

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055753.D
 Acq On : 23 May 2019 14:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 24 06:47:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	379707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	528317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	186515	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.59	113	168441	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.09	98	642257	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	225168	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	115796	45.313	ug/l	96
3) Chloromethane	2.06	50	161263	45.040	ug/l	99
4) Vinyl Chloride	2.18	62	173015	45.305	ug/l	100
5) Bromomethane	2.53	94	114431	47.896	ug/l	100
6) Chloroethane	2.68	64	107880	46.920	ug/l	99
7) Trichlorofluoromethane	3.00	101	236739	47.284	ug/l	100
8) Diethyl Ether	3.40	74	102861	45.838	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	152320	48.737	ug/l	100
10) Methyl Iodide	3.94	142	221968	48.578	ug/l	100
11) Tert butyl alcohol	4.81	59	178084	237.689	ug/l	99
12) 1,1-Dichloroethene	3.72	96	149741	46.370	ug/l	98
13) Acrolein	3.60	56	116455	217.072	ug/l	99
14) Allyl chloride	4.31	41	258171	46.635	ug/l	100
15) Acrylonitrile	4.99	53	399479	232.197	ug/l	99
16) Acetone	3.82	43	409413	237.517	ug/l	98
17) Carbon Disulfide	4.04	76	415148	45.248	ug/l	99
18) Methyl Acetate	4.32	43	165522	47.163	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	498709	46.304	ug/l	100
20) Methylene Chloride	4.54	84	169472	45.398	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	161626	46.587	ug/l	99
22) Diisopropyl ether	5.95	45	494979	45.971	ug/l	99
23) Vinyl Acetate	5.89	43	2171829	235.257	ug/l	100
24) 1,1-Dichloroethane	5.84	63	288666	46.046	ug/l	100
25) 2-Butanone	6.84	43	567746	235.842	ug/l	100
26) 2,2-Dichloropropane	6.82	77	255483	47.089	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	190395	47.039	ug/l	99
28) Bromochloromethane	7.19	49	141501	47.407	ug/l	97
29) Tetrahydrofuran	7.21	42	346640	227.382	ug/l	99
30) Chloroform	7.37	83	293197	46.896	ug/l	100
31) Cyclohexane	7.65	56	274690	46.670	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	262382	47.030	ug/l	99
36) 1,1-Dichloropropene	7.79	75	221726	48.159	ug/l	100
37) Ethyl Acetate	6.93	43	217867	48.961	ug/l	99
38) Carbon Tetrachloride	7.77	117	236945	49.407	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	288551	50.611	ug/l	99
40) Benzene	8.04	78	675121	48.655	ug/l	99
41) Methacrylonitrile	7.17	41	106614	47.425	ug/l	98
42) 1,2-Dichloroethane	8.12	62	219959	48.512	ug/l	99
43) Isopropyl Acetate	8.17	43	360317	48.193	ug/l #	92
44) Trichloroethene	8.83	130	198313	51.266	ug/l	99
45) 1,2-Dichloropropane	9.12	63	177321	49.048	ug/l	100
46) Dibromomethane	9.21	93	119180	50.267	ug/l	99
47) Bromodichloromethane	9.40	83	235564	48.454	ug/l	100
48) Methyl methacrylate	9.20	41	167500	48.611	ug/l	98
49) 1,4-Dioxane	9.20	88	72370	1010.682	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1079624	244.501	ug/l	100
52) Toluene	10.16	92	434584	49.798	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	262087	50.504	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	287530	50.015	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	172711	49.401	ug/l	99
56) Ethyl methacrylate	10.43	69	271336	50.219	ug/l	99
57) 1,3-Dichloropropane	10.71	76	279649	49.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	528801	256.098	ug/l	99
59) 2-Hexanone	10.75	43	781290	249.416	ug/l	100
60) Dibromochloromethane	10.90	129	208327	51.152	ug/l	100
61) 1,2-Dibromoethane	11.00	107	180151	49.679	ug/l	99
64) Tetrachloroethene	10.63	164	196948	49.146	ug/l	98
65) Chlorobenzene	11.43	112	471687	49.590	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	184248	48.568	ug/l	99
67) Ethyl Benzene	11.51	91	833062	48.839	ug/l	99
68) m/p-Xylenes	11.62	106	644730	99.981	ug/l	100
69) o-Xylene	11.95	106	316217	49.426	ug/l	99
70) Styrene	11.96	104	534255	51.566	ug/l	100
71) Bromoform	12.13	173	163560	50.546	ug/l #	99
73) Isopropylbenzene	12.25	105	832449	51.562	ug/l	99
74) N-amyl acetate	12.07	43	301510	48.931	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	241676	50.494	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	301263	78.776	ug/l #	100
77) Bromobenzene	12.53	156	224876	46.357	ug/l	97
78) n-propylbenzene	12.59	91	914275	46.274	ug/l	99
79) 2-Chlorotoluene	12.67	91	543885	51.164	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	699977	51.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	79737	47.194	ug/l	99
82) 4-Chlorotoluene	12.77	91	539566	46.457	ug/l	100
83) tert-Butylbenzene	12.99	119	613383	52.271	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	695036	51.203	ug/l	99
85) sec-Butylbenzene	13.17	105	794458	52.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	742804	47.051	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	372186	48.454	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	362187	49.595	ug/l	99
89) n-Butylbenzene	13.61	91	590927	48.852	ug/l	99
90) Hexachloroethane	13.87	117	136353	45.377	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	363578	47.443	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43818	43.502	ug/l	95

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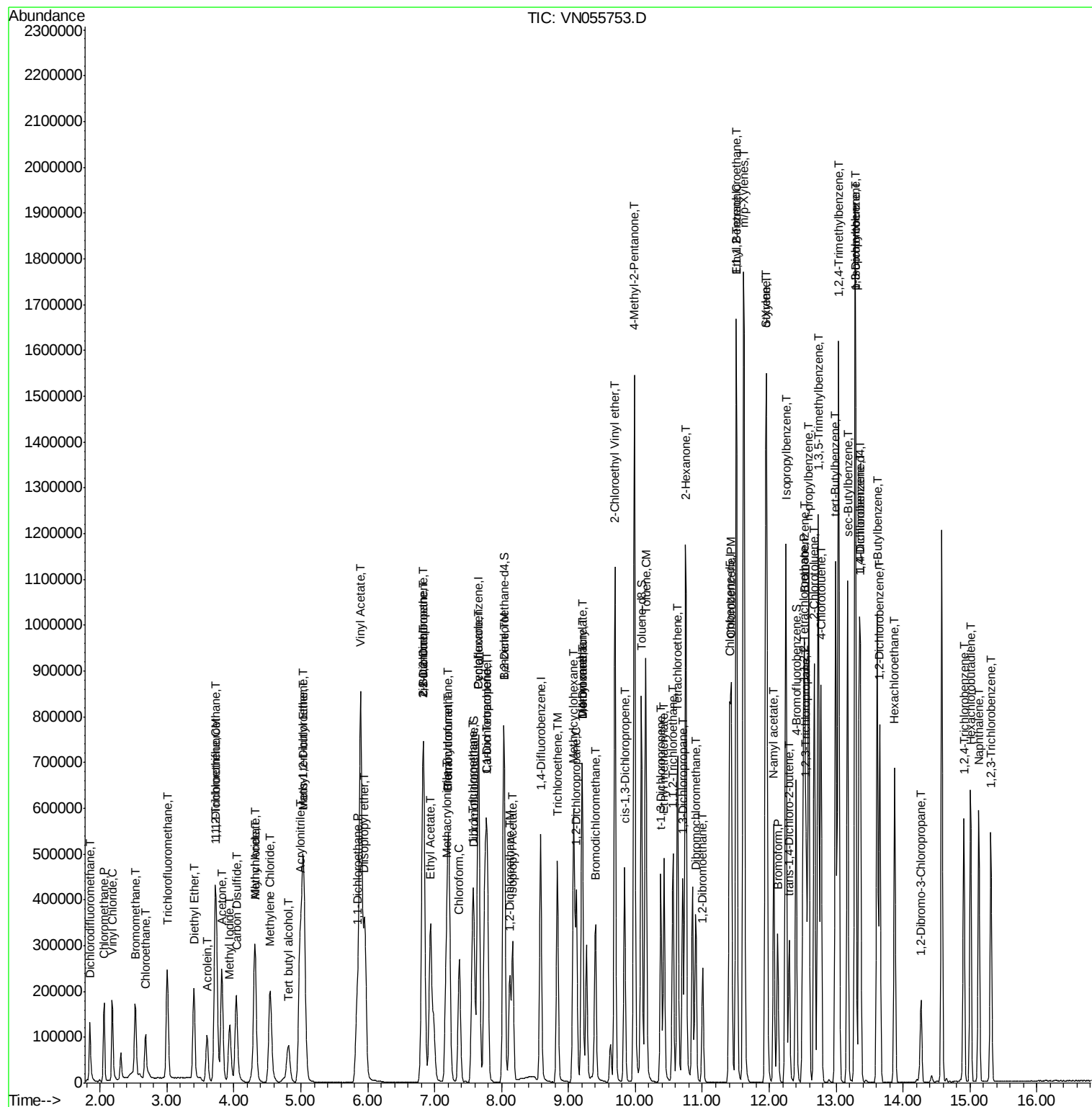
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209157	47.623	ug/l	99
94) Hexachlorobutadiene	15.01	225	146531	54.495	ug/l	99
95) Naphthalene	15.13	128	535883	50.959	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	212762	52.521	ug/l	99

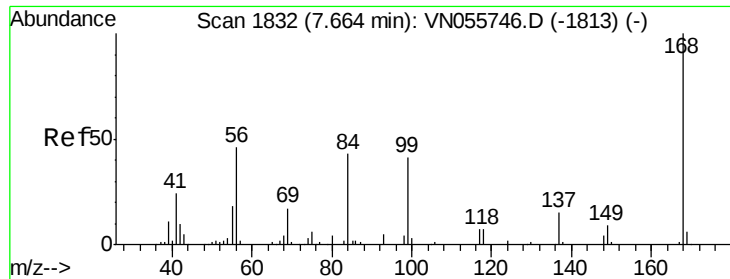
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
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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: VN055753.D

Acq: 23 May 2019 14:56

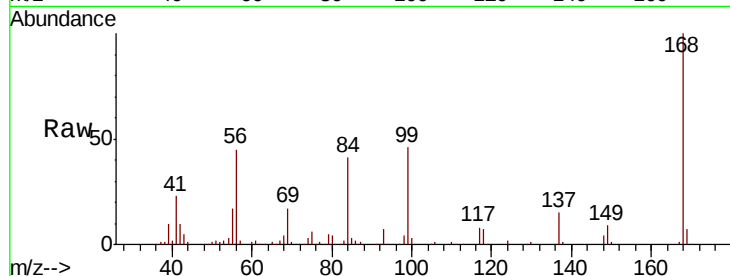
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 379707

Ion Ratio Lower Upper

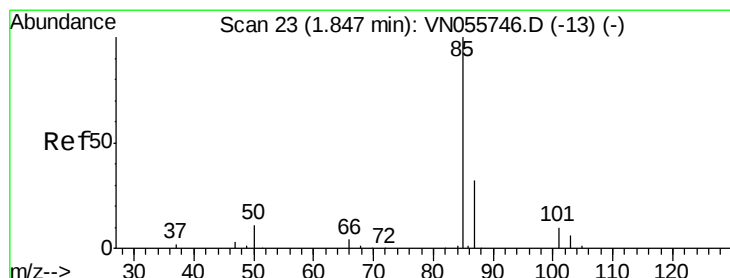
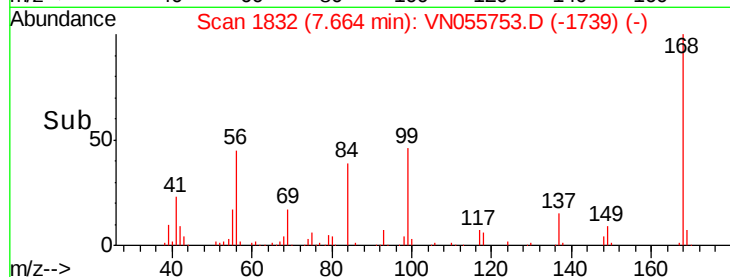
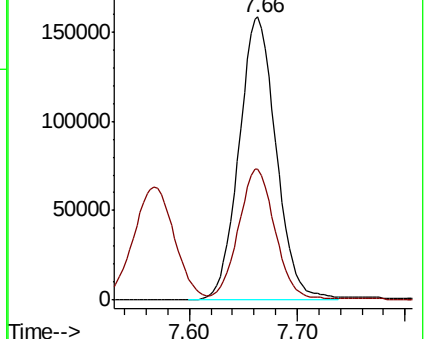
168 100

99 45.5 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 45.313 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055753.D

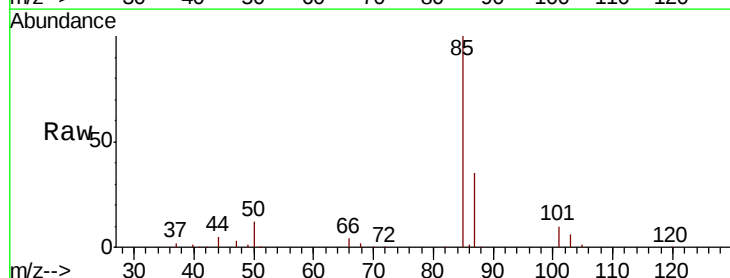
Acq: 23 May 2019 14:56

Tgt Ion: 85 Resp: 115796

Ion Ratio Lower Upper

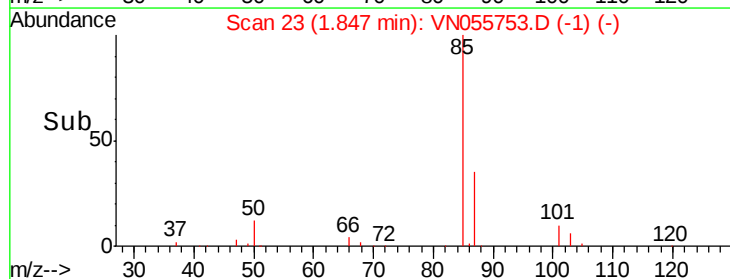
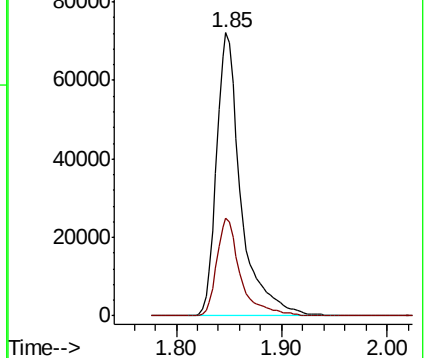
85 100

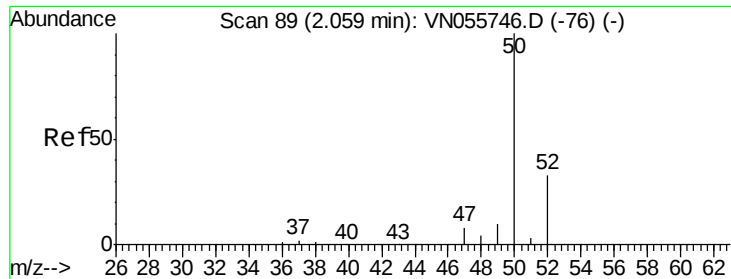
87 34.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 45.040 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

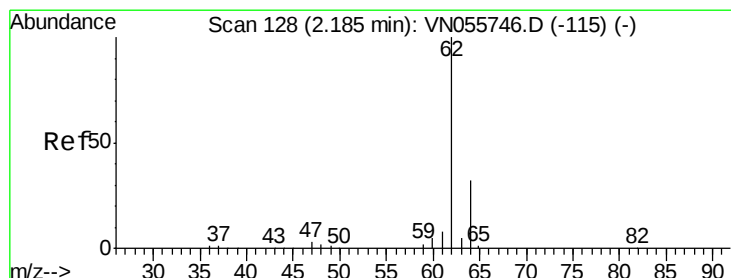
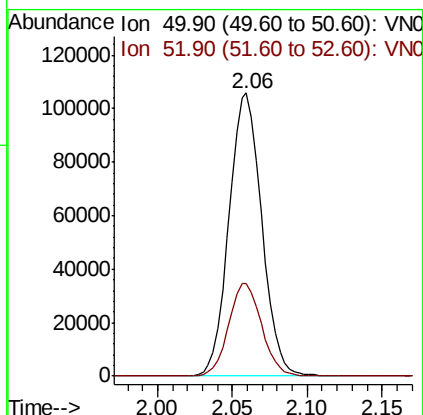
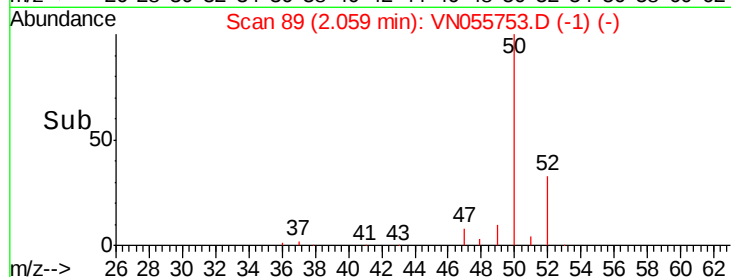
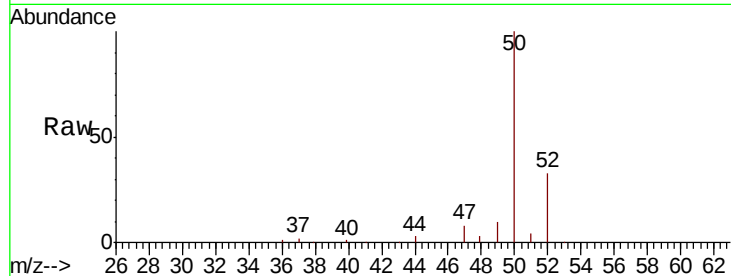
ClientSampled :

Tot Ion: 50 Resp: 161263

Ion Ratio Lower Upper

50 100

52 32.9 26.6 40.0



#4

Vinyl Chloride

Concen: 45.305 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055753.D

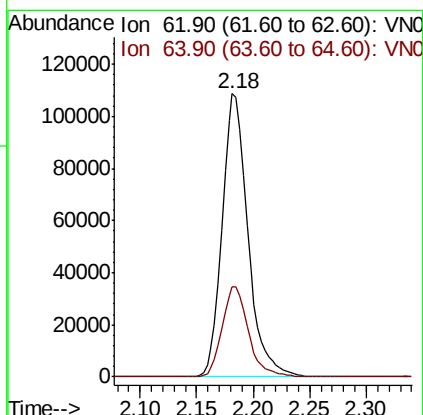
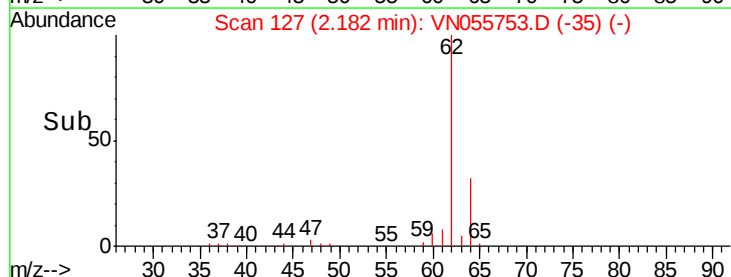
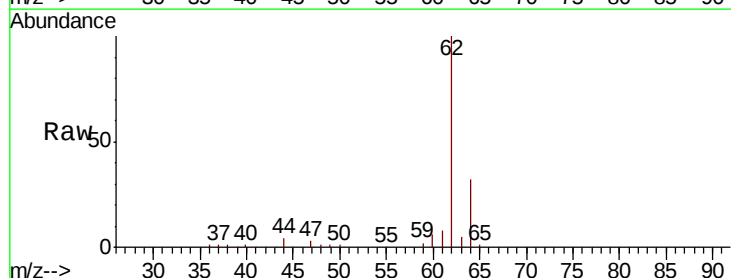
Acq: 23 May 2019 14:56

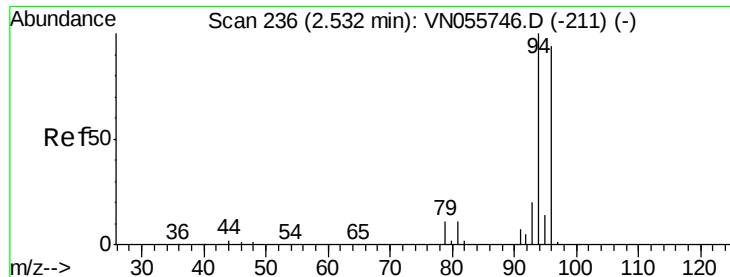
Tgt Ion: 62 Resp: 173015

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 47.896 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

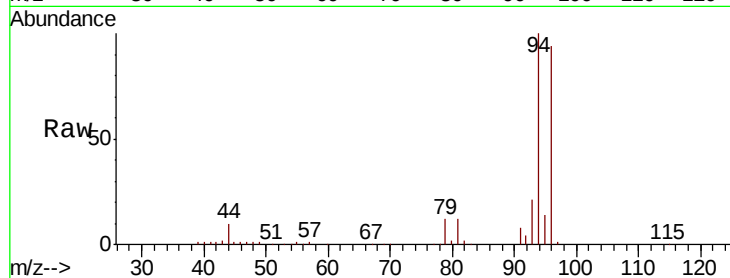
ClientSampleId :

Tot Ion: 94 Resp: 114431

Ion Ratio Lower Upper

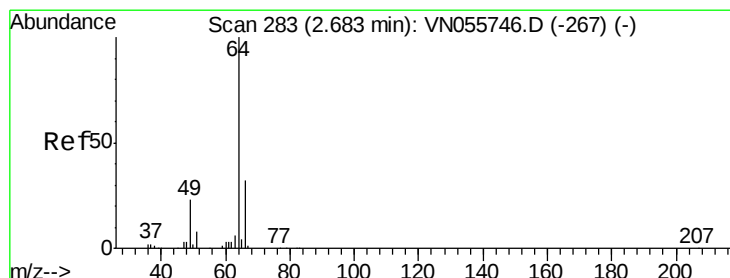
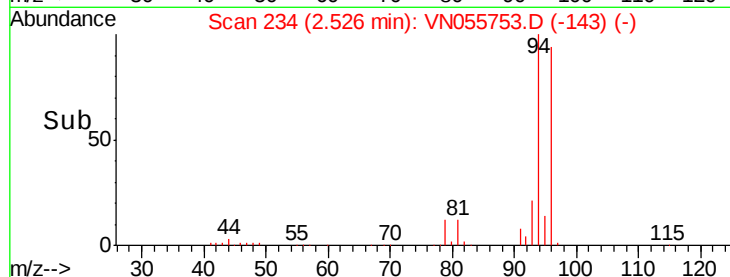
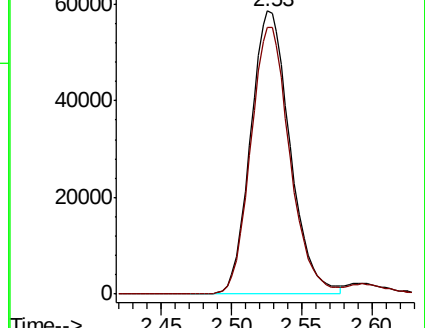
94 100

96 94.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN055746.D (-211) (-)

Ion 95.90 (95.60 to 96.60): VN055746.D (-211) (-)



#6

Chloroethane

Concen: 46.920 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055753.D

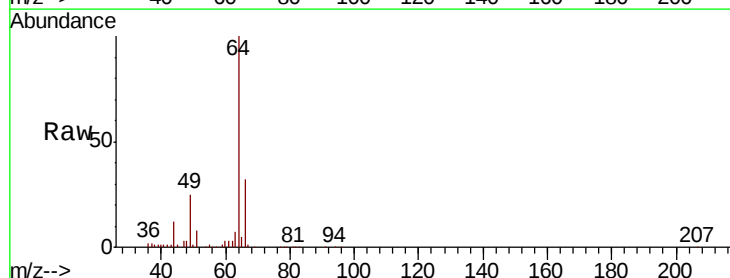
Acq: 23 May 2019 14:56

Tgt Ion: 64 Resp: 107880

Ion Ratio Lower Upper

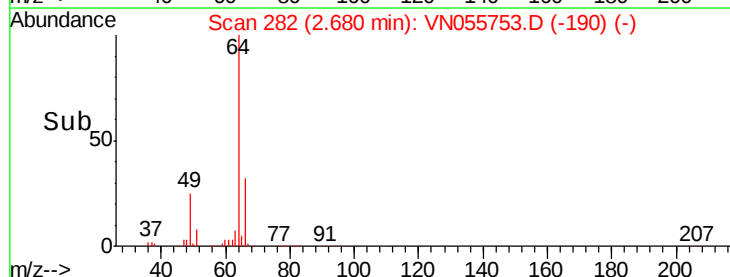
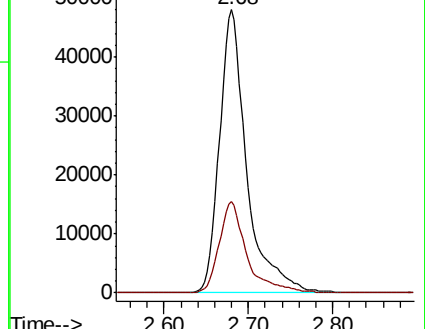
64 100

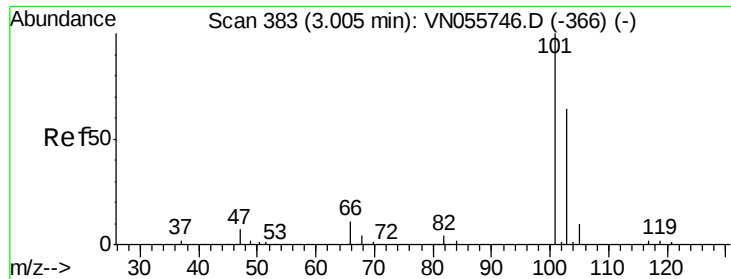
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN055746.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN055746.D (-267) (-)



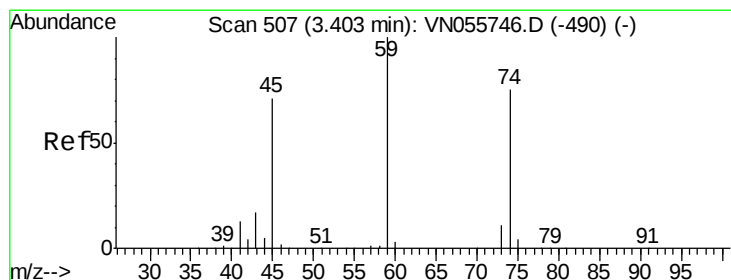
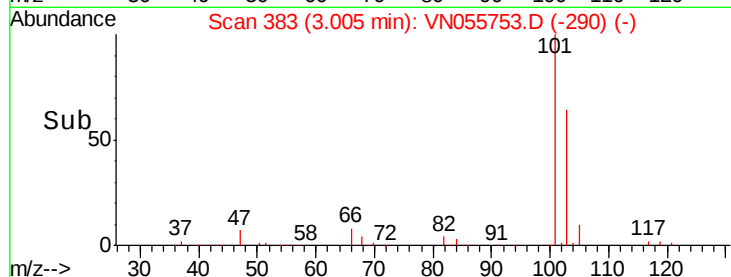
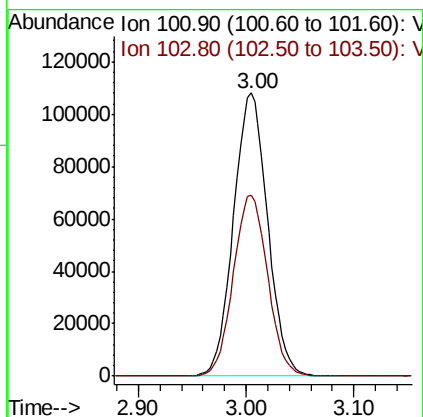
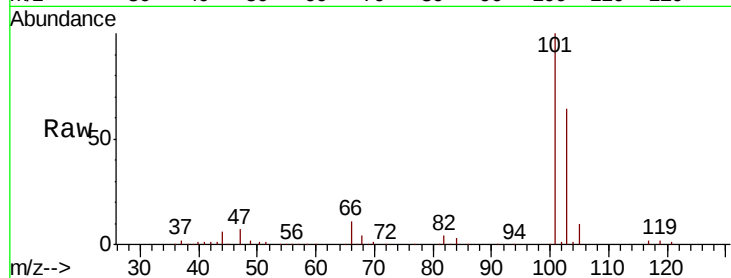


#7

Trichlorofluoromethane
Concen: 47.284 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

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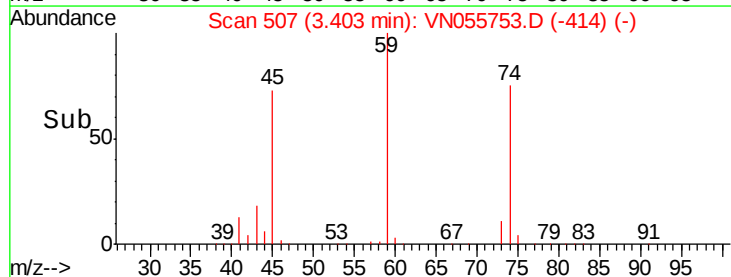
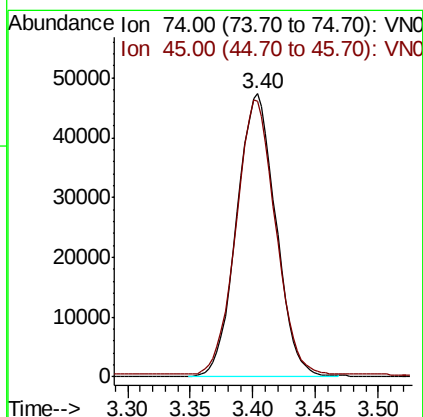
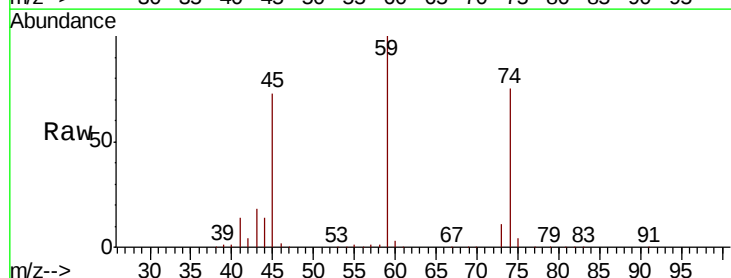
Tot Ion:101 Resp: 236739
Ion Ratio Lower Upper
101 100
103 64.0 51.2 76.8

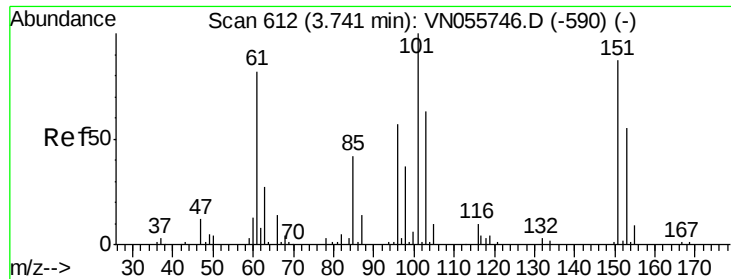


#8

Diethyl Ether
Concen: 45.838 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 74 Resp: 102861
Ion Ratio Lower Upper
74 100
45 97.3 48.6 145.9

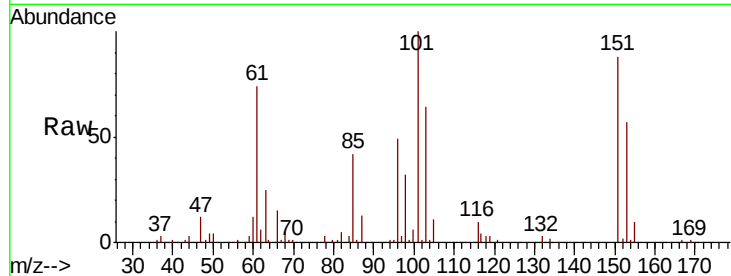




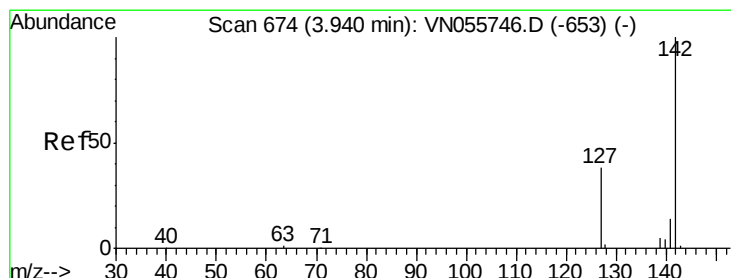
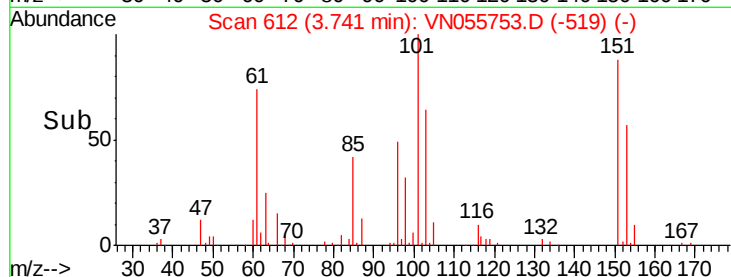
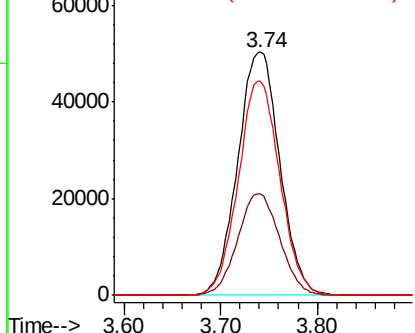
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.737 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 152320
 Ion Ratio Lower Upper
 101 100
 85 41.8 33.4 50.2
 151 87.0 69.4 104.2

