

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055633.D
 Acq On : 18 May 2019 00:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:15:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	338548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	517579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	449866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206061	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	184165	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	165905	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
50) Toluene-d8	10.09	98	618552	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	213389	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	117114	44.961	ug/l	98
3) Chloromethane	2.06	50	152844	43.992	ug/l	99
4) Vinyl Chloride	2.18	62	176901	47.021	ug/l	98
5) Bromomethane	2.56	94	116591	48.627	ug/l	97
6) Chloroethane	2.71	64	100815	48.262	ug/l	100
7) Trichlorofluoromethane	3.03	101	231436	48.004	ug/l	99
8) Diethyl Ether	3.41	74	94815	48.956	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	138864	47.246	ug/l	99
10) Methyl Iodide	3.96	142	202985	47.904	ug/l	99
11) Tert butyl alcohol	4.77	59	180268	260.477	ug/l	98
12) 1,1-Dichloroethene	3.74	96	145692	47.122	ug/l	100
13) Acrolein	3.61	56	83819	237.504	ug/l	100
14) Allyl chloride	4.33	41	236590	47.400	ug/l	99
15) Acrylonitrile	4.99	53	391489	254.258	ug/l	100
16) Acetone	3.81	43	319487	210.951	ug/l	99
17) Carbon Disulfide	4.06	76	396031	46.076	ug/l	99
18) Methyl Acetate	4.32	43	163456	50.342	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	496759	48.566	ug/l	98
20) Methylene Chloride	4.56	84	161853	46.828	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	157676	47.873	ug/l	99
22) Diisopropyl ether	5.95	45	475454	48.071	ug/l	97
23) Vinyl Acetate	5.90	43	2060389	245.508	ug/l	99
24) 1,1-Dichloroethane	5.85	63	279043	48.117	ug/l	99
25) 2-Butanone	6.83	43	521954	246.483	ug/l	99
26) 2,2-Dichloropropane	6.83	77	185493	36.039	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	185377	48.334	ug/l	95
28) Bromochloromethane	7.20	49	126529	50.150	ug/l	99
29) Tetrahydrofuran	7.21	42	350680	249.961	ug/l	99
30) Chloroform	7.37	83	283660	47.651	ug/l	99
31) Cyclohexane	7.66	56	251676	45.726	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	250036	46.829	ug/l	99
36) 1,1-Dichloropropene	7.80	75	214523	46.489	ug/l	99
37) Ethyl Acetate	6.93	43	215888	51.846	ug/l	99
38) Carbon Tetrachloride	7.78	117	227708	46.178	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	247638	44.517	ug/l	99
40) Benzene	8.04	78	654558	48.226	ug/l	100
41) Methacrylonitrile	7.21	41	306068	171.921	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	214514	48.807	ug/l	100
43) Isopropyl Acetate	8.17	43	355138	49.030	ug/l	100
44) Trichloroethene	8.84	130	190658	49.782	ug/l	98
45) 1,2-Dichloropropane	9.12	63	170805	47.769	ug/l	99
46) Dibromomethane	9.21	93	114130	48.769	ug/l	98
47) Bromodichloromethane	9.40	83	234003	47.709	ug/l	98
48) Methyl methacrylate	9.20	41	161465	49.873	ug/l	97
49) 1,4-Dioxane	9.20	88	68790	1069.295	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1053528	247.958	ug/l	100
52) Toluene	10.16	92	410166	48.181	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	251766	47.692	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	273181	47.237	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	168576	48.100	ug/l	99
56) Ethyl methacrylate	10.43	69	260790	47.668	ug/l	99
57) 1,3-Dichloropropane	10.71	76	272906	49.166	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	566367	243.641	ug/l	100
59) 2-Hexanone	10.75	43	746151	249.433	ug/l	99
60) Dibromochloromethane	10.90	129	199640	50.261	ug/l	99
61) 1,2-Dibromoethane	11.01	107	175294	49.989	ug/l	100
64) Tetrachloroethene	10.63	164	175977	49.595	ug/l	98
65) Chlorobenzene	11.43	112	440104	48.368	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	177352	48.450	ug/l	99
67) Ethyl Benzene	11.51	91	766988	47.318	ug/l	99
68) m/p-Xylenes	11.62	106	580915	94.902	ug/l	99
69) o-Xylene	11.95	106	283142	47.293	ug/l	98
70) Styrene	11.96	104	488986	49.121	ug/l	99
71) Bromoform	12.13	173	158506	51.097	ug/l	99
73) Isopropylbenzene	12.25	105	747312	51.766	ug/l	100
74) N-amyl acetate	12.07	43	286026	49.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	235004	51.997	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	288226	68.548	ug/l #	100
77) Bromobenzene	12.53	156	201099	47.520	ug/l	97
78) n-propylbenzene	12.59	91	817154	44.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	487470	49.769	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	617334	49.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	73378	44.860	ug/l	97
82) 4-Chlorotoluene	12.77	91	491787	45.613	ug/l	99
83) tert-Butylbenzene	12.99	119	535195	51.094	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	617161	50.038	ug/l	99
85) sec-Butylbenzene	13.17	105	690001	50.090	ug/l	100
86) p-Isopropyltoluene	13.29	119	634884	49.480	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	332372	47.501	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	326709	48.901	ug/l	99
89) n-Butylbenzene	13.61	91	511734	45.257	ug/l	100
90) Hexachloroethane	13.87	117	127066	51.935	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	324887	46.578	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45540	48.698	ug/l	96

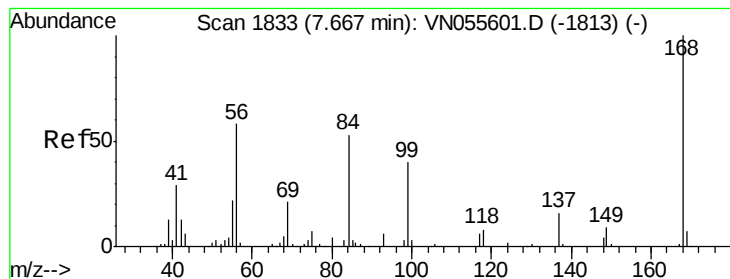
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	190658	53.700	ug/l	99
94) Hexachlorobutadiene	15.01	225	105676	49.272	ug/l	99
95) Naphthalene	15.13	128	543071	50.658	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	191963	51.710	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

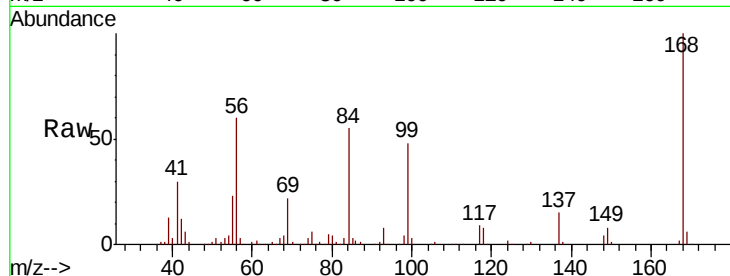
ClientSampled :

Tot Ion:168 Resp: 338548

Ion Ratio Lower Upper

168 100

99 47.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

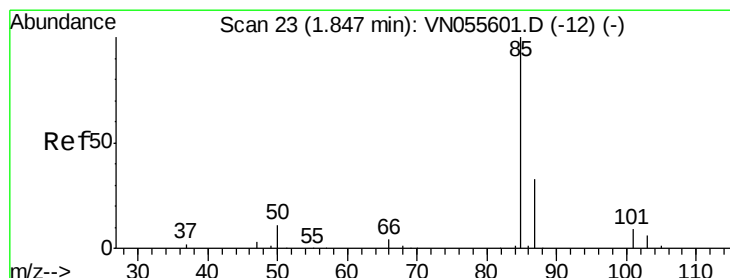
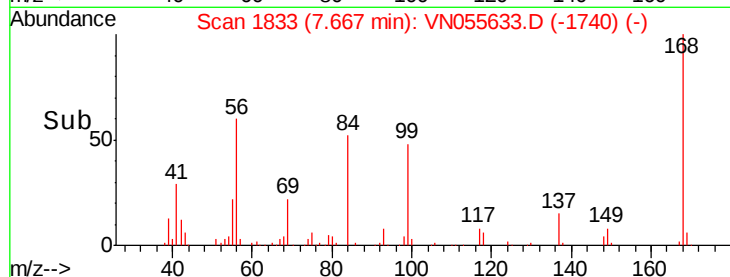
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.961 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055633.D

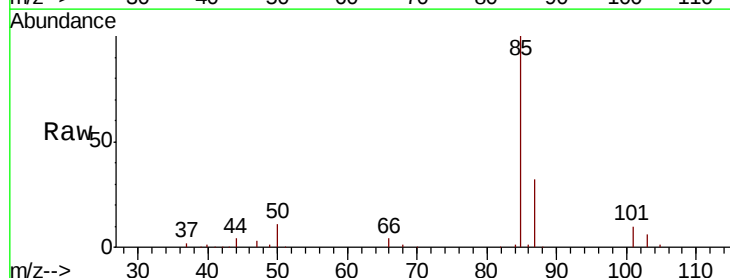
Acq: 18 May 2019 00:14

Tgt Ion: 85 Resp: 117114

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

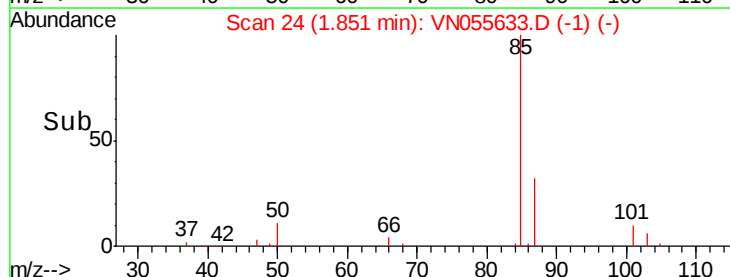
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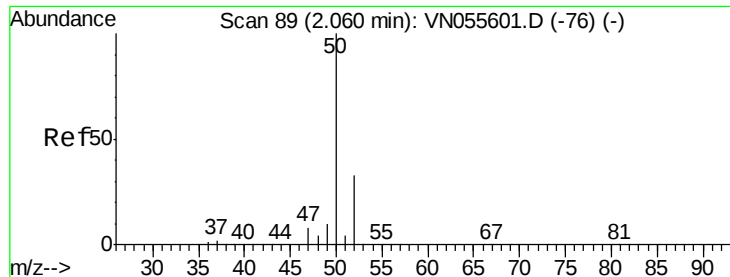
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.992 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

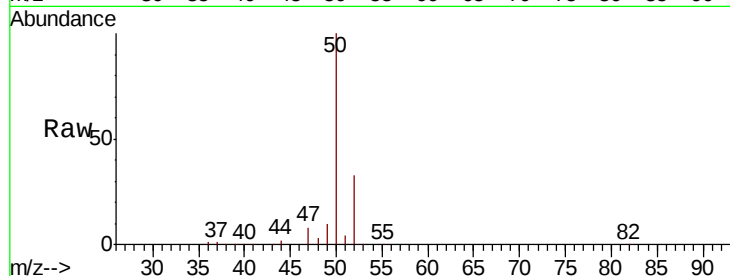
ClientSampleId :

Tot Ion: 50 Resp: 152844

Ion Ratio Lower Upper

50 100

52 32.8 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

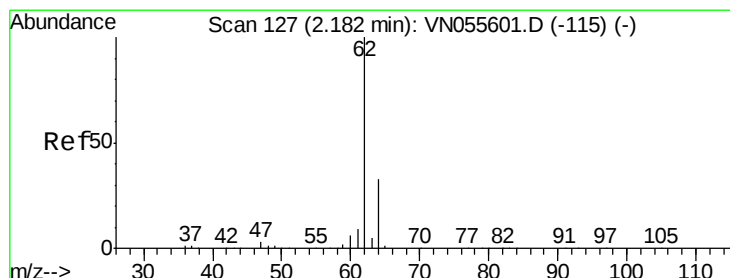
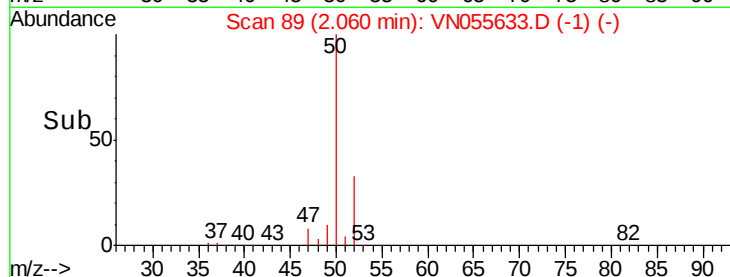
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.021 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055633.D

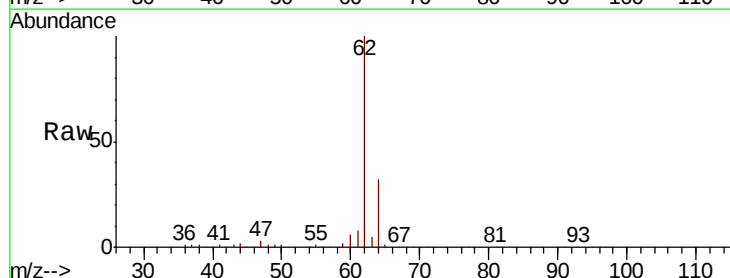
Acq: 18 May 2019 00:14

Tgt Ion: 62 Resp: 176901

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

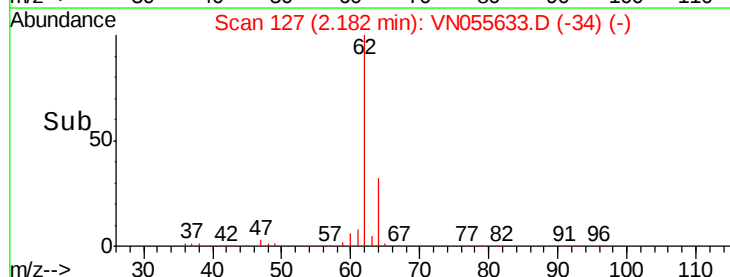
2.18

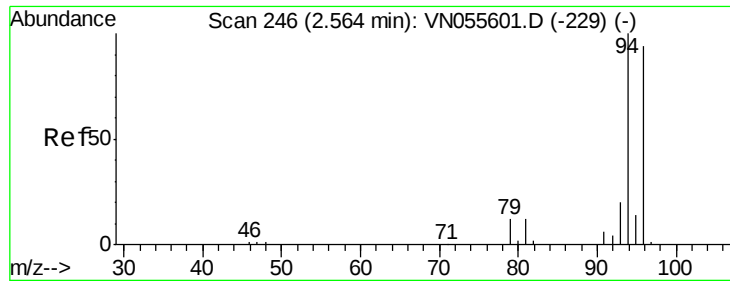
100000

50000

0

Time-->

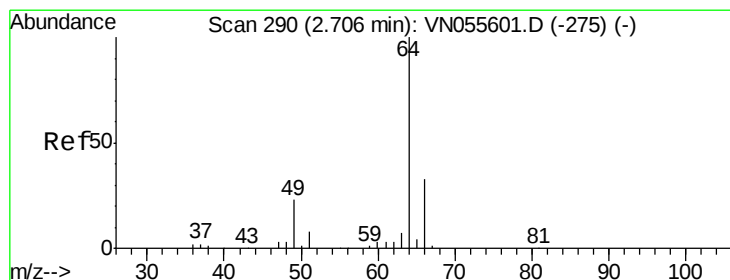
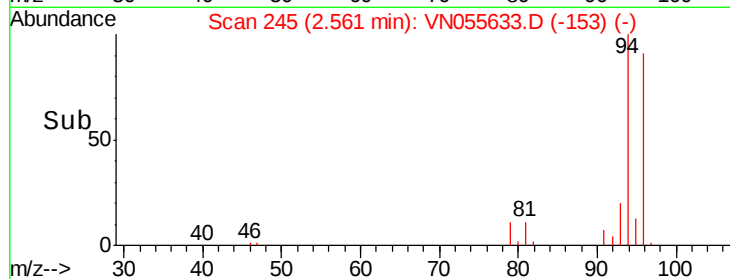
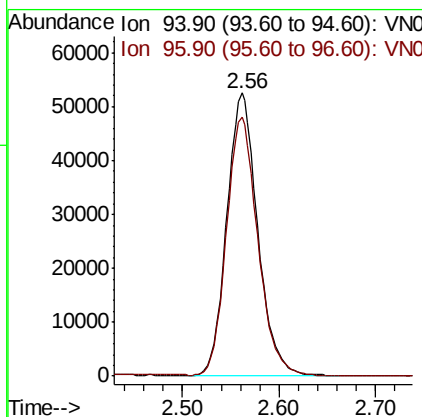
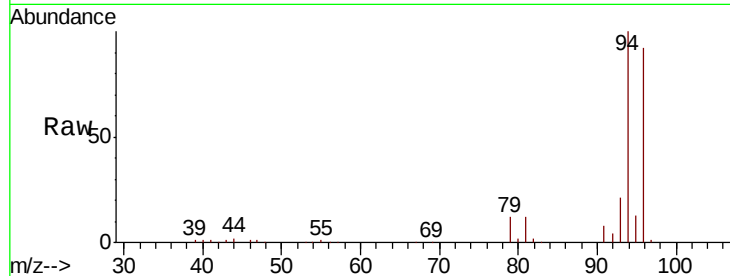




#5
Bromomethane
Concen: 48.627 ug/l
RT: 2.56 min Scan# 245
Delta R.T. -0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

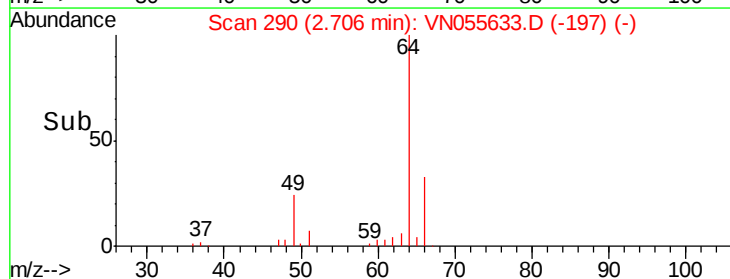
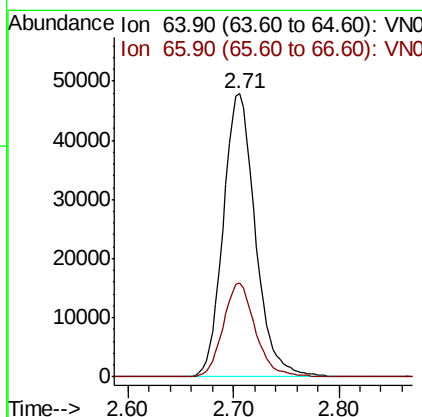
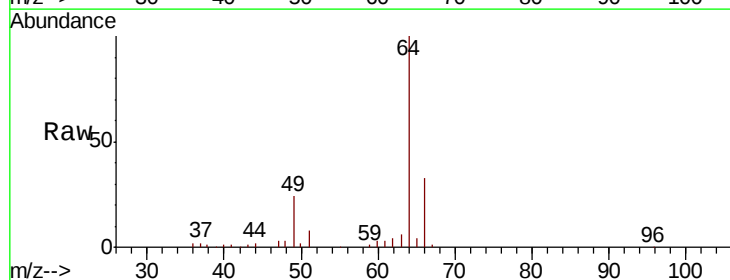
Instrument :
MSVOA_N
ClientSampled :

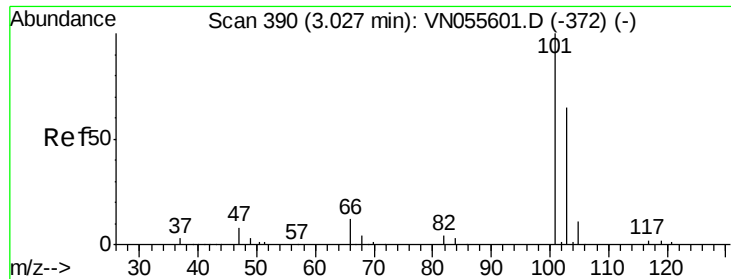
Tot Ion: 94 Resp: 116591
Ion Ratio Lower Upper
94 100
96 91.4 75.2 112.8



#6
Chloroethane
Concen: 48.262 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 64 Resp: 100815
Ion Ratio Lower Upper
64 100
66 33.0 26.2 39.4



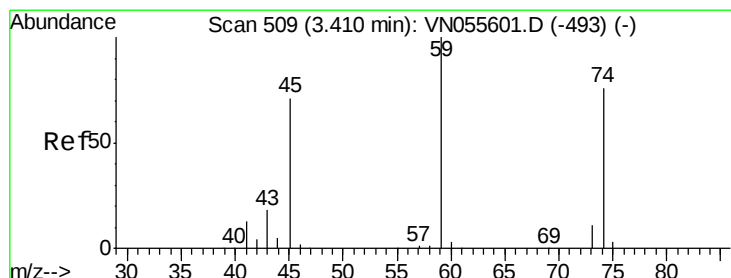
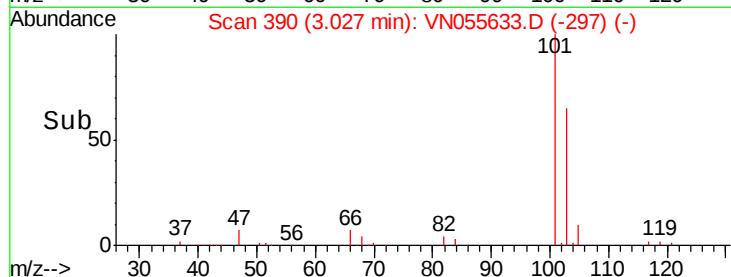
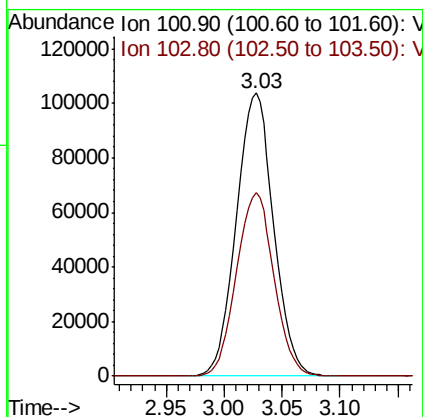
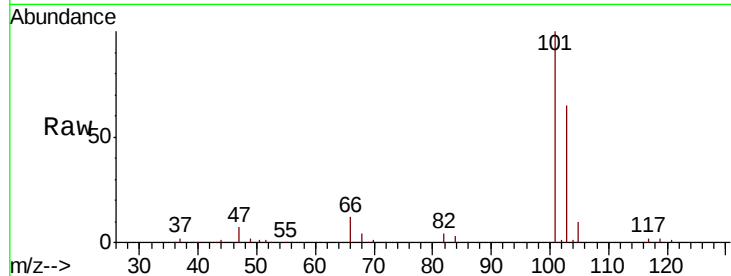


#7

Trichlorofluoromethane
 Concen: 48.004 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055633.D
 Acq: 18 May 2019 00:14

Instrument :
 MSVOA_N
 ClientSampleId :

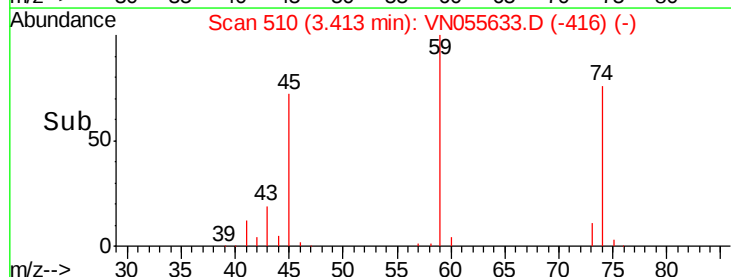
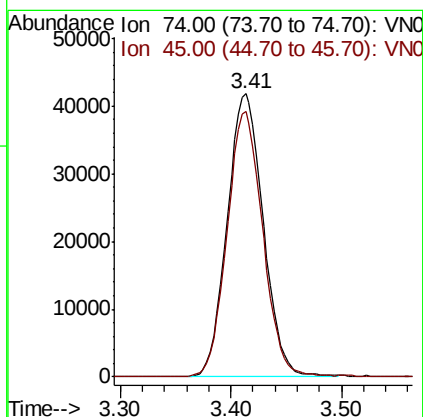
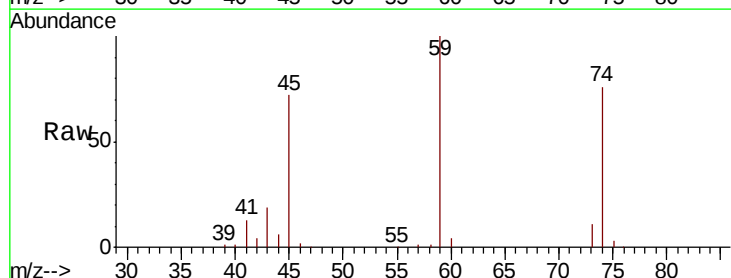
Tot Ion:101 Resp: 231436
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.3 78.5

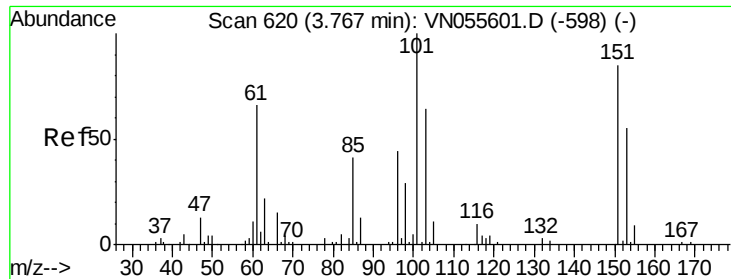


#8

Diethyl Ether
 Concen: 48.956 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055633.D
 Acq: 18 May 2019 00:14

Tgt Ion: 74 Resp: 94815
 Ion Ratio Lower Upper
 74 100
 45 92.7 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.246 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampleId :

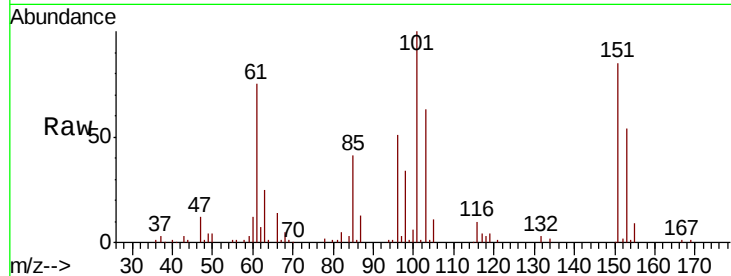
Tot Ion:101 Resp: 138864

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.0

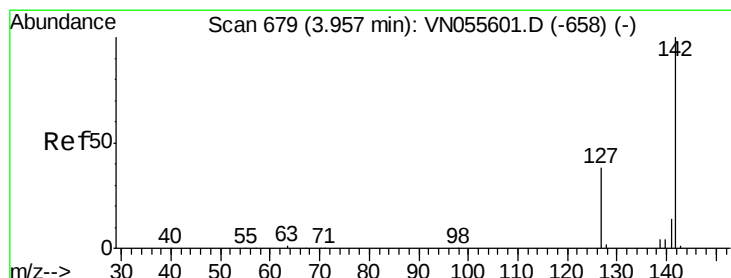
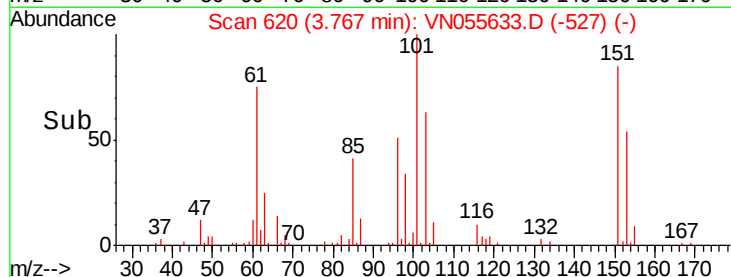
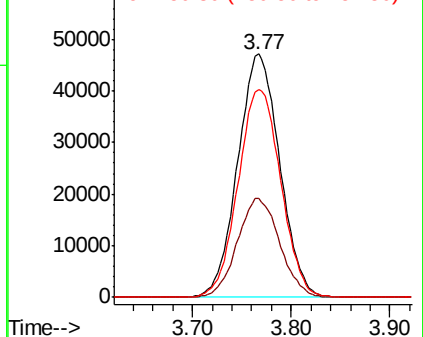
151 87.0 69.3 103.9



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: 47.904 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

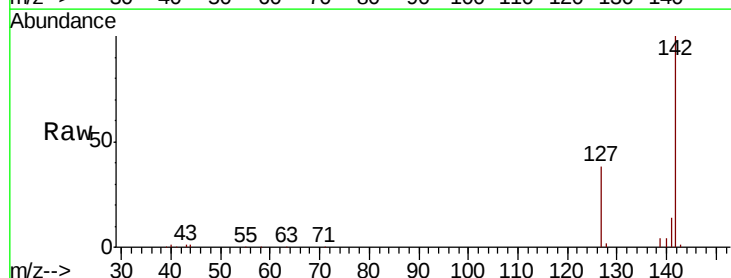
Tgt Ion:142 Resp: 202985

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.4

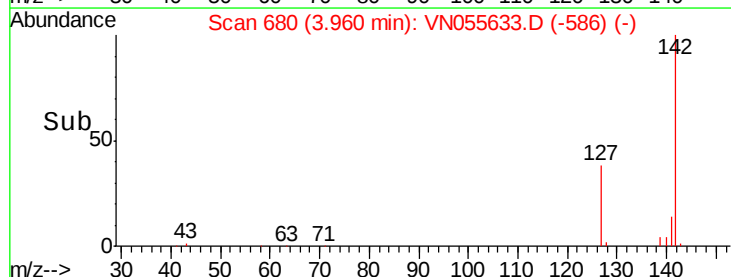
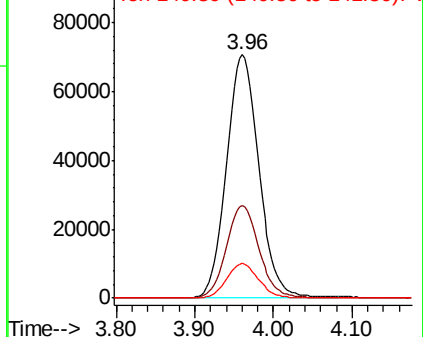
141 13.9 11.5 17.3

