

Data File : VV010691.D
Acq On : 07 May 2019 12:40
Operator : SY/MD
Sample : VSTD05064
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Quant Time: May 08 02:31:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 02:27:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	103277	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	107218	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52427	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80859	50.40	ug/L	0.00
7) Chloroethane-d5	1.56	69	66119	50.08	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	172692	49.62	ug/L	0.00
20) 2-Butanone-d5	3.93	46	50585	102.27	ug/L	0.00
24) Chloroform-d	4.40	84	149309	53.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	93089	52.94	ug/L	0.00
29) Benzene-d6	5.10	84	293579	52.02	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	93067	51.75	ug/L	0.00
37) Toluene-d8	7.36	98	286759	53.06	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	45911	56.00	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	40910	108.72	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	89613	53.03	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	103041	50.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	70930	49.588	ug/L	98
3) Chloromethane	1.25	50	86577	49.757	ug/L	96
5) Vinyl chloride	1.32	62	103526	51.241	ug/L	100
6) Bromomethane	1.51	94	42629	43.507	ug/L	99
8) Chloroethane	1.58	64	62959	50.037	ug/L	98
9) Trichlorofluoromethane	1.76	101	151878	49.937	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88632	51.045	ug/L	98
12) 1,1-Dichloroethene	2.13	96	81477	50.112	ug/L	97
13) Acetone	2.19	43	76645	102.831	ug/L	100
14) Carbon disulfide	2.31	76	207876	52.027	ug/L	99
15) Methyl Acetate	2.45	43	43577	48.940	ug/L	96
16) Methylene chloride	2.53	84	79566	49.826	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	223117	54.803	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	77057	52.431	ug/L	100
19) 1,1-Dichloroethane	3.22	63	151498	53.395	ug/L	98
21) 2-Butanone	4.01	43	80458	112.307	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	89180	53.118	ug/L	97
23) Bromochloromethane	4.29	128	41144	54.518	ug/L	96
25) Chloroform	4.42	83	163141	52.193	ug/L	99
27) 1,2-Dichloroethane	5.18	62	120912	52.923	ug/L	99
30) Cyclohexane	4.72	56	141165	52.496	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	139538	52.196	ug/L	99
32) Carbon tetrachloride	4.87	117	121915	52.354	ug/L	97
34) Benzene	5.14	78	338438	53.771	ug/L	100
35) Trichloroethene	5.96	95	92617	52.533	ug/L	99
36) Methylcyclohexane	6.17	83	150925	53.412	ug/L	98
40) 1,2-Dichloropropane	6.22	63	90275	53.916	ug/L	98
41) Bromodichloromethane	6.55	83	127372	55.363	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	153268	57.874	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	148726	105.524	ug/L	98

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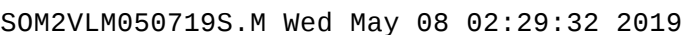
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

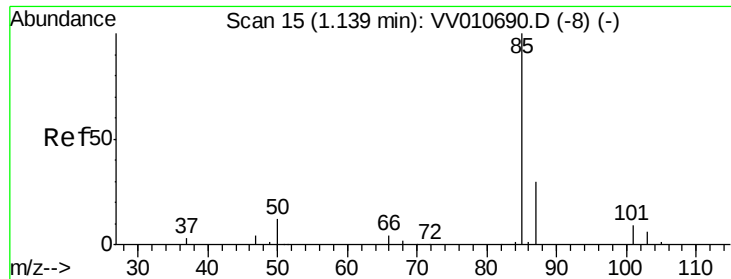
Quant Time: May 08 02:31:51 2019
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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	384883	53.841	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	127491	57.170	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	73292	53.283	ug/L	97
47) Tetrachloroethene	8.02	164	65650	51.417	ug/L	96
49) 2-Hexanone	8.18	43	118467	110.556	ug/L	96
50) Dibromochloromethane	8.29	129	88752	56.109	ug/L	99
51) 1,2-Dibromoethane	8.40	107	71268	53.645	ug/L	98
52) Chlorobenzene	8.92	112	253938	54.374	ug/L	99
53) Ethylbenzene	9.05	91	447231	53.957	ug/L	100
54) m,p-Xylene	9.18	106	165007	53.284	ug/L	99
55) o-xylene	9.59	106	168920	54.995	ug/L	94
56) Styrene	9.60	104	295211	56.824	ug/L	98
57) Isopropylbenzene	9.97	105	447283	54.579	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	97139	53.903	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	73015	51.914	ug/L	97
62) Bromoform	9.77	173	49388	55.322	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	192029	52.619	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	193377	51.875	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	185538	52.345	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	17150	52.143	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	140023	53.265	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	116621	57.335	ug/L	99
69) Naphthalene	13.55	128	263771	60.584	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	109806	57.551	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 49.588 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

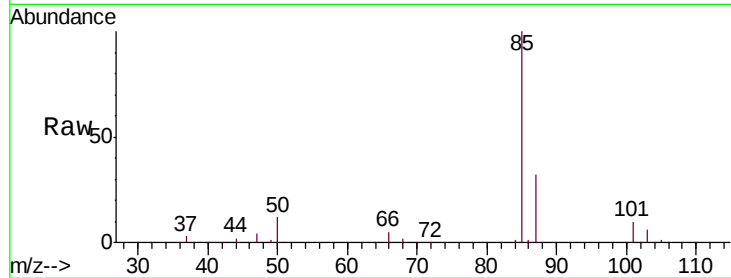
VSTD05064

Tgt Ion: 85 Resp: 70930

Ion Ratio Lower Upper

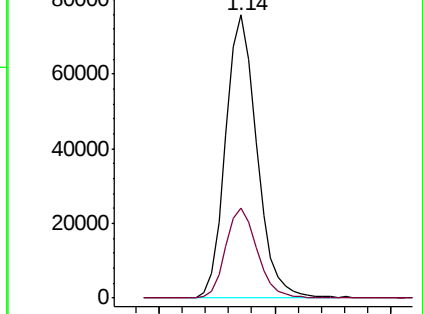
85 100

87 32.2 21.9 40.7

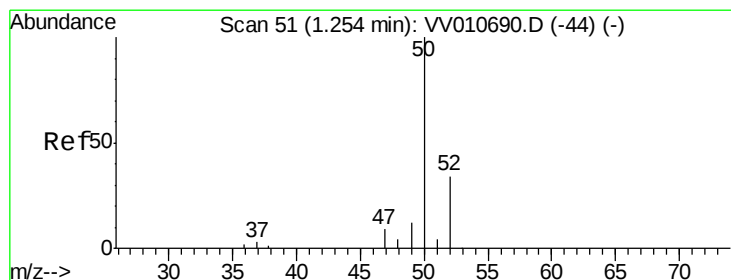
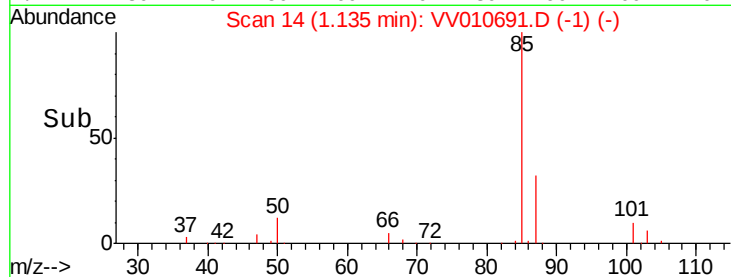


Abundance Ion 85.00 (84.70 to 85.70): VV010690.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010690.D (-8) (-)



Time-->



#3

Chloromethane

Concen: 49.757 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.01 min

Lab File: VV010691.D

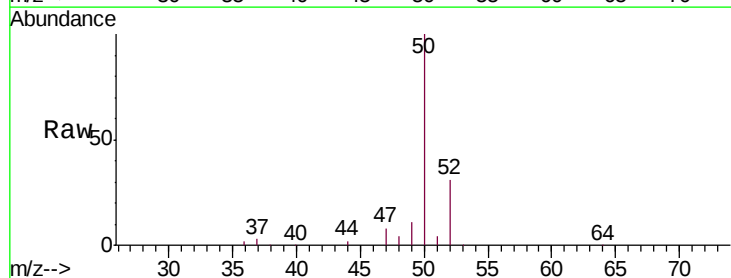
Acq: 07 May 2019 12:40

Tgt Ion: 50 Resp: 86577

Ion Ratio Lower Upper

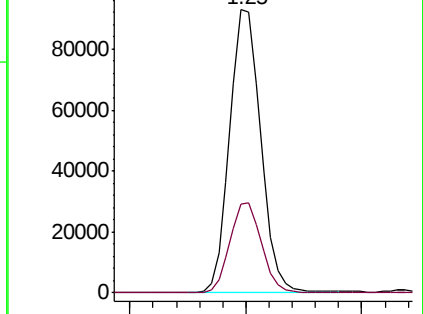
50 100

52 31.3 23.7 43.9

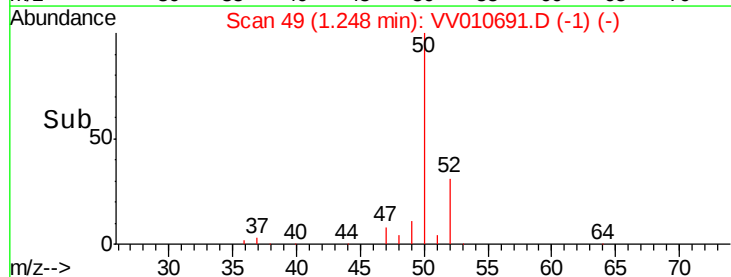


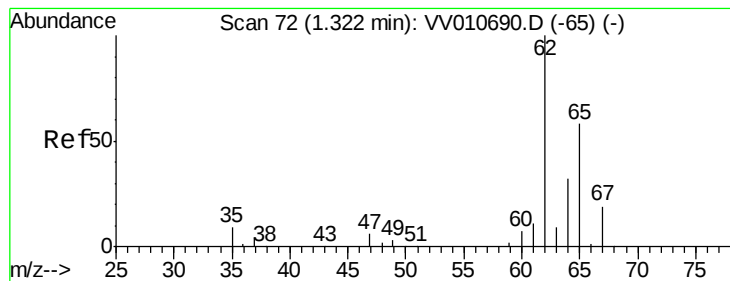
Abundance Ion 50.00 (49.70 to 50.70): VV010690.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV010690.D (-44) (-)



Time-->





#5

Vinyl chloride

Concen: 51.241 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

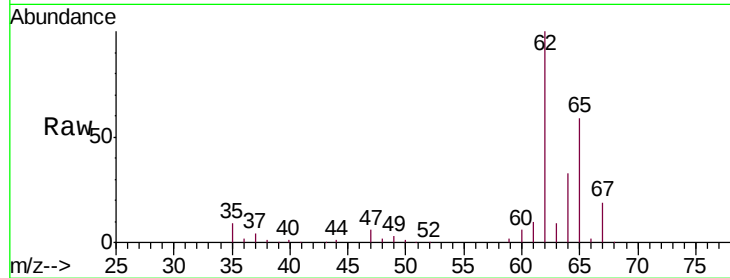
VSTD05064

Tgt Ion: 62 Resp: 103526

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

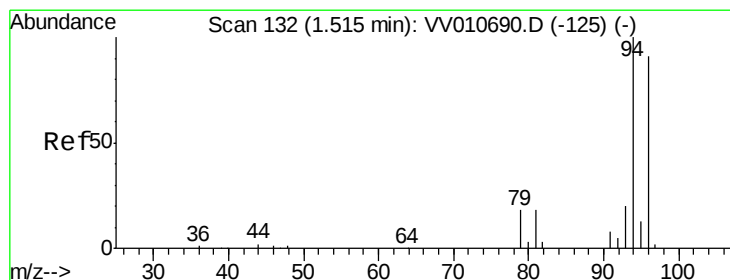
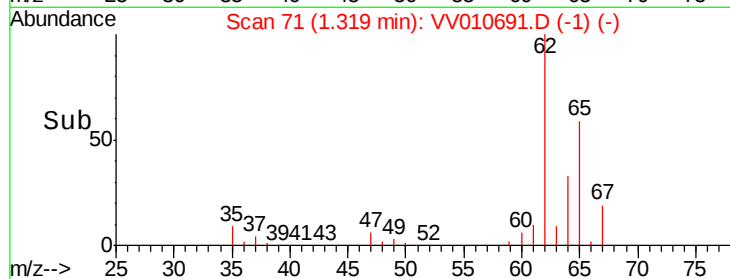
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 43.507 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.01 min

Lab File: VV010691.D

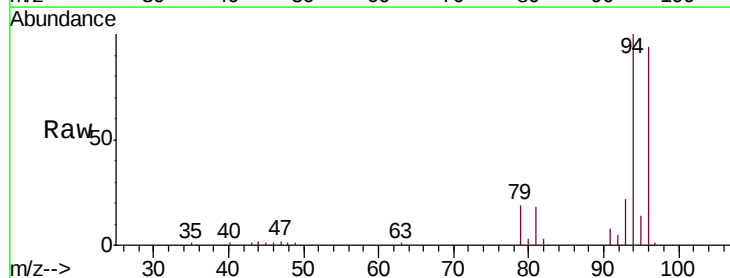
Acq: 07 May 2019 12:40

Tgt Ion: 94 Resp: 42629

Ion Ratio Lower Upper

94 100

96 95.2 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

50000

40000

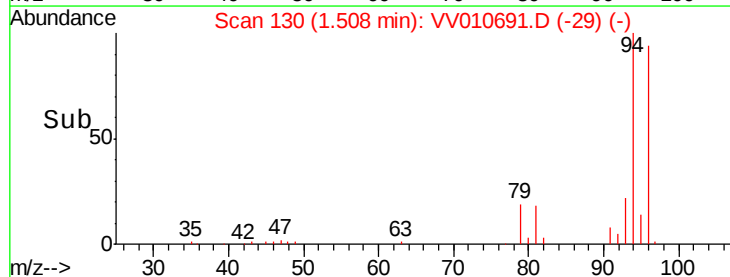
30000

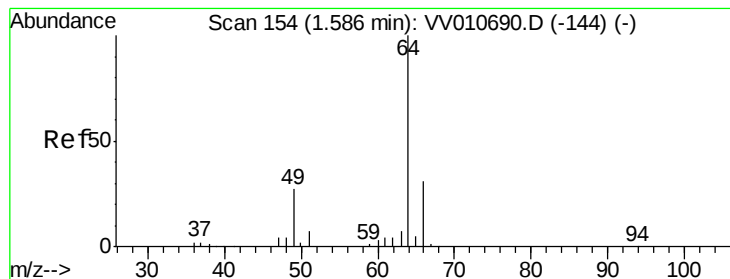
20000

10000

0

Time-->





#8

Chloroethane

Concen: 50.037 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

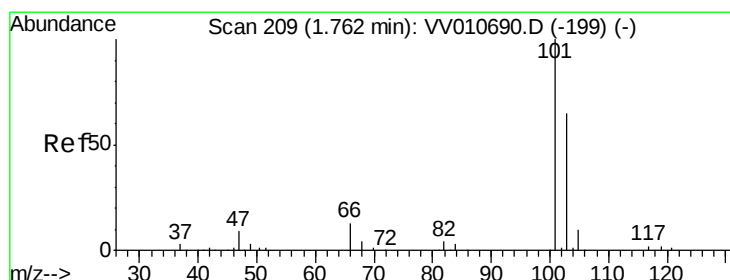
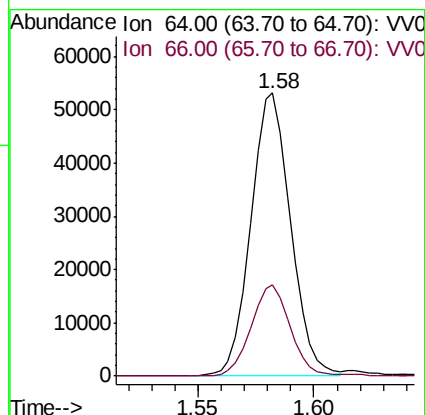
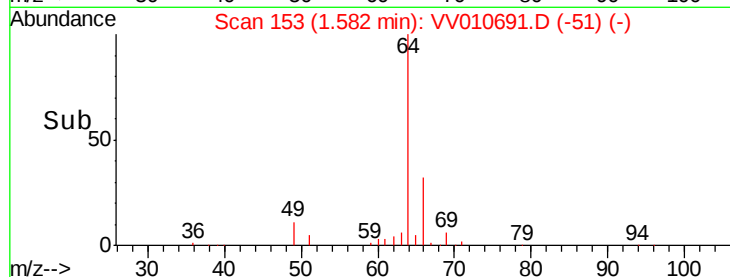
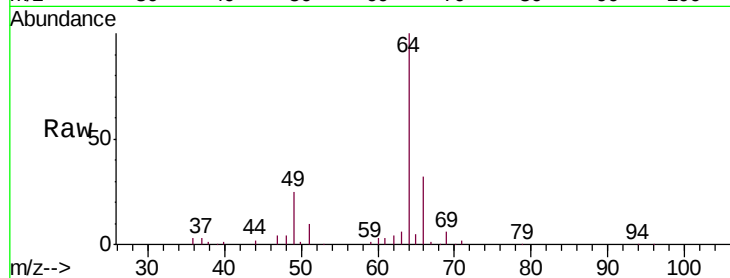
VSTD05064

Tgt Ion: 64 Resp: 62959

Ion Ratio Lower Upper

64 100

66 32.2 21.8 40.4



#9

Trichlorofluoromethane

Concen: 49.937 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.01 min

Lab File: VV010691.D

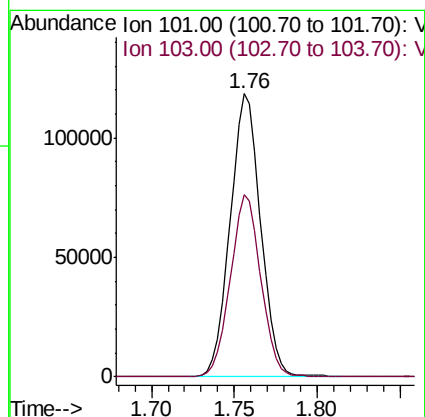
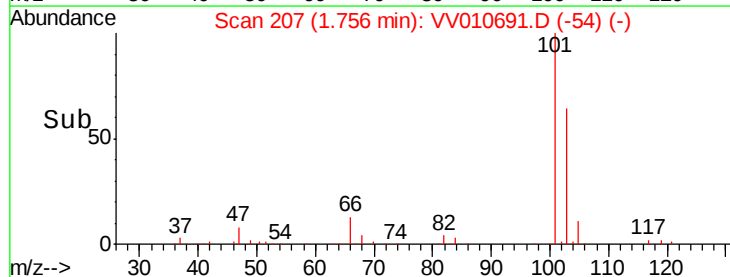
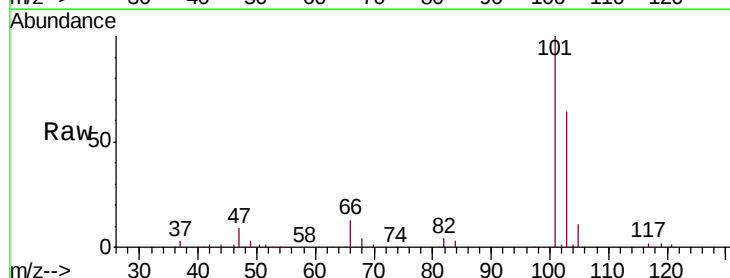
Acq: 07 May 2019 12:40

