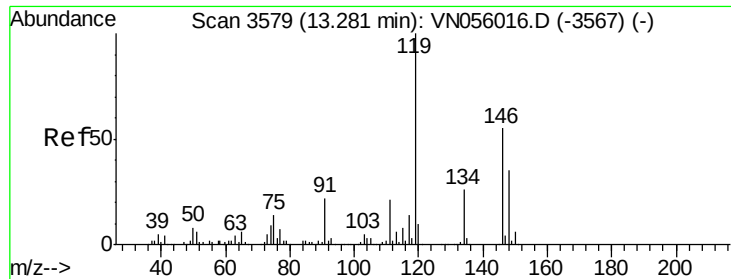
Ion Ratio Lower Upper

119 100

134 27.2 0.0 53.4

91 21.4 0.0 43.0

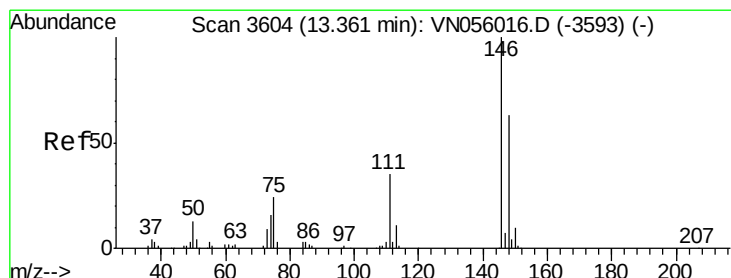
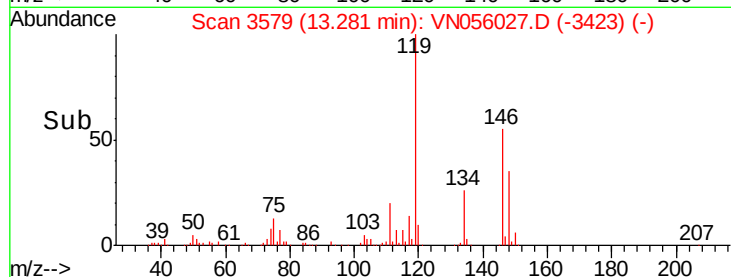
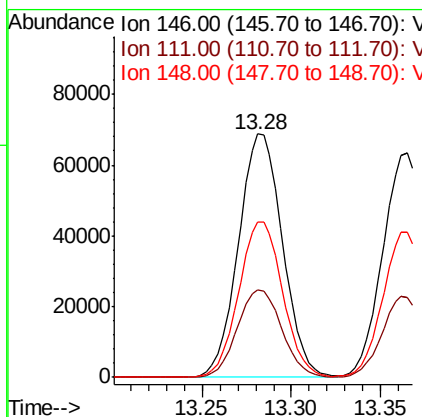
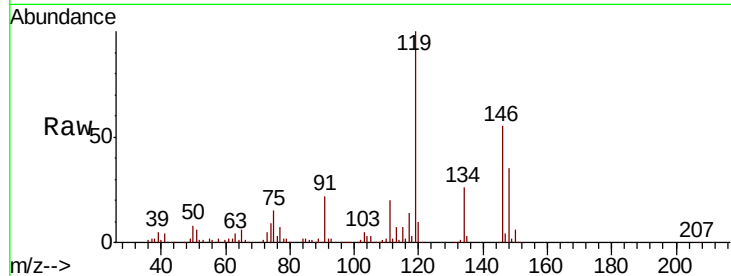




#83
 1,3-Dichlorobenzene
 Concen: 19.873 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