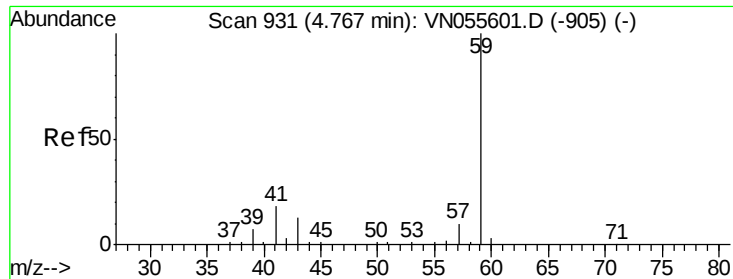


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

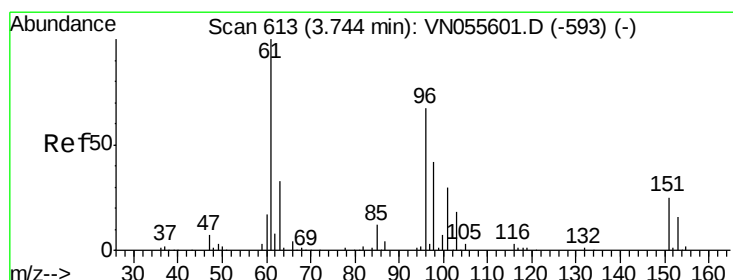
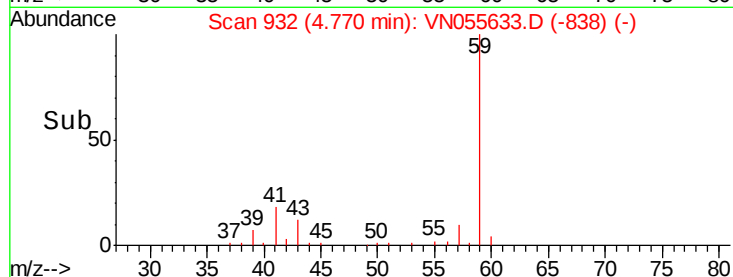
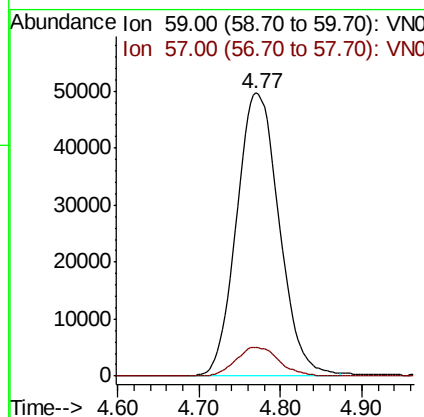
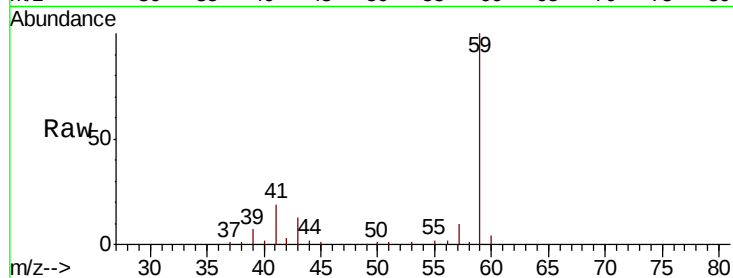




#11
Tert butyl alcohol
Concen: 260.477 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

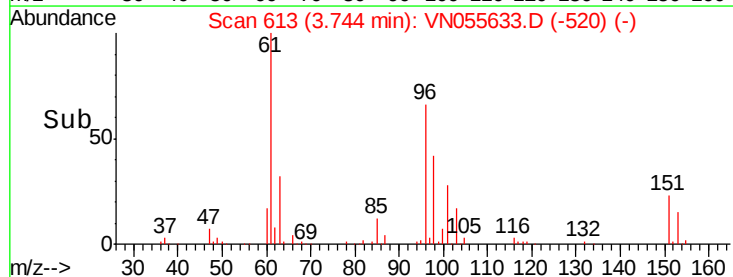
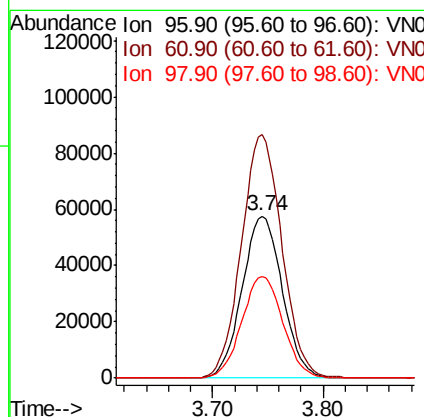
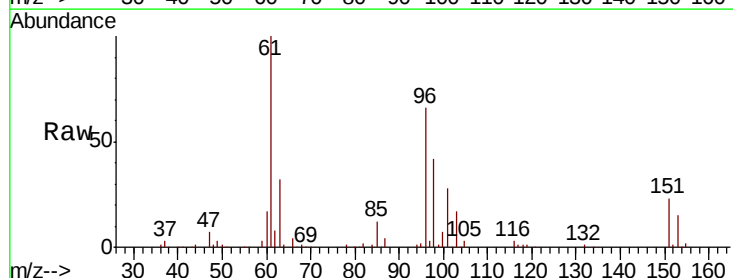
Instrument :
MSVOA_N
ClientSampled :

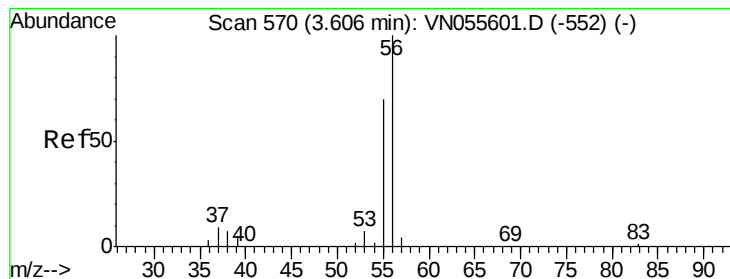
Tot Ion: 59 Resp: 180268
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.6



#12
1,1-Dichloroethene
Concen: 47.122 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 96 Resp: 145692
Ion Ratio Lower Upper
96 100
61 150.5 120.2 180.2
98 62.6 50.6 75.8





#13

Acrolein

Concen: 237.504 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

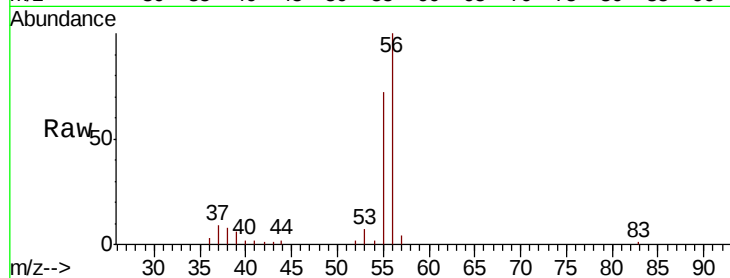
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 83819

Ion Ratio Lower Upper

56 100

55 70.2 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN055633.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055633.D (-477) (-)

3.61

30000

20000

10000

0

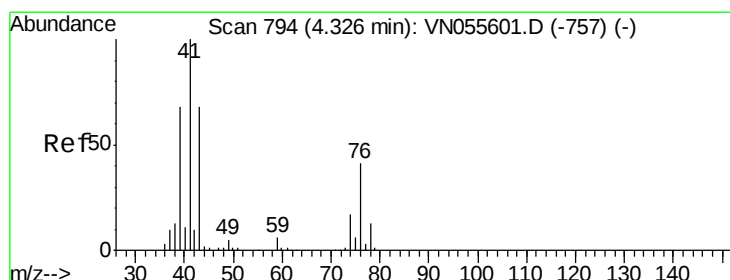
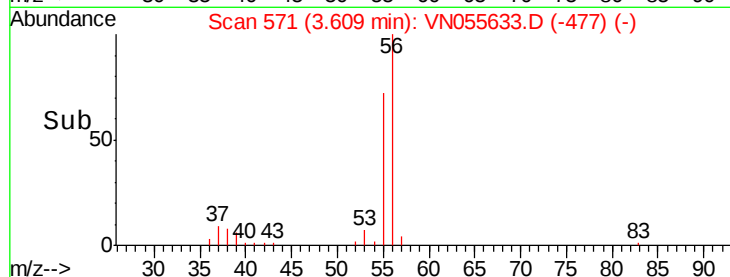
Time-->

3.50

3.60

3.70

3.80



#14

Allyl chloride

Concen: 47.400 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

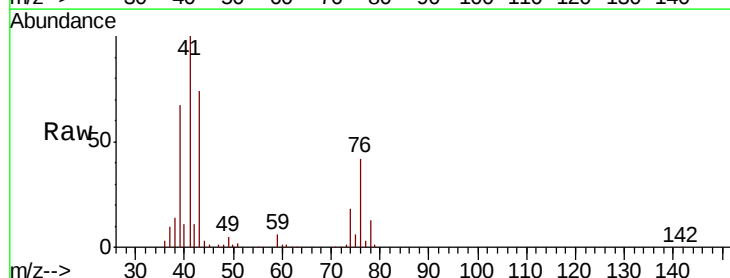
Tgt Ion: 41 Resp: 236590

Ion Ratio Lower Upper

41 100

39 62.2 50.5 75.7

76 36.7 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VN055633.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN055633.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN055633.D (-701) (-)

4.33

100000

80000

60000

40000

20000

0

Time-->

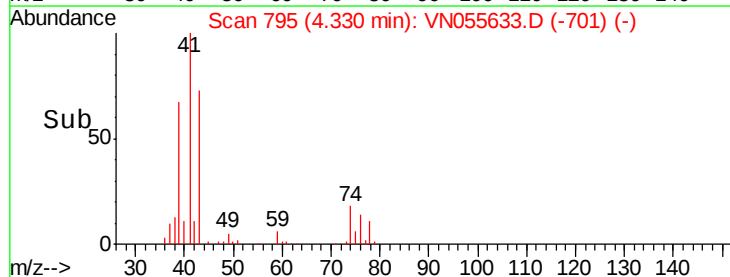
4.10

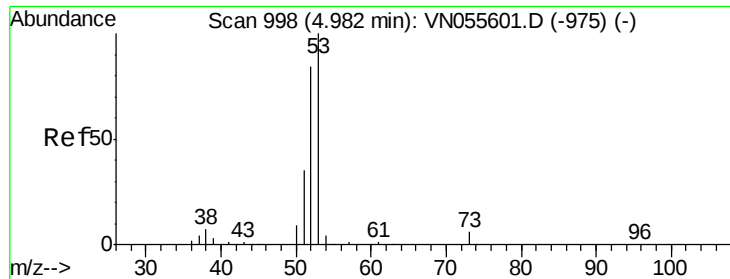
4.20

4.30

4.40

4.50





#15

Acrylonitrile

Concen: 254.258 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampled :

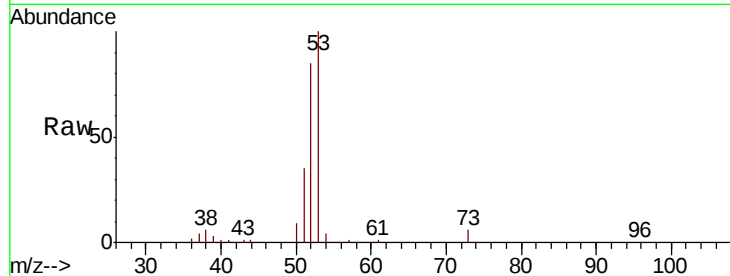
Tot Ion: 53 Resp: 391489

Ion Ratio Lower Upper

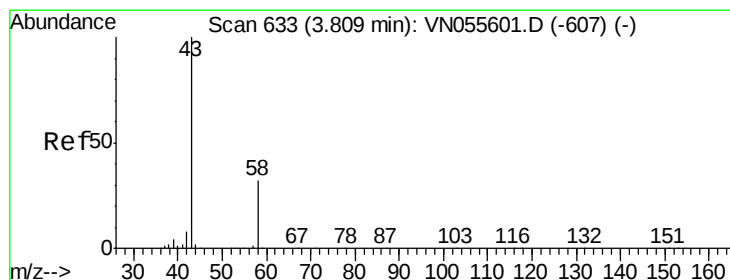
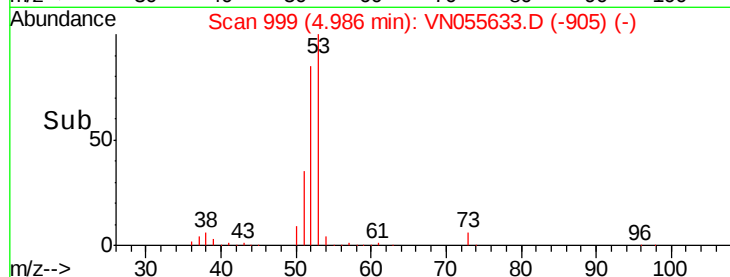
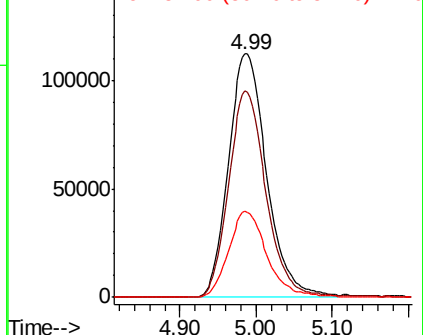
53 100

52 83.2 66.2 99.4

51 35.5 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 210.951 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN055633.D

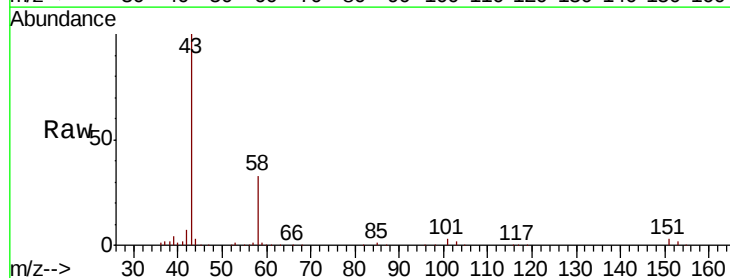
Acq: 18 May 2019 00:14

Tgt Ion: 43 Resp: 319487

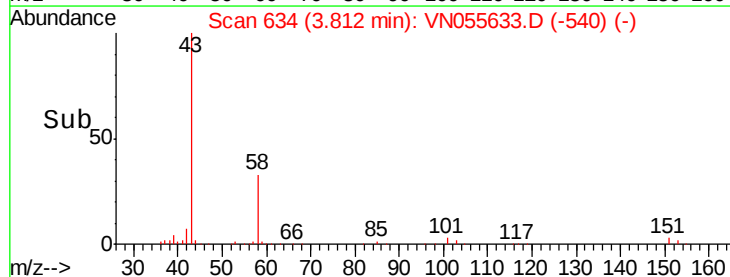
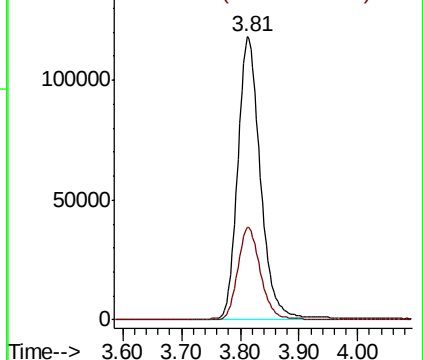
Ion Ratio Lower Upper

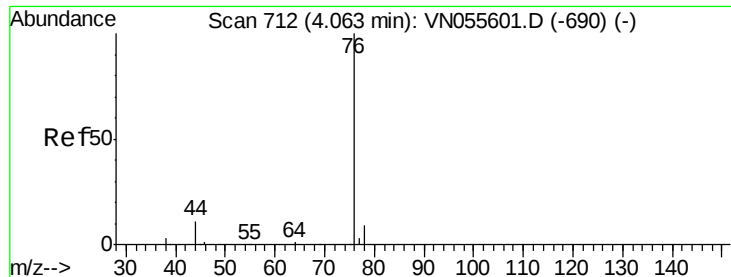
43 100

58 32.8 26.0 39.0



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

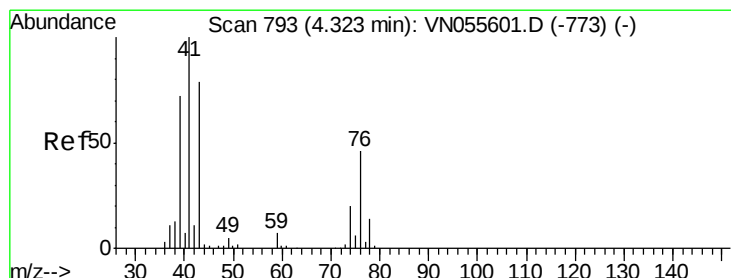
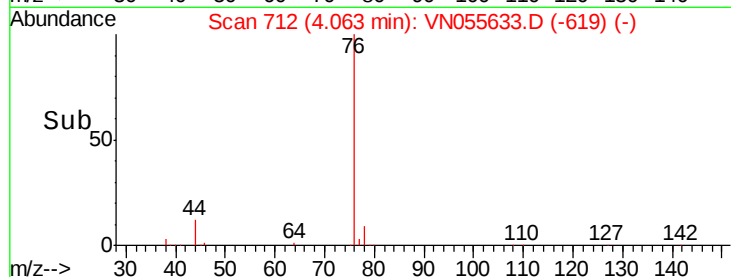
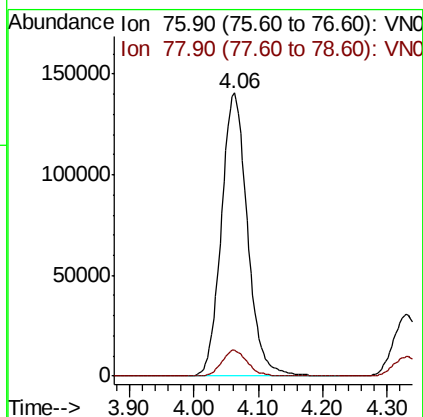
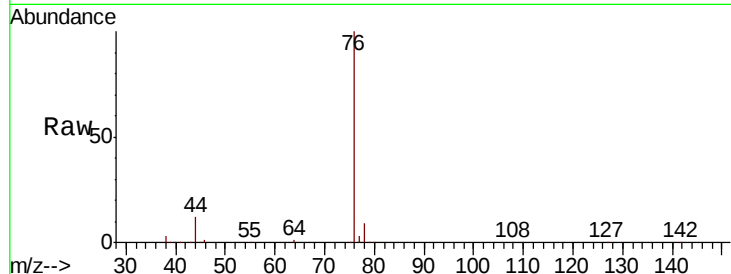




#17
Carbon Disulfide
Concen: 46.076 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

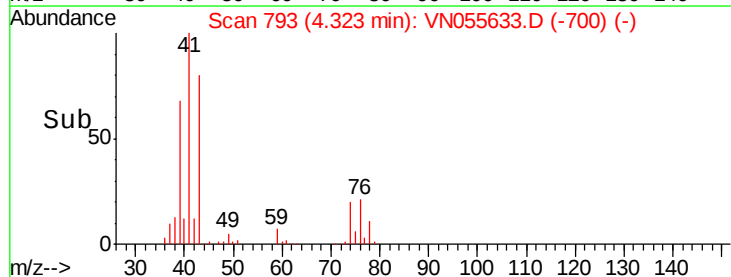
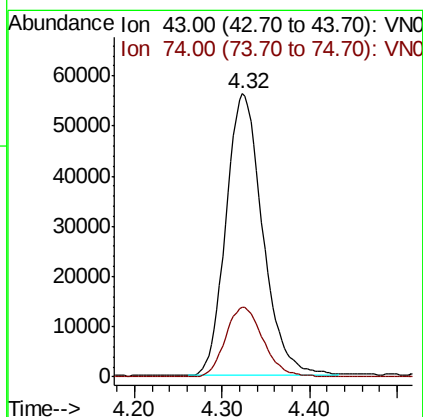
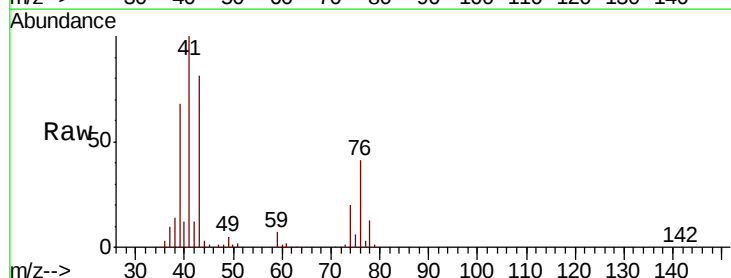
Instrument :
MSVOA_N
ClientSampleId :

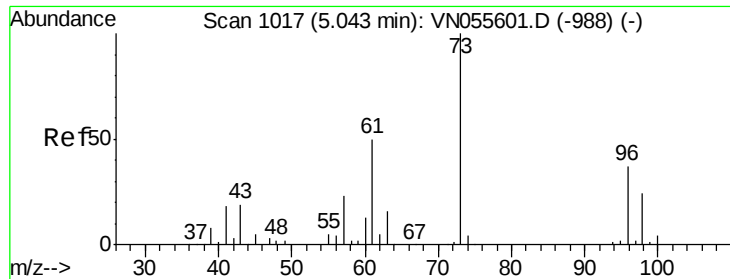
Tot Ion: 76 Resp: 396031
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 50.342 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 43 Resp: 163456
Ion Ratio Lower Upper
43 100
74 25.6 19.9 29.9

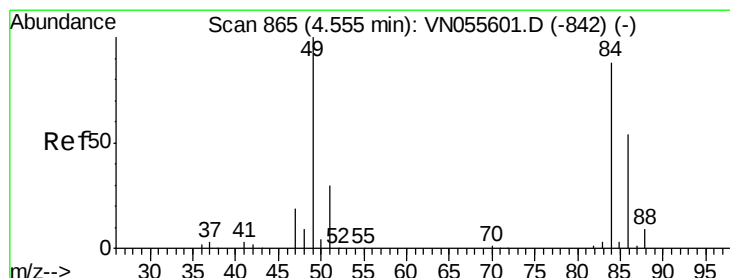
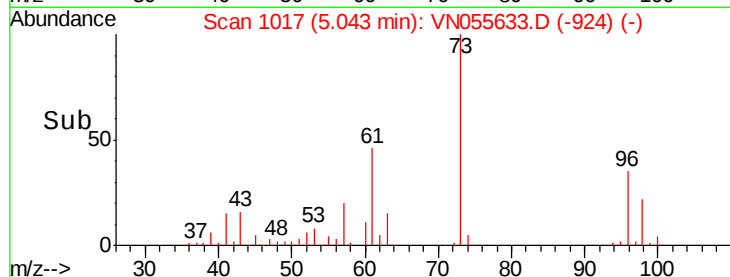
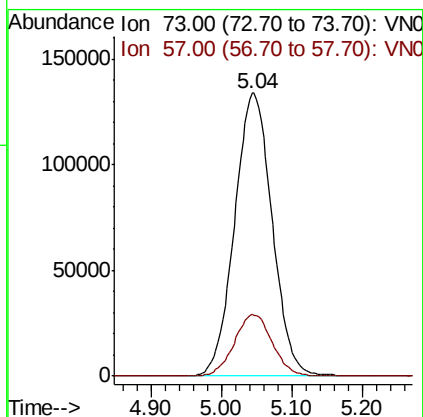
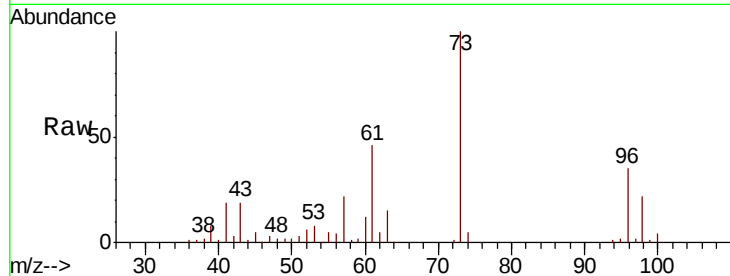




#19
Methvl tert-butvl Ether
Concen: 48.566 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

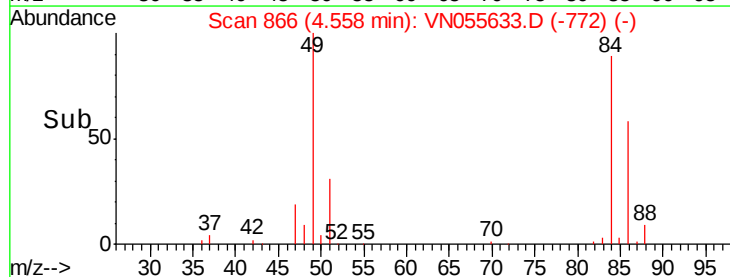
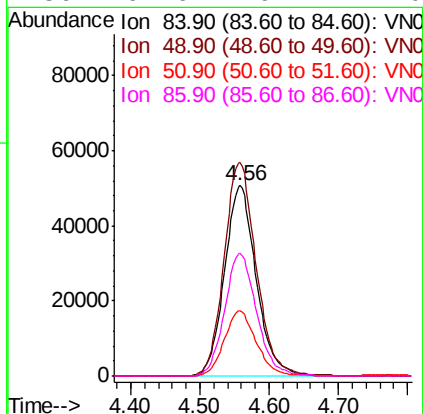
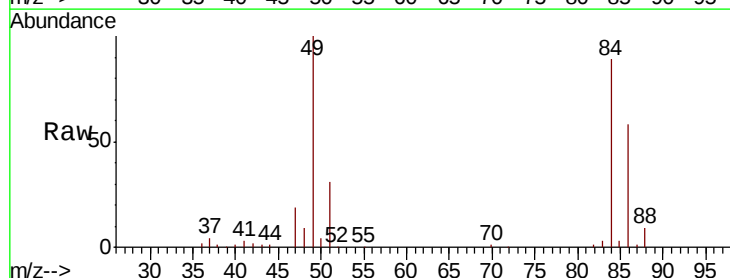
Instrument :
MSVOA_N
ClientSampled :

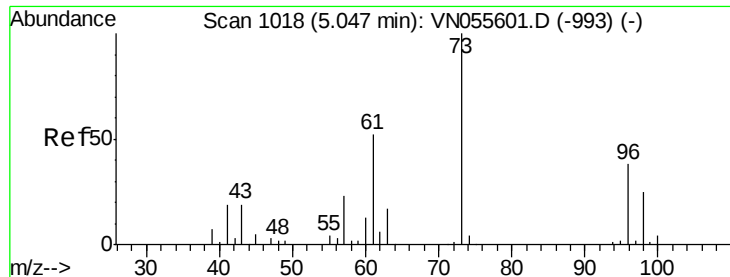
Tot Ion: 73 Resp: 496759
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.2



#20
Methylene Chloride
Concen: 46.828 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 84 Resp: 161853
Ion Ratio Lower Upper
84 100
49 112.1 91.0 136.4
51 34.4 27.5 41.3
86 64.6 49.4 74.0

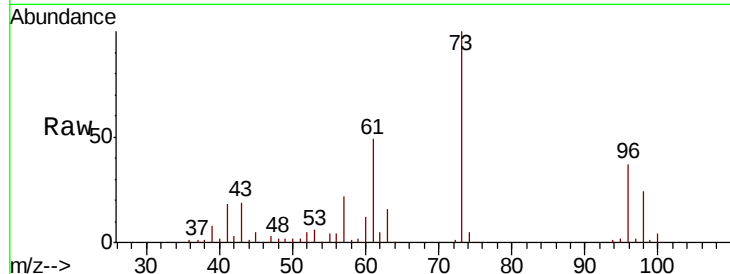




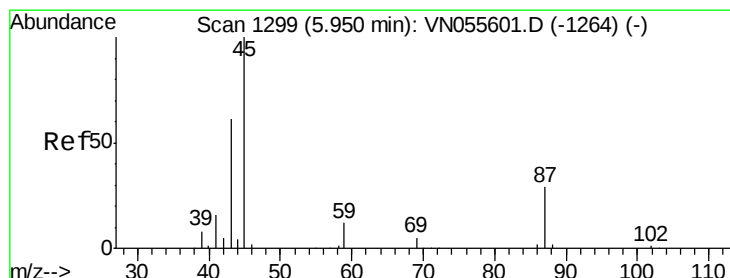
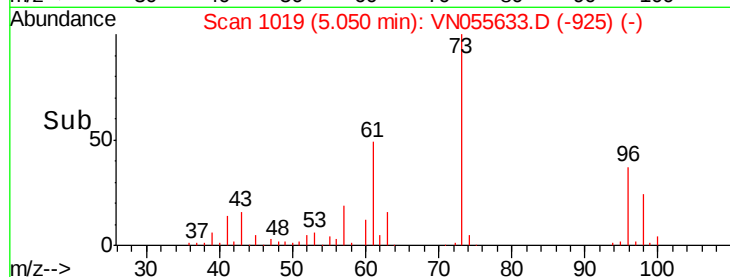
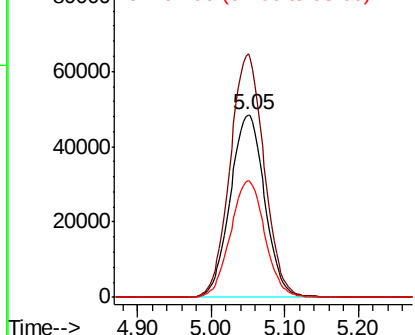
#21
trans-1,2-Dichloroethene
Concen: 47.873 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 157676
Ion Ratio Lower Upper
96 100
61 133.3 108.6 162.8
98 63.9 51.4 77.0

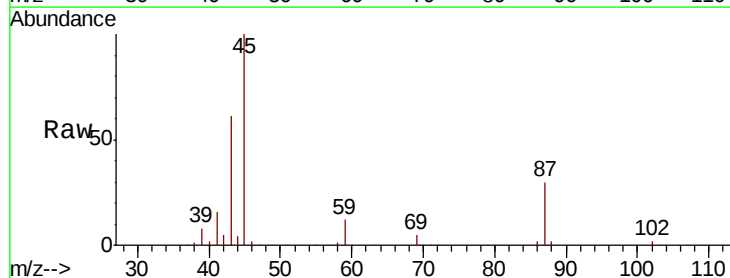


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

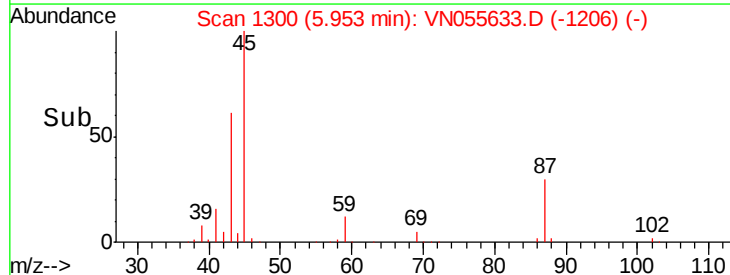
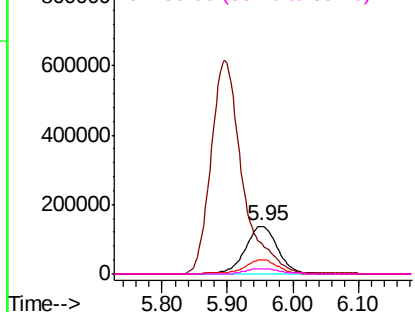


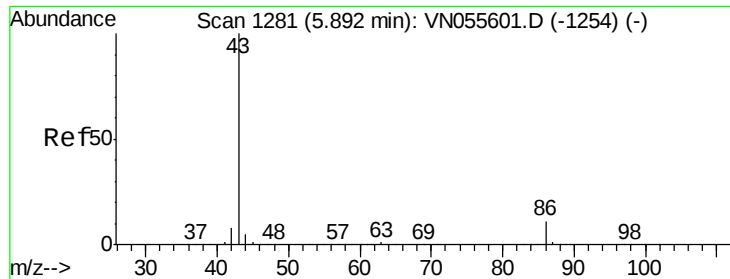
#22
Diisopropyl ether
Concen: 48.071 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 45 Resp: 475454
Ion Ratio Lower Upper
45 100
43 59.3 50.4 75.6
87 29.5 23.8 35.6
59 11.8 9.5 14.3



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





#23

Vinyl Acetate

Concen: 245.508 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

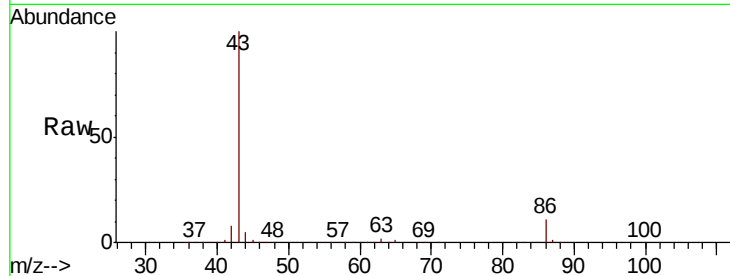
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2060389