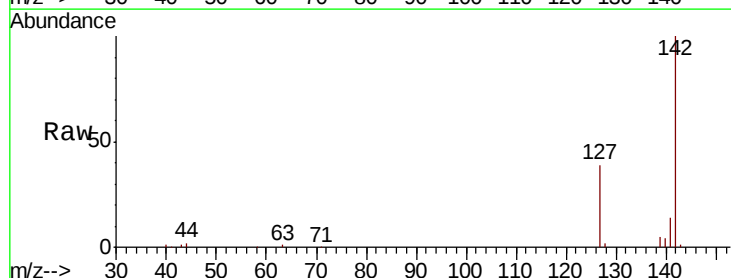


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

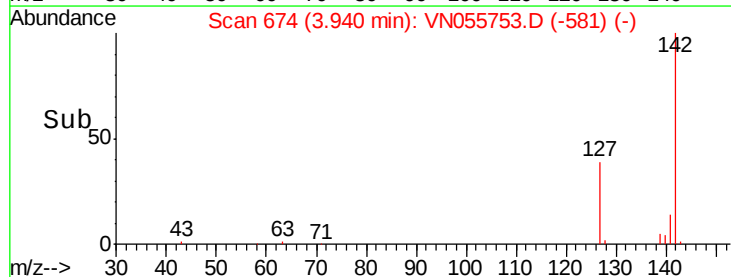
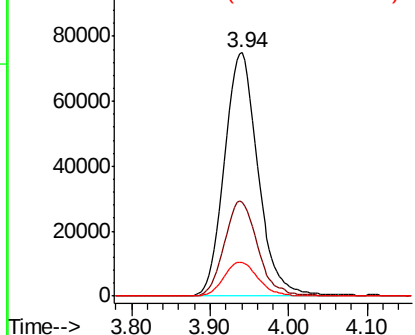


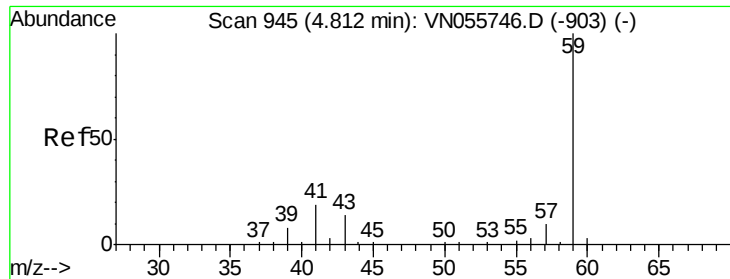
#10
 Methyl Iodide
 Concen: 48.578 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion:142 Resp: 221968
 Ion Ratio Lower Upper
 142 100
 127 39.0 31.0 46.4
 141 14.2 11.4 17.0



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V

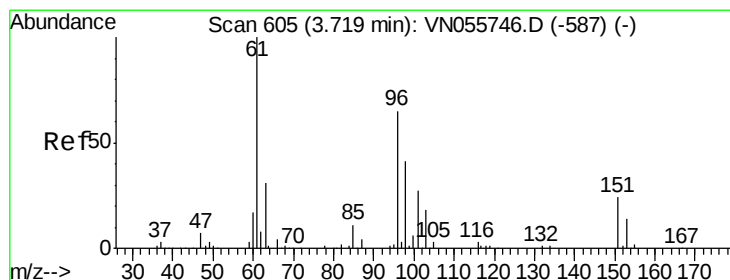
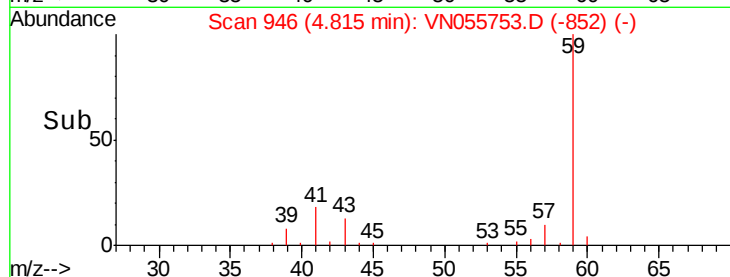
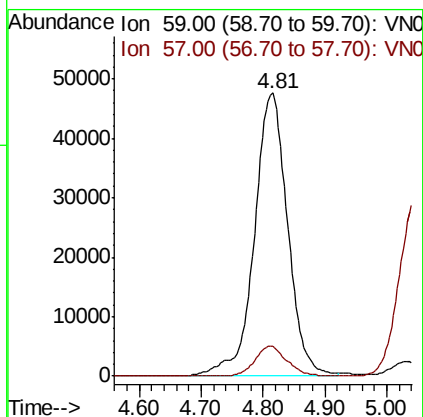
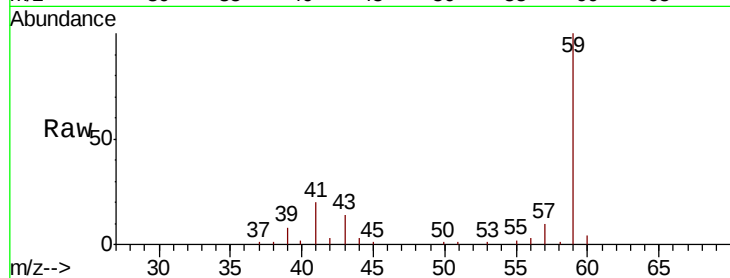




#11
Tert butyl alcohol
Concen: 237.689 ug/l
RT: 4.81 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

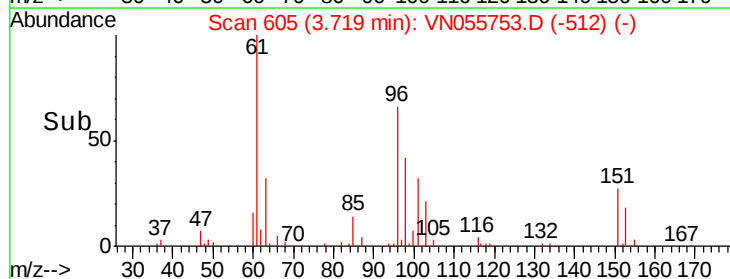
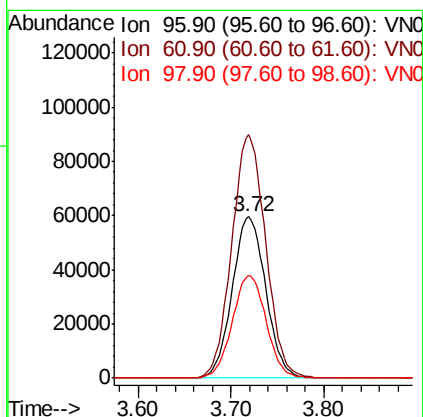
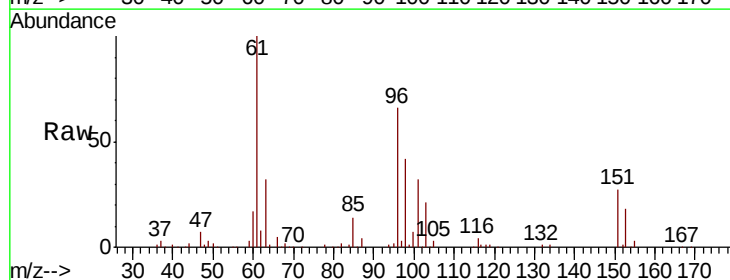
Instrument :
MSVOA_N
ClientSampled :

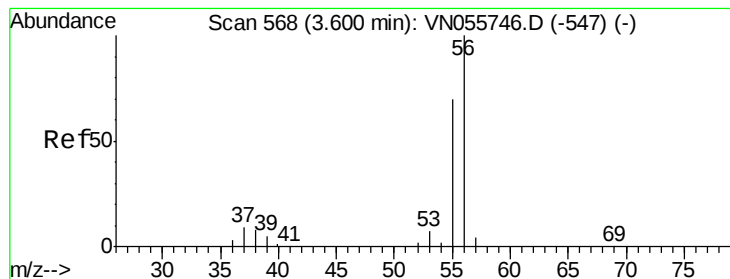
Tot Ion: 59 Resp: 178084
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6



#12
1,1-Dichloroethene
Concen: 46.370 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 96 Resp: 149741
Ion Ratio Lower Upper
96 100
61 150.7 123.2 184.8
98 63.4 50.4 75.6





#13

Acrolein

Concen: 217.072 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

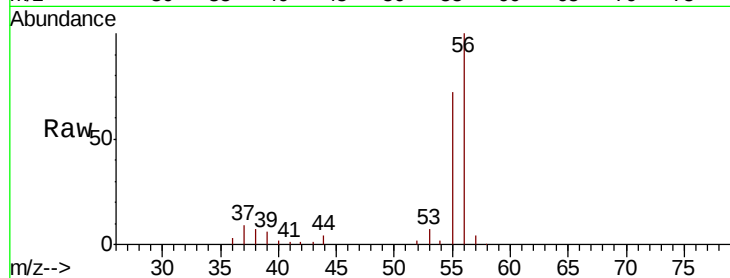
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 116455

Ion Ratio Lower Upper

56 100

55 69.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

50000

40000

30000

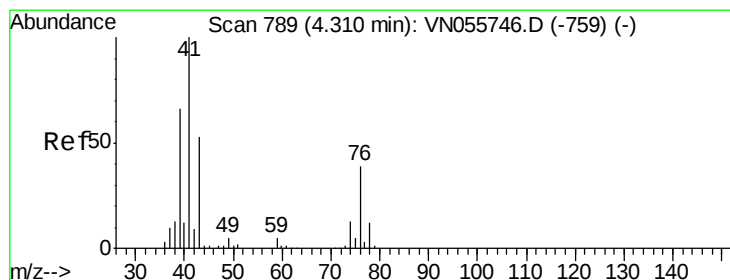
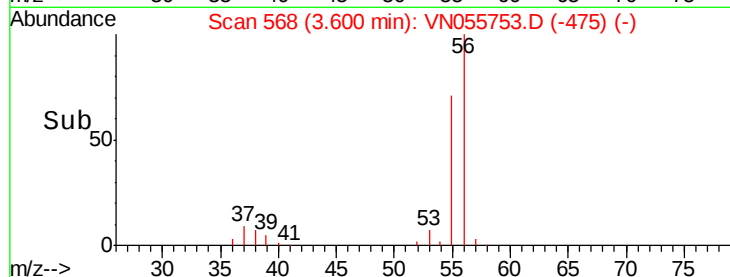
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 46.635 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

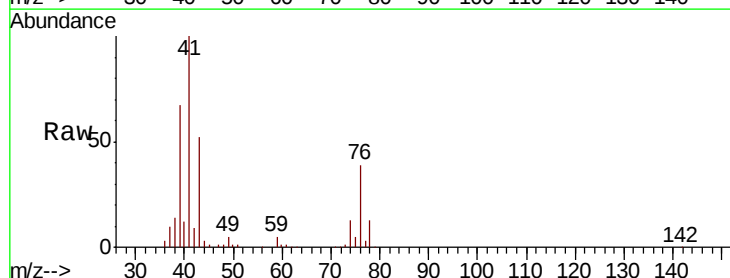
Tgt Ion: 41 Resp: 258171

Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

76 35.2 28.2 42.2



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

100000

80000

60000

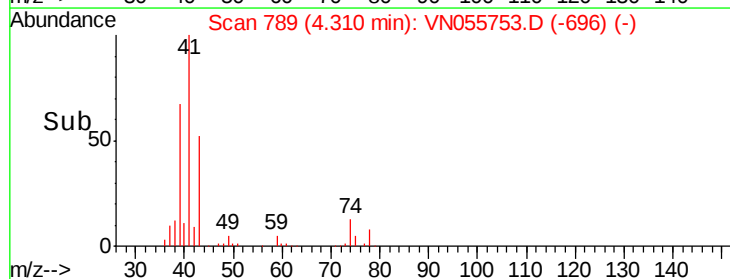
40000

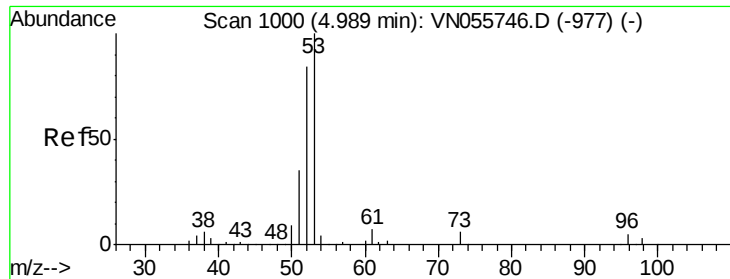
20000

0

Time-->

4.20 4.30 4.40

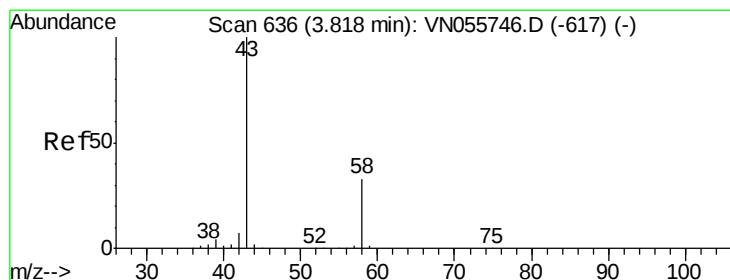
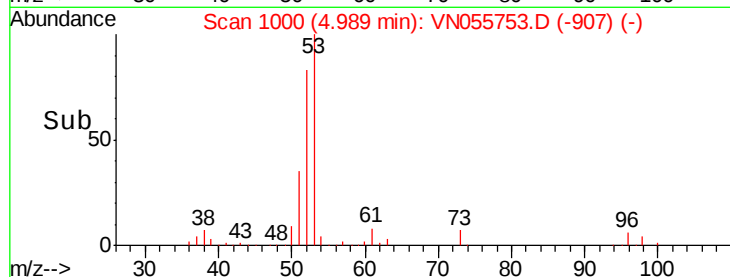
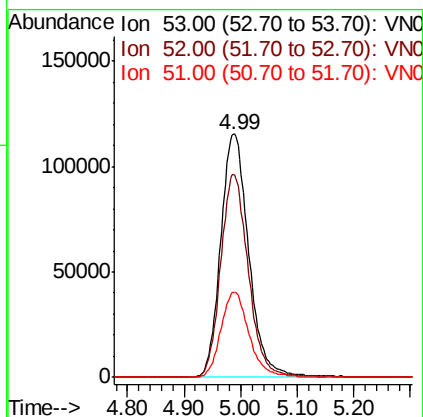
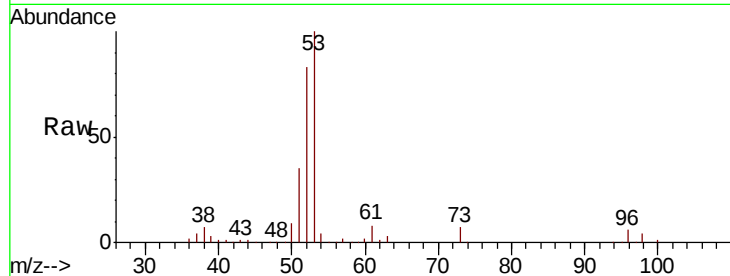




#15
 Acrylonitrile
 Concen: 232.197 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

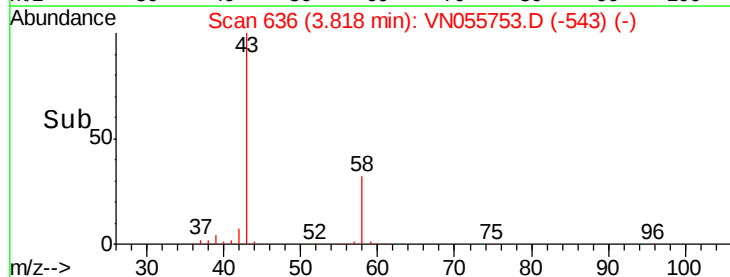
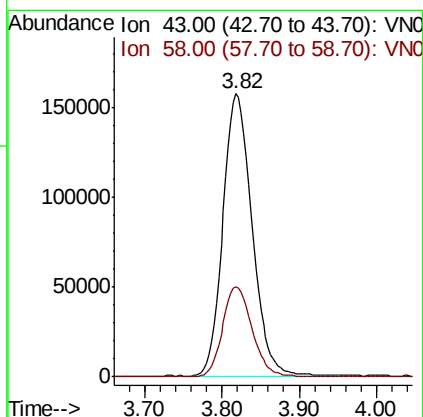
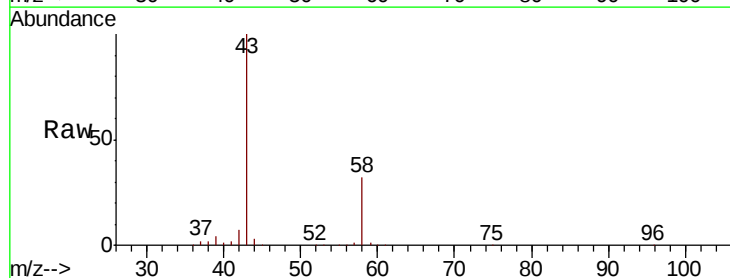
Instrument :
 MSVOA_N
 ClientSampled :

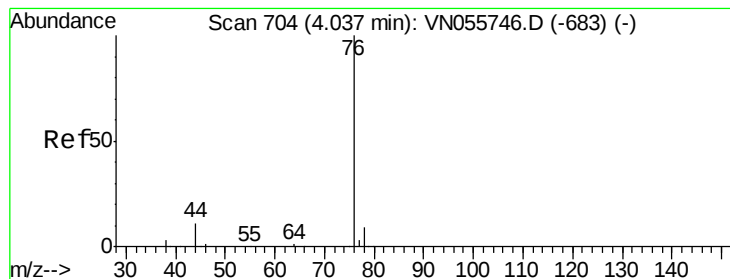
Tot Ion: 53 Resp: 399479
 Ion Ratio Lower Upper
 53 100
 52 81.6 65.8 98.8
 51 35.2 28.2 42.4



#16
 Acetone
 Concen: 237.517 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion: 43 Resp: 409413
 Ion Ratio Lower Upper
 43 100
 58 32.1 26.6 39.8





#17

Carbon Disulfide

Concen: 45.248 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

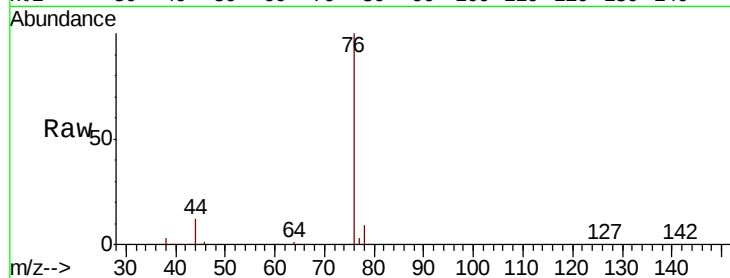
ClientSampled :

Tot Ion: 76 Resp: 415148

Ion Ratio Lower Upper

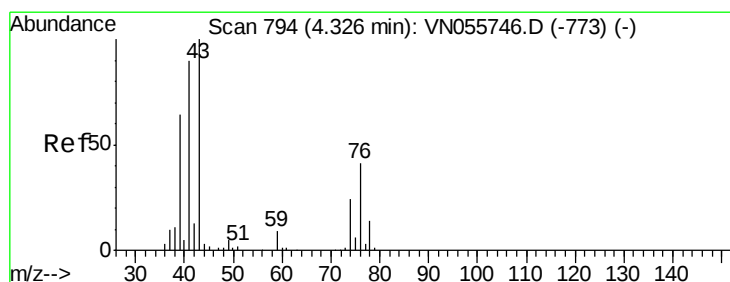
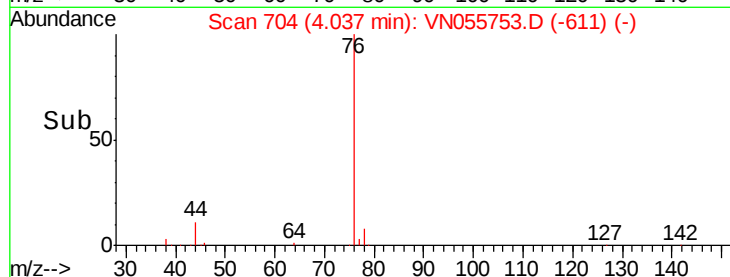
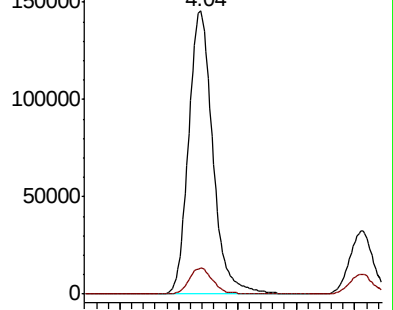
76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 47.163 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055753.D

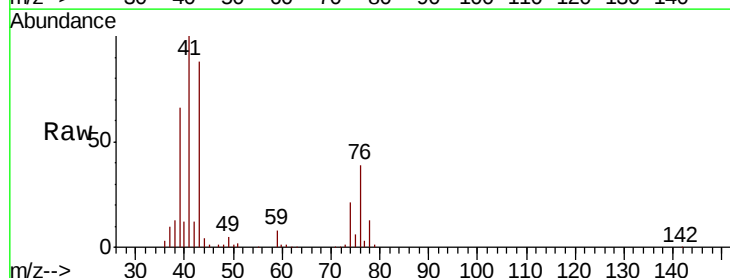
Acq: 23 May 2019 14:56

Tgt Ion: 43 Resp: 165522

Ion Ratio Lower Upper

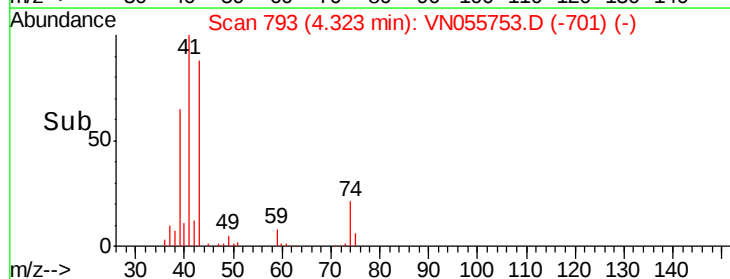
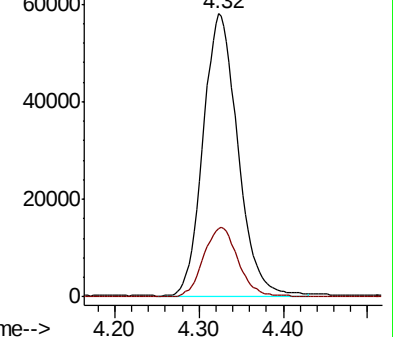
43 100

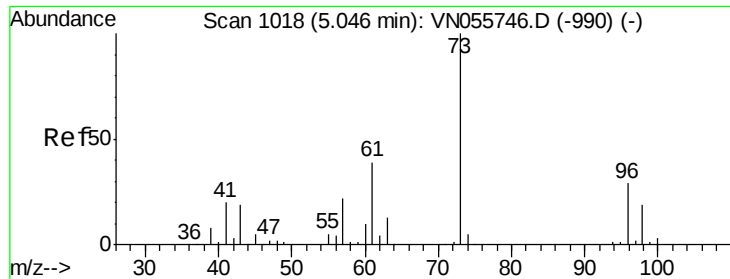
74 24.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



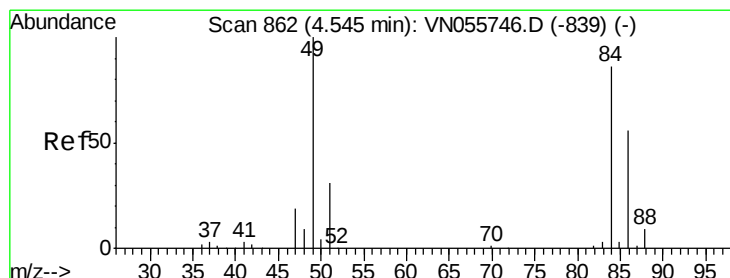
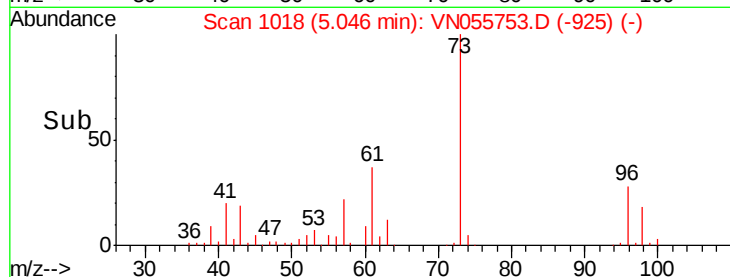
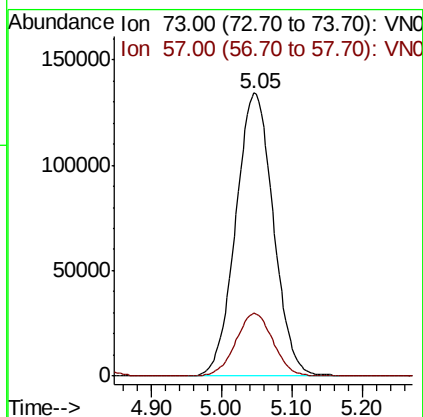
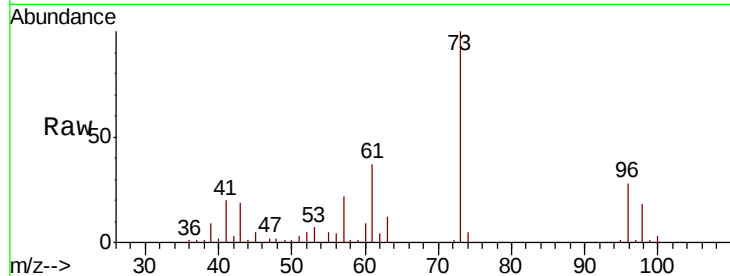


#19

Methyl tert-butyl Ether
 Concen: 46.304 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampled :

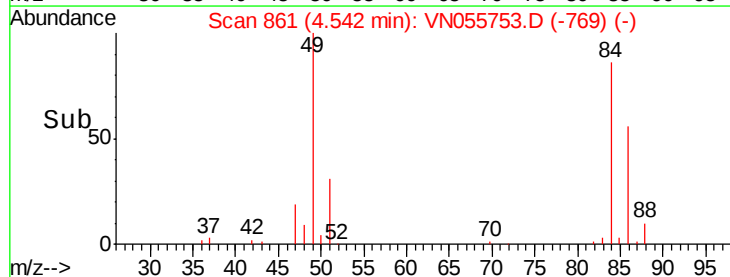
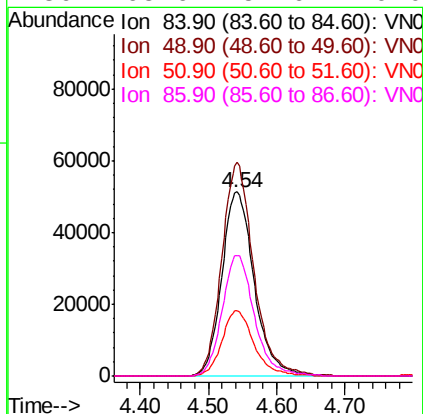
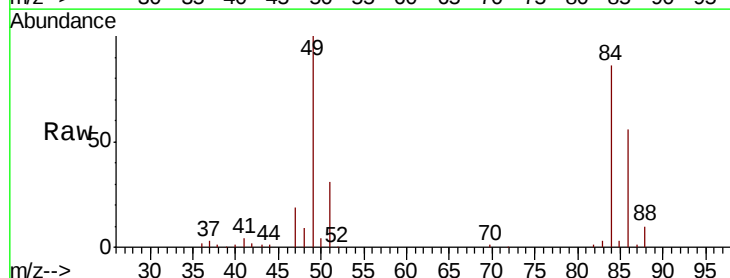
Tot Ion: 73 Resp: 498709
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.8 26.8

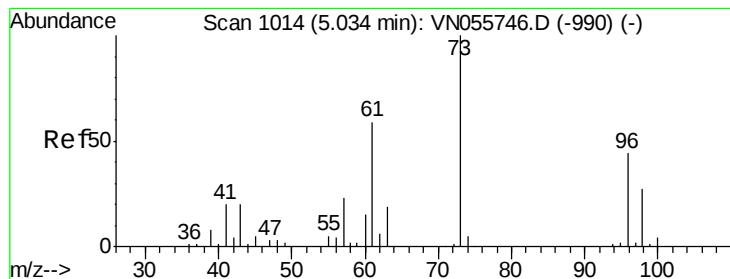


#20

Methylene Chloride
 Concen: 45.398 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion: 84 Resp: 169472
 Ion Ratio Lower Upper
 84 100
 49 116.1 93.5 140.3
 51 35.5 28.6 43.0
 86 65.6 52.6 79.0



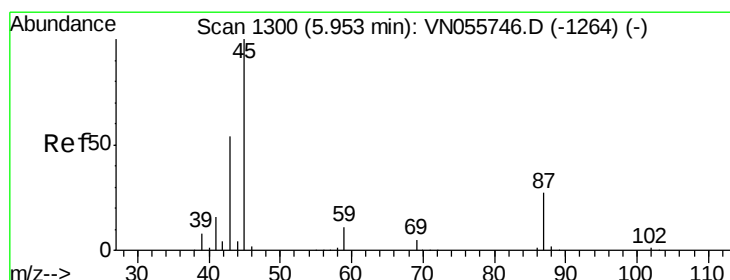
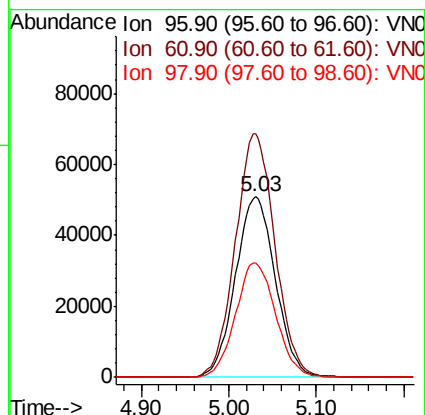
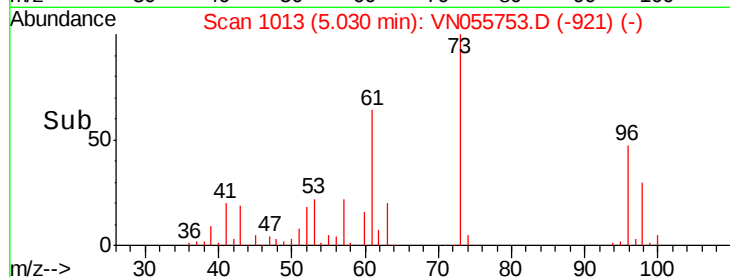
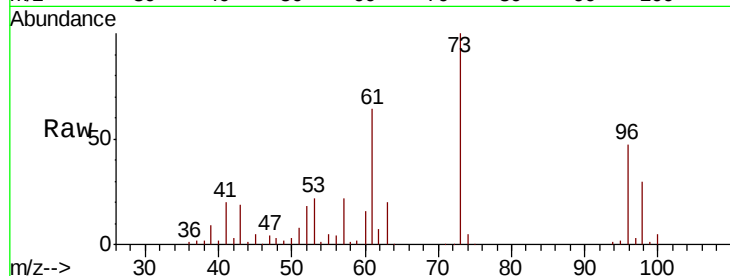


#21

trans-1,2-Dichloroethene
Concen: 46.587 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampled :