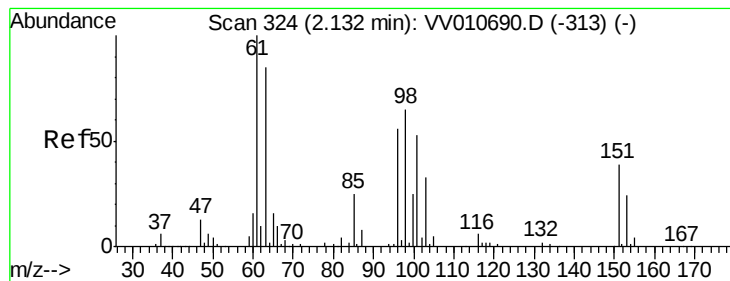
Tgt Ion: 101 Resp: 151878

Ion Ratio Lower Upper

101 100

103 64.0 44.7 82.9





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 51.045 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

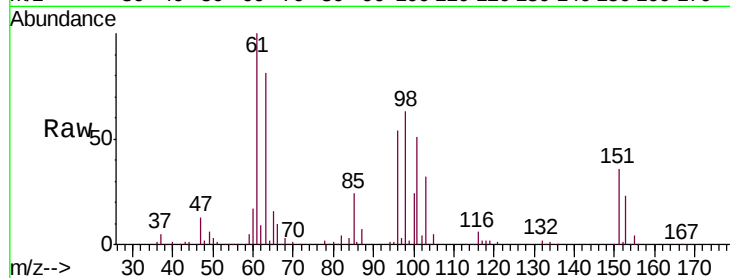
Tgt Ion: 101 Resp: 88632

Ion Ratio Lower Upper

101 100

85 45.3 36.0 54.0

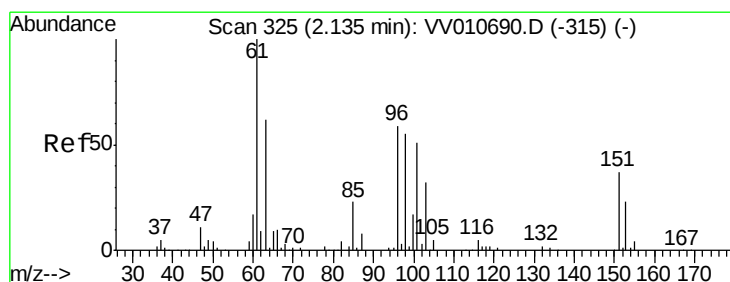
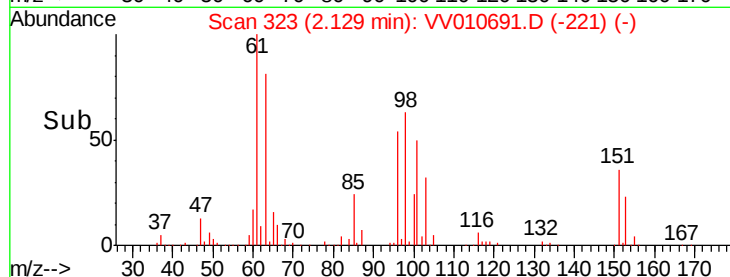
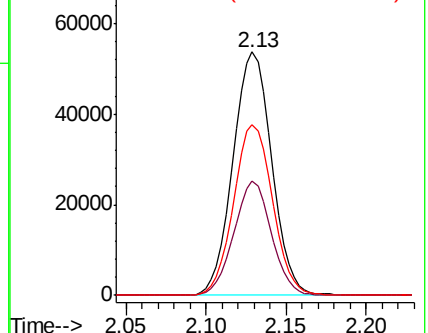
151 70.5 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.112 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

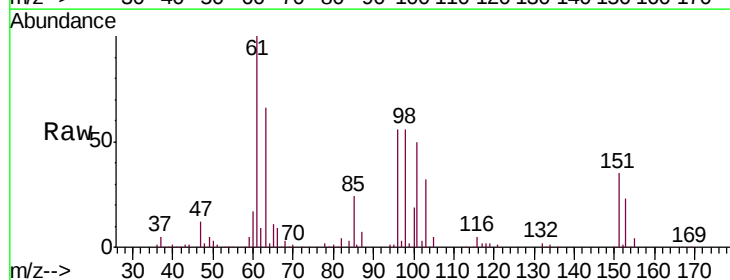
Tgt Ion: 96 Resp: 81477

Ion Ratio Lower Upper

96 100

61 178.4 120.3 223.3

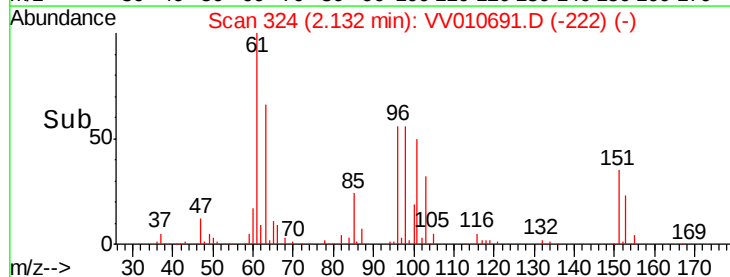
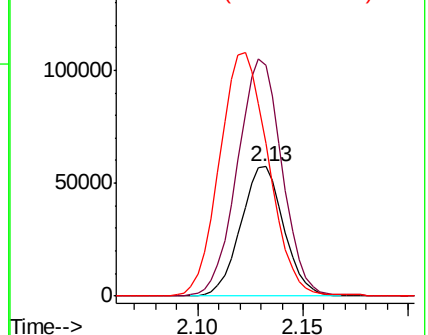
63 117.6 82.9 153.9

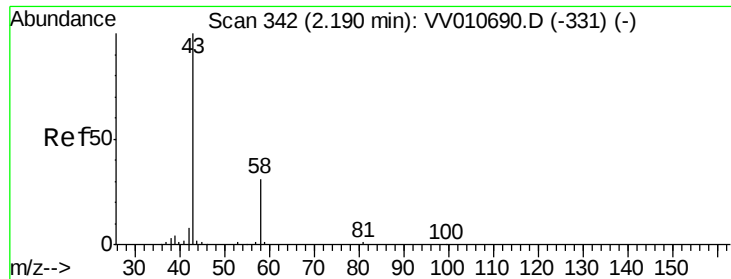


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

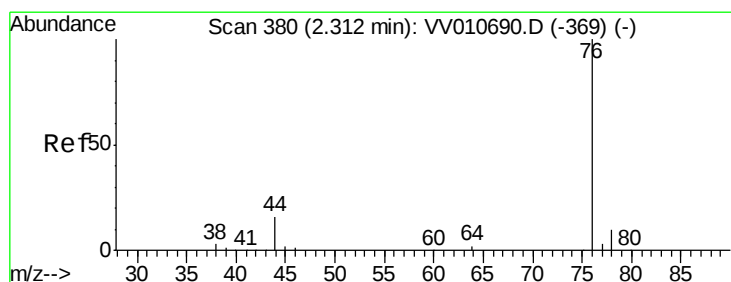
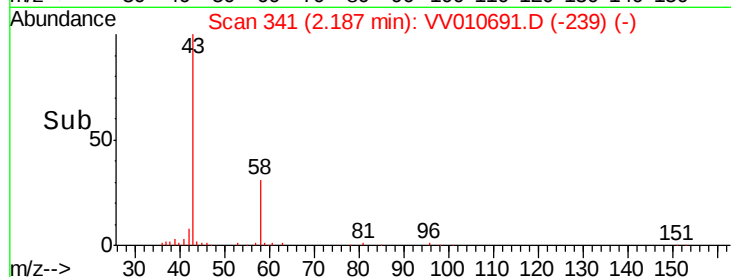
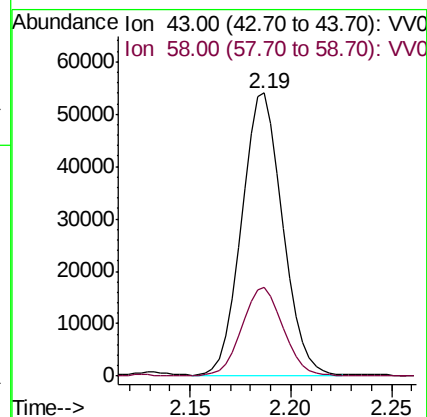
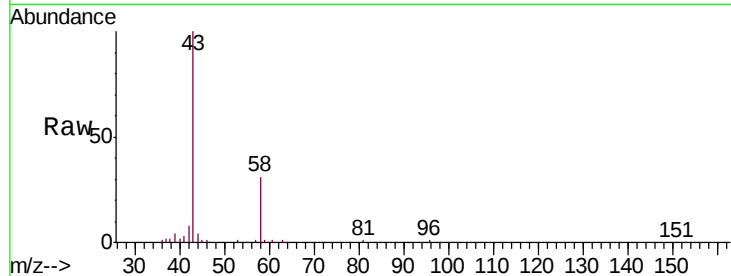




#13
Acetone
Concen: 102.831 ug/L
RT: 2.19 min Scan# 341
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

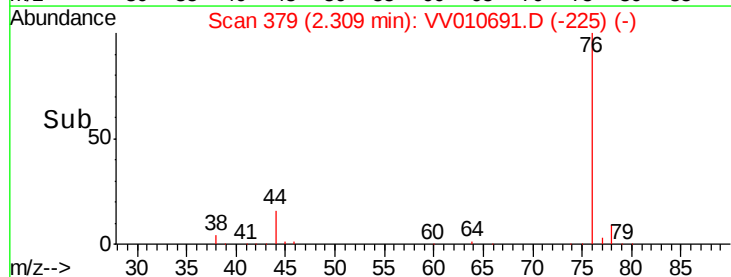
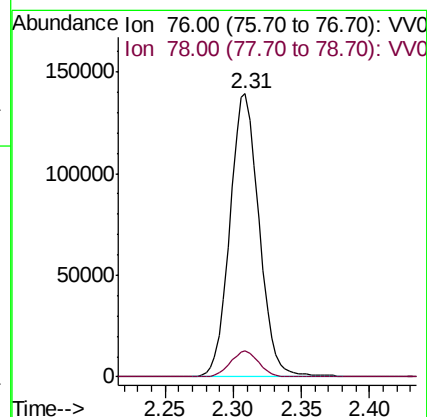
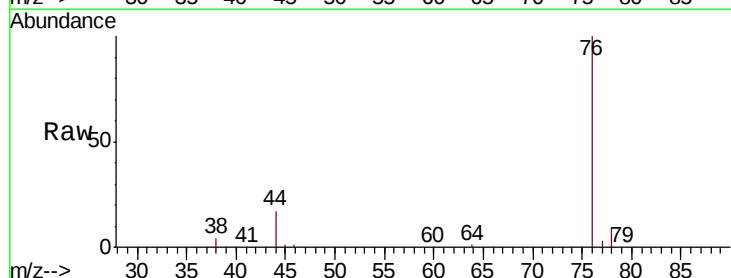
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

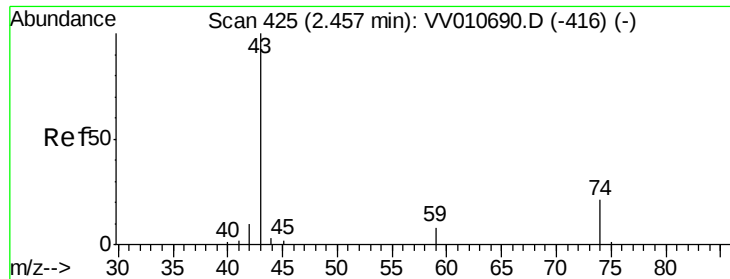
Tgt Ion: 43 Resp: 76645
Ion Ratio Lower Upper
43 100
58 31.9 0.0 63.4



#14
Carbon disulfide
Concen: 52.027 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Tgt Ion: 76 Resp: 207876
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.8

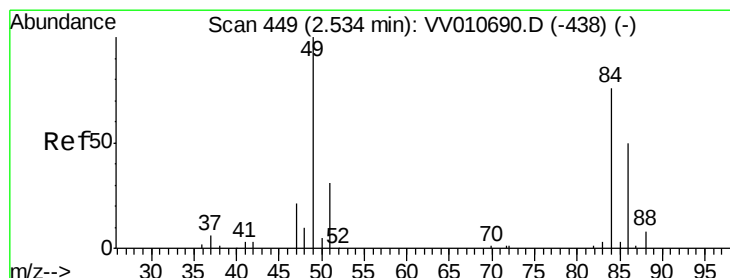
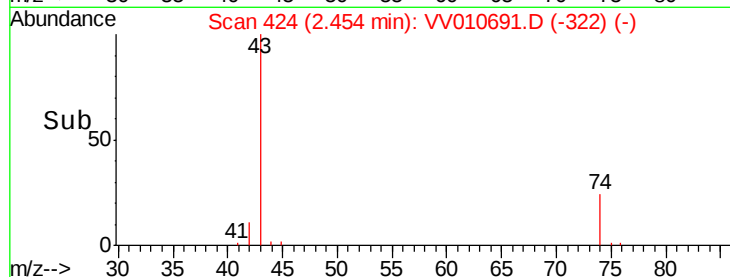
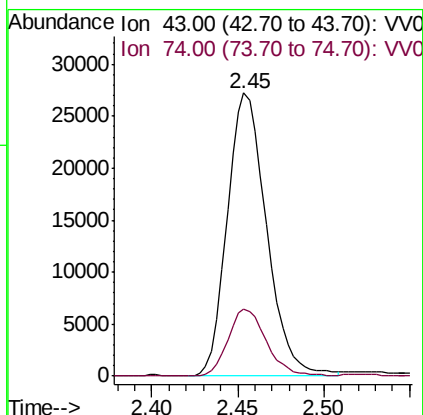
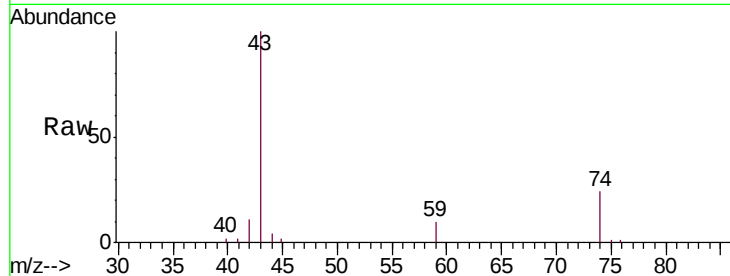




#15
Methyl Acetate
Concen: 48.940 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

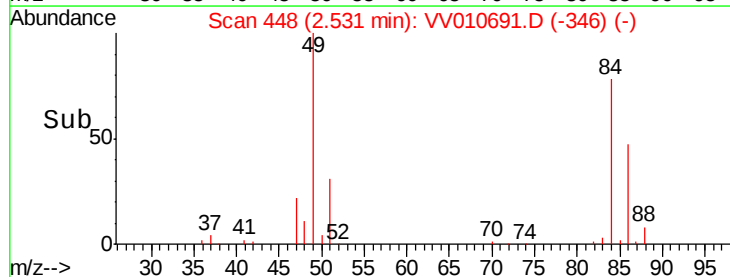
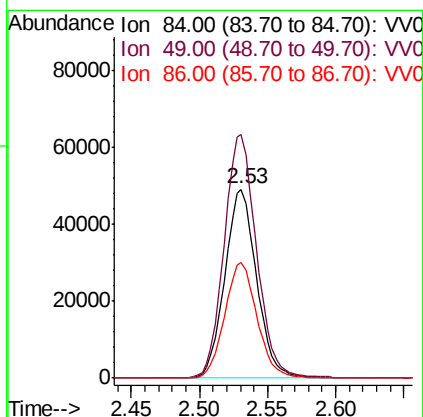
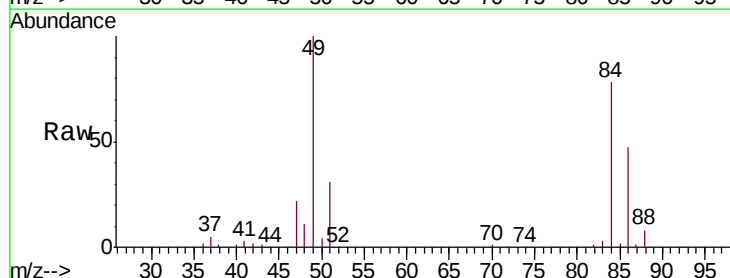
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

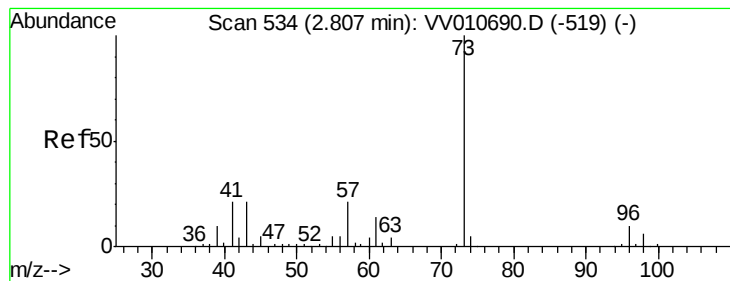
Tgt Ion: 43 Resp: 43577
Ion Ratio Lower Upper
43 100
74 23.1 17.0 25.4



#16
Methylene chloride
Concen: 49.826 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Tgt Ion: 84 Resp: 79566
Ion Ratio Lower Upper
84 100
49 128.7 92.9 172.5
86 61.0 46.5 86.5





#17

Methyl tert-butyl Ether

Concen: 54.803 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.01 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampled :

