

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018691.D
 Acq On : 06 Oct 2020 14:09
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Oct 07 05:43:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 05:40:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	224142	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	238348	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	104824	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77157	55.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.96%
7) Chloroethane-d5	1.58	69	66294	55.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.76%
11) 1,1-Dichloroethene-d2	2.12	63	122439	41.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.98%
21) 2-Butanone-d5	3.92	46	117170	117.53	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.53%
24) Chloroform-d	4.38	84	164138	56.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.56%
26) 1,2-Dichloroethane-d4	5.06	65	103851	56.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.48%
32) Benzene-d6	5.07	84	294438	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
36) 1,2-Dichloropropane-d6	6.09	67	86635	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.54%
41) Toluene-d8	7.34	98	252654	45.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.98%
43) trans-1,3-Dichloropropene-	7.64	79	41691	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.86%
47) 2-Hexanone-d5	8.11	63	48347	67.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.87%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	93664	37.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.38%
66) 1,2-Dichlorobenzene-d4	11.65	152	104587	53.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3559	2.151 ug/L	97
3) Chloromethane	1.25	50	3980	2.169 ug/L	99
5) Vinyl chloride	1.32	62	5037	2.683 ug/L #	66
6) Bromomethane	1.53	94	3074	2.577 ug/L	91
8) Chloroethane	1.60	64	3327	2.750 ug/L	97
9) Trichlorofluoromethane	1.77	101	7767	2.909 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5404	3.302 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	4581	2.943 ug/L #	1
13) Acetone	2.20	43	2935	2.328 ug/L	95
14) Carbon disulfide	2.31	76	12476	2.823 ug/L #	94
15) Methyl Acetate	2.46	43	4610	2.770 ug/L #	67
16) Methylene chloride	2.53	84	6026	3.420 ug/L	89
17) trans-1,2-Dichloroethene	2.78	96	4243	2.693 ug/L #	84
18) Methyl tert-butyl Ether	2.79	73	12974	2.649 ug/L #	94
19) 1,1-Dichloroethane	3.22	63	8502	2.780 ug/L	91
20) cis-1,2-Dichloroethene	3.94	96	4989	2.937 ug/L	97
23) Bromochloromethane	4.29	128	2612	2.871 ug/L	95

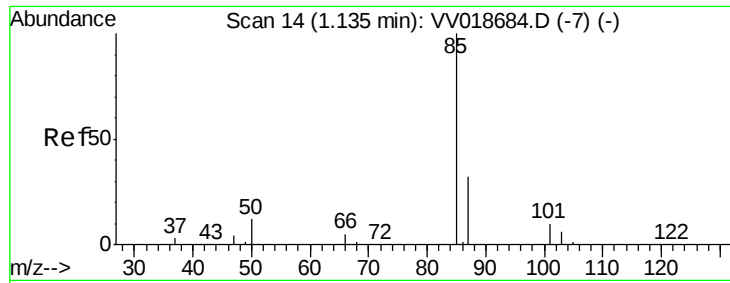
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018691.D
 Acq On : 06 Oct 2020 14:09
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Oct 07 05:43:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 05:40:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	12127	3.922	ug/L	96
27) 1,2-Dichloroethane	5.16	62	2957	1.234	ug/L	100
29) Cyclohexane	4.71	56	6191	2.232	ug/L	92
30) 1,1,1-Trichloroethane	4.64	97	7406	2.526	ug/L	93
31) Carbon tetrachloride	4.86	117	6468	2.531	ug/L	95
33) Benzene	5.13	78	15615	2.187	ug/L	100
34) Trichloroethene	5.94	95	5210	2.655	ug/L	91
35) Methylcyclohexane	6.16	83	5147	1.806	ug/L	98
37) 1,2-Dichloropropane	6.20	63	4414	2.339	ug/L #	89
38) Bromodichloromethane	6.54	83	5555	2.249	ug/L	96
39) cis-1,3-Dichloropropene	7.06	75	5990	2.115	ug/L	93
40) 4-Methyl-2-pentanone	7.25	43	9332	4.166	ug/L	92
42) Toluene	7.41	91	16613	2.218	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	5788	2.062	ug/L	88
45) 1,1,2-Trichloroethane	7.86	97	3784	2.129	ug/L	89
46) Tetrachloroethene	8.00	164	3535	2.300	ug/L	90
48) 2-Hexanone	8.16	43	19110	10.066	ug/L #	84
49) Dibromochloromethane	8.27	129	4197	2.121	ug/L	93
50) 1,2-Dibromoethane	8.38	107	4351	2.351	ug/L #	96
51) Chlorobenzene	8.91	112	11480	2.294	ug/L	99
52) Ethylbenzene	9.04	91	17077	2.072	ug/L	93
53) m,p-Xylene	9.16	106	5909	1.920	ug/L	94
54) o-Xylene	9.57	106	5779	1.949	ug/L	99
55) Styrene	9.59	104	9800	1.890	ug/L	85
57) 1,1,2,2-Tetrachloroethane	10.26	83	5621	2.169	ug/L	98
59) Bromoform	9.76	173	2729	2.329	ug/L #	96
60) Isopropylbenzene	9.95	105	14866	2.301	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	5200	2.859	ug/L	97
62) 1,3,5-Trimethylbenzene	10.56	105	11249	2.151	ug/L	94
63) 1,2,4-Trimethylbenzene	10.94	105	10457	1.948	ug/L	97
64) 1,3-Dichlorobenzene	11.21	146	8349	2.543	ug/L	94
65) 1,4-Dichlorobenzene	11.30	146	9263	2.692	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	9149	2.771	ug/L #	92
68) 1,2-Dibromo-3-chloropropan	12.45	75	1032	2.245	ug/L	90
69) 1,3,5-Trichlorobenzene	12.67	180	4705	1.837	ug/L	96
70) 1,2,4-trichlorobenzene	13.29	180	4046	1.764	ug/L	97
71) Naphthalene	13.53	128	9108	1.531	ug/L	97
72) 1,2,3-Trichlorobenzene	13.77	180	3665	1.589	ug/L #	84

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



#2

Dichlorodifluoromethane

Concen: 2.151 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

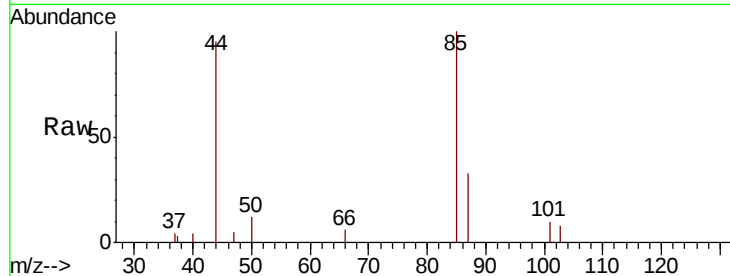
MDL05

Tot Ion: 85 Resp: 3559

Ion Ratio Lower Upper

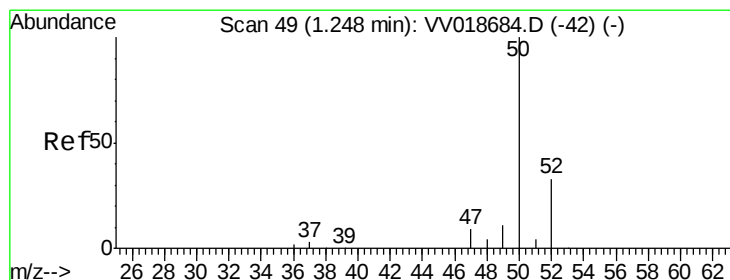
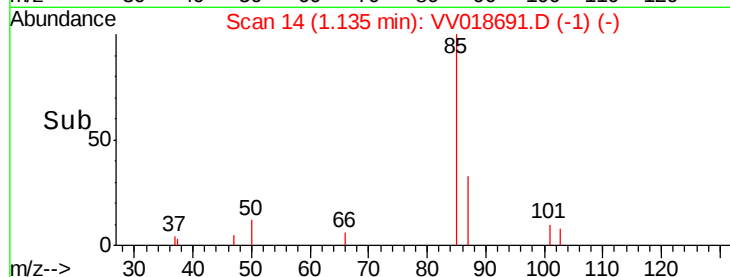
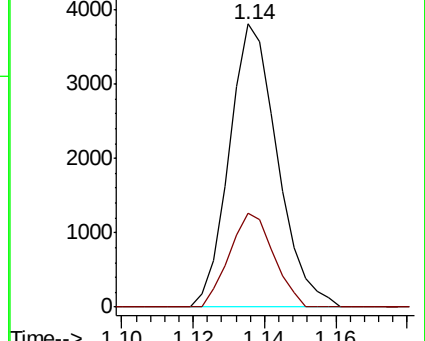
85 100

87 30.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.169 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018691.D

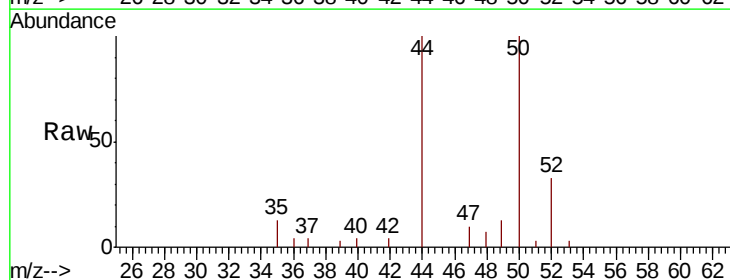
Acq: 06 Oct 2020 14:09

Tgt Ion: 50 Resp: 3980

Ion Ratio Lower Upper

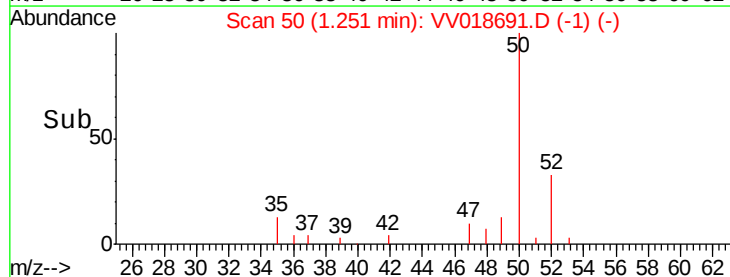
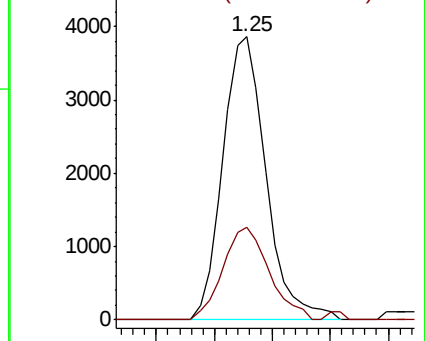
50 100

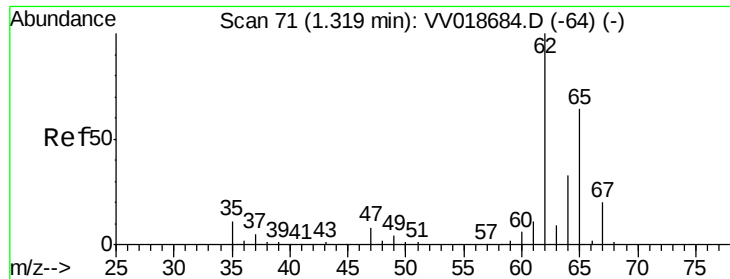
52 32.7 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.683 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleID :

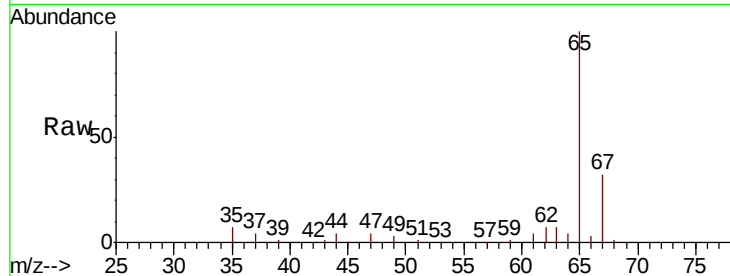
MDL05

Tot Ion: 62 Resp: 5037

Ion Ratio Lower Upper

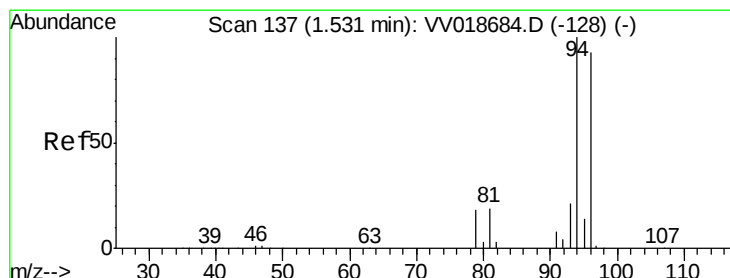
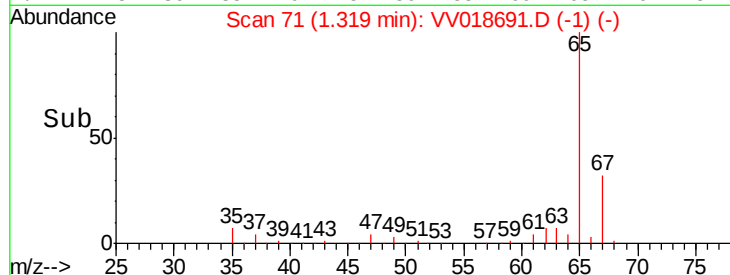
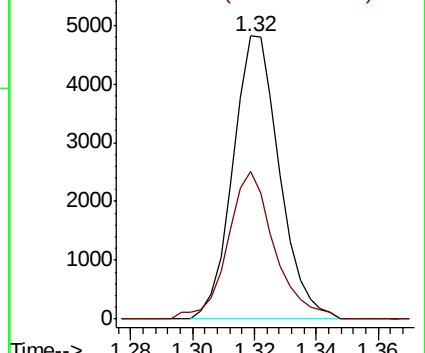
62 100

64 52.1 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.577 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018691.D

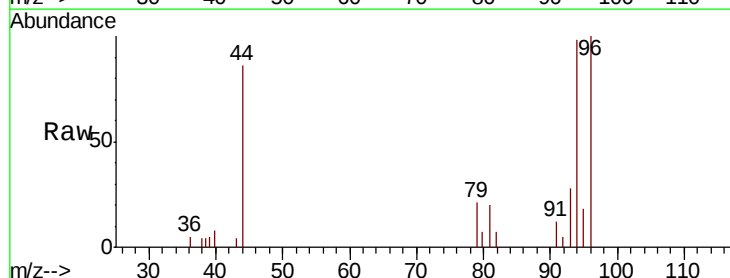
Acq: 06 Oct 2020 14:09

Tgt Ion: 94 Resp: 3074

Ion Ratio Lower Upper

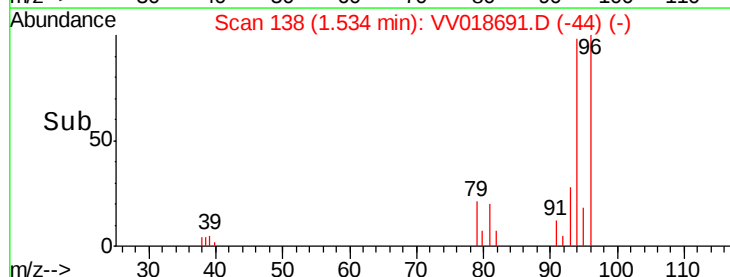
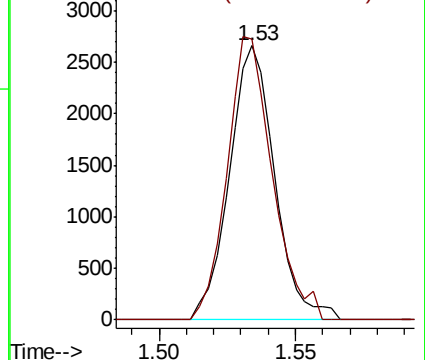
94 100

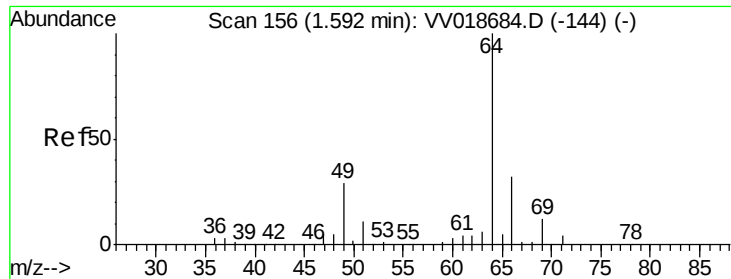
96 102.4 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.750 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

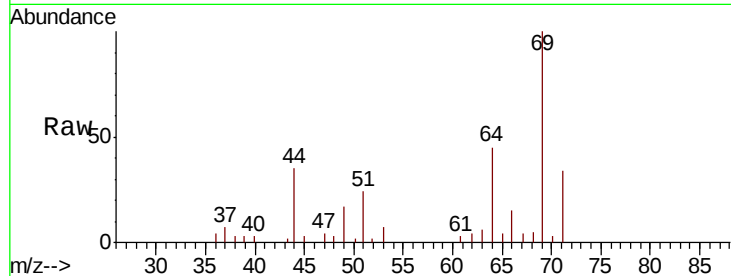
MDL05

Tot Ion: 64 Resp: 3327

Ion Ratio Lower Upper

64 100

66 34.2 23.0 42.6



Abundance Ion 64.00 (63.70 to 64.70): VV018684.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV018684.D (-144) (-)

1.60

3000

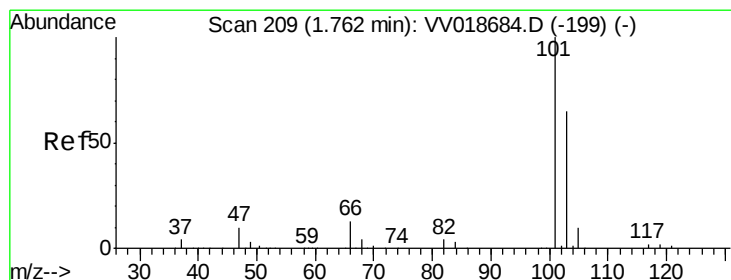
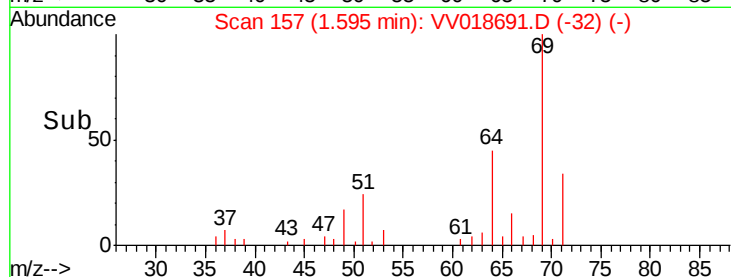
2000