Ion Ratio Lower Upper

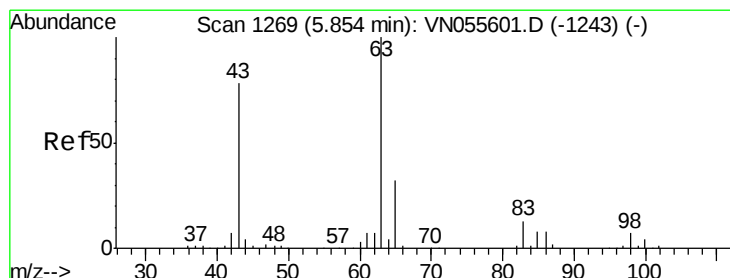
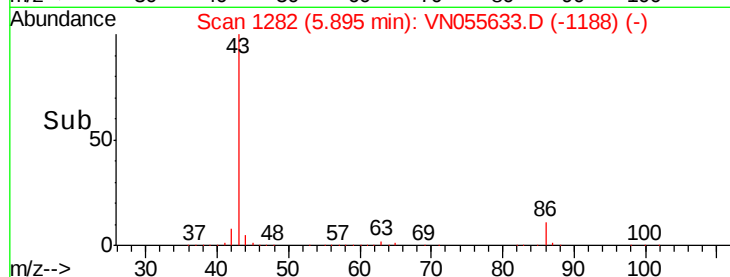
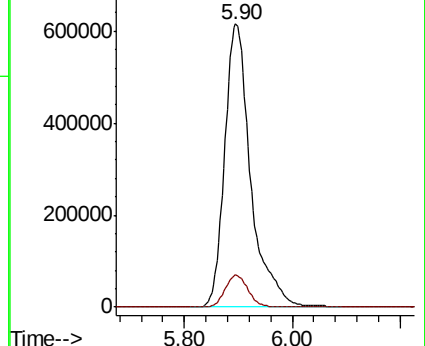
43 100

86 11.3 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.117 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

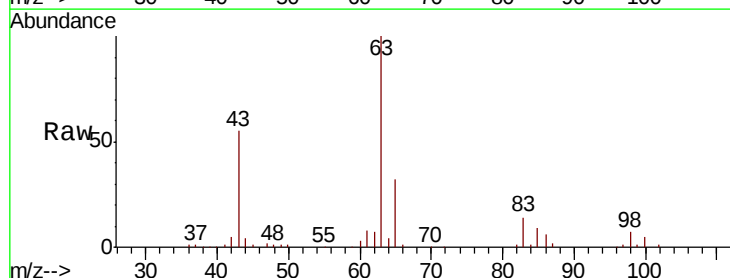
Tgt Ion: 63 Resp: 279043

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

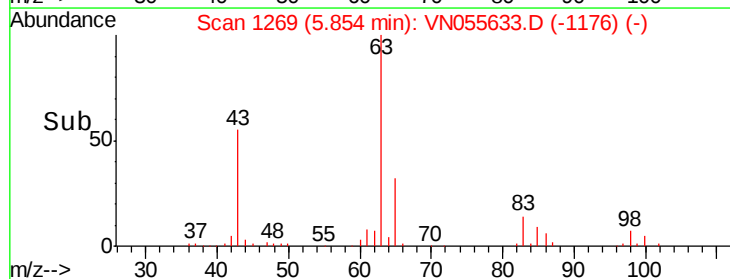
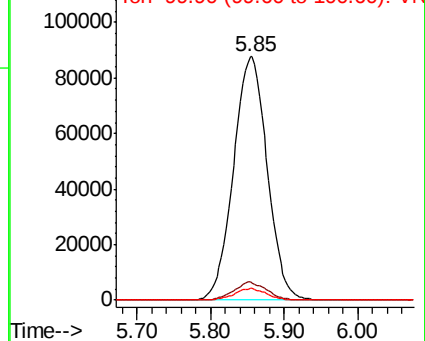
100 4.8 2.2 6.6

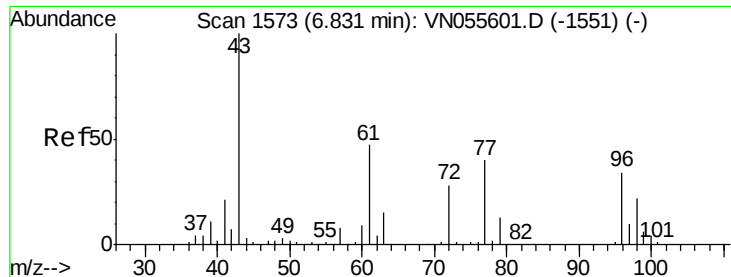


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

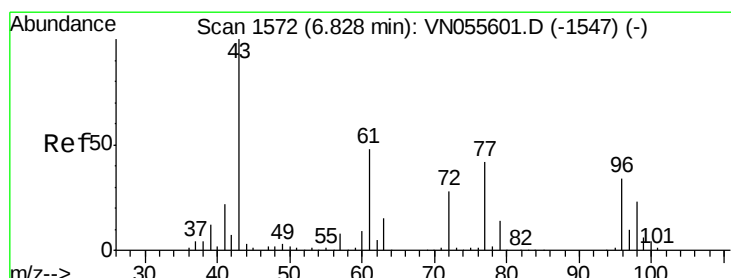
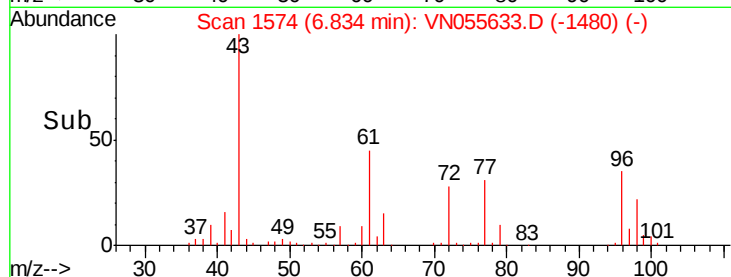
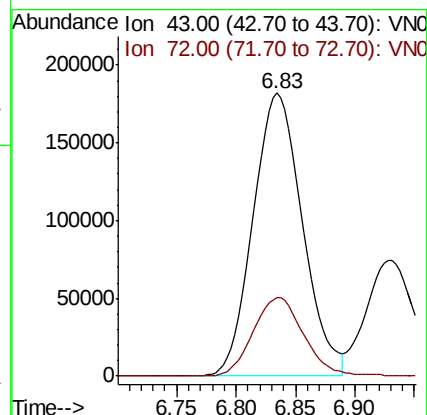
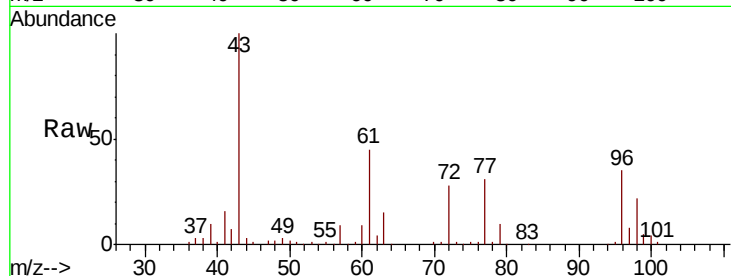




#25
2-Butanone
Concen: 246.483 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

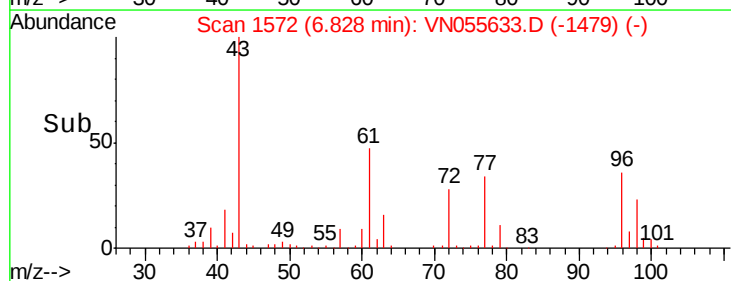
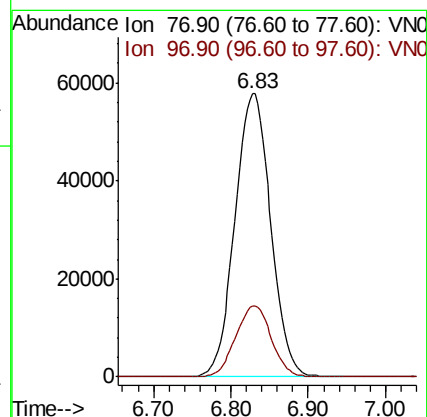
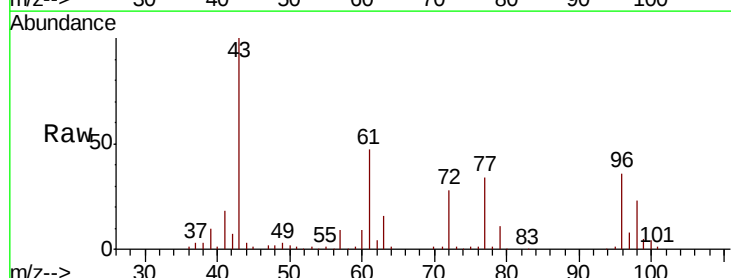
Instrument :
MSVOA_N
ClientSampled :

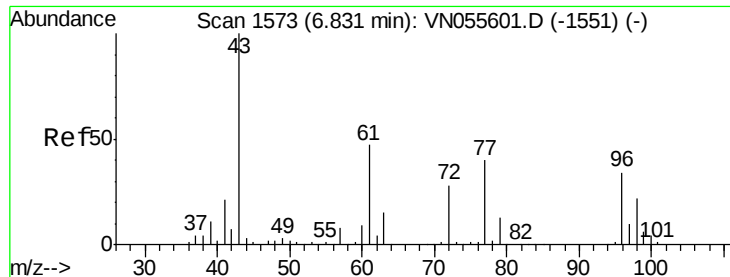
Tot Ion: 43 Resp: 521954
Ion Ratio Lower Upper
43 100
72 27.6 22.3 33.5



#26
2,2-Dichloropropane
Concen: 36.039 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 77 Resp: 185493
Ion Ratio Lower Upper
77 100
97 25.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 48.334 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampled :

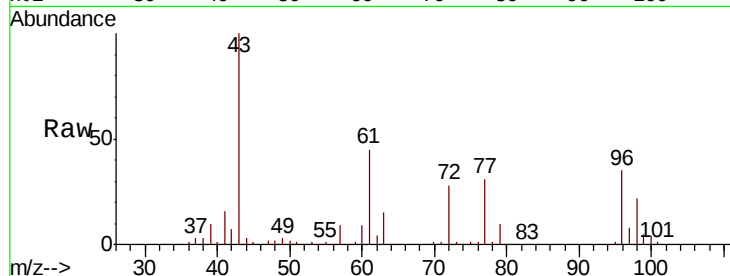
Tot Ion: 96 Resp: 185377

Ion Ratio Lower Upper

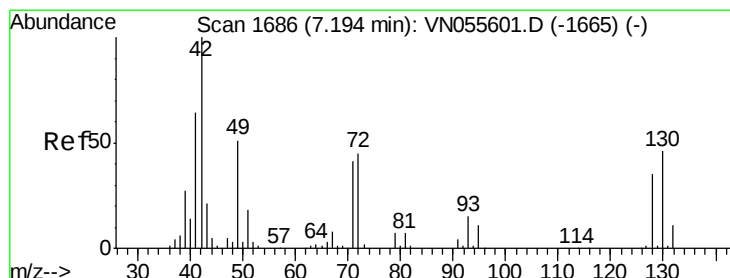
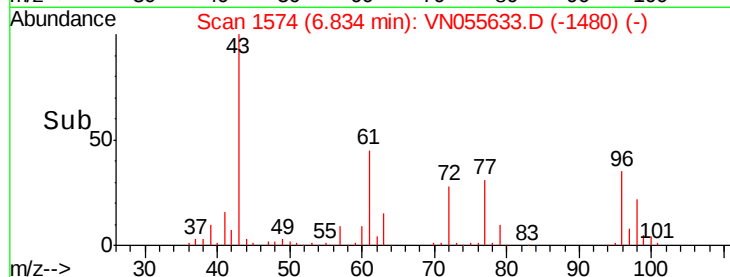
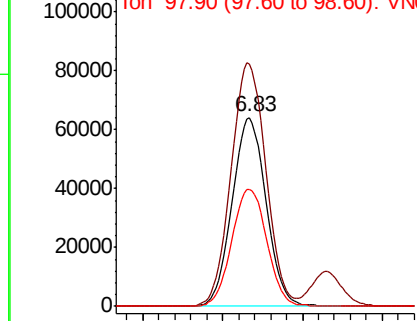
96 100

61 131.7 0.0 279.0

98 64.0 0.0 131.6



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: 50.150 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

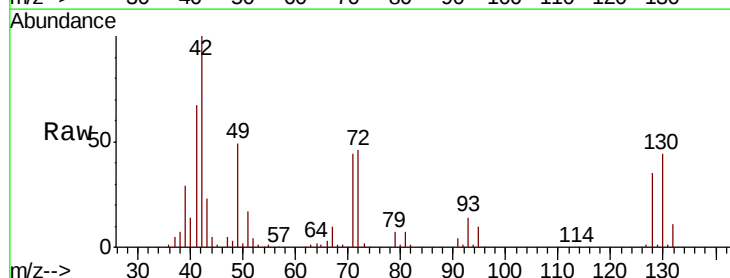
Tgt Ion: 49 Resp: 126529

Ion Ratio Lower Upper

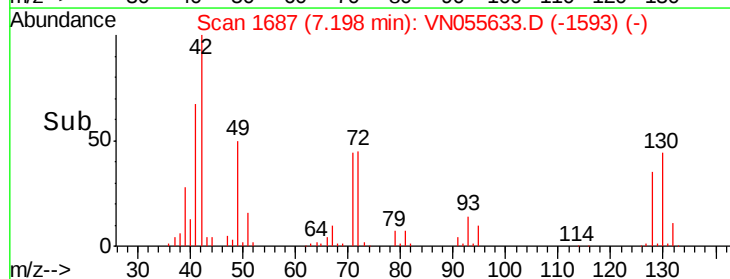
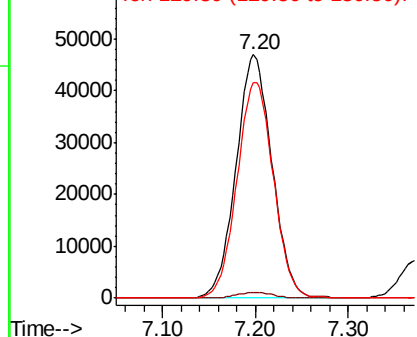
49 100

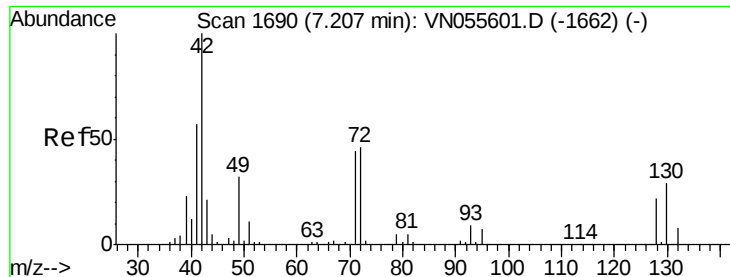
129 2.3 0.0 4.4

130 89.6 71.0 106.6



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

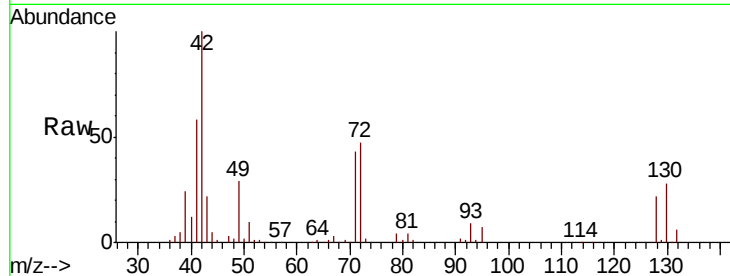




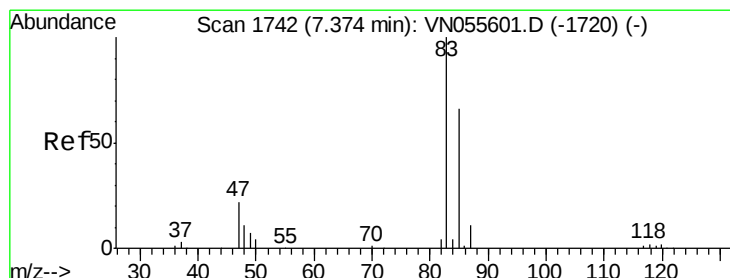
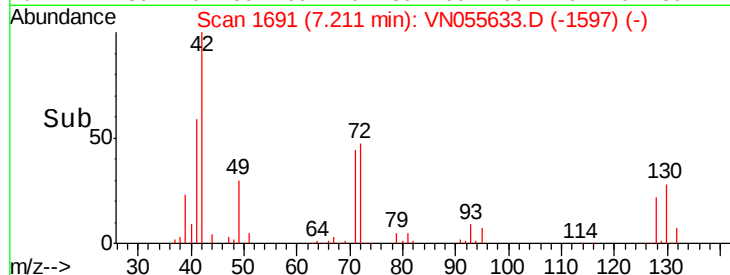
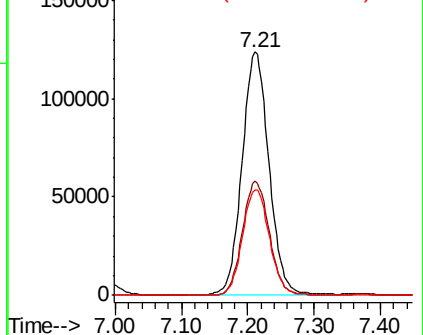
#29
Tetrahydrofuran
Concen: 249.961 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 350680
Ion Ratio Lower Upper
42 100
72 46.6 36.5 54.7
71 43.5 34.9 52.3

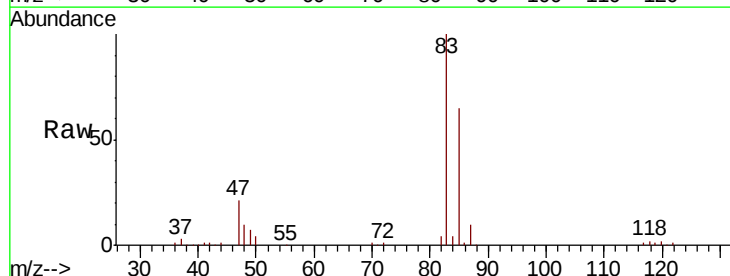


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

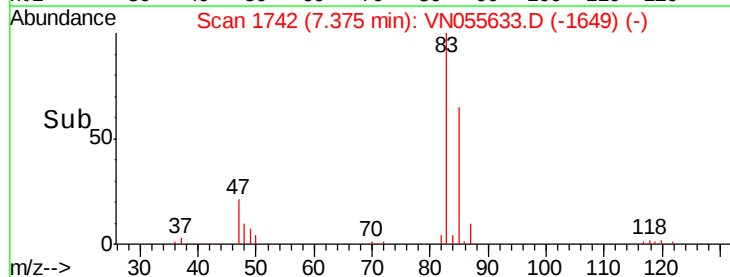
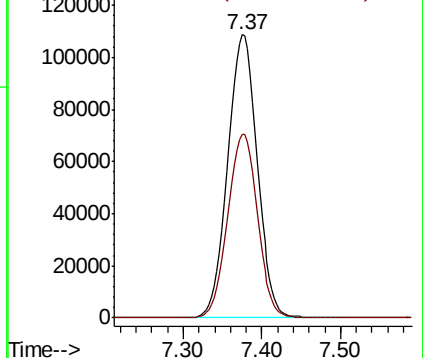


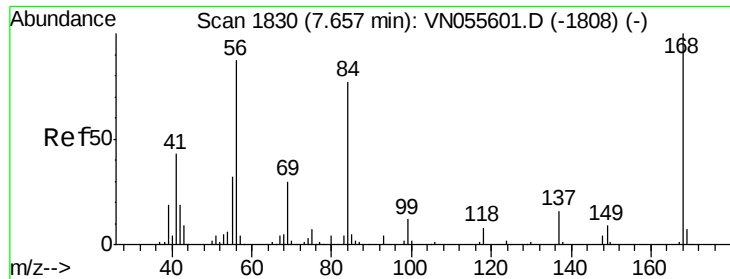
#30
Chloroform
Concen: 47.651 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 83 Resp: 283660
Ion Ratio Lower Upper
83 100
85 65.1 52.6 78.8



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

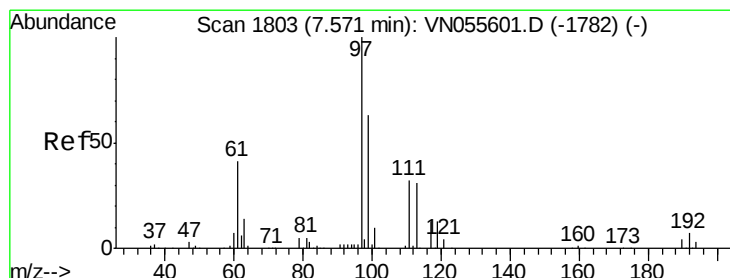
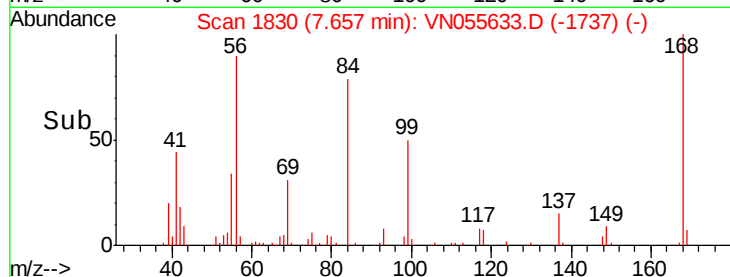
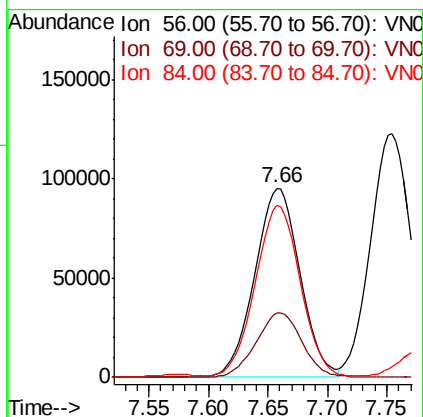
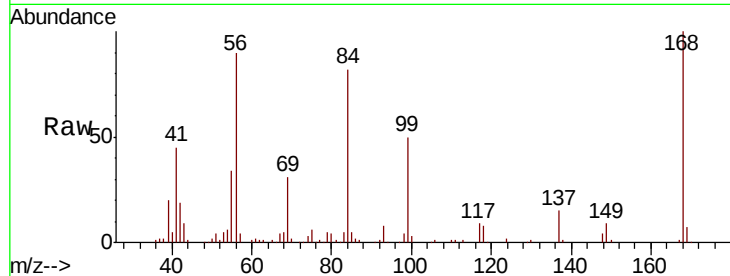




#31
Cyclohexane
Concen: 45.726 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

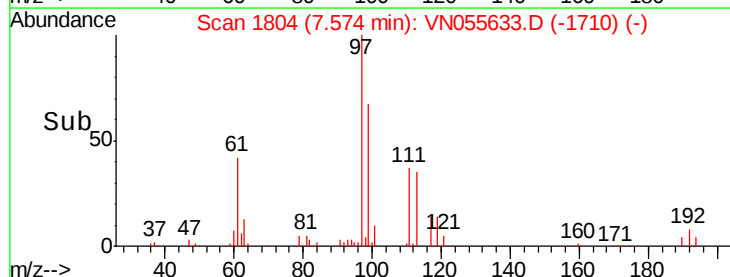
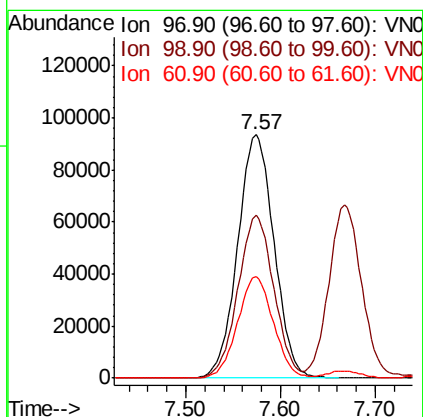
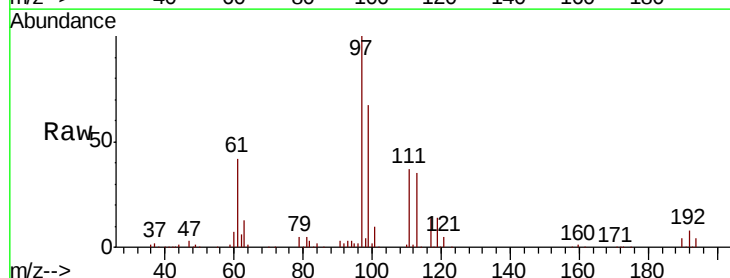
Instrument :
MSVOA_N
ClientSampled :

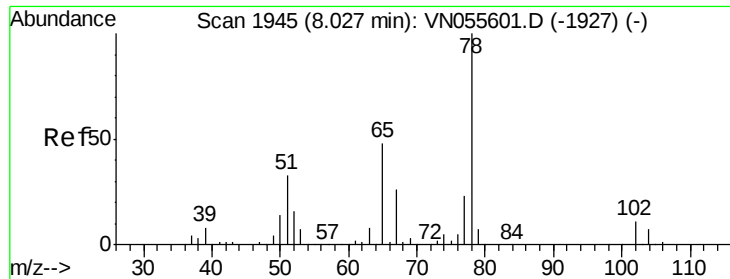
Tot Ion: 56 Resp: 251676
Ion Ratio Lower Upper
56 100
69 33.9 27.2 40.8
84 89.8 71.3 106.9



#32
1,1,1-Trichloroethane
Concen: 46.829 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 97 Resp: 250036
Ion Ratio Lower Upper
97 100
99 65.8 51.4 77.2
61 41.1 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 49.624 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

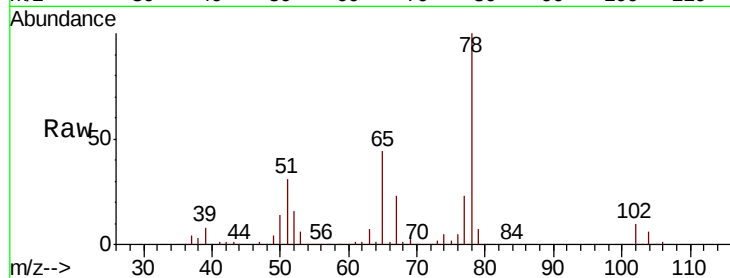
ClientSampled :

Tot Ion: 65 Resp: 184165

Ion Ratio Lower Upper

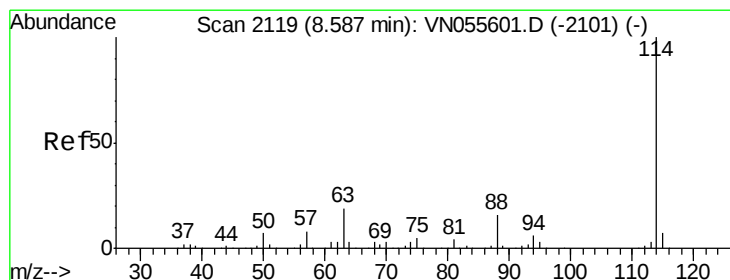
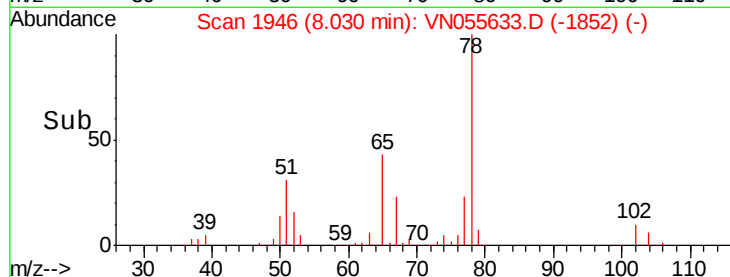
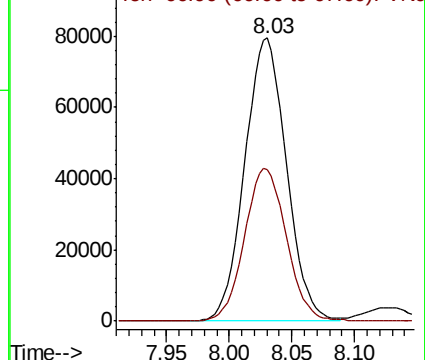
65 100

67 54.0 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055633.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055633.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

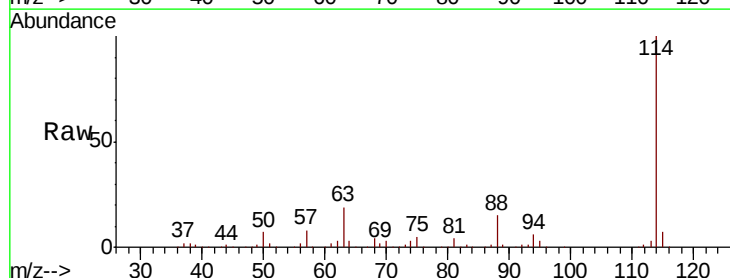
Tgt Ion: 114 Resp: 517579

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.2

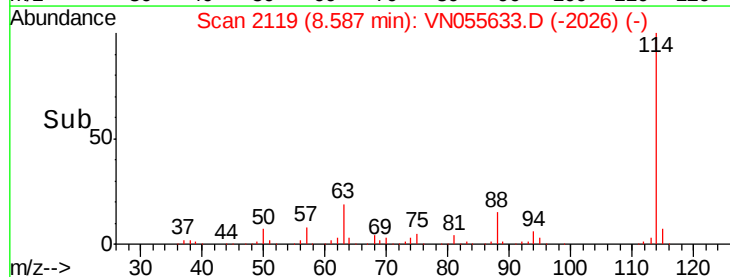
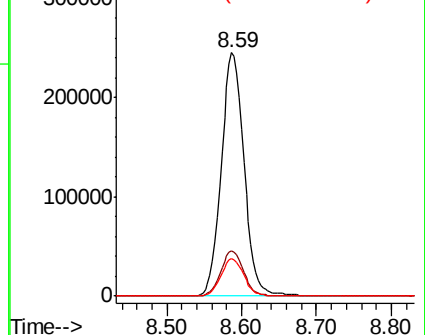
88 15.3 0.0 31.0

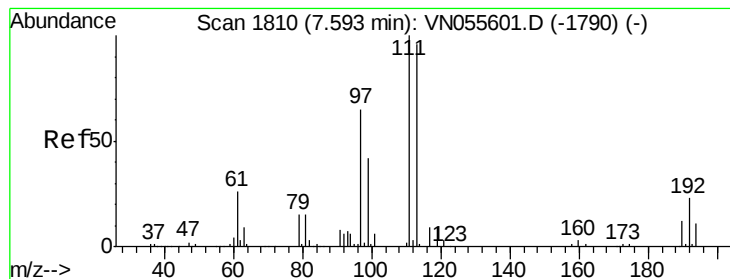


Abundance Ion 113.90 (113.60 to 114.60): VN055633.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055633.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055633.D (-2026) (-)





#35

Dibromofluoromethane

Concen: 50.459 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampleId :

