

Data File : VV010690.D
Acq On : 07 May 2019 12:12
Operator : SY/MD
Sample : VSTD02563
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

Quant Time: May 08 02:31:23 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	94688	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	98107	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46941	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37836	25.72	ug/L	0.00
7) Chloroethane-d5	1.57	69	31233	25.80	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	80885	25.35	ug/L	0.00
20) 2-Butanone-d5	3.93	46	24387	53.78	ug/L	0.00
24) Chloroform-d	4.40	84	62886	24.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	39716	24.63	ug/L	0.00
29) Benzene-d6	5.10	84	126771	24.55	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	39381	23.93	ug/L	0.00
37) Toluene-d8	7.36	98	122854	24.84	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	18258	24.34	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	18678	54.25	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	39132	25.31	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	44913	24.70	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	36146	27.563 ug/L	100
3) Chloromethane	1.25	50	42149	26.421 ug/L	100
5) Vinyl chloride	1.32	62	50099	27.046 ug/L	100
6) Bromomethane	1.51	94	27224	30.305 ug/L	100
8) Chloroethane	1.59	64	30832	26.727 ug/L	100
9) Trichlorofluoromethane	1.76	101	76148	27.308 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43580	27.375 ug/L	100
12) 1,1-Dichloroethene	2.14	96	40204	26.970 ug/L	100
13) Acetone	2.19	43	42106	61.616 ug/L	100
14) Carbon disulfide	2.31	76	98694	26.942 ug/L	100
15) Methyl Acetate	2.46	43	22195	27.188 ug/L	100
16) Methylene chloride	2.53	84	36993	25.267 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	101572	27.211 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	36309	26.946 ug/L	100
19) 1,1-Dichloroethane	3.23	63	68062	26.164 ug/L	100
21) 2-Butanone	4.01	43	40319	61.384 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	40384	26.236 ug/L	100
23) Bromochloromethane	4.30	128	19243	27.811 ug/L	100
25) Chloroform	4.42	83	76385	26.654 ug/L	100
27) 1,2-Dichloroethane	5.18	62	55419	26.457 ug/L	100
30) Cyclohexane	4.72	56	65698	26.700 ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	64856	26.513 ug/L	100
32) Carbon tetrachloride	4.87	117	56809	26.661 ug/L	100
34) Benzene	5.15	78	151265	26.265 ug/L	100
35) Trichloroethene	5.96	95	43404	26.905 ug/L	100
36) Methylcyclohexane	6.17	83	68276	26.407 ug/L	100
40) 1,2-Dichloropropane	6.22	63	40681	26.553 ug/L	100
41) Bromodichloromethane	6.55	83	56538	26.857 ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	66238	27.334 ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	71918	55.766 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	175953	26.900	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	55396	27.148	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	32512	25.831	ug/L	100
47) Tetrachloroethene	8.02	164	31576	27.027	ug/L	100
49) 2-Hexanone	8.18	43	59958	61.151	ug/L	100
50) Dibromochloromethane	8.29	129	40131	27.727	ug/L	100
51) 1,2-Dibromoethane	8.40	107	33395	27.471	ug/L	100
52) Chlorobenzene	8.92	112	114031	26.684	ug/L	100
53) Ethylbenzene	9.05	91	207452	27.353	ug/L	100
54) m,p-Xylene	9.18	106	76514	27.003	ug/L	100
55) o-xylene	9.59	106	77070	27.422	ug/L	100
56) Styrene	9.60	104	130614	27.476	ug/L	100
57) Isopropylbenzene	9.97	105	208608	27.819	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	45130	27.368	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	36234	28.155	ug/L	100
62) Bromoform	9.78	173	21448	26.833	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	87940	26.913	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	90089	26.991	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	85063	26.803	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	7845	26.640	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	64409	27.365	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	51176	28.100	ug/L	100
69) Naphthalene	13.55	128	116894	29.987	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	49834	29.171	ug/L	100

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

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ClientSampleId :
VSTD02563

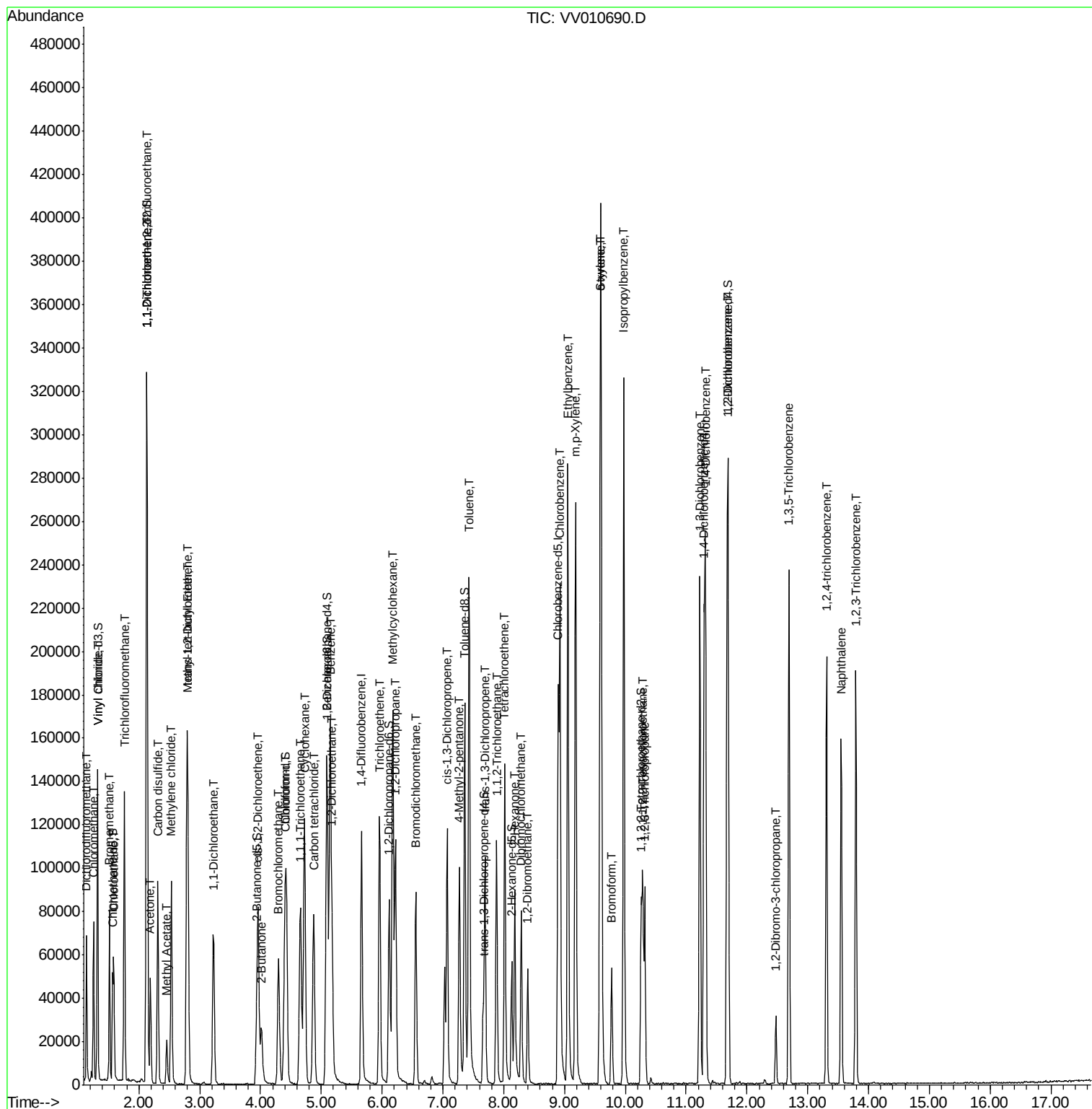
Quant Time: May 08 02:31:23 2019

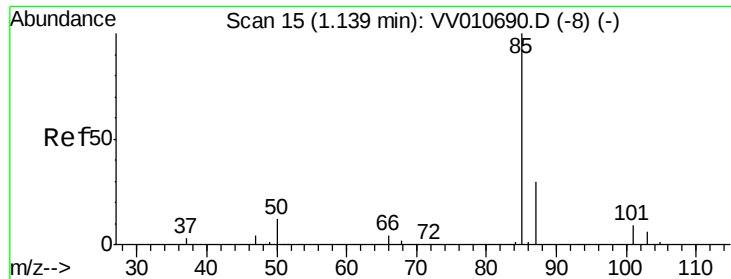
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050719S.M

Quant Title : VOC Analysis

QLast Update : Wed May 08 02:27:44 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 27.563 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

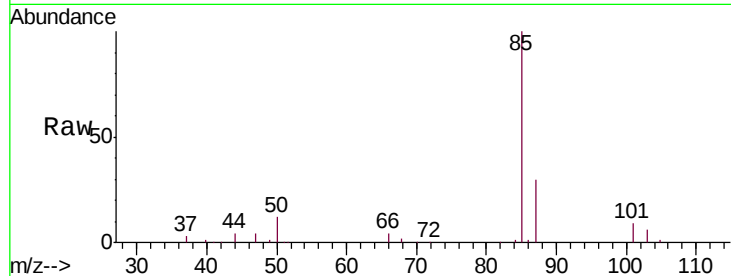
VSTD02563

Tgt Ion: 85 Resp: 36146

Ion Ratio Lower Upper

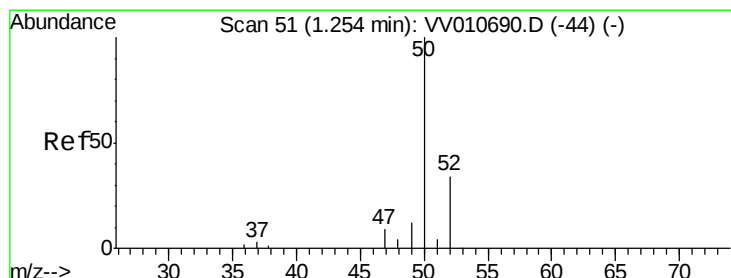
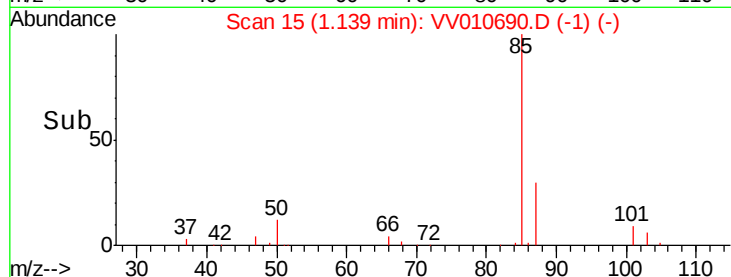
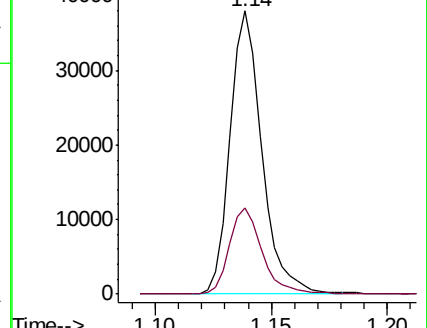
85 100

87 31.3 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) (-)



#3

Chloromethane

Concen: 26.421 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010690.D

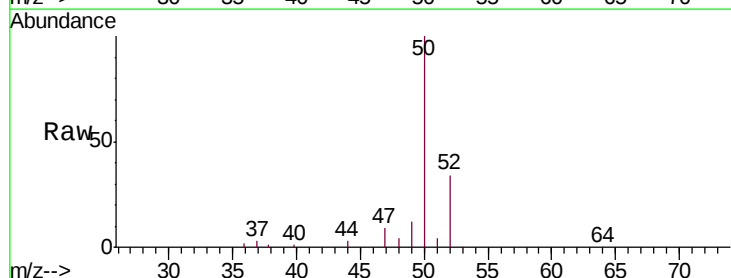
Acq: 07 May 2019 12:12

Tgt Ion: 50 Resp: 42149

Ion Ratio Lower Upper

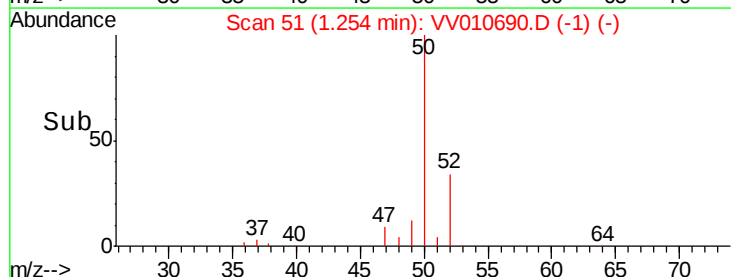
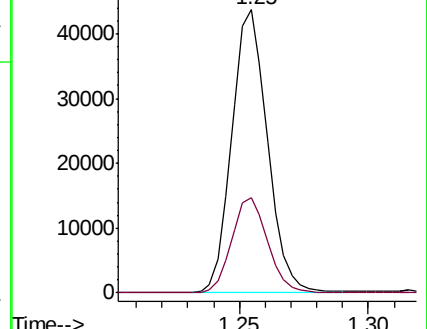
50 100

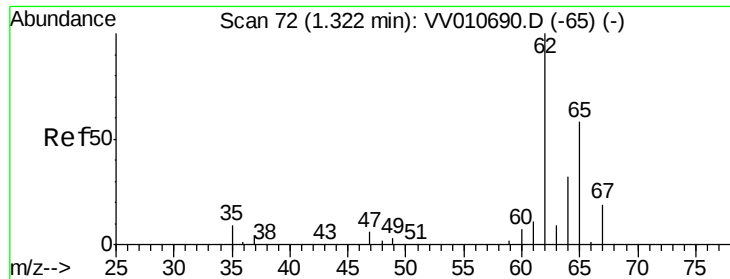
52 33.8 23.7 43.9



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

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





#5

Vinyl chloride

Concen: 27.046 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

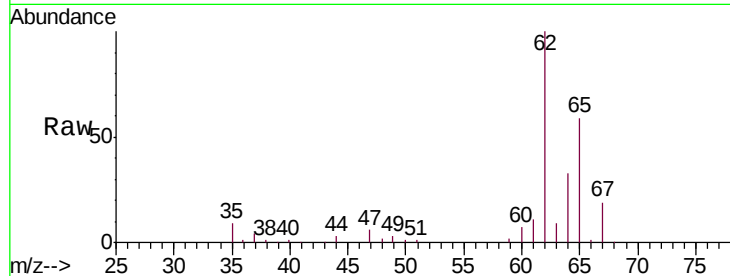
VSTD02563

Tgt Ion: 62 Resp: 50099

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5

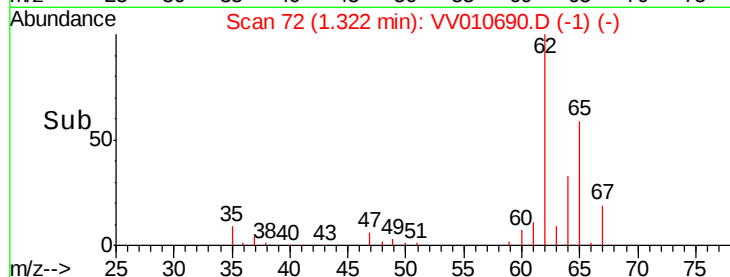


Abundance Ion 62.00 (61.70 to 62.70): VV010690.D (-65) (-)

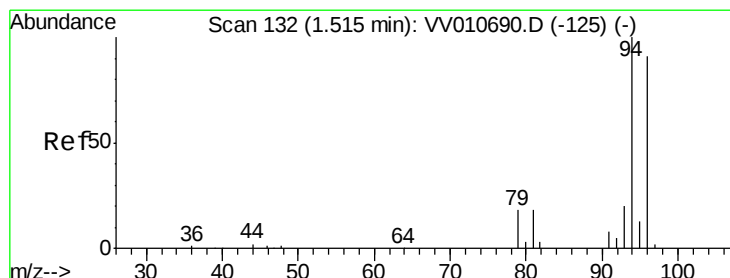
Ion 64.00 (63.70 to 64.70): VV010690.D (-65) (-)

1.32

1.35



Time-->



#6

Bromomethane

Concen: 30.305 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV010690.D

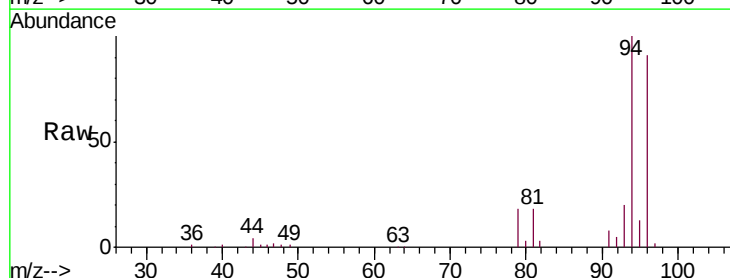
Acq: 07 May 2019 12:12

Tgt Ion: 94 Resp: 27224

Ion Ratio Lower Upper

94 100

96 94.2 9.4 179.0

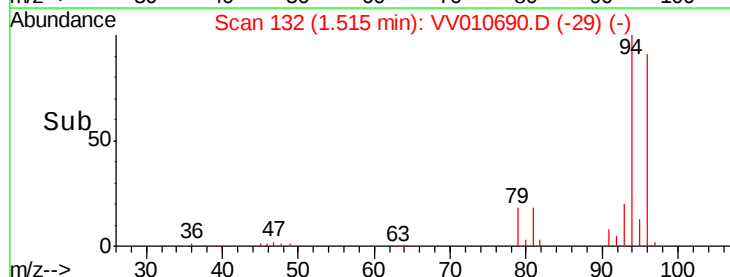


Abundance Ion 94.00 (93.70 to 94.70): VV010690.D (-125) (-)

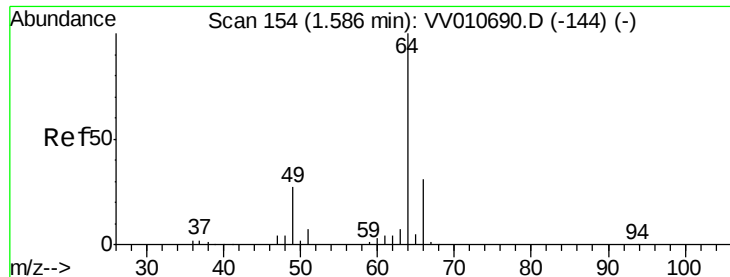
Ion 96.00 (95.70 to 96.70): VV010690.D (-125) (-)