1000

0

1.56 1.58 1.60 1.62 1.64

Time-->



#9

Trichlorofluoromethane

Concen: 2.909 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018691.D

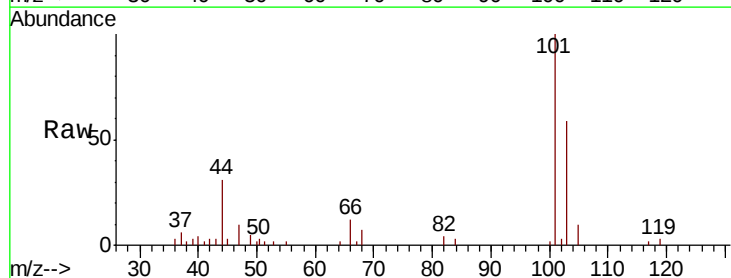
Acq: 06 Oct 2020 14:09

Tgt Ion: 101 Resp: 7767

Ion Ratio Lower Upper

101 100

103 60.9 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV018684.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018684.D (-199) (-)

1.77

6000

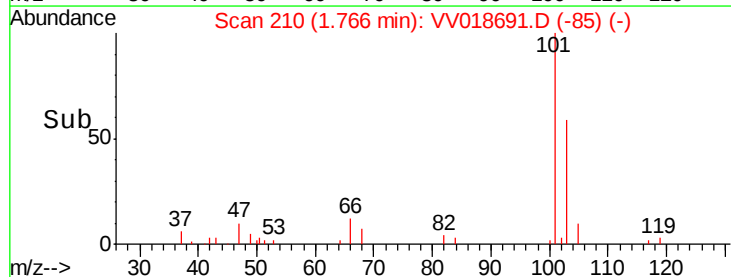
4000

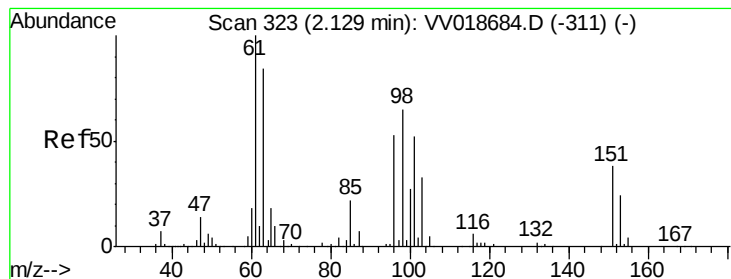
2000

0

1.75 1.80

Time-->





#10

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

Concen: 3.302 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

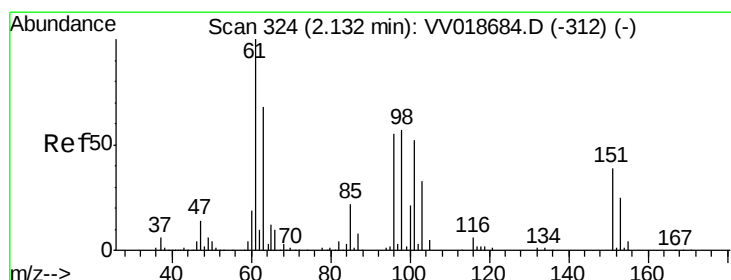
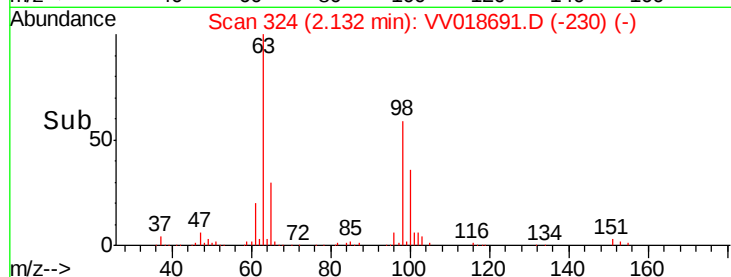
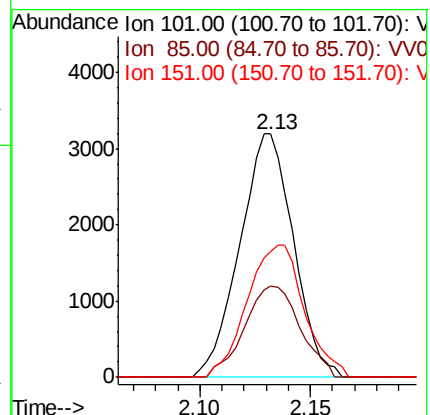
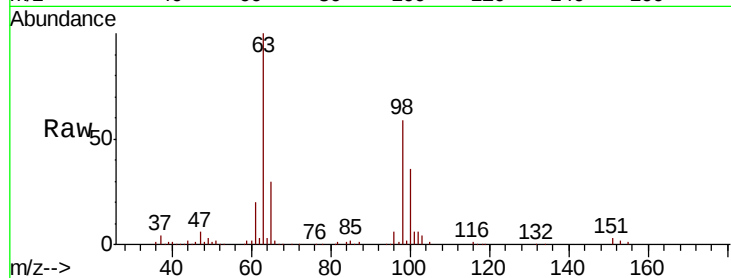
Tot Ion:101 Resp: 5404

Ion Ratio Lower Upper

101 100

85 39.0 34.6 51.8

151 57.7 62.4 93.6#



#12

1,1-Dichloroethene

Concen: 2.943 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

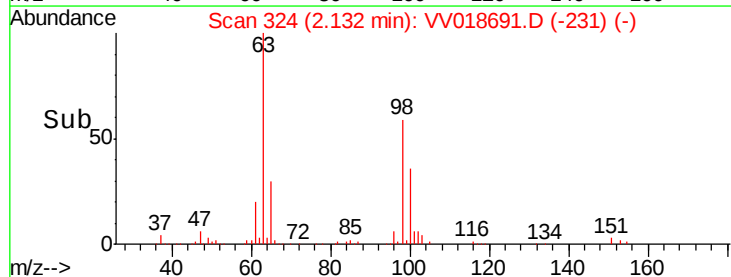
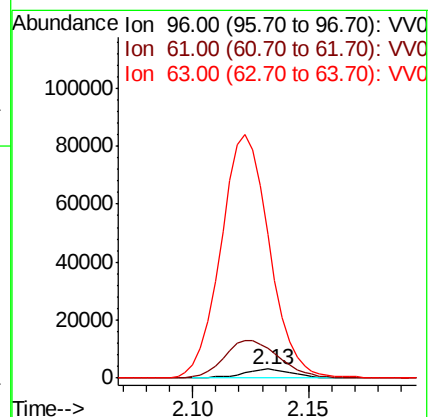
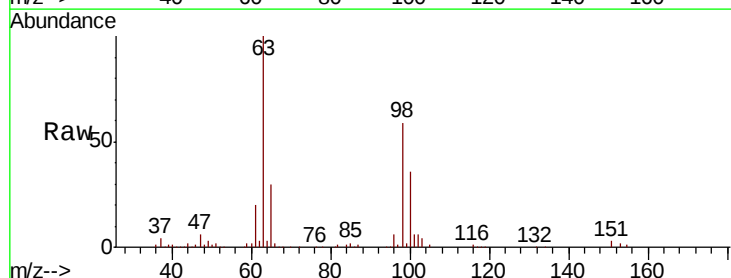
Tgt Ion: 96 Resp: 4581

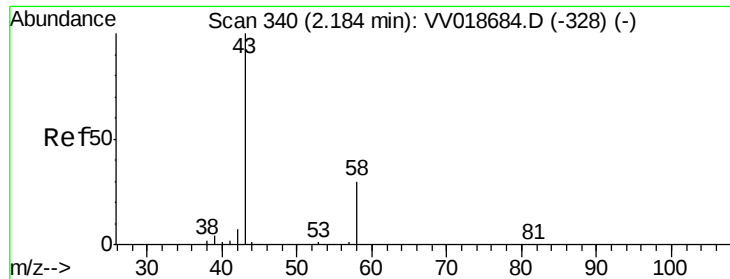
Ion Ratio Lower Upper

96 100

61 329.9 121.0 224.8#

63 1625.1 93.0 172.6#





#13

Acetone

Concen: 2.328 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

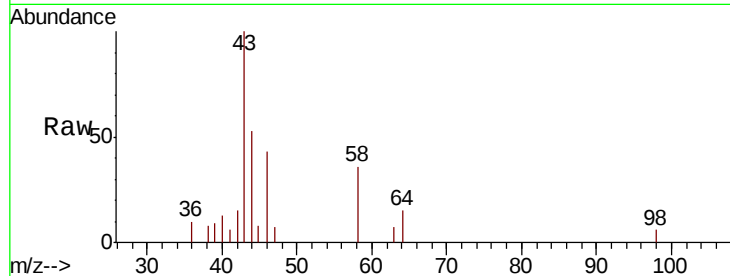
MDL05

Tot Ion: 43 Resp: 2935

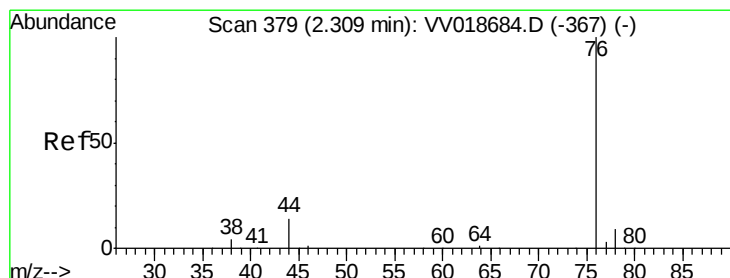
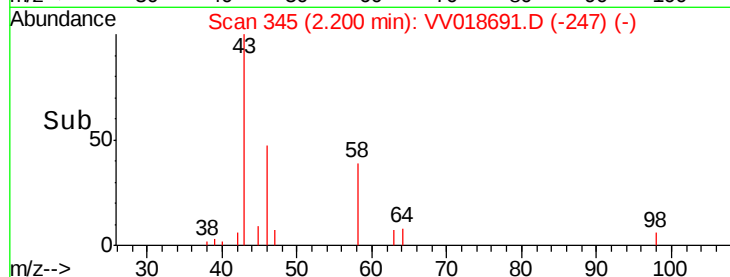
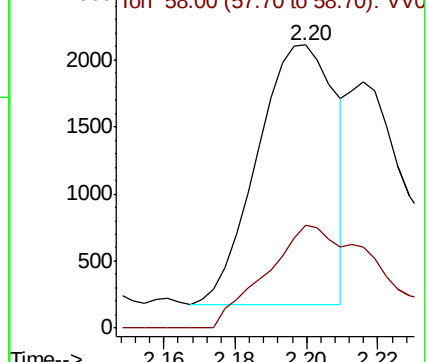
Ion Ratio Lower Upper

43 100

58 35.8 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV018691.D (-247) (-)



#14

Carbon disulfide

Concen: 2.823 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018691.D

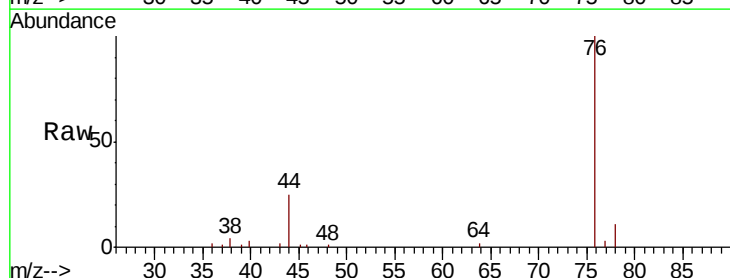
Acq: 06 Oct 2020 14:09

Tgt Ion: 76 Resp: 12476

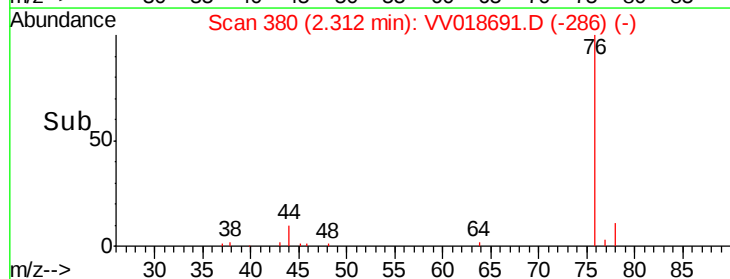
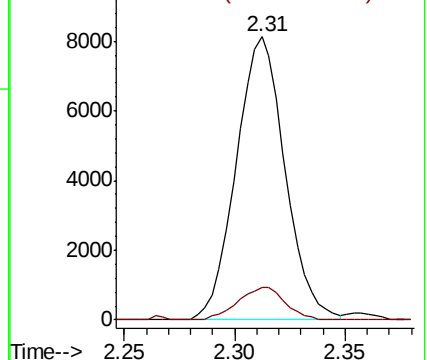
Ion Ratio Lower Upper

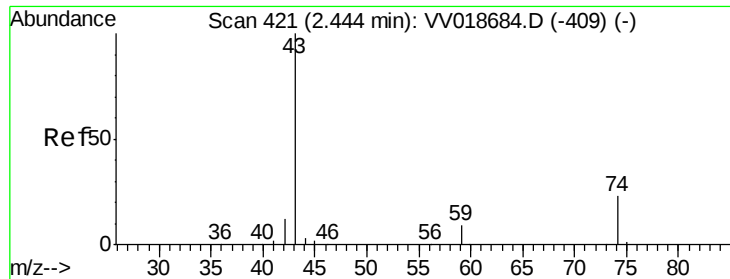
76 100

78 11.3 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VV018691.D (-286) (-)

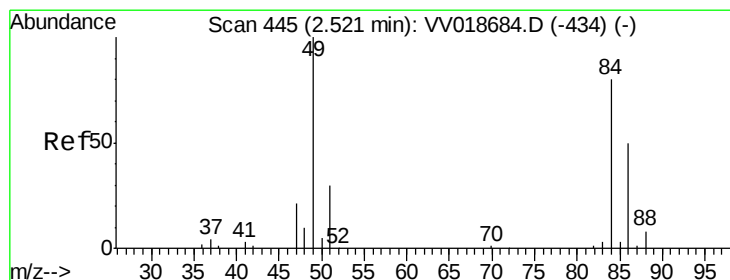
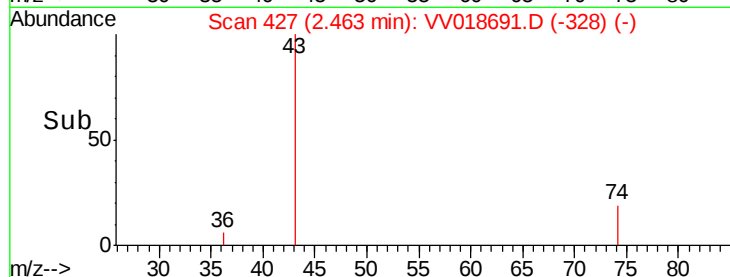
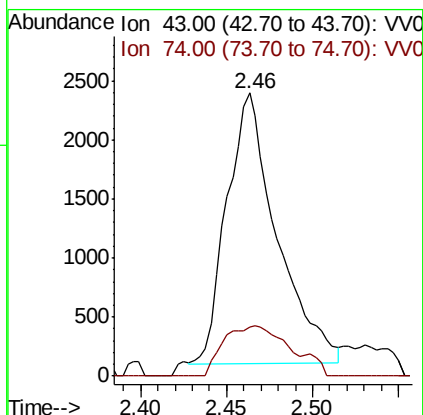
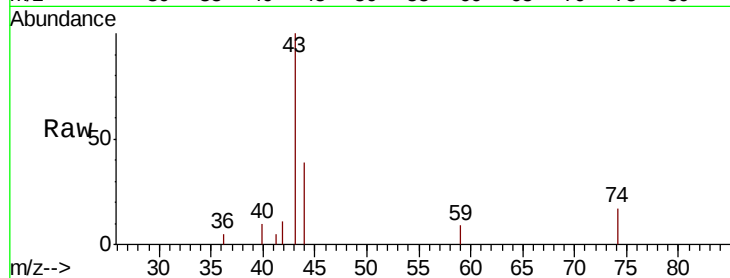




#15
Methvl Acetate
Concen: 2.770 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.02 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

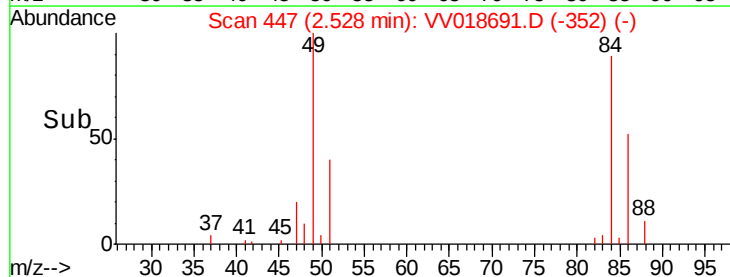
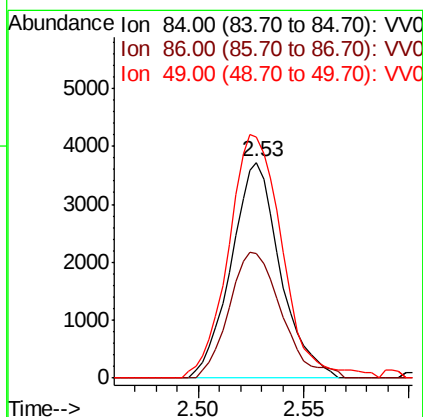
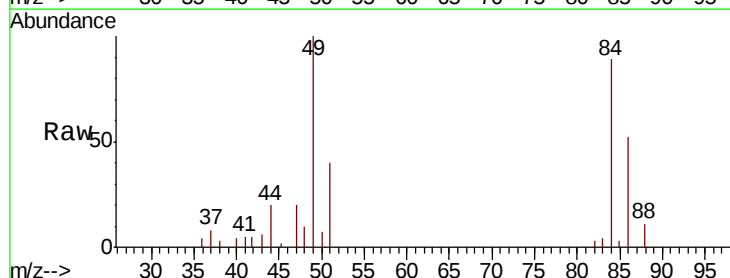
Instrument :
MSVOA_V
ClientSampled :
MDL05

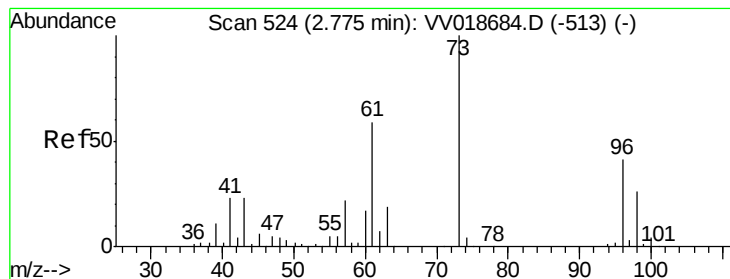
Tot Ion: 43 Resp: 4610
Ion Ratio Lower Upper
43 100
74 7.2 18.4 27.6#



#16
Methylene chloride
Concen: 3.420 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion: 84 Resp: 6026
Ion Ratio Lower Upper
84 100
86 57.8 46.0 85.4
49 112.0 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 2.693 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

