

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056359.D
 Acq On : 18 Jun 2019 12:33
 Operator : JC/SP
 Sample : VN0618WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:59:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	354929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	549073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	215518	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
35) Dibromofluoromethane	7.59	113	182584	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	10.09	98	705082	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.40	95	224672	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64242	20.587	ug/l	97
3) Chloromethane	2.06	50	82959	19.827	ug/l	99
4) Vinyl Chloride	2.18	62	83193	20.231	ug/l	100
5) Bromomethane	2.54	94	47322	19.784	ug/l	98
6) Chloroethane	2.69	64	47733	20.042	ug/l	99
7) Trichlorofluoromethane	3.01	101	103751	19.756	ug/l	99
8) Diethyl Ether	3.40	74	42763	20.530	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66528	19.587	ug/l	99
10) Methyl Iodide	3.94	142	87236	20.069	ug/l	100
11) Tert butyl alcohol	4.82	59	60818	96.847	ug/l	96
12) 1,1-Dichloroethene	3.72	96	64009	19.433	ug/l	98
13) Acrolein	3.60	56	17675	100.272	ug/l	99
14) Allyl chloride	4.31	41	104422	18.904	ug/l	97
15) Acrylonitrile	4.99	53	185738	103.488	ug/l	98
16) Acetone	3.82	43	183155	83.056	ug/l	100
17) Carbon Disulfide	4.04	76	139874	15.870	ug/l	96
18) Methyl Acetate	4.33	43	82592	20.432	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	208766	20.782	ug/l	100
20) Methylene Chloride	4.55	84	77343	19.862	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	70631	20.160	ug/l	98
22) Diisopropyl ether	5.96	45	222428	20.484	ug/l	99
23) Vinyl Acetate	5.90	43	906549	102.614	ug/l	98
24) 1,1-Dichloroethane	5.85	63	127703	20.059	ug/l	98
25) 2-Butanone	6.84	43	256475	95.955	ug/l	99
26) 2,2-Dichloropropane	6.82	77	79286	17.222	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	82174	20.250	ug/l	98
28) Bromochloromethane	7.19	49	66909	20.987	ug/l	98
29) Tetrahydrofuran	7.22	42	167409	105.442	ug/l	98
30) Chloroform	7.37	83	126584	19.960	ug/l	99
31) Cyclohexane	7.65	56	121906	19.819	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	100621	19.155	ug/l	99
36) 1,1-Dichloropropene	7.79	75	93395	18.902	ug/l	99
37) Ethyl Acetate	6.93	43	97951	20.919	ug/l	99
38) Carbon Tetrachloride	7.77	117	82781	17.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117252	19.455	ug/l	99
40) Benzene	8.04	78	298051	19.885	ug/l	98
41) Methacrylonitrile	7.18	41	39076	18.174	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	100414	20.429	ug/l	98
43) Isopropyl Acetate	8.17	43	145477	19.422	ug/l	99
44) Trichloroethene	8.83	130	80100	19.651	ug/l	99
45) 1,2-Dichloropropane	9.12	63	80315	20.275	ug/l	99
46) Dibromomethane	9.21	93	51439	19.541	ug/l	100
47) Bromodichloromethane	9.40	83	88207	17.539	ug/l	97
48) Methyl methacrylate	9.20	41	73871	19.547	ug/l	98
49) 1,4-Dioxane	9.21	88	28434	372.982	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	476251	99.762	ug/l	100
52) Toluene	10.16	92	181874	19.880	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	85924	17.207	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	104774	18.191	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	75228	20.008	ug/l	99
56) Ethyl methacrylate	10.43	69	107507	19.882	ug/l	98
57) 1,3-Dichloropropane	10.71	76	124757	19.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	201245	109.054	ug/l	98
59) 2-Hexanone	10.75	43	340876	96.279	ug/l	99
60) Dibromochloromethane	10.90	129	66071	16.755	ug/l	99
61) 1,2-Dibromoethane	11.00	107	76655	19.834	ug/l	99
64) Tetrachloroethene	10.63	164	78182	19.570	ug/l	98
65) Chlorobenzene	11.43	112	193767	19.592	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	66468	18.002	ug/l	100
67) Ethyl Benzene	11.51	91	337311	19.814	ug/l	99
68) m/p-Xylenes	11.62	106	251434	39.682	ug/l	99
69) o-Xylene	11.95	106	123374	19.753	ug/l	98
70) Styrene	11.96	104	198757	19.710	ug/l	99
71) Bromoform	12.13	173	42558	14.831	ug/l #	100
73) Isopropylbenzene	12.25	105	326620	21.183	ug/l	100
74) N-amyl acetate	12.07	43	115908	19.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	104792	21.807	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	115347	28.723	ug/l #	100
77) Bromobenzene	12.53	156	83915	20.666	ug/l	99
78) n-propylbenzene	12.59	91	343203	20.342	ug/l	100
79) 2-Chlorotoluene	12.67	91	214500	20.999	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	264714	20.187	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19309	14.938	ug/l #	82
82) 4-Chlorotoluene	12.77	91	198280	20.020	ug/l	100
83) tert-Butylbenzene	12.99	119	234085	21.134	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	256104	20.973	ug/l	99
85) sec-Butylbenzene	13.17	105	299439	20.235	ug/l	100
86) p-Isopropyltoluene	13.29	119	257058	20.294	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	127200	19.882	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	120620	19.621	ug/l	99
89) n-Butylbenzene	13.61	91	179639	18.969	ug/l	99
90) Hexachloroethane	13.87	117	37912	15.925	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	127350	20.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13886	17.097	ug/l	98

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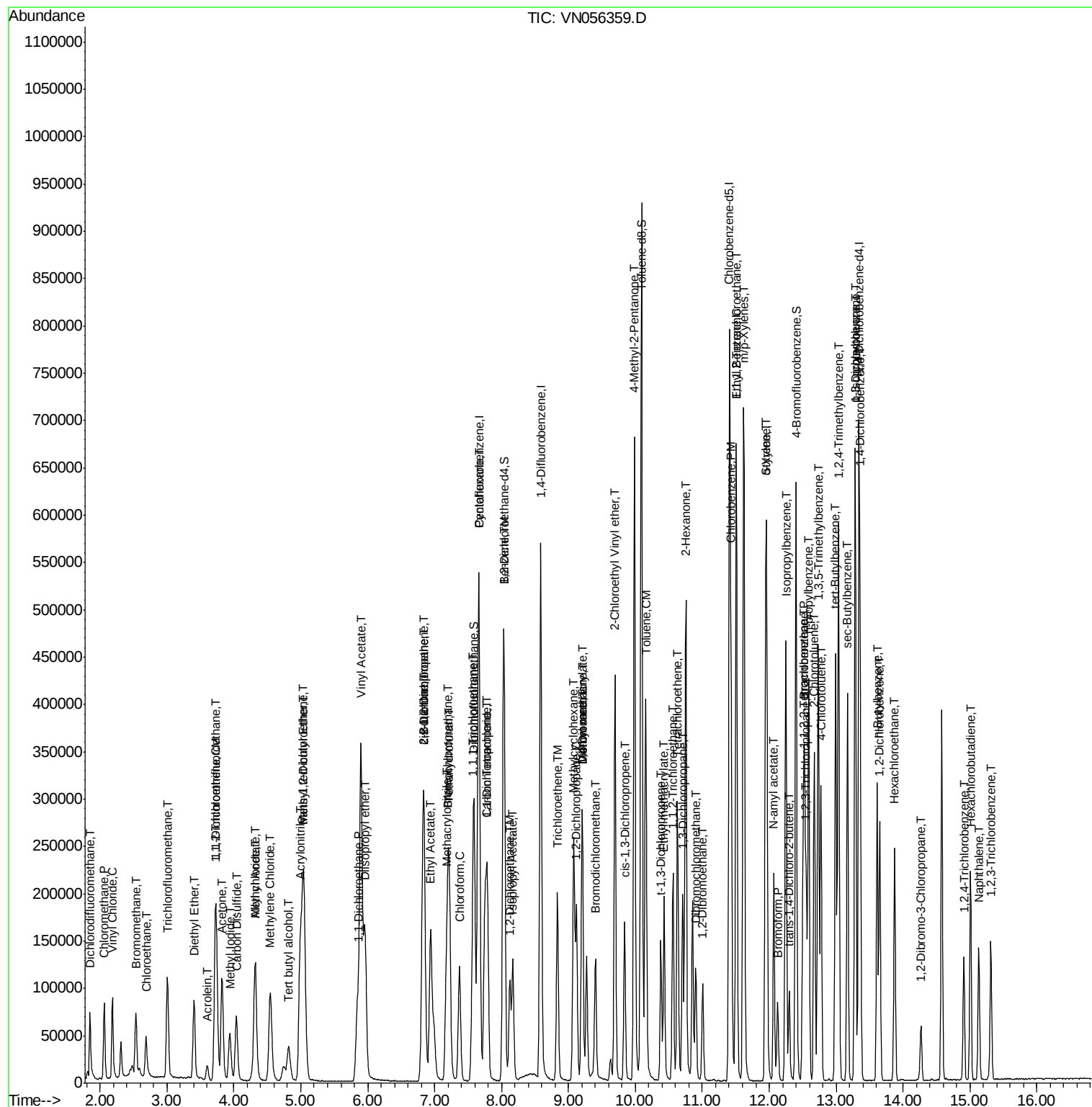
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46345	18.021	ug/l	97
94) Hexachlorobutadiene	15.01	225	45755	19.858	ug/l	97
95) Naphthalene	15.13	128	126785	18.030	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	53755	18.367	ug/l	100

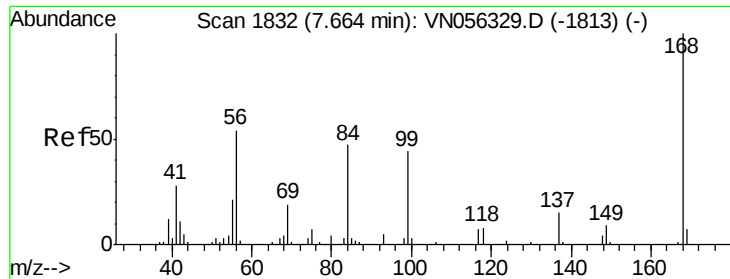
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

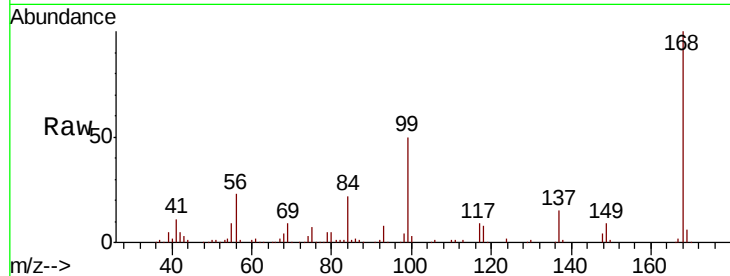
ClientSampleId :

Tot Ion:168 Resp: 354929

Ion Ratio Lower Upper

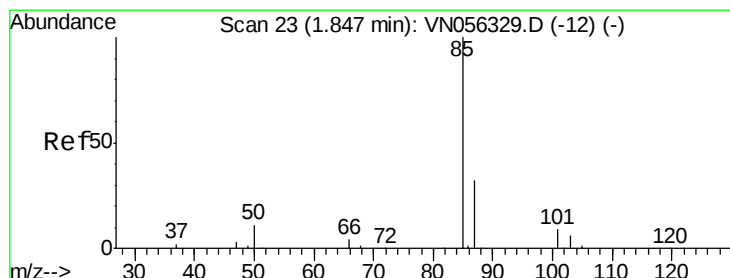
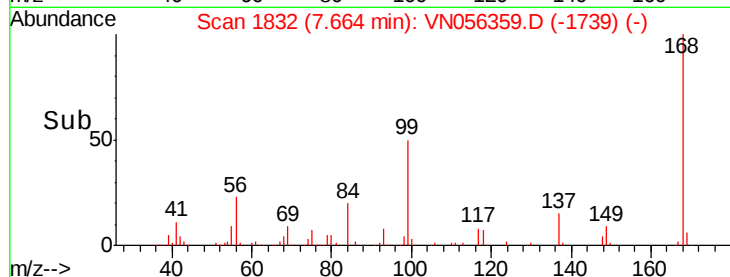
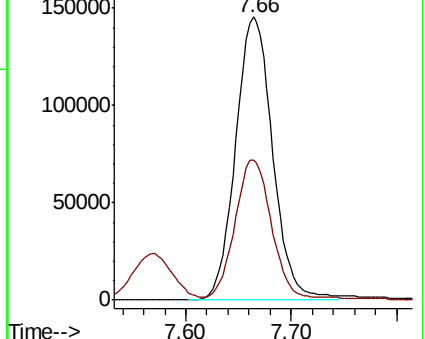
168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.587 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056359.D

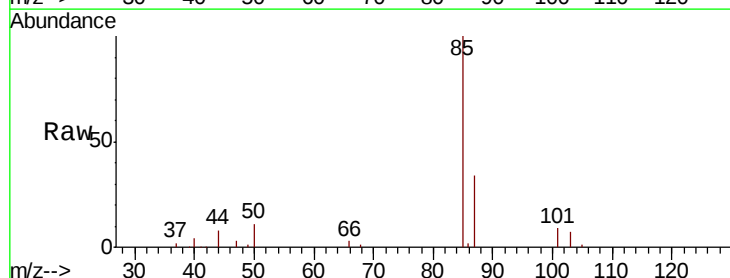
Acq: 18 Jun 2019 12:33

Tgt Ion: 85 Resp: 64242

Ion Ratio Lower Upper

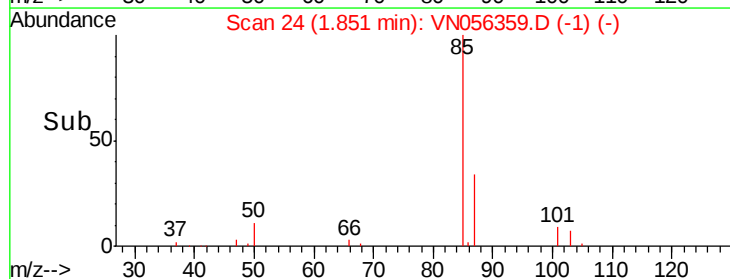
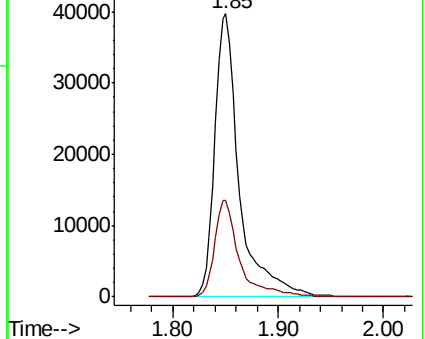
85 100

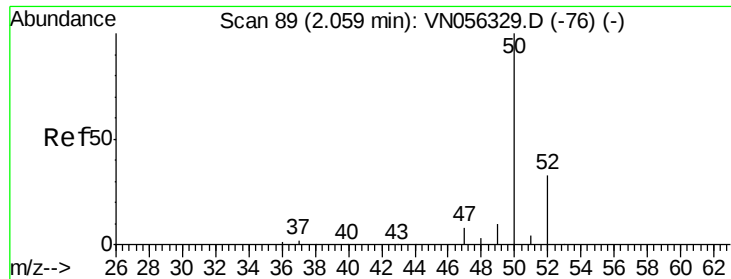
87 34.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

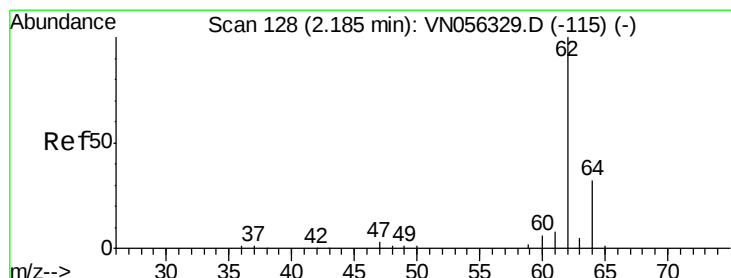
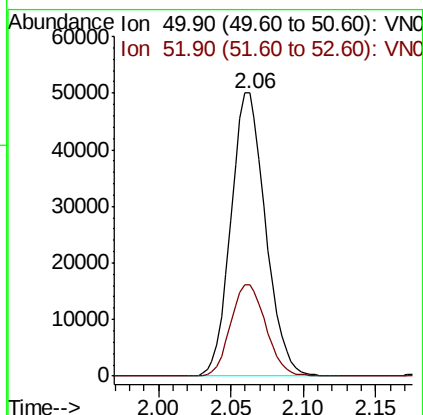
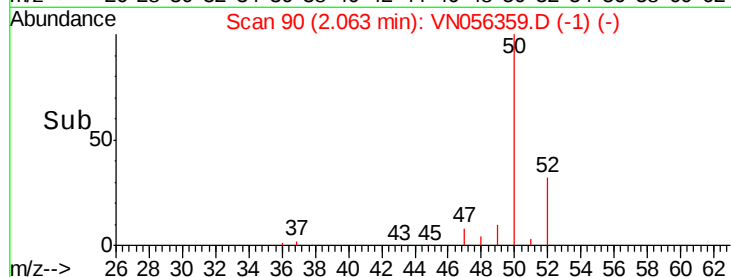
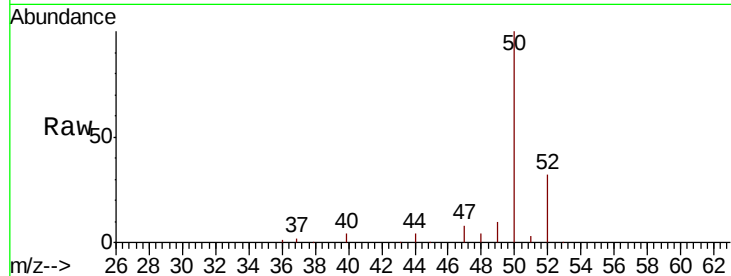




#3
Chloromethane
Concen: 19.827 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

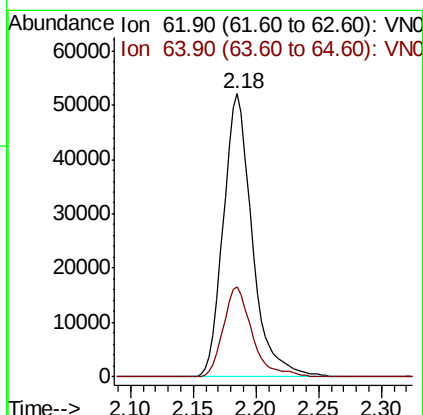
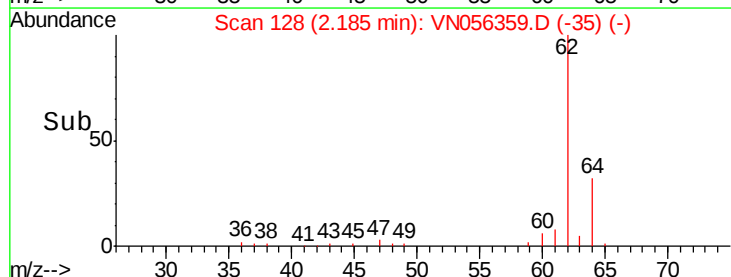
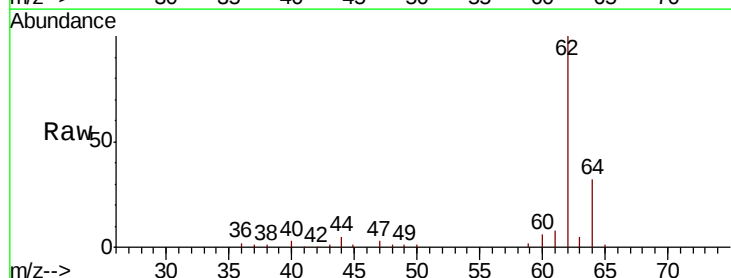
Instrument :
MSVOA_N
ClientSampled :

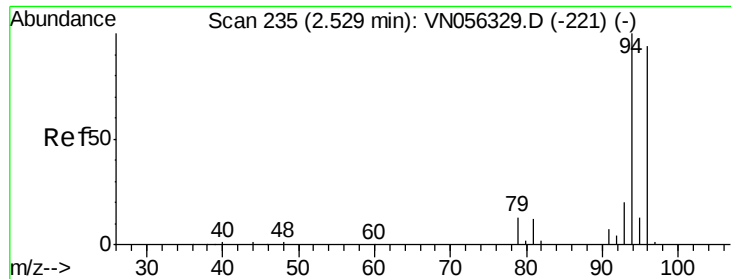
Tot Ion: 50 Resp: 82959
Ion Ratio Lower Upper
50 100
52 32.5 26.3 39.5



#4
Vinyl Chloride
Concen: 20.231 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 62 Resp: 83193
Ion Ratio Lower Upper
62 100
64 31.8 25.7 38.5

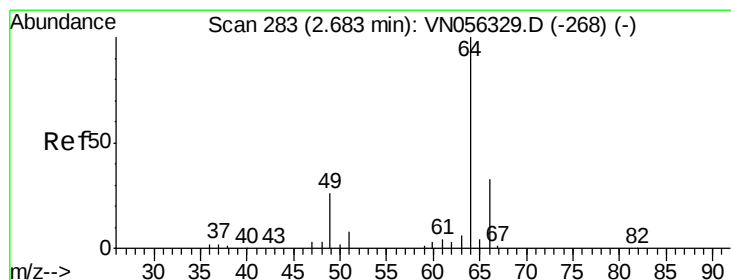
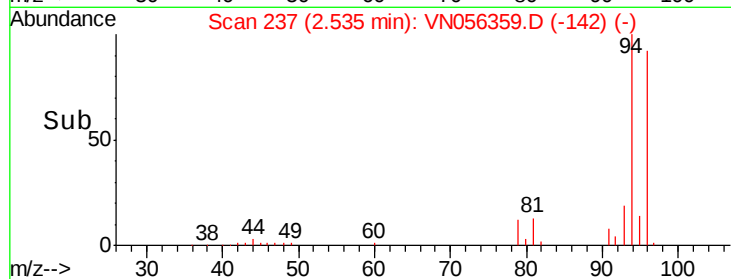
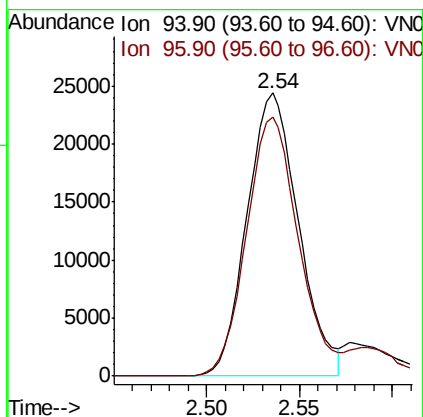
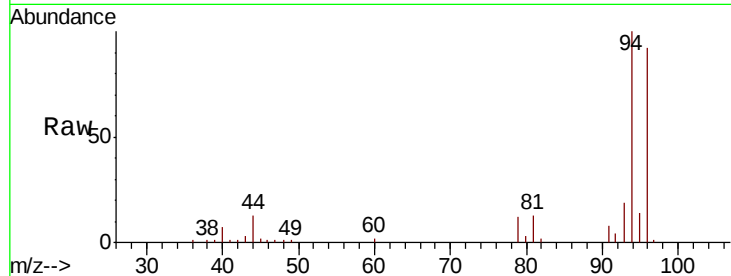




#5
Bromomethane
Concen: 19.784 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.01 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

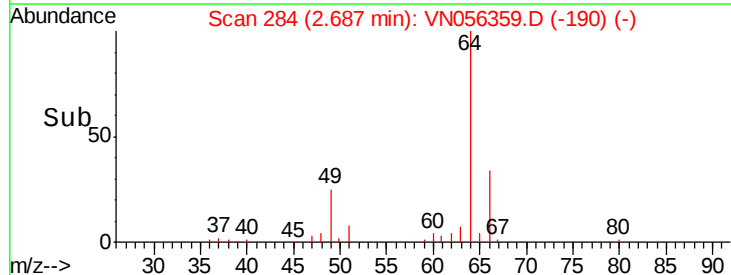
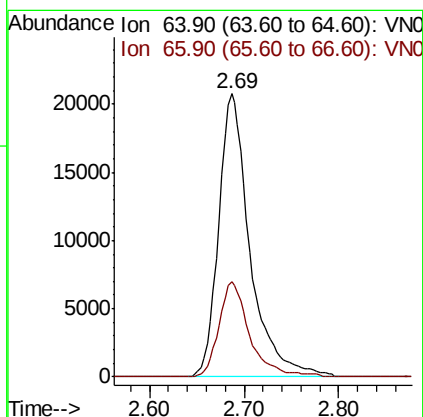
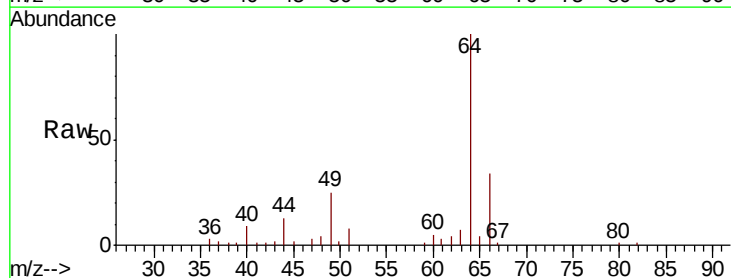
Instrument :
MSVOA_N
ClientSampled :

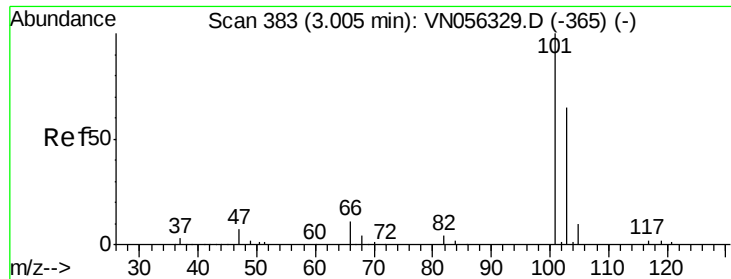
Tot Ion: 94 Resp: 47322
Ion Ratio Lower Upper
94 100
96 91.7 74.9 112.3



#6
Chloroethane
Concen: 20.042 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 64 Resp: 47733
Ion Ratio Lower Upper
64 100
66 33.7 26.3 39.5



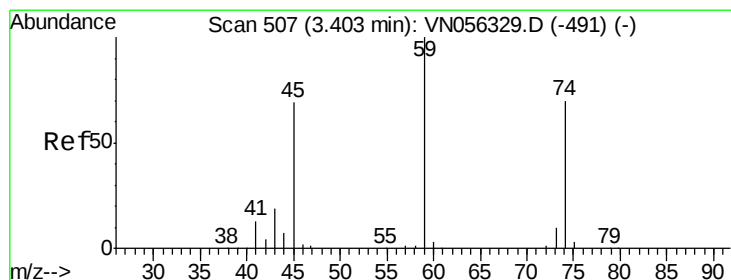
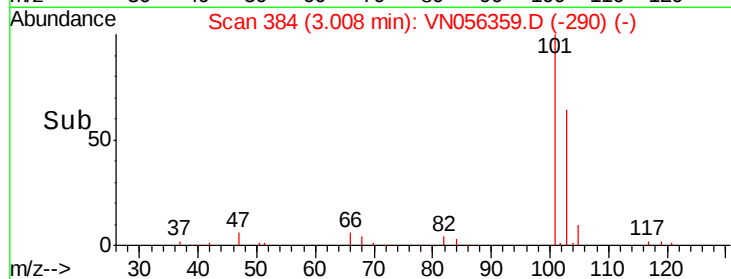
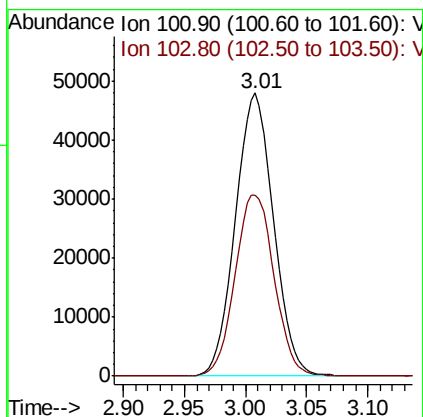
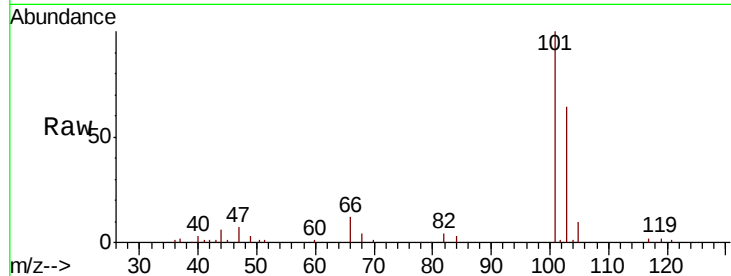


#7

Trichlorofluoromethane
 Concen: 19.756 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampled :

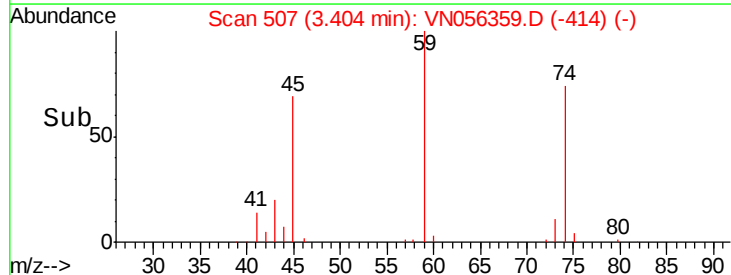
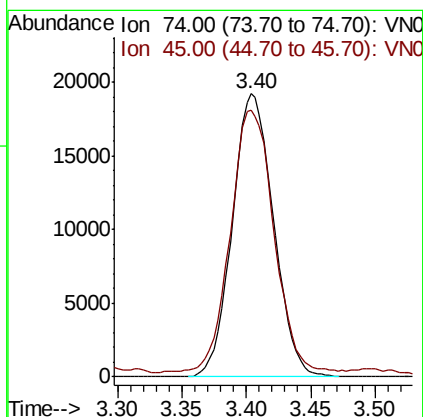
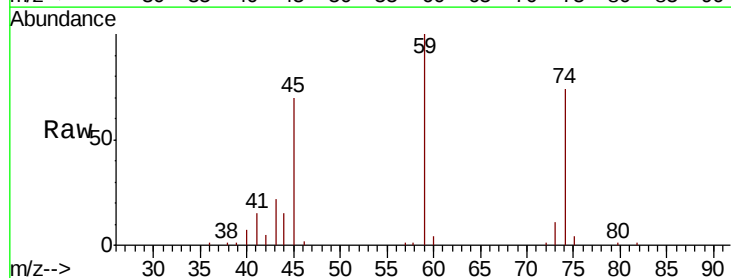
Tot Ion:101 Resp: 103751
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.1 78.1

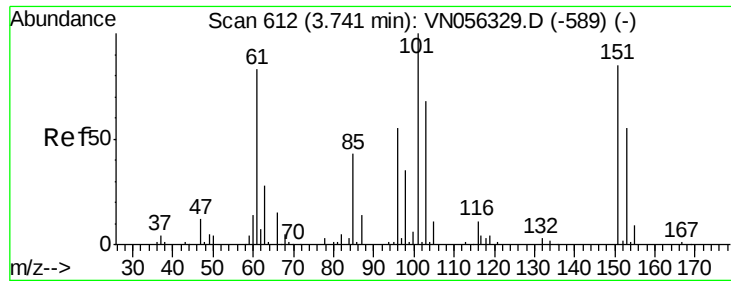


#8

Diethyl Ether
 Concen: 20.530 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 74 Resp: 42763
 Ion Ratio Lower Upper
 74 100
 45 96.7 49.0 147.0