VSTD05064

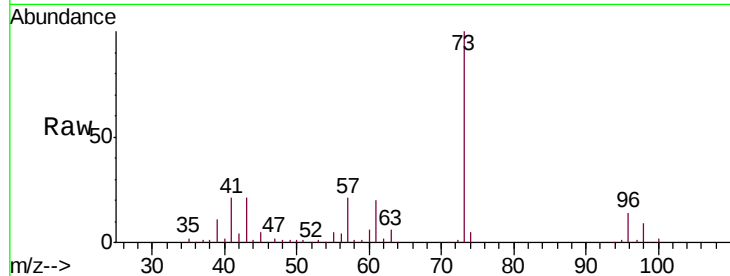
Tgt Ion: 73 Resp: 223117

Ion Ratio Lower Upper

73 100

43 21.2 16.6 25.0

57 21.8 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VV010691.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV010691.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV010691.D (-519) (-)

2.80

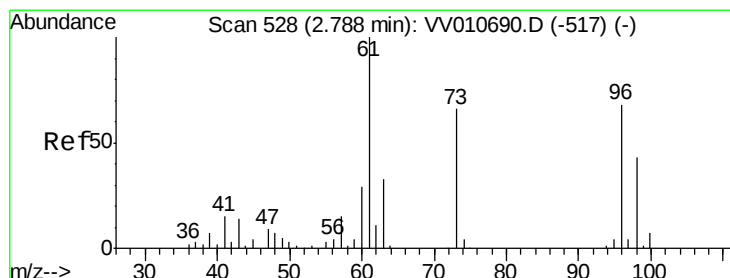
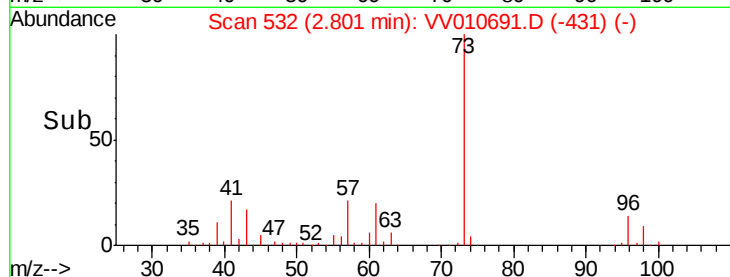
100000

50000

0

Time-->

2.70 2.75 2.80 2.85 2.90



#18

trans-1,2-Dichloroethene

Concen: 52.431 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

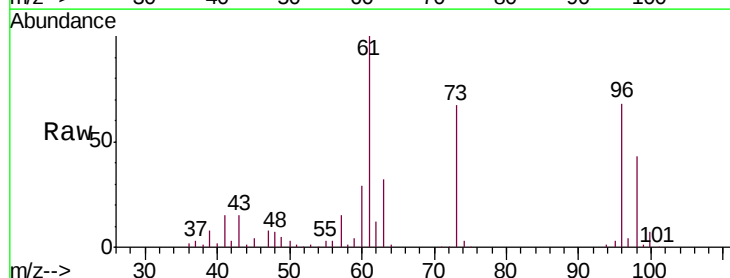
Tgt Ion: 96 Resp: 77057

Ion Ratio Lower Upper

96 100

61 146.1 102.8 190.8

98 62.8 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV010691.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV010691.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV010691.D (-517) (-)

2.78

80000

60000

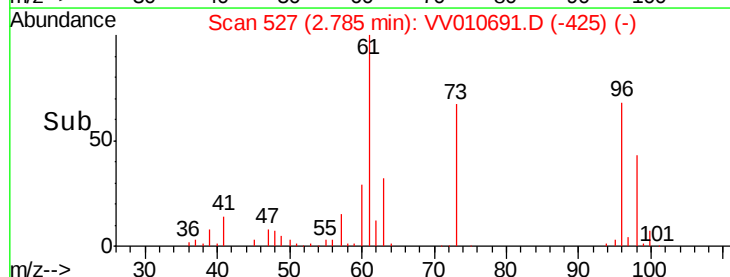
40000

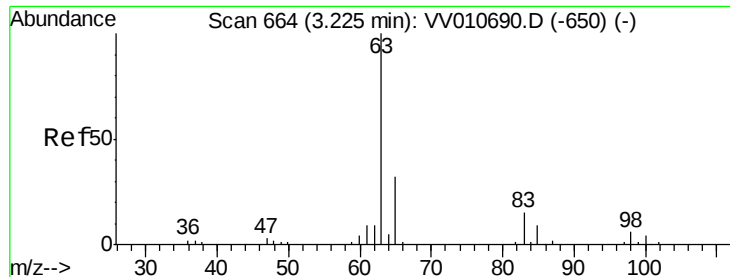
20000

0

Time-->

2.75 2.80 2.85

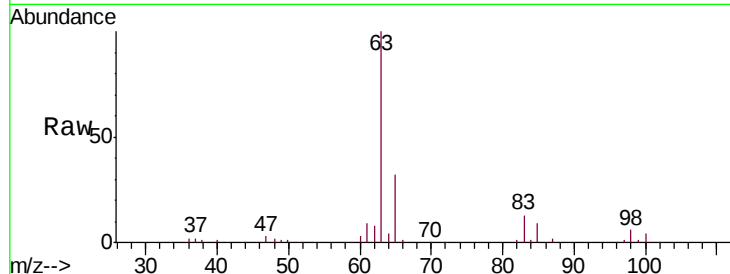




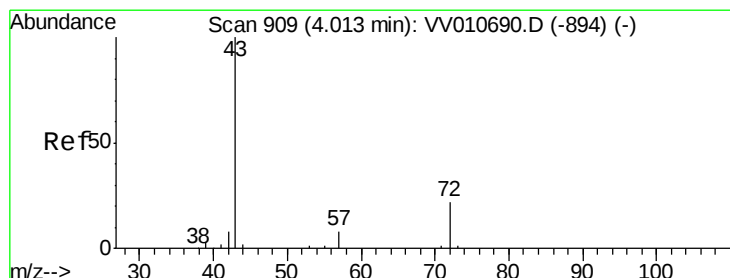
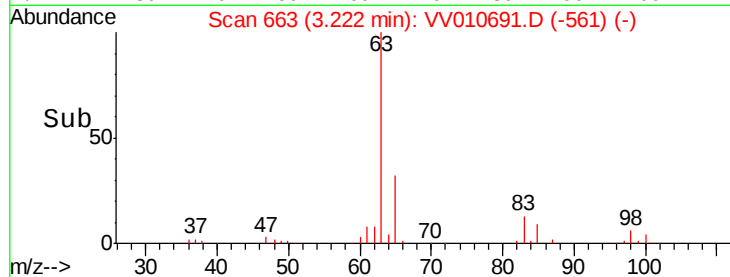
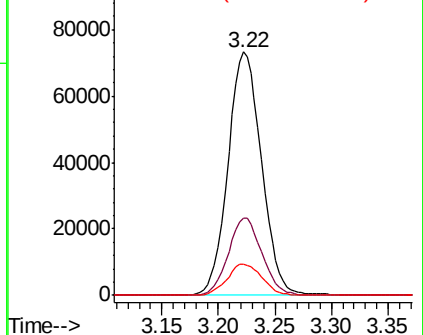
#19
 1,1-Dichloroethane
 Concen: 53.395 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion: 63 Resp: 151498
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.7
 83 13.0 10.3 19.1

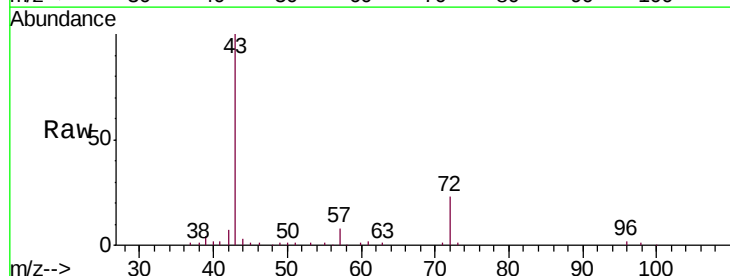


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

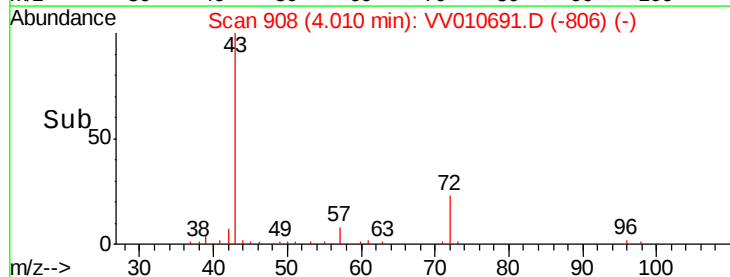
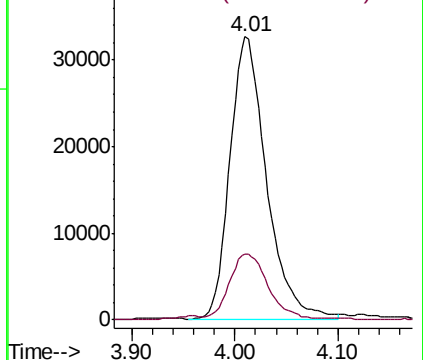


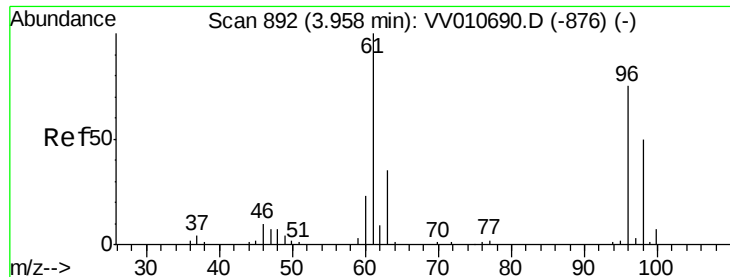
#21
 2-Butanone
 Concen: 112.307 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion: 43 Resp: 80458
 Ion Ratio Lower Upper
 43 100
 72 24.9 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



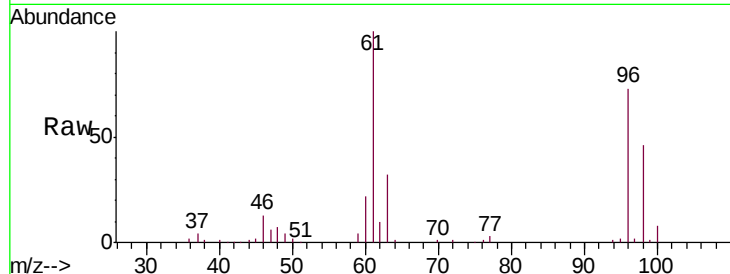


#22

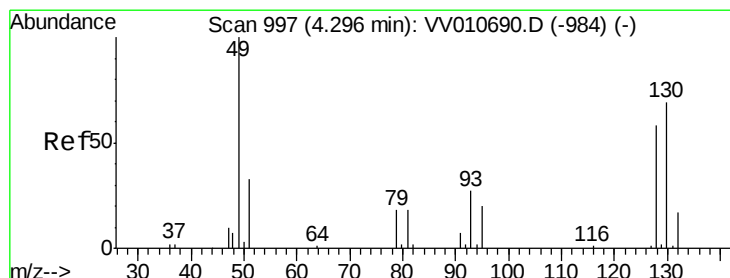
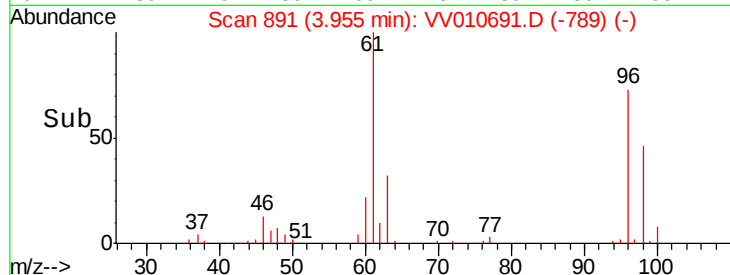
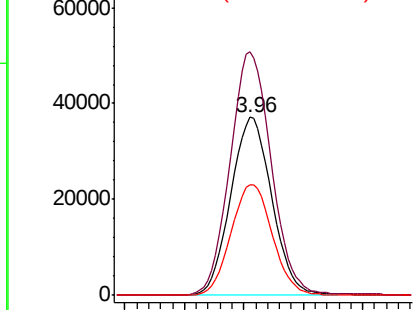
cis-1,2-Dichloroethene
 Concen: 53.118 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion: 96 Resp: 89180
 Ion Ratio Lower Upper
 96 100
 61 136.9 93.9 174.5
 98 62.3 46.5 86.5



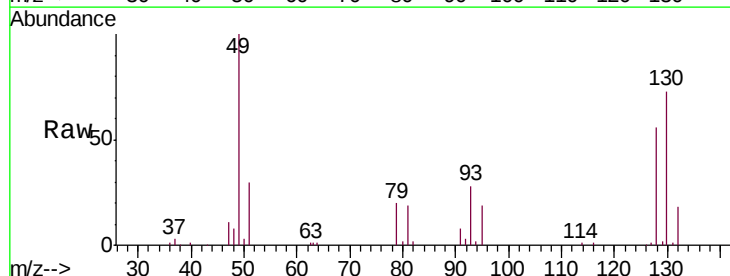
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



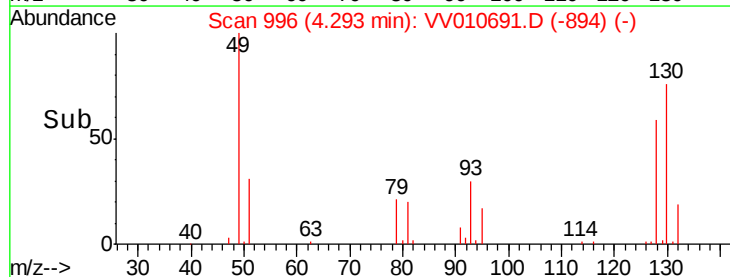
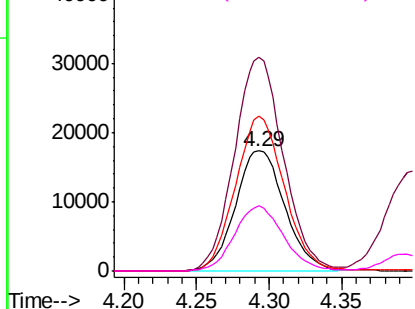
#23

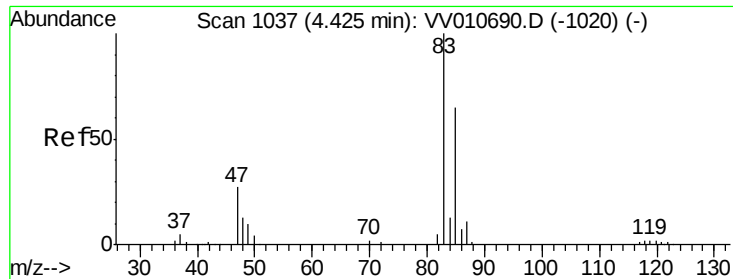
Bromochloromethane
 Concen: 54.518 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion: 128 Resp: 41144
 Ion Ratio Lower Upper
 128 100
 49 177.8 122.6 227.8
 130 129.1 84.0 156.0
 51 53.9 45.0 67.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

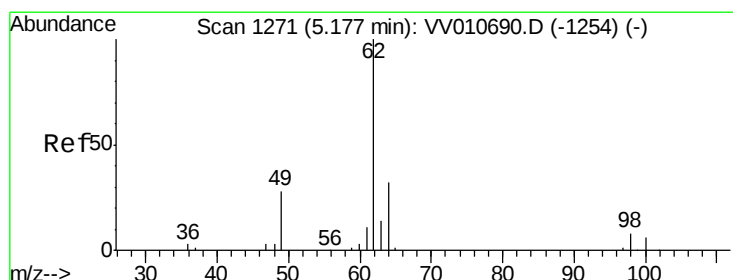
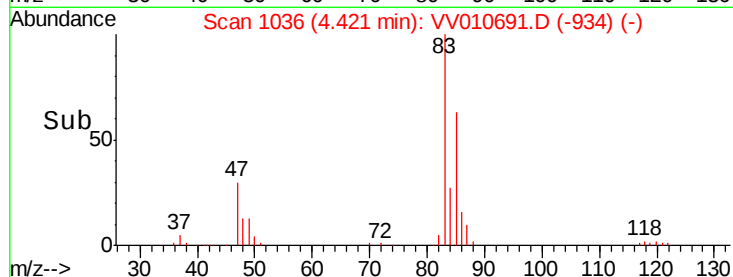
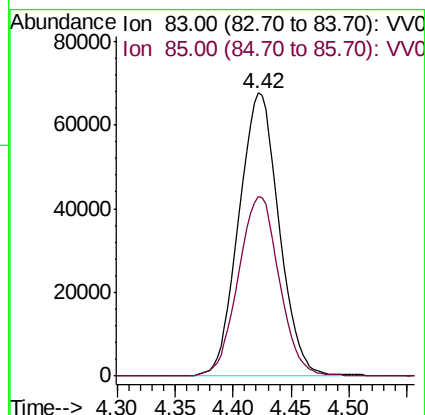
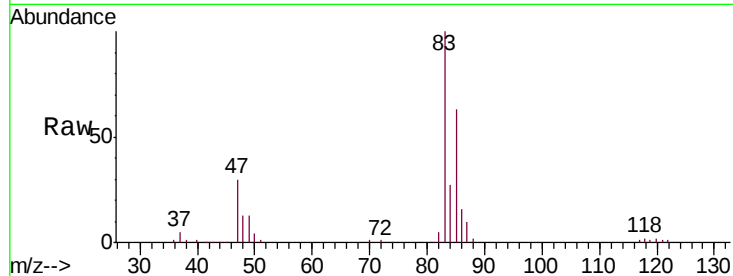




#25
Chloroform
Concen: 52.193 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

