

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017609.D
 Acq On : 23 Jul 2020 17:26
 Operator : SY/MD
 Sample : MDL04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: Jul 24 01:55:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 24 01:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	188128	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	181071	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	89469	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	46492	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.58	69	36156	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.12	63	76377	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	3.95	46	106826	49.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.42%
24) Chloroform-d	4.38	84	105974	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.06	65	58644	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.07	84	198917	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.09	67	56757	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.34	98	185615	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
45) trans-1,3-Dichloropropene-	7.65	79	24204	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
48) 2-Hexanone-d5	8.11	63	73080	46.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.80%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38211	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	71441	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5552	0.269 ug/L	95
3) Chloromethane	1.25	50	4135	0.308 ug/L	94
5) Vinyl chloride	1.32	62	4134	0.308 ug/L #	77
6) Bromomethane	1.53	94	2649	0.307 ug/L	96
8) Chloroethane	1.60	64	2508	0.323 ug/L	95
9) Trichlorofluoromethane	1.76	101	6740	0.280 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3986	0.355 ug/L	90
12) 1,1-Dichloroethene	2.14	96	3505	0.346 ug/L #	1
14) Carbon disulfide	2.31	76	8746	0.284 ug/L	99
15) Methyl Acetate	2.46	43	1684	0.514 ug/L #	76
16) Methylene chloride	2.52	84	5115	0.454 ug/L	80
17) Methyl tert-butyl Ether	2.79	73	7619	0.293 ug/L #	85
18) trans-1,2-Dichloroethene	2.78	96	3315	0.300 ug/L	95
19) 1,1-Dichloroethane	3.21	63	6463	0.278 ug/L	97
21) 2-Butanone	4.03	43	2490	0.877 ug/L	98
22) cis-1,2-Dichloroethene	3.93	96	3790	0.273 ug/L	92
23) Bromochloromethane	4.28	128	1841	0.287 ug/L #	95

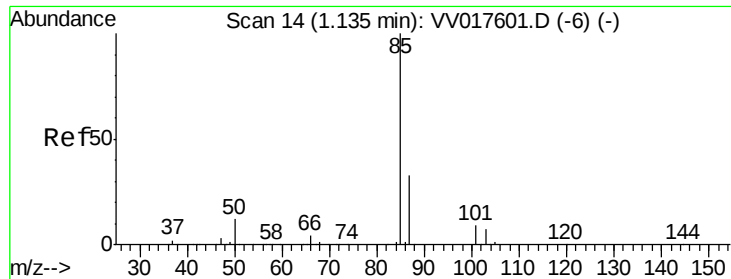
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	8222	0.316	ug/L	92
27) 1,2-Dichloroethane	5.16	62	5111	0.303	ug/L	97
29) 1,1,1-Trichloroethane	4.64	97	6943	0.274	ug/L	94
30) Cyclohexane	4.69	56	4838	0.241	ug/L #	83
31) Carbon tetrachloride	4.85	117	5987	0.266	ug/L	94
33) Benzene	5.13	78	13710	0.267	ug/L	100
34) Trichloroethene	5.94	95	4151	0.290	ug/L	93
35) Methylcyclohexane	6.15	83	4978	0.230	ug/L #	86
37) 1,2-Dichloropropane	6.20	63	3159	0.262	ug/L #	92
38) Bromodichloromethane	6.54	83	4748	0.268	ug/L #	94
39) cis-1,3-Dichloropropene	7.05	75	5056	0.278	ug/L	93
40) 4-Methyl-2-pentanone	7.26	43	16408	2.484	ug/L #	87
42) Toluene	7.41	91	14486	0.259	ug/L	92
43) 1,3,5-Trimethylbenzene	10.56	105	11031	0.211	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	10613	0.199	ug/L	97
46) trans-1,3-Dichloropropene	7.68	75	4361	0.267	ug/L	93
47) 1,1,2-Trichloroethane	7.87	97	2554	0.280	ug/L	93
49) Tetrachloroethene	8.00	164	3449	0.273	ug/L	87
50) 2-Hexanone	8.17	43	16417	3.513	ug/L	98
51) Dibromochloromethane	8.27	129	3363	0.289	ug/L	99
52) 1,2-Dibromoethane	8.38	107	2509	0.291	ug/L #	97
53) Chlorobenzene	8.90	112	10307	0.277	ug/L	90
54) Ethylbenzene	9.04	91	15133	0.242	ug/L	96
55) m,p-xylene	9.16	106	6153	0.261	ug/L	96
56) o-xylene	9.57	106	5543	0.242	ug/L	87
57) Styrene	9.59	104	9253	0.242	ug/L	81
58) Isopropylbenzene	9.95	105	14935	0.237	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.26	83	2719	0.273	ug/L #	97
62) Bromoform	9.76	173	1655	0.289	ug/L #	95
63) 1,3-Dichlorobenzene	11.21	146	7795	0.271	ug/L	95
64) 1,4-Dichlorobenzene	11.30	146	8809	0.305	ug/L	96
66) 1,2-Dichlorobenzene	11.67	146	7986	0.304	ug/L	94
68) 1,3,5-Trichlorobenzene	12.67	180	6393	0.273	ug/L	97
69) 1,2,4-trichlorobenzene	13.29	180	5532	0.283	ug/L	94
70) Naphthalene	13.53	128	6347	0.233	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	4452	0.257	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.269 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

