

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018692.D
 Acq On : 06 Oct 2020 14:33
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00u/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Quant Time: Oct 07 05:43:54 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	217206	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	214209	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	102000	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72428	53.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.48%
7) Chloroethane-d5	1.58	69	62219	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.26%
11) 1,1-Dichloroethene-d2	2.12	63	115569	40.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.80%
21) 2-Butanone-d5	3.92	46	92334	95.57	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.57%
24) Chloroform-d	4.38	84	137864	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
26) 1,2-Dichloroethane-d4	5.06	65	98557	55.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.14%
32) Benzene-d6	5.07	84	265398	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
36) 1,2-Dichloropropane-d6	6.09	67	82933	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.38%
41) Toluene-d8	7.34	98	242505	49.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.24%
43) trans-1,3-Dichloropropene-	7.64	79	42136	48.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.56%
47) 2-Hexanone-d5	8.11	63	48365	75.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	75.55%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	97281	43.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.12%
66) 1,2-Dichlorobenzene-d4	11.65	152	100630	52.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3676	2.293 ug/L	98
3) Chloromethane	1.25	50	4295	2.415 ug/L	94
5) Vinyl chloride	1.32	62	4918	2.703 ug/L #	80
6) Bromomethane	1.53	94	3058	2.645 ug/L	96
8) Chloroethane	1.60	64	3021	2.576 ug/L	98
9) Trichlorofluoromethane	1.77	101	7267	2.809 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5325	3.357 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	4640	3.076 ug/L #	1
13) Acetone	2.20	43	6112	5.002 ug/L	84
14) Carbon disulfide	2.31	76	11372	2.655 ug/L	98
15) Methyl Acetate	2.46	43	5343	3.313 ug/L	95
16) Methylene chloride	2.52	84	6004	3.516 ug/L	86
17) trans-1,2-Dichloroethene	2.78	96	4395	2.879 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	13755	2.899 ug/L #	95
19) 1,1-Dichloroethane	3.22	63	8029	2.709 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	2100	1.276 ug/L	100
23) Bromochloromethane	4.28	128	2211	2.508 ug/L	91

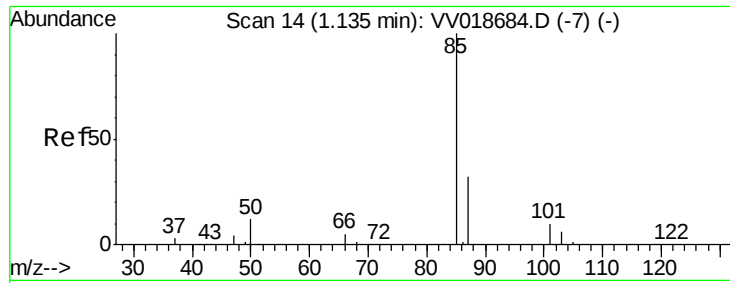
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 05:40:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	9117	3.042	ug/L	86
27) 1,2-Dichloroethane	5.16	62	6057	2.609	ug/L	99
29) Cyclohexane	4.71	56	5012	2.010	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	6633	2.518	ug/L	98
31) Carbon tetrachloride	4.85	117	5428	2.363	ug/L	99
33) Benzene	5.13	78	14128	2.202	ug/L	100
34) Trichloroethene	5.94	95	5378	3.049	ug/L	95
37) 1,2-Dichloropropane	6.20	63	3806	2.244	ug/L #	86
38) Bromodichloromethane	6.54	83	5515	2.484	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	6236	2.450	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	9654	4.795	ug/L #	91
42) Toluene	7.41	91	15866	2.357	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	5020	1.990	ug/L	96
45) 1,1,2-Trichloroethane	7.87	97	3886	2.433	ug/L	91
46) Tetrachloroethene	8.00	164	3249	2.353	ug/L	95
48) 2-Hexanone	8.16	43	17855	10.465	ug/L #	84
49) Dibromochloromethane	8.27	129	4124	2.319	ug/L	90
50) 1,2-Dibromoethane	8.38	107	4183	2.515	ug/L #	91
51) Chlorobenzene	8.90	112	11120	2.472	ug/L	99
52) Ethylbenzene	9.04	91	15721	2.122	ug/L	96
53) m,p-Xylene	9.16	106	6353	2.297	ug/L	89
54) o-Xylene	9.57	106	5751	2.158	ug/L	90
55) Styrene	9.59	104	8559	1.836	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	5389	2.314	ug/L #	92
59) Bromoform	9.76	173	2653	2.327	ug/L #	93
60) Isopropylbenzene	9.95	105	14372	2.286	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	5279	2.982	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	10398	2.043	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	10359	1.983	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	7765	2.430	ug/L	94
65) 1,4-Dichlorobenzene	11.30	146	8872	2.649	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	9120	2.839	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	1126	2.518	ug/L #	74
69) 1,3,5-Trichlorobenzene	12.67	180	4838	1.942	ug/L	97
70) 1,2,4-trichlorobenzene	13.29	180	3783	1.695	ug/L	97
71) Naphthalene	13.53	128	9863	1.703	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	4027	1.795	ug/L	90

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



#2

Dichlorodifluoromethane

Concen: 2.293 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

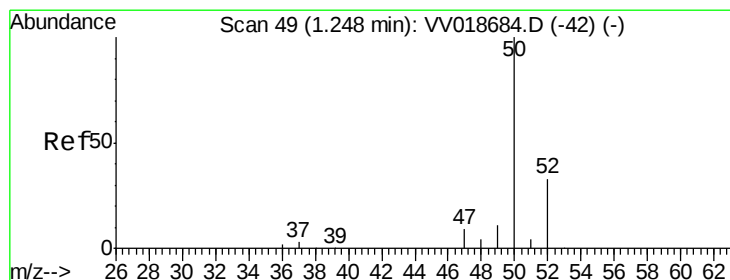
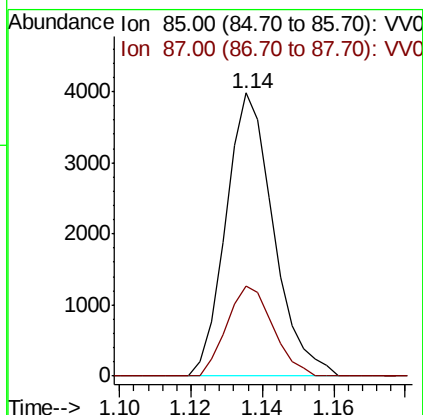
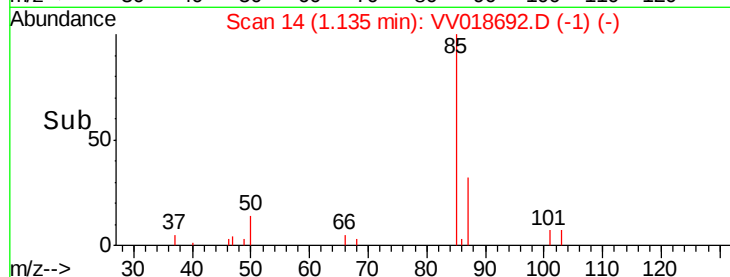
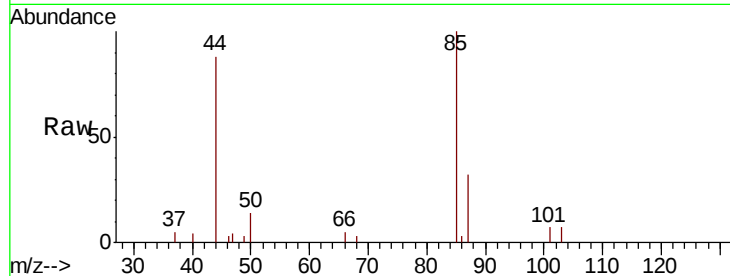
MDL02

Tot Ion: 85 Resp: 3676

Ion Ratio Lower Upper

85 100

87 30.8 25.8 38.6



#3

Chloromethane

Concen: 2.415 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018692.D

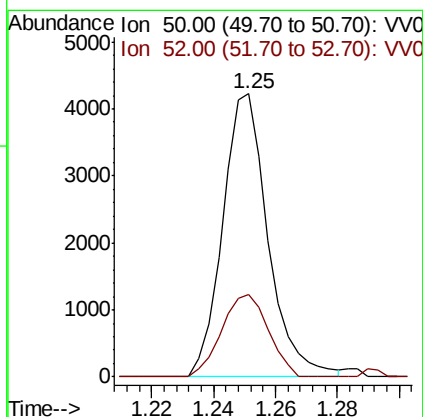
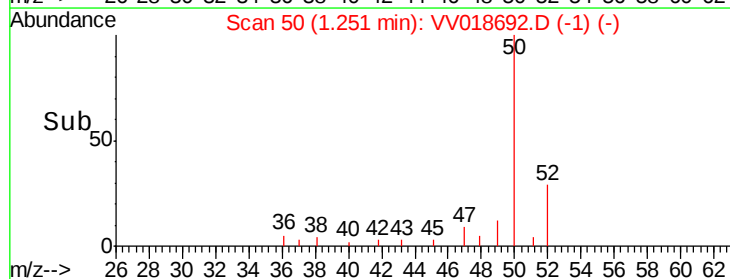
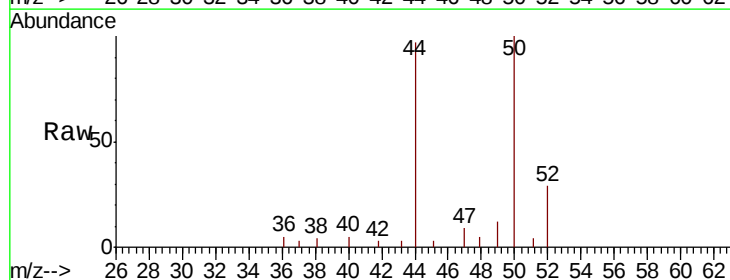
Acq: 06 Oct 2020 14:33

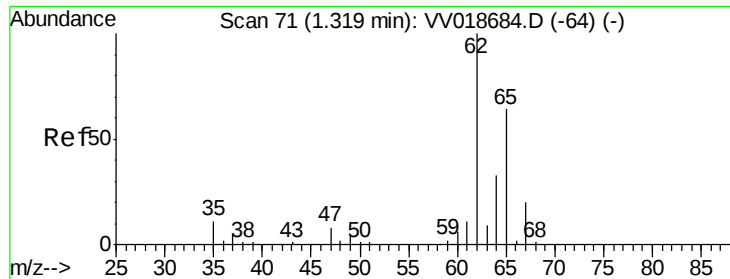
Tgt Ion: 50 Resp: 4295

Ion Ratio Lower Upper

50 100

52 29.0 22.5 41.9





#5

Vinyl chloride

Concen: 2.703 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

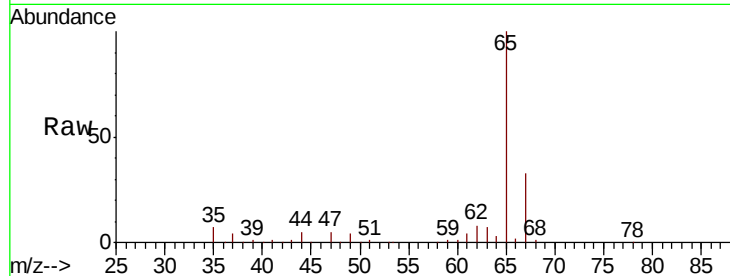
MDL02

Tot Ion: 62 Resp: 4918

Ion Ratio Lower Upper

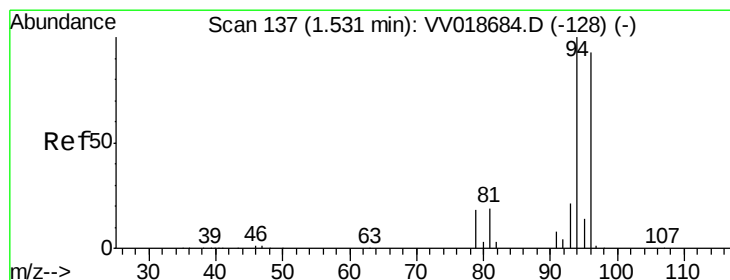
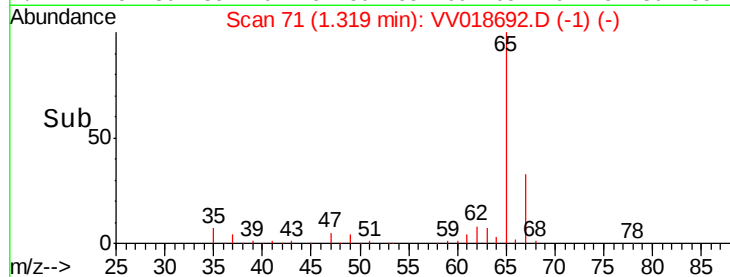
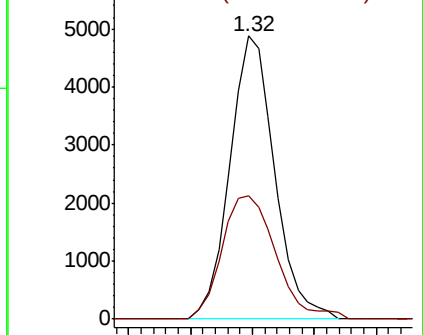
62 100

64 43.7 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: 2.645 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018692.D

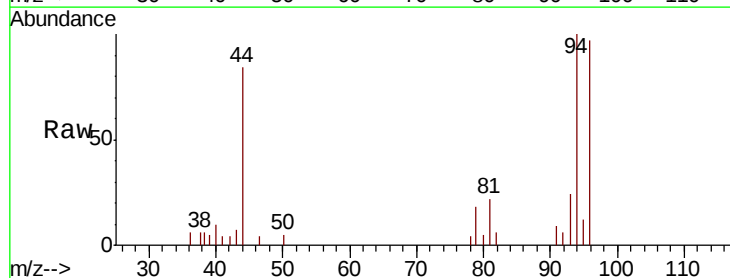
Acq: 06 Oct 2020 14:33

Tgt Ion: 94 Resp: 3058

Ion Ratio Lower Upper

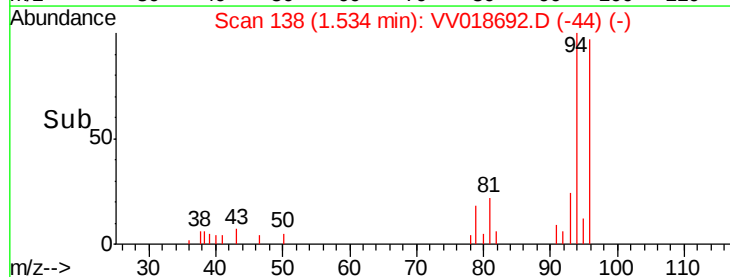
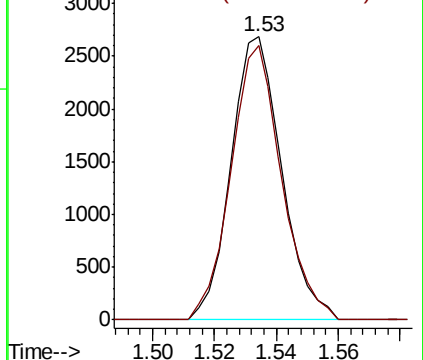
94 100

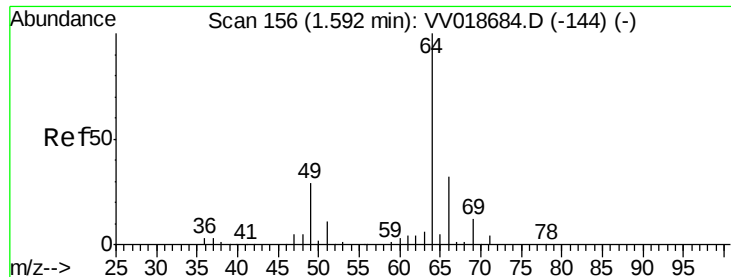
96 96.9 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.576 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

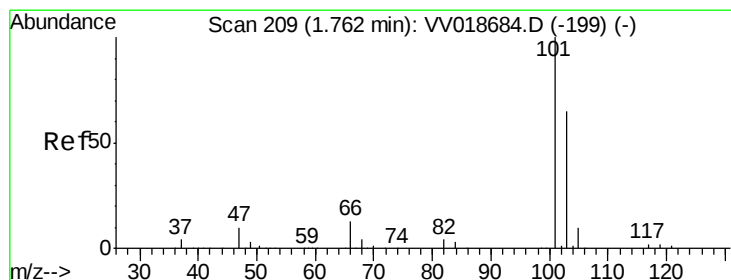
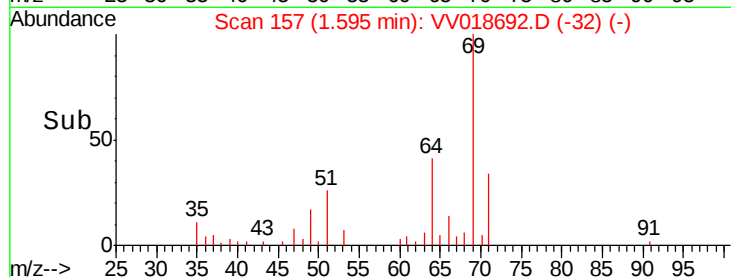
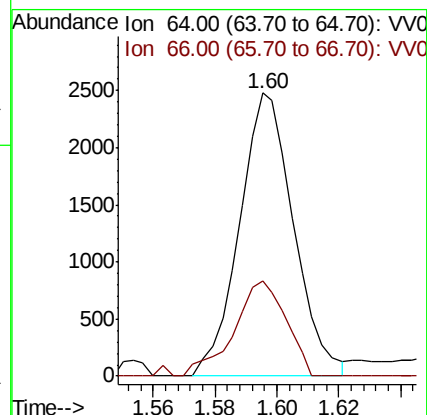
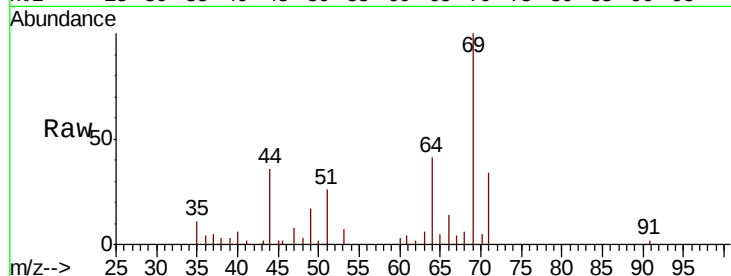
MDL02