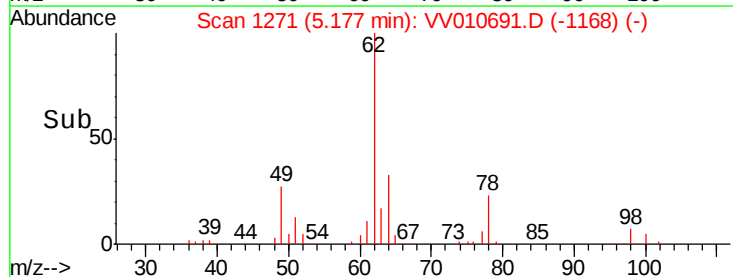
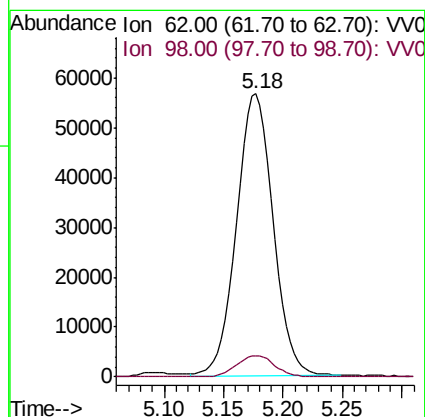
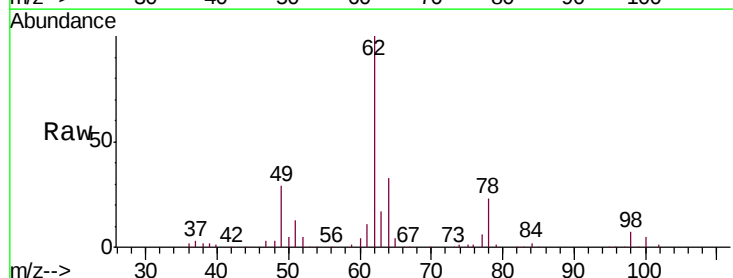
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

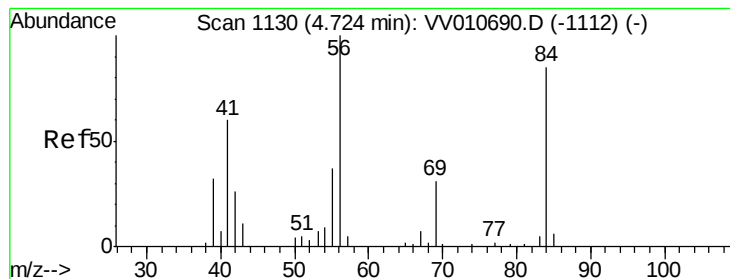
Tgt Ion: 83 Resp: 163141
Ion Ratio Lower Upper
83 100
85 64.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 52.923 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Tgt Ion: 62 Resp: 120912
Ion Ratio Lower Upper
62 100
98 7.4 6.3 9.5





#30

Cyclohexane

Concen: 52.496 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

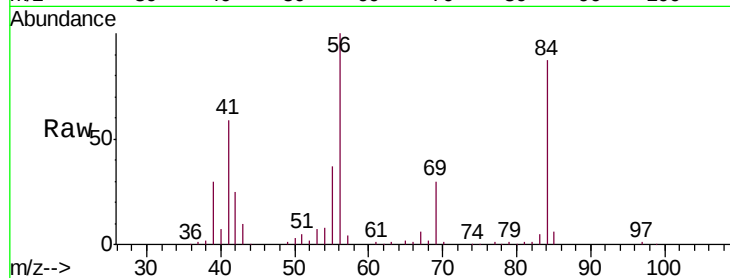
Tgt Ion: 56 Resp: 141165

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.4

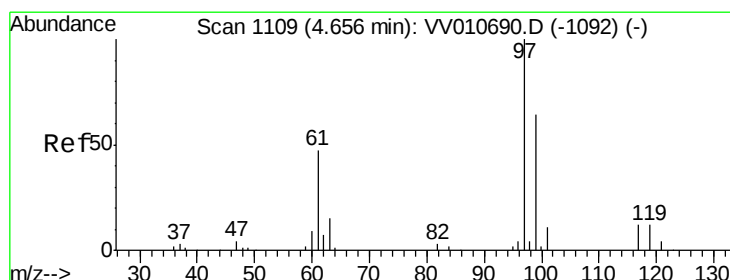
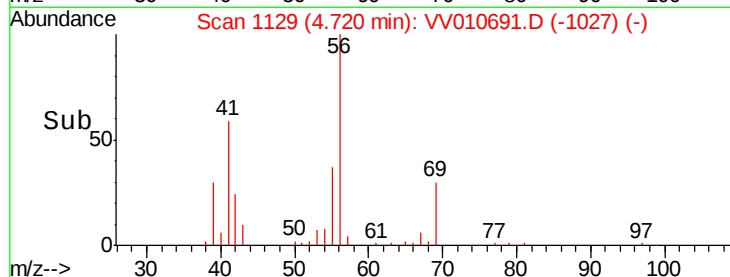
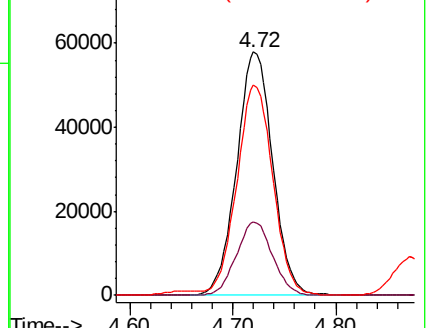
84 86.5 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VV010691.D (-1129) (-)

Ion 69.00 (68.70 to 69.70): VV010691.D (-1129) (-)

Ion 84.00 (83.70 to 84.70): VV010691.D (-1129) (-)



#31

1,1,1-Trichloroethane

Concen: 52.196 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

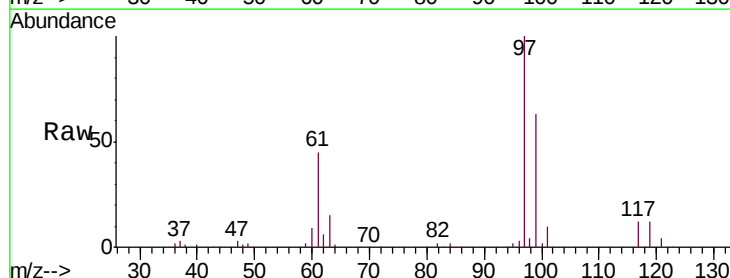
Tgt Ion: 97 Resp: 139538

Ion Ratio Lower Upper

97 100

99 62.6 50.2 75.2

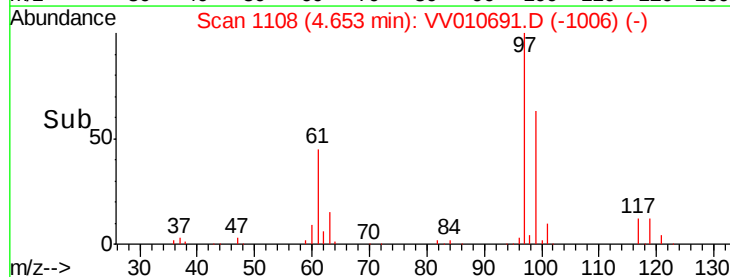
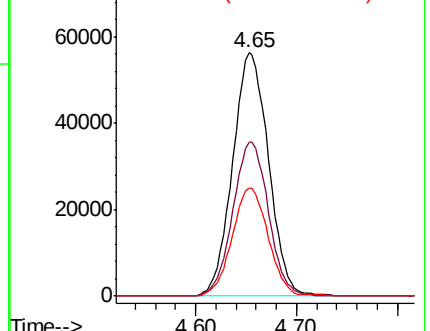
61 44.5 36.7 55.1

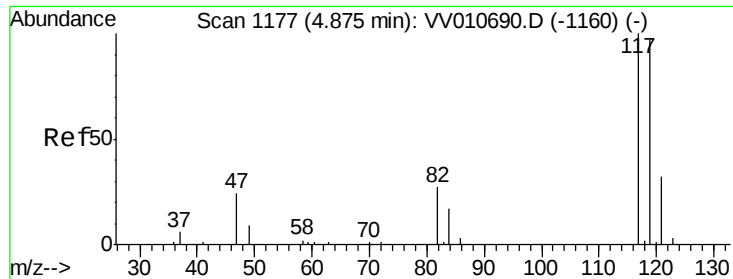


Abundance Ion 97.00 (96.70 to 97.70): VV010691.D (-1108) (-)

Ion 99.00 (98.70 to 99.70): VV010691.D (-1108) (-)

Ion 61.00 (60.70 to 61.70): VV010691.D (-1108) (-)





#32

Carbon tetrachloride

Concen: 52.354 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

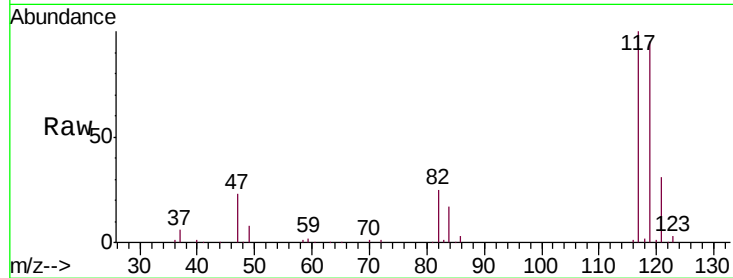
VSTD05064

Tgt Ion:117 Resp: 121915

Ion Ratio Lower Upper

117 100

119 96.2 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

60000

50000

40000

30000

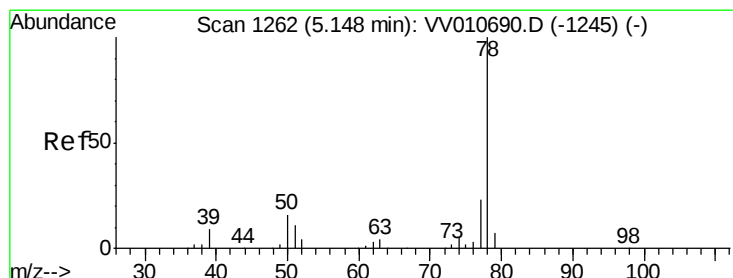
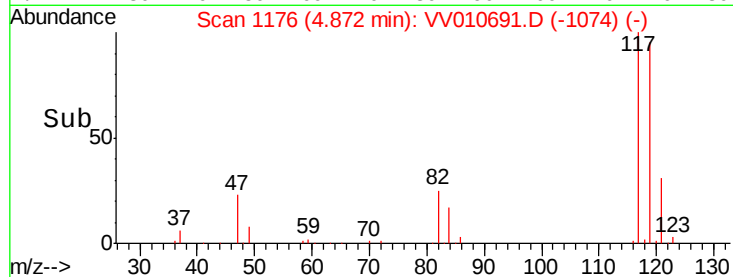
20000

10000

0

4.80 4.90 5.00

Time-->



#34

Benzene

Concen: 53.771 ug/L

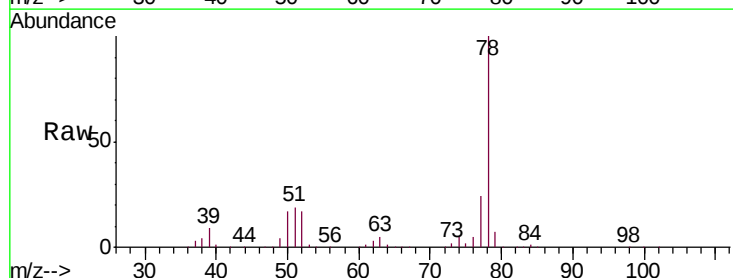
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Tgt Ion: 78 Resp: 338438



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.14

150000

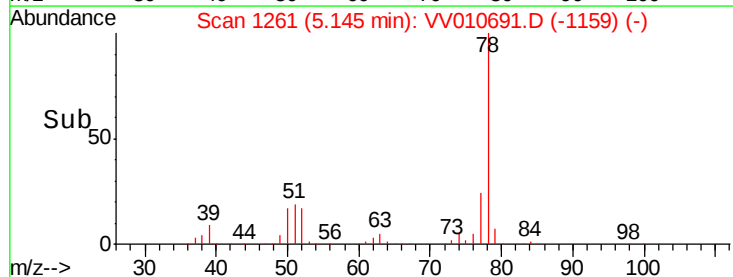
100000

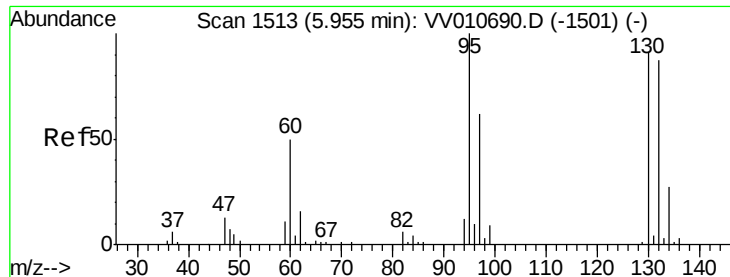
50000

0

5.00 5.10 5.20 5.30

Time-->

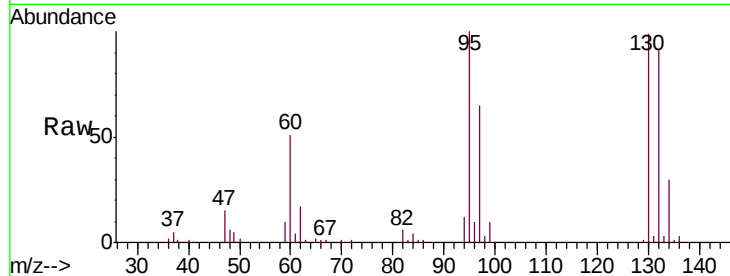




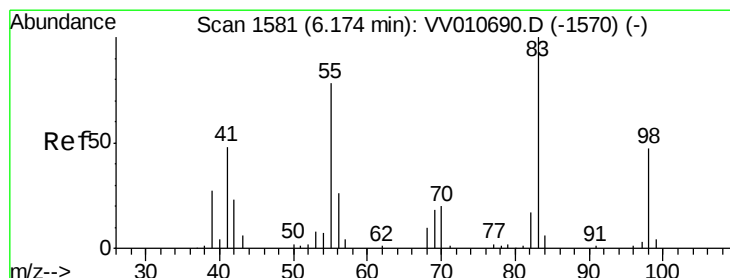
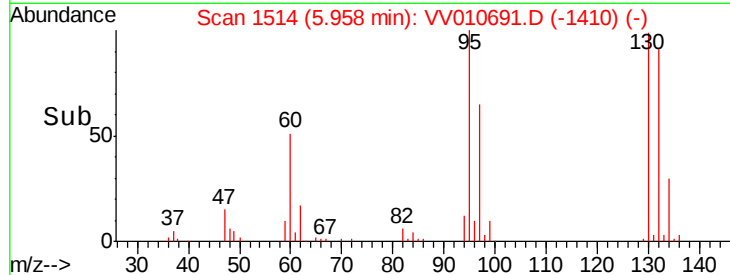
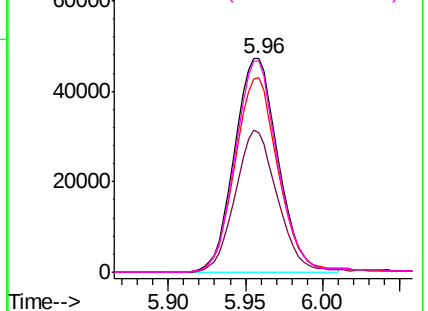
#35
 Trichloroethene
 Concen: 52.533 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion: 95 Resp: 92617
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.3 82.3
 132 90.0 62.4 115.8
 130 96.7 68.5 127.3

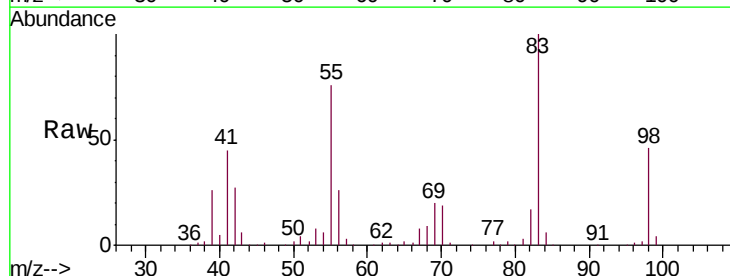


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

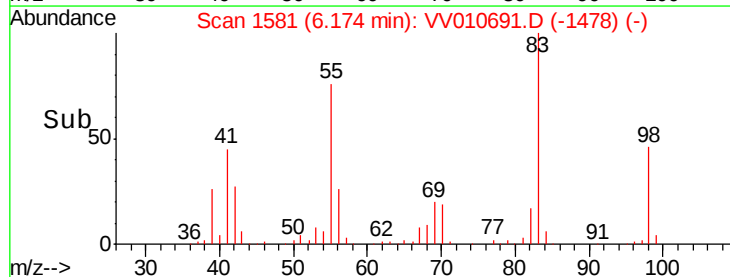
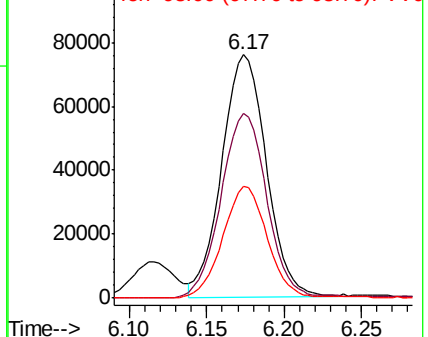


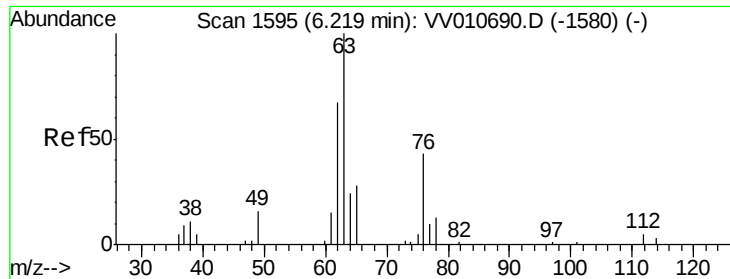
#36
 Methylcyclohexane
 Concen: 53.412 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion: 83 Resp: 150925
 Ion Ratio Lower Upper
 83 100
 55 78.7 64.6 96.8
 98 45.6 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