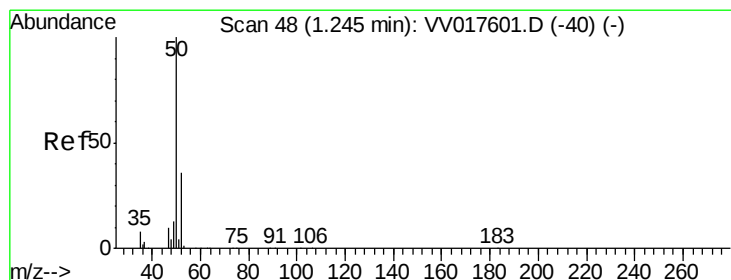
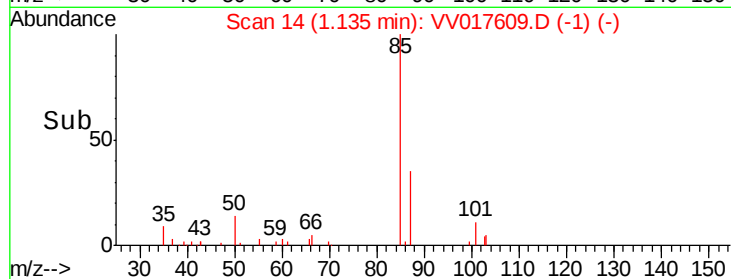
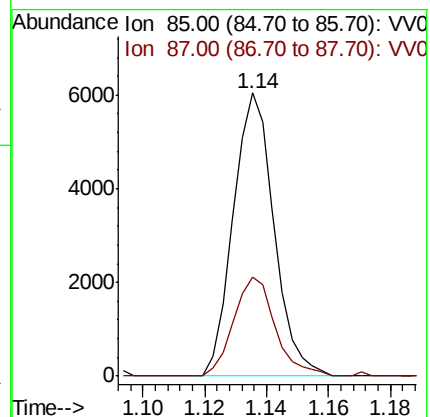
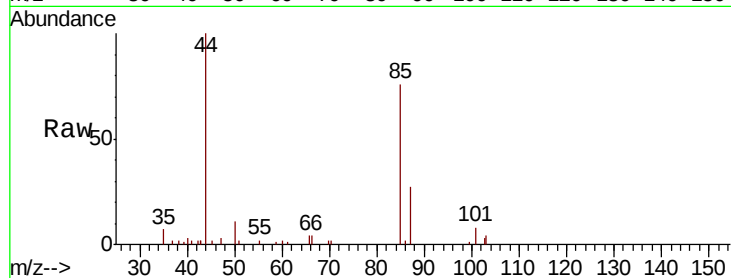
MDL04