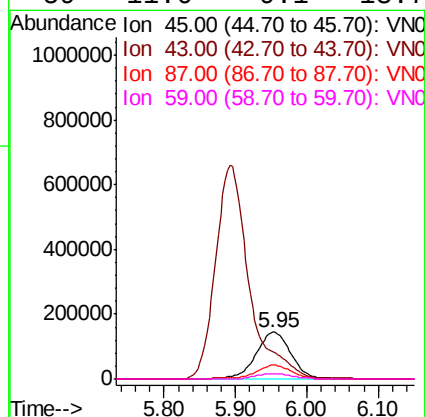
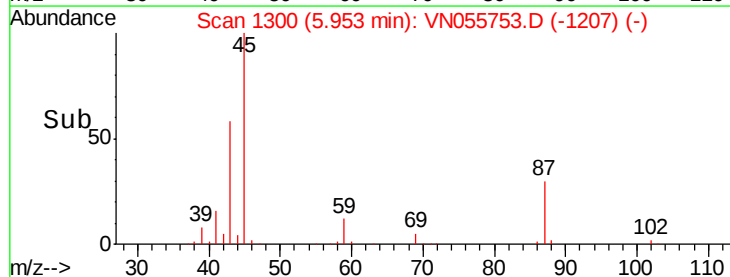
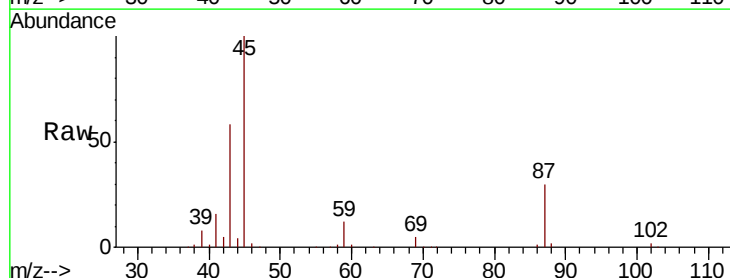
Tot Ion: 96 Resp: 161626
Ion Ratio Lower Upper
96 100
61 134.6 107.8 161.8
98 63.2 49.8 74.8

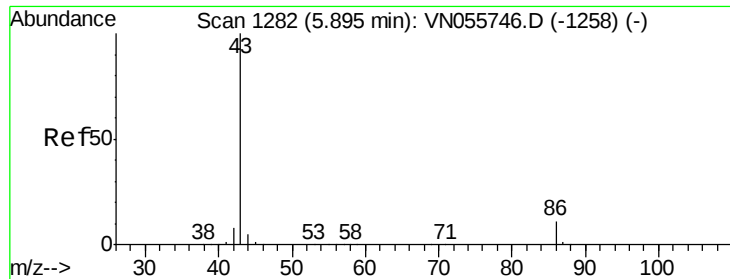


#22

Diisopropyl ether
Concen: 45.971 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 45 Resp: 494979
Ion Ratio Lower Upper
45 100
43 56.1 45.0 67.6
87 29.2 22.2 33.4
59 11.6 9.1 13.7





#23

Vinyl Acetate

Concen: 235.257 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

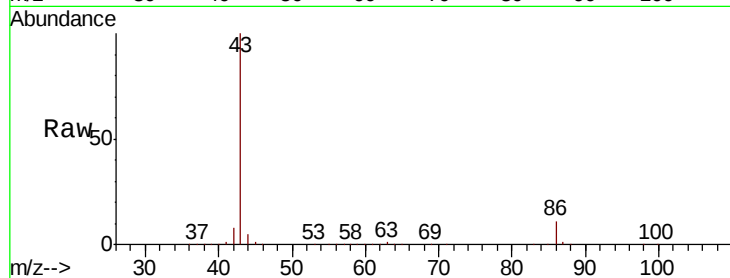
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2171829

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN055746.D (-1258) (-)

5.89

600000

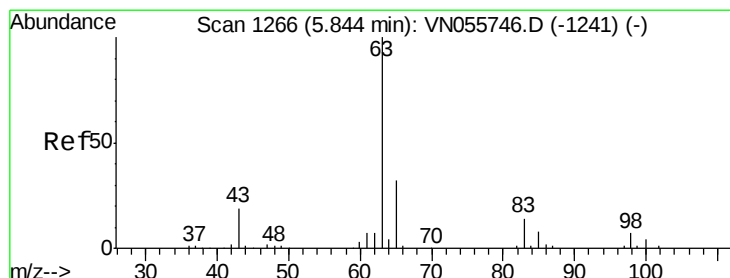
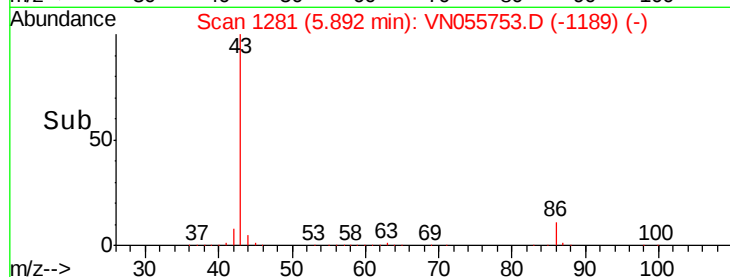
400000

200000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 46.046 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

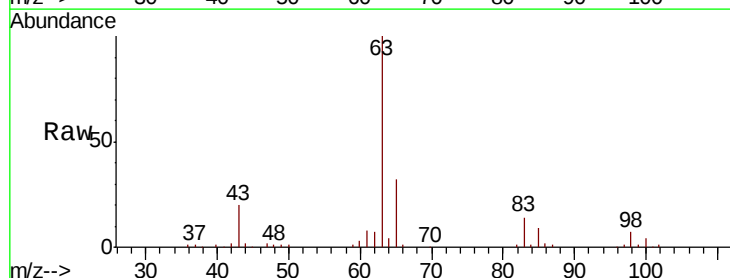
Tgt Ion: 63 Resp: 288666

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055746.D (-1241) (-)

120000

100000

80000

60000

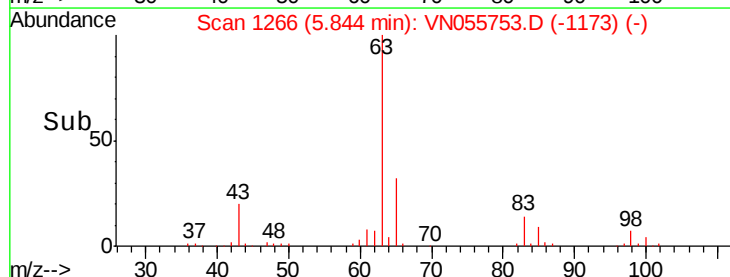
40000

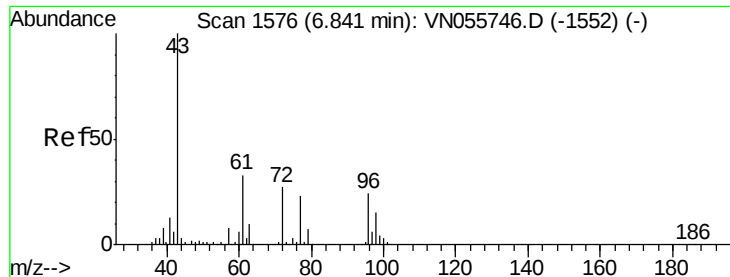
20000

0

5.70 5.80 5.90 6.00

Time-->

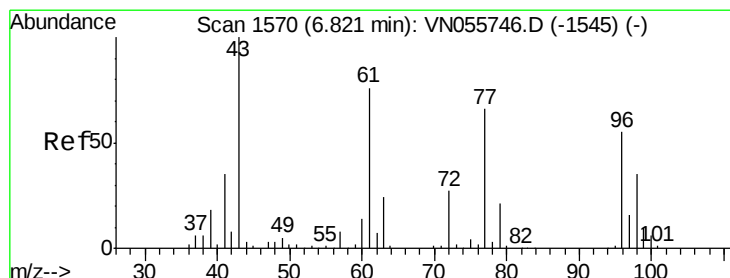
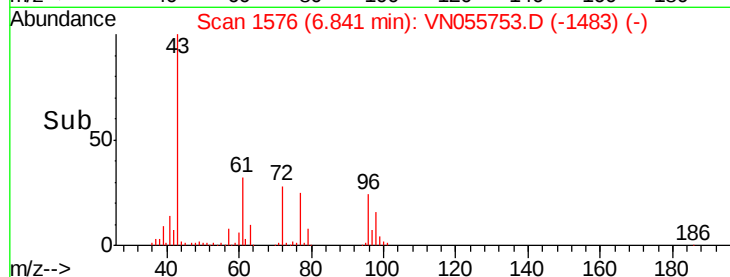
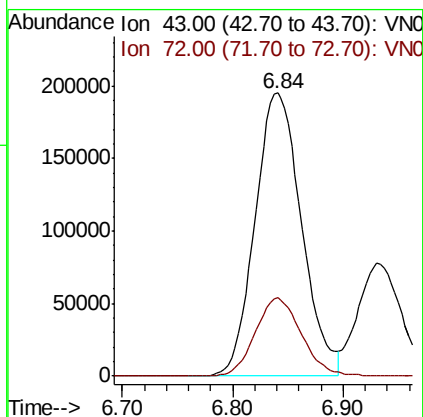
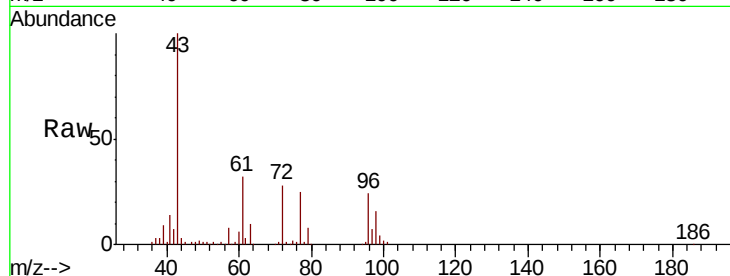




#25
2-Butanone
Concen: 235.842 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

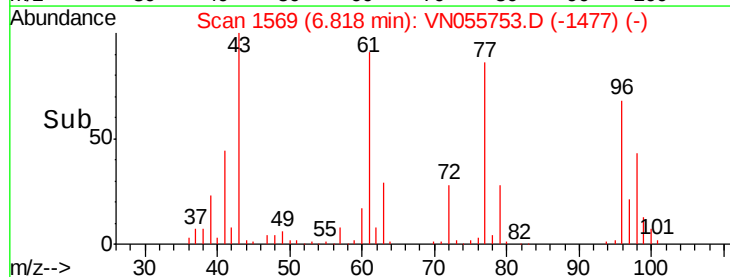
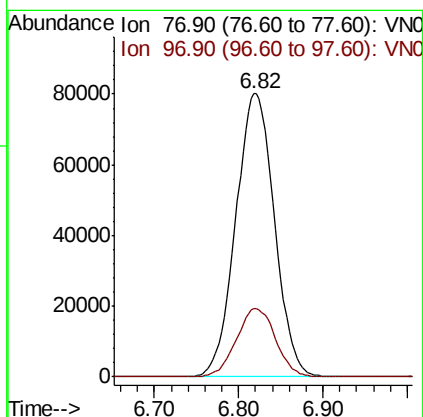
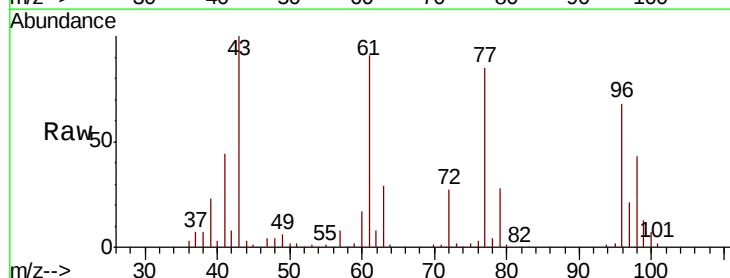
Instrument :
MSVOA_N
ClientSampled :

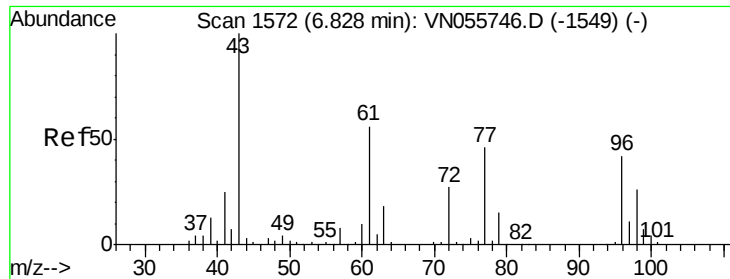
Tot Ion: 43 Resp: 567746
Ion Ratio Lower Upper
43 100
72 27.6 21.9 32.9



#26
2,2-Dichloropropane
Concen: 47.089 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 77 Resp: 255483
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 47.039 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :

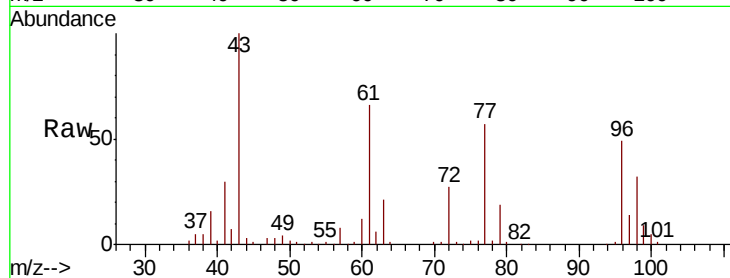
Tot Ion: 96 Resp: 190395

Ion Ratio Lower Upper

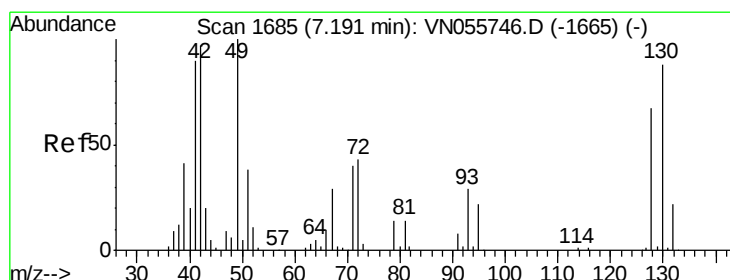
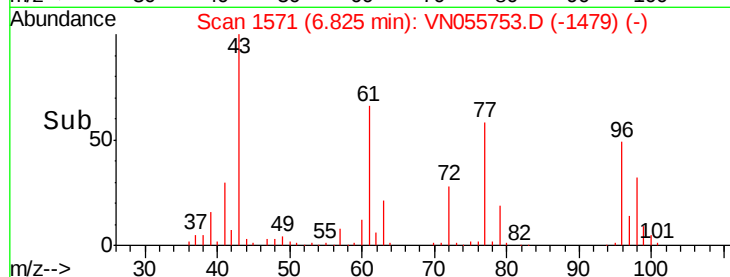
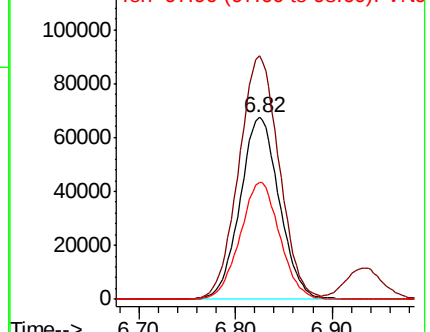
96 100

61 137.6 0.0 275.8

98 65.0 0.0 128.4



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: 47.407 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

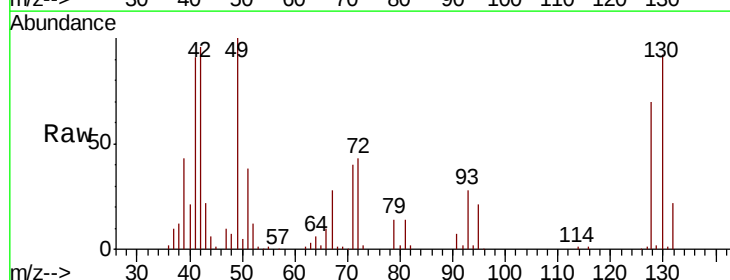
Tgt Ion: 49 Resp: 141501

Ion Ratio Lower Upper

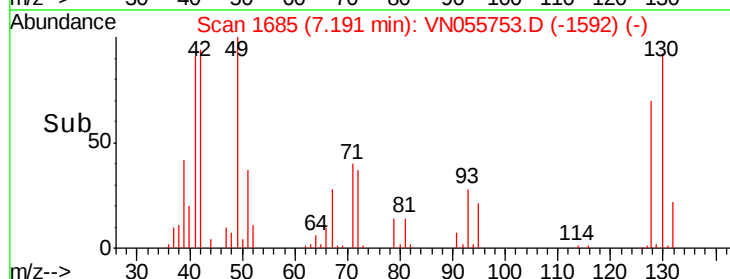
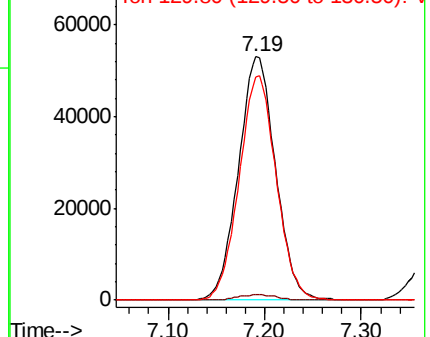
49 100

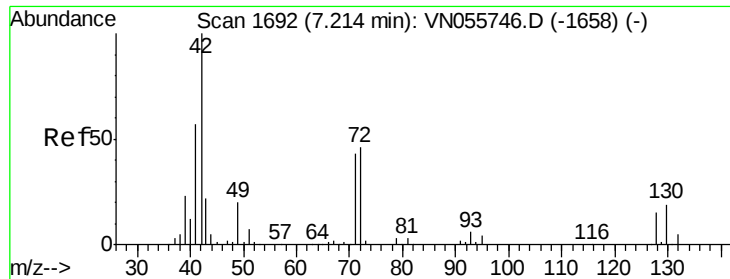
129 2.2 0.0 4.4

130 92.0 71.2 106.8



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

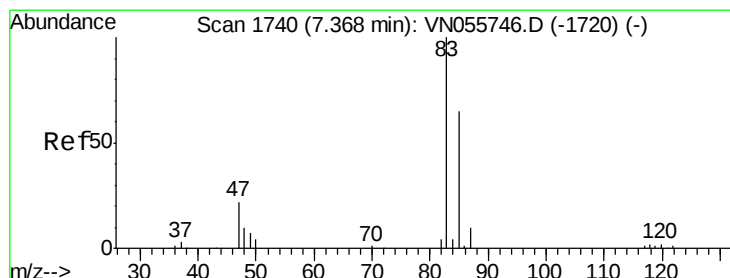
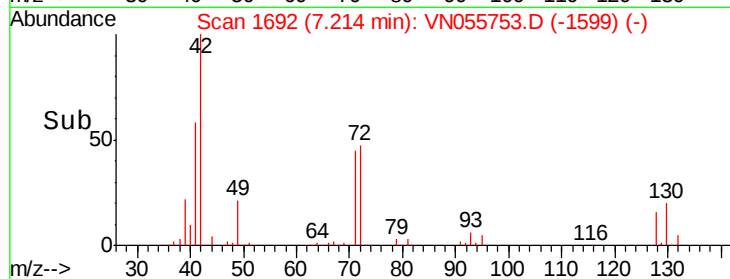
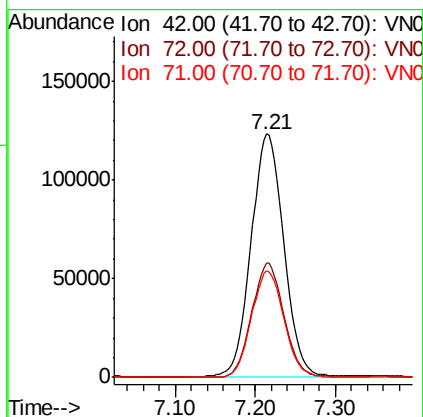
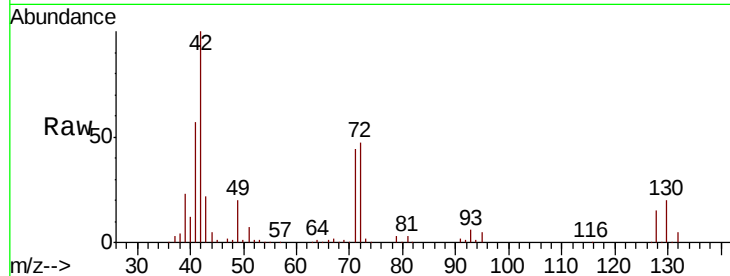




#29
Tetrahydrofuran
Concen: 227.382 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

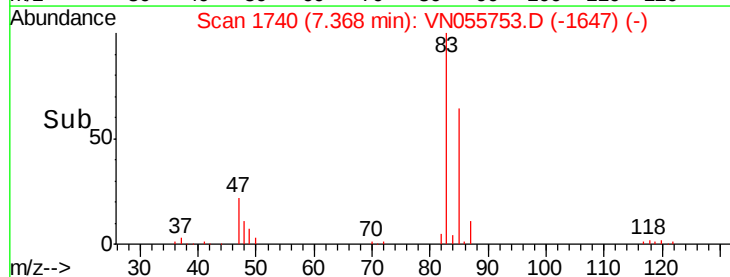
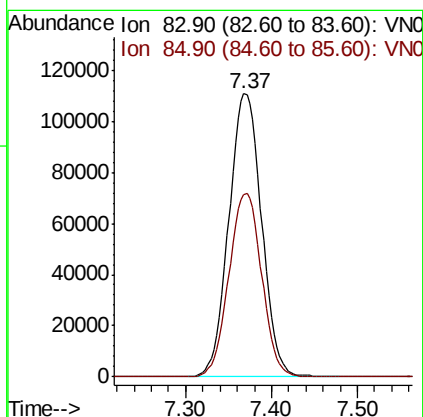
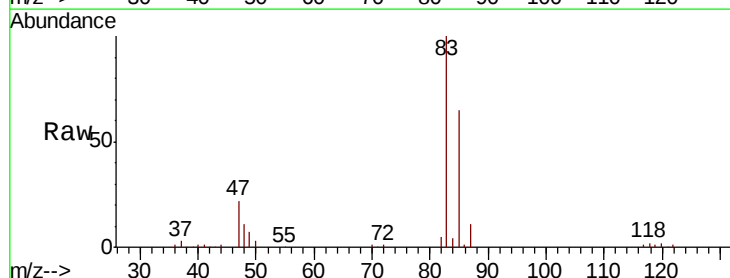
Instrument :
MSVOA_N
ClientSampled :

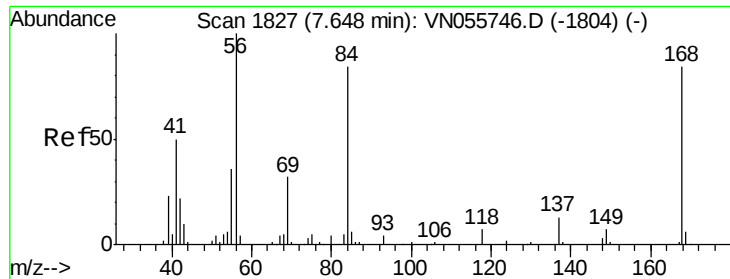
Tot Ion: 42 Resp: 346640
Ion Ratio Lower Upper
42 100
72 45.9 35.9 53.9
71 43.0 34.0 51.0



#30
Chloroform
Concen: 46.896 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 83 Resp: 293197
Ion Ratio Lower Upper
83 100
85 64.5 51.8 77.8

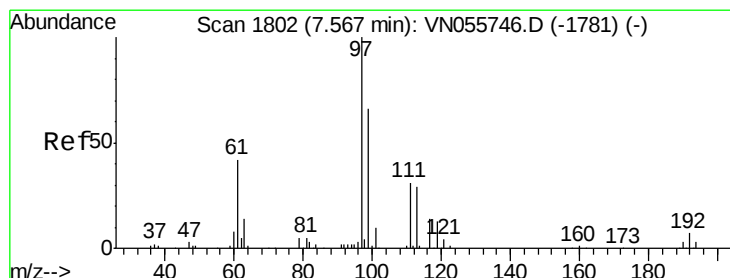
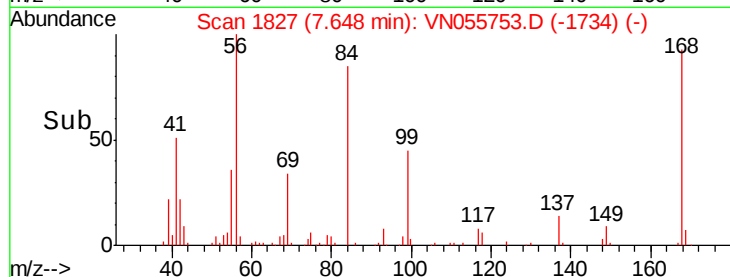
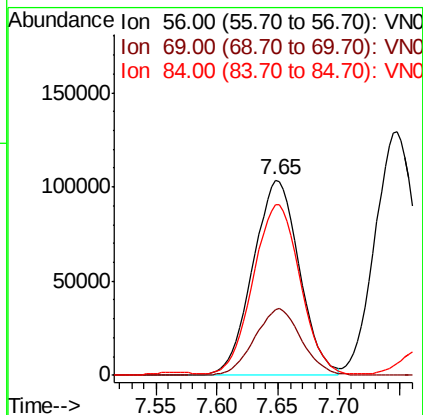
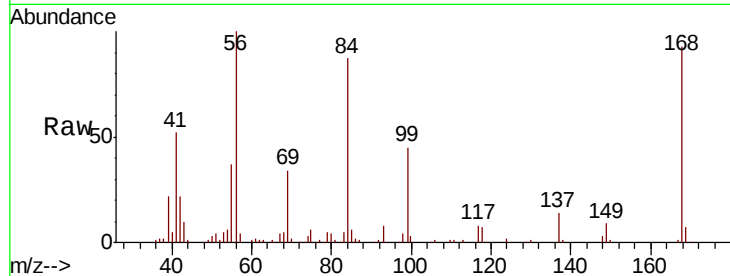




#31
Cyclohexane
Concen: 46.670 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

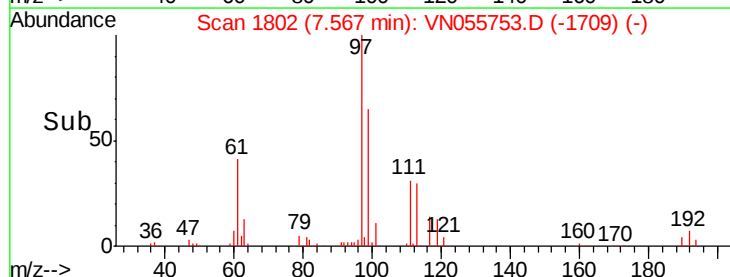
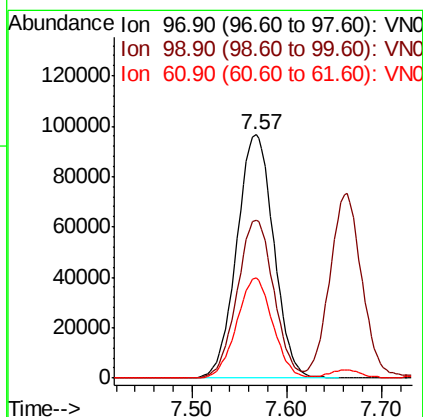
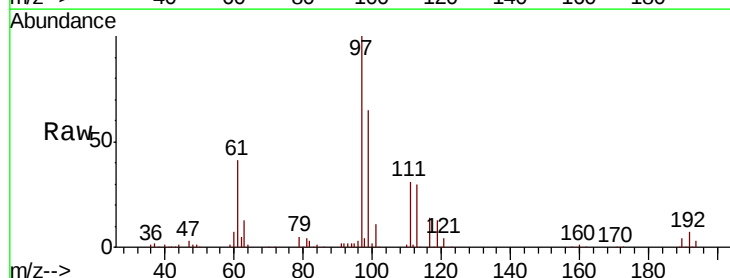
Instrument :
MSVOA_N
ClientSampled :

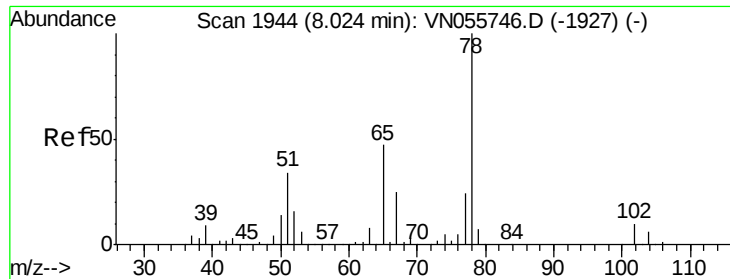
Tot Ion: 56 Resp: 274690
Ion Ratio Lower Upper
56 100
69 33.7 25.6 38.4
84 86.1 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 47.030 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 97 Resp: 262382
Ion Ratio Lower Upper
97 100
99 64.3 52.0 78.0
61 40.2 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 47.564 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

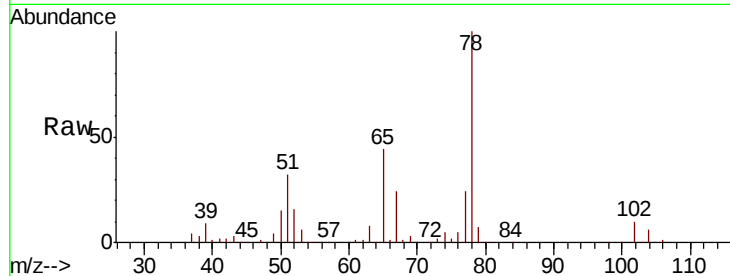
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 186515

Ion Ratio Lower Upper

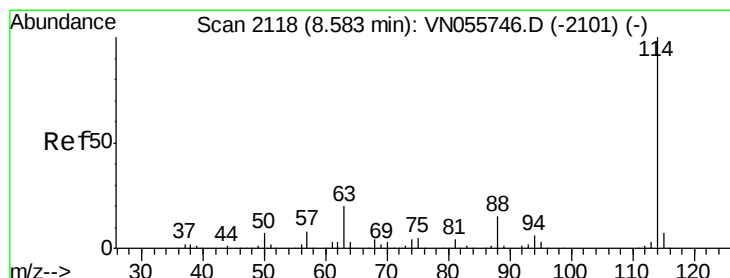
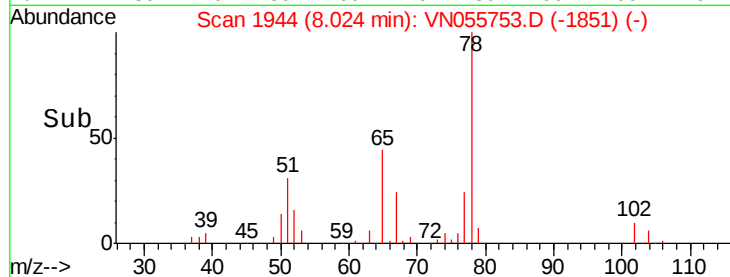
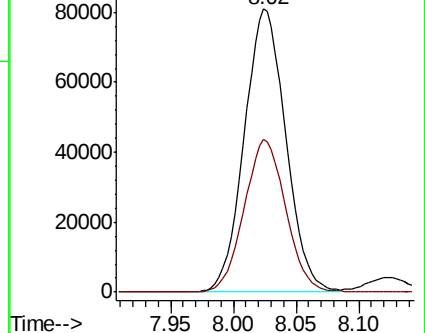
65 100

67 53.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055746.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN055746.D (-1927) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

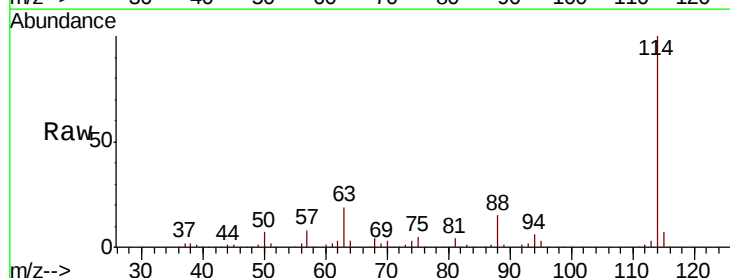
Tgt Ion: 114 Resp: 528317

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.2

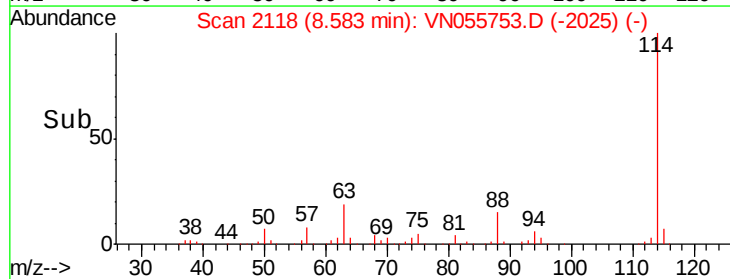
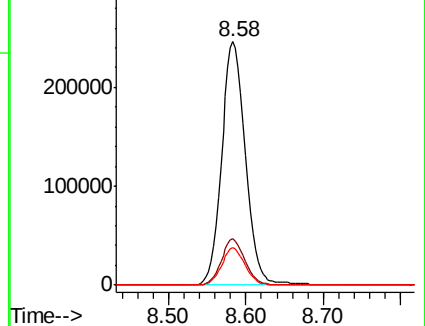
88 15.4 0.0 31.0