Tot Ion: 64 Resp: 3021

Ion Ratio Lower Upper

64 100

66 33.7 23.0 42.6



#9

Trichlorofluoromethane

Concen: 2.809 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018692.D

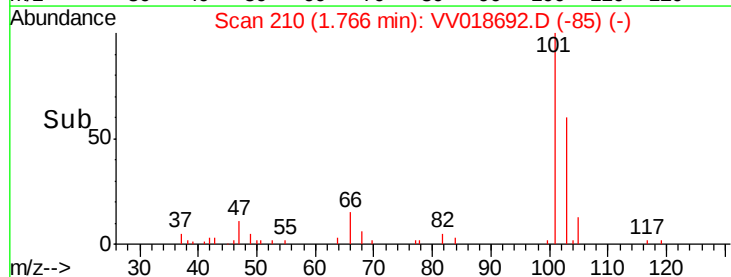
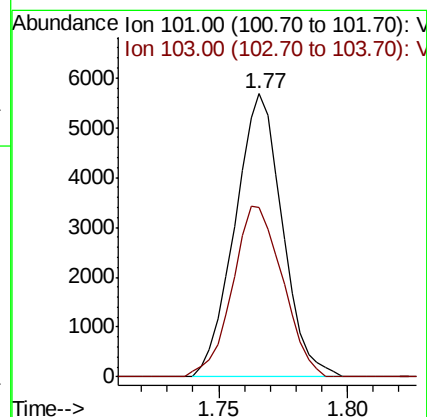
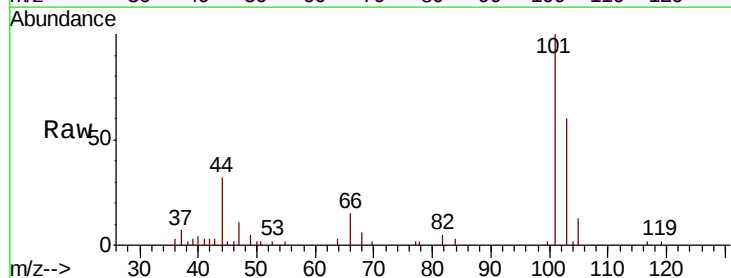
Acq: 06 Oct 2020 14:33

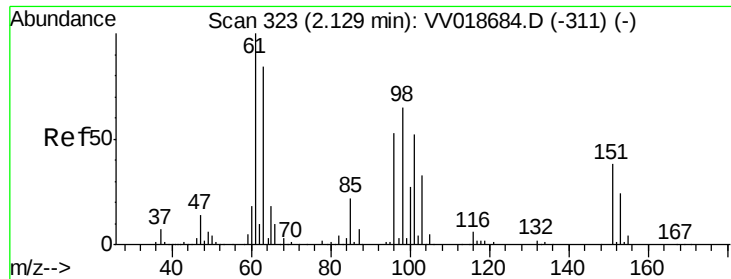
Tgt Ion: 101 Resp: 7267

Ion Ratio Lower Upper

101 100

103 63.6 52.1 78.1





#10

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

Concen: 3.357 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

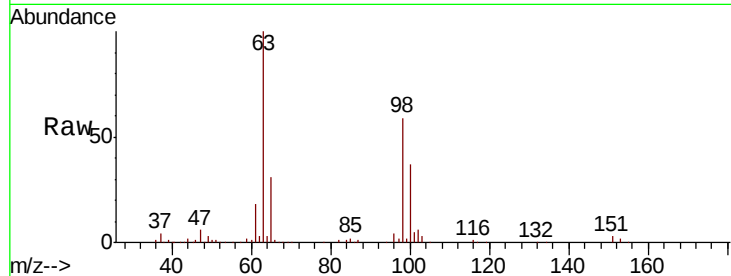
Tot Ion:101 Resp: 5325

Ion Ratio Lower Upper

101 100

85 38.3 34.6 51.8

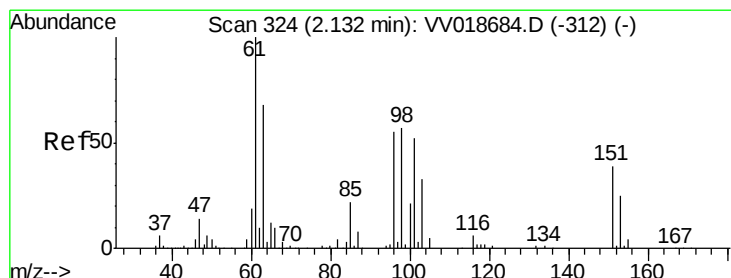
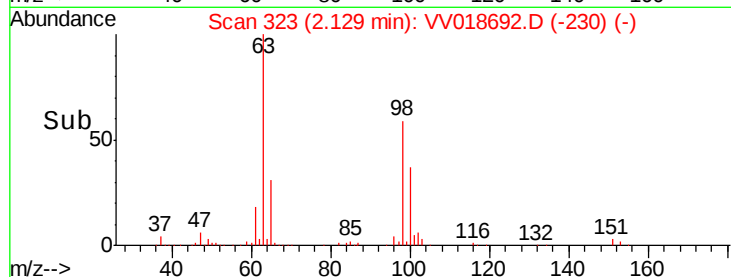
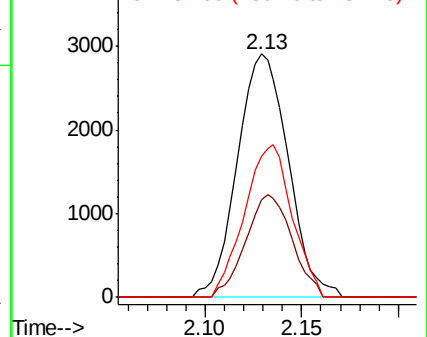
151 58.6 62.4 93.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.076 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

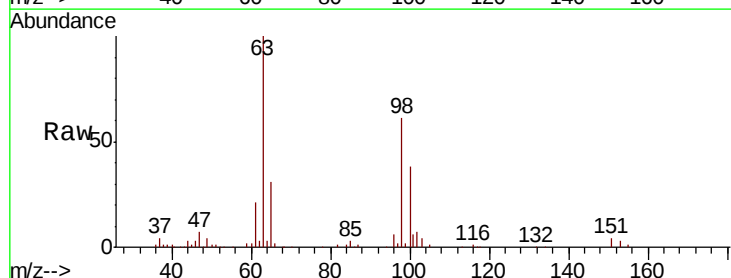
Tgt Ion: 96 Resp: 4640

Ion Ratio Lower Upper

96 100

61 341.1 121.0 224.8#

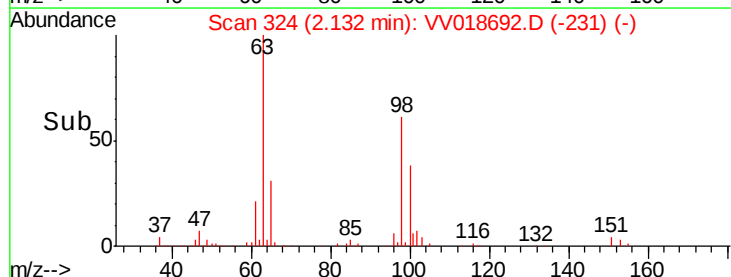
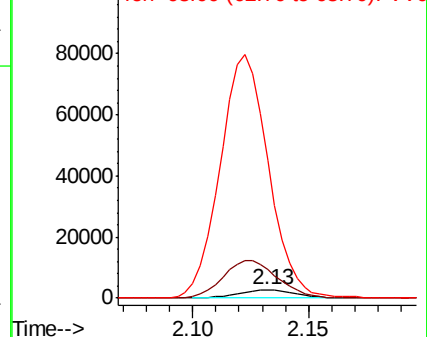
63 1628.2 93.0 172.6#

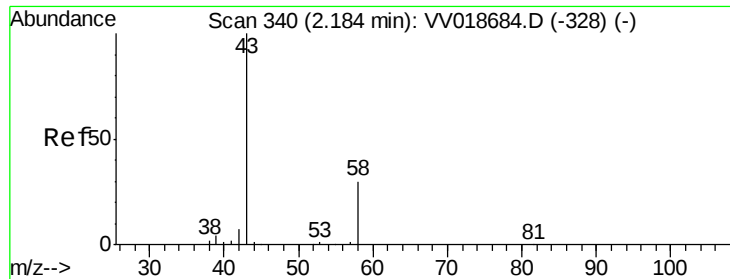


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.002 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

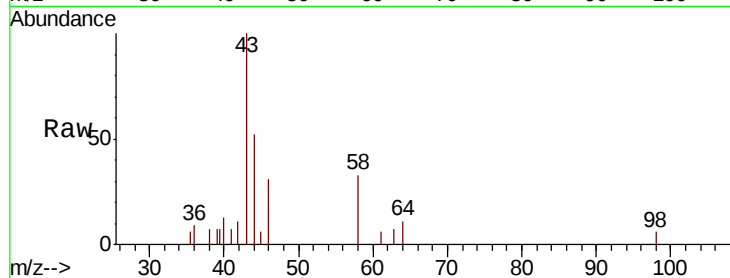
MDL02

Tot Ion: 43 Resp: 6112

Ion Ratio Lower Upper

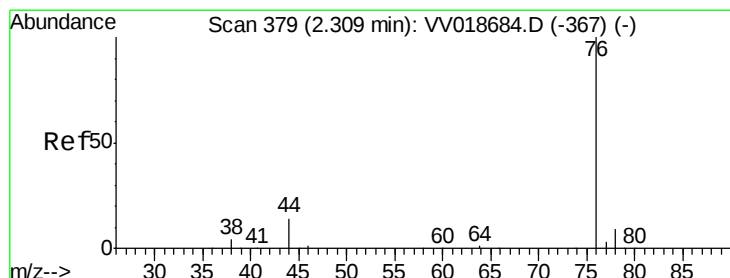
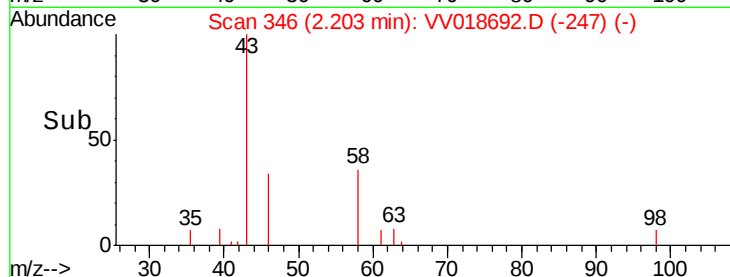
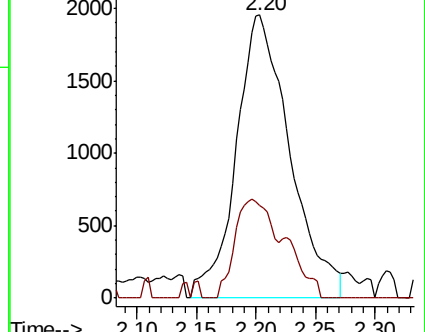
43 100

58 24.1 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV018684.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV018684.D (-328) (-)



#14

Carbon disulfide

Concen: 2.655 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018692.D

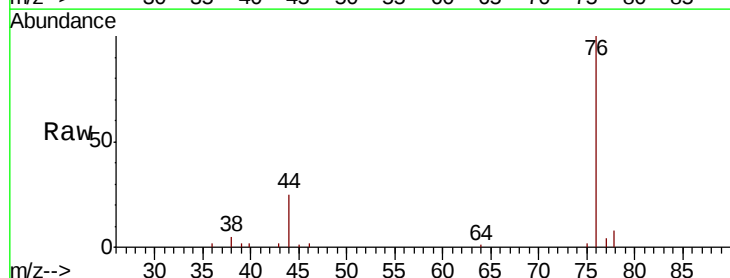
Acq: 06 Oct 2020 14:33

Tgt Ion: 76 Resp: 11372

Ion Ratio Lower Upper

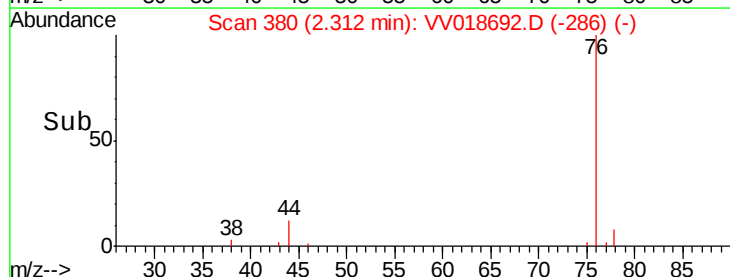
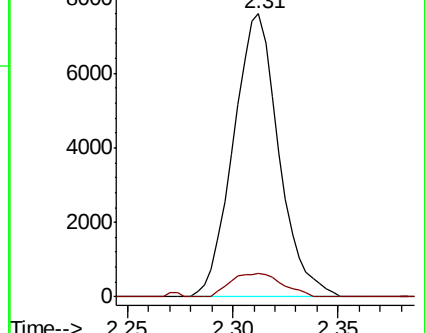
76 100

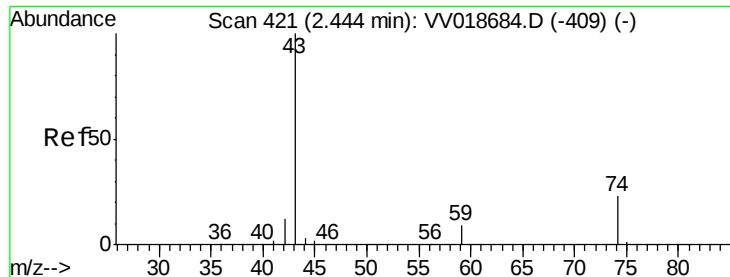
78 8.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV018684.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018684.D (-367) (-)





#15

Methvl Acetate

Concen: 3.313 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

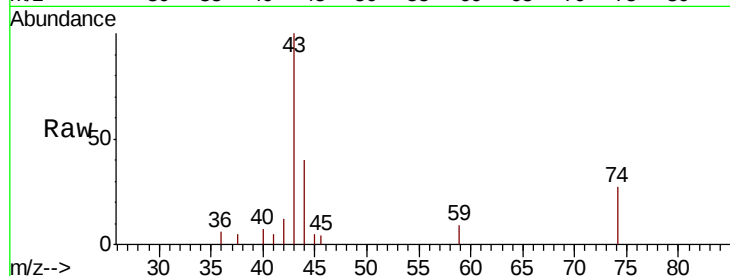
MDL02

Tot Ion: 43 Resp: 5343

Ion Ratio Lower Upper

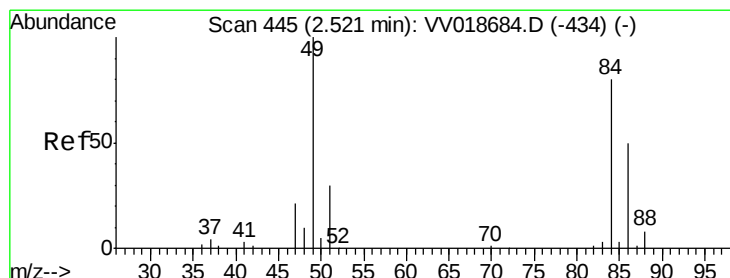
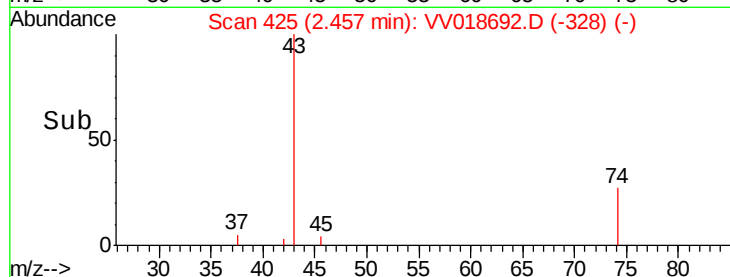
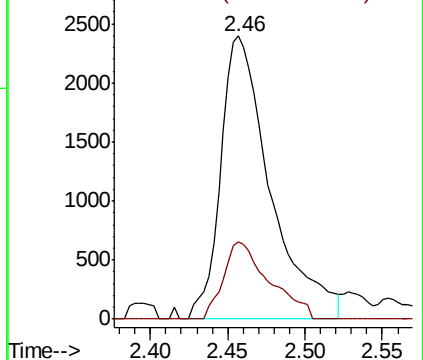
43 100

74 25.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 3.516 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

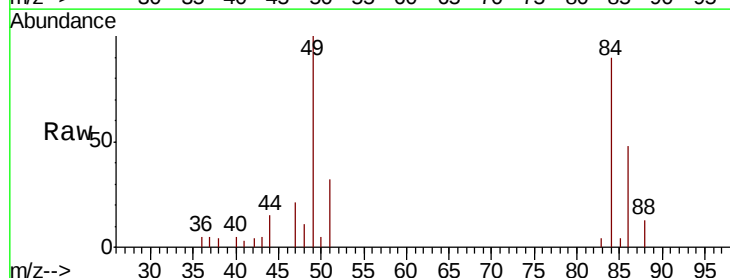
Tgt Ion: 84 Resp: 6004

Ion Ratio Lower Upper

84 100

86 53.0 46.0 85.4

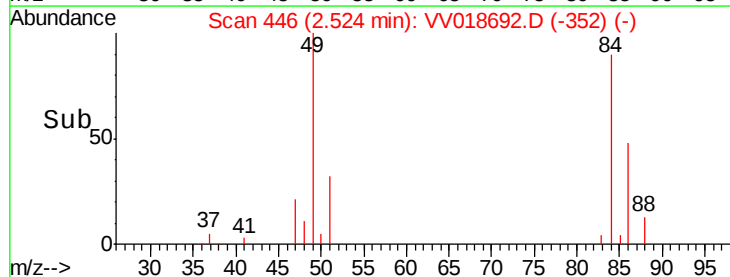
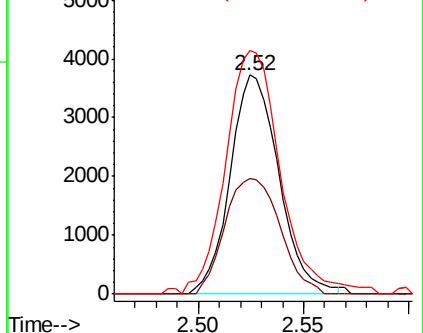
49 111.1 87.5 162.5