1.51

1.55



Time-->



#8

Chloroethane

Concen: 26.727 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

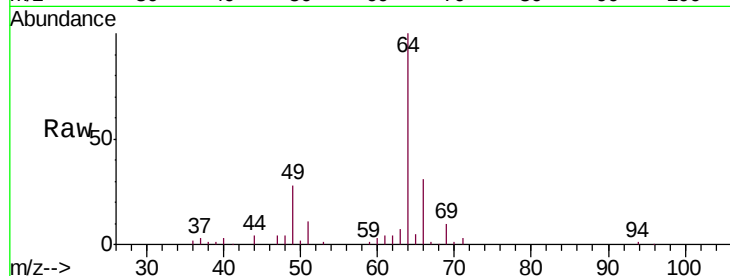
VSTD02563

Tgt Ion: 64 Resp: 30832

Ion Ratio Lower Upper

64 100

66 31.1 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV010690.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV010690.D (-144) (-)

1.59

25000

20000

15000

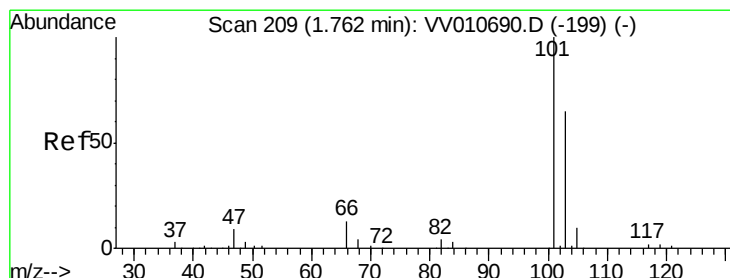
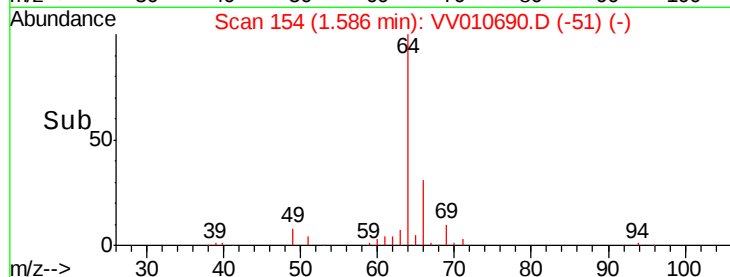
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 27.308 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV010690.D

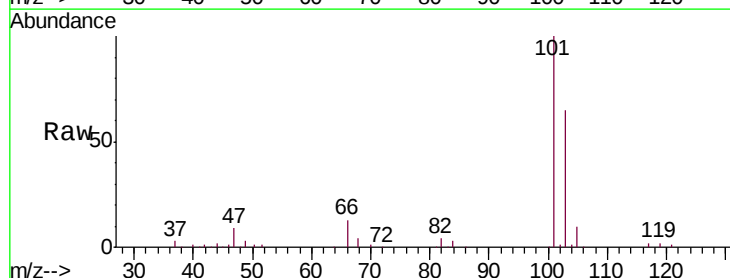
Acq: 07 May 2019 12:12

Tgt Ion: 101 Resp: 76148

Ion Ratio Lower Upper

101 100

103 63.8 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV010690.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV010690.D (-199) (-)

1.76

60000

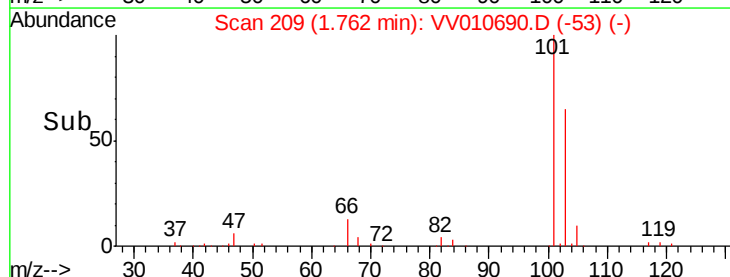
40000

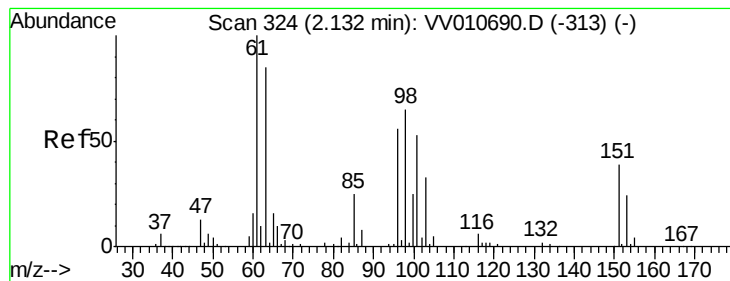
20000

0

Time-->

1.70 1.75 1.80 1.85





#11

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

Concen: 27.375 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

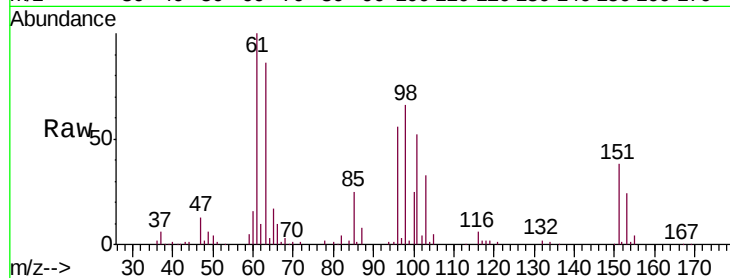
Tgt Ion: 101 Resp: 43580

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

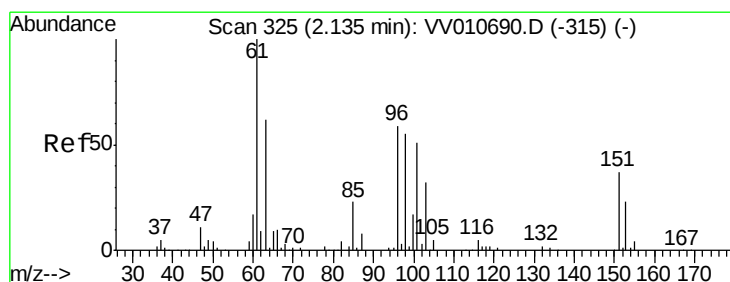
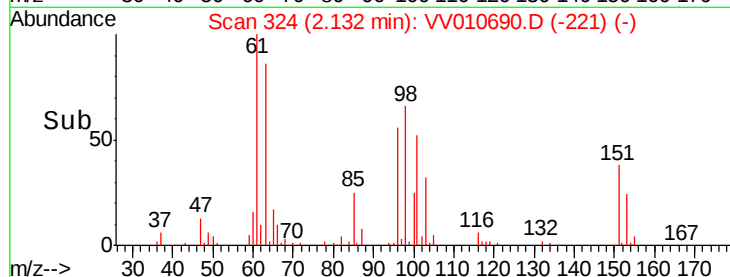
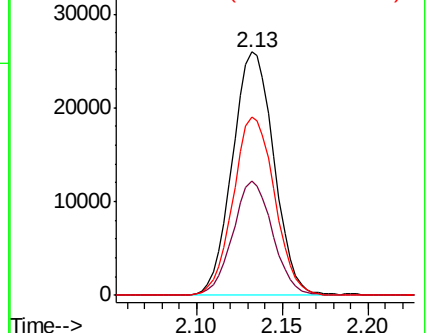
151 73.1 58.5 87.7



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: 26.970 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

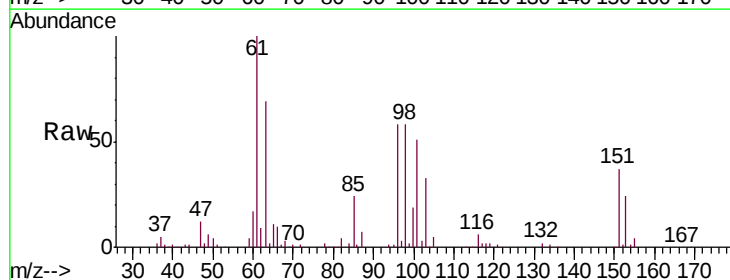
Tgt Ion: 96 Resp: 40204

Ion Ratio Lower Upper

96 100

61 171.8 120.3 223.3

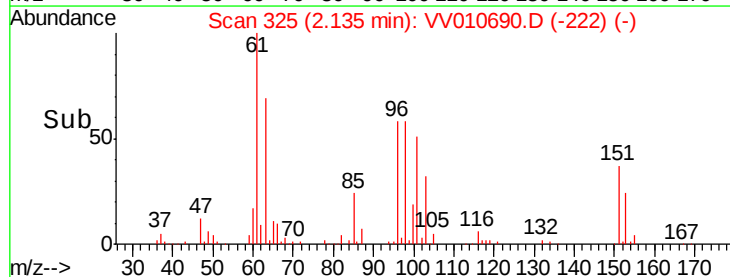
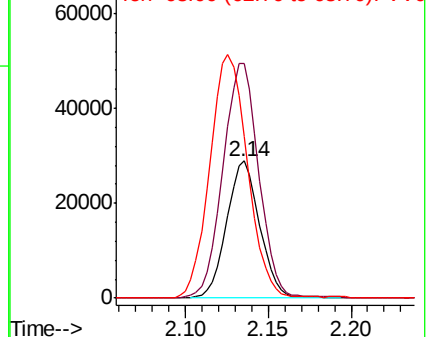
63 118.4 82.9 153.9

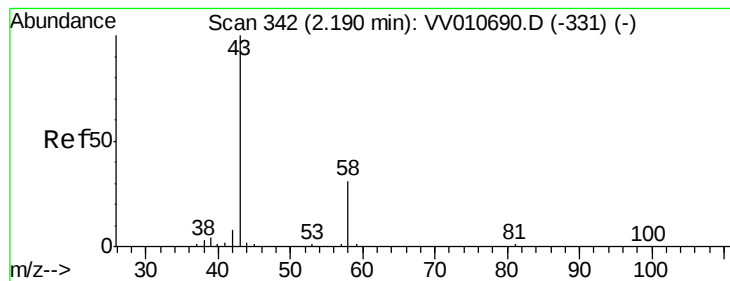


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 61.616 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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ClientSampleId :

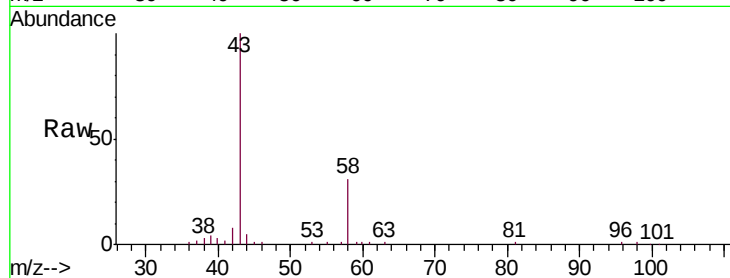
VSTD02563

Tgt Ion: 43 Resp: 42106

Ion Ratio Lower Upper

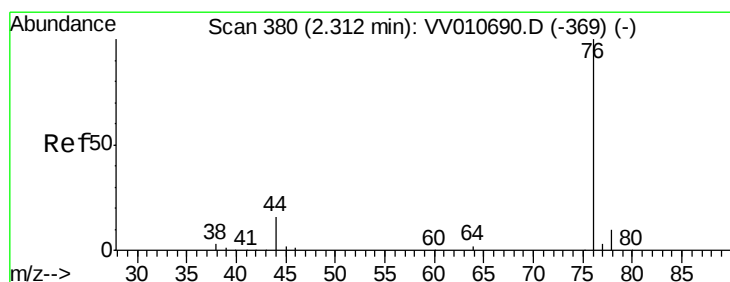
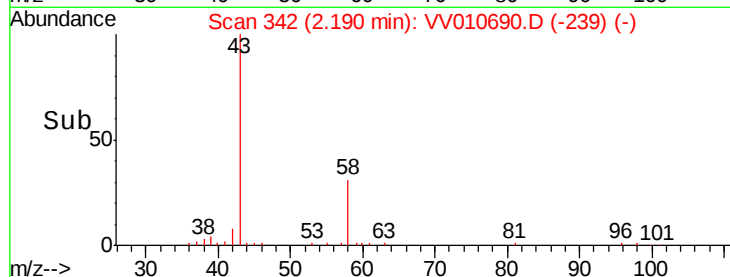
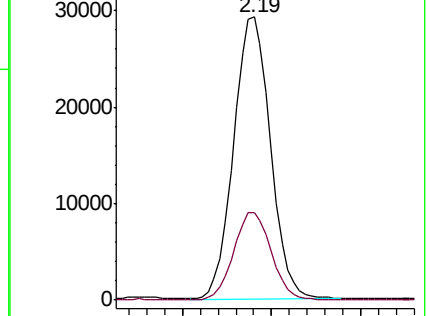
43 100

58 31.7 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010690.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010690.D (-331) (-)



#14

Carbon disulfide

Concen: 26.942 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010690.D

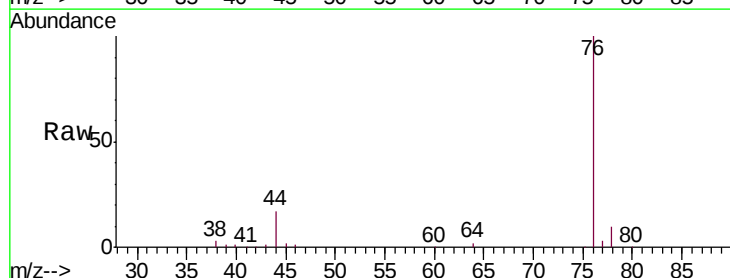
Acq: 07 May 2019 12:12

Tgt Ion: 76 Resp: 98694

Ion Ratio Lower Upper

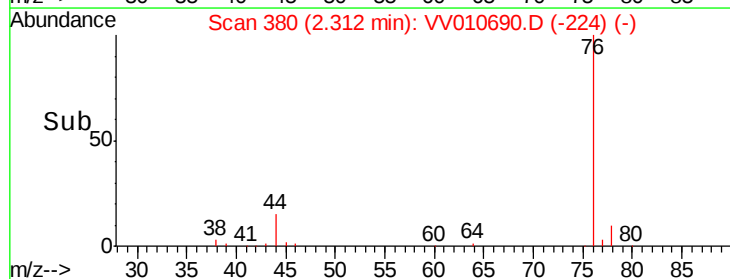
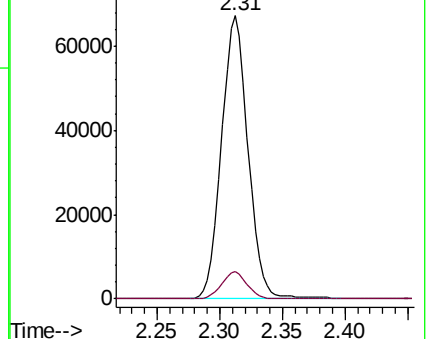
76 100

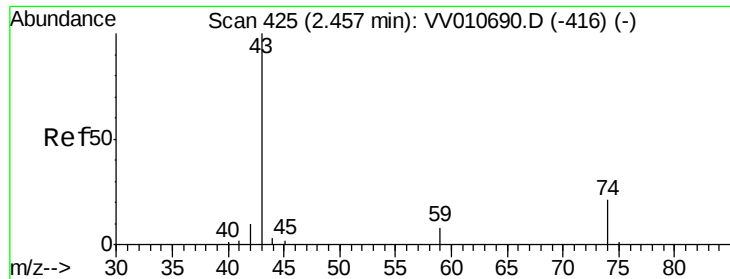
78 9.8 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VV010690.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010690.D (-369) (-)

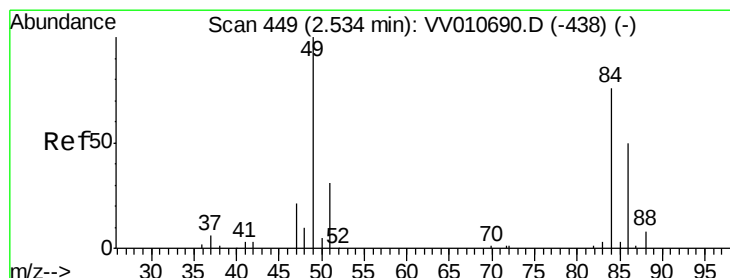
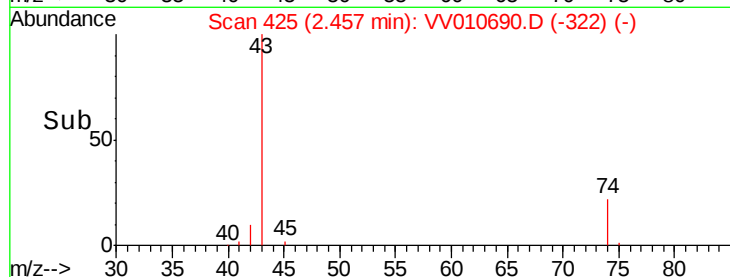
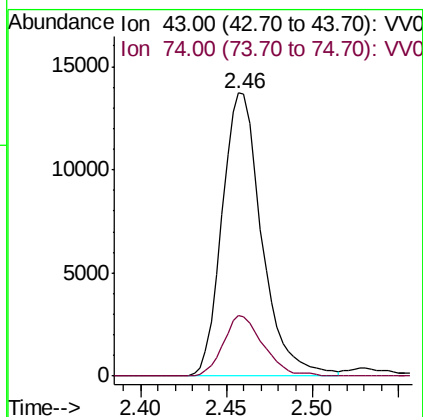
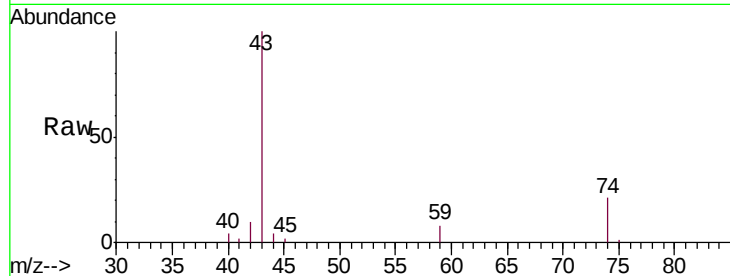




#15
Methyl Acetate
Concen: 27.188 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

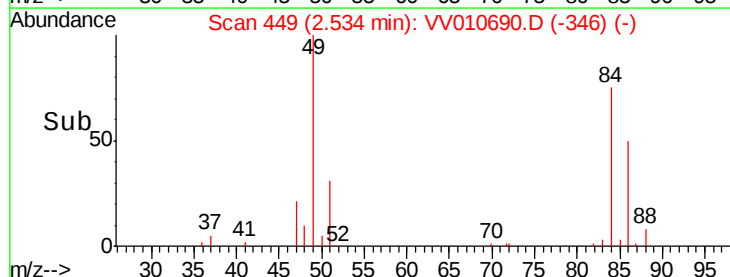
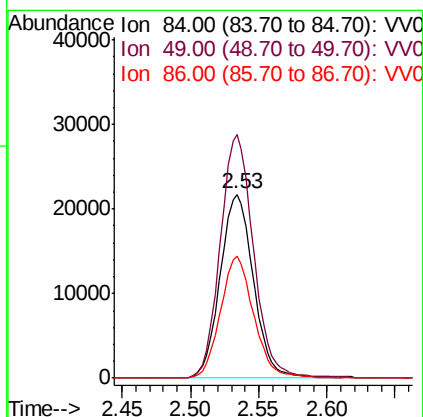
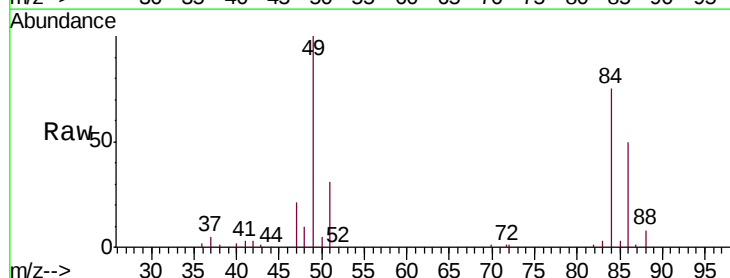
Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