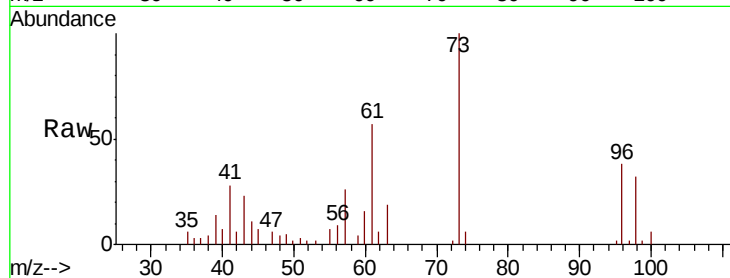
Tot Ion: 96 Resp: 4243

Ion Ratio Lower Upper

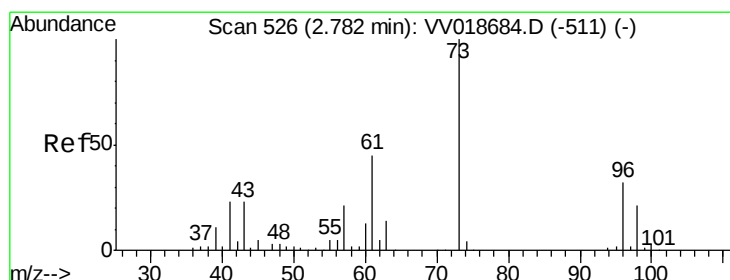
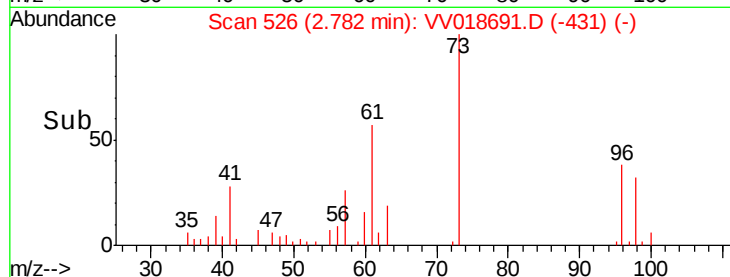
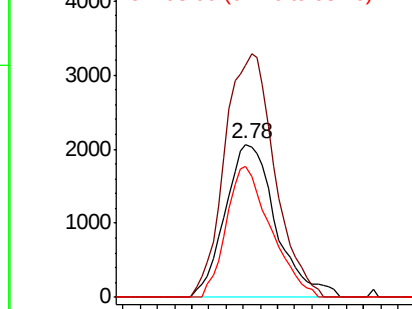
96 100

61 151.3 98.3 182.5

98 85.9 43.5 80.7#



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: 2.649 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

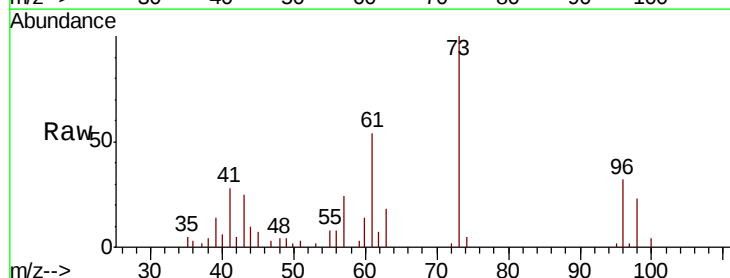
Tgt Ion: 73 Resp: 12974

Ion Ratio Lower Upper

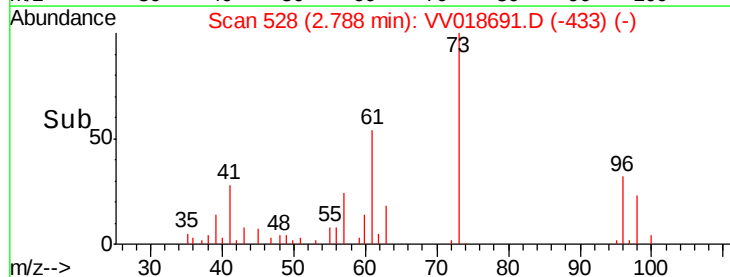
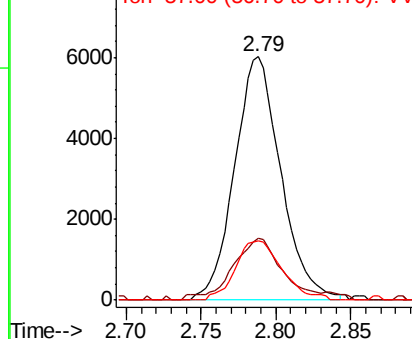
73 100

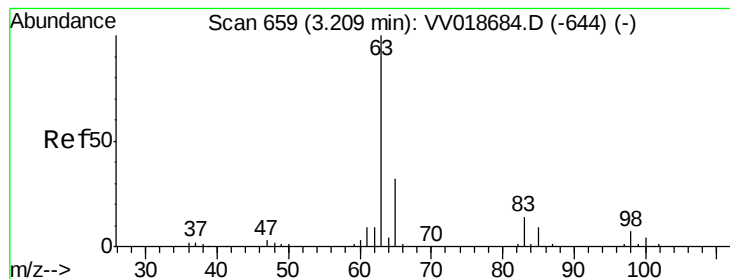
43 23.2 15.4 23.2#

57 24.4 17.8 26.6



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: 2.780 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

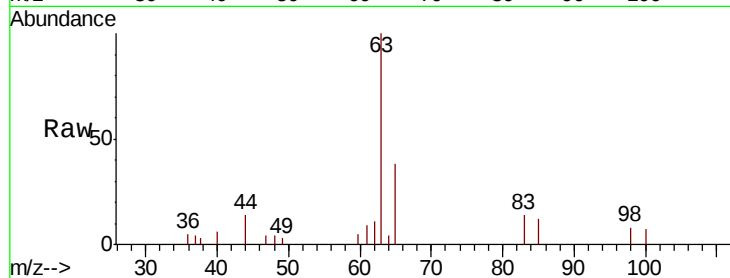
Tot Ion: 63 Resp: 8502

Ion Ratio Lower Upper

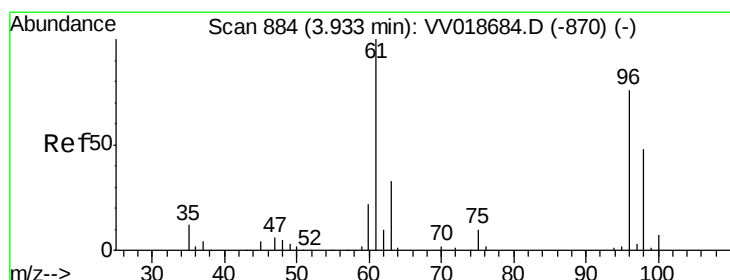
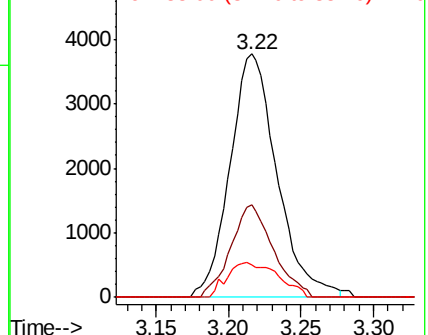
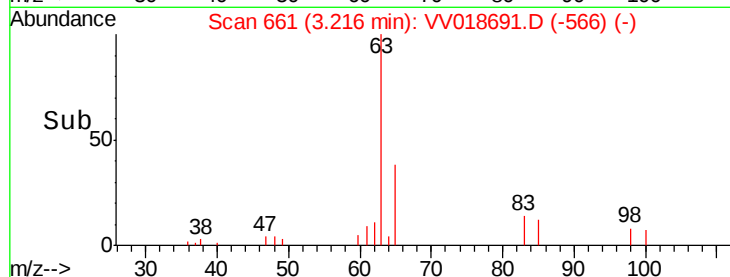
63 100

65 38.1 21.8 40.6

83 13.5 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018691.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.937 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

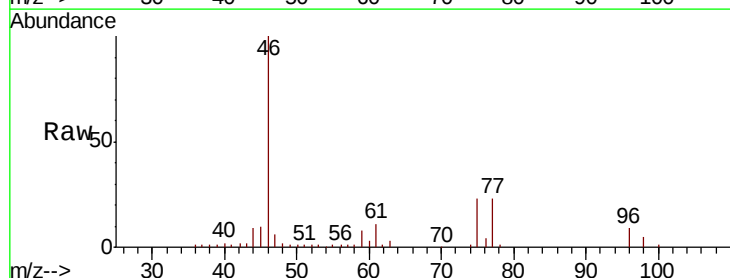
Tgt Ion: 96 Resp: 4989

Ion Ratio Lower Upper

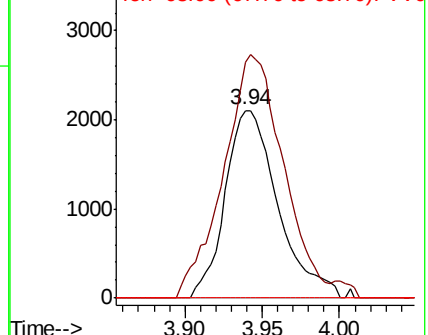
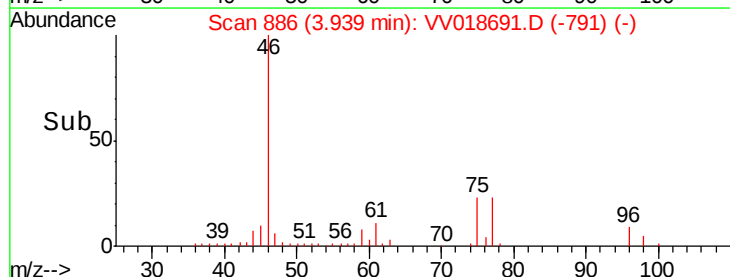
96 100

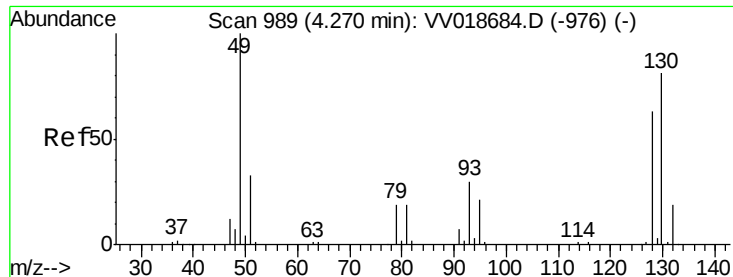
61 125.6 90.4 167.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018691.D (-791) (-)





#23

Bromochloromethane

Concen: 2.871 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.02 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion:128 Resp: 2612

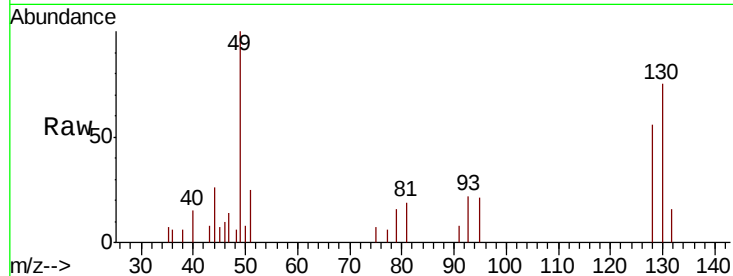
Ion Ratio Lower Upper

128 100

49 177.8 120.3 223.3

130 134.0 91.3 169.5

51 44.5 43.1 64.7

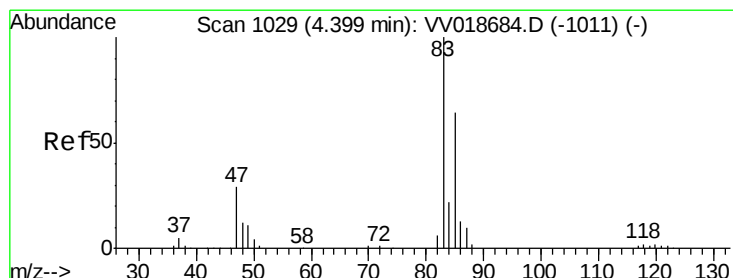
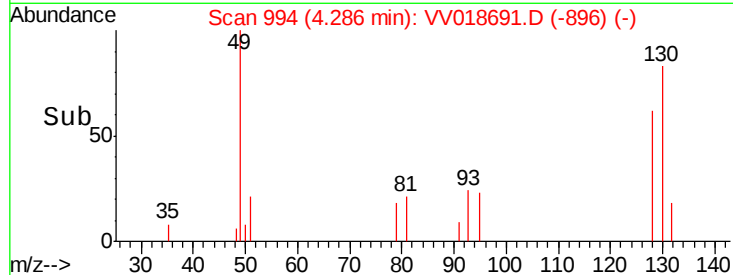
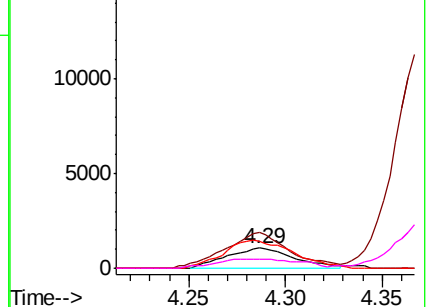


Abundance Ion 128.00 (127.70 to 128.70): V

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: 3.922 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV018691.D

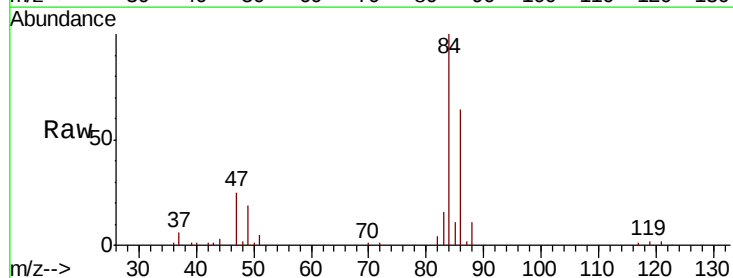
Acq: 06 Oct 2020 14:09

Tgt Ion: 83 Resp: 12127

Ion Ratio Lower Upper

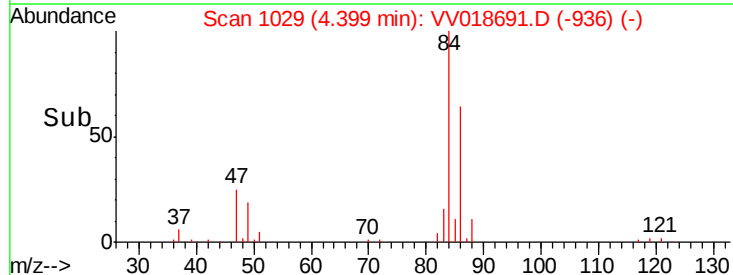
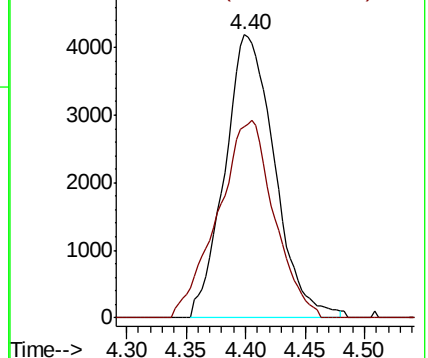
83 100

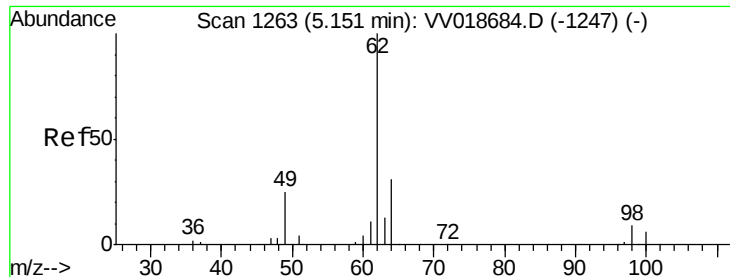
85 67.4 45.2 84.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

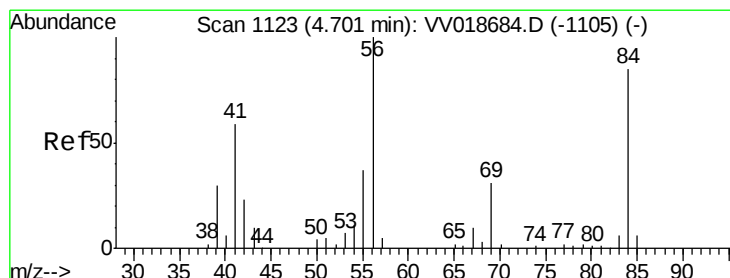
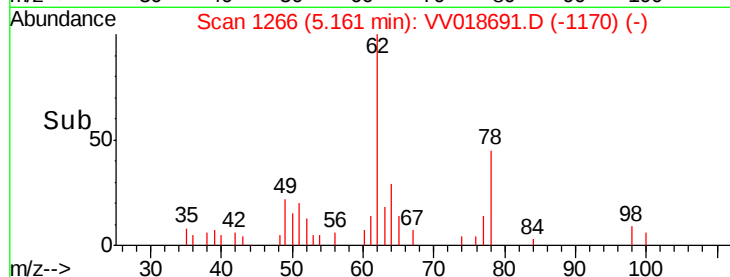
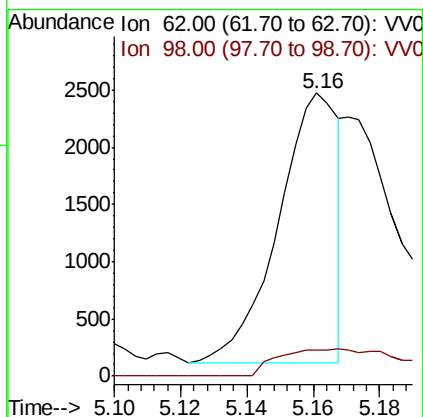
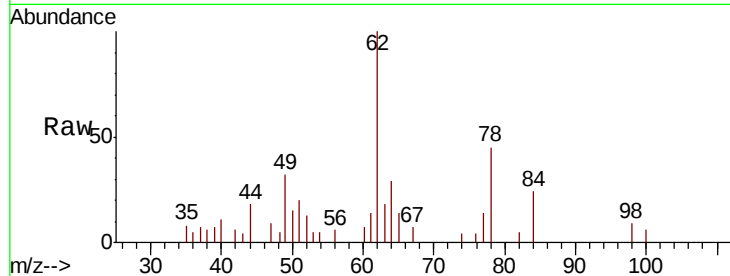




#27
 1,2-Dichloroethane
 Concen: 1.234 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

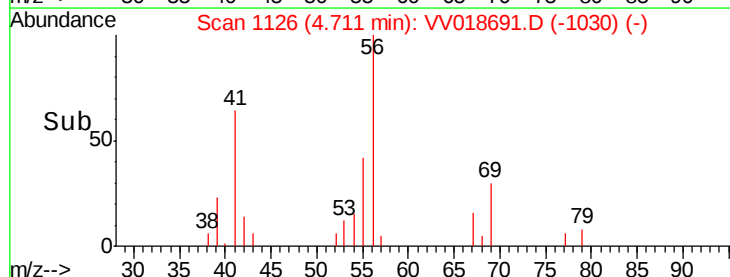
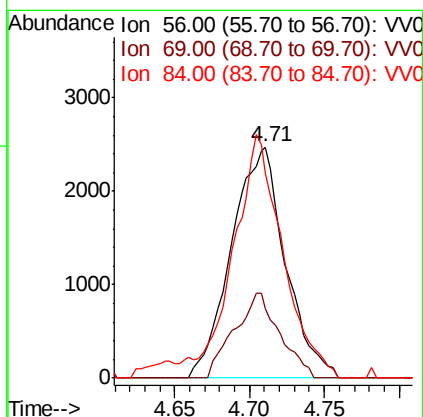
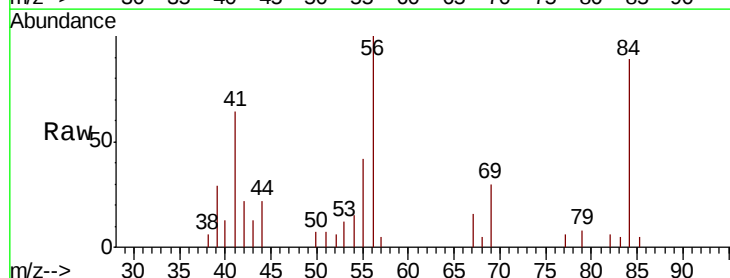
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

