

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016090.D
 Acq On : 18 May 2020 10:09
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 03:12:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 03:10:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	305741	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	295543	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	140190	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11427	4.30	ug/L	0.00
7) Chloroethane-d5	1.58	69	10531	4.60	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	22856	4.78	ug/L	0.00
21) 2-Butanone-d5	3.96	46	4137	2.85	ug/L	0.03
24) Chloroform-d	4.38	84	22350	5.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	15033	5.26	ug/L	0.00
32) Benzene-d6	5.08	84	41861	4.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	13513	5.03	ug/L	0.00
41) Toluene-d8	7.34	98	38034	4.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	6101	4.13	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	6745	5.73	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.24	84	16879	4.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	15087	4.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	14614	5.497 ug/L	97
3) Chloromethane	1.25	50	15213	5.967 ug/L	98
5) Vinyl chloride	1.32	62	14116	5.337 ug/L	92
6) Bromomethane	1.53	94	8663	5.037 ug/L	99
8) Chloroethane	1.60	64	9621	5.261 ug/L	94
9) Trichlorofluoromethane	1.77	101	19492	4.089 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11881	5.350 ug/L	97
12) 1,1-Dichloroethene	2.14	96	10983	5.271 ug/L	80
13) Acetone	2.21	43	15882	16.036 ug/L	96
14) Carbon disulfide	2.31	76	29727	5.087 ug/L	99
15) Methyl Acetate	2.46	43	12719	6.144 ug/L	96
16) Methylene chloride	2.53	84	14206	6.238 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	11804	5.763 ug/L	92
18) Methyl tert-butyl Ether	2.79	73	38214	5.619 ug/L	97
19) 1,1-Dichloroethane	3.22	63	23700	6.225 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	12495	5.337 ug/L	99
23) Bromochloromethane	4.28	128	6834	5.783 ug/L	95
25) Chloroform	4.41	83	24800	5.992 ug/L	95
27) 1,2-Dichloroethane	5.16	62	19225	6.115 ug/L	100
29) Cyclohexane	4.70	56	18567	5.298 ug/L	96
30) 1,1,1-Trichloroethane	4.64	97	22087	5.885 ug/L	98
31) Carbon tetrachloride	4.86	117	18388	5.747 ug/L	99
33) Benzene	5.13	78	48692	5.635 ug/L	100
34) Trichloroethene	5.94	95	12755	5.600 ug/L	97
35) Methylcyclohexane	6.16	83	18883	5.083 ug/L	97
37) 1,2-Dichloropropane	6.20	63	12742	5.910 ug/L	99
38) Bromodichloromethane	6.54	83	17662	5.700 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	18605	5.216 ug/L	95
40) 4-Methyl-2-pentanone	7.26	43	29214	9.772 ug/L	97
42) Toluene	7.41	91	50504	5.285 ug/L	96

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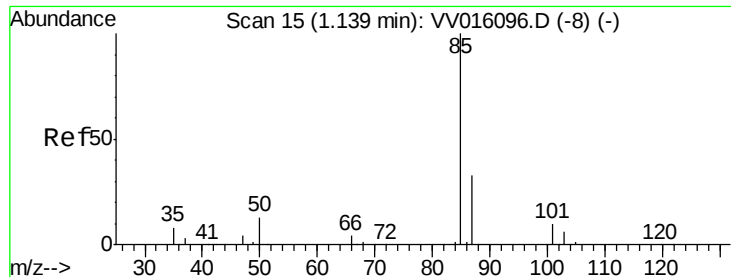
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 03:12:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) trans-1,3-Dichloropropene	7.68	75	17885	5.117	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	12279	5.544	ug/L	98
46) Tetrachloroethene	8.00	164	9831	5.971	ug/L	93
48) 2-Hexanone	8.18	43	21726	9.631	ug/L	96
49) Dibromochloromethane	8.27	129	12017	4.954	ug/L	96
50) 1,2-Dibromoethane	8.38	107	12693	5.412	ug/L #	94
51) Chlorobenzene	8.90	112	34397	5.509	ug/L	96
52) Ethylbenzene	9.04	91	57051	5.319	ug/L	98
53) m,p-Xylene	9.16	106	20664	5.035	ug/L	99
54) o-xylene	9.57	106	20212	4.932	ug/L	95
55) Styrene	9.59	104	32601	4.737	ug/L	98
56) Isopropylbenzene	9.95	105	51836	4.851	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	18771	5.289	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	15671	5.516	ug/L	99
61) Bromoform	9.76	173	7190	4.736	ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	25196	5.461	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	26345	5.605	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	25689	5.477	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	3854	4.299	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	16799	5.452	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	14029	4.986	ug/L	99
69) Naphthalene	13.53	128	35160	3.393	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	14292	4.927	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.497 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

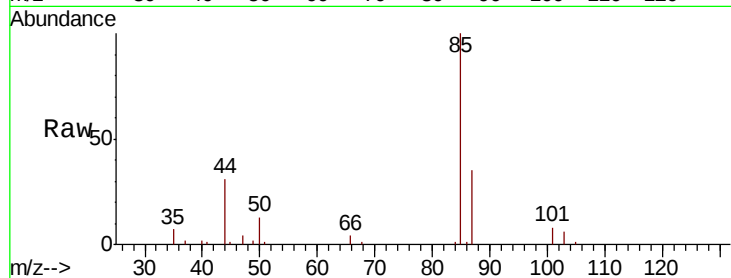
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 14614

Ion Ratio Lower Upper

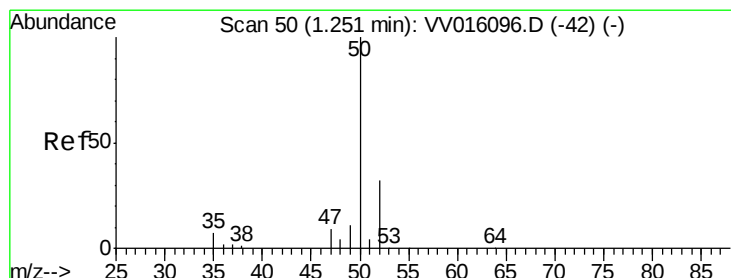
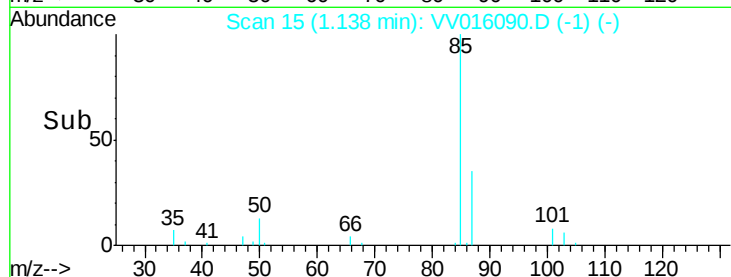
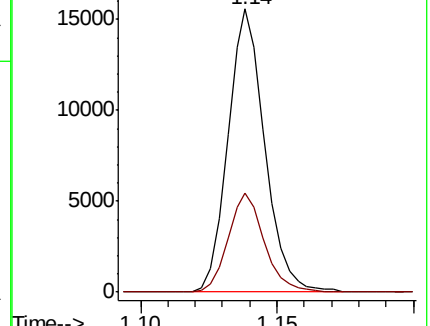
85 100

87 34.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.967 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV016090.D

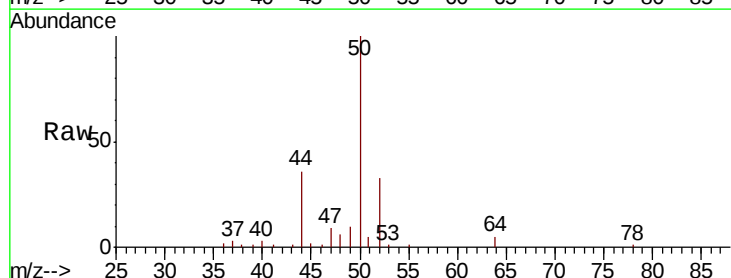
Acq: 18 May 2020 10:09

Tgt Ion: 50 Resp: 15213

Ion Ratio Lower Upper

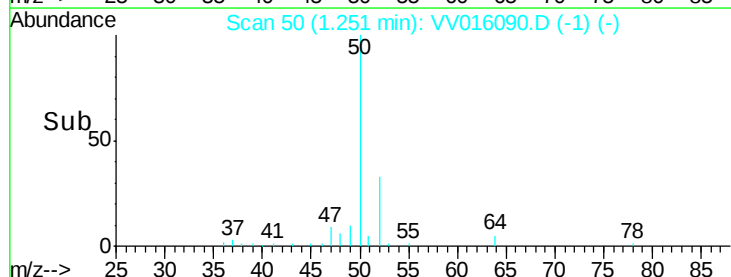
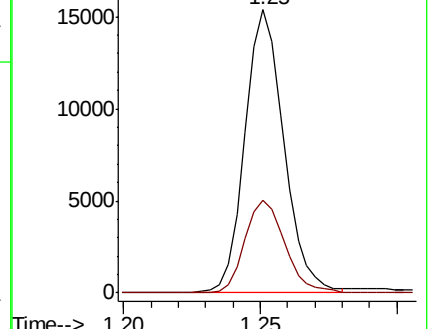
50 100

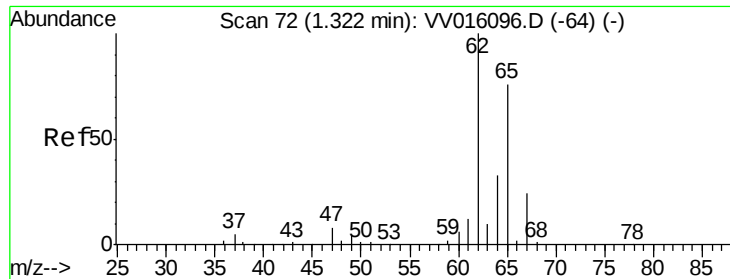
52 32.8 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 5.337 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :

MSVOA_V

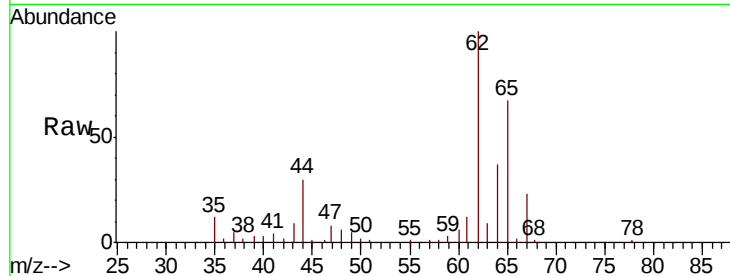
ClientSampled :

Tot Ion: 62 Resp: 14116

Ion Ratio Lower Upper

62 100

64 37.4 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

15000

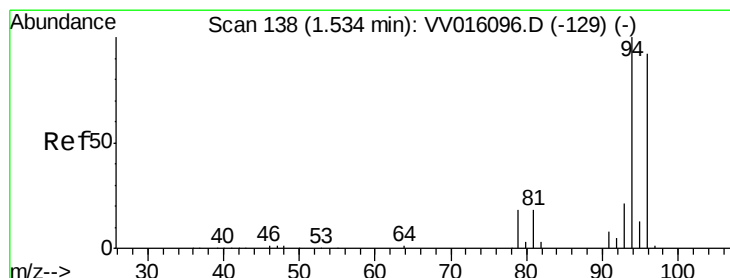
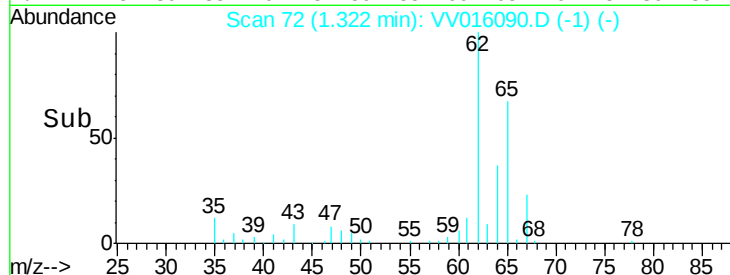
10000

5000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 5.037 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV016090.D

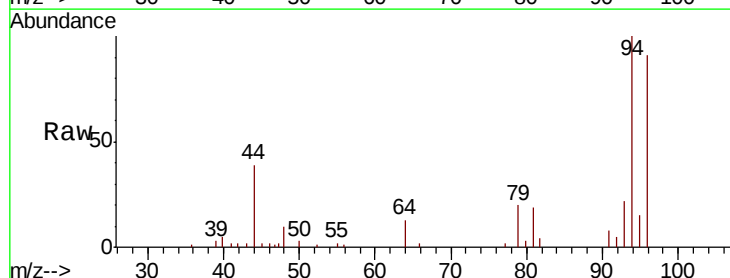
Acq: 18 May 2020 10:09

Tgt Ion: 94 Resp: 8663

Ion Ratio Lower Upper

94 100

96 91.5 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

8000

6000

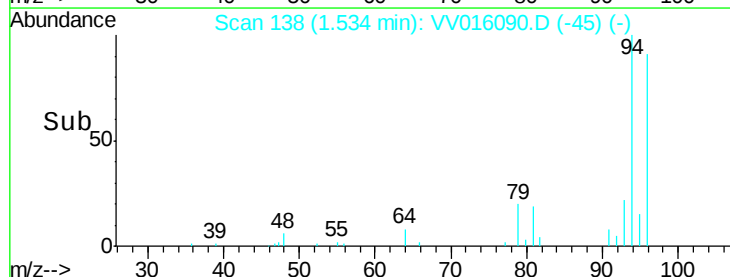
4000

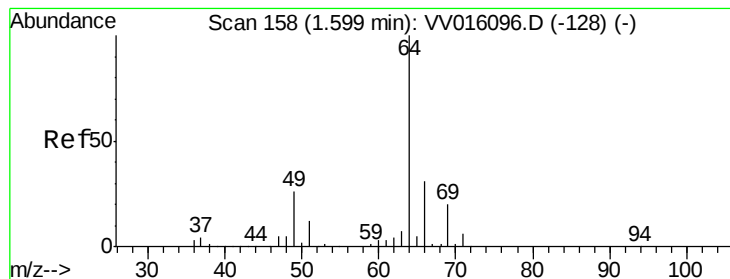
2000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 5.261 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

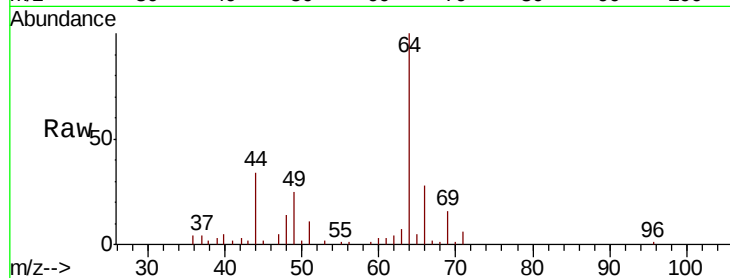
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 9621

Ion Ratio Lower Upper

64 100

66 28.1 22.0 40.8

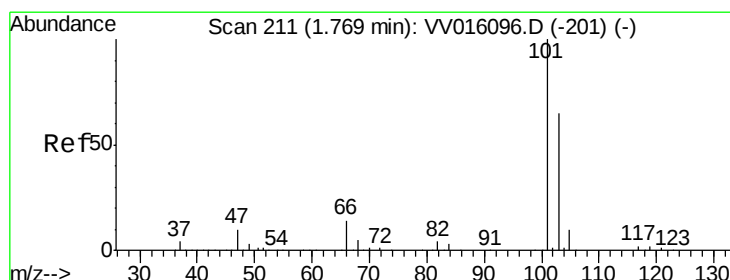
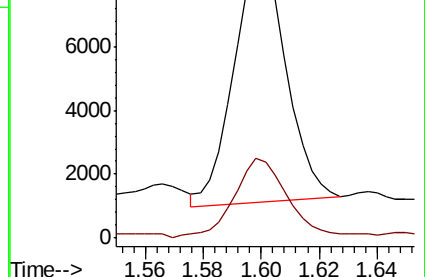
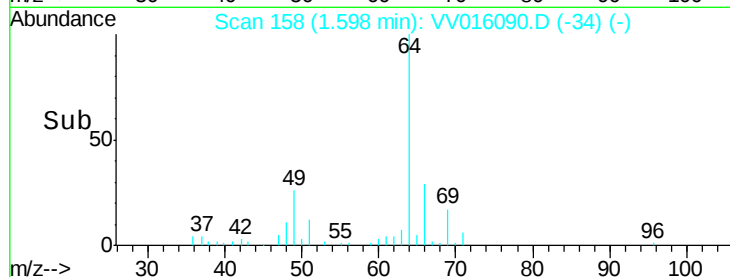


Abundance Ion 64.00 (63.70 to 64.70): VV016090.D (-128) (-)

Ion 66.00 (65.70 to 66.70): VV016090.D (-128) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 4.089 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV016090.D

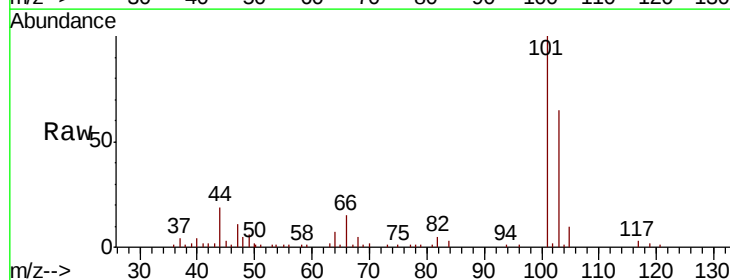
Acq: 18 May 2020 10:09

Tgt Ion: 101 Resp: 19492

Ion Ratio Lower Upper

101 100

103 63.7 52.2 78.2

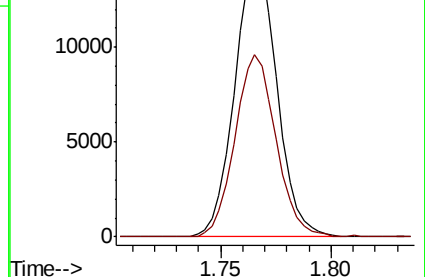
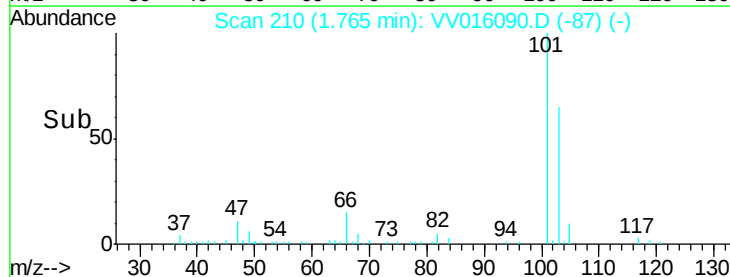