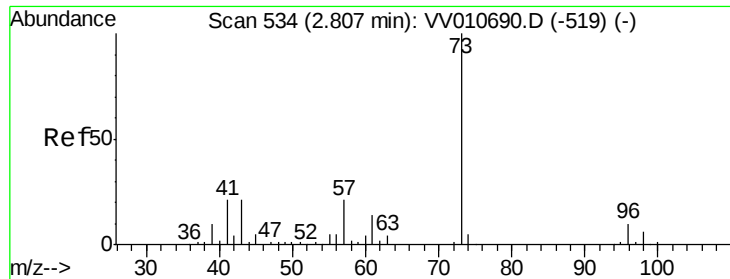
Tgt Ion: 43 Resp: 22195
Ion Ratio Lower Upper
43 100
74 21.2 17.0 25.4



#16
Methylene chloride
Concen: 25.267 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

Tgt Ion: 84 Resp: 36993
Ion Ratio Lower Upper
84 100
49 132.7 92.9 172.5
86 66.5 46.5 86.5

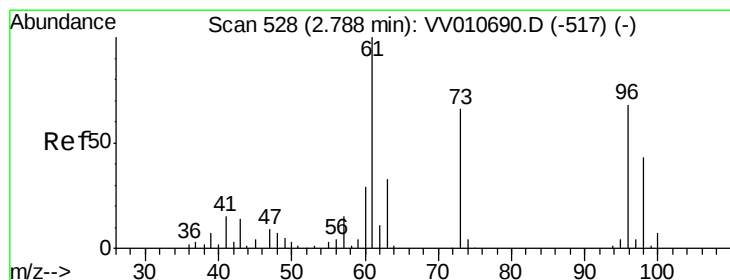
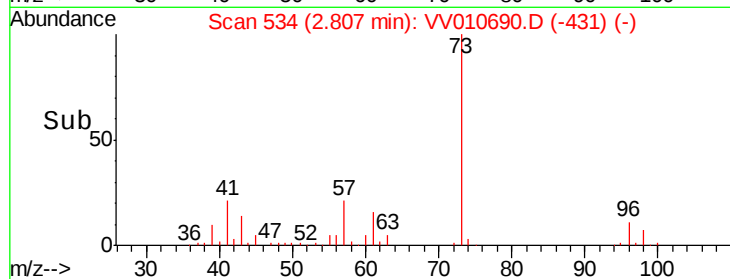
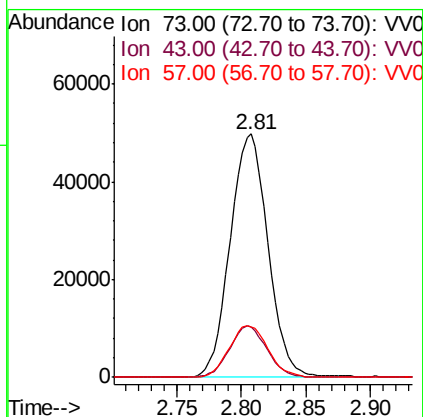
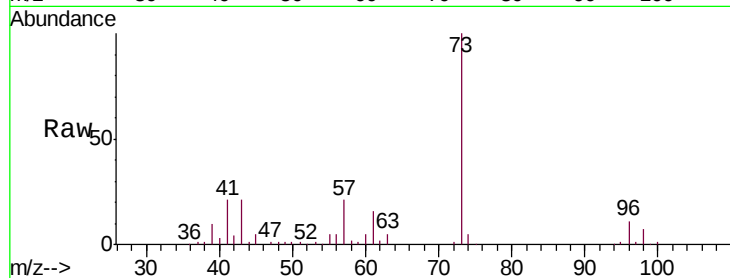




#17
Methyl tert-butyl Ether
Concen: 27.211 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

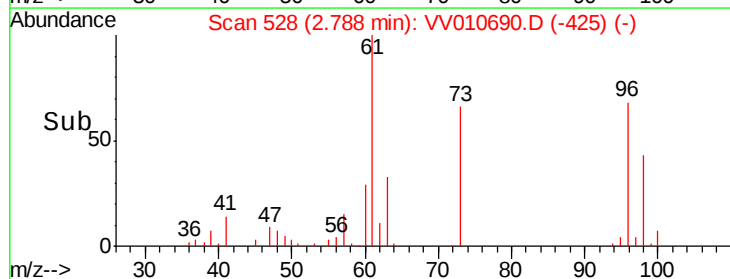
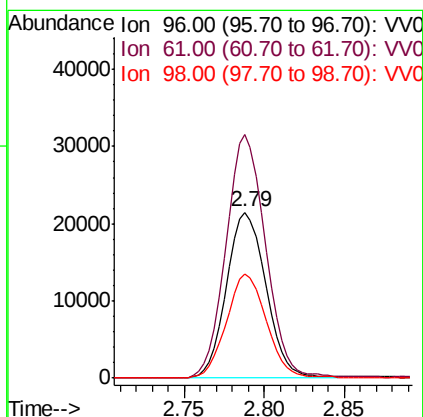
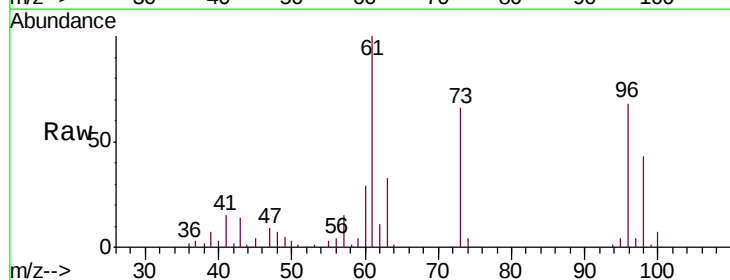
Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

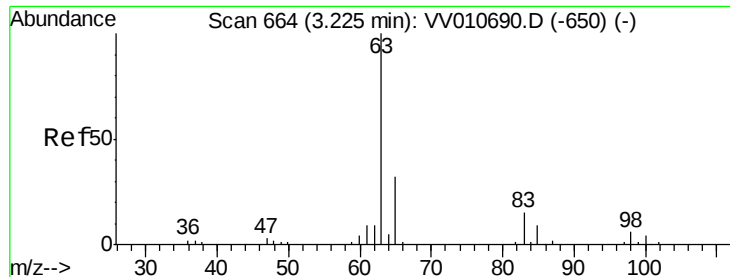
Tgt Ion: 73 Resp: 101572
Ion Ratio Lower Upper
73 100
43 20.8 16.6 25.0
57 21.8 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 26.946 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

Tgt Ion: 96 Resp: 36309
Ion Ratio Lower Upper
96 100
61 146.8 102.8 190.8
98 62.8 44.0 81.6

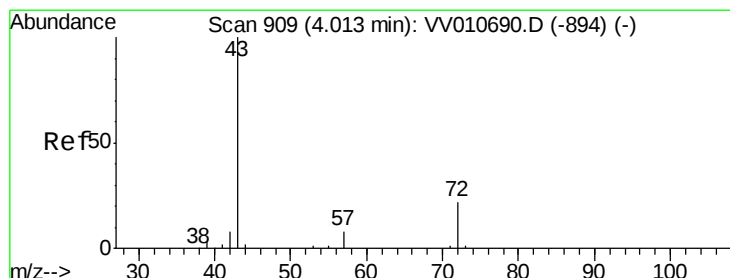
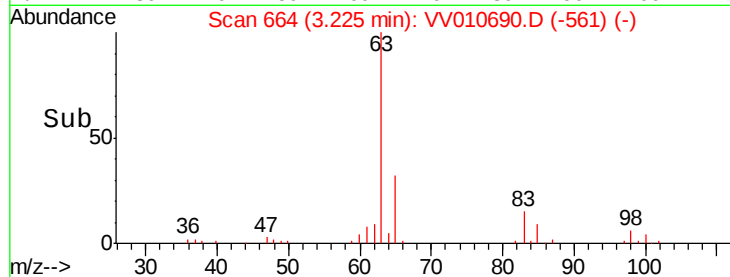
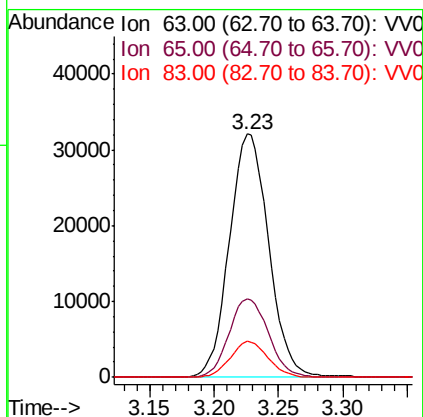
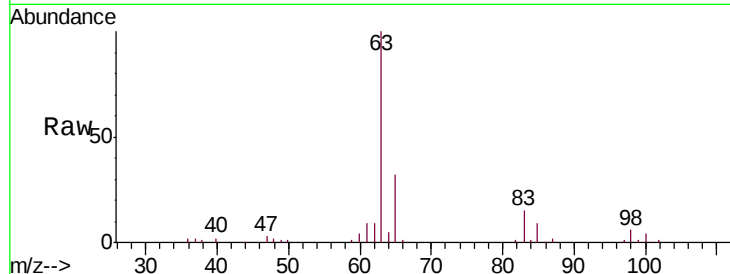




#19
 1,1-Dichloroethane
 Concen: 26.164 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

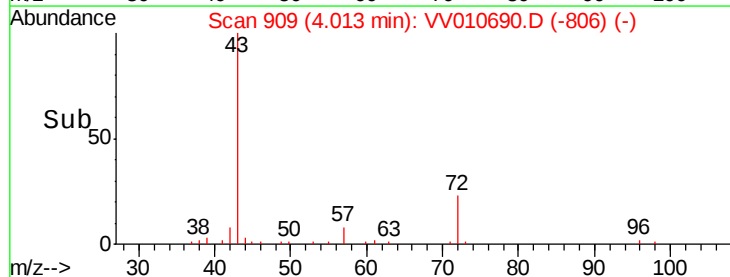
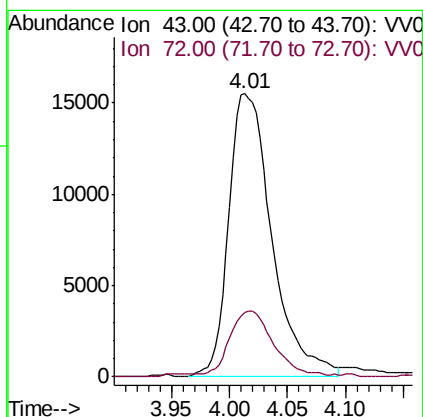
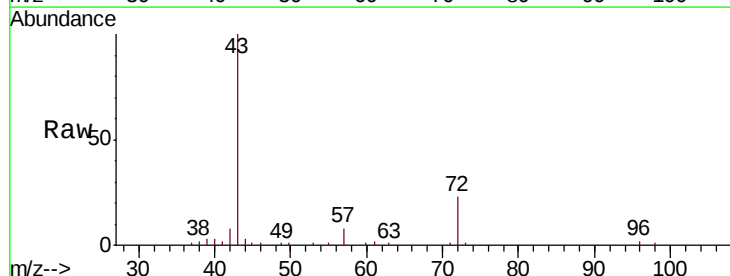
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

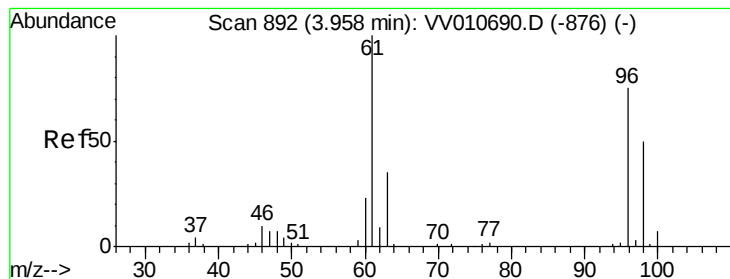
Tgt Ion: 63 Resp: 68062
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 14.7 10.3 19.1



#21
 2-Butanone
 Concen: 61.384 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Tgt Ion: 43 Resp: 40319
 Ion Ratio Lower Upper
 43 100
 72 22.4 11.2 33.6



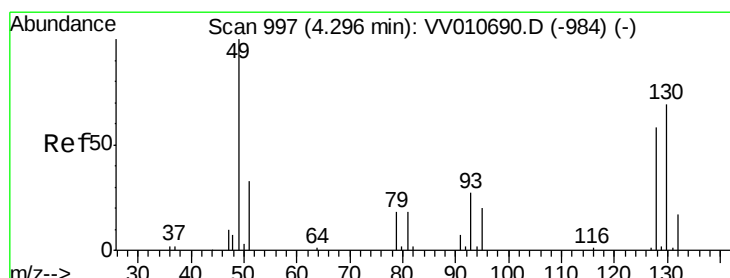
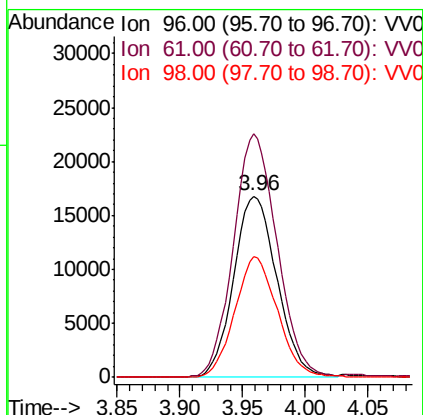
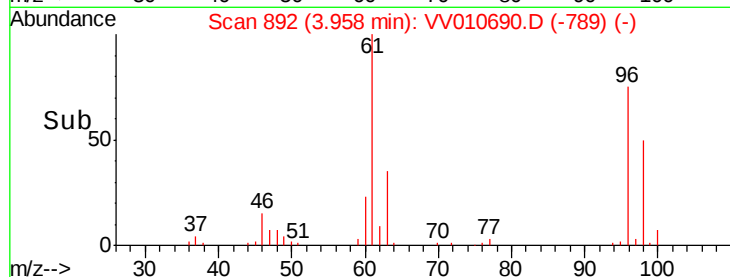
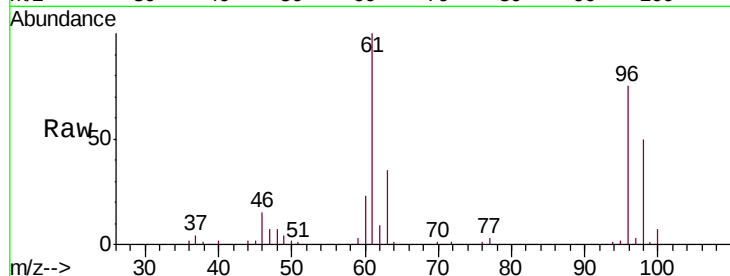


#22

cis-1,2-Dichloroethene
 Concen: 26.236 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

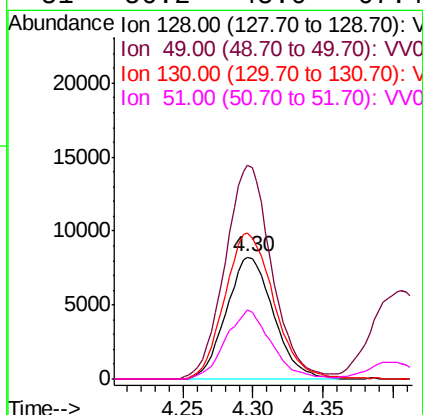
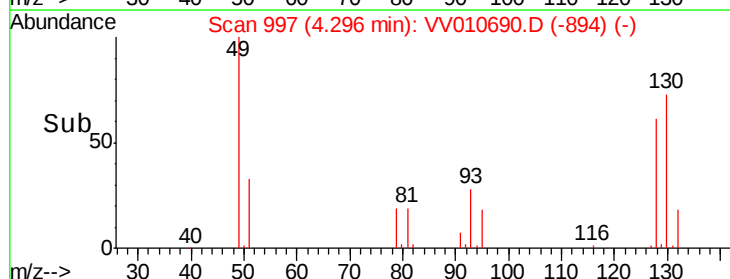
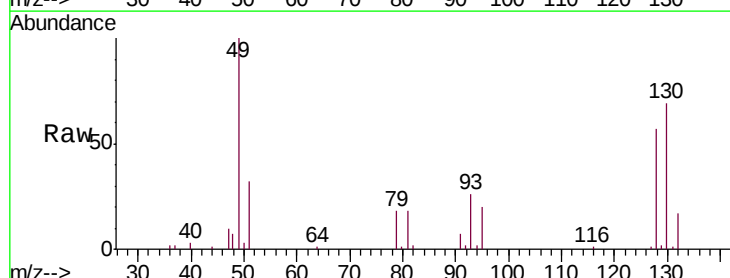
Tgt Ion: 96 Resp: 40384
 Ion Ratio Lower Upper
 96 100
 61 134.2 93.9 174.5
 98 66.5 46.5 86.5

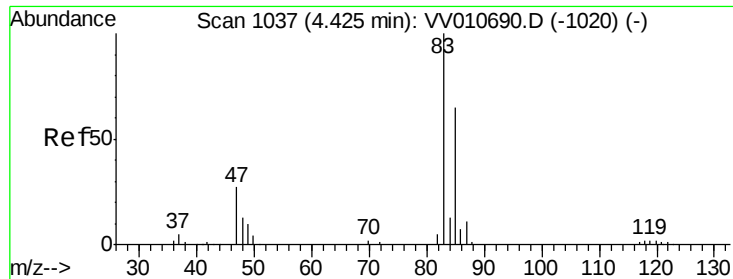


#23

Bromochloromethane
 Concen: 27.811 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Tgt Ion: 128 Resp: 19243
 Ion Ratio Lower Upper
 128 100
 49 175.2 122.6 227.8
 130 120.0 84.0 156.0
 51 56.2 45.0 67.4

