

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018690.D
 Acq On : 06 Oct 2020 13:45
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Oct 07 05:43:00 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	227676	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	246197	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	108138	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79359	56.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	112.36%
7) Chloroethane-d5	1.58	69	67875	55.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.64%
11) 1,1-Dichloroethene-d2	2.12	63	125558	42.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.78%
21) 2-Butanone-d5	3.91	46	92833	91.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.67%
24) Chloroform-d	4.38	84	144708	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.06	65	101857	54.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.58%
32) Benzene-d6	5.08	84	283254	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.36%
36) 1,2-Dichloropropane-d6	6.09	67	88999	44.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.04%
41) Toluene-d8	7.34	98	255378	45.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.64	79	43341	43.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.42%
47) 2-Hexanone-d5	8.11	63	46722	63.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	63.50%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	101919	39.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.40%
66) 1,2-Dichlorobenzene-d4	11.65	152	104669	51.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.98%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3720	2.214 ug/L	94
3) Chloromethane	1.25	50	4591	2.463 ug/L	97
5) Vinyl chloride	1.32	62	5484	2.875 ug/L #	70
6) Bromomethane	1.53	94	3569	2.945 ug/L	97
8) Chloroethane	1.60	64	3433	2.793 ug/L	99
9) Trichlorofluoromethane	1.77	101	7729	2.850 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5477	3.294 ug/L #	83
12) 1,1-Dichloroethene	2.14	96	4879	3.086 ug/L #	1
13) Acetone	2.20	43	5644	4.406 ug/L	89
14) Carbon disulfide	2.31	76	12958	2.887 ug/L	97
15) Methyl Acetate	2.46	43	4567	2.702 ug/L	98
16) Methylene chloride	2.52	84	6231	3.481 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	4648	2.904 ug/L	96
18) Methyl tert-butyl Ether	2.79	73	13074	2.628 ug/L	97
19) 1,1-Dichloroethane	3.21	63	7263	2.338 ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	4347	2.519 ug/L	91
23) Bromochloromethane	4.29	128	2248	2.433 ug/L	70

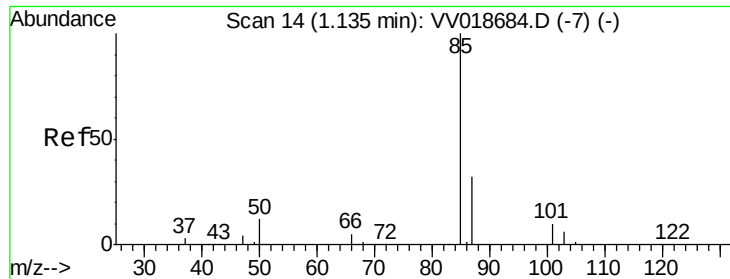
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	10139	3.228	ug/L	85
27) 1,2-Dichloroethane	5.16	62	6010	2.469	ug/L	99
29) Cyclohexane	4.70	56	5546	1.936	ug/L #	52
30) 1,1,1-Trichloroethane	4.64	97	6901	2.279	ug/L	95
31) Carbon tetrachloride	4.86	117	6099	2.310	ug/L	99
33) Benzene	5.13	78	15127	2.052	ug/L	100
34) Trichloroethene	5.94	95	5857	2.889	ug/L	99
35) Methylcyclohexane	6.15	83	5148	1.749	ug/L	96
37) 1,2-Dichloropropane	6.21	63	4297	2.204	ug/L #	95
38) Bromodichloromethane	6.54	83	5486	2.150	ug/L #	98
39) cis-1,3-Dichloropropene	7.06	75	5456	1.865	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	8664	3.744	ug/L	98
42) Toluene	7.41	91	16624	2.149	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	6676	2.302	ug/L	88
45) 1,1,2-Trichloroethane	7.86	97	3904	2.126	ug/L	95
46) Tetrachloroethene	8.00	164	3387	2.134	ug/L	97
48) 2-Hexanone	8.16	43	15924	8.120	ug/L	97
49) Dibromochloromethane	8.27	129	4070	1.991	ug/L	91
50) 1,2-Dibromoethane	8.38	107	4384	2.294	ug/L #	87
51) Chlorobenzene	8.90	112	12663	2.450	ug/L	98
52) Ethylbenzene	9.04	91	18930	2.224	ug/L	96
53) m,p-Xylene	9.16	106	6571	2.067	ug/L	95
54) o-Xylene	9.57	106	6706	2.190	ug/L	94
55) Styrene	9.59	104	10700	1.997	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	5840	2.182	ug/L #	96
59) Bromoform	9.75	173	2918	2.414	ug/L #	36
60) Isopropylbenzene	9.95	105	16234	2.436	ug/L	96
61) 1,2,3-Trichloropropane	10.30	75	5123	2.730	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	10596	1.964	ug/L	96
63) 1,2,4-Trimethylbenzene	10.94	105	10806	1.951	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	7998	2.361	ug/L	95
65) 1,4-Dichlorobenzene	11.30	146	9324	2.626	ug/L	96
67) 1,2-Dichlorobenzene	11.67	146	9136	2.682	ug/L #	93
68) 1,2-Dibromo-3-chloropropan	12.45	75	1004	2.118	ug/L	95
69) 1,3,5-Trichlorobenzene	12.67	180	5104	1.932	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	3984	1.683	ug/L	94
71) Naphthalene	13.53	128	9729	1.585	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	4118	1.731	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 2.214 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

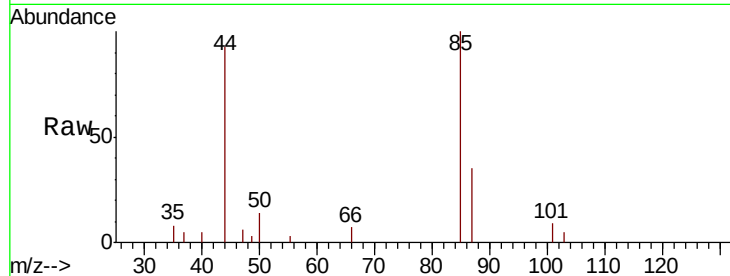
MDL04

Tot Ion: 85 Resp: 3720

Ion Ratio Lower Upper

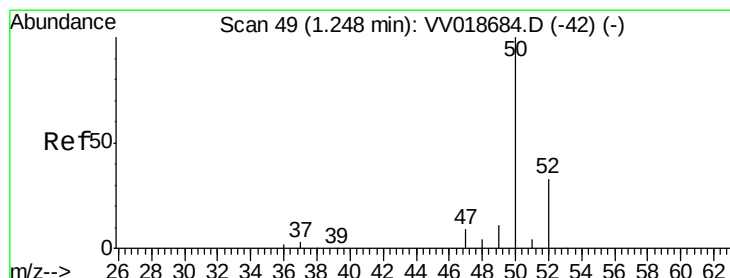
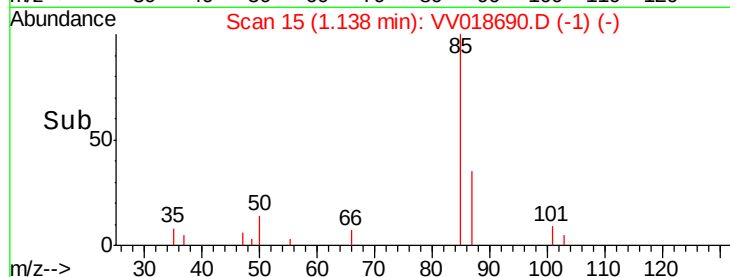
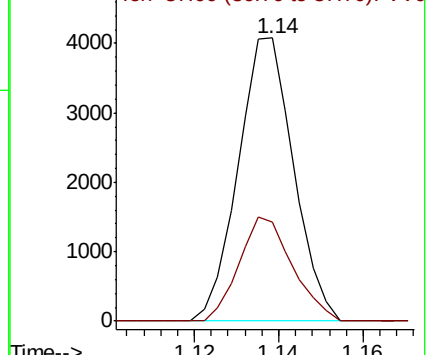
85 100

87 35.4 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: 2.463 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018690.D

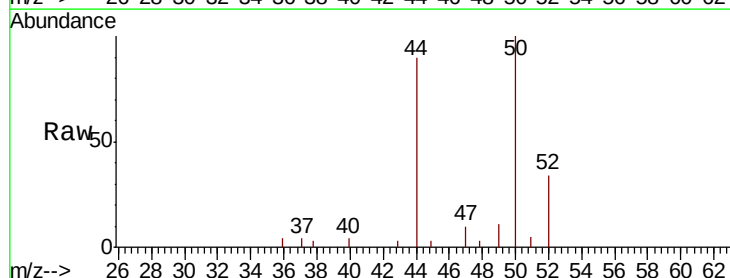
Acq: 06 Oct 2020 13:45

Tgt Ion: 50 Resp: 4591

Ion Ratio Lower Upper

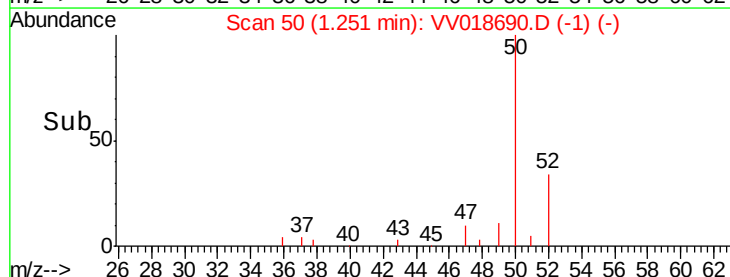
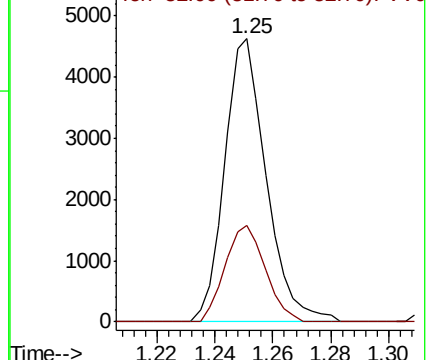
50 100

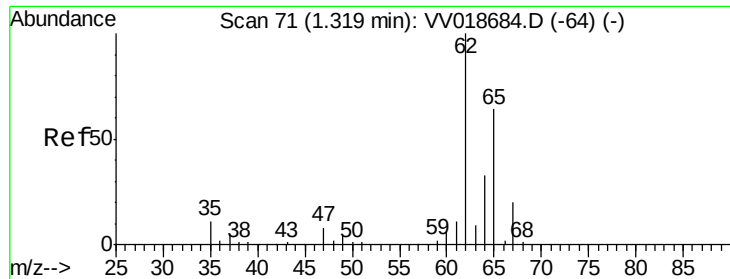
52 34.1 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.875 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

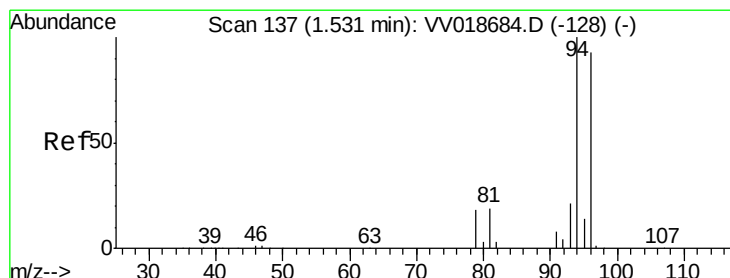
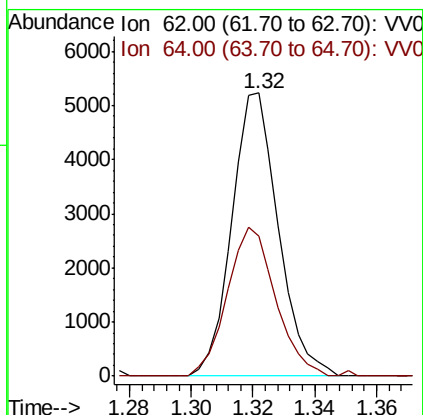
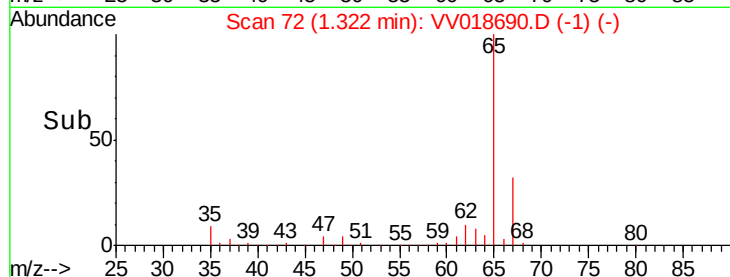
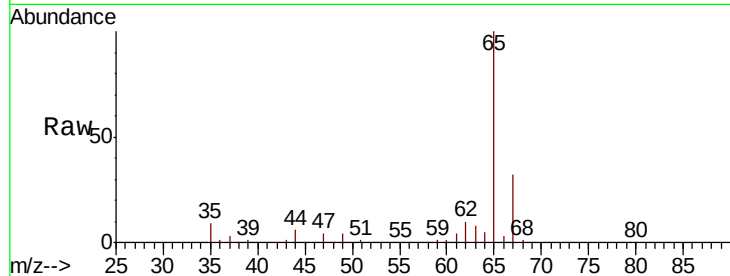
MDL04

Tot Ion: 62 Resp: 5484

Ion Ratio Lower Upper

62 100

64 49.6 22.9 42.5#



#6

Bromomethane

Concen: 2.945 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018690.D

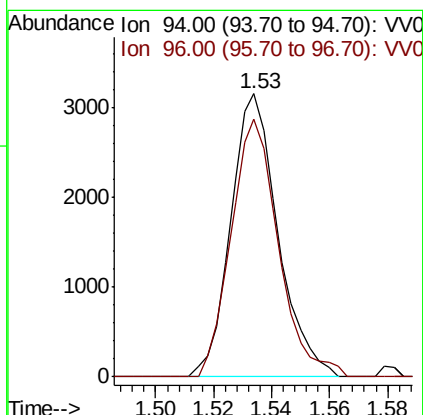
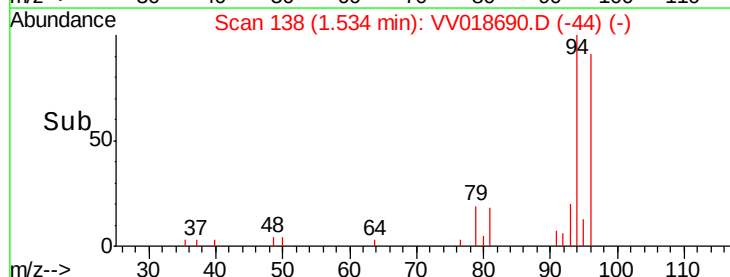
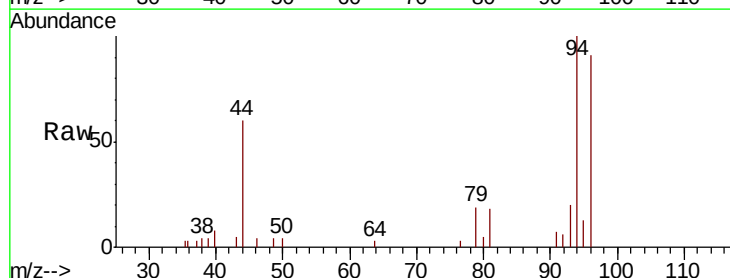
Acq: 06 Oct 2020 13:45

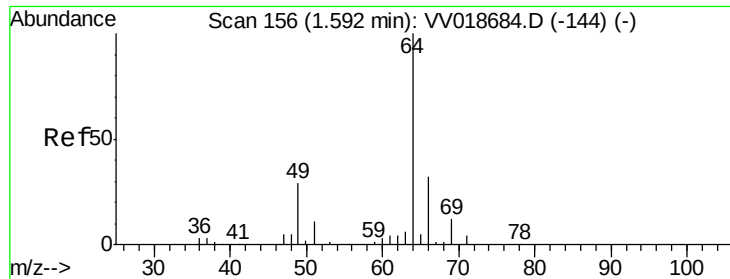
Tgt Ion: 94 Resp: 3569

Ion Ratio Lower Upper

94 100

96 90.9 65.4 121.4





#8

Chloroethane

Concen: 2.793 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

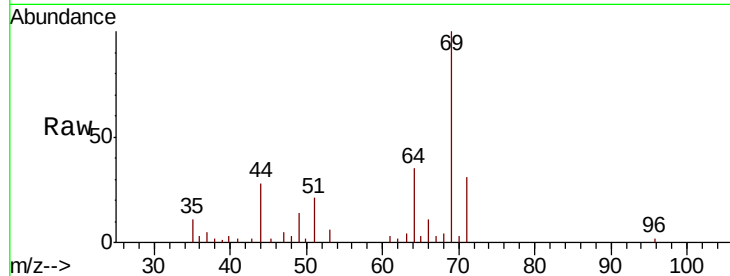
MDL04

Tot Ion: 64 Resp: 3433

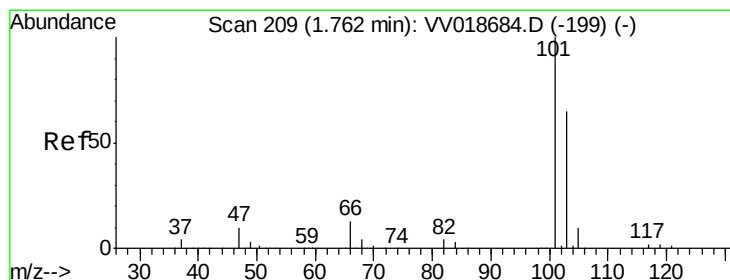
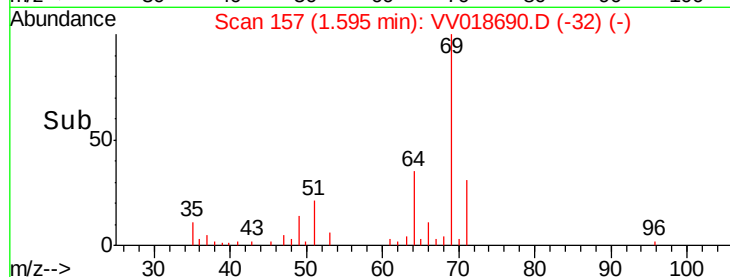
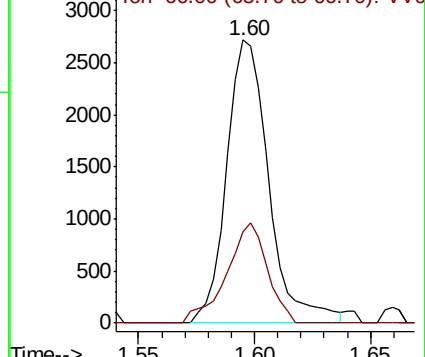
Ion Ratio Lower Upper