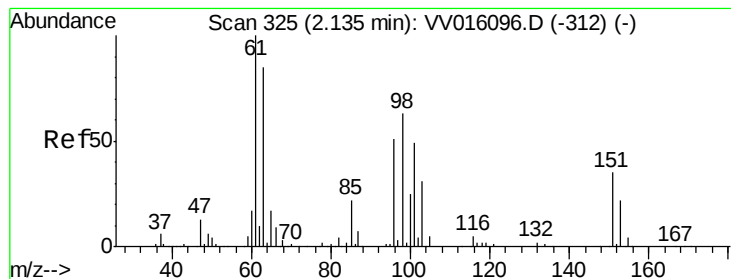
Abundance Ion 101.00 (100.70 to 101.70): VV016090.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV016090.D (-201) (-)

1.77

Time-->





#10

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

Concen: 5.350 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :

MSVOA_V

ClientSampled :

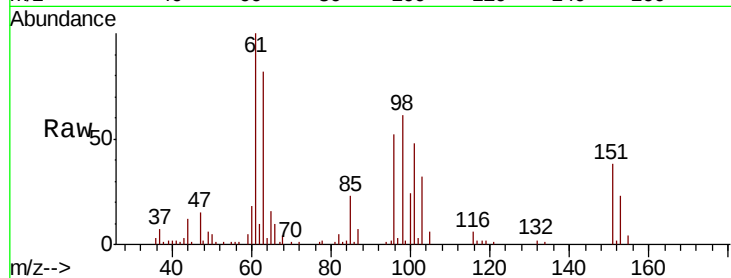
Tot Ion:101 Resp: 11881

Ion Ratio Lower Upper

101 100

85 44.4 36.2 54.4

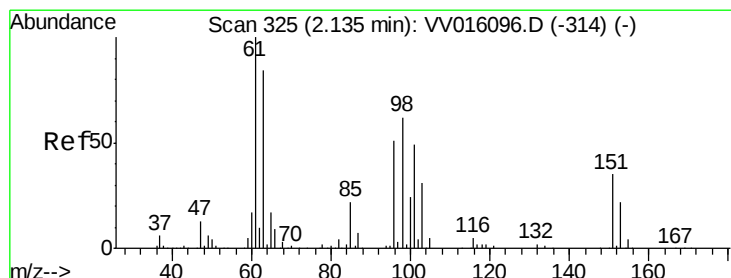
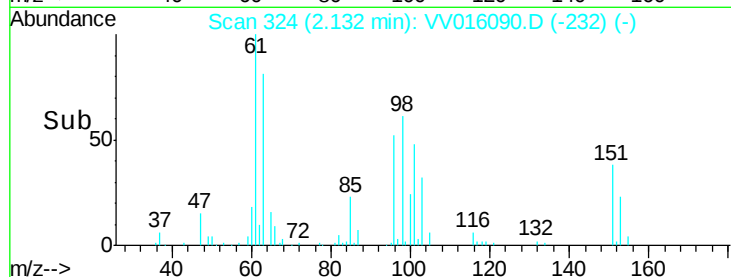
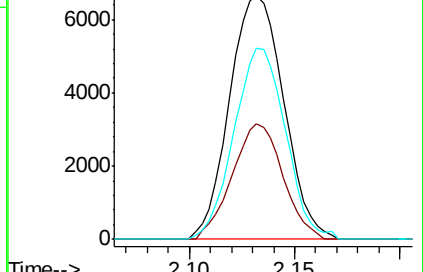
151 74.1 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): VV016096.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV016096.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV016096.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 5.271 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

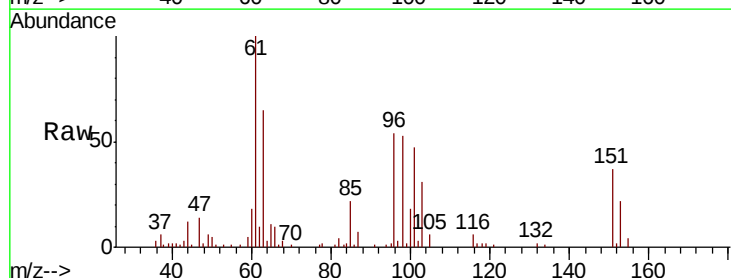
Tgt Ion: 96 Resp: 10983

Ion Ratio Lower Upper

96 100

61 185.1 136.8 254.2

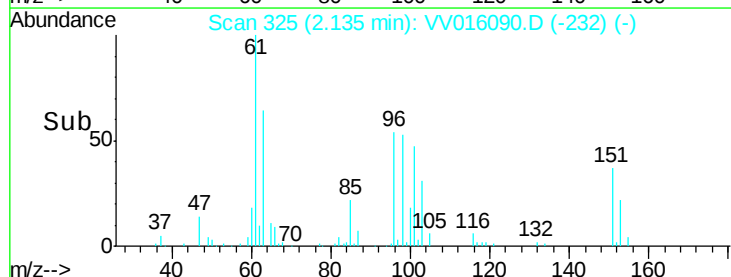
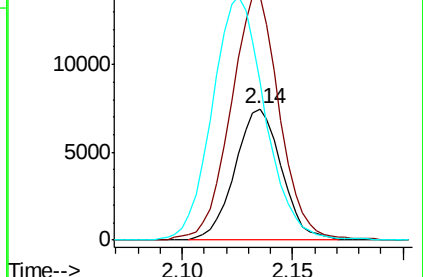
63 120.1 116.6 216.5

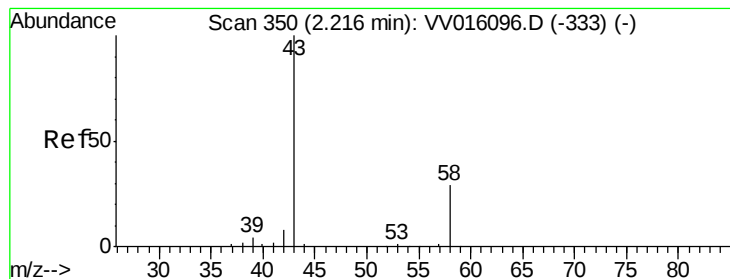


Abundance Ion 96.00 (95.70 to 96.70): VV016096.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV016096.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV016096.D (-314) (-)





#13

Acetone

Concen: 16.036 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

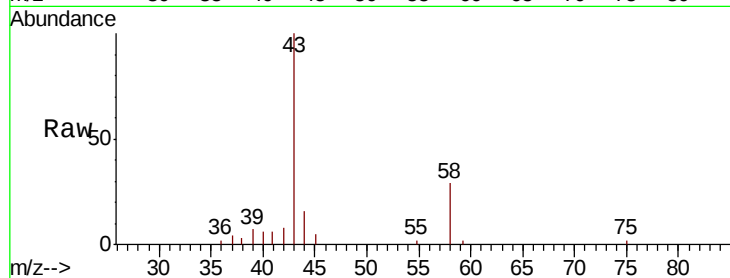
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 15882

Ion Ratio Lower Upper

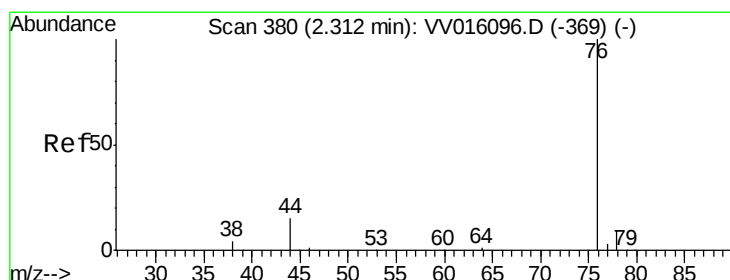
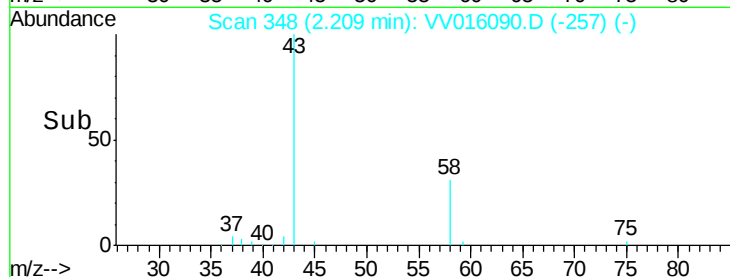
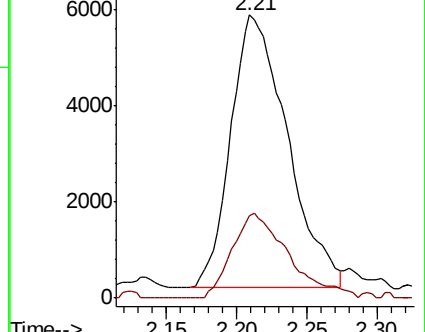
43 100

58 31.0 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV016090.D (-257) (-)

Ion 58.00 (57.70 to 58.70): VV016090.D (-257) (-)



#14

Carbon disulfide

Concen: 5.087 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV016090.D

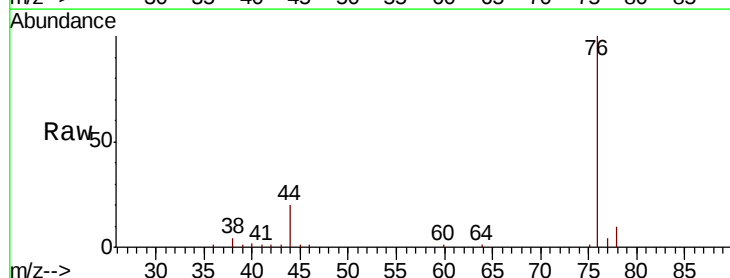
Acq: 18 May 2020 10:09

Tgt Ion: 76 Resp: 29727

Ion Ratio Lower Upper

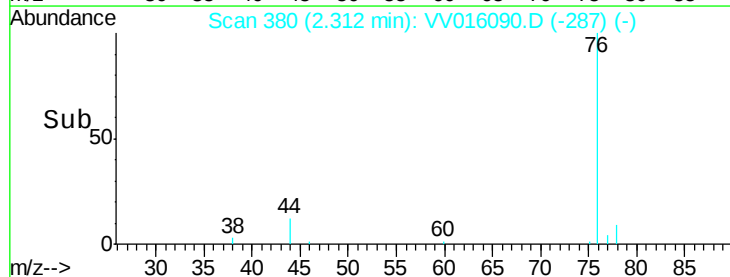
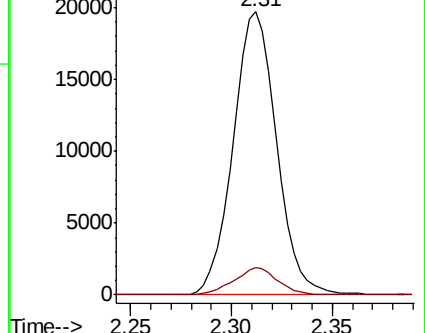
76 100

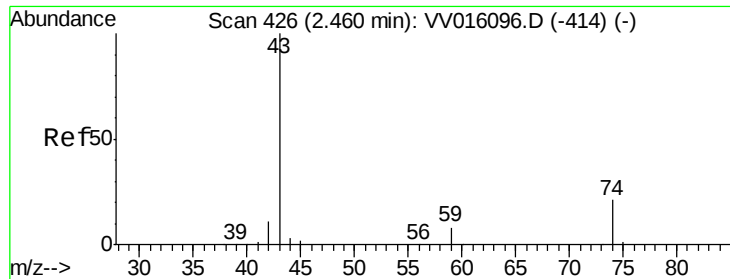
78 9.5 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV016090.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV016090.D (-287) (-)

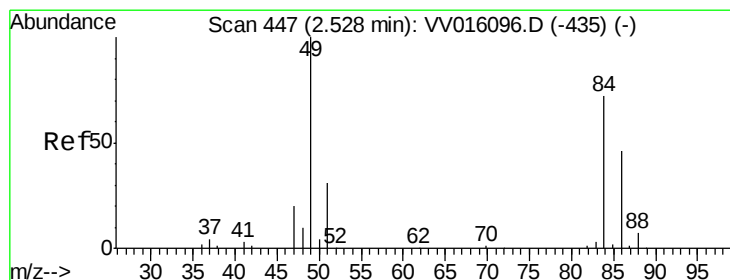
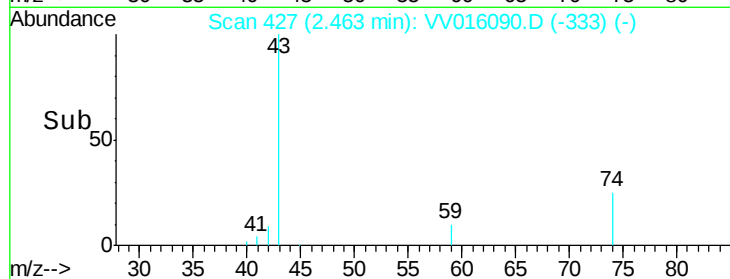
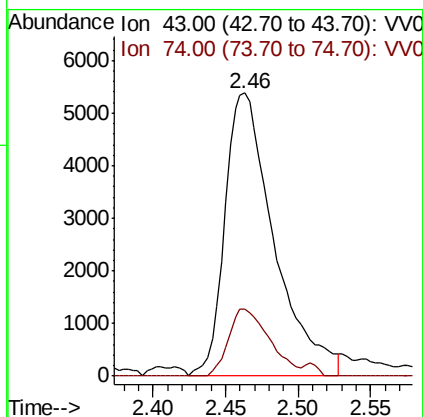
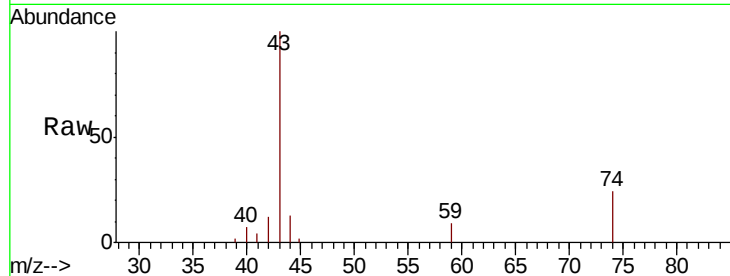




#15
Methvl Acetate
Concen: 6.144 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV016090.D
Acq: 18 May 2020 10:09

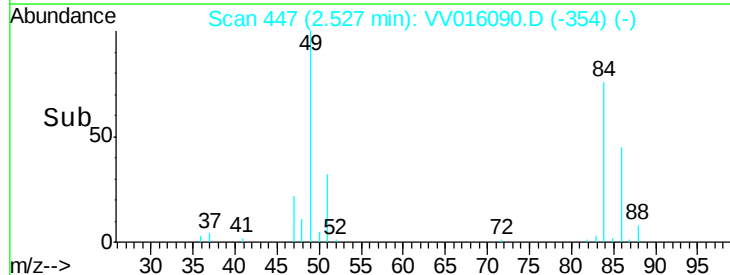
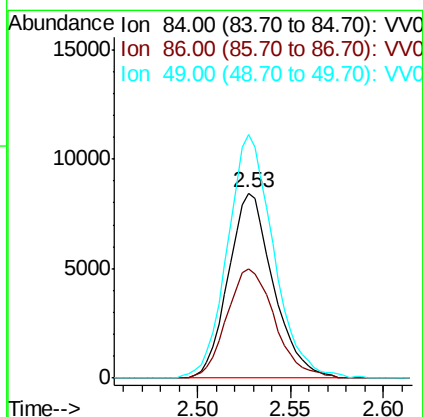
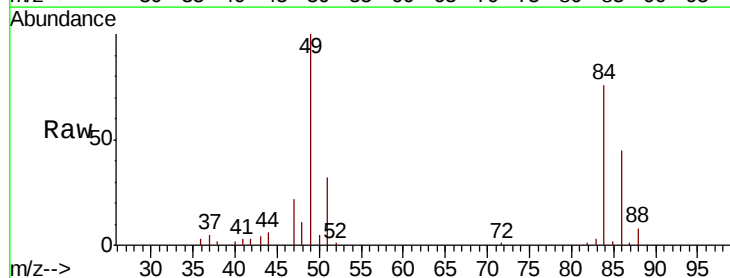
Instrument :
MSVOA_V
ClientSampleId :

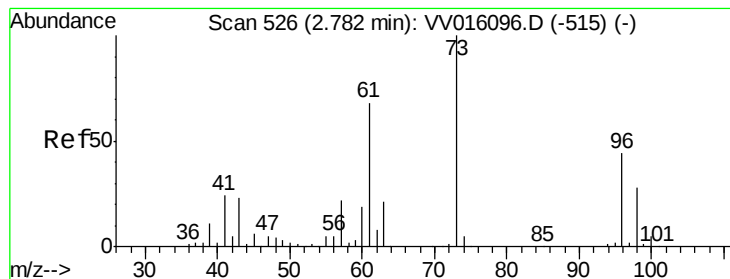
Tot Ion: 43 Resp: 12719
Ion Ratio Lower Upper
43 100
74 19.8 17.3 25.9



#16
Methylene chloride
Concen: 6.238 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV016090.D
Acq: 18 May 2020 10:09

Tgt Ion: 84 Resp: 14206
Ion Ratio Lower Upper
84 100
86 59.0 45.1 83.7
49 131.4 97.8 181.6





#17

trans-1,2-Dichloroethene

Concen: 5.763 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :
MSVOA_V
ClientSampled :