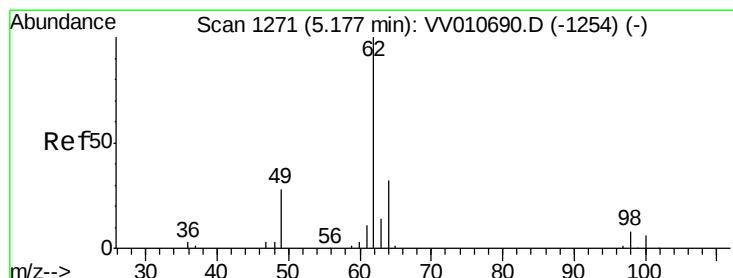
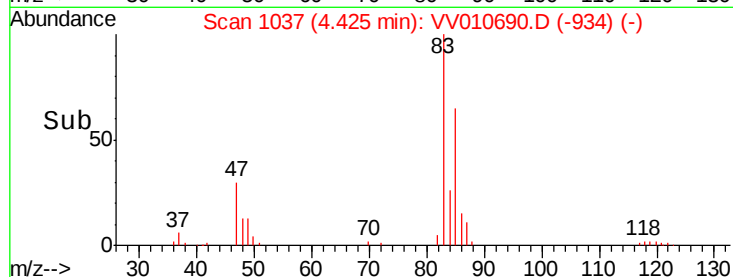
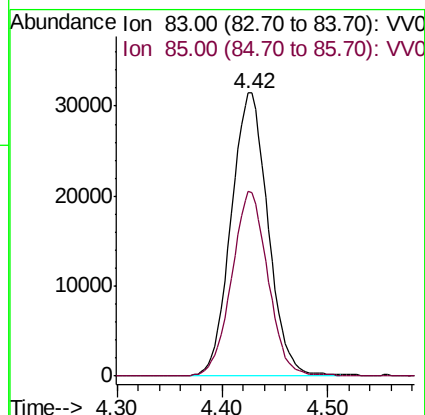
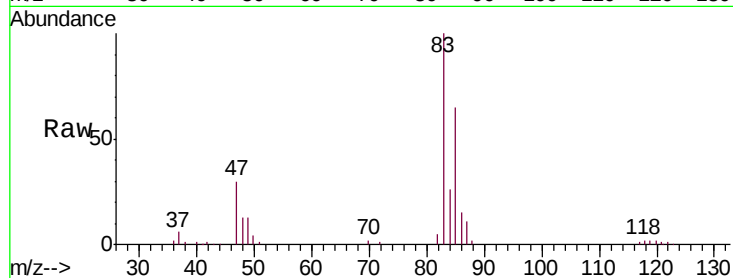




#25
Chloroform
Concen: 26.654 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

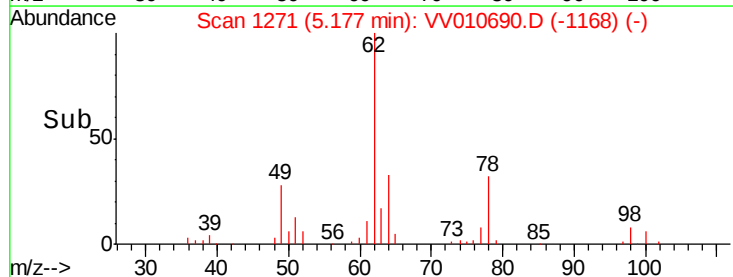
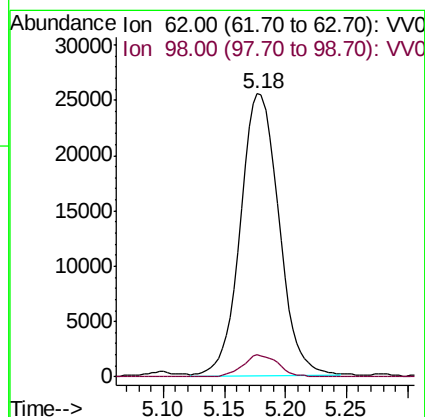
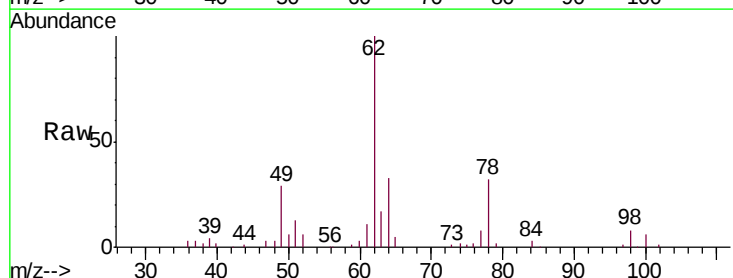
Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

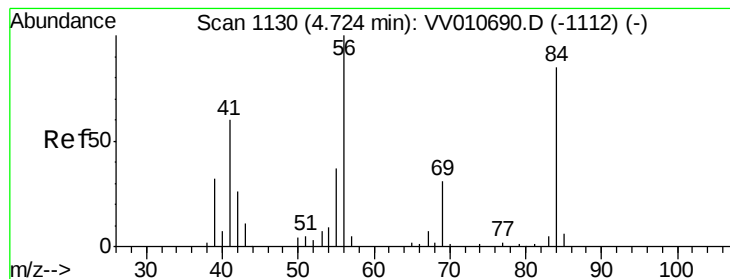
Tgt Ion: 83 Resp: 76385
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 26.457 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

Tgt Ion: 62 Resp: 55419
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#30

Cyclohexane

Concen: 26.700 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

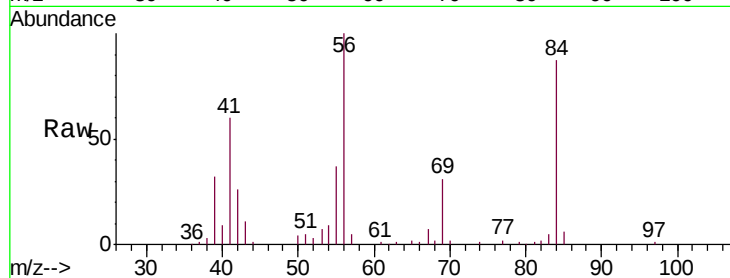
Tgt Ion: 56 Resp: 65698

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

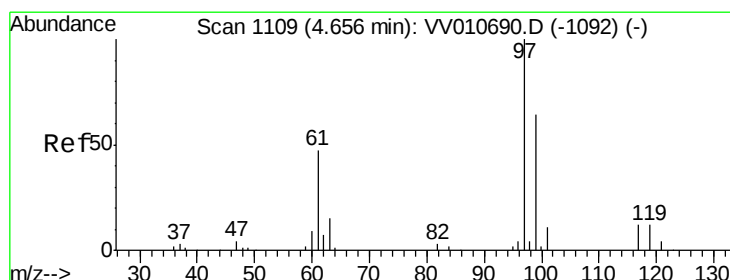
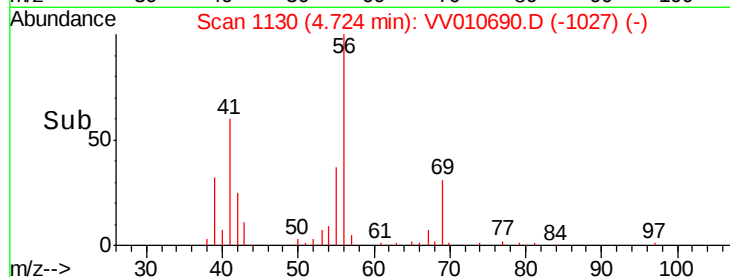
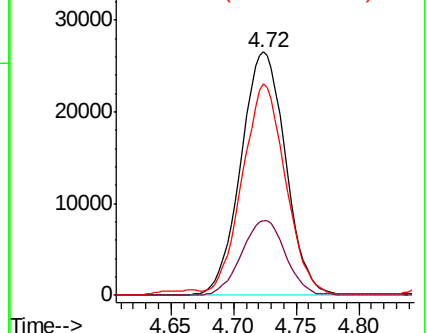
84 83.1 66.5 99.7



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 26.513 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

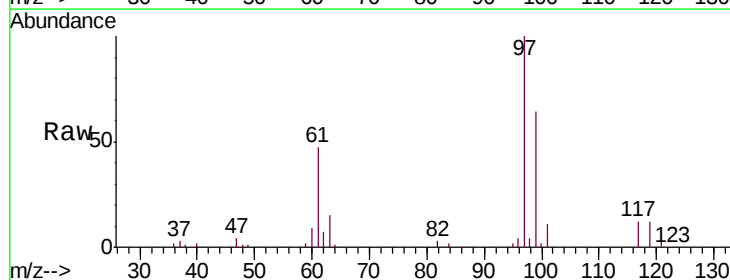
Tgt Ion: 97 Resp: 64856

Ion Ratio Lower Upper

97 100

99 62.7 50.2 75.2

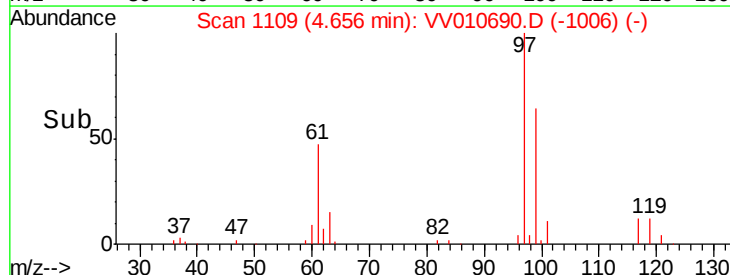
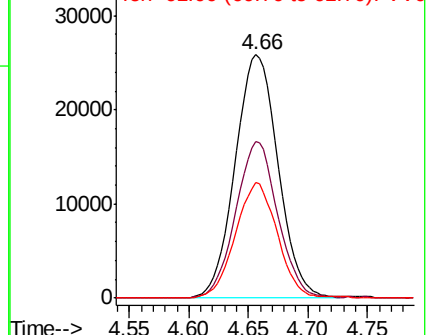
61 45.9 36.7 55.1

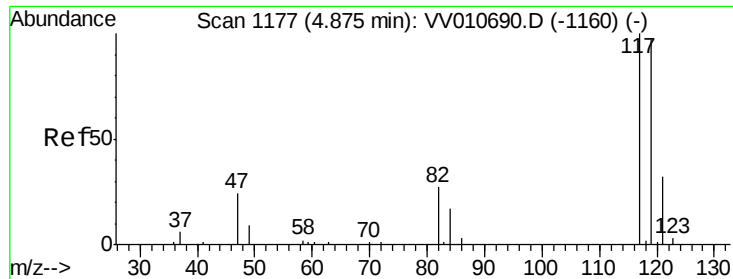


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 26.661 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

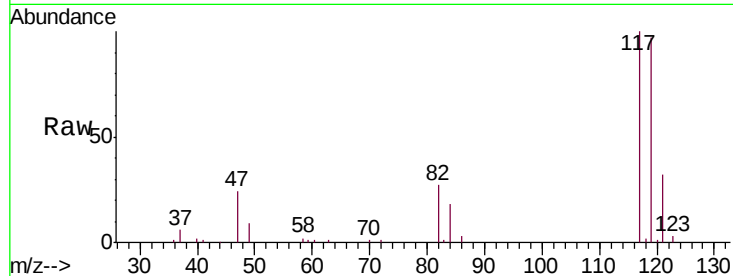
VSTD02563

Tgt Ion:117 Resp: 56809

Ion Ratio Lower Upper

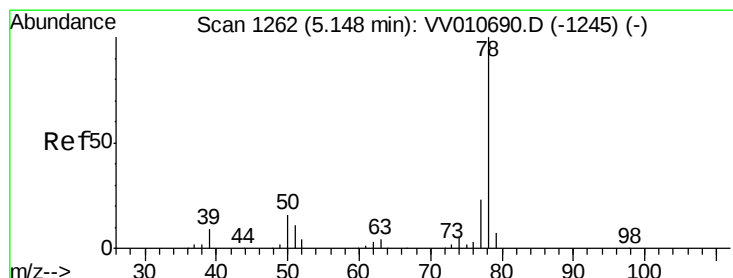
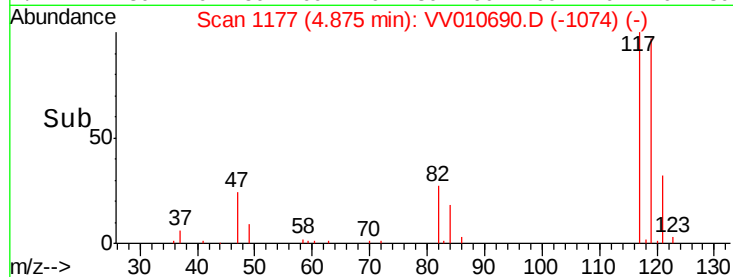
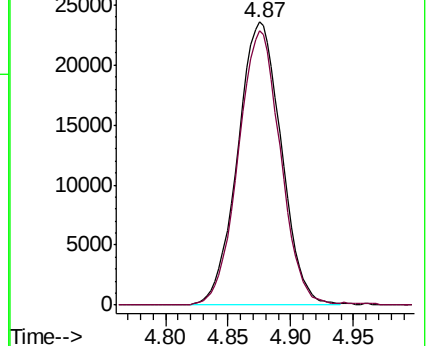
117 100

119 93.6 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.265 ug/L

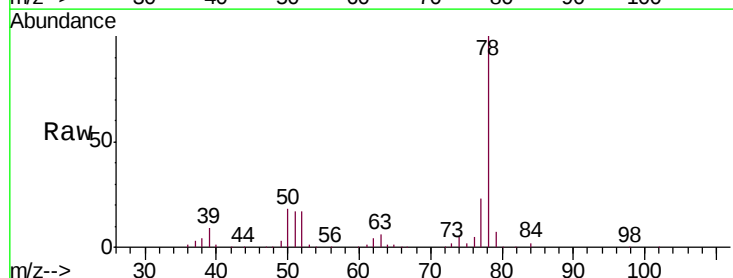
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

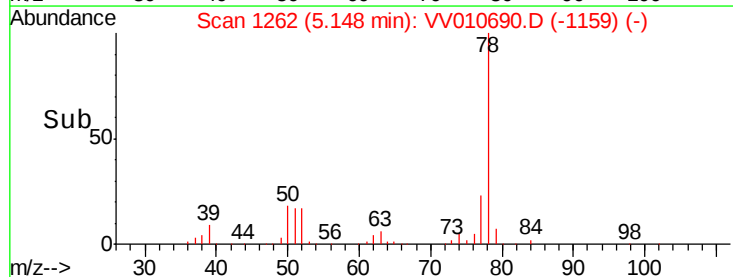
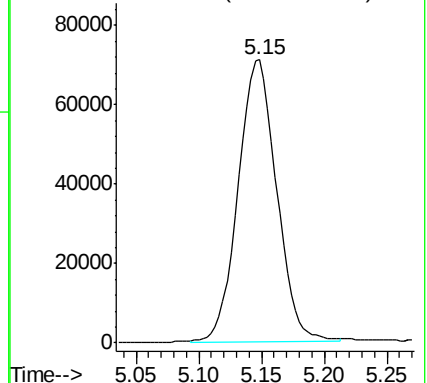
Lab File: VV010690.D

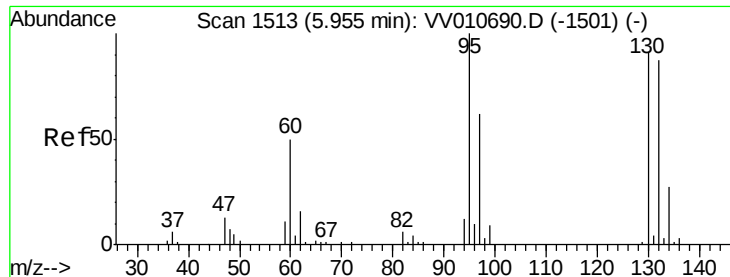
Acq: 07 May 2019 12:12

Tgt Ion: 78 Resp: 151265



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 26.905 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

Tgt Ion: 95 Resp: 43404

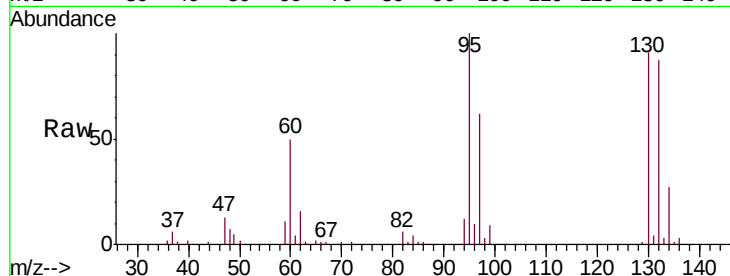
Ion Ratio Lower Upper

95 100

97 63.3 44.3 82.3

132 89.1 62.4 115.8

130 97.9 68.5 127.3

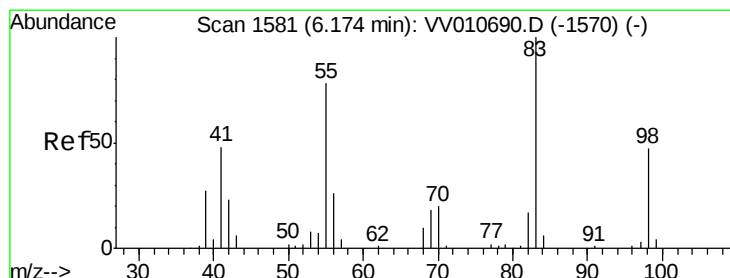
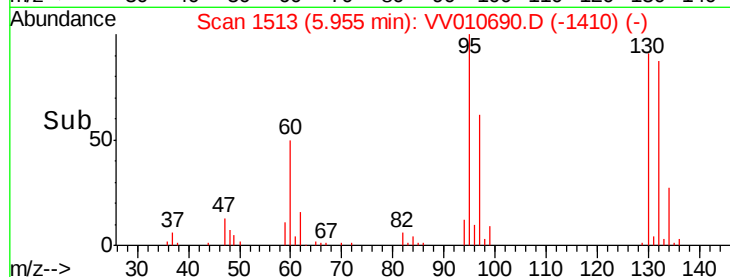
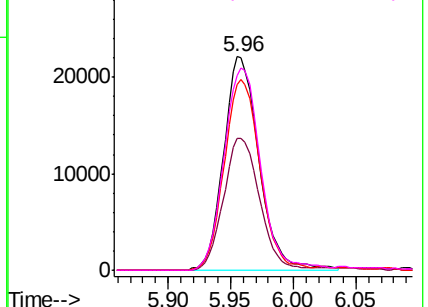


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 26.407 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