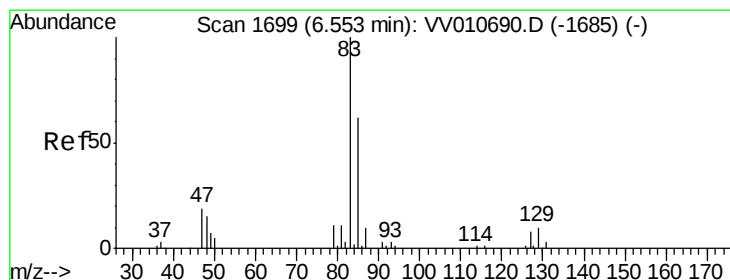
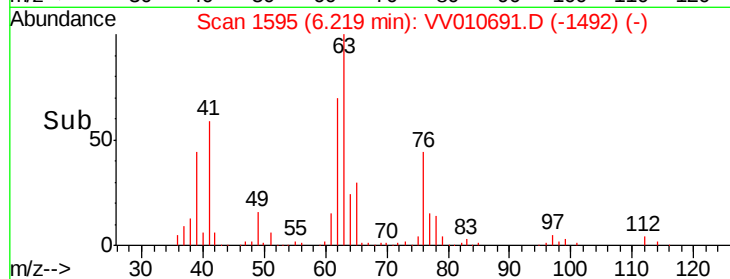
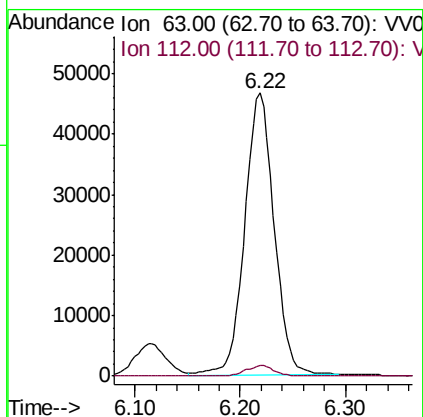
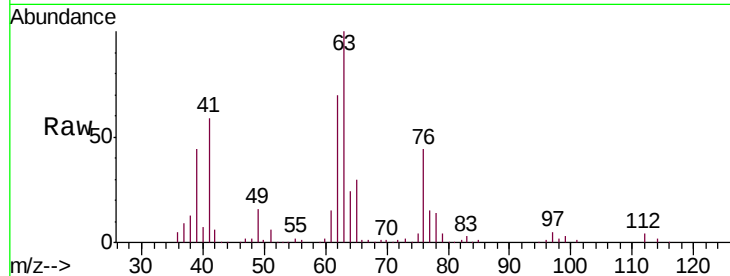




#40
 1,2-Dichloropropane
 Concen: 53.916 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

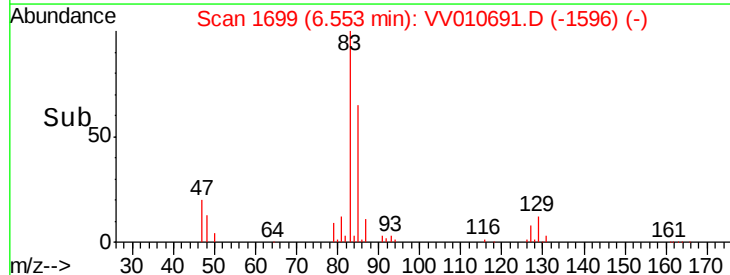
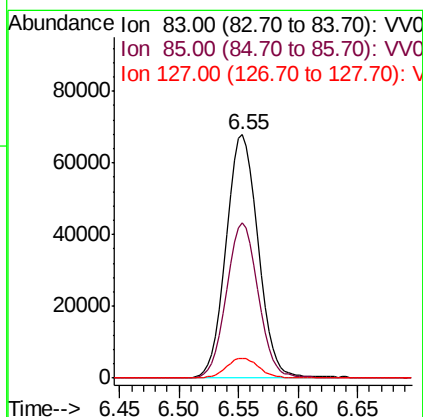
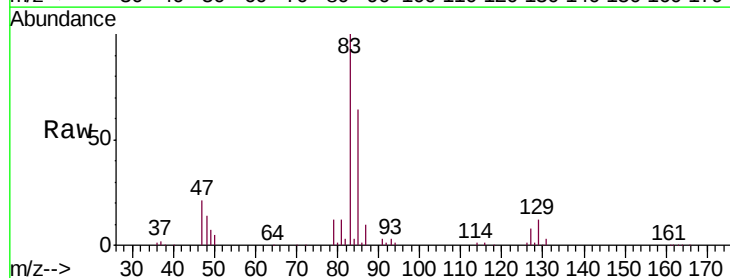
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

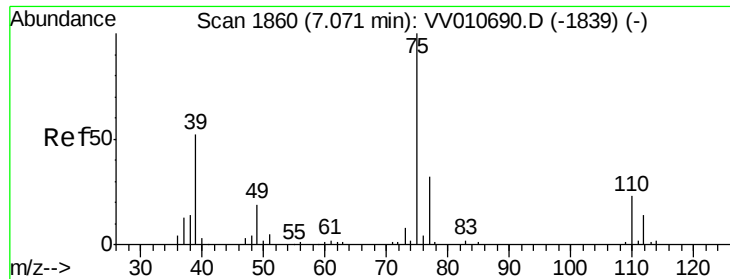
Tgt Ion: 63 Resp: 90275
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.4 5.2



#41
 Bromodichloromethane
 Concen: 55.363 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion: 83 Resp: 127372
 Ion Ratio Lower Upper
 83 100
 85 64.0 43.5 80.7
 127 8.1 6.2 9.4



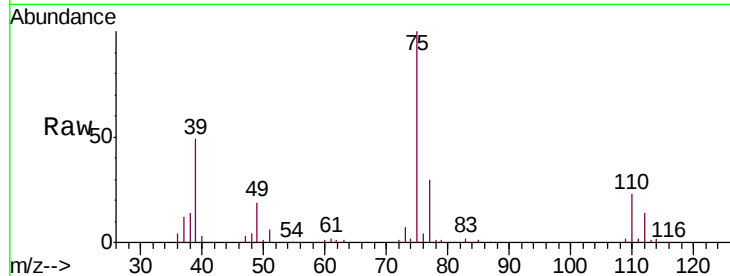


#42

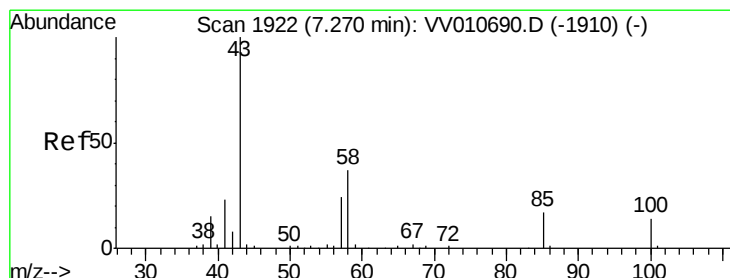
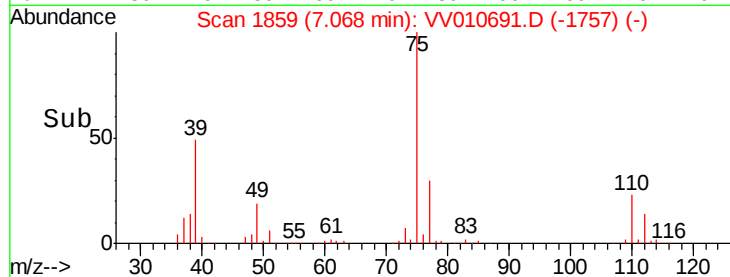
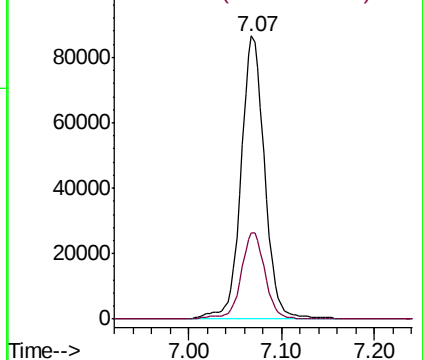
cis-1,3-Dichloropropene
Concen: 57.874 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion: 75 Resp: 153268
Ion Ratio Lower Upper
75 100
77 30.5 22.3 41.3



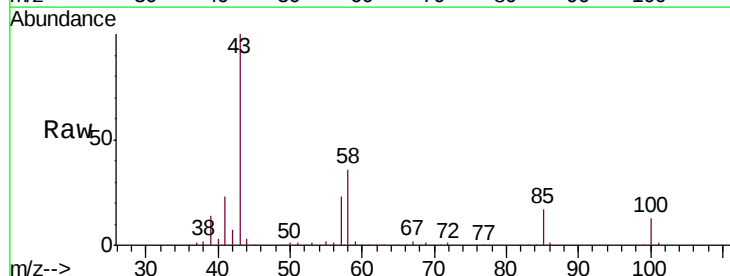
Abundance Ion 75.00 (74.70 to 75.70): VV010691.D (-1859) (-)
Ion 77.00 (76.70 to 77.70): VV010691.D (-1859) (-)



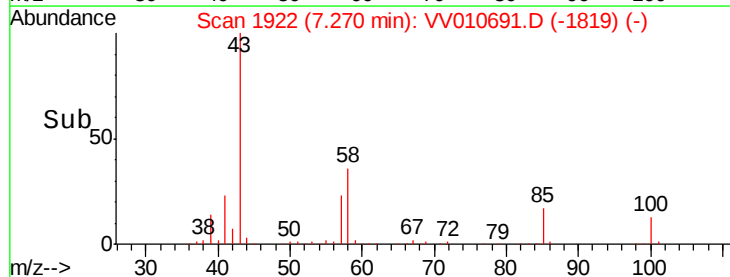
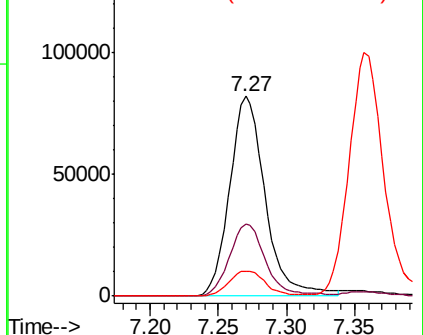
#43

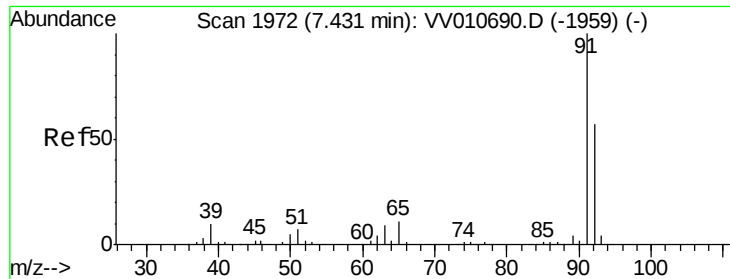
4-Methyl-2-pentanone
Concen: 105.524 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Tgt Ion: 43 Resp: 148726
Ion Ratio Lower Upper
43 100
58 36.4 28.1 42.1
100 13.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VV010691.D (-1922) (-)
Ion 58.00 (57.70 to 58.70): VV010691.D (-1922) (-)
Ion 100.00 (99.70 to 100.70): VV010691.D (-1922) (-)





#44

Toluene

Concen: 53.841 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

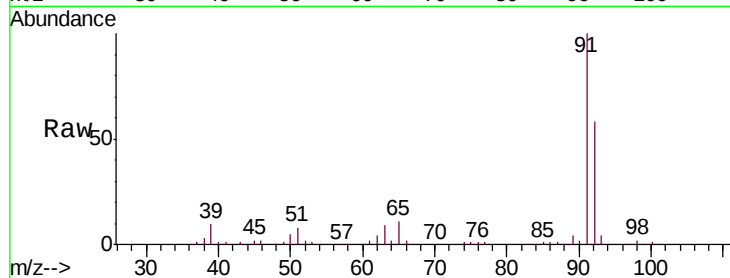
VSTD05064

Tgt Ion: 91 Resp: 384883

Ion Ratio Lower Upper

91 100

92 57.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010691.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV010691.D (-1959) (-)

7.43

200000

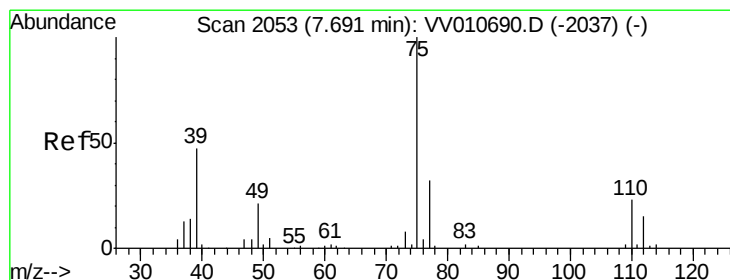
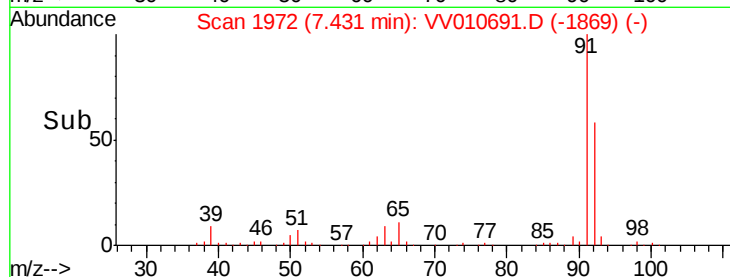
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 57.170 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010691.D

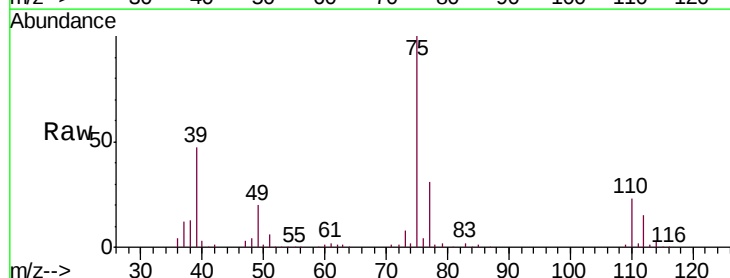
Acq: 07 May 2019 12:40

Tgt Ion: 75 Resp: 127491

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV010691.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV010691.D (-2037) (-)

7.69

80000

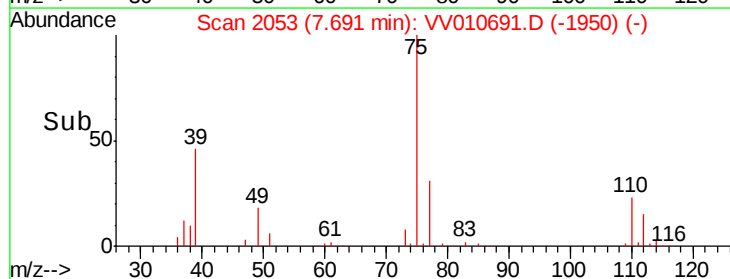
60000

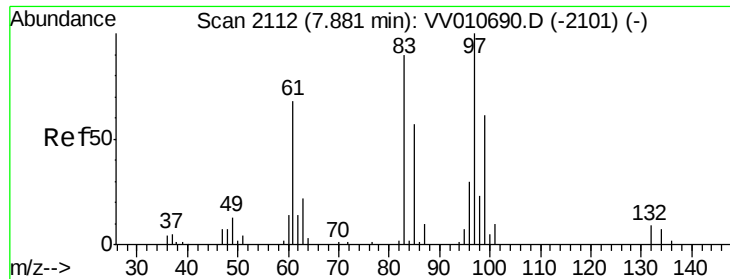
40000

20000

0

Time-->

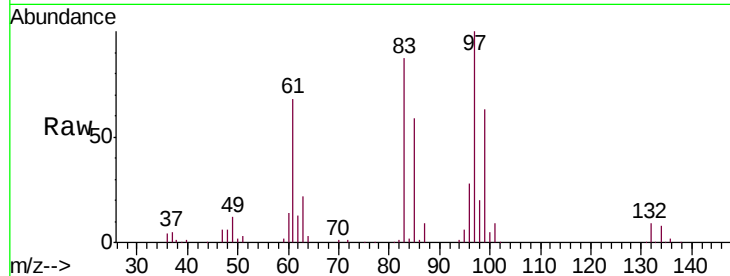




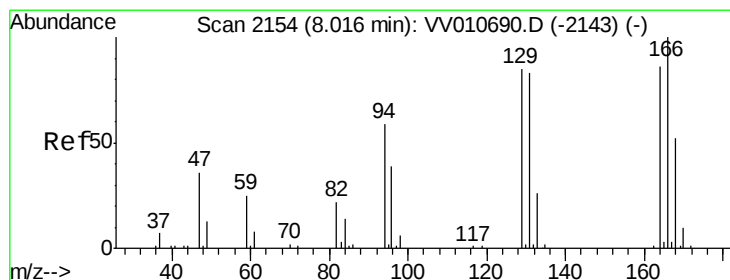
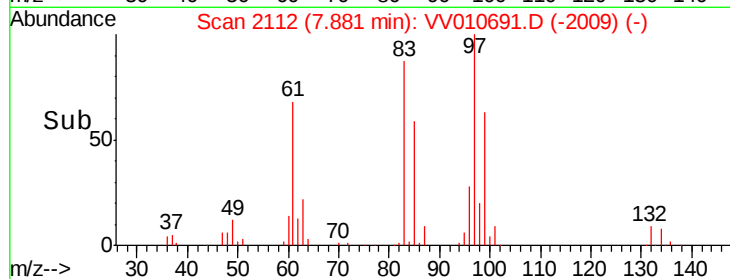
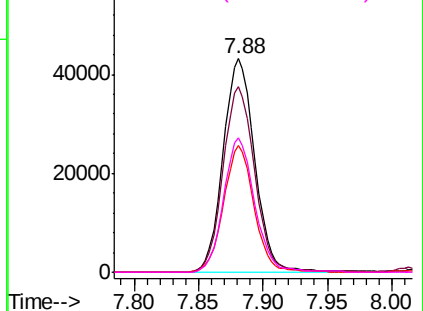
#46
 1,1,2-Trichloroethane
 Concen: 53.283 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion:	97	Resp:	73292
Ion	Ratio	Lower	Upper
97	100		
83	87.2	62.8	116.6
85	59.2	40.2	74.6
99	63.1	42.6	79.0

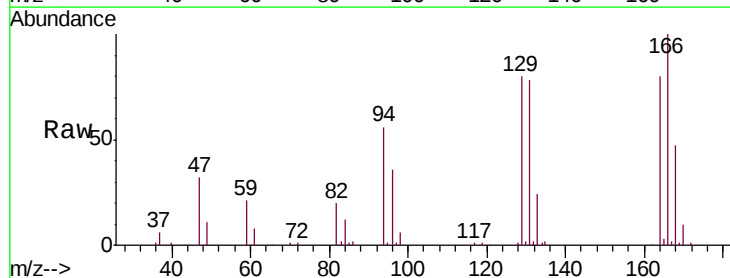


Abundance Ion 97.00 (96.70 to 97.70): VV010691.D (-2101) (-)
 Ion 83.00 (82.70 to 83.70): VV010691.D (-2101) (-)
 Ion 85.00 (84.70 to 85.70): VV010691.D (-2101) (-)
 Ion 99.00 (98.70 to 99.70): VV010691.D (-2101) (-)