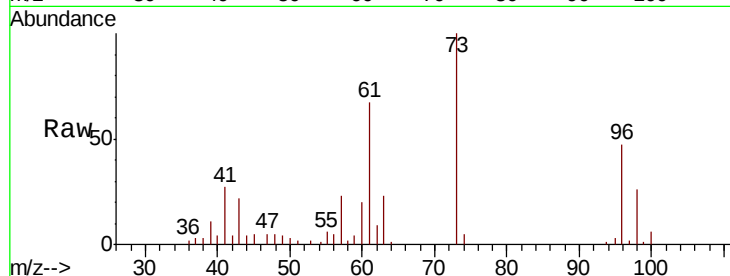
Tot Ion: 96 Resp: 11804

Ion Ratio Lower Upper

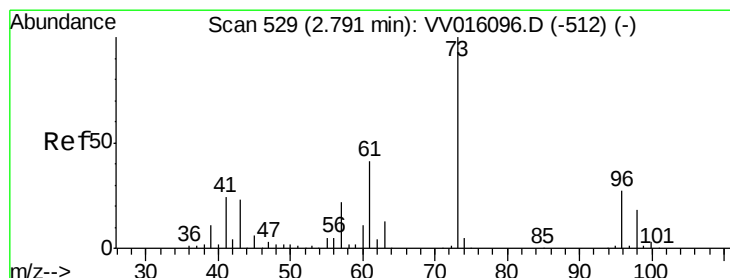
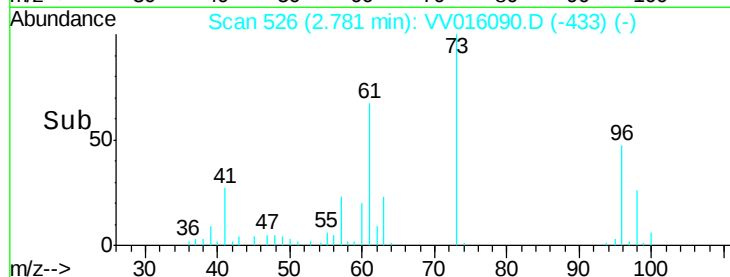
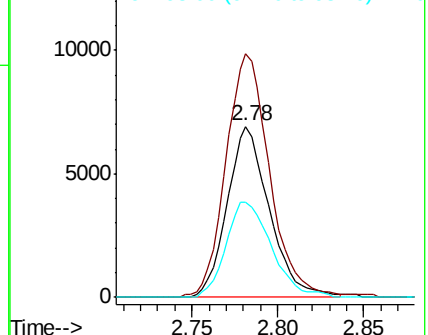
96 100

61 142.6 107.1 198.9

98 56.1 44.0 81.8



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



#18

Methyl tert-butyl Ether

Concen: 5.619 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

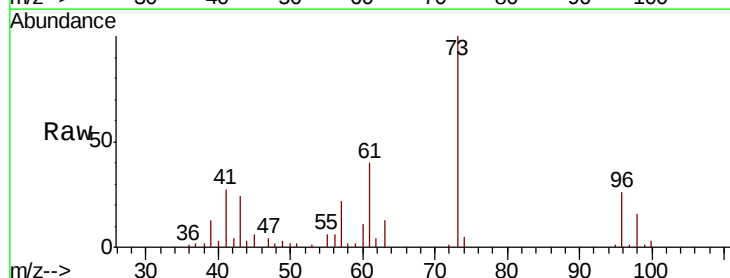
Tgt Ion: 73 Resp: 38214

Ion Ratio Lower Upper

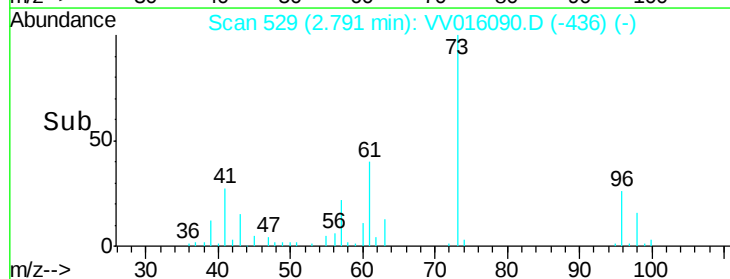
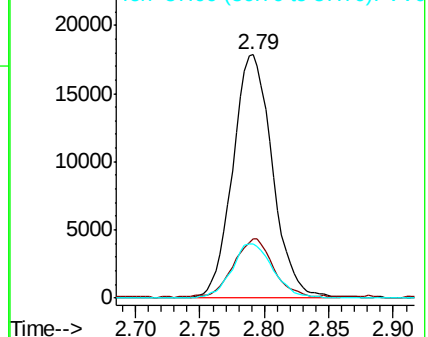
73 100

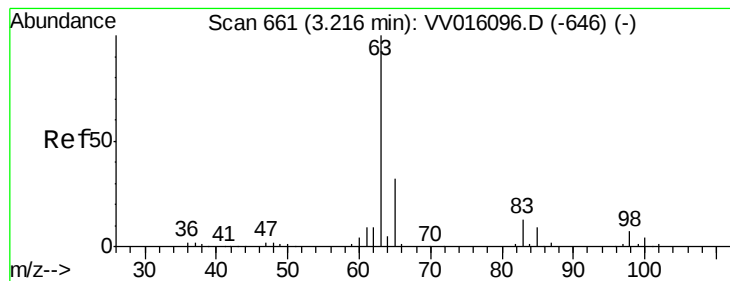
43 25.1 18.2 27.4

57 23.2 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 6.225 ug/L

RT: 3.22 min Scan# 661

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :

MSVOA_V

ClientSampled :

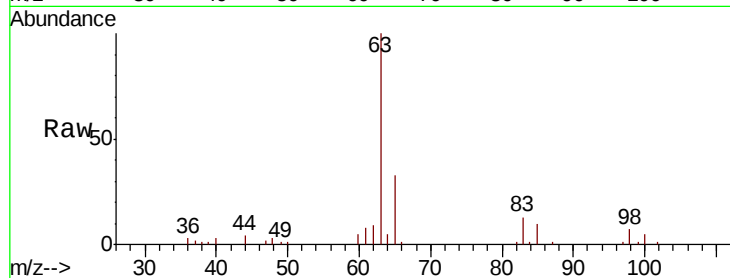
Tot Ion: 63 Resp: 23700

Ion Ratio Lower Upper

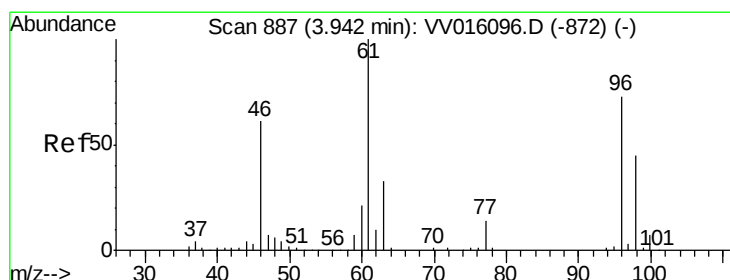
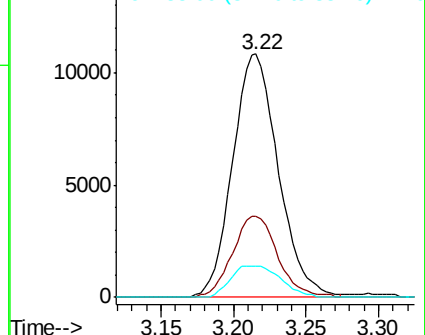
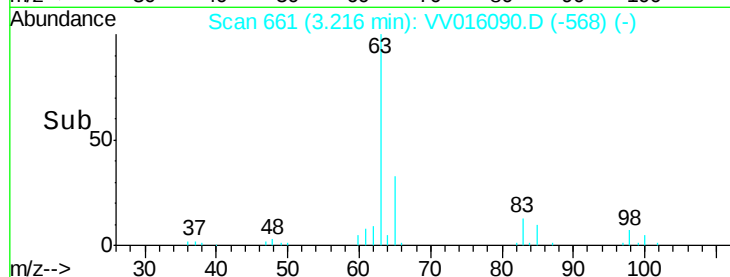
63 100

65 33.4 22.5 41.9

83 12.9 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV016090.D (-568) (-)



#20

cis-1,2-Dichloroethene

Concen: 5.337 ug/L

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

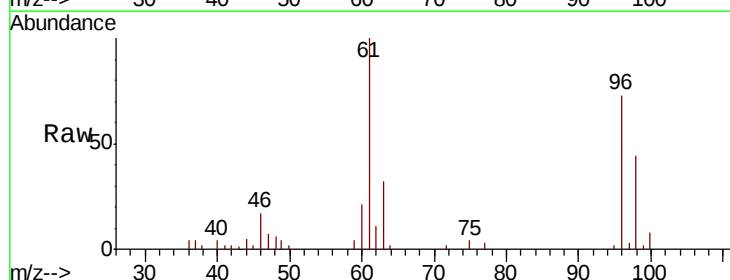
Tgt Ion: 96 Resp: 12495

Ion Ratio Lower Upper

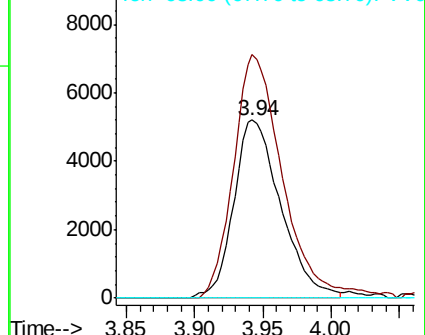
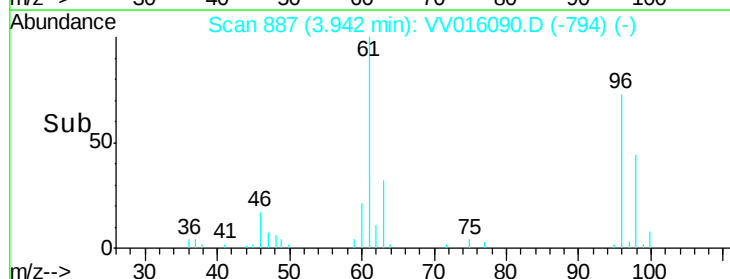
96 100

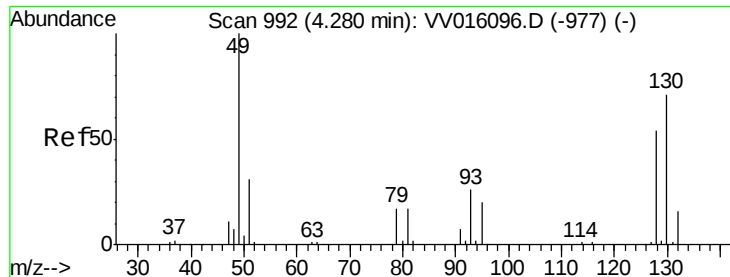
61 136.7 96.5 179.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV016090.D (-794) (-)

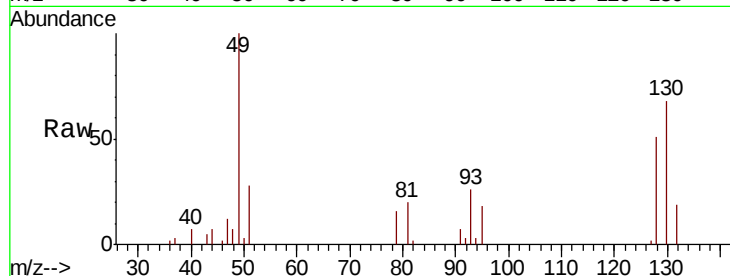




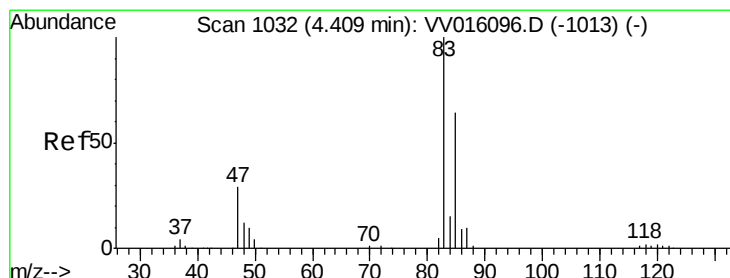
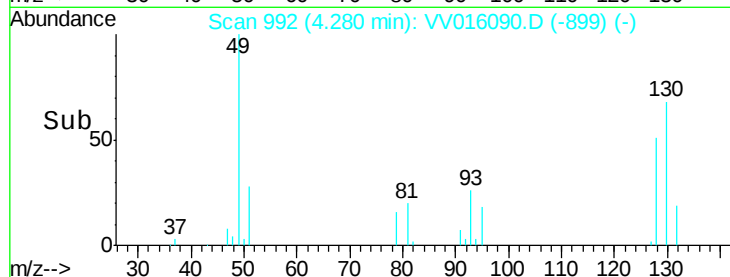
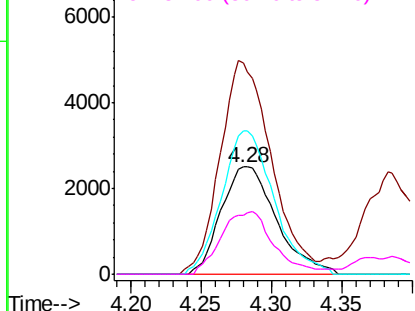
#23
Bromochloromethane
Concen: 5.783 ug/L
RT: 4.28 min Scan# 992
Delta R.T. -0.00 min
Lab File: VV016090.D
Acq: 18 May 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 6834
Ion Ratio Lower Upper
128 100
49 196.6 130.1 241.7
130 133.5 91.4 169.8
51 55.0 45.9 68.9

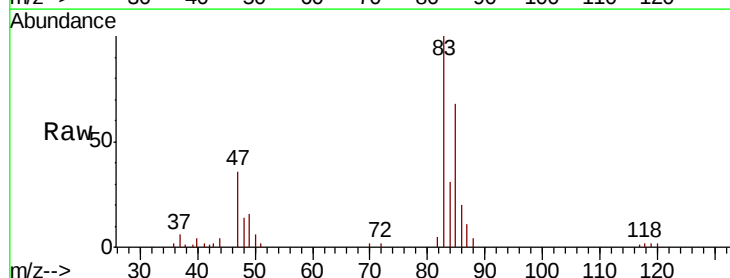


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

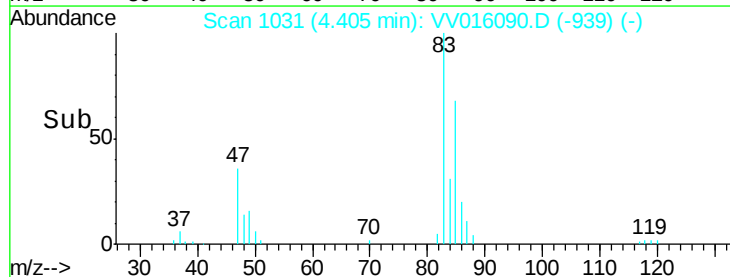
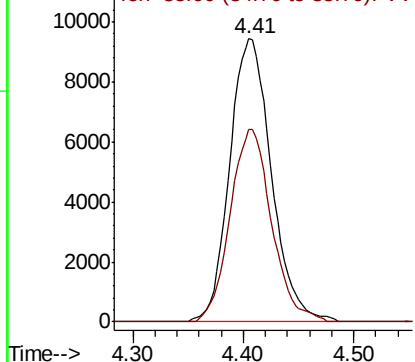


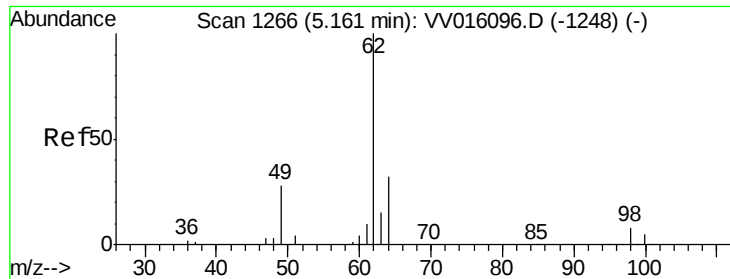
#25
Chloroform
Concen: 5.992 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VV016090.D
Acq: 18 May 2020 10:09

Tgt Ion: 83 Resp: 24800
Ion Ratio Lower Upper
83 100
85 68.1 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

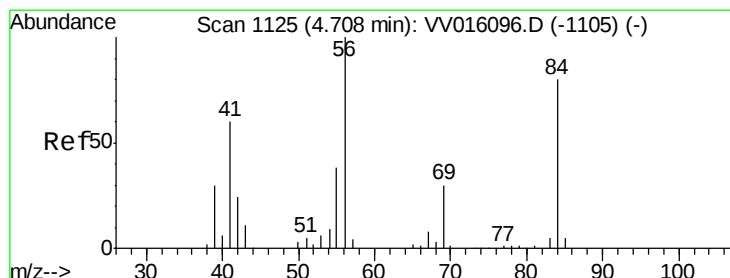
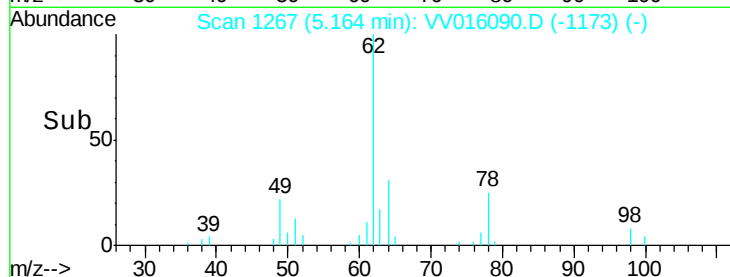
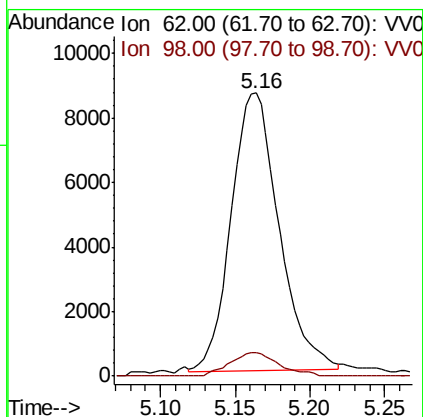
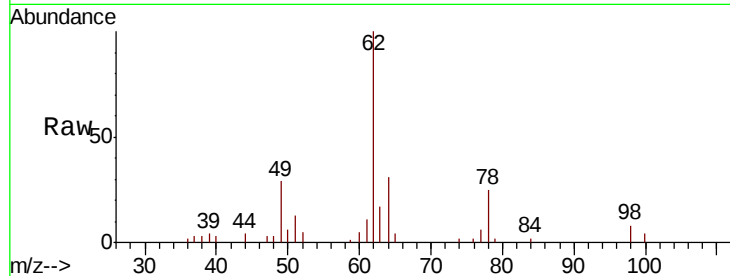




#27
 1,2-Dichloroethane
 Concen: 6.115 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