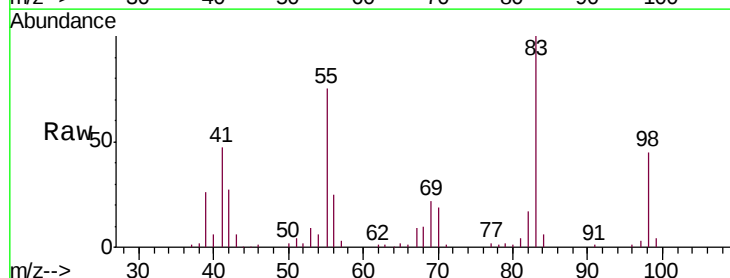
Tgt Ion: 83 Resp: 68276

Ion Ratio Lower Upper

83 100

55 80.7 64.6 96.8

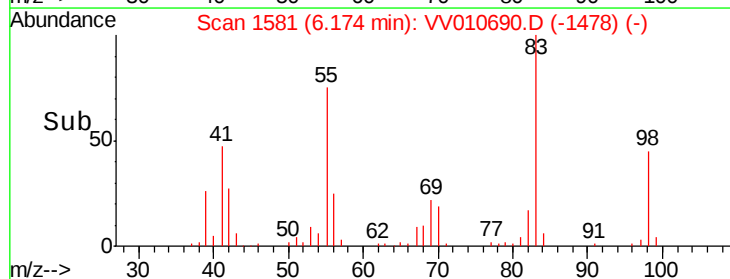
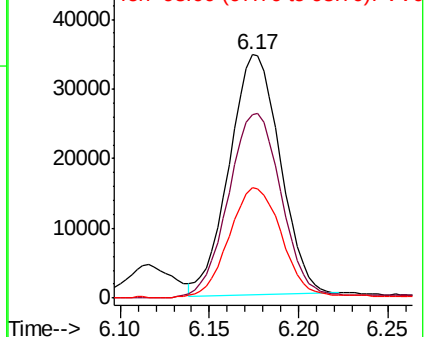
98 47.1 37.7 56.5

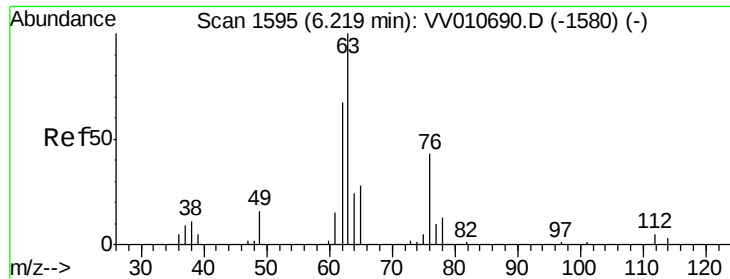


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

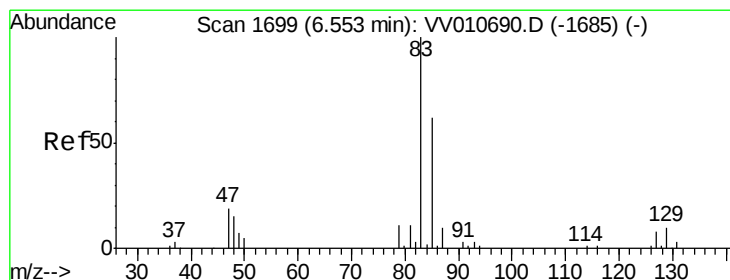
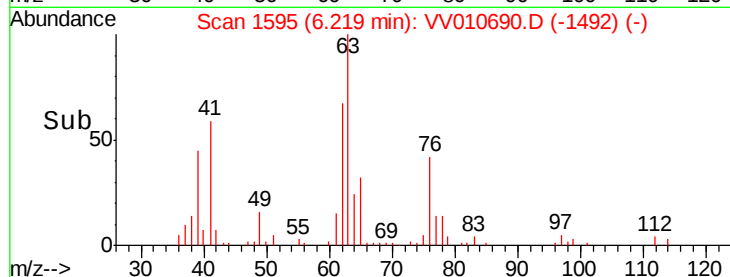
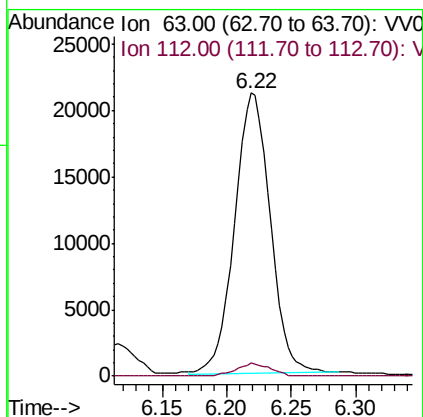
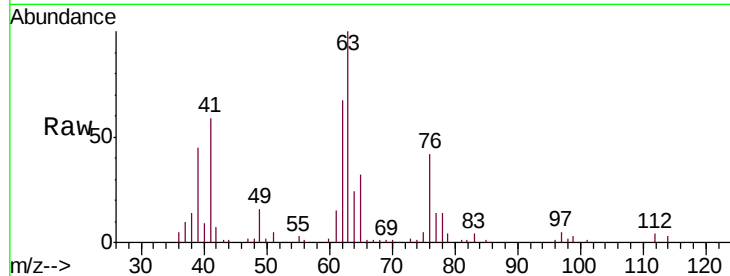




#40
 1,2-Dichloropropane
 Concen: 26.553 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

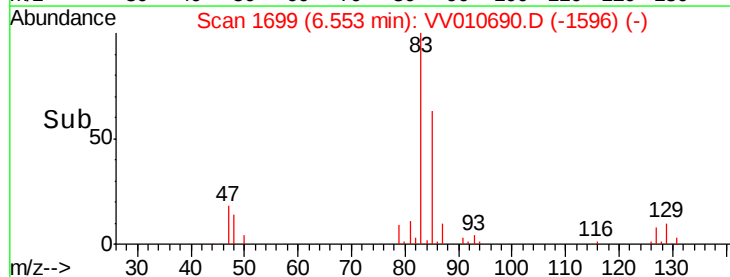
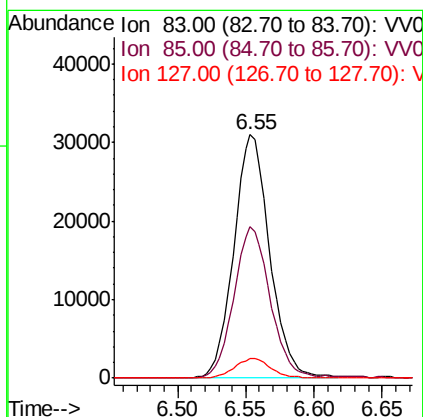
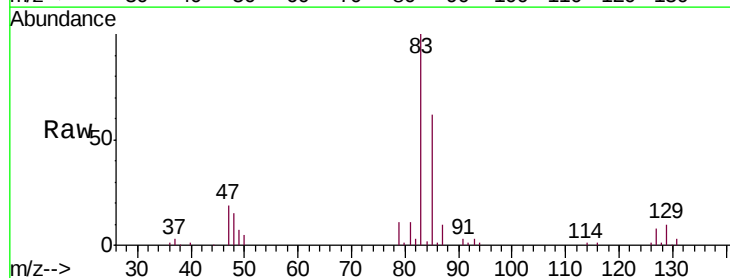
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

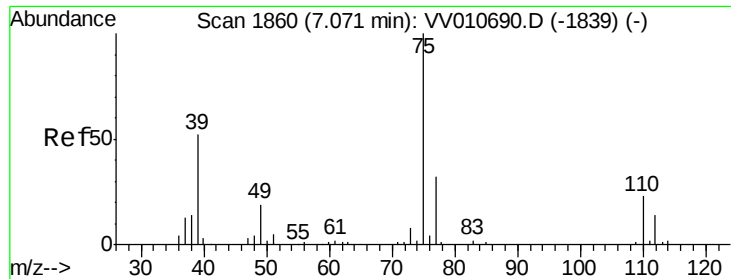
Tgt Ion: 63 Resp: 40681
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#41
 Bromodichloromethane
 Concen: 26.857 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Tgt Ion: 83 Resp: 56538
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.5 80.7
 127 7.8 6.2 9.4

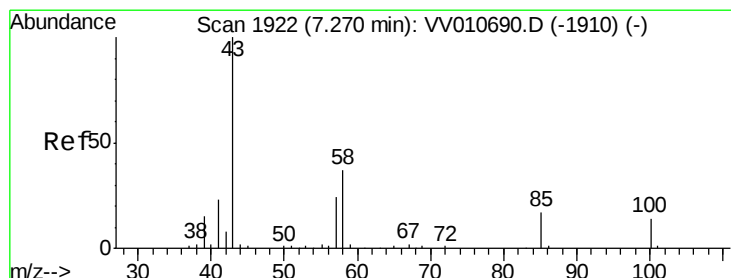
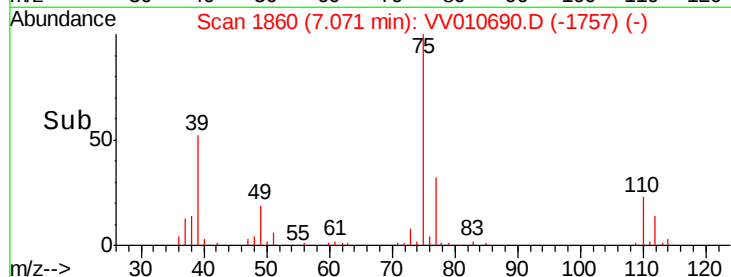
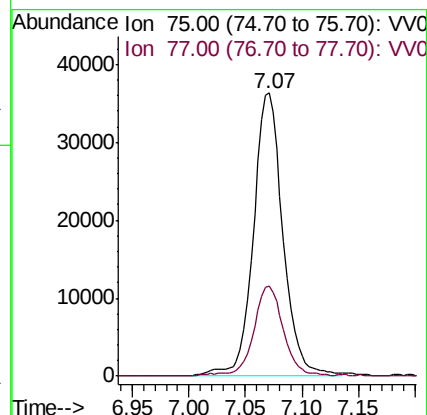
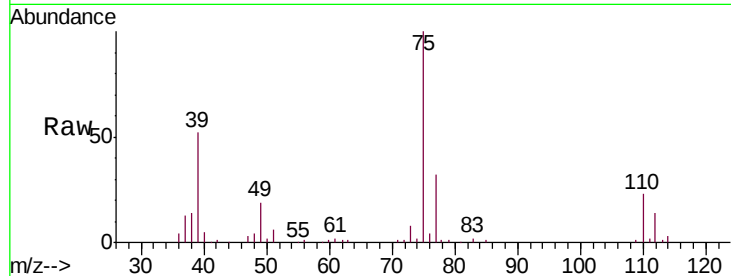




#42
 cis-1,3-Dichloropropene
 Concen: 27.334 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

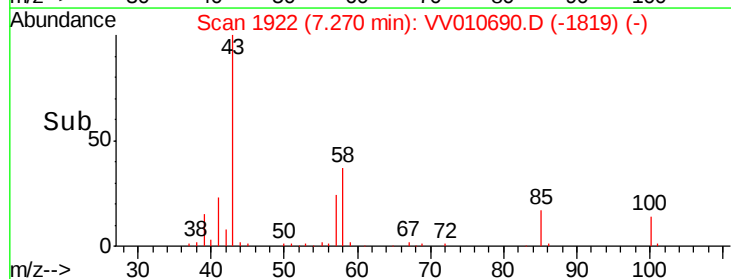
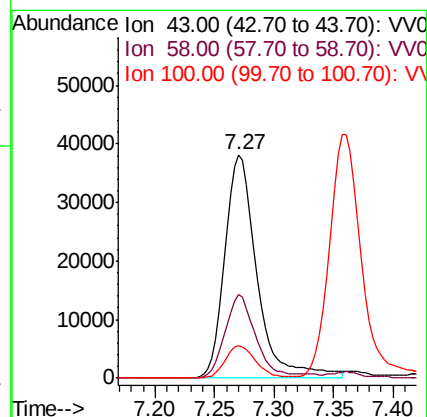
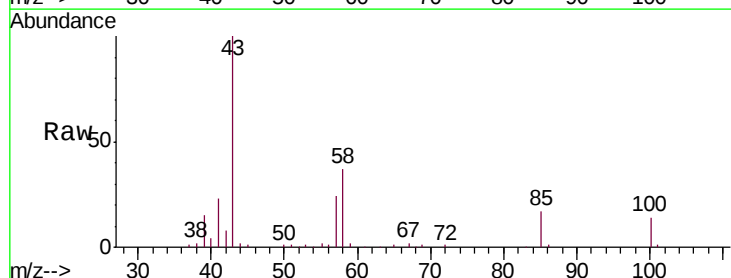
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

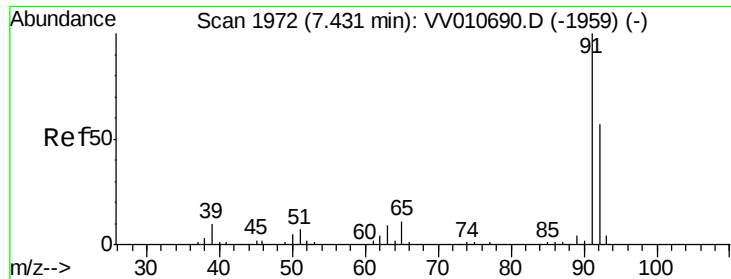
Tgt Ion: 75 Resp: 66238
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 55.766 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Tgt Ion: 43 Resp: 71918
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.1 42.1
 100 13.8 11.0 16.6





#44

Toluene

Concen: 26.900 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

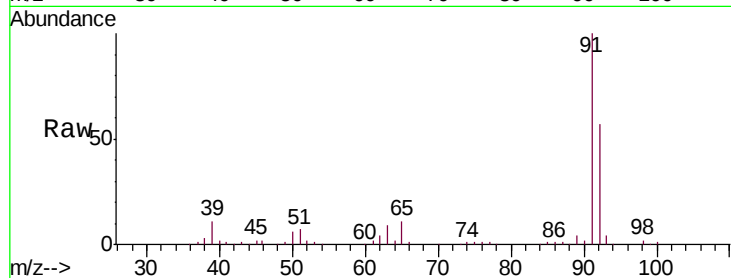
VSTD02563

Tgt Ion: 91 Resp: 175953

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

100000

80000

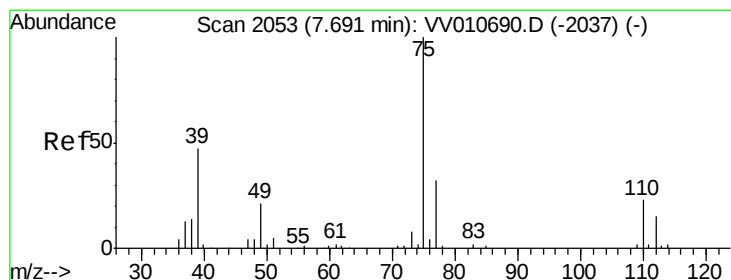
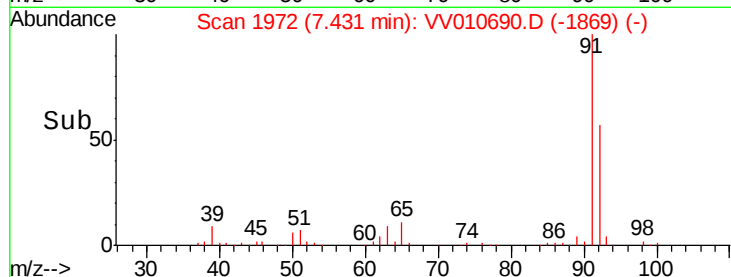
60000

40000

20000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.148 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010690.D

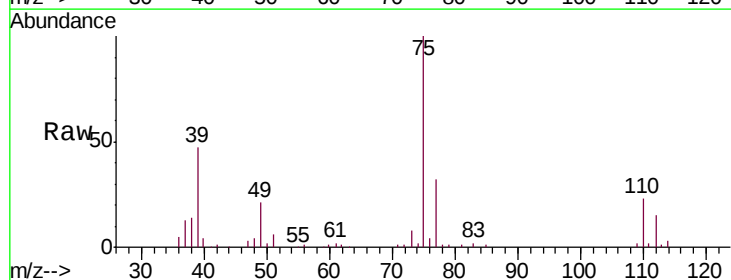
Acq: 07 May 2019 12:12

Tgt Ion: 75 Resp: 55396

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

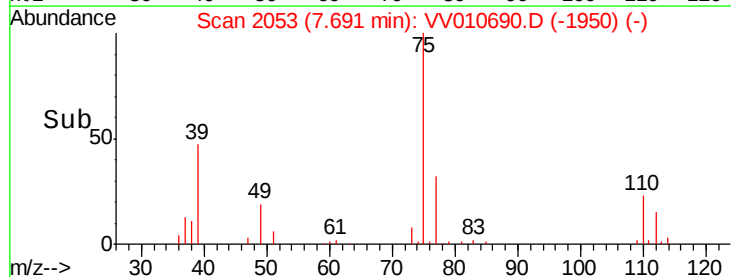
30000

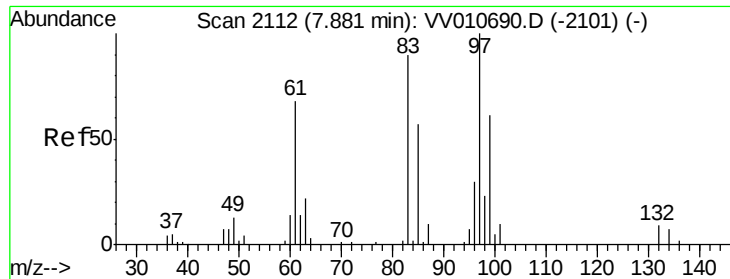
20000

10000

0

Time-->

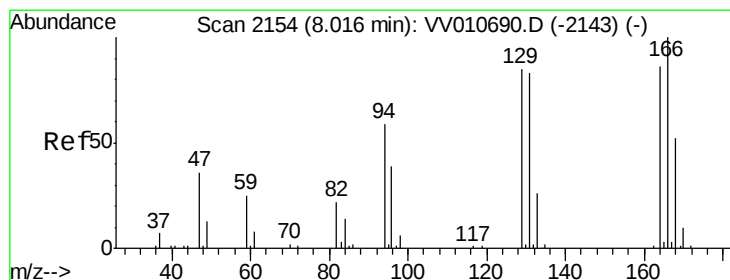
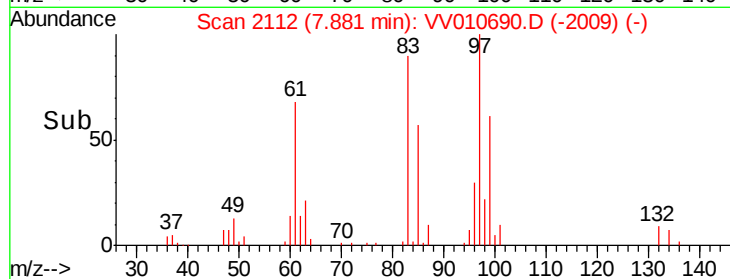
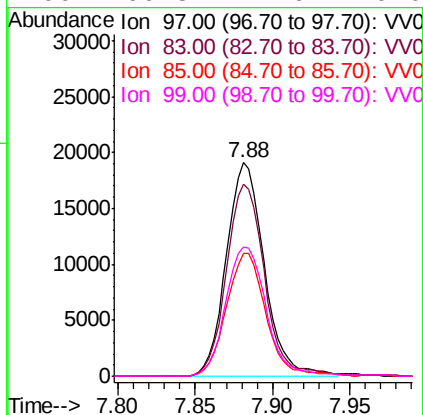
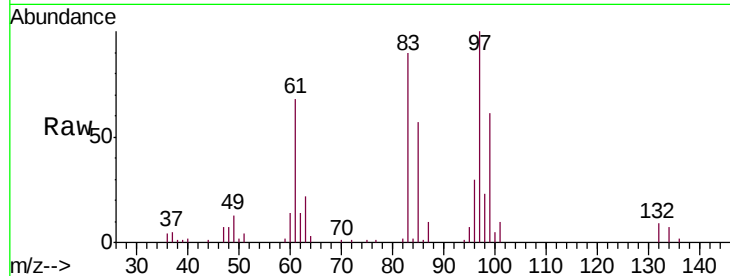