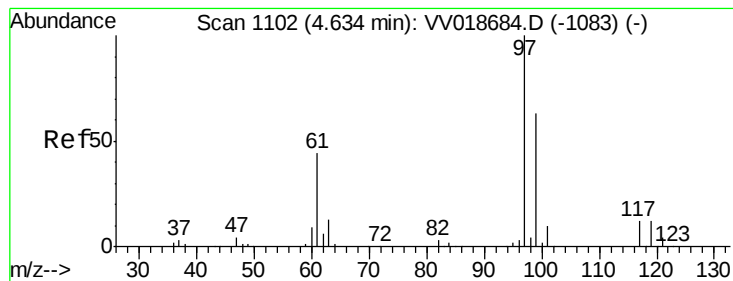
Tot Ion: 62 Resp: 2957
 Ion Ratio Lower Upper
 62 100
 98 9.3 7.4 11.2



#29
 Cyclohexane
 Concen: 2.232 ug/L
 RT: 4.71 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion: 56 Resp: 6191
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.4 36.6
 84 95.8 68.6 102.8





#30

1,1,1-Trichloroethane

Concen: 2.526 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleID :

MDL05

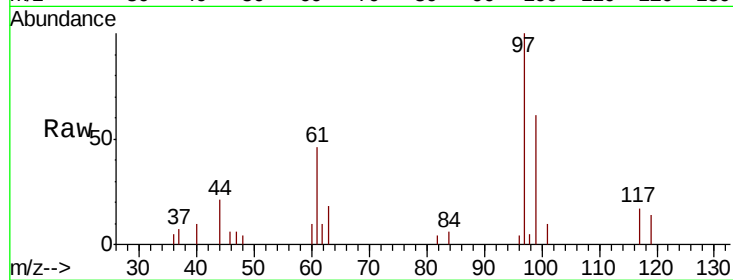
Tot Ion: 97 Resp: 7406

Ion Ratio Lower Upper

97 100

99 57.8 50.7 76.1

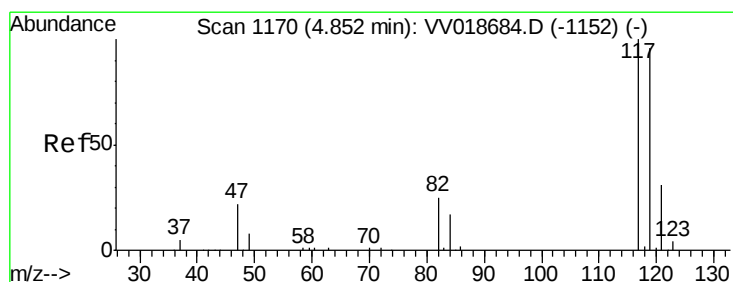
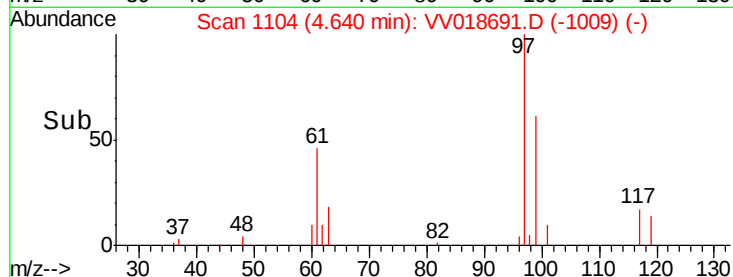
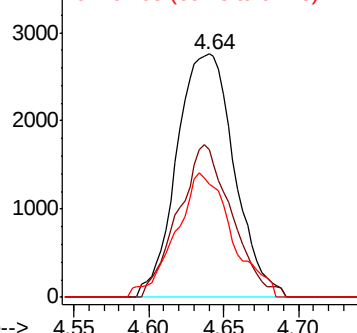
61 48.6 35.0 52.6



Abundance Ion 97.00 (96.70 to 97.70): VV018691.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV018691.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV018691.D (-1083) (-)



#31

Carbon tetrachloride

Concen: 2.531 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VV018691.D

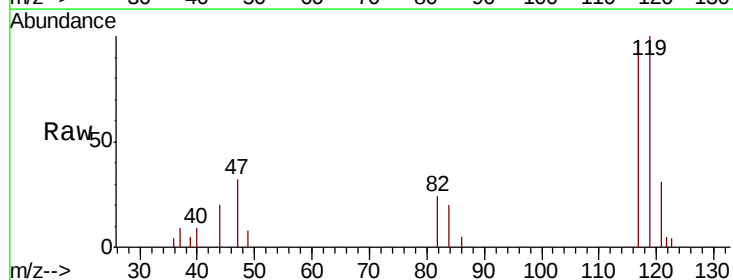
Acq: 06 Oct 2020 14:09

Tgt Ion: 117 Resp: 6468

Ion Ratio Lower Upper

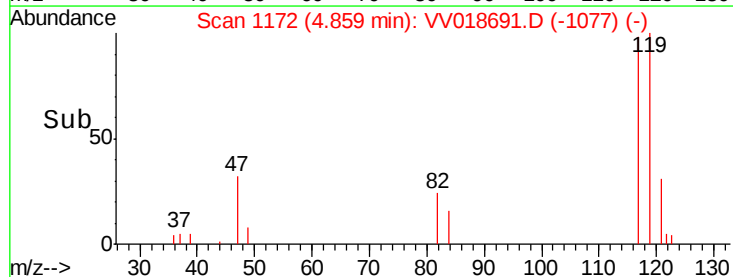
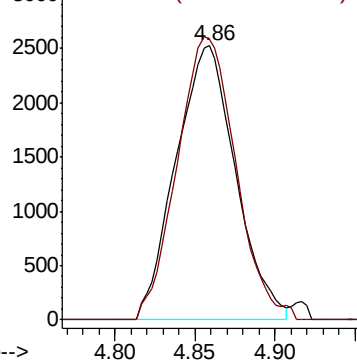
117 100

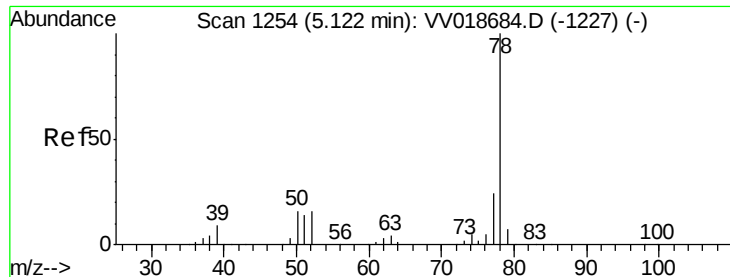
119 100.4 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): VV018691.D (-1077) (-)

Ion 119.00 (118.70 to 119.70): VV018691.D (-1077) (-)





#33

Benzene

Concen: 2.187 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

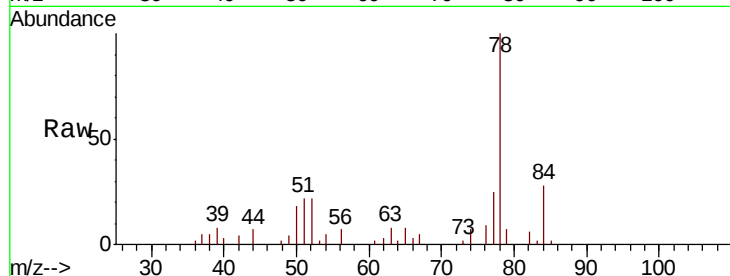
Instrument :

MSVOA_V

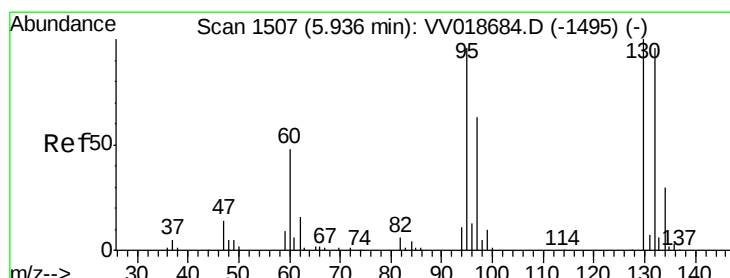
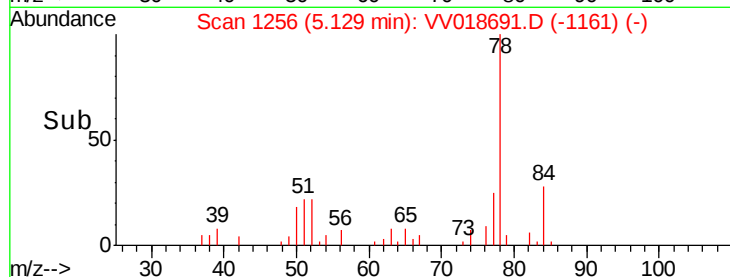
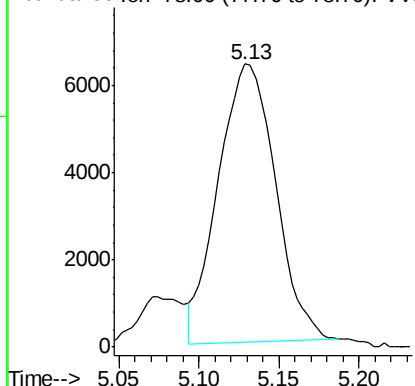
ClientSampled :

MDL05

Tgt Ion: 78 Resp: 15615



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.655 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tgt Ion: 95 Resp: 5210

Ion	Ratio	Lower	Upper
95	100		
97	69.1	44.7	83.1
132	104.4	67.8	126.0
130	90.3	71.5	132.7

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

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

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

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

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

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

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

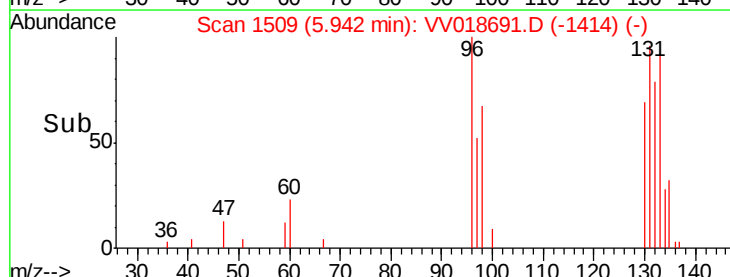
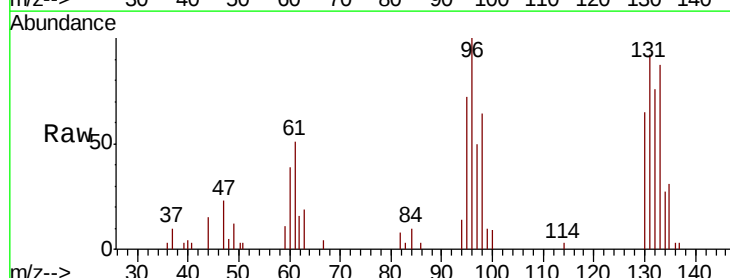
Ion 130.00 (129.70 to 130.70): VV0

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



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

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

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

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

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

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

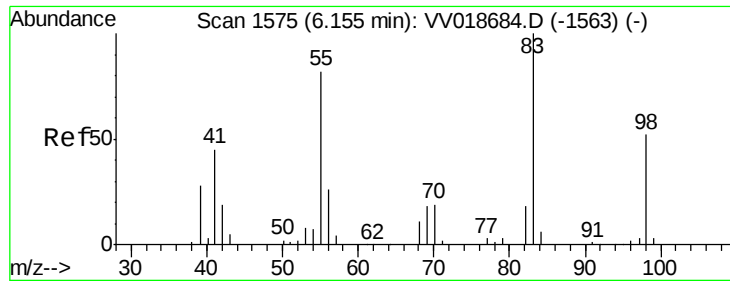
Ion 130.00 (129.70 to 130.70): VV0

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

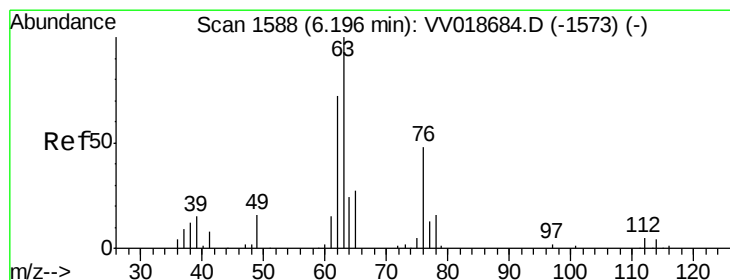
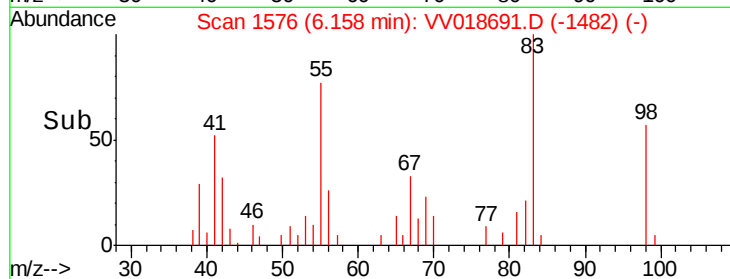
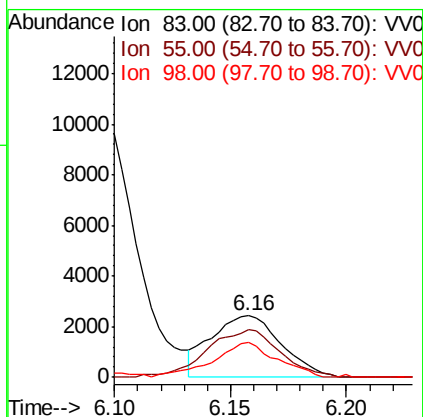
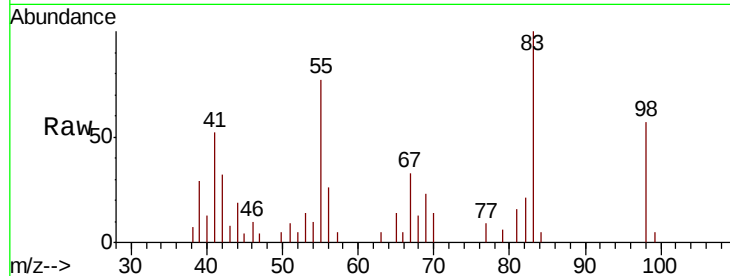
Ion 130.00 (129.70 to 130.70): VV0



#35
Methvlcvclohexane
Concen: 1.806 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

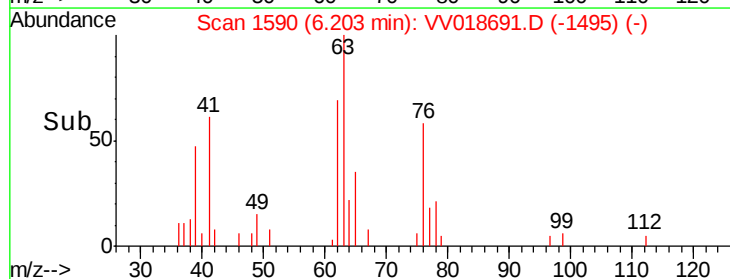
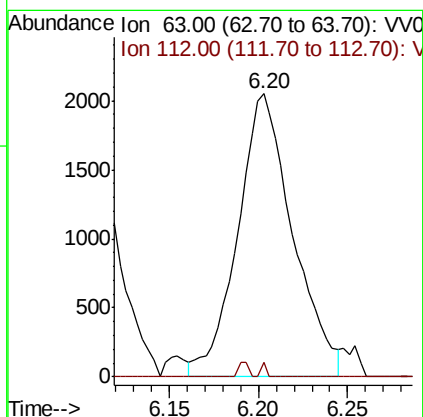
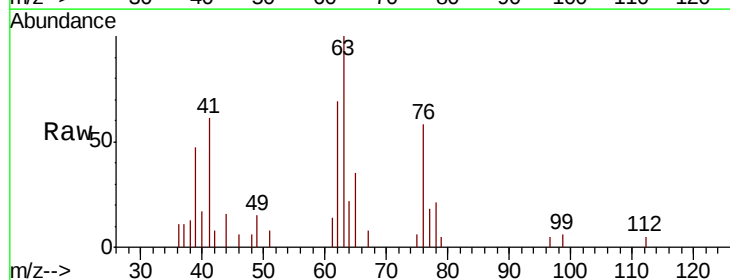
Instrument :
MSVOA_V
ClientSampleId :
MDL05

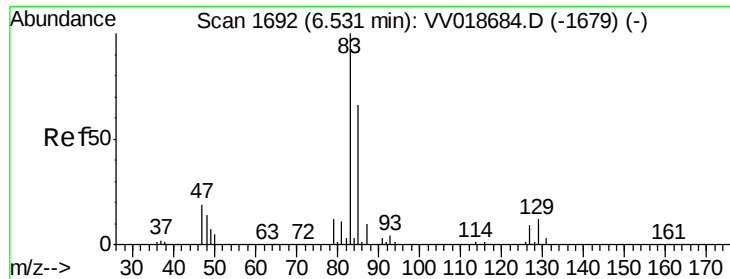
Tot Ion: 83 Resp: 5147
Ion Ratio Lower Upper
83 100
55 80.4 63.6 95.4
98 50.7 38.6 58.0



#37
1,2-Dichloropropane
Concen: 2.339 ug/L
RT: 6.20 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion: 63 Resp: 4414
Ion Ratio Lower Upper
63 100
112 1.0 3.7 5.5#