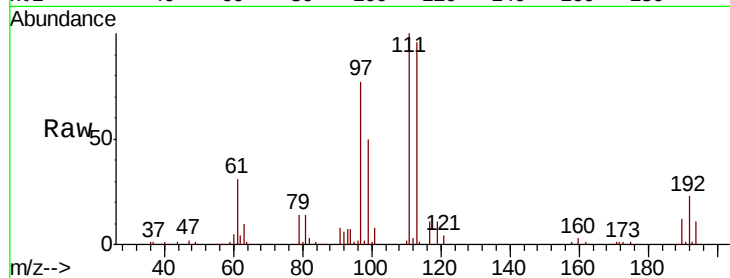
Tot Ion:113 Resp: 165905

Ion Ratio Lower Upper

113 100

111 103.5 82.5 123.7

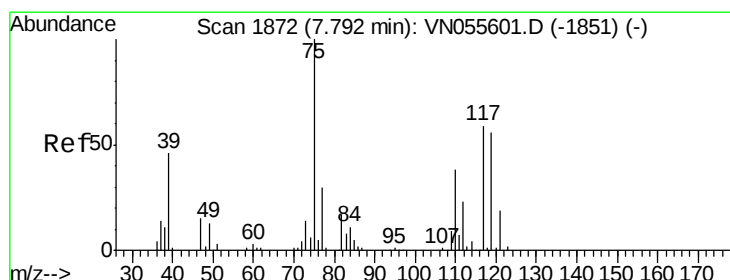
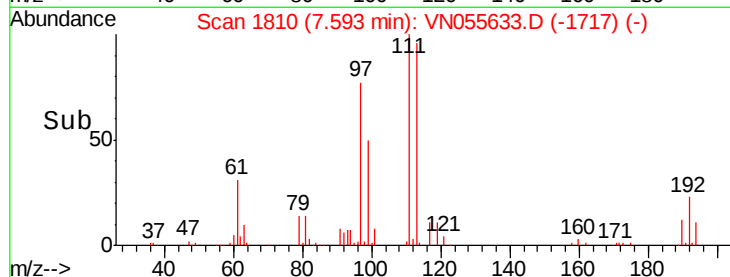
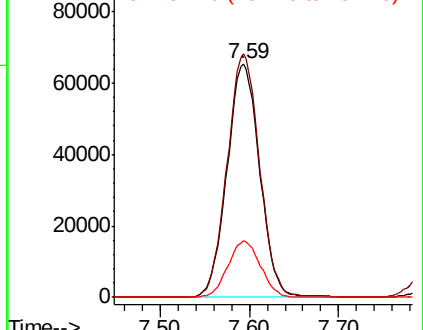
192 24.1 18.7 28.1



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: 46.489 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

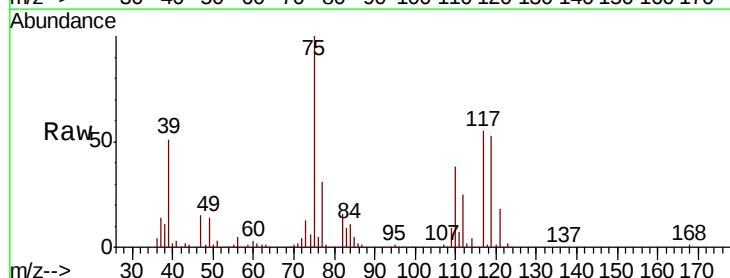
Tgt Ion: 75 Resp: 214523

Ion Ratio Lower Upper

75 100

110 38.0 18.6 55.6

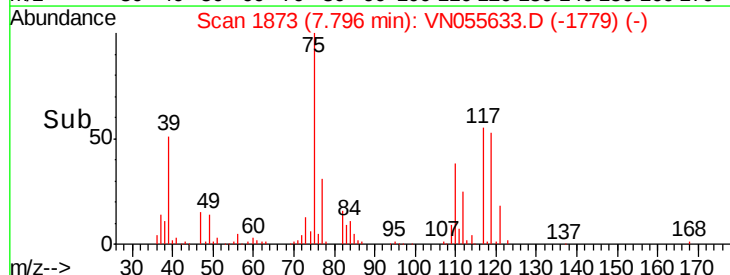
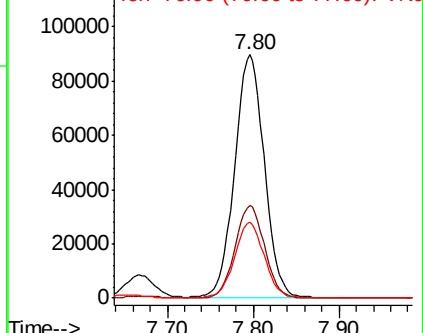
77 31.4 24.9 37.3

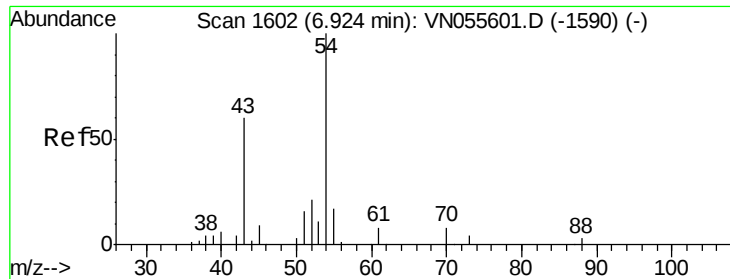


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

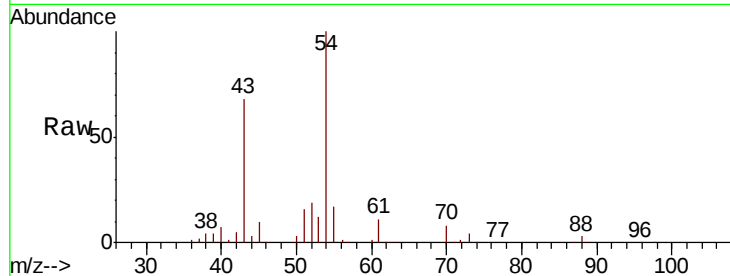




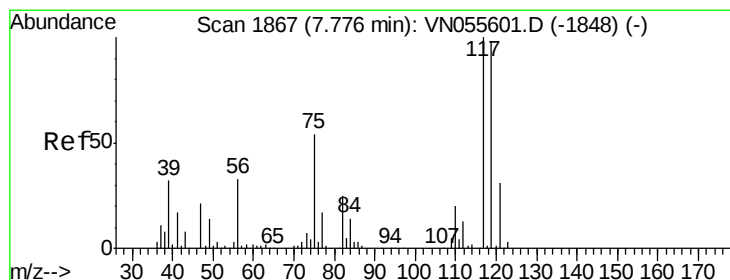
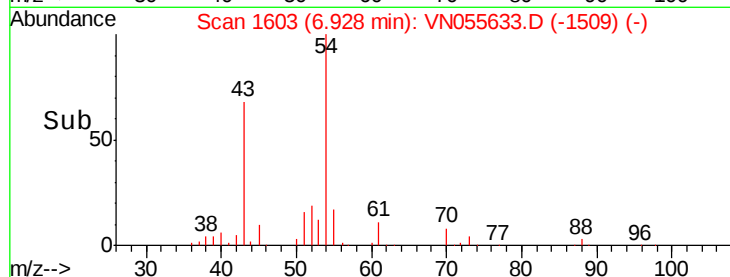
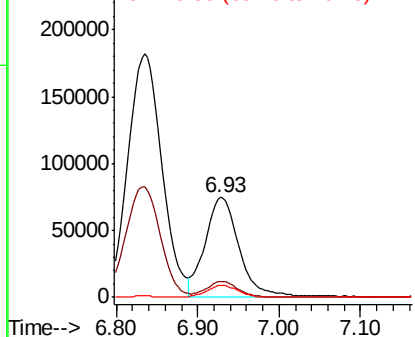
#37
Ethyl Acetate
Concen: 51.846 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 215888
Ion Ratio Lower Upper
43 100
61 14.7 11.4 17.0
70 11.0 9.2 13.8

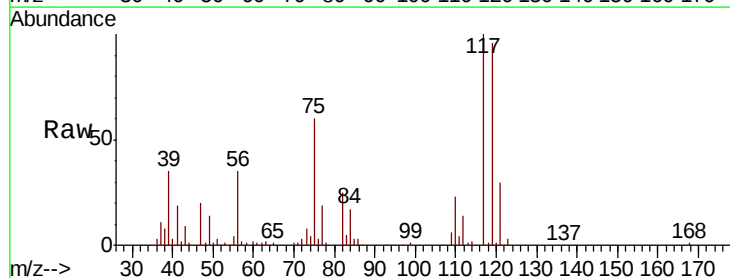


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

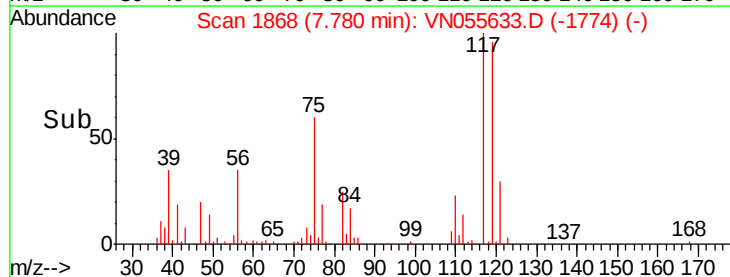
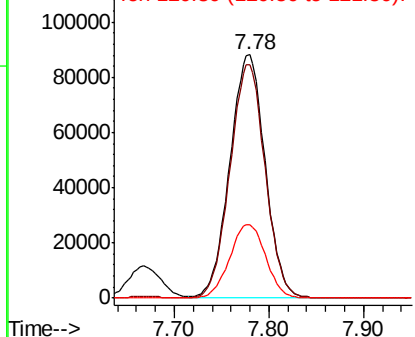


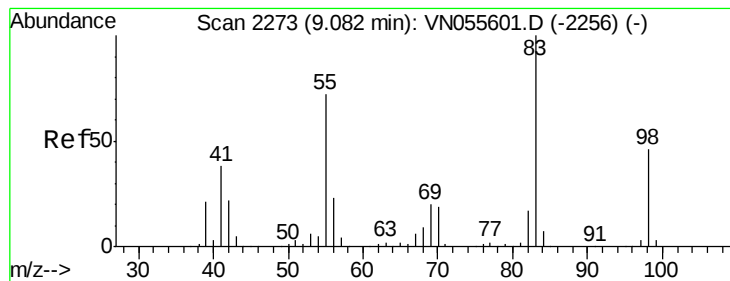
#38
Carbon Tetrachloride
Concen: 46.178 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 117 Resp: 227708
Ion Ratio Lower Upper
117 100
119 96.3 77.8 116.8
121 30.2 24.6 37.0



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: 44.517 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampled :

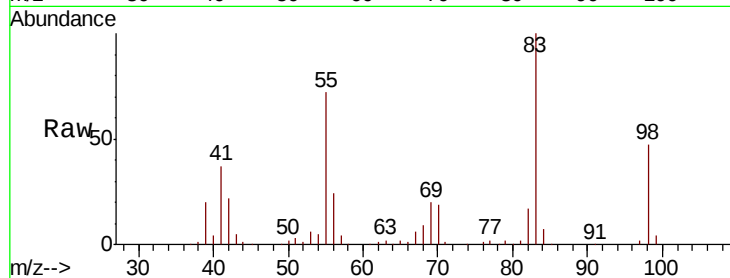
Tot Ion: 83 Resp: 247638

Ion Ratio Lower Upper

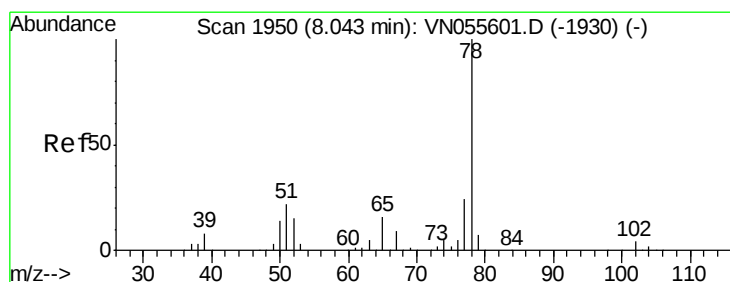
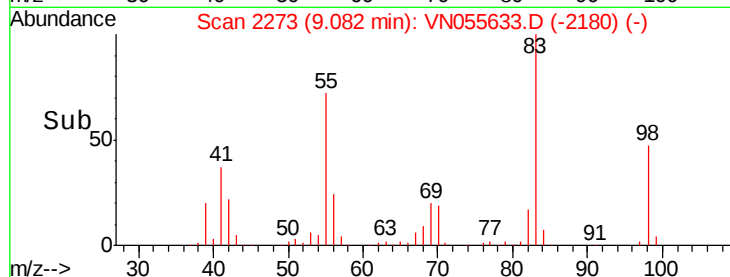
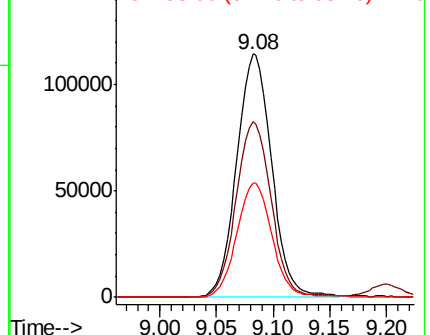
83 100

55 71.8 57.8 86.6

98 46.9 36.7 55.1



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: 48.226 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055633.D

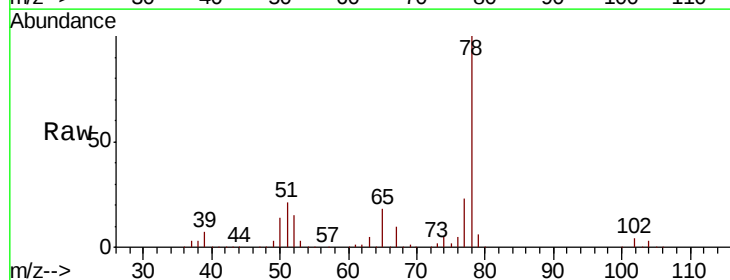
Acq: 18 May 2019 00:14

Tgt Ion: 78 Resp: 654558

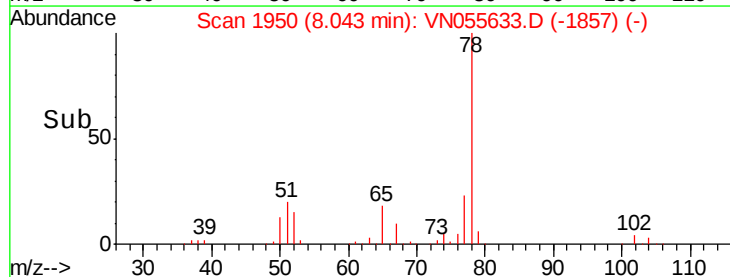
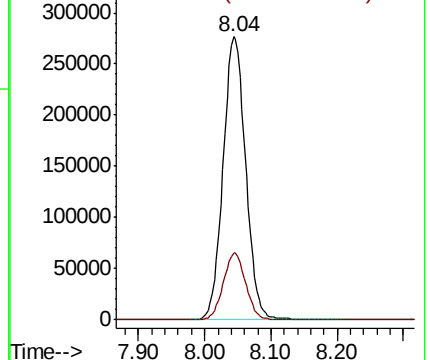
Ion Ratio Lower Upper

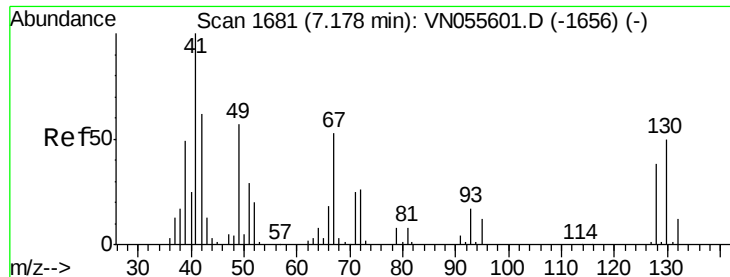
78 100

77 23.5 18.9 28.3



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





#41

Methacrylonitrile

Concen: 171.921 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.03 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 41 Resp: 306068

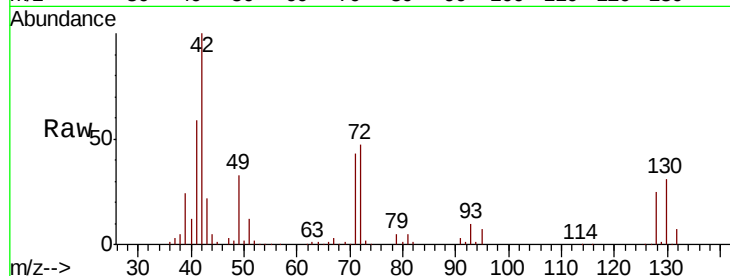
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

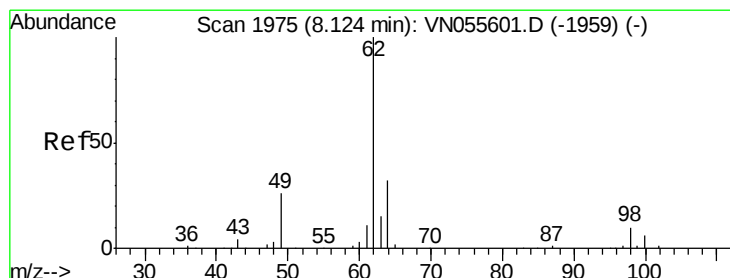
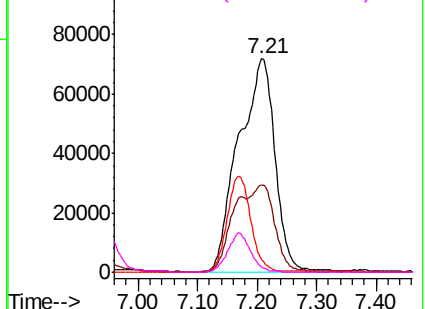
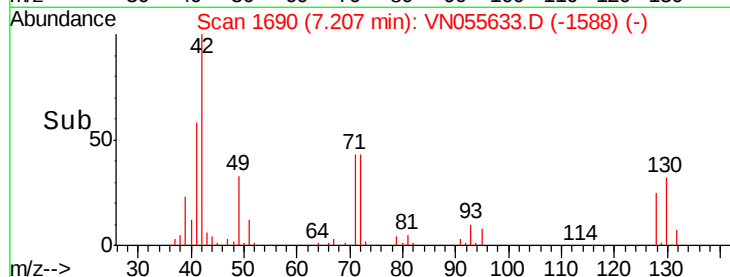


Abundance Ion 41.00 (40.70 to 41.70): VNC

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: 48.807 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055633.D

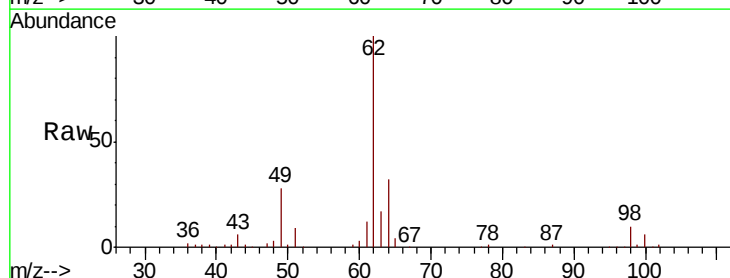
Acq: 18 May 2019 00:14

Tgt Ion: 62 Resp: 214514

Ion Ratio Lower Upper

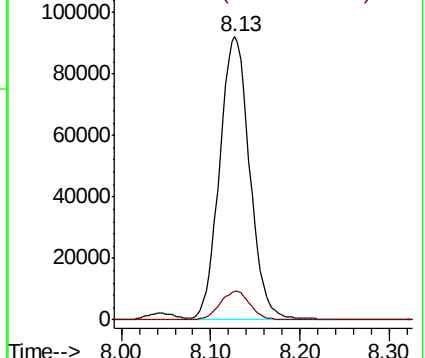
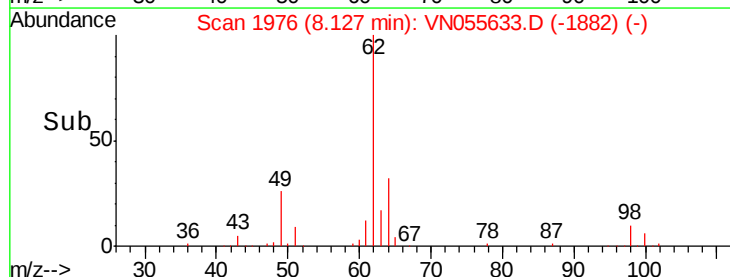
62 100

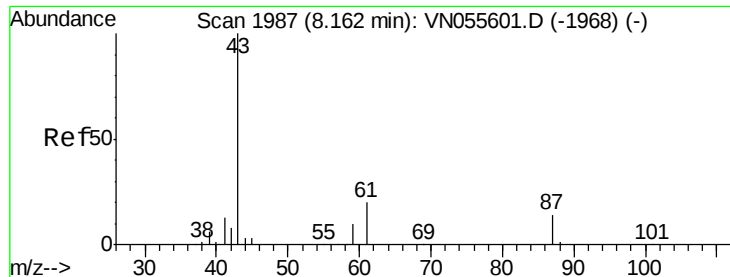
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 49.030 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

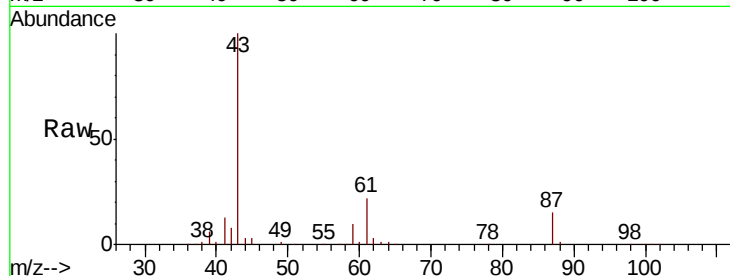
Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 355138

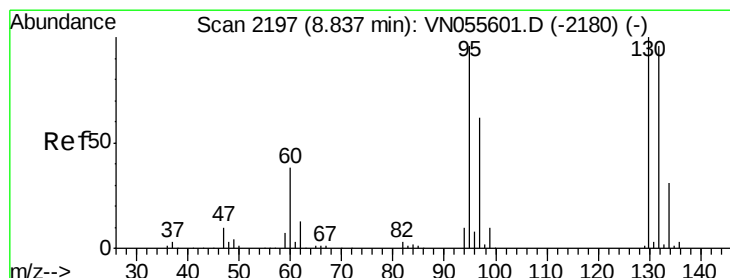
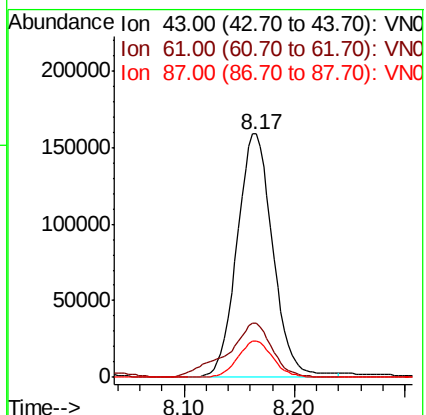
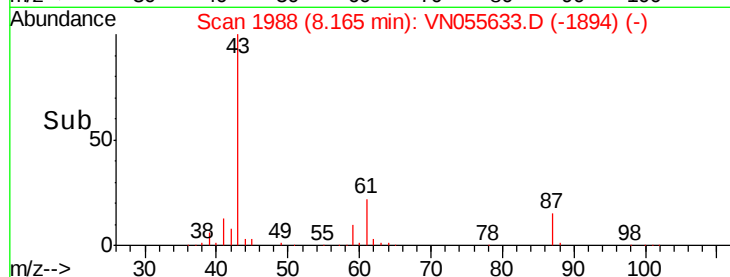
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.1	33.1
87	14.8	11.8	17.6



Abundance Ion 43.00 (42.70 to 43.70): VN055633.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055633.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055633.D (-1968) (-)



#44

Trichloroethene

Concen: 49.782 ug/l

RT: 8.84 min Scan# 2197

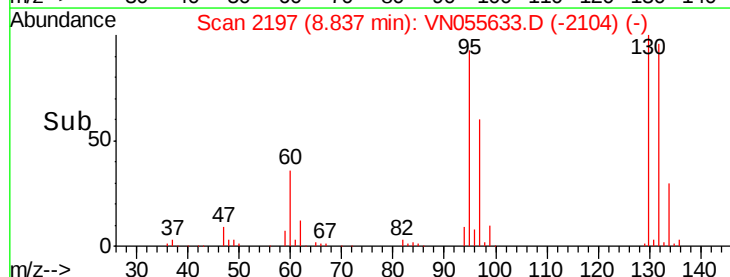
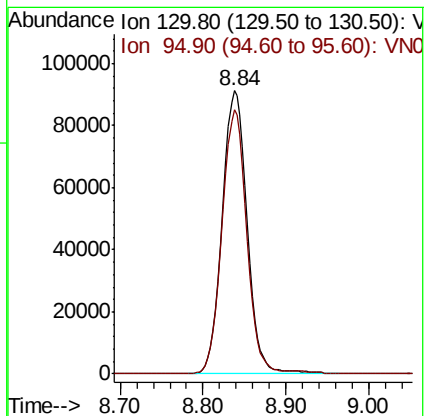
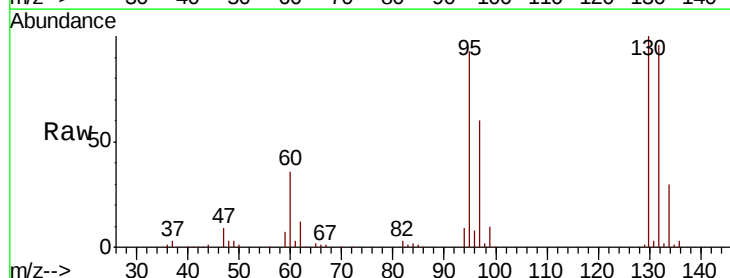
Delta R.T. 0.00 min

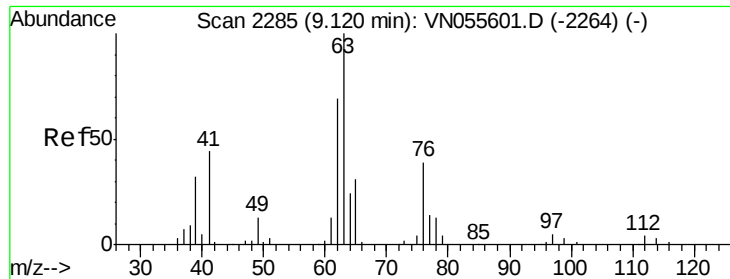
Lab File: VN055633.D

Acq: 18 May 2019 00:14

Tgt Ion:130 Resp: 190658

Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	191.0

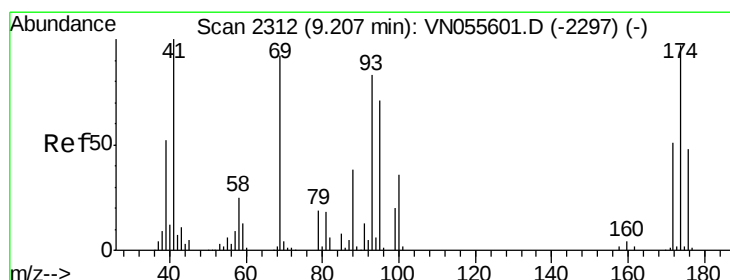
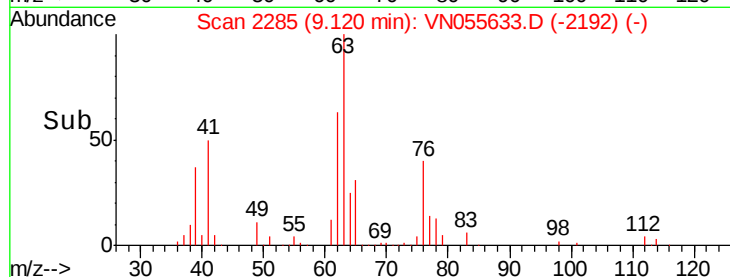
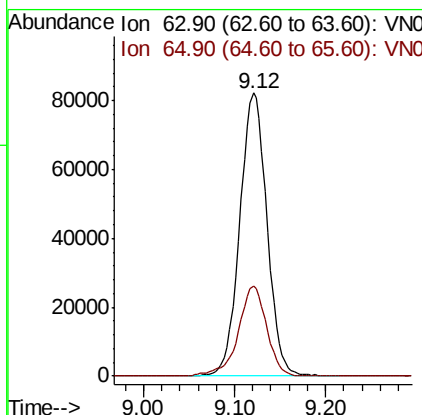
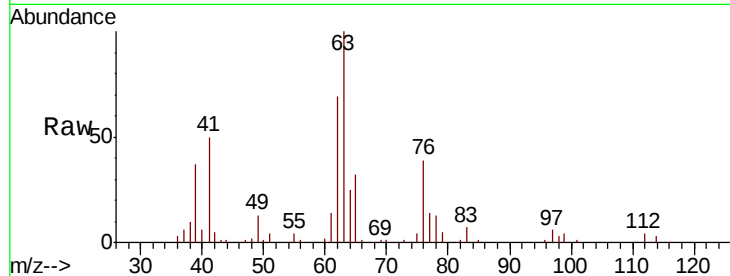




#45
 1,2-Dichloropropane
 Concen: 47.769 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055633.D
 Acq: 18 May 2019 00:14

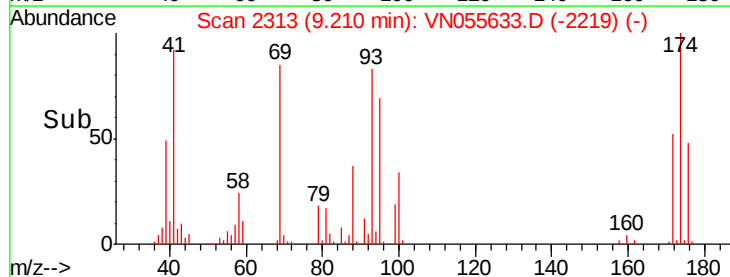
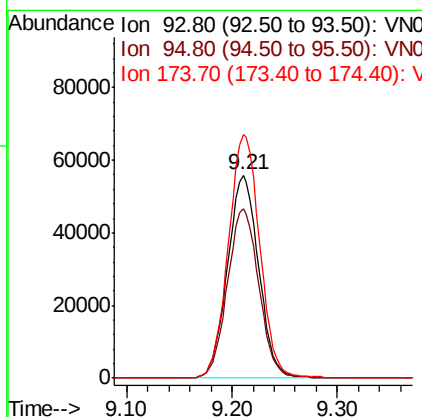
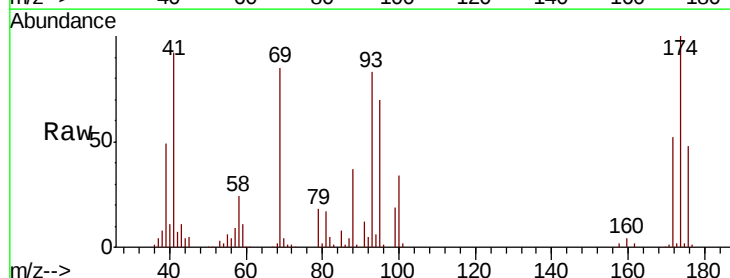
Instrument :
 MSVOA_N
 ClientSampleId :

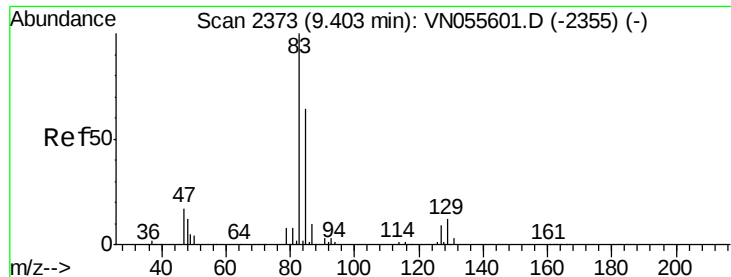
Tot Ion: 63 Resp: 170805
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.2 37.8



#46
 Dibromomethane
 Concen: 48.769 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055633.D
 Acq: 18 May 2019 00:14

Tgt Ion: 93 Resp: 114130
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.9 101.9
 174 121.1 93.8 140.6