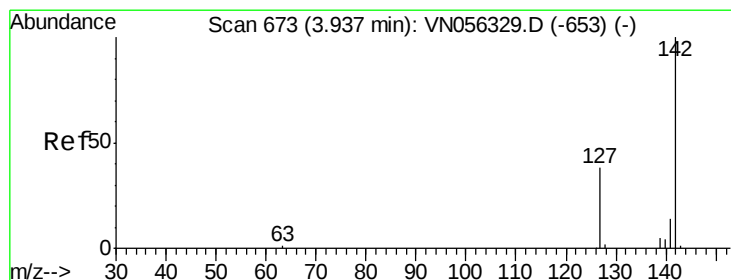
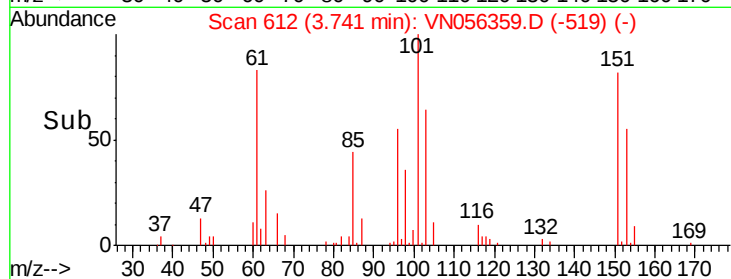
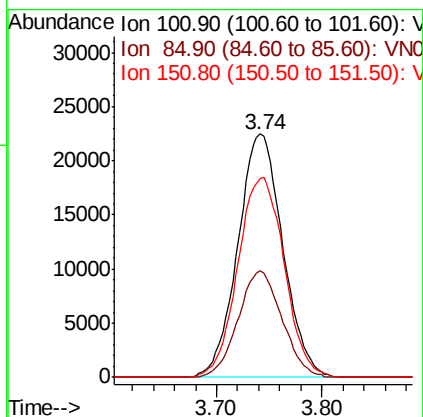
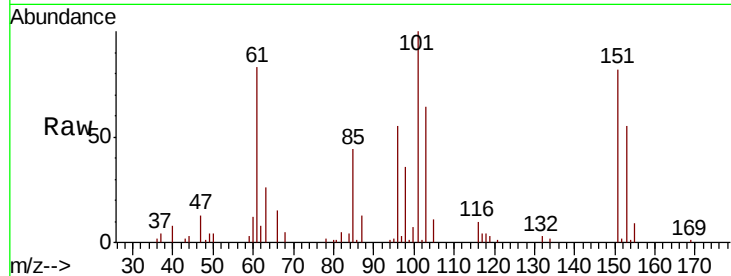




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.587 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

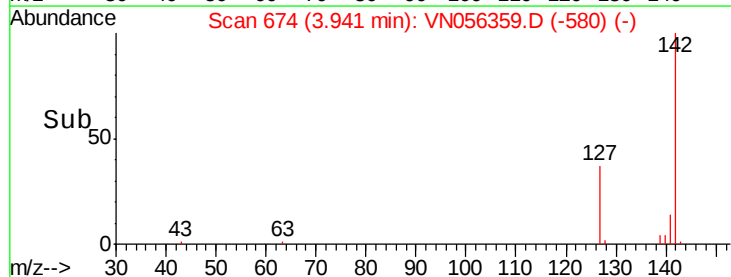
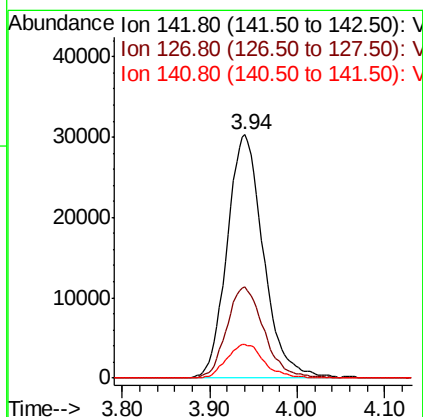
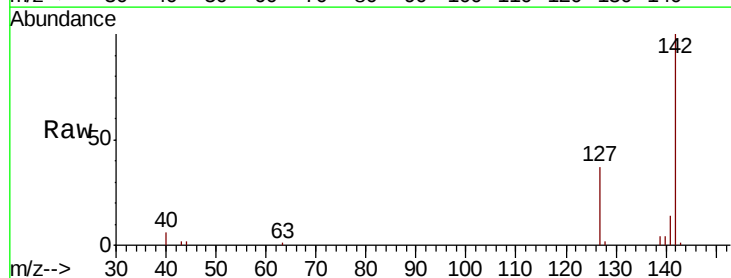
Instrument :
 MSVOA_N
 ClientSampled :

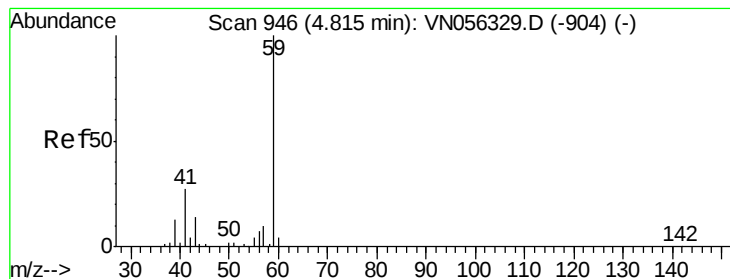
Tot Ion:101 Resp: 66528
 Ion Ratio Lower Upper
 101 100
 85 42.7 33.8 50.8
 151 84.7 67.4 101.0



#10
 Methyl Iodide
 Concen: 20.069 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion:142 Resp: 87236
 Ion Ratio Lower Upper
 142 100
 127 38.4 30.8 46.2
 141 14.2 11.4 17.2



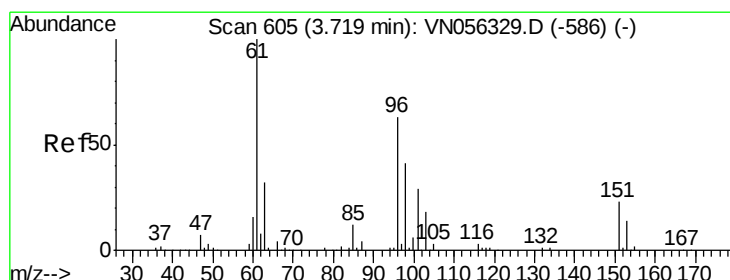
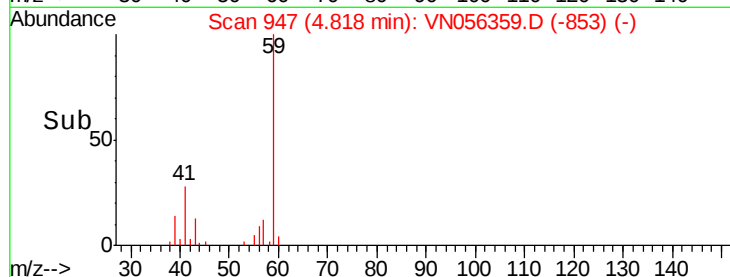
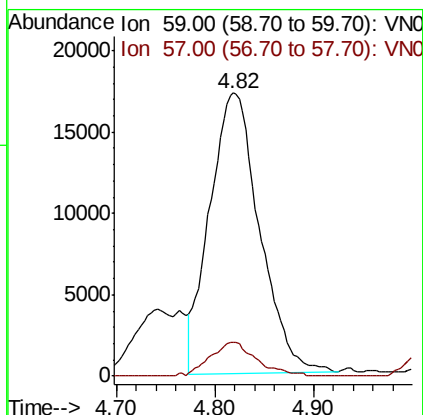
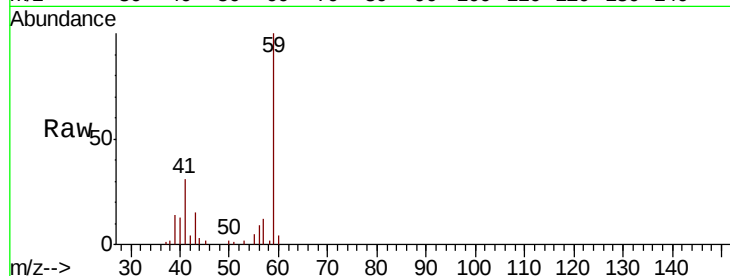


#11

Tert butyl alcohol
 Concen: 96.847 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :

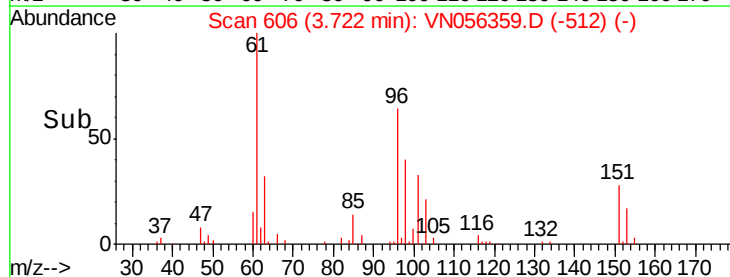
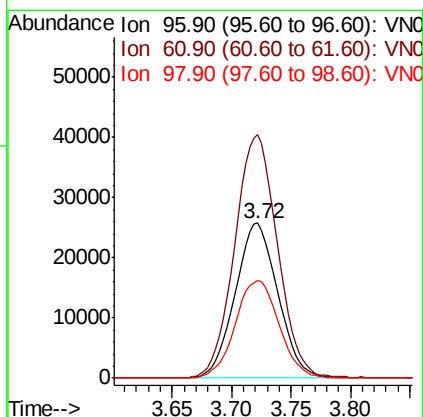
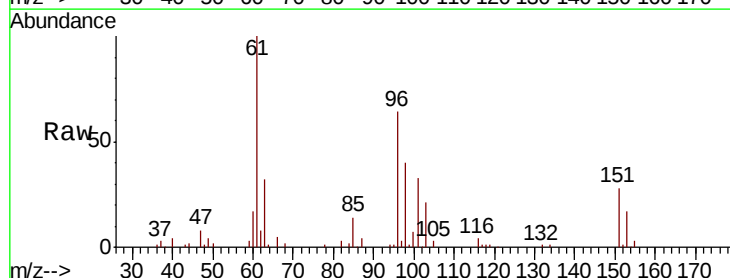
Tot Ion: 59 Resp: 60818
 Ion Ratio Lower Upper
 59 100
 57 11.2 7.8 11.8

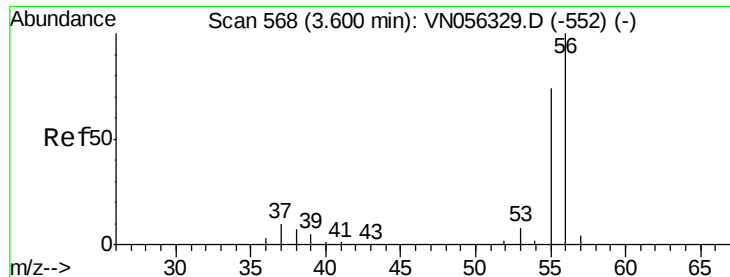


#12

1,1-Dichloroethene
 Concen: 19.433 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 96 Resp: 64009
 Ion Ratio Lower Upper
 96 100
 61 157.1 127.4 191.2
 98 63.1 51.7 77.5





#13

Acrolein

Concen: 100.272 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

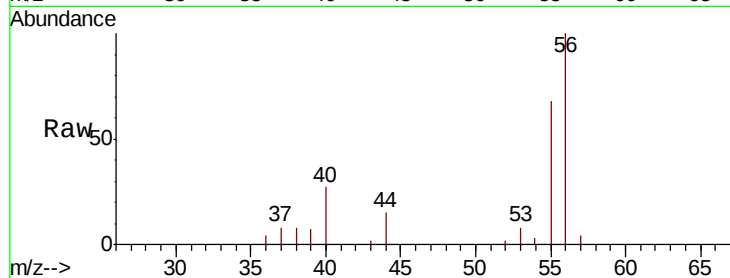
ClientSampleId :

Tot Ion: 56 Resp: 17675

Ion Ratio Lower Upper

56 100

55 71.2 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

8000

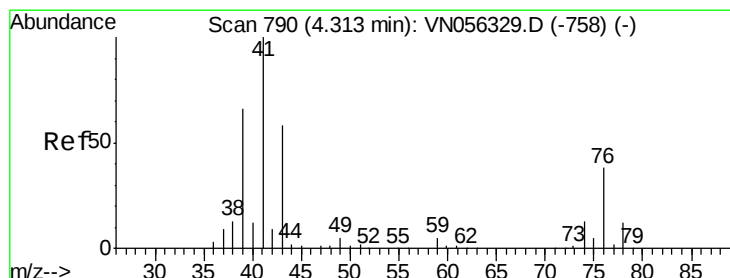
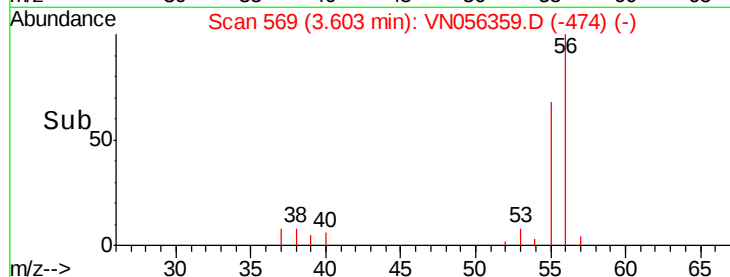
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 18.904 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

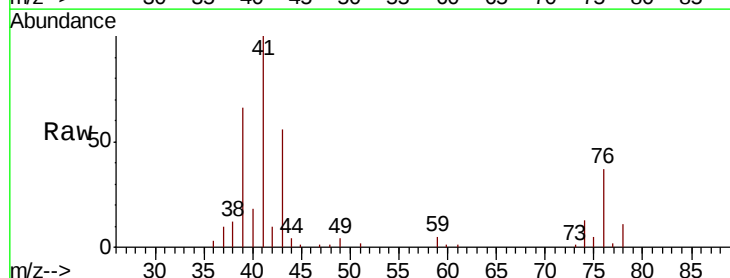
Tgt Ion: 41 Resp: 104422

Ion Ratio Lower Upper

41 100

39 63.1 48.9 73.3

76 32.4 27.2 40.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

40000

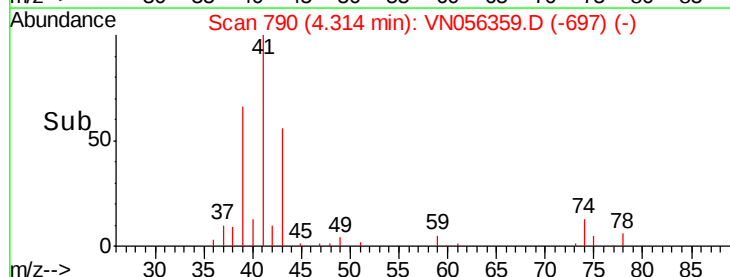
30000

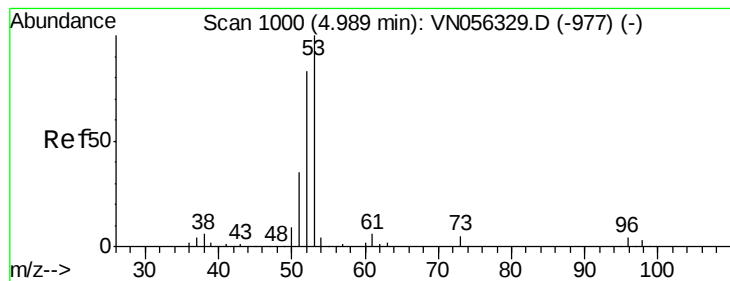
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 103.488 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

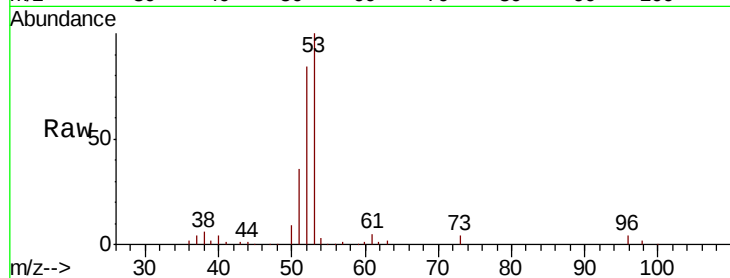
Tot Ion: 53 Resp: 185738

Ion Ratio Lower Upper

53 100

52 84.0 65.4 98.2

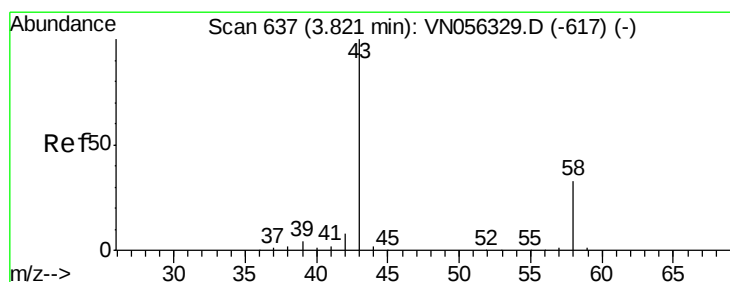
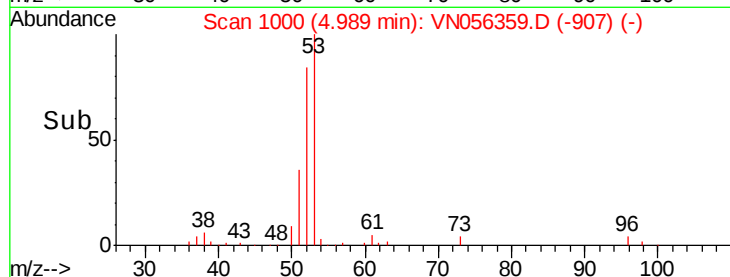
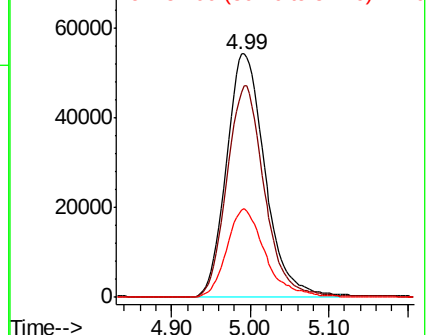
51 36.2 28.5 42.7



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



#16

Acetone

Concen: 83.056 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN056359.D

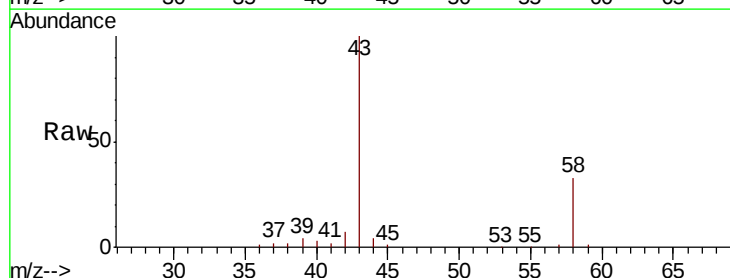
Acq: 18 Jun 2019 12:33

Tgt Ion: 43 Resp: 183155

Ion Ratio Lower Upper

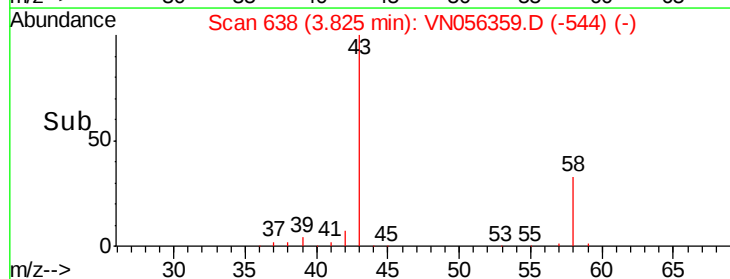
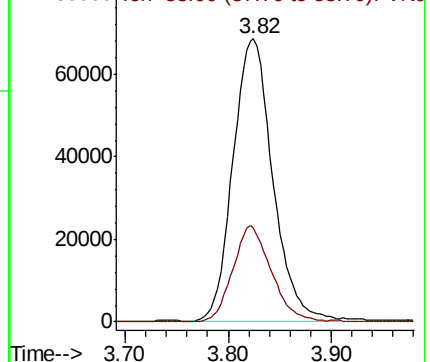
43 100

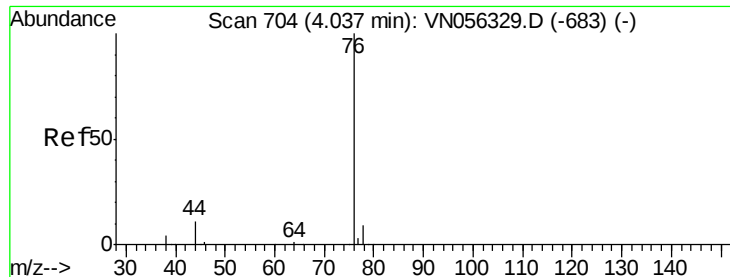
58 33.2 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

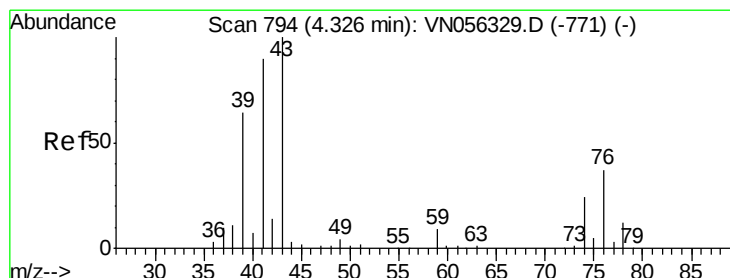
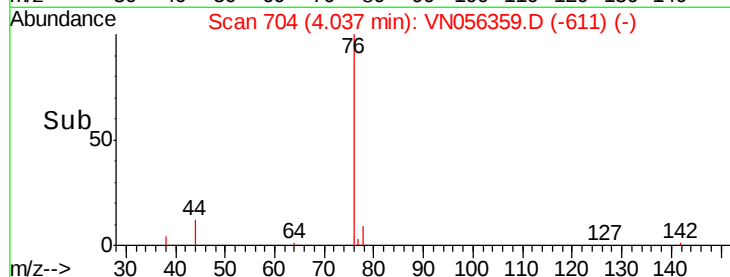
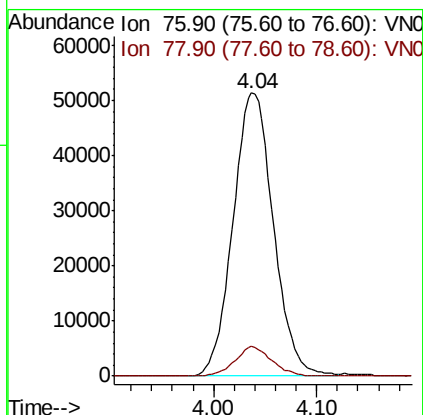
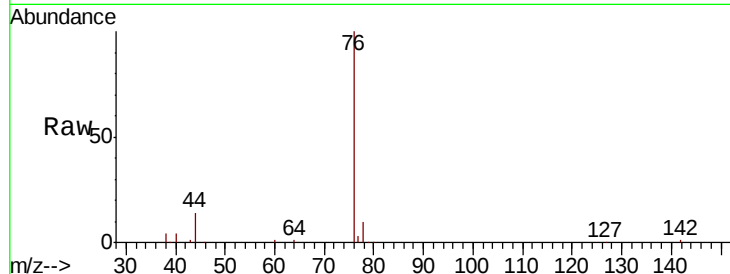




#17
Carbon Disulfide
Concen: 15.870 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

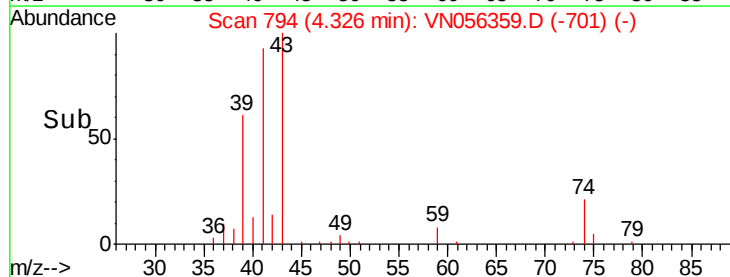
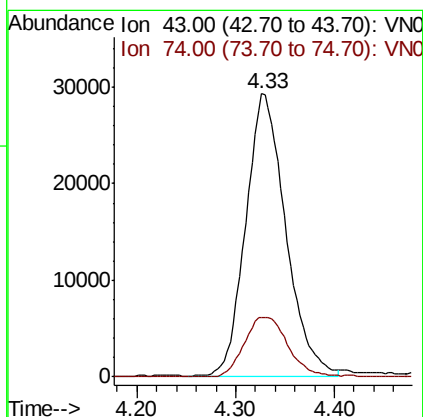
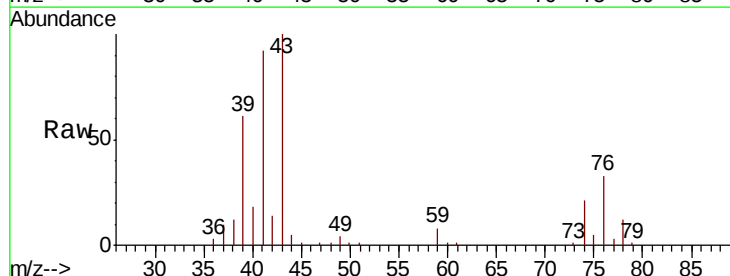
Instrument :
MSVOA_N
ClientSampled :

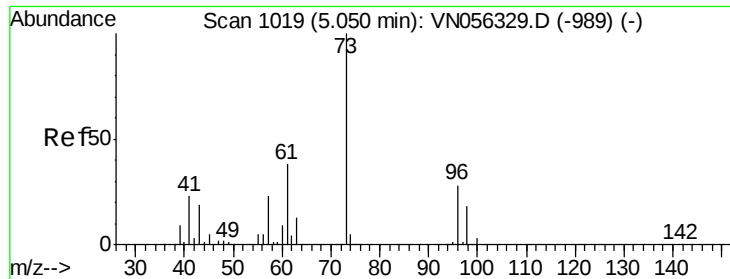
Tot Ion: 76 Resp: 139874
Ion Ratio Lower Upper
76 100
78 10.4 7.3 10.9



#18
Methyl Acetate
Concen: 20.432 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 43 Resp: 82592
Ion Ratio Lower Upper
43 100
74 22.9 19.4 29.2



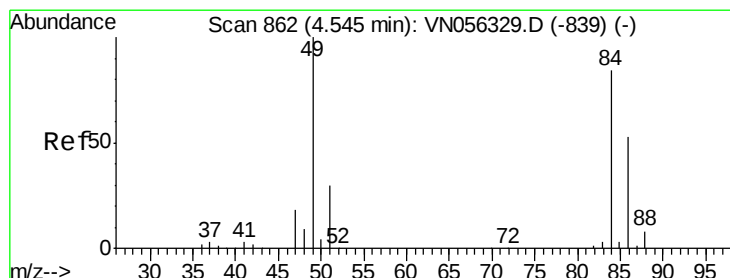
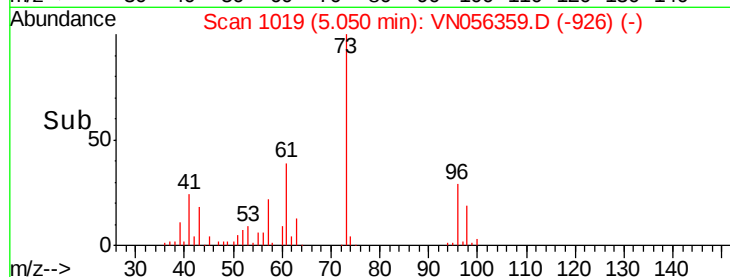
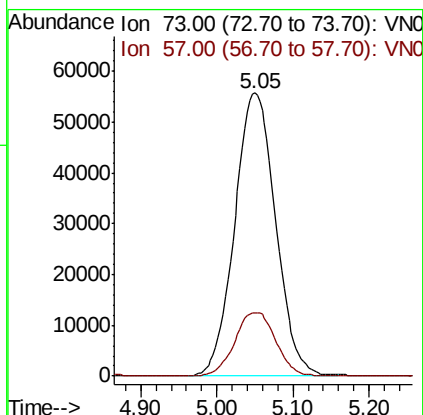
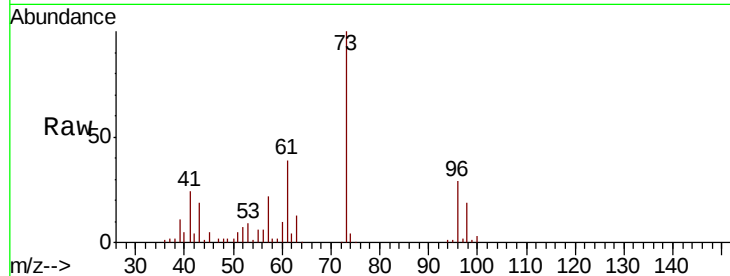


#19

Methyl tert-butyl Ether
 Concen: 20.782 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampled :

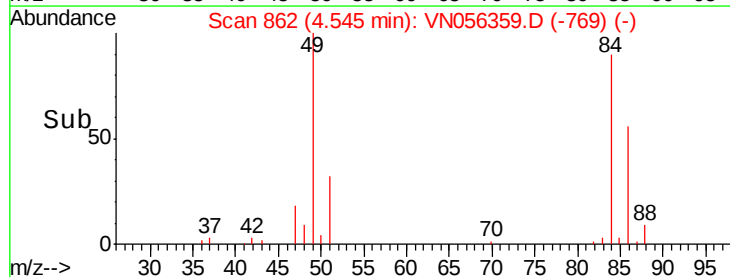
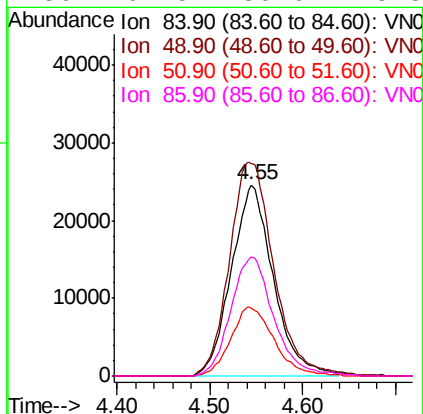
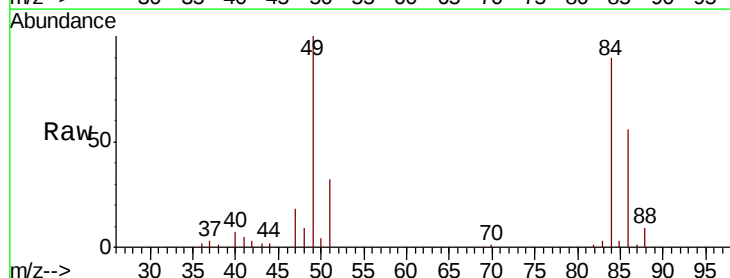
Tot Ion: 73 Resp: 208766
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.1 27.1

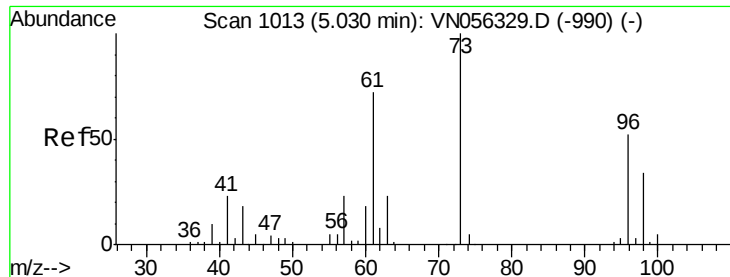


#20

Methylene Chloride
 Concen: 19.862 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 84 Resp: 77343
 Ion Ratio Lower Upper
 84 100
 49 111.1 95.0 142.6
 51 35.6 28.2 42.4
 86 62.5 50.6 75.8

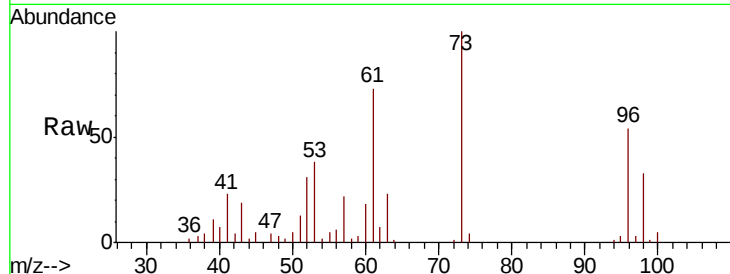




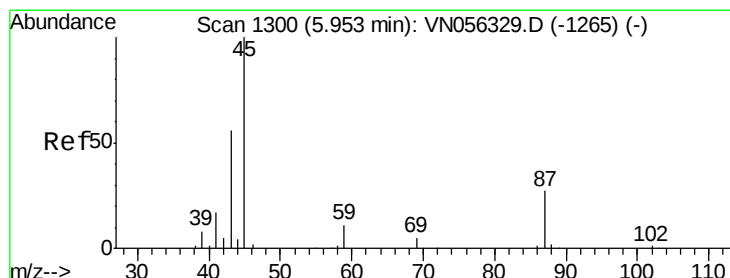
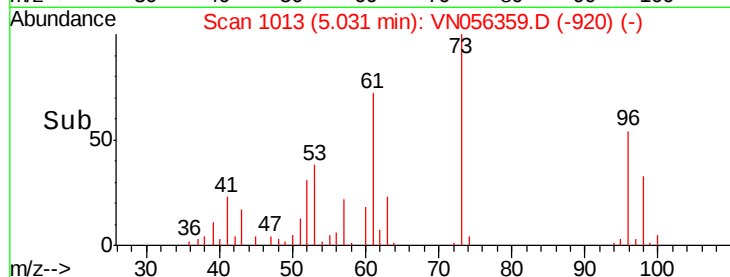
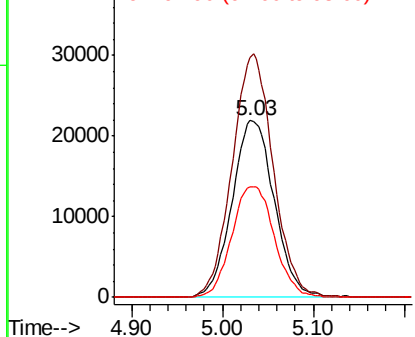
#21
trans-1,2-Dichloroethene
Concen: 20.160 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 70631
Ion Ratio Lower Upper
96 100
61 136.0 109.8 164.6
98 62.3 52.0 78.0