64 100

66 32.1 23.0 42.6



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



#9

Trichlorofluoromethane

Concen: 2.850 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018690.D

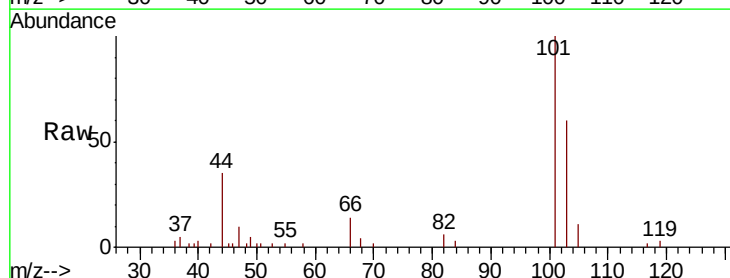
Acq: 06 Oct 2020 13:45

Tgt Ion: 101 Resp: 7729

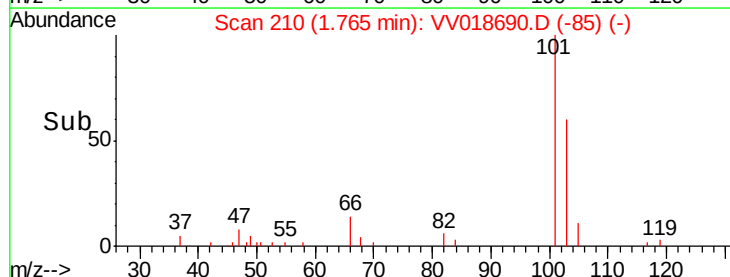
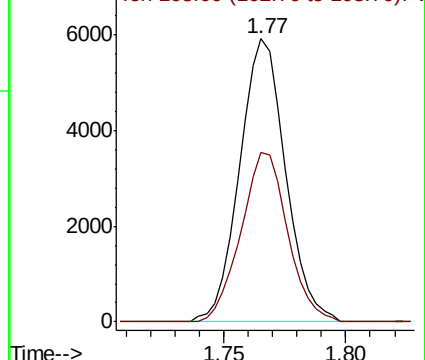
Ion Ratio Lower Upper

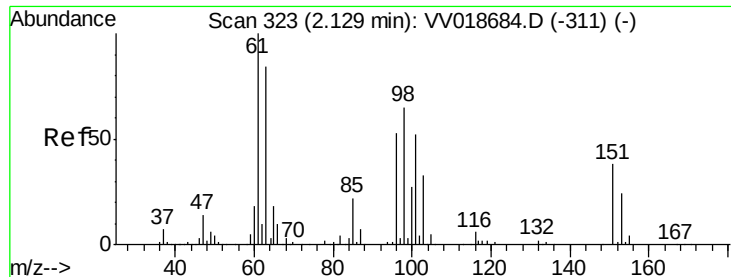
101 100

103 60.9 52.1 78.1



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





#10

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

Concen: 3.294 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

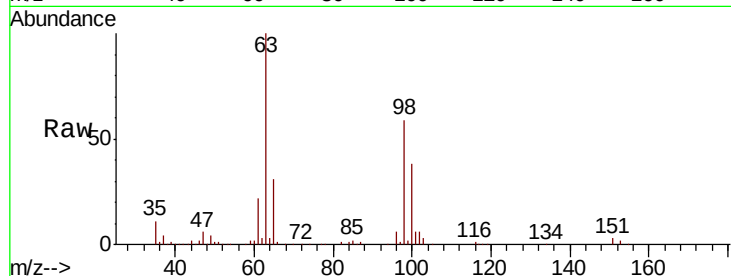
Tot Ion:101 Resp: 5477

Ion Ratio Lower Upper

101 100

85 36.4 34.6 51.8

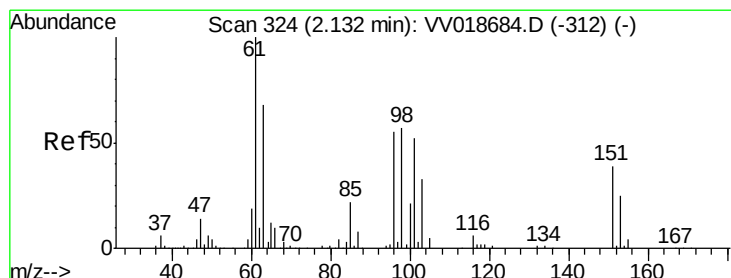
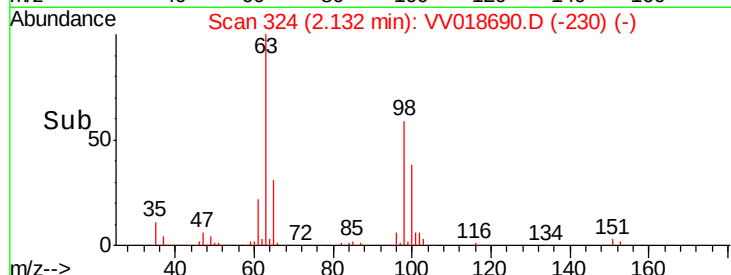
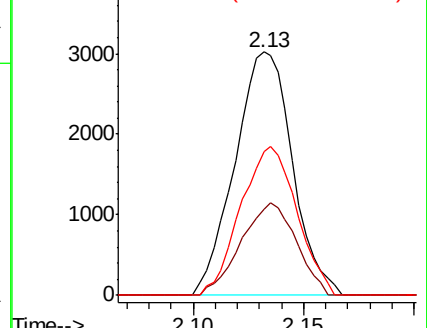
151 59.7 62.4 93.6#



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: 3.086 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

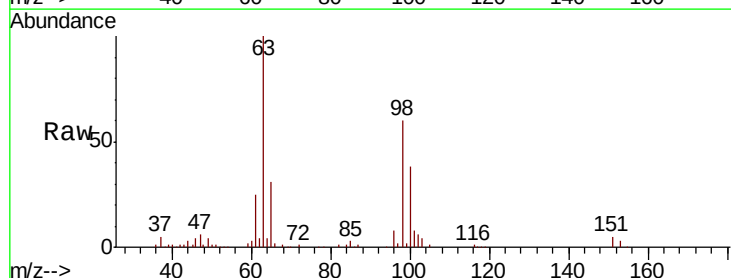
Tgt Ion: 96 Resp: 4879

Ion Ratio Lower Upper

96 100

61 295.6 121.0 224.8#

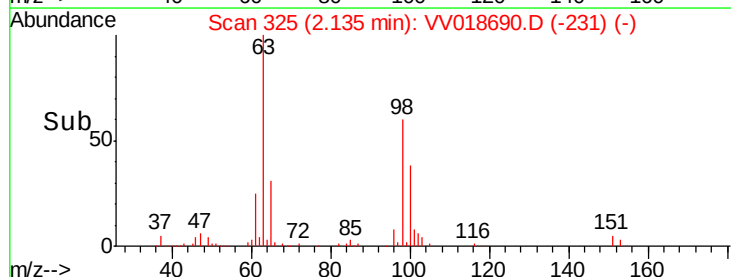
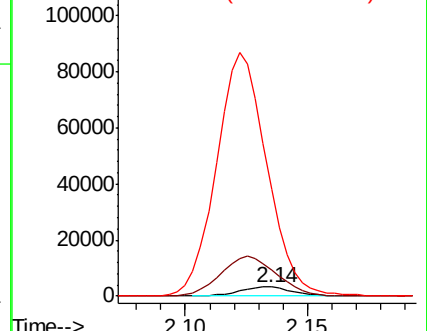
63 1185.9 93.0 172.6#

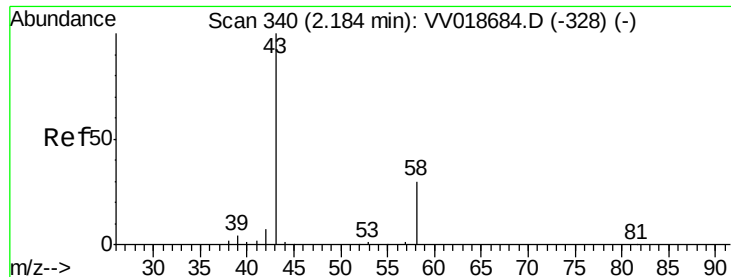


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.406 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

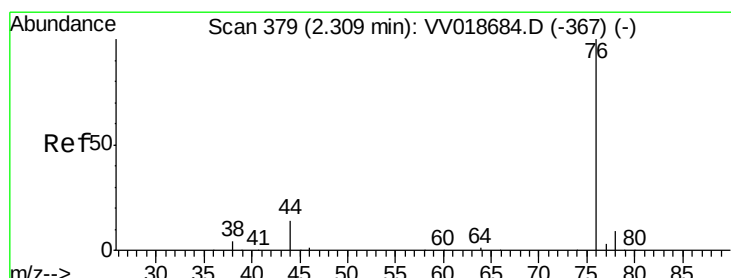
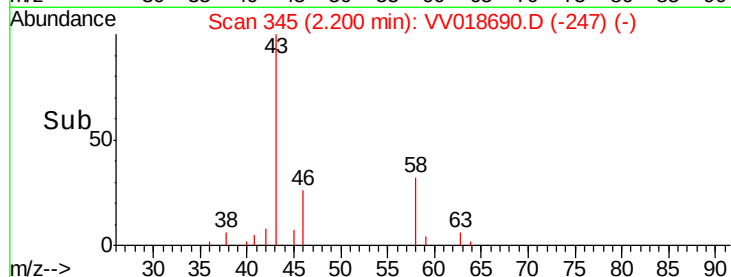
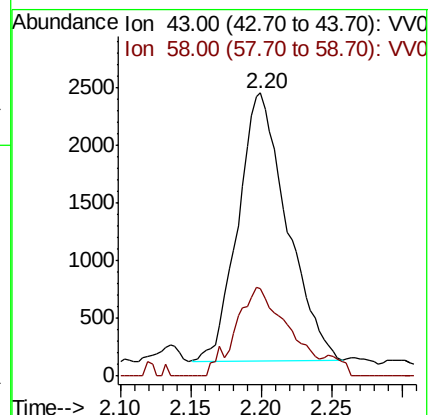
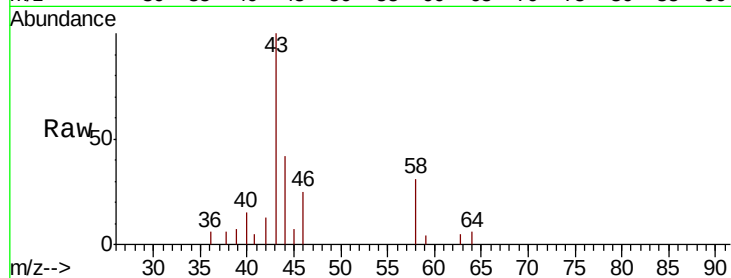
Instrument :
MSVOA_V
ClientSampled :
MDL04

Tot Ion: 43 Resp: 5644

Ion Ratio Lower Upper

43 100

58 26.5 0.0 65.8



#14

Carbon disulfide

Concen: 2.887 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018690.D

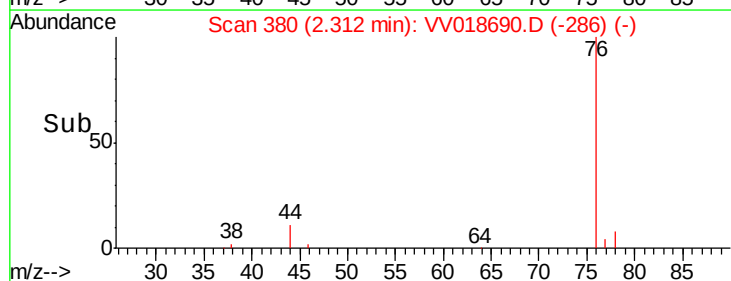
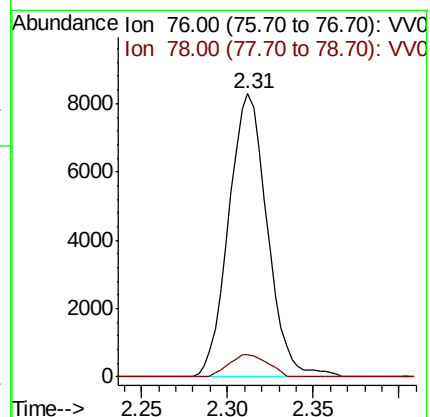
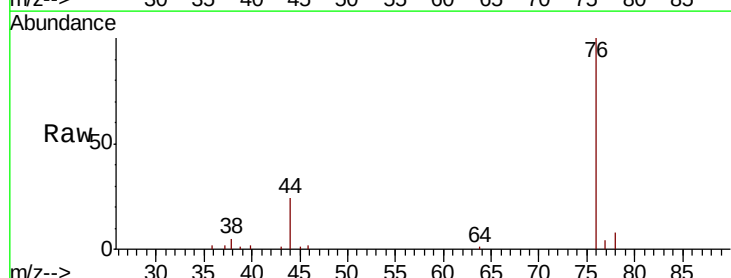
Acq: 06 Oct 2020 13:45

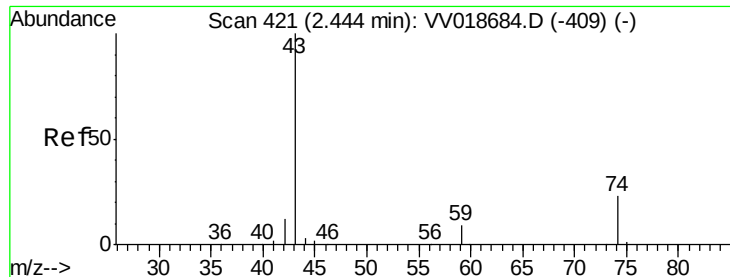
Tgt Ion: 76 Resp: 12958

Ion Ratio Lower Upper

76 100

78 8.0 7.2 10.8





#15

Methvl Acetate

Concen: 2.702 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.02 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

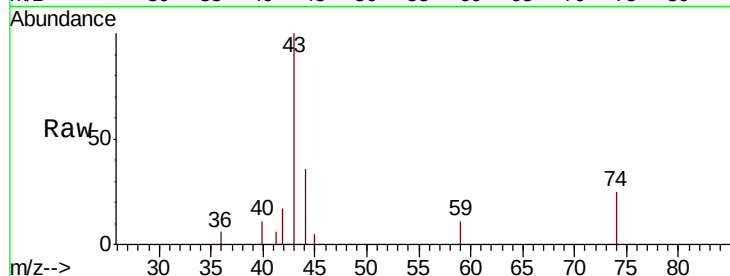
MDL04

Tot Ion: 43 Resp: 4567

Ion Ratio Lower Upper

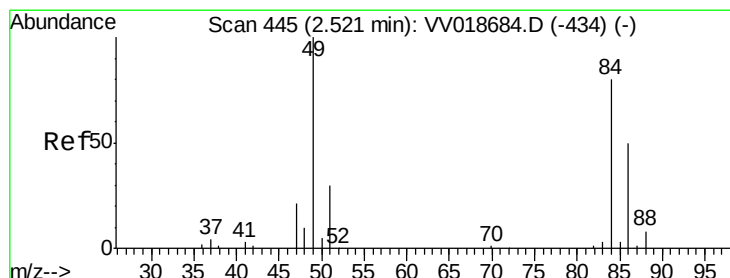
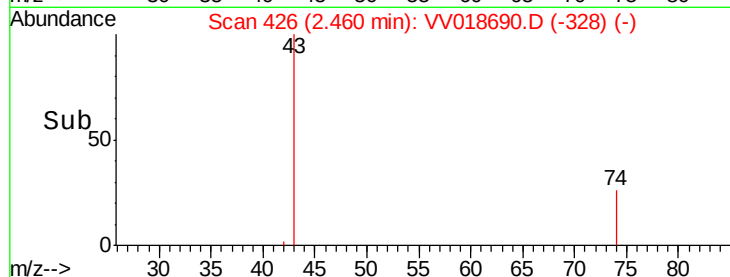
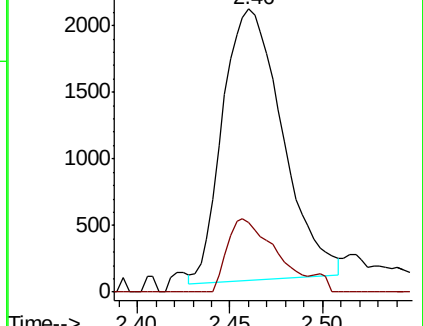
43 100

74 21.8 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: 3.481 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

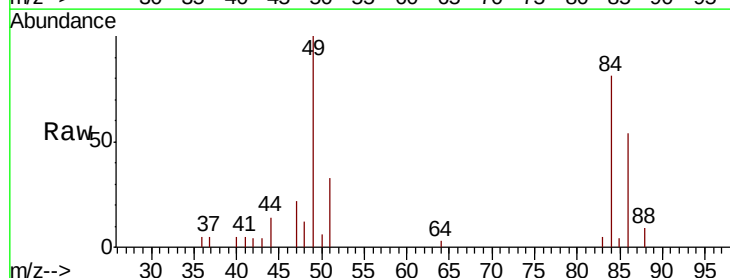
Tgt Ion: 84 Resp: 6231

Ion Ratio Lower Upper

84 100

86 67.1 46.0 85.4

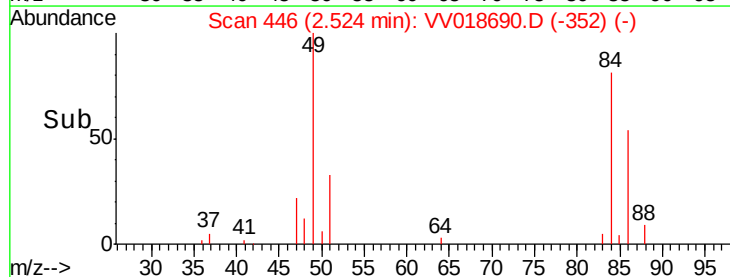
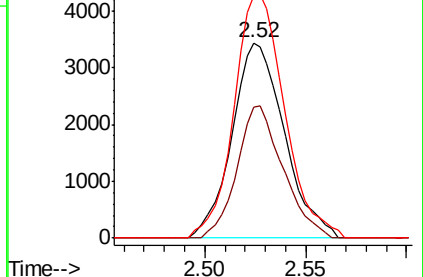
49 124.1 87.5 162.5

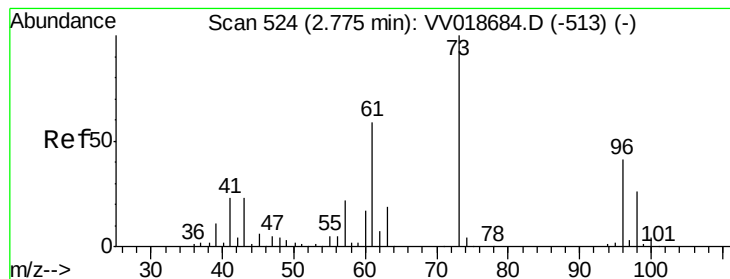


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 2.904 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