#38

Bromodichloromethane

Concen: 2.249 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

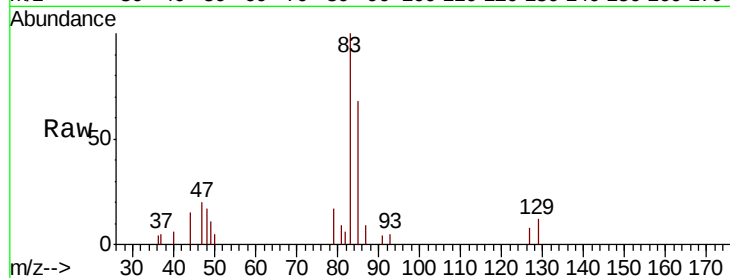
Tot Ion: 83 Resp: 5555

Ion Ratio Lower Upper

83 100

85 68.0 45.1 83.9

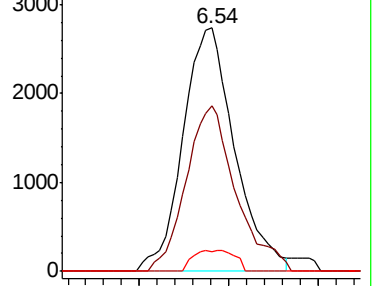
127 8.3 6.8 10.2



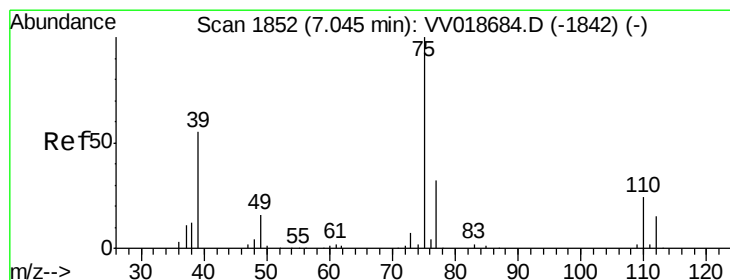
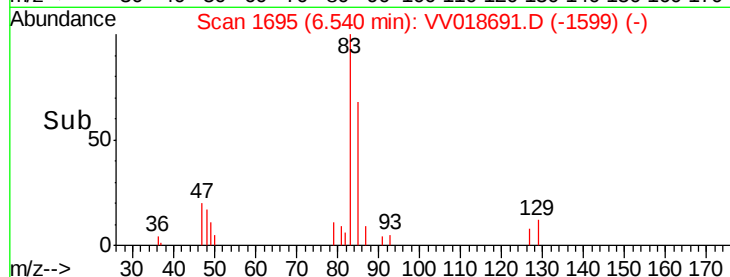
Abundance Ion 83.00 (82.70 to 83.70): VV018691.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV018691.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV018691.D (-1599) (-)



Time-->



#39

cis-1,3-Dichloropropene

Concen: 2.115 ug/L

RT: 7.06 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VV018691.D

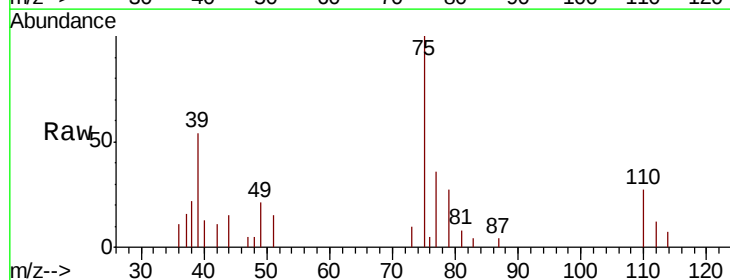
Acq: 06 Oct 2020 14:09

Tgt Ion: 75 Resp: 5990

Ion Ratio Lower Upper

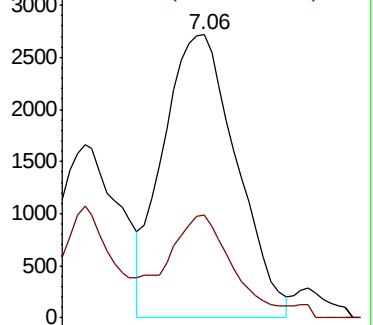
75 100

77 36.2 22.7 42.1

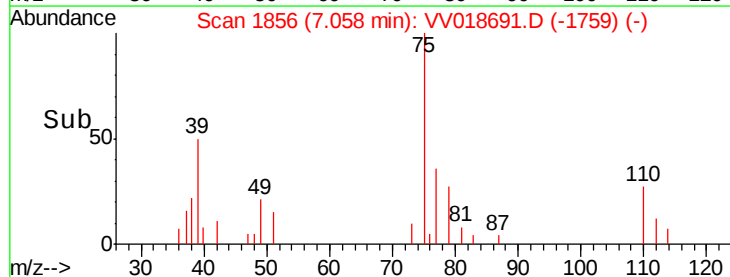


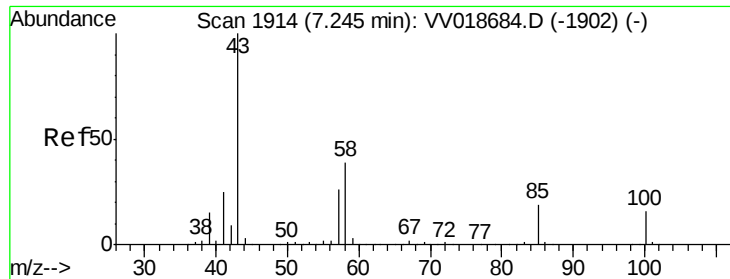
Abundance Ion 75.00 (74.70 to 75.70): VV018691.D (-1759) (-)

Ion 77.00 (76.70 to 77.70): VV018691.D (-1759) (-)



Time-->

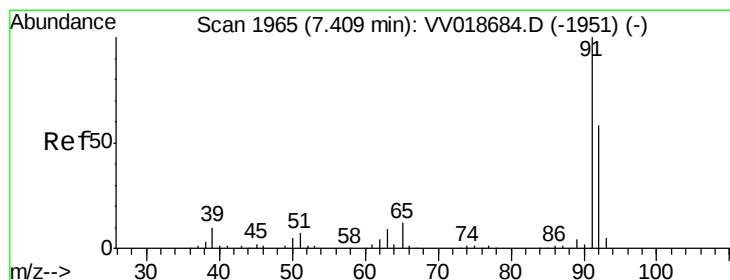
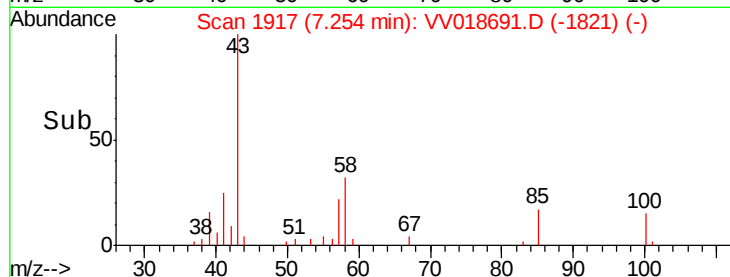
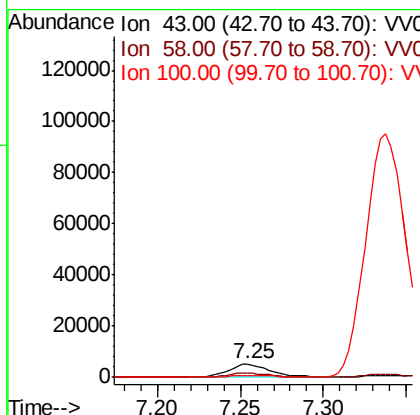
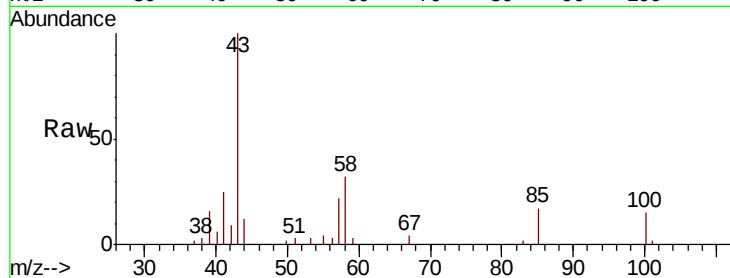




#40
4-Methyl-2-pentanone
Concen: 4.166 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

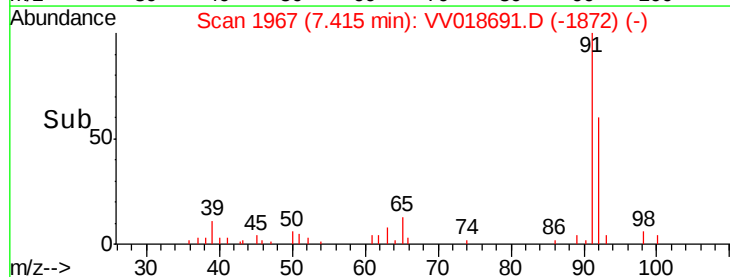
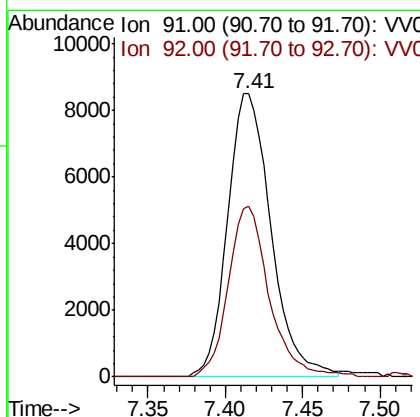
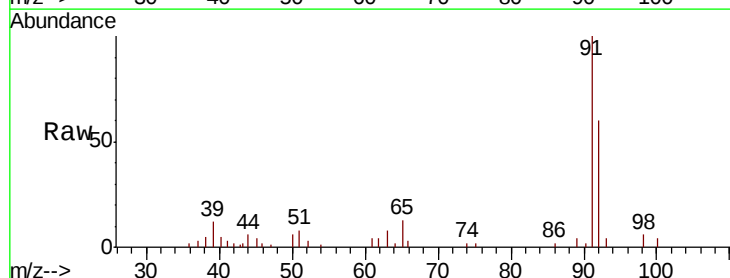
Instrument :
MSVOA_V
ClientSampled :
MDL05

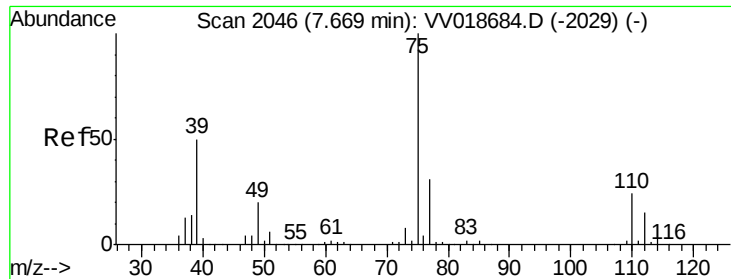
Tot Ion: 43 Resp: 9332
Ion Ratio Lower Upper
43 100
58 33.7 32.4 48.6
100 16.4 13.0 19.4



#42
Toluene
Concen: 2.218 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV018691.D
Acq: 06 Oct 2020 14:09

Tgt Ion: 91 Resp: 16613
Ion Ratio Lower Upper
91 100
92 60.3 40.7 75.7





#44

trans-1,3-Dichloropropene

Concen: 2.062 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

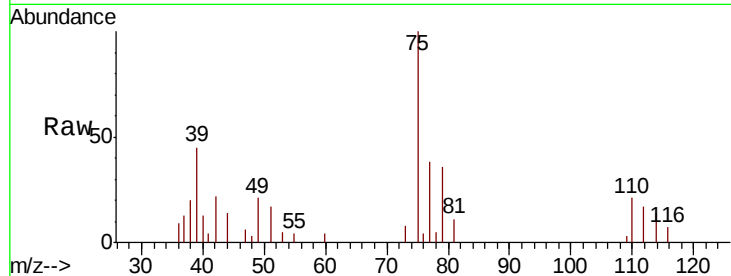
MDL05

Tot Ion: 75 Resp: 5788

Ion Ratio Lower Upper

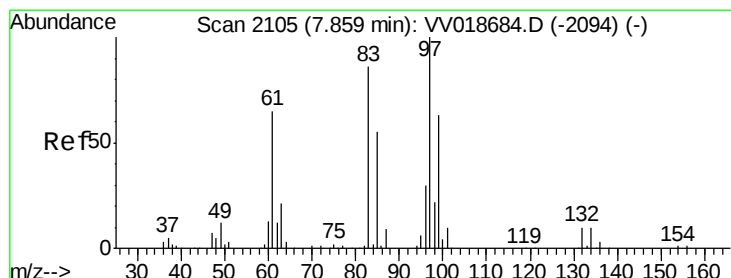
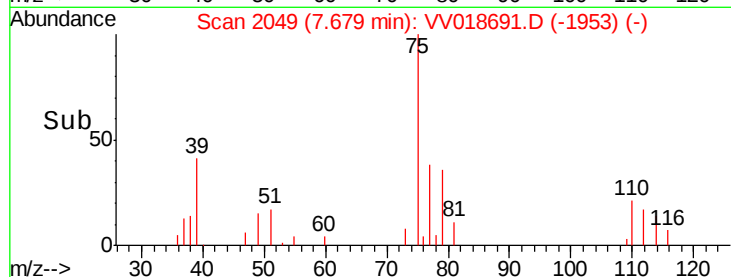
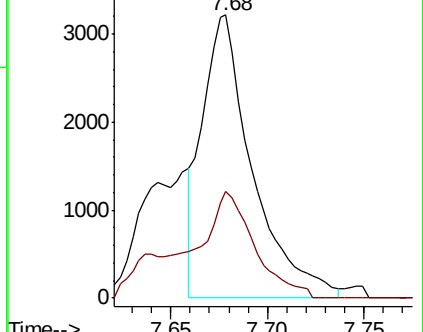
75 100

77 37.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV018684.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018684.D (-2029) (-)



#45

1,1,2-Trichloroethane

Concen: 2.129 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tgt Ion: 97 Resp: 3784

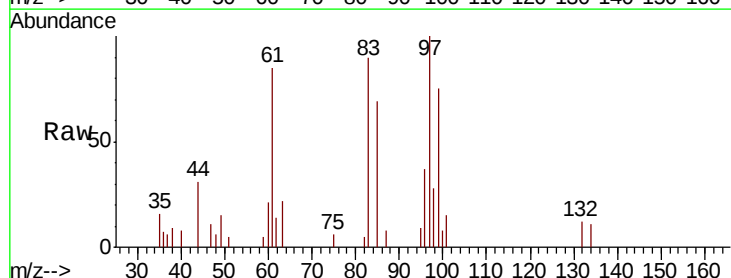
Ion Ratio Lower Upper

97 100

99 75.4 44.6 82.8

83 89.5 60.5 112.5

85 68.6 38.2 71.0

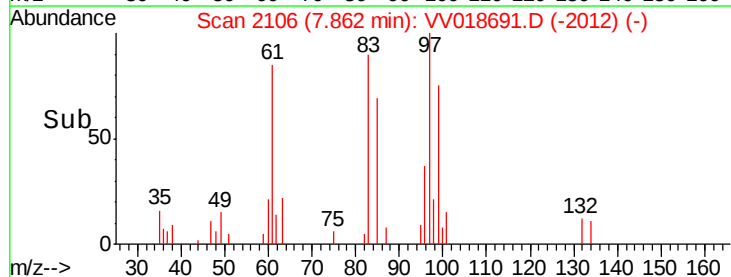
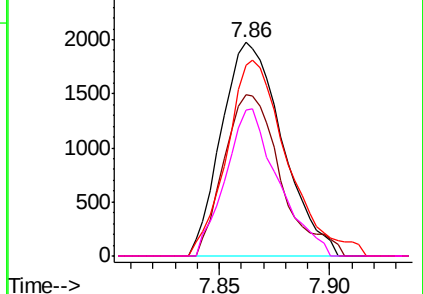


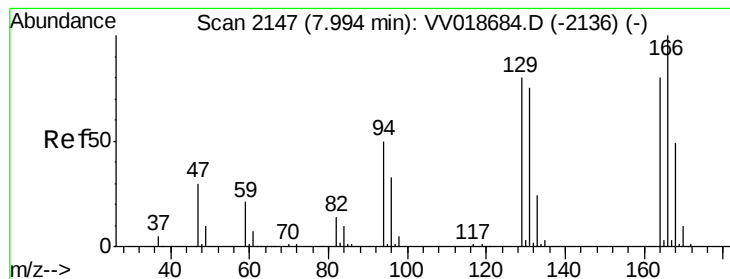
Abundance Ion 97.00 (96.70 to 97.70): VV018684.D (-2094) (-)

Ion 99.00 (98.70 to 99.70): VV018684.D (-2094) (-)

Ion 83.00 (82.70 to 83.70): VV018684.D (-2094) (-)

Ion 85.00 (84.70 to 85.70): VV018684.D (-2094) (-)





#46

Tetrachloroethene

Concen: 2.300 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion:164 Resp: 3535

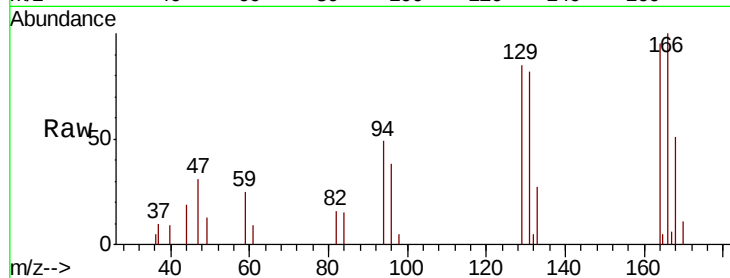
Ion Ratio Lower Upper

164 100

129 88.5 63.7 118.3

131 85.7 60.6 112.6

166 104.7 90.6 168.3

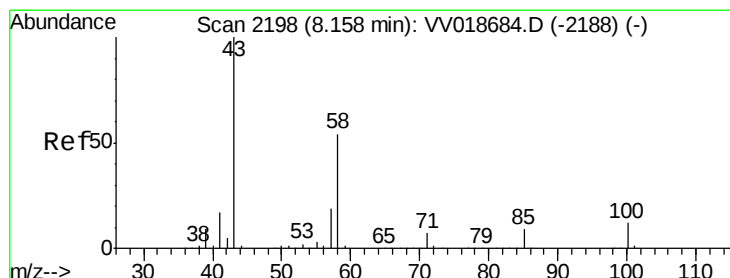
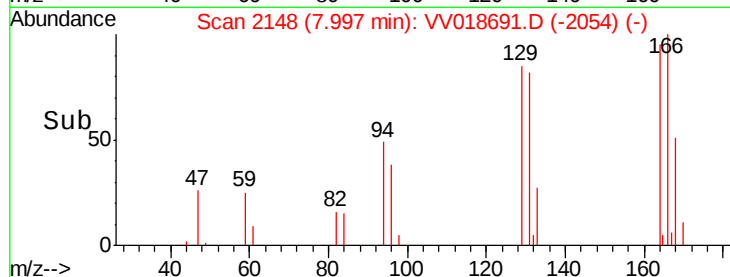
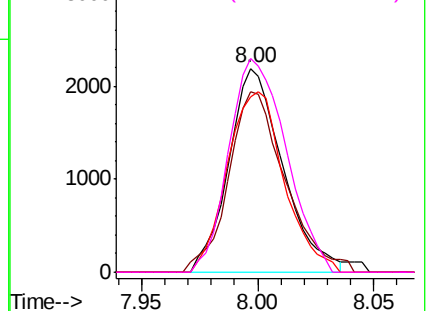


Abundance Ion 164.00 (163.70 to 164.70): V

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: 10.066 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Tgt Ion: 43 Resp: 19110