#46
 1,1,2-Trichloroethane
 Concen: 25.831 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

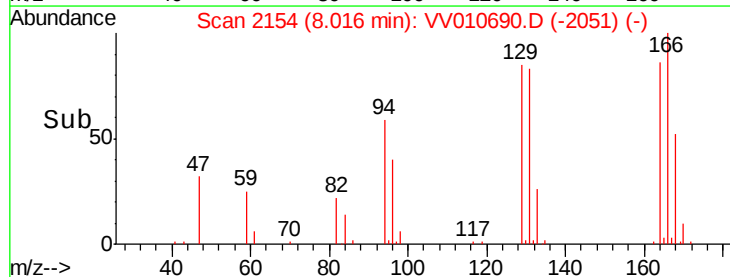
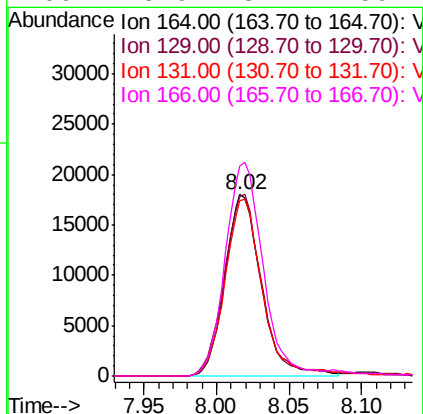
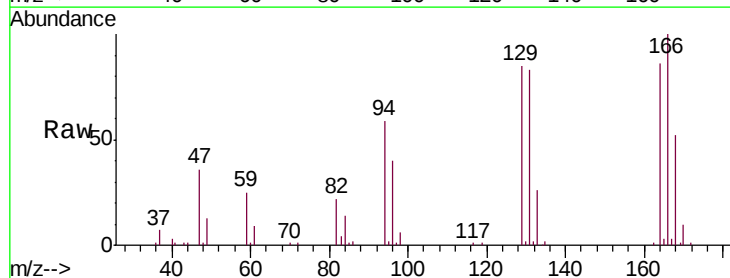
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

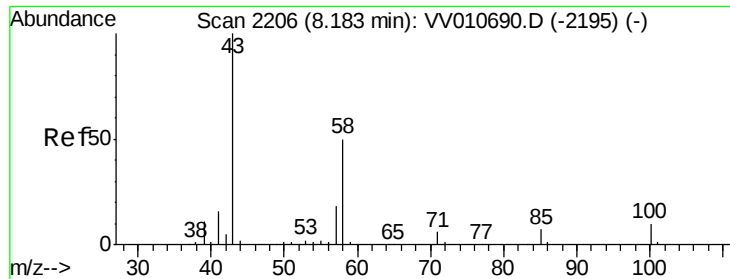
Tgt Ion:	97	Resp:	32512
Ion	Ratio	Lower	Upper
97	100		
83	89.7	62.8	116.6
85	57.4	40.2	74.6
99	60.8	42.6	79.0



#47
 Tetrachloroethene
 Concen: 27.027 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Tgt Ion:	164	Resp:	31576
Ion	Ratio	Lower	Upper
164	100		
129	99.0	69.3	128.7
131	96.2	67.3	125.1
166	115.9	81.1	150.7

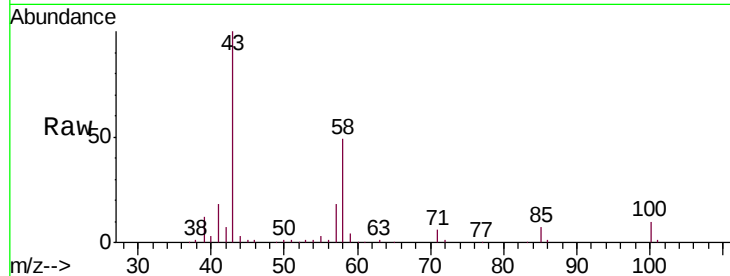




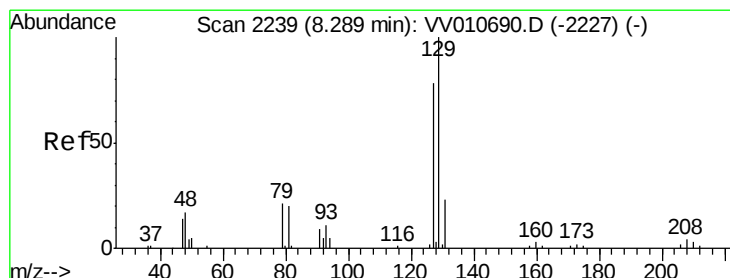
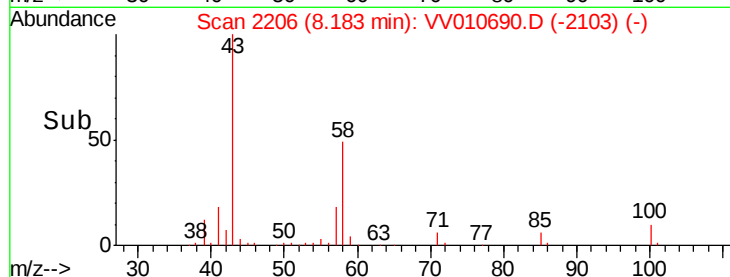
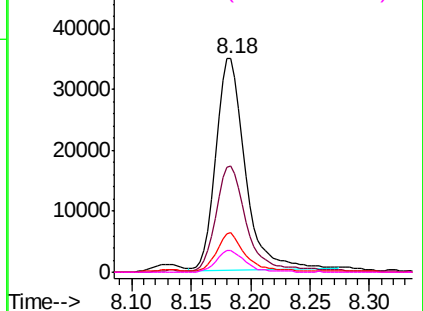
#49
2-Hexanone
Concen: 61.151 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

Tgt Ion:	43	Resp:	59958
Ion	Ratio	Lower	Upper
43	100		
58	49.2	39.4	59.0
57	17.8	14.2	21.4
100	10.2	8.2	12.2

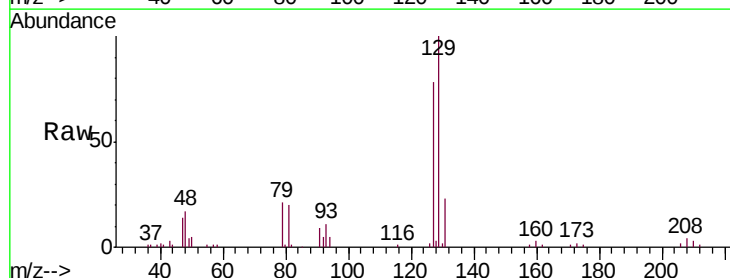


Abundance Ion 43.00 (42.70 to 43.70): VV010690.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV010690.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV010690.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV010690.D (-2195) (-)

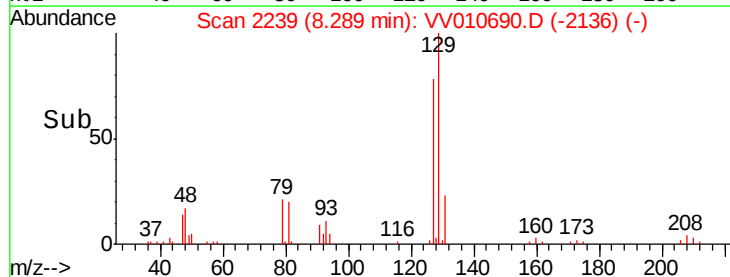
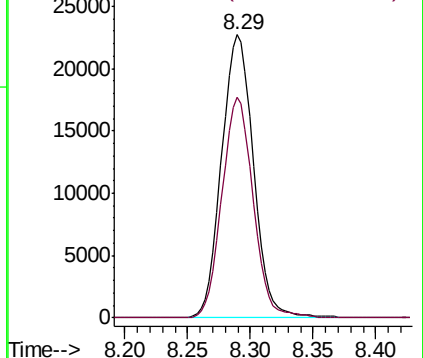


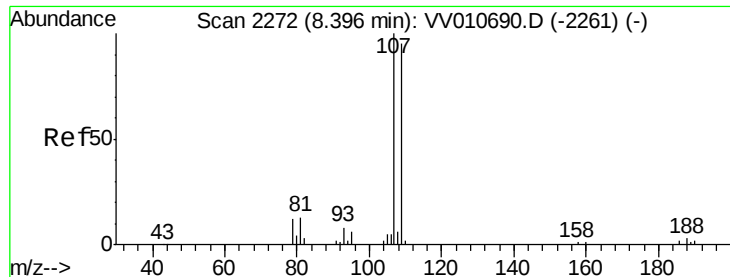
#50
Dibromochloromethane
Concen: 27.727 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

Tgt Ion:	129	Resp:	40131
Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.5	101.1



Abundance Ion 129.00 (128.70 to 129.70): VV010690.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV010690.D (-2227) (-)

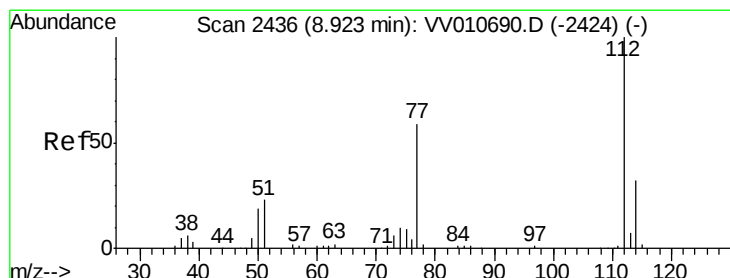
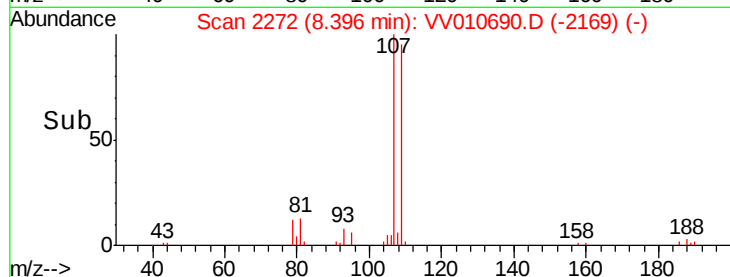
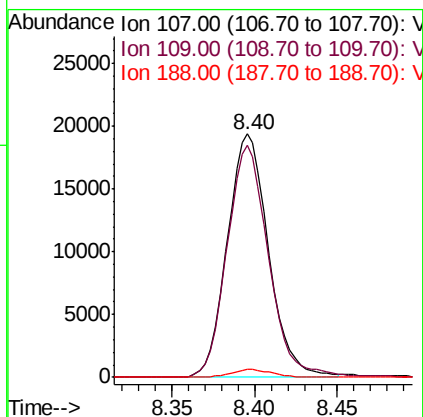
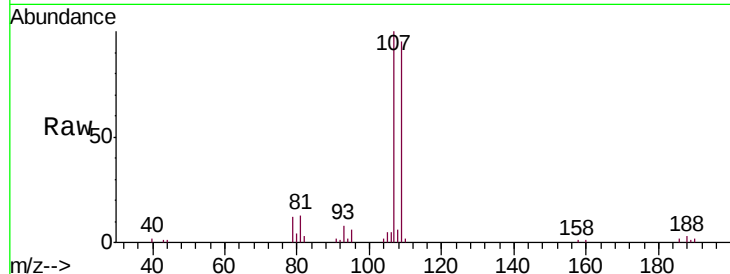




#51
1,2-Dibromoethane
Concen: 27.471 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

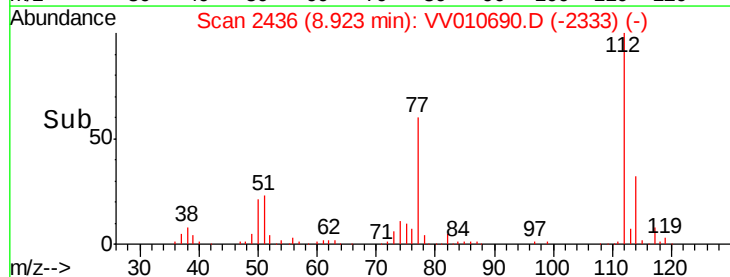
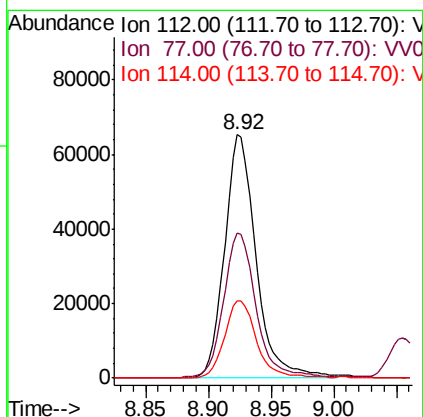
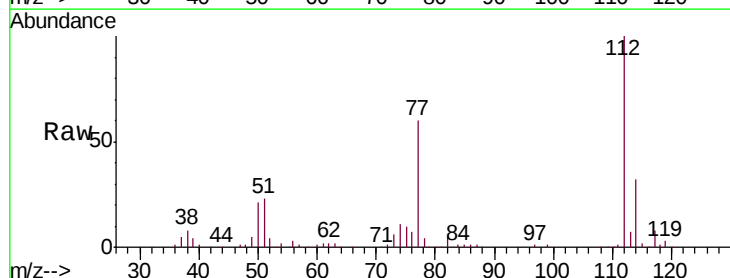
Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

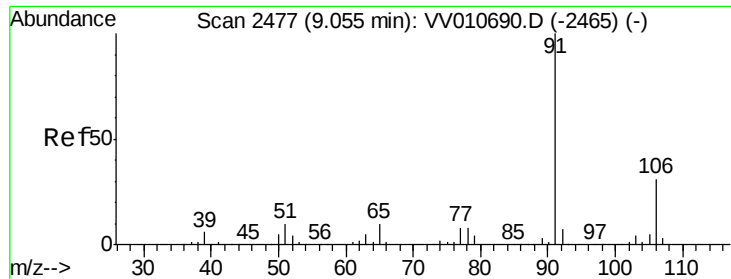
Tgt Ion:107 Resp: 33395
Ion Ratio Lower Upper
107 100
109 95.1 66.6 123.6
188 3.4 2.7 4.1



#52
Chlorobenzene
Concen: 26.684 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

Tgt Ion:112 Resp: 114031
Ion Ratio Lower Upper
112 100
77 59.6 47.7 71.5
114 31.6 22.1 41.1





#53

Ethylbenzene

Concen: 27.353 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

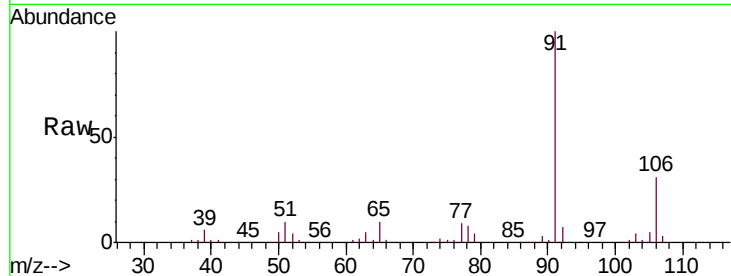
VSTD02563

Tgt Ion: 91 Resp: 207452

Ion Ratio Lower Upper

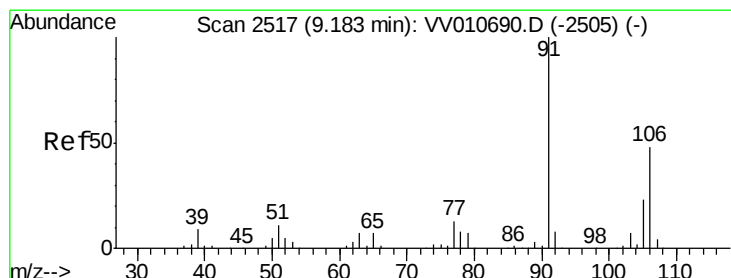
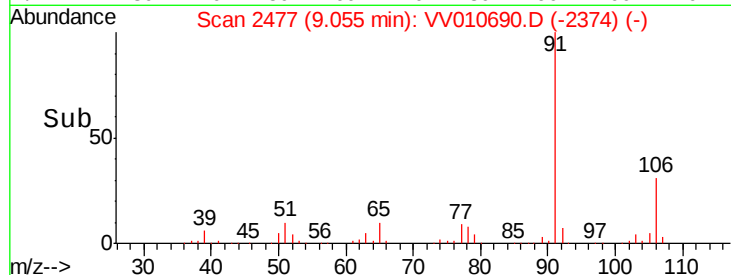
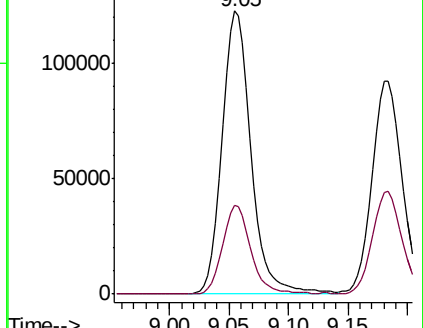
91 100

106 31.2 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV010690.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV010690.D (-2465) (-)



#54

m,p-Xylene

Concen: 27.003 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010690.D

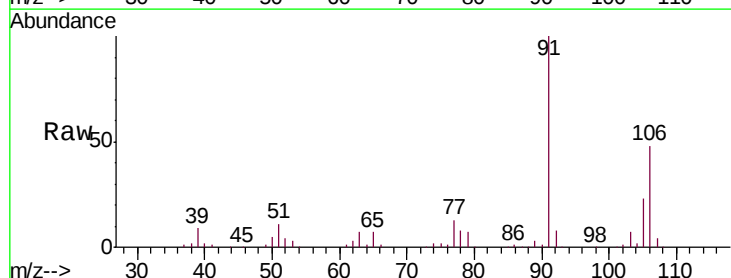
Acq: 07 May 2019 12:12

Tgt Ion: 106 Resp: 76514

Ion Ratio Lower Upper

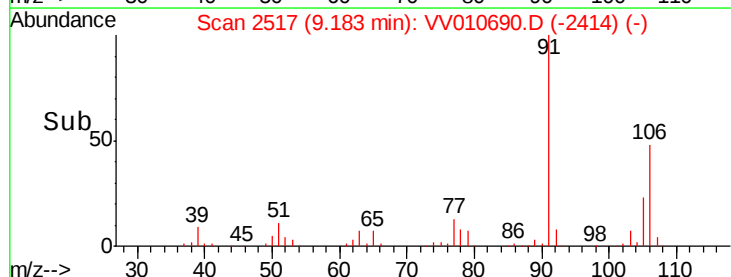
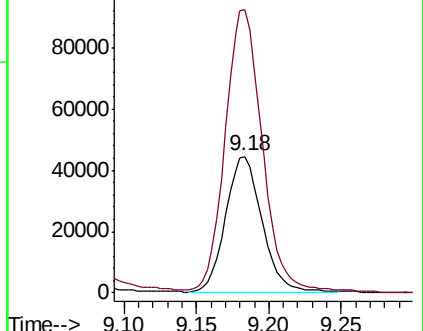
106 100