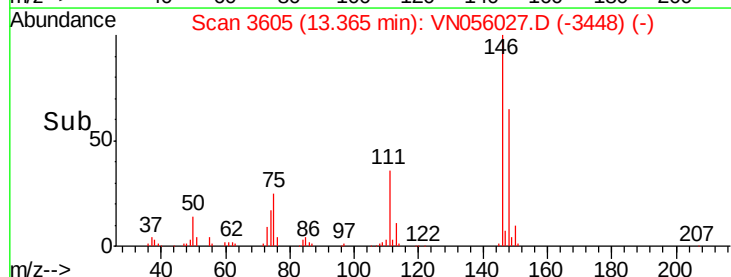
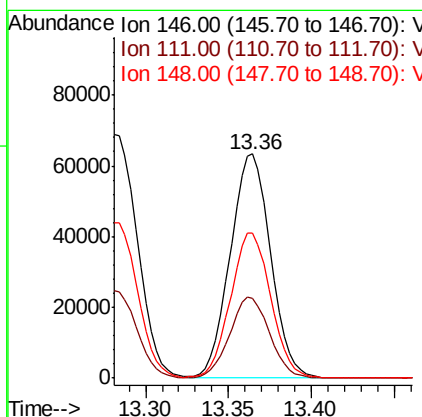
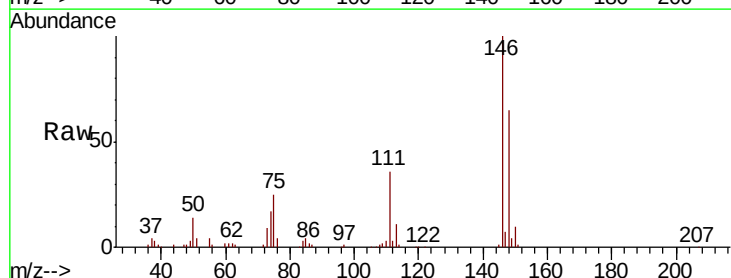
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBSD01

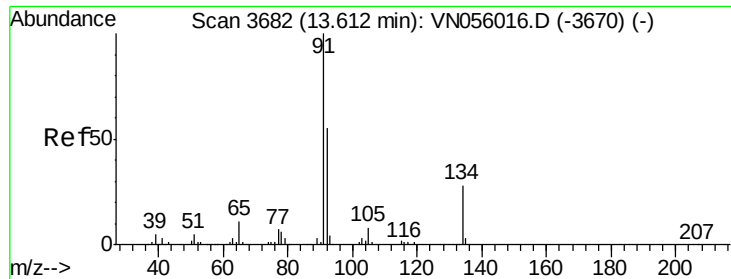
Tot Ion:146 Resp: 118362
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.2 54.6
 148 63.7 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 19.015 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion:146 Resp: 107875
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.6 52.9
 148 64.6 32.1 96.3





#85

n-Butylbenzene

Concen: 18.538 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0606WBSD01

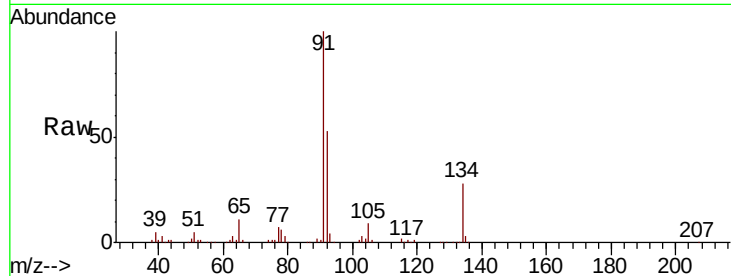
Tot Ion: 91 Resp: 166046

Ion Ratio Lower Upper

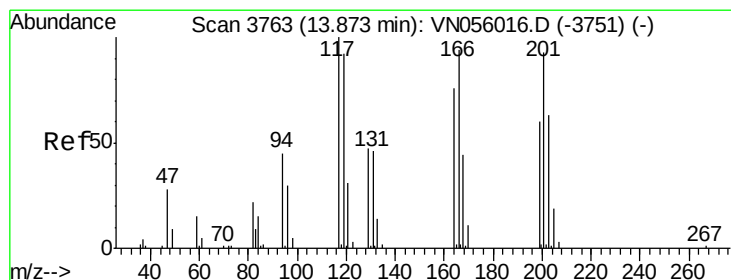
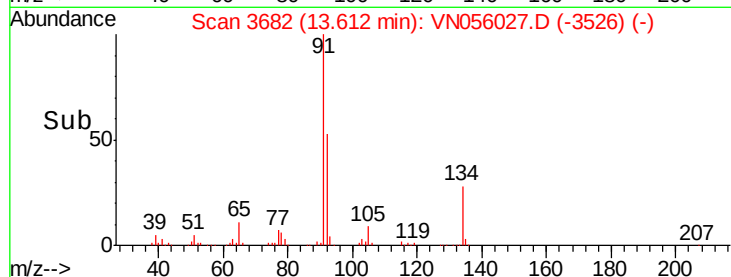
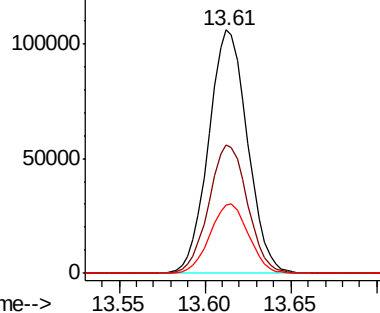
91 100