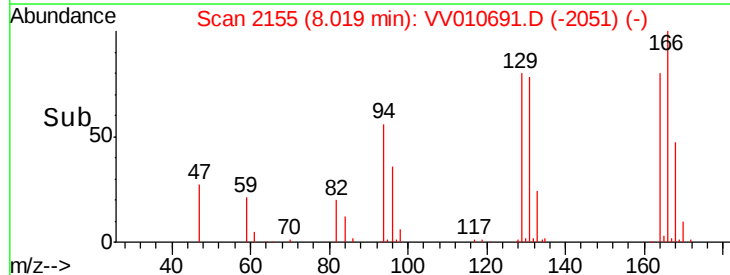
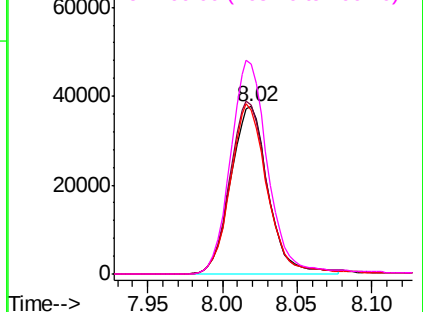


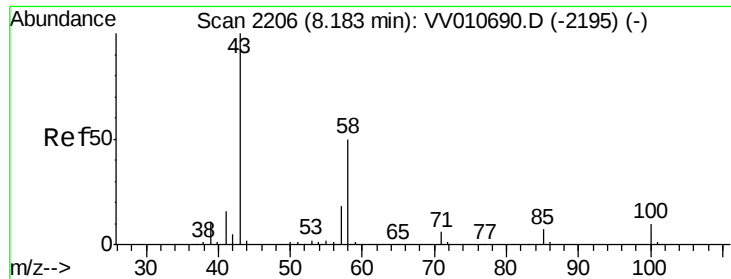
#47
 Tetrachloroethene
 Concen: 51.417 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion:	164	Resp:	65650
Ion	Ratio	Lower	Upper
164	100		
129	100.8	69.3	128.7
131	97.8	67.3	125.1
166	125.5	81.1	150.7



Abundance Ion 164.00 (163.70 to 164.70): VV010691.D (-2143) (-)
 Ion 129.00 (128.70 to 129.70): VV010691.D (-2143) (-)
 Ion 131.00 (130.70 to 131.70): VV010691.D (-2143) (-)
 Ion 166.00 (165.70 to 166.70): VV010691.D (-2143) (-)

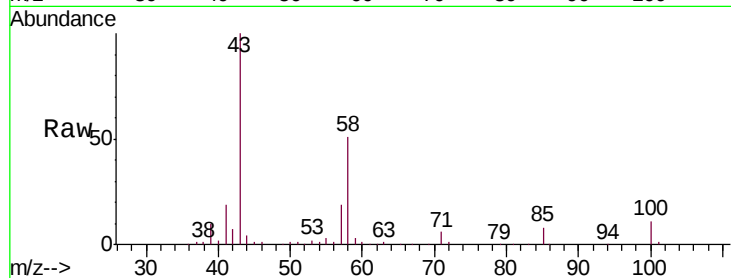




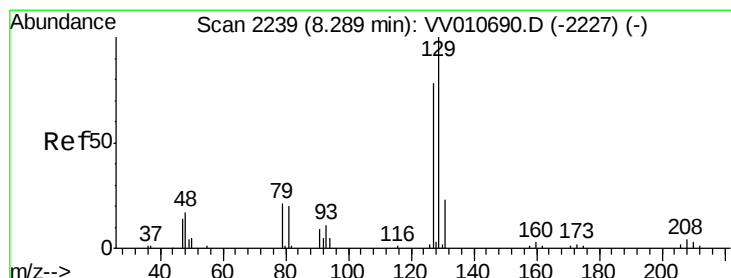
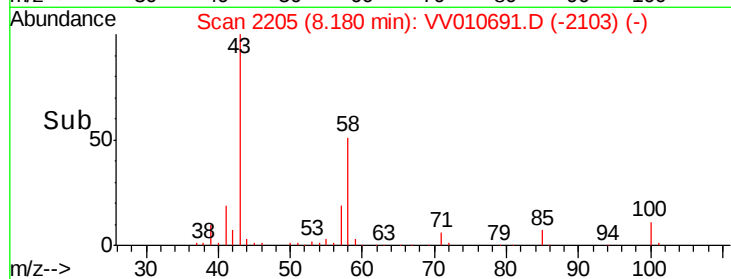
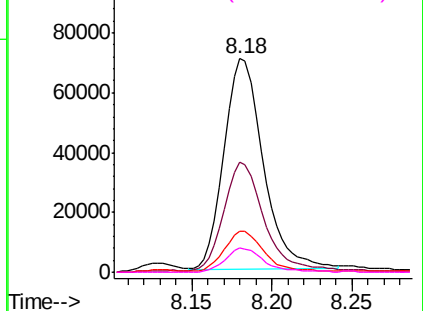
#49
2-Hexanone
Concen: 110.556 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Instrument :
MSVOA_V
ClientSampled :
VSTD05064

Tgt Ion:	43	Resp:	118467
Ion	Ratio	Lower	Upper
43	100		
58	52.3	39.4	59.0
57	19.5	14.2	21.4
100	11.3	8.2	12.2

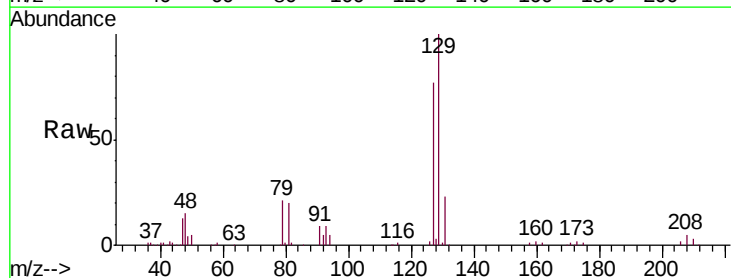


Abundance Ion 43.00 (42.70 to 43.70): VV010691.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV010691.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV010691.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV010691.D (-2195) (-)

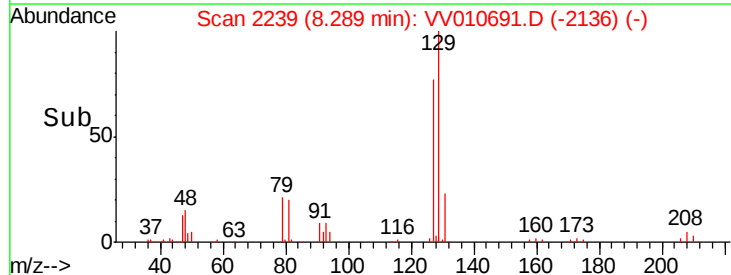
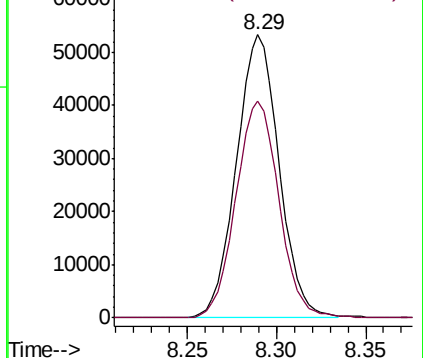


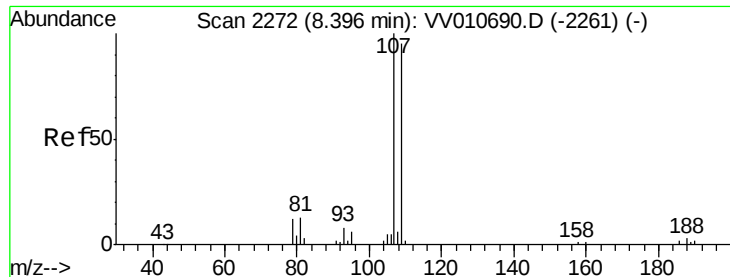
#50
Dibromochloromethane
Concen: 56.109 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Tgt Ion:	129	Resp:	88752
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.5	101.1



Abundance Ion 129.00 (128.70 to 129.70): VV010691.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV010691.D (-2136) (-)

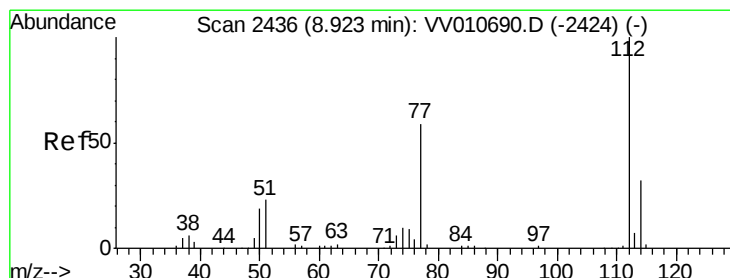
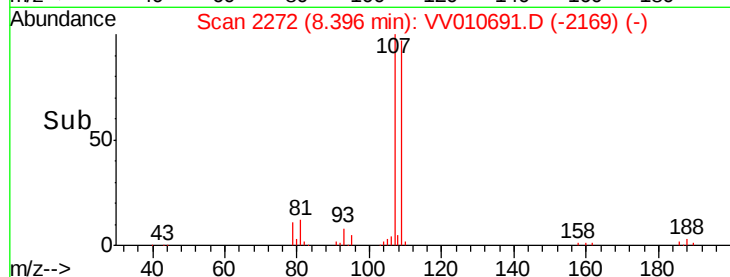
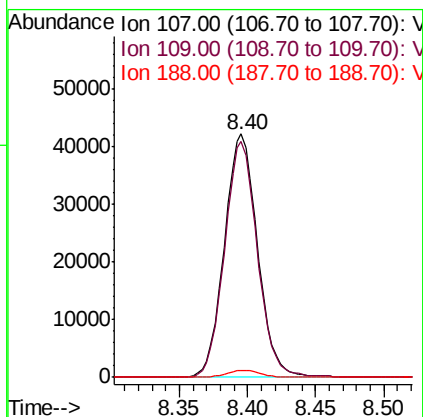
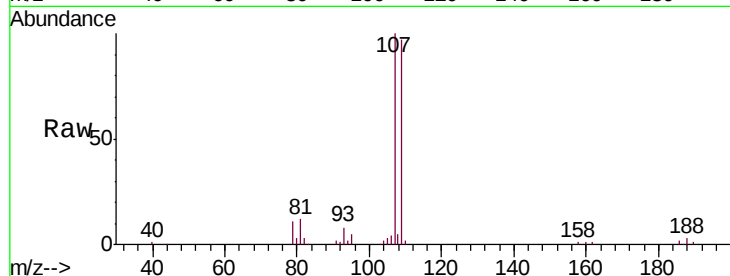




#51
 1,2-Dibromoethane
 Concen: 53.645 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

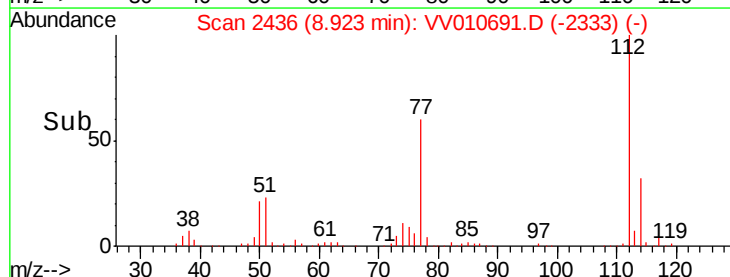
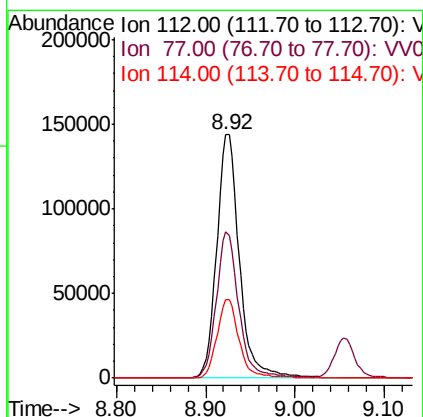
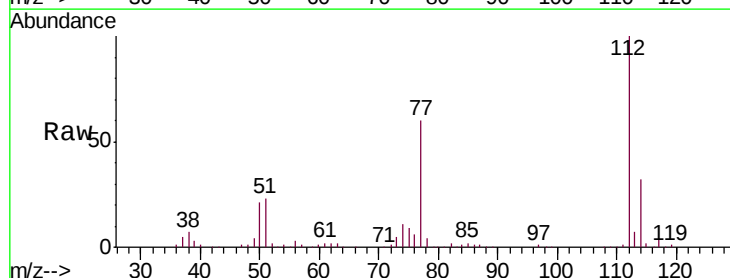
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05064

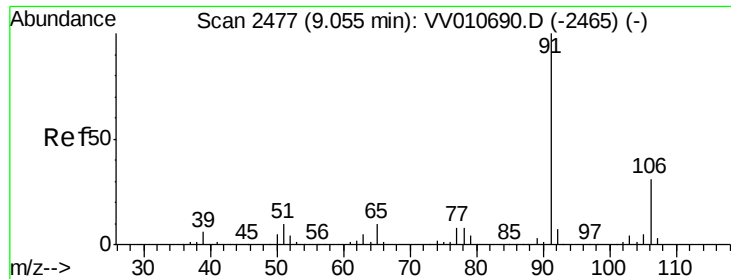
Tgt Ion:107 Resp: 71268
 Ion Ratio Lower Upper
 107 100
 109 96.7 66.6 123.6
 188 3.0 2.7 4.1



#52
 Chlorobenzene
 Concen: 54.374 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion:112 Resp: 253938
 Ion Ratio Lower Upper
 112 100
 77 60.3 47.7 71.5
 114 32.0 22.1 41.1





#53

Ethylbenzene

Concen: 53.957 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

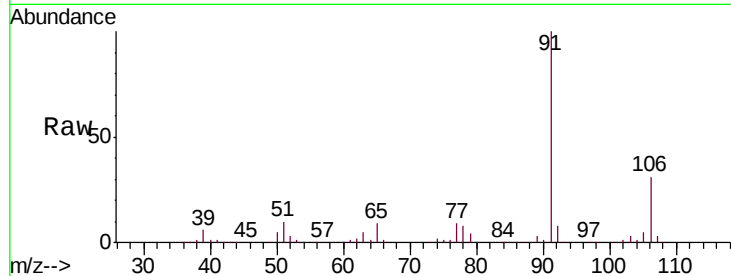
VSTD05064

Tgt Ion: 91 Resp: 447231

Ion Ratio Lower Upper

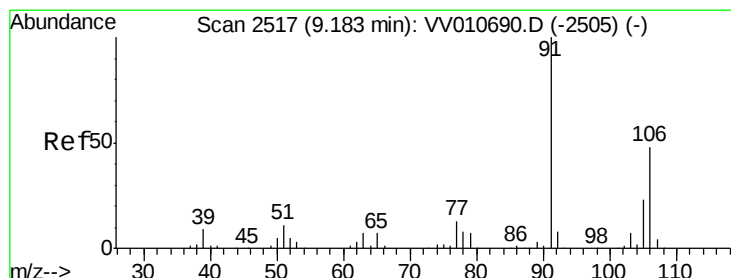
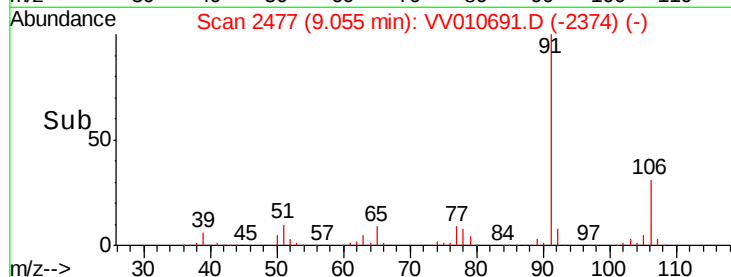
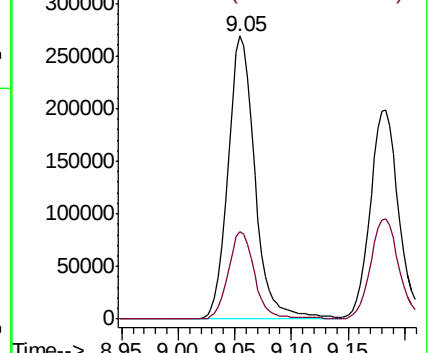
91 100

106 31.0 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV010691.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV010691.D (-2465) (-)



#54

m,p-Xylene

Concen: 53.284 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV010691.D

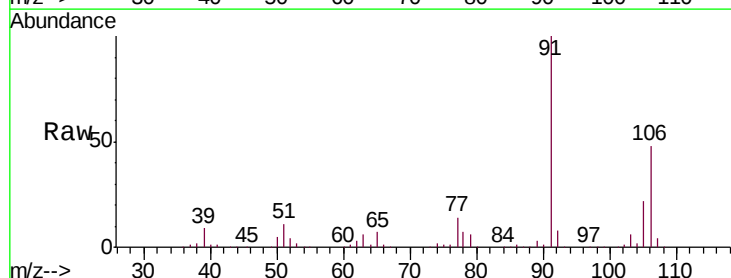
Acq: 07 May 2019 12:40

Tgt Ion: 106 Resp: 165007

Ion Ratio Lower Upper

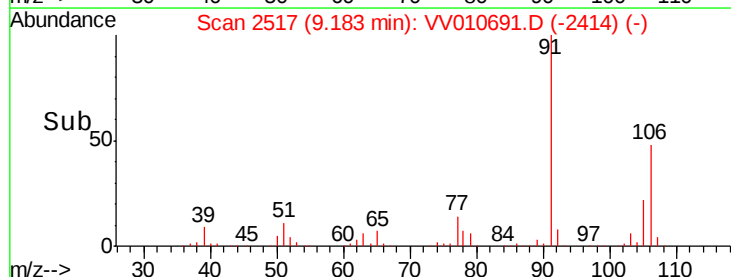
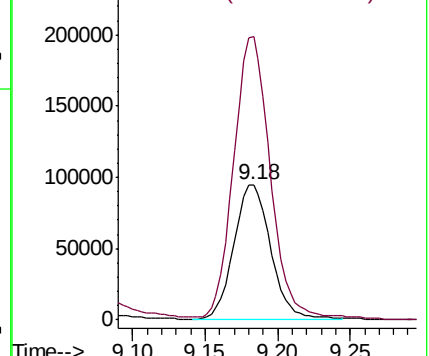
106 100