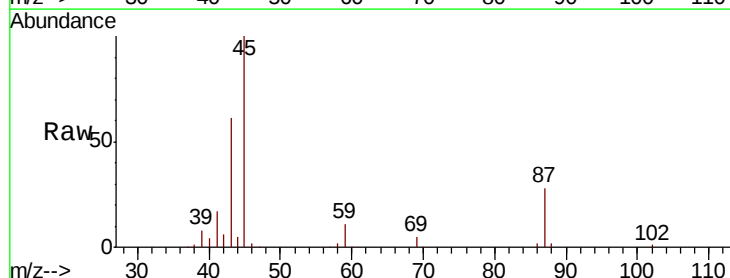


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

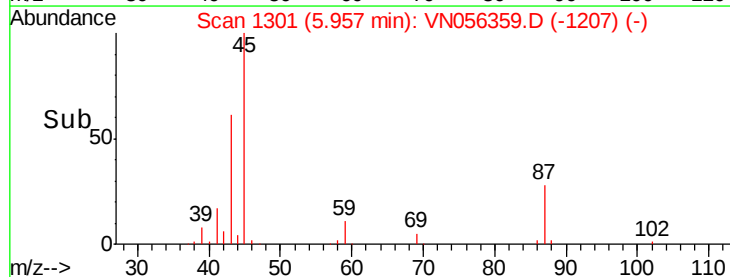
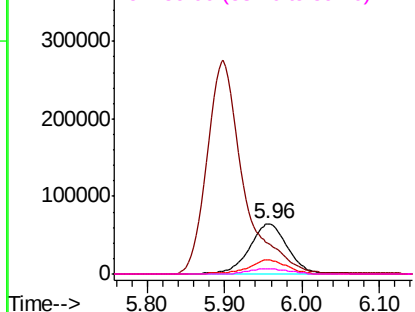


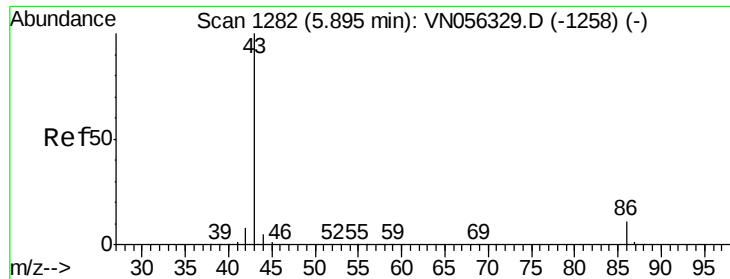
#22
Diisopropyl ether
Concen: 20.484 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 45 Resp: 222428
Ion Ratio Lower Upper
45 100
43 58.7 47.0 70.6
87 27.0 22.4 33.6
59 11.0 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

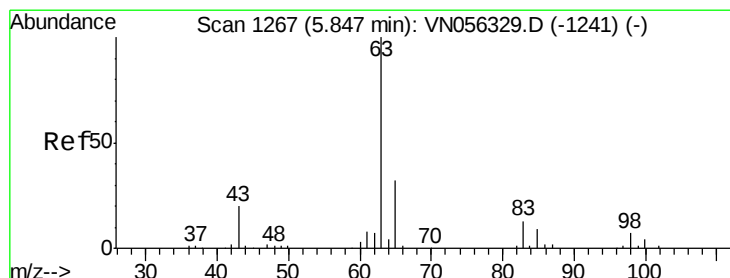
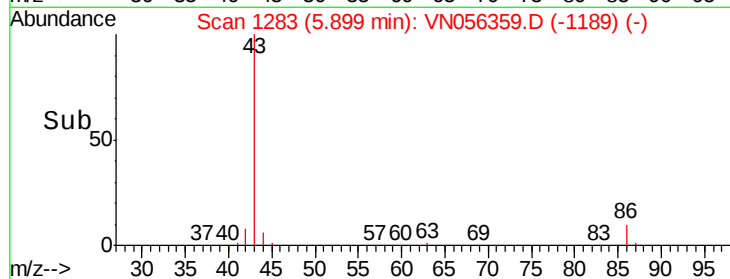
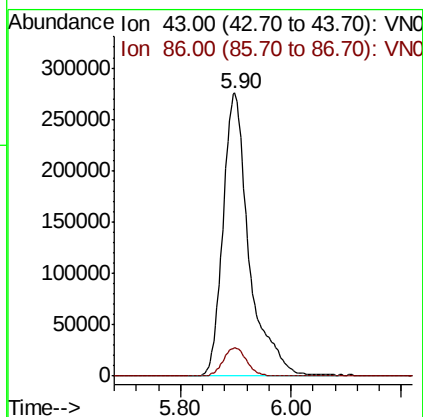
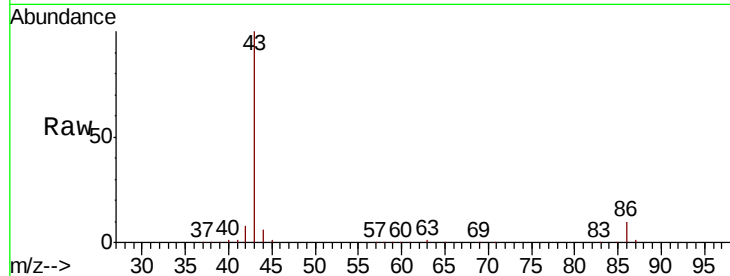




#23
 Vinyl Acetate
 Concen: 102.614 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

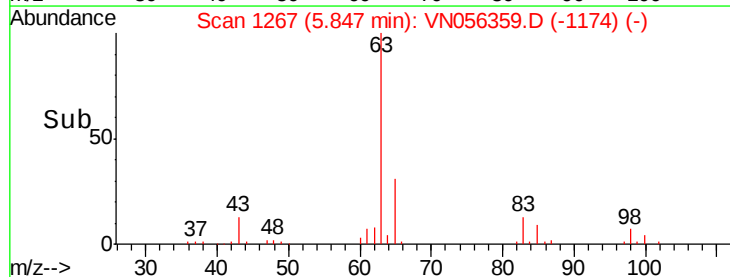
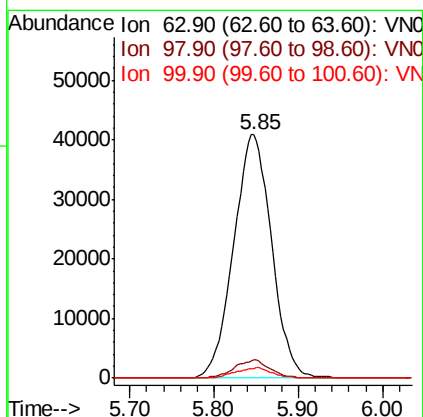
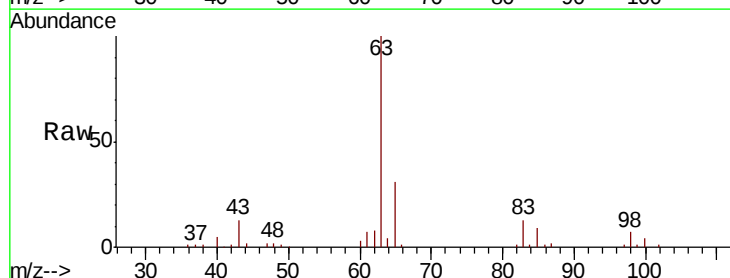
Instrument :
 MSVOA_N
 ClientSampled :

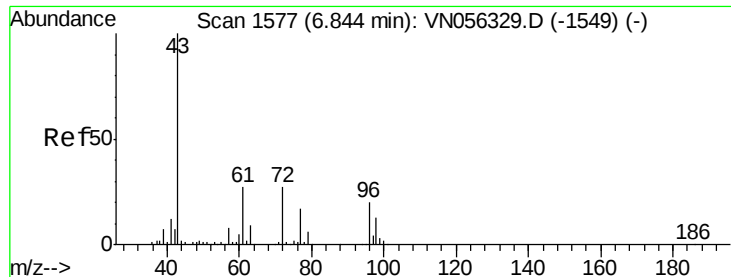
Tot Ion: 43 Resp: 906549
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 20.059 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 63 Resp: 127703
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.8
 100 3.9 2.2 6.6

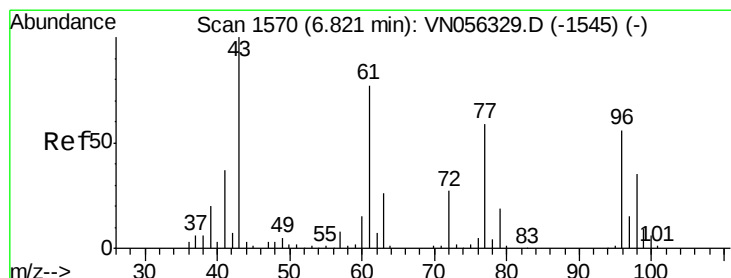
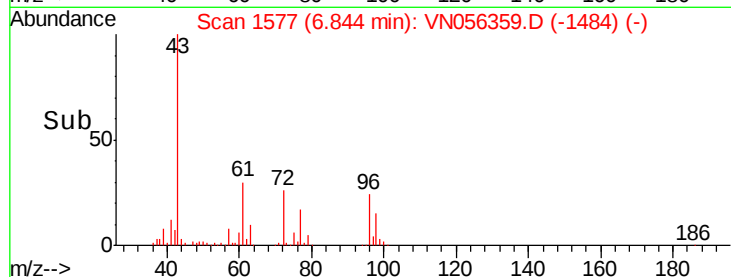
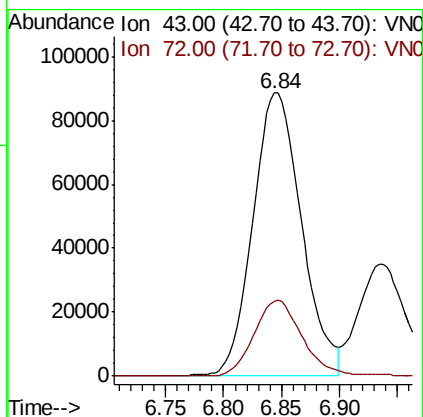
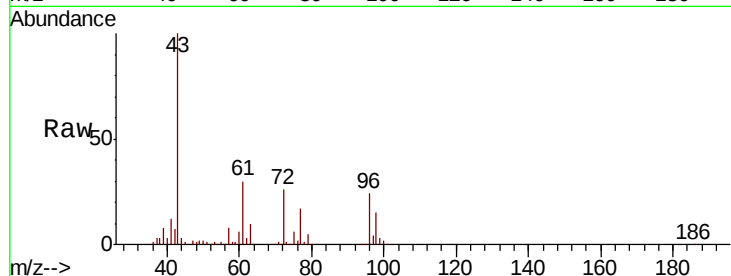




#25
2-Butanone
Concen: 95.955 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

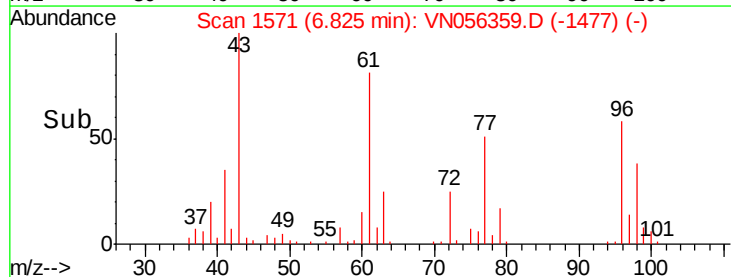
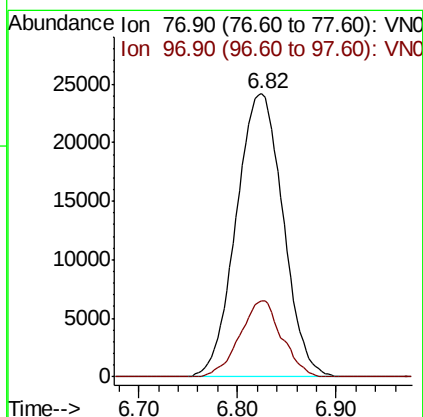
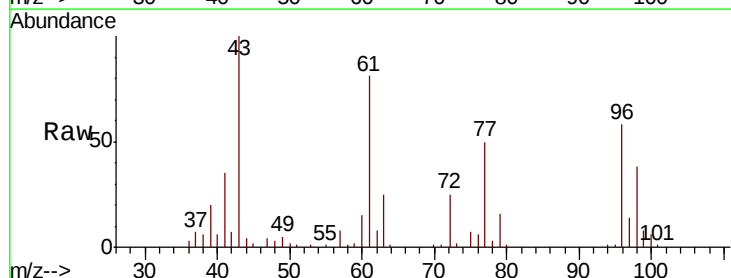
Instrument :
MSVOA_N
ClientSampleId :

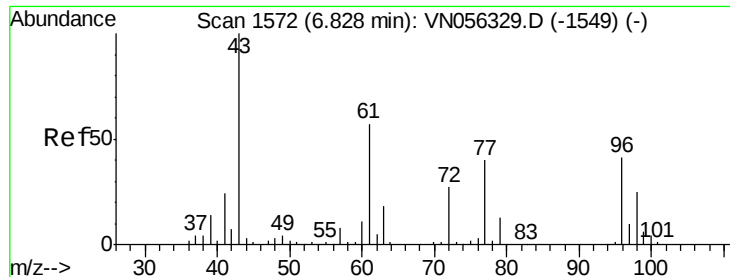
Tot Ion: 43 Resp: 256475
Ion Ratio Lower Upper
43 100
72 26.5 21.4 32.2



#26
2,2-Dichloropropane
Concen: 17.222 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 77 Resp: 79286
Ion Ratio Lower Upper
77 100
97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.250 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

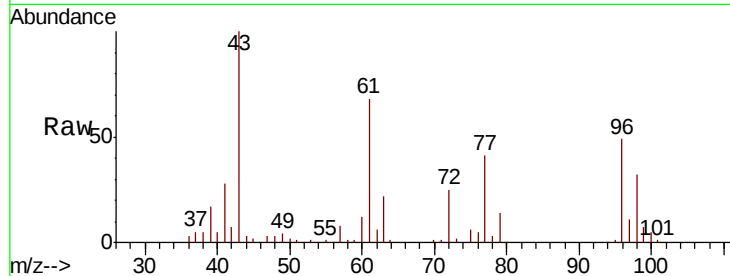
Tot Ion: 96 Resp: 82174

Ion Ratio Lower Upper

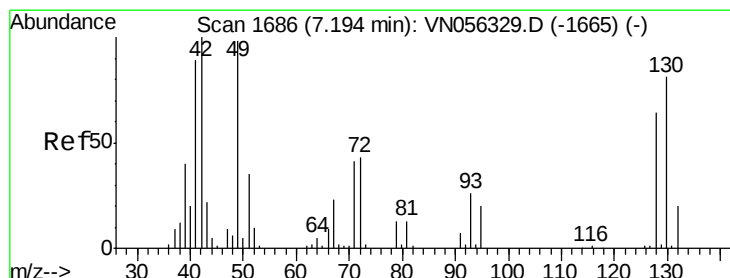
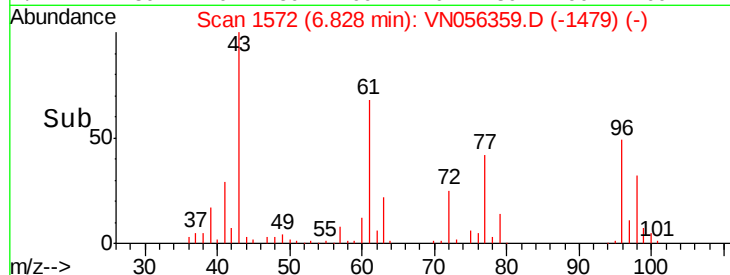
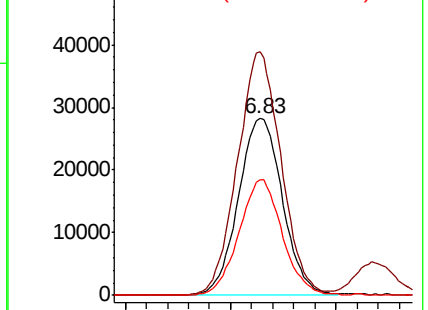
96 100

61 136.1 0.0 278.6

98 64.2 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.987 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

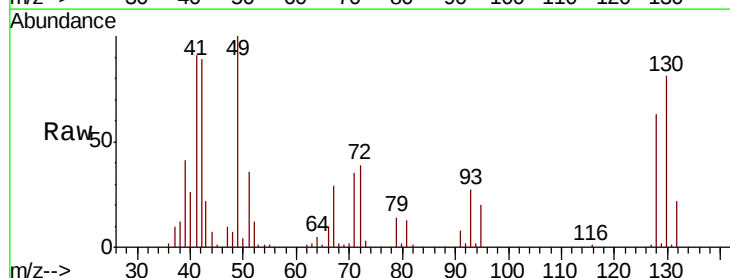
Tgt Ion: 49 Resp: 66909

Ion Ratio Lower Upper

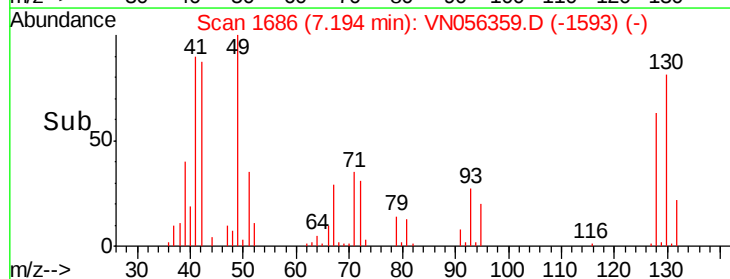
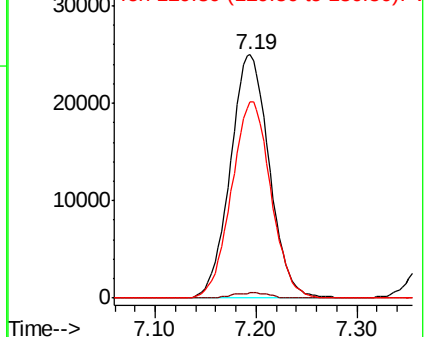
49 100

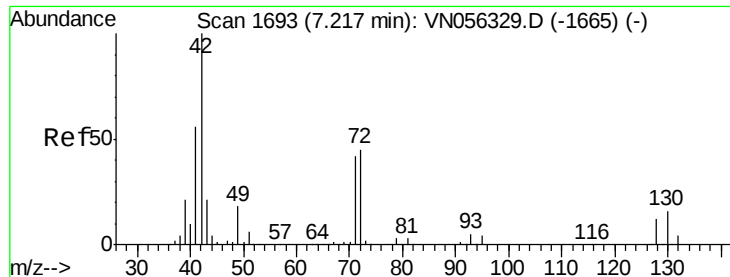
129 2.0 0.0 4.4

130 81.4 66.4 99.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

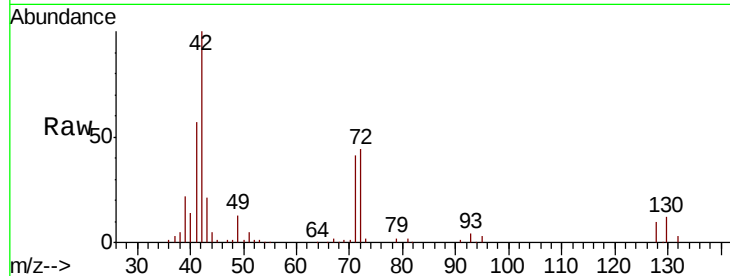




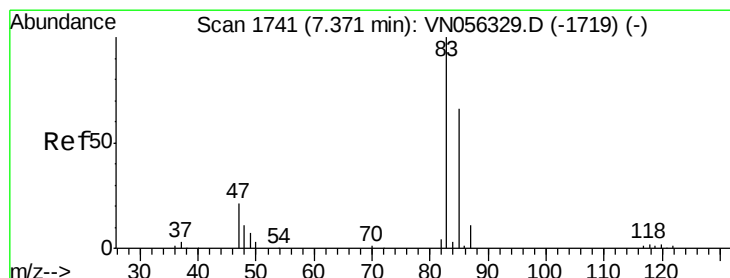
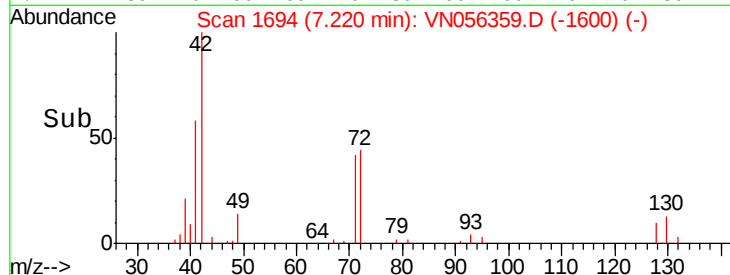
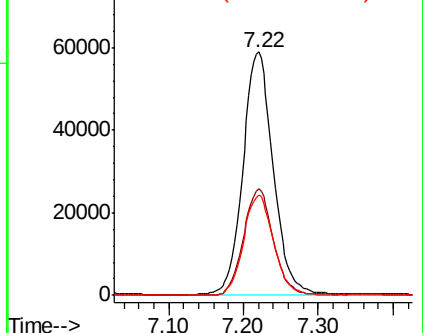
#29
Tetrahydrofuran
Concen: 105.442 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 167409
Ion Ratio Lower Upper
42 100
72 42.5 35.3 52.9
71 40.6 32.7 49.1

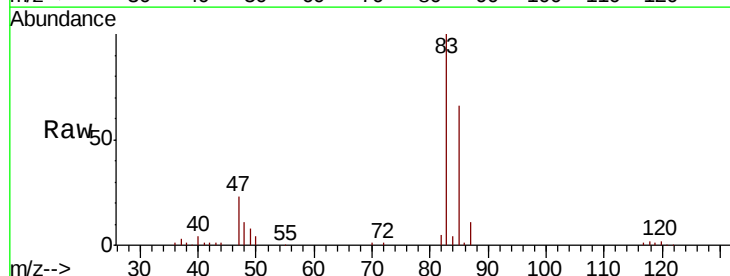


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

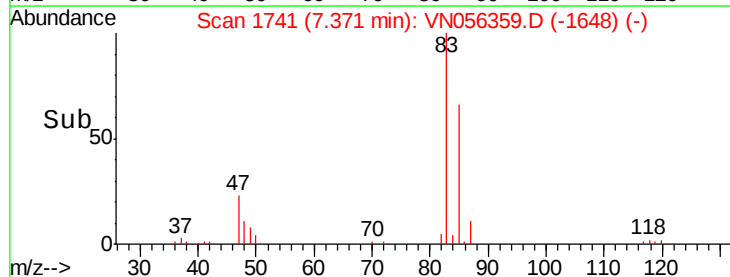
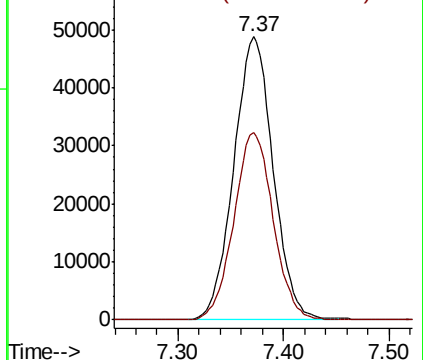


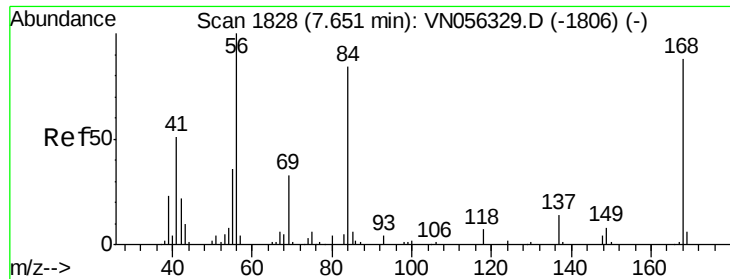
#30
Chloroform
Concen: 19.960 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 83 Resp: 126584
Ion Ratio Lower Upper
83 100
85 66.1 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

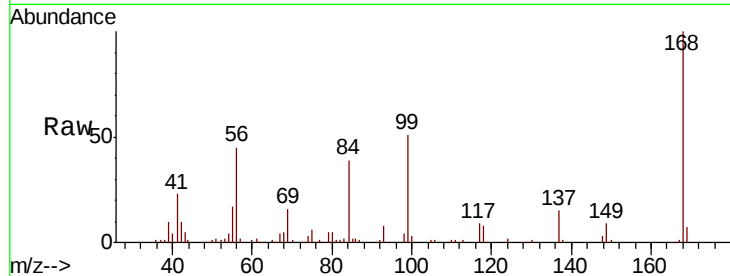




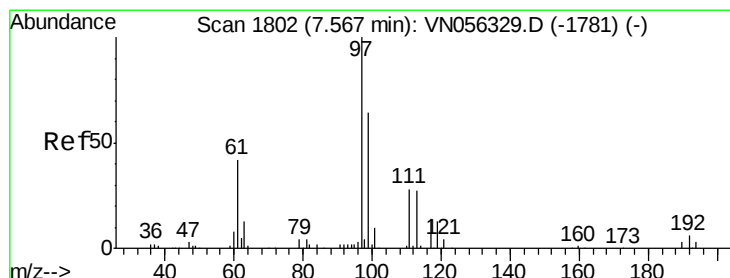
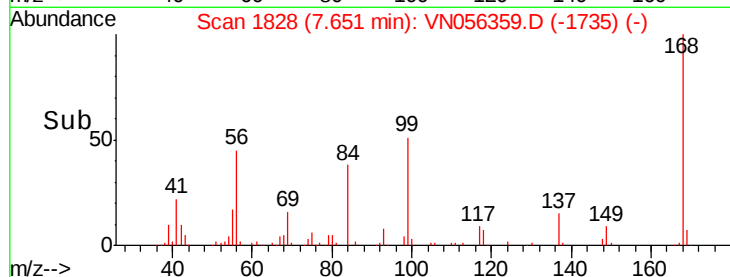
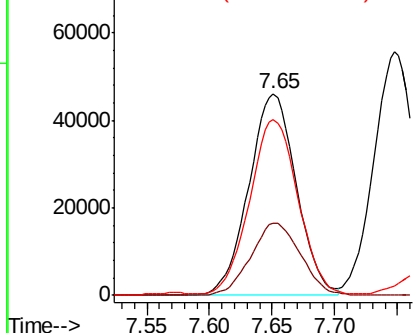
#31
Cyclohexane
Concen: 19.819 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 121906
Ion Ratio Lower Upper
56 100
69 36.0 26.0 39.0
84 86.1 67.4 101.0

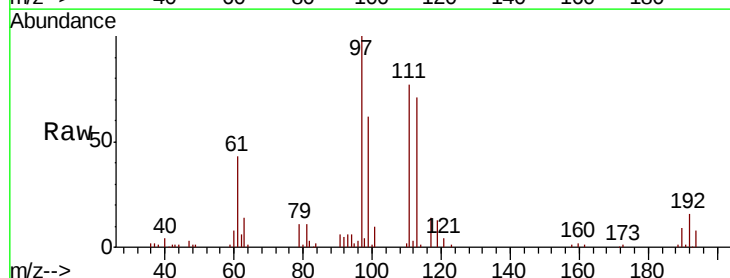


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

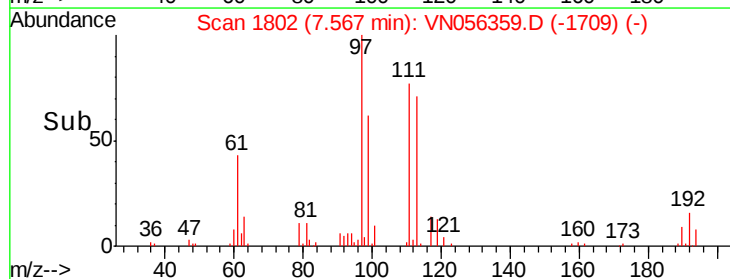
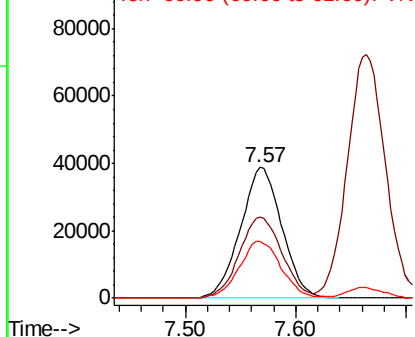


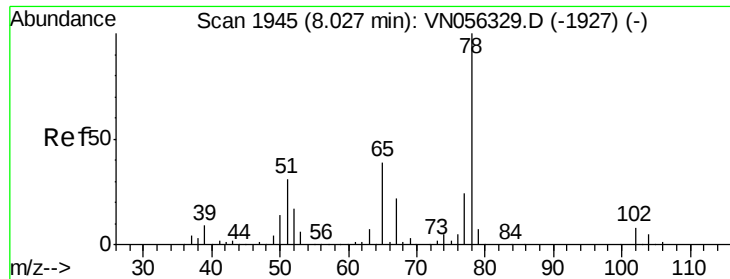
#32
1,1,1-Trichloroethane
Concen: 19.155 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 97 Resp: 100621
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 44.0 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 54.003 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

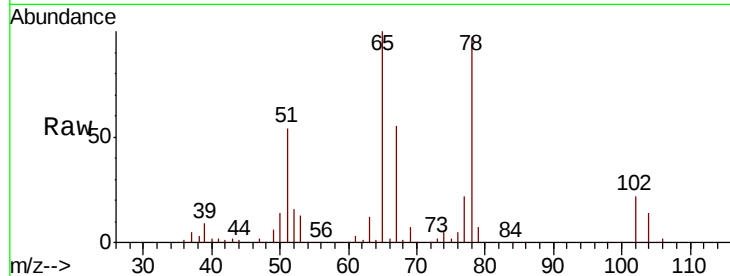
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 215518

Ion Ratio Lower Upper

65 100

67 54.2 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VN056329.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN056329.D (-1927) (-)

8.03

100000

80000

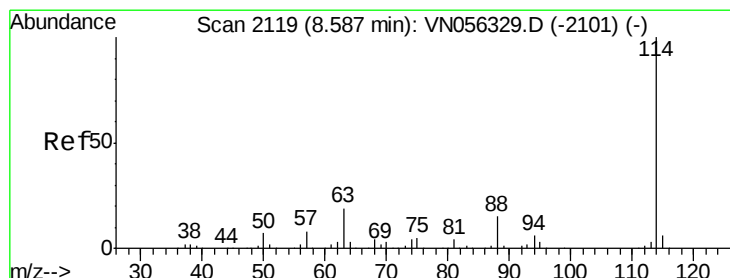
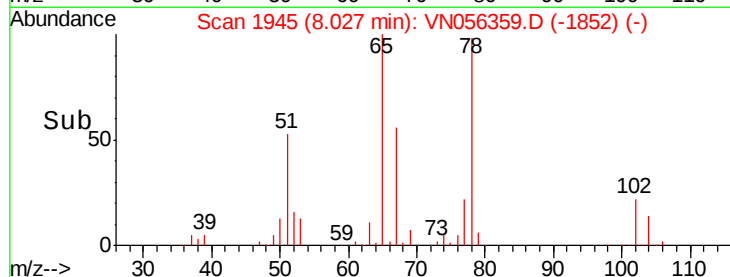
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

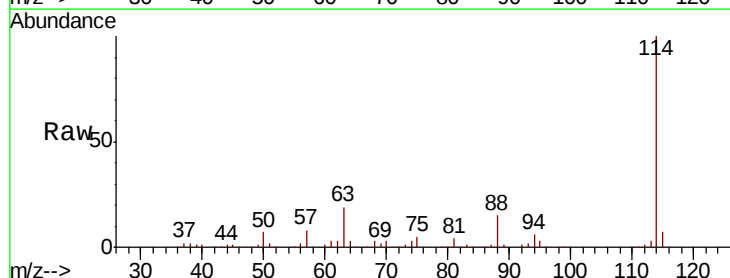
Tgt Ion: 114 Resp: 549073

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN056329.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN056329.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN056329.D (-2101) (-)