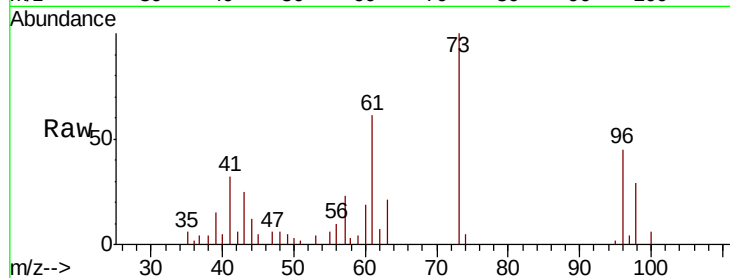
Tot Ion: 96 Resp: 4648

Ion Ratio Lower Upper

96 100

61 134.7 98.3 182.5

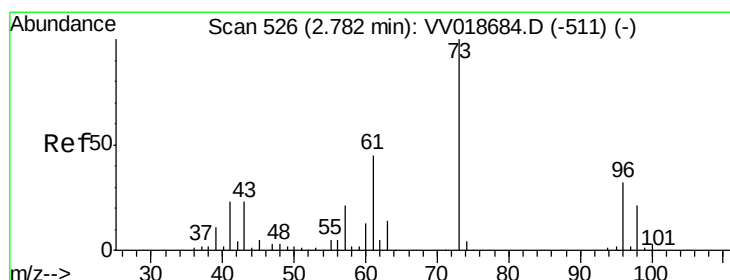
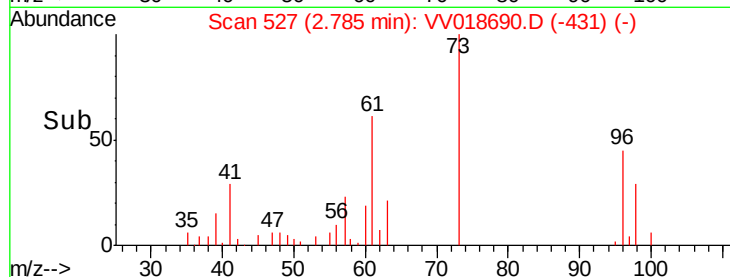
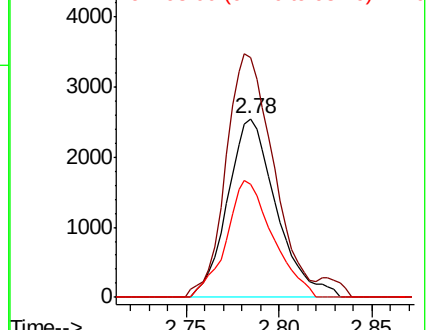
98 63.5 43.5 80.7



Abundance Ion 96.00 (95.70 to 96.70): VV018690.D (-431) (-)

Ion 61.00 (60.70 to 61.70): VV018690.D (-431) (-)

Ion 98.00 (97.70 to 98.70): VV018690.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 2.628 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

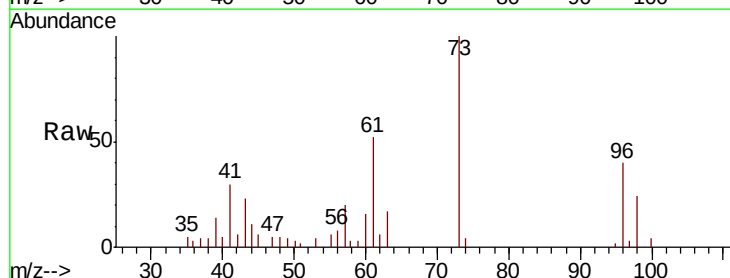
Tgt Ion: 73 Resp: 13074

Ion Ratio Lower Upper

73 100

43 21.2 15.4 23.2

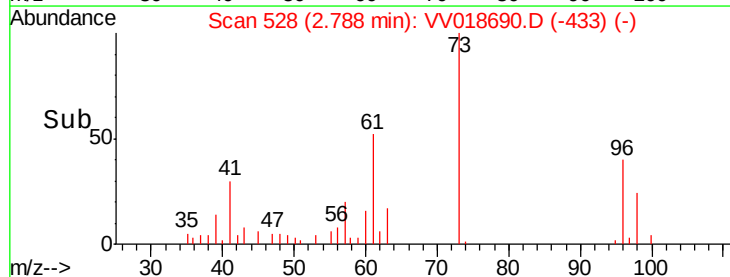
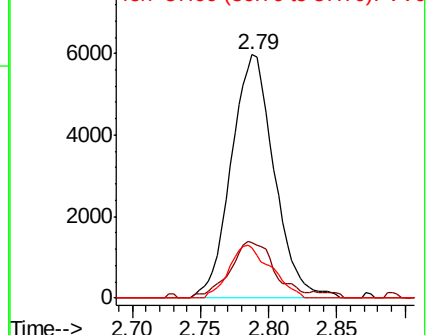
57 21.1 17.8 26.6

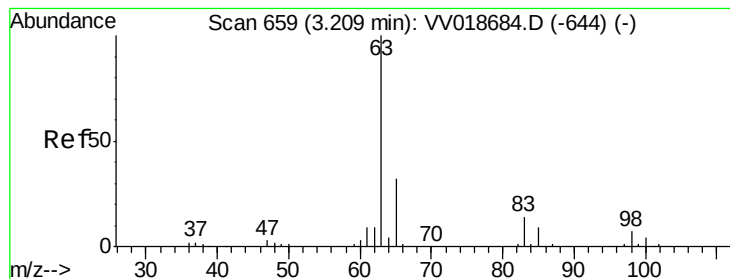


Abundance Ion 73.00 (72.70 to 73.70): VV018690.D (-433) (-)

Ion 43.00 (42.70 to 43.70): VV018690.D (-433) (-)

Ion 57.00 (56.70 to 57.70): VV018690.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 2.338 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

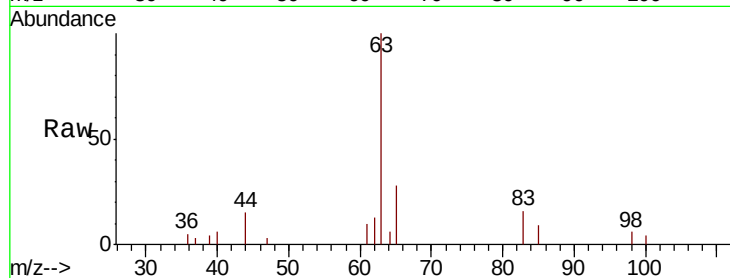
Tot Ion: 63 Resp: 7263

Ion Ratio Lower Upper

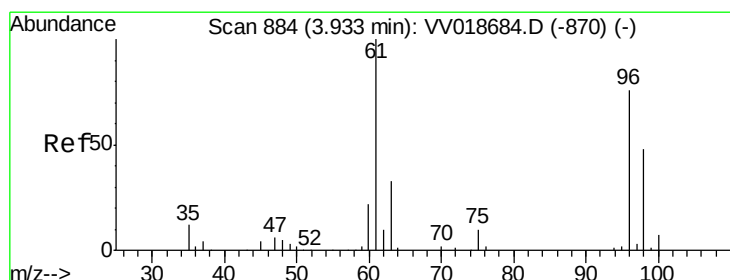
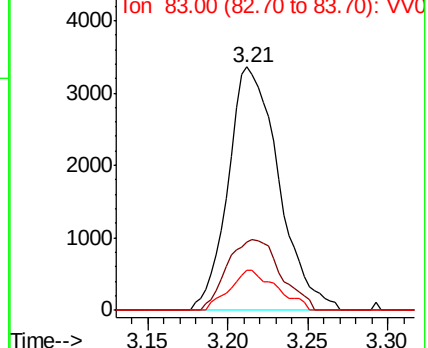
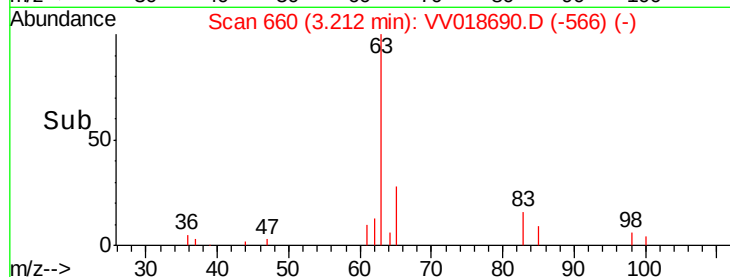
63 100

65 27.9 21.8 40.6

83 16.3 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018690.D (-566) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.519 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

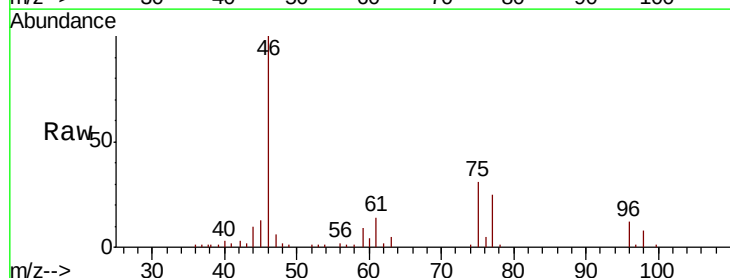
Tgt Ion: 96 Resp: 4347

Ion Ratio Lower Upper

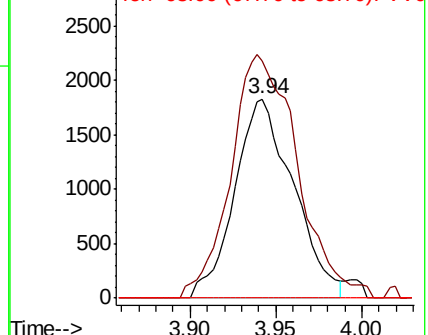
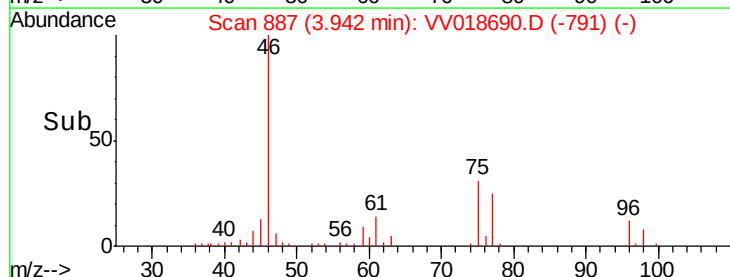
96 100

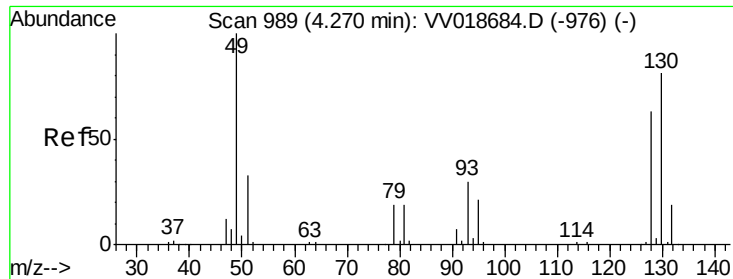
61 118.8 90.4 167.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV018690.D (-791) (-)





#23

Bromochloromethane

Concen: 2.433 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.02 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion:128 Resp: 2248

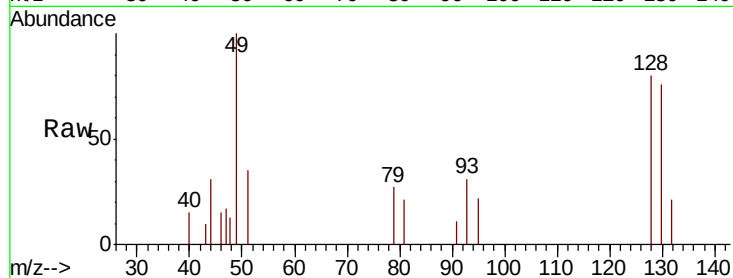
Ion Ratio Lower Upper

128 100

49 124.4 120.3 223.3

130 94.8 91.3 169.5

51 43.8 43.1 64.7

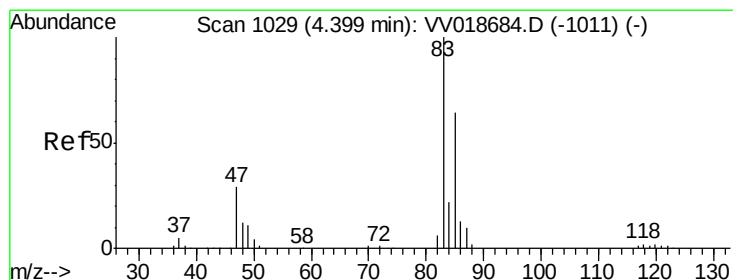
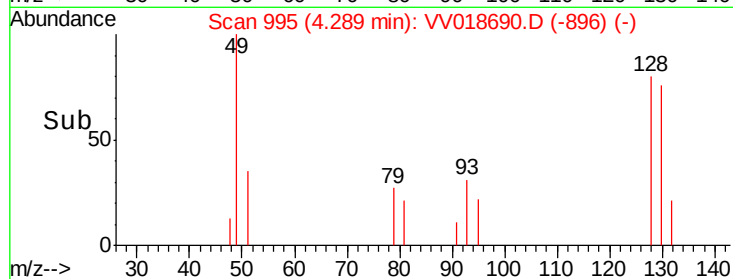
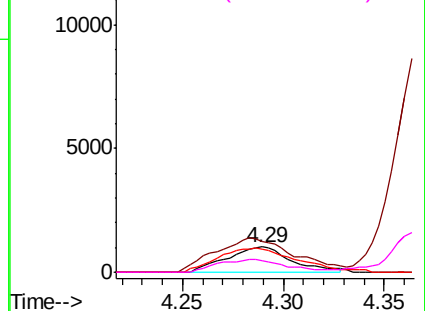


Abundance Ion 128.00 (127.70 to 128.70): V

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: 3.228 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV018690.D

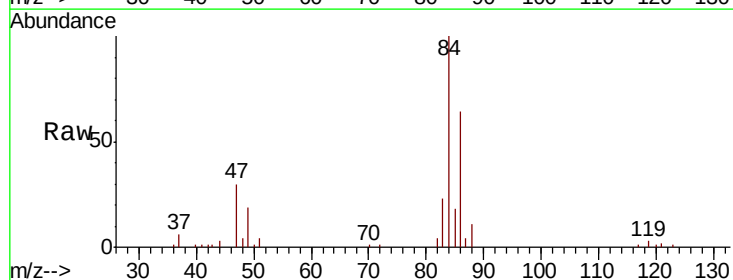
Acq: 06 Oct 2020 13:45

Tgt Ion: 83 Resp: 10139

Ion Ratio Lower Upper

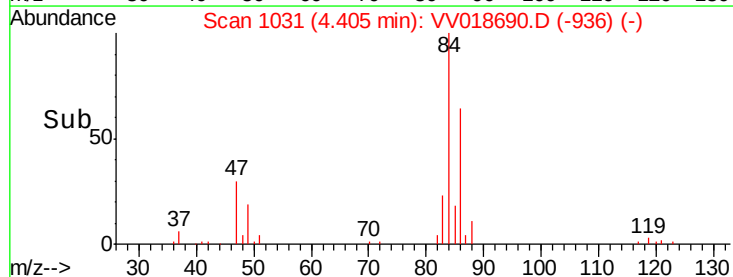
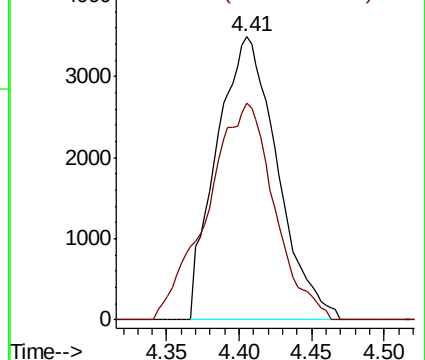
83 100

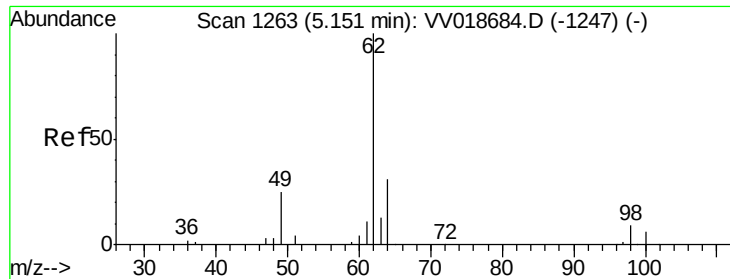
85 76.7 45.2 84.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

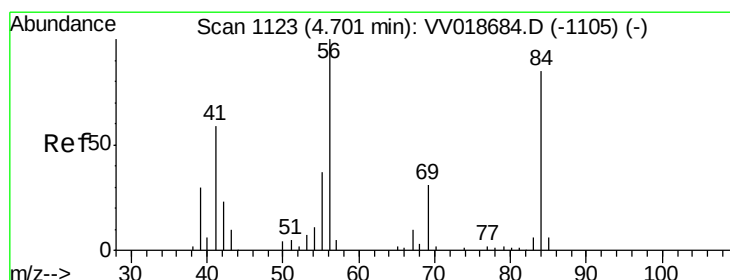
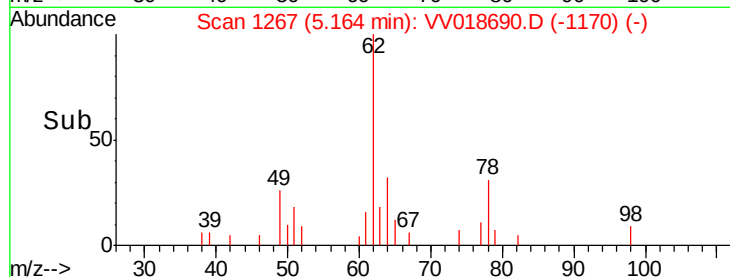
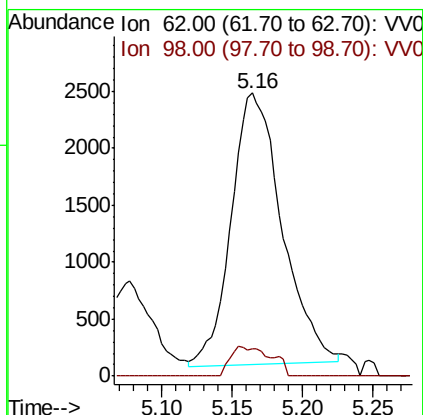
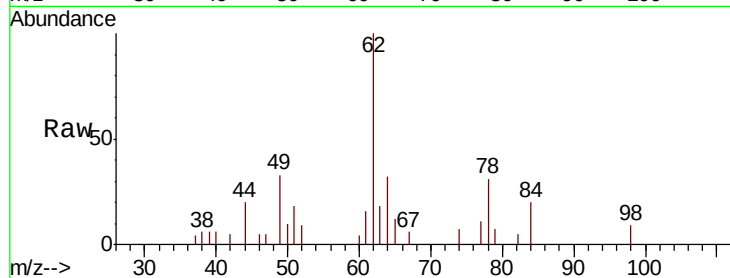




#27
 1,2-Dichloroethane
 Concen: 2.469 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