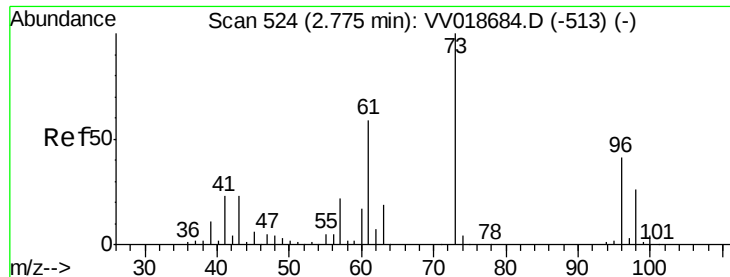


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

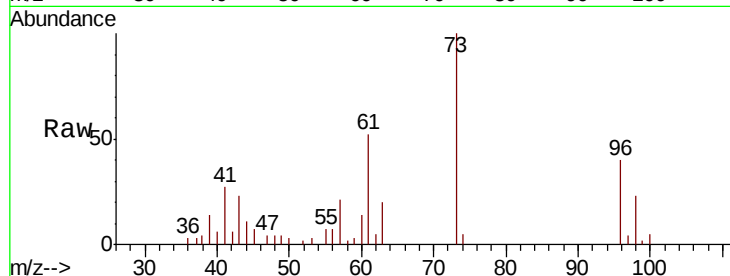




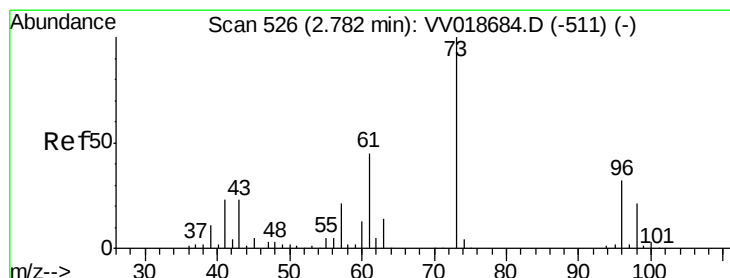
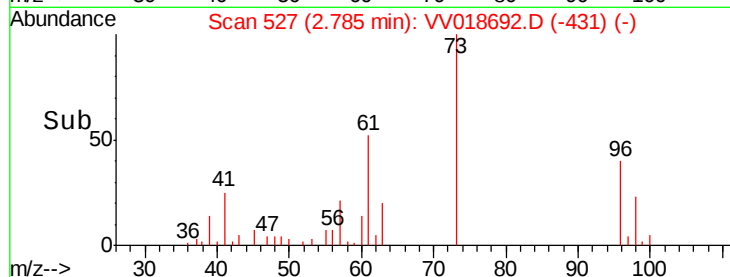
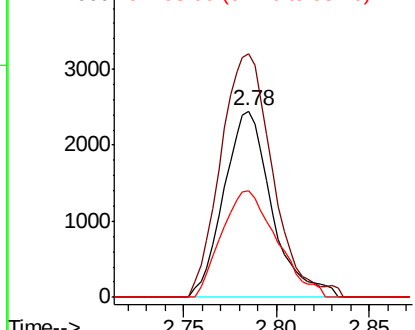
#17
trans-1,2-Dichloroethene
Concen: 2.879 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampled :
MDL02

Tot Ion: 96 Resp: 4395
Ion Ratio Lower Upper
96 100
61 130.8 98.3 182.5
98 57.0 43.5 80.7

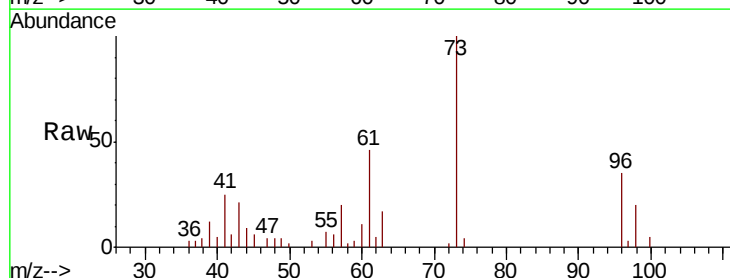


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

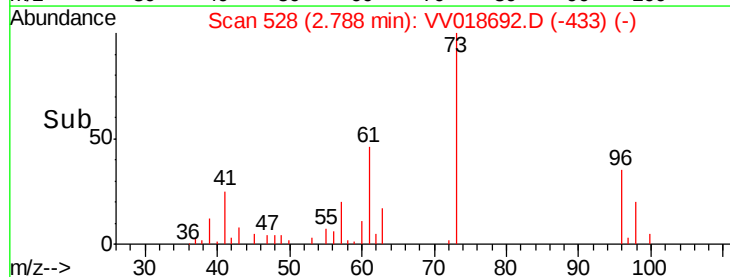
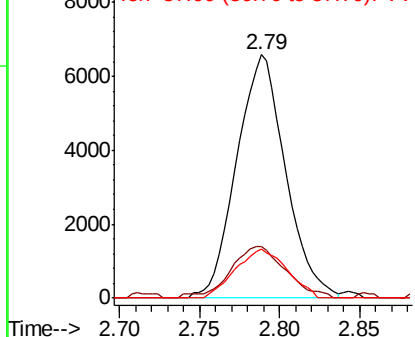


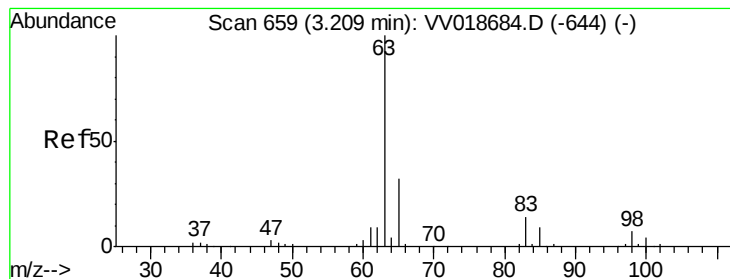
#18
Methyl tert-butyl Ether
Concen: 2.899 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion: 73 Resp: 13755
Ion Ratio Lower Upper
73 100
43 23.4 15.4 23.2#
57 21.2 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: 2.709 ug/L

RT: 3.22 min Scan# 662

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

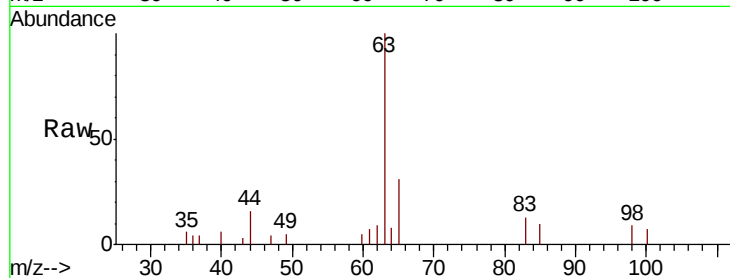
Tot Ion: 63 Resp: 8029

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.6

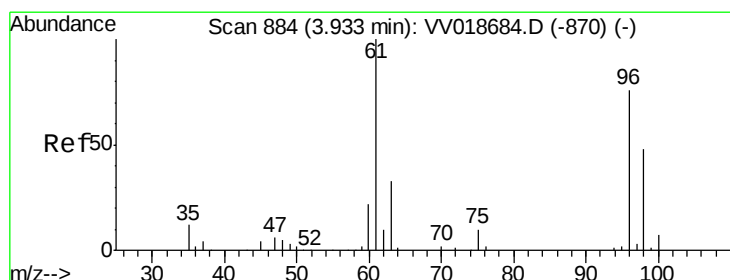
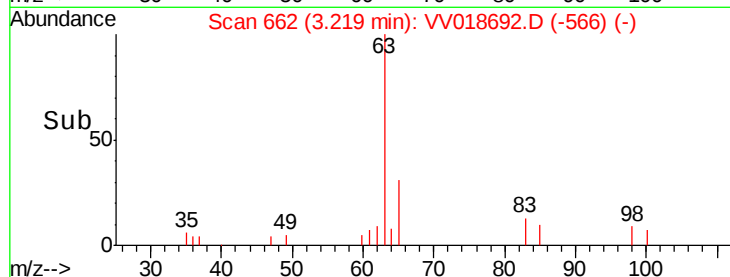
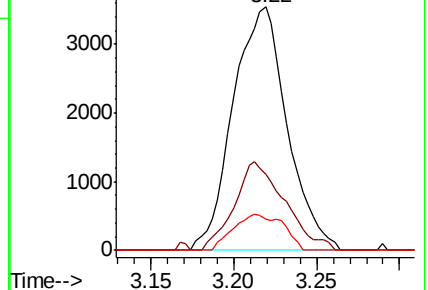
83 12.9 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1.276 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

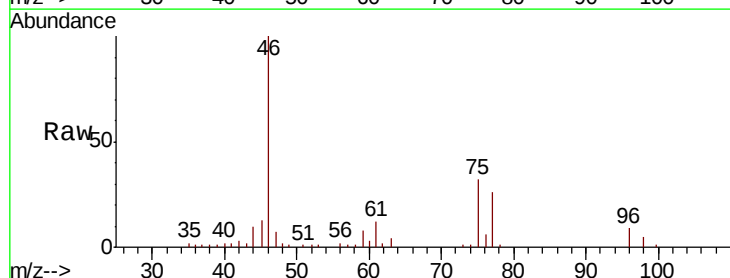
Tgt Ion: 96 Resp: 2100

Ion Ratio Lower Upper

96 100

61 129.6 90.4 167.8

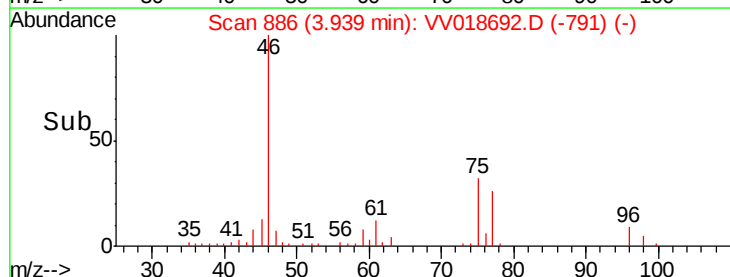
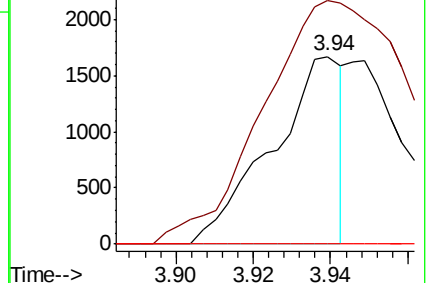
68 0.0 0.0 0.0

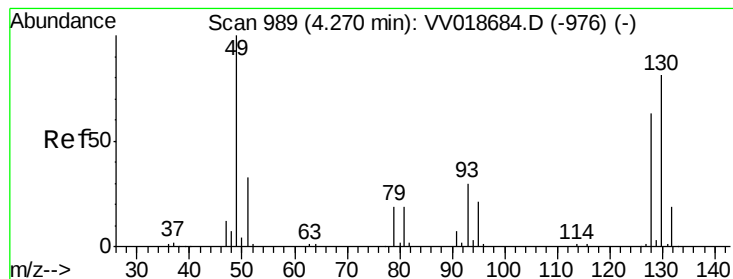


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 2.508 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

Tot Ion:128 Resp: 2211

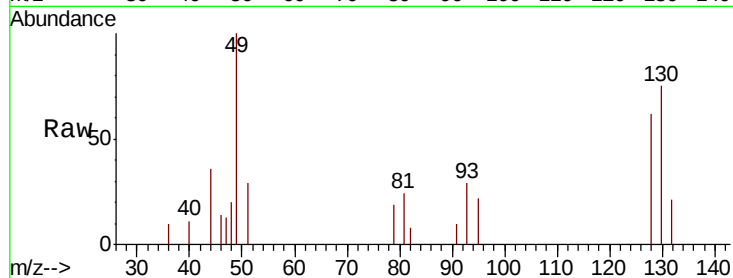
Ion Ratio Lower Upper

128 100

49 160.7 120.3 223.3

130 120.4 91.3 169.5

51 46.3 43.1 64.7

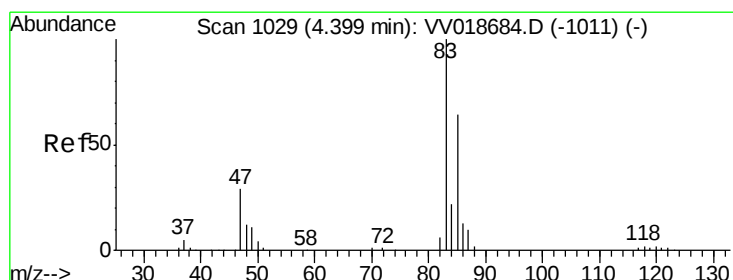
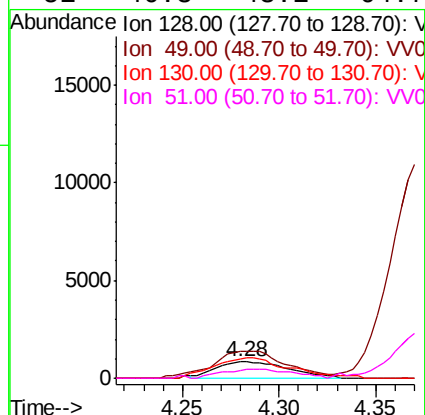
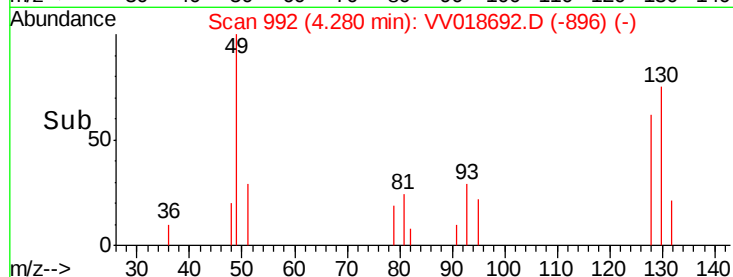


Abundance Ion 128.00 (127.70 to 128.70): V

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: 3.042 ug/L

RT: 4.40 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VV018692.D

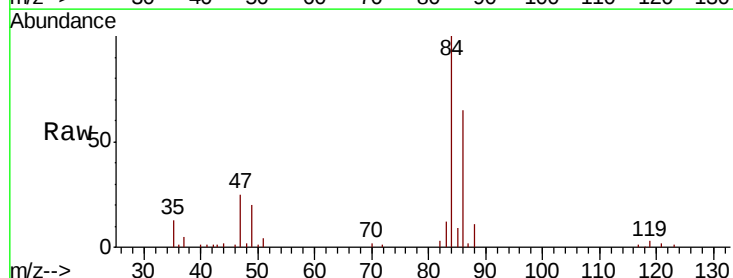
Acq: 06 Oct 2020 14:33

Tgt Ion: 83 Resp: 9117

Ion Ratio Lower Upper

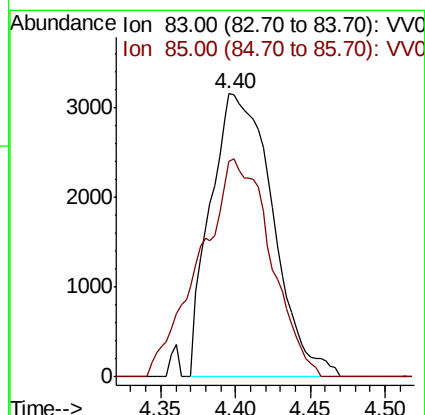
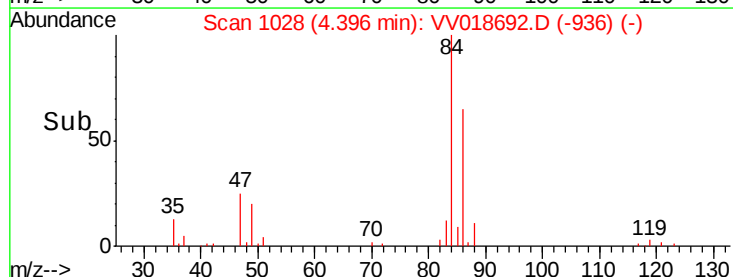
83 100

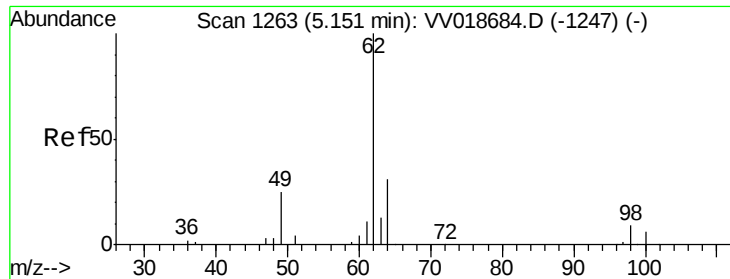
85 75.9 45.2 84.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

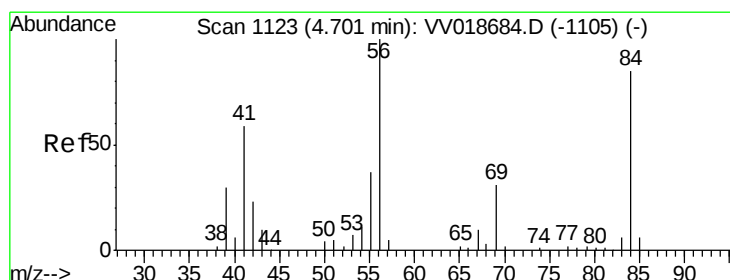
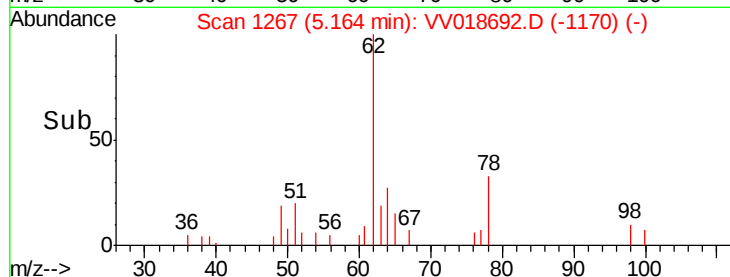
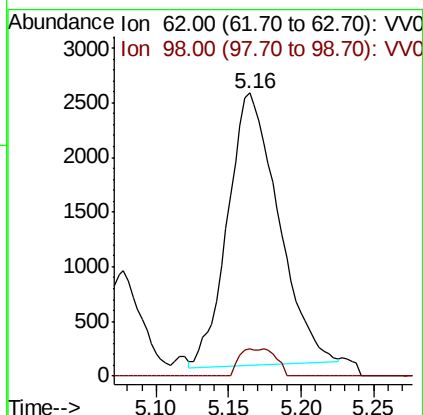
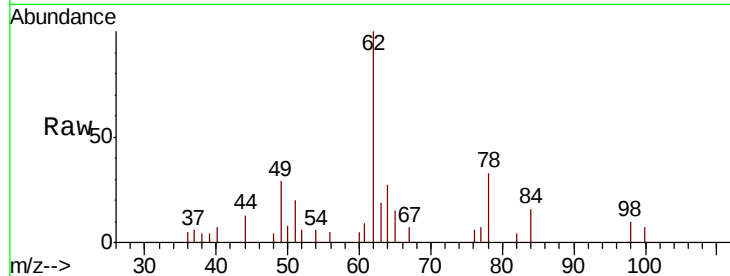