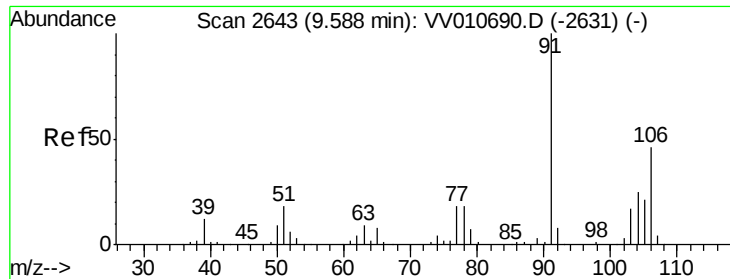
91 207.7 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV010690.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VV010690.D (-2505) (-)





#55

o-xylene

Concen: 27.422 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

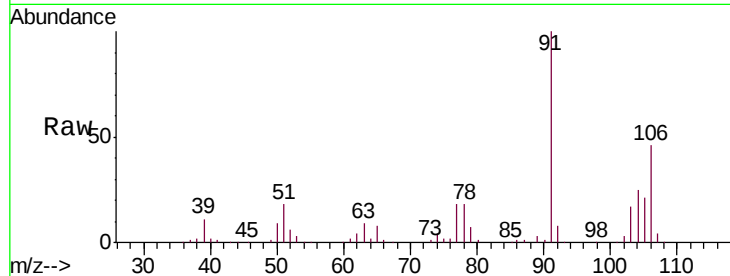
VSTD02563

Tgt Ion:106 Resp: 77070

Ion Ratio Lower Upper

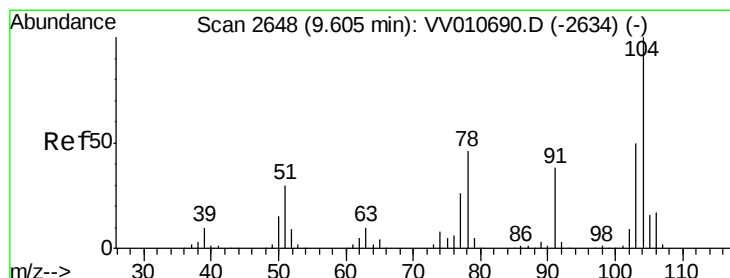
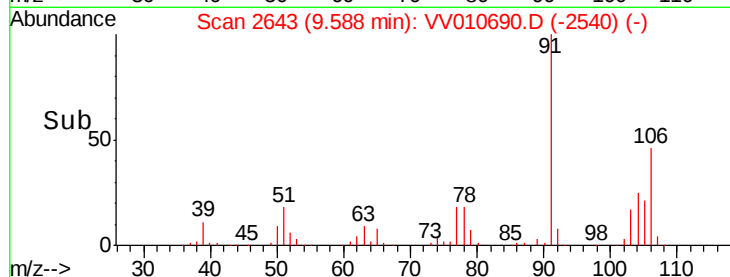
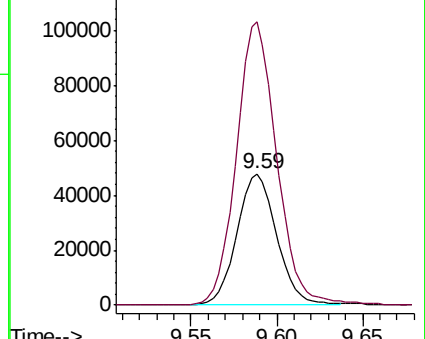
106 100

91 215.7 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 27.476 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010690.D

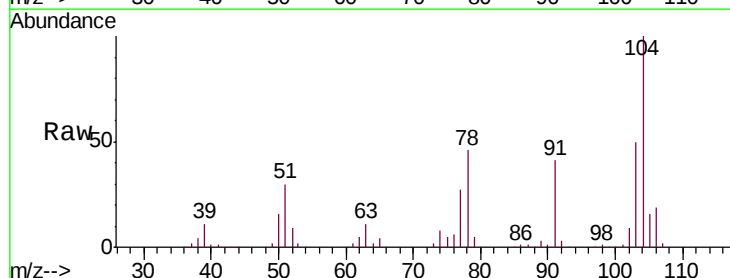
Acq: 07 May 2019 12:12

Tgt Ion:104 Resp: 130614

Ion Ratio Lower Upper

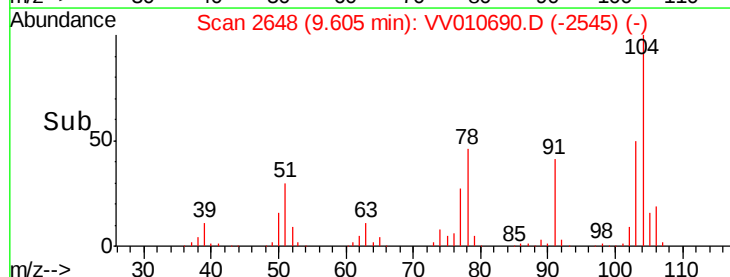
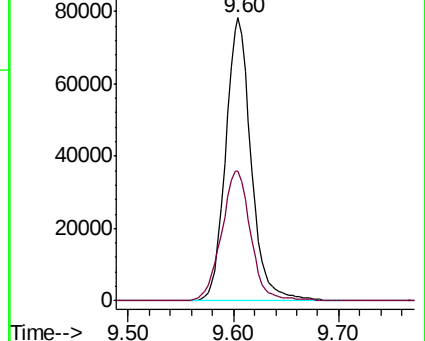
104 100

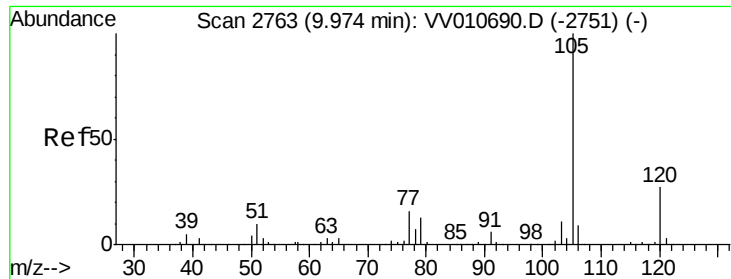
78 46.0 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

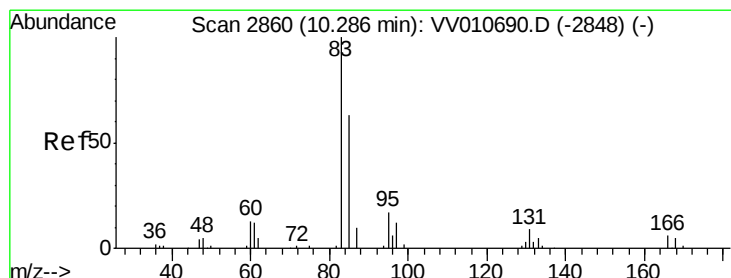
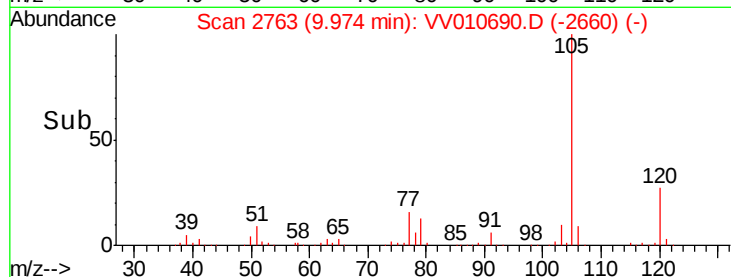
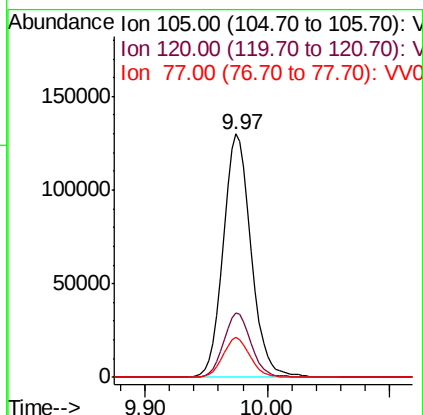
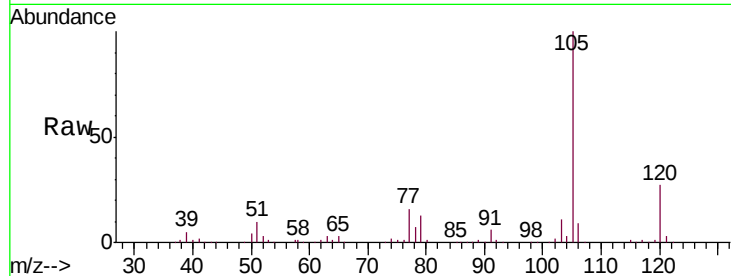




#57
Isopropylbenzene
Concen: 27.819 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

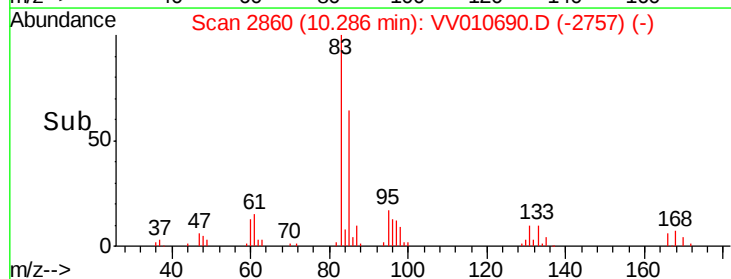
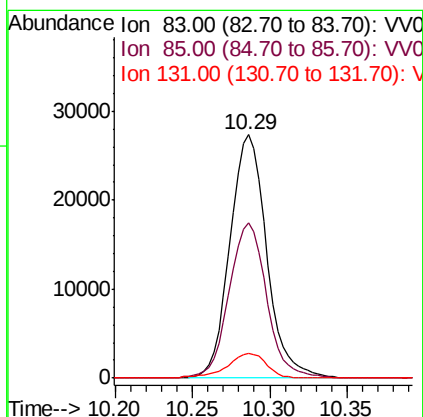
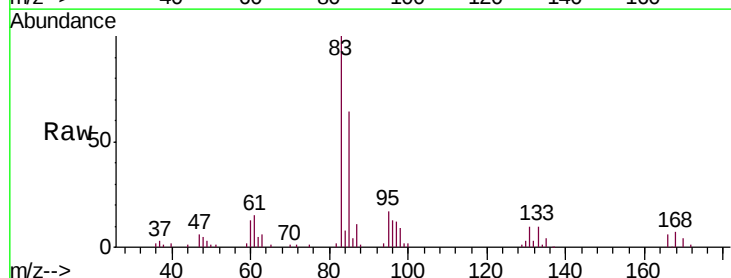
Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

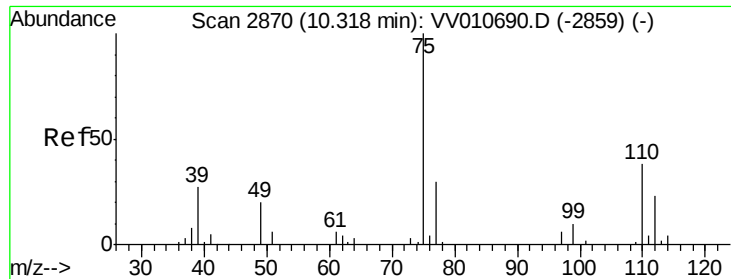
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.9	31.3
77	16.0	12.8	19.2



#58
1,1,2,2-Tetrachloroethane
Concen: 27.368 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VV010690.D
Acq: 07 May 2019 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	44.6	82.8
131	9.9	7.9	11.9

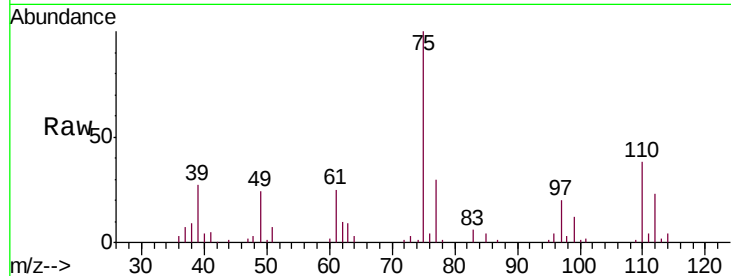




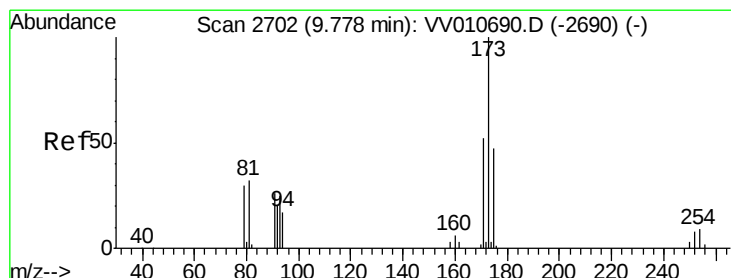
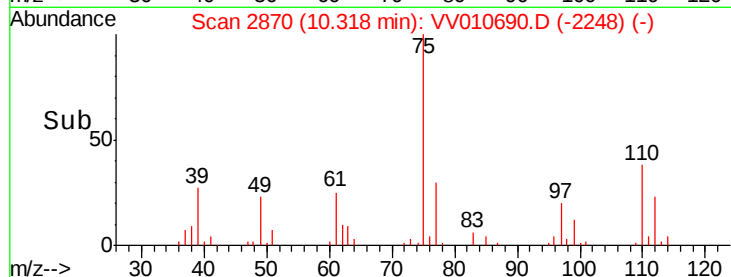
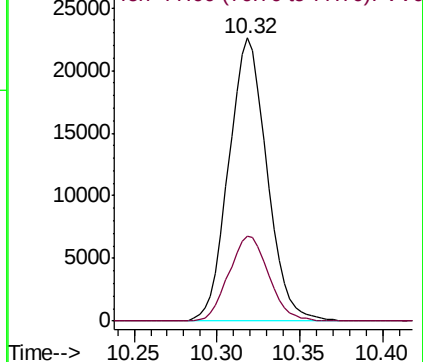
#59
 1,2,3-Trichloropropane
 Concen: 28.155 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

Tgt Ion: 75 Resp: 36234
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6

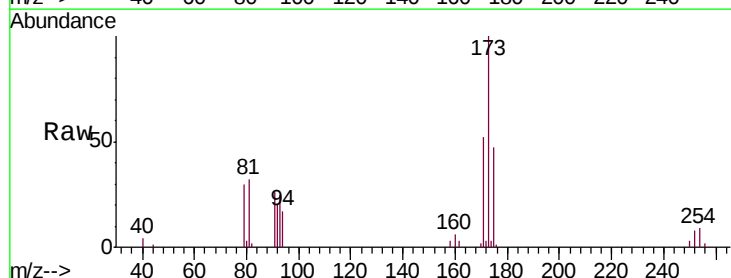


Abundance Ion 75.00 (74.70 to 75.70): VV010690.D (-2859) (-)
 Ion 77.00 (76.70 to 77.70): VV010690.D (-2859) (-)

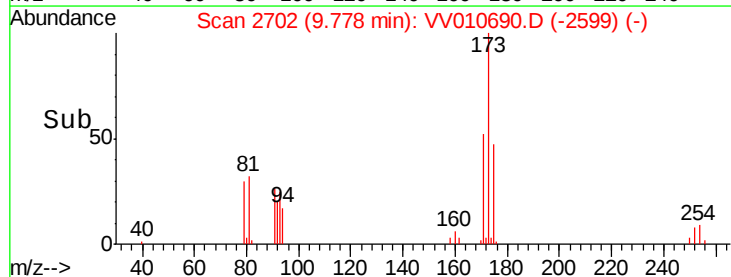
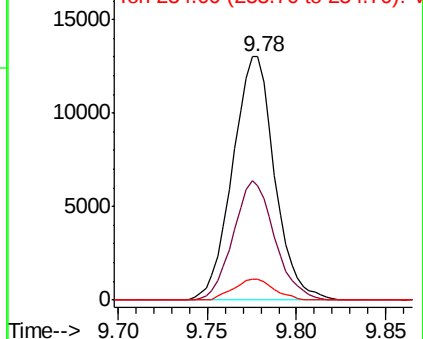


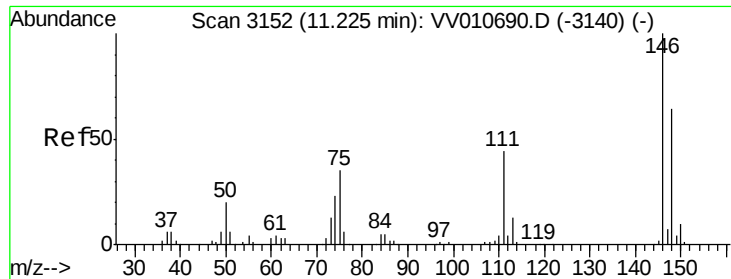
#62
 Bromoform
 Concen: 26.833 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Tgt Ion: 173 Resp: 21448
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 58.0
 254 8.1 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): VV010690.D (-2690) (-)
 Ion 175.00 (174.70 to 175.70): VV010690.D (-2690) (-)
 Ion 254.00 (253.70 to 254.70): VV010690.D (-2690) (-)