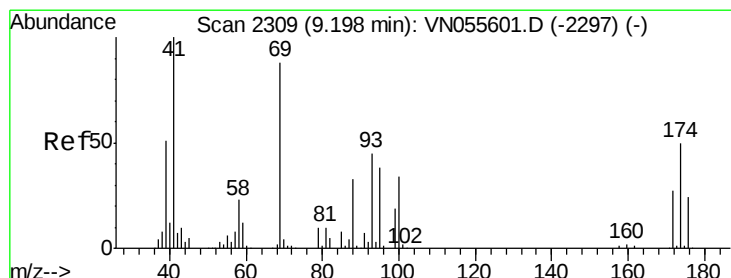
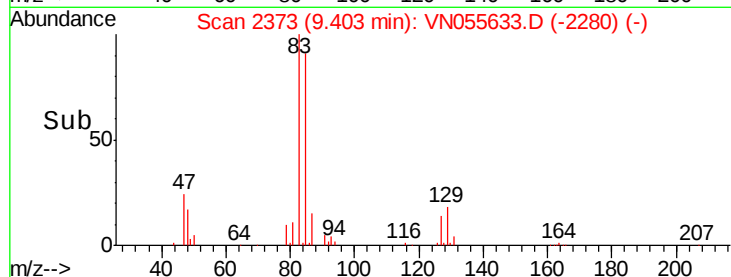
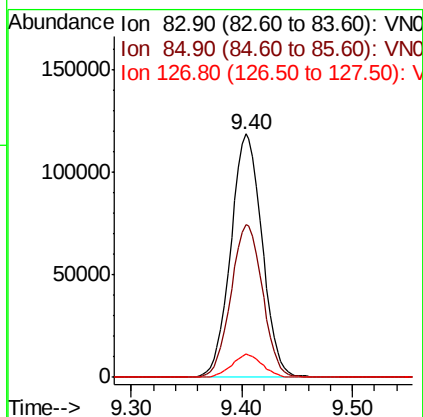
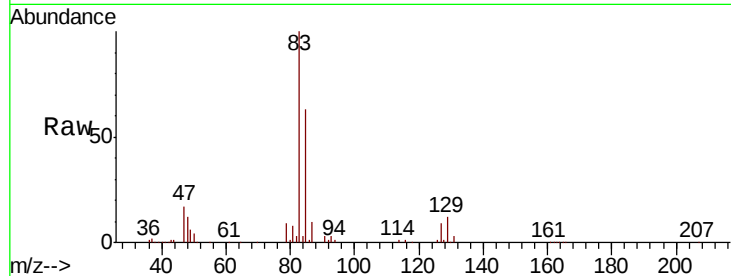




#47
Bromodichloromethane
Concen: 47.709 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

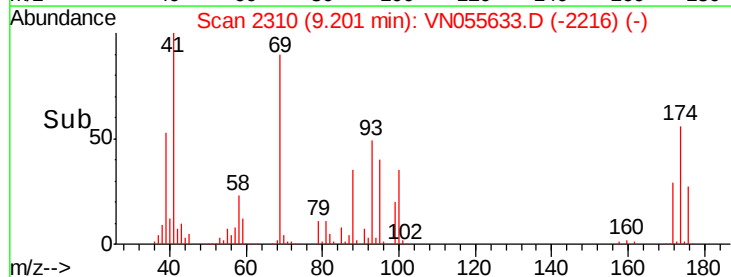
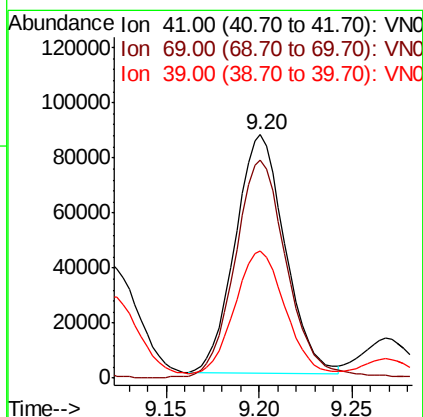
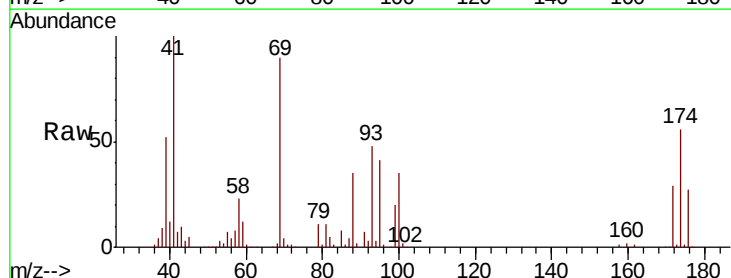
Instrument :
MSVOA_N
ClientSampleId :

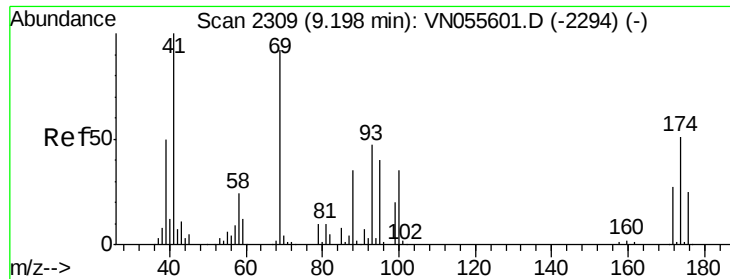
Tot Ion: 83 Resp: 234003
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.0
127 9.4 7.1 10.7



#48
Methyl methacrylate
Concen: 49.873 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 41 Resp: 161465
Ion Ratio Lower Upper
41 100
69 96.5 74.2 111.2
39 55.7 43.8 65.8

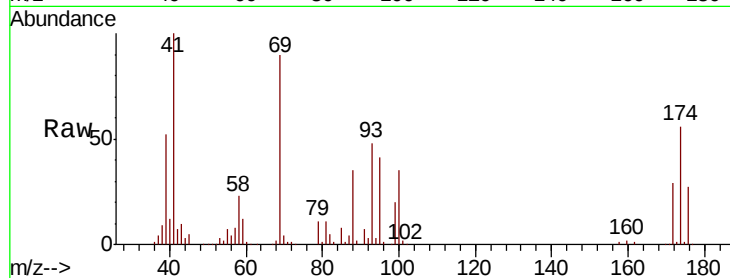




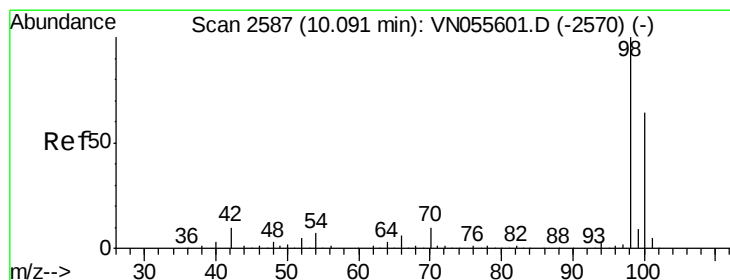
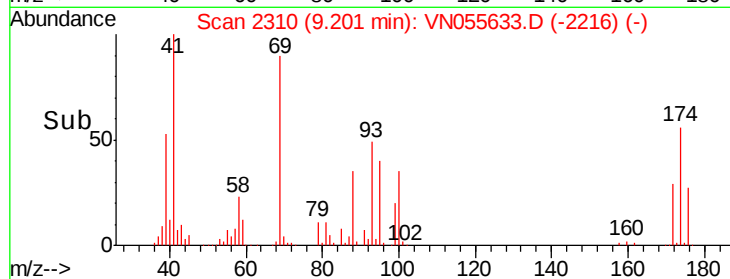
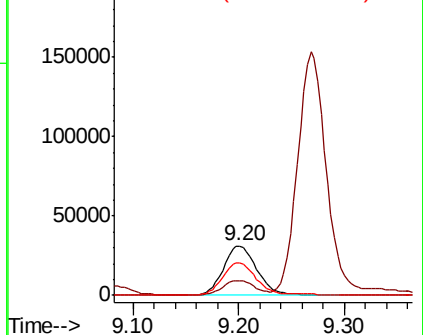
#49
1,4-Dioxane
Concen: 1069.295 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 68790
Ion Ratio Lower Upper
88 100
43 27.2 22.4 33.6
58 65.6 53.4 80.2

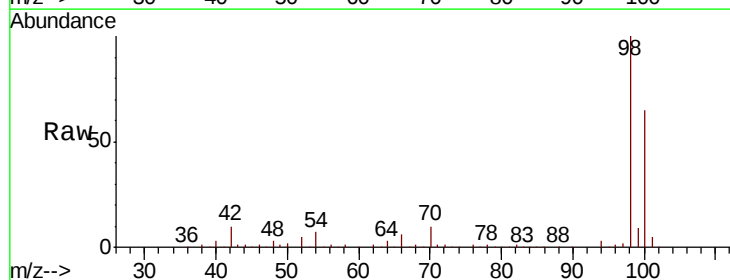


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

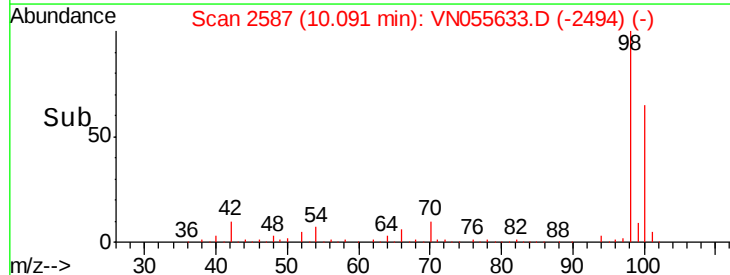
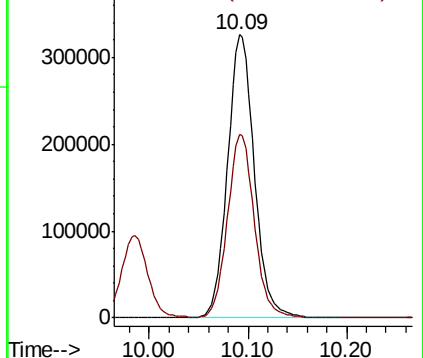


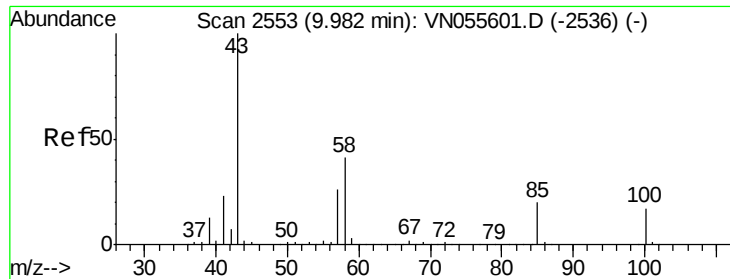
#50
Toluene-d8
Concen: 49.755 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 98 Resp: 618552
Ion Ratio Lower Upper
98 100
100 65.2 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: 247.958 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

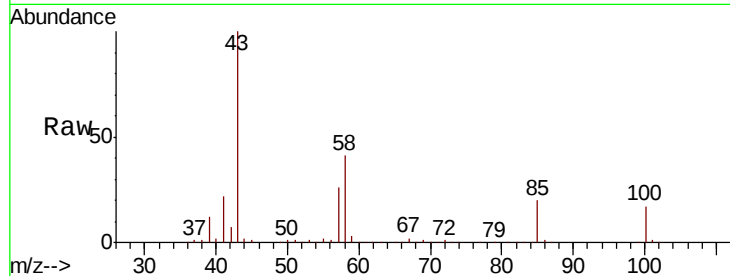
ClientSampled :

Tot Ion: 43 Resp: 1053528

Ion Ratio Lower Upper

43 100

58 41.1 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN055601.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2536) (-)

9.99

600000

500000

400000

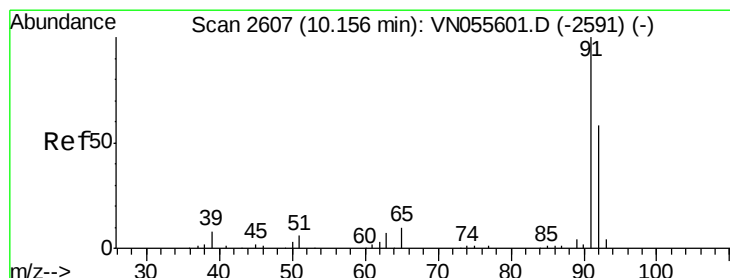
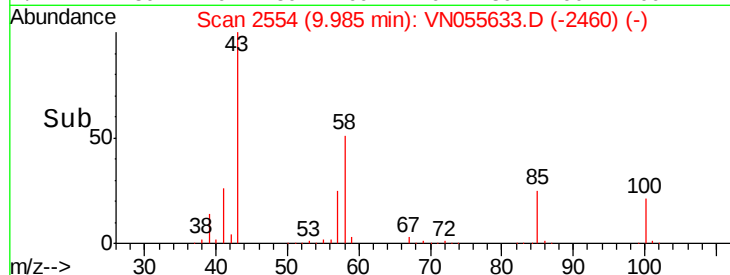
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.181 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055633.D

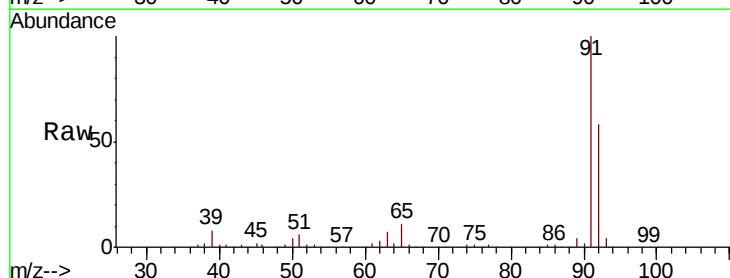
Acq: 18 May 2019 00:14

Tgt Ion: 92 Resp: 410166

Ion Ratio Lower Upper

92 100

91 173.4 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN055601.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055601.D (-2591) (-)

10.16

400000

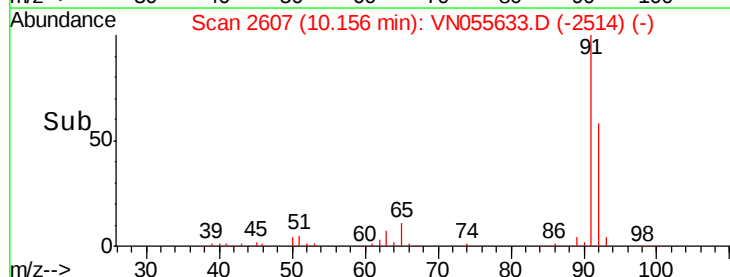
300000

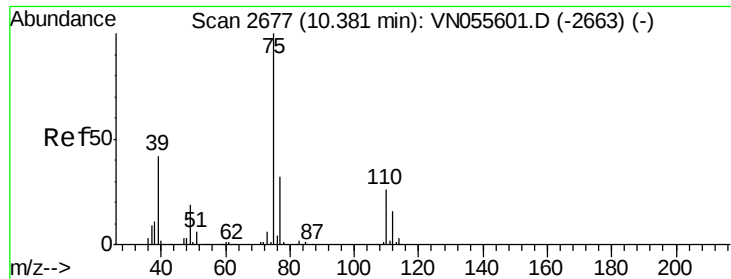
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.692 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

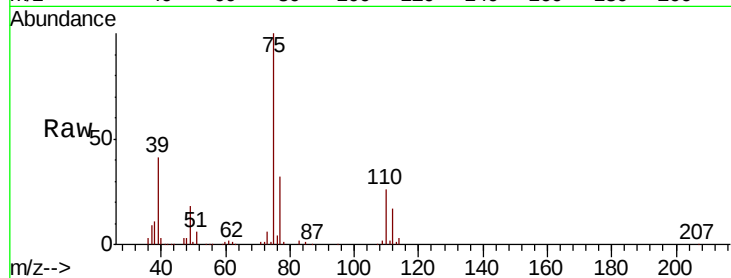
ClientSampleId :

Tot Ion: 75 Resp: 251766

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

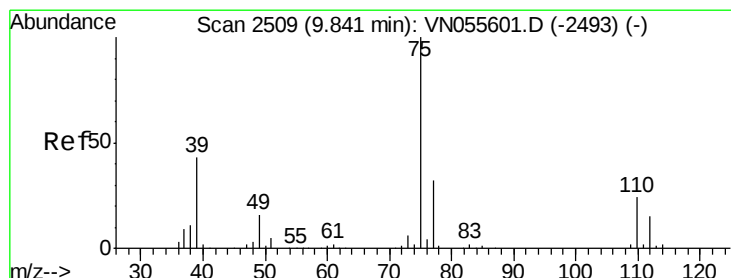
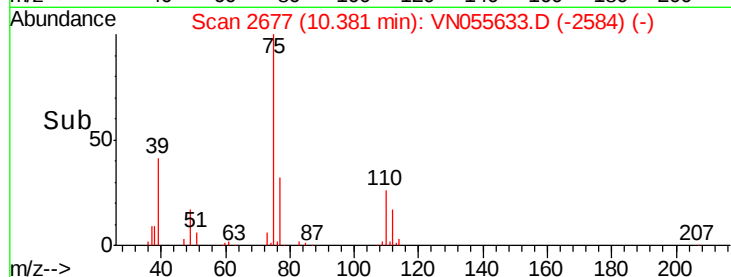
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.237 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

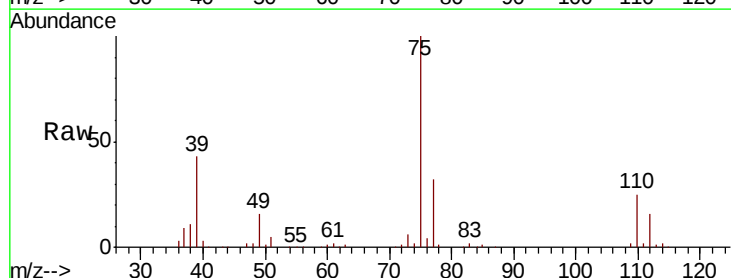
Tgt Ion: 75 Resp: 273181

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

39 43.0 34.7 52.1



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

9.84

200000

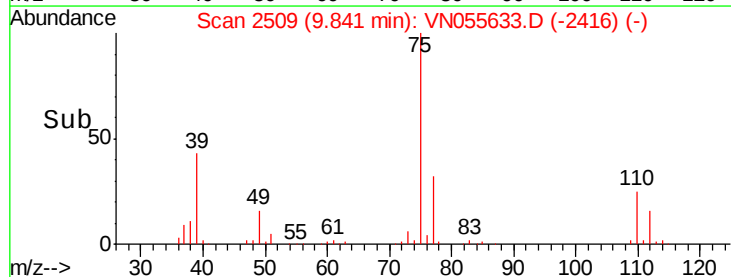
150000

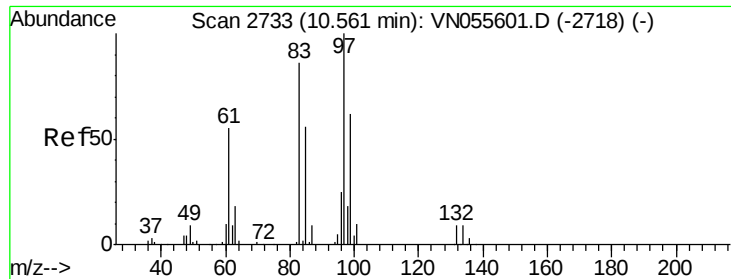
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.100 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 168576

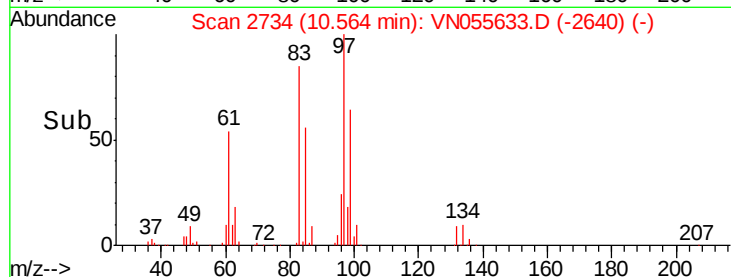
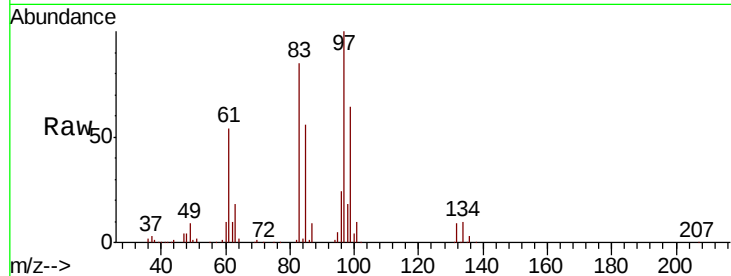
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.4	102.6
85	55.9	44.8	67.2
99	63.9	49.9	74.9

97 100

83 85.0 68.4 102.6

85 55.9 44.8 67.2

99 63.9 49.9 74.9



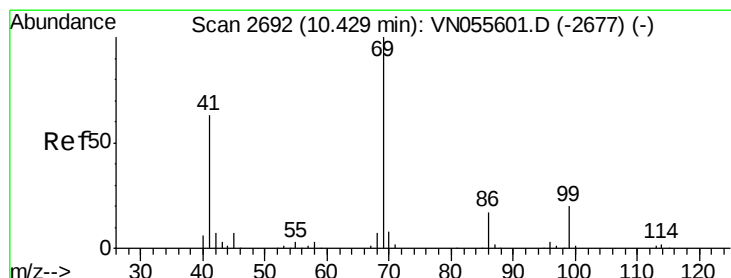
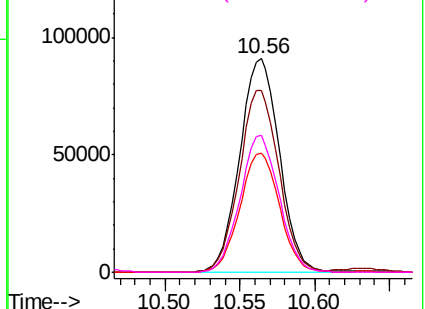
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 47.668 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

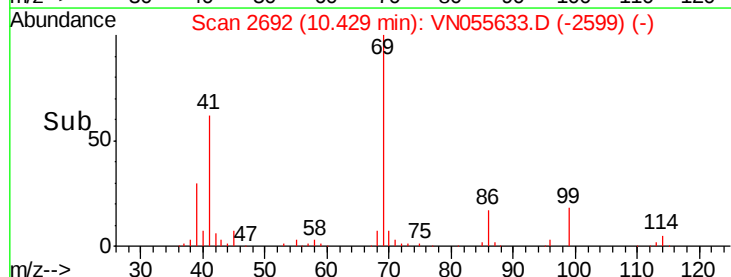
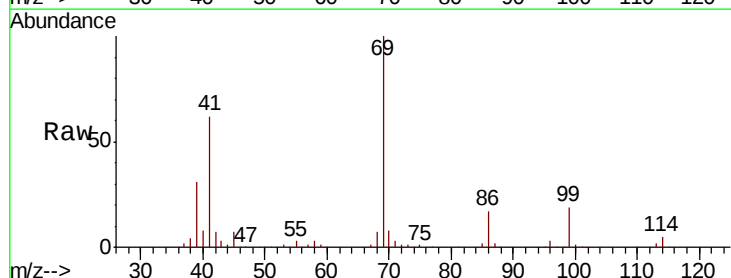
Tgt Ion: 69 Resp: 260790

Ion	Ratio	Lower	Upper
69	100		
41	62.3	50.3	75.5
39	31.5	25.4	38.2

69 100

41 62.3 50.3 75.5

39 31.5 25.4 38.2

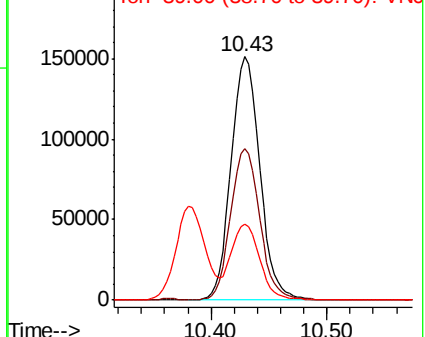


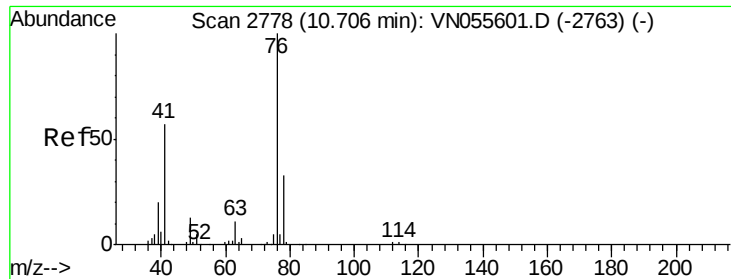
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.166 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

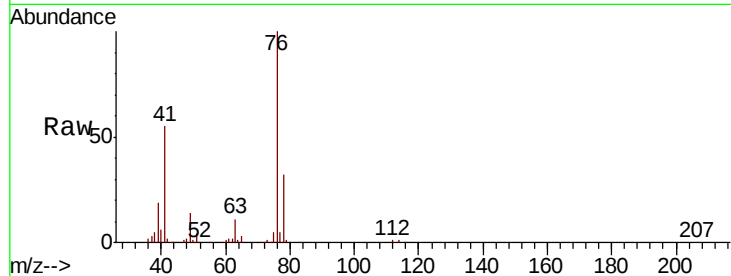
ClientSampleId :

Tot Ion: 76 Resp: 272906

Ion Ratio Lower Upper

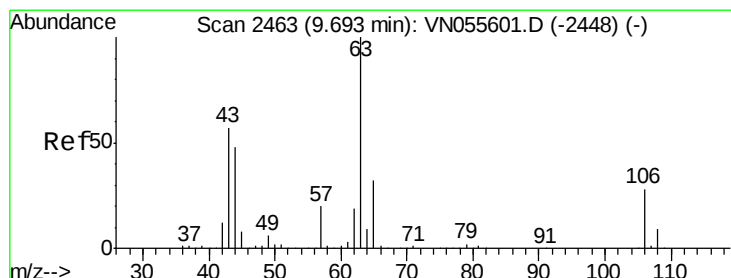
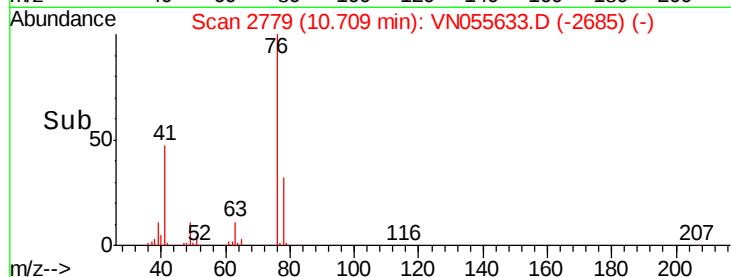
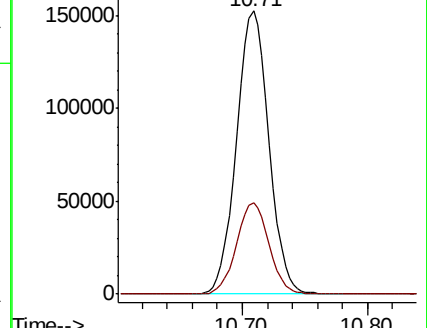
76 100

78 32.3 26.5 39.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 243.641 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055633.D

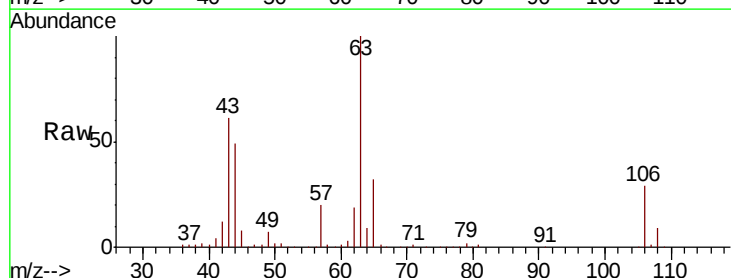
Acq: 18 May 2019 00:14

Tgt Ion: 63 Resp: 566367

Ion Ratio Lower Upper

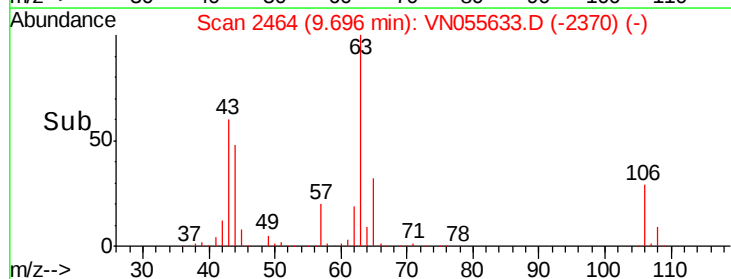
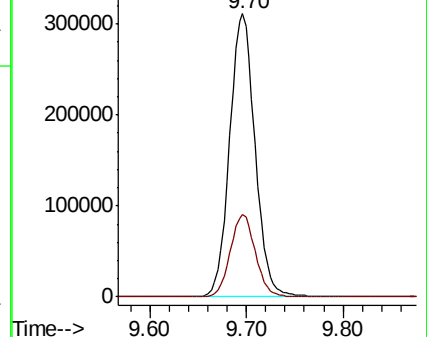
63 100

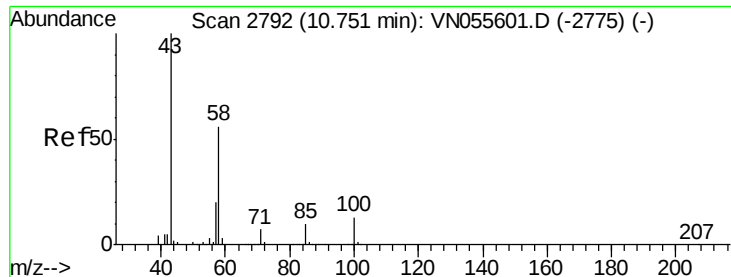
106 28.9 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

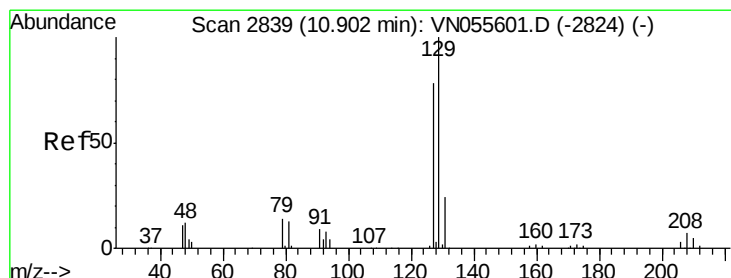
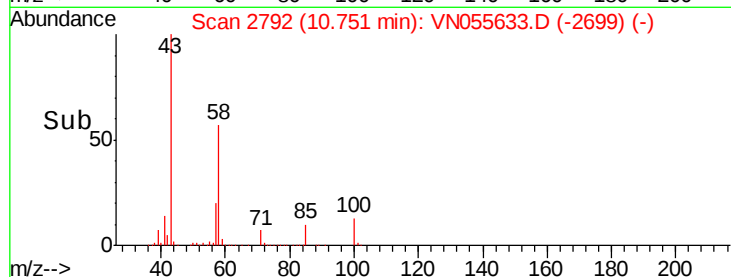
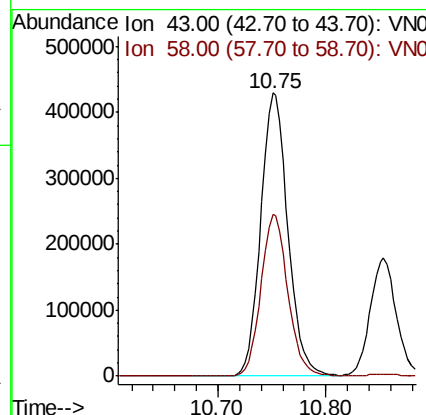
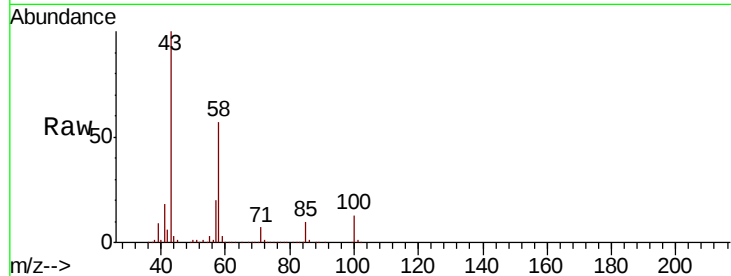