8.58

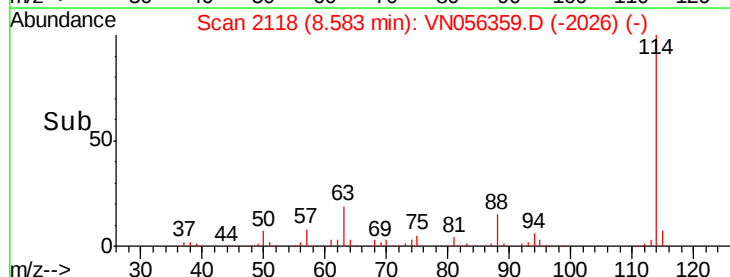
300000

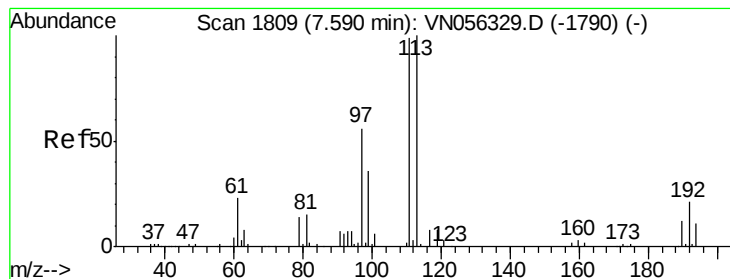
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.854 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

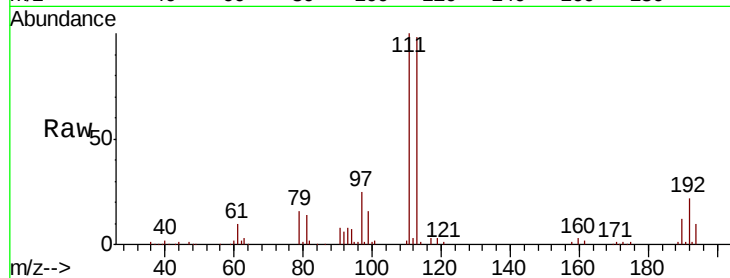
Tot Ion:113 Resp: 182584

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

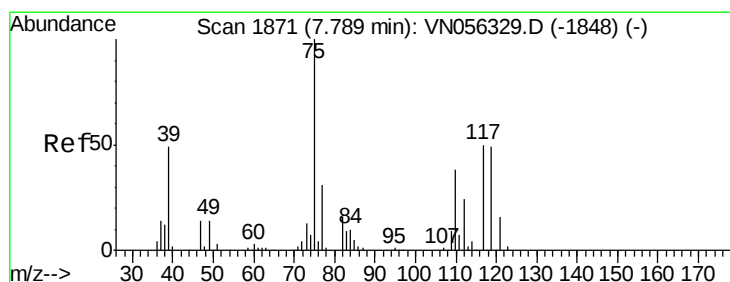
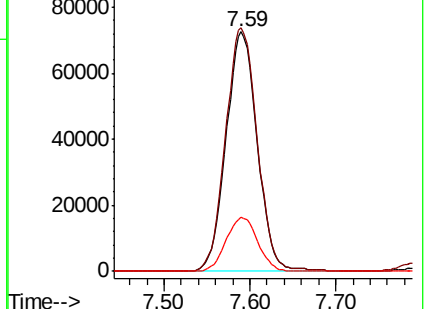
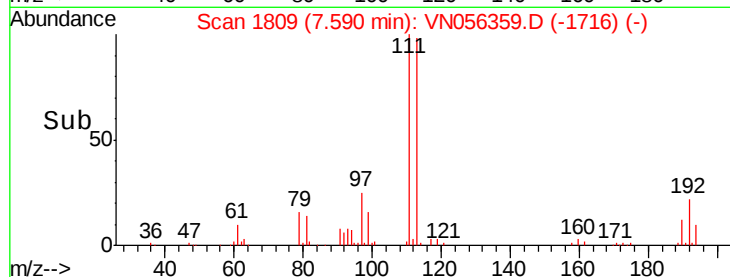
192 22.8 17.6 26.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.902 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

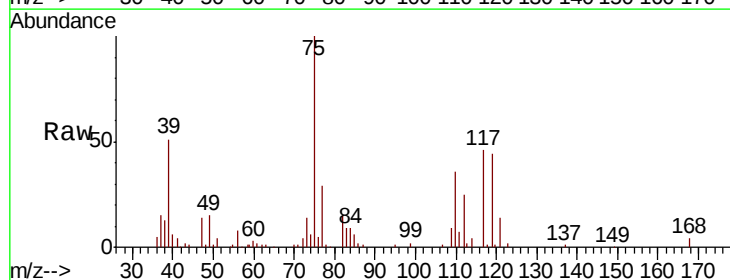
Tgt Ion: 75 Resp: 93395

Ion Ratio Lower Upper

75 100

110 37.8 18.6 56.0

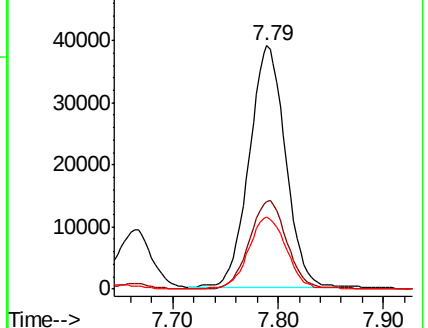
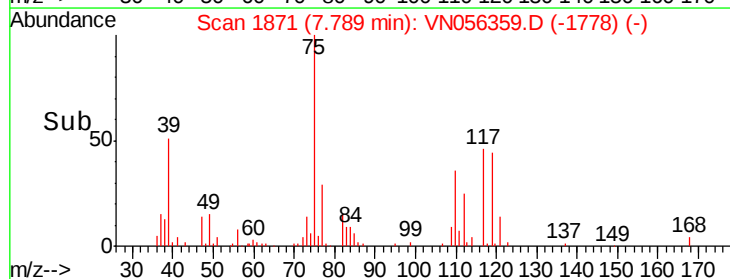
77 31.0 25.0 37.6

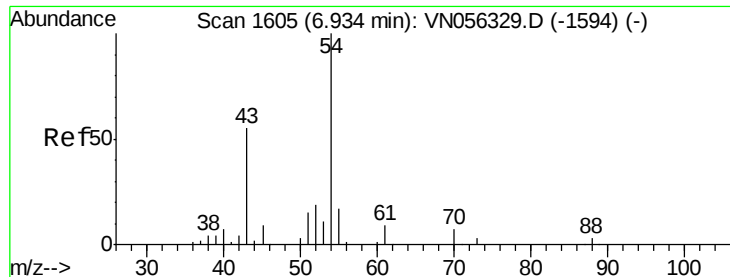


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

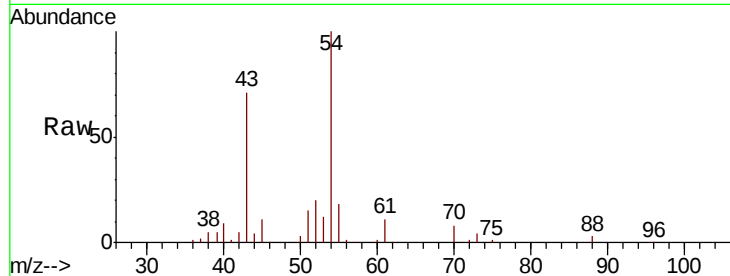




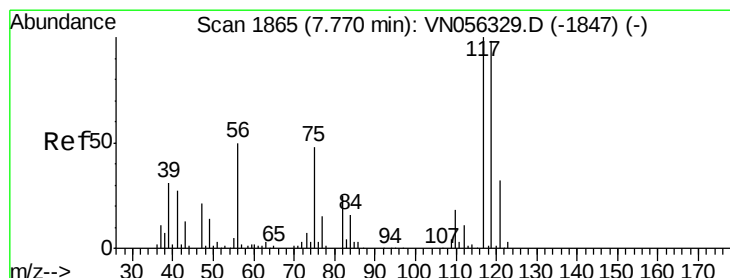
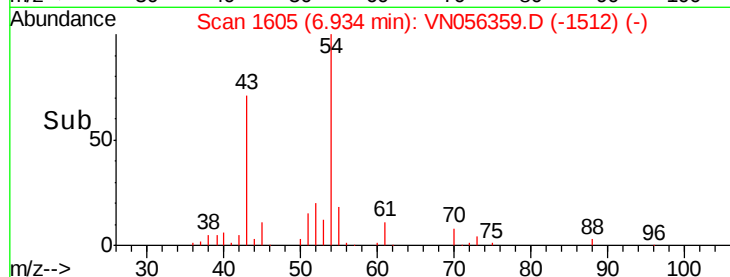
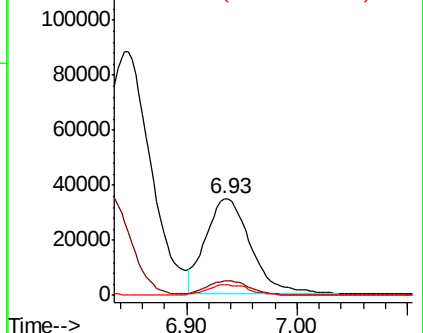
#37
Ethyl Acetate
Concen: 20.919 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 97951
Ion Ratio Lower Upper
43 100
61 15.3 11.7 17.5
70 10.7 8.3 12.5

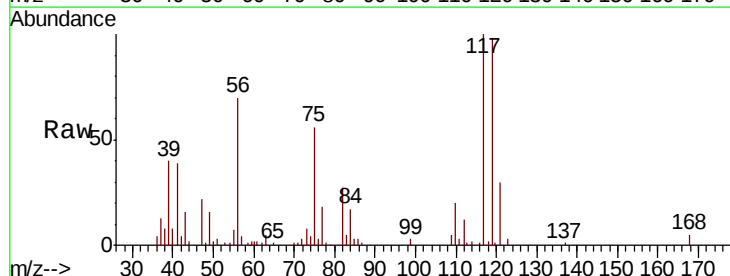


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

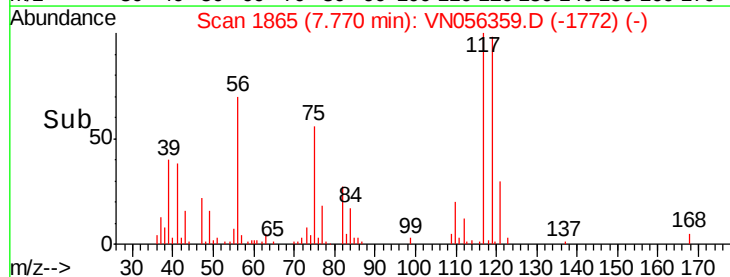
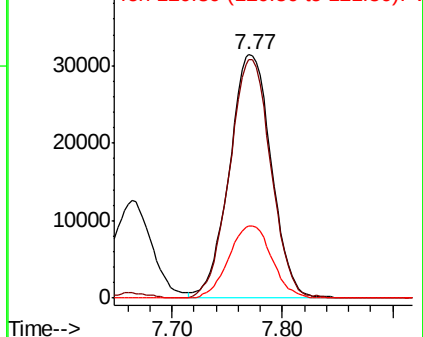


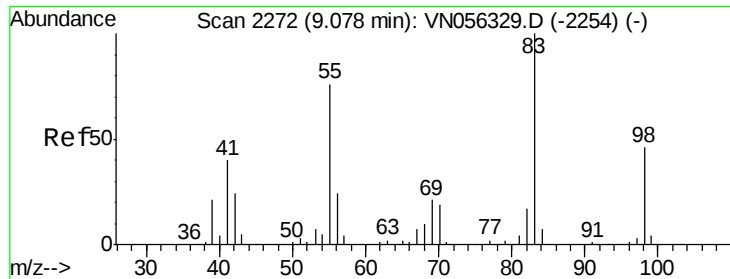
#38
Carbon Tetrachloride
Concen: 17.455 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 117 Resp: 82781
Ion Ratio Lower Upper
117 100
119 98.1 77.8 116.8
121 29.8 25.3 37.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

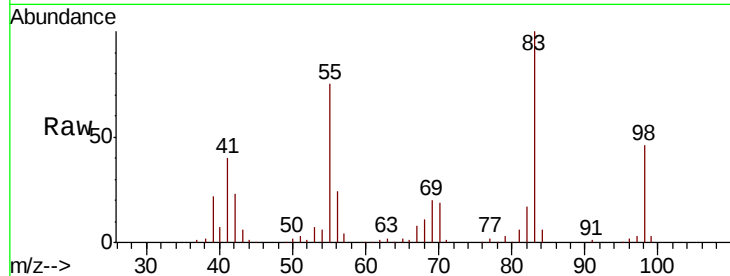




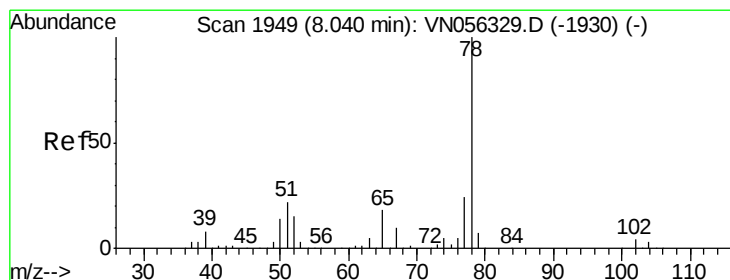
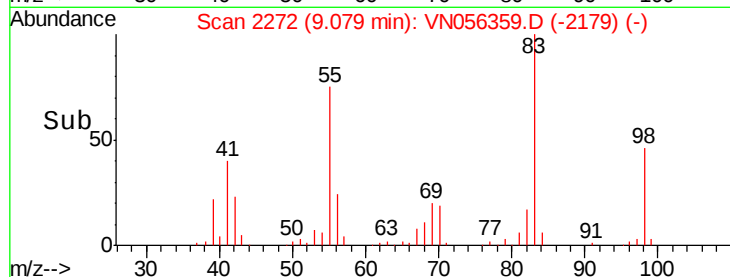
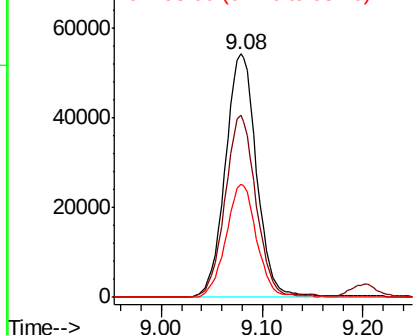
#39
Methvlcvclohexane
Concen: 19.455 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 117252
Ion Ratio Lower Upper
83 100
55 74.8 60.8 91.2
98 46.4 36.8 55.2

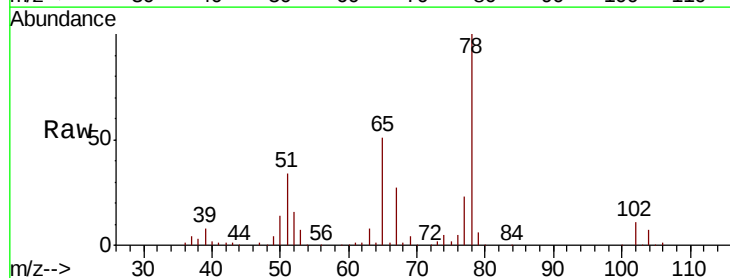


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

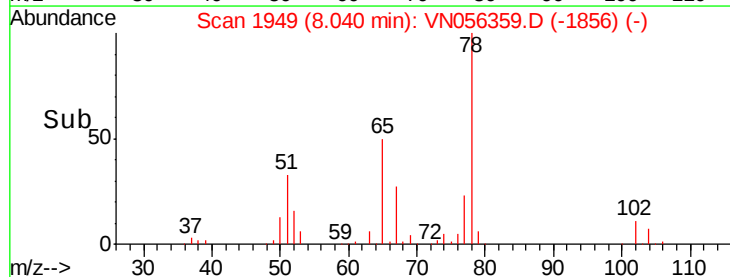
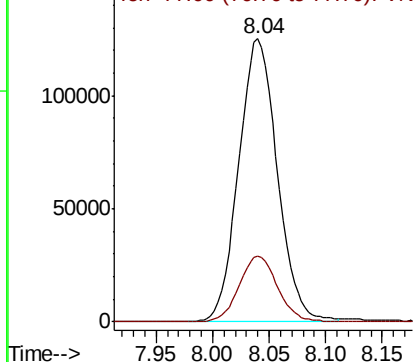


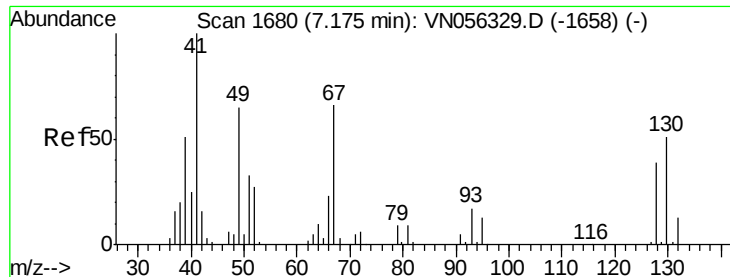
#40
Benzene
Concen: 19.885 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 78 Resp: 298051
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 18.174 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 41 Resp: 39076

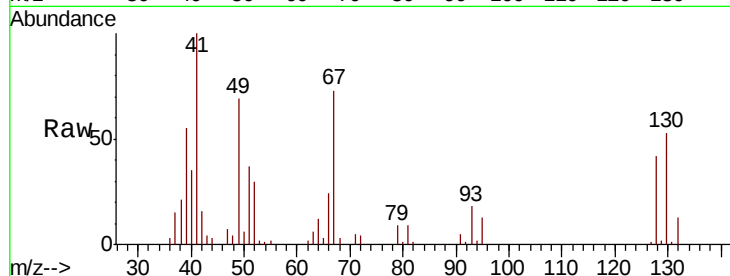
Ion Ratio Lower Upper

41 100

39 70.6 44.5 66.7#

67 102.5 69.0 103.4

52 42.8 28.1 42.1#

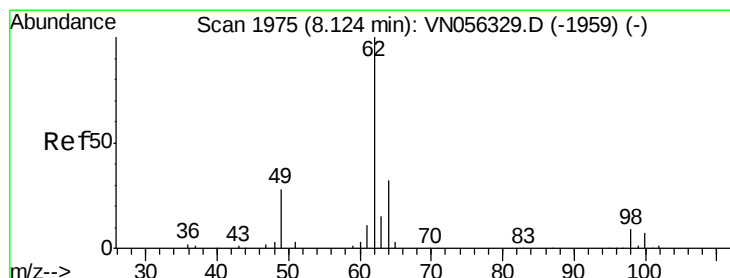
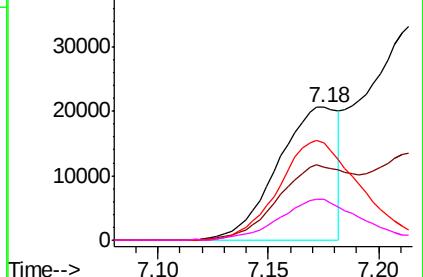
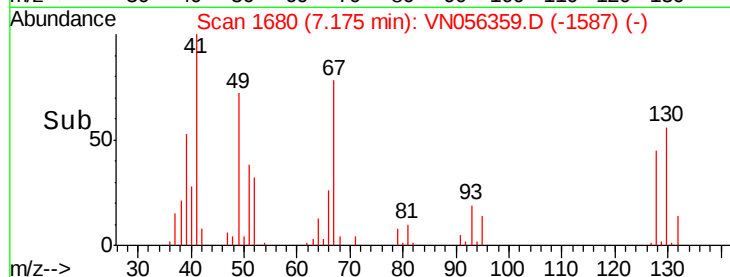


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.429 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056359.D

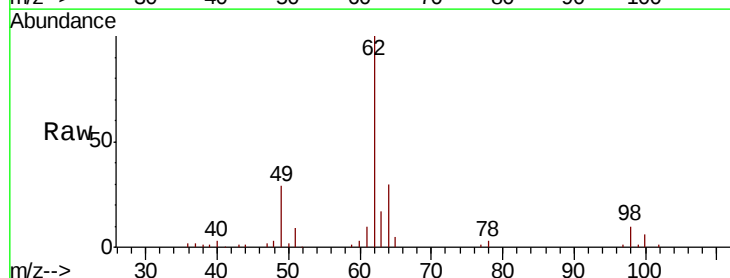
Acq: 18 Jun 2019 12:33

Tgt Ion: 62 Resp: 100414

Ion Ratio Lower Upper

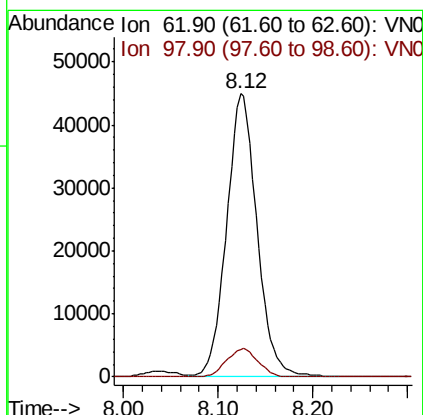
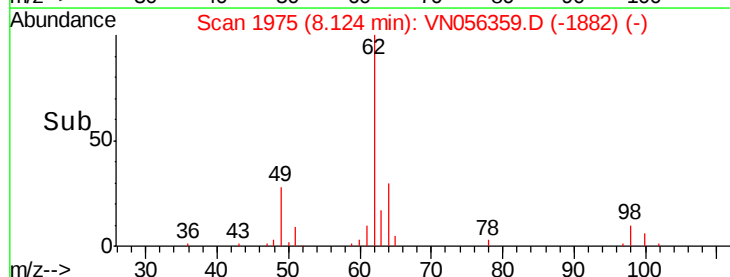
62 100

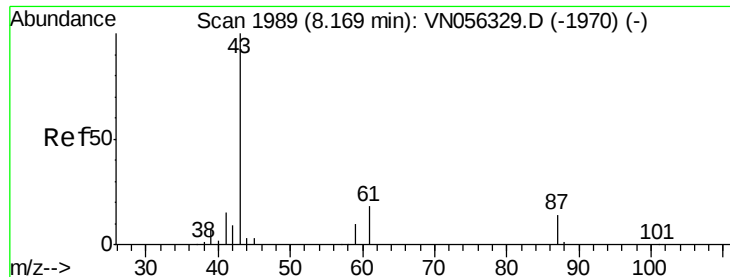
98 10.3 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.422 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

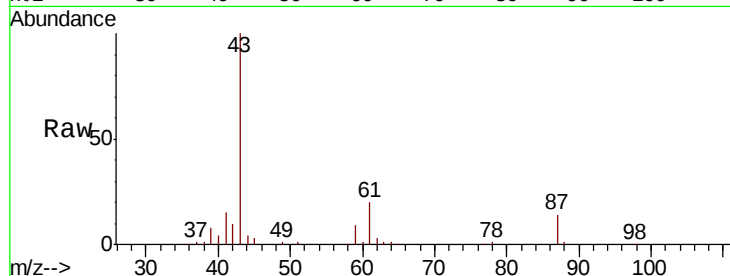
Tot Ion: 43 Resp: 145477

Ion Ratio Lower Upper

43 100

61 20.4 16.6 25.0

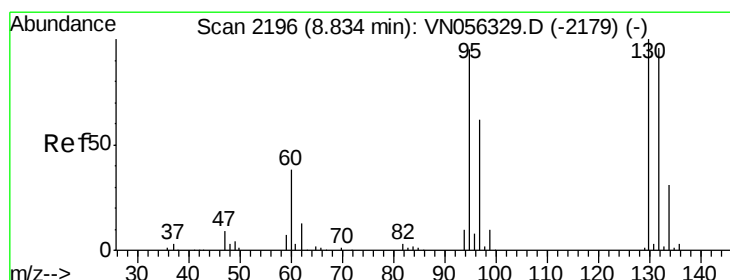
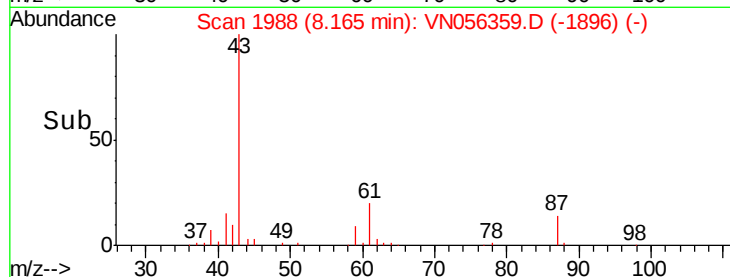
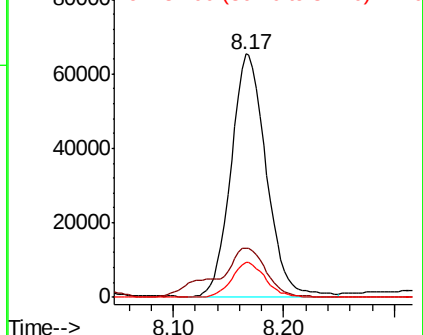
87 13.6 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056329.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056329.D (-1970) (-)



#44

Trichloroethene

Concen: 19.651 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056359.D

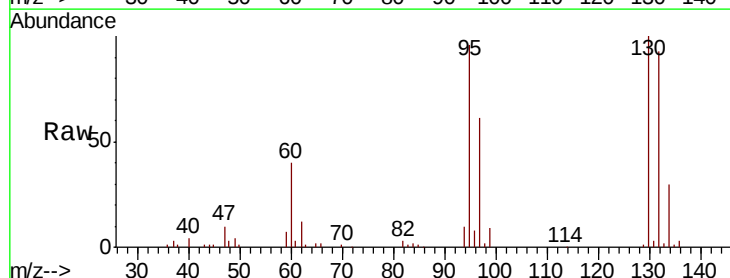
Acq: 18 Jun 2019 12:33

Tgt Ion:130 Resp: 80100

Ion Ratio Lower Upper

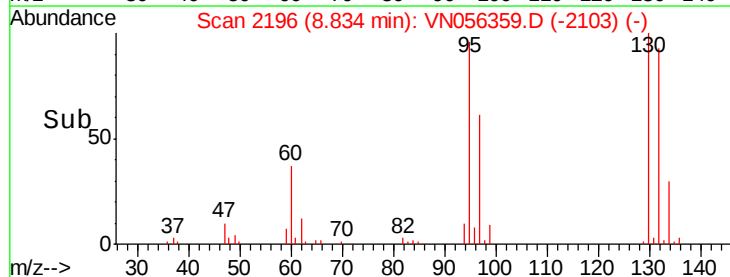
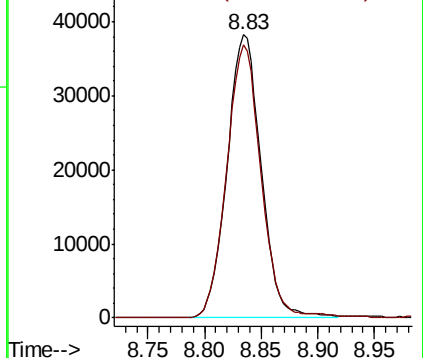
130 100

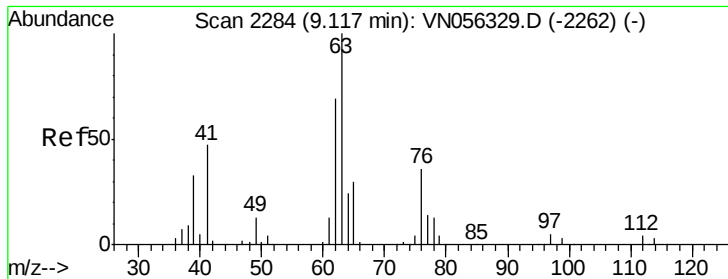
95 96.5 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): VN056329.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056329.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 20.275 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

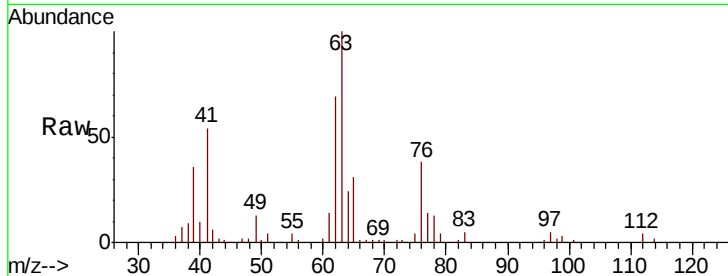
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 80315

Ion Ratio Lower Upper

63 100

65 31.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN056359.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN056359.D (-2262) (-)

9.12

40000

30000

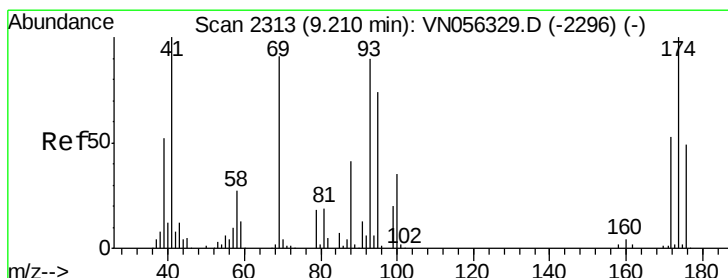
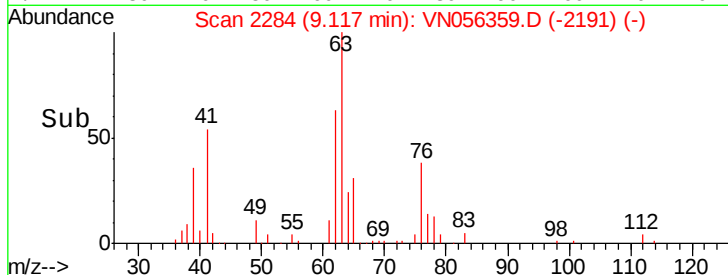
20000

10000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 19.541 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

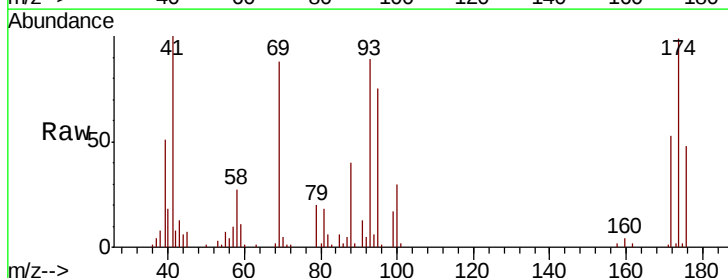
Tgt Ion: 93 Resp: 51439

Ion Ratio Lower Upper

93 100

95 83.6 67.2 100.8

174 112.3 90.3 135.5



Abundance Ion 92.80 (92.50 to 93.50): VN056359.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN056359.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN056359.D (-2296) (-)

9.21

40000

30000

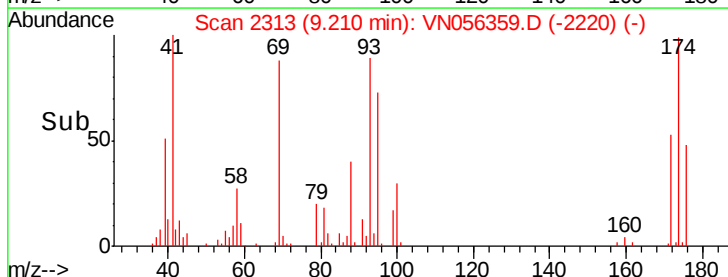
20000

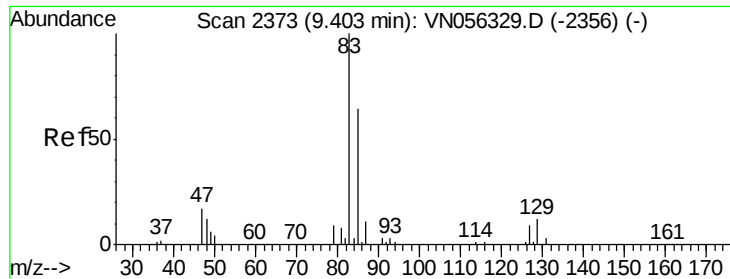
10000

0

9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 17.539 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