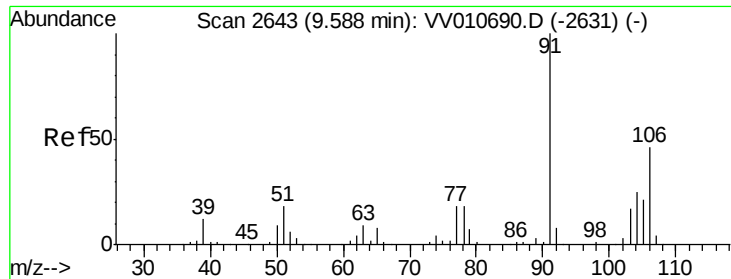
91 208.9 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV010691.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VV010691.D (-2505) (-)

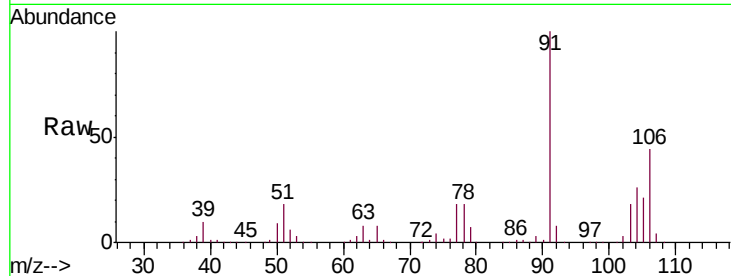




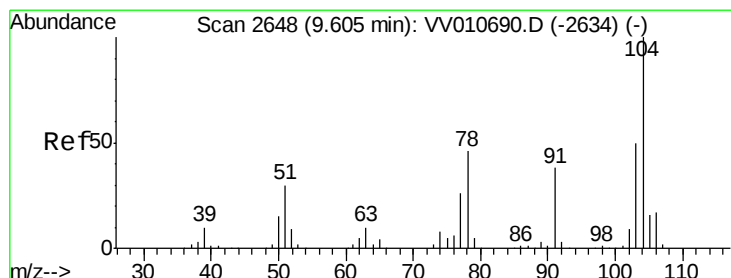
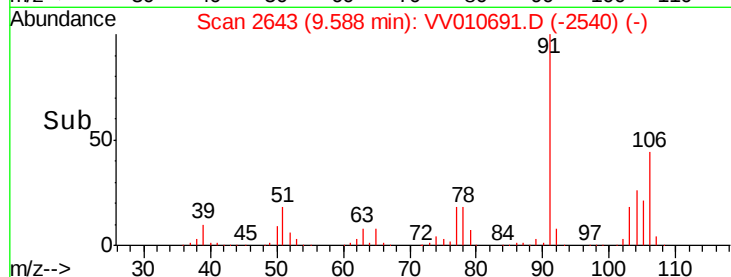
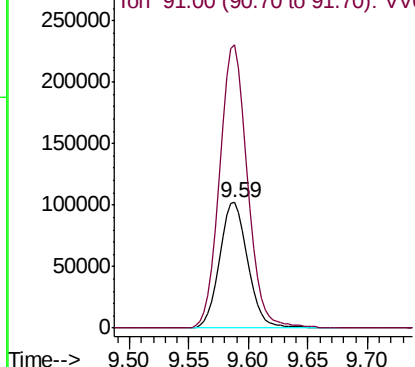
#55
o-xylene
Concen: 54.995 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion:106 Resp: 168920
Ion Ratio Lower Upper
106 100
91 225.0 151.0 280.4

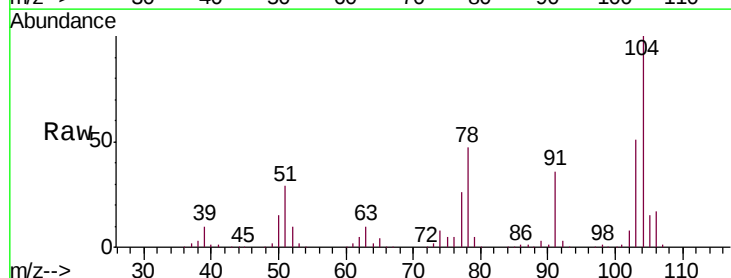


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

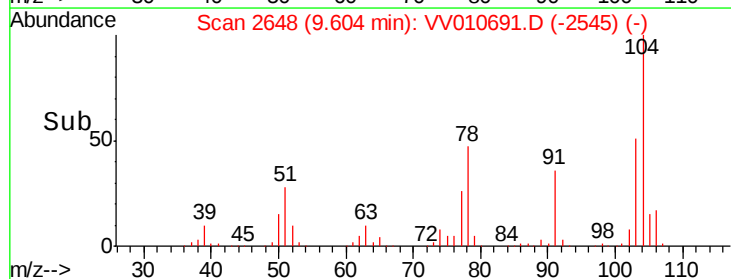
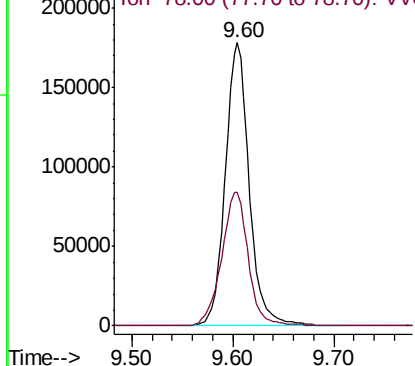


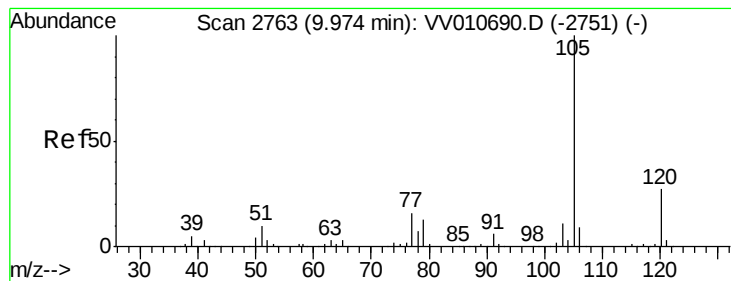
#56
Styrene
Concen: 56.824 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV010691.D
Acq: 07 May 2019 12:40

Tgt Ion:104 Resp: 295211
Ion Ratio Lower Upper
104 100
78 47.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 54.579 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

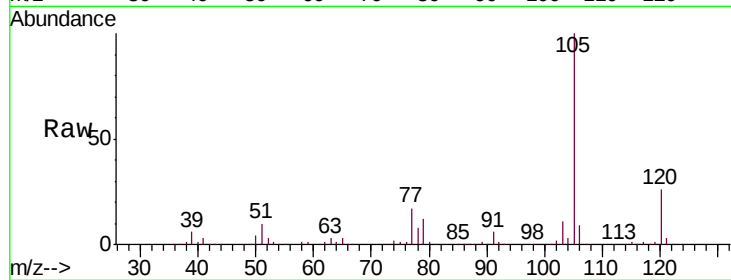
Tgt Ion: 105 Resp: 447283

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

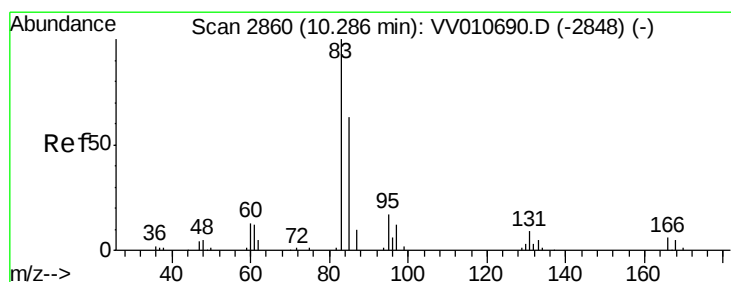
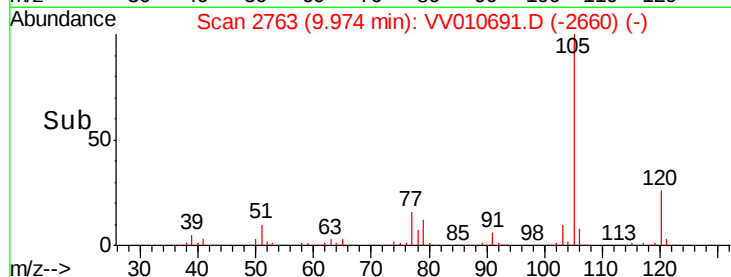
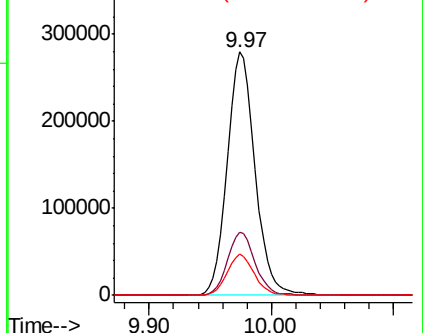
77 16.6 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 53.903 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

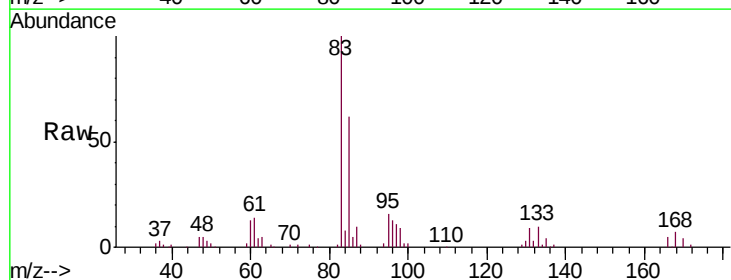
Tgt Ion: 83 Resp: 97139

Ion Ratio Lower Upper

83 100

85 62.0 44.6 82.8

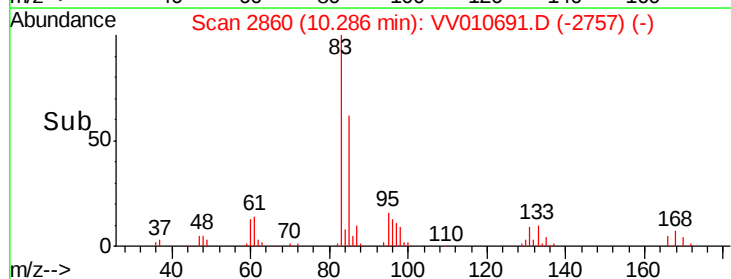
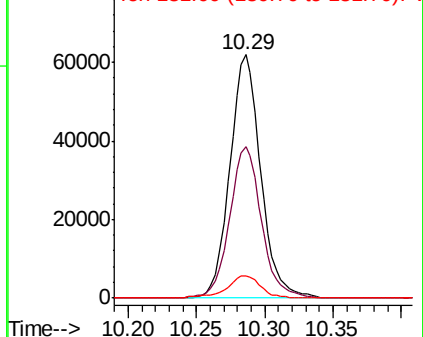
131 9.2 7.9 11.9

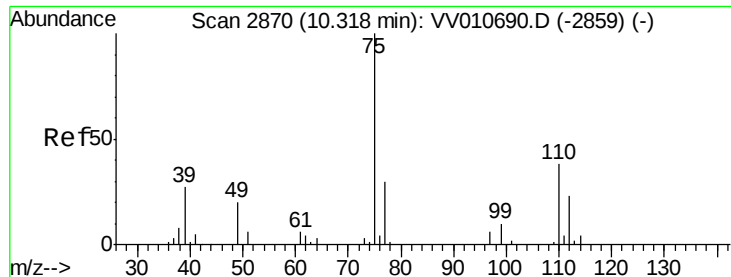


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

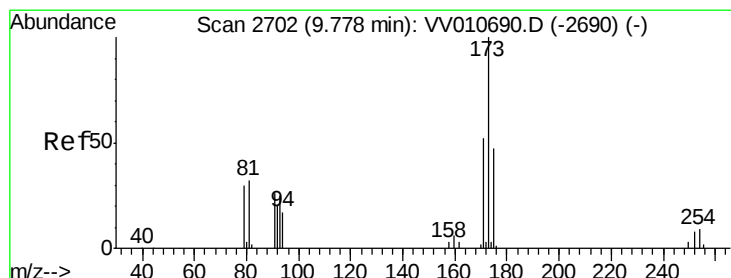
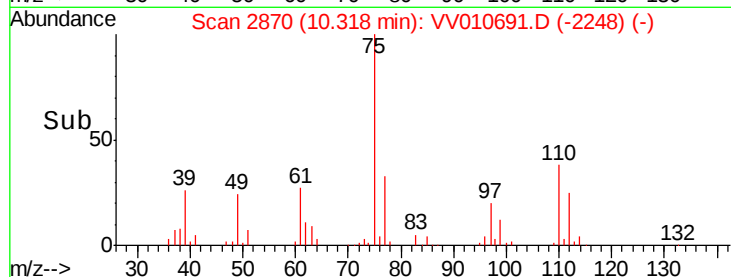
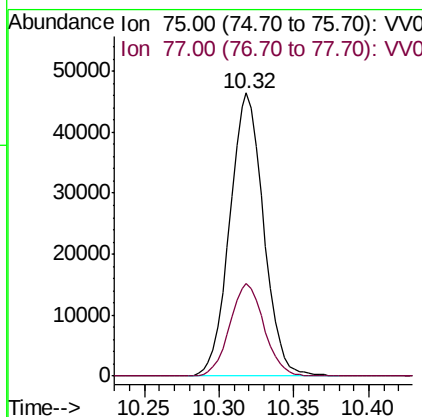
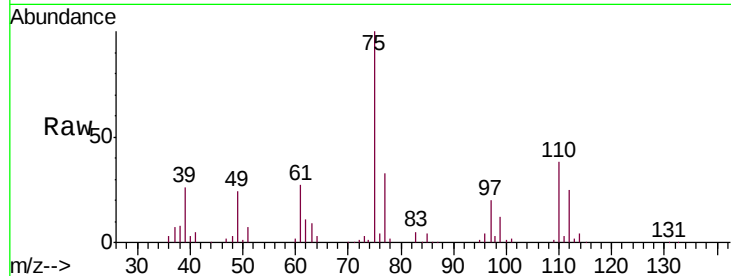




#59
 1,2,3-Trichloropropane
 Concen: 51.914 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

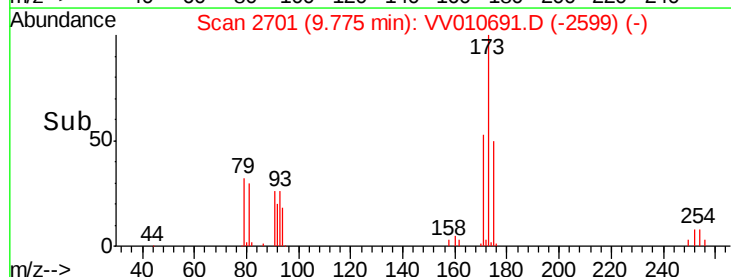
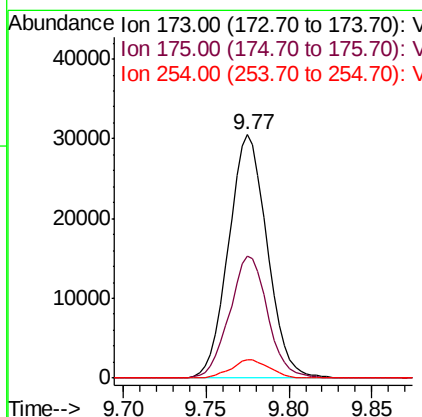
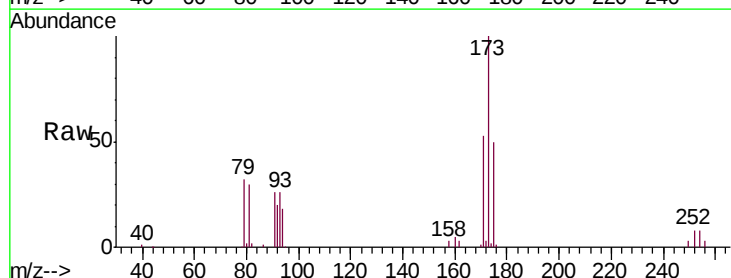
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

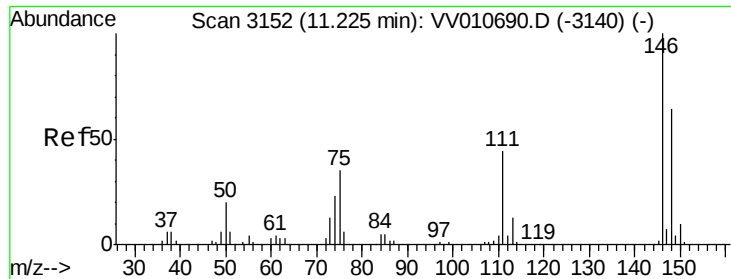
Tgt Ion: 75 Resp: 73015
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.0 37.6



#62
 Bromoform
 Concen: 55.322 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion: 173 Resp: 49388
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.6 58.0
 254 7.4 6.5 9.7