#27
 1,2-Dichloroethane
 Concen: 2.609 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

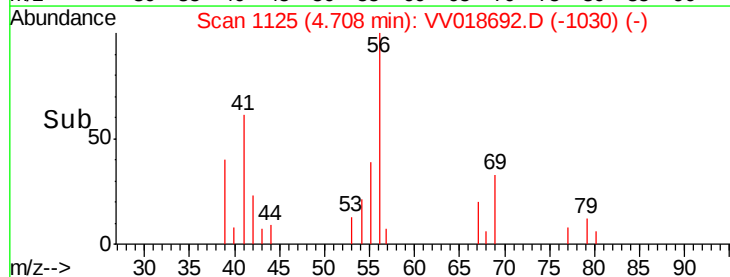
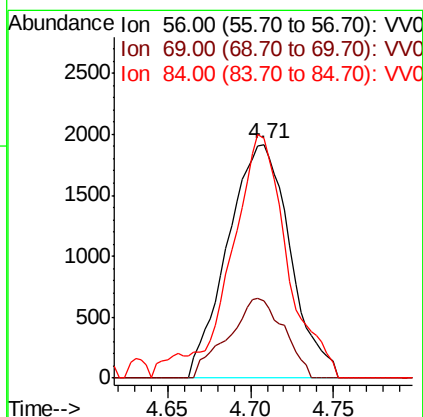
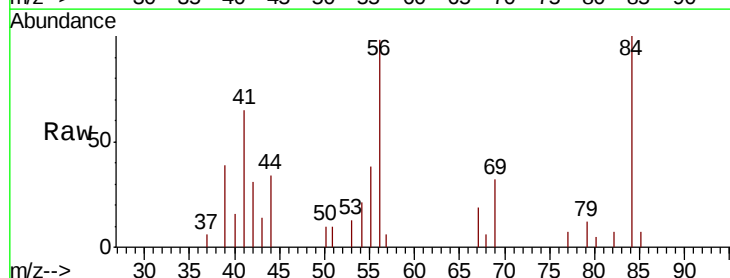
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

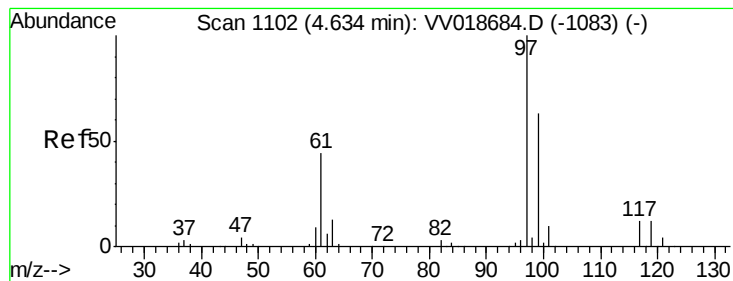
Tot Ion: 62 Resp: 6057
 Ion Ratio Lower Upper
 62 100
 98 9.6 7.4 11.2



#29
 Cyclohexane
 Concen: 2.010 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion: 56 Resp: 5012
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.4 36.6
 84 89.0 68.6 102.8





#30

1,1,1-Trichloroethane

Concen: 2.518 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

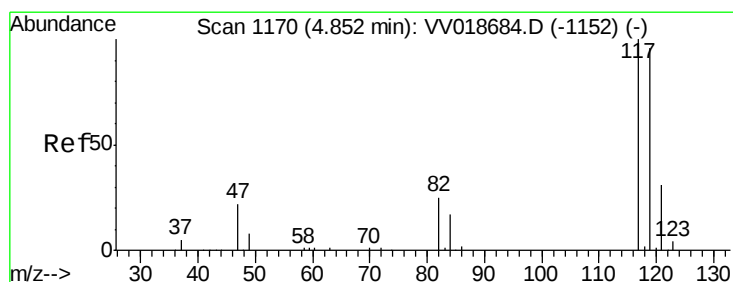
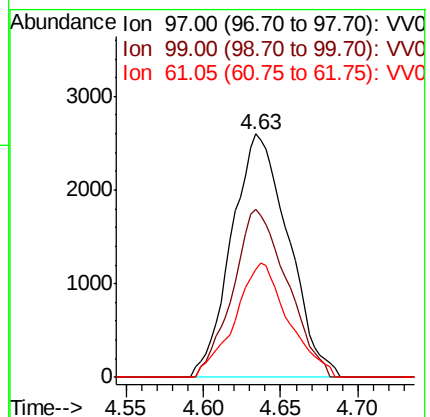
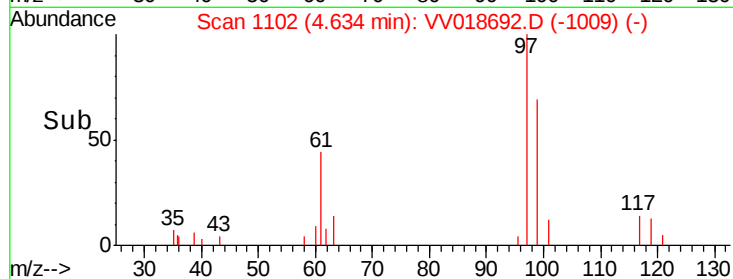
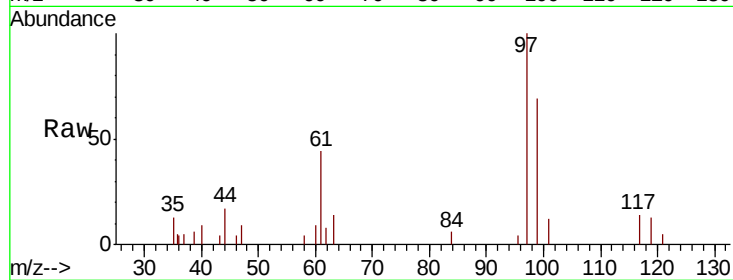
Tot Ion: 97 Resp: 6633

Ion Ratio Lower Upper

97 100

99 66.1 50.7 76.1

61 44.2 35.0 52.6



#31

Carbon tetrachloride

Concen: 2.363 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018692.D

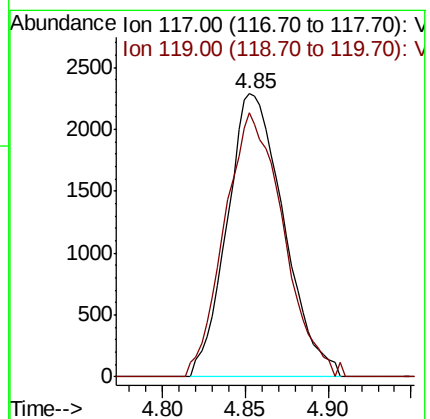
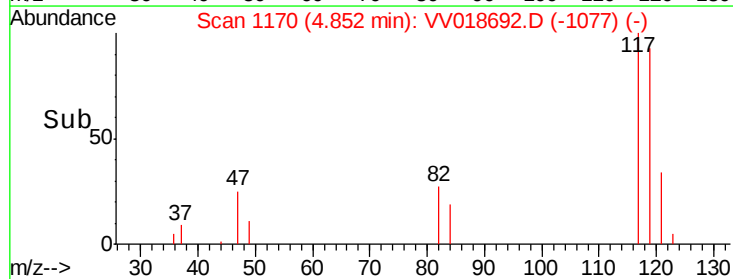
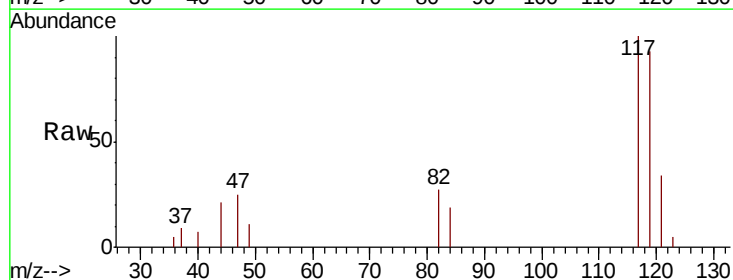
Acq: 06 Oct 2020 14:33

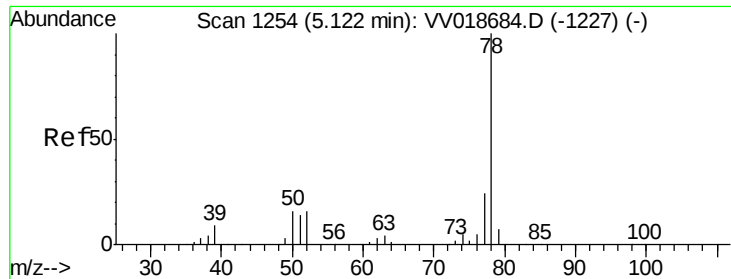
Tgt Ion: 117 Resp: 5428

Ion Ratio Lower Upper

117 100

119 96.5 76.7 115.1





#33

Benzene

Concen: 2.202 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

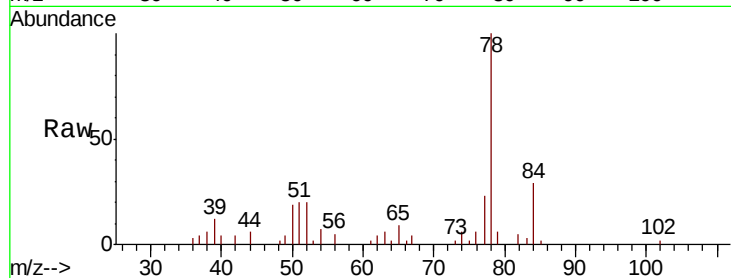
Instrument :

MSVOA_V

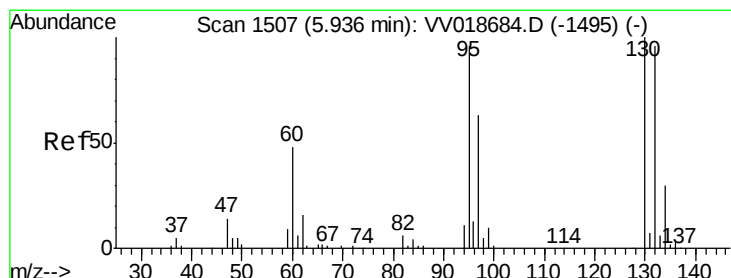
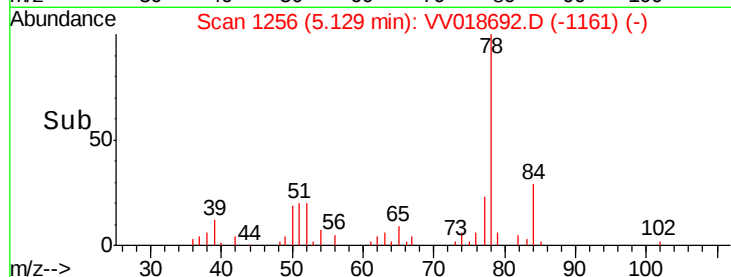
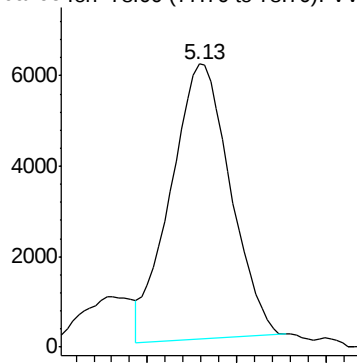
ClientSampled :

MDL02

Tgt Ion: 78 Resp: 14128



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 3.049 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Tgt Ion: 95 Resp: 5378

Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.7	83.1
132	101.5	67.8	126.0
130	93.7	71.5	132.7

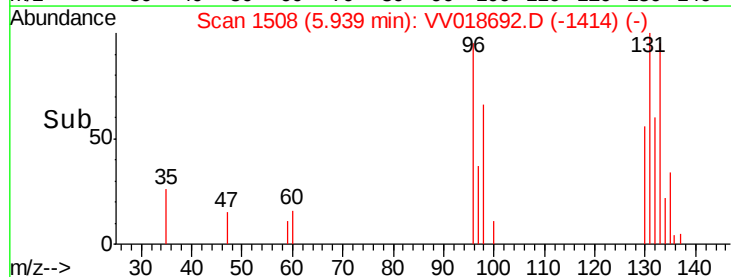
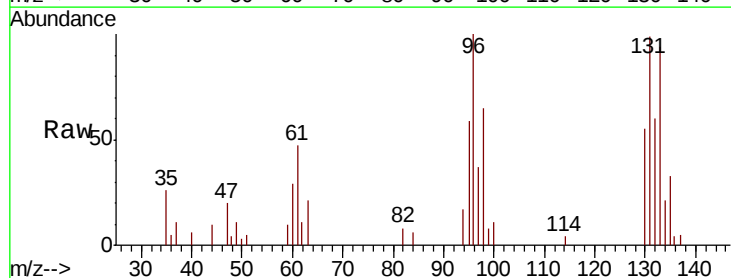
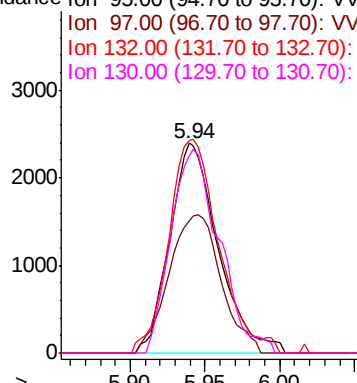
Ion 95.00 (94.70 to 95.70): VV0

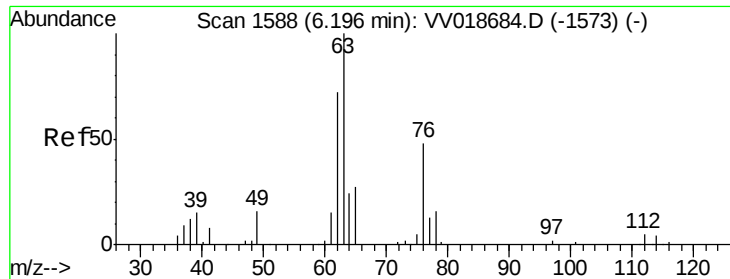
Ion 97.00 (96.70 to 97.70): VV0

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

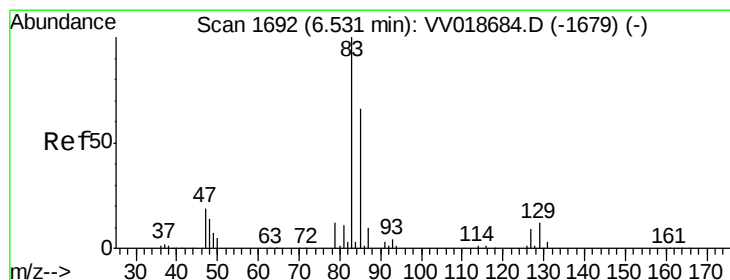
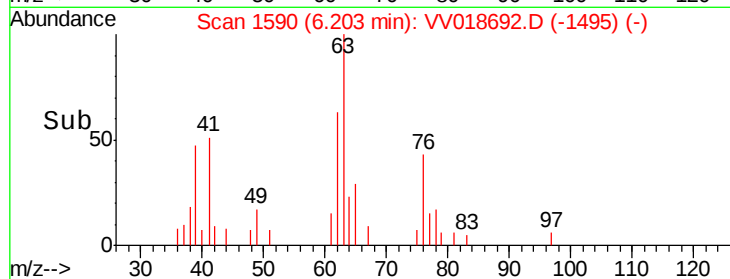
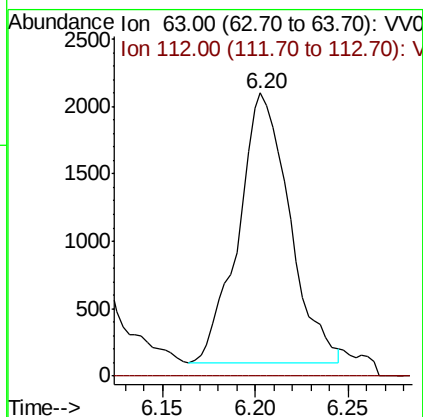
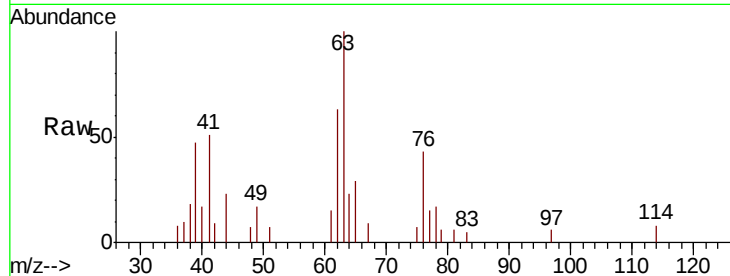




#37
 1,2-Dichloropropane
 Concen: 2.244 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

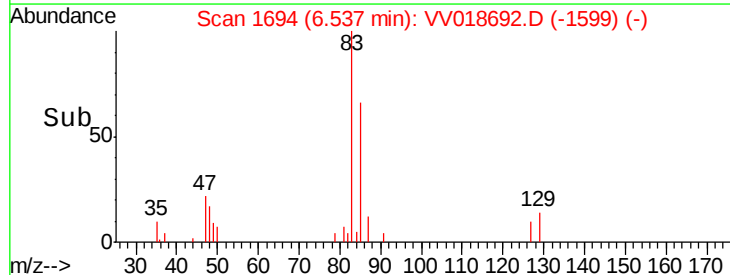
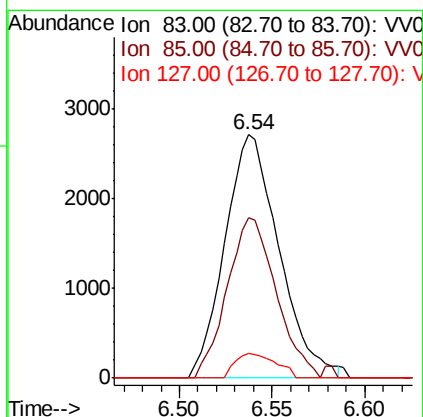
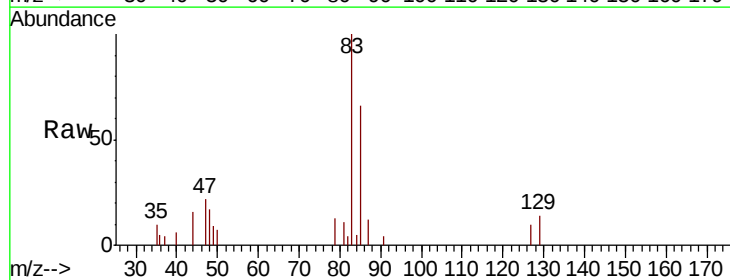
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