Tot Ion: 85 Resp: 5552

Ion Ratio Lower Upper

85 100

87 35.7 26.4 39.6



#3

Chloromethane

Concen: 0.308 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017609.D

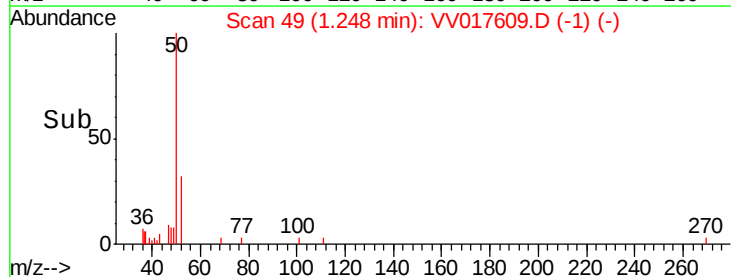
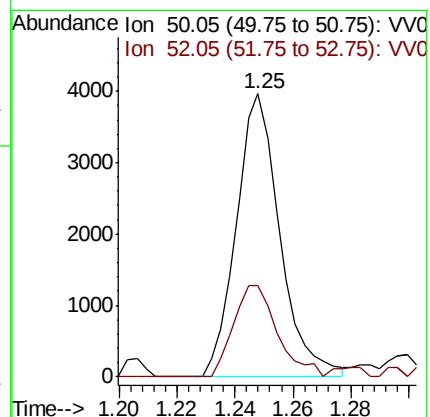
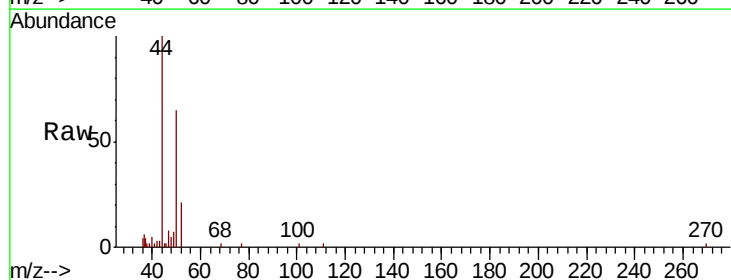
Acq: 23 Jul 2020 17:26