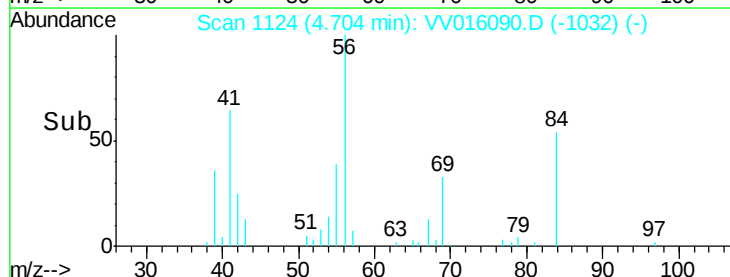
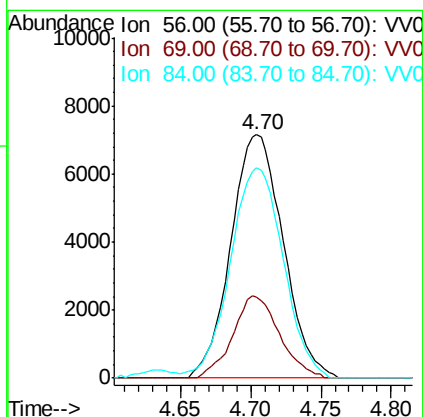
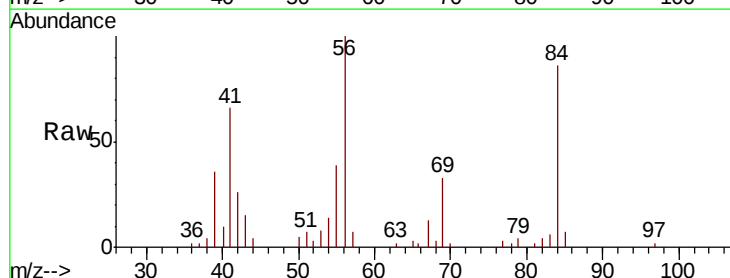
Instrument :
 MSVOA_V
 ClientSampled :

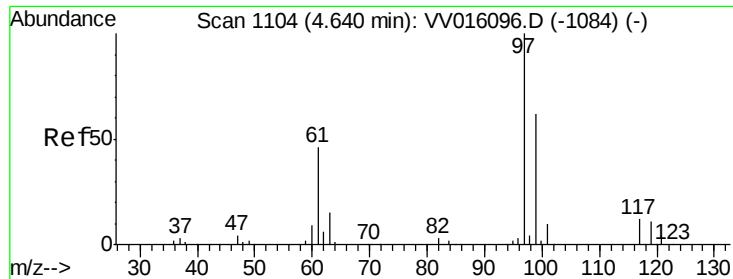
Tot Ion: 62 Resp: 19225
 Ion Ratio Lower Upper
 62 100
 98 8.2 6.6 10.0



#29
 Cyclohexane
 Concen: 5.298 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

Tgt Ion: 56 Resp: 18567
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.9 35.9
 84 87.5 65.7 98.5

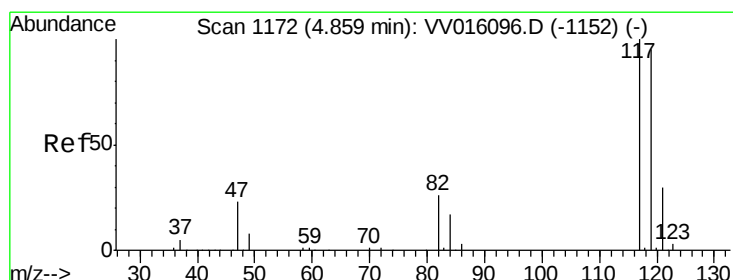
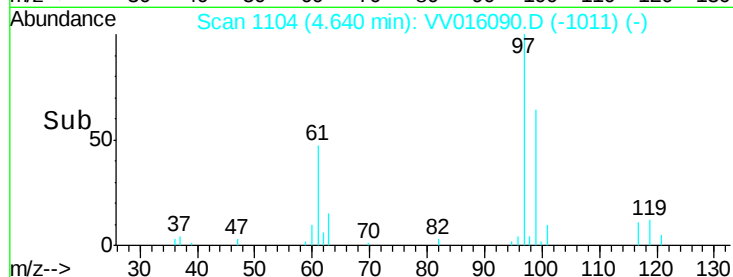
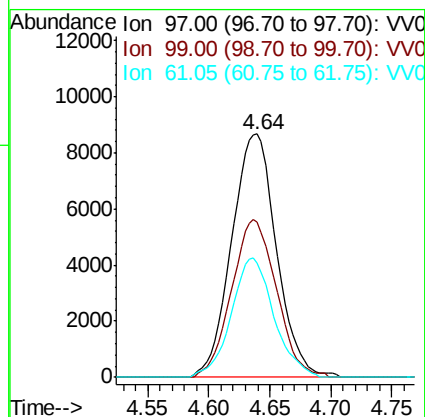
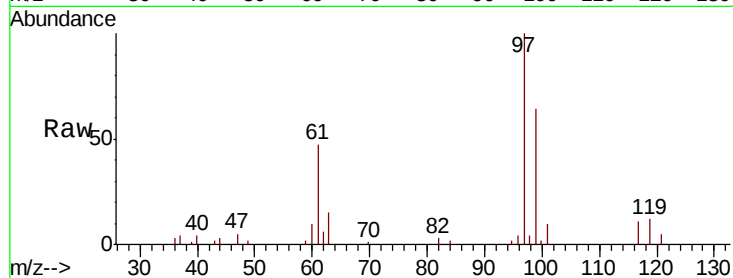




#30
 1,1,1-Trichloroethane
 Concen: 5.885 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

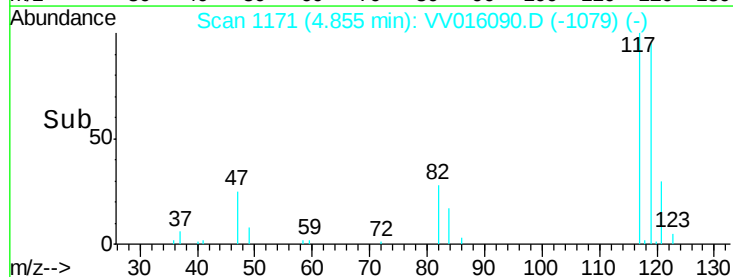
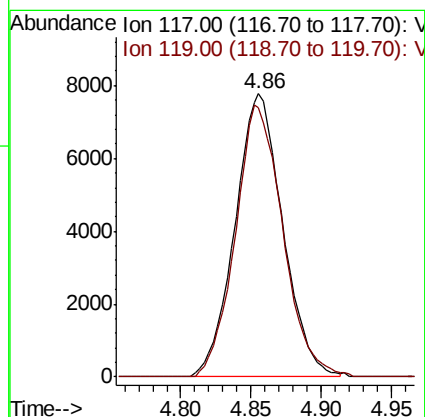
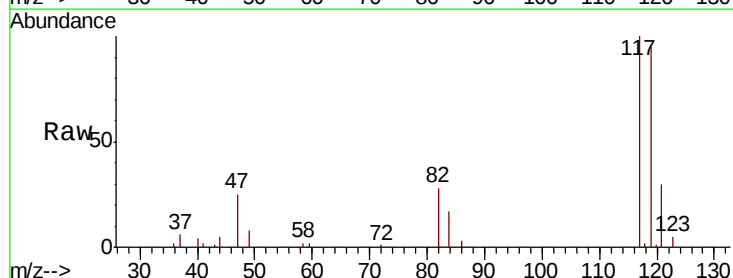
Instrument :
 MSVOA_V
 ClientSampled :

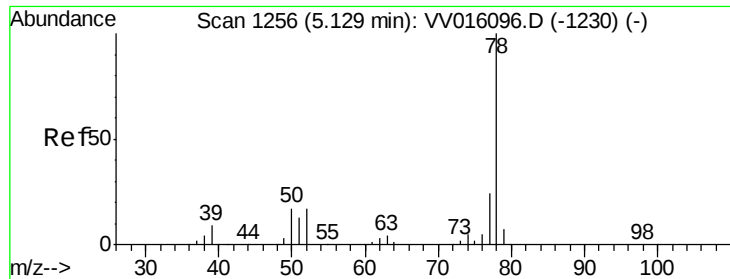
Tot Ion: 97 Resp: 22087
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.2 75.4
 61 46.7 37.5 56.3



#31
 Carbon tetrachloride
 Concen: 5.747 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

Tgt Ion: 117 Resp: 18388
 Ion Ratio Lower Upper
 117 100
 119 95.5 75.7 113.5





#33

Benzene

Concen: 5.635 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VV016090.D

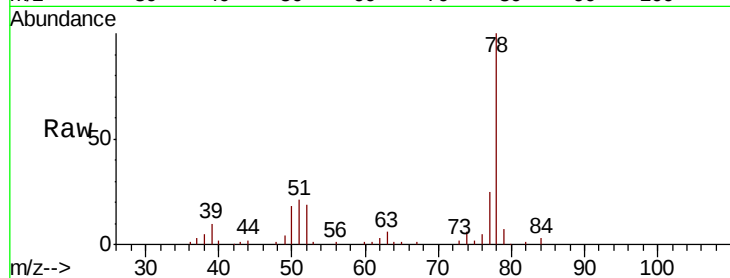
Acq: 18 May 2020 10:09

Instrument :

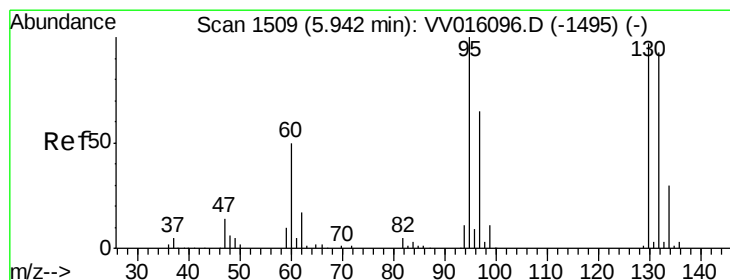
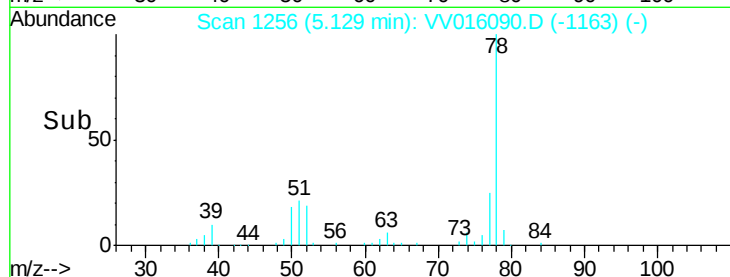
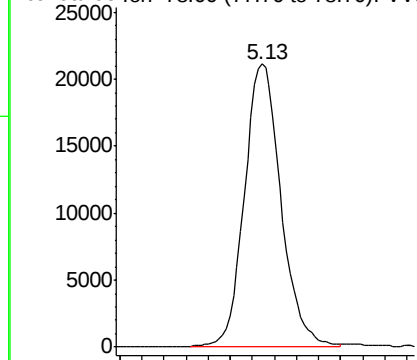
MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 48692



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 5.600 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Tgt Ion: 95 Resp: 12755

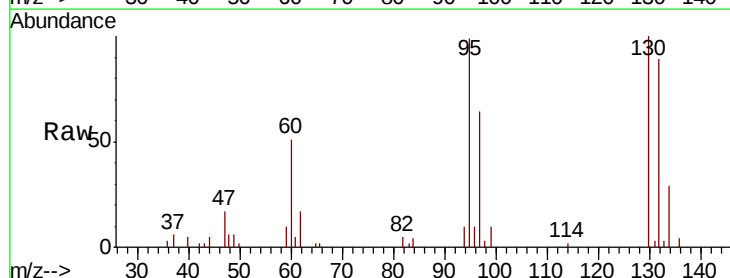
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.7	84.9
132	89.8	65.4	121.4
130	101.2	68.0	126.2

95 100

97 64.9 45.7 84.9

132 89.8 65.4 121.4

130 101.2 68.0 126.2

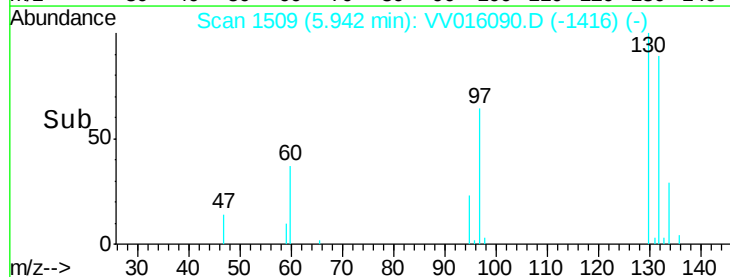
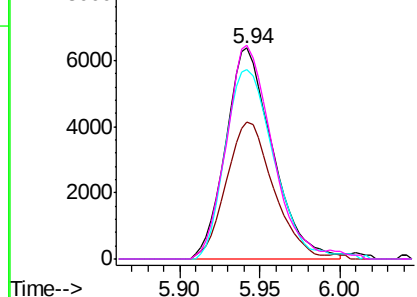


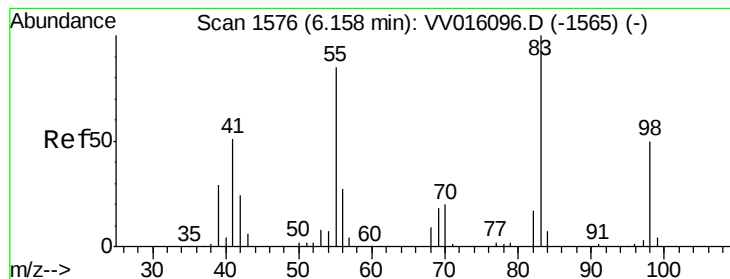
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#35

Methvlcvclohexane

Concen: 5.083 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :
MSVOA_V
ClientSampleId :

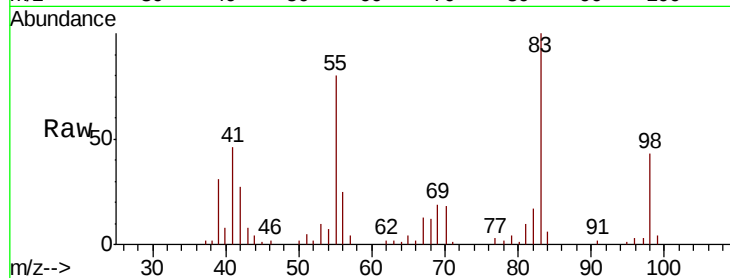
Tot Ion: 83 Resp: 18883

Ion Ratio Lower Upper

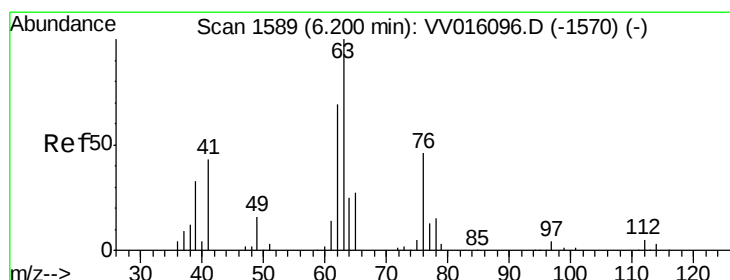
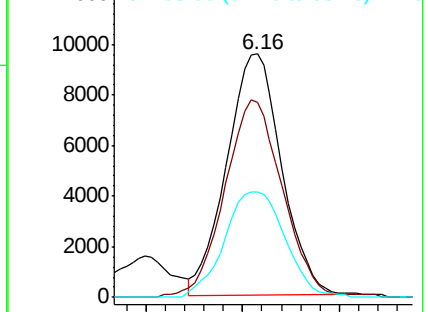
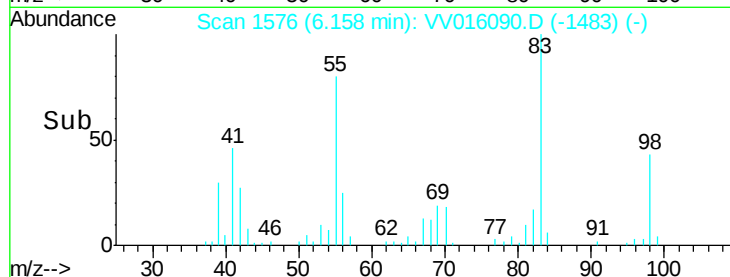
83 100

55 85.9 66.2 99.2

98 48.1 39.9 59.9



Abundance Ion 83.00 (82.70 to 83.70): VV016090.D (-1483) (-)



#37

1,2-Dichloropropane

Concen: 5.910 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VV016090.D

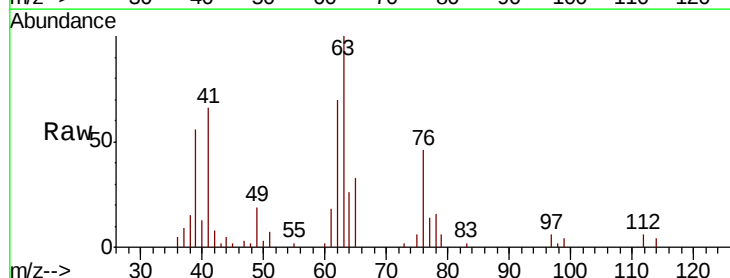
Acq: 18 May 2020 10:09

Tgt Ion: 63 Resp: 12742

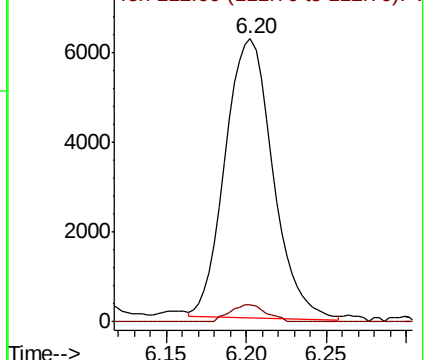
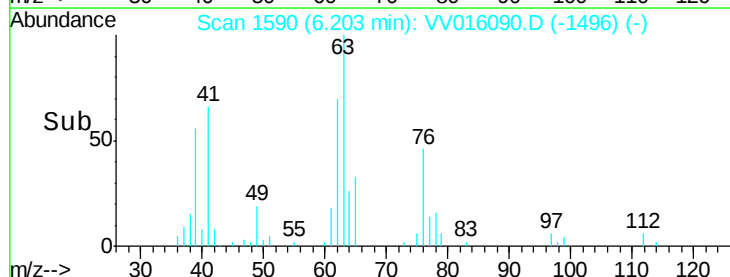
Ion Ratio Lower Upper