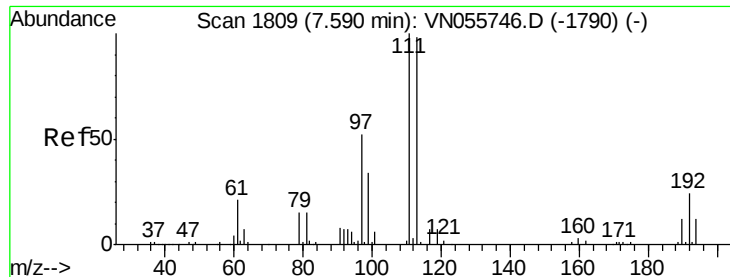


Abundance Ion 113.90 (113.60 to 114.60): VN055746.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055746.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055746.D (-2101) (-)





#35

Dibromofluoromethane

Concen: 50.428 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

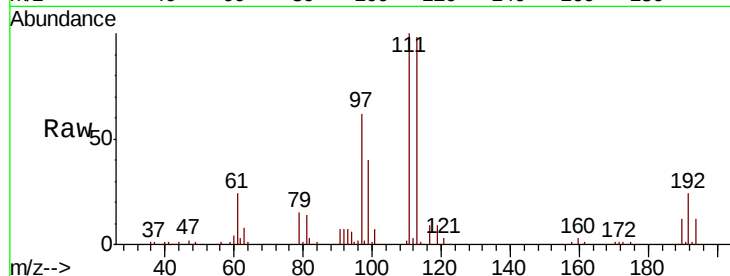
Tot Ion:113 Resp: 168441

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

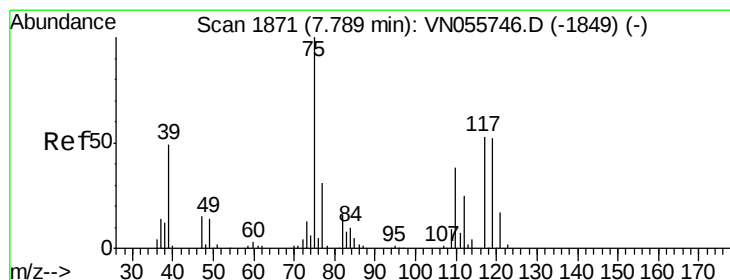
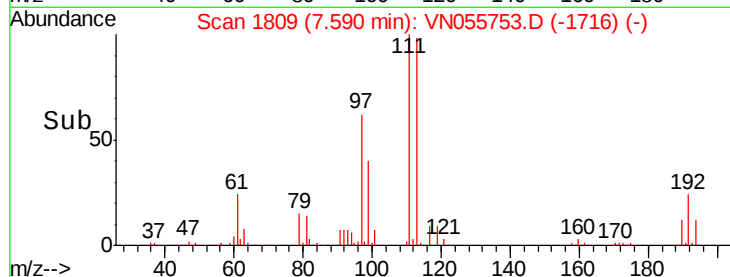
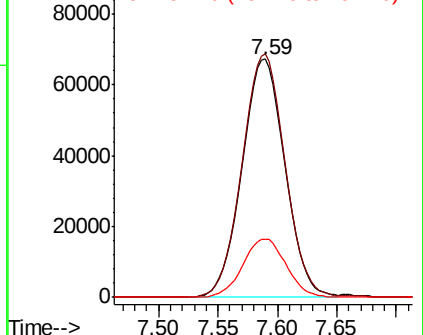
192 24.7 19.5 29.3



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: 48.159 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

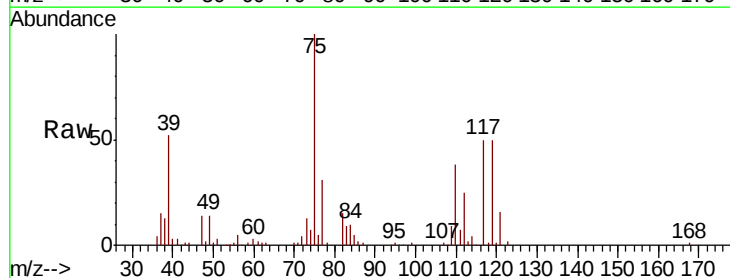
Tgt Ion: 75 Resp: 221726

Ion Ratio Lower Upper

75 100

110 38.4 19.0 57.0

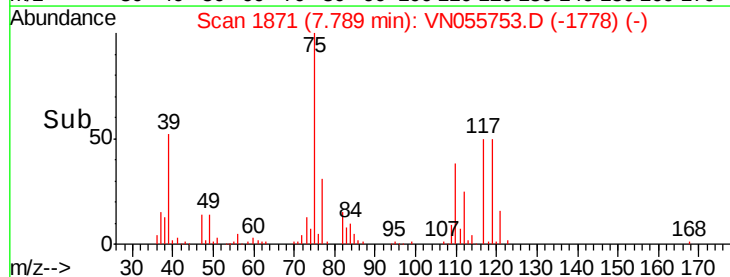
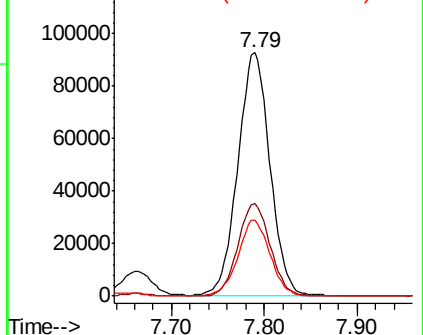
77 31.6 25.1 37.7

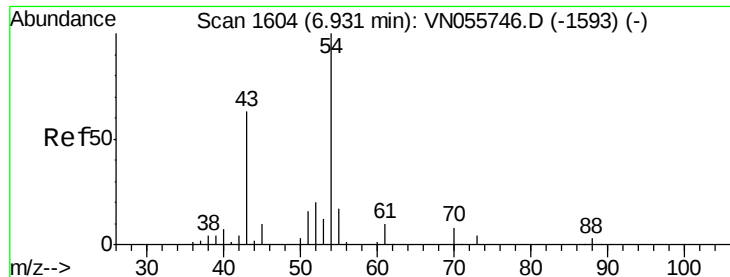


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

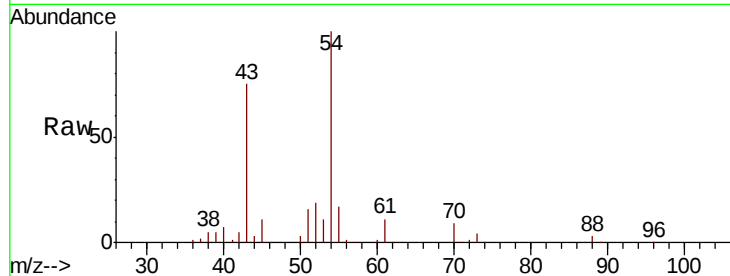




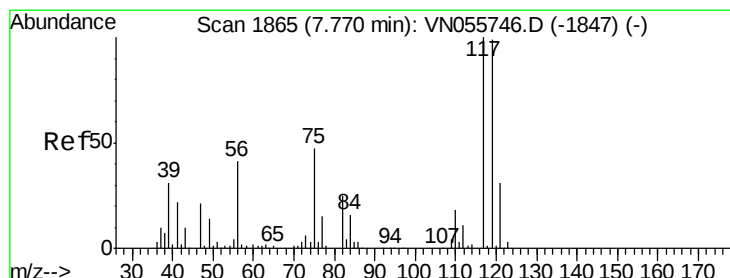
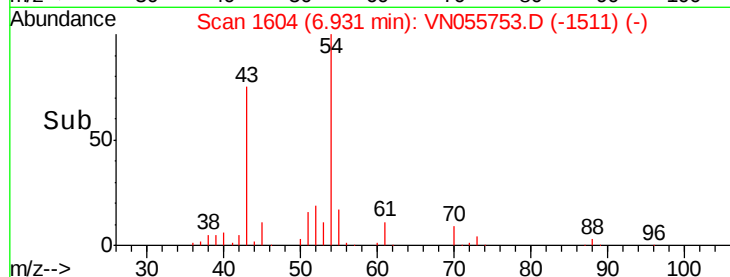
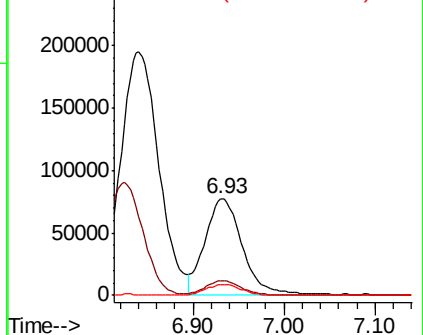
#37
Ethyl Acetate
Concen: 48.961 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 217867
Ion Ratio Lower Upper
43 100
61 14.6 12.2 18.2
70 11.0 8.9 13.3

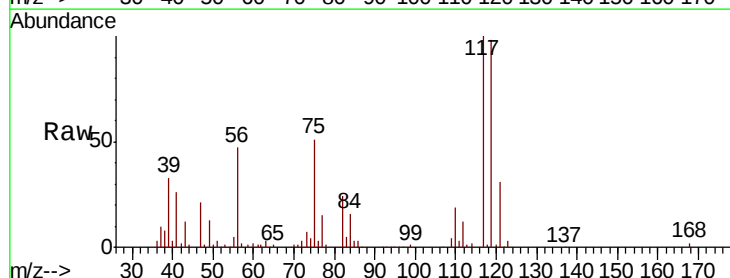


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

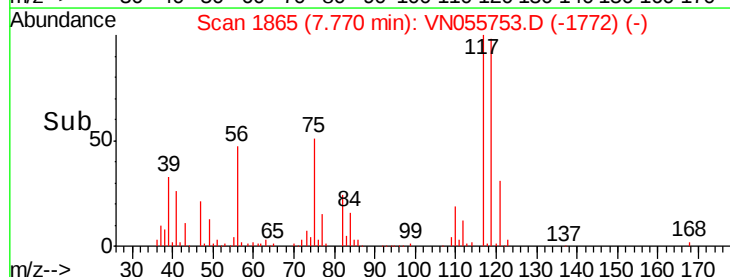
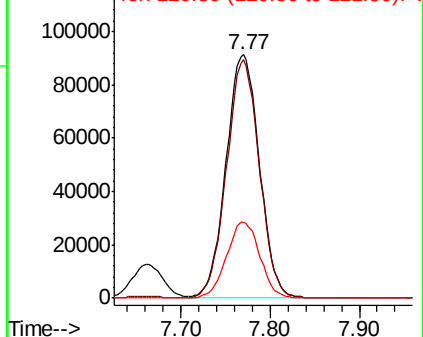


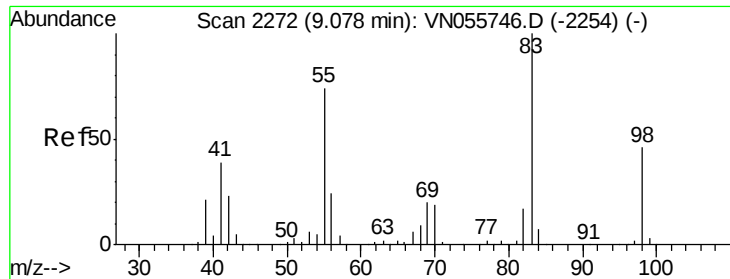
#38
Carbon Tetrachloride
Concen: 49.407 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 117 Resp: 236945
Ion Ratio Lower Upper
117 100
119 97.8 79.0 118.6
121 31.3 24.7 37.1



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

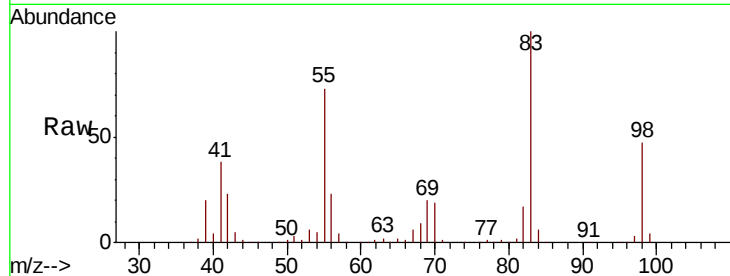




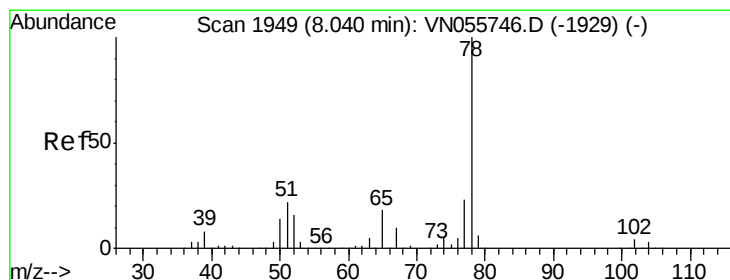
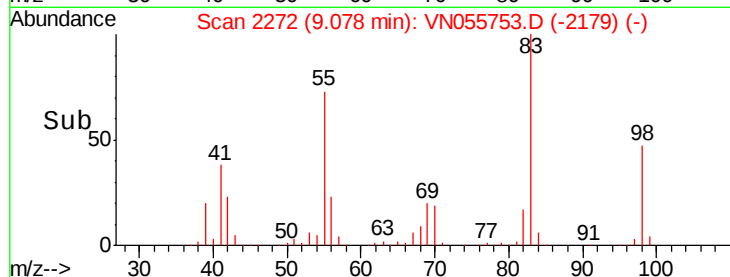
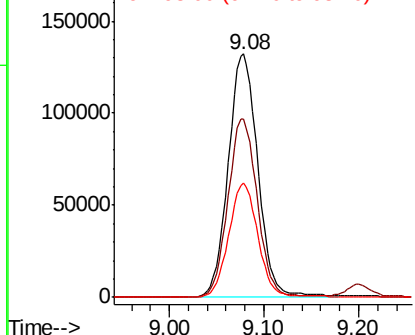
#39
Methvlcvclohexane
Concen: 50.611 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 288551
Ion Ratio Lower Upper
83 100
55 73.1 59.3 88.9
98 46.8 36.6 54.8

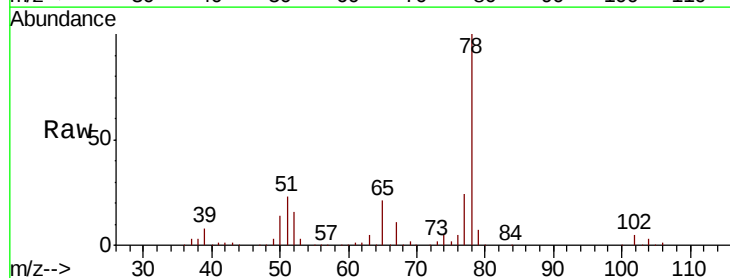


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

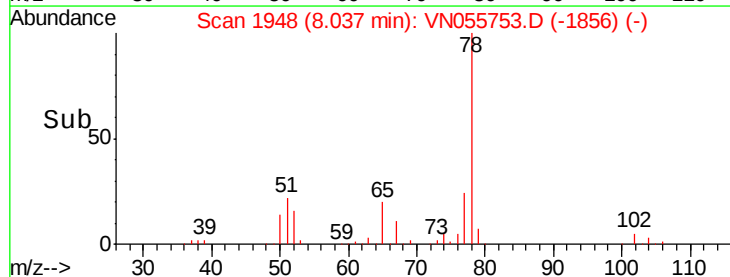
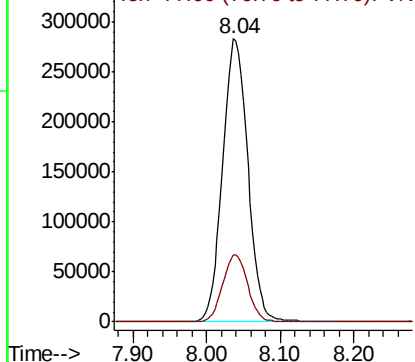


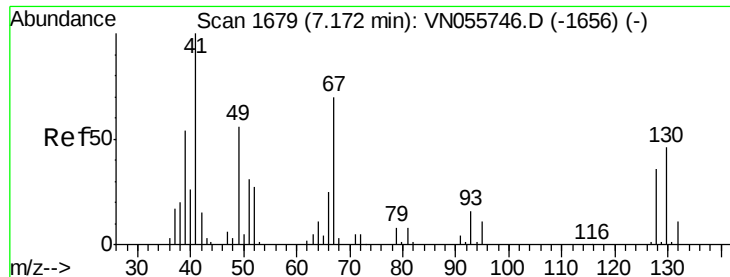
#40
Benzene
Concen: 48.655 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 78 Resp: 675121
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



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

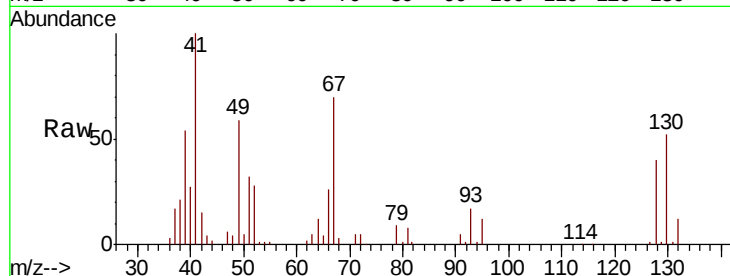




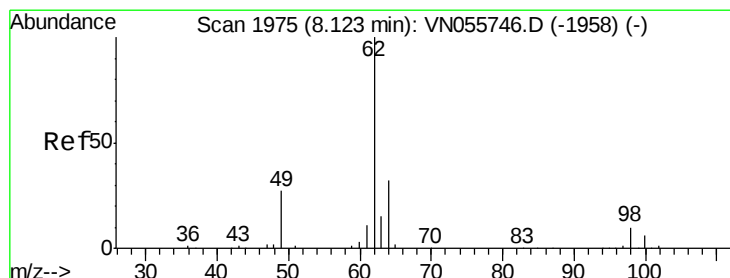
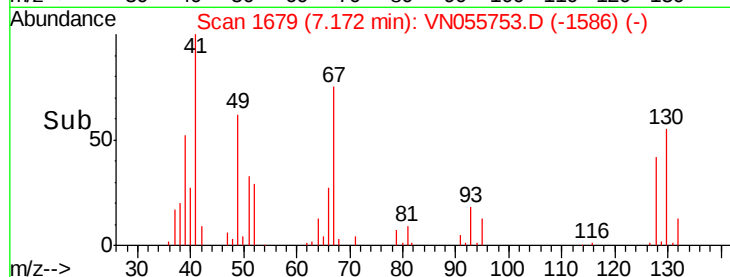
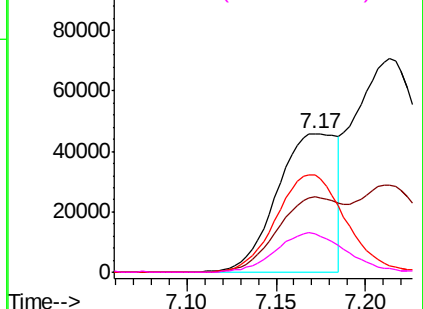
#41
Methacrylonitrile
Concen: 47.425 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 106614
Ion Ratio Lower Upper
41 100
39 56.5 45.6 68.4
67 81.9 67.7 101.5
52 32.3 26.6 40.0

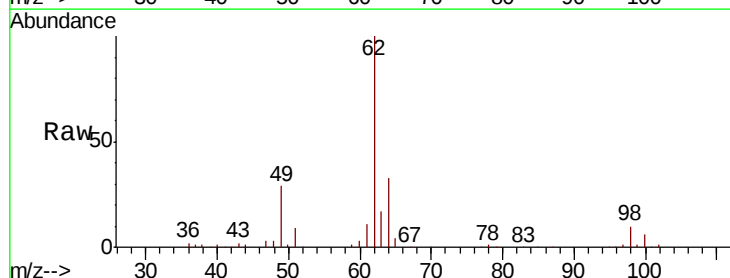


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

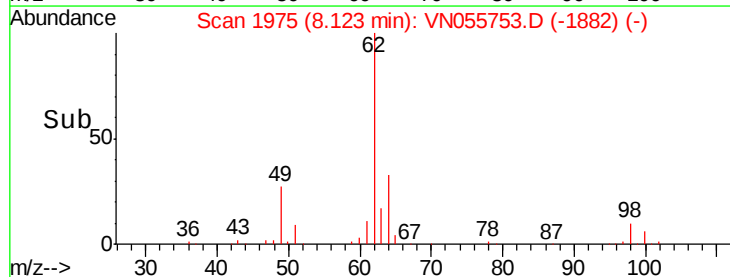
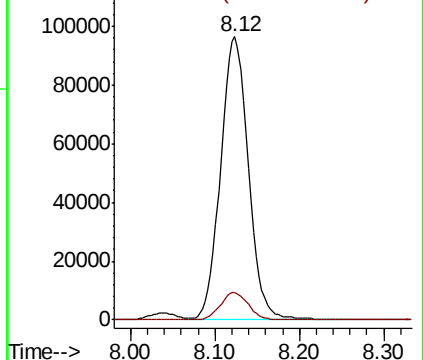


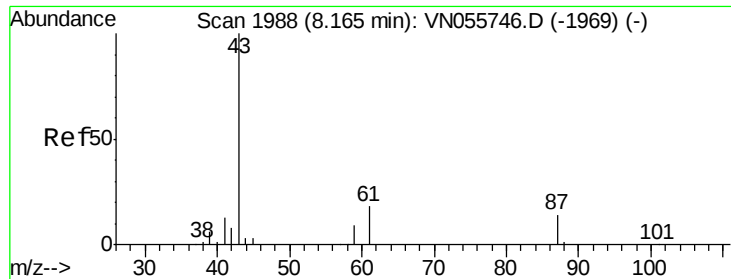
#42
1,2-Dichloroethane
Concen: 48.512 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 62 Resp: 219959
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 48.193 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

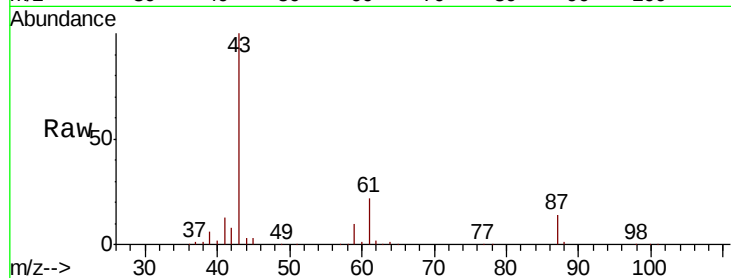
Tot Ion: 43 Resp: 360317

Ion Ratio Lower Upper

43 100

61 21.5 22.2 33.4#

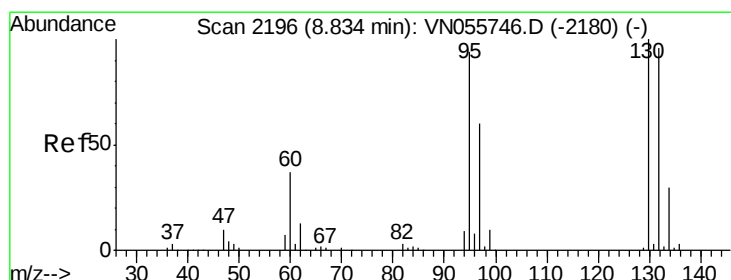
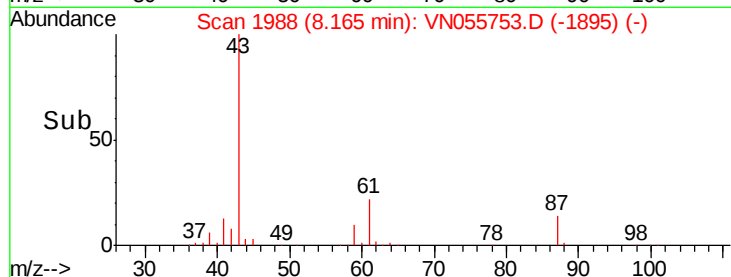
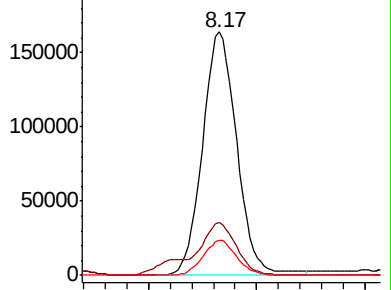
87 14.2 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 51.266 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055753.D

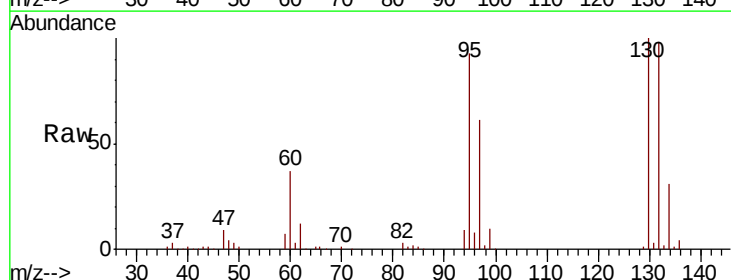
Acq: 23 May 2019 14:56

Tgt Ion: 130 Resp: 198313

Ion Ratio Lower Upper

130 100

95 93.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 130.80 (130.50 to 131.50): VN055746.D (-2180) (-)

Ion 131.80 (131.50 to 132.50): VN055746.D (-2180) (-)

Ion 132.80 (132.50 to 133.50): VN055746.D (-2180) (-)

Ion 133.80 (133.50 to 134.50): VN055746.D (-2180) (-)

Ion 134.80 (134.50 to 135.50): VN055746.D (-2180) (-)

Ion 135.80 (135.50 to 136.50): VN055746.D (-2180) (-)

Ion 136.80 (136.50 to 137.50): VN055746.D (-2180) (-)

Ion 137.80 (137.50 to 138.50): VN055746.D (-2180) (-)

Ion 138.80 (138.50 to 139.50): VN055746.D (-2180) (-)

Ion 139.80 (139.50 to 140.50): VN055746.D (-2180) (-)

Ion 140.80 (140.50 to 141.50): VN055746.D (-2180) (-)

Ion 141.80 (141.50 to 142.50): VN055746.D (-2180) (-)

Ion 142.80 (142.50 to 143.50): VN055746.D (-2180) (-)

Ion 143.80 (143.50 to 144.50): VN055746.D (-2180) (-)

Ion 144.80 (144.50 to 145.50): VN055746.D (-2180) (-)

Ion 145.80 (145.50 to 146.50): VN055746.D (-2180) (-)

Ion 146.80 (146.50 to 147.50): VN055746.D (-2180) (-)

Ion 147.80 (147.50 to 148.50): VN055746.D (-2180) (-)

Ion 148.80 (148.50 to 149.50): VN055746.D (-2180) (-)

Ion 149.80 (149.50 to 150.50): VN055746.D (-2180) (-)

Ion 150.80 (150.50 to 151.50): VN055746.D (-2180) (-)

Ion 151.80 (151.50 to 152.50): VN055746.D (-2180) (-)

Ion 152.80 (152.50 to 153.50): VN055746.D (-2180) (-)

Ion 153.80 (153.50 to 154.50): VN055746.D (-2180) (-)

Ion 154.80 (154.50 to 155.50): VN055746.D (-2180) (-)

Ion 155.80 (155.50 to 156.50): VN055746.D (-2180) (-)

Ion 156.80 (156.50 to 157.50): VN055746.D (-2180) (-)

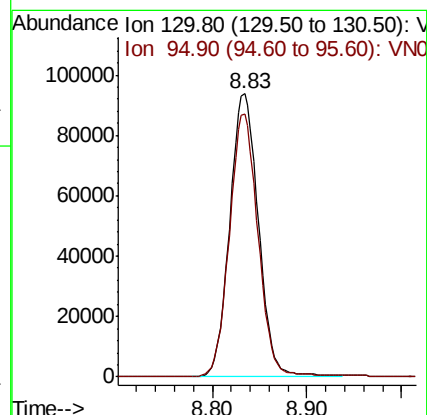
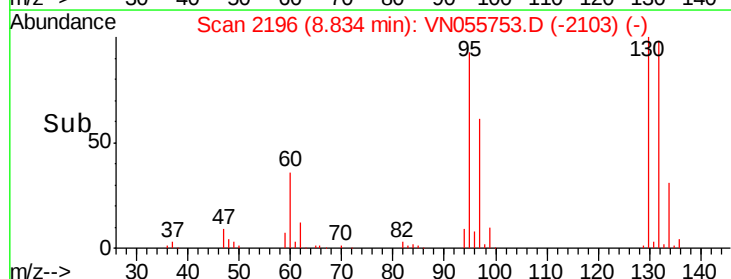
Ion 157.80 (157.50 to 158.50): VN055746.D (-2180) (-)

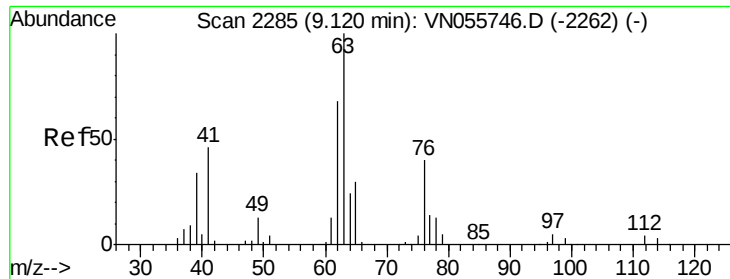
Ion 158.80 (158.50 to 159.50): VN055746.D (-2180) (-)

Ion 159.80 (159.50 to 160.50): VN055746.D (-2180) (-)

Ion 160.80 (160.50 to 161.50): VN055746.D (-2180) (-)

Ion 161.80 (161.50 to 162.50): VN055746.D (-2180) (-)

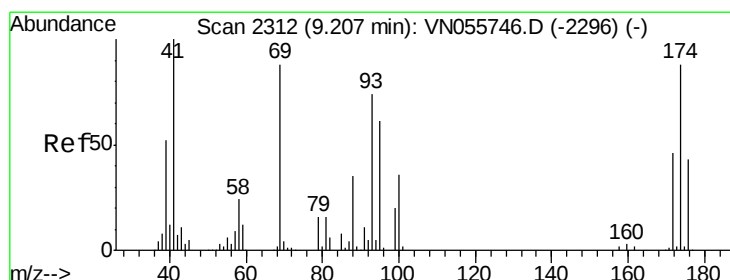
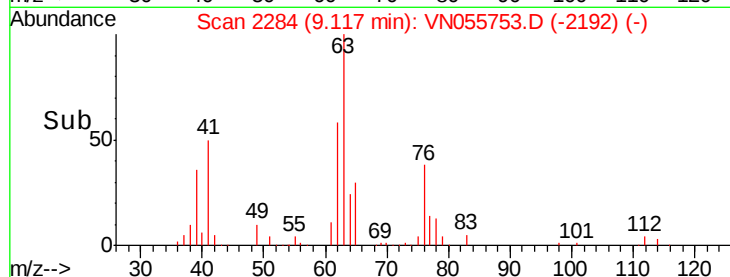
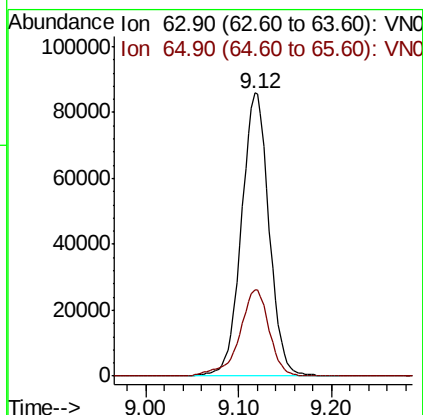
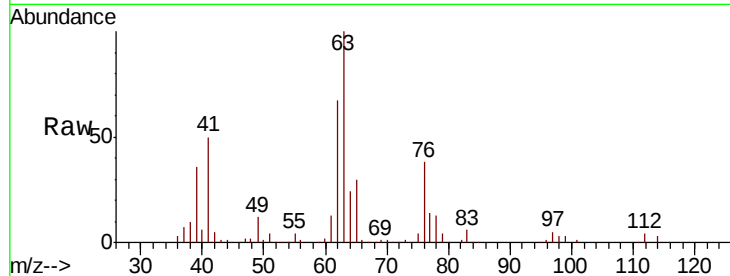




#45
 1,2-Dichloropropane
 Concen: 49.048 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