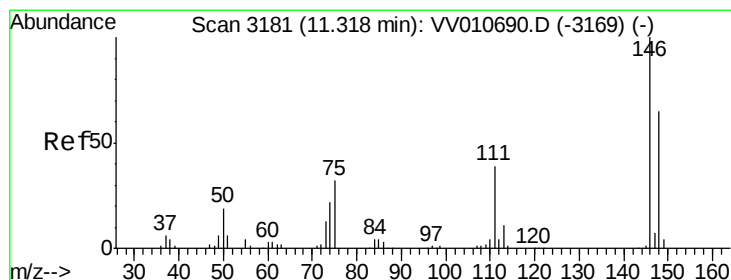
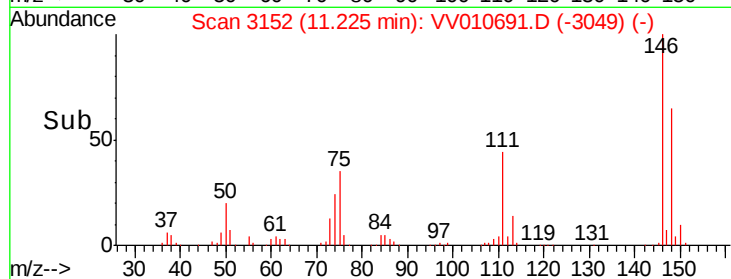
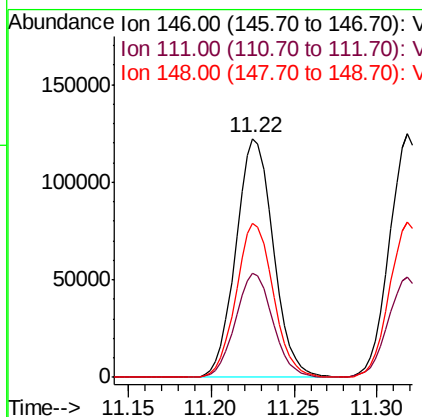
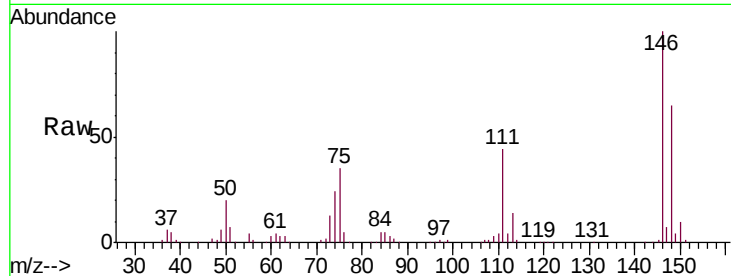




#63
 1,3-Dichlorobenzene
 Concen: 52.619 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

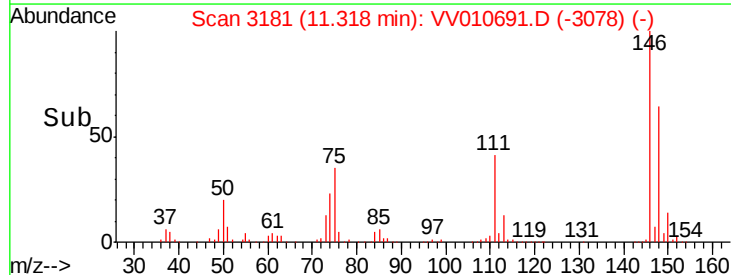
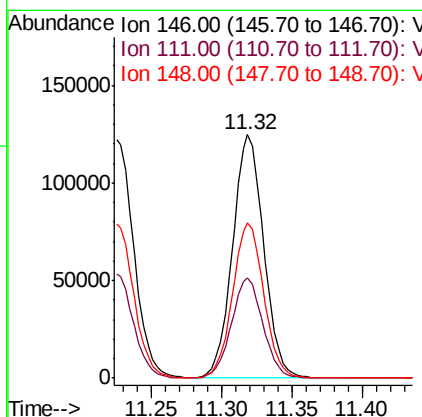
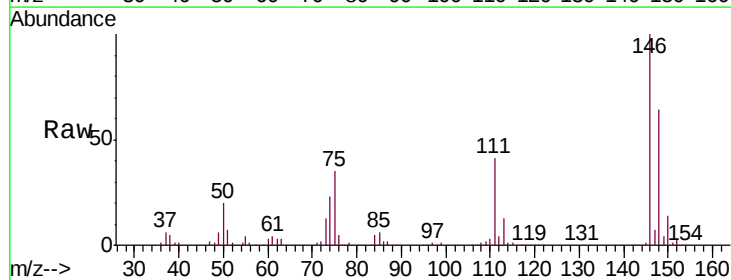
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

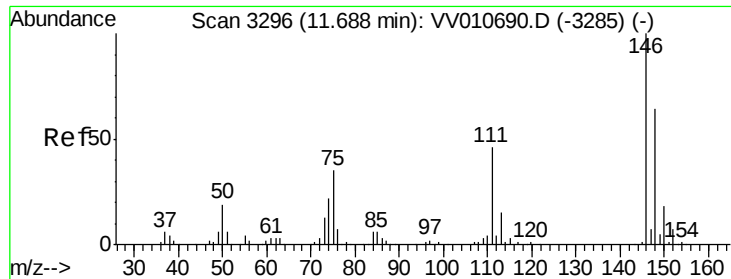
Tgt Ion:146 Resp: 192029
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.6 56.8
 148 64.7 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 51.875 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion:146 Resp: 193377
 Ion Ratio Lower Upper
 146 100
 111 41.1 27.4 50.8
 148 63.7 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 52.345 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

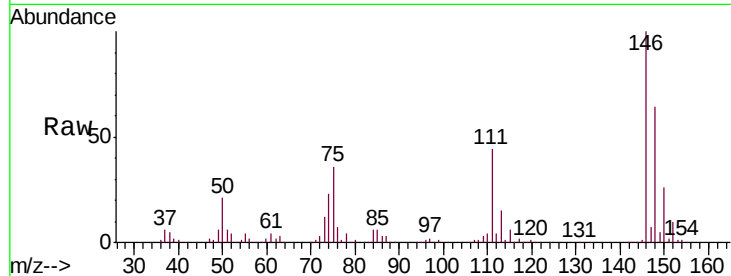
Tgt Ion: 146 Resp: 185538

Ion Ratio Lower Upper

146 100

111 44.2 37.0 55.4

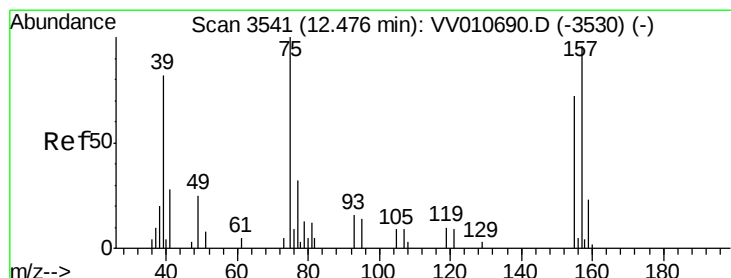
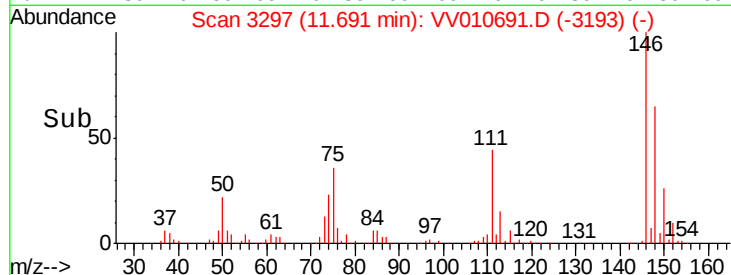
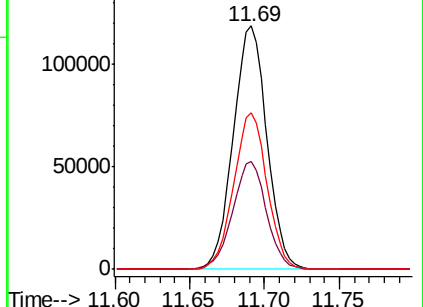
148 64.5 51.3 76.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 52.143 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

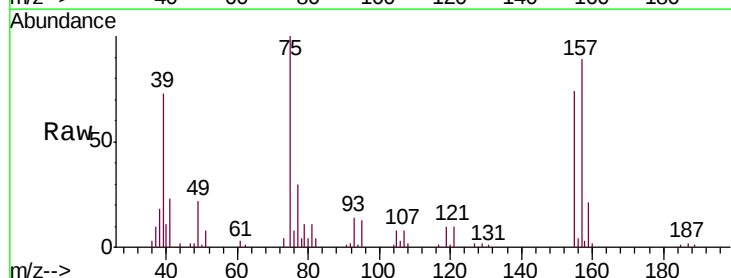
Tgt Ion: 75 Resp: 17150

Ion Ratio Lower Upper

75 100

157 88.6 76.9 115.3

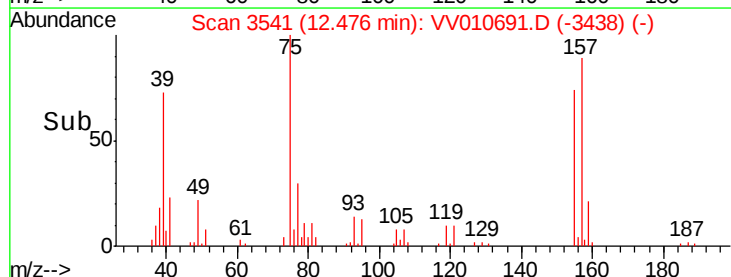
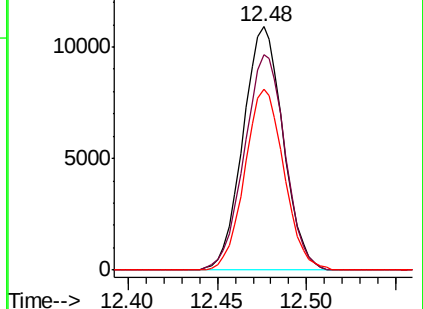
155 74.5 57.9 86.9

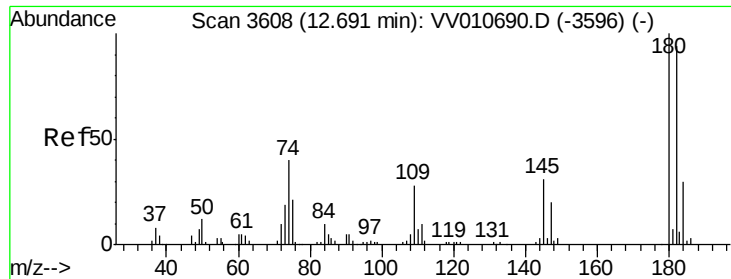


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

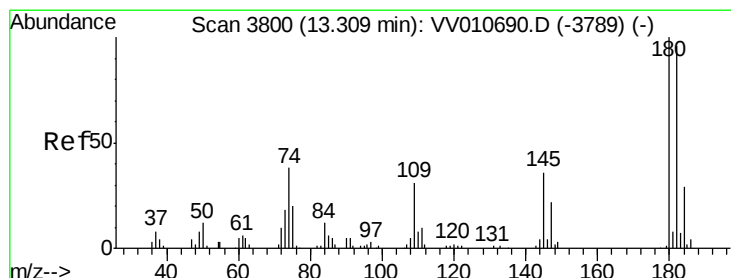
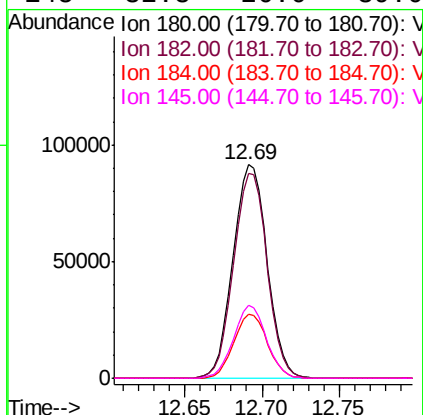
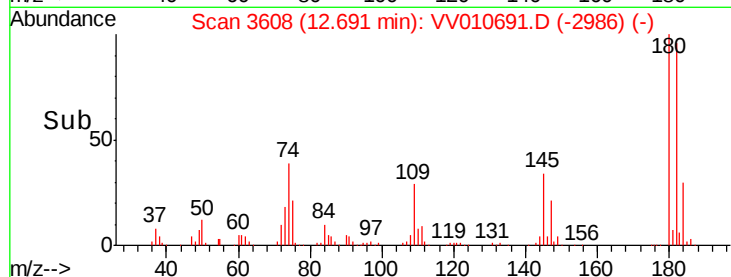
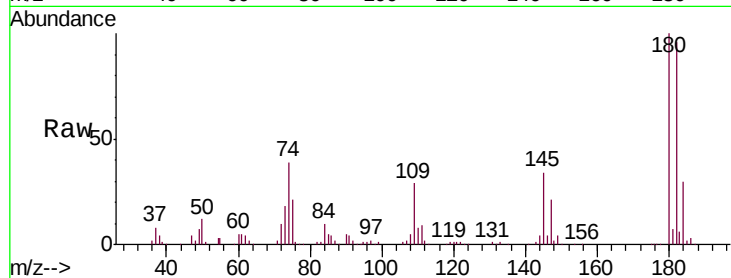




#67
 1,3,5-Trichlorobenzene
 Concen: 53.265 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

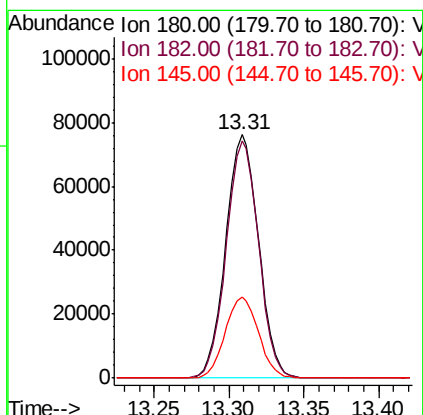
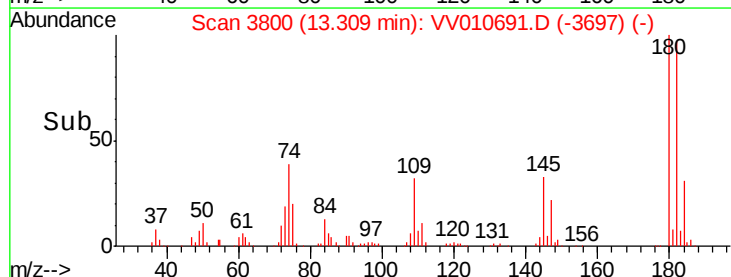
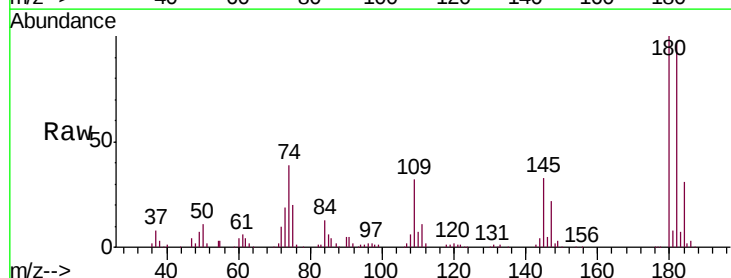
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

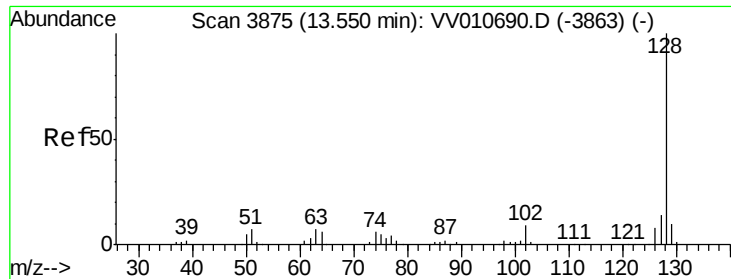
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.7	112.1
184	29.6	23.7	35.5
145	32.8	26.0	39.0



#68
 1,2,4-trichlorobenzene
 Concen: 57.335 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010691.D
 Acq: 07 May 2019 12:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.1	115.7
145	33.7	28.3	42.5





#69

Naphthalene

Concen: 60.584 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

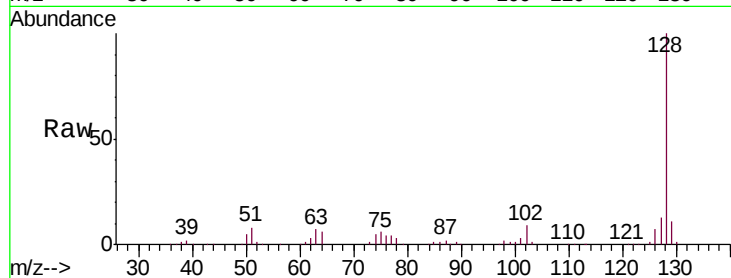
Tgt Ion:128 Resp: 263771

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

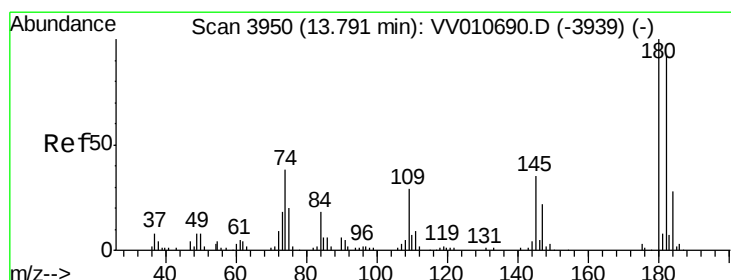
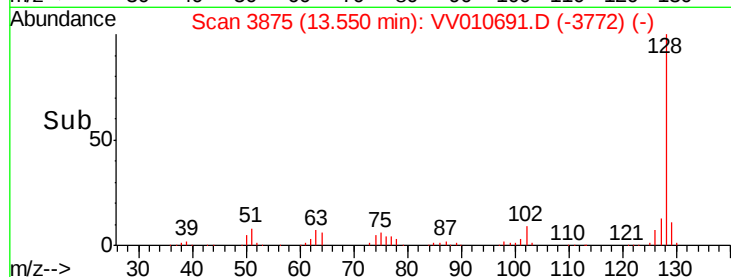
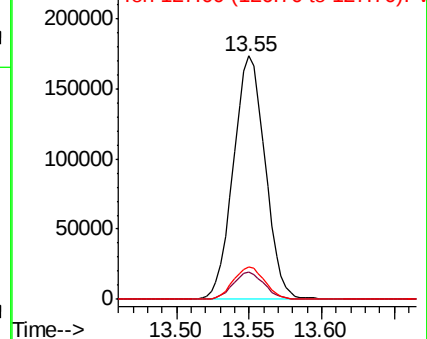
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 57.551 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010691.D

Acq: 07 May 2019 12:40

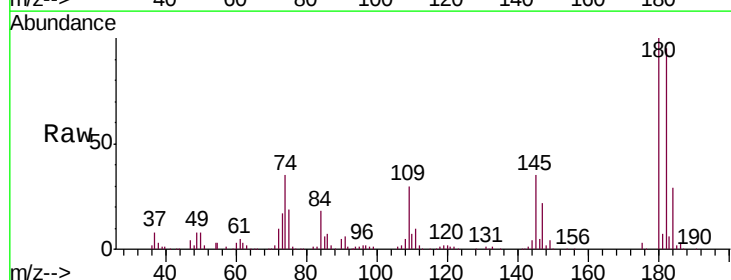
Tgt Ion:180 Resp: 109806

Ion Ratio Lower Upper

180 100

182 94.8 74.3 111.5

145 36.0 28.5 42.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