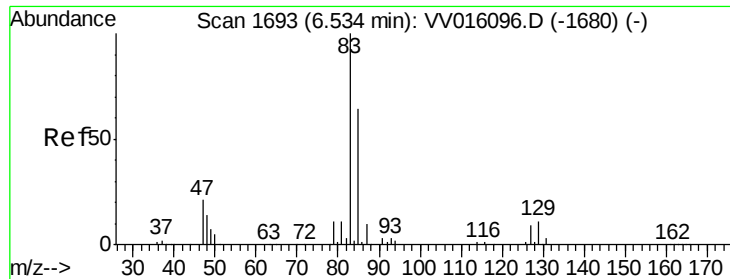
63 100

112 4.7 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV016090.D (-1496) (-)

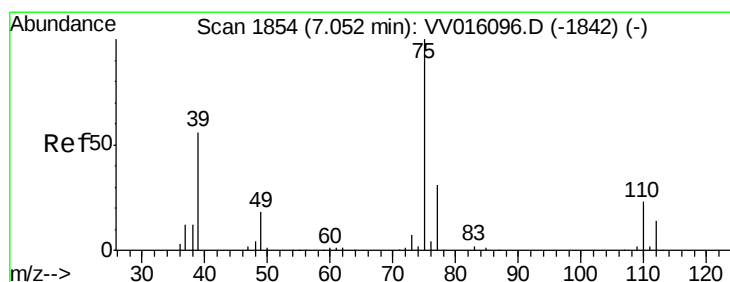
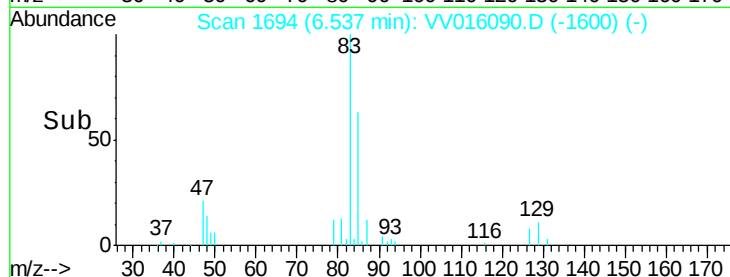
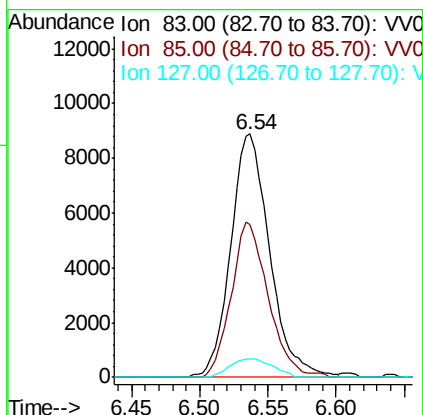
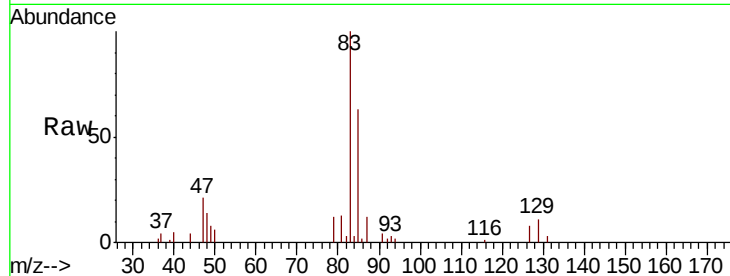




#38
 Bromodichloromethane
 Concen: 5.700 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

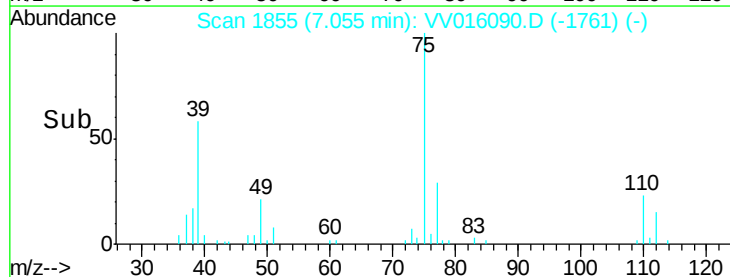
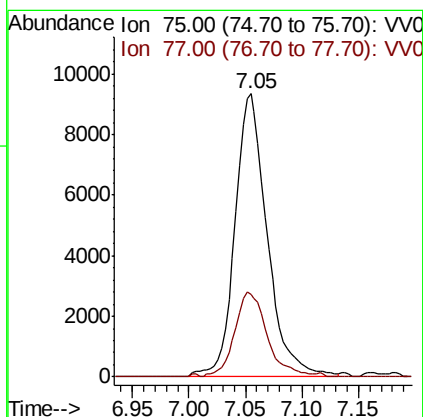
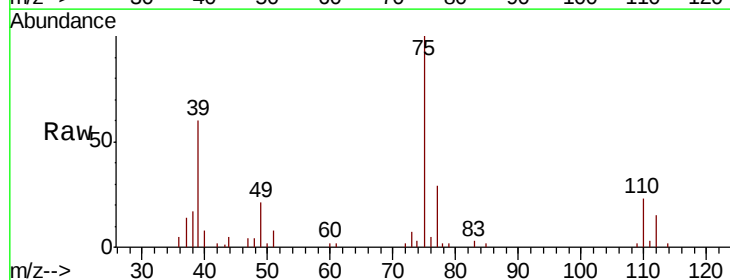
Instrument :
 MSVOA_V
 ClientSampleId :

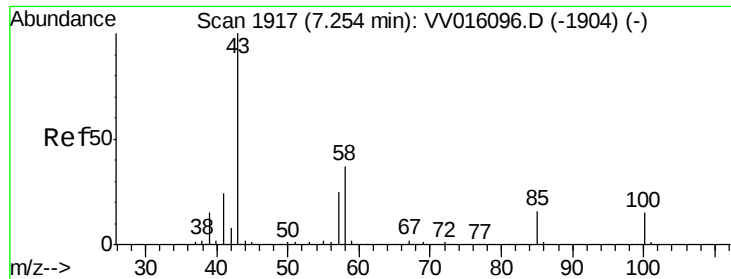
Tot Ion: 83 Resp: 17662
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.7 82.9
 127 7.8 7.1 10.7



#39
 cis-1,3-Dichloropropene
 Concen: 5.216 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

Tgt Ion: 75 Resp: 18605
 Ion Ratio Lower Upper
 75 100
 77 29.0 22.3 41.3

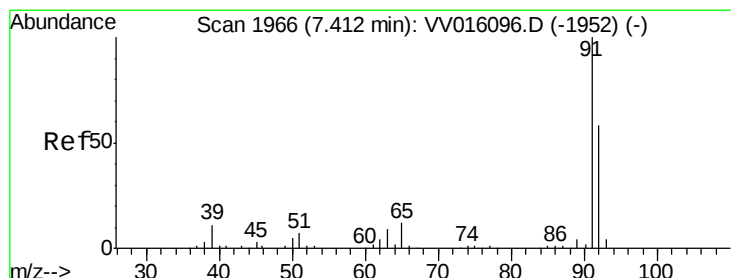
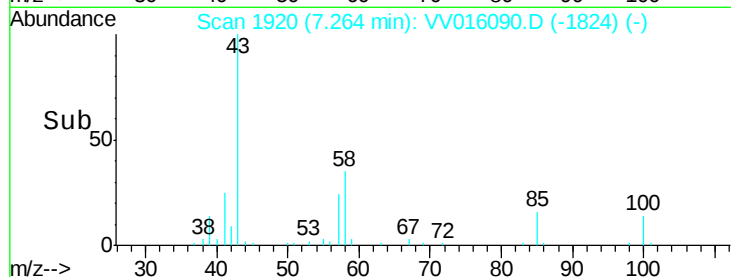
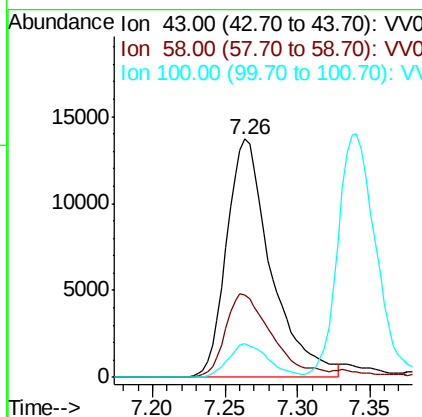
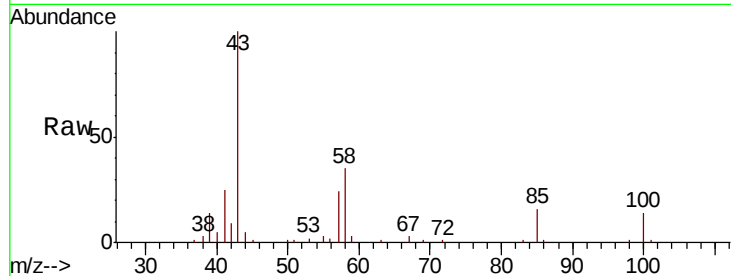




#40
4-Methyl-2-pentanone
Concen: 9.772 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VV016090.D
Acq: 18 May 2020 10:09

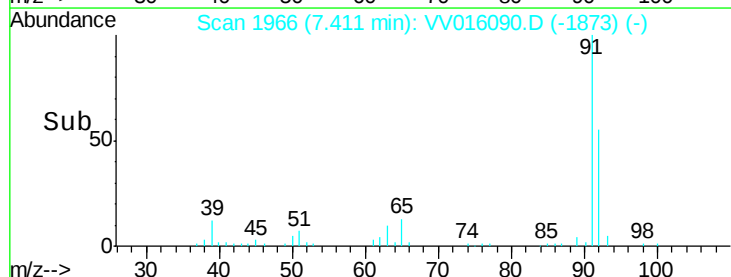
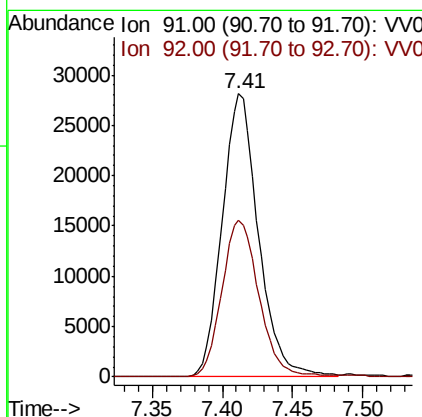
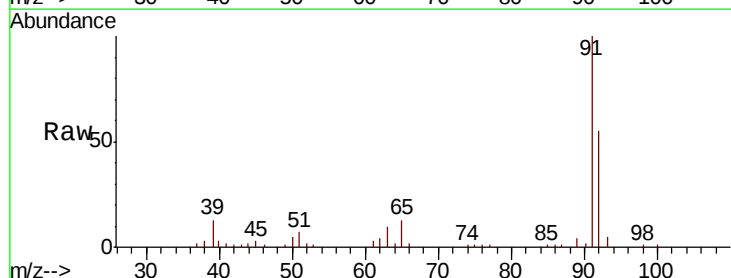
Instrument :
MSVOA_V
ClientSampleId :

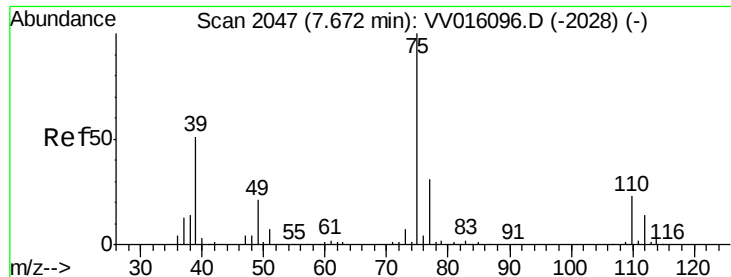
Tot Ion: 43 Resp: 29214
Ion Ratio Lower Upper
43 100
58 35.0 29.4 44.2
100 12.8 11.0 16.6



#42
Toluene
Concen: 5.285 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VV016090.D
Acq: 18 May 2020 10:09

Tgt Ion: 91 Resp: 50504
Ion Ratio Lower Upper
91 100
92 55.2 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 5.117 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :

MSVOA_V

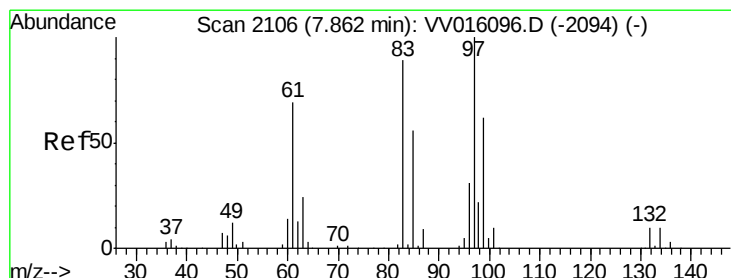
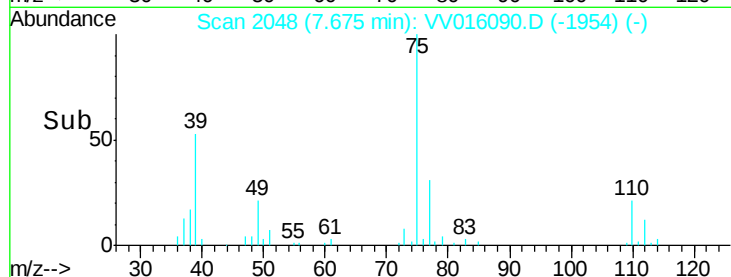
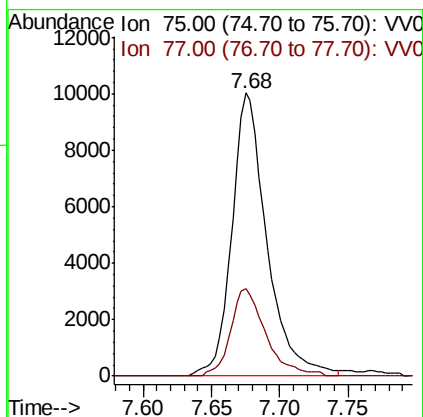
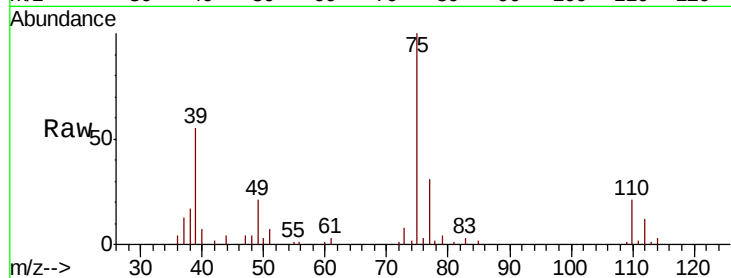
ClientSampled :

Tot Ion: 75 Resp: 17885

Ion Ratio Lower Upper

75 100

77 30.7 21.3 39.6



#45

1,1,2-Trichloroethane

Concen: 5.544 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Tgt Ion: 97 Resp: 12279

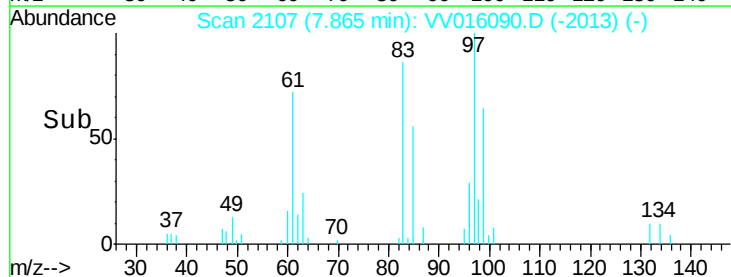
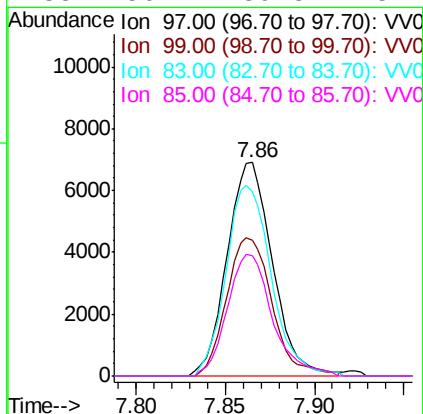
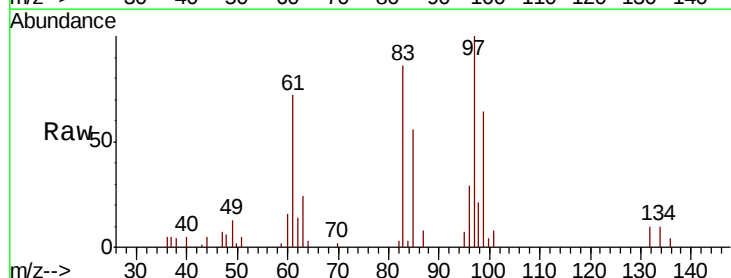
Ion Ratio Lower Upper