92 52.5 0.0 107.2

134 28.2 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056016.D (-3670) (-)



#86

Hexachloroethane

Concen: 18.923 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056027.D

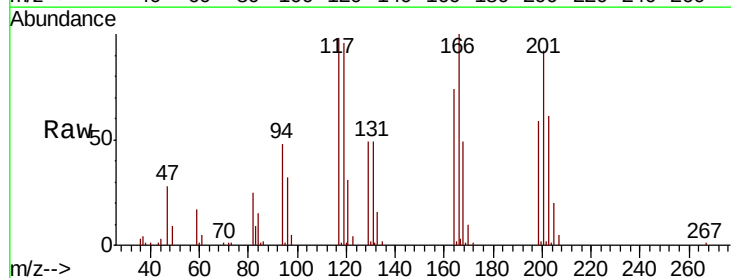
Acq: 6 Jun 2019 00:43

Tgt Ion: 117 Resp: 35403

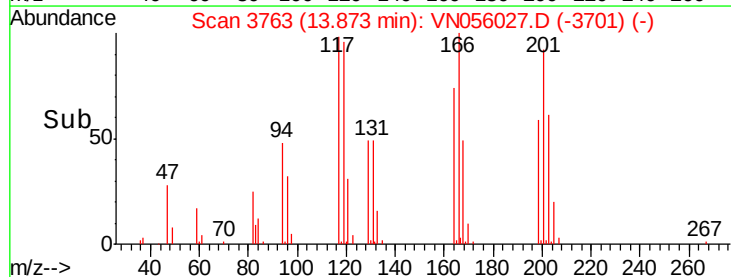
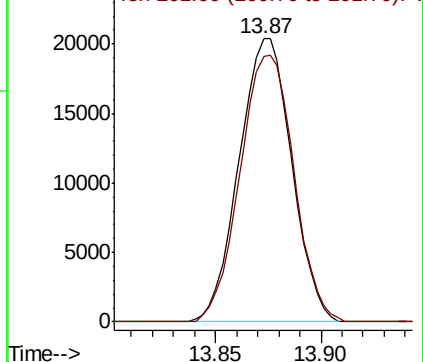
Ion Ratio Lower Upper

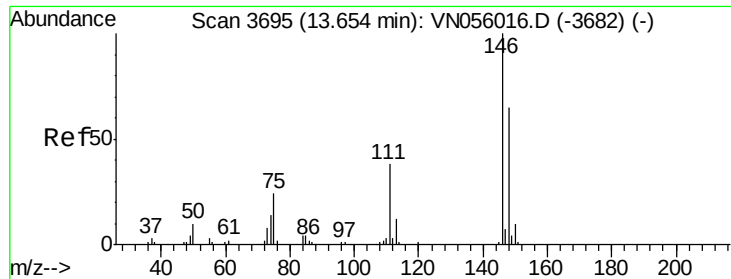
117 100

201 96.1 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056016.D (-3751) (-)

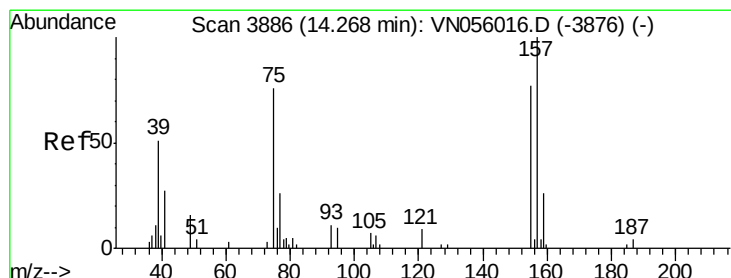
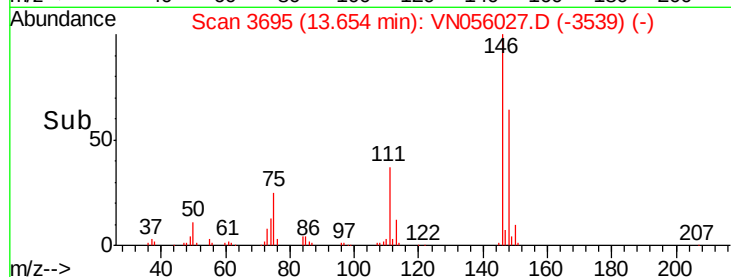
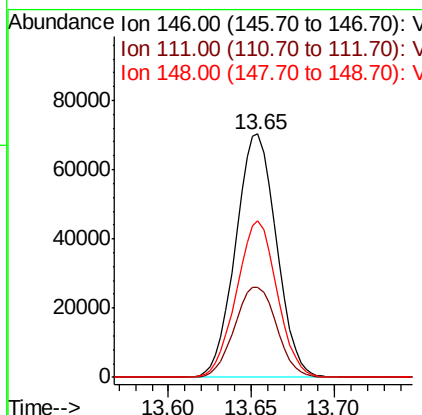
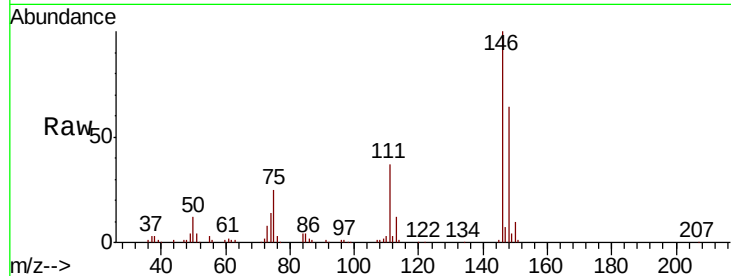