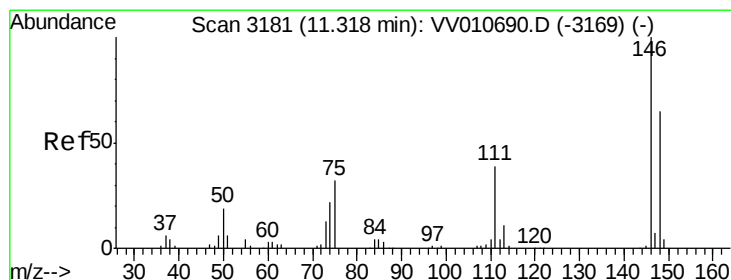
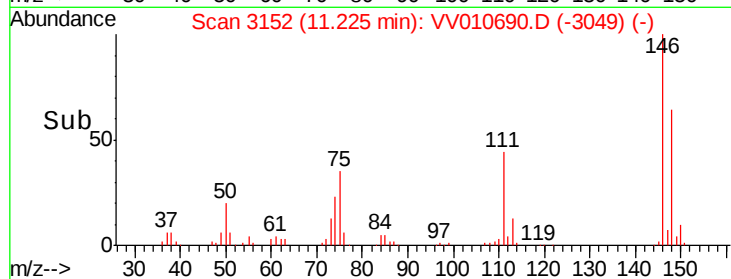
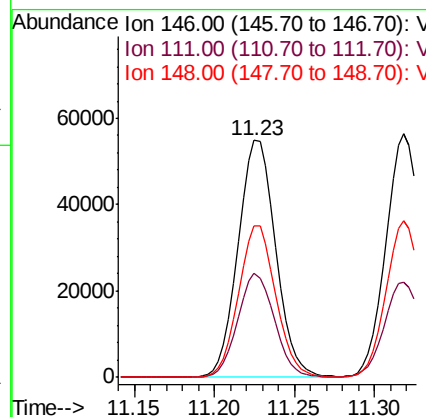
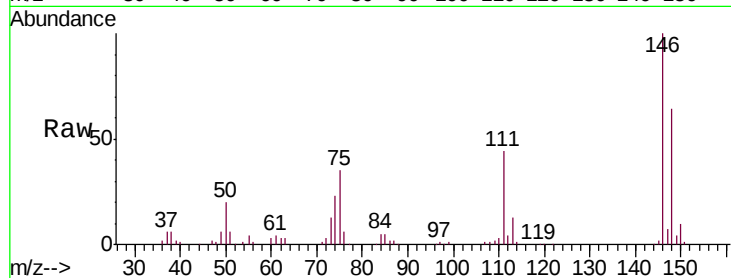




#63
 1,3-Dichlorobenzene
 Concen: 26.913 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

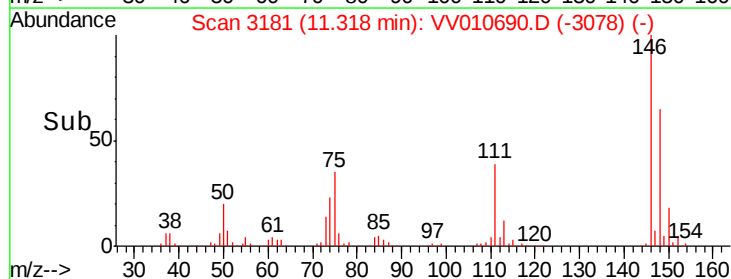
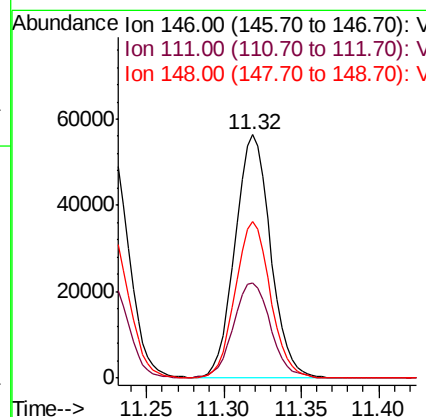
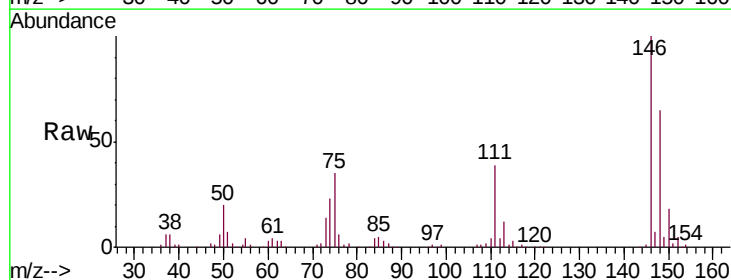
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

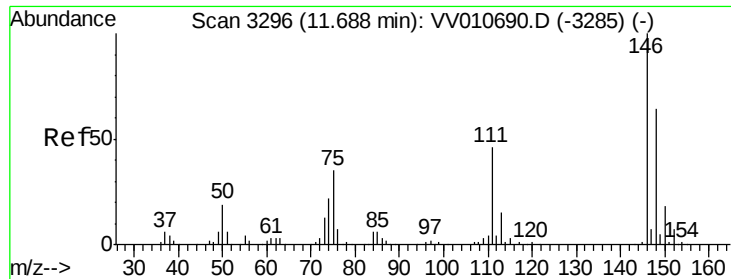
Tgt Ion:146 Resp: 87940
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.6 56.8
 148 64.2 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 26.991 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Tgt Ion:146 Resp: 90089
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.4 50.8
 148 64.5 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 26.803 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

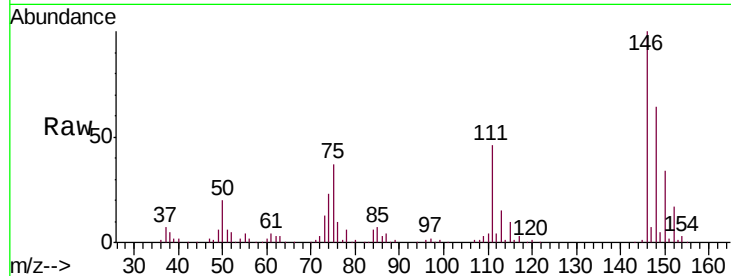
Tgt Ion:146 Resp: 85063

Ion Ratio Lower Upper

146 100

111 46.2 37.0 55.4

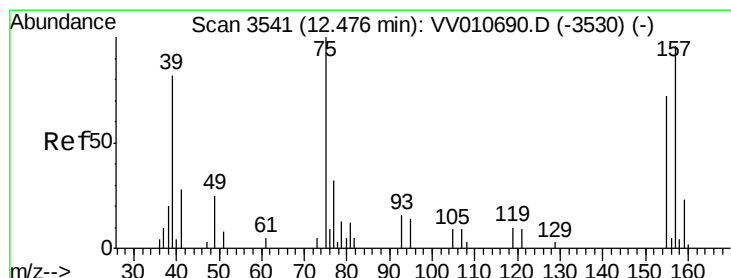
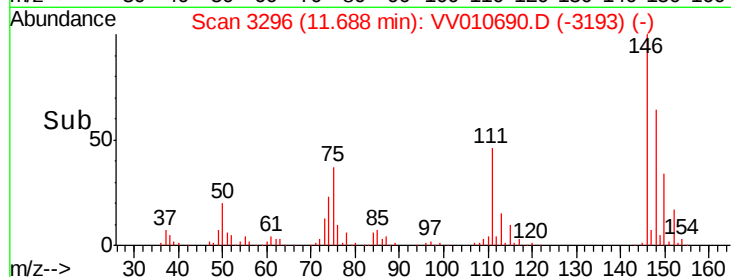
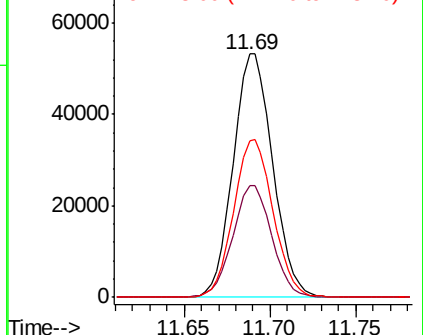
148 64.1 51.3 76.9



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: 26.640 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

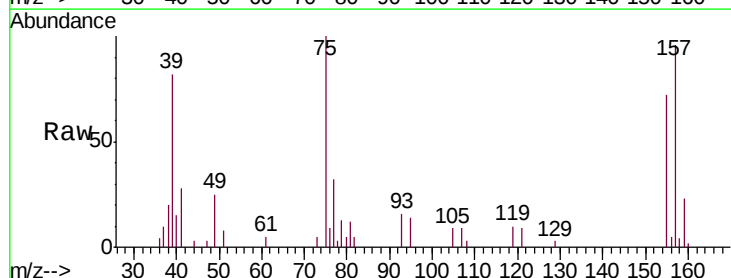
Tgt Ion: 75 Resp: 7845

Ion Ratio Lower Upper

75 100

157 96.1 76.9 115.3

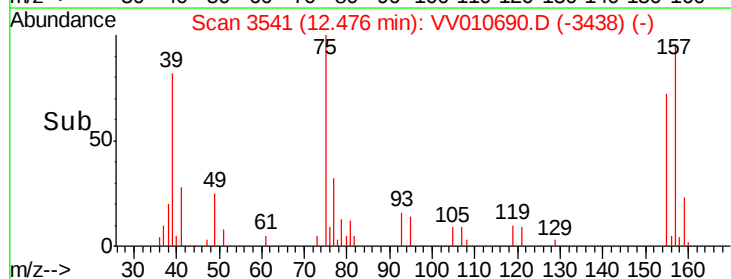
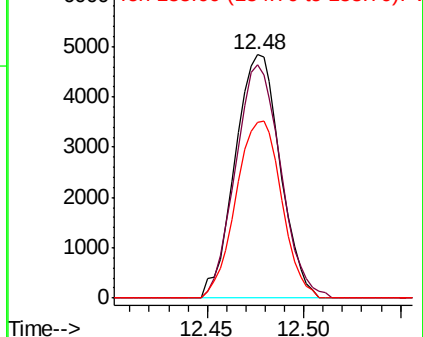
155 72.4 57.9 86.9

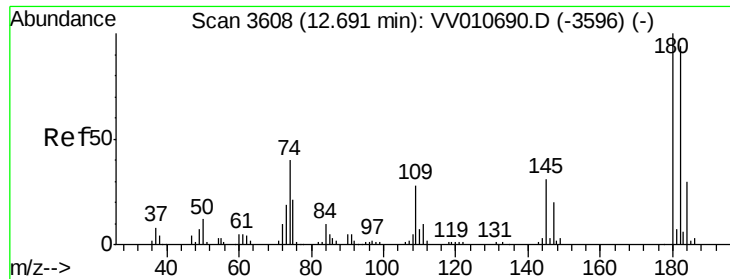


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

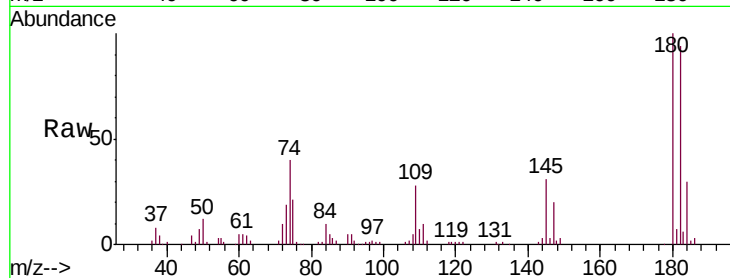




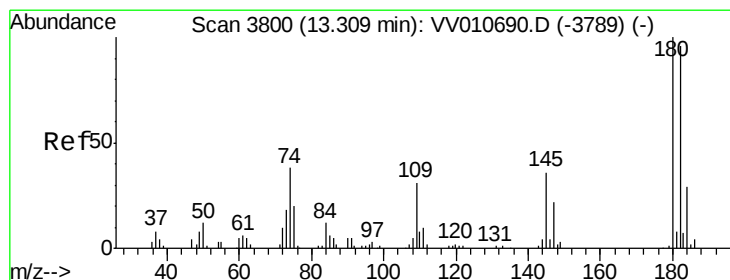
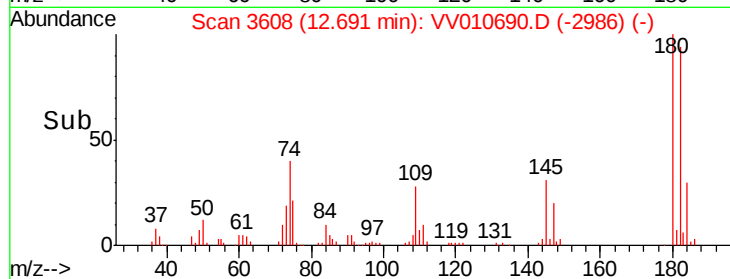
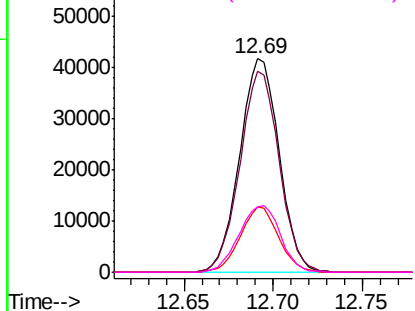
#67
 1,3,5-Trichlorobenzene
 Concen: 27.365 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

Tgt Ion:180 Resp: 64409
 Ion Ratio Lower Upper
 180 100
 182 93.4 74.7 112.1
 184 29.6 23.7 35.5
 145 32.5 26.0 39.0

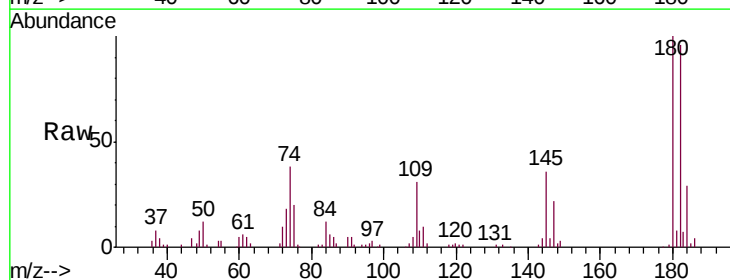


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

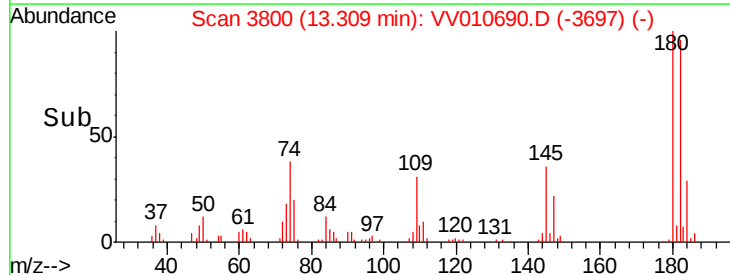
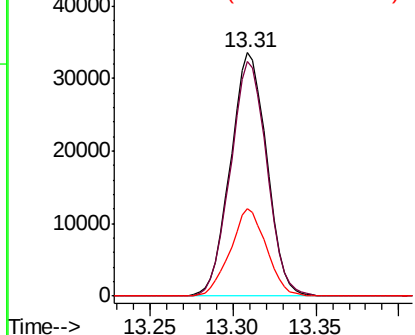


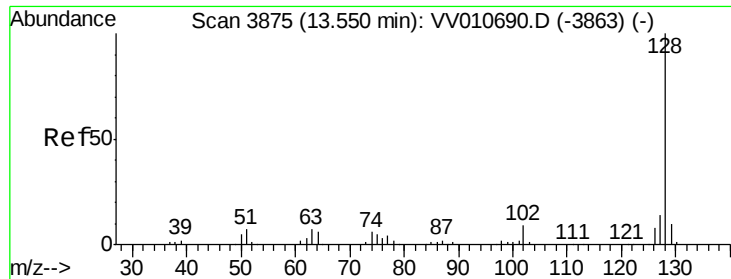
#68
 1,2,4-trichlorobenzene
 Concen: 28.100 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010690.D
 Acq: 07 May 2019 12:12

Tgt Ion:180 Resp: 51176
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 145 35.4 28.3 42.5



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





#69

Naphthalene

Concen: 29.987 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

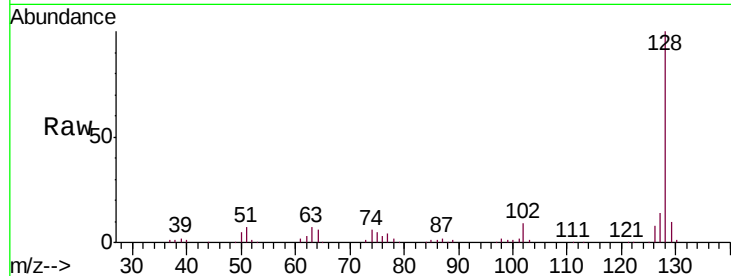
Tgt Ion:128 Resp: 116894

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

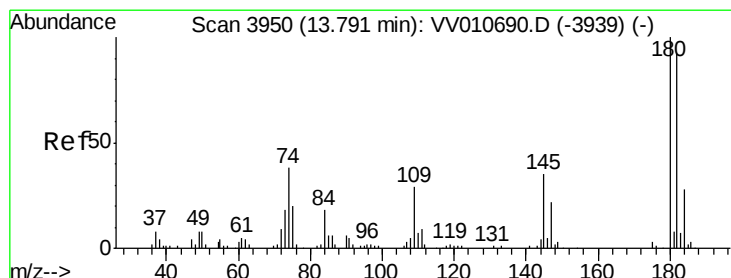
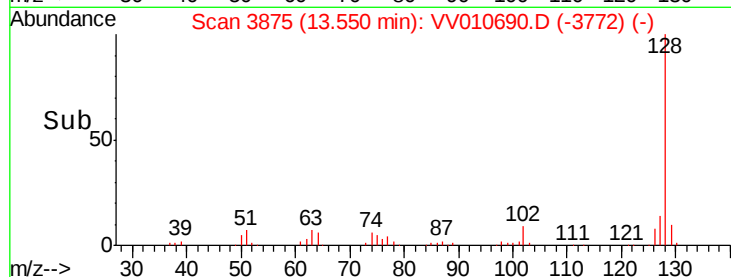
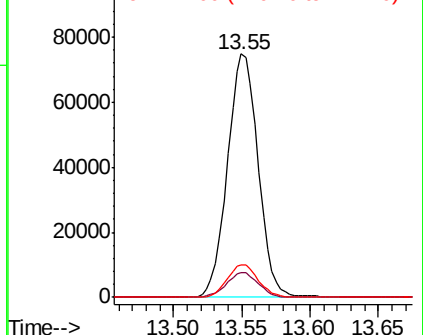
127 13.5 10.8 16.2



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: 29.171 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV010690.D

Acq: 07 May 2019 12:12

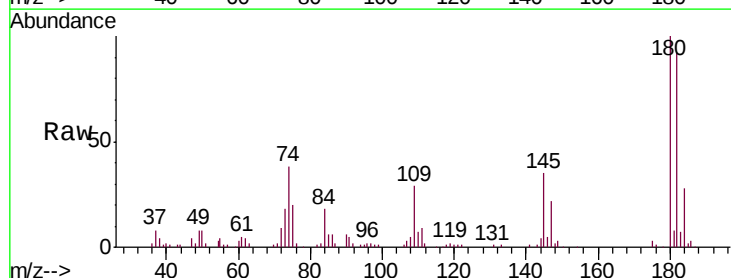
Tgt Ion:180 Resp: 49834

Ion Ratio Lower Upper

180 100

182 92.9 74.3 111.5

145 35.6 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