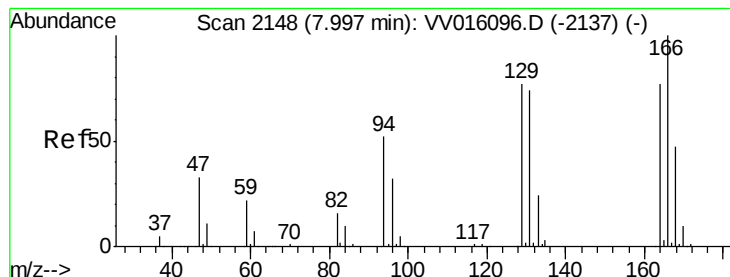
97 100

99 63.5 43.6 81.0

83 86.1 62.0 115.2

85 56.4 39.3 73.1





#46

Tetrachloroethene

Concen: 5.971 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 9831

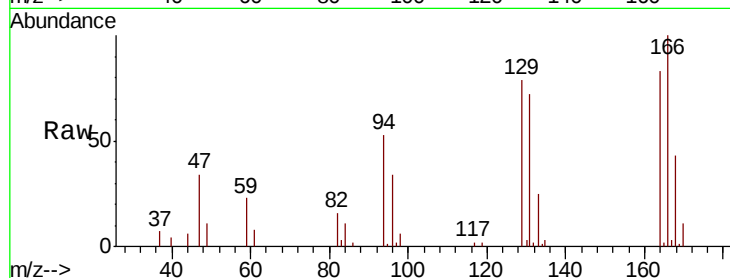
Ion Ratio Lower Upper

164 100

129 96.2 70.3 130.7

131 86.7 67.1 124.5

166 121.2 90.9 168.9

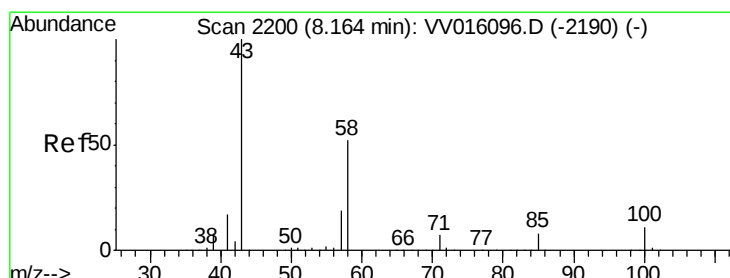
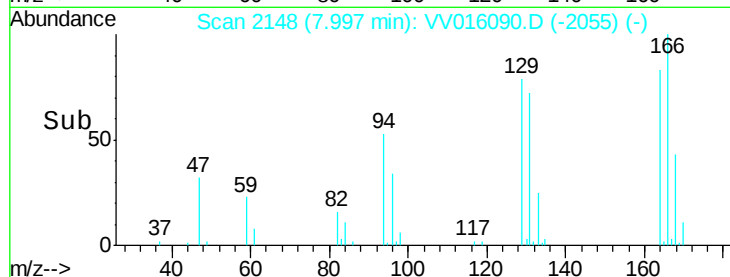
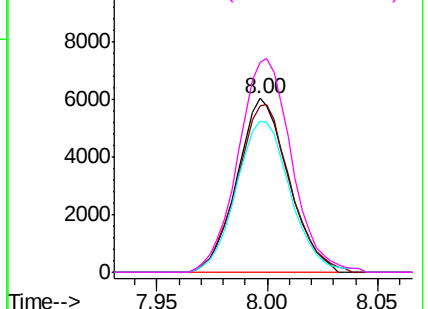


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 9.631 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.02 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Tgt Ion: 43 Resp: 21726

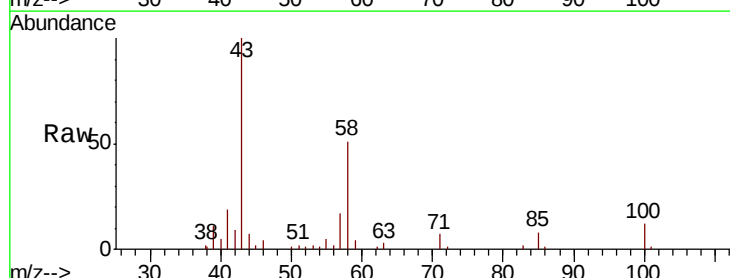
Ion Ratio Lower Upper

43 100

58 47.7 40.9 61.3

57 17.1 15.0 22.4

100 11.8 9.0 13.6

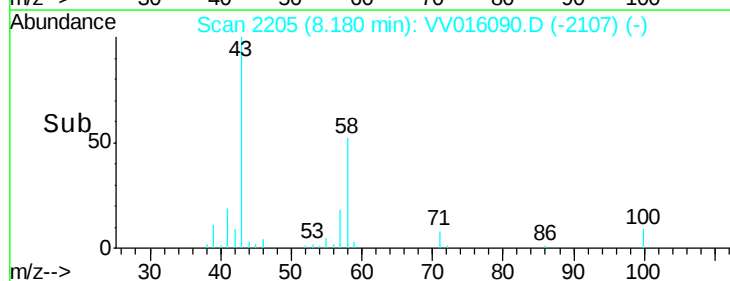
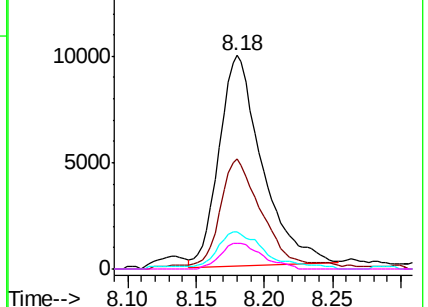


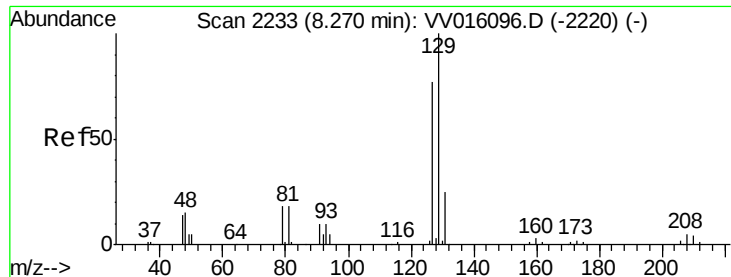
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 4.954 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

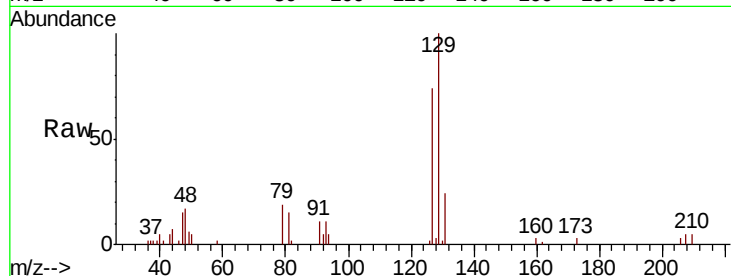
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 12017

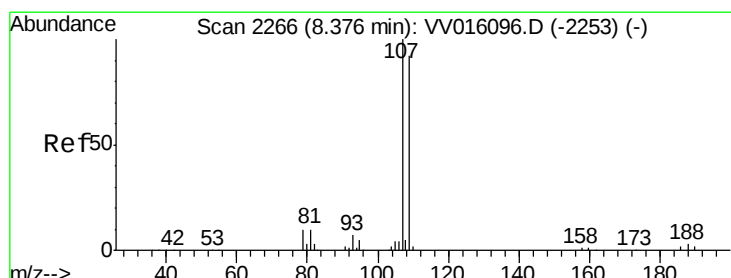
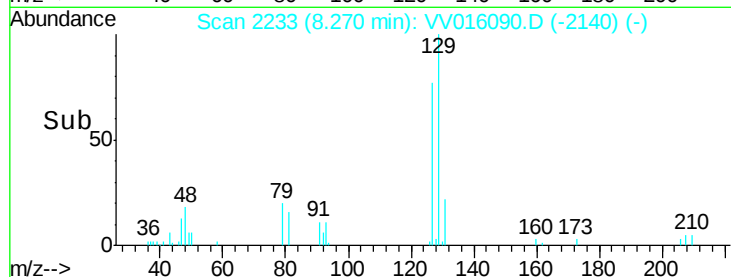
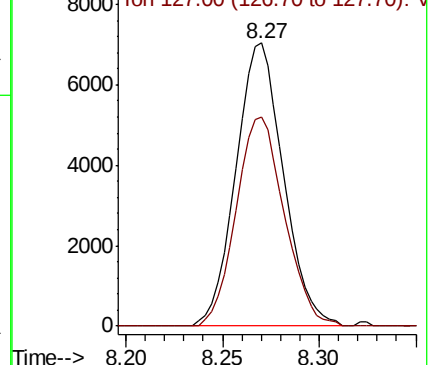
Ion Ratio Lower Upper

129 100

127 74.0 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 5.412 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

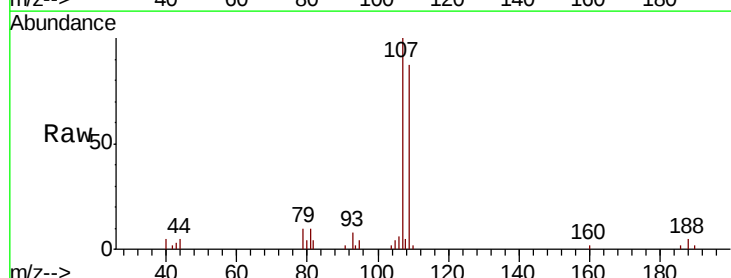
Tgt Ion:107 Resp: 12693

Ion Ratio Lower Upper

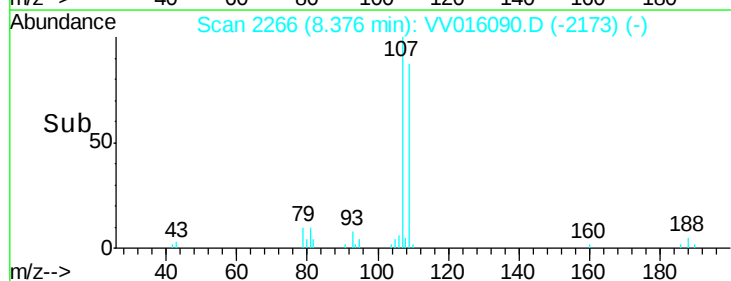
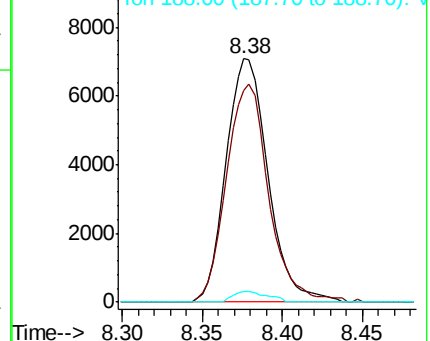
107 100

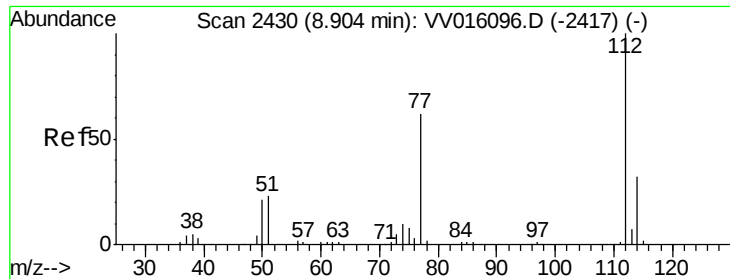
109 86.7 64.6 120.0

188 4.5 2.7 4.1#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 5.509 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :
MSVOA_V
ClientSampled :

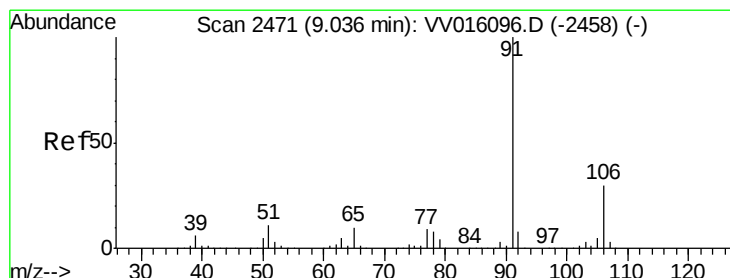
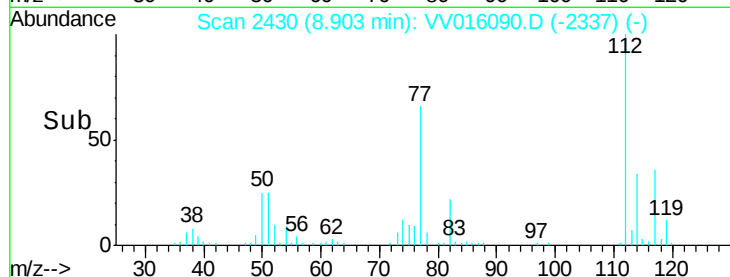
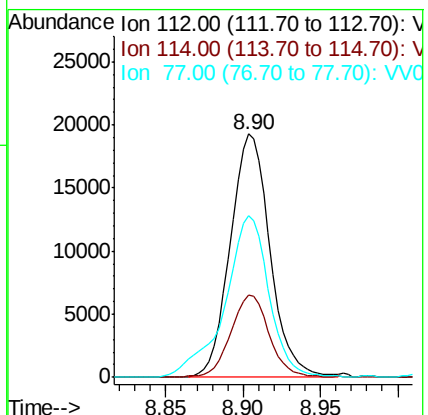
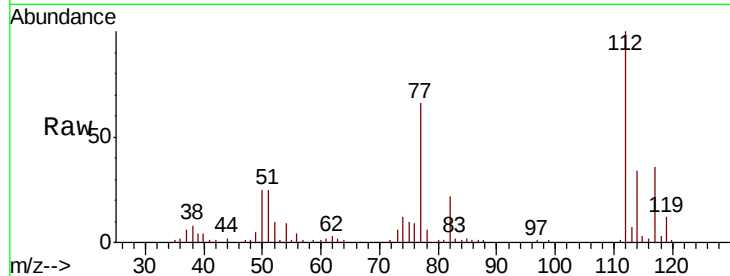
Tot Ion:112 Resp: 34397

Ion Ratio Lower Upper

112 100

114 33.7 22.5 41.9

77 66.4 50.4 75.6



#52

Ethylbenzene

Concen: 5.319 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VV016090.D

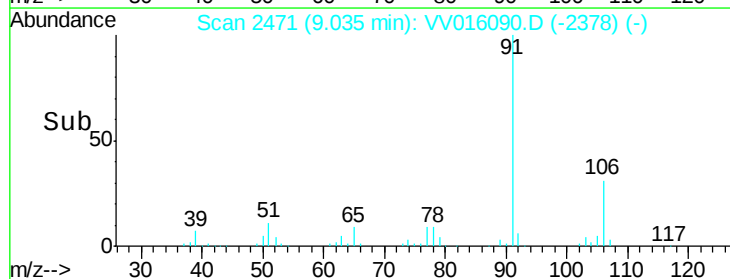
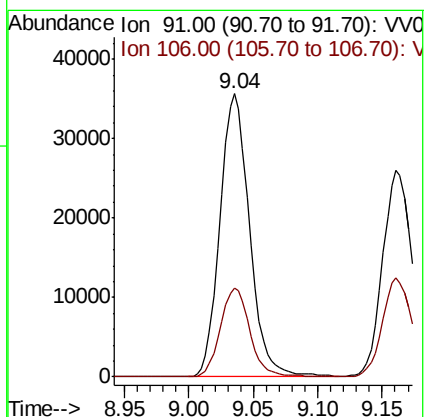
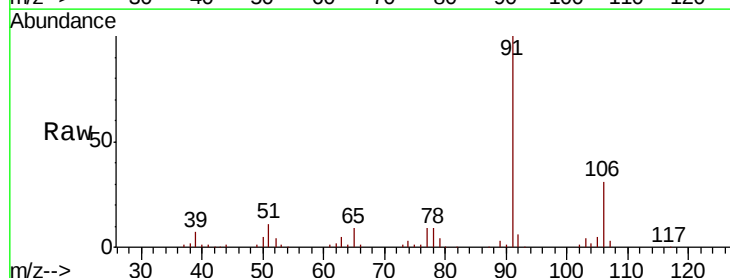
Acq: 18 May 2020 10:09

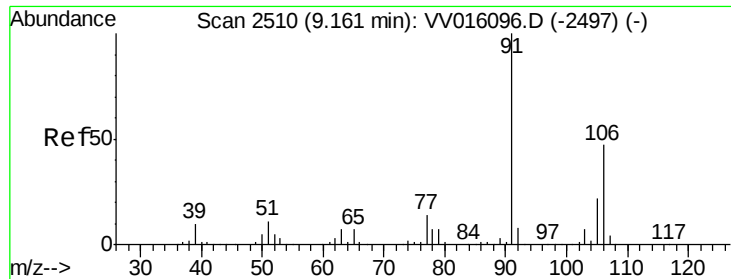
Tgt Ion: 91 Resp: 57051

Ion Ratio Lower Upper

91 100

106 31.3 21.2 39.4





#53

m,p-Xylene

Concen: 5.035 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

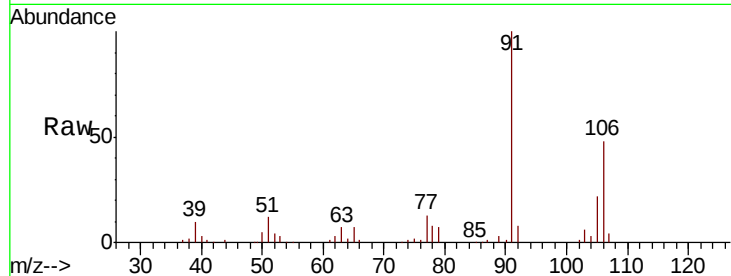
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 20664

Ion Ratio Lower Upper

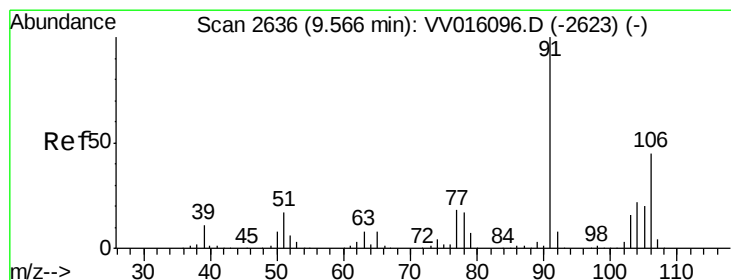
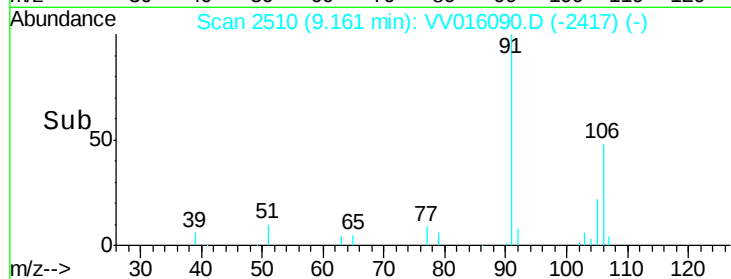
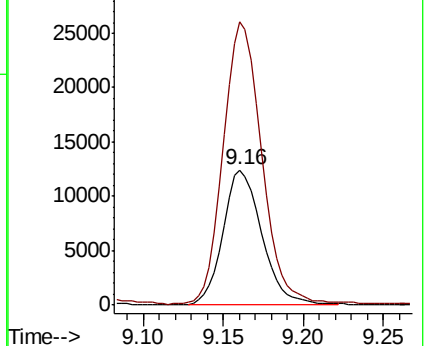
106 100