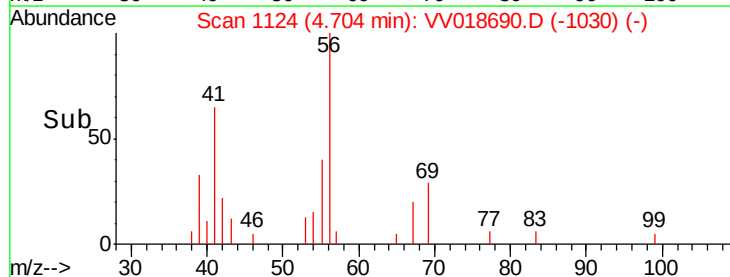
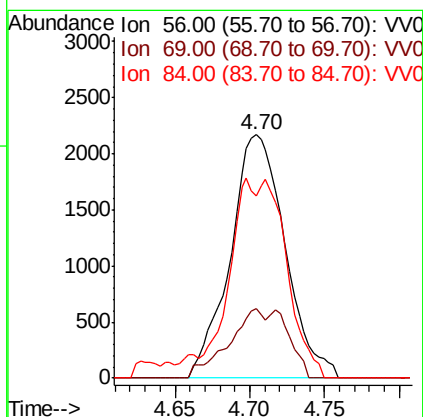
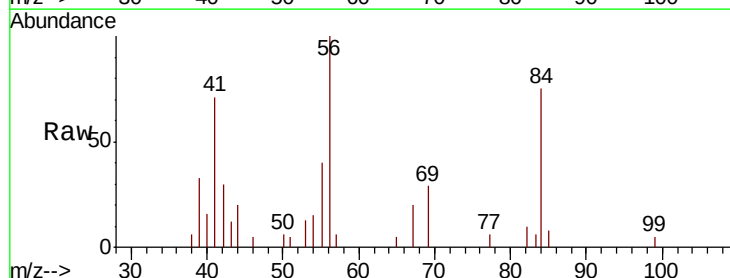
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

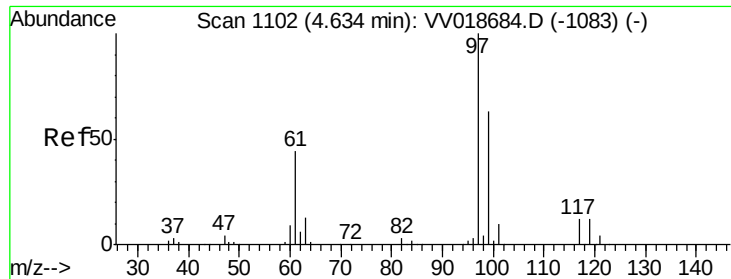
Tot Ion: 62 Resp: 6010
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.4 11.2



#29
 Cyclohexane
 Concen: 1.936 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion: 56 Resp: 5546
 Ion Ratio Lower Upper
 56 100
 69 17.8 24.4 36.6#
 84 33.6 68.6 102.8#

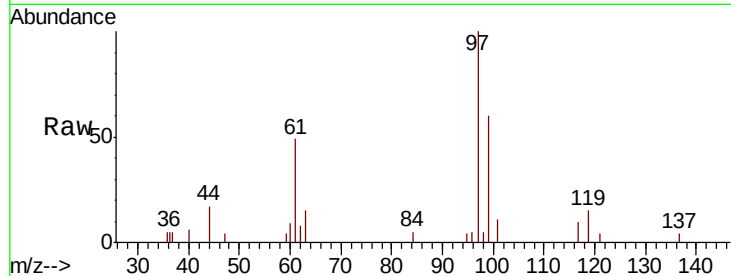




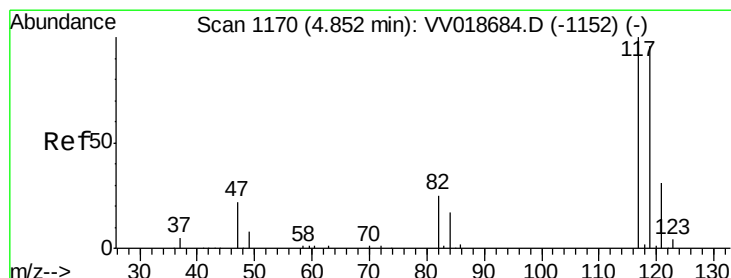
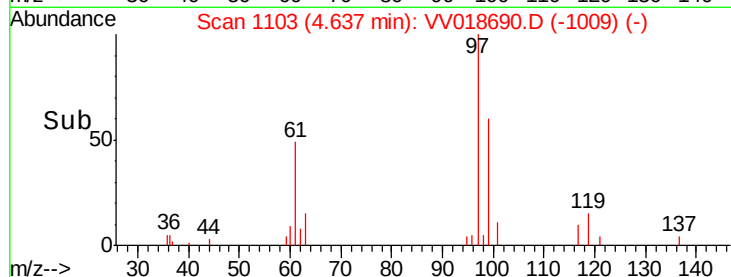
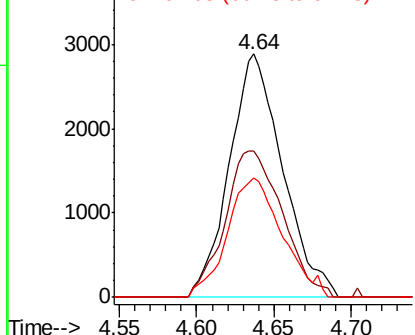
#30
 1,1,1-Trichloroethane
 Concen: 2.279 ug/L
 RT: 4.64 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion: 97 Resp: 6901
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.7 76.1
 61 49.7 35.0 52.6

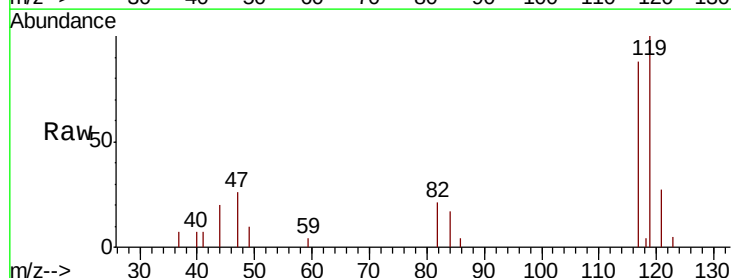


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

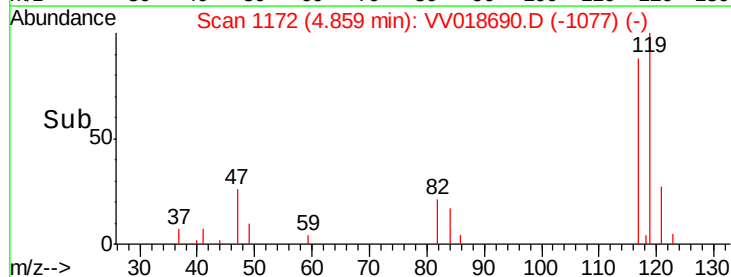
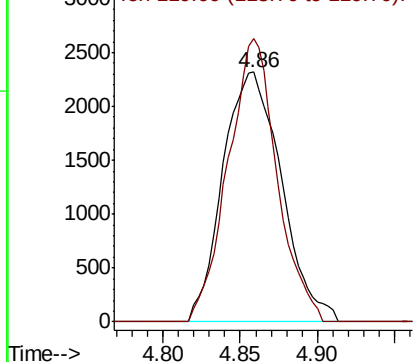


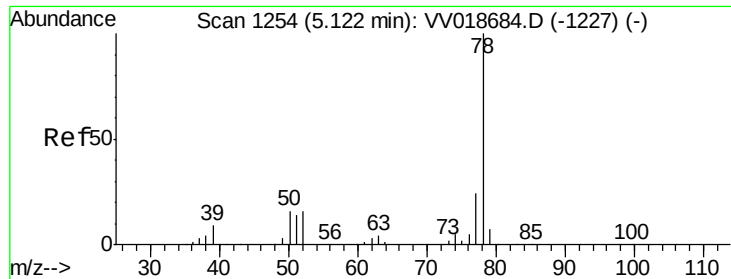
#31
 Carbon tetrachloride
 Concen: 2.310 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion: 117 Resp: 6099
 Ion Ratio Lower Upper
 117 100
 119 94.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.052 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

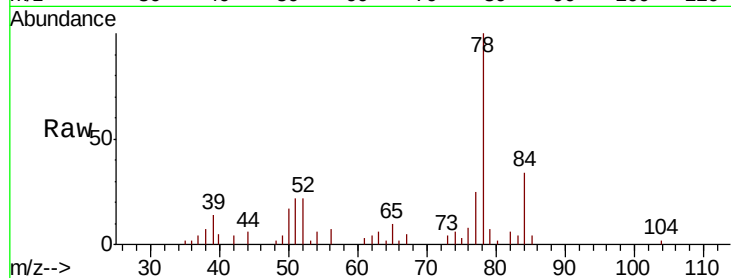
Instrument :

MSVOA_V

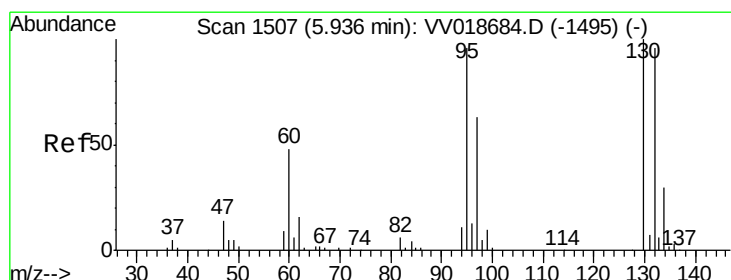
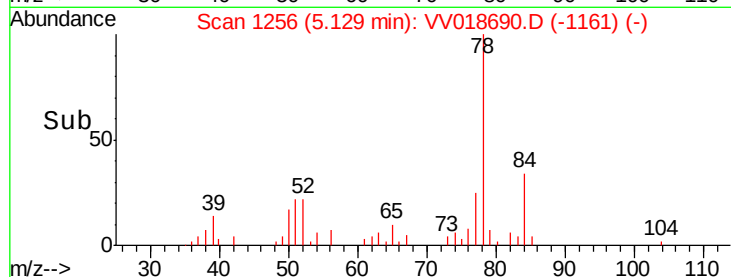
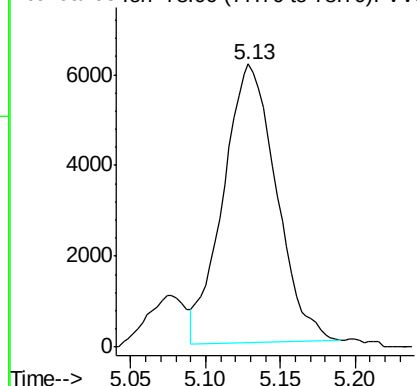
ClientSampled :

MDL04

Tgt Ion: 78 Resp: 15127



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.889 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Tgt Ion: 95 Resp: 5857

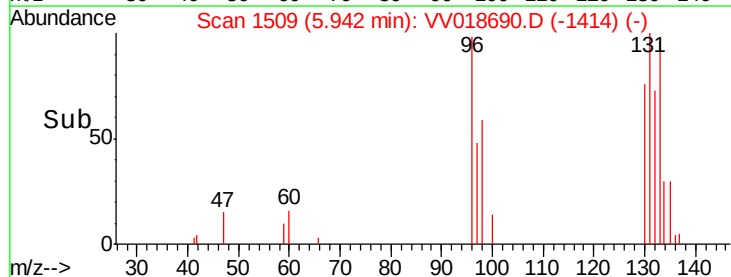
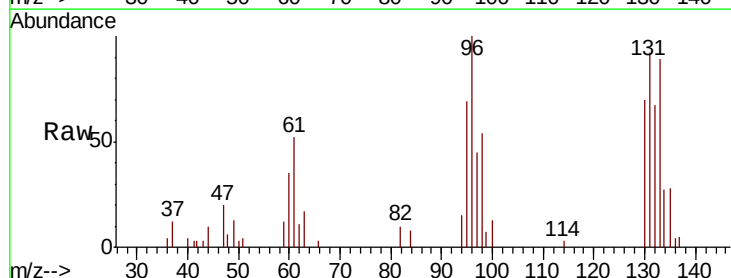
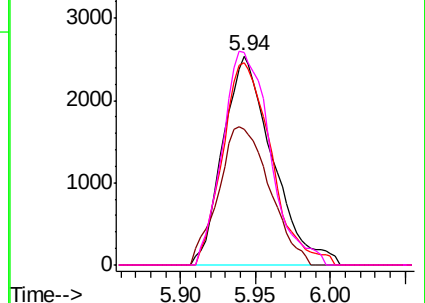
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.7	83.1
132	97.0	67.8	126.0
130	101.5	71.5	132.7

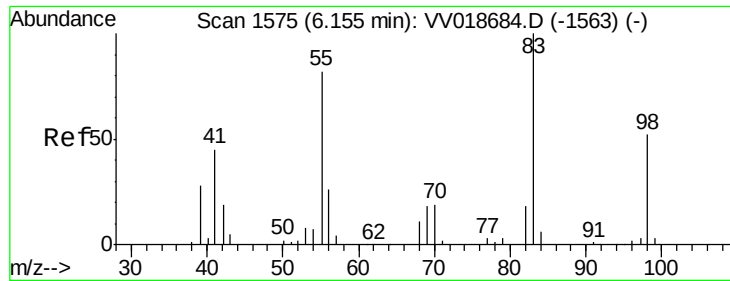
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

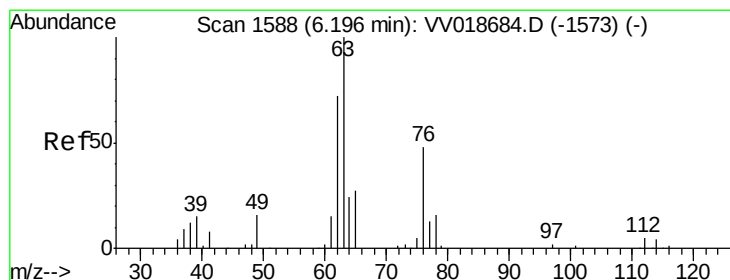
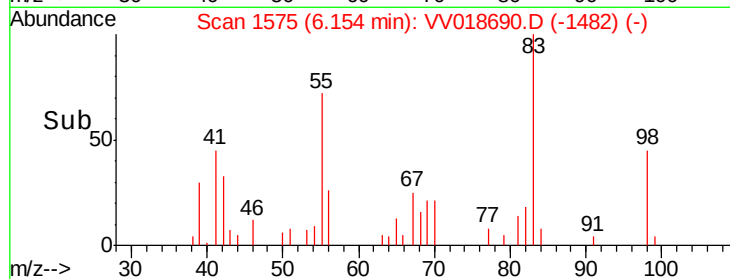
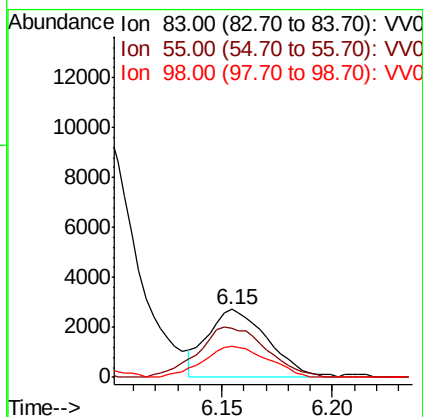
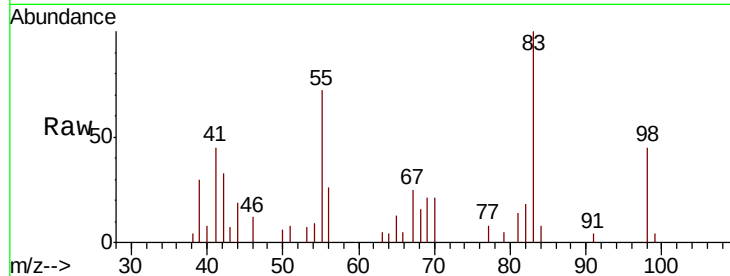




#35
Methylvlcyclohexane
Concen: 1.749 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

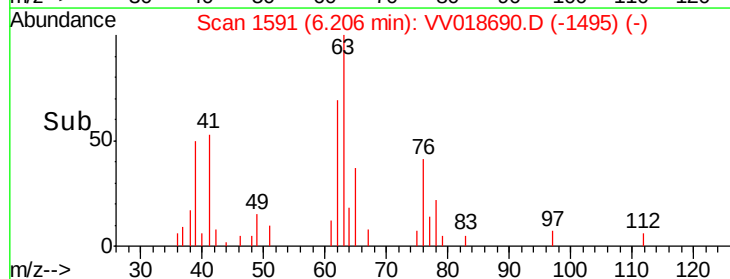
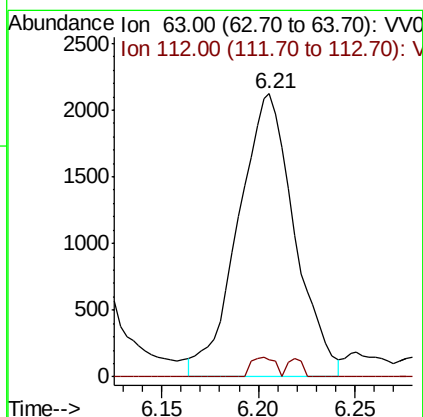
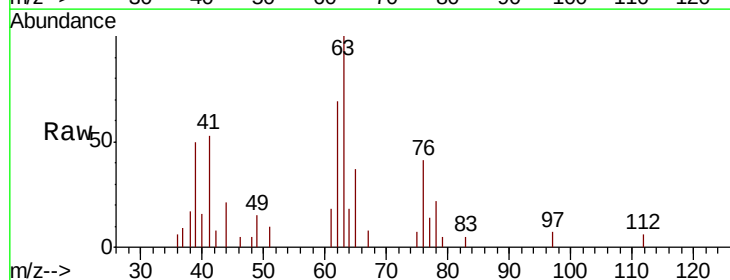
Instrument :
MSVOA_V
ClientSampled :
MDL04

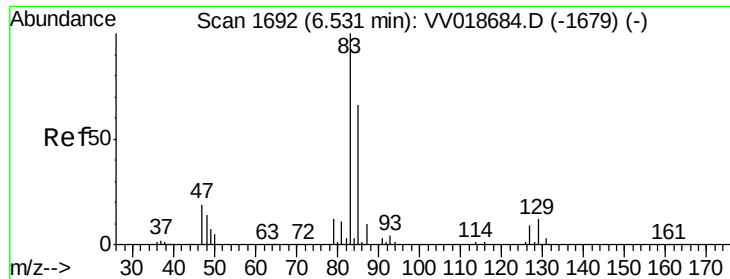
Tot Ion: 83 Resp: 5148
Ion Ratio Lower Upper
83 100
55 84.6 63.6 95.4
98 48.7 38.6 58.0



#37
1,2-Dichloropropane
Concen: 2.204 ug/L
RT: 6.21 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion: 63 Resp: 4297
Ion Ratio Lower Upper
63 100
112 3.0 3.7 5.5#