#59
2-Hexanone
Concen: 249.433 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

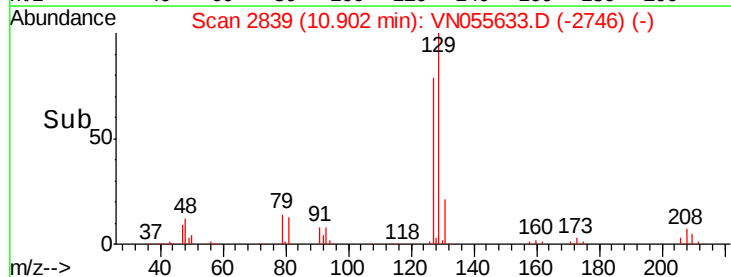
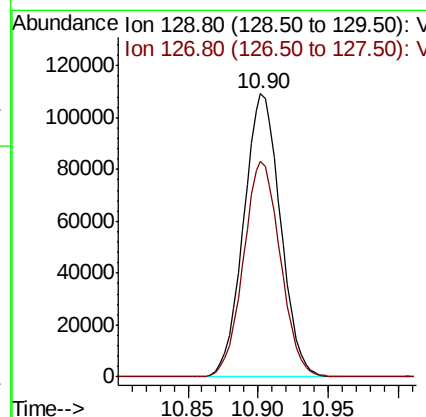
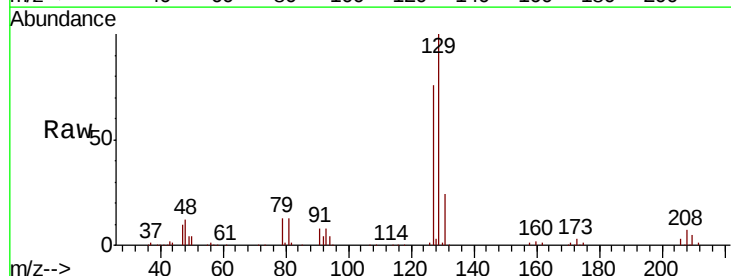
Instrument :
MSVOA_N
ClientSampled :

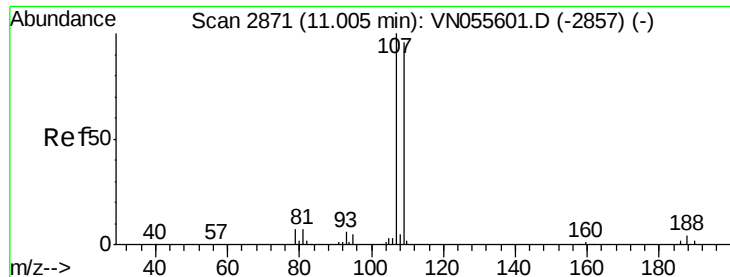
Tot Ion: 43 Resp: 746151
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.4



#60
Dibromochloromethane
Concen: 50.261 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 129 Resp: 199640
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

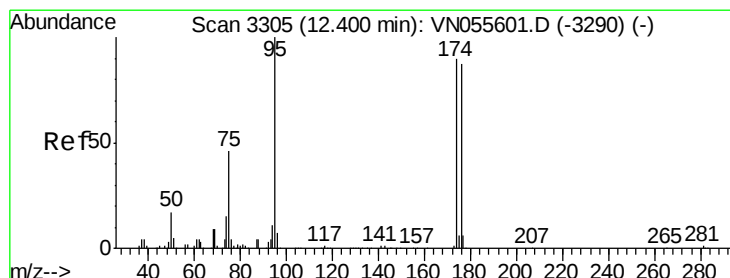
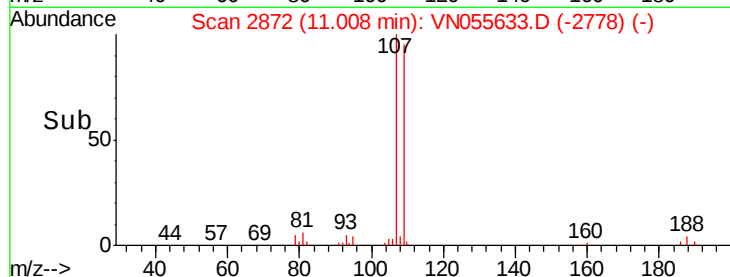
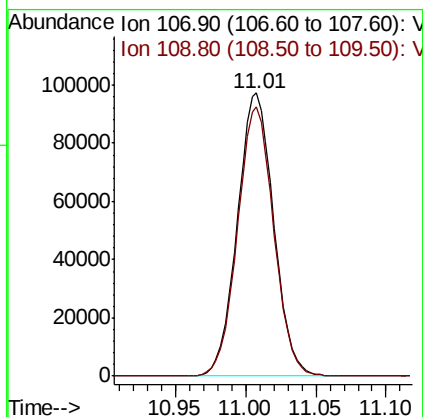
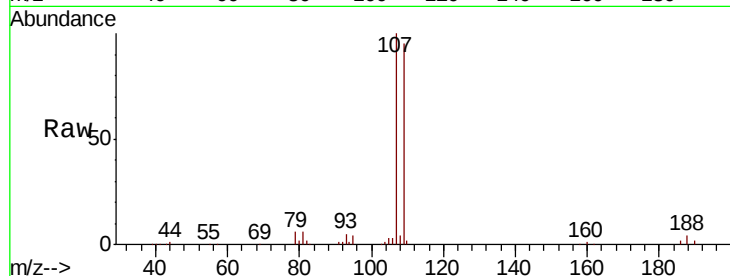




#61
 1,2-Dibromoethane
 Concen: 49.989 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055633.D
 Acq: 18 May 2019 00:14

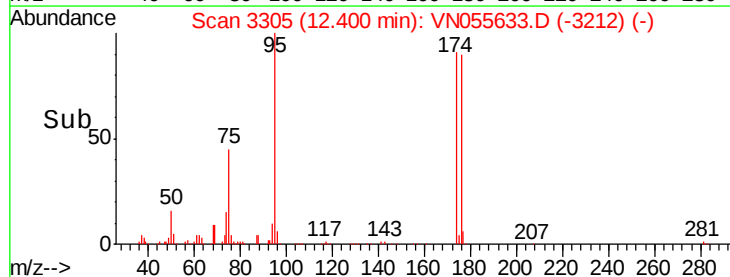
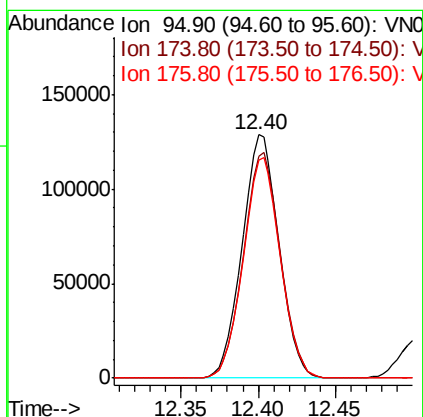
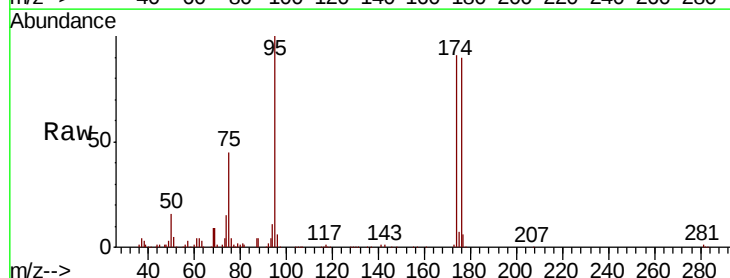
Instrument :
 MSVOA_N
 ClientSampled :

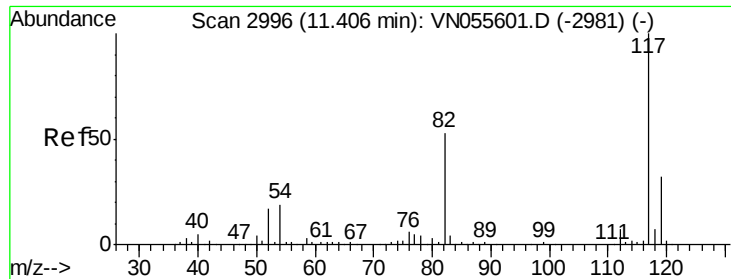
Tot Ion: 107 Resp: 175294
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.707 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055633.D
 Acq: 18 May 2019 00:14

Tgt Ion: 95 Resp: 213389
 Ion Ratio Lower Upper
 95 100
 174 93.1 0.0 180.6
 176 91.0 0.0 177.4

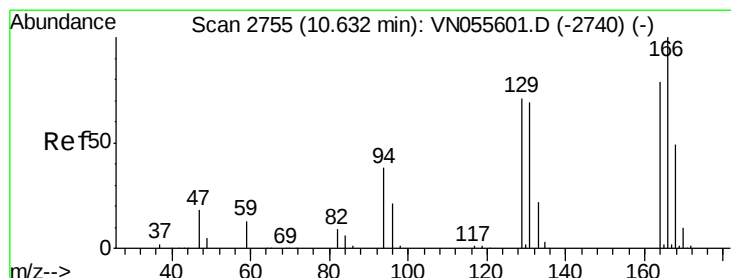
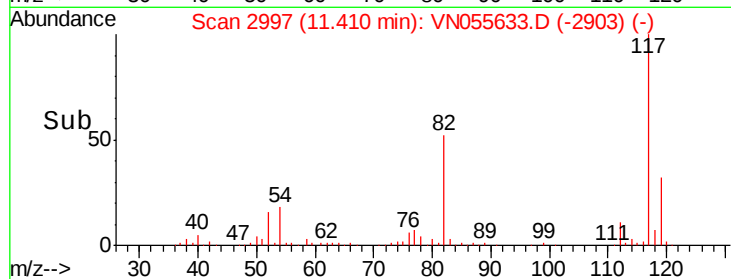
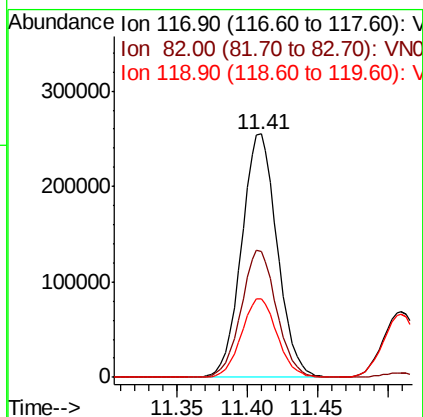
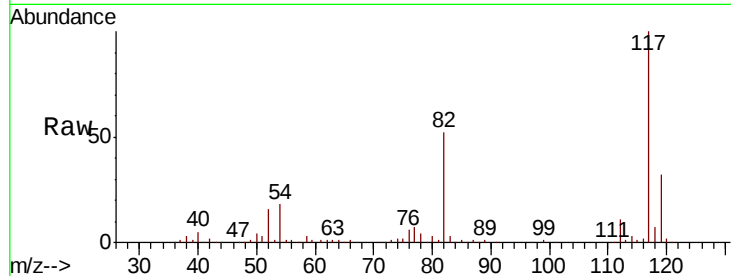




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

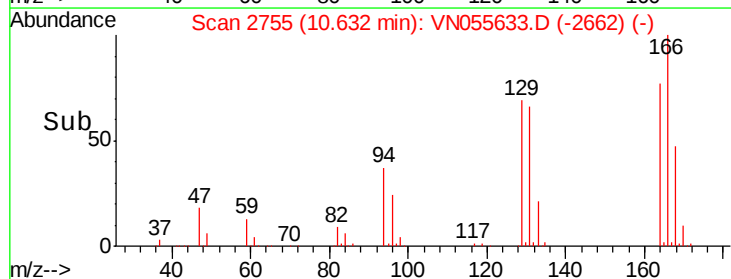
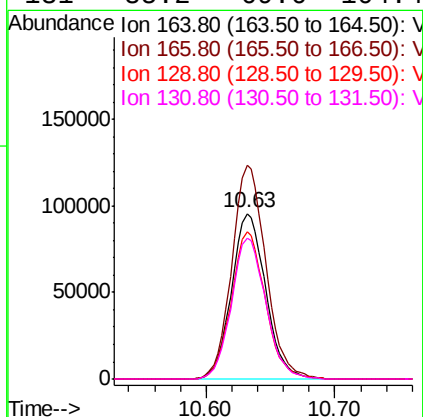
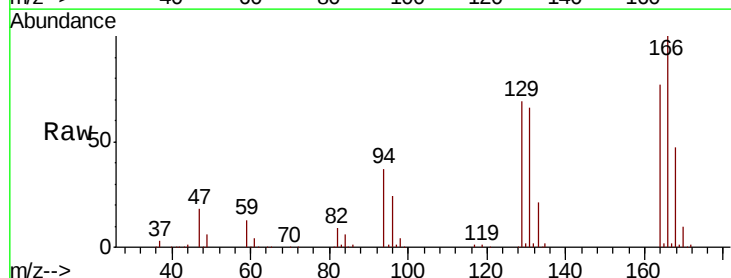
Instrument :
MSVOA_N
ClientSampleId :

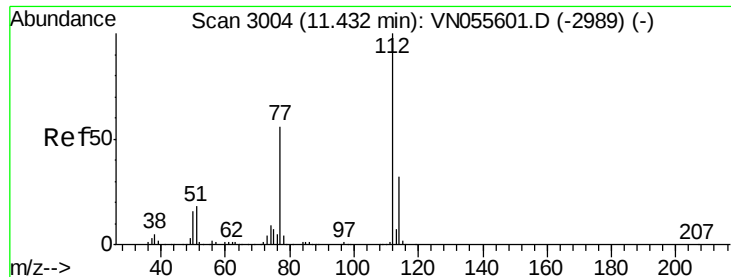
Tot Ion:117 Resp: 449866
Ion Ratio Lower Upper
117 100
82 51.9 42.3 63.5
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 49.595 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion:164 Resp: 175977
Ion Ratio Lower Upper
164 100
166 129.2 101.0 151.6
129 89.4 71.7 107.5
131 85.2 69.6 104.4

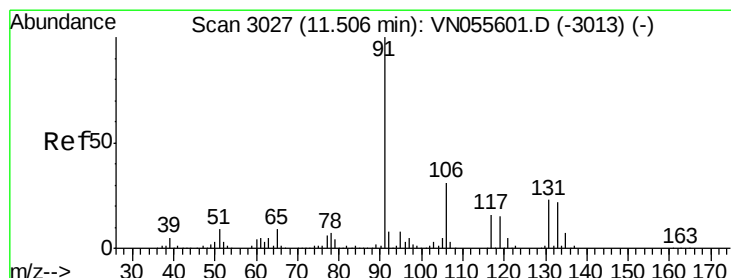
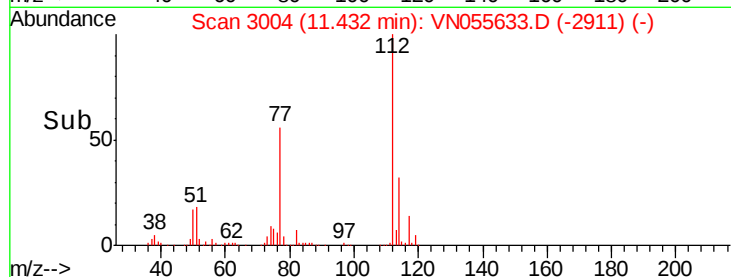
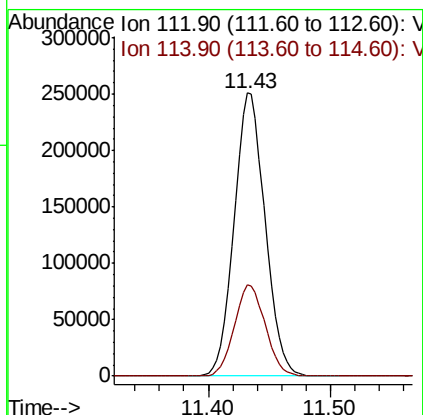
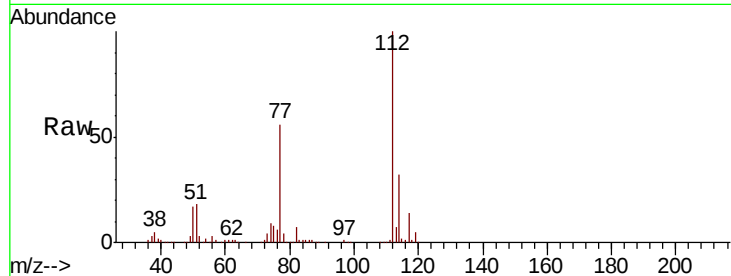




#65
Chlorobenzene
Concen: 48.368 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

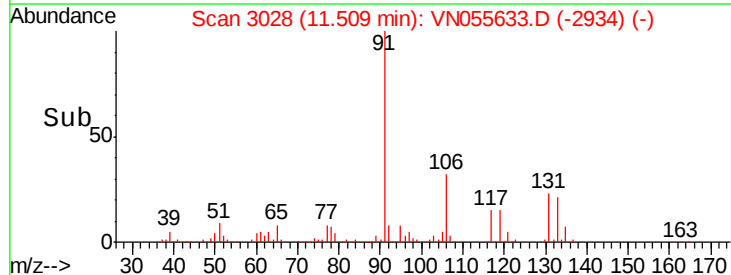
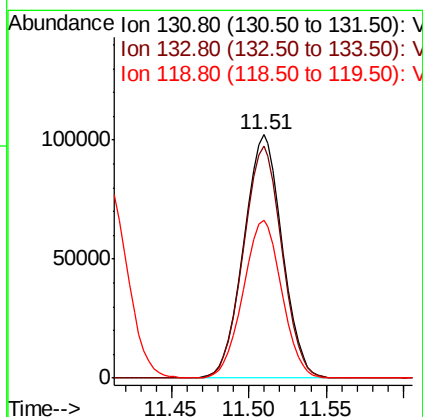
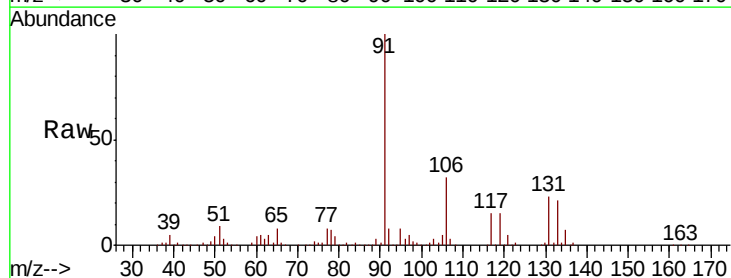
Instrument :
MSVOA_N
ClientSampled :

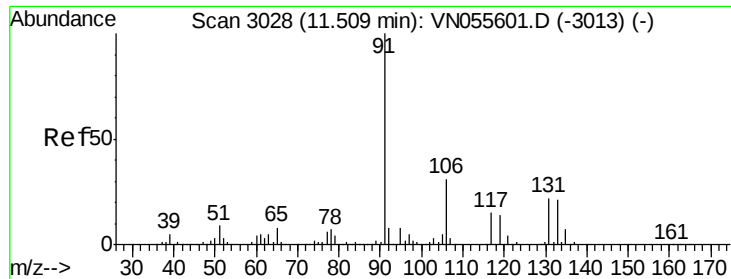
Tot Ion:112 Resp: 440104
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.450 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion:131 Resp: 177352
Ion Ratio Lower Upper
131 100
133 95.4 47.8 143.4
119 65.1 33.3 99.8

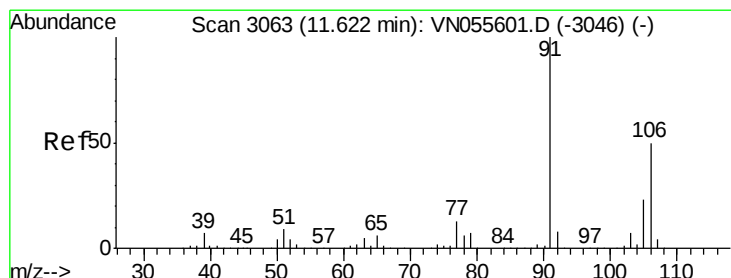
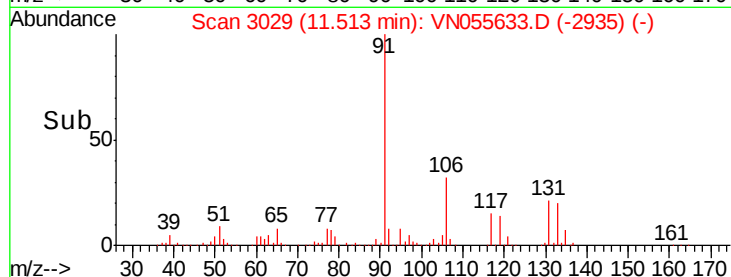
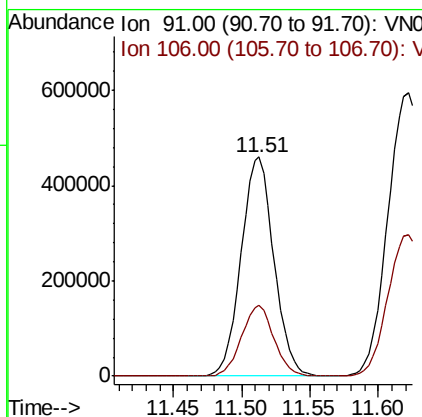
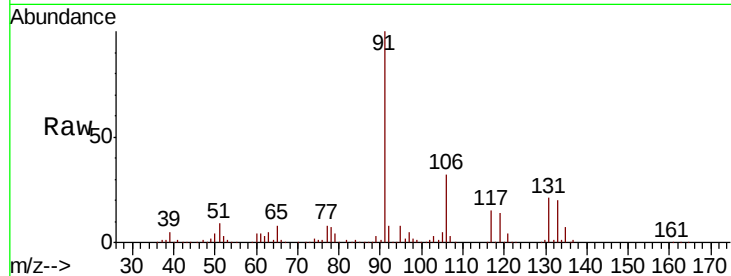




#67
Ethyl Benzene
Concen: 47.318 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

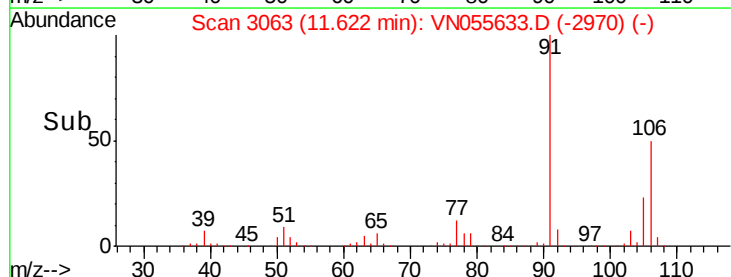
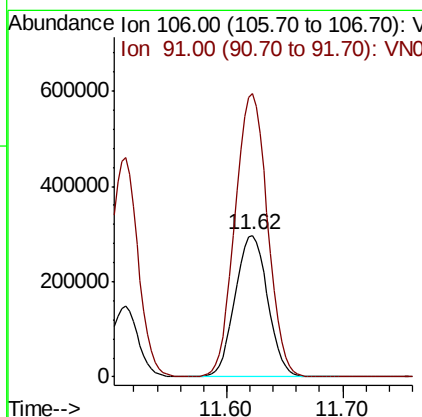
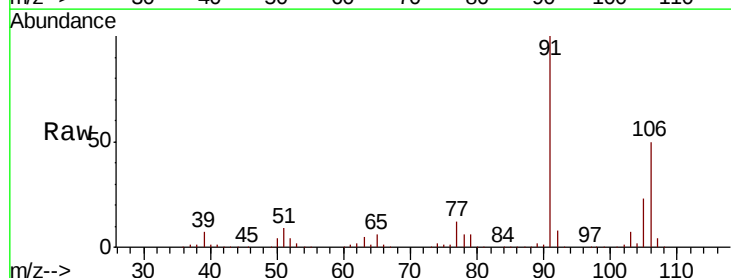
Instrument :
MSVOA_N
ClientSampled :

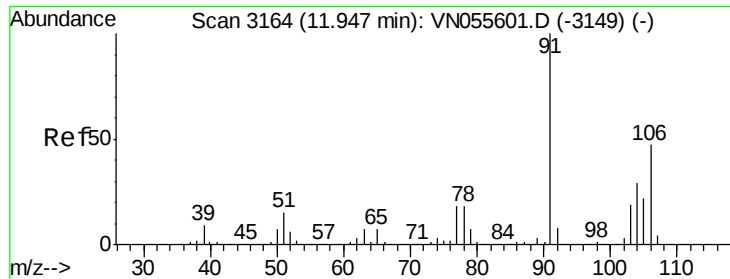
Tot Ion: 91 Resp: 766988
Ion Ratio Lower Upper
91 100
106 32.3 25.2 37.8



#68
m/p-Xylenes
Concen: 94.902 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 106 Resp: 580915
Ion Ratio Lower Upper
106 100
91 199.2 160.5 240.7

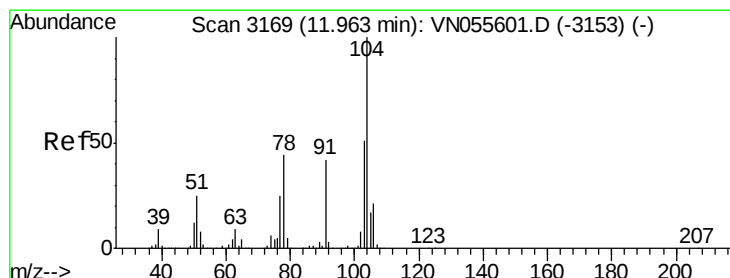
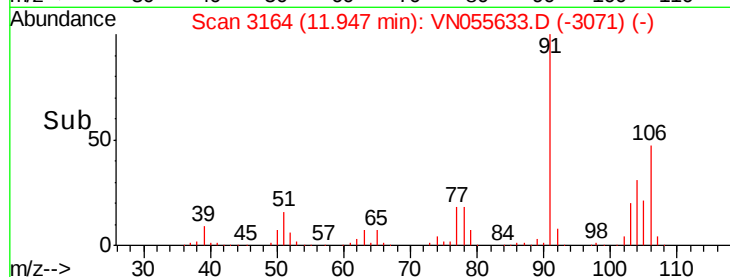
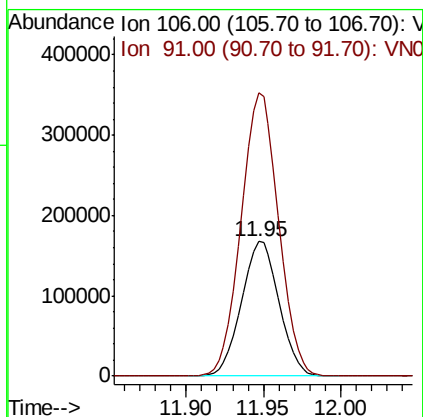
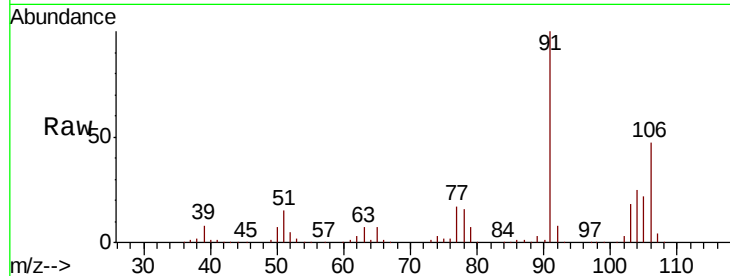




#69
o-Xylene
Concen: 47.293 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

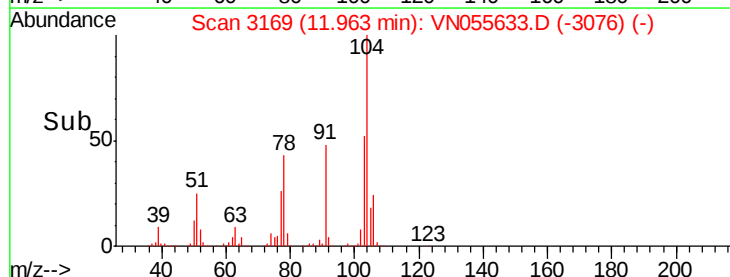
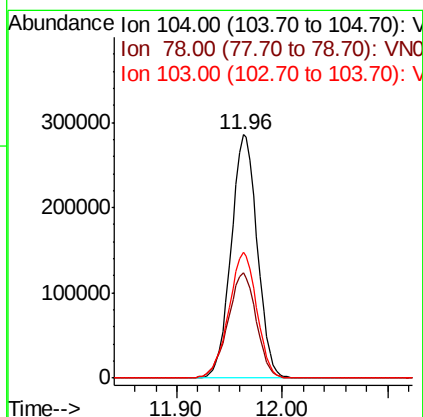
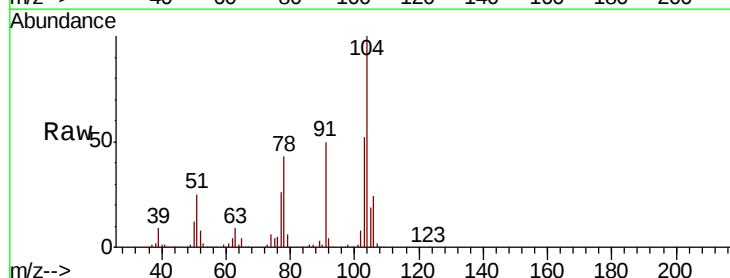
Instrument :
MSVOA_N
ClientSampled :

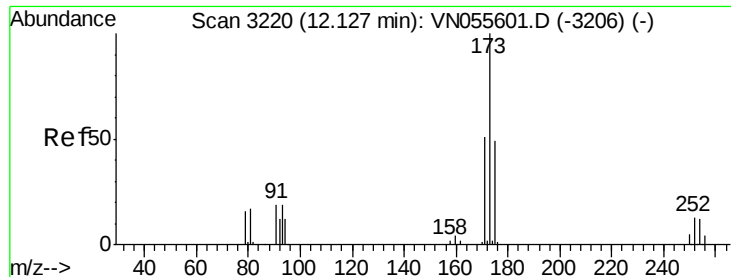
Tot Ion:106 Resp: 283142
Ion Ratio Lower Upper
106 100
91 209.8 106.7 320.2



#70
Styrene
Concen: 49.121 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion:104 Resp: 488986
Ion Ratio Lower Upper
104 100
78 46.9 38.6 58.0
103 55.2 44.4 66.6





#71

Bromoform

Concen: 51.097 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampled :

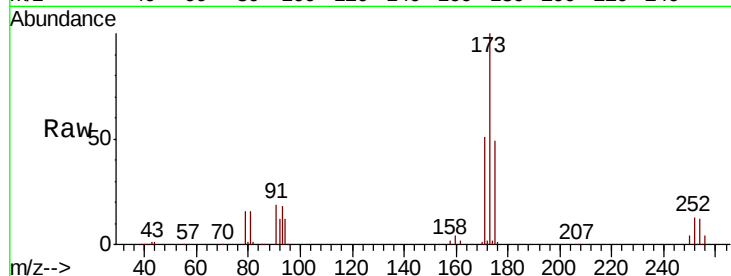
Tot Ion:173 Resp: 158506

Ion Ratio Lower Upper

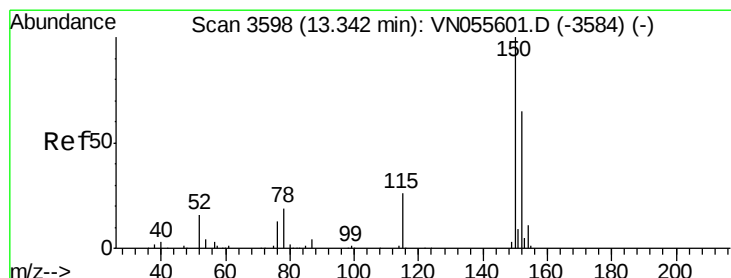
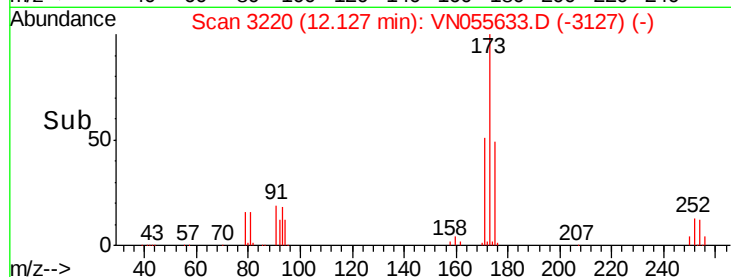
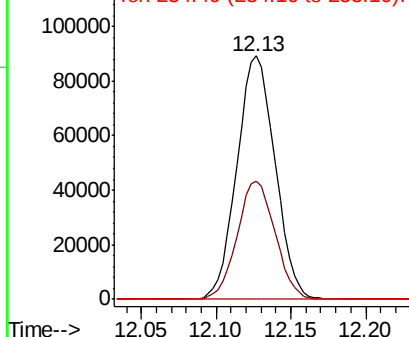
173 100