91 208.9 147.8 274.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 4.932 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016090.D

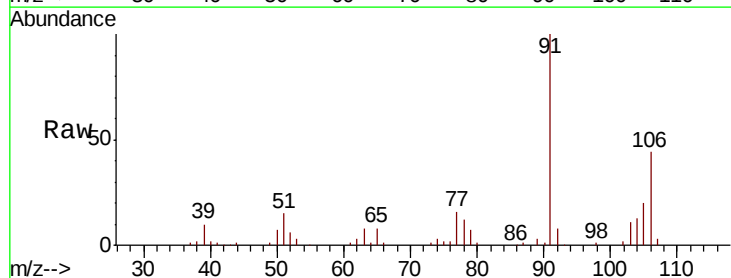
Acq: 18 May 2020 10:09

Tgt Ion:106 Resp: 20212

Ion Ratio Lower Upper

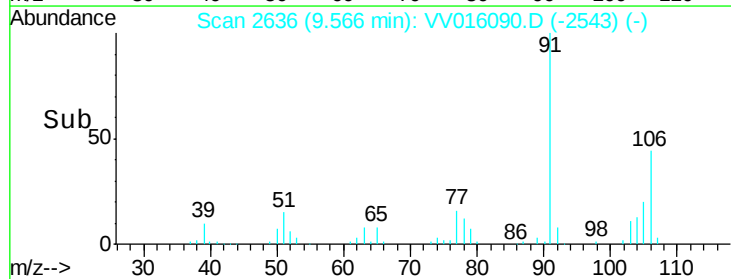
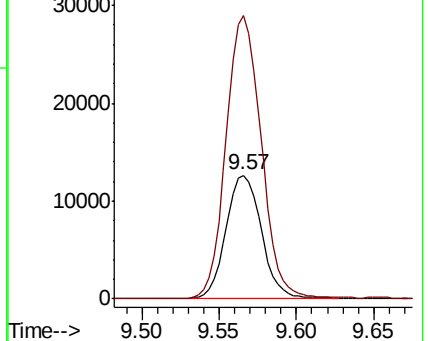
106 100

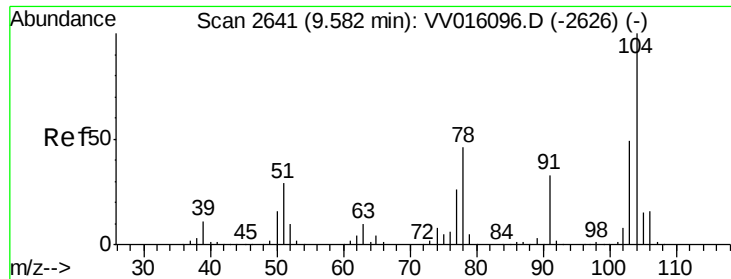
91 229.1 154.5 286.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 4.737 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

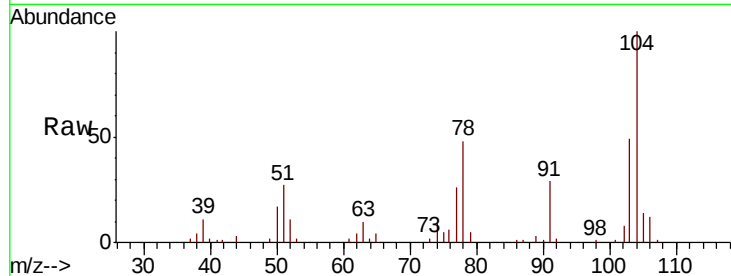
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 32601

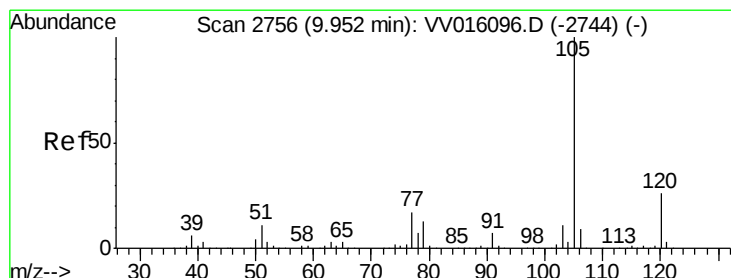
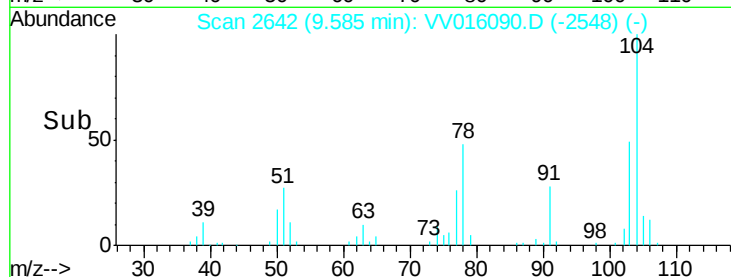
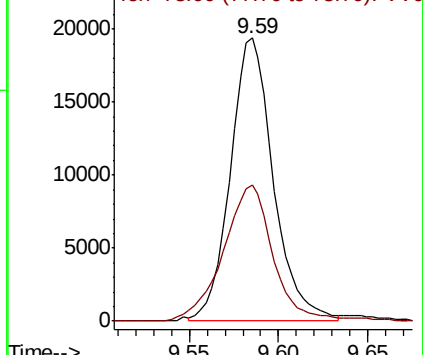
Ion Ratio Lower Upper

104 100

78 48.2 32.6 60.6



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



#56

Isopropylbenzene

Concen: 4.851 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

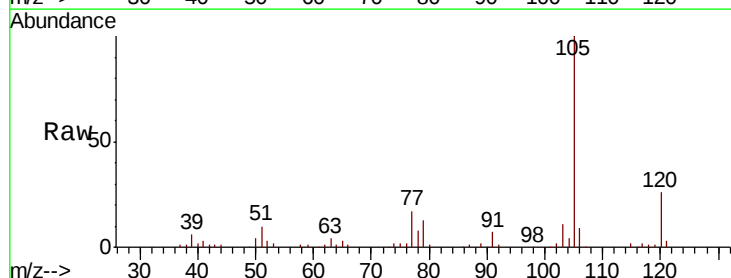
Tgt Ion:105 Resp: 51836

Ion Ratio Lower Upper

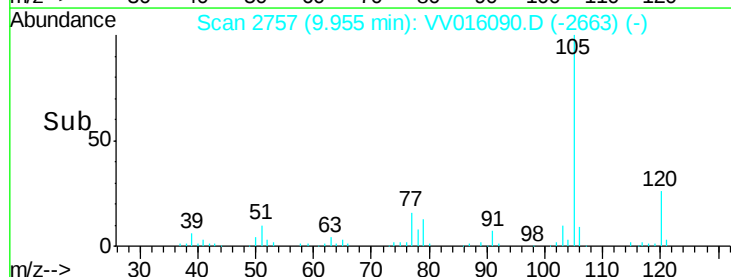
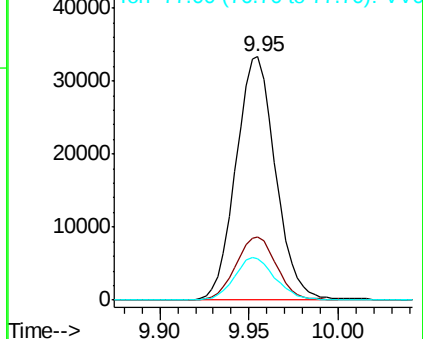
105 100

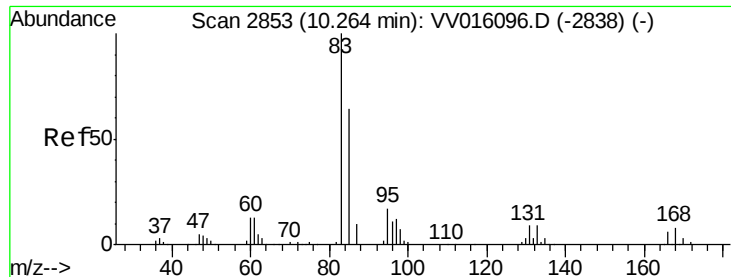
120 26.4 20.6 31.0

77 17.7 13.3 19.9



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): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 5.289 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :

MSVOA_V

ClientSampled :

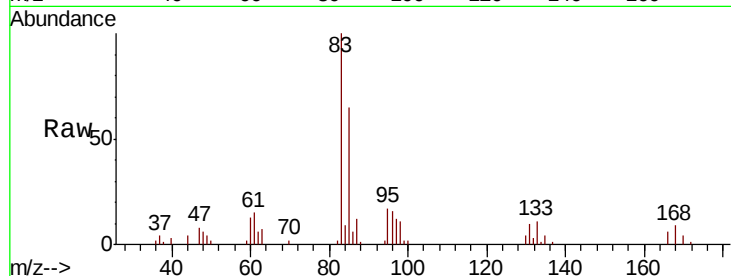
Tot Ion: 83 Resp: 18771

Ion Ratio Lower Upper

83 100

85 65.2 44.8 83.2

131 10.1 7.6 11.4

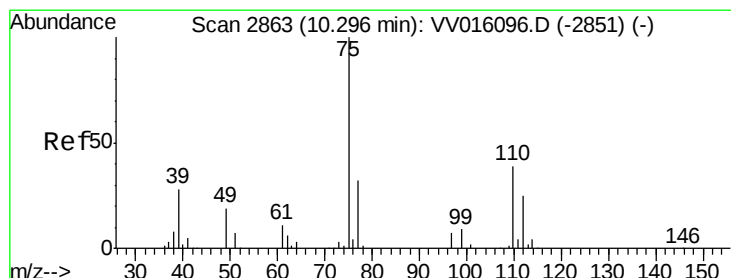
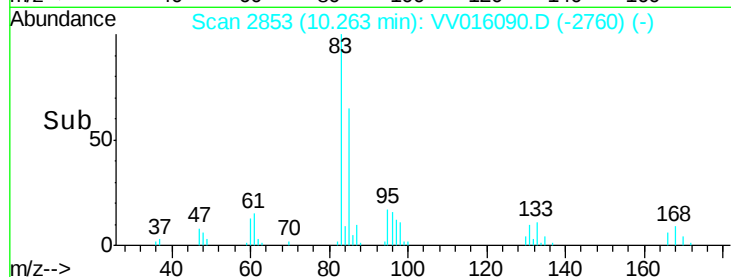


Abundance Ion 83.00 (82.70 to 83.70): VV016090.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016090.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV016090.D (-2760) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.516 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VV016090.D

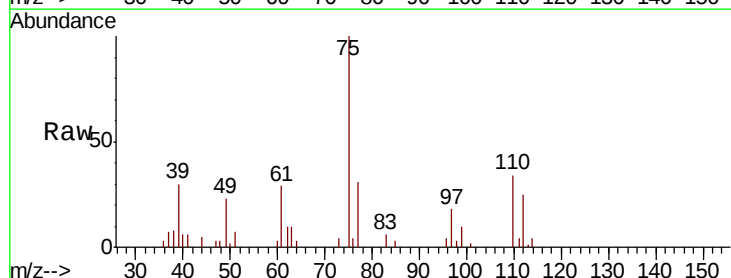
Acq: 18 May 2020 10:09

Tgt Ion: 75 Resp: 15671

Ion Ratio Lower Upper

75 100

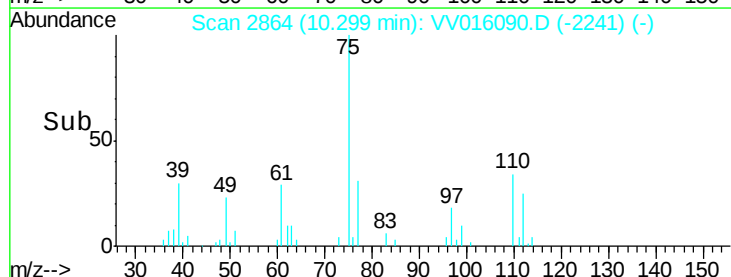
77 32.6 25.5 38.3

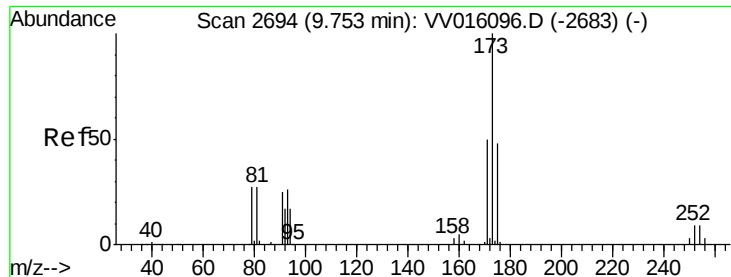


Abundance Ion 75.00 (74.70 to 75.70): VV016090.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016090.D (-2241) (-)

Time-->





#61

Bromoform

Concen: 4.736 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :
MSVOA_V
ClientSampled :

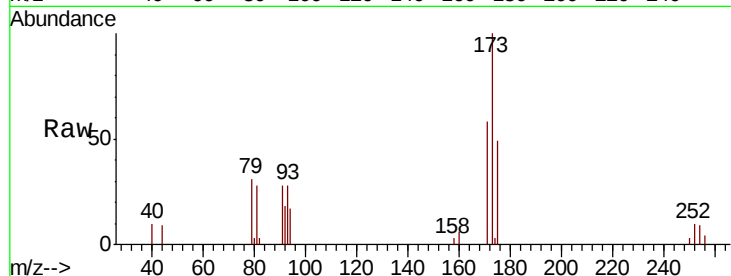
Tot Ion:173 Resp: 7190

Ion Ratio Lower Upper

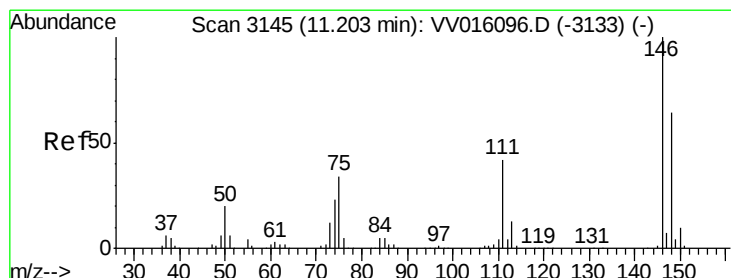
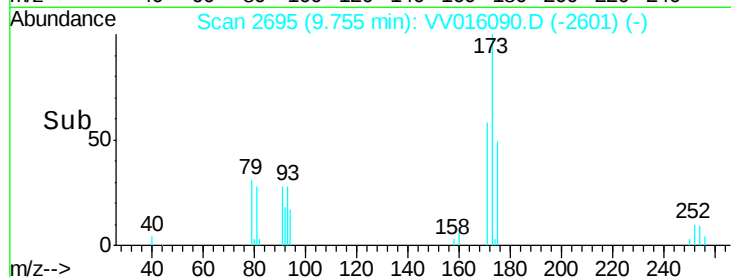
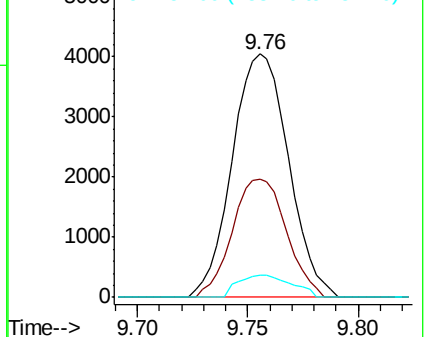
173 100

175 46.6 38.3 57.5

254 8.7 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 5.461 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016090.D

Acq: 18 May 2020 10:09

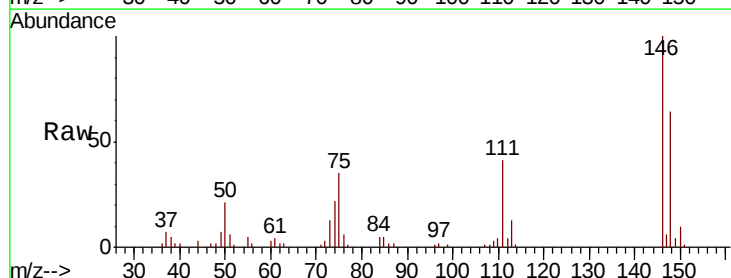
Tgt Ion:146 Resp: 25196

Ion Ratio Lower Upper

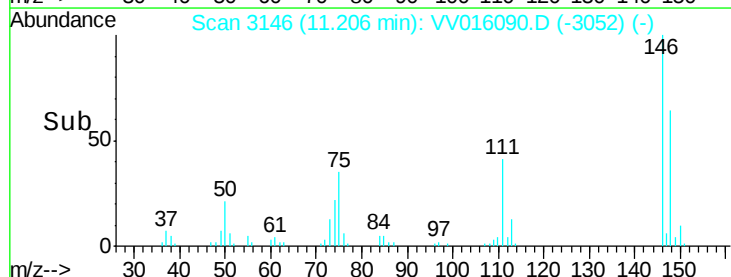
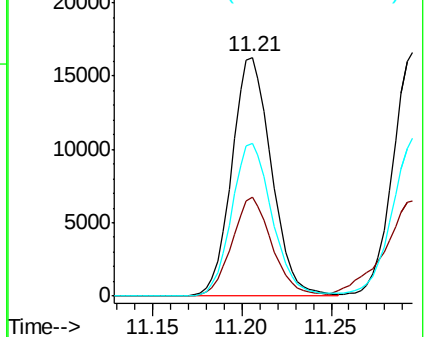
146 100