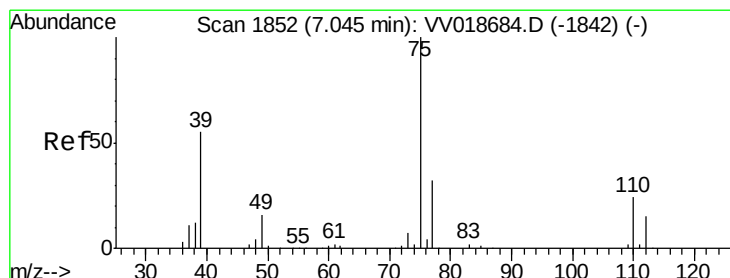
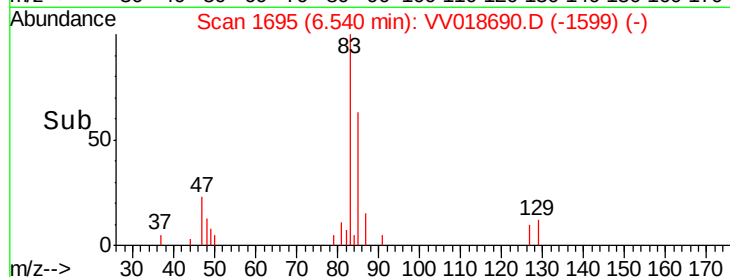
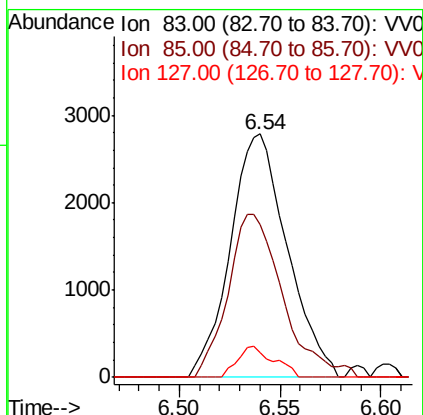
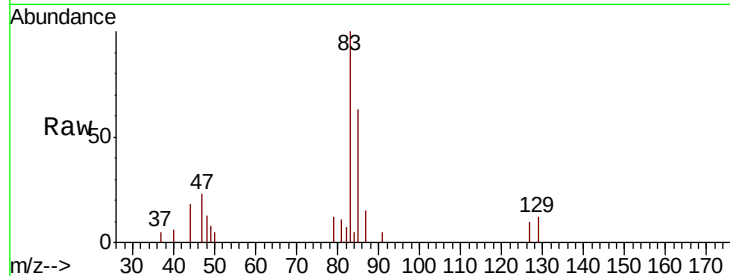




#38
 Bromodichloromethane
 Concen: 2.150 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

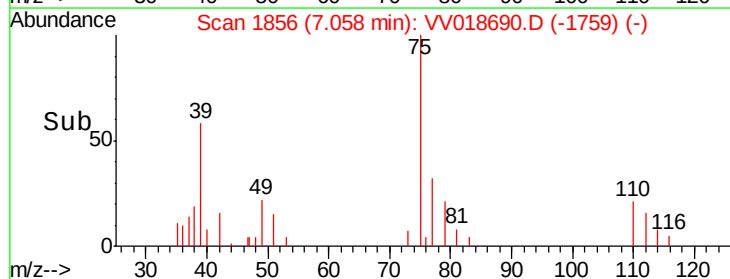
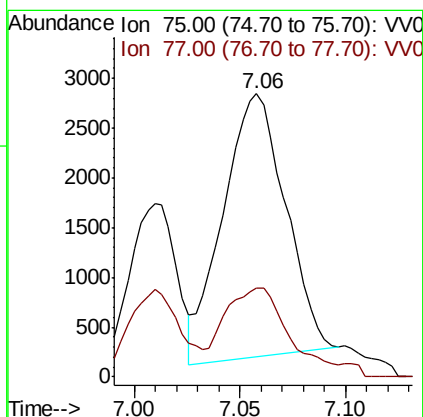
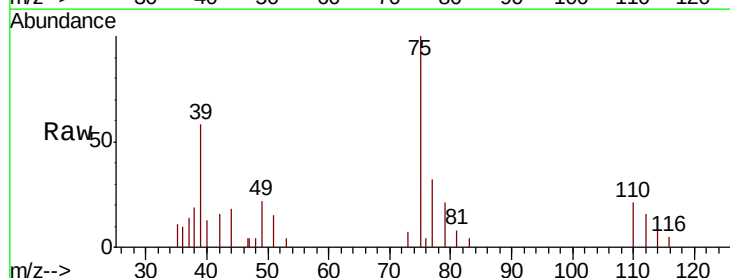
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

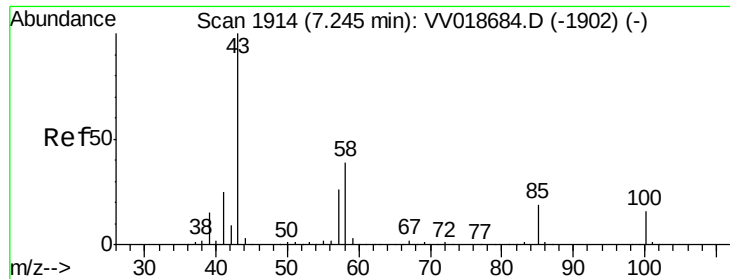
Tot Ion: 83 Resp: 5486
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.1 83.9
 127 10.2 6.8 10.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.865 ug/L
 RT: 7.06 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion: 75 Resp: 5456
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.7 42.1

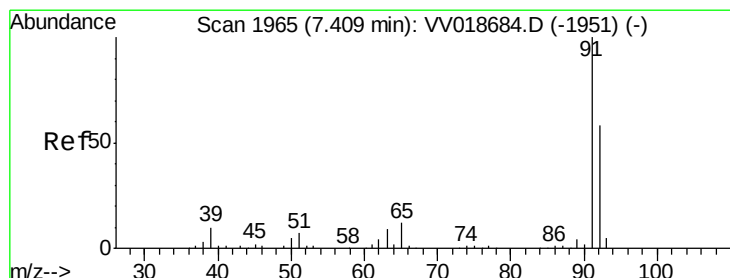
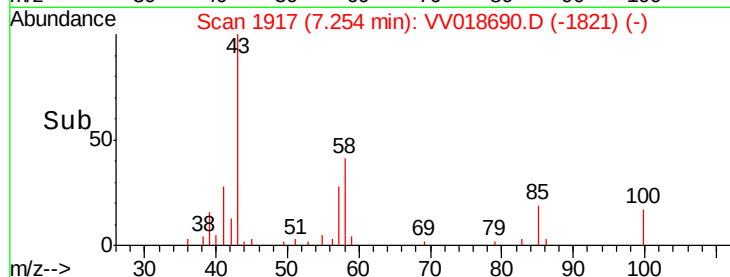
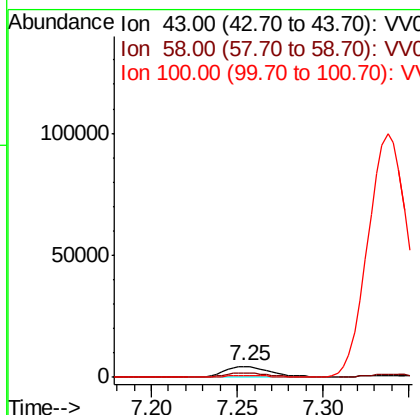
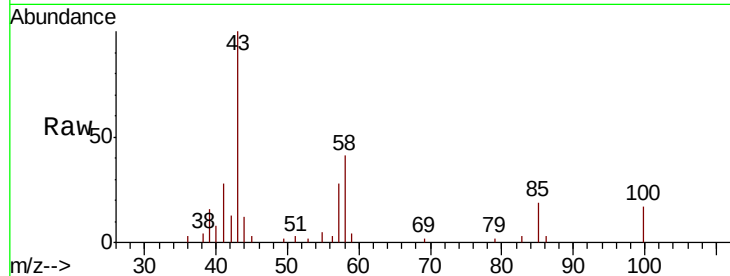




#40
4-Methyl-2-pentanone
Concen: 3.744 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

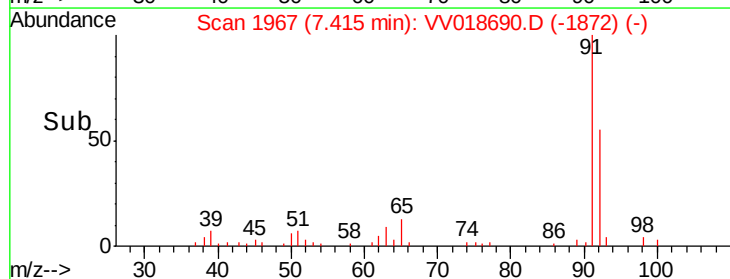
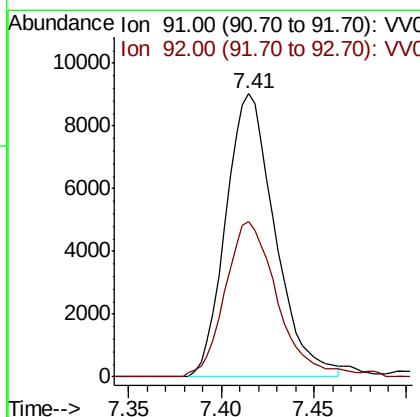
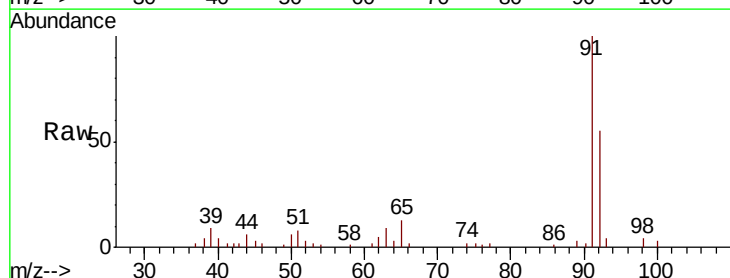
Instrument :
MSVOA_V
ClientSampleID :
MDL04

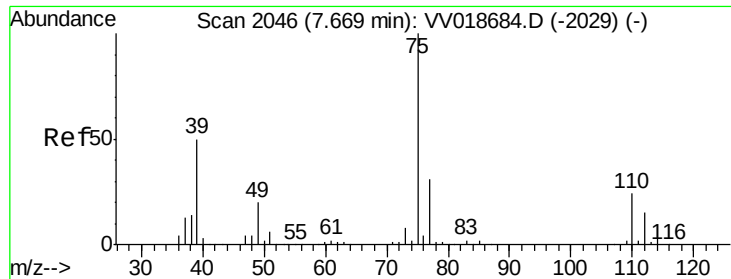
Tot Ion: 43 Resp: 8664
Ion Ratio Lower Upper
43 100
58 41.3 32.4 48.6
100 15.1 13.0 19.4



#42
Toluene
Concen: 2.149 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion: 91 Resp: 16624
Ion Ratio Lower Upper
91 100
92 55.0 40.7 75.7

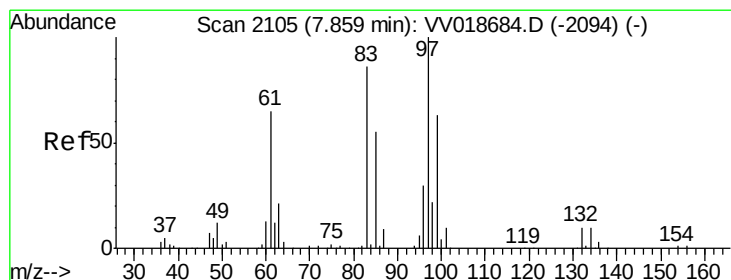
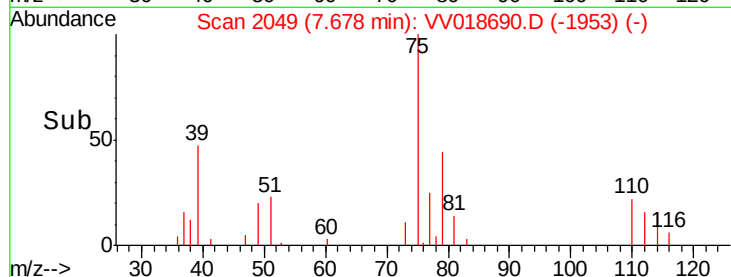
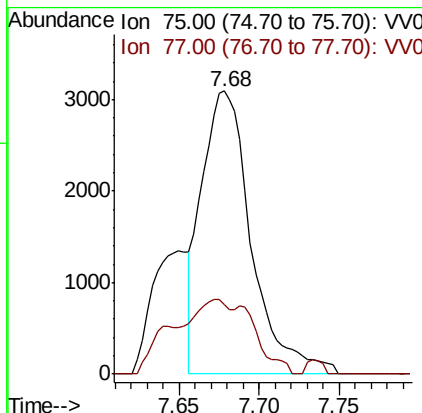
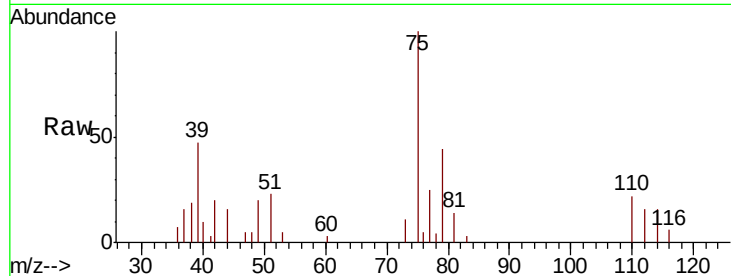




#44
trans-1,3-Dichloropropene
Concen: 2.302 ug/L
RT: 7.68 min Scan# 2049
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

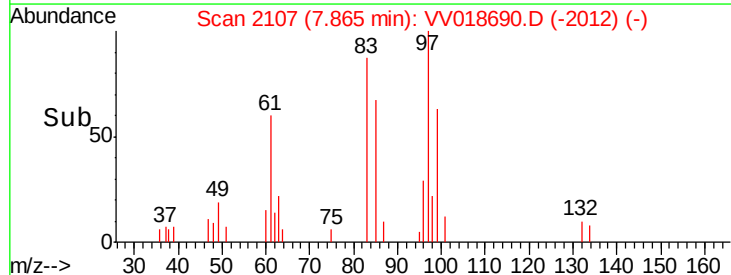
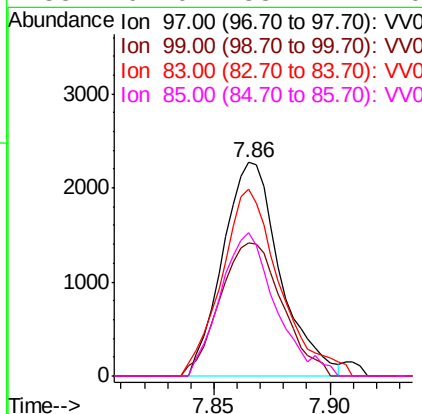
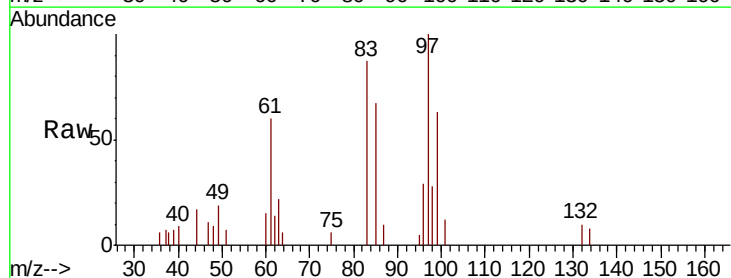
Instrument :
MSVOA_V
ClientSampled :
MDL04

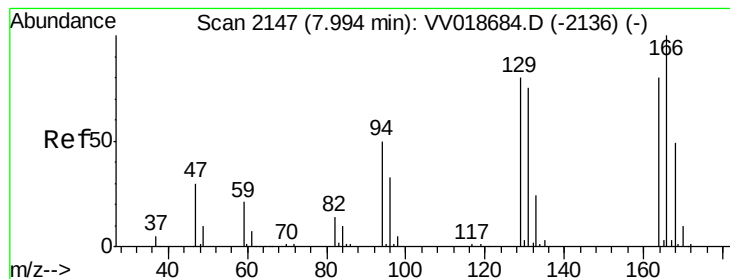
Tot Ion: 75 Resp: 6676
Ion Ratio Lower Upper
75 100
77 24.5 21.8 40.4



#45
1,1,2-Trichloroethane
Concen: 2.126 ug/L
RT: 7.86 min Scan# 2107
Delta R.T. 0.01 min
Lab File: VV018690.D
Acq: 06 Oct 2020 13:45

Tgt Ion: 97 Resp: 3904
Ion Ratio Lower Upper
97 100
99 62.6 44.6 82.8
83 87.3 60.5 112.5
85 67.0 38.2 71.0





#46

Tetrachloroethene

Concen: 2.134 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion:164 Resp: 3387

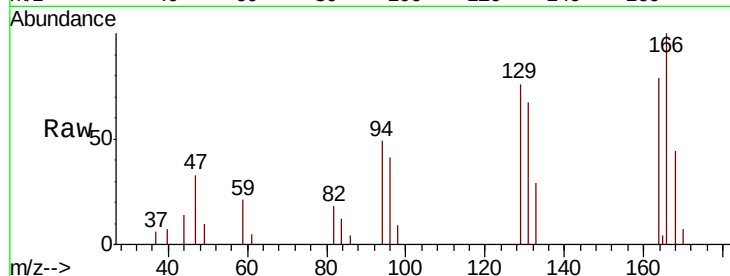
Ion Ratio Lower Upper

164 100

129 96.9 63.7 118.3

131 84.8 60.6 112.6

166 126.9 90.6 168.3

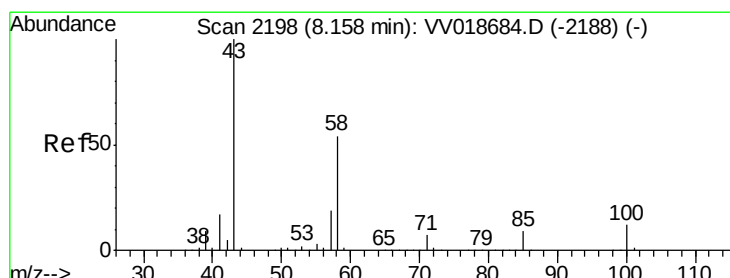
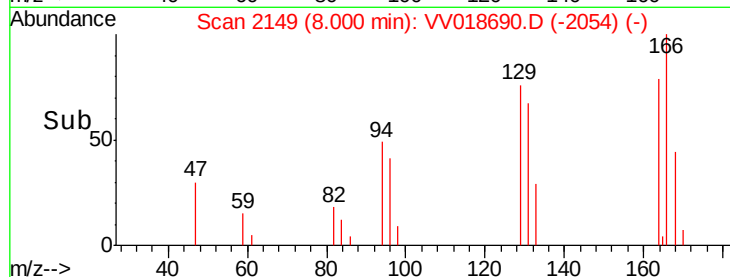
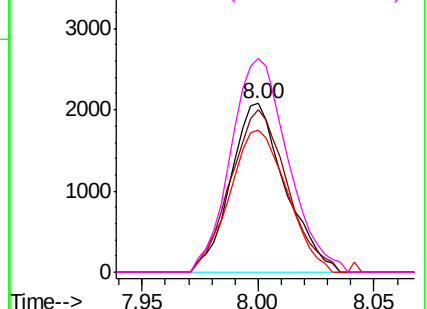


Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.120 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Tgt Ion: 43 Resp: 15924