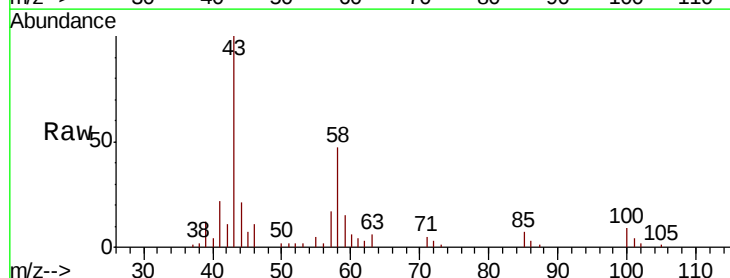
Ion Ratio Lower Upper

43 100

58 41.1 45.4 68.0#

57 16.5 16.0 24.0

100 9.2 10.1 15.1#

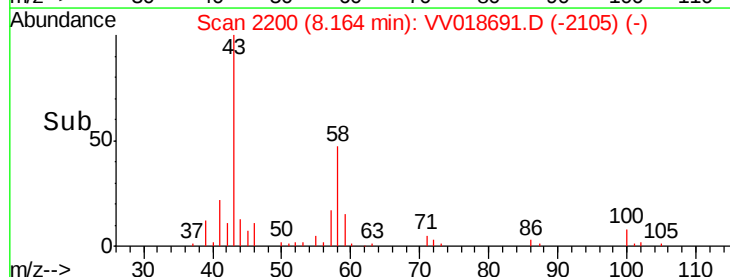
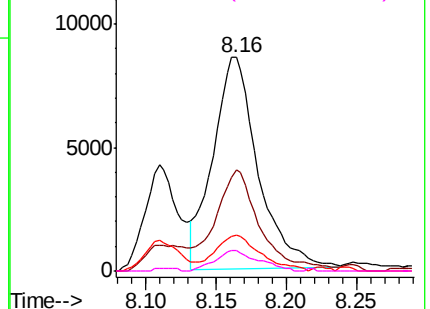


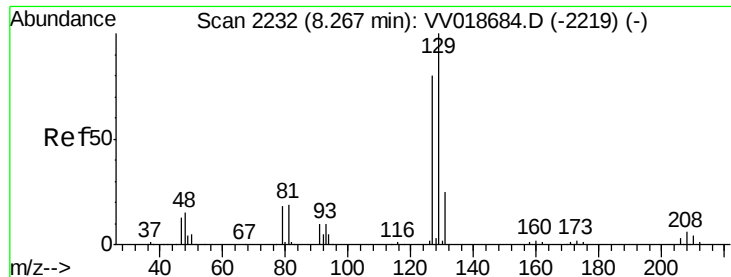
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 2.121 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampled :

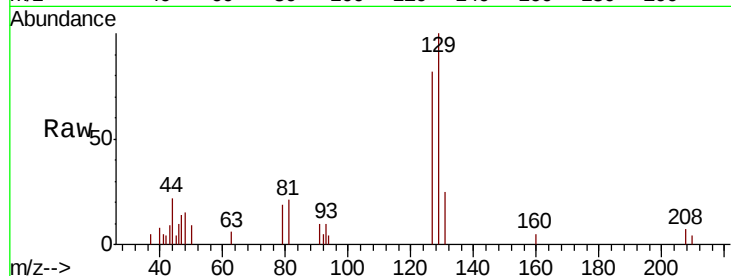
MDL05

Tot Ion:129 Resp: 4197

Ion Ratio Lower Upper

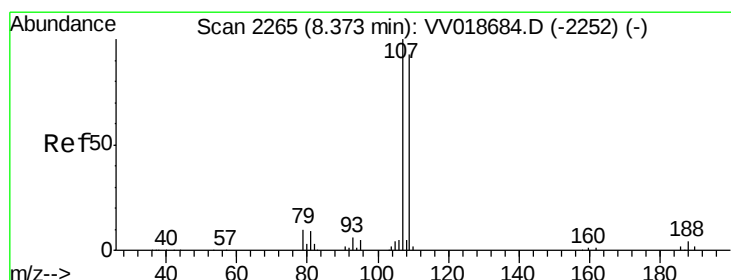
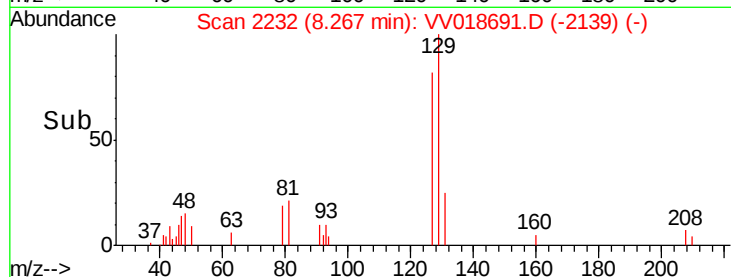
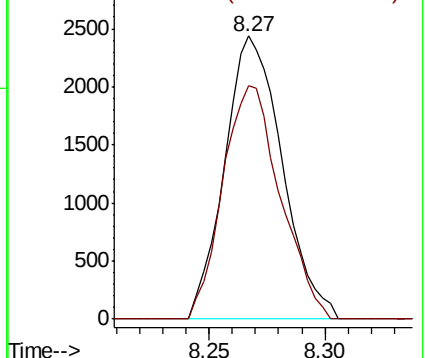
129 100

127 82.4 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.351 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

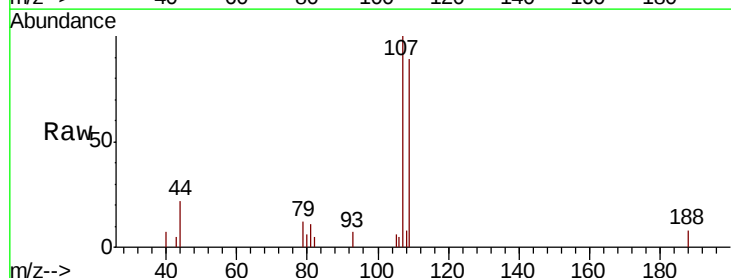
Tgt Ion:107 Resp: 4351

Ion Ratio Lower Upper

107 100

109 88.9 64.9 120.5

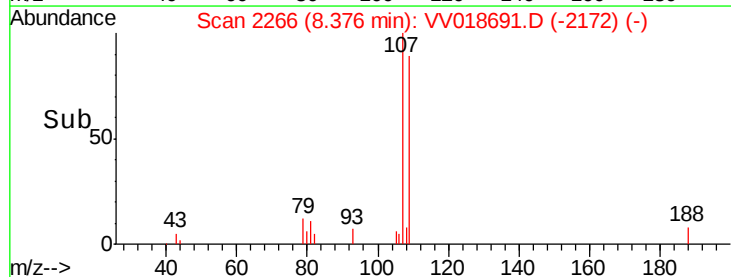
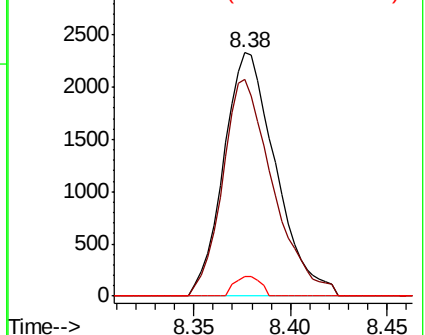
188 7.9 3.4 5.0#

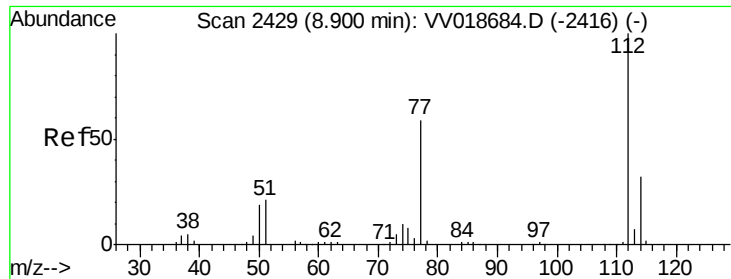


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.294 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

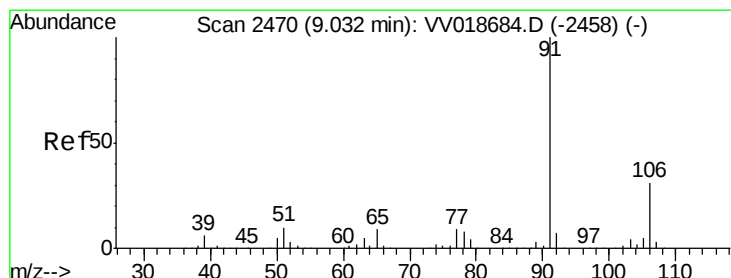
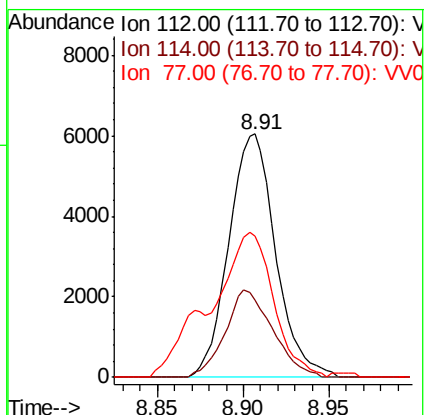
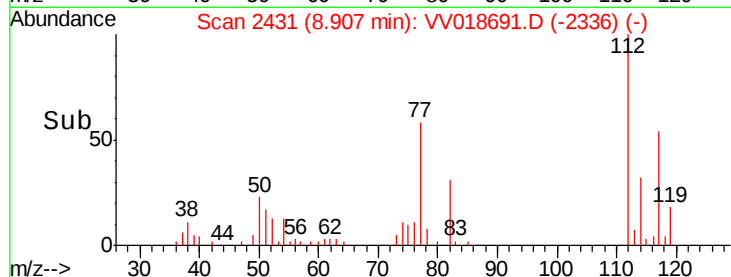
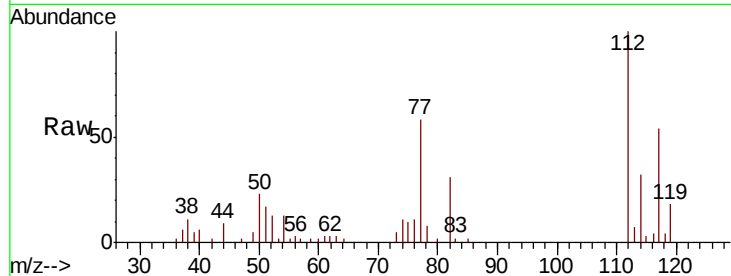
Tot Ion:112 Resp: 11480

Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

77 57.8 47.4 71.2



#52

Ethylbenzene

Concen: 2.072 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018691.D

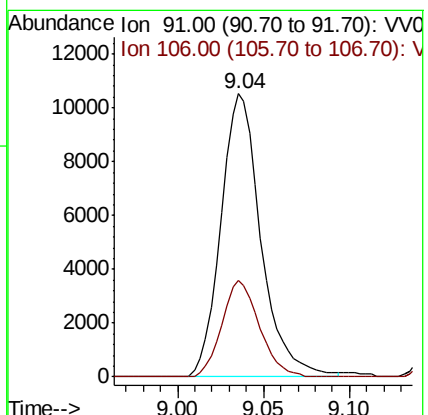
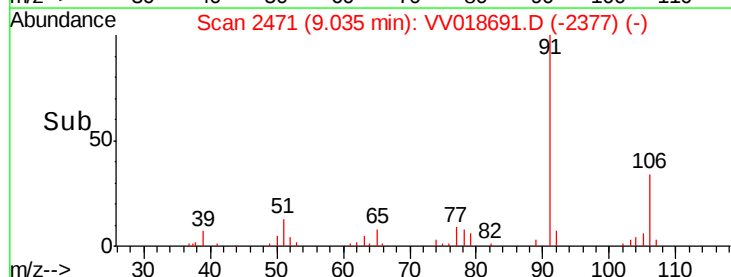
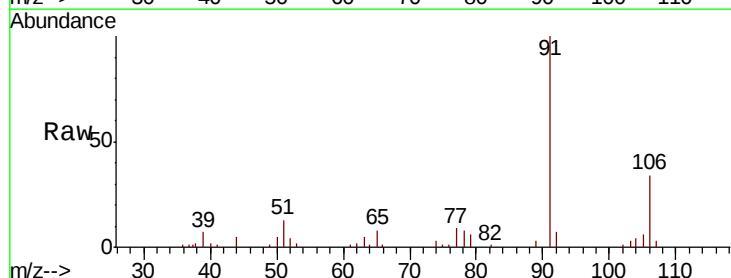
Acq: 06 Oct 2020 14:09

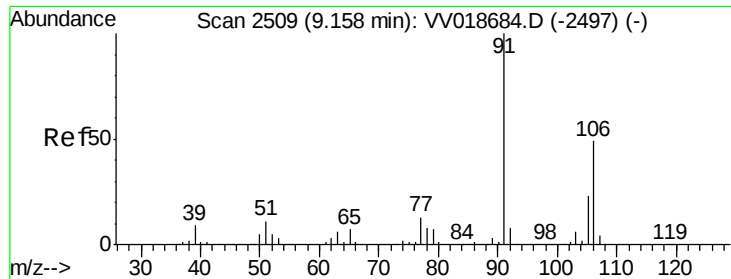
Tgt Ion: 91 Resp: 17077

Ion Ratio Lower Upper

91 100

106 34.3 21.4 39.8





#53

m,p-Xylene

Concen: 1.920 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

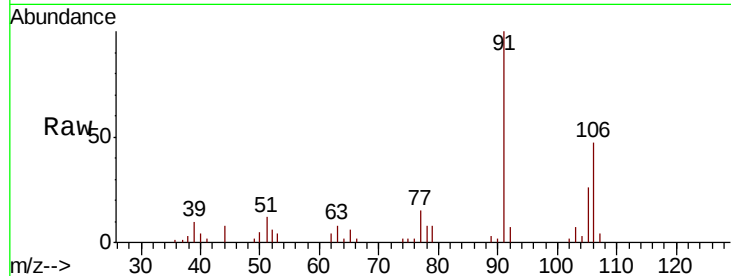
Instrument :
MSVOA_V
ClientSampleId :
MDL05

Tot Ion:106 Resp: 5909

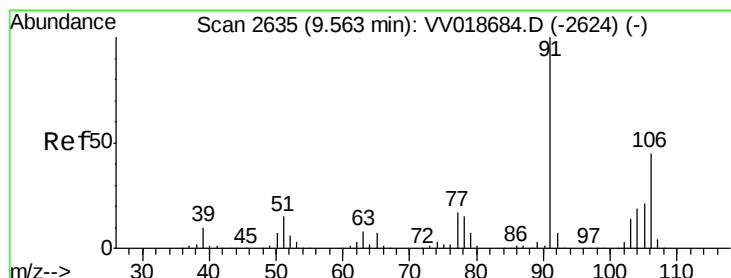
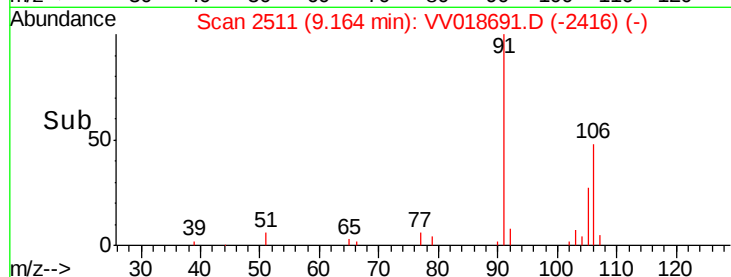
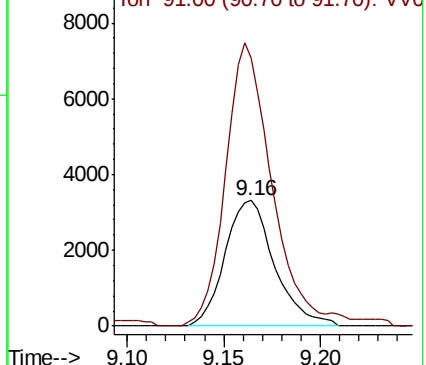
Ion Ratio Lower Upper

106 100

91 213.9 143.4 266.4



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



#54

o-Xylene

Concen: 1.949 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018691.D

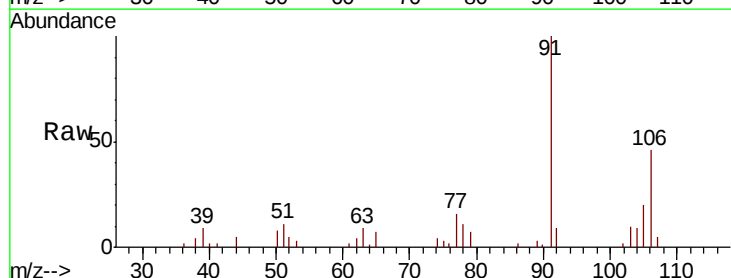
Acq: 06 Oct 2020 14:09

Tgt Ion:106 Resp: 5779

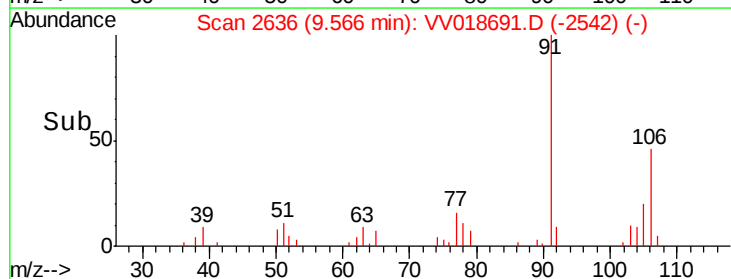
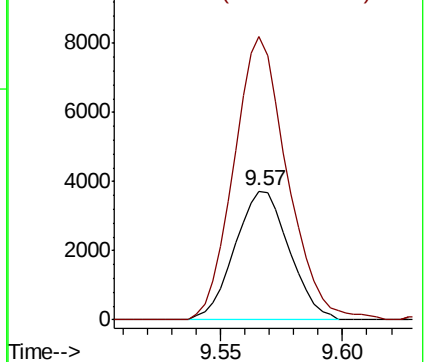
Ion Ratio Lower Upper

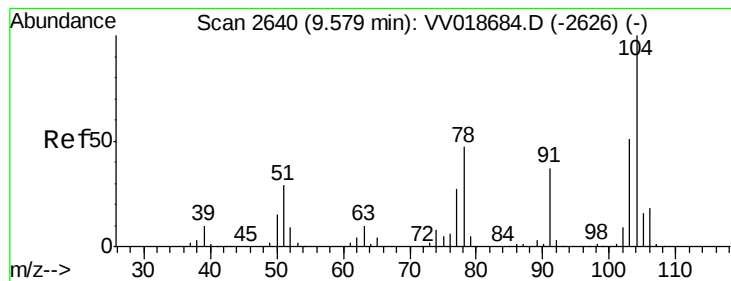
106 100

91 219.2 154.7 287.3



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





#55

Stvrene

Concen: 1.890 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampled :

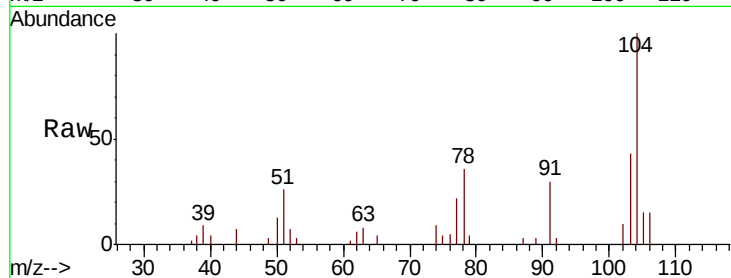
MDL05

Tot Ion:104 Resp: 9800

Ion Ratio Lower Upper

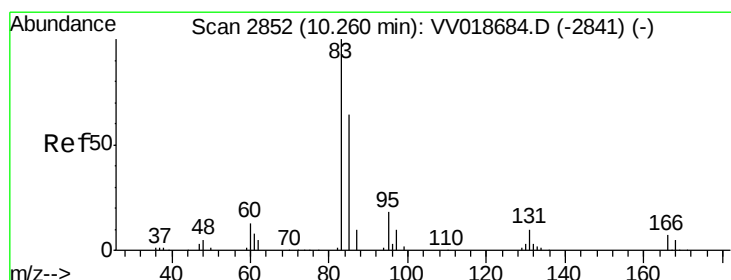
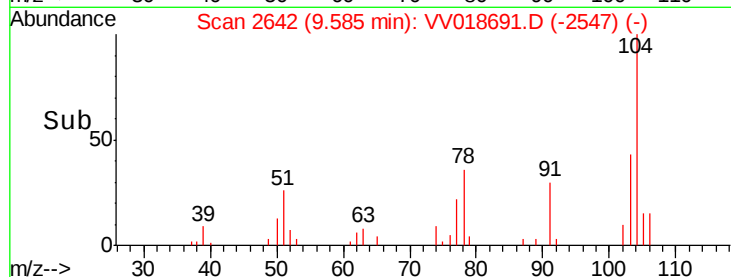
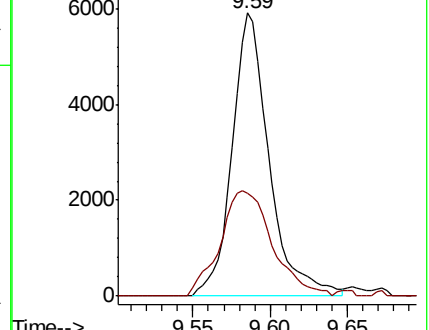
104 100

78 36.2 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): VV018691.D (-2547) (-)

Ion 78.00 (77.70 to 78.70): VV018691.D (-2547) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.169 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

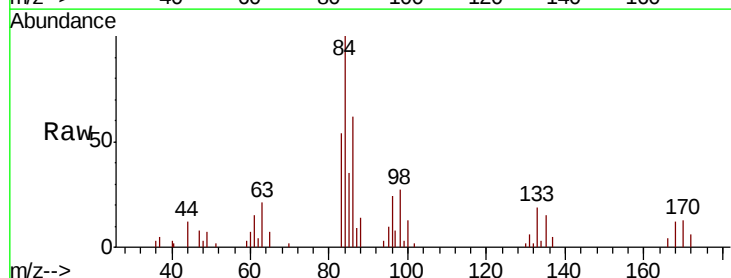
Tgt Ion: 83 Resp: 5621

Ion Ratio Lower Upper

83 100

85 65.1 44.4 82.5

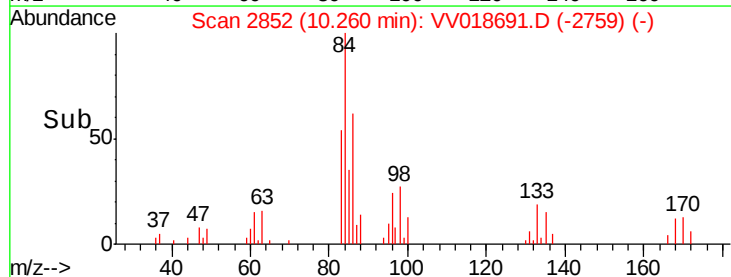
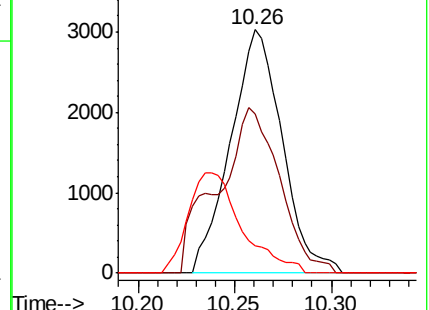
131 11.4 7.8 11.6

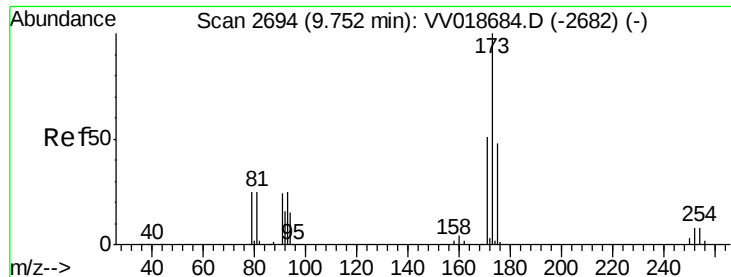


Abundance Ion 83.00 (82.70 to 83.70): VV018691.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV018691.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV018691.D (-2759) (-)





#59

Bromoform

Concen: 2.329 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

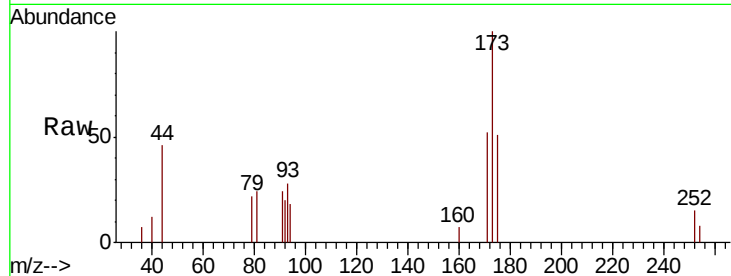
Tot Ion:173 Resp: 2729

Ion Ratio Lower Upper

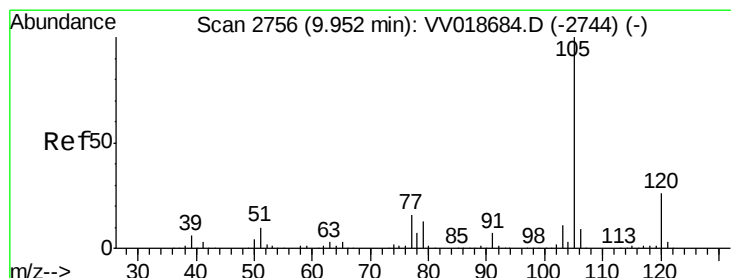
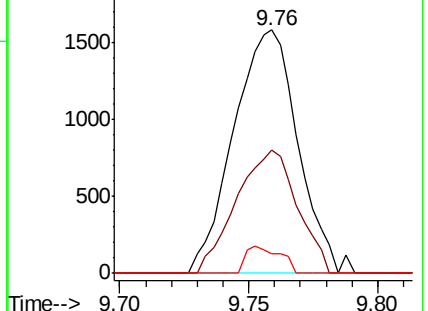
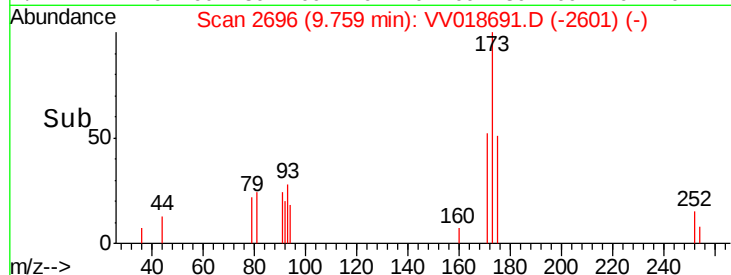
173 100

175 48.3 39.4 59.2

254 5.3 8.7 13.1#



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



#60

Isopropylbenzene

Concen: 2.301 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

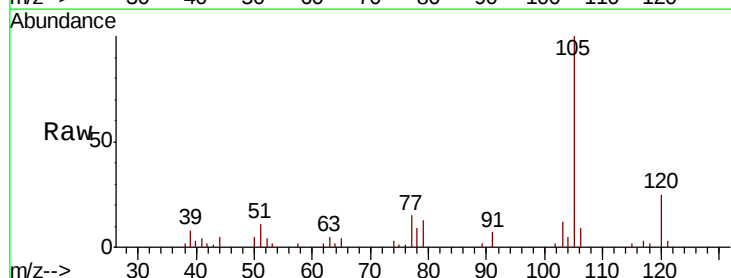
Tgt Ion:105 Resp: 14866

Ion Ratio Lower Upper

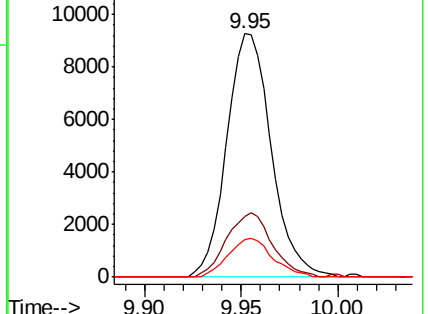
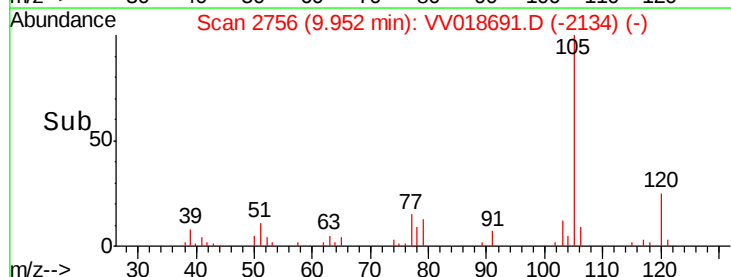
105 100

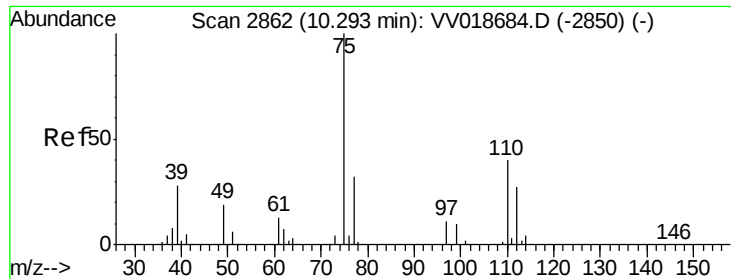
120 26.9 20.8 31.2

77 15.9 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V





#61

1,2,3-Trichloropropane

Concen: 2.859 ug/L

RT: 10.30 min Scan# 2864

Delta R.T. 0.01 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

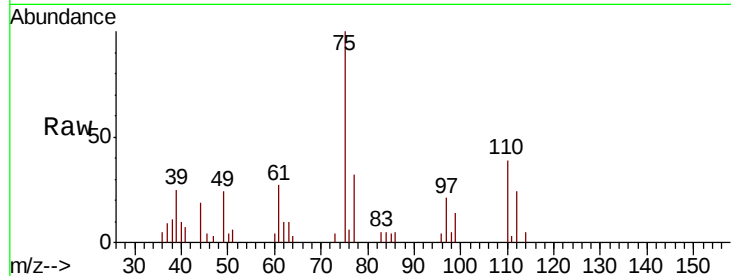
Tot Ion: 75 Resp: 5200

Ion Ratio Lower Upper

75 100

77 33.4 25.8 38.8

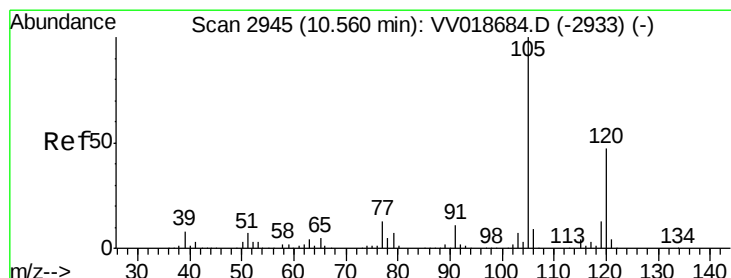
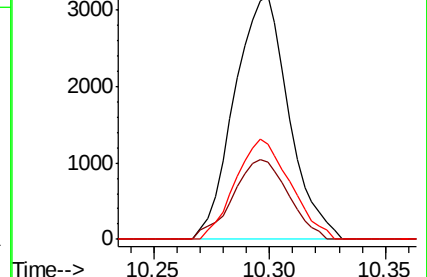
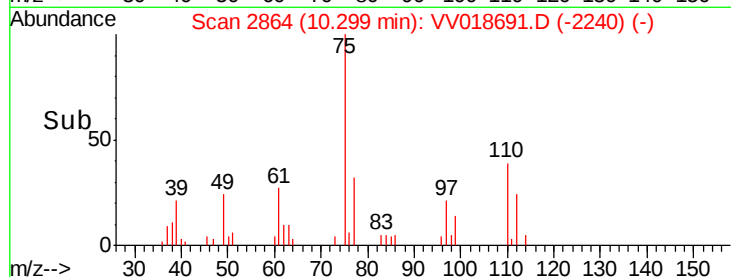
110 41.4 31.5 47.3



Abundance Ion 75.00 (74.70 to 75.70): VV018684.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018684.D (-2850) (-)

Ion 110.00 (109.70 to 110.70): VV018684.D (-2850) (-)



#62

1,3,5-Trimethylbenzene

Concen: 2.151 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV018691.D

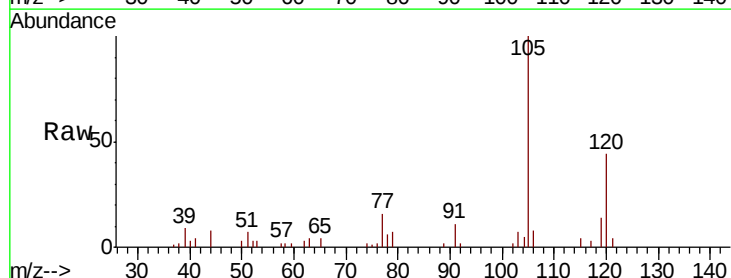
Acq: 06 Oct 2020 14:09

Tgt Ion: 105 Resp: 11249

Ion Ratio Lower Upper

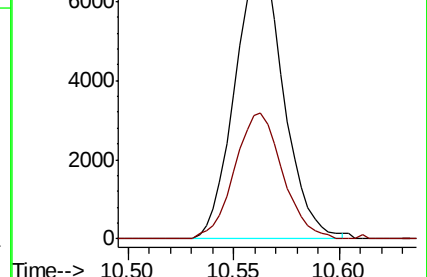
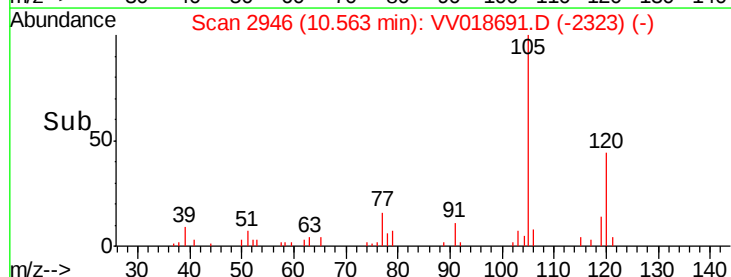
105 100

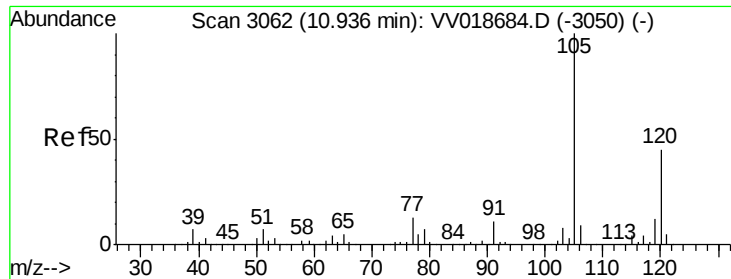
120 44.5 39.1 58.7



Abundance Ion 105.00 (104.70 to 105.70): VV018684.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV018684.D (-2933) (-)

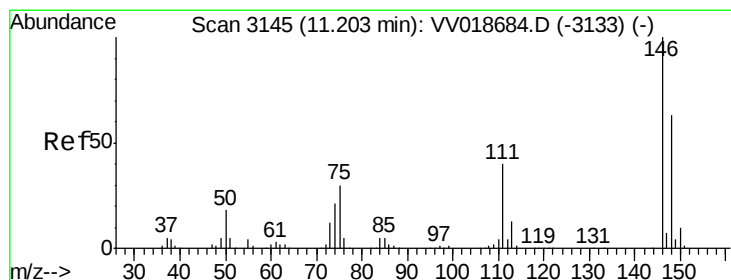
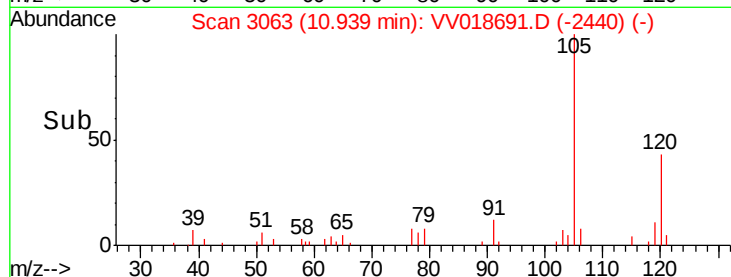
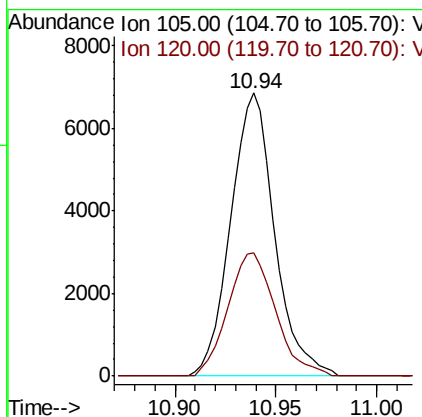
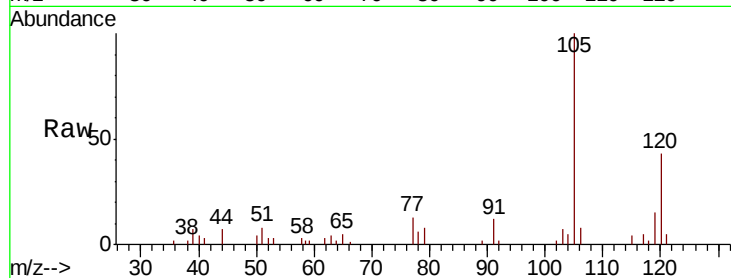




#63
 1,2,4-Trimethylbenzene
 Concen: 1.948 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

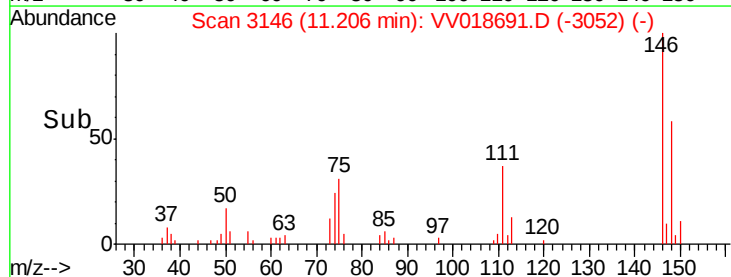
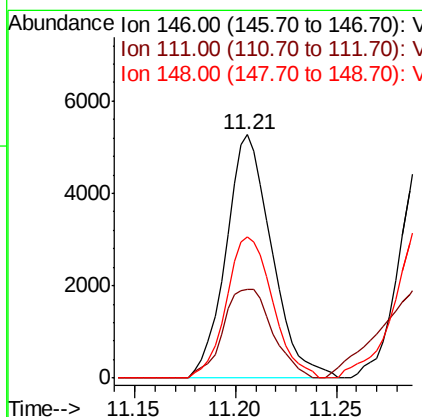
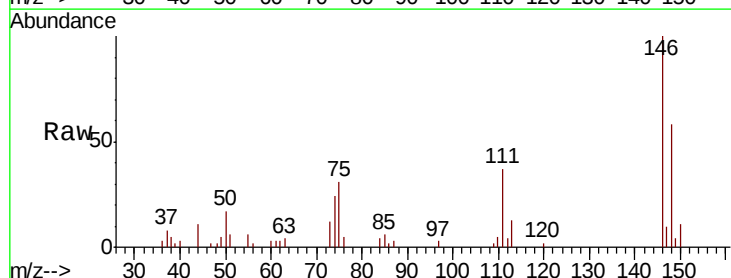
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