175 48.1 24.3 72.9

254 0.1 0.1 0.1



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: VN055633.D

Acq: 18 May 2019 00:14

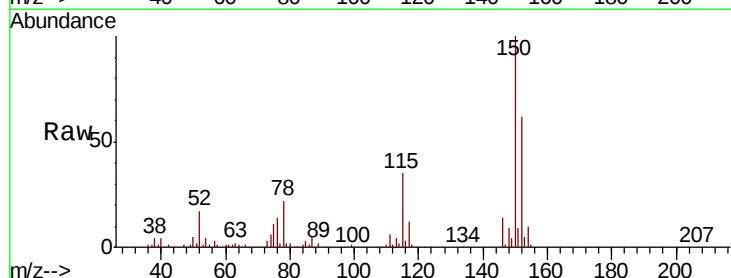
Tgt Ion:152 Resp: 206061

Ion Ratio Lower Upper

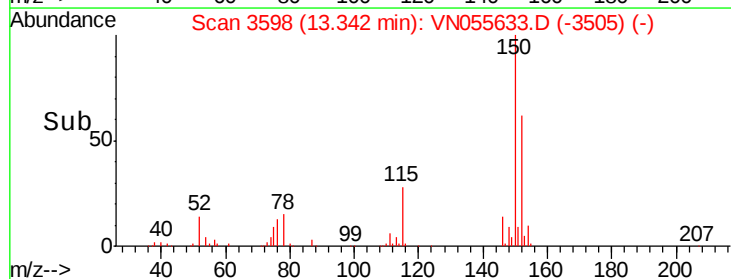
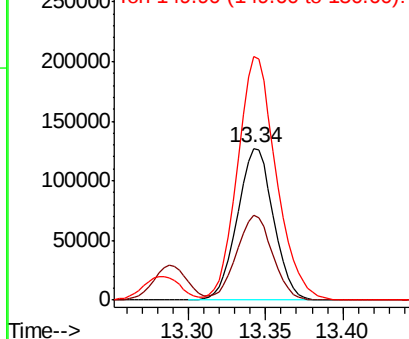
152 100

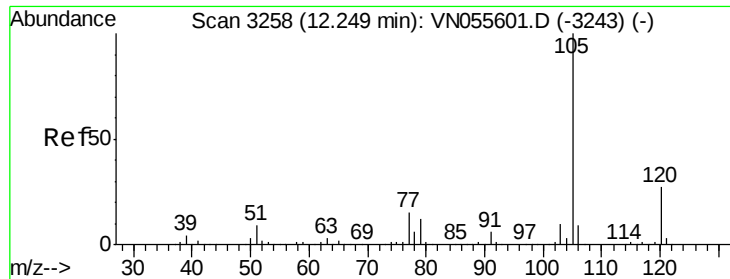
115 55.5 28.1 84.2

150 172.4 0.0 348.0



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: 51.766 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

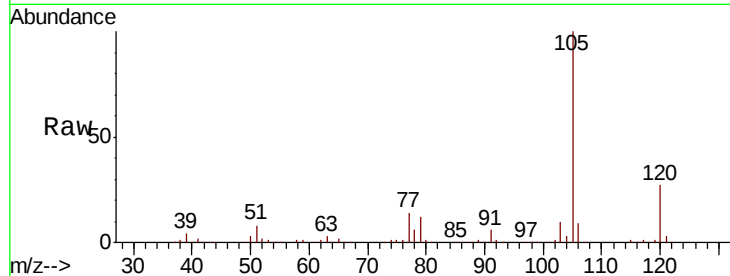
ClientSampled :

Tot Ion:105 Resp: 747312

Ion Ratio Lower Upper

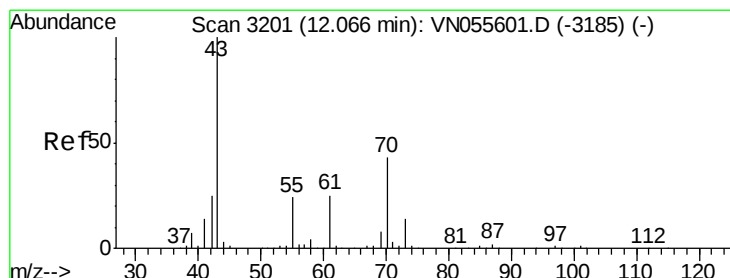
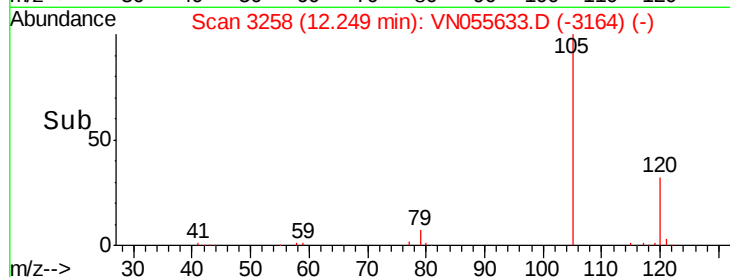
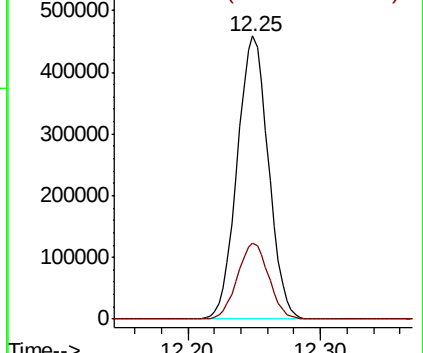
105 100

120 27.0 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.433 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Tgt Ion: 43 Resp: 286026

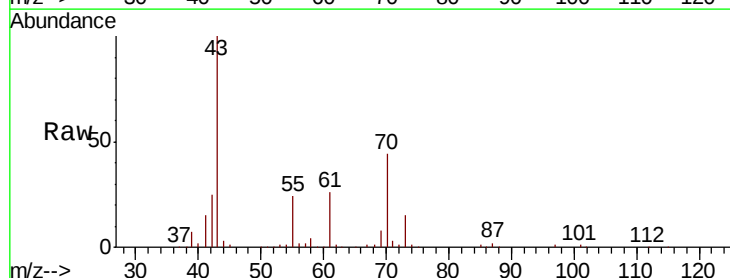
Ion Ratio Lower Upper

43 100

70 44.5 35.0 52.6

55 23.7 18.9 28.3

61 26.0 20.1 30.1

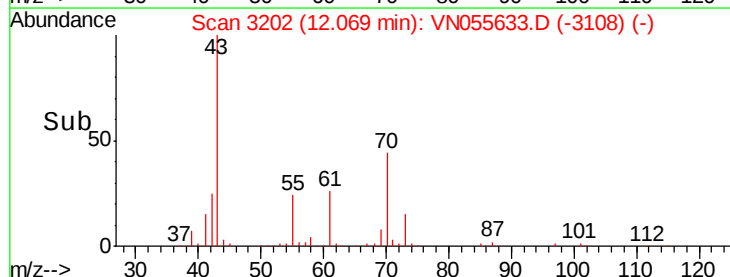
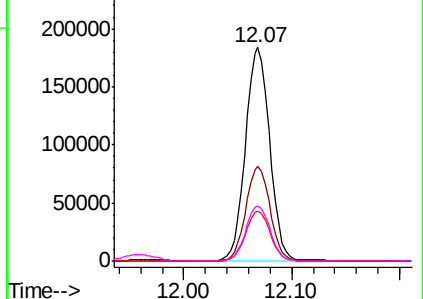


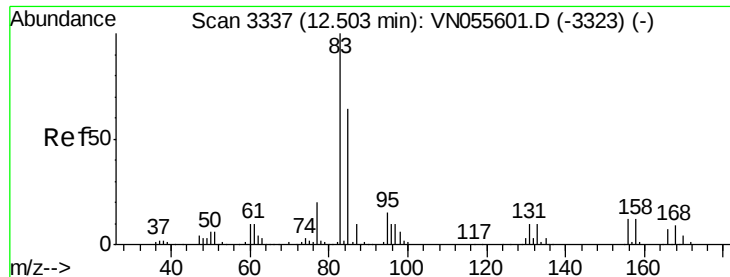
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.997 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampled :

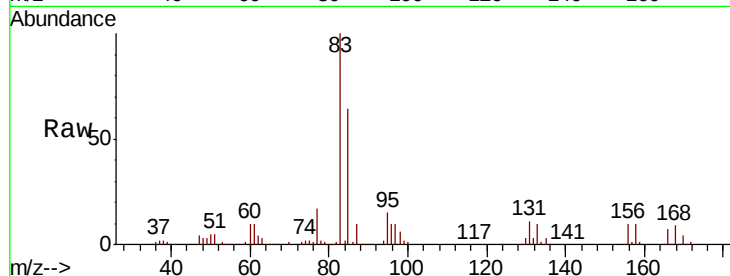
Tot Ion: 83 Resp: 235004

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

85 64.6 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VN055601.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055601.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055601.D (-3323) (-)

150000

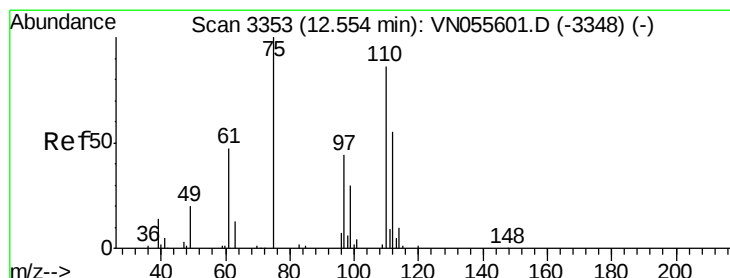
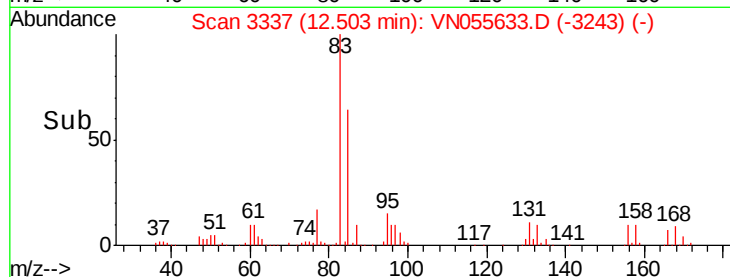
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 68.548 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055633.D

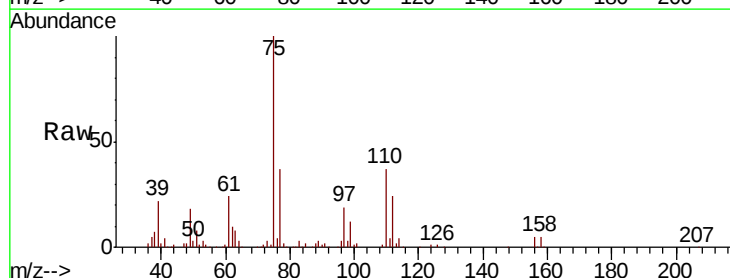
Acq: 18 May 2019 00:14

Tgt Ion: 75 Resp: 288226

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055601.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055601.D (-3348) (-)

200000

150000

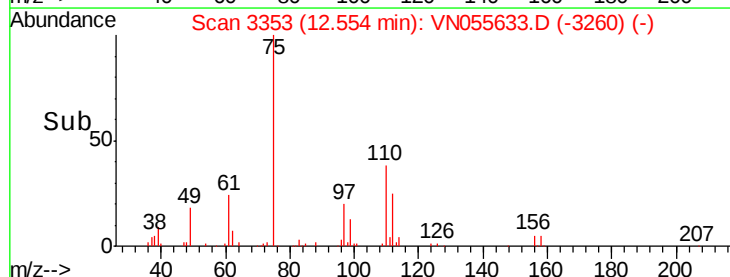
100000

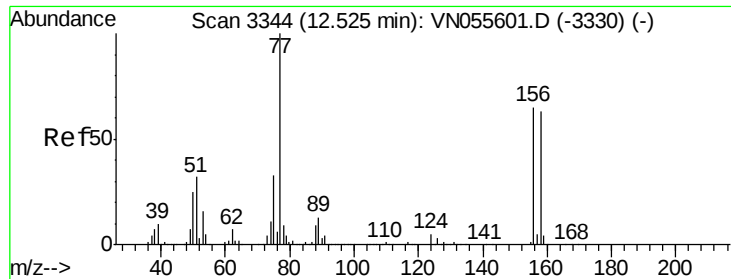
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 47.520 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampled :

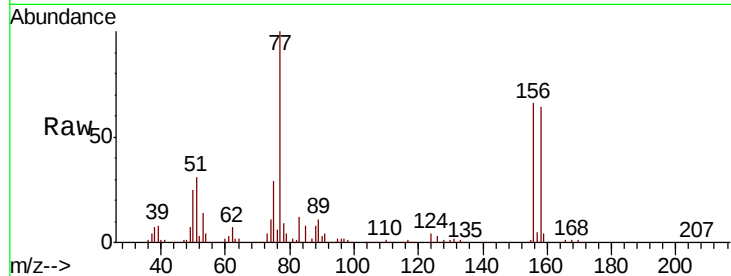
Tot Ion:156 Resp: 201099

Ion Ratio Lower Upper

156 100

77 182.5 94.5 283.5

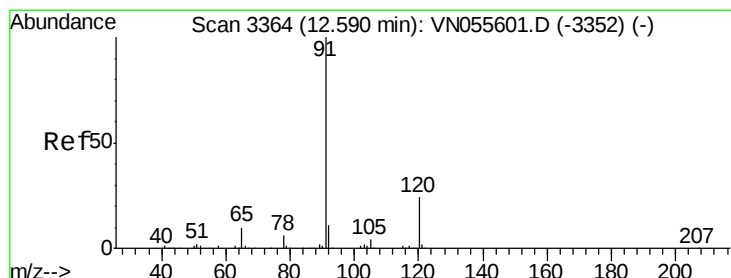
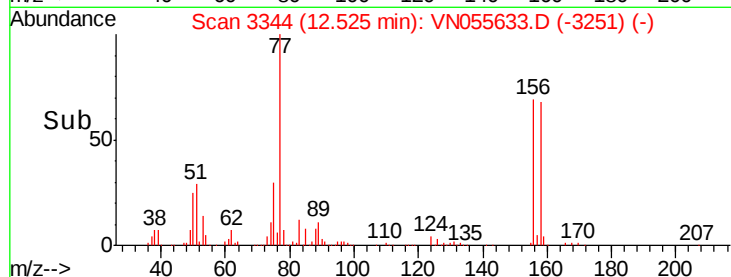
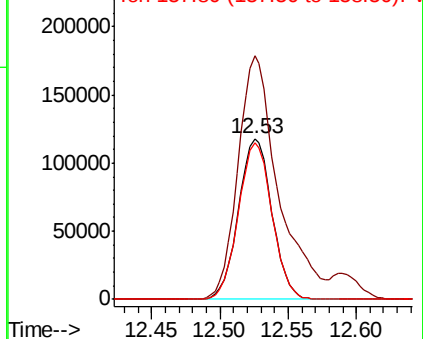
158 97.6 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.656 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055633.D

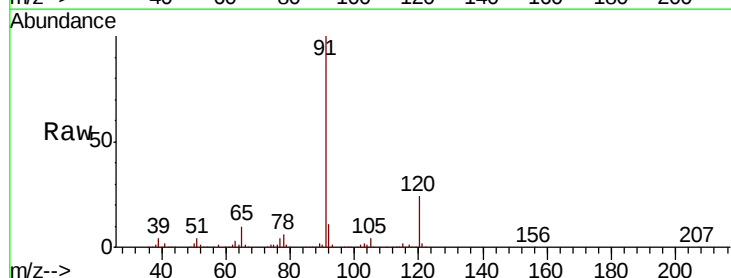
Acq: 18 May 2019 00:14

Tgt Ion: 91 Resp: 817154

Ion Ratio Lower Upper

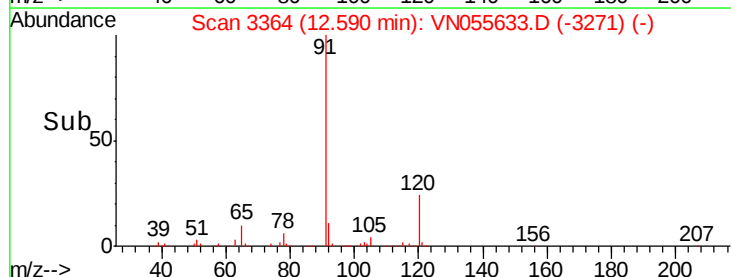
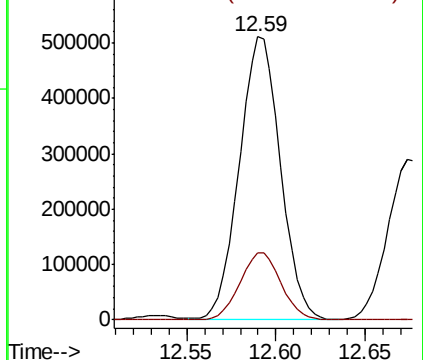
91 100

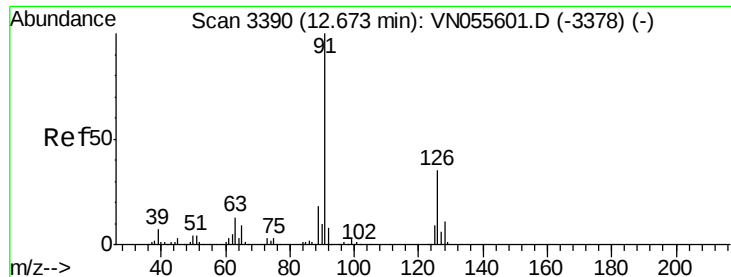
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.769 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

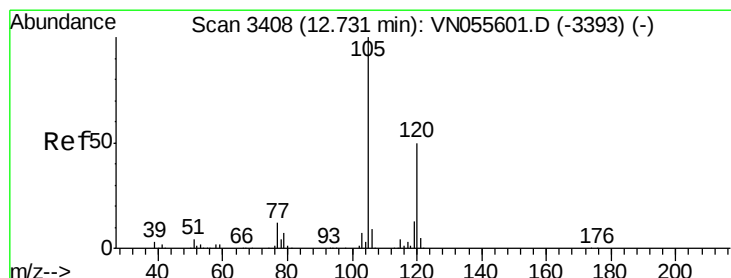
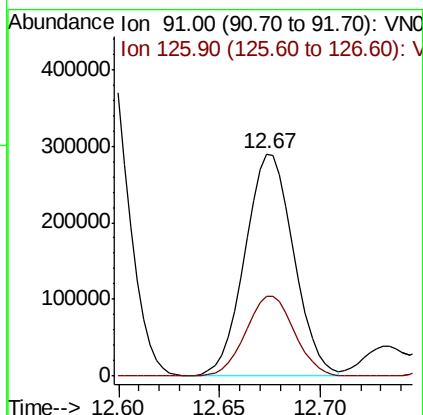
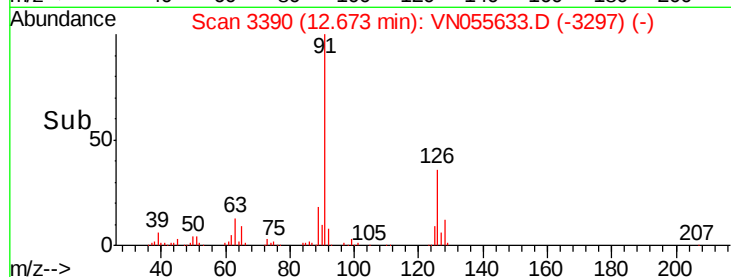
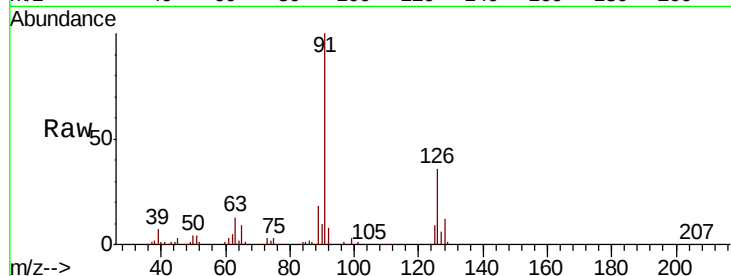
ClientSampleId :

Tot Ion: 91 Resp: 487470

Ion Ratio Lower Upper

91 100

126 36.2 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 49.973 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055633.D

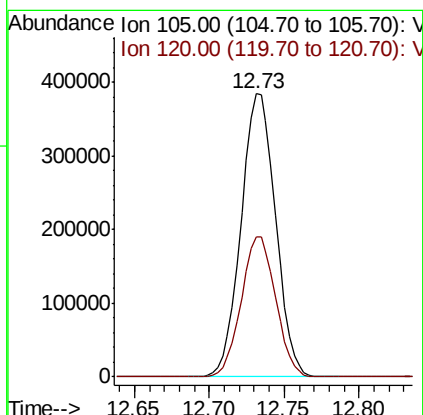
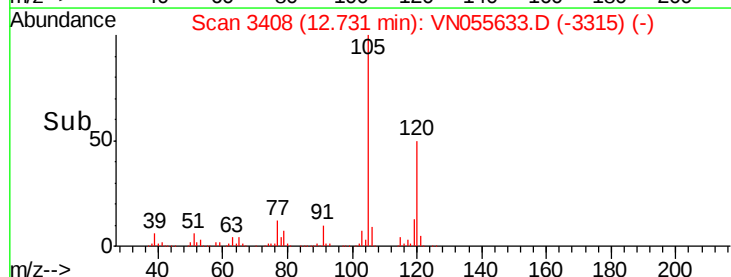
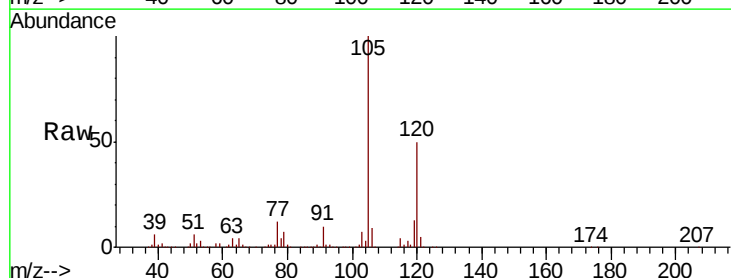
Acq: 18 May 2019 00:14

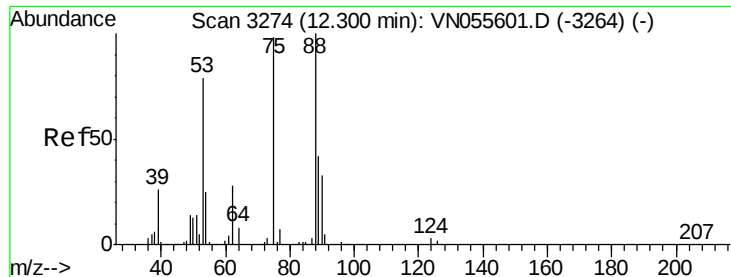
Tgt Ion: 105 Resp: 617334

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.860 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampleId :

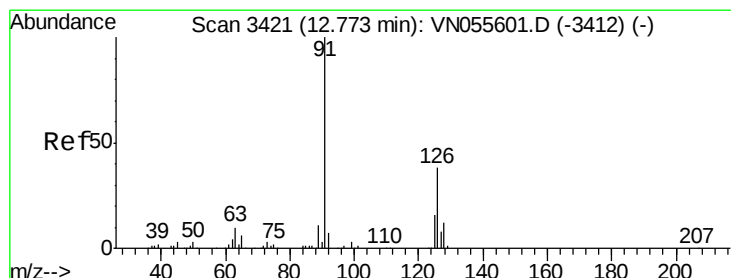
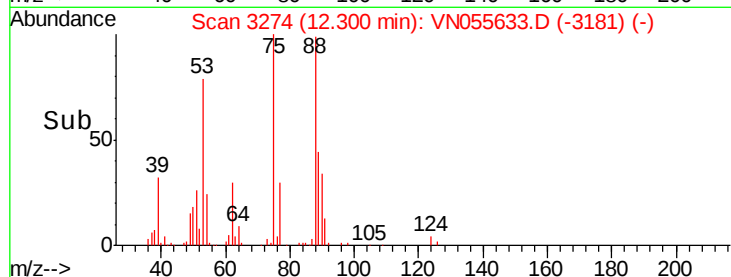
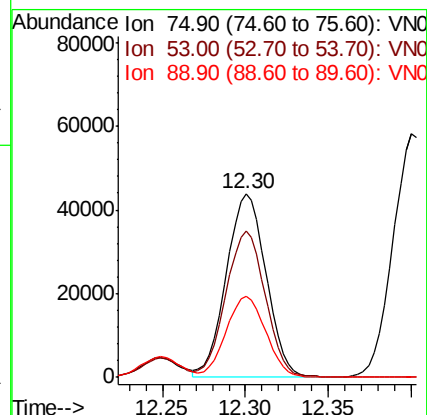
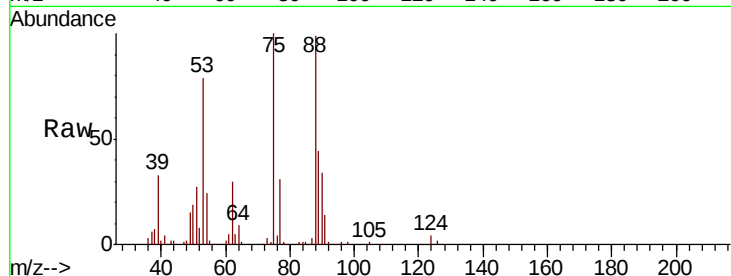
Tot Ion: 75 Resp: 73378

Ion Ratio Lower Upper

75 100

53 78.5 65.1 97.7

89 43.9 36.4 54.6



#82

4-Chlorotoluene

Concen: 45.613 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055633.D

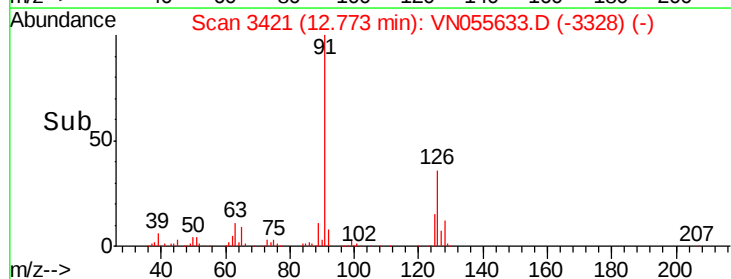
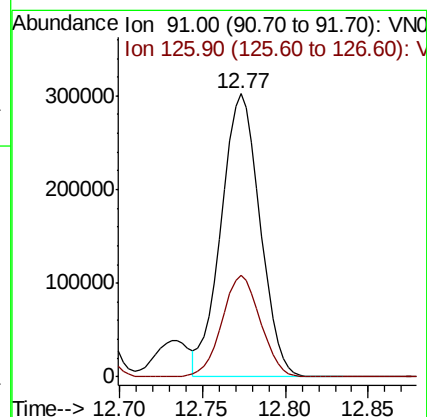
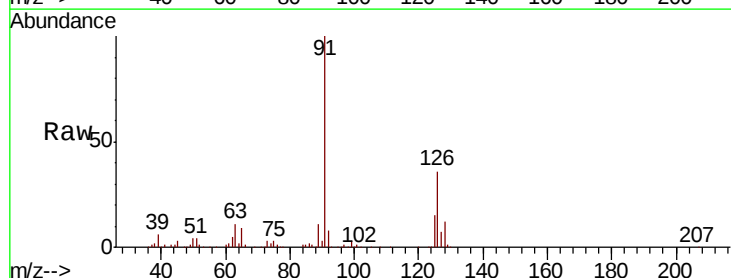
Acq: 18 May 2019 00:14

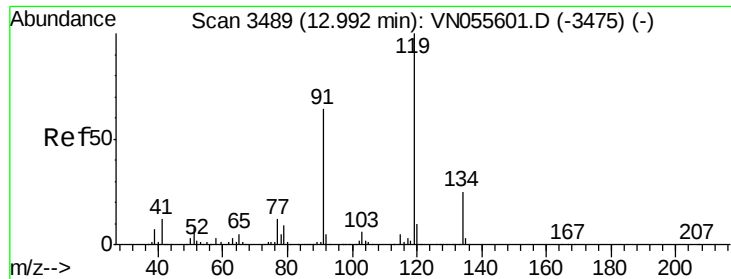
Tgt Ion: 91 Resp: 491787

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6

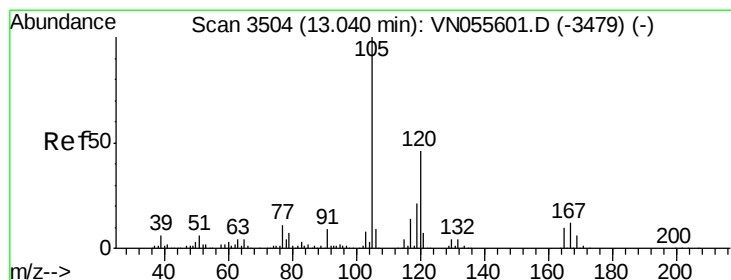
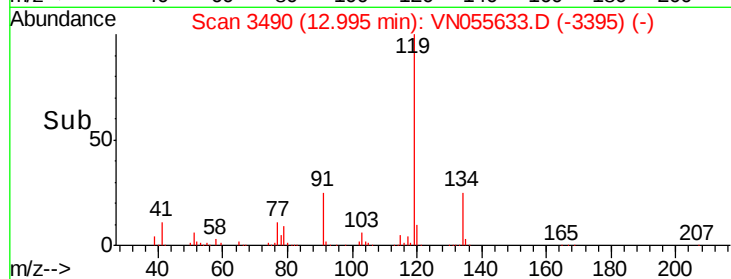
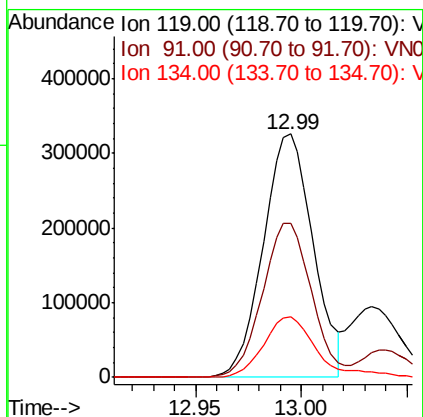
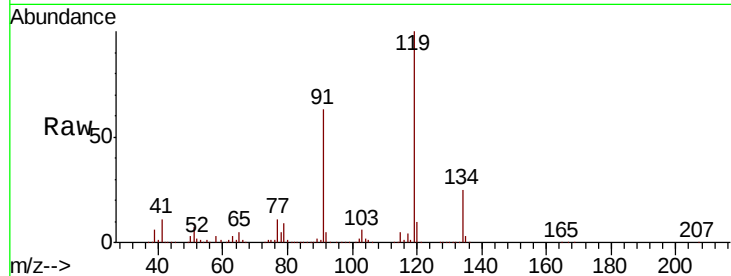