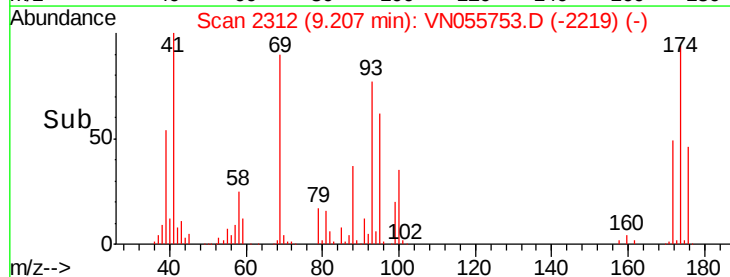
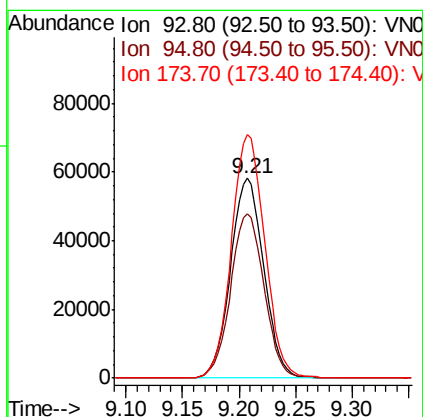
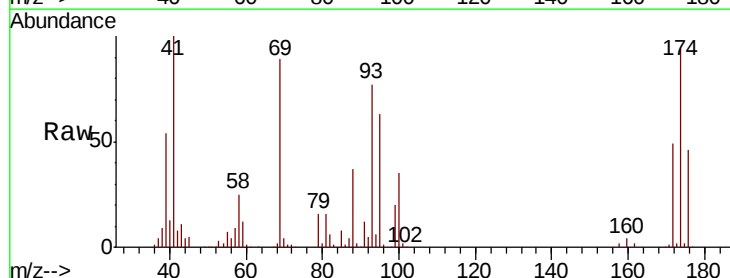
Instrument :
 MSVOA_N
 ClientSampleId :

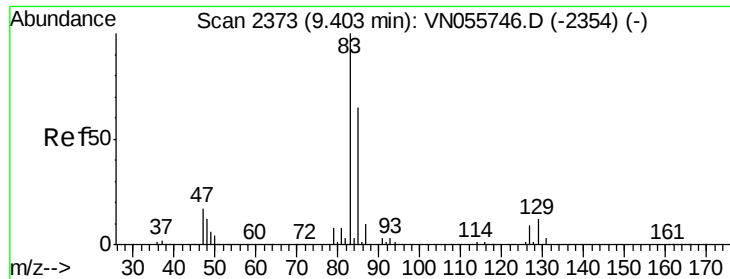
Tot Ion: 63 Resp: 177321
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8



#46
 Dibromomethane
 Concen: 50.267 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion: 93 Resp: 119180
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 122.1 96.4 144.6





#47

Bromodichloromethane

Concen: 48.454 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

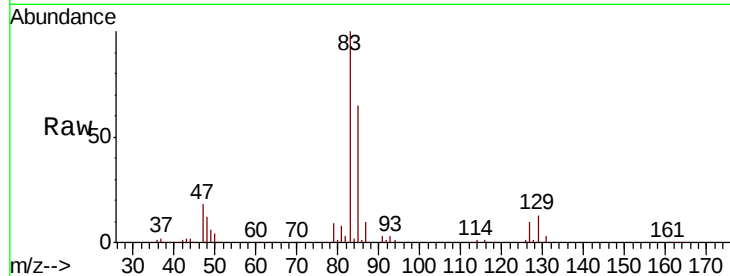
Tot Ion: 83 Resp: 235564

Ion Ratio Lower Upper

83 100

85 65.1 52.2 78.2

127 9.5 7.4 11.0

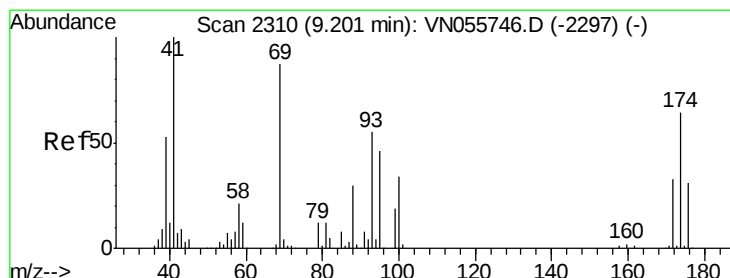
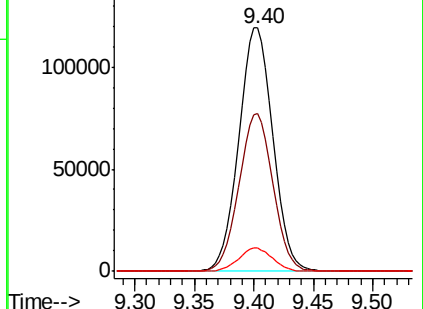
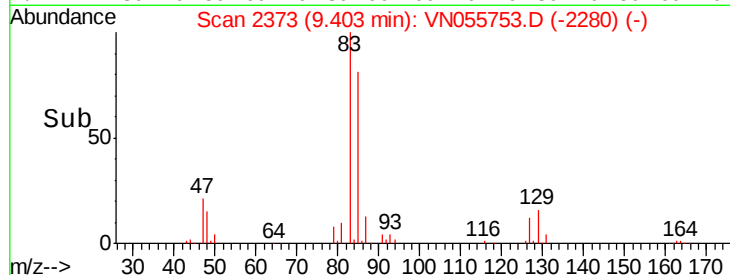


Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)

Time-->



#48

Methyl methacrylate

Concen: 48.611 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

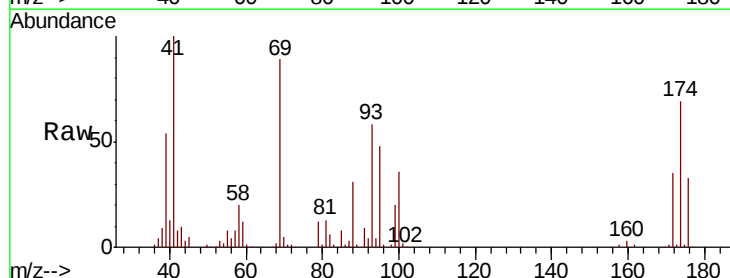
Tgt Ion: 41 Resp: 167500

Ion Ratio Lower Upper

41 100

69 91.6 71.0 106.6

39 56.2 44.2 66.2

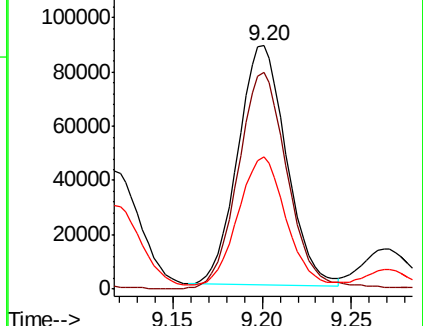
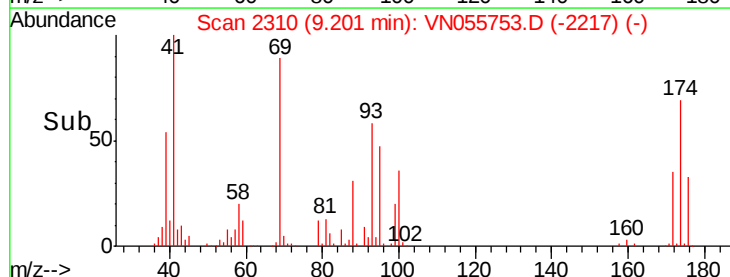


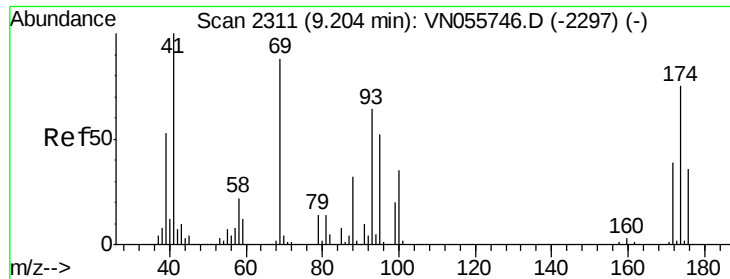
Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)

Time-->

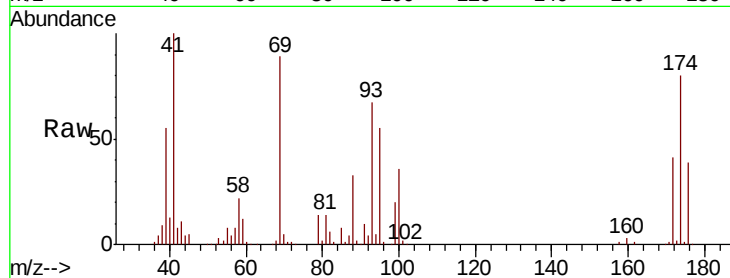




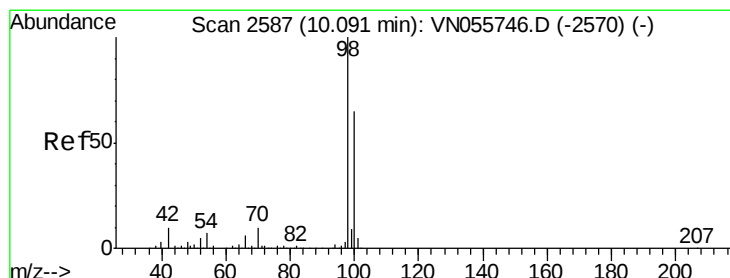
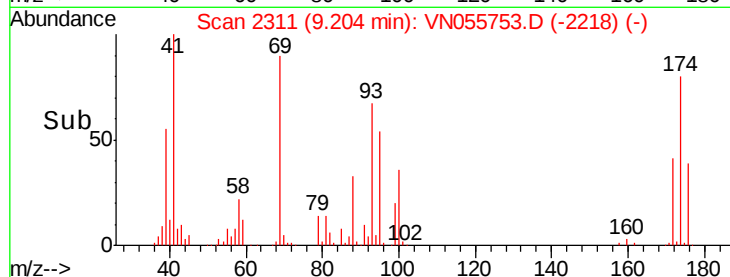
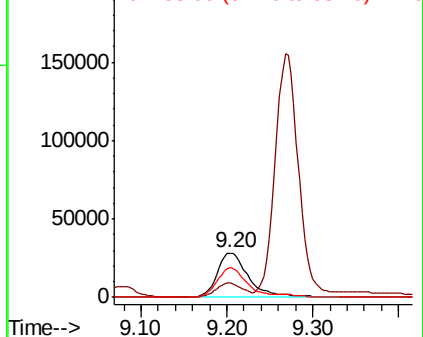
#49
 1,4-Dioxane
 Concen: 1010.682 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 72370
 Ion Ratio Lower Upper
 88 100
 43 25.1 20.5 30.7
 58 67.3 55.8 83.6

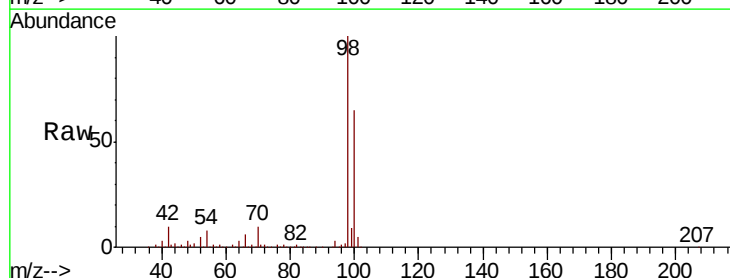


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

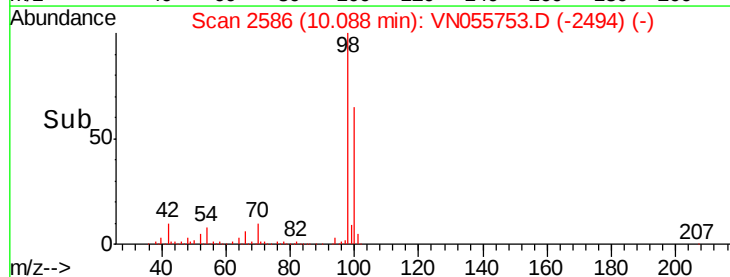
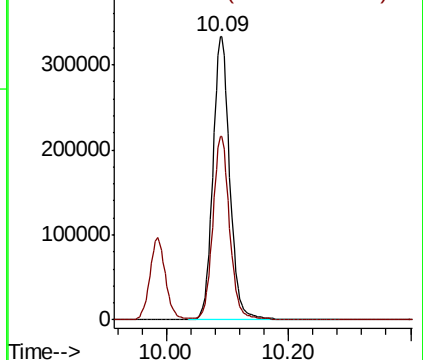


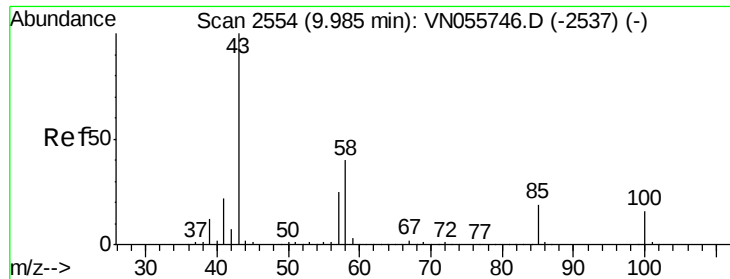
#50
 Toluene-d8
 Concen: 50.127 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion: 98 Resp: 642257
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.9 77.9



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: 244.501 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

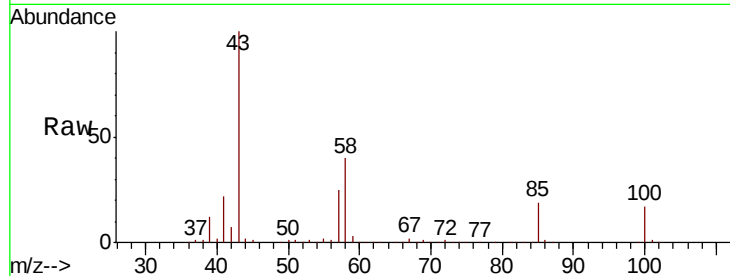
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1079624

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2537) (-)

9.99

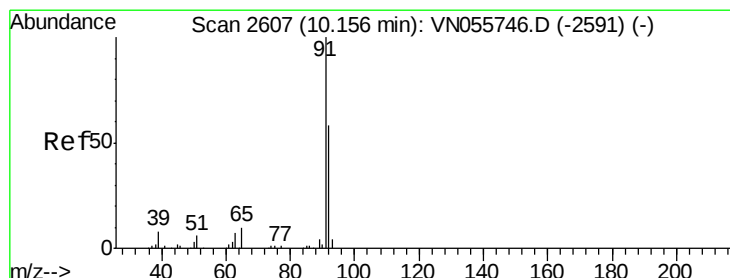
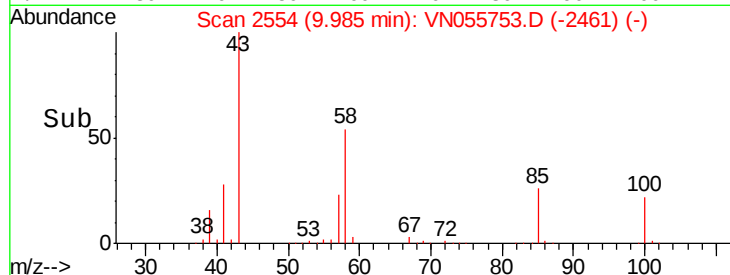
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.798 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055753.D

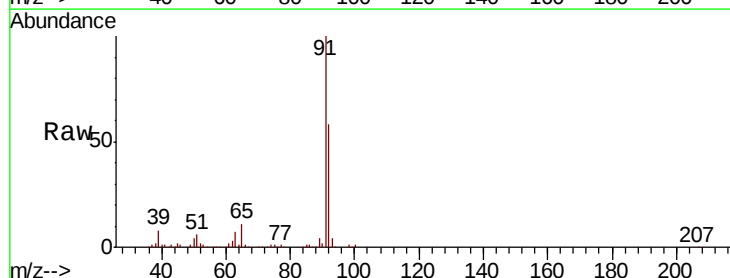
Acq: 23 May 2019 14:56

Tgt Ion: 92 Resp: 434584

Ion Ratio Lower Upper

92 100

91 174.8 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055746.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-2591) (-)

10.16

400000

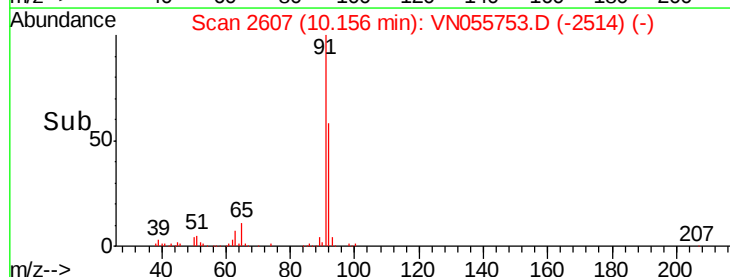
300000

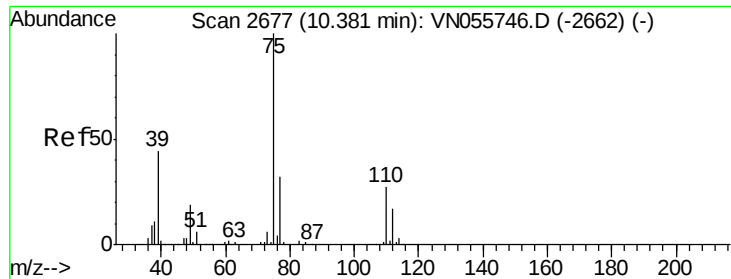
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.504 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

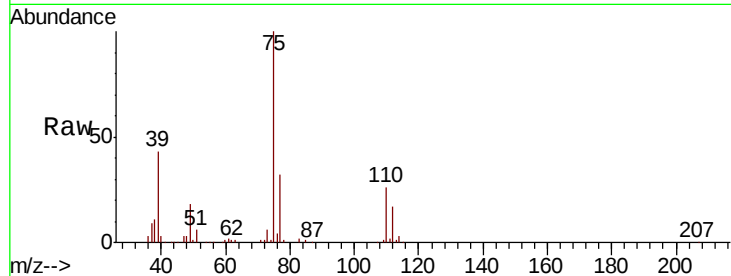
ClientSampleId :

Tot Ion: 75 Resp: 262087

Ion Ratio Lower Upper

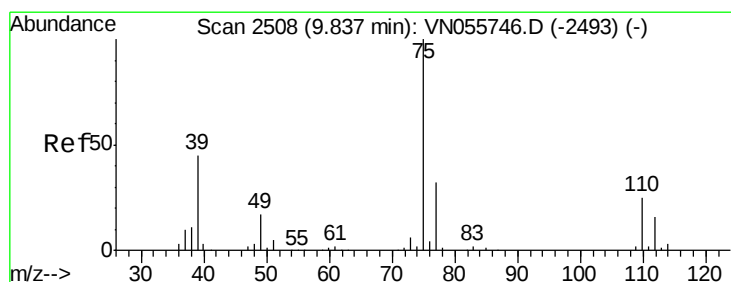
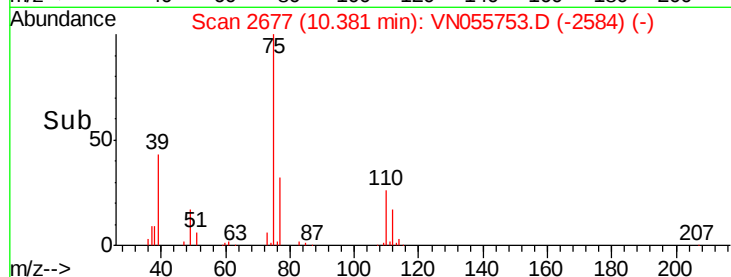
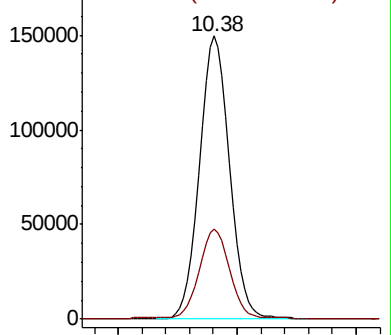
75 100

77 31.4 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.015 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

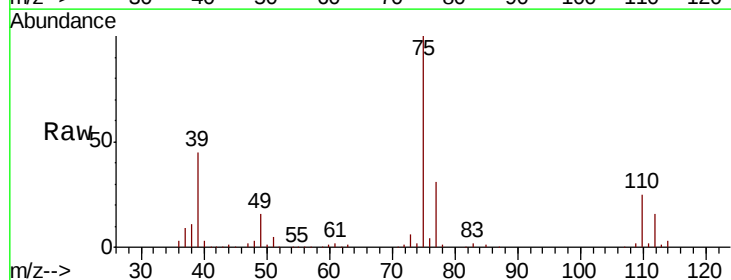
Tgt Ion: 75 Resp: 287530

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

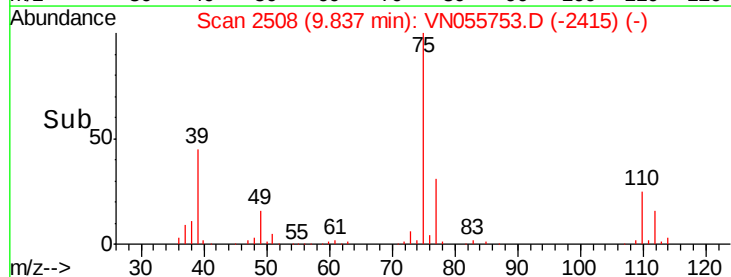
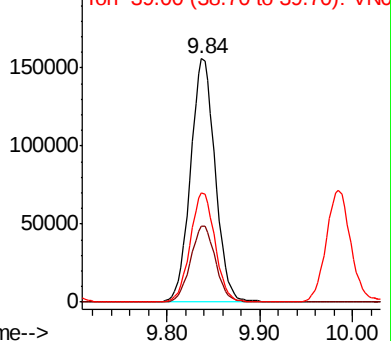
39 44.9 36.3 54.5

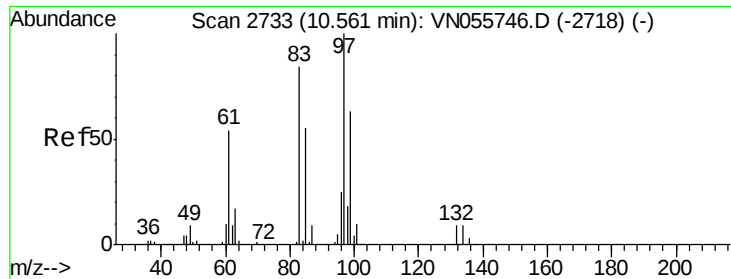


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 49.401 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 172711

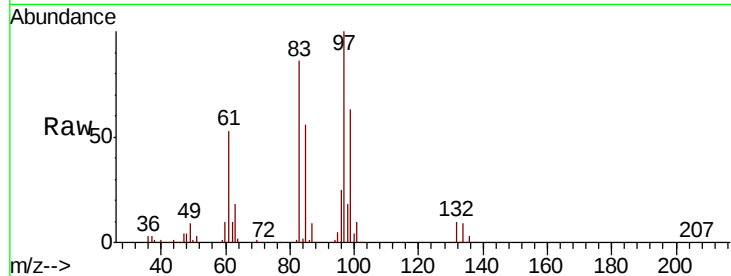
Ion Ratio Lower Upper

97 100

83 85.6 67.0 100.6

85 55.7 44.0 66.0

99 63.3 50.6 75.8

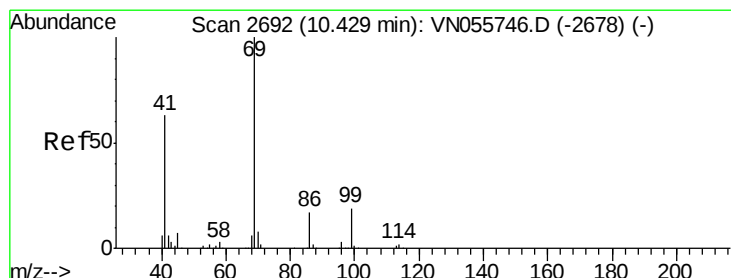
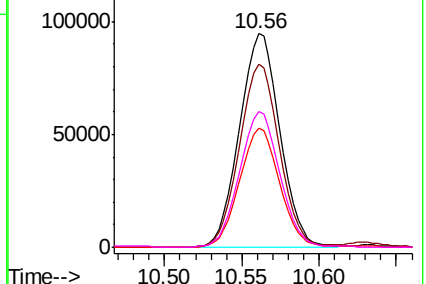
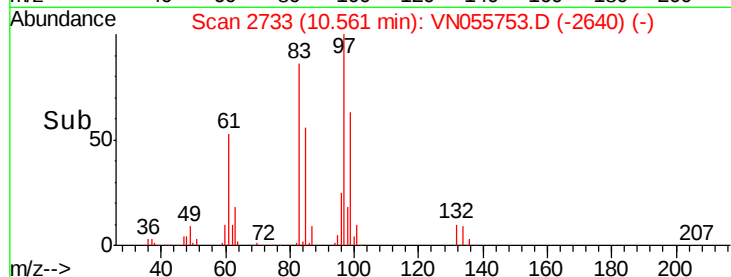


Abundance Ion 96.90 (96.60 to 97.60): VN055746.D (-2718) (-)

Ion 82.90 (82.60 to 83.60): VN055746.D (-2718) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2718) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-2718) (-)



#56

Ethyl methacrylate

Concen: 50.219 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

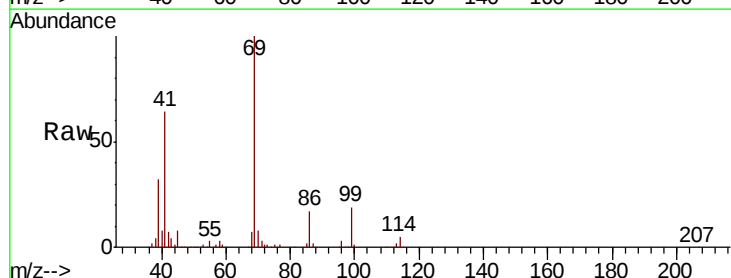
Tgt Ion: 69 Resp: 271336

Ion Ratio Lower Upper

69 100

41 63.5 49.7 74.5

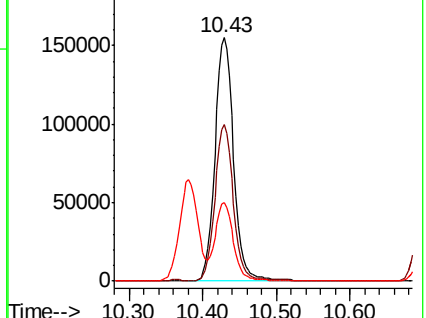
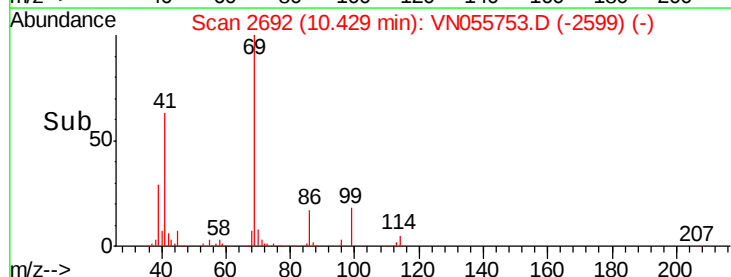
39 31.1 24.7 37.1

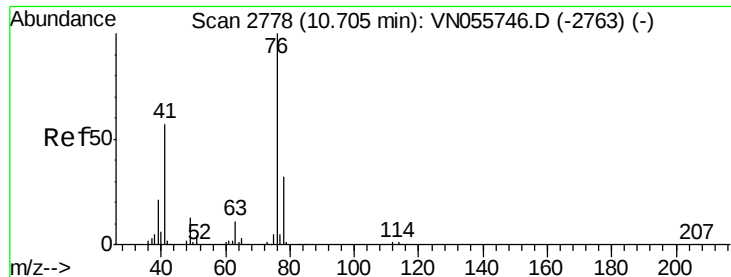


Abundance Ion 69.00 (68.70 to 69.70): VN055746.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN055746.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2678) (-)





#57

1,3-Dichloropropane

Concen: 49.210 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

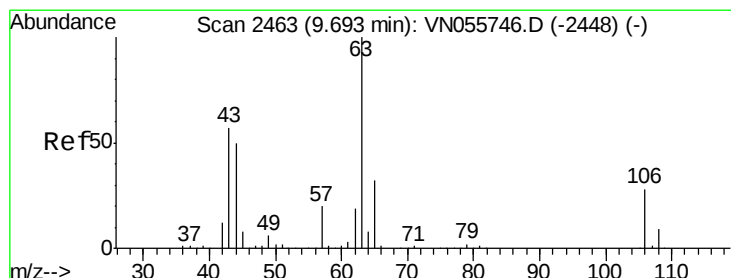
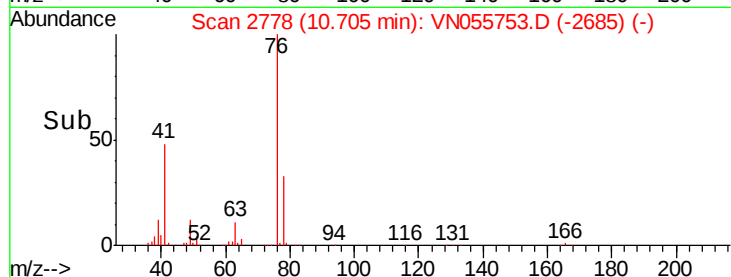
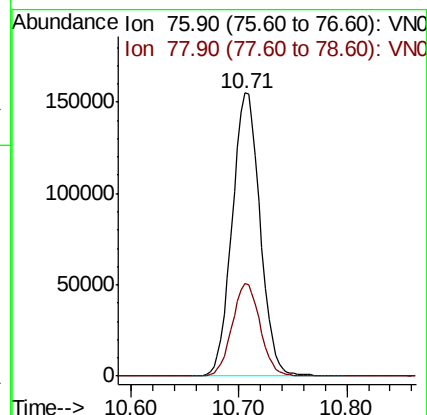
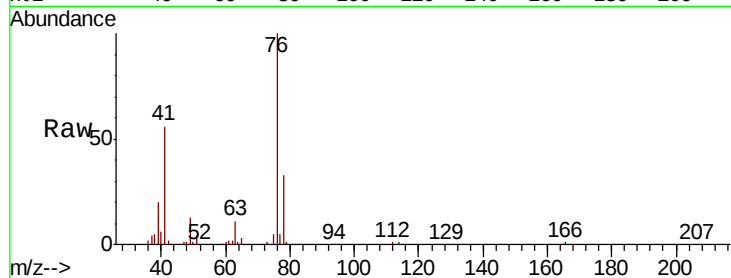
ClientSampled :

Tot Ion: 76 Resp: 279649

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 256.098 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055753.D

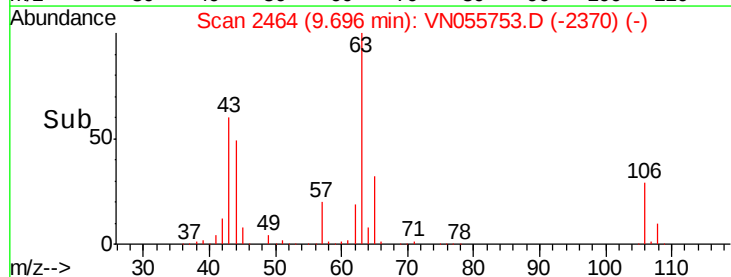
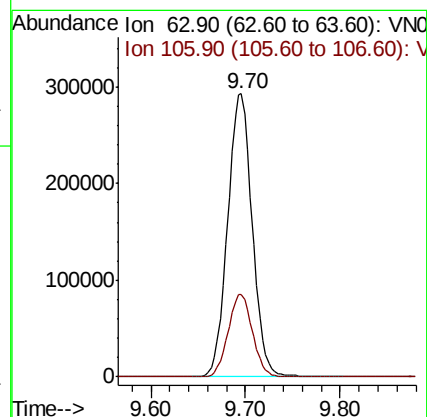
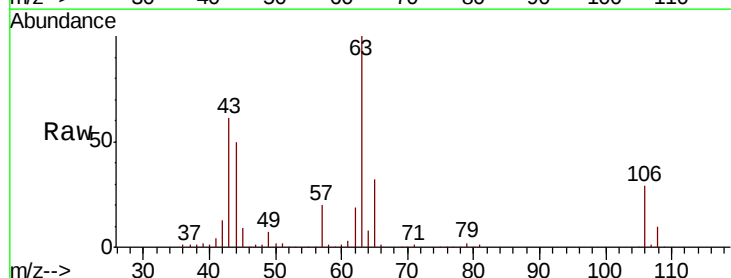
Acq: 23 May 2019 14:56