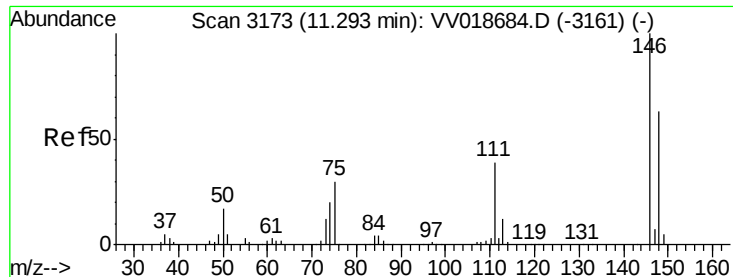
Tot Ion:105 Resp: 10457
 Ion Ratio Lower Upper
 105 100
 120 47.2 36.2 54.2



#64
 1,3-Dichlorobenzene
 Concen: 2.543 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion:146 Resp: 8349
 Ion Ratio Lower Upper
 146 100
 111 36.6 27.6 51.4
 148 58.2 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 2.692 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

Instrument :

MSVOA_V

ClientSampleId :

MDL05

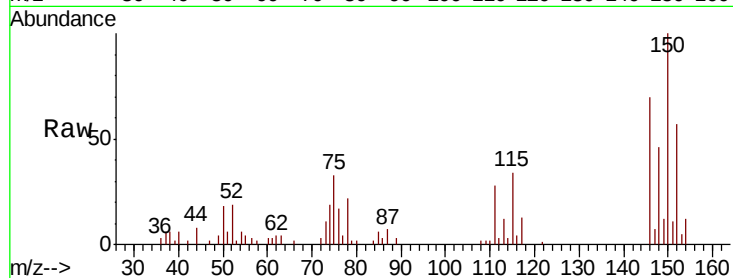
Tot Ion:146 Resp: 9263

Ion Ratio Lower Upper

146 100

111 40.0 26.6 49.4

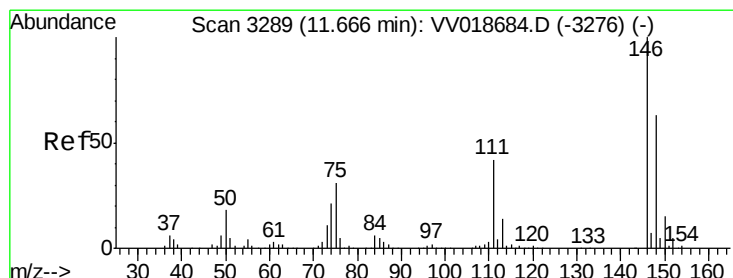
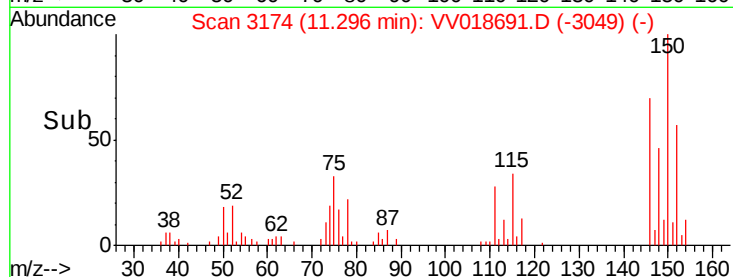
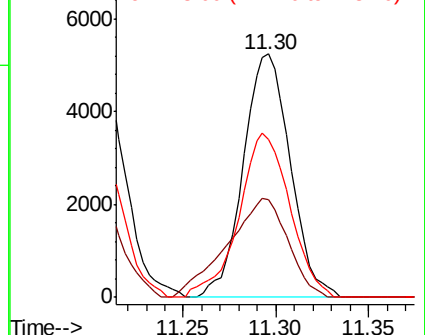
148 65.1 44.3 82.3



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



#67

1,2-Dichlorobenzene

Concen: 2.771 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018691.D

Acq: 06 Oct 2020 14:09

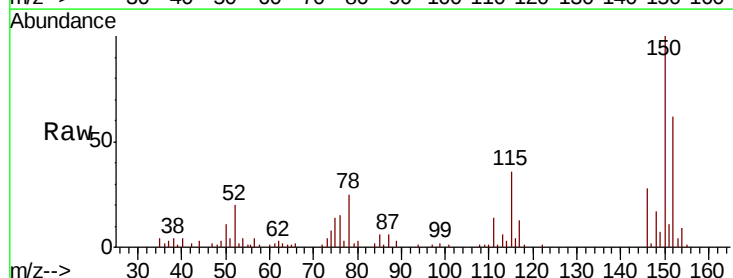
Tgt Ion:146 Resp: 9149

Ion Ratio Lower Upper

146 100

111 49.8 32.6 49.0#

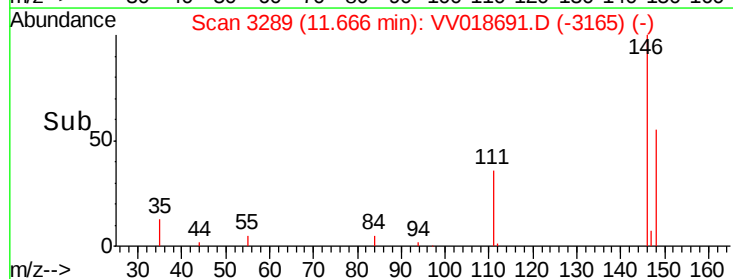
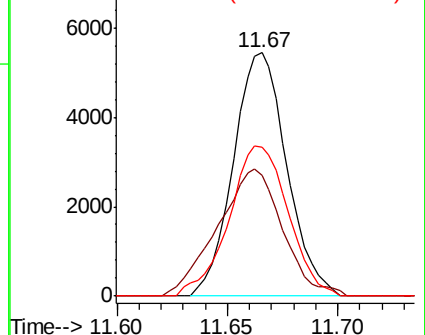
148 61.1 51.0 76.6

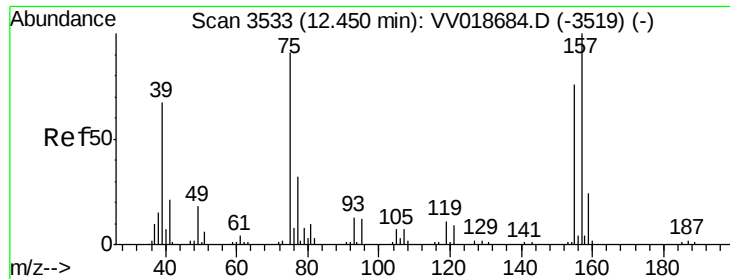


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

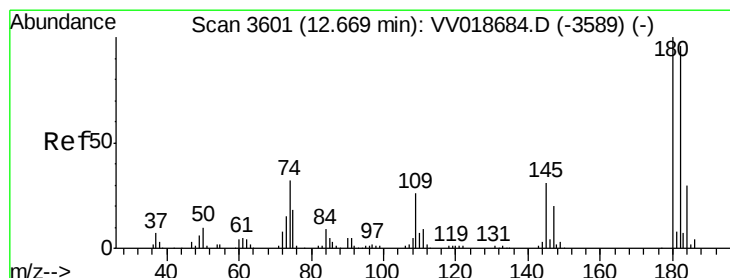
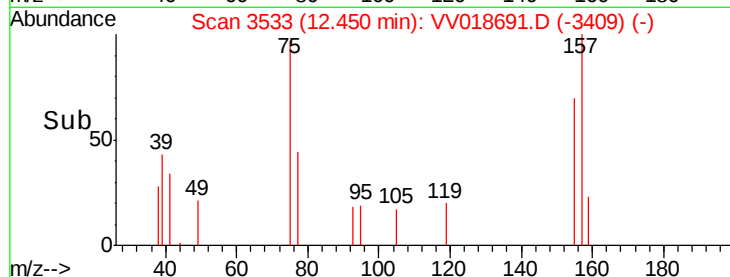
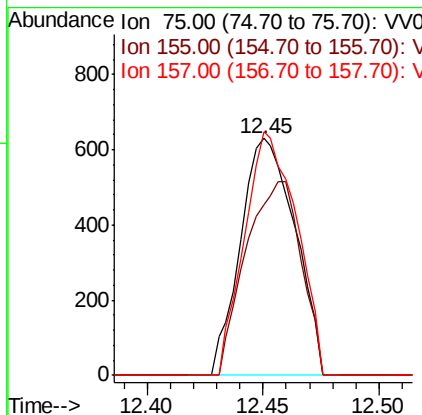
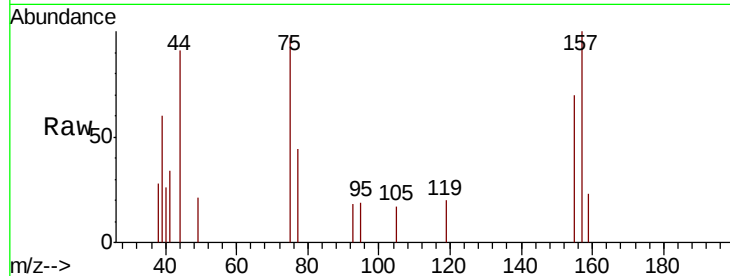




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.245 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

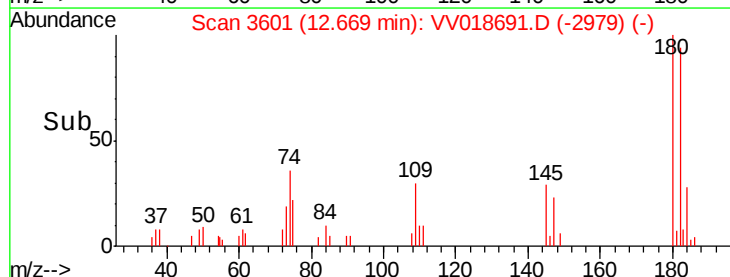
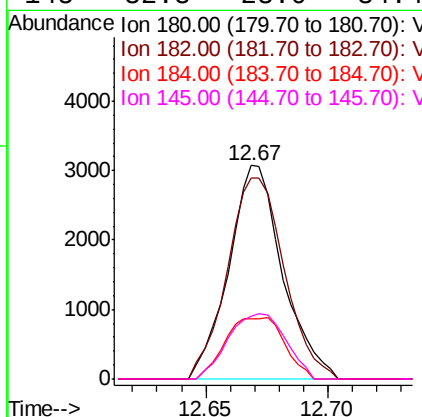
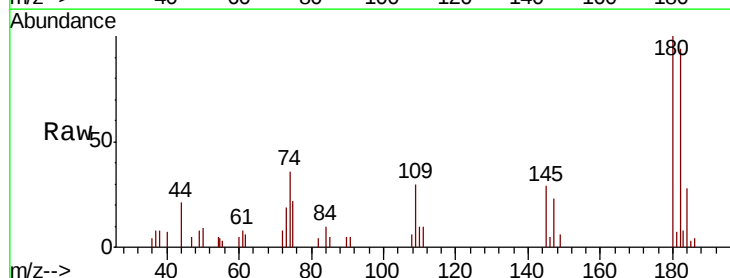
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

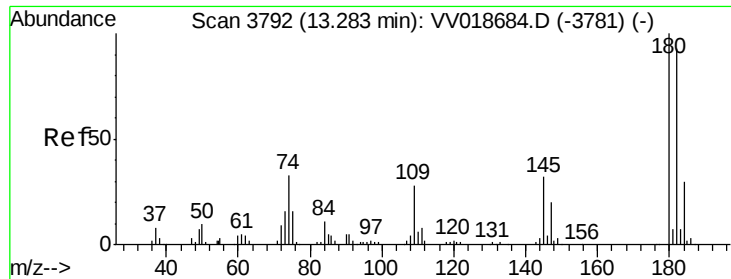
Tot Ion: 75 Resp: 1032
 Ion Ratio Lower Upper
 75 100
 155 72.1 67.6 101.4
 157 102.9 88.7 133.1



#69
 1,3,5-Trichlorobenzene
 Concen: 1.837 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion: 180 Resp: 4705
 Ion Ratio Lower Upper
 180 100
 182 99.8 76.6 115.0
 184 31.5 24.8 37.2
 145 32.8 23.0 34.4

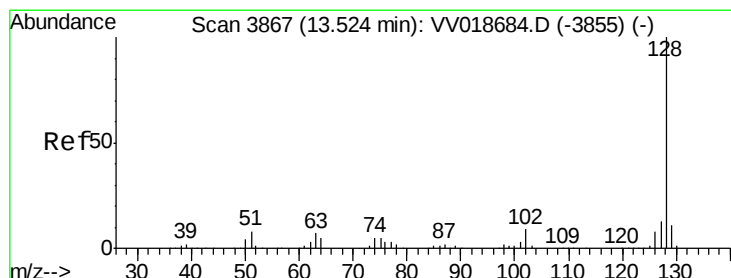
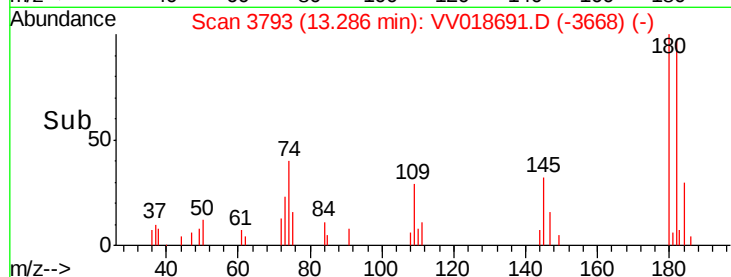
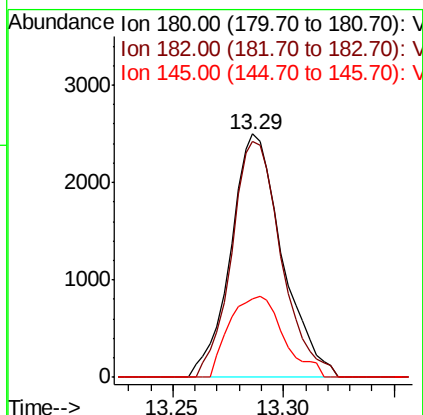
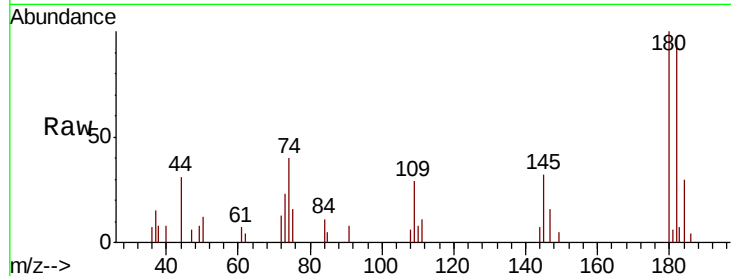




#70
 1,2,4-trichlorobenzene
 Concen: 1.764 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

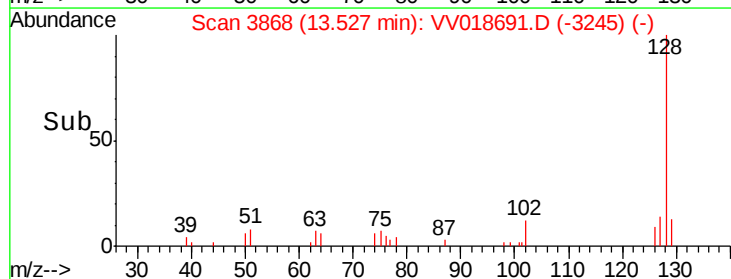
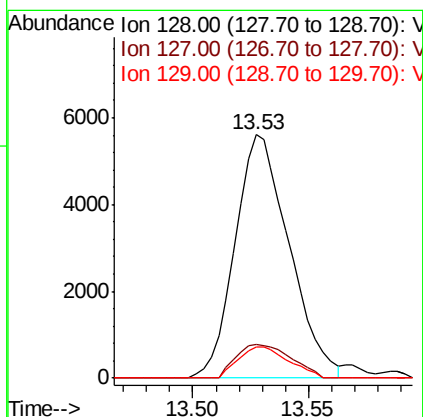
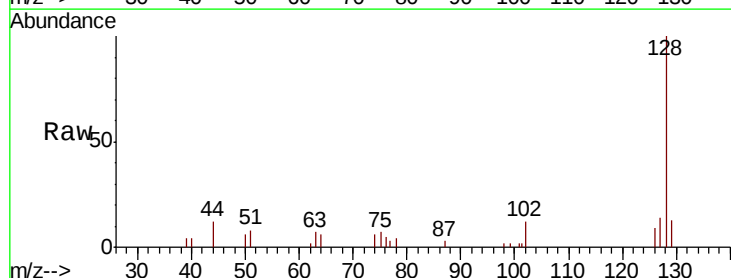
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

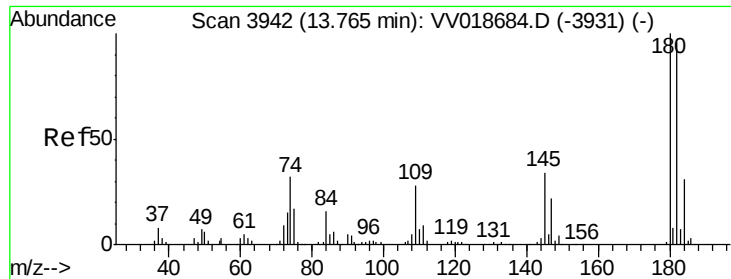
Tot Ion:180 Resp: 4046
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.8 113.6
 145 33.5 23.0 34.4



#71
 Naphthalene
 Concen: 1.531 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Tgt Ion:128 Resp: 9108
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.4 15.6
 129 11.8 8.7 13.1

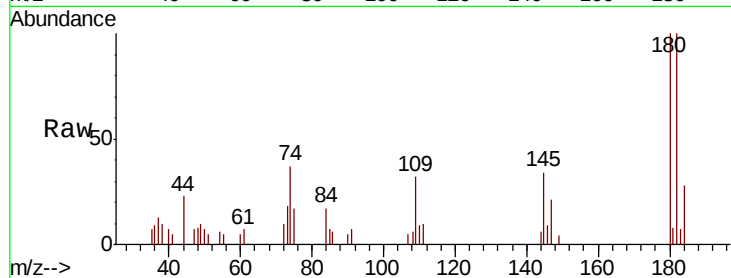




#72
 1,2,3-Trichlorobenzene
 Concen: 1.589 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV018691.D
 Acq: 06 Oct 2020 14:09

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:180 Resp: 3665
 Ion Ratio Lower Upper
 180 100
 182 114.0 77.1 115.7
 145 24.9 25.0 37.6#



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