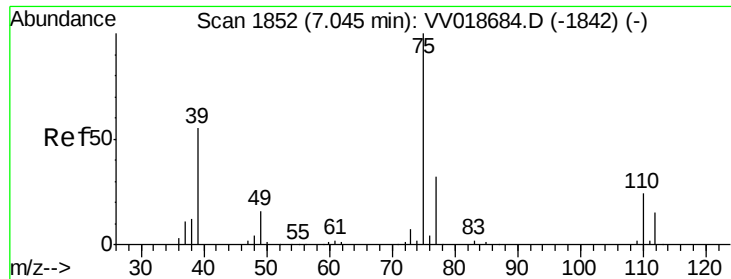
Tot Ion: 63 Resp: 3806
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 2.484 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion: 83 Resp: 5515
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.1 83.9
 127 9.9 6.8 10.2

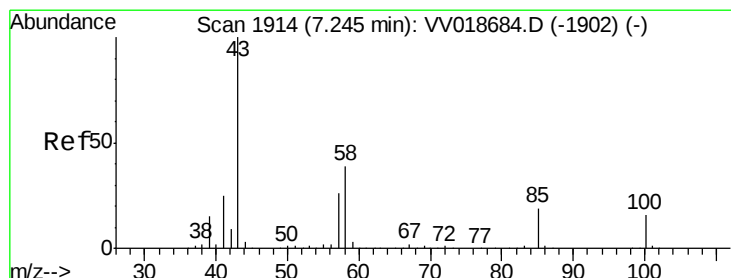
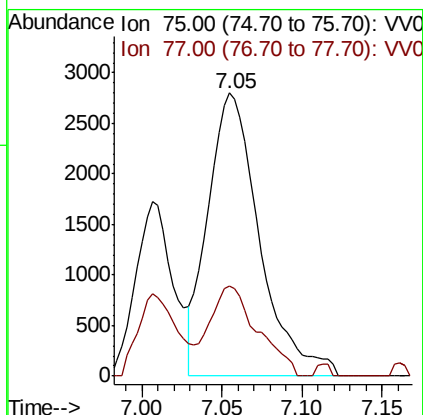
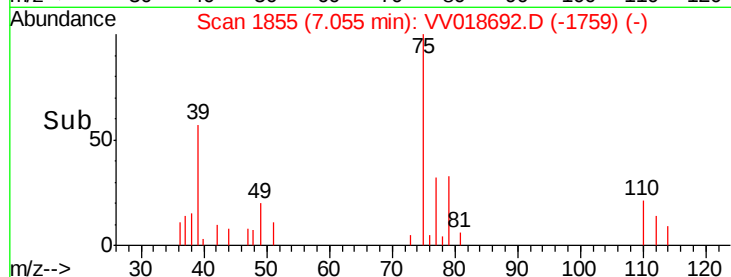
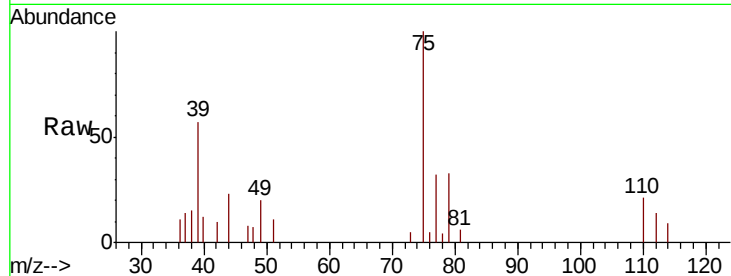




#39
 cis-1,3-Dichloropropene
 Concen: 2.450 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

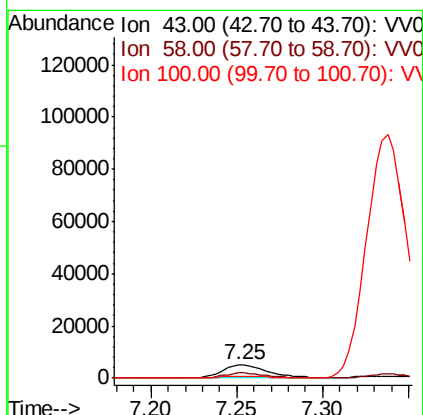
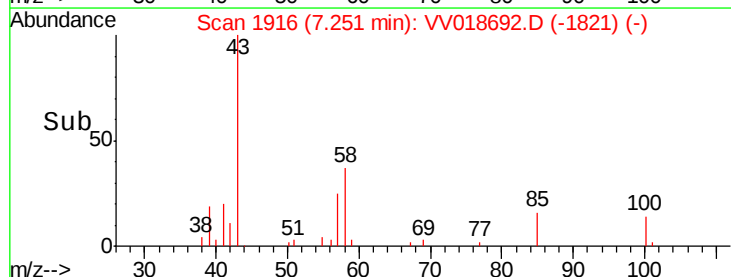
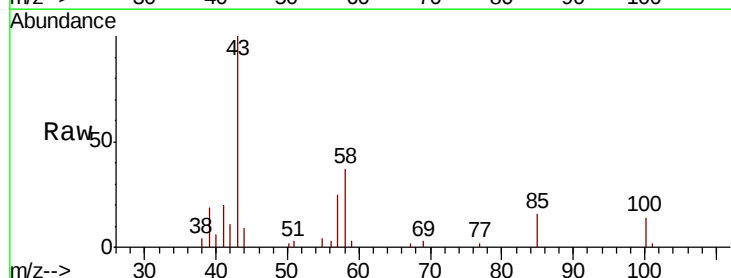
Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

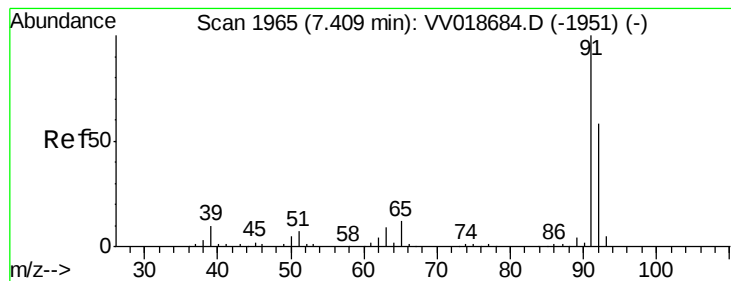
Tot Ion: 75 Resp: 6236
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 4.795 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion: 43 Resp: 9654
 Ion Ratio Lower Upper
 43 100
 58 36.1 32.4 48.6
 100 9.8 13.0 19.4#





#42

Toluene

Concen: 2.357 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

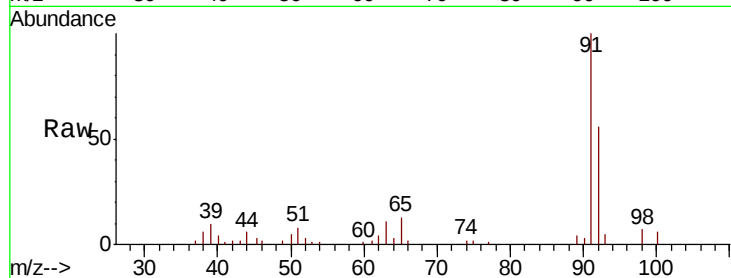
MDL02

Tot Ion: 91 Resp: 15866

Ion Ratio Lower Upper

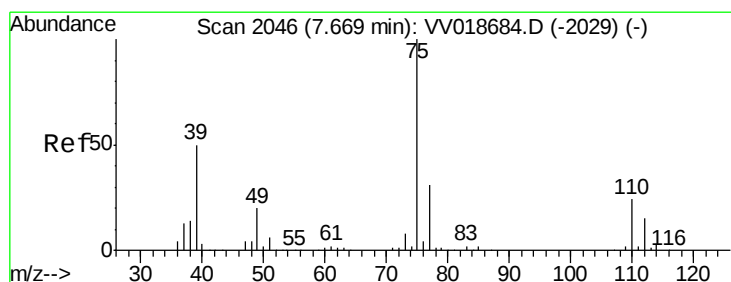
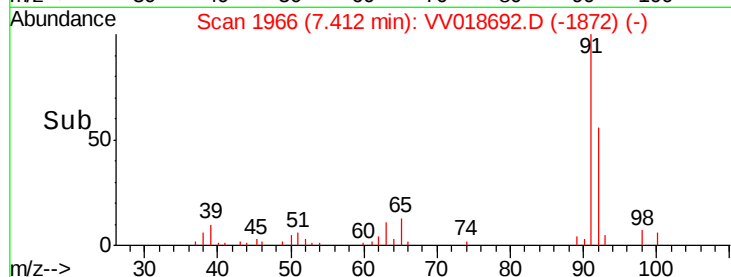
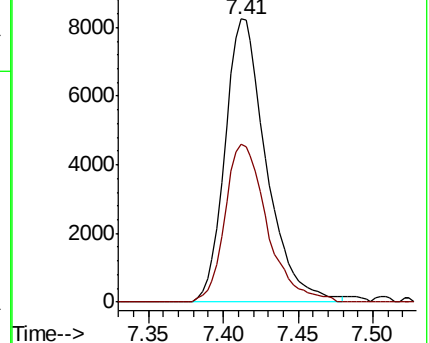
91 100

92 55.8 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.990 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV018692.D

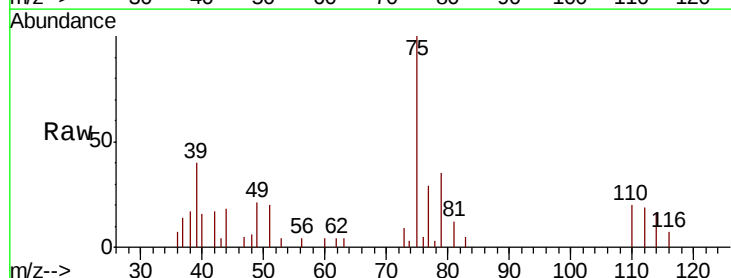
Acq: 06 Oct 2020 14:33

Tgt Ion: 75 Resp: 5020

Ion Ratio Lower Upper

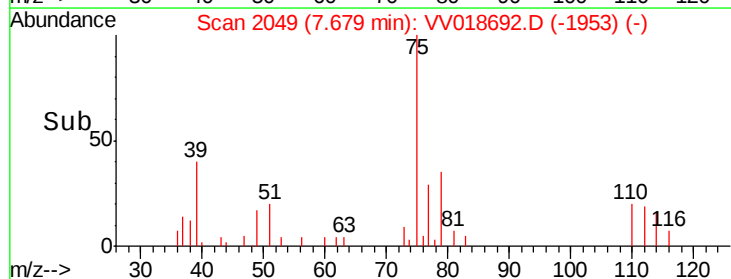
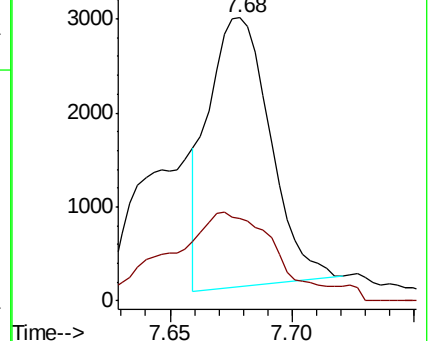
75 100

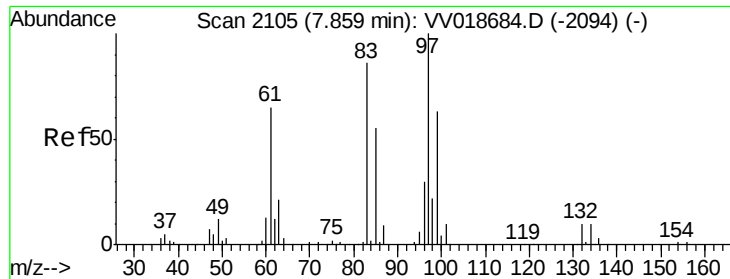
77 29.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

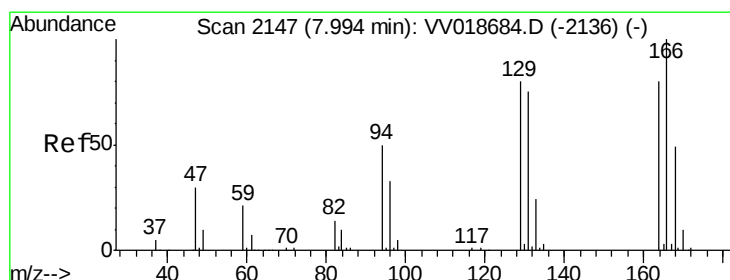
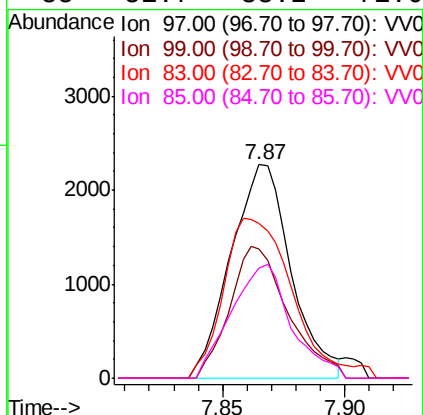
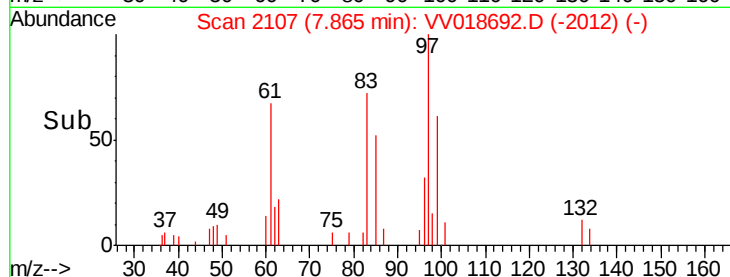
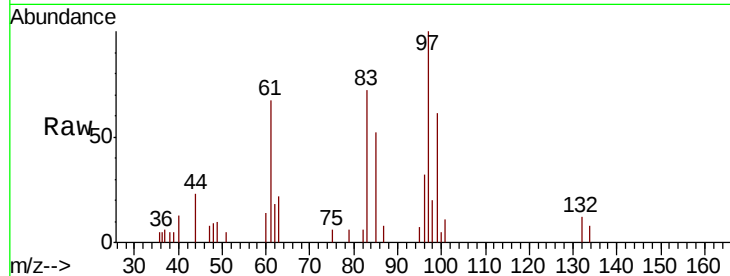




#45
 1,1,2-Trichloroethane
 Concen: 2.433 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

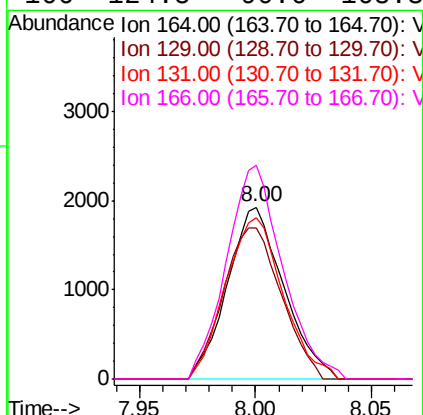
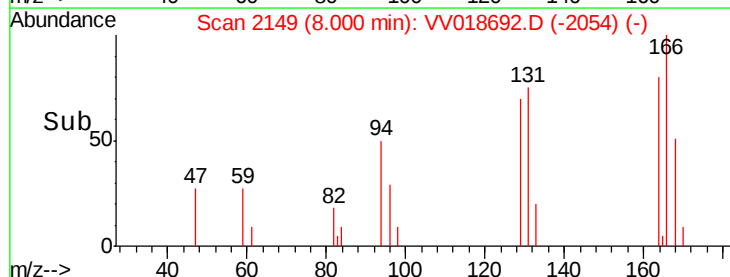
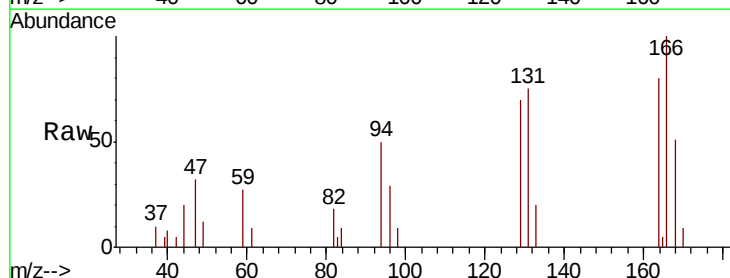
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

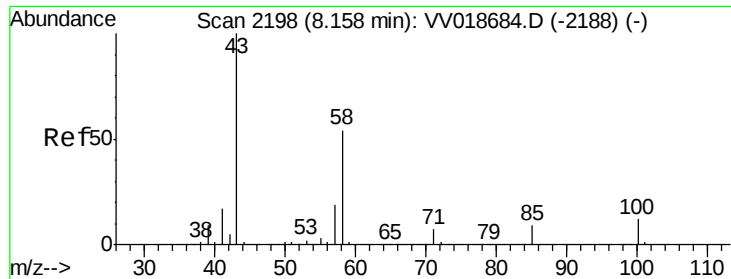
Tot Ion:	97	Resp:	3886
Ion	Ratio	Lower	Upper
97	100		
99	60.7	44.6	82.8
83	72.4	60.5	112.5
85	51.7	38.2	71.0



#46
 Tetrachloroethene
 Concen: 2.353 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion:	164	Resp:	3249
Ion	Ratio	Lower	Upper
164	100		
129	87.7	63.7	118.3
131	94.0	60.6	112.6
166	124.5	90.6	168.3

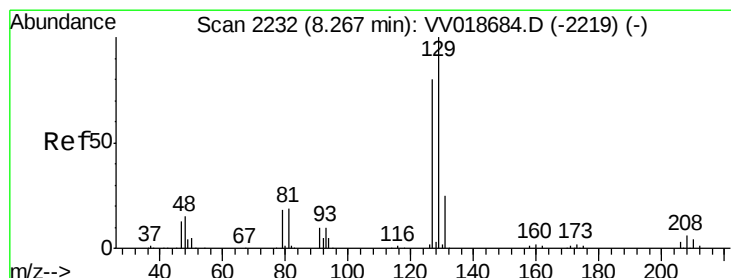
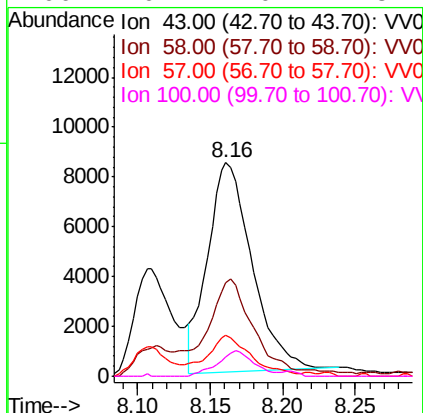
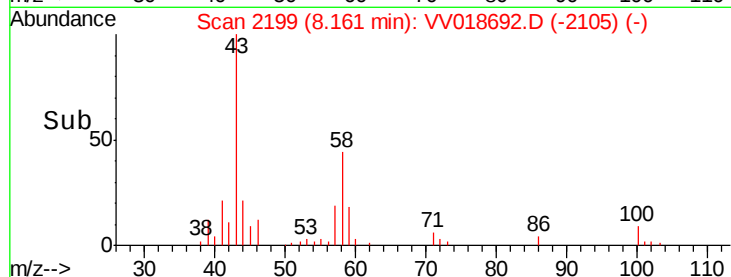
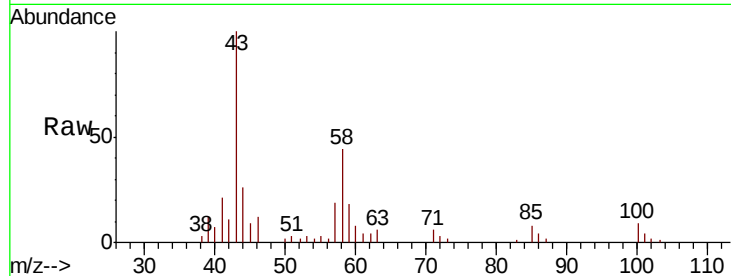