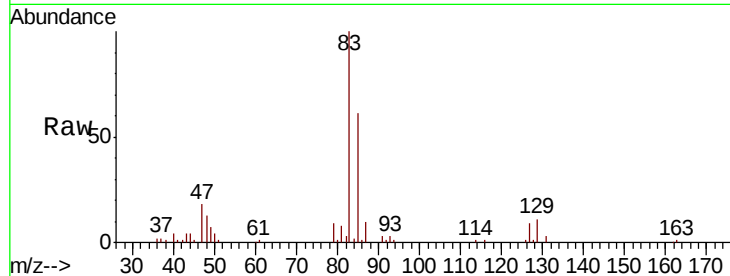
Tot Ion: 83 Resp: 88207

Ion Ratio Lower Upper

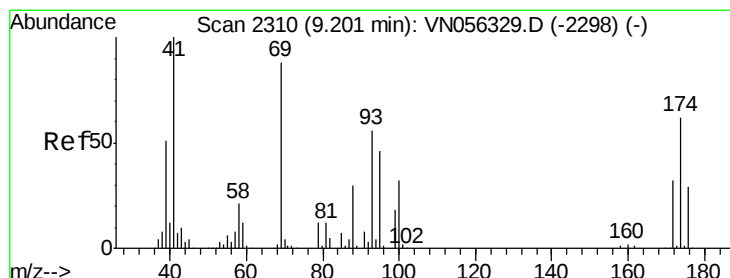
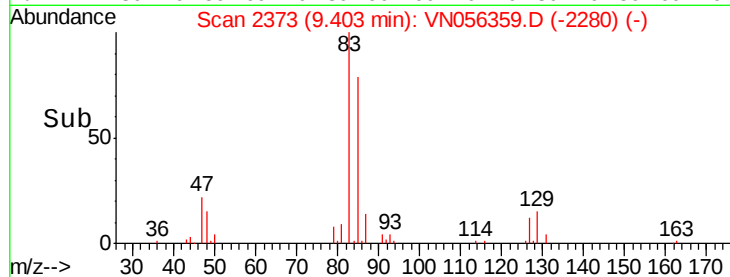
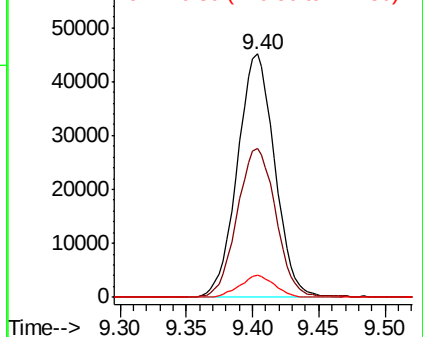
83 100

85 61.2 51.1 76.7

127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.547 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

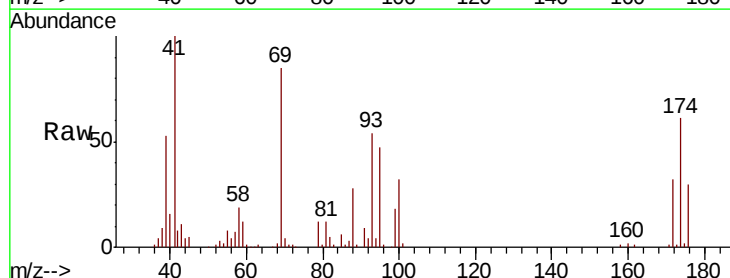
Tgt Ion: 41 Resp: 73871

Ion Ratio Lower Upper

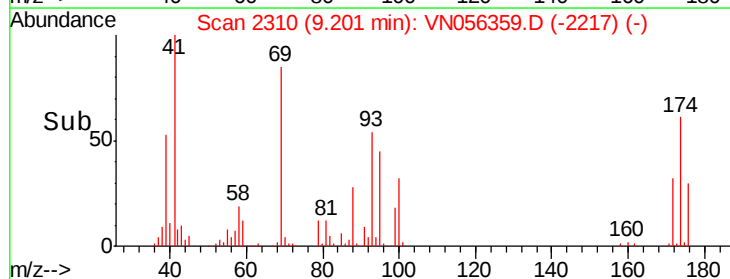
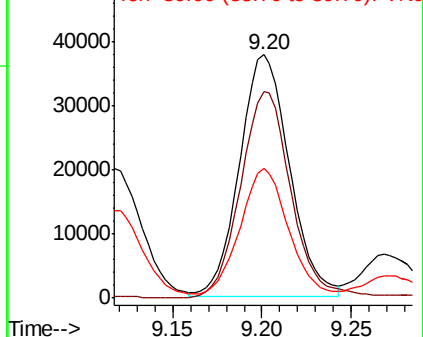
41 100

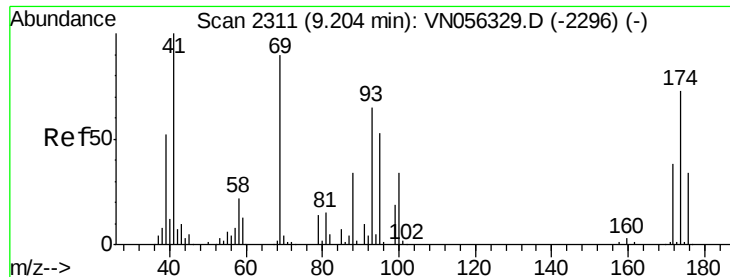
69 86.2 71.0 106.6

39 52.5 41.7 62.5



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





#49

1,4-Dioxane

Concen: 372.982 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :

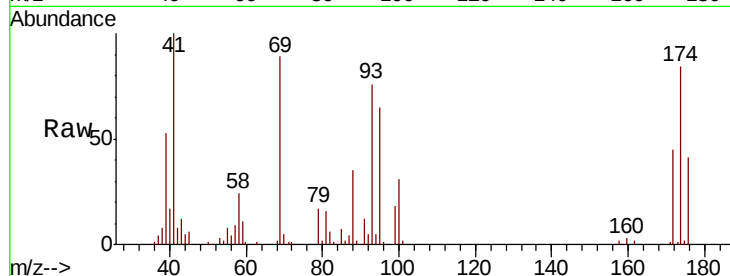
Tot Ion: 88 Resp: 28434

Ion Ratio Lower Upper

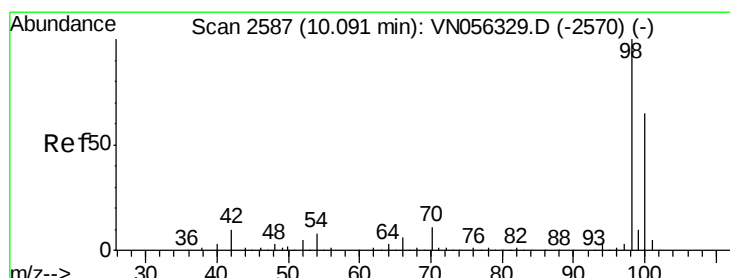
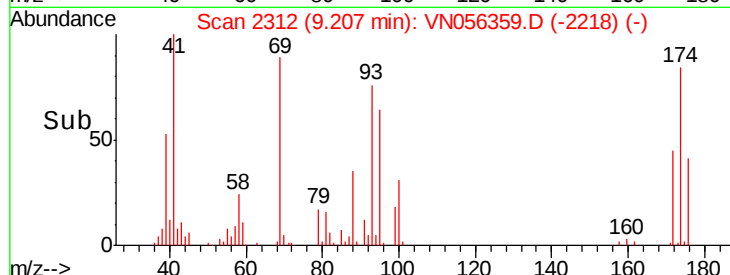
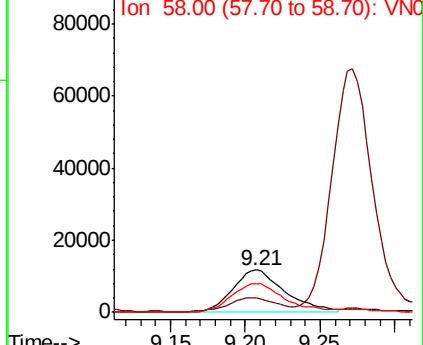
88 100

43 30.0 21.9 32.9

58 68.3 57.3 85.9



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



#50

Toluene-d8

Concen: 52.417 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056359.D

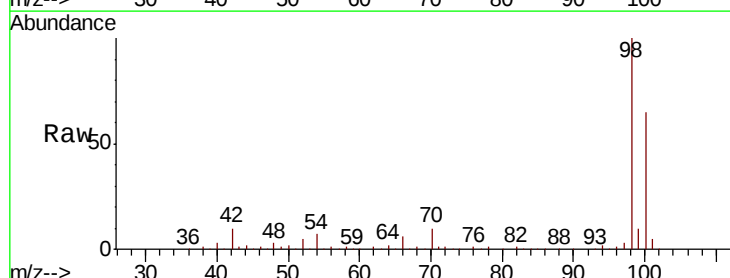
Acq: 18 Jun 2019 12:33

Tgt Ion: 98 Resp: 705082

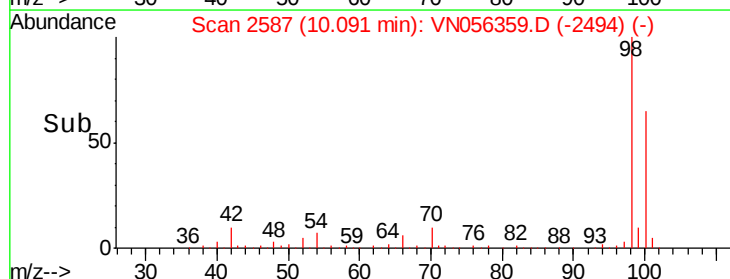
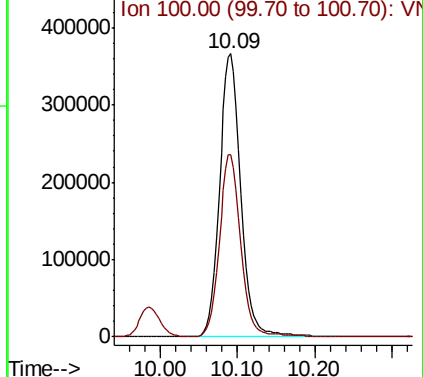
Ion Ratio Lower Upper

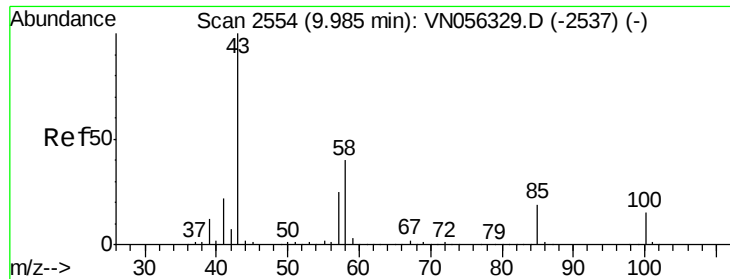
98 100

100 64.5 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 99.762 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

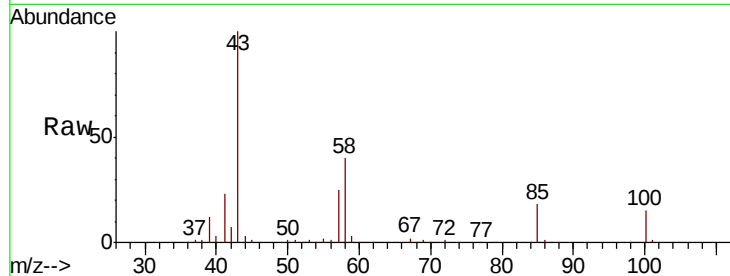
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 476251

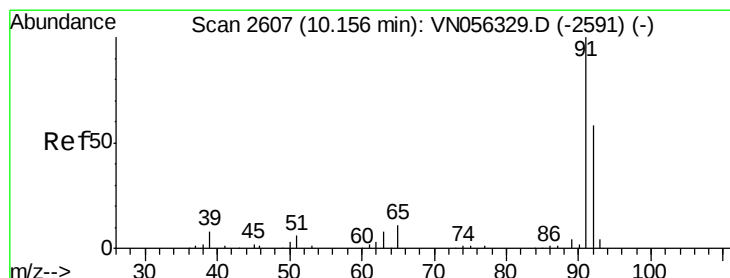
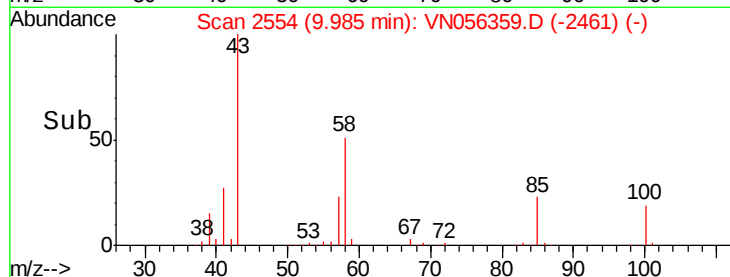
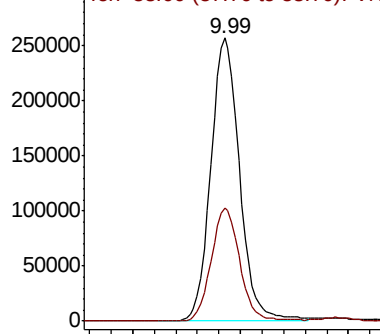
Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.6



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



#52

Toluene

Concen: 19.880 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056359.D

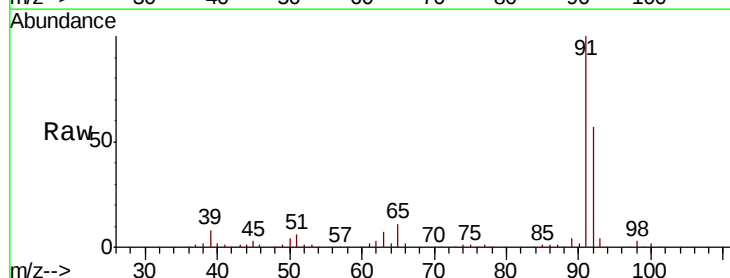
Acq: 18 Jun 2019 12:33

Tgt Ion: 92 Resp: 181874

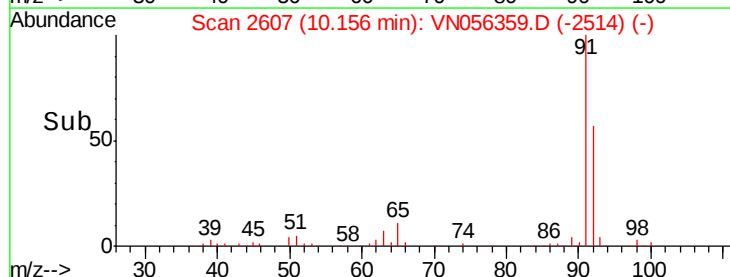
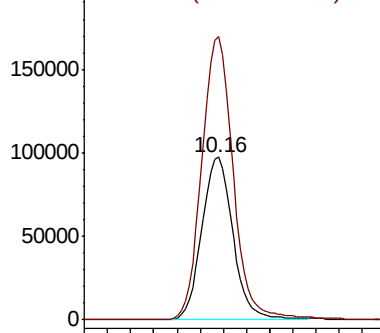
Ion Ratio Lower Upper

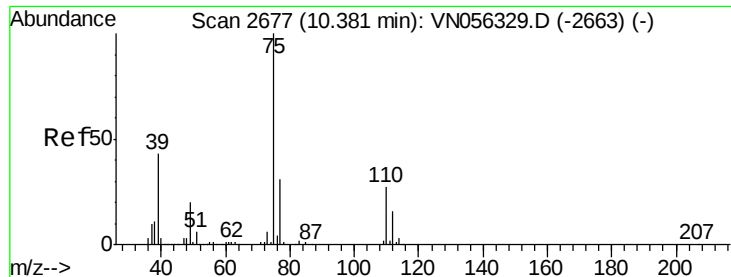
92 100

91 176.2 139.1 208.7



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





#53

t-1,3-Dichloropropene

Concen: 17.207 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

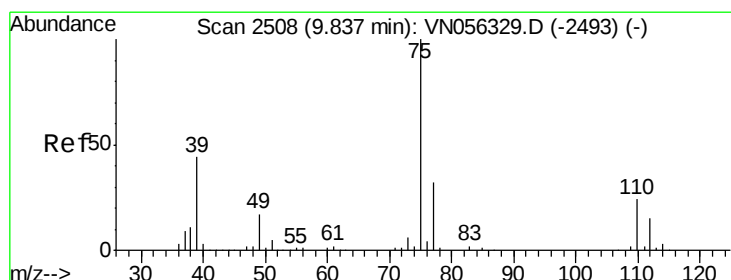
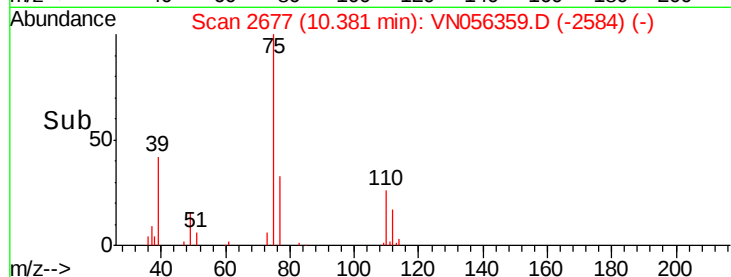
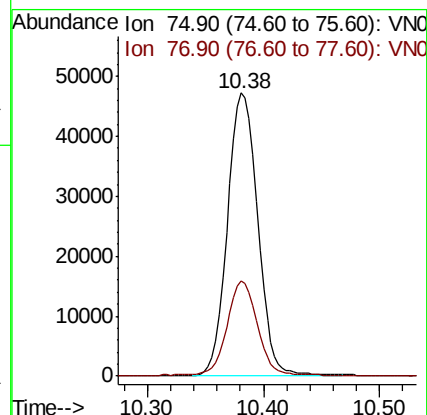
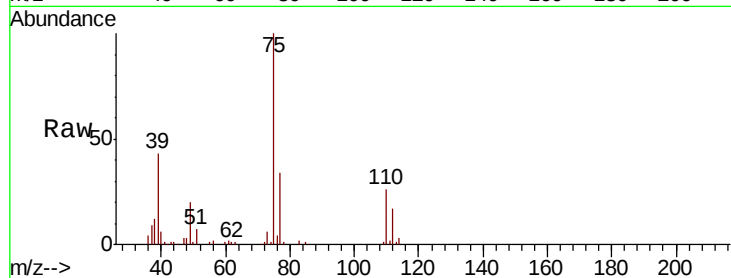
ClientSampled :

Tot Ion: 75 Resp: 85924

Ion Ratio Lower Upper

75 100

77 33.3 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.191 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

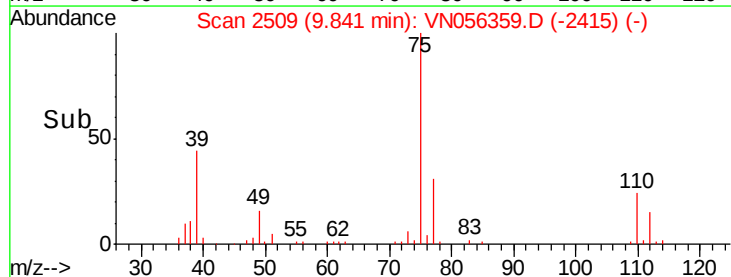
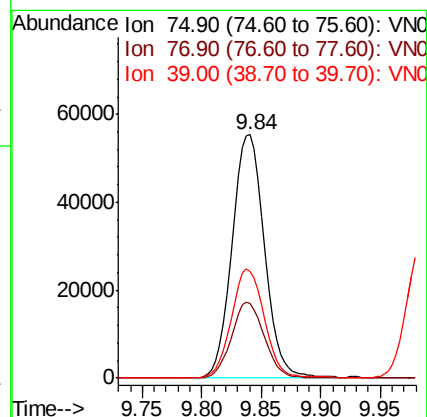
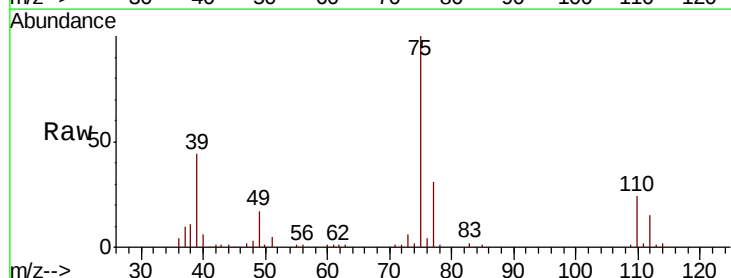
Tgt Ion: 75 Resp: 104774

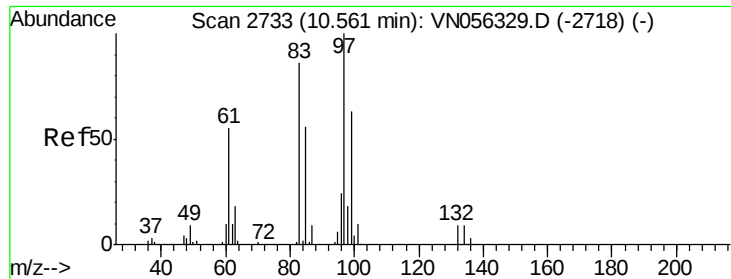
Ion Ratio Lower Upper

75 100

77 30.6 25.7 38.5

39 44.1 35.4 53.0

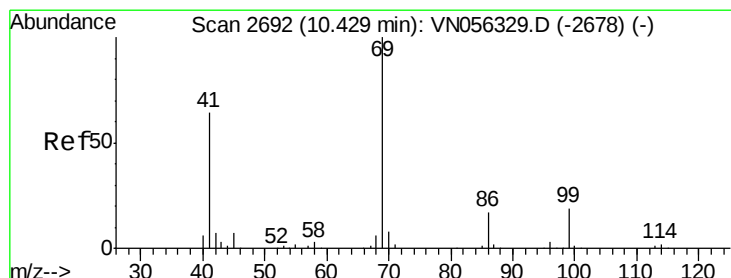
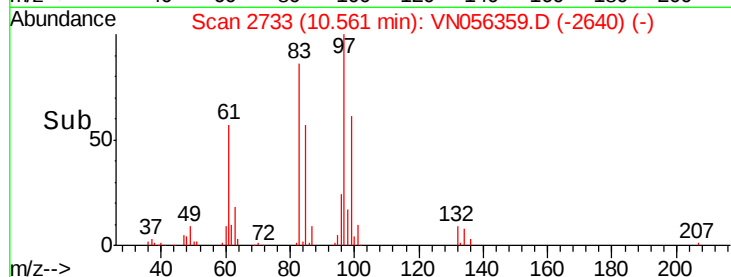
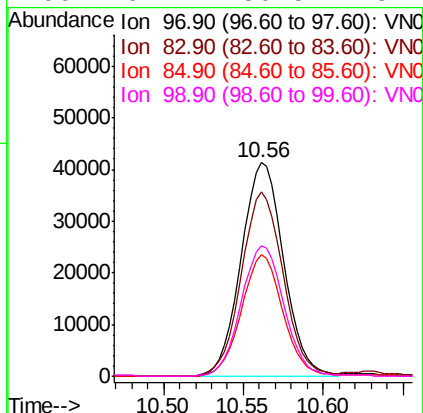
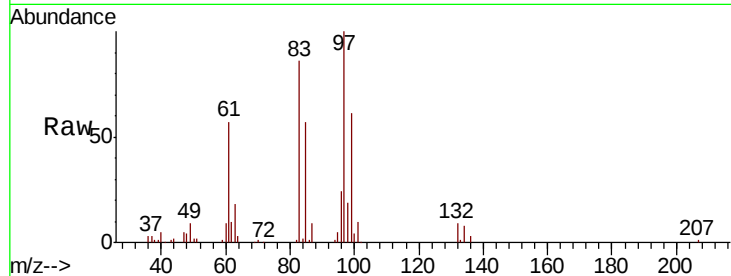




#55
 1,1,2-Trichloroethane
 Concen: 20.008 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

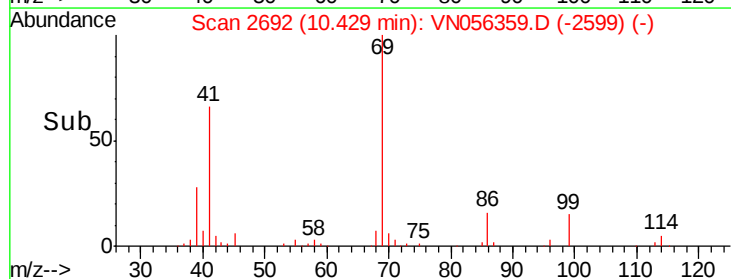
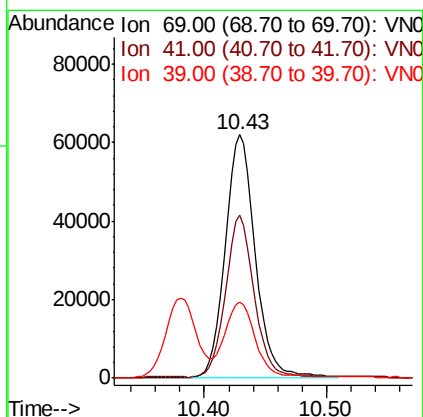
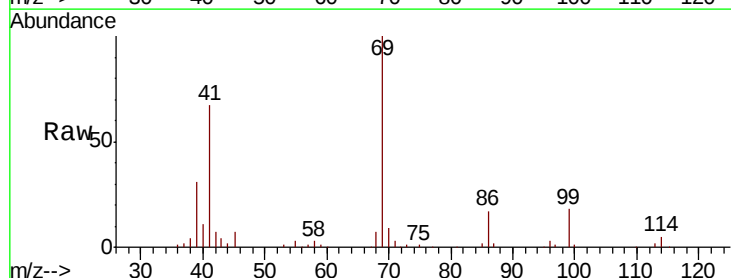
Instrument :
 MSVOA_N
 ClientSampleId :

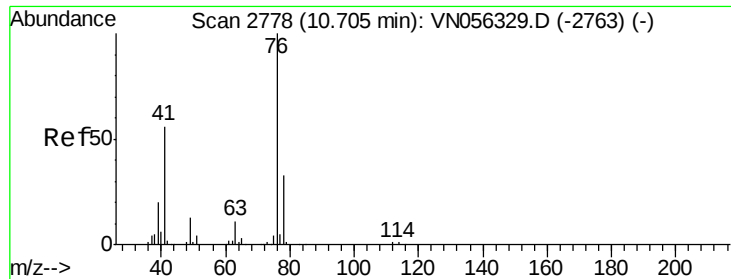
Tot Ion:	97	Resp:	75228
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.0	103.4
85	56.8	44.6	67.0
99	61.1	50.5	75.7



#56
 Ethyl methacrylate
 Concen: 19.882 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion:	69	Resp:	107507
Ion	Ratio	Lower	Upper
69	100		
41	63.0	52.0	78.0
39	31.0	24.4	36.6





#57

1,3-Dichloropropane

Concen: 19.699 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

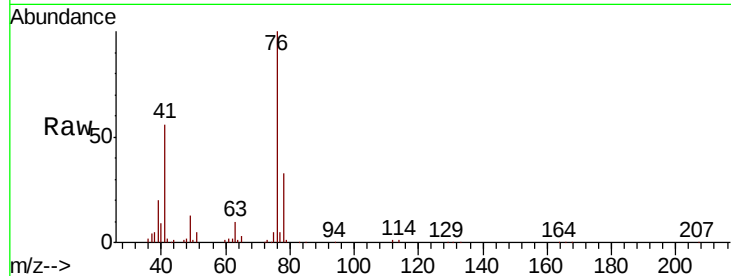
ClientSampleId :

Tot Ion: 76 Resp: 124757

Ion Ratio Lower Upper

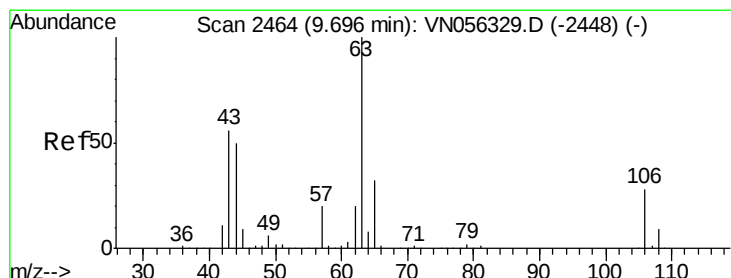
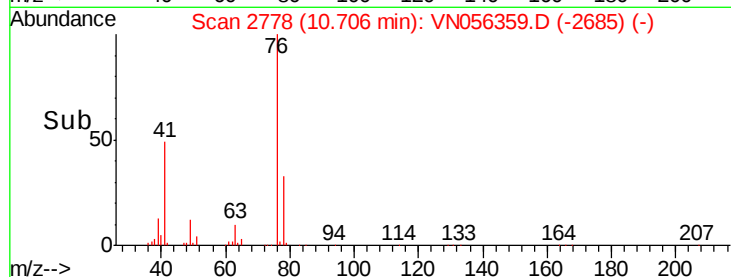
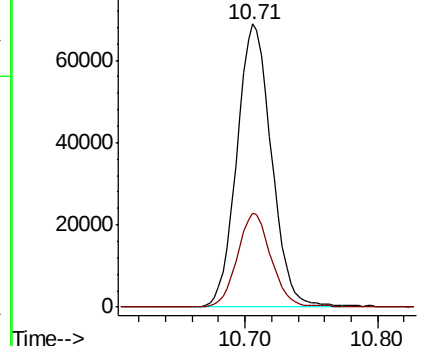
76 100

78 32.2 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 109.054 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056359.D

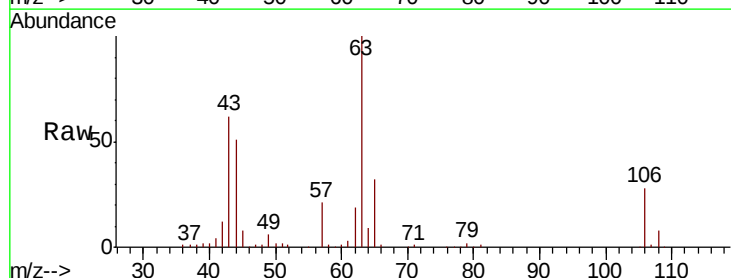
Acq: 18 Jun 2019 12:33

Tgt Ion: 63 Resp: 201245

Ion Ratio Lower Upper

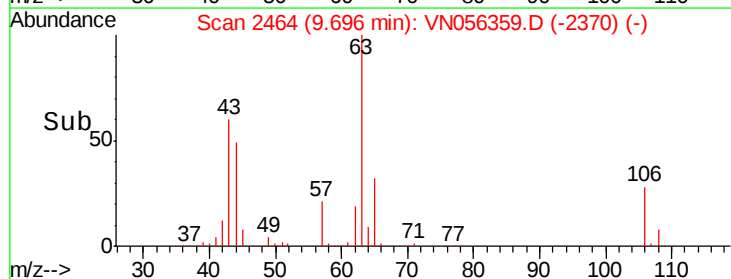
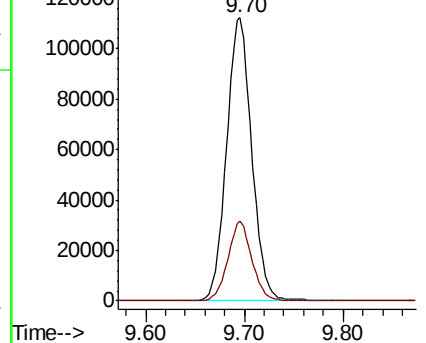
63 100

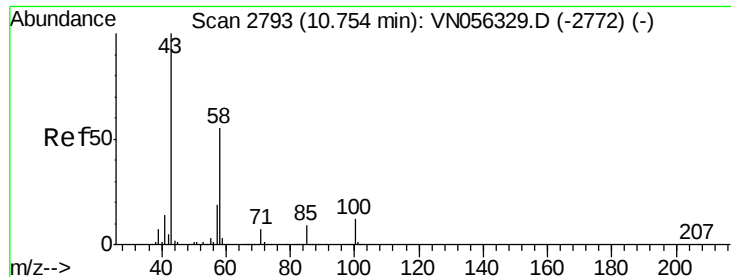
106 26.7 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

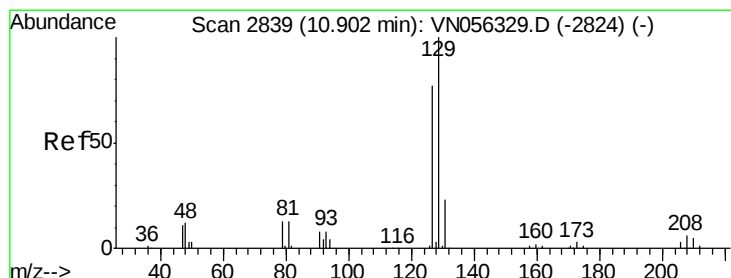
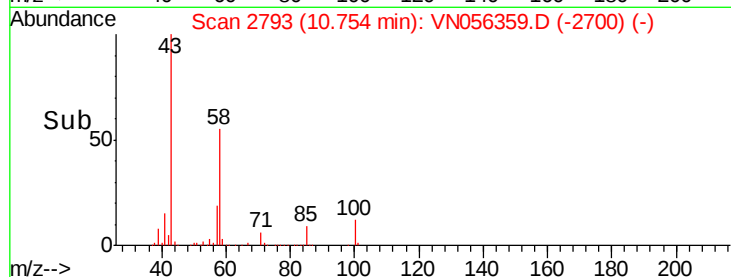
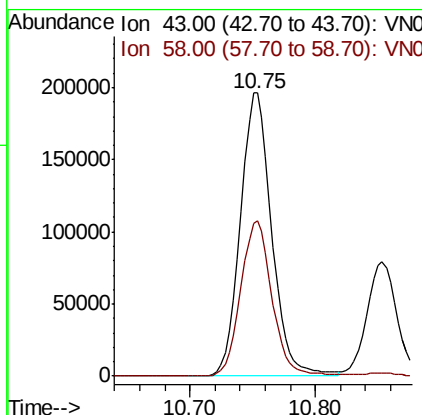
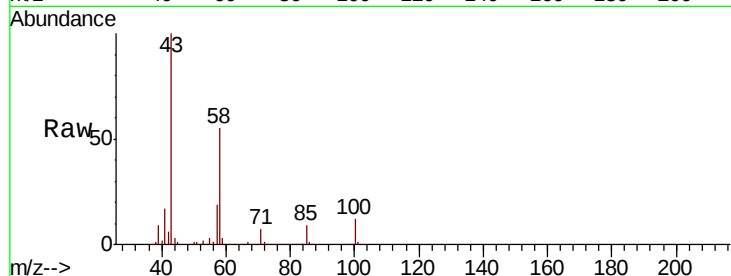