#87
 1,2-Dichlorobenzene
 Concen: 19.889 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

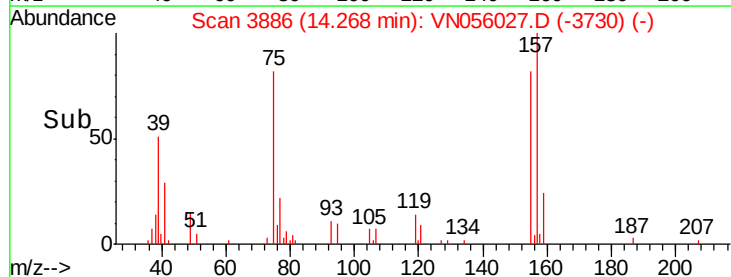
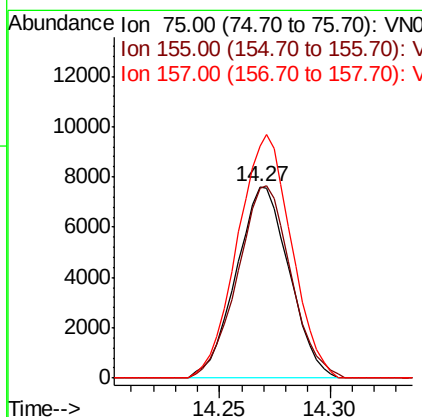
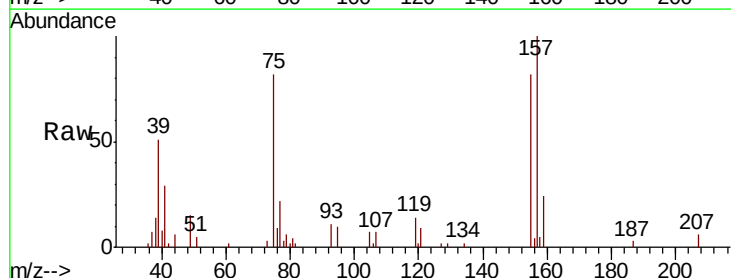
Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBSD01

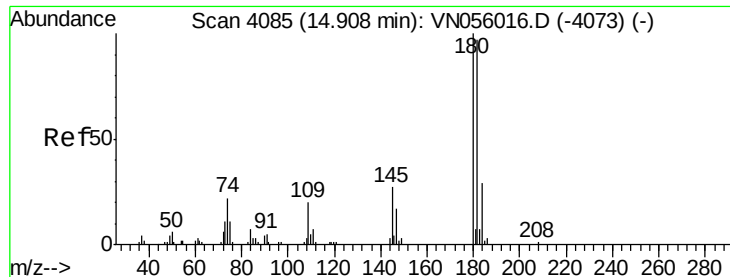
Tot Ion:146 Resp: 120404
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.3 57.9
 148 63.7 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.631 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion: 75 Resp: 12695
 Ion Ratio Lower Upper
 75 100
 155 100.7 82.5 123.7
 157 128.6 105.1 157.7