#48
2-Hexanone
Concen: 10.465 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

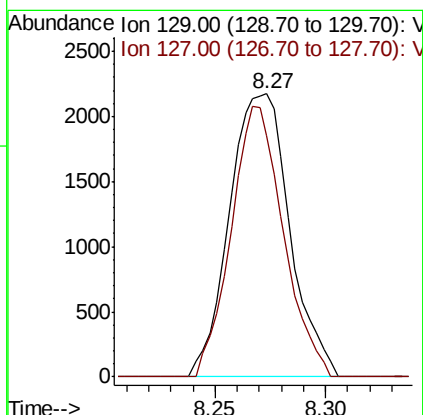
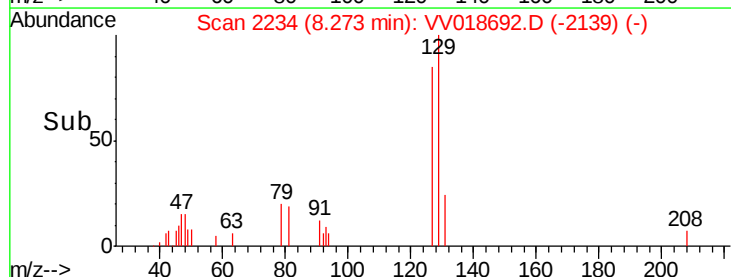
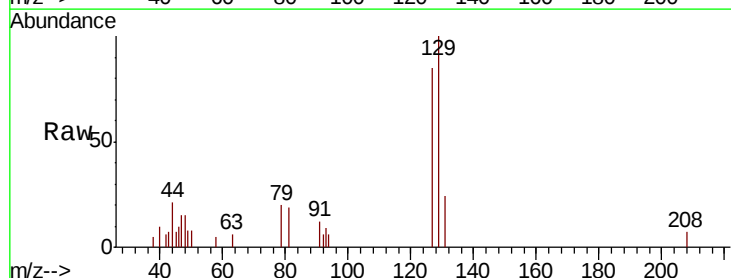
Instrument :
MSVOA_V
ClientSampleId :
MDL02

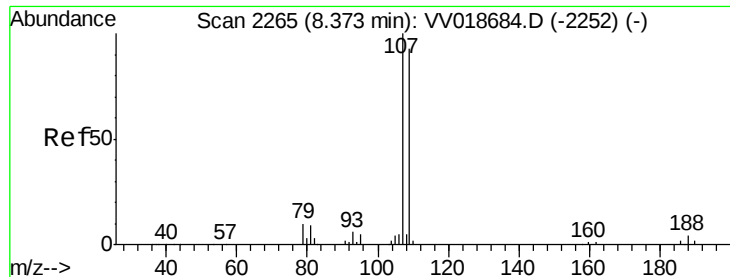
Tot Ion: 43 Resp: 17855
Ion Ratio Lower Upper
43 100
58 40.1 45.4 68.0#
57 17.8 16.0 24.0
100 10.1 10.1 15.1



#49
Dibromochloromethane
Concen: 2.319 ug/L
RT: 8.27 min Scan# 2234
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion: 129 Resp: 4124
Ion Ratio Lower Upper
129 100
127 85.2 53.5 99.5





#50

1,2-Dibromoethane

Concen: 2.515 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

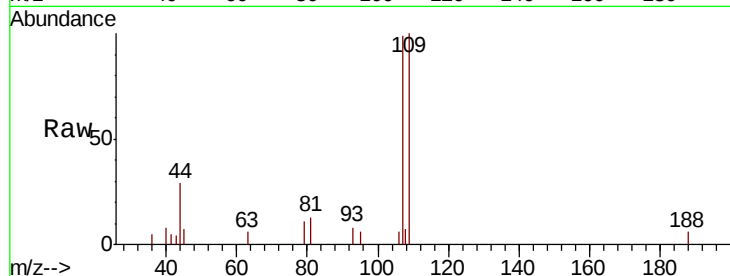
Tot Ion:107 Resp: 4183

Ion Ratio Lower Upper

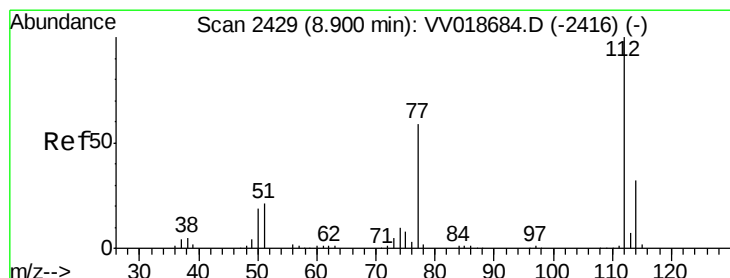
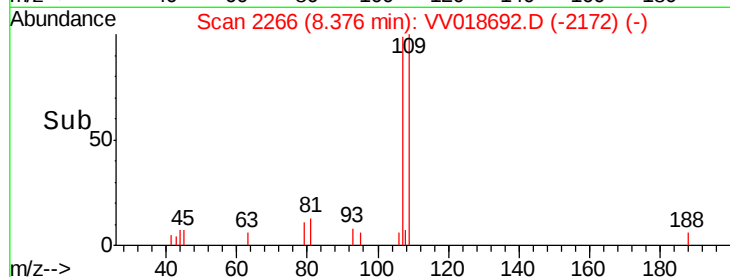
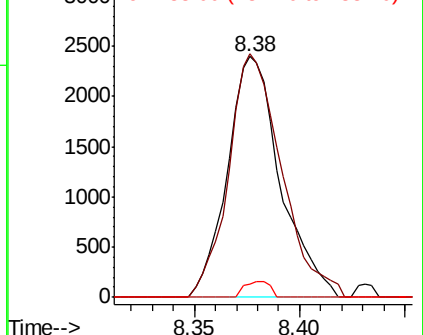
107 100

109 101.0 64.9 120.5

188 5.6 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: 2.472 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

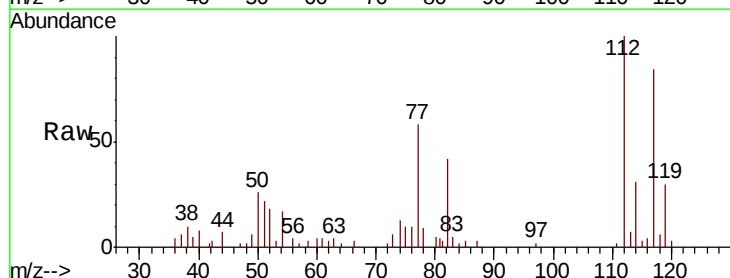
Tgt Ion:112 Resp: 11120

Ion Ratio Lower Upper

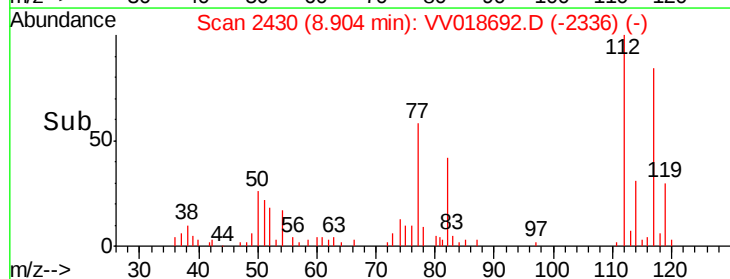
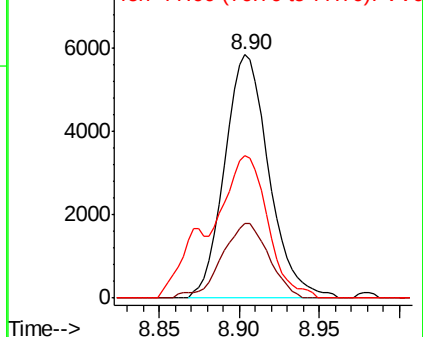
112 100

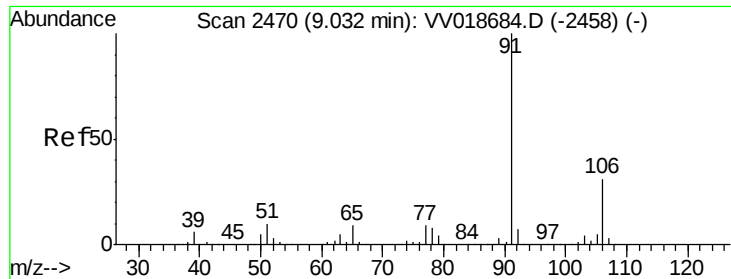
114 30.9 22.2 41.2

77 58.5 47.4 71.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

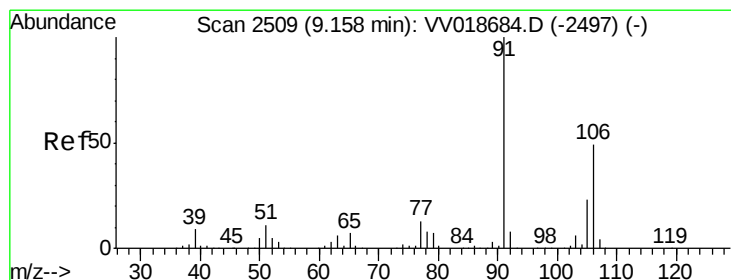
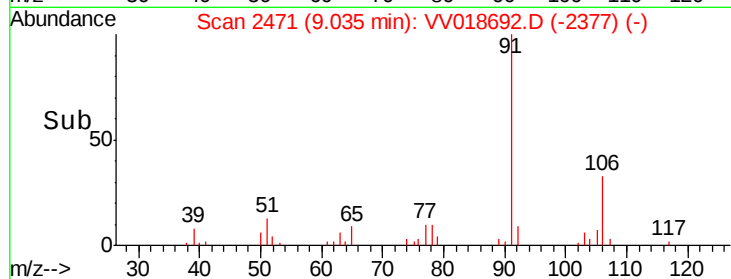
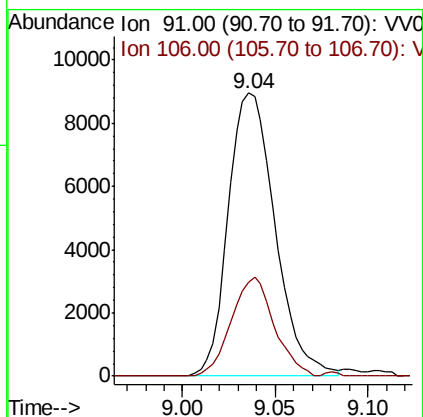
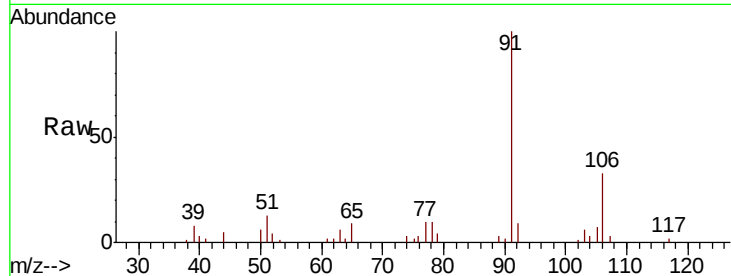




#52
Ethylbenzene
Concen: 2.122 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

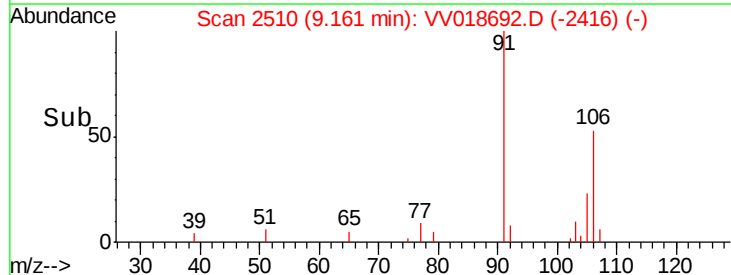
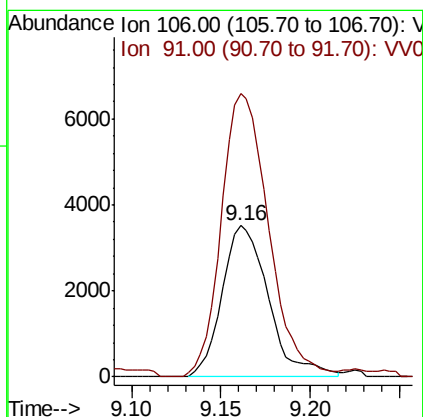
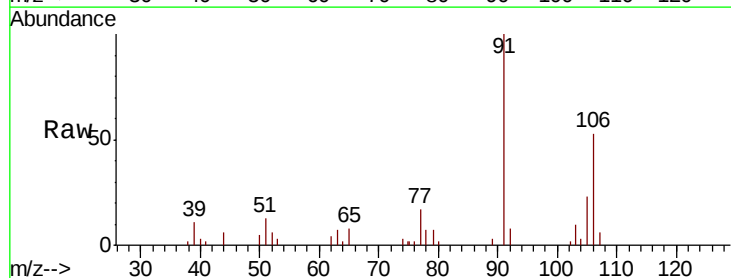
Instrument :
MSVOA_V
ClientSampled :
MDL02

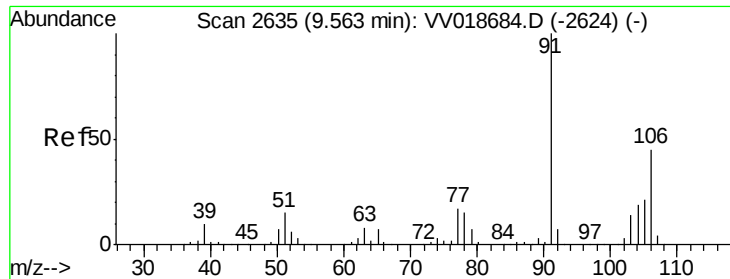
Tot Ion: 91 Resp: 15721
Ion Ratio Lower Upper
91 100
106 33.1 21.4 39.8



#53
m,p-Xylene
Concen: 2.297 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion: 106 Resp: 6353
Ion Ratio Lower Upper
106 100
91 187.4 143.4 266.4

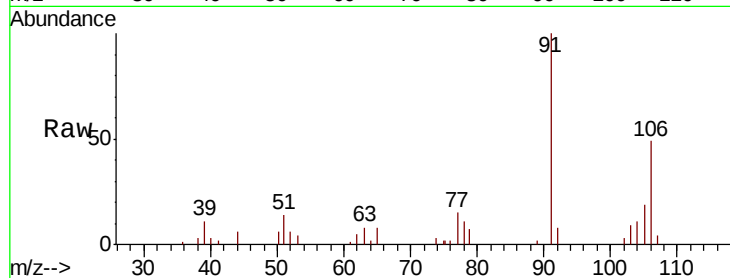




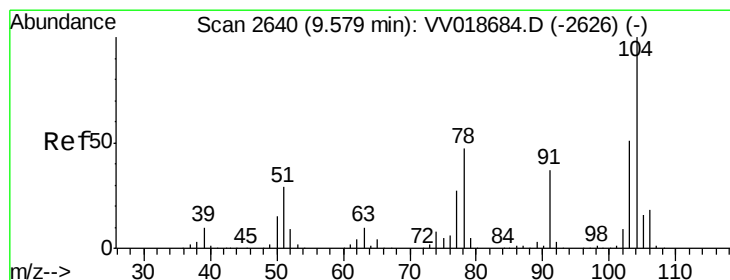
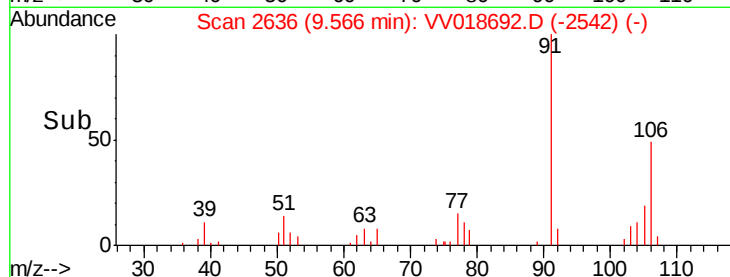
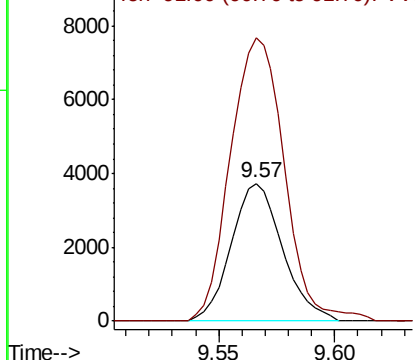
#54
o-Xylene
Concen: 2.158 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:106 Resp: 5751
Ion Ratio Lower Upper
106 100
91 205.1 154.7 287.3

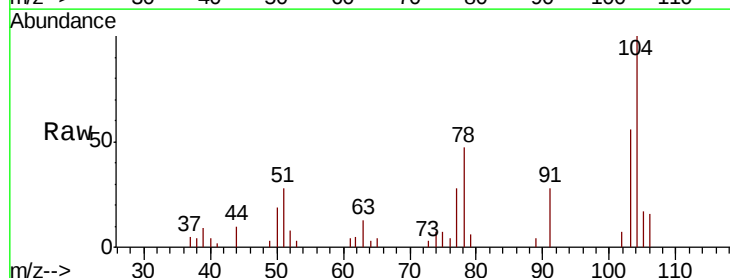


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

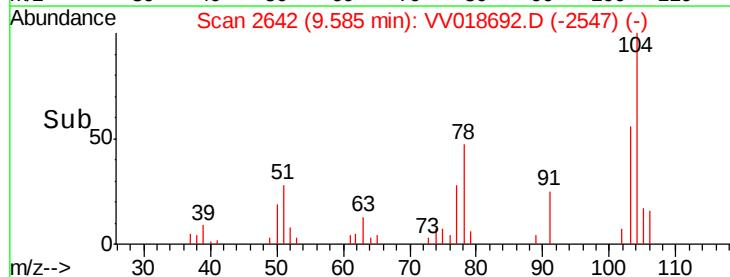
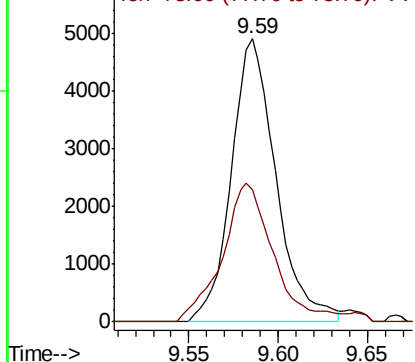