#59
2-Hexanone
Concen: 96.279 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

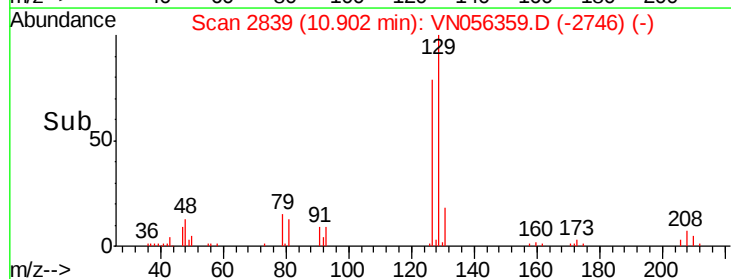
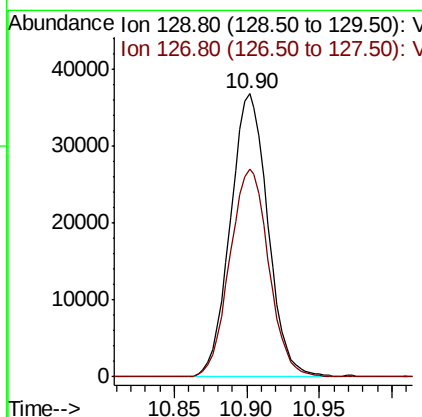
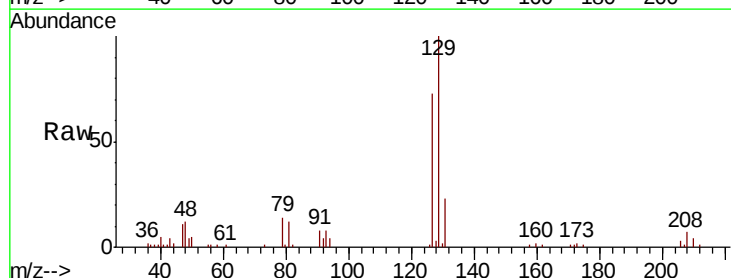
Instrument :
MSVOA_N
ClientSampleId :

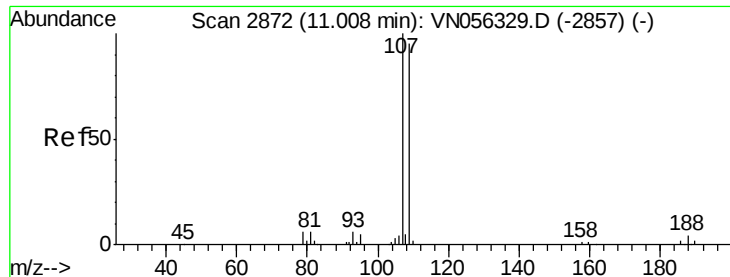
Tot Ion: 43 Resp: 340876
Ion Ratio Lower Upper
43 100
58 55.1 27.8 83.4



#60
Dibromochloromethane
Concen: 16.755 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 129 Resp: 66071
Ion Ratio Lower Upper
129 100
127 76.1 38.6 116.0

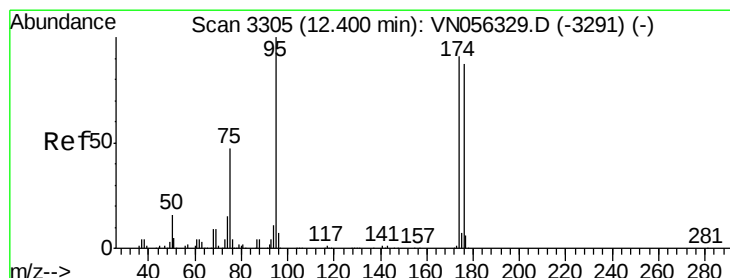
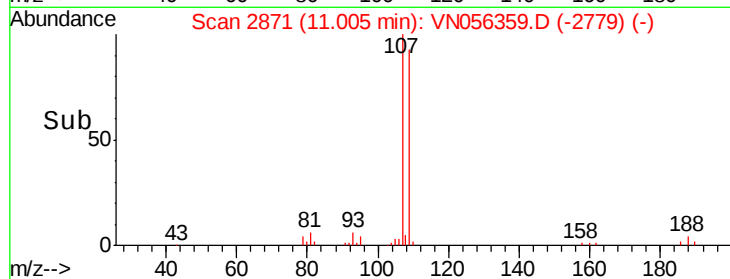
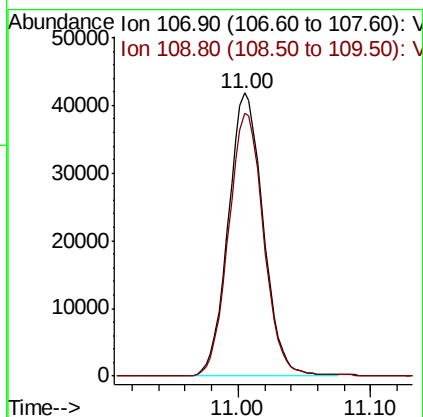
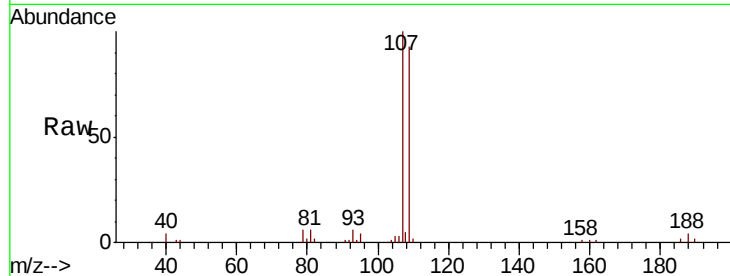




#61
 1,2-Dibromoethane
 Concen: 19.834 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

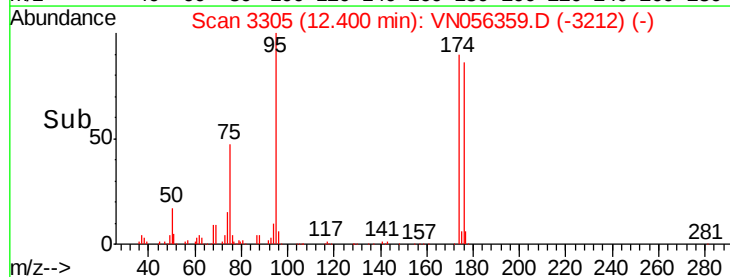
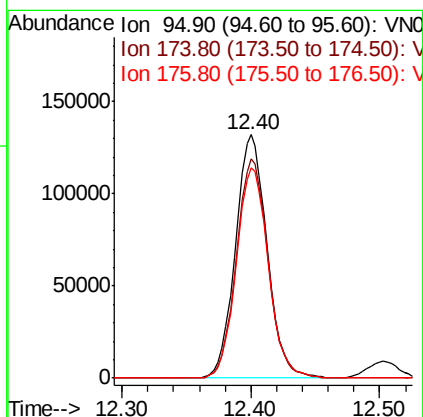
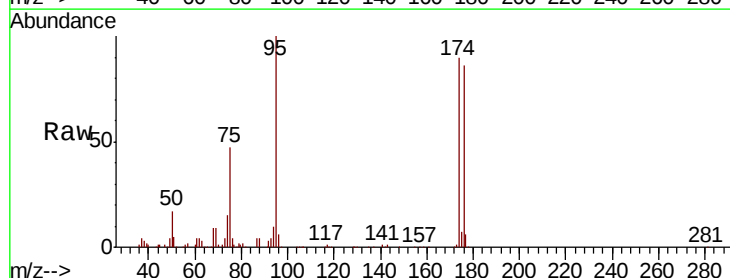
Instrument :
 MSVOA_N
 ClientSampleId :

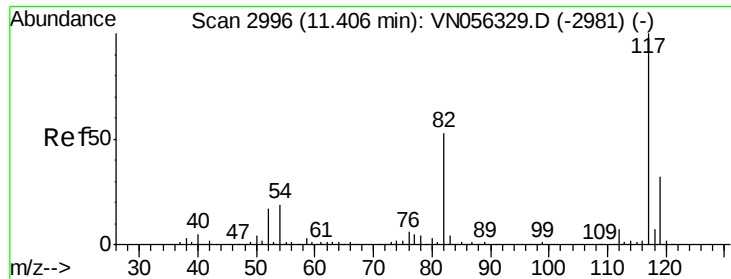
Tot Ion: 107 Resp: 76655
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.404 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 95 Resp: 224672
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 182.6
 176 87.6 0.0 176.8

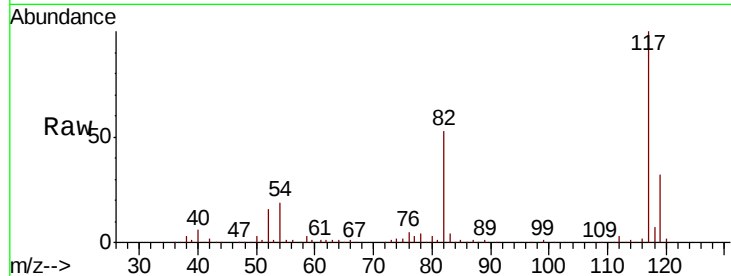




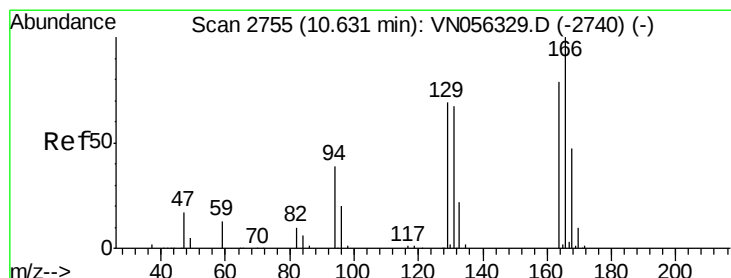
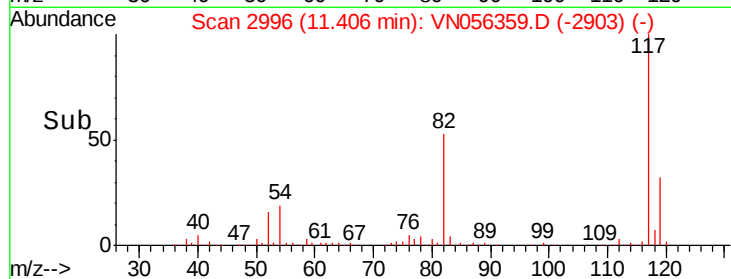
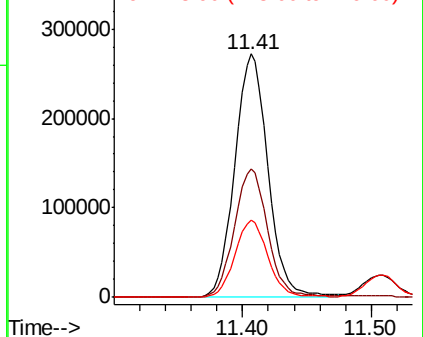
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 487152
Ion Ratio Lower Upper
117 100
82 52.9 42.4 63.6
119 31.8 26.0 39.0

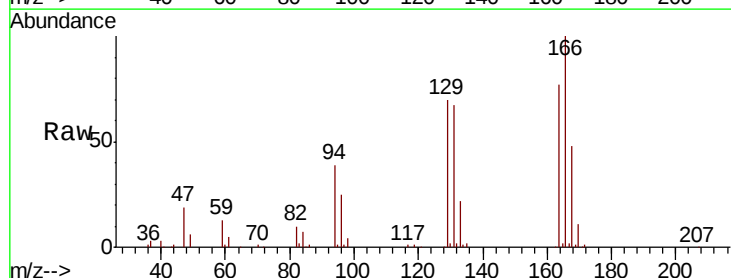


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

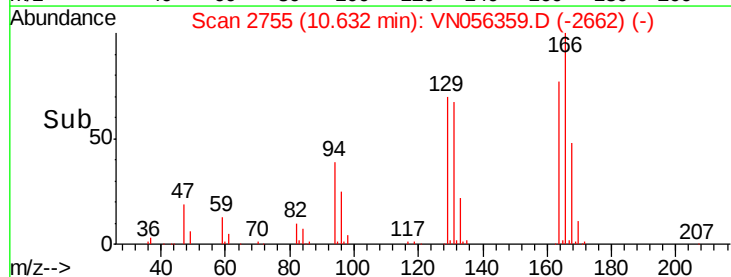
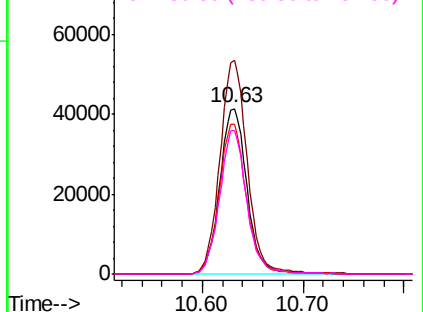


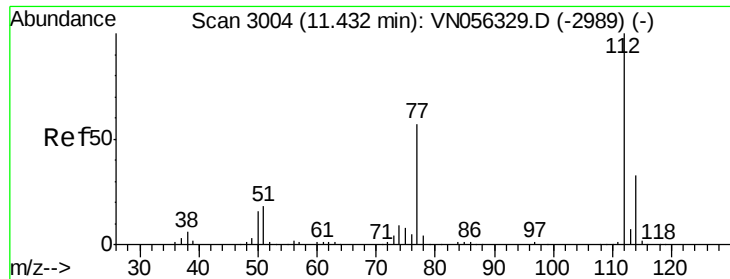
#64
Tetrachloroethene
Concen: 19.570 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion:164 Resp: 78182
Ion Ratio Lower Upper
164 100
166 129.3 101.8 152.6
129 91.0 70.3 105.5
131 87.1 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

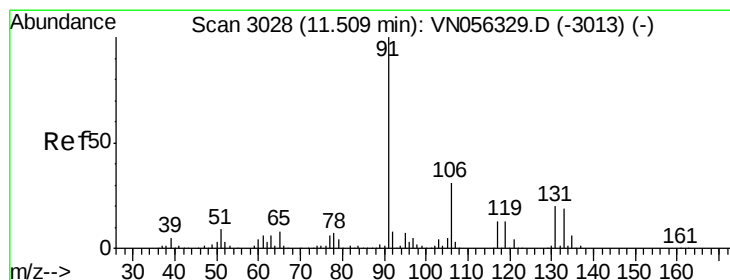
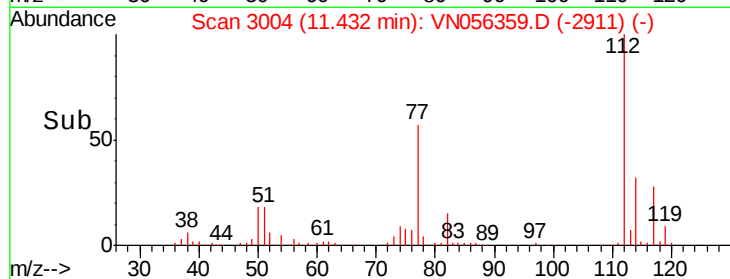
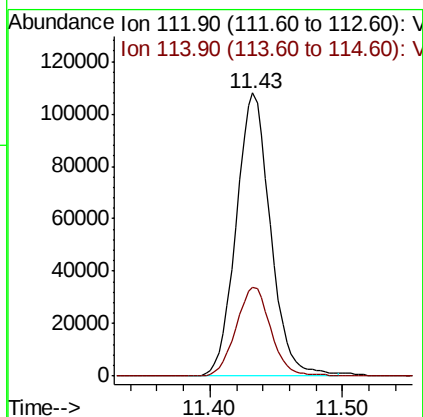
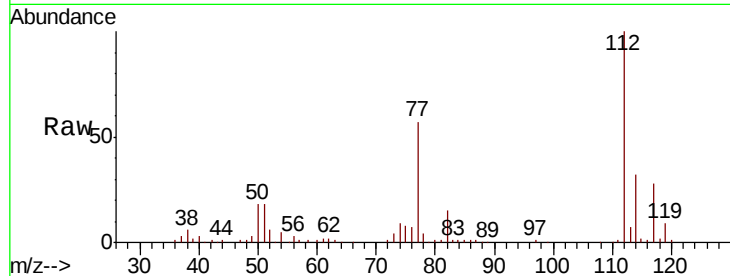




#65
Chlorobenzene
Concen: 19.592 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

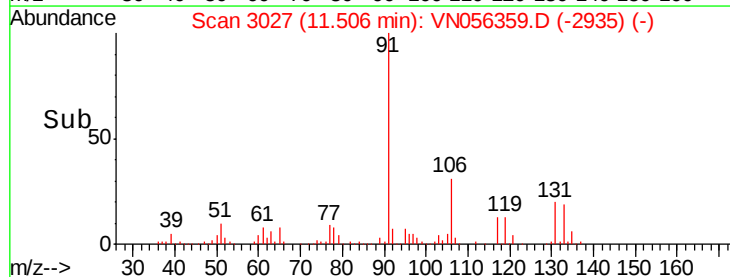
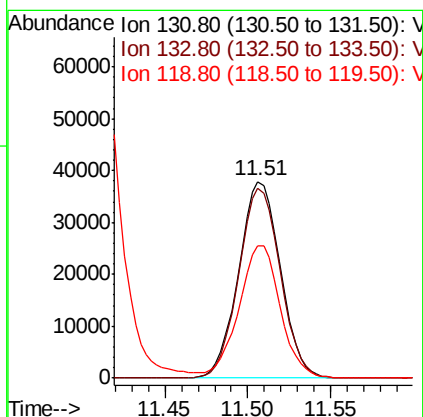
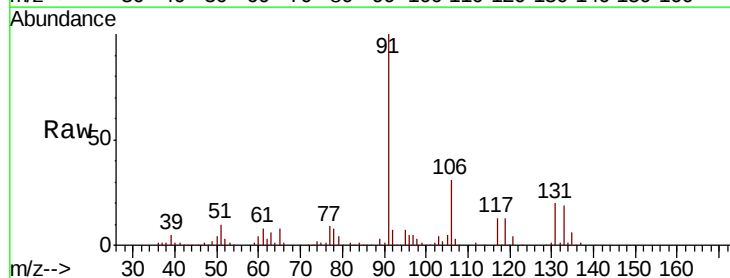
Instrument :
MSVOA_N
ClientSampleId :

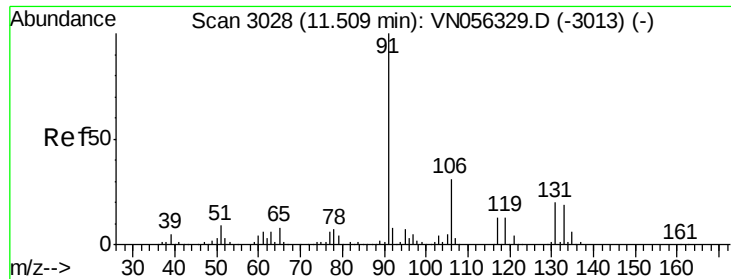
Tot Ion:112 Resp: 193767
Ion Ratio Lower Upper
112 100
114 31.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 18.002 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion:131 Resp: 66468
Ion Ratio Lower Upper
131 100
133 96.0 47.9 143.7
119 67.0 33.5 100.5

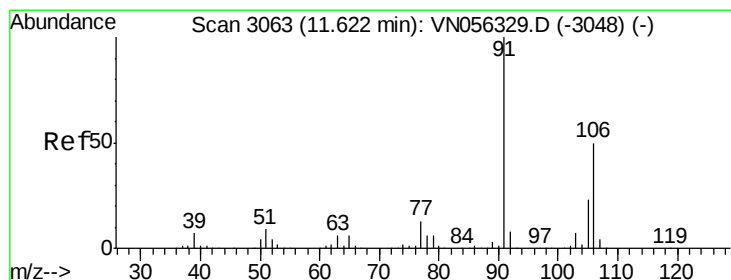
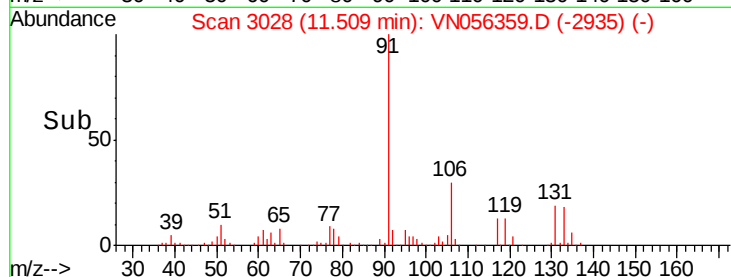
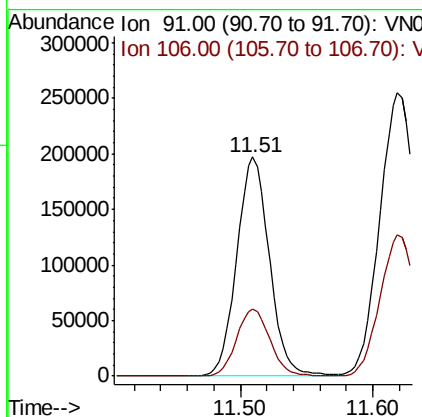
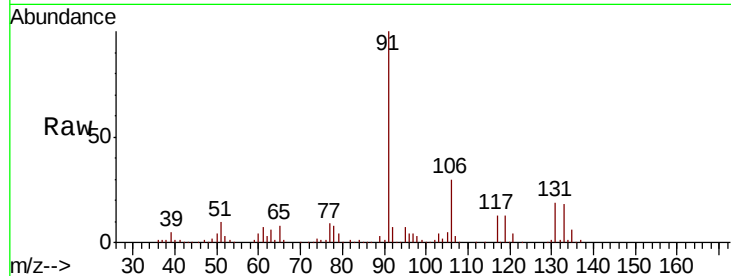




#67
Ethyl Benzene
Concen: 19.814 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

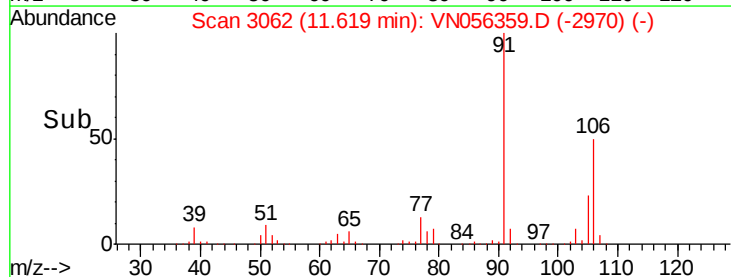
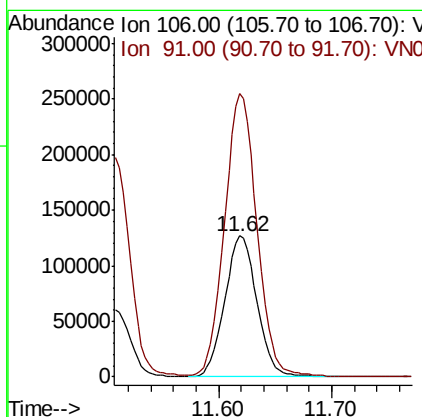
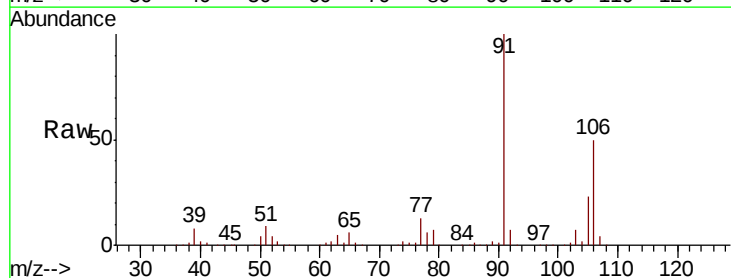
Instrument :
MSVOA_N
ClientSampled :

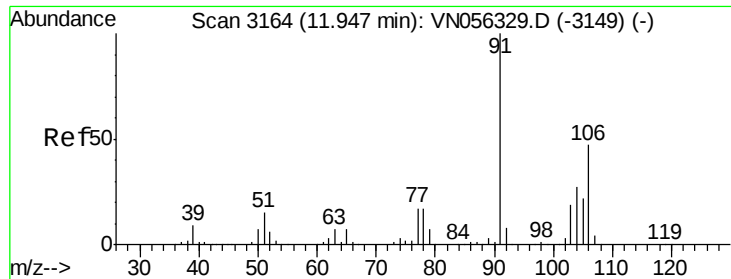
Tot Ion: 91 Resp: 337311
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.6



#68
m/p-Xylenes
Concen: 39.682 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion: 106 Resp: 251434
Ion Ratio Lower Upper
106 100
91 202.3 160.7 241.1

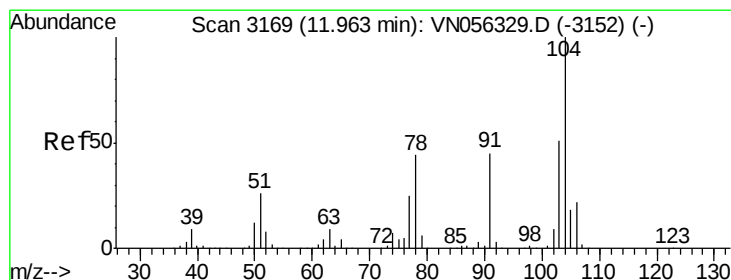
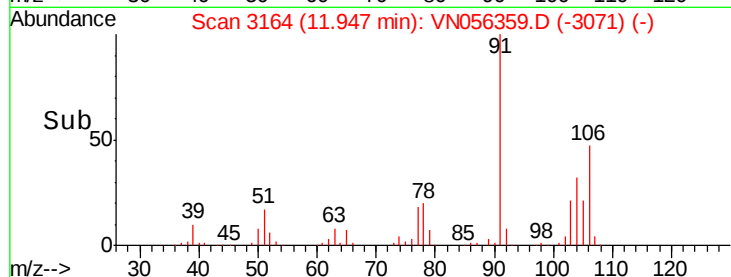
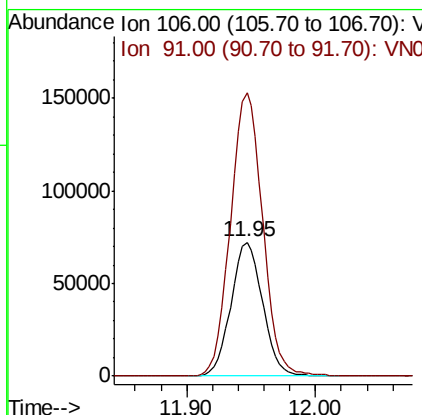
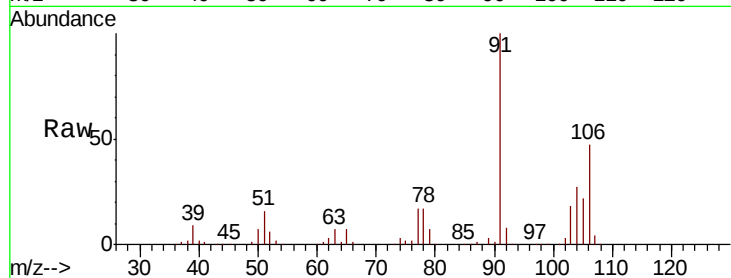




#69
o-Xylene
Concen: 19.753 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

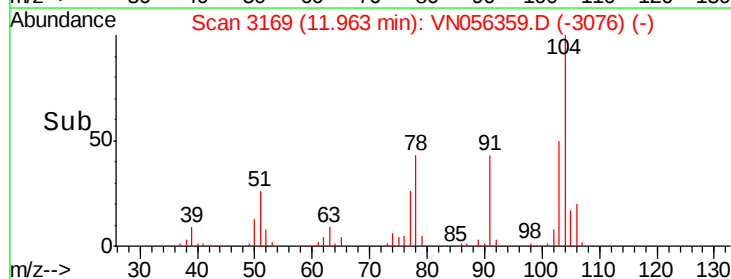
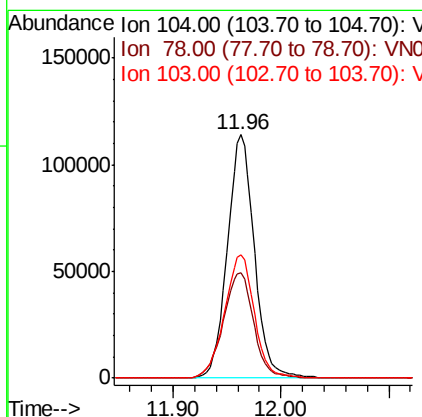
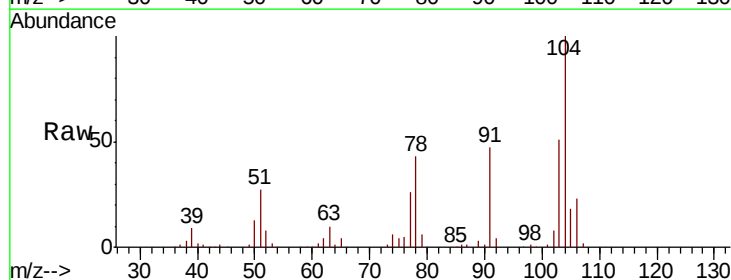
Instrument :
MSVOA_N
ClientSampleId :

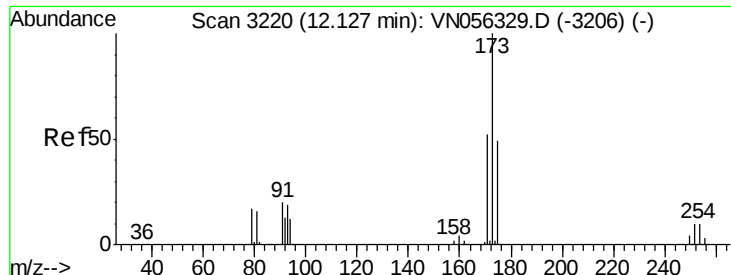
Tot Ion:106 Resp: 123374
Ion Ratio Lower Upper
106 100
91 214.1 105.6 316.7



#70
Styrene
Concen: 19.710 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056359.D
Acq: 18 Jun 2019 12:33

Tgt Ion:104 Resp: 198757
Ion Ratio Lower Upper
104 100
78 48.6 38.4 57.6
103 56.0 44.0 66.0





#71

Bromoform

Concen: 14.831 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

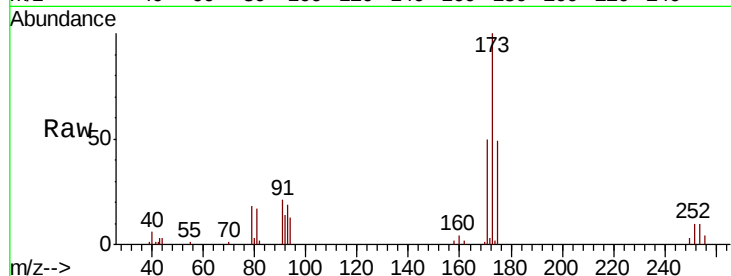
Tot Ion:173 Resp: 42558

Ion Ratio Lower Upper

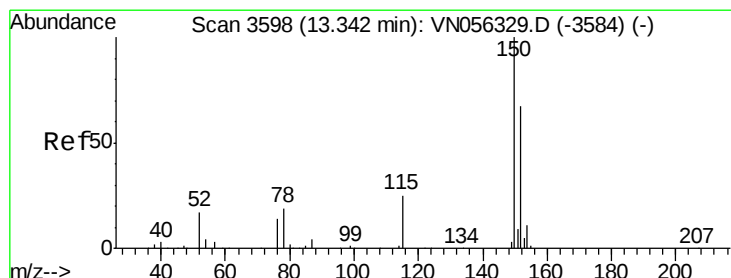
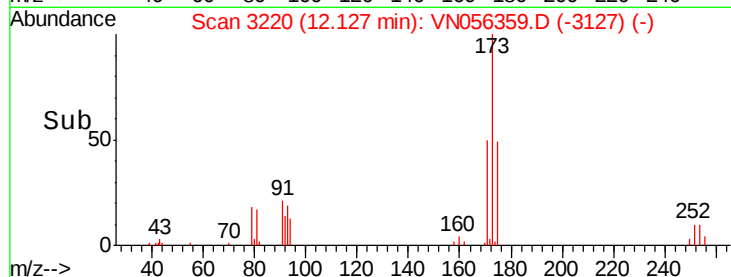
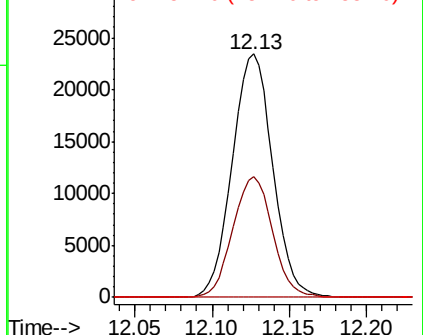
173 100