#83
tert-Butylbenzene
Concen: 51.094 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

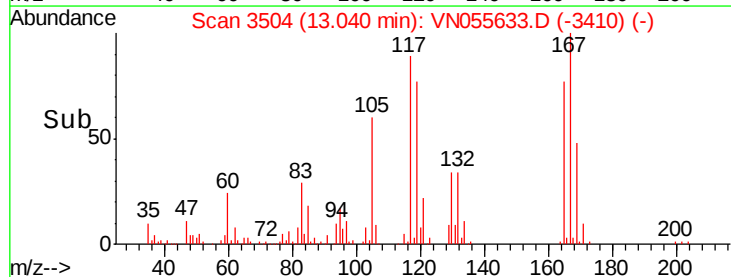
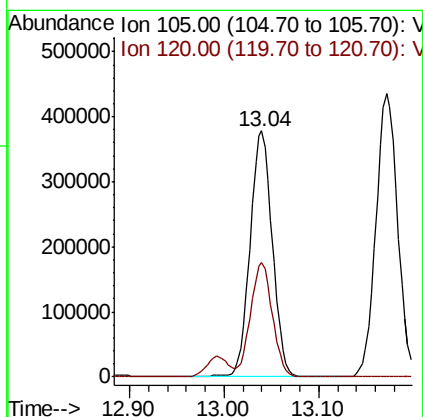
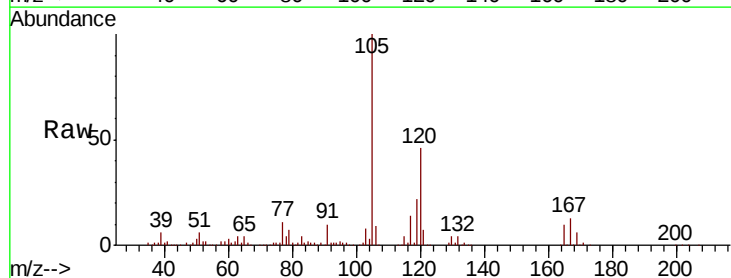
Instrument :
MSVOA_N
ClientSampled :

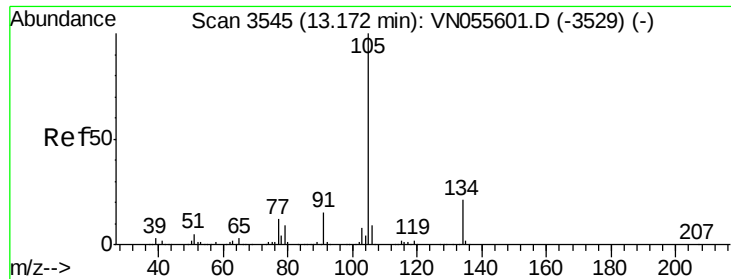
Tot Ion:119 Resp: 535195
Ion Ratio Lower Upper
119 100
91 62.3 31.3 93.8
134 26.7 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 50.038 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion:105 Resp: 617161
Ion Ratio Lower Upper
105 100
120 45.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 50.090 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

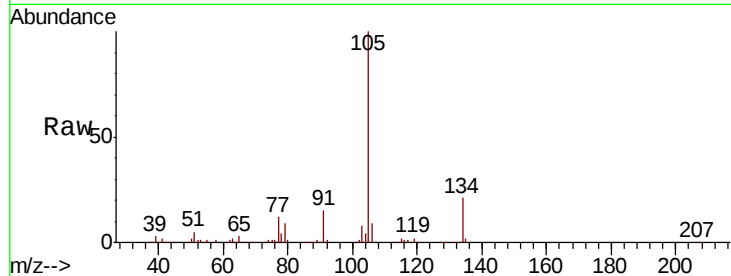
ClientSampleId :

Tot Ion:105 Resp: 690001

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

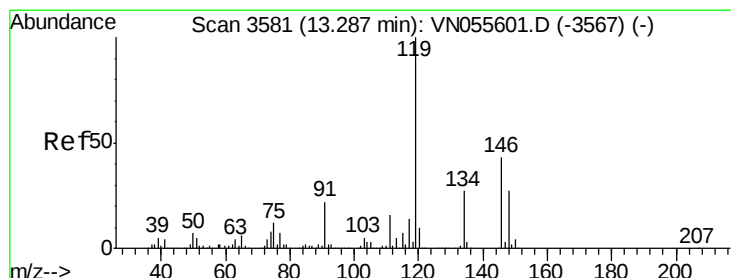
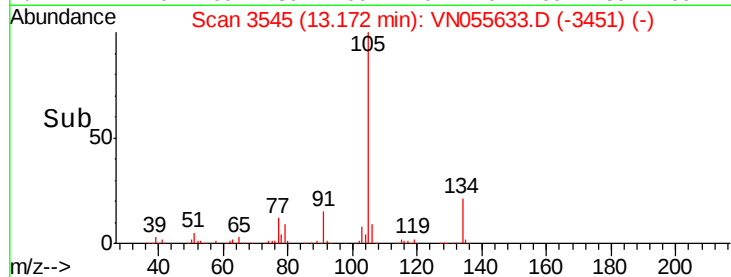
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.480 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

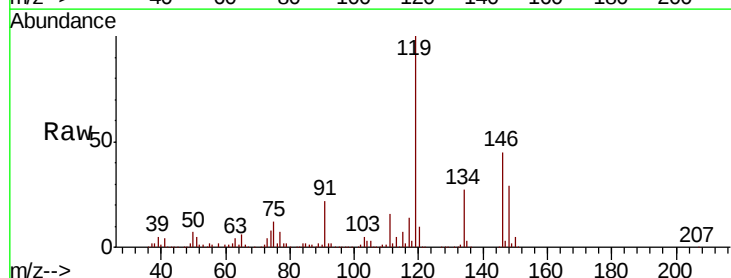
Tgt Ion:119 Resp: 634884

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 21.6 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

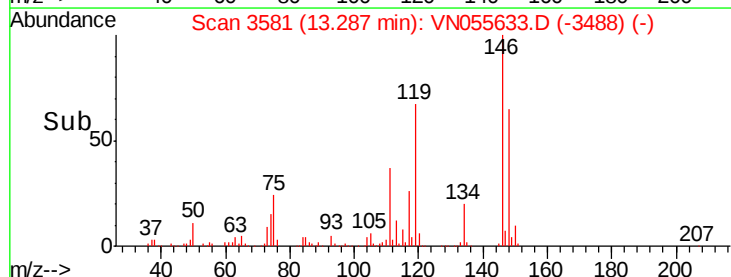
300000

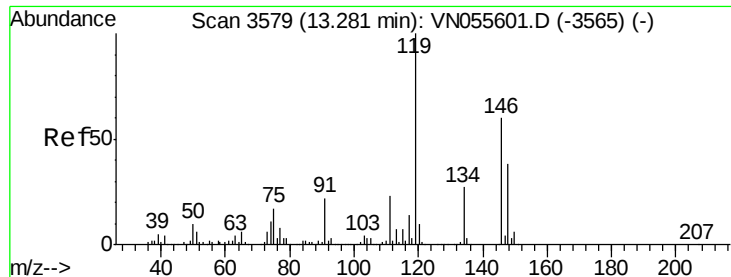
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.501 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampled :

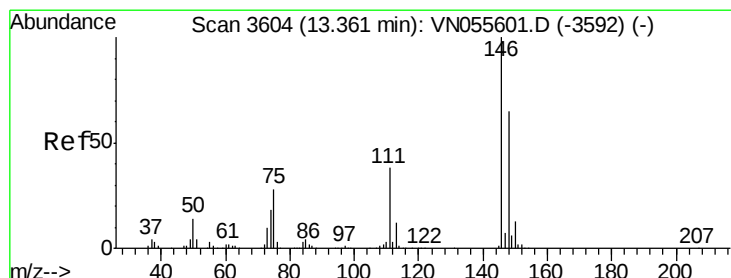
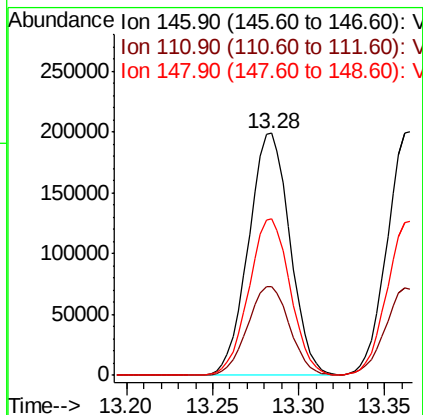
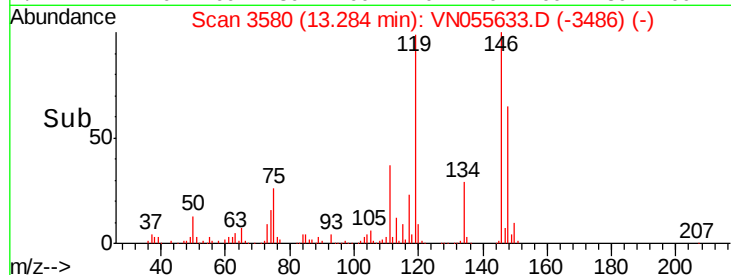
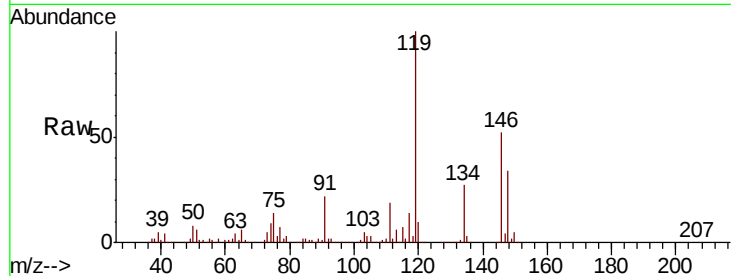
Tot Ion:146 Resp: 332372

Ion Ratio Lower Upper

146 100

111 37.3 18.9 56.9

148 64.6 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 48.901 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

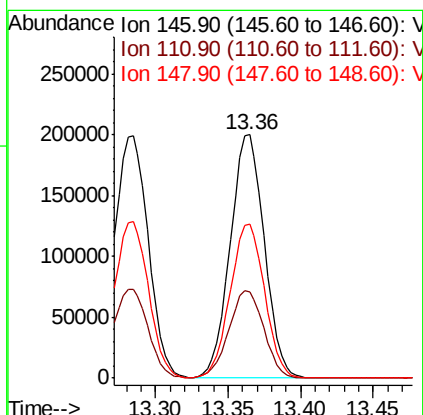
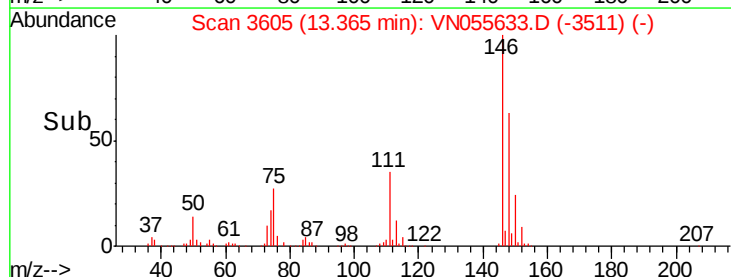
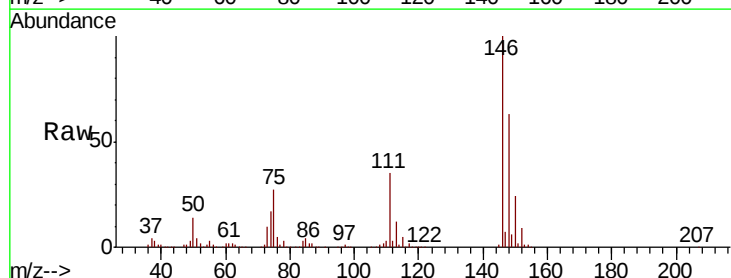
Tgt Ion:146 Resp: 326709

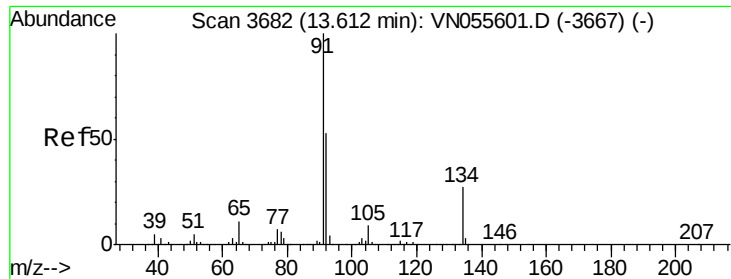
Ion Ratio Lower Upper

146 100

111 36.8 18.8 56.4

148 64.0 32.4 97.0

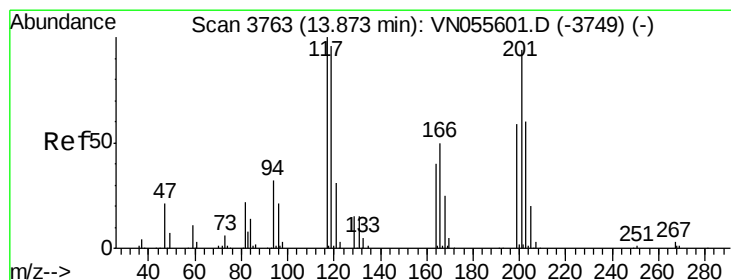
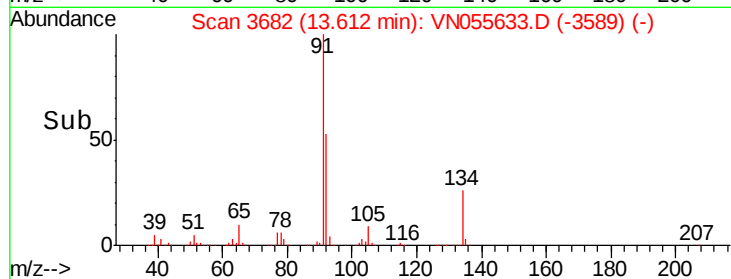
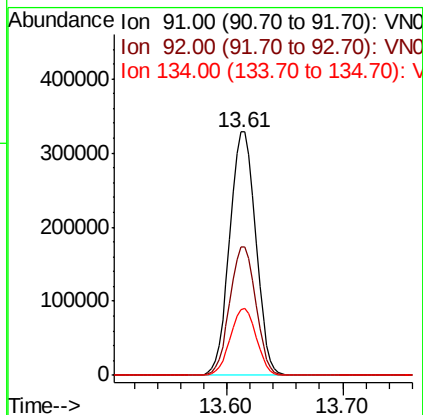
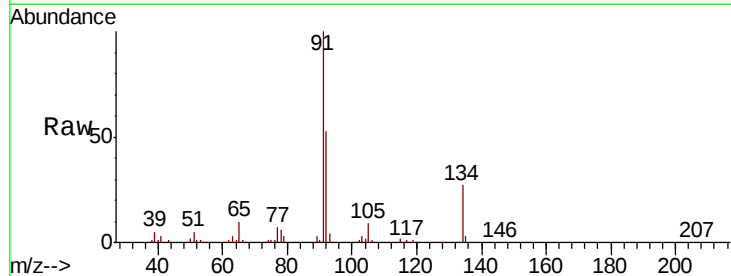




#89
n-Butylbenzene
Concen: 45.257 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

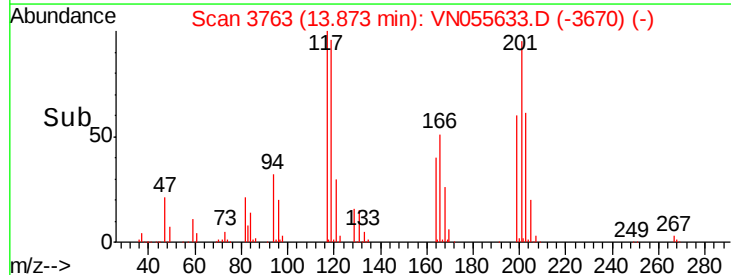
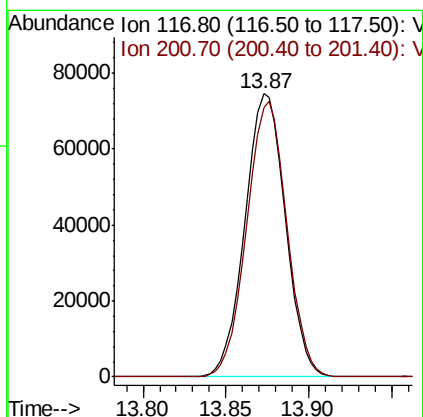
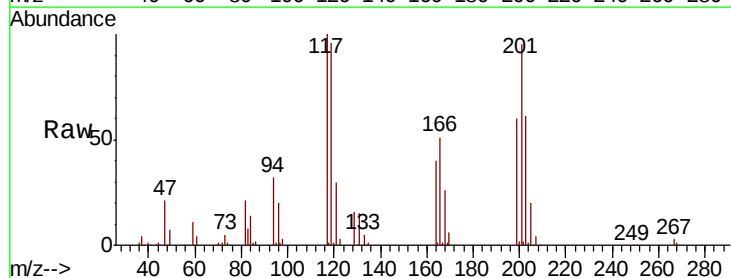
Instrument :
MSVOA_N
ClientSampleId :

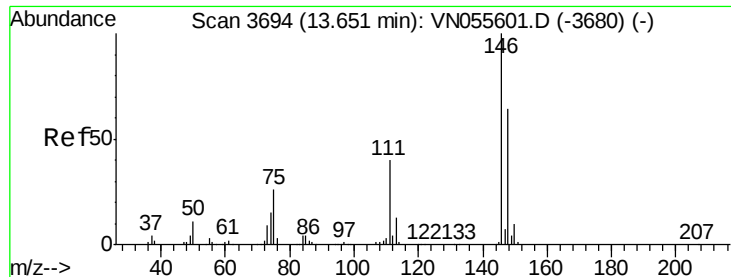
Tot Ion: 91 Resp: 511734
Ion Ratio Lower Upper
91 100
92 52.6 26.4 79.0
134 27.3 13.7 41.1



#90
Hexachloroethane
Concen: 51.935 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion: 117 Resp: 127066
Ion Ratio Lower Upper
117 100
201 96.2 47.1 141.3





#91

1,2-Dichlorobenzene

Concen: 46.578 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA_N

ClientSampleId :

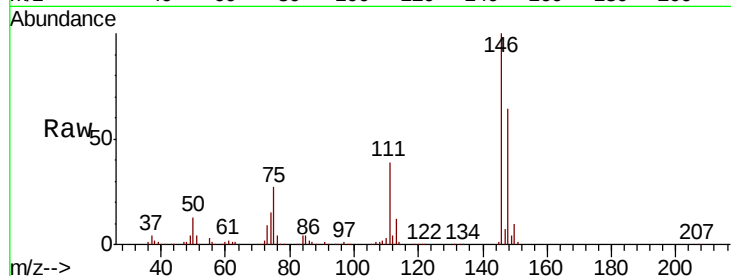
Tot Ion:146 Resp: 324887

Ion Ratio Lower Upper

146 100

111 39.2 19.7 59.0

148 64.3 32.1 96.3

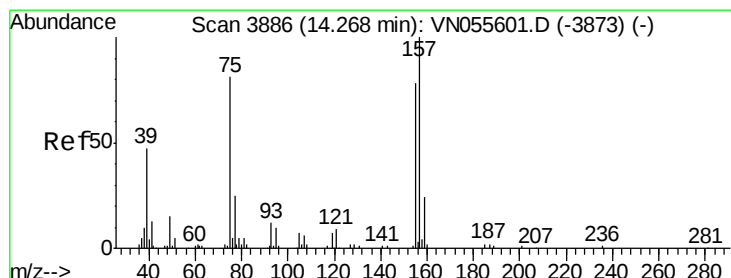
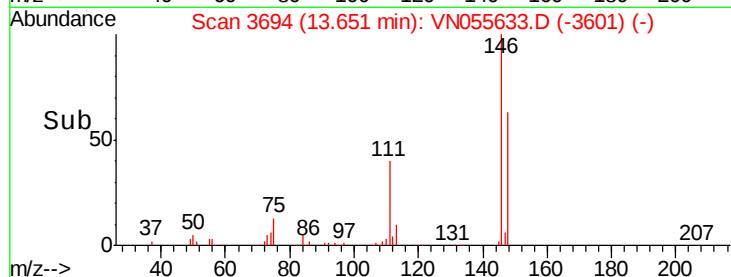
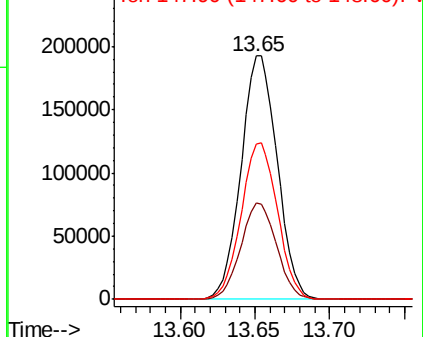


Abundance

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: 48.698 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

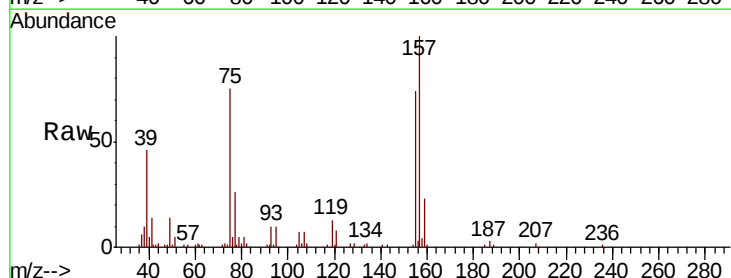
Tgt Ion: 75 Resp: 45540

Ion Ratio Lower Upper

75 100

155 99.2 48.4 145.0

157 129.9 62.3 186.8

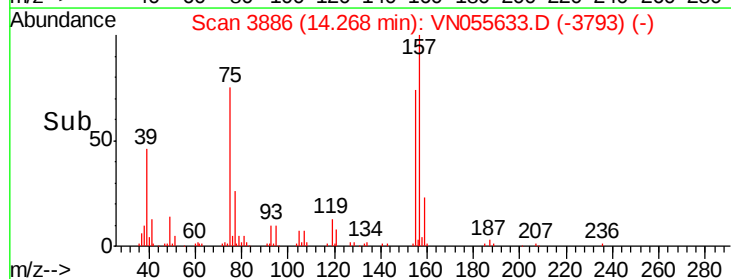
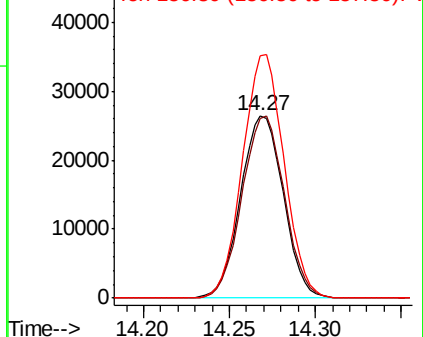


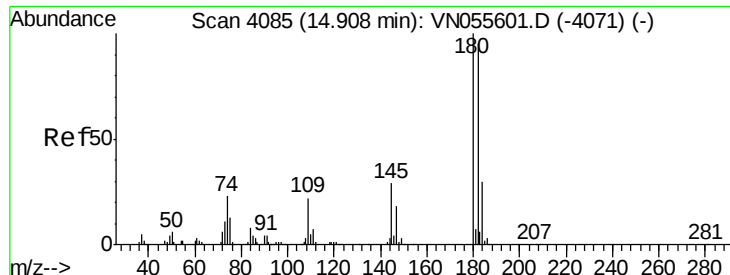
Abundance

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

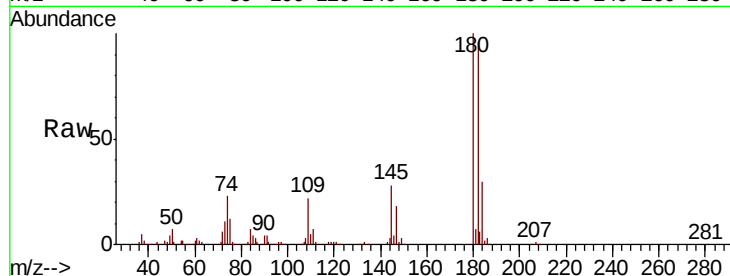




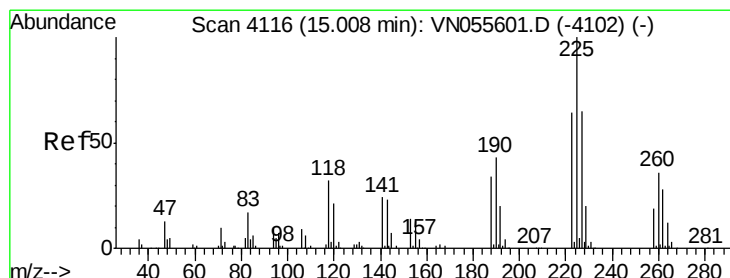
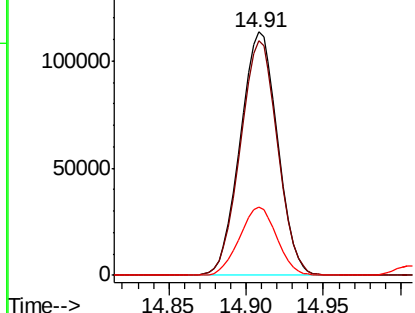
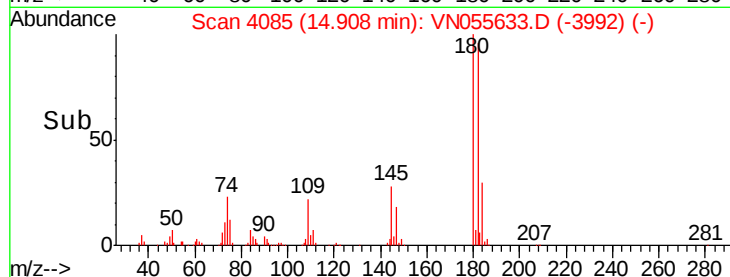
#93
 1,2,4-Trichlorobenzene
 Concen: 53.700 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055633.D
 Acq: 18 May 2019 00:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	180	Resp	190658
Ion Ratio	100	Lower	Upper
182	96.3	47.9	143.6
145	28.0	14.3	42.9

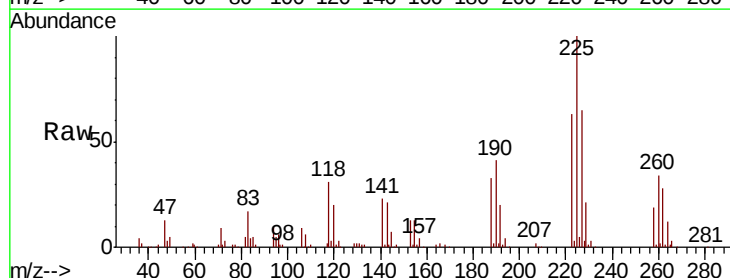


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

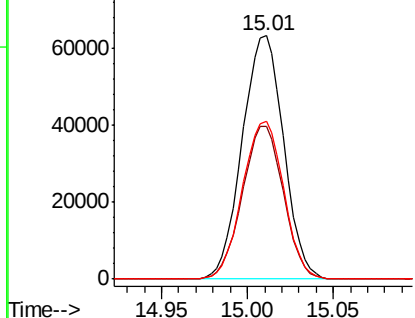
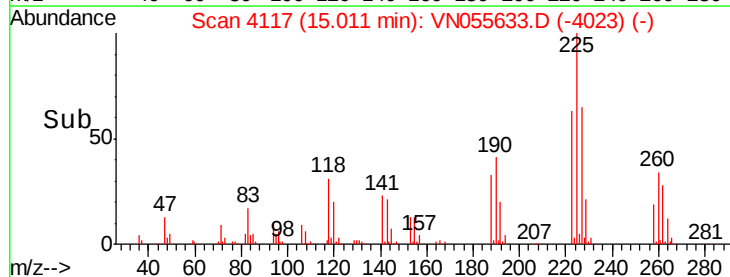


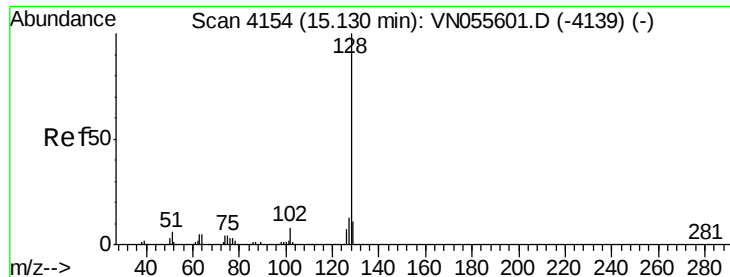
#94
 Hexachlorobutadiene
 Concen: 49.272 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055633.D
 Acq: 18 May 2019 00:14

Tgt Ion	225	Resp	105676
Ion Ratio	100	Lower	Upper
223	62.3	31.6	94.7
227	64.4	32.4	97.0



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

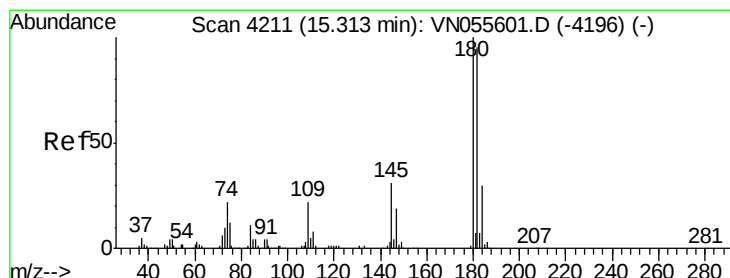
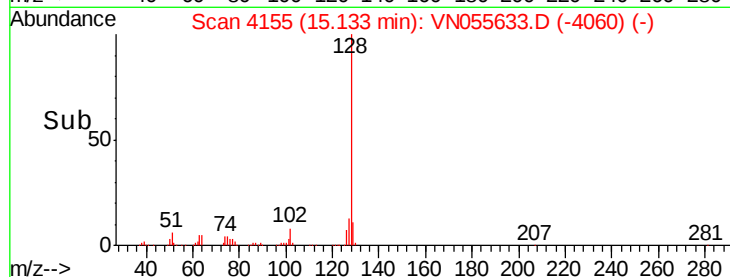
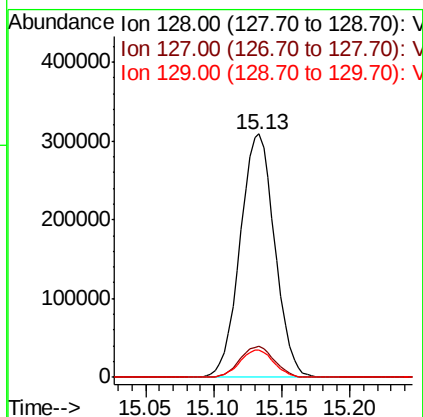
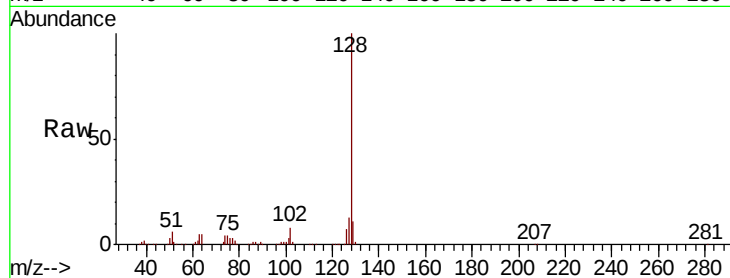




#95
Naphthalene
Concen: 50.658 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 543071
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.710 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055633.D
Acq: 18 May 2019 00:14

Tgt Ion:180 Resp: 191963
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.6
145 29.7 15.4 46.1