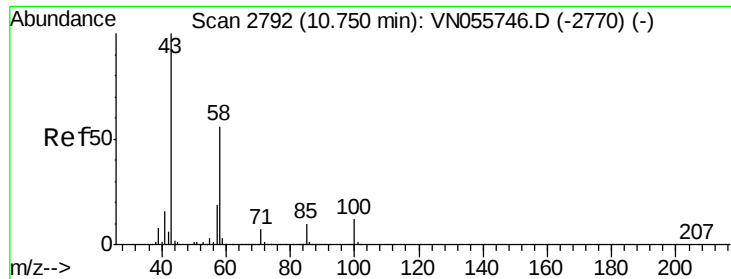
Tgt Ion: 63 Resp: 528801

Ion Ratio Lower Upper

63 100

106 28.9 22.7 34.1

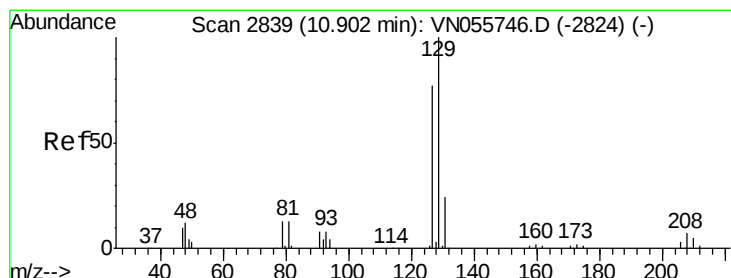
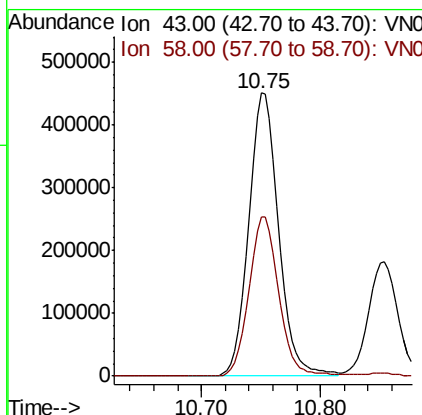
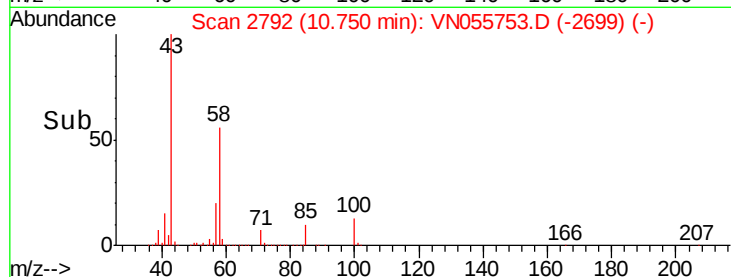
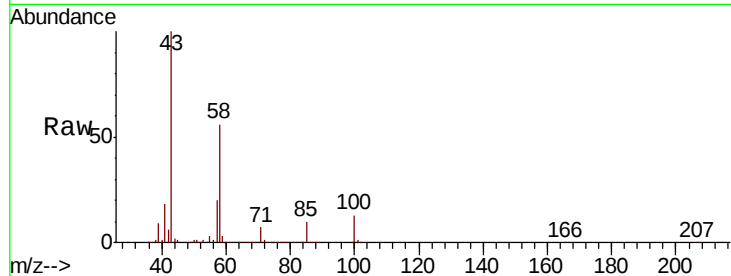




#59
2-Hexanone
Concen: 249.416 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

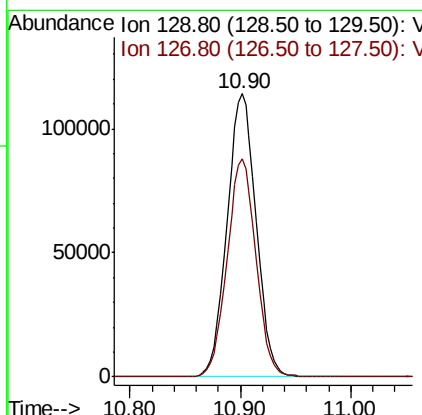
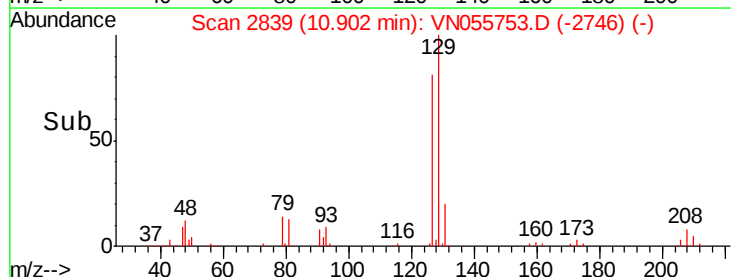
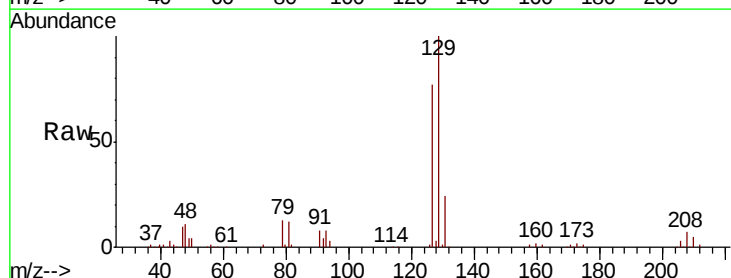
Instrument :
MSVOA_N
ClientSampled :

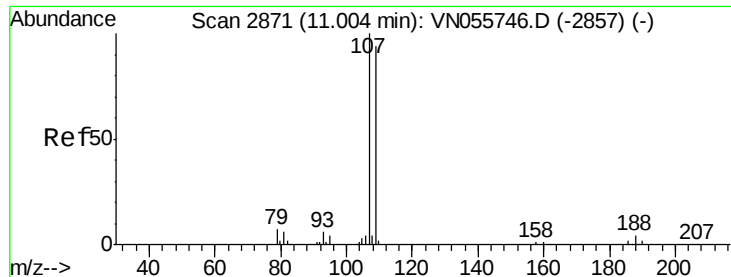
Tot Ion: 43 Resp: 781290
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7



#60
Dibromochloromethane
Concen: 51.152 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 129 Resp: 208327
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3

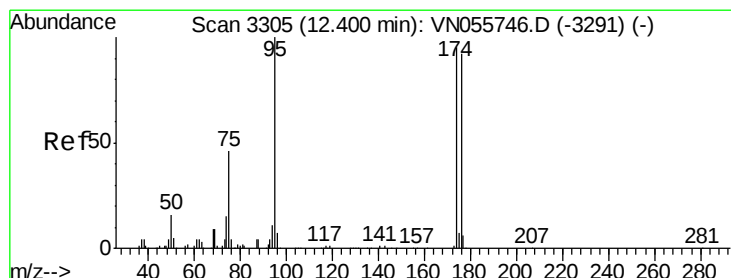
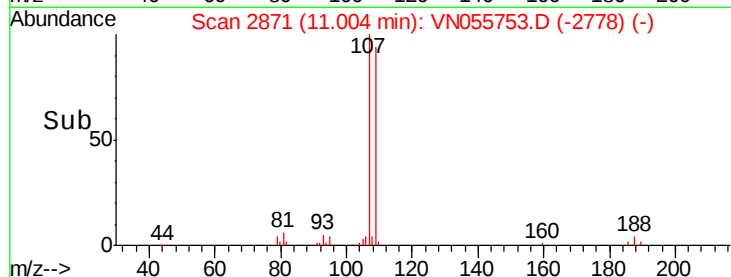
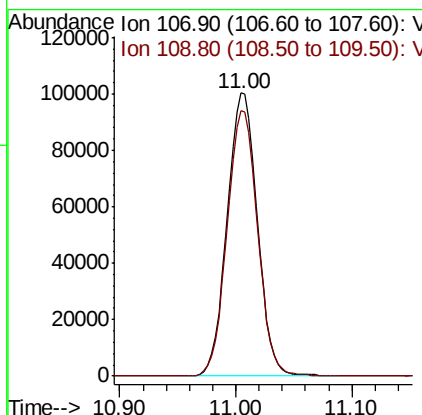
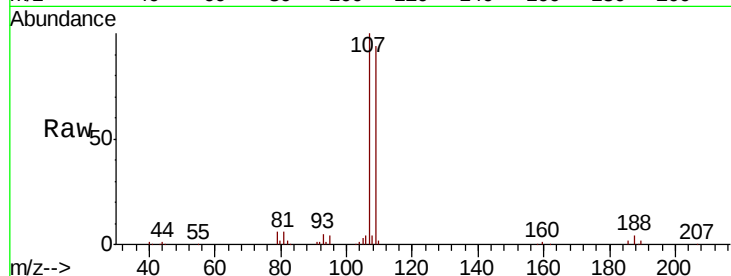




#61
 1,2-Dibromoethane
 Concen: 49.679 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

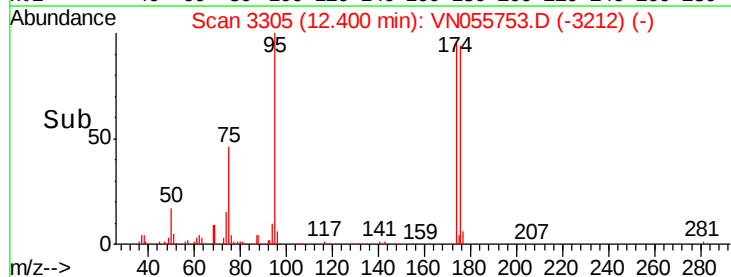
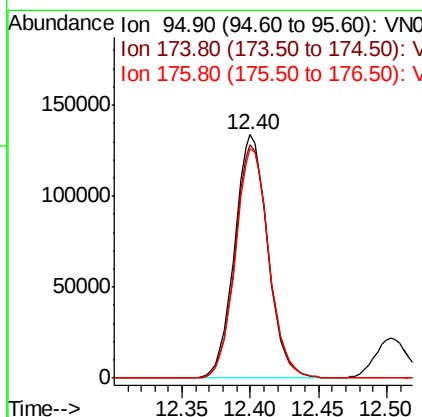
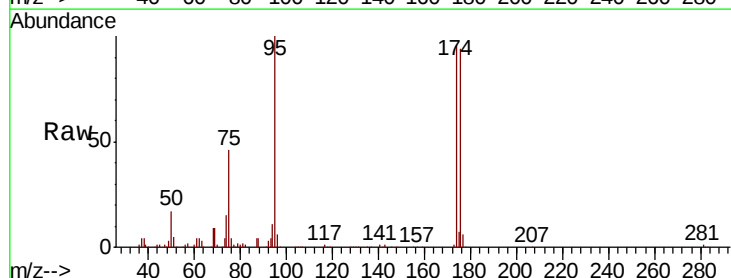
Instrument :
 MSVOA_N
 ClientSampled :

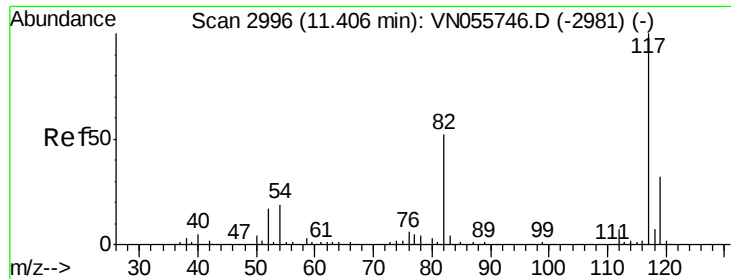
Tot Ion:107 Resp: 180151
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 51.252 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion: 95 Resp: 225168
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 191.0
 176 95.0 0.0 185.2

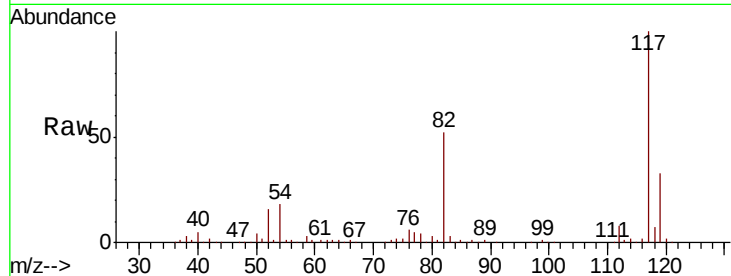




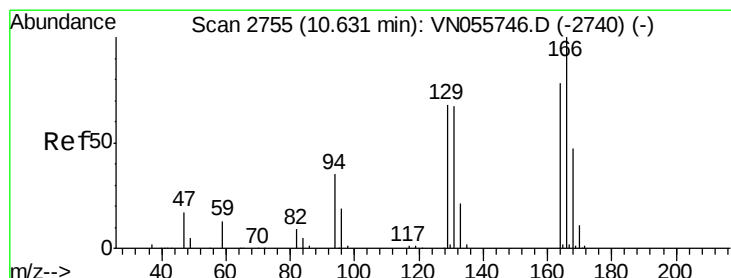
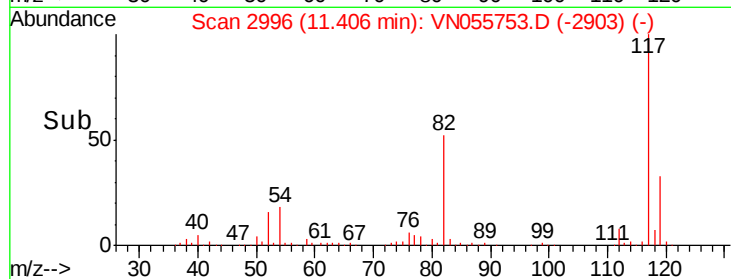
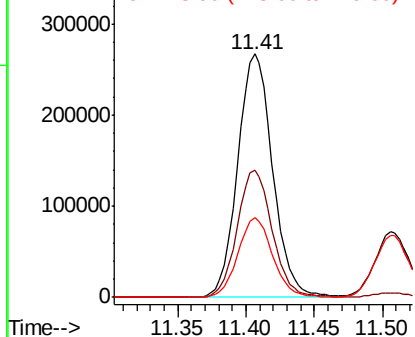
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 475142
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.7 25.4 38.0

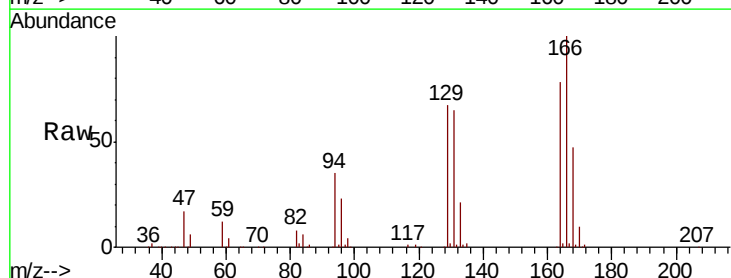


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

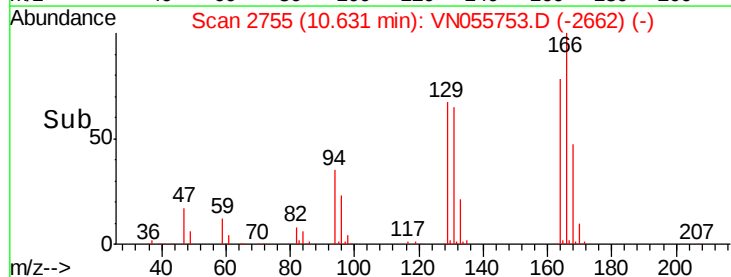
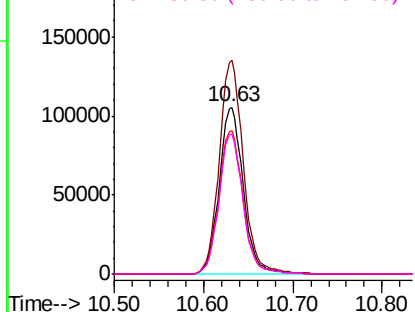


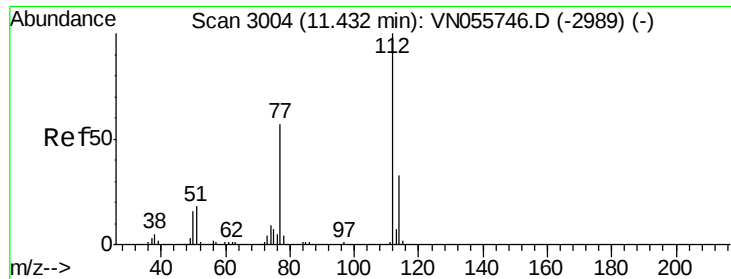
#64
Tetrachloroethene
Concen: 49.146 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion:164 Resp: 196948
Ion Ratio Lower Upper
164 100
166 128.1 103.0 154.6
129 85.9 70.6 105.8
131 83.6 68.6 102.8



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

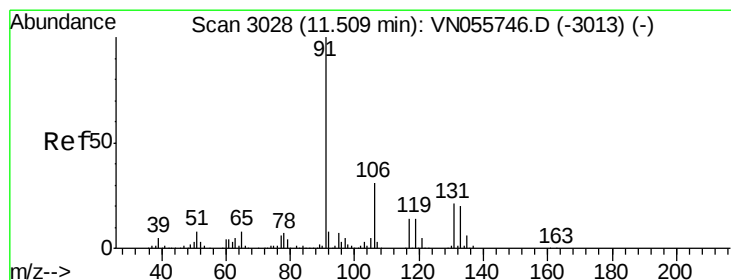
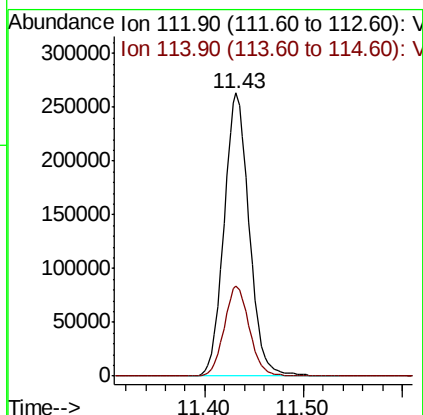
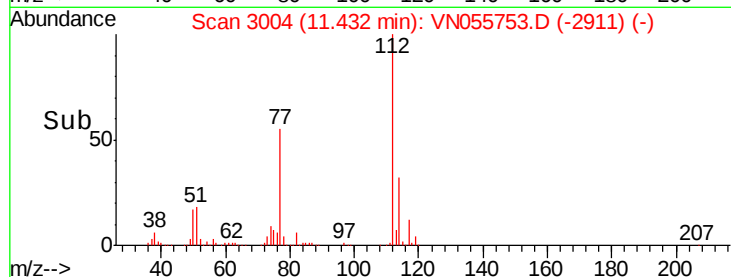
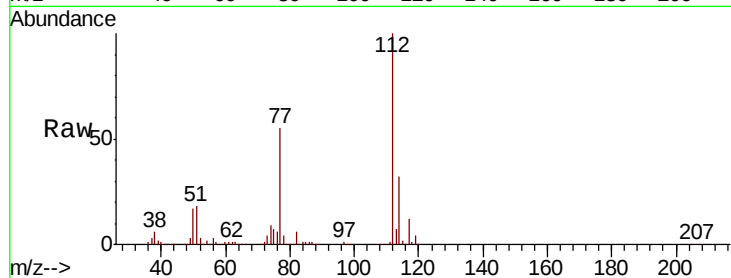




#65
Chlorobenzene
Concen: 49.590 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

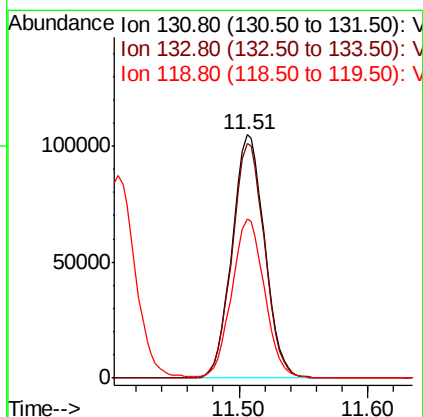
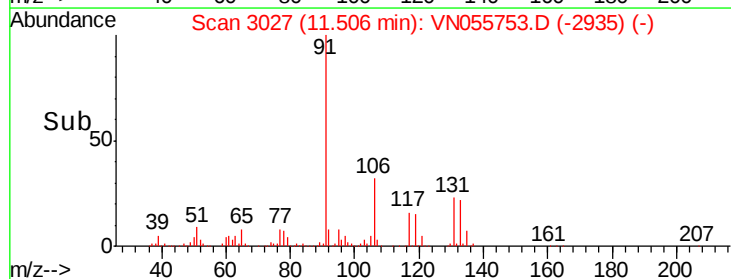
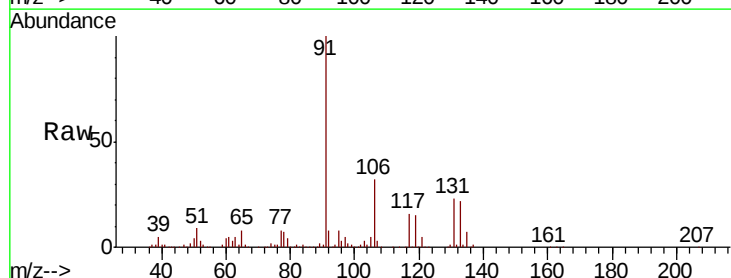
Instrument :
MSVOA_N
ClientSampleId :

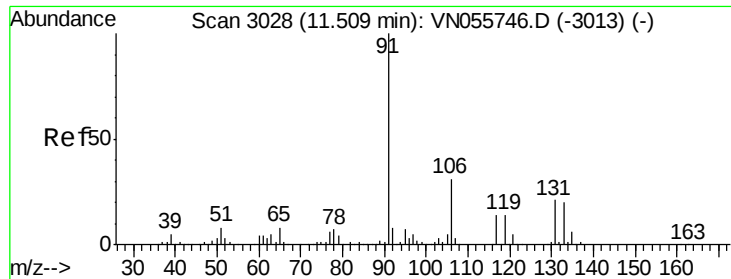
Tot Ion:112 Resp: 471687
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.568 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion:131 Resp: 184248
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 65.7 33.1 99.5

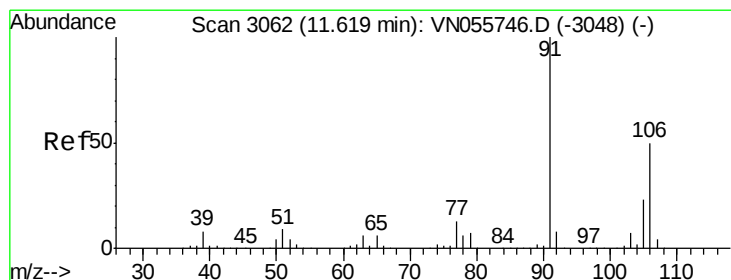
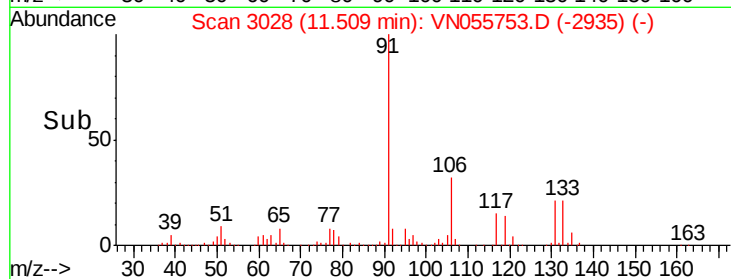
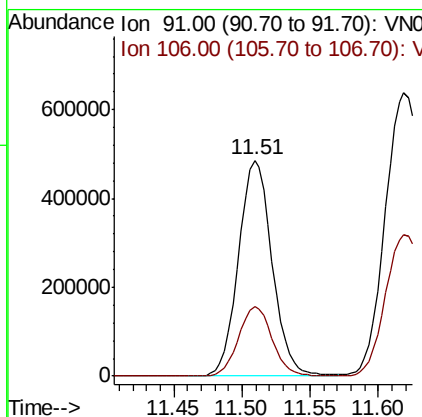
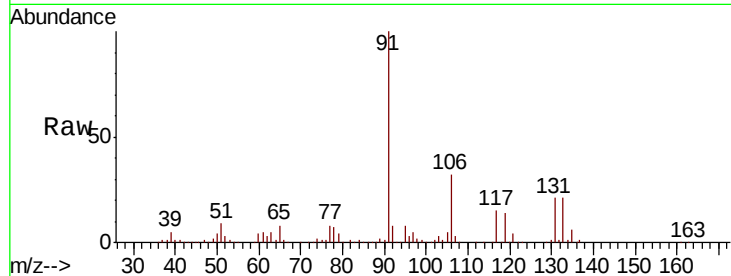




#67
Ethyl Benzene
Concen: 48.839 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

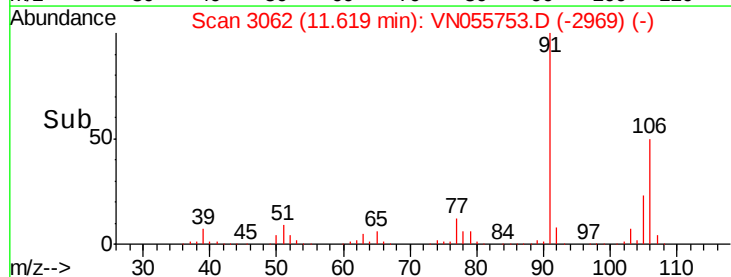
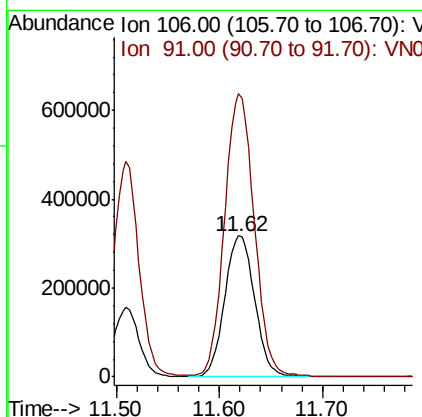
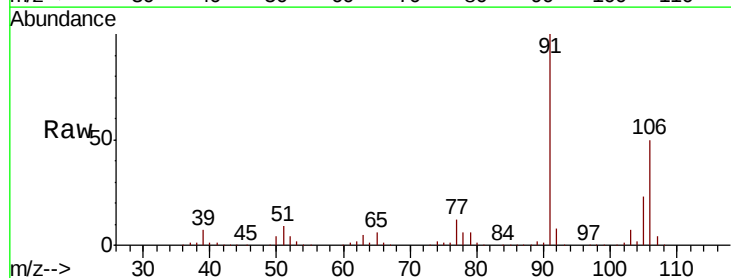
Instrument :
MSVOA_N
ClientSampled :

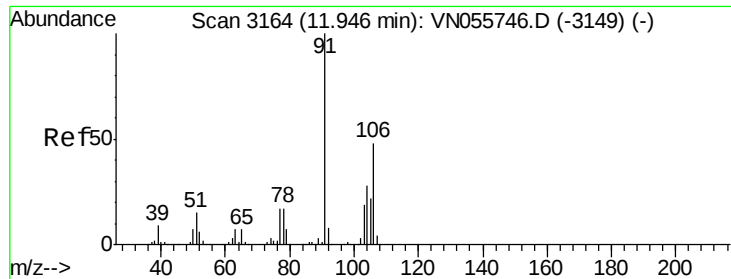
Tot Ion: 91 Resp: 833062
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#68
m/p-Xylenes
Concen: 99.981 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 106 Resp: 644730
Ion Ratio Lower Upper
106 100
91 198.9 159.3 238.9

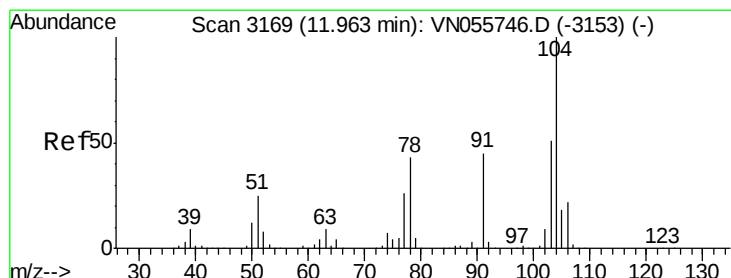
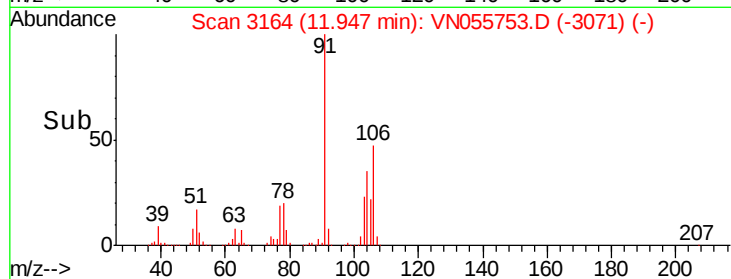
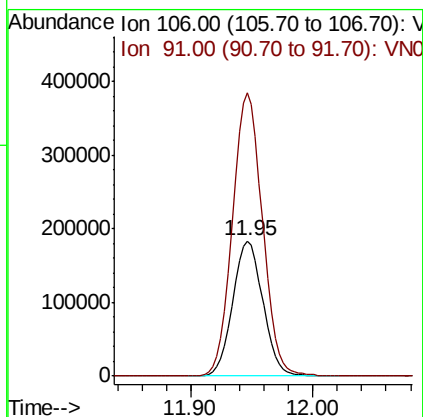
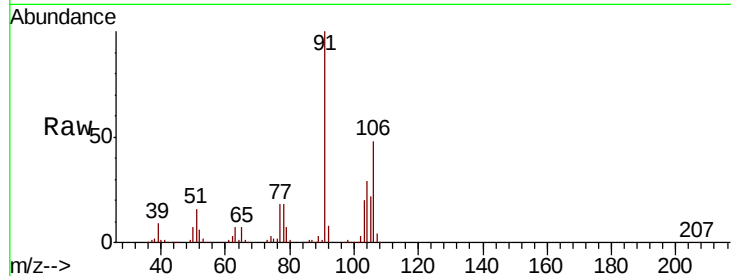




#69
o-Xylene
Concen: 49.426 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

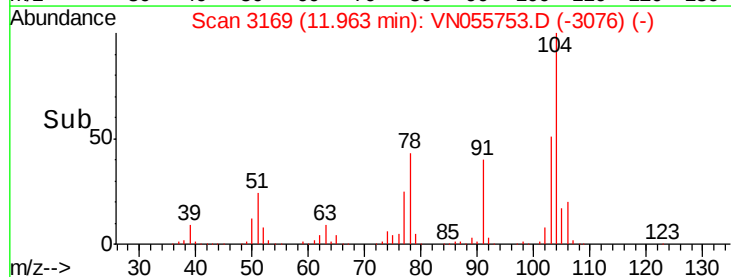
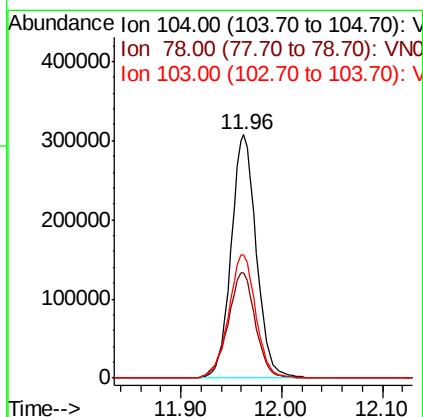
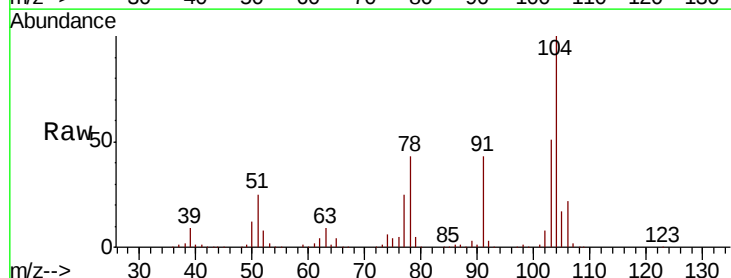
Instrument :
MSVOA_N
ClientSampled :

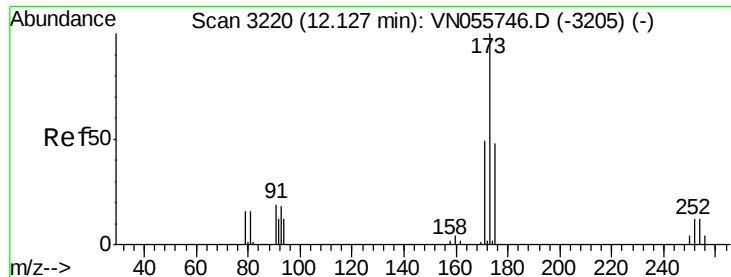
Tot Ion:106 Resp: 316217
Ion Ratio Lower Upper
106 100
91 207.7 104.7 314.1



#70
Styrene
Concen: 51.566 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion:104 Resp: 534255
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 54.9 44.2 66.2