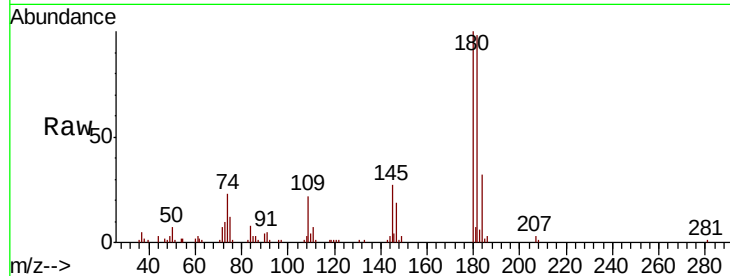




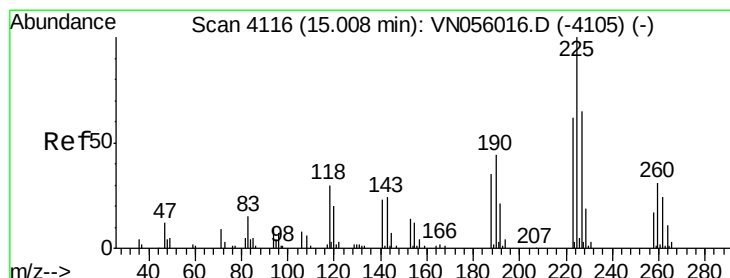
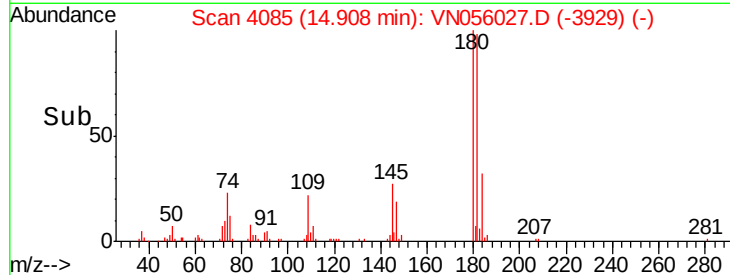
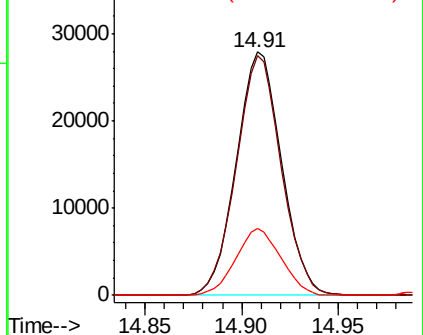
#89
 1,2,4-Trichlorobenzene
 Concen: 19.244 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBSD01

Tot Ion:180 Resp: 45390
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.0 112.6
 145 27.4 22.1 33.1

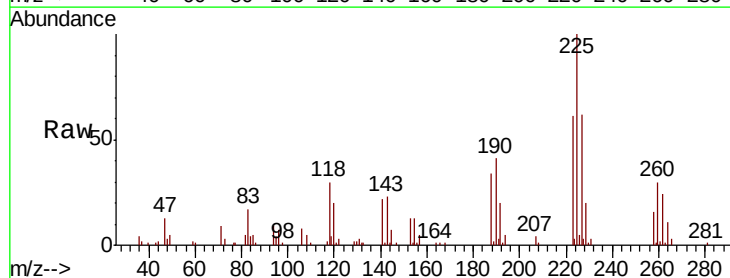


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

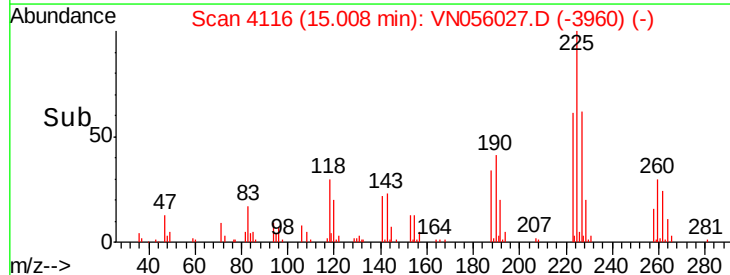
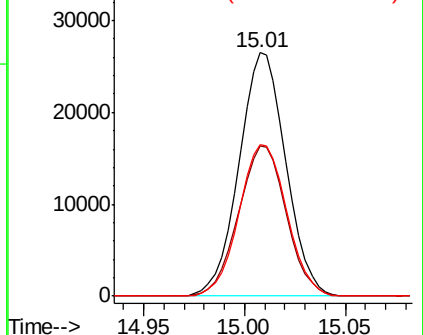