175 48.7 24.3 73.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

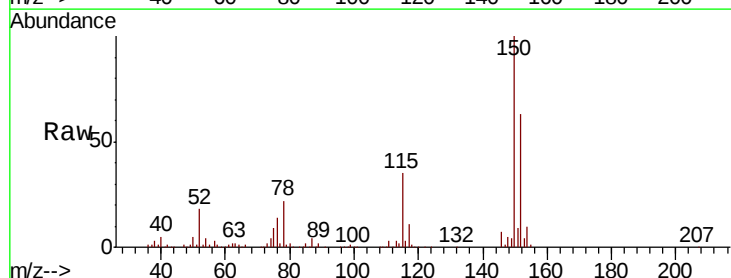
Tgt Ion:152 Resp: 187963

Ion Ratio Lower Upper

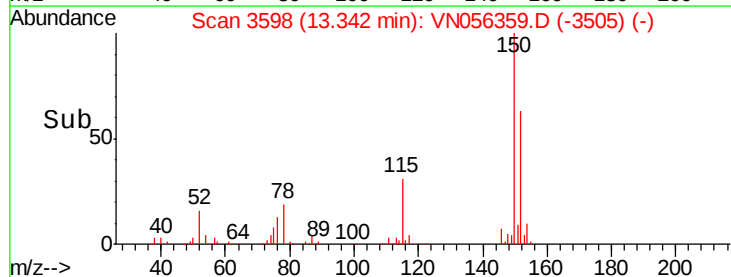
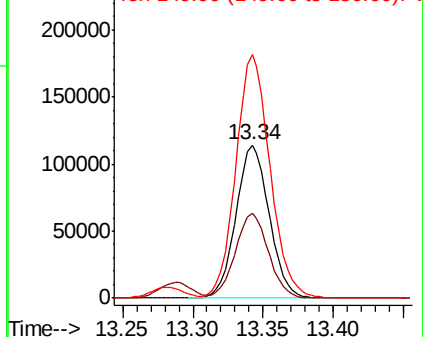
152 100

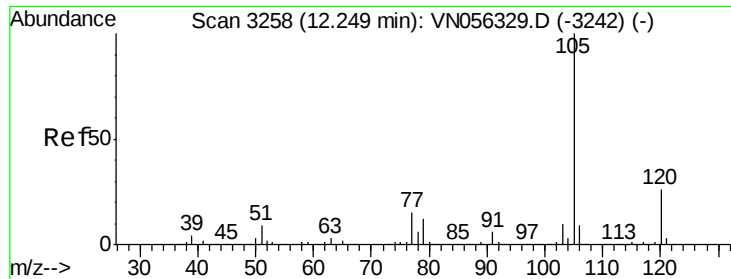
115 55.5 27.8 83.3

150 164.4 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.183 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

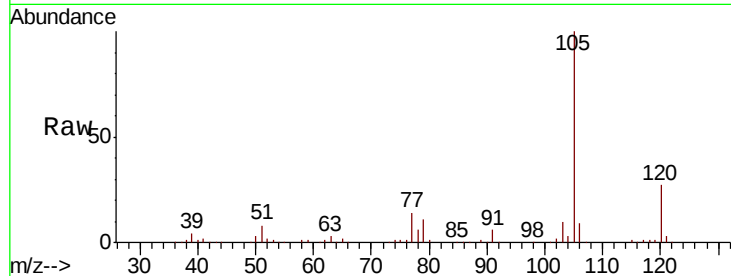
ClientSampleId :

Tot Ion:105 Resp: 326620

Ion Ratio Lower Upper

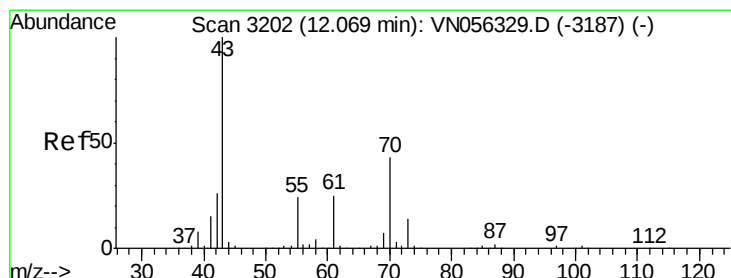
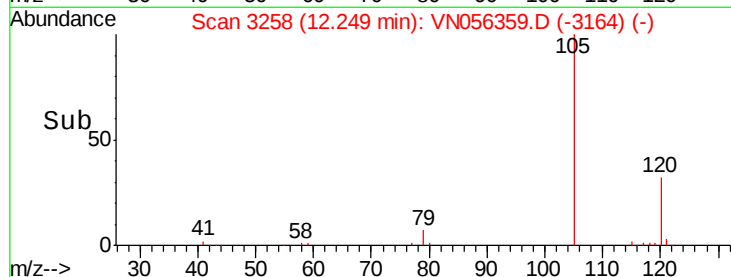
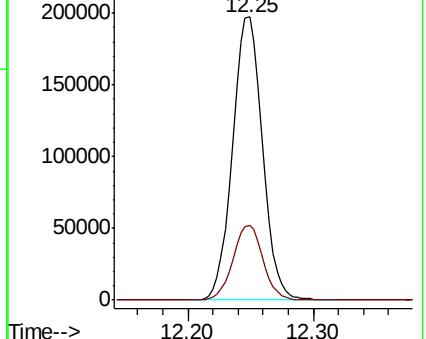
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.623 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Tgt Ion: 43 Resp: 115908

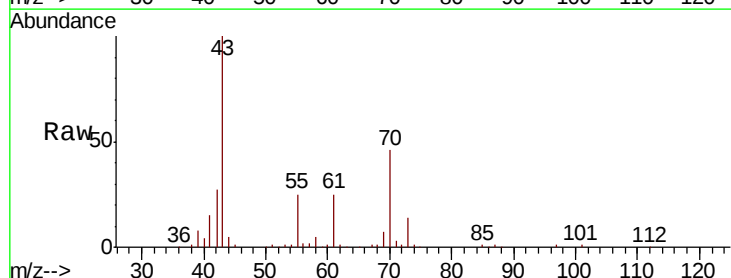
Ion Ratio Lower Upper

43 100

70 44.2 34.2 51.2

55 25.7 19.9 29.9

61 24.5 19.7 29.5

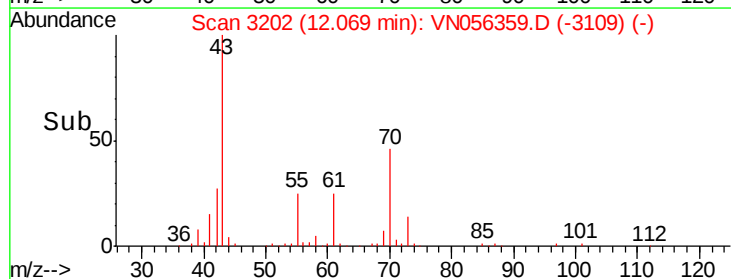
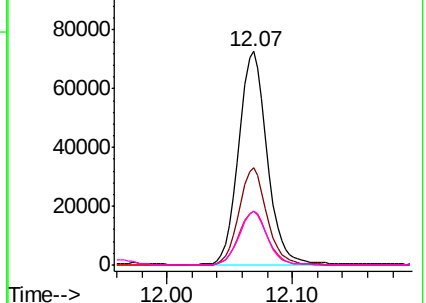


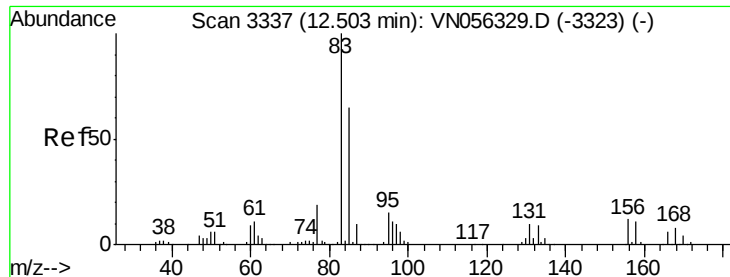
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.807 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

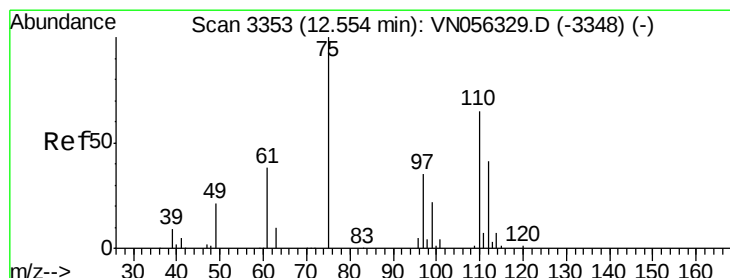
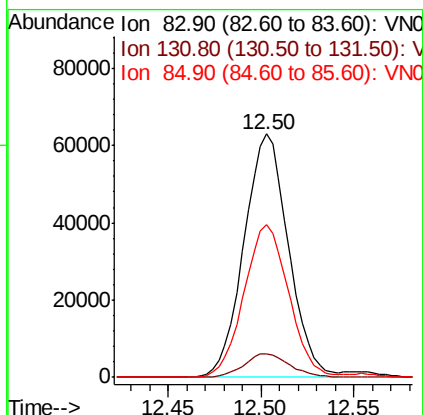
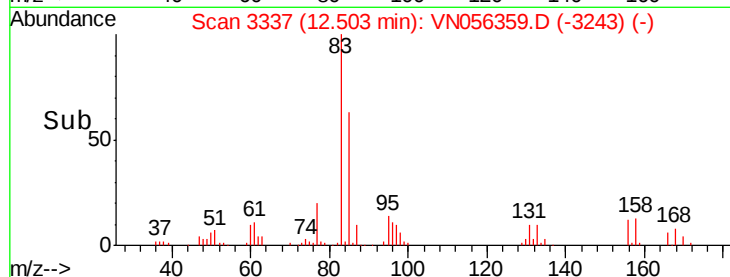
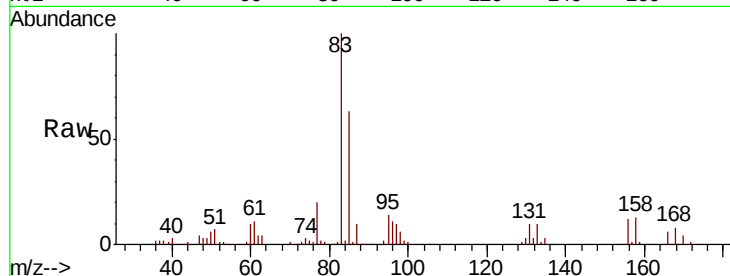
Tot Ion: 83 Resp: 104792

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

85 63.1 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 28.723 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056359.D

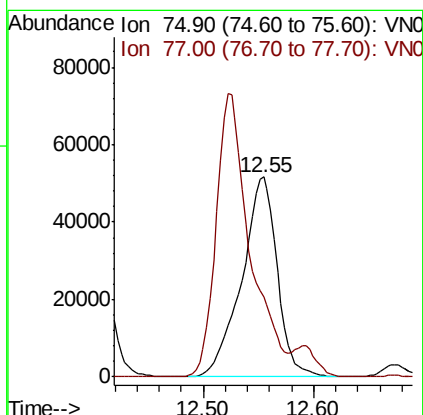
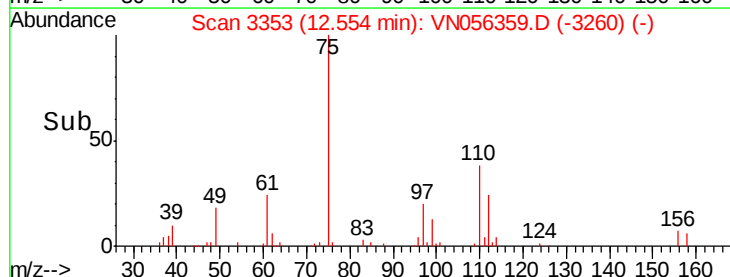
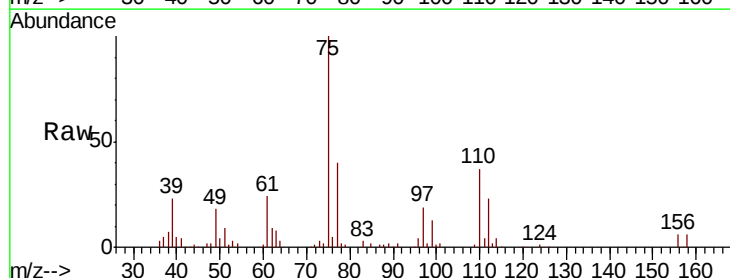
Acq: 18 Jun 2019 12:33

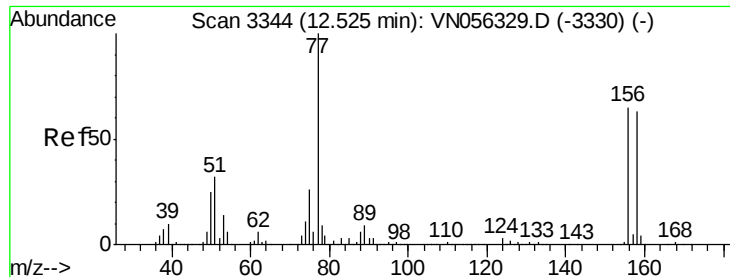
Tgt Ion: 75 Resp: 115347

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.666 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

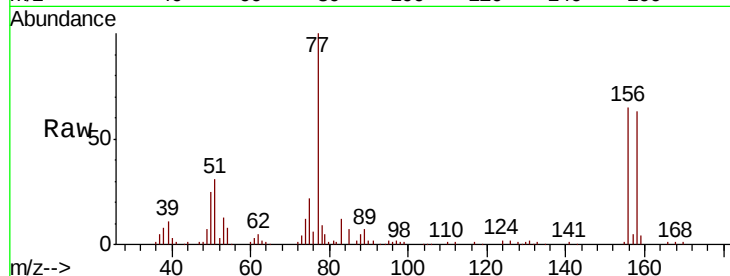
Tot Ion:156 Resp: 83915

Ion Ratio Lower Upper

156 100

77 185.1 92.9 278.7

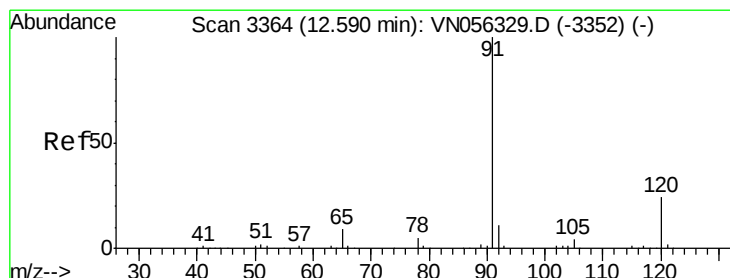
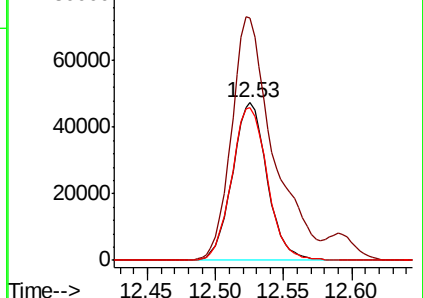
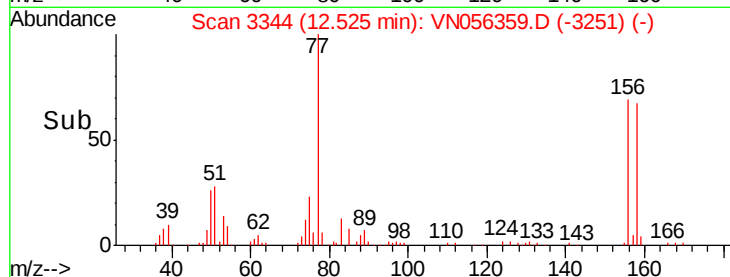
158 99.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.342 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056359.D

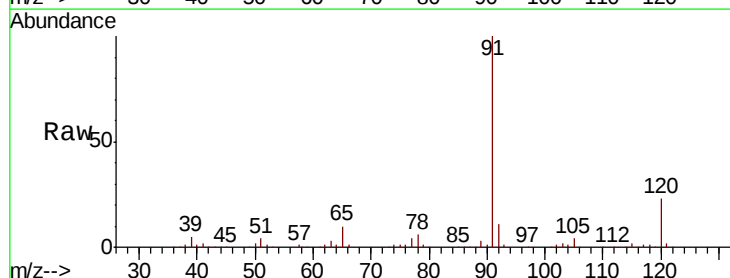
Acq: 18 Jun 2019 12:33

Tgt Ion: 91 Resp: 343203

Ion Ratio Lower Upper

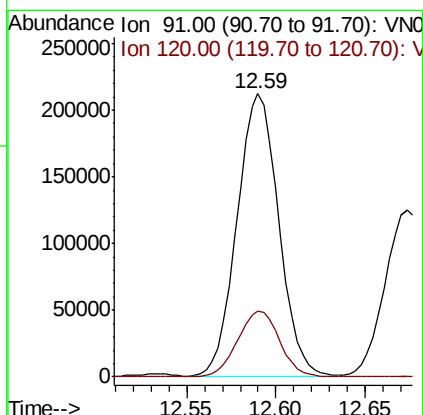
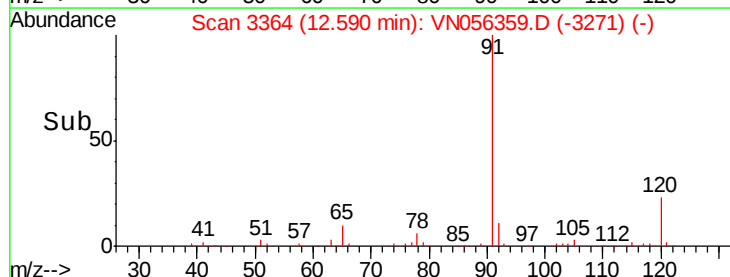
91 100

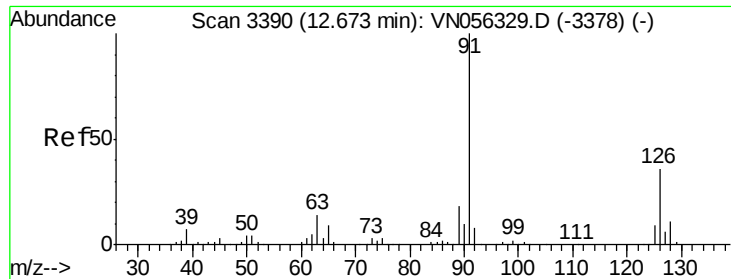
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

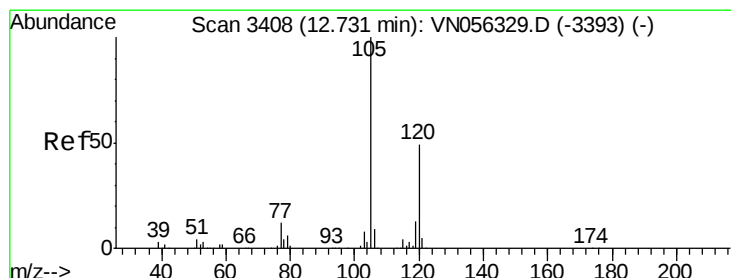
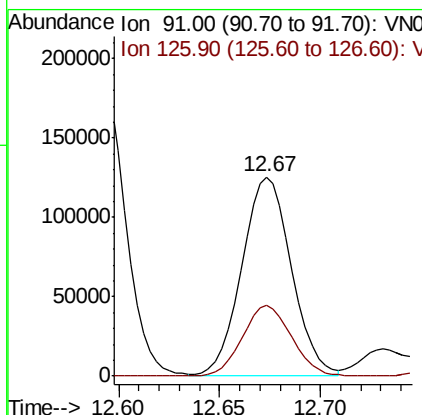
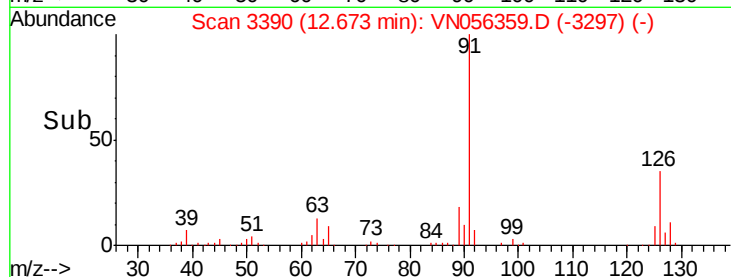
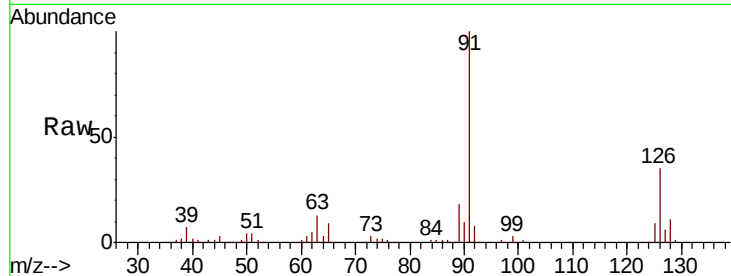




#79
 2-Chlorotoluene
 Concen: 20.999 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

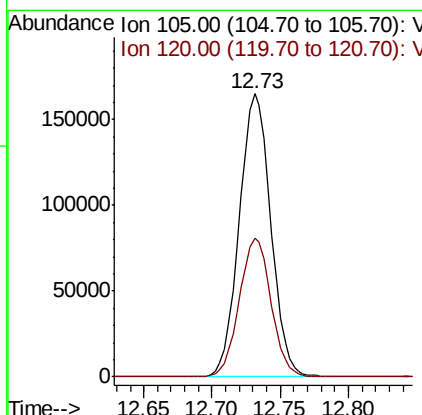
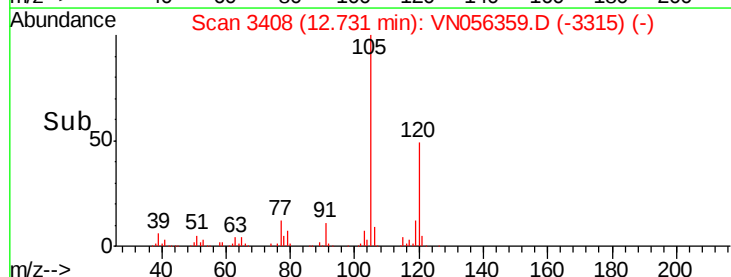
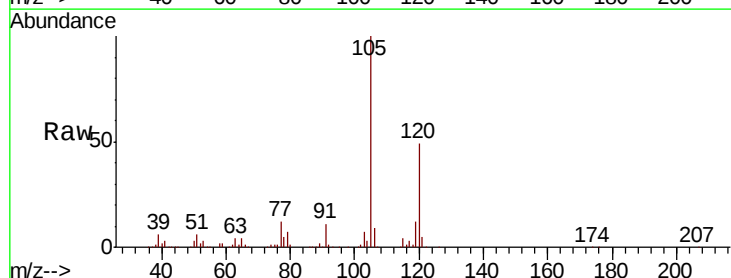
Instrument :
 MSVOA_N
 ClientSampled :

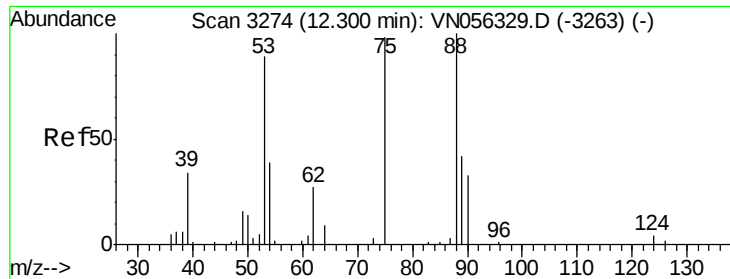
Tot Ion: 91 Resp: 214500
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.0 54.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.187 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion: 105 Resp: 264714
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.938 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

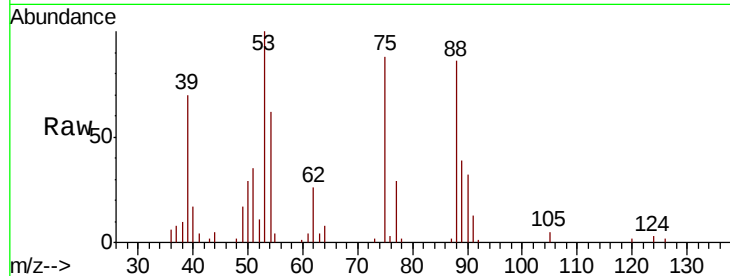
Tot Ion: 75 Resp: 19309

Ion Ratio Lower Upper

75 100

53 116.5 73.5 110.3#

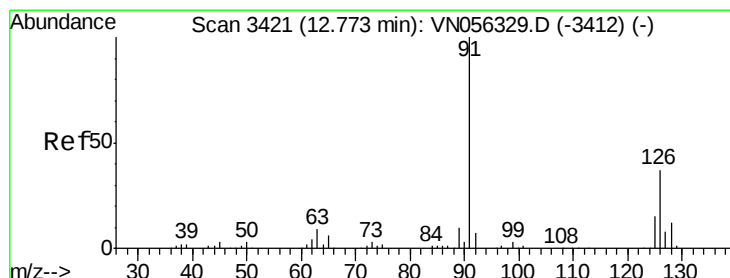
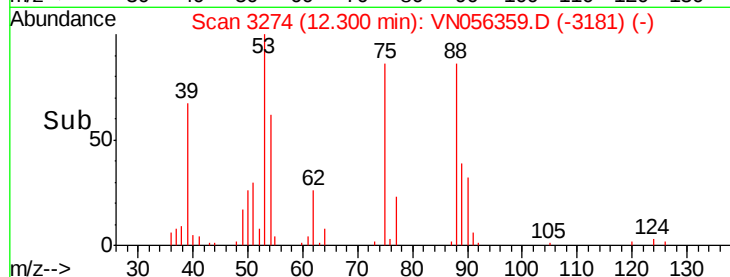
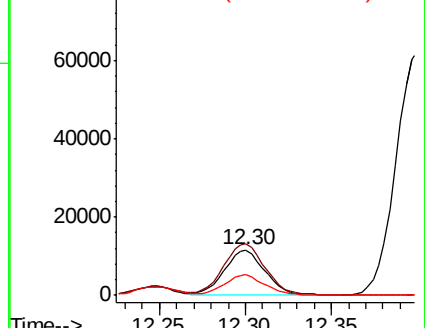
89 43.8 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.020 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056359.D

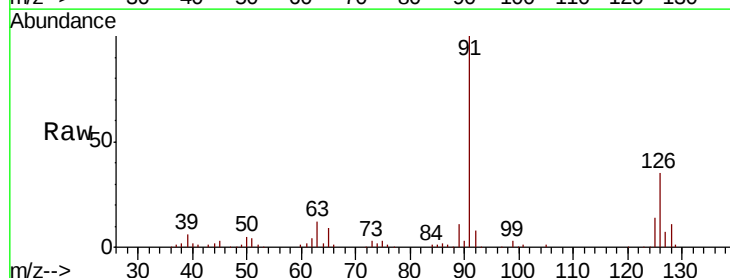
Acq: 18 Jun 2019 12:33

Tgt Ion: 91 Resp: 198280

Ion Ratio Lower Upper

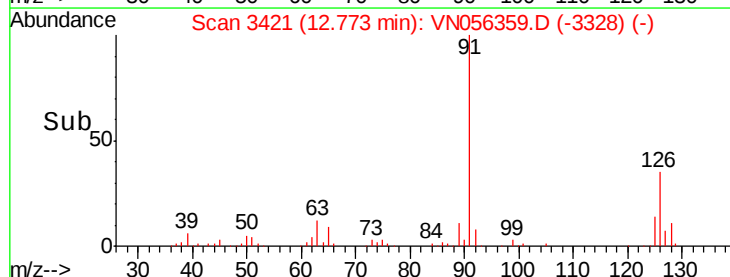
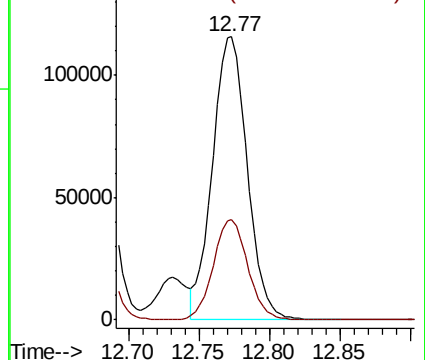
91 100

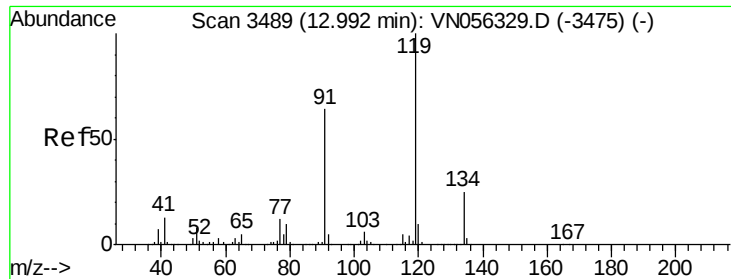
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

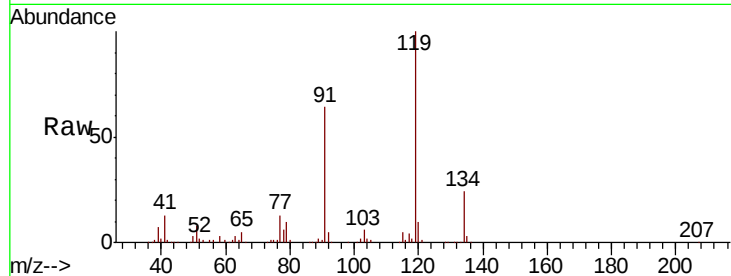




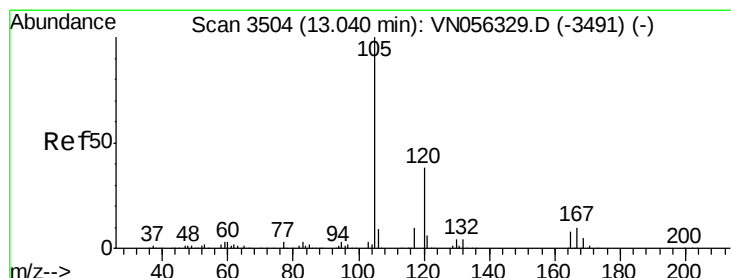
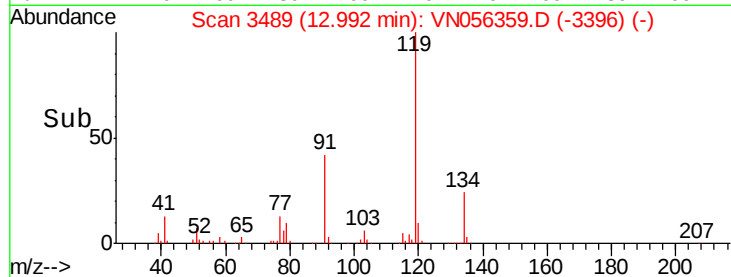
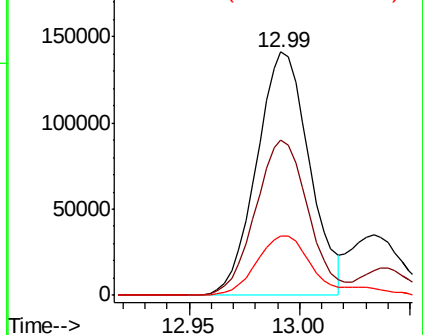
#83
 tert-Butylbenzene
 Concen: 21.134 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 234085
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.5 94.5
 134 27.3 13.6 40.7