#71

Bromoform

Concen: 50.546 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

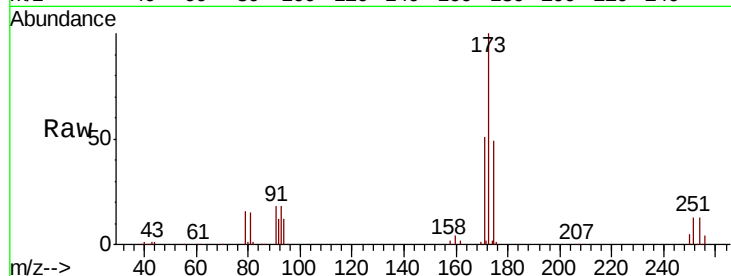
Tot Ion:173 Resp: 163560

Ion Ratio Lower Upper

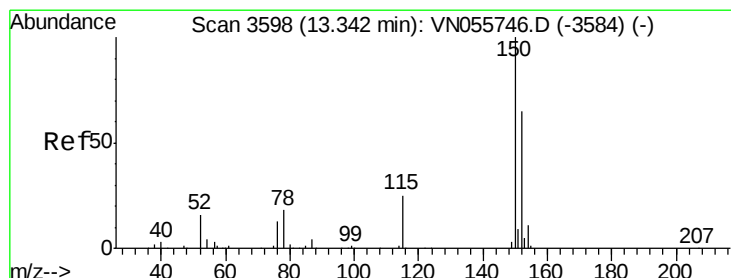
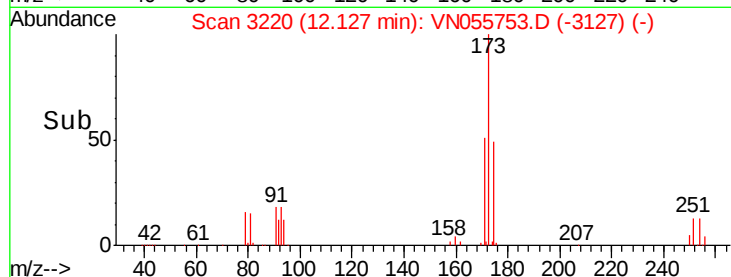
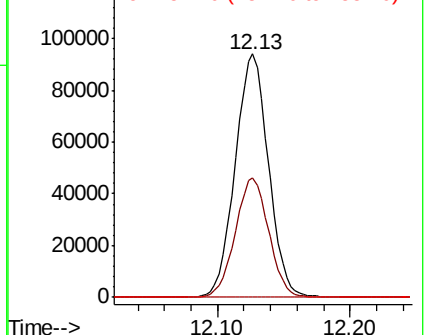
173 100

175 49.2 24.3 72.8

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: VN055753.D

Acq: 23 May 2019 14:56

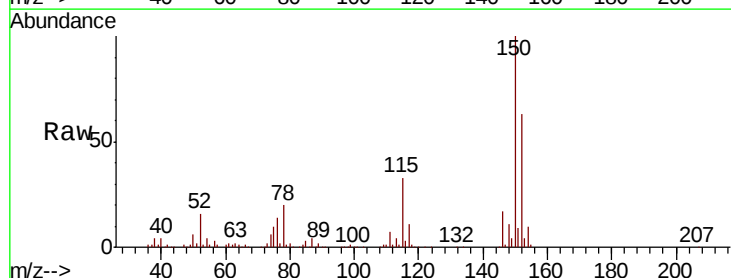
Tgt Ion:152 Resp: 227329

Ion Ratio Lower Upper

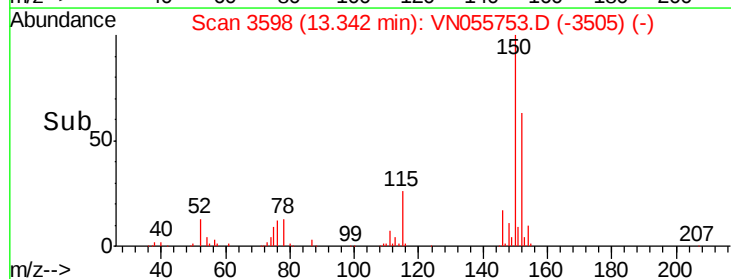
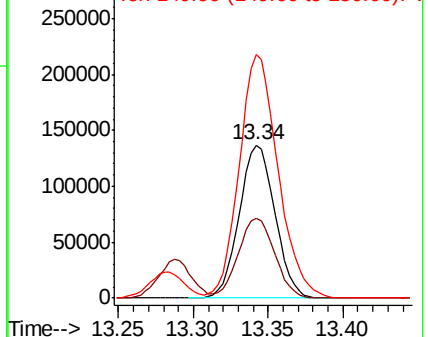
152 100

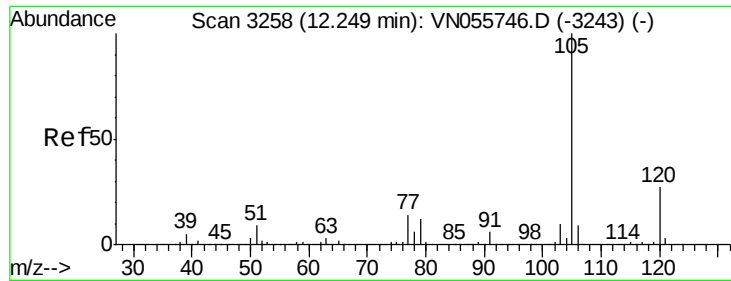
115 53.2 27.0 81.0

150 172.9 0.0 343.2



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: 51.562 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

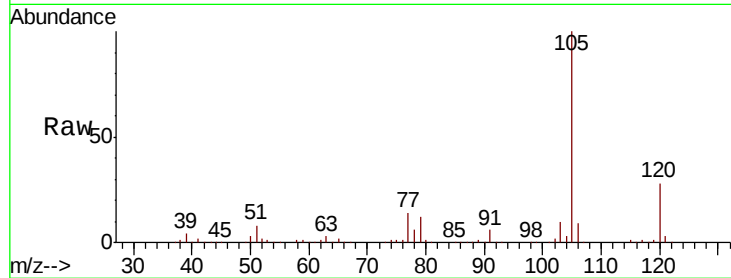
ClientSampled :

Tot Ion:105 Resp: 832449

Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

500000

400000

300000

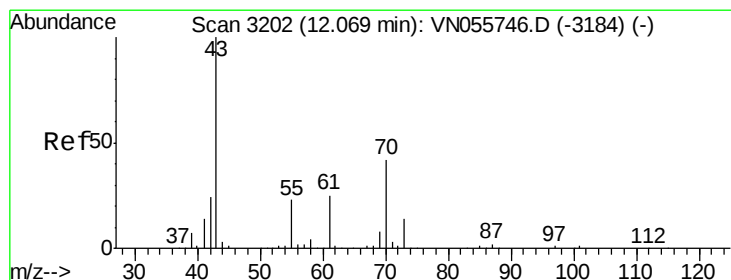
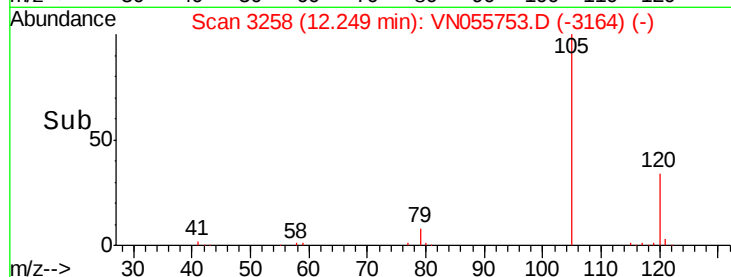
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 48.931 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Tgt Ion: 43 Resp: 301510

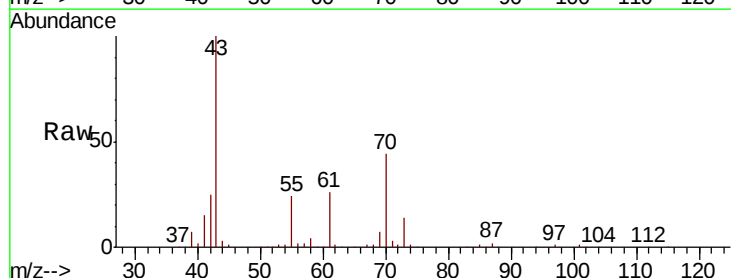
Ion Ratio Lower Upper

43 100

70 43.4 34.0 51.0

55 23.8 18.6 28.0

61 25.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

150000

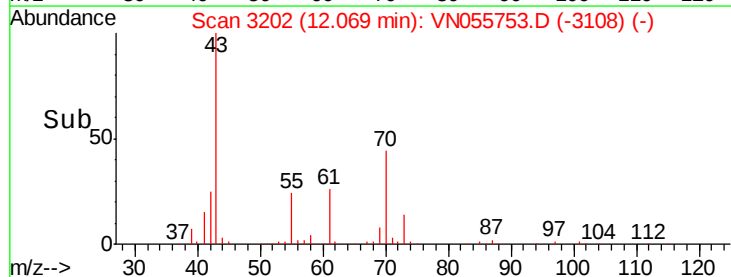
100000

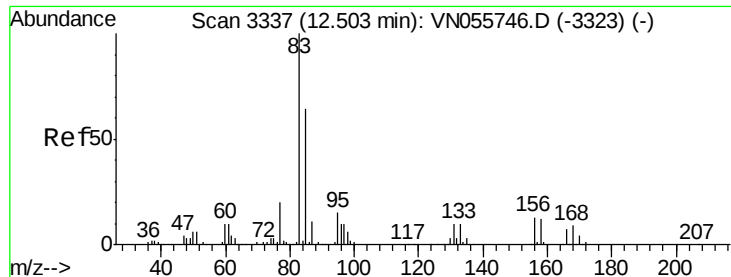
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 50.494 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

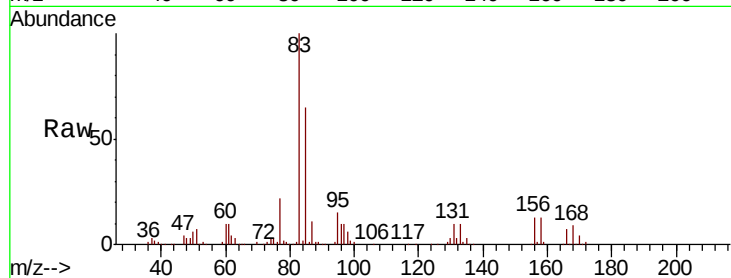
Tot Ion: 83 Resp: 241676

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

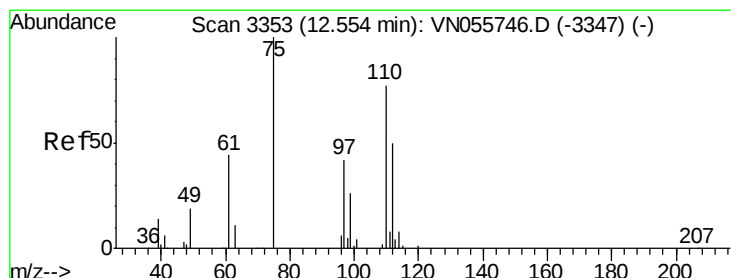
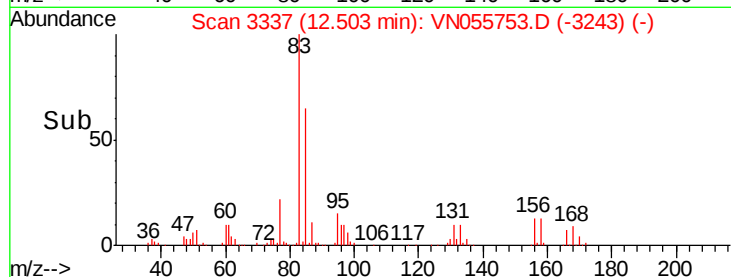
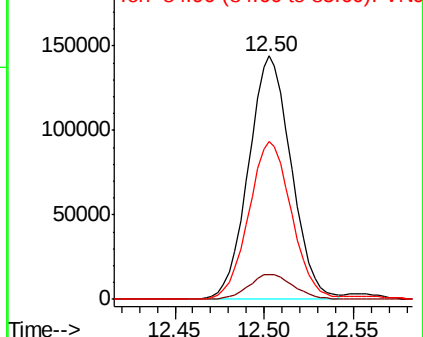
85 65.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 78.776 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055753.D

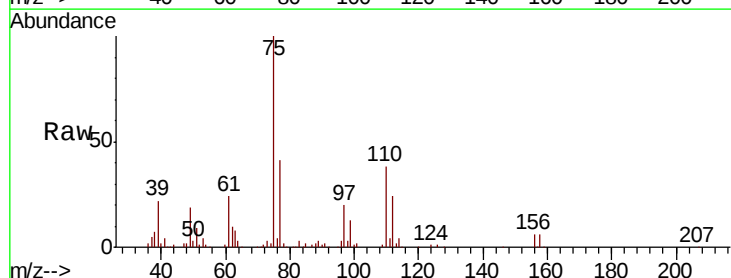
Acq: 23 May 2019 14:56

Tgt Ion: 75 Resp: 301263

Ion Ratio Lower Upper

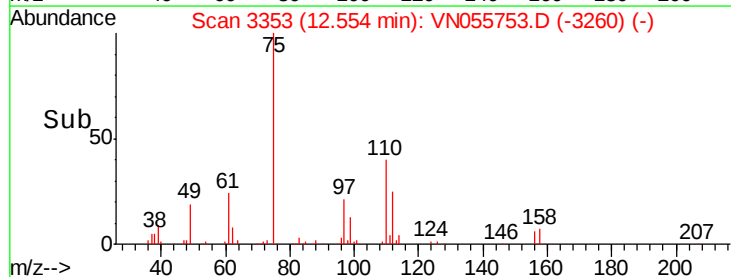
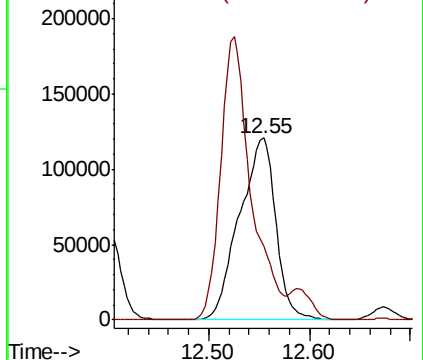
75 100

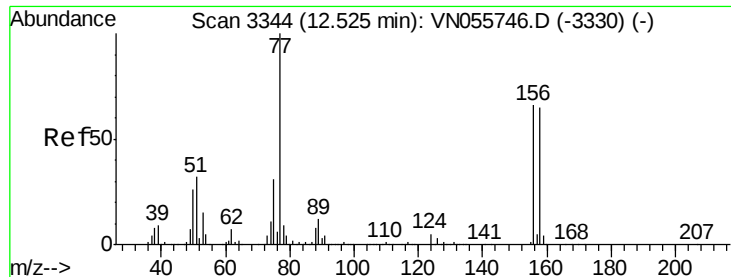
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

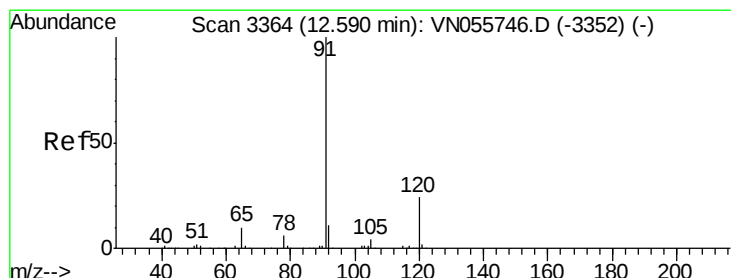
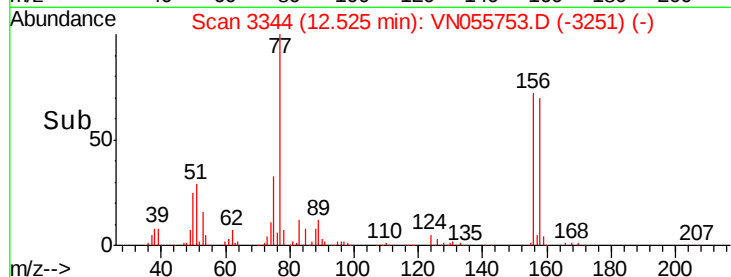
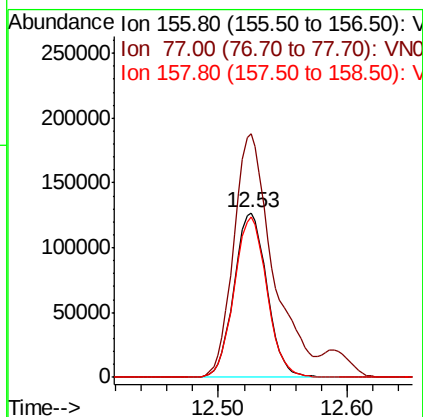
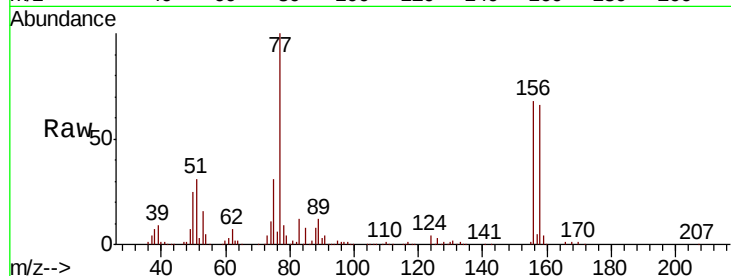




#77
Bromobenzene
Concen: 46.357 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

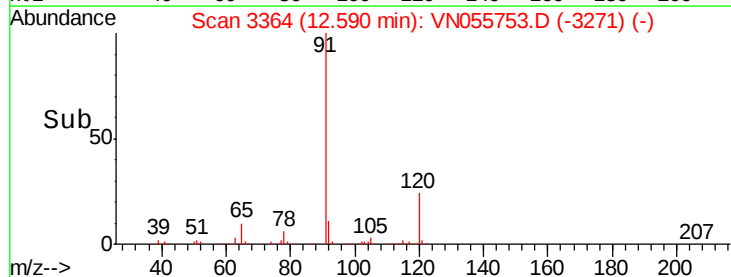
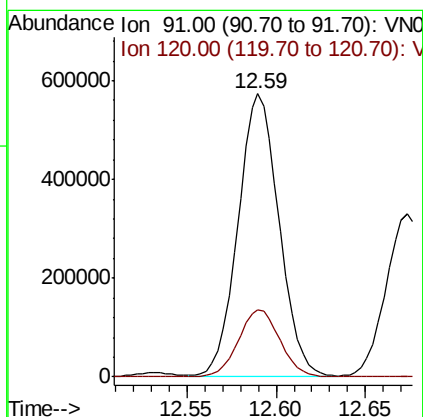
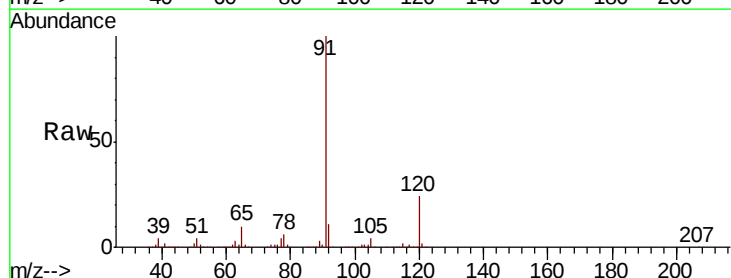
Instrument :
MSVOA_N
ClientSampled :

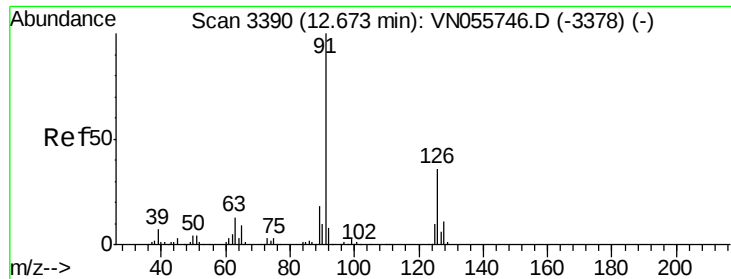
Tot Ion:156 Resp: 224876
Ion Ratio Lower Upper
156 100
77 177.0 90.8 272.5
158 97.1 49.3 147.8



#78
n-propylbenzene
Concen: 46.274 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 91 Resp: 914275
Ion Ratio Lower Upper
91 100
120 24.3 12.0 36.0





#79

2-Chlorotoluene

Concen: 51.164 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

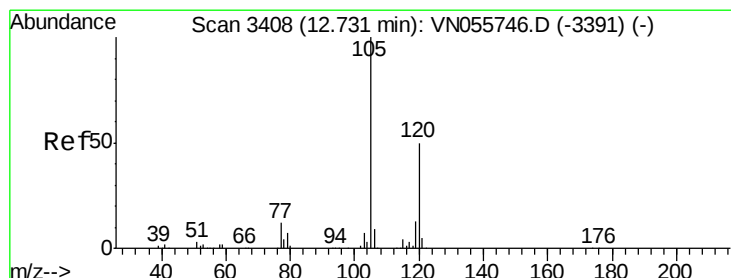
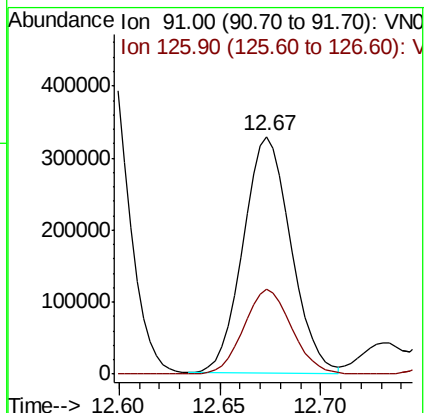
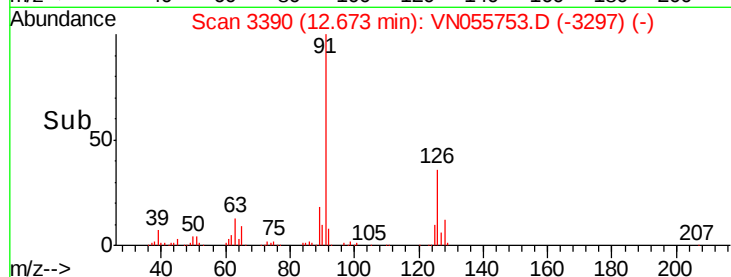
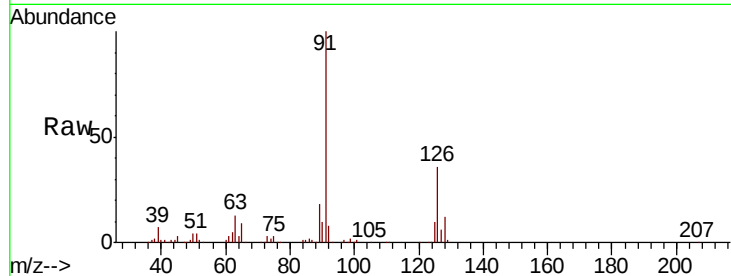
ClientSampled :

Tot Ion: 91 Resp: 543885

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 51.503 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055753.D

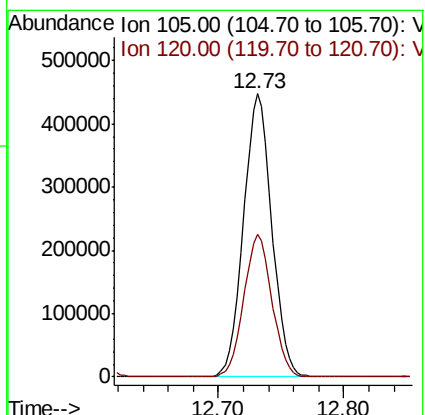
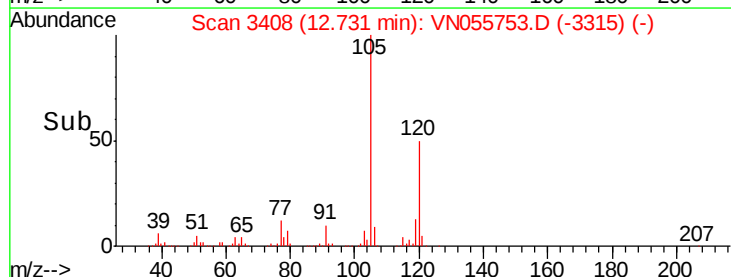
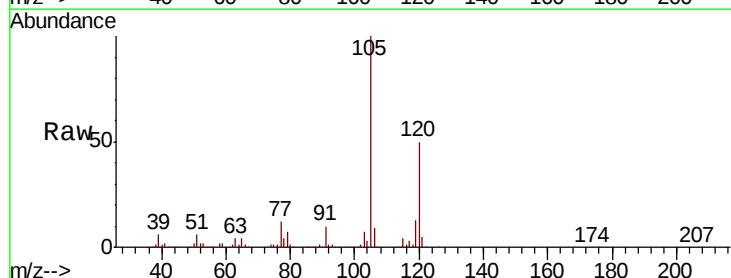
Acq: 23 May 2019 14:56

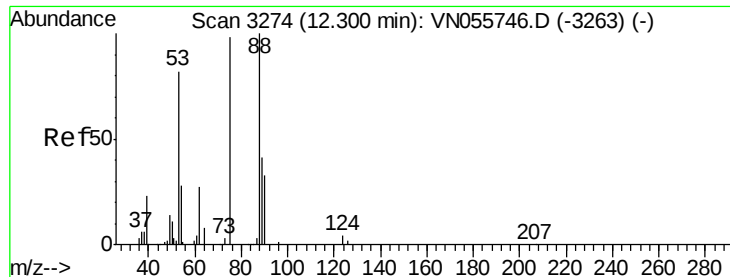
Tgt Ion: 105 Resp: 699977

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1

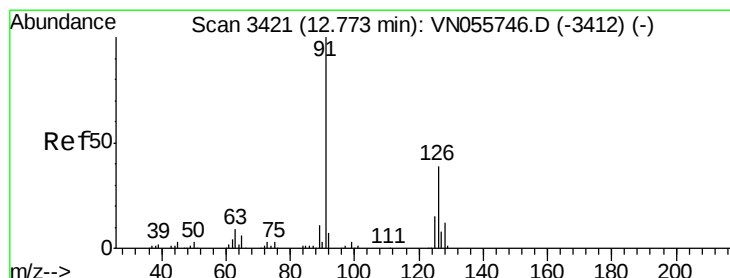
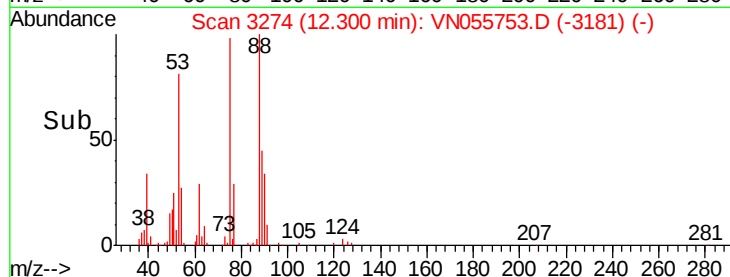
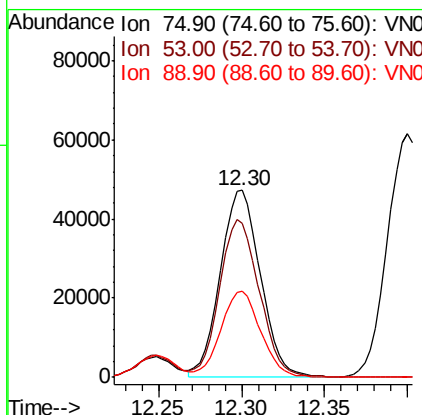
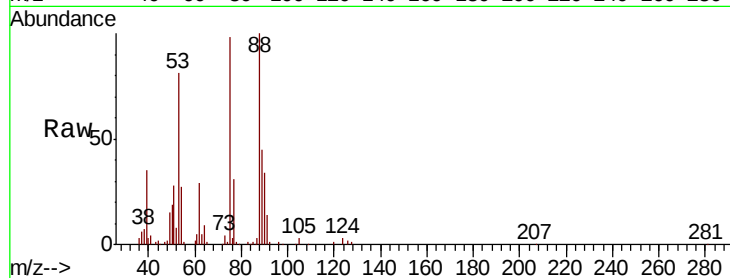




#81
trans-1,4-Dichloro-2-butene
Concen: 47.194 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

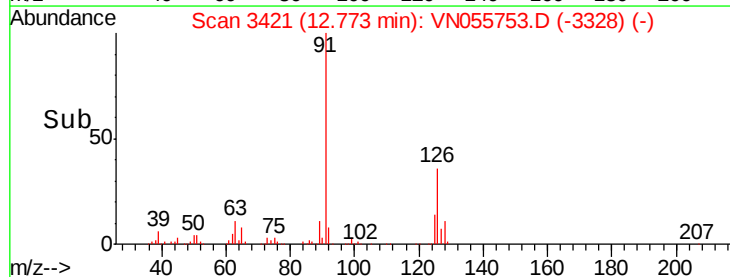
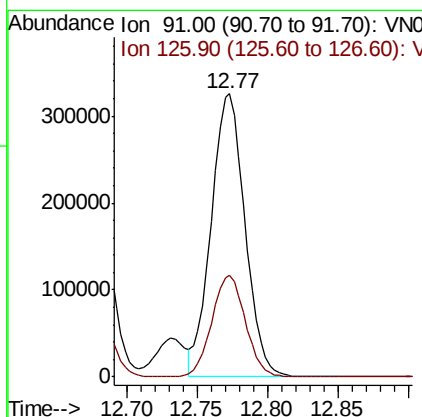
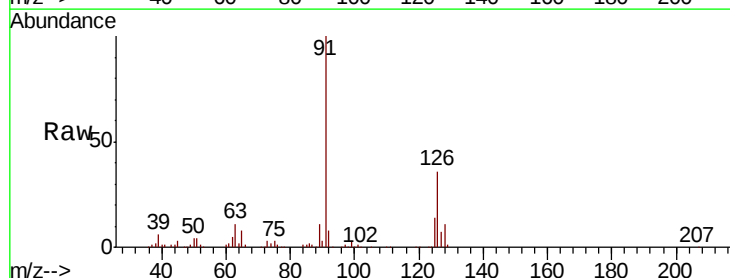
Instrument :
MSVOA_N
ClientSampleId :

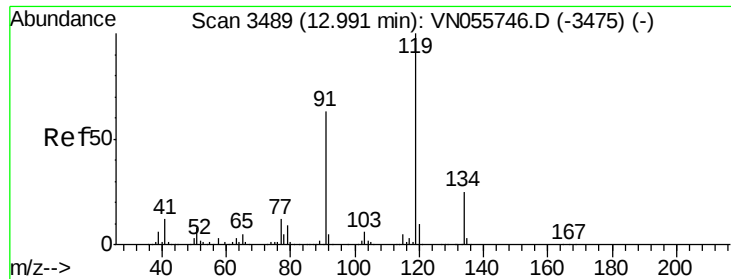
Tot Ion: 75 Resp: 79737
Ion Ratio Lower Upper
75 100
53 83.7 68.1 102.1
89 45.8 36.9 55.3



#82
4-Chlorotoluene
Concen: 46.457 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 91 Resp: 539566
Ion Ratio Lower Upper
91 100
126 35.8 17.8 53.3

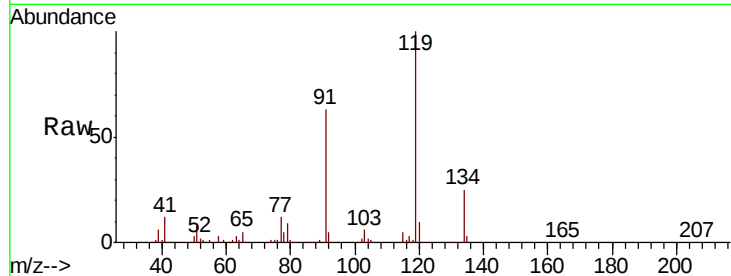




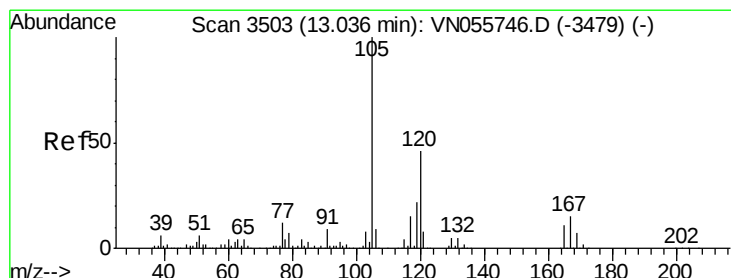
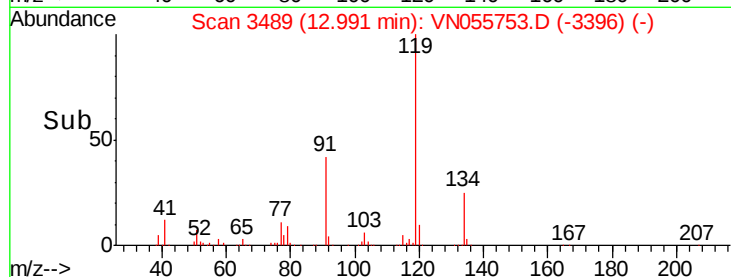
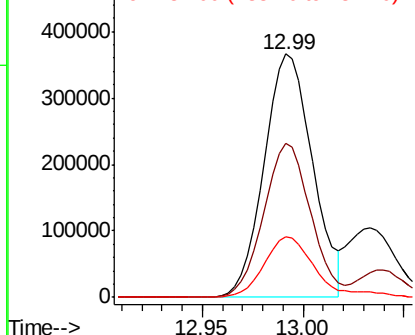
#83
tert-Butylbenzene
Concen: 52.271 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 613383
Ion Ratio Lower Upper
119 100
91 61.3 30.9 92.8
134 26.4 13.3 39.8