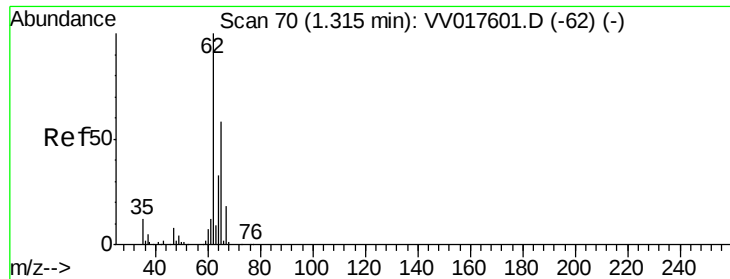
Tgt Ion: 50 Resp: 4135

Ion Ratio Lower Upper

50 100

52 32.1 25.1 46.5





#5

Vinyl chloride

Concen: 0.308 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

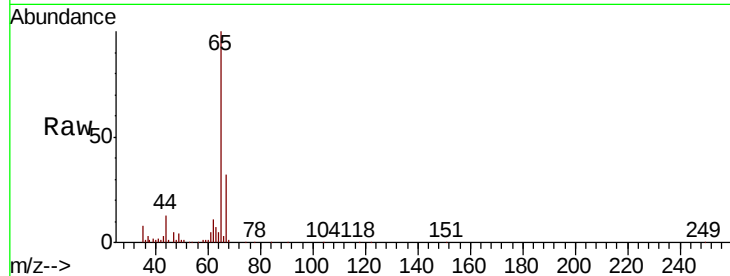
MDL04

Tot Ion: 62 Resp: 4134

Ion Ratio Lower Upper

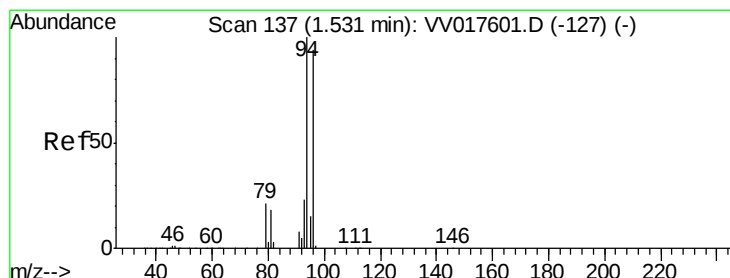
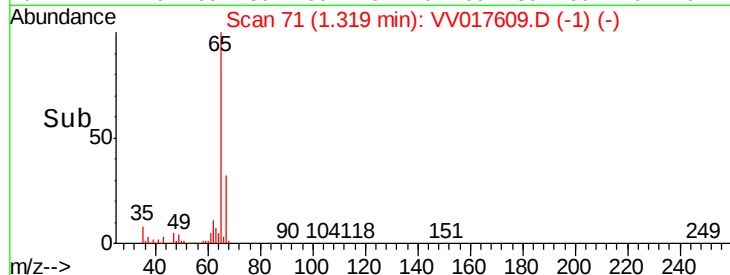
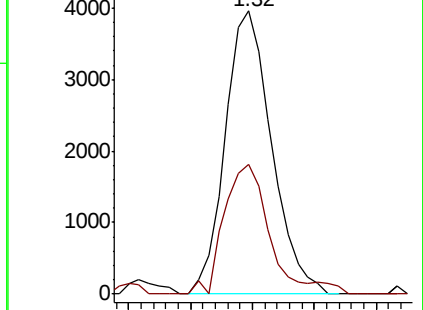
62 100

64 45.9 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.307 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017609.D

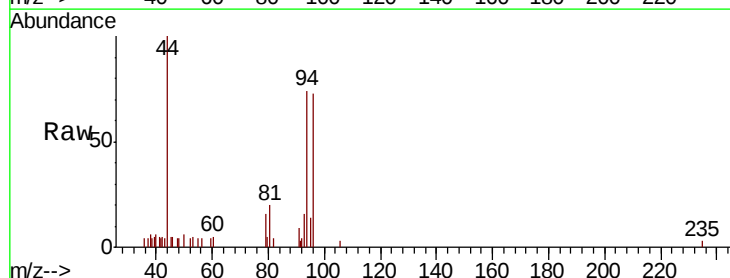
Acq: 23 Jul 2020 17:26

Tgt Ion: 94 Resp: 2649

Ion Ratio Lower Upper

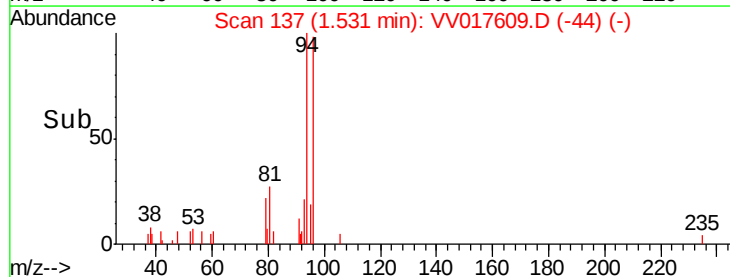
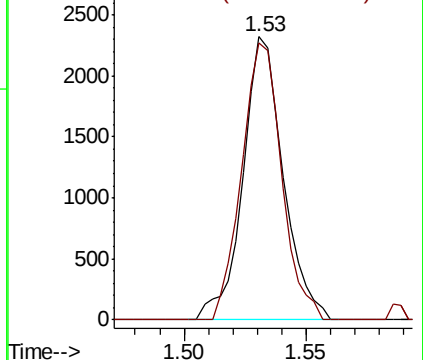
94 100

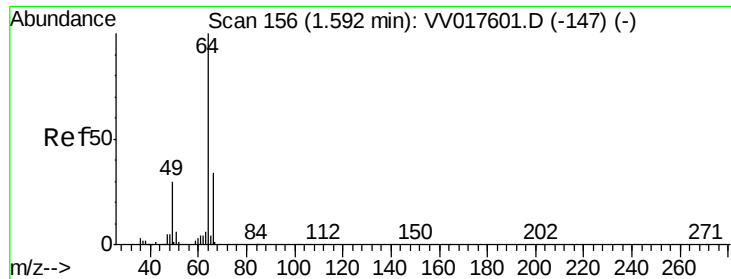
96 98.0 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.323 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