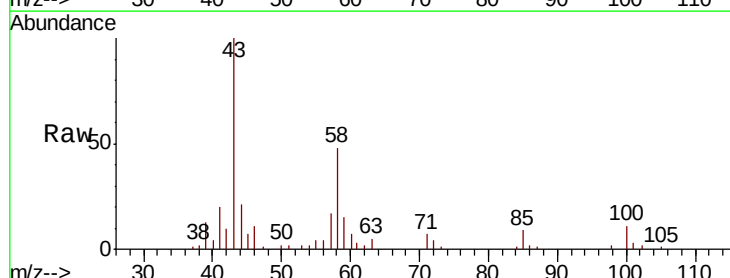
Ion Ratio Lower Upper

43 100

58 55.0 45.4 68.0

57 17.7 16.0 24.0

100 11.0 10.1 15.1

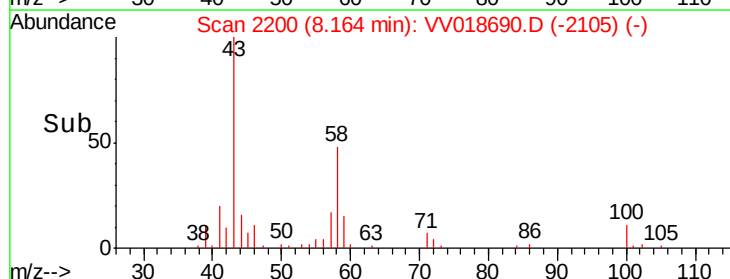
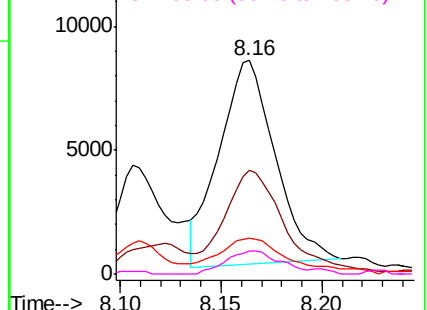


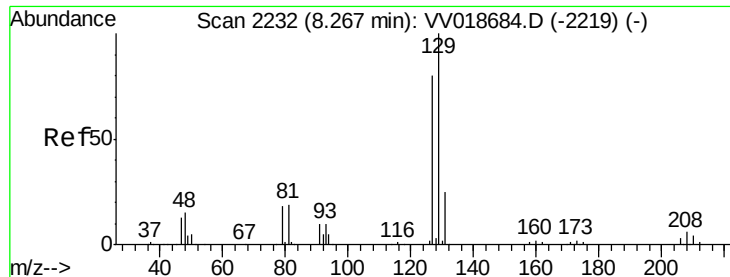
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 1.991 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

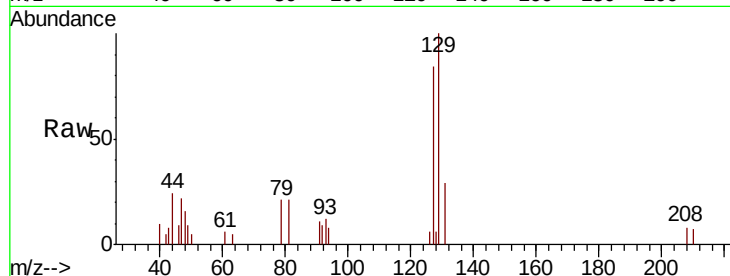
MDL04

Tot Ion:129 Resp: 4070

Ion Ratio Lower Upper

129 100

127 83.8 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

2500

2000

1500

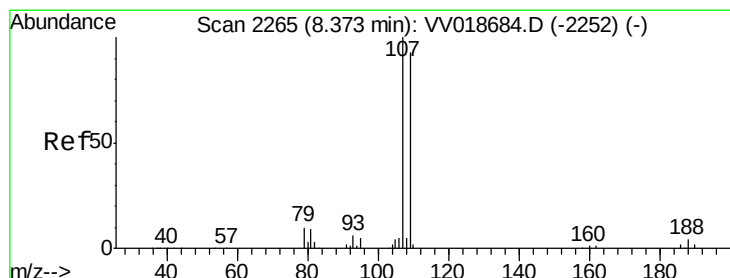
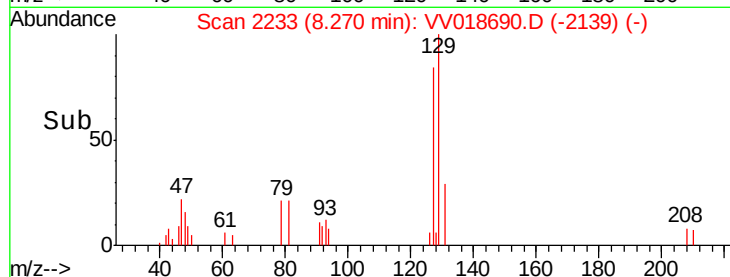
1000

500

0

8.25 8.30

Time-->



#50

1,2-Dibromoethane

Concen: 2.294 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

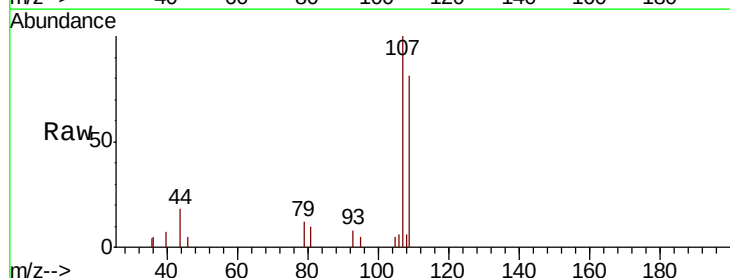
Tgt Ion:107 Resp: 4384

Ion Ratio Lower Upper

107 100

109 80.7 64.9 120.5

188 0.0 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

8.38

3000

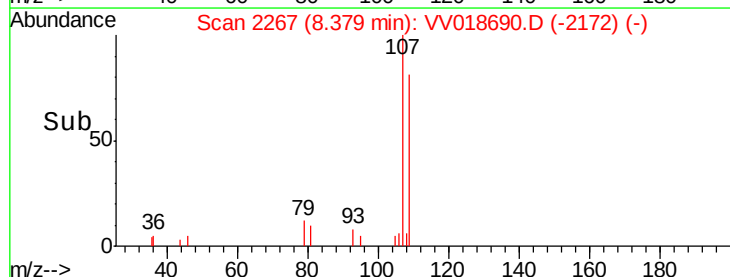
2000

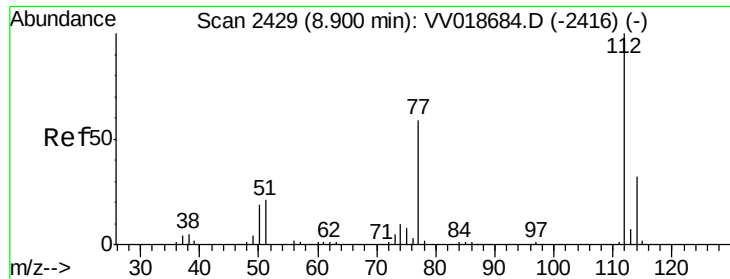
1000

0

8.35 8.40

Time-->





#51

Chlorobenzene

Concen: 2.450 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

MDL04

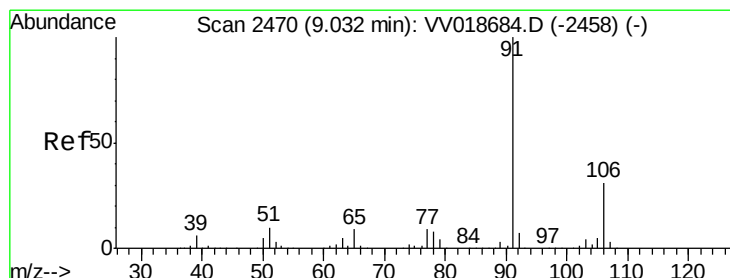
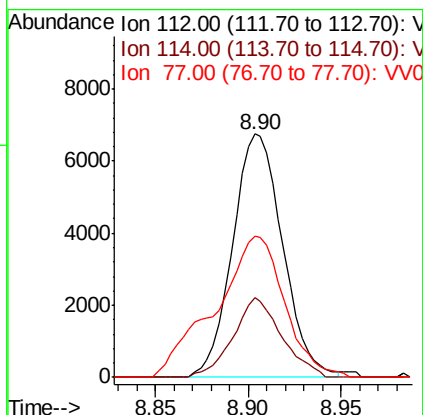
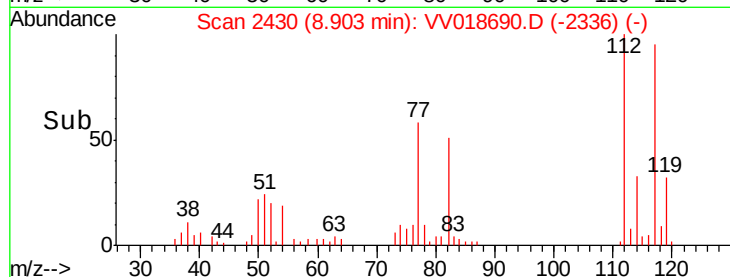
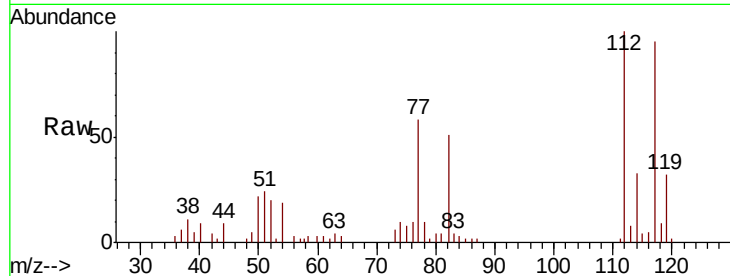
Tot Ion:112 Resp: 12663

Ion Ratio Lower Upper

112 100

114 32.6 22.2 41.2

77 57.8 47.4 71.2



#52

Ethylbenzene

Concen: 2.224 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV018690.D

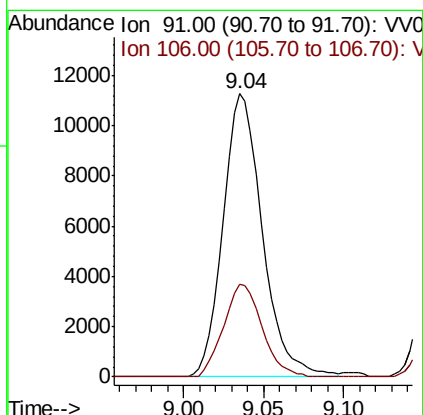
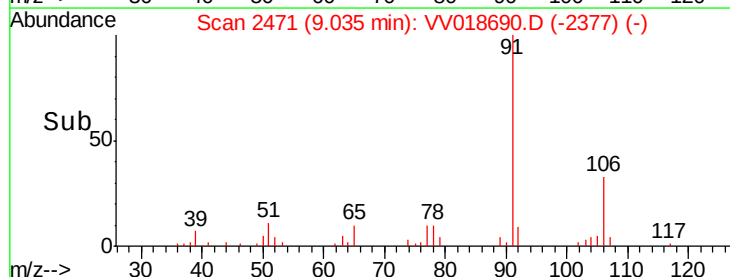
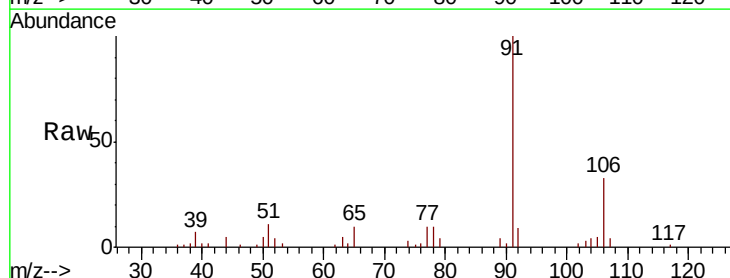
Acq: 06 Oct 2020 13:45

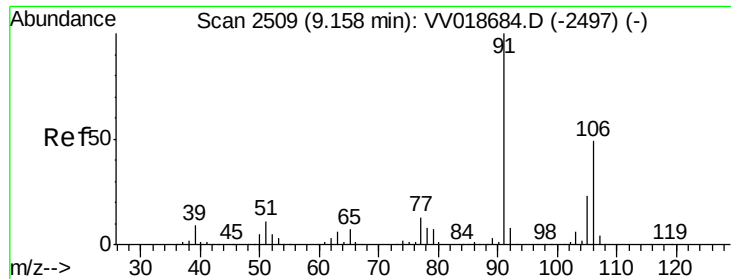
Tgt Ion: 91 Resp: 18930

Ion Ratio Lower Upper

91 100

106 32.8 21.4 39.8





#53

m,p-Xylene

Concen: 2.067 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

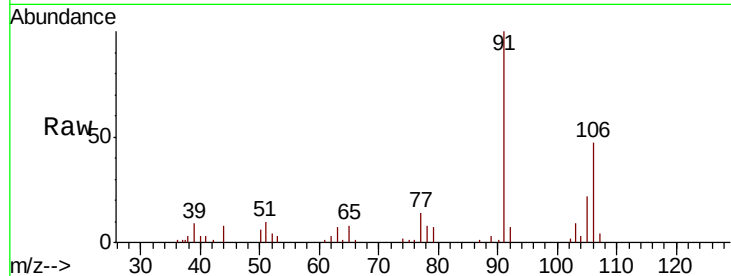
MDL04

Tot Ion:106 Resp: 6571

Ion Ratio Lower Upper

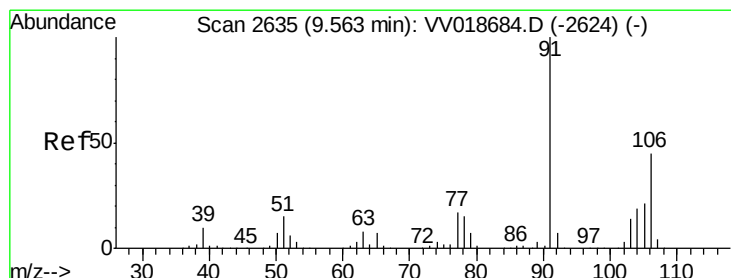
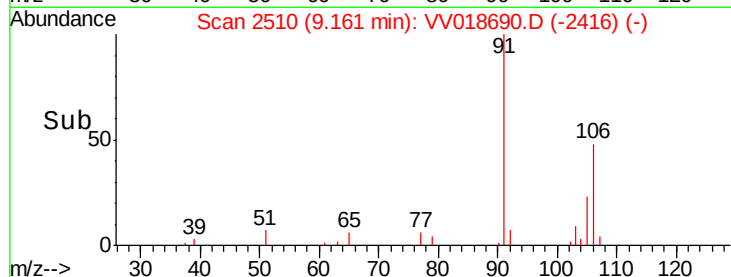
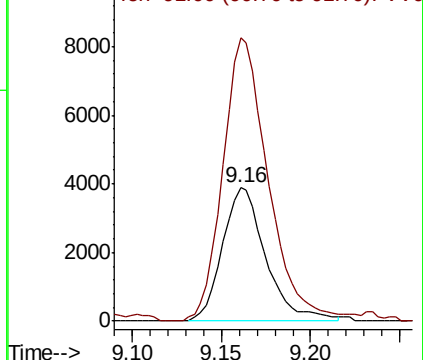
106 100

91 212.7 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 2.190 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV018690.D

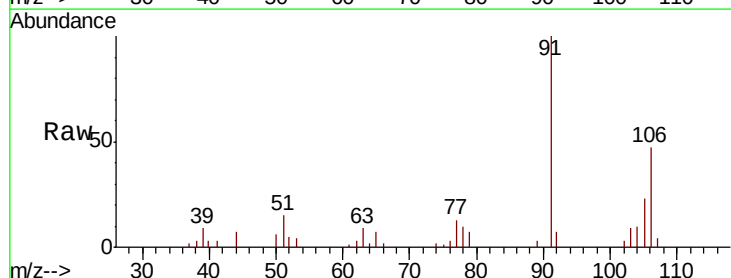
Acq: 06 Oct 2020 13:45

Tgt Ion:106 Resp: 6706

Ion Ratio Lower Upper

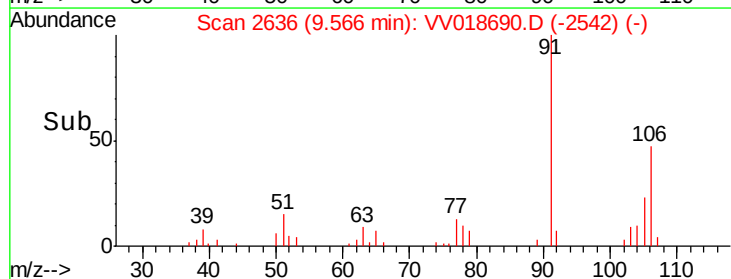
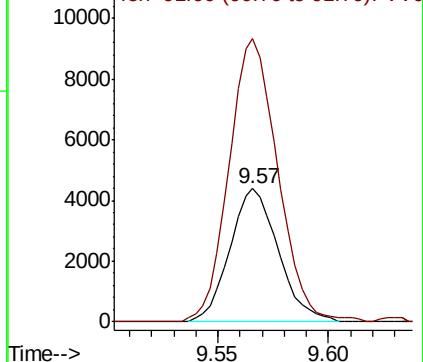
106 100

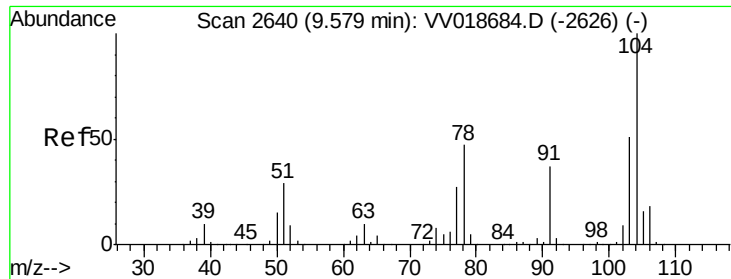
91 211.9 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 1.997 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampled :

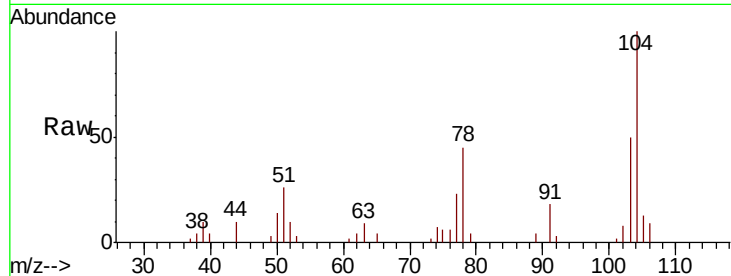
MDL04

Tot Ion:104 Resp: 10700

Ion Ratio Lower Upper

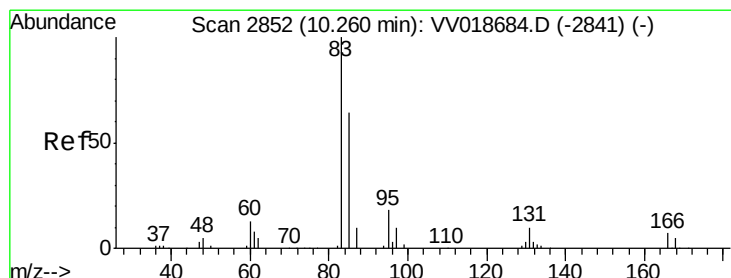
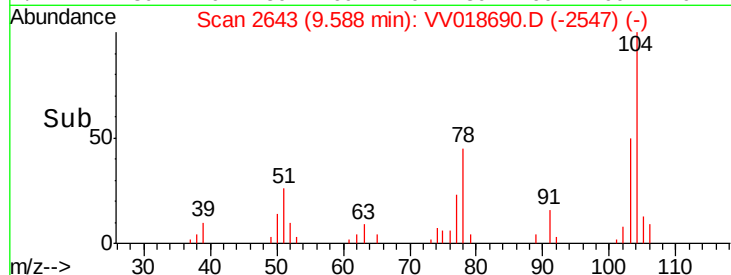
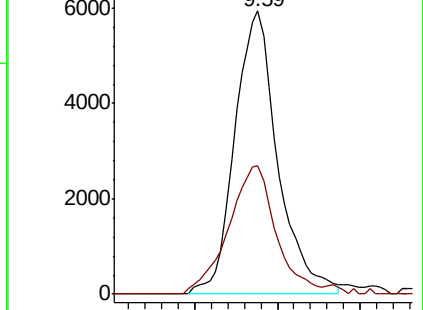
104 100