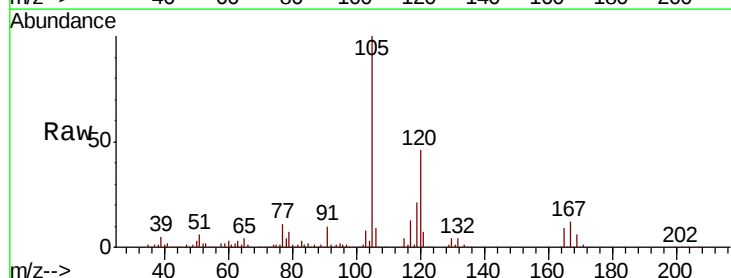


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

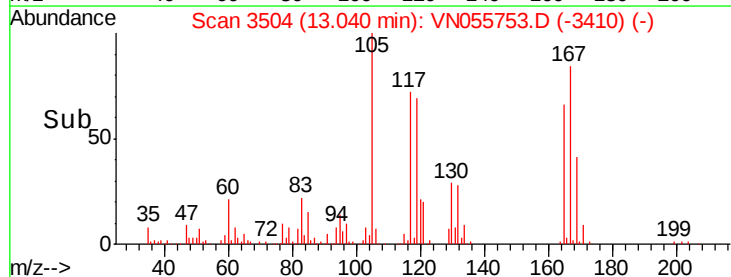
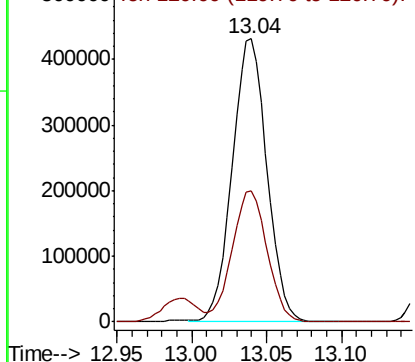


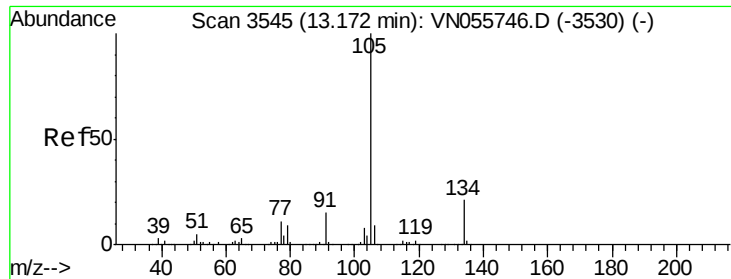
#84
1,2,4-Trimethylbenzene
Concen: 51.203 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion:105 Resp: 695036
Ion Ratio Lower Upper
105 100
120 46.7 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 52.009 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

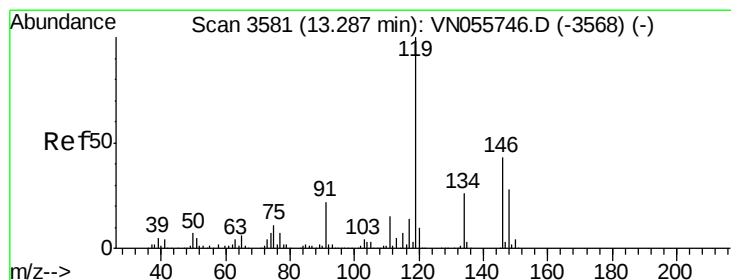
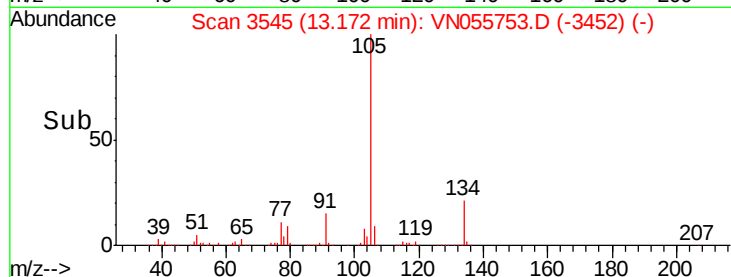
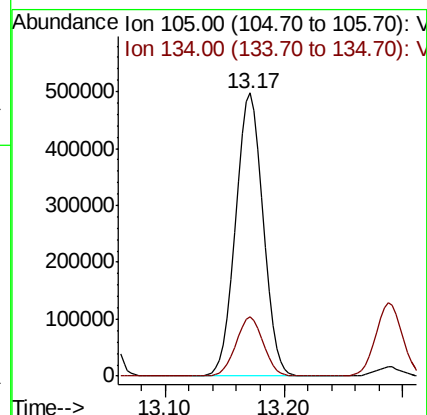
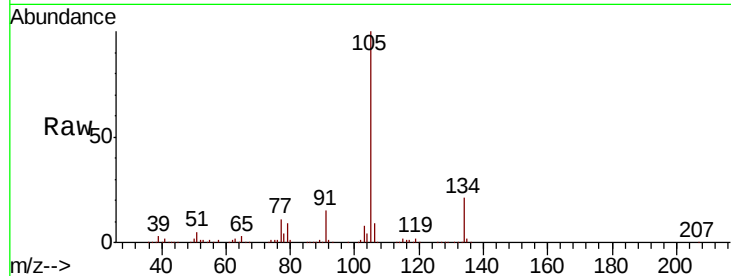
ClientSampled :

Tot Ion:105 Resp: 794458

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.2



#86

p-Isopropyltoluene

Concen: 47.051 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

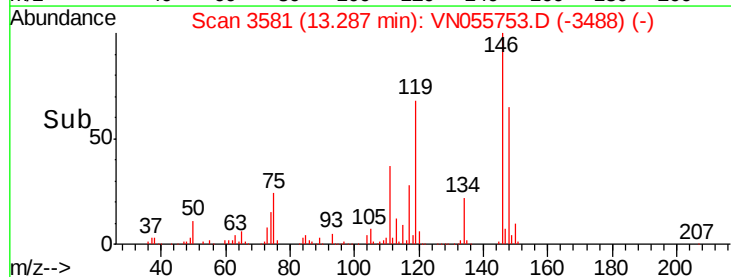
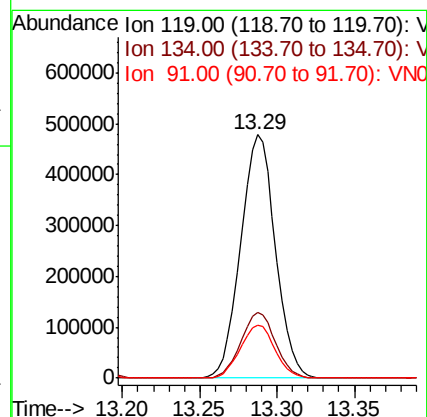
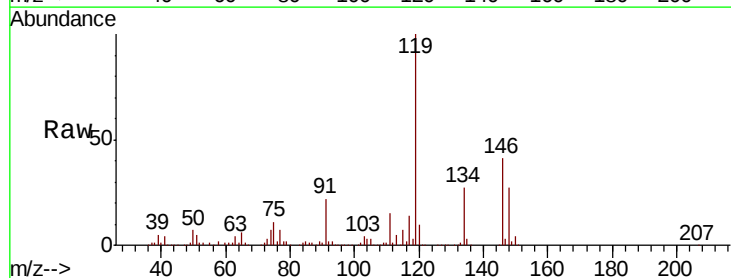
Tgt Ion:119 Resp: 742804

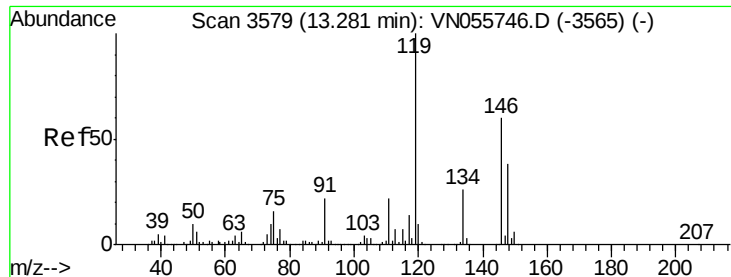
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.8 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 48.454 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

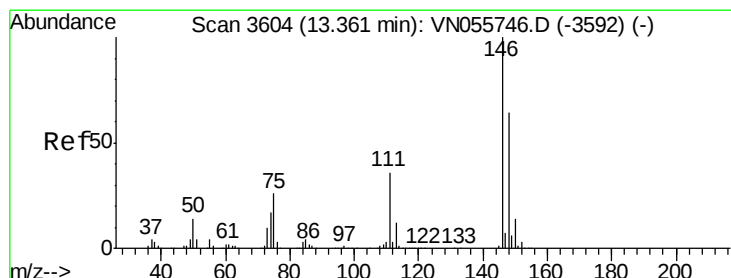
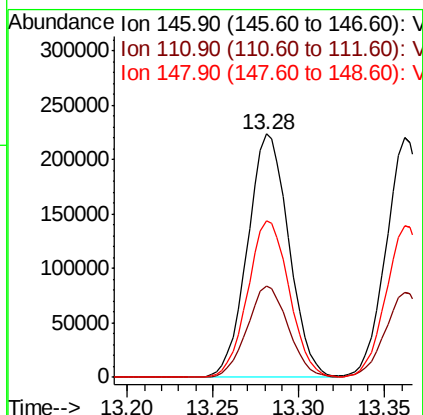
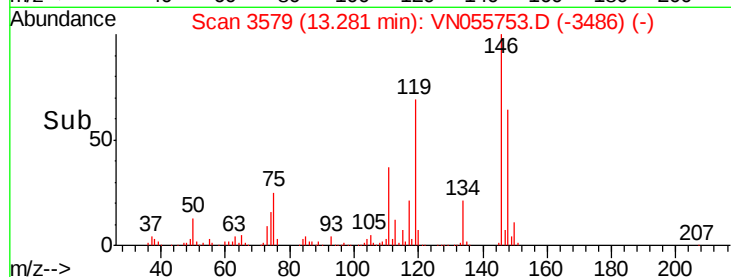
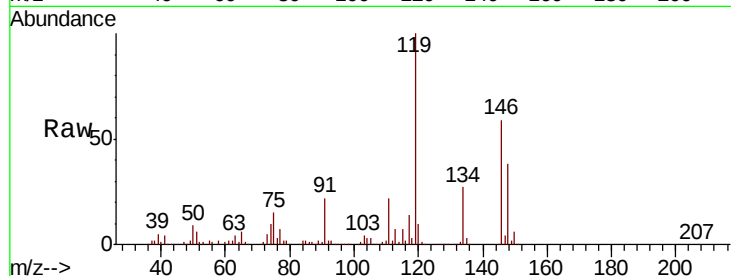
Tot Ion:146 Resp: 372186

Ion Ratio Lower Upper

146 100

111 37.3 18.5 55.5

148 64.6 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 49.595 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

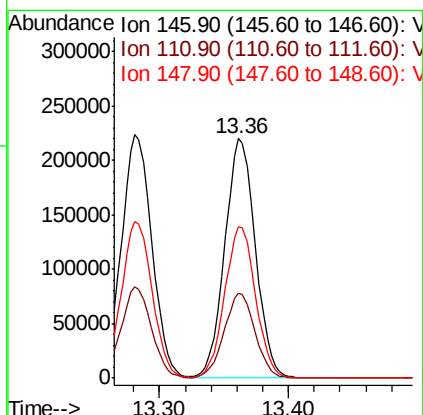
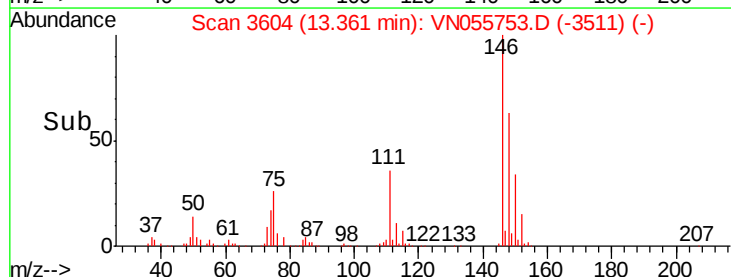
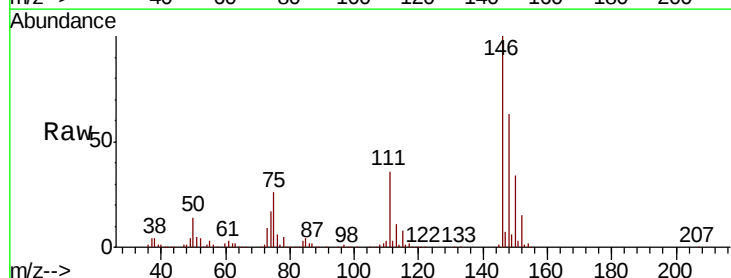
Tgt Ion:146 Resp: 362187

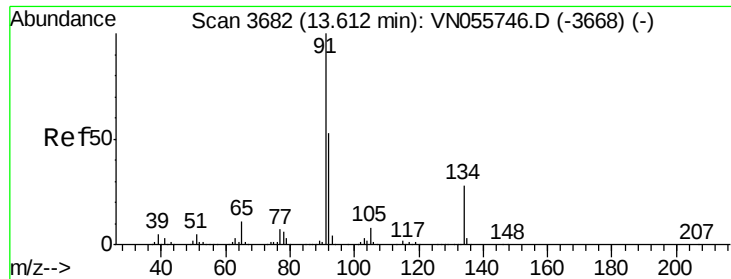
Ion Ratio Lower Upper

146 100

111 35.6 18.1 54.4

148 63.8 32.1 96.5

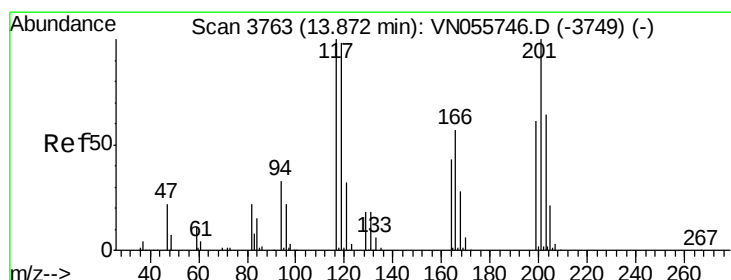
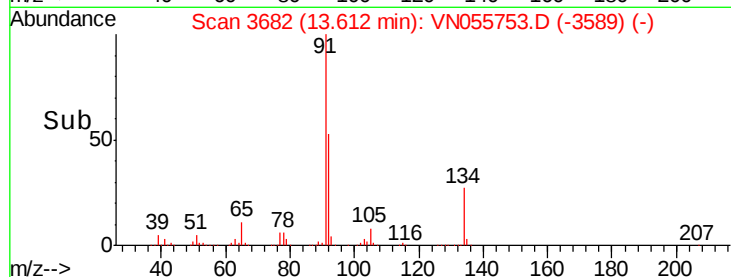
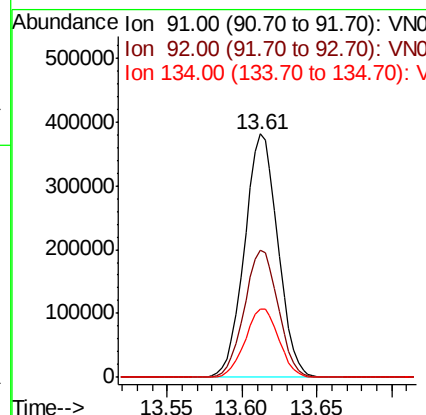
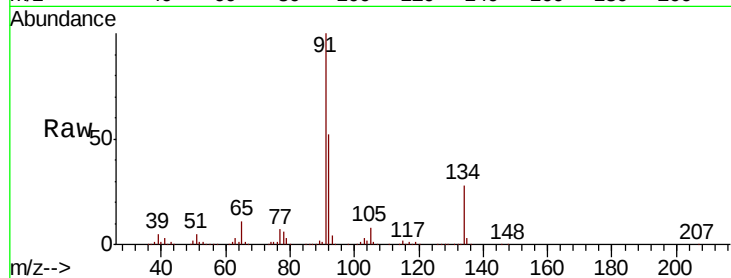




#89
n-Butylbenzene
Concen: 48.852 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

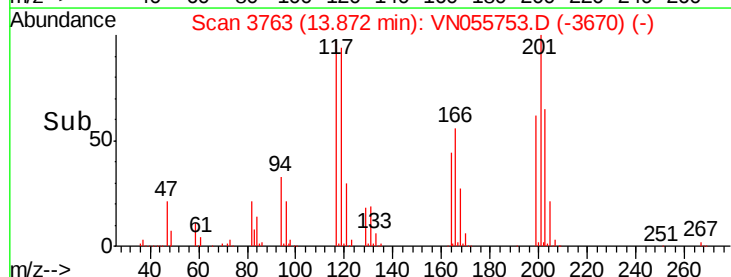
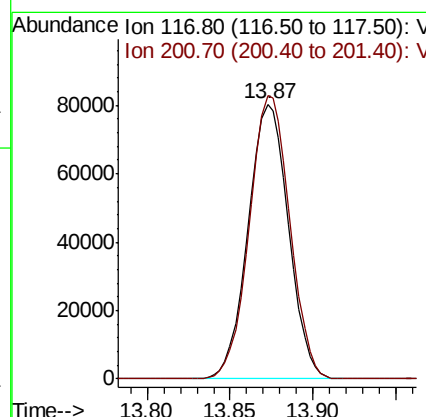
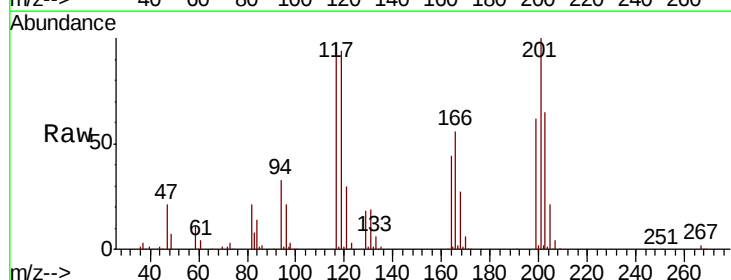
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 590927
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.0
134 28.4 13.9 41.7



#90
Hexachloroethane
Concen: 45.377 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055753.D
Acq: 23 May 2019 14:56

Tgt Ion: 117 Resp: 136353
Ion Ratio Lower Upper
117 100
201 103.1 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 47.443 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampled :

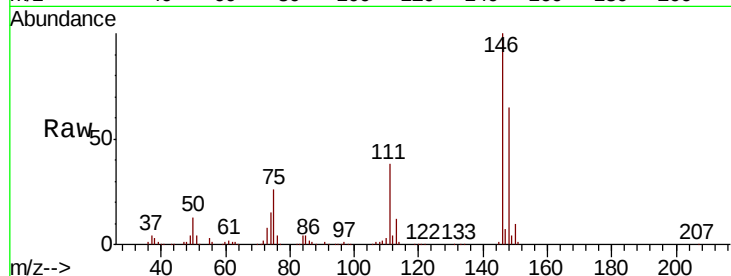
Tot Ion:146 Resp: 363578

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.5

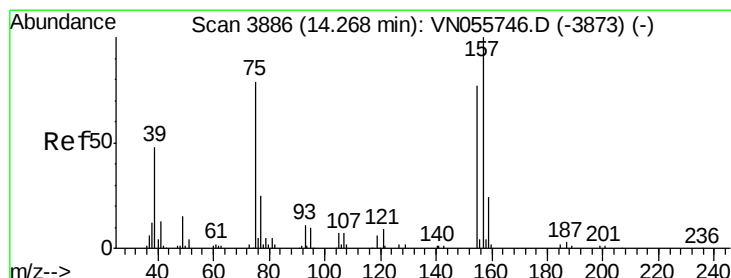
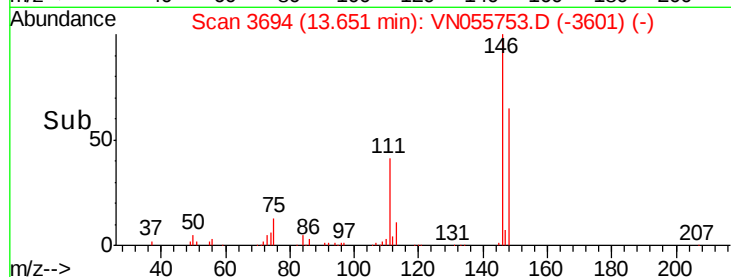
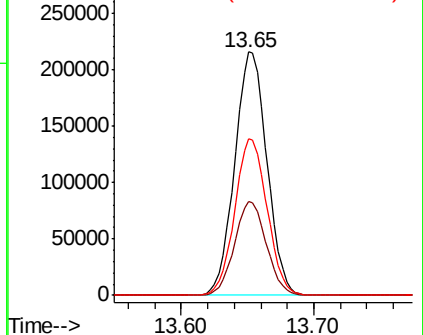
148 64.5 31.9 95.9



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: 43.502 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

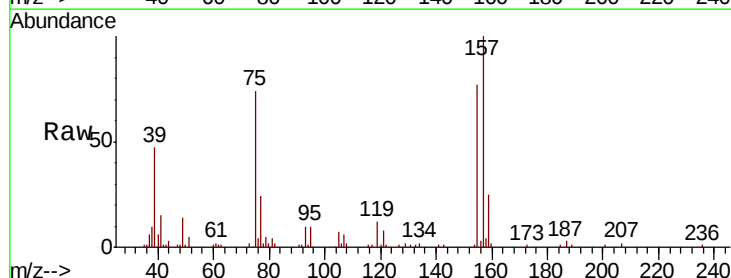
Tgt Ion: 75 Resp: 43818

Ion Ratio Lower Upper

75 100

155 104.9 50.0 150.1

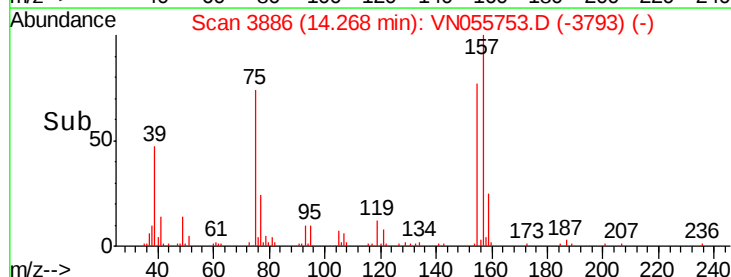
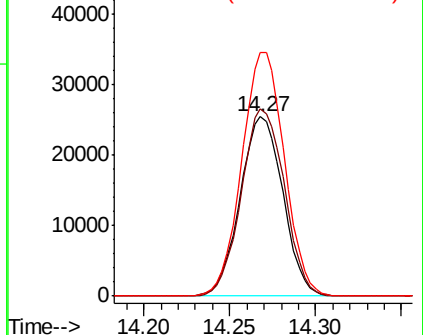
157 135.4 64.8 194.3

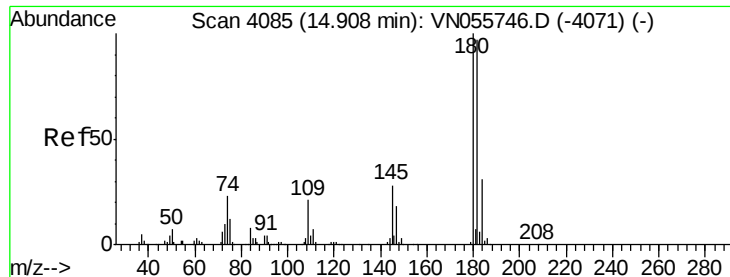


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

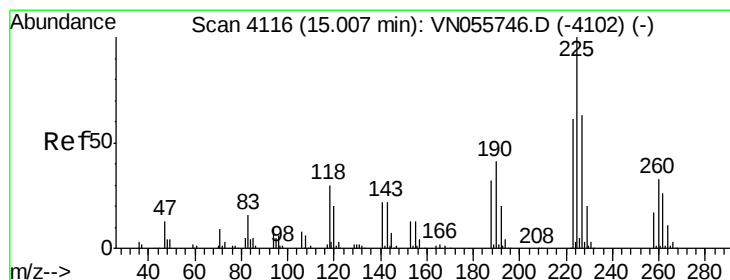
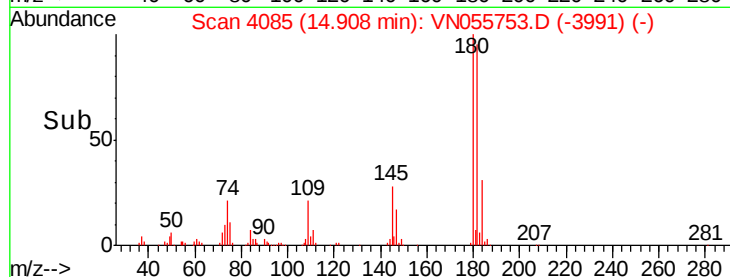
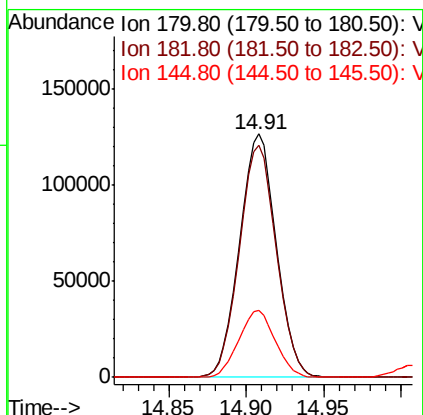
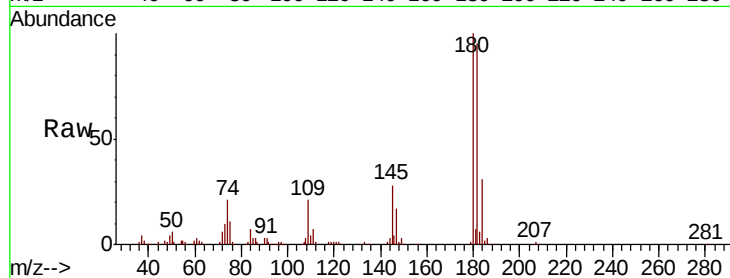




#93
 1,2,4-Trichlorobenzene
 Concen: 47.623 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

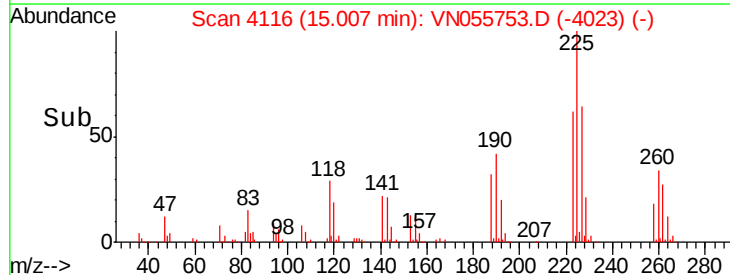
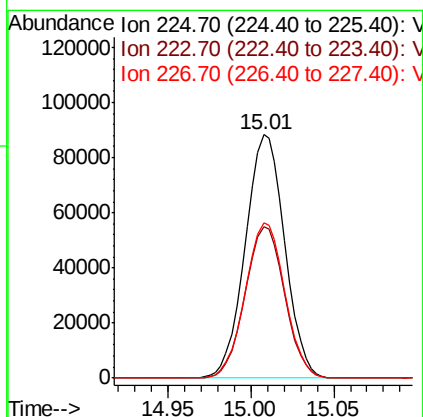
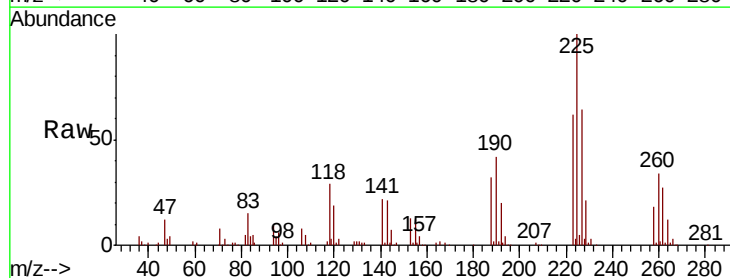
Instrument :
 MSVOA_N
 ClientSampleId :

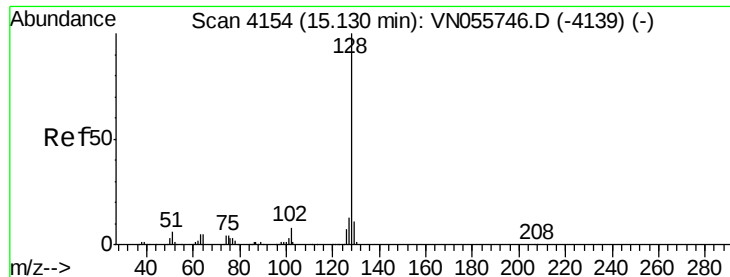
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.3	144.9
145	27.4	14.0	41.9



#94
 Hexachlorobutadiene
 Concen: 54.495 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055753.D
 Acq: 23 May 2019 14:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.7
227	64.0	31.6	94.7





#95

Naphthalene

Concen: 50.959 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

Instrument :

MSVOA_N

ClientSampleId :

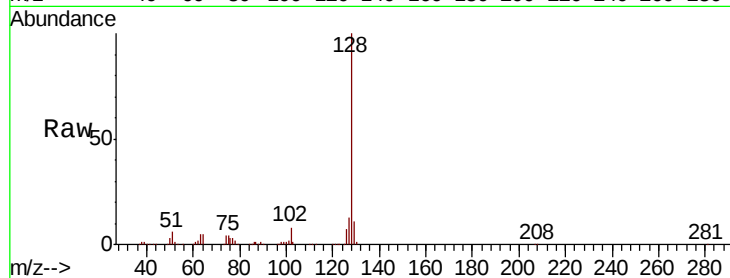
Tot Ion:128 Resp: 535883

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

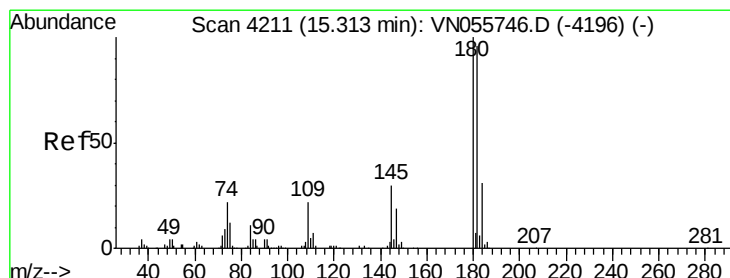
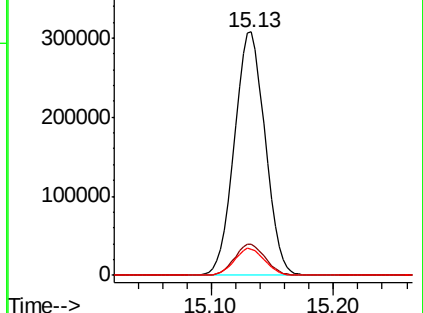
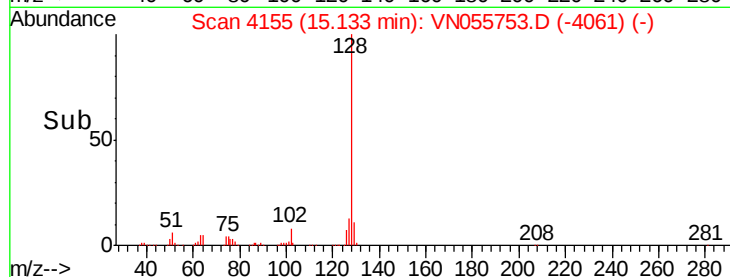
129 11.0 8.7 13.1



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: 52.521 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055753.D

Acq: 23 May 2019 14:56

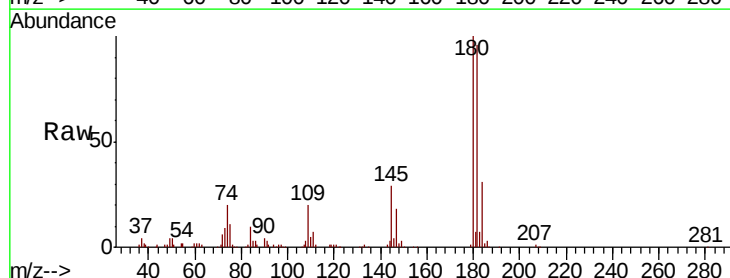
Tgt Ion:180 Resp: 212762

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.7

145 29.2 14.9 44.7



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