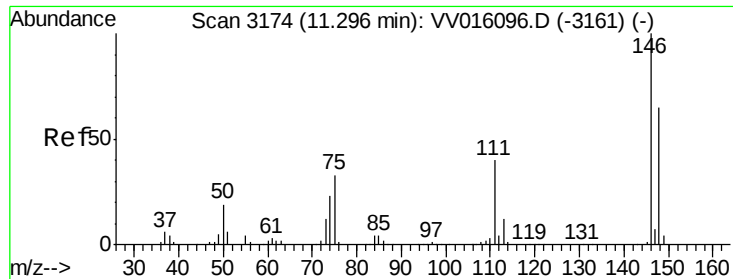
111 41.3 29.1 54.1

148 64.2 44.5 82.7



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

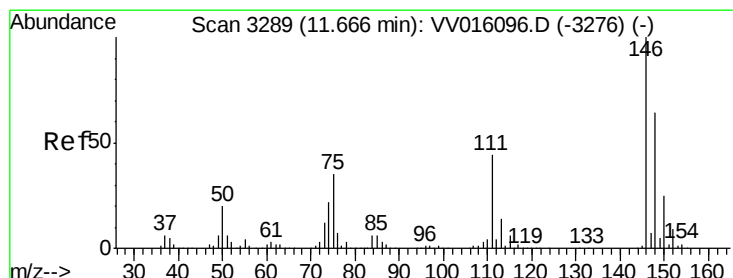
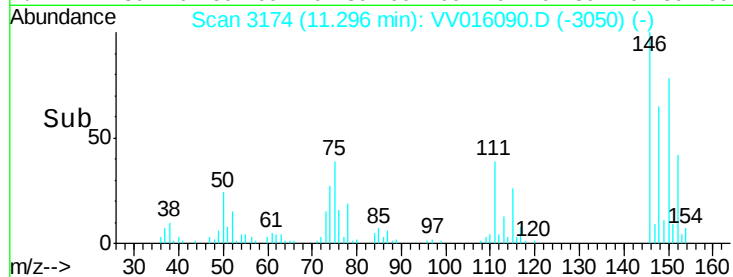
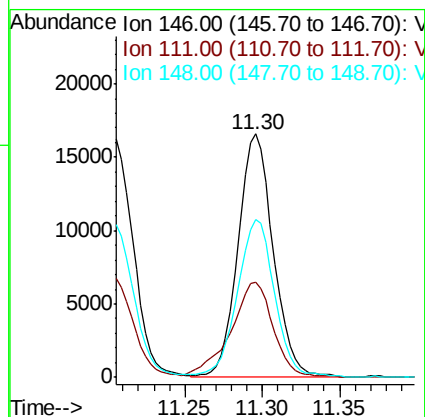
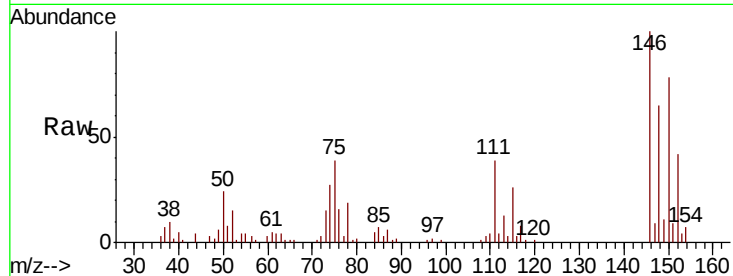




#63
 1,4-Dichlorobenzene
 Concen: 5.605 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

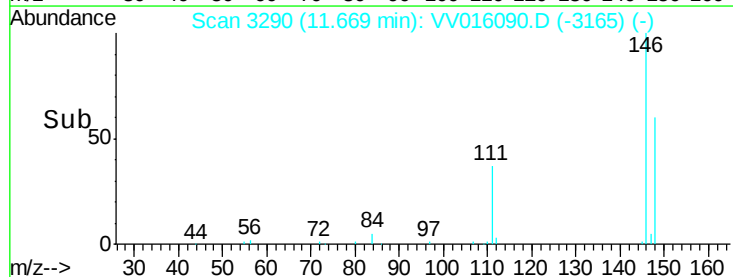
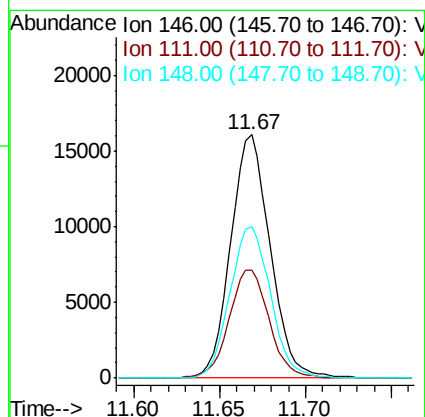
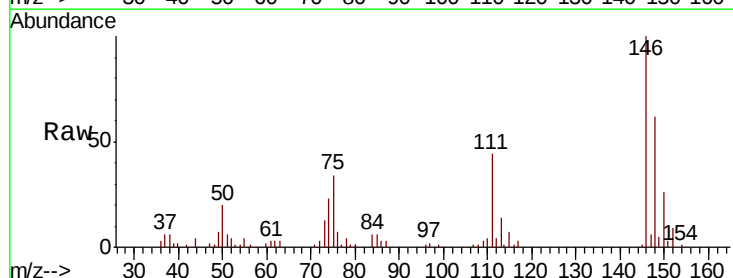
Instrument :
 MSVOA_V
 ClientSampleId :

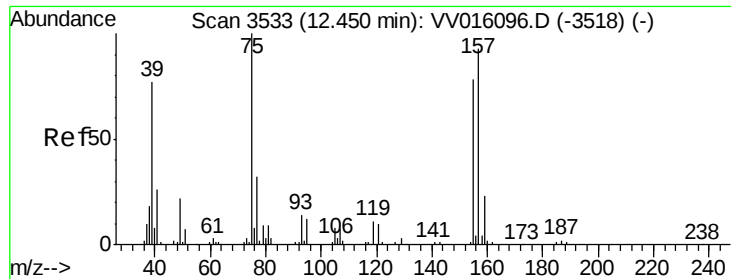
Tot Ion:146 Resp: 26345
 Ion Ratio Lower Upper
 146 100
 111 39.1 28.1 52.3
 148 65.0 45.7 84.9



#65
 1,2-Dichlorobenzene
 Concen: 5.477 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

Tgt Ion:146 Resp: 25689
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.2 52.8
 148 62.1 51.4 77.2

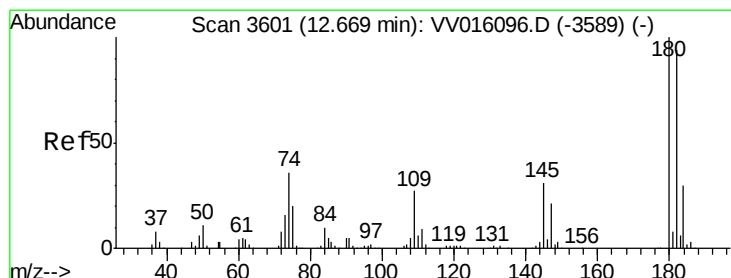
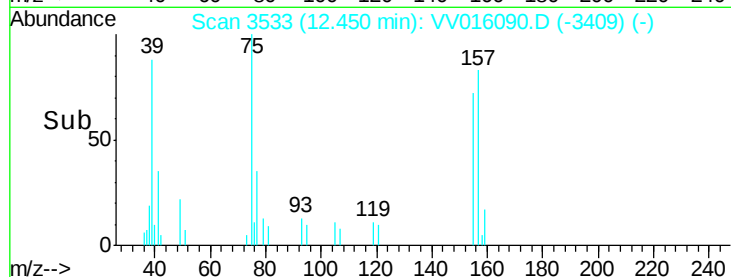
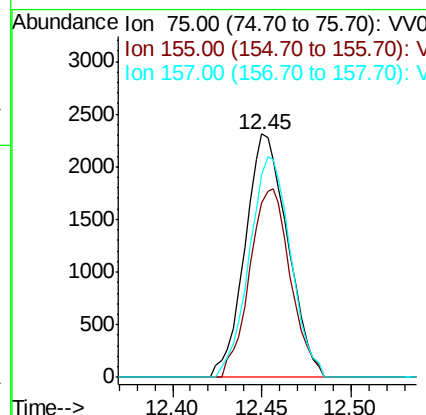
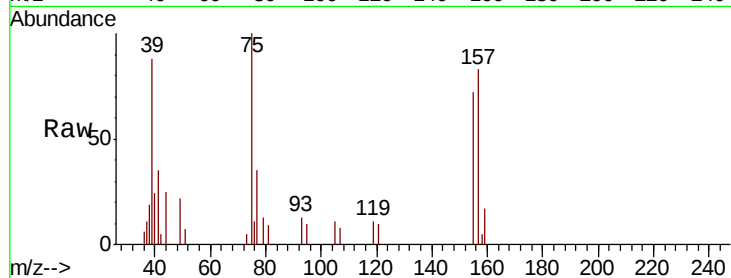




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.299 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

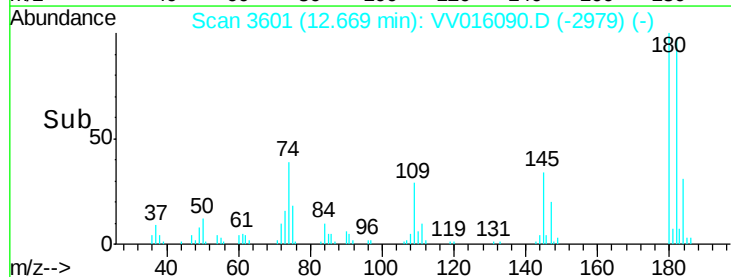
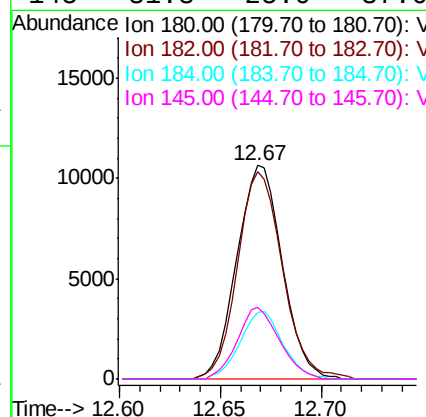
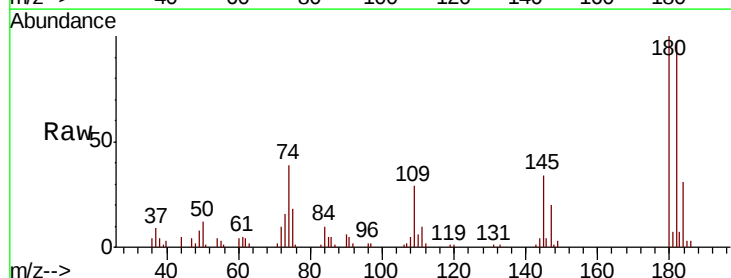
Instrument :
 MSVOA_V
 ClientSampleId :

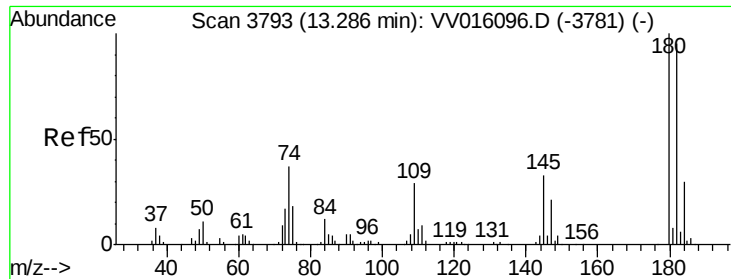
Tot Ion: 75 Resp: 3854
 Ion Ratio Lower Upper
 75 100
 155 71.9 62.1 93.1
 157 83.2 74.6 111.8



#67
 1,3,5-Trichlorobenzene
 Concen: 5.452 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

Tgt Ion: 180 Resp: 16799
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.8 113.6
 184 29.6 24.3 36.5
 145 31.3 25.0 37.6

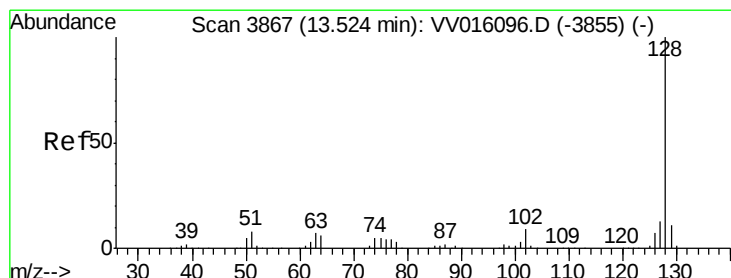
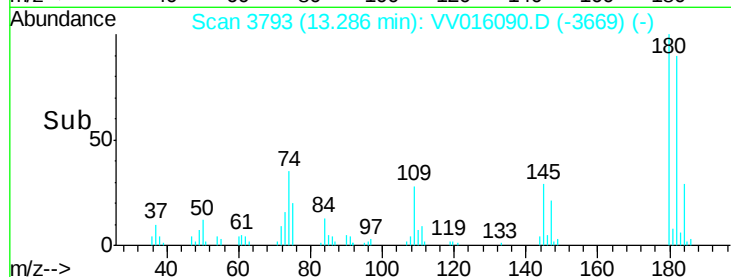
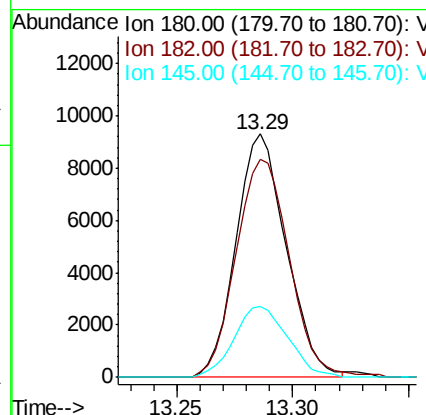
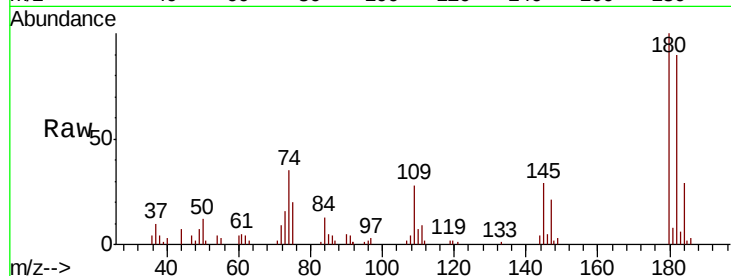




#68
 1,2,4-trichlorobenzene
 Concen: 4.986 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

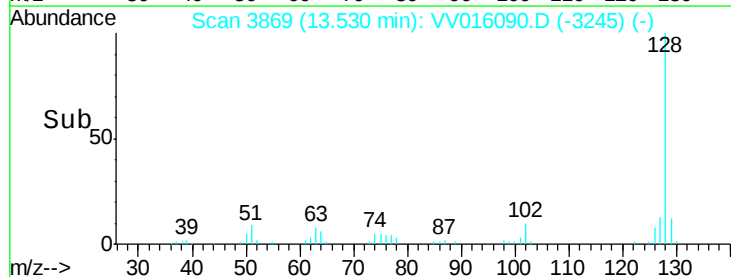
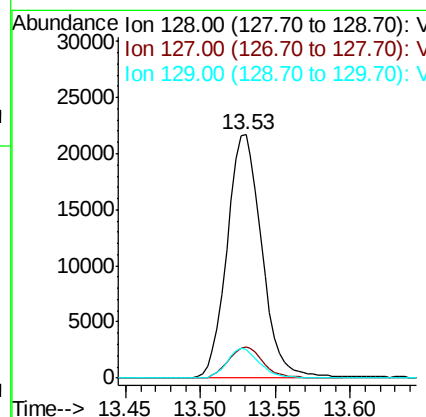
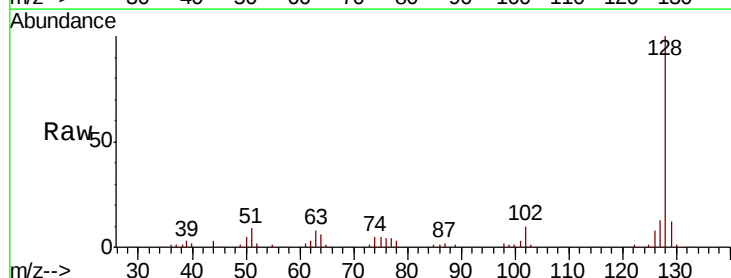
Instrument :
 MSVOA_V
 ClientSampleId :

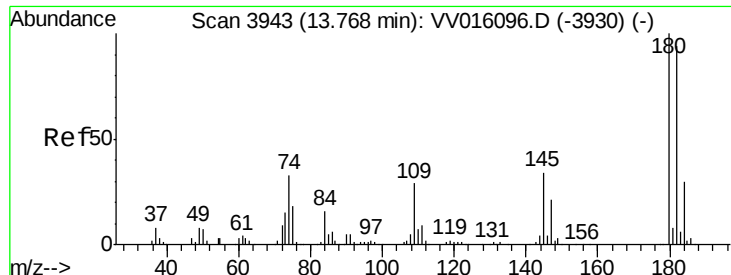
Tot Ion:180 Resp: 14029
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 145 31.1 26.2 39.2



#69
 Naphthalene
 Concen: 3.393 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV016090.D
 Acq: 18 May 2020 10:09

Tgt Ion:128 Resp: 35160
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.3 15.5
 129 11.3 8.6 13.0





#70

1,2,3-Trichlorobenzene

Concen: 4.927 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

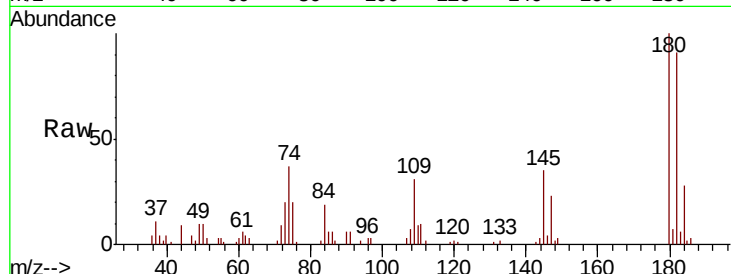
Lab File: VV016090.D

Acq: 18 May 2020 10:09

Instrument :

MSVOA_V

ClientSampleId :



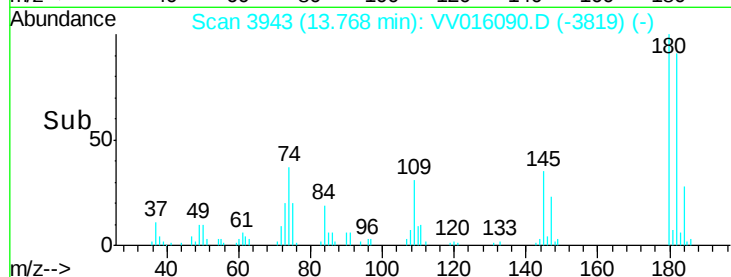
Tot Ion:180 Resp: 14292

Ion Ratio Lower Upper

180 100

182 94.9 75.3 112.9

145 37.3 27.4 41.0



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