78 45.4 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): VV018690.D (-2643) (-)

Ion 78.00 (77.70 to 78.70): VV018690.D (-2643) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.182 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

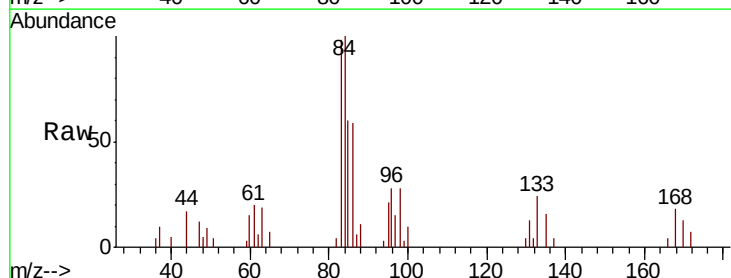
Tgt Ion: 83 Resp: 5840

Ion Ratio Lower Upper

83 100

85 61.1 44.4 82.5

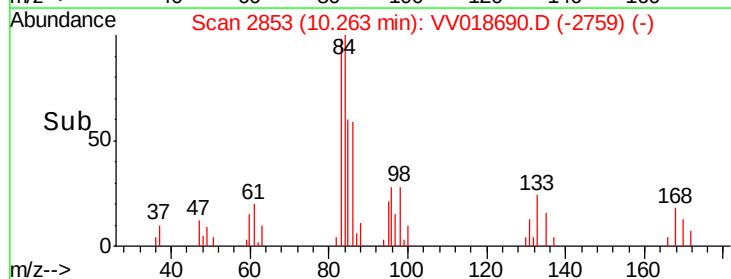
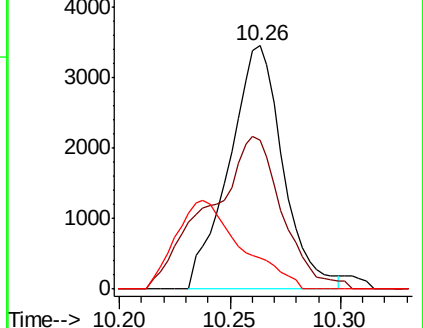
131 13.0 7.8 11.6#

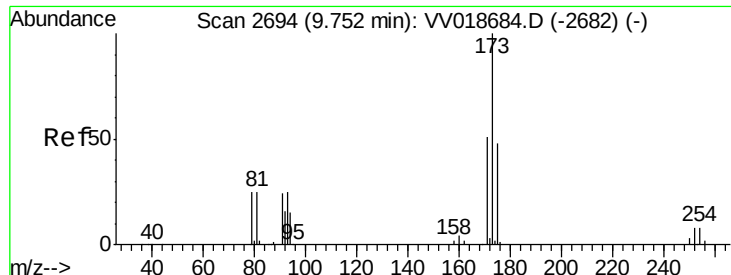


Abundance Ion 83.00 (82.70 to 83.70): VV018690.D (-2852) (-)

Ion 85.00 (84.70 to 85.70): VV018690.D (-2852) (-)

Ion 131.00 (130.70 to 131.70): VV018690.D (-2852) (-)





#59

Bromoform

Concen: 2.414 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

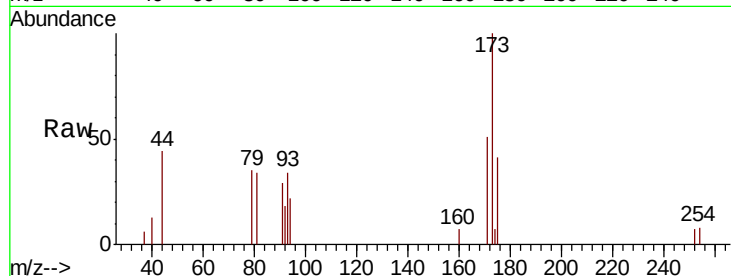
Tot Ion:173 Resp: 2918

Ion Ratio Lower Upper

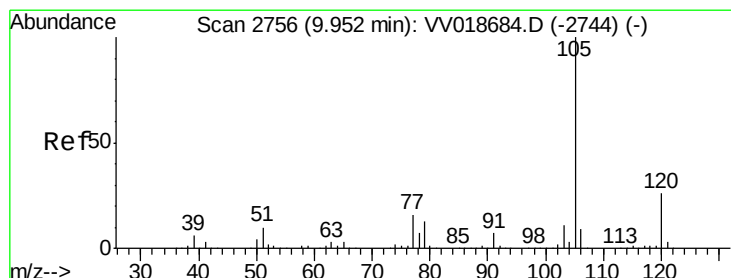
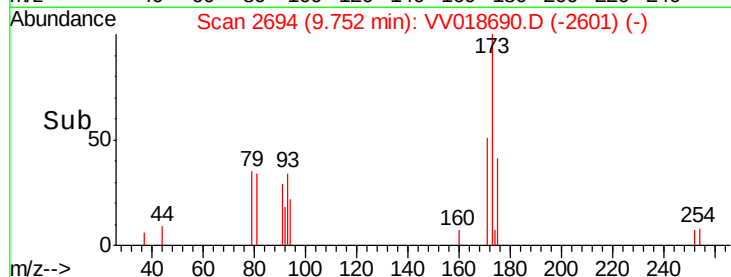
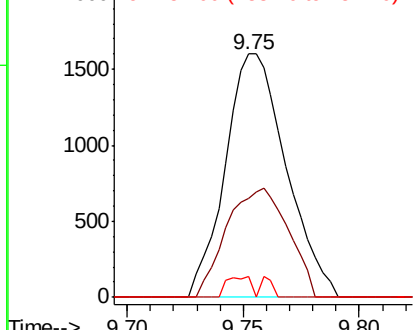
173 100

175 0.0 39.4 59.2#

254 0.9 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: 2.436 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

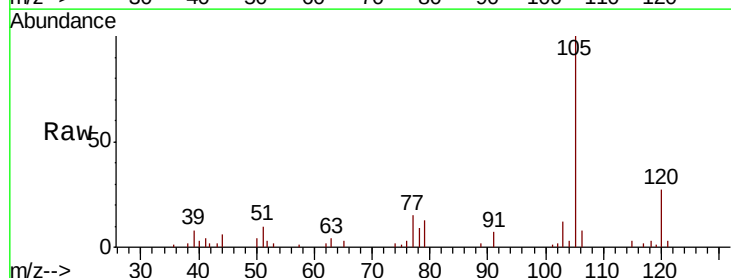
Tgt Ion:105 Resp: 16234

Ion Ratio Lower Upper

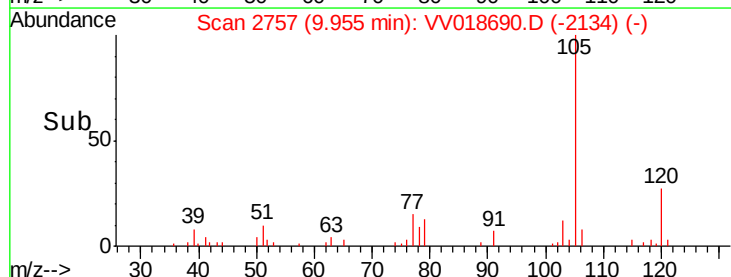
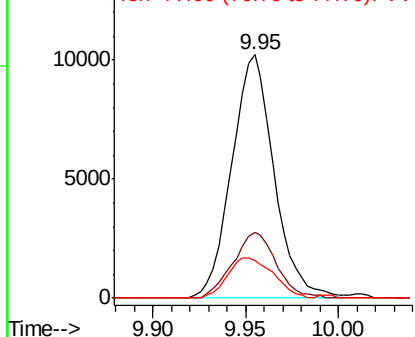
105 100

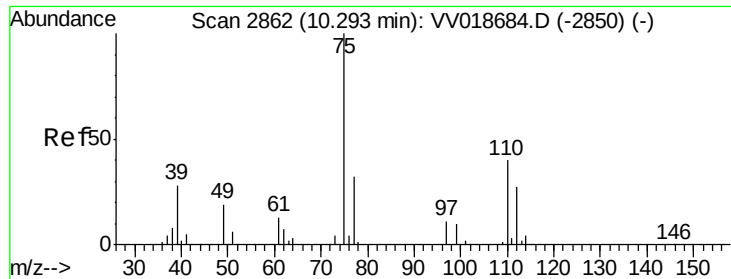
120 27.5 20.8 31.2

77 17.9 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

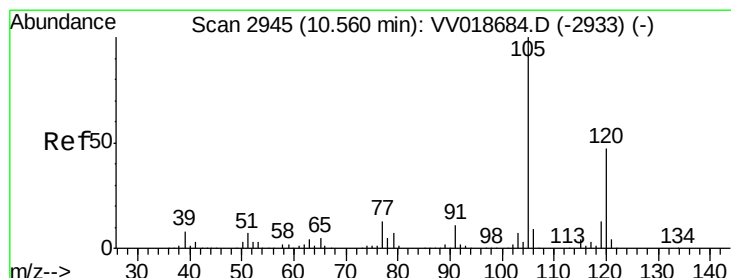
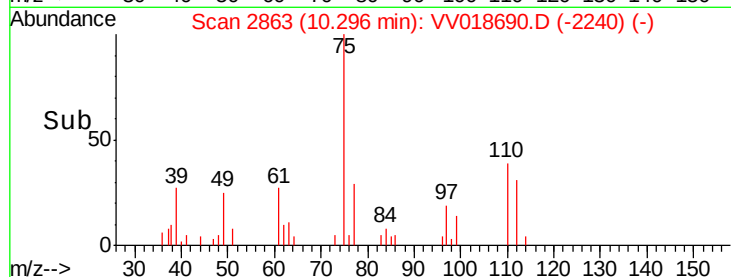
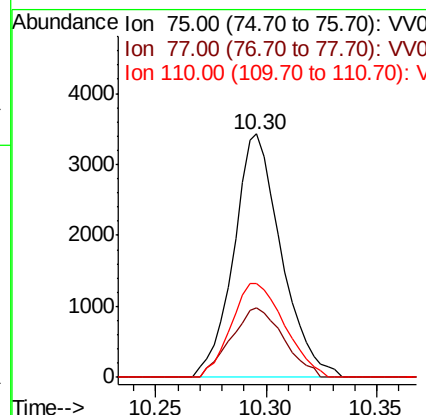
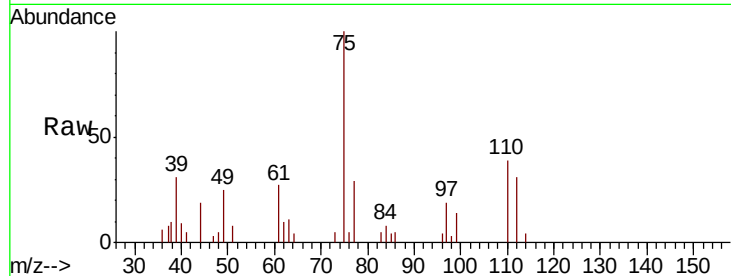




#61
 1,2,3-Trichloropropane
 Concen: 2.730 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

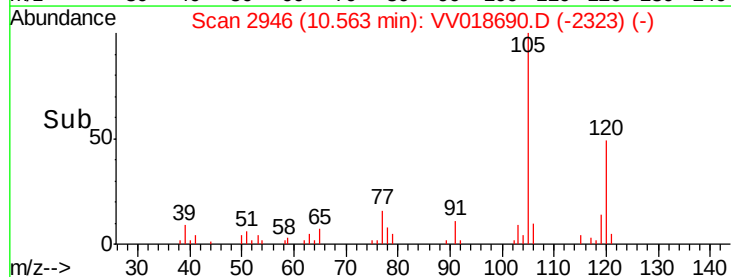
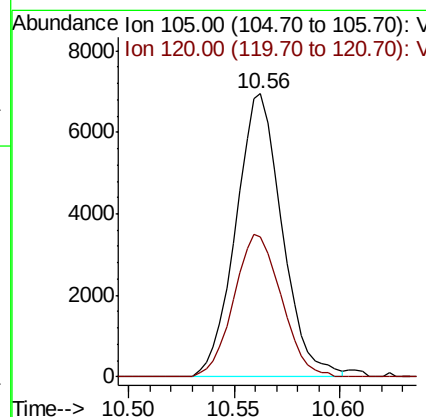
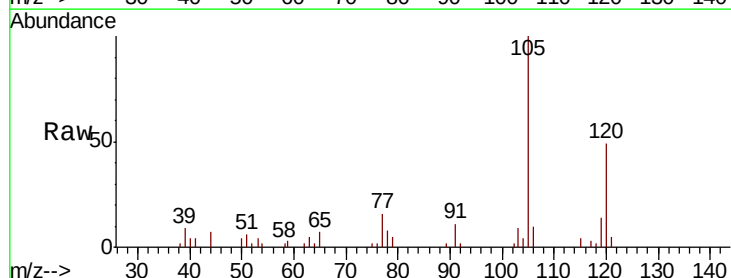
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

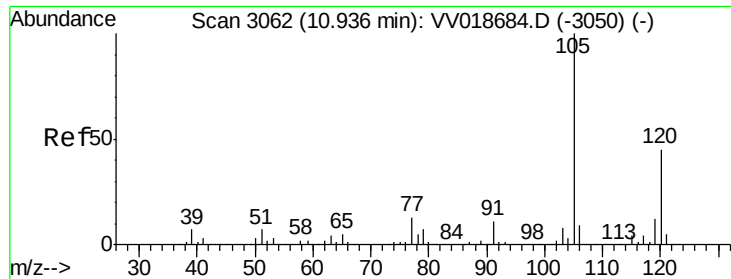
Tot Ion: 75 Resp: 5123
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8
 110 43.3 31.5 47.3



#62
 1,3,5-Trimethylbenzene
 Concen: 1.964 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion: 105 Resp: 10596
 Ion Ratio Lower Upper
 105 100
 120 51.4 39.1 58.7

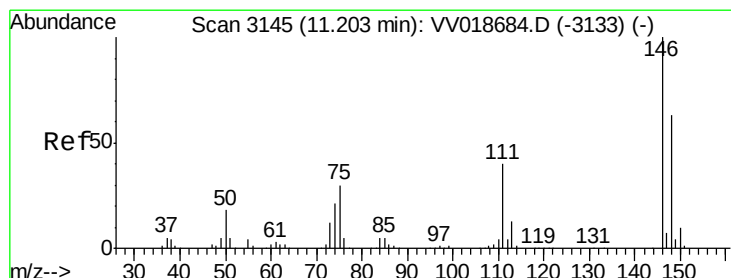
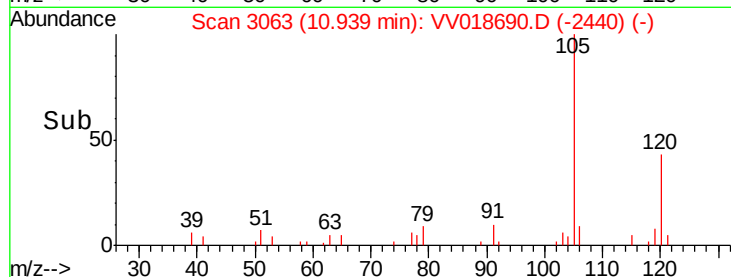
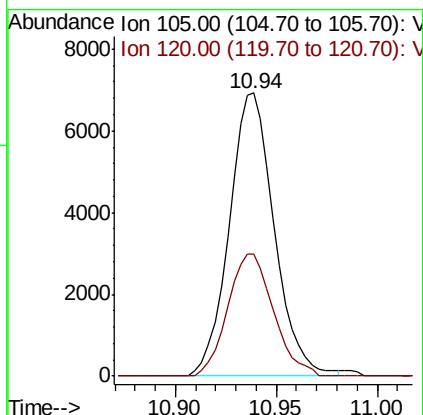
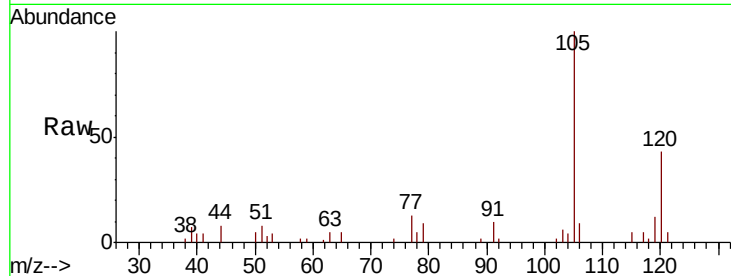




#63
 1,2,4-Trimethylbenzene
 Concen: 1.951 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

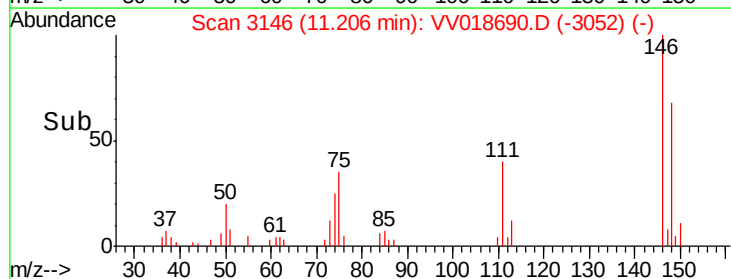
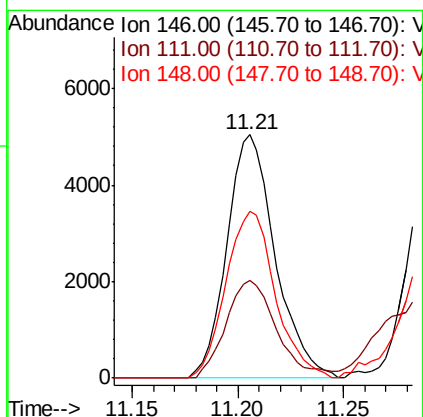
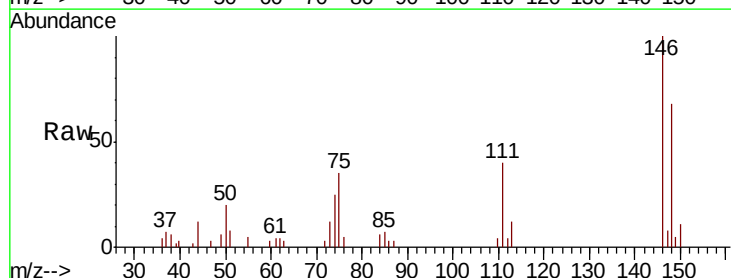
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