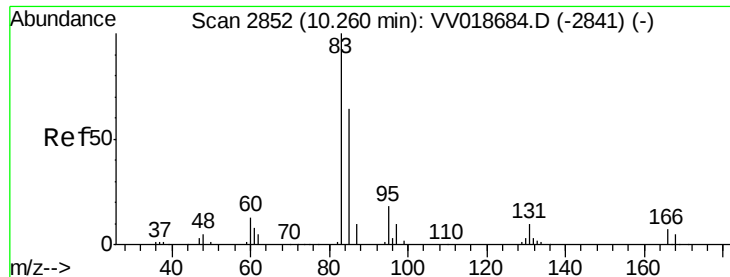
#55
Styrene
Concen: 1.836 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion:104 Resp: 8559
Ion Ratio Lower Upper
104 100
78 46.7 32.1 59.5



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





#57

1,1,2,2-Tetrachloroethane

Concen: 2.314 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

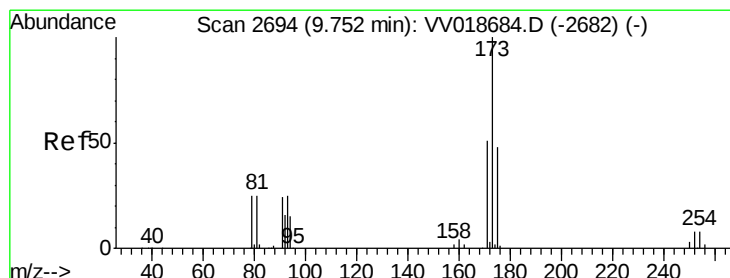
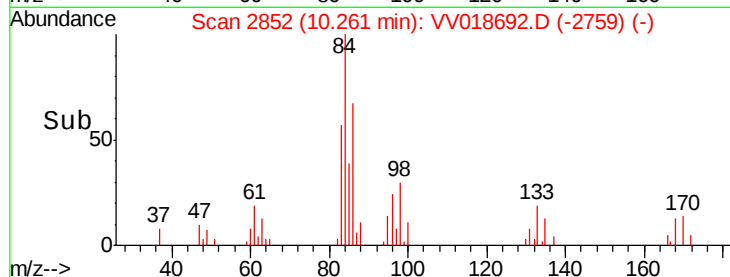
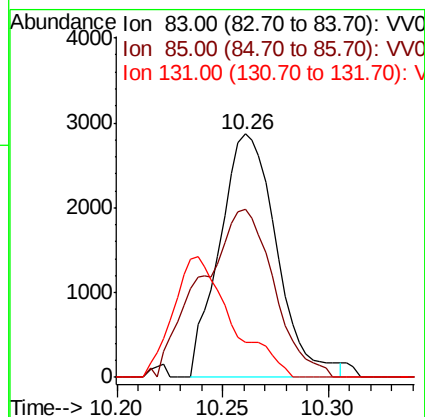
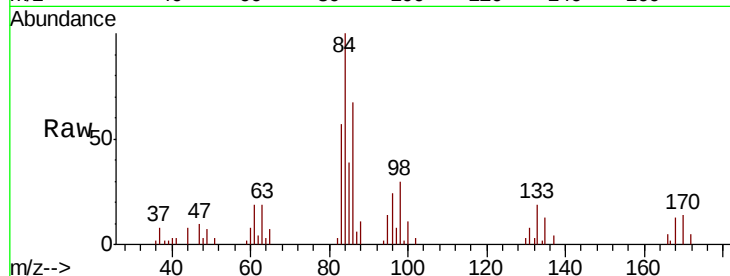
Tot Ion: 83 Resp: 5389

Ion Ratio Lower Upper

83 100

85 68.9 44.4 82.5

131 14.5 7.8 11.6#



#59

Bromoform

Concen: 2.327 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

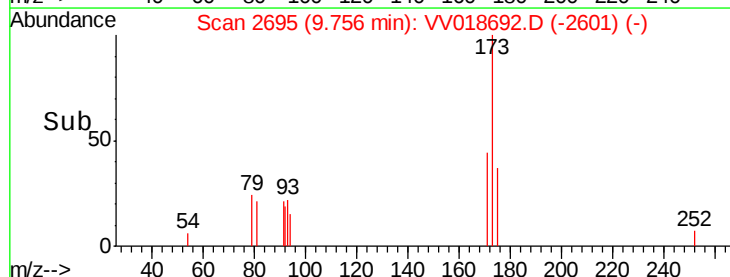
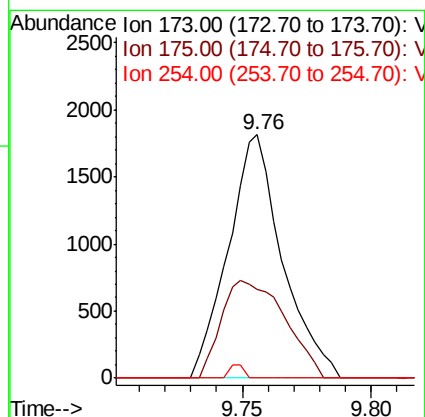
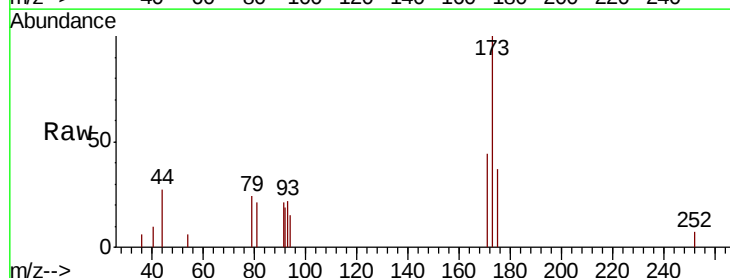
Tgt Ion: 173 Resp: 2653

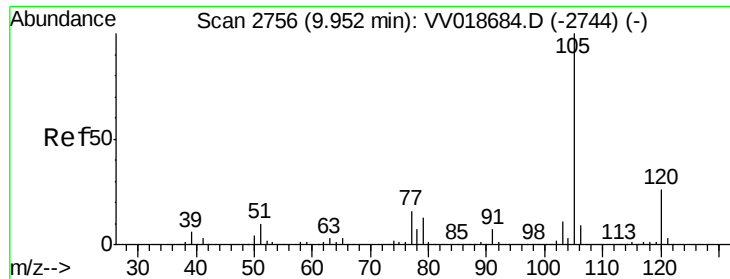
Ion Ratio Lower Upper

173 100

175 47.0 39.4 59.2

254 1.5 8.7 13.1#





#60

Isopropylbenzene

Concen: 2.286 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

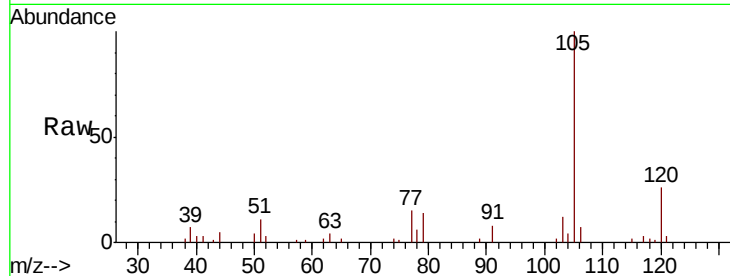
Tot Ion: 105 Resp: 14372

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

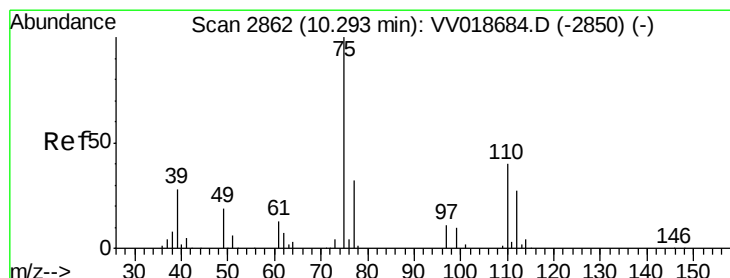
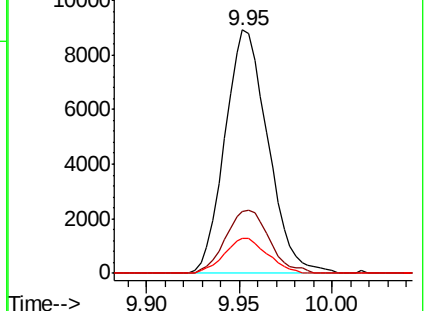
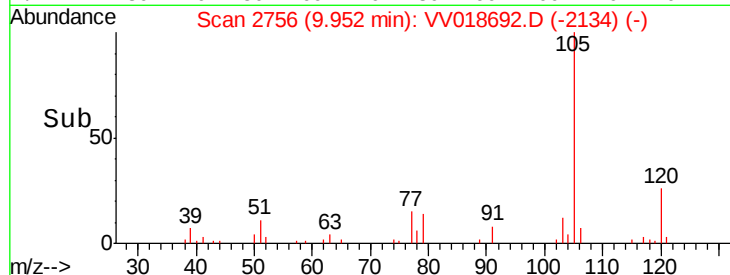
77 14.5 12.8 19.2



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: 2.982 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

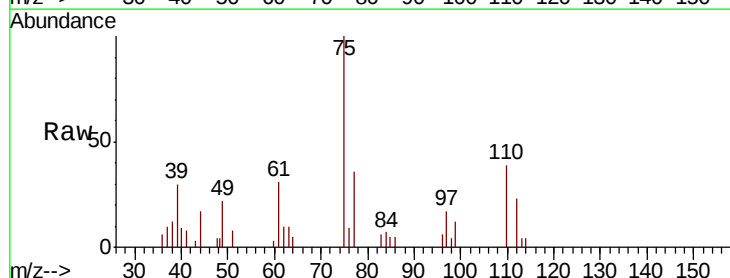
Tgt Ion: 75 Resp: 5279

Ion Ratio Lower Upper

75 100

77 35.8 25.8 38.8

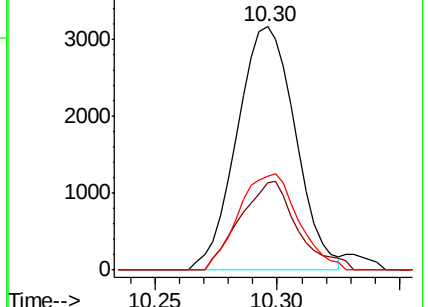
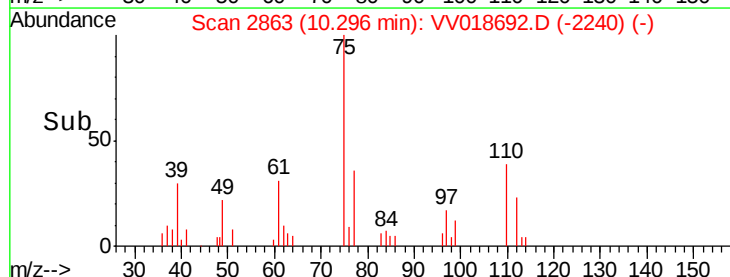
110 40.3 31.5 47.3

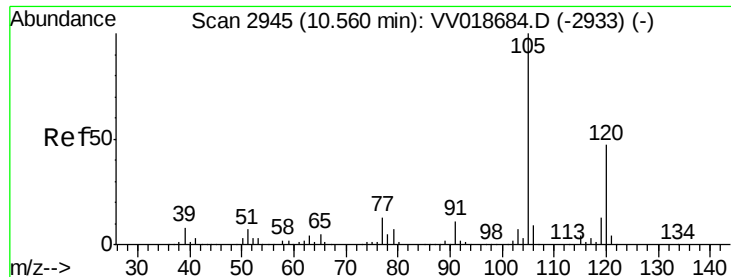


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 2.043 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampled :

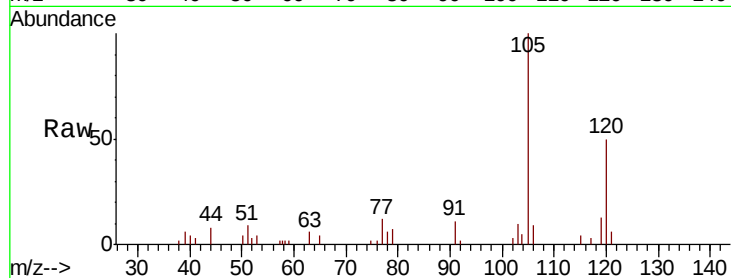
MDL02

Tot Ion:105 Resp: 10398

Ion Ratio Lower Upper

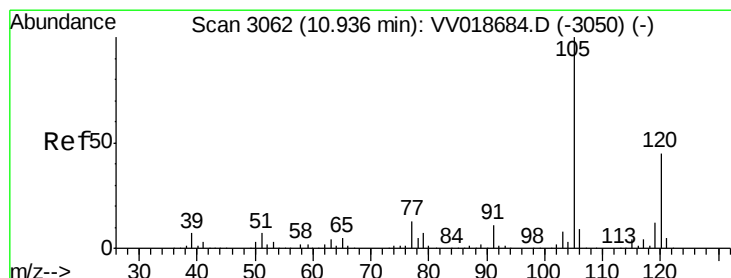
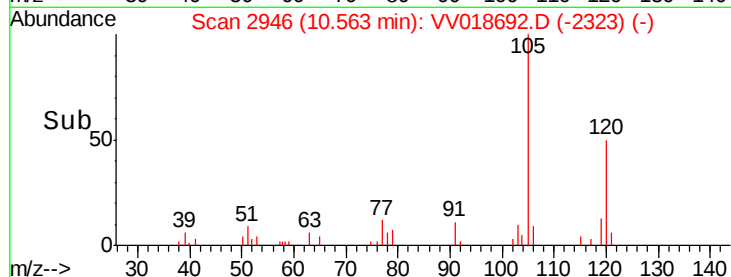
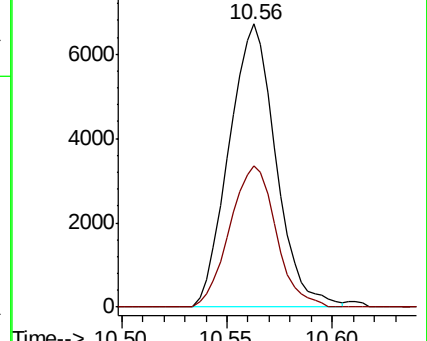
105 100

120 49.2 39.1 58.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 1.983 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VV018692.D

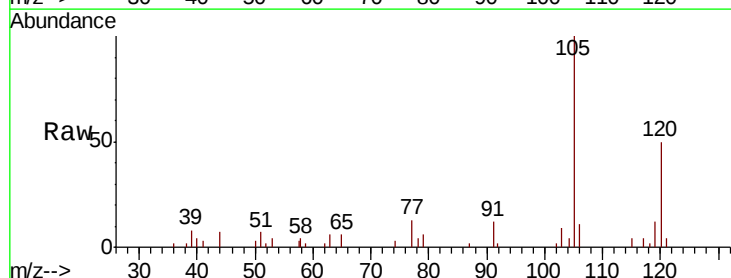
Acq: 06 Oct 2020 14:33

Tgt Ion:105 Resp: 10359

Ion Ratio Lower Upper

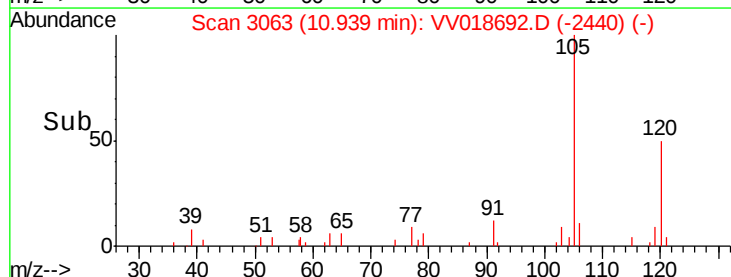
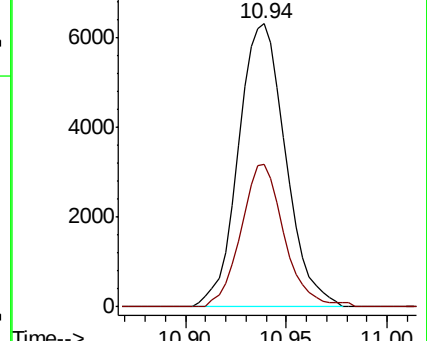
105 100

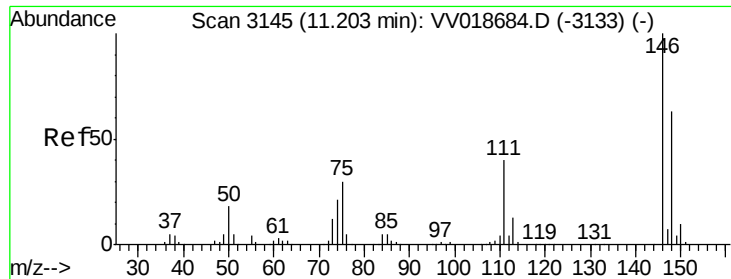
120 45.5 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