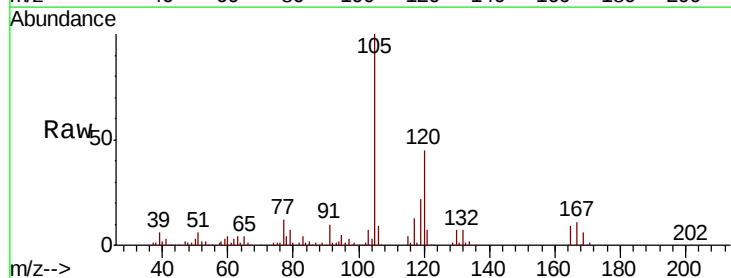


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

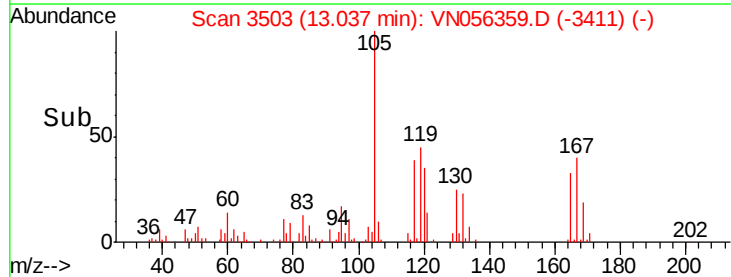
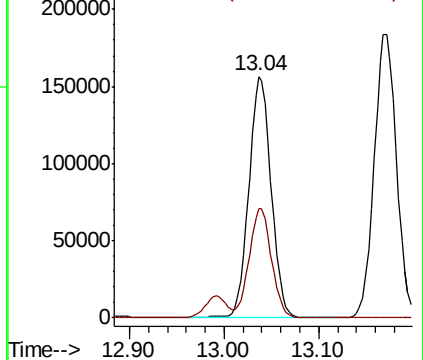


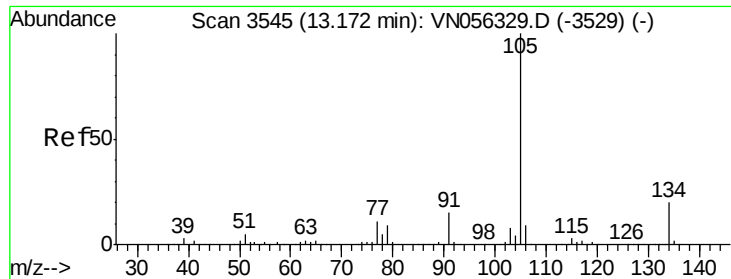
#84
 1,2,4-Trimethylbenzene
 Concen: 20.973 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion:105 Resp: 256104
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.2



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

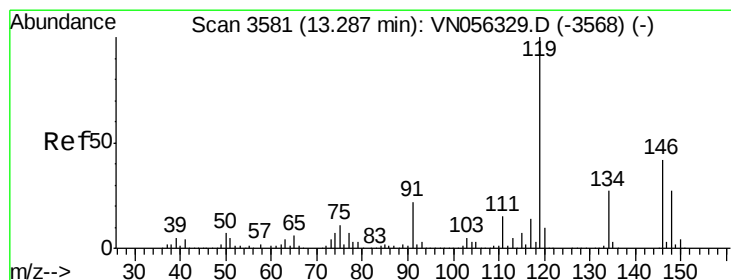
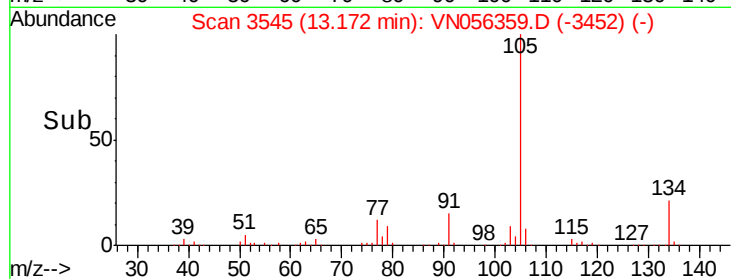
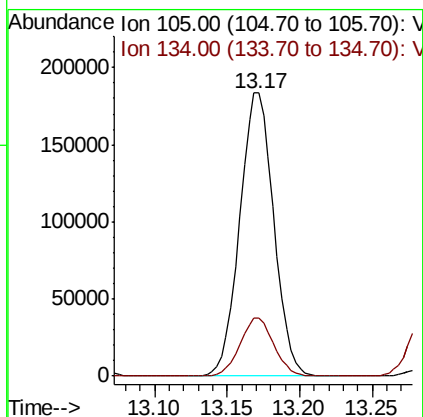
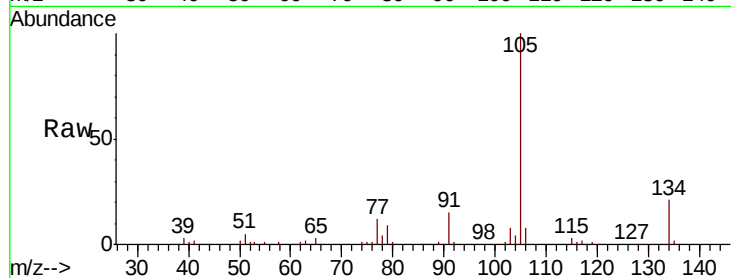




#85
 sec-Butylbenzene
 Concen: 20.235 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

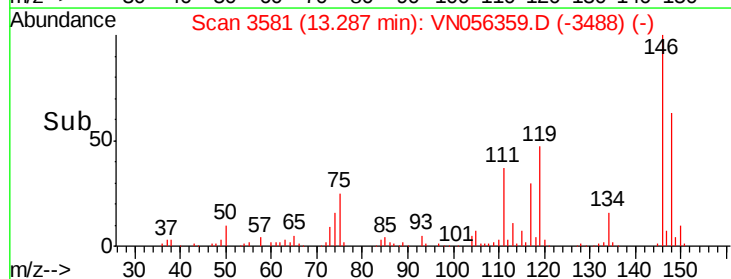
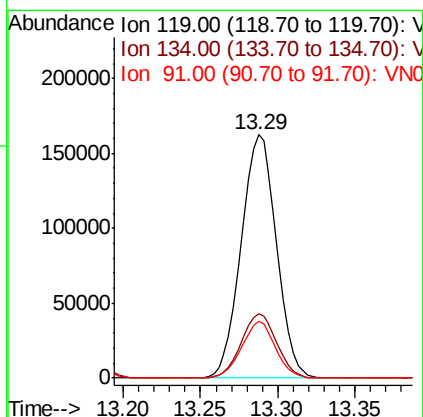
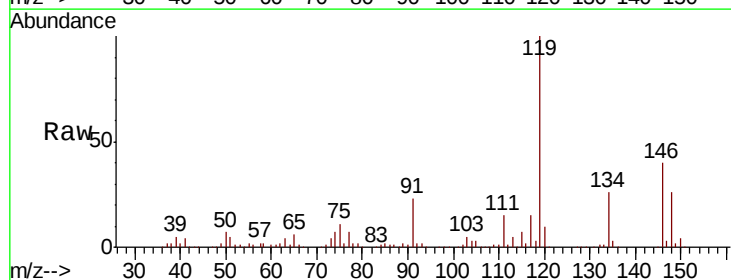
Instrument :
 MSVOA_N
 ClientSampleId :

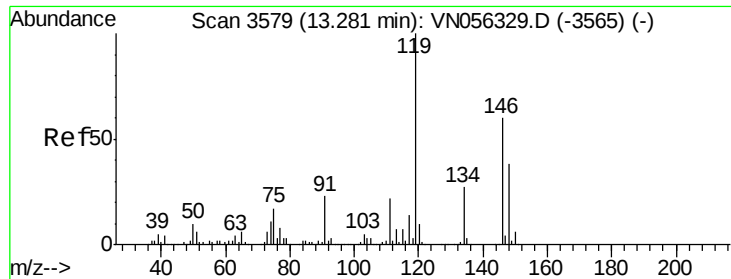
Tot Ion:105 Resp: 299439
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.294 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion:119 Resp: 257058
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 22.4 11.0 33.0

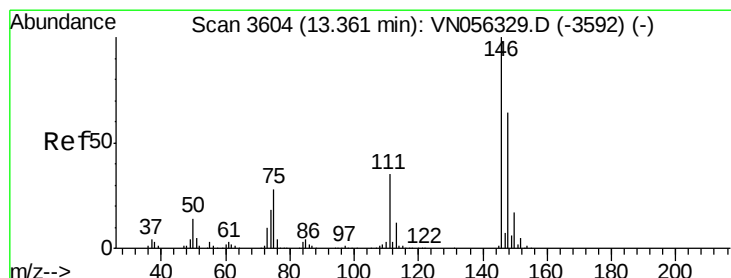
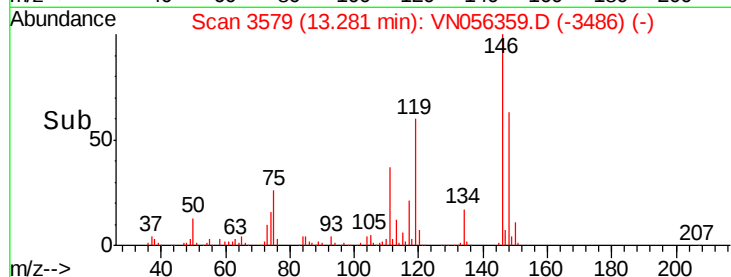
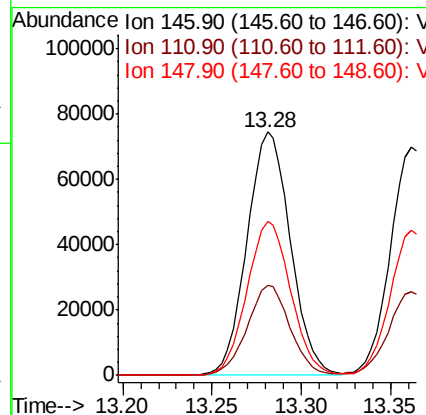
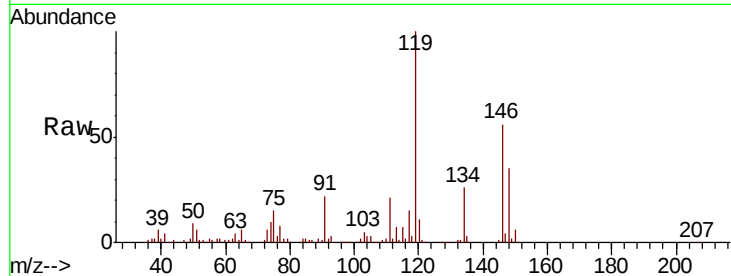




#87
 1,3-Dichlorobenzene
 Concen: 19.882 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

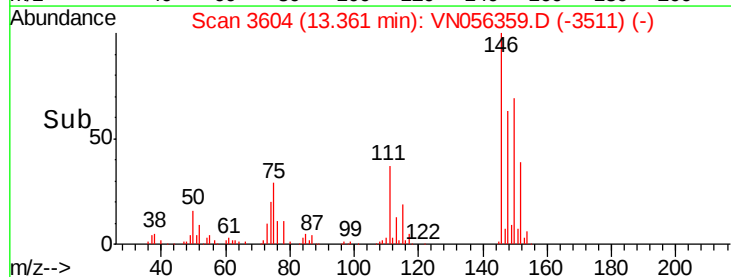
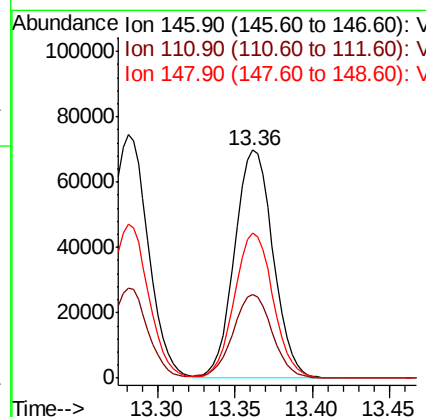
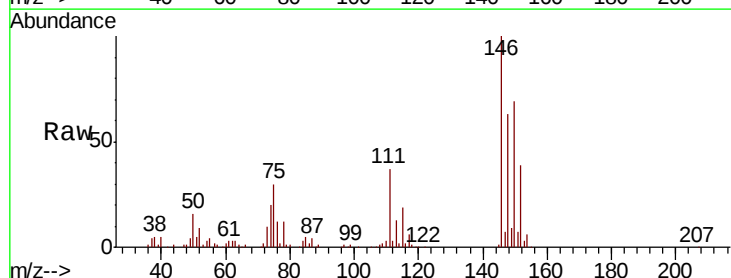
Instrument :
 MSVOA_N
 ClientSampled :

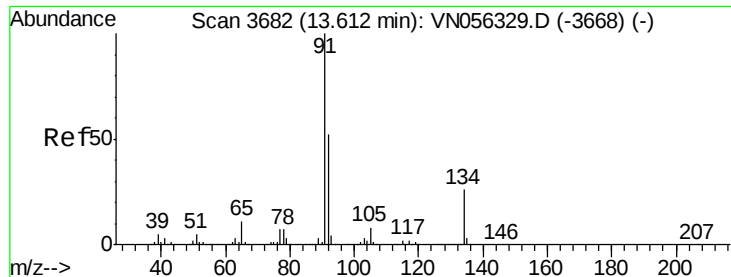
Tot Ion:146 Resp: 127200
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.9 56.7
 148 63.6 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.621 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion:146 Resp: 120620
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.1 54.1
 148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 18.969 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

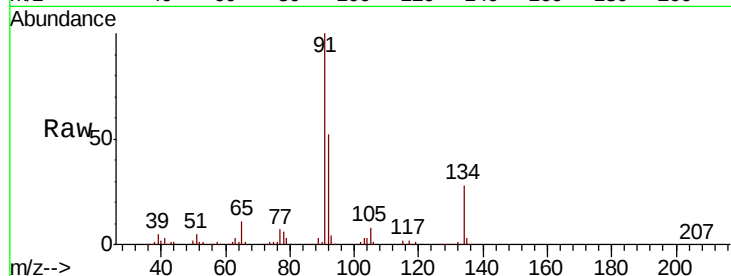
Tot Ion: 91 Resp: 179639

Ion Ratio Lower Upper

91 100

92 51.4 26.0 78.0

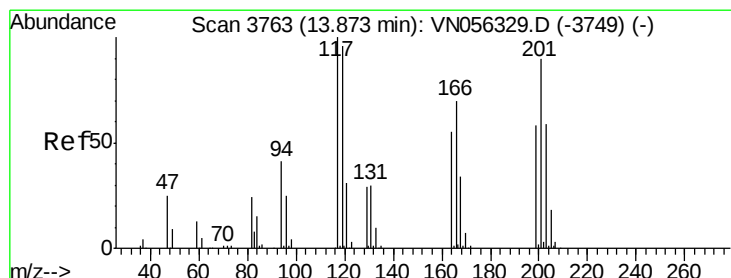
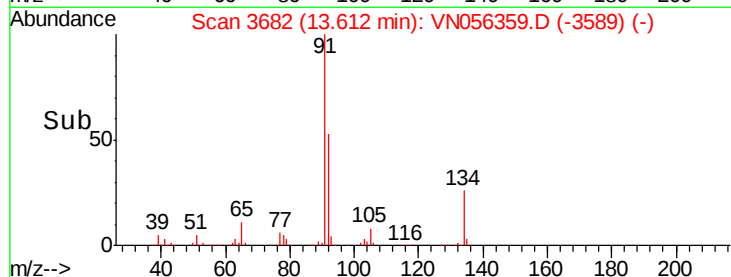
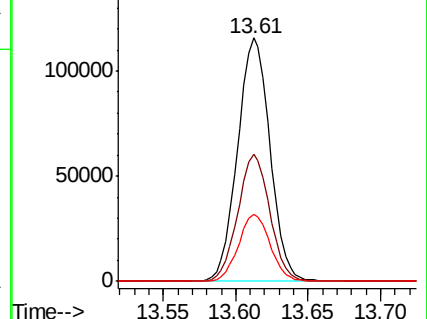
134 27.0 13.2 39.5



Abundance Ion 91.00 (90.70 to 91.70): VN056329.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN056329.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN056329.D (-3668) (-)



#90

Hexachloroethane

Concen: 15.925 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056359.D

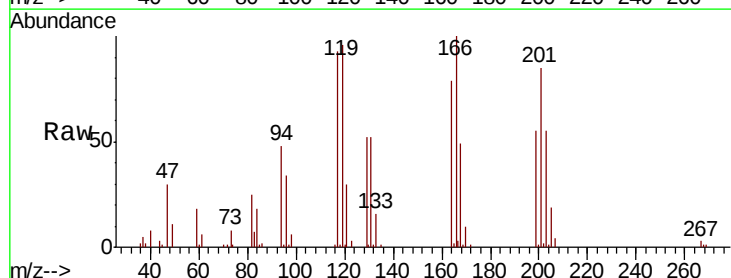
Acq: 18 Jun 2019 12:33

Tgt Ion: 117 Resp: 37912

Ion Ratio Lower Upper

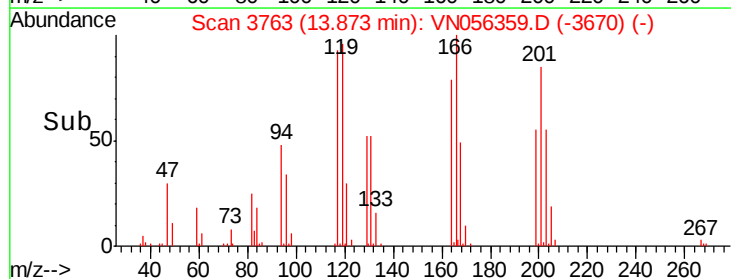
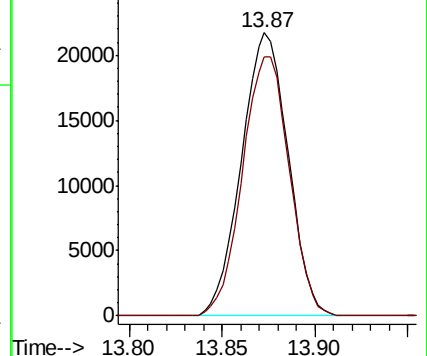
117 100

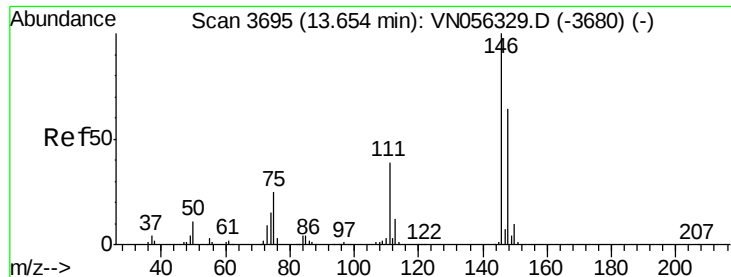
201 91.9 45.8 137.3



Abundance Ion 116.80 (116.50 to 117.50): VN056329.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056329.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 20.328 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampled :

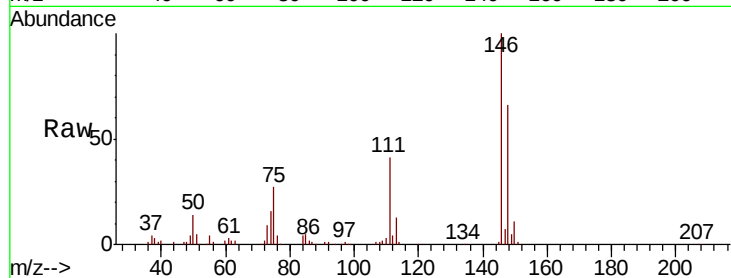
Tot Ion:146 Resp: 127350

Ion Ratio Lower Upper

146 100

111 39.6 19.4 58.2

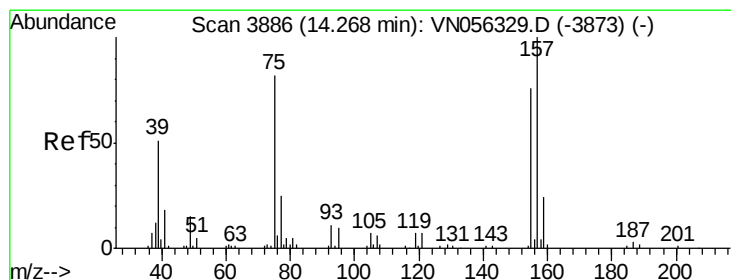
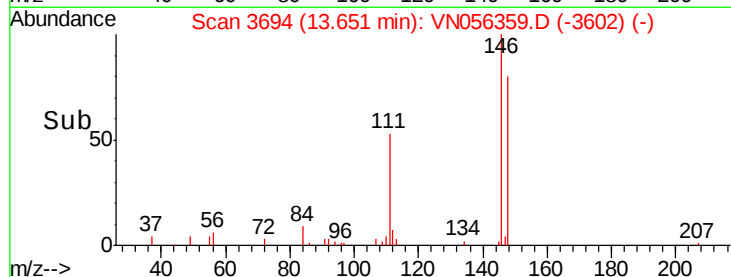
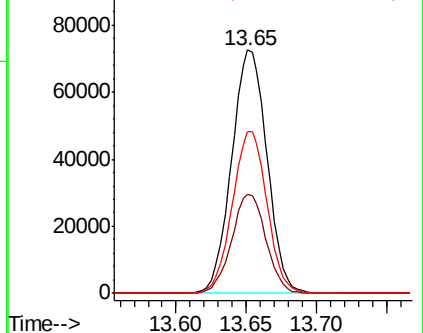
148 65.1 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.097 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

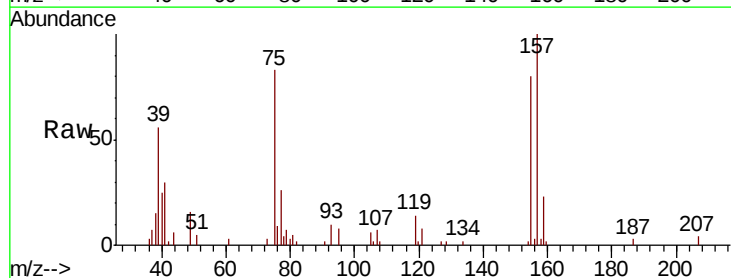
Tgt Ion: 75 Resp: 13886

Ion Ratio Lower Upper

75 100

155 98.6 47.8 143.4

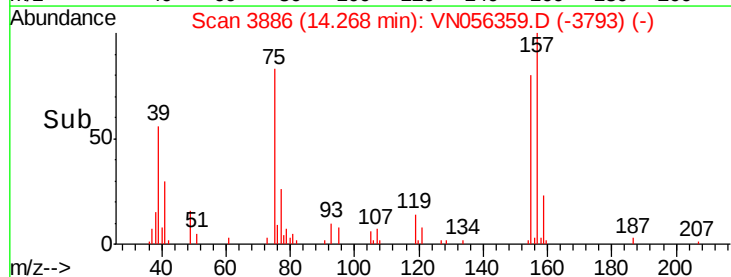
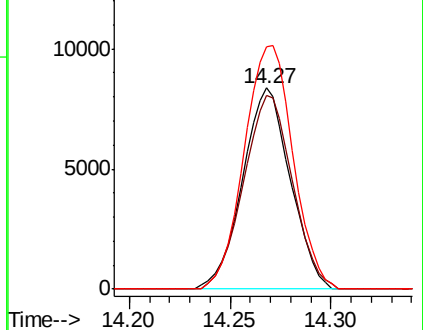
157 123.9 62.8 188.5

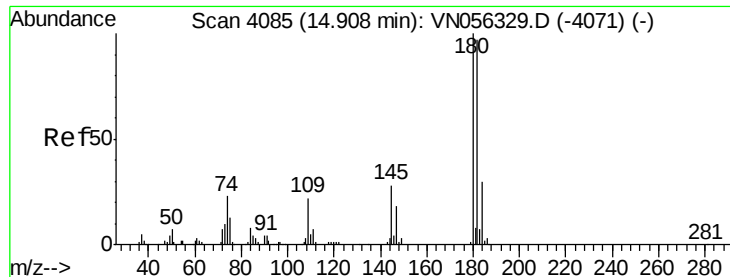


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

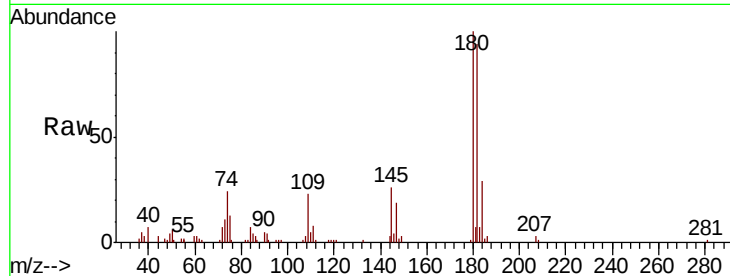




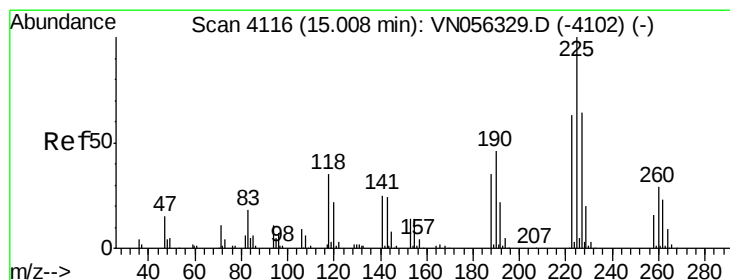
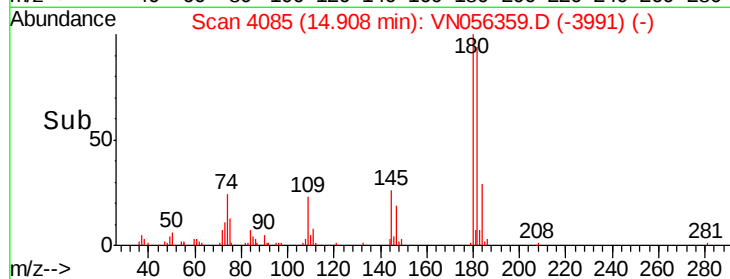
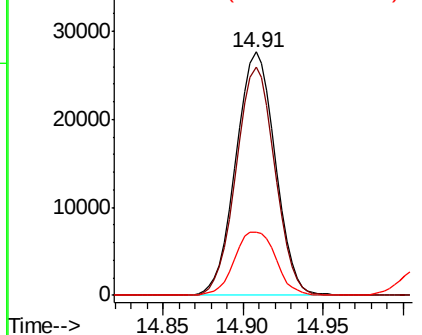
#93
 1,2,4-Trichlorobenzene
 Concen: 18.021 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 46345
 Ion Ratio Lower Upper
 180 100
 182 92.0 47.4 142.3
 145 27.3 14.0 41.9

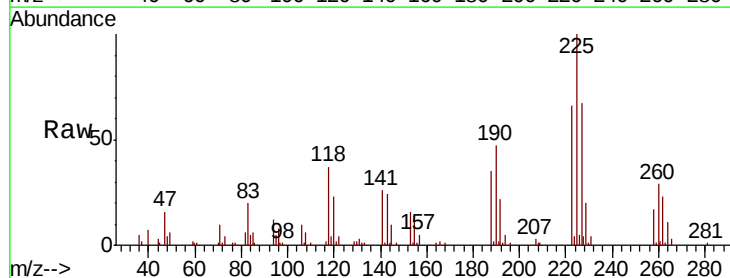


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

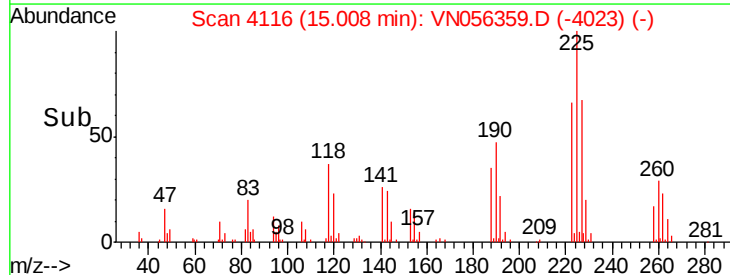
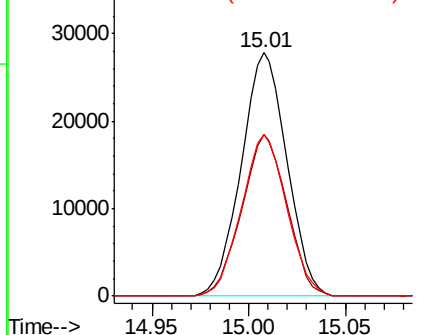


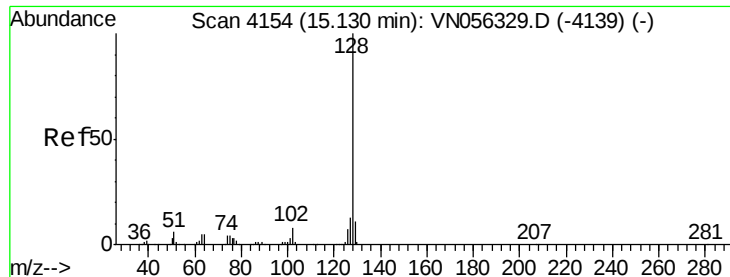
#94
 Hexachlorobutadiene
 Concen: 19.858 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056359.D
 Acq: 18 Jun 2019 12:33

Tgt Ion:225 Resp: 45755
 Ion Ratio Lower Upper
 225 100
 223 65.2 31.2 93.6
 227 65.6 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.030 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

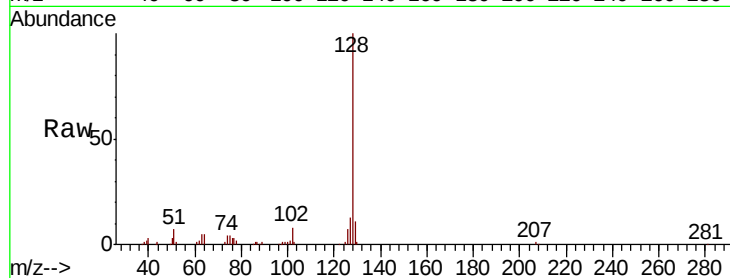
Tot Ion:128 Resp: 126785

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

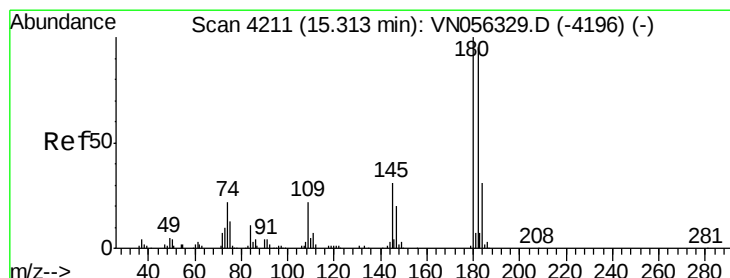
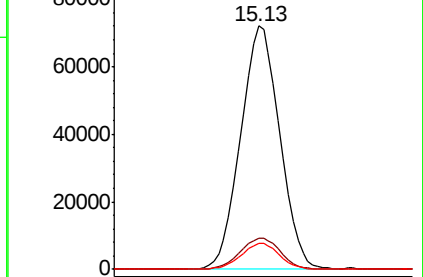
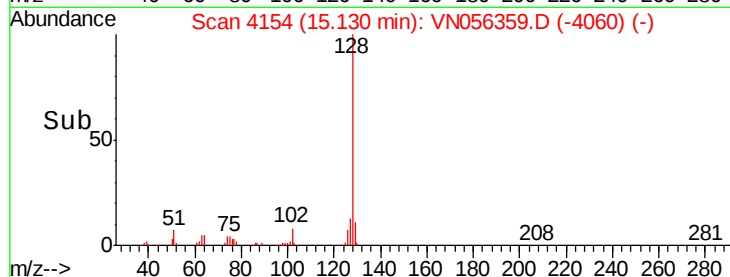
129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.367 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056359.D

Acq: 18 Jun 2019 12:33

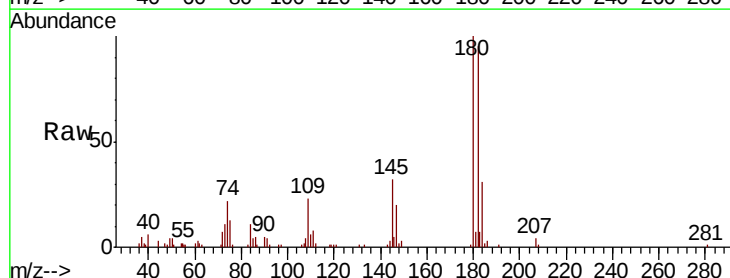
Tgt Ion:180 Resp: 53755

Ion Ratio Lower Upper

180 100

182 94.2 47.1 141.4

145 30.4 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