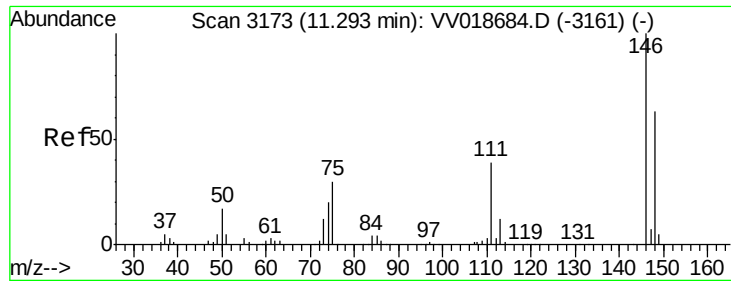
Tot Ion:105 Resp: 10806
 Ion Ratio Lower Upper
 105 100
 120 43.7 36.2 54.2



#64
 1,3-Dichlorobenzene
 Concen: 2.361 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion:146 Resp: 7998
 Ion Ratio Lower Upper
 146 100
 111 40.2 27.6 51.4
 148 68.4 44.2 82.2

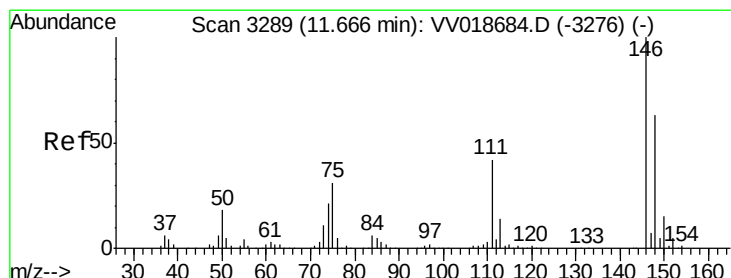
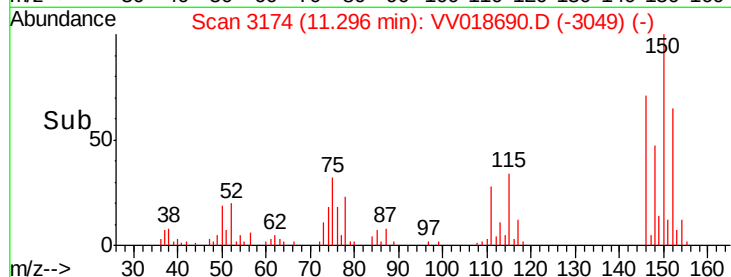
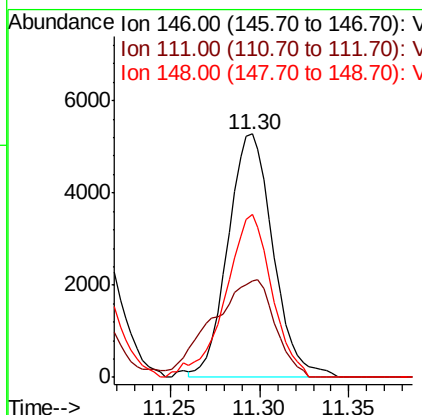
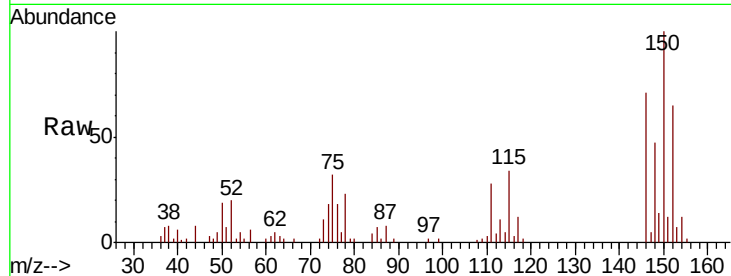




#65
 1,4-Dichlorobenzene
 Concen: 2.626 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

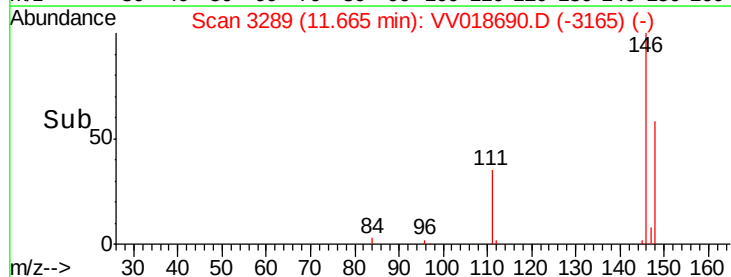
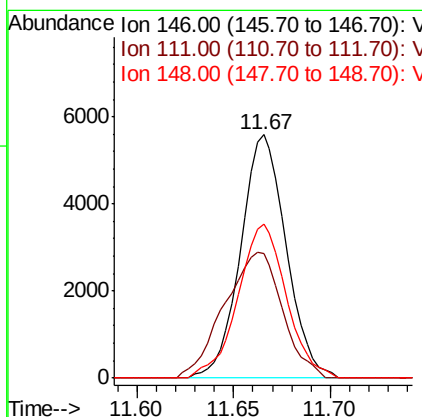
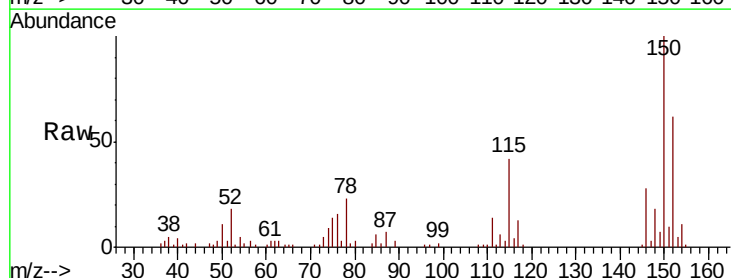
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

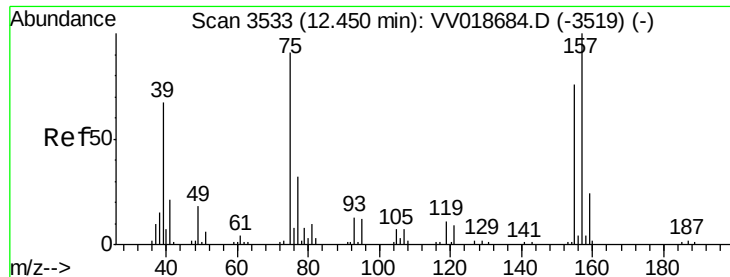
Tot Ion:146 Resp: 9324
 Ion Ratio Lower Upper
 146 100
 111 39.6 26.6 49.4
 148 66.8 44.3 82.3



#67
 1,2-Dichlorobenzene
 Concen: 2.682 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion:146 Resp: 9136
 Ion Ratio Lower Upper
 146 100
 111 51.2 32.6 49.0#
 148 63.4 51.0 76.6





#68

1,2-Dibromo-3-chloropropane

Concen: 2.118 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Instrument :

MSVOA_V

ClientSampleId :

MDL04

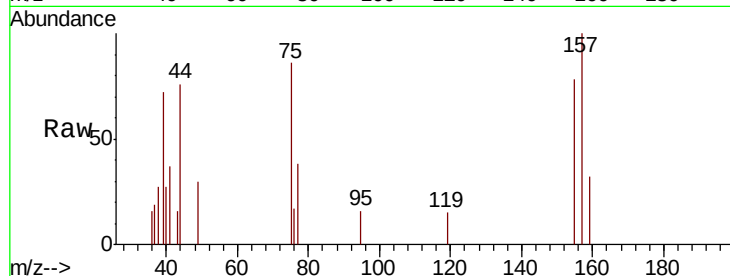
Tot Ion: 75 Resp: 1004

Ion Ratio Lower Upper

75 100

155 89.9 67.6 101.4

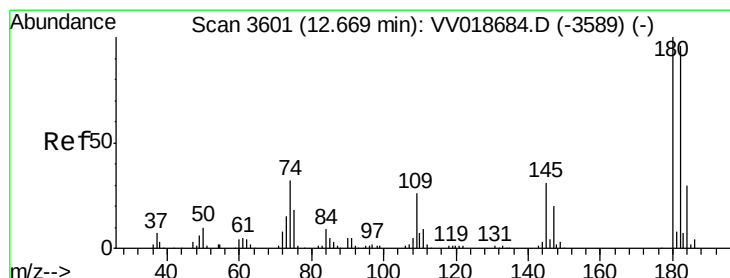
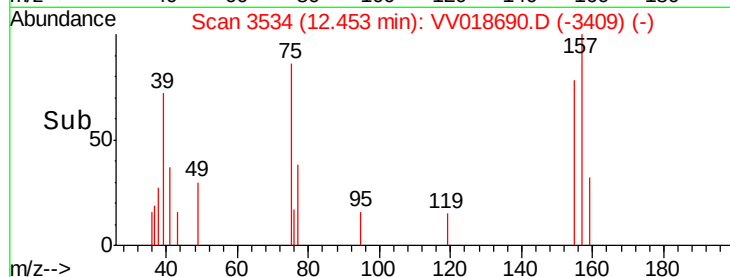
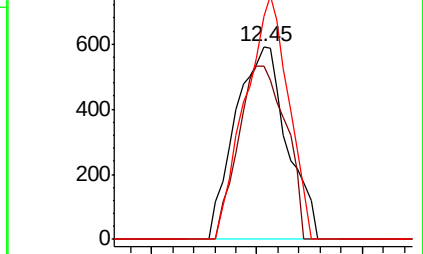
157 115.9 88.7 133.1



Abundance Ion 75.00 (74.70 to 75.70): VV018684.D (-3519) (-)

Ion 155.00 (154.70 to 155.70): VV018684.D (-3519) (-)

Ion 157.00 (156.70 to 157.70): VV018684.D (-3519) (-)



#69

1,3,5-Trichlorobenzene

Concen: 1.932 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV018690.D

Acq: 06 Oct 2020 13:45

Tgt Ion: 180 Resp: 5104

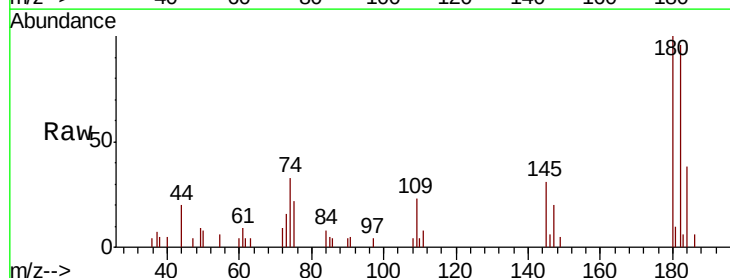
Ion Ratio Lower Upper

180 100

182 95.8 76.6 115.0

184 32.4 24.8 37.2

145 30.0 23.0 34.4

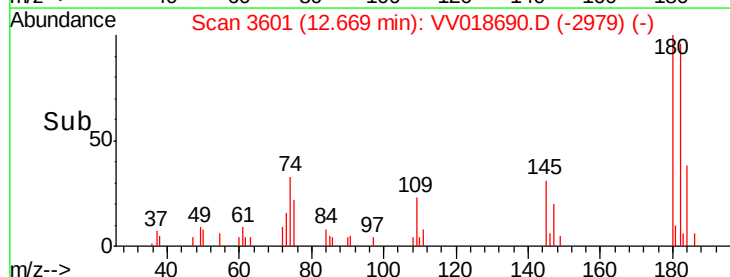
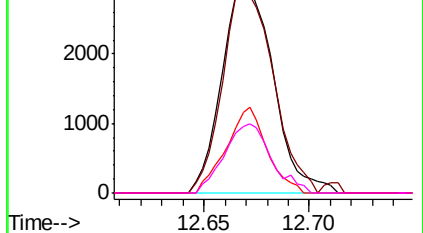


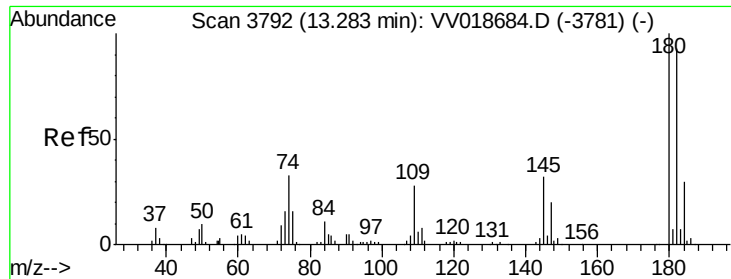
Abundance Ion 180.00 (179.70 to 180.70): VV018684.D (-3589) (-)

Ion 182.00 (181.70 to 182.70): VV018684.D (-3589) (-)

Ion 184.00 (183.70 to 184.70): VV018684.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV018684.D (-3589) (-)

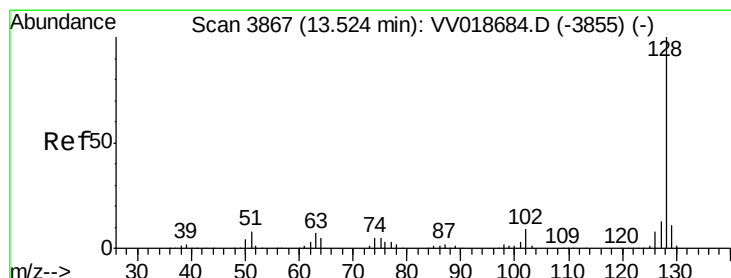
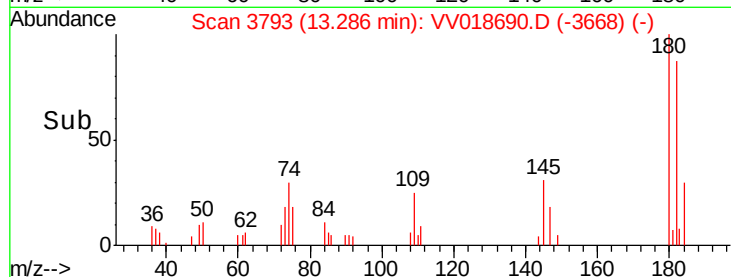
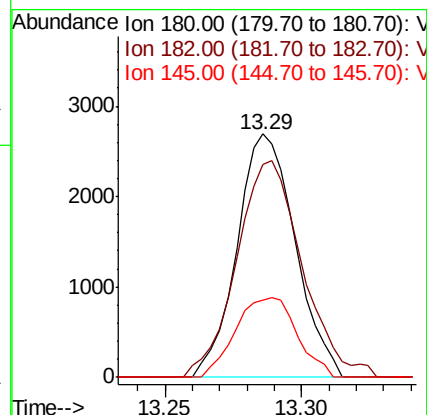
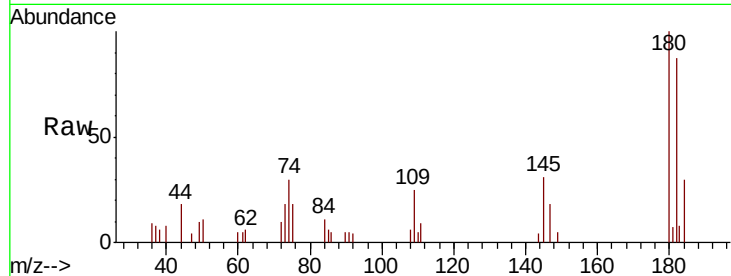




#70
 1,2,4-trichlorobenzene
 Concen: 1.683 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

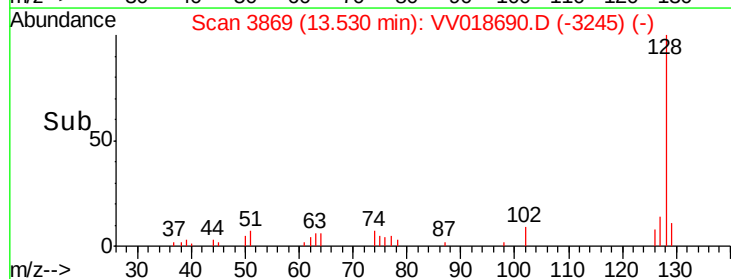
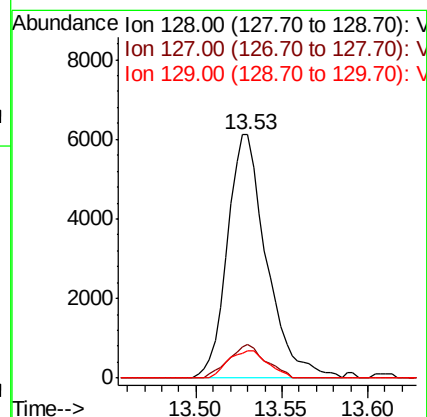
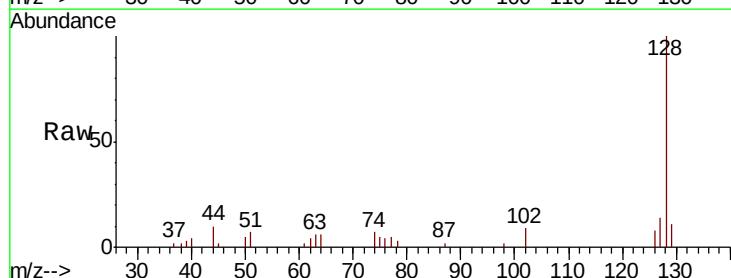
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

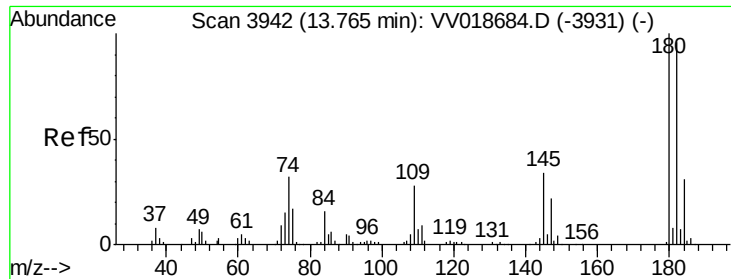
Tot Ion:180 Resp: 3984
 Ion Ratio Lower Upper
 180 100
 182 98.9 75.8 113.6
 145 34.4 23.0 34.4



#71
 Naphthalene
 Concen: 1.585 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Tgt Ion:128 Resp: 9729
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 11.4 8.7 13.1

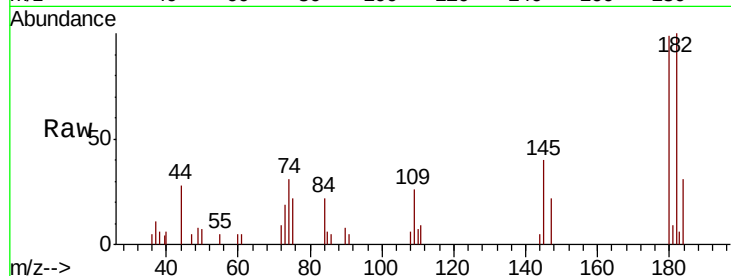




#72
 1,2,3-Trichlorobenzene
 Concen: 1.731 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV018690.D
 Acq: 06 Oct 2020 13:45

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:180 Resp: 4118
 Ion Ratio Lower Upper
 180 100
 182 93.6 77.1 115.7
 145 34.9 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