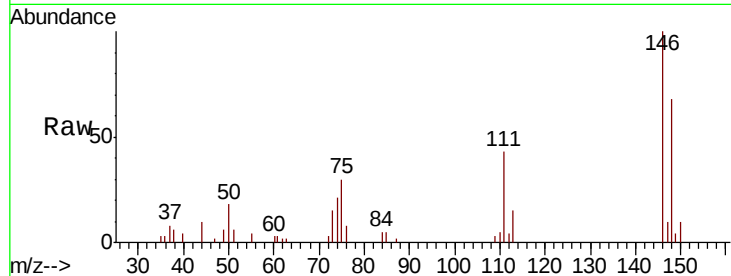




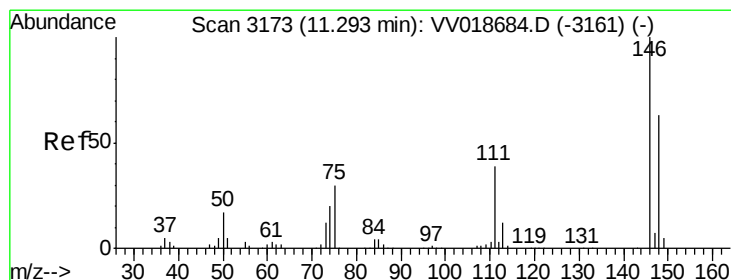
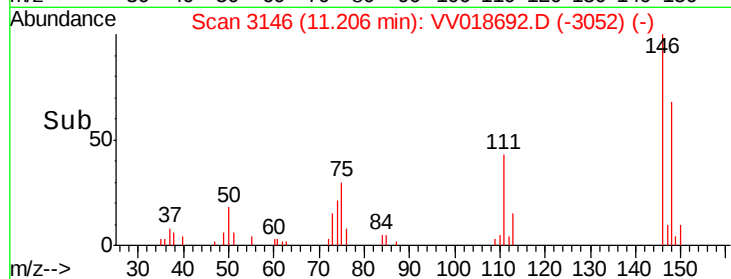
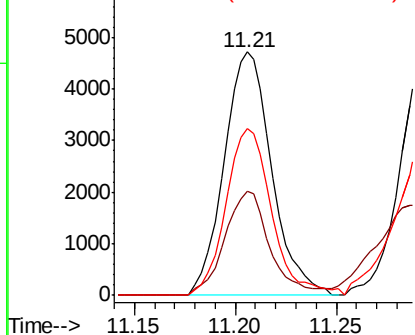
#64
 1,3-Dichlorobenzene
 Concen: 2.430 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampled :
 MDL02

Tot Ion:146 Resp: 7765
 Ion Ratio Lower Upper
 146 100
 111 42.9 27.6 51.4
 148 68.4 44.2 82.2

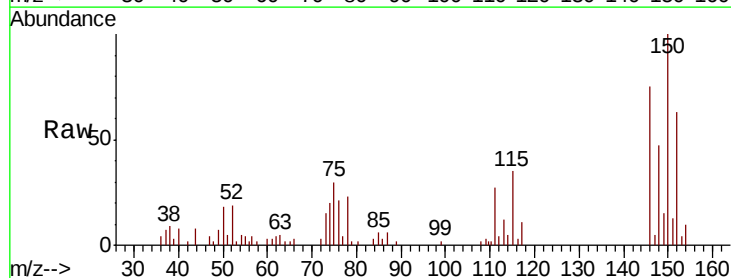


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

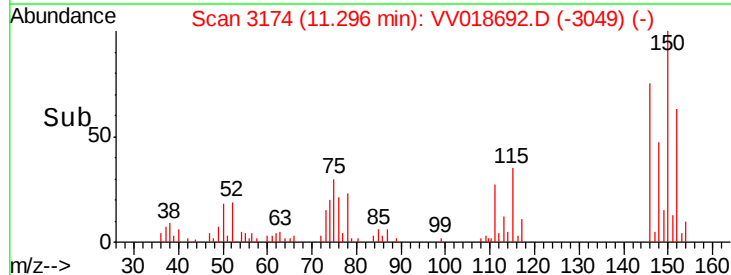
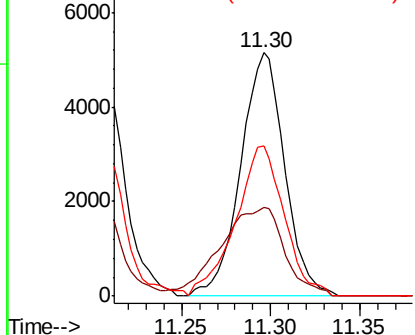


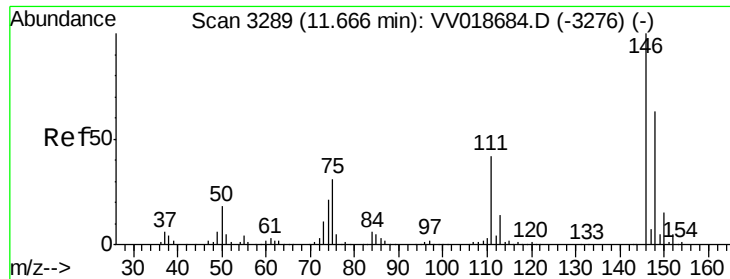
#65
 1,4-Dichlorobenzene
 Concen: 2.649 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion:146 Resp: 8872
 Ion Ratio Lower Upper
 146 100
 111 36.4 26.6 49.4
 148 61.9 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: 2.839 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL02

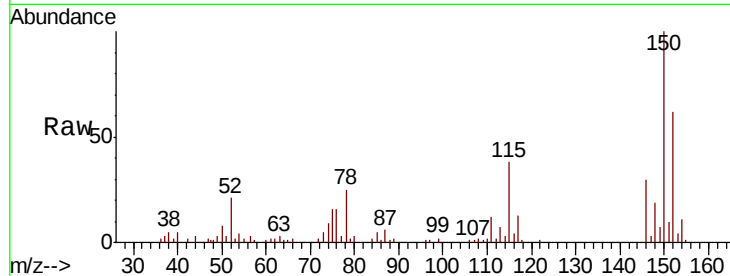
Tot Ion:146 Resp: 9120

Ion Ratio Lower Upper

146 100

111 39.8 32.6 49.0

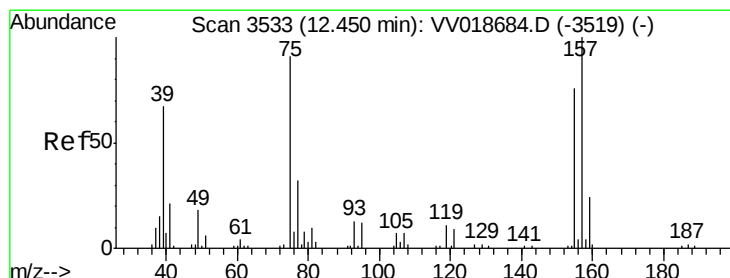
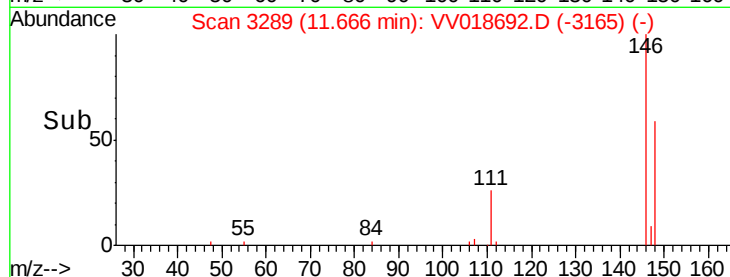
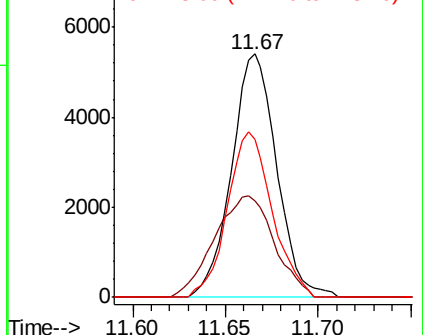
148 65.1 51.0 76.6



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: 2.518 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV018692.D

Acq: 06 Oct 2020 14:33

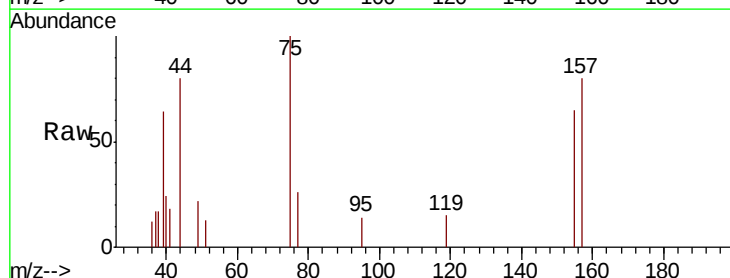
Tgt Ion: 75 Resp: 1126

Ion Ratio Lower Upper

75 100

155 65.0 67.6 101.4#

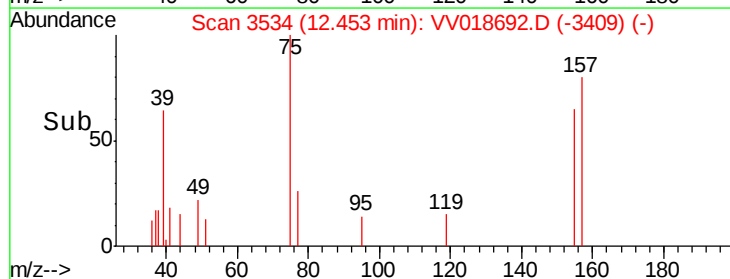
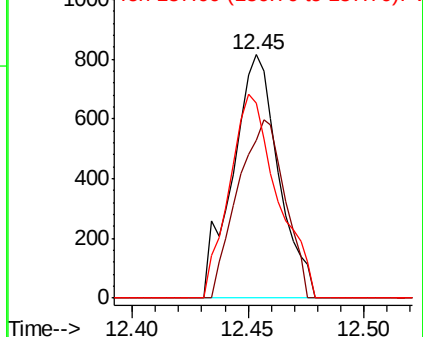
157 80.1 88.7 133.1#

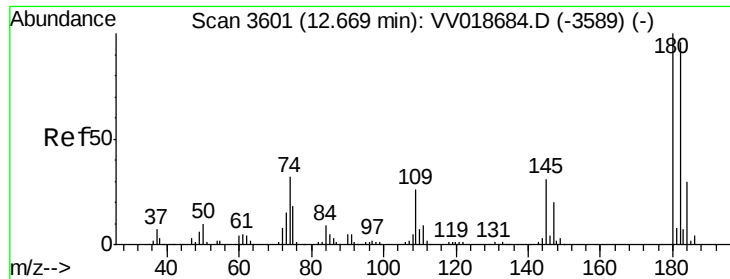


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

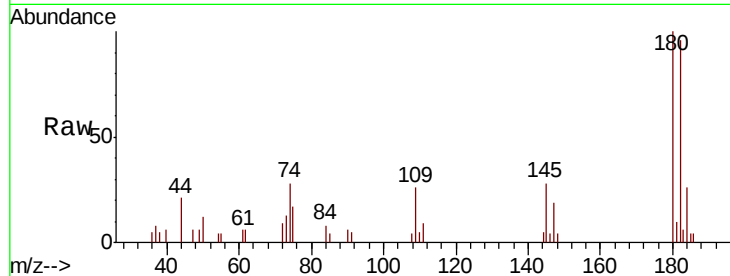




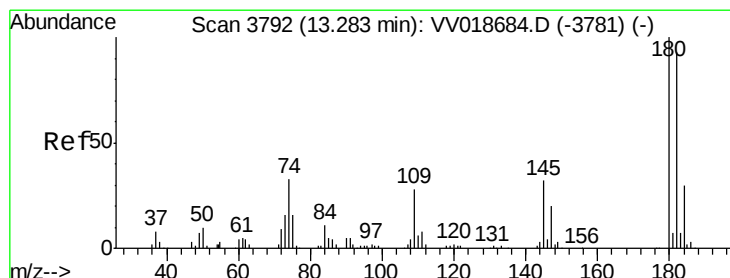
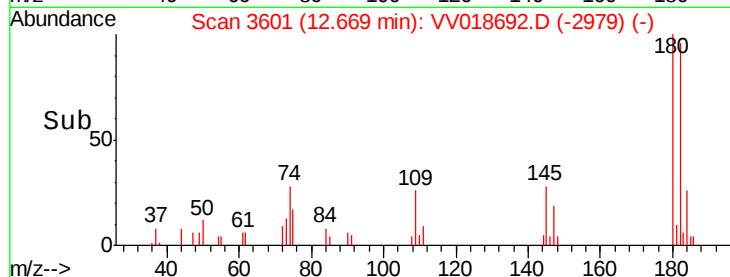
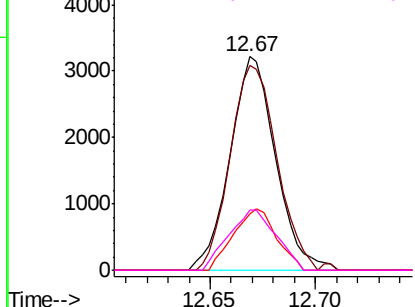
#69
 1,3,5-Trichlorobenzene
 Concen: 1.942 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL02

Tot Ion:180 Resp: 4838
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.6 115.0
 184 26.9 24.8 37.2
 145 29.2 23.0 34.4

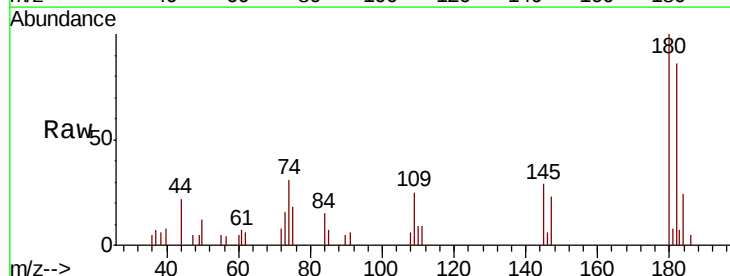


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

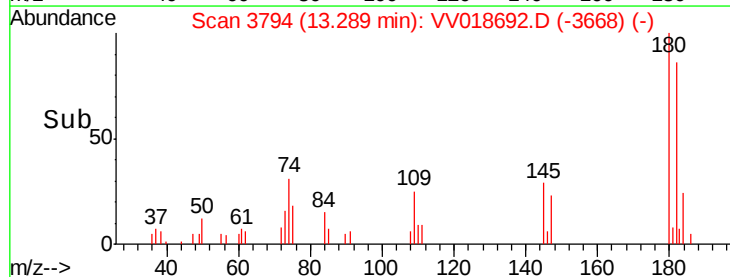
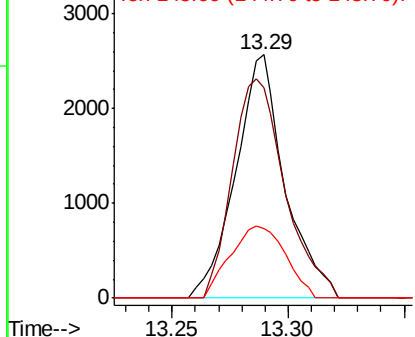


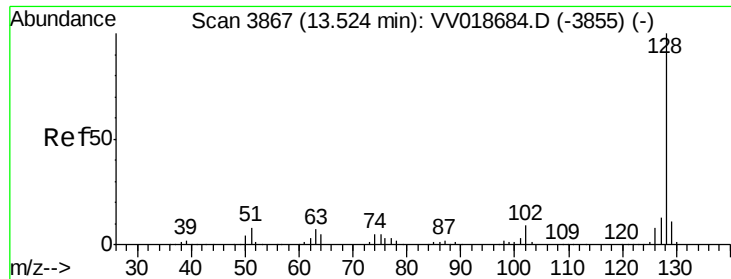
#70
 1,2,4-trichlorobenzene
 Concen: 1.695 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV018692.D
 Acq: 06 Oct 2020 14:33

Tgt Ion:180 Resp: 3783
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.8 113.6
 145 33.1 23.0 34.4



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

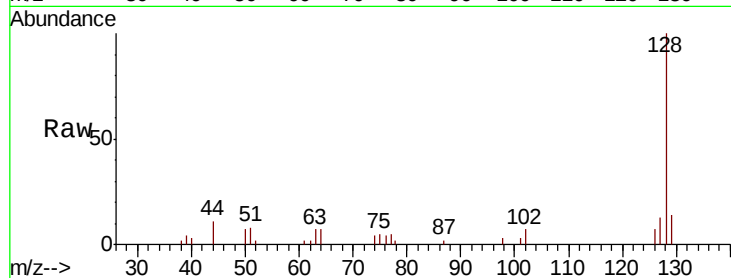




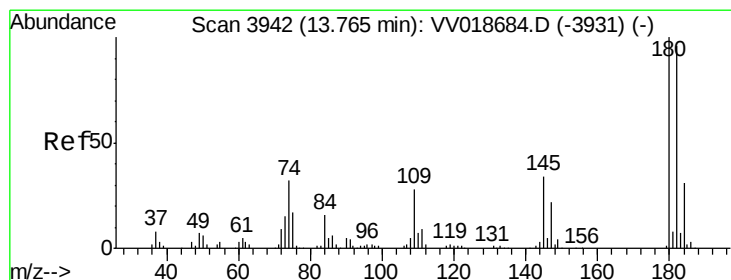
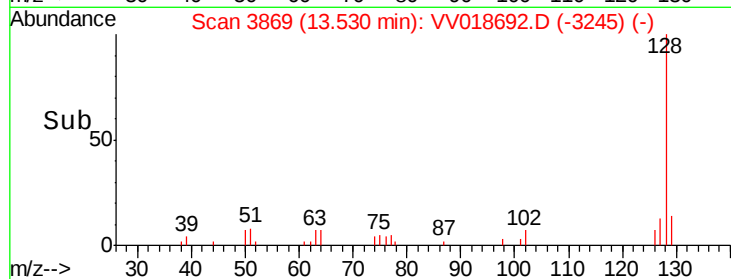
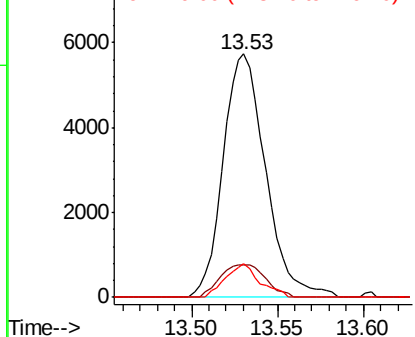
#71
Naphthalene
Concen: 1.703 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Tot Ion:128 Resp: 9863
Ion Ratio Lower Upper
128 100
127 14.3 10.4 15.6
129 11.1 8.7 13.1

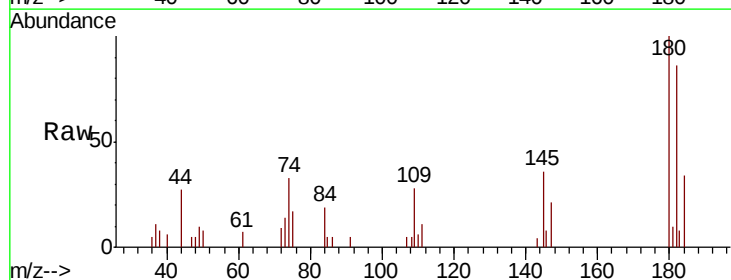


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.795 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018692.D
Acq: 06 Oct 2020 14:33

Tgt Ion:180 Resp: 4027
Ion Ratio Lower Upper
180 100
182 85.0 77.1 115.7
145 33.1 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