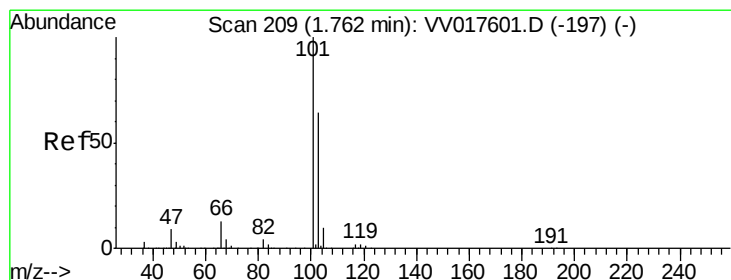
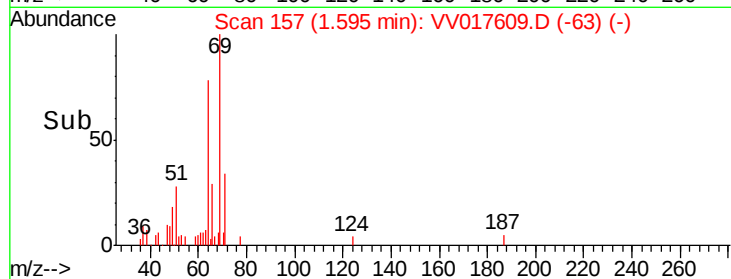
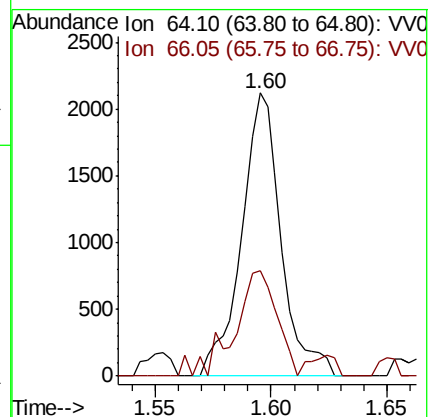
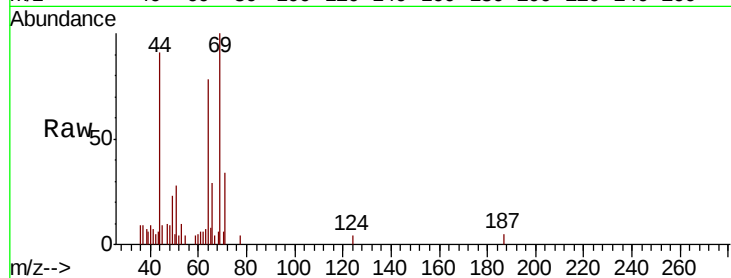
MDL04

Tot Ion: 64 Resp: 2508

Ion Ratio Lower Upper

64 100

66 37.4 24.0 44.6



#9

Trichlorofluoromethane

Concen: 0.280 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017609.D

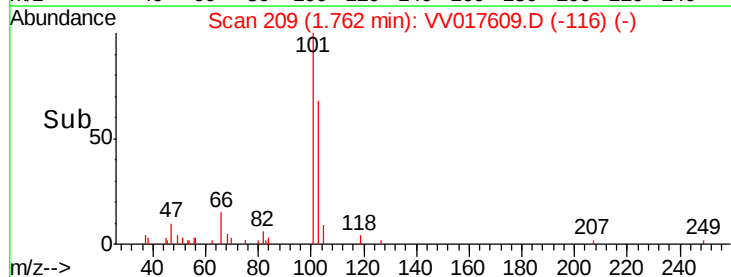
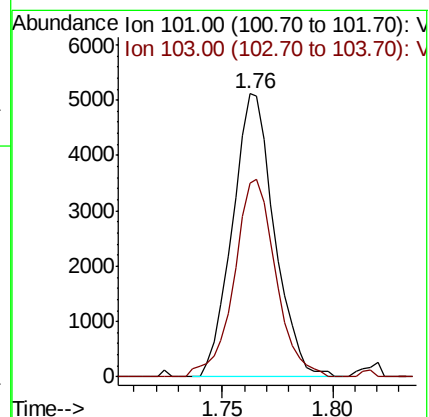
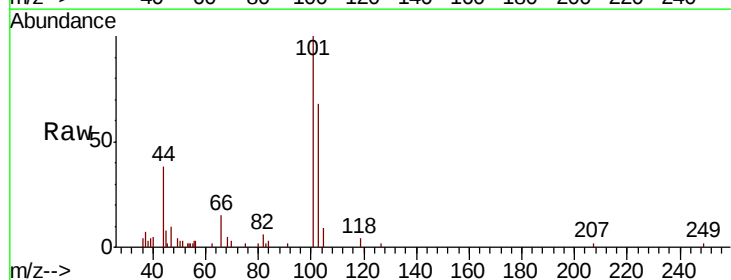
Acq: 23 Jul 2020 17:26