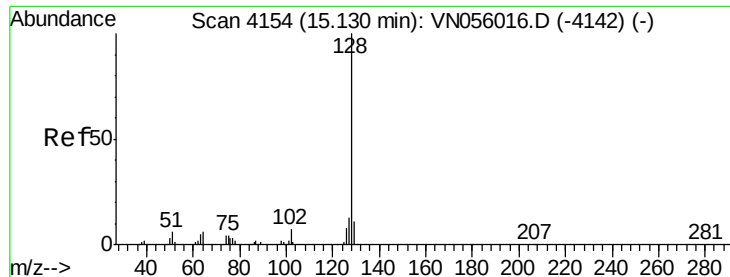
#90
 Hexachlorobutadiene
 Concen: 19.468 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056027.D
 Acq: 6 Jun 2019 00:43

Tgt Ion:225 Resp: 43025
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 125.6
 227 63.4 0.0 128.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 16.218 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBSD01

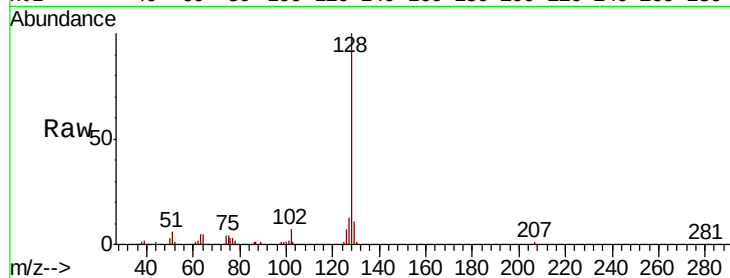
Tot Ion:128 Resp: 130392

Ion Ratio Lower Upper

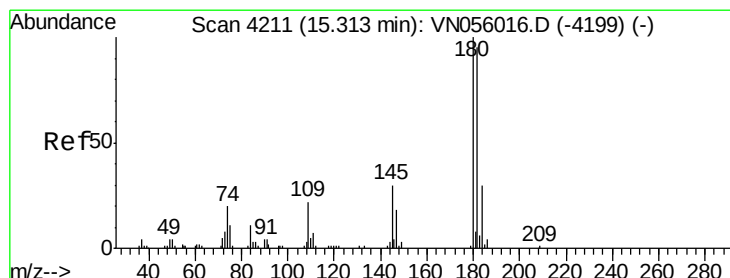
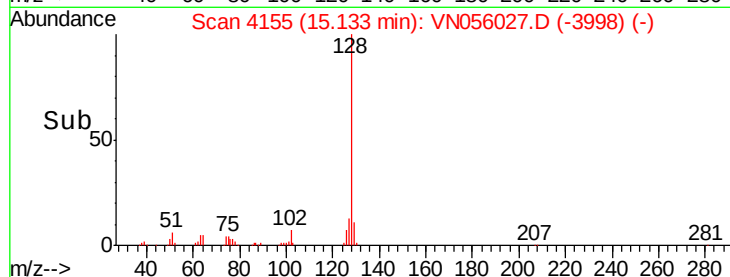
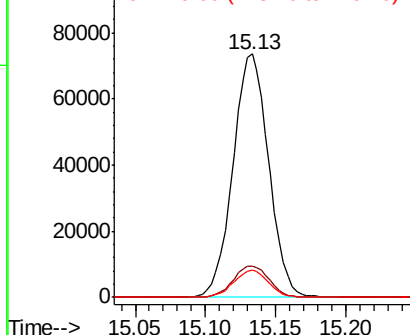
128 100

127 12.9 10.4 15.6

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
100000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.157 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056027.D

Acq: 6 Jun 2019 00:43

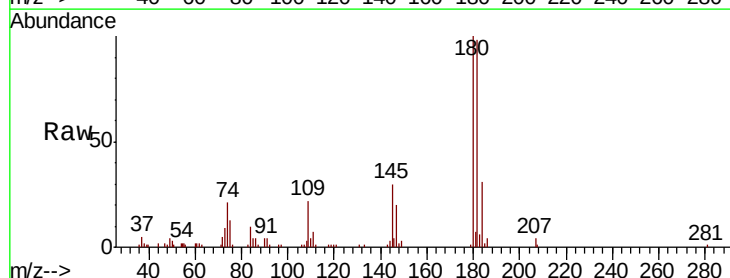
Tgt Ion:180 Resp: 54368

Ion Ratio Lower Upper

180 100

182 95.9 0.0 193.4

145 30.3 0.0 59.8



Abundance Ion 180.00 (179.70 to 180.70): V
40000
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