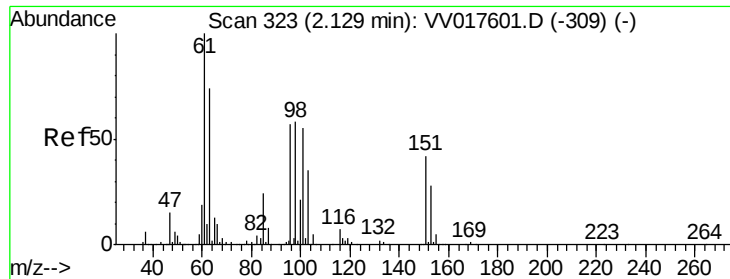
Tgt Ion: 101 Resp: 6740

Ion Ratio Lower Upper

101 100

103 69.4 51.7 77.5





#10

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

Concen: 0.355 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

MDL04

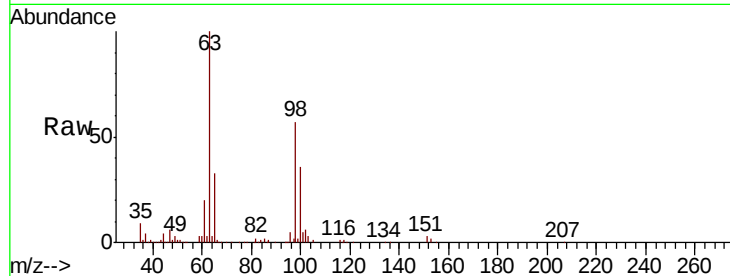
Tot Ion:101 Resp: 3986

Ion Ratio Lower Upper

101 100

85 39.5 34.6 51.8

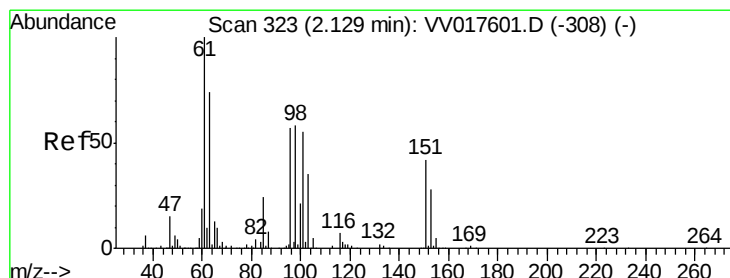
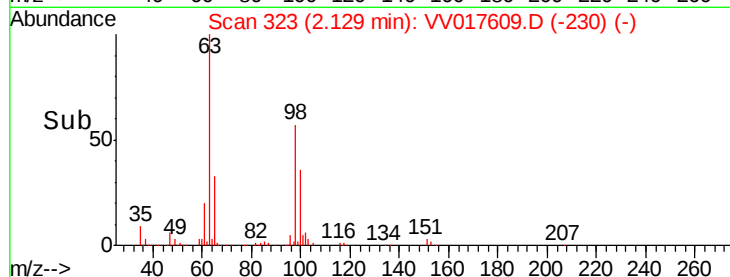
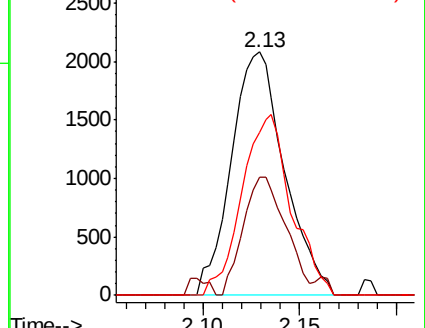
151 69.0 63.5 95.3



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: 0.346 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

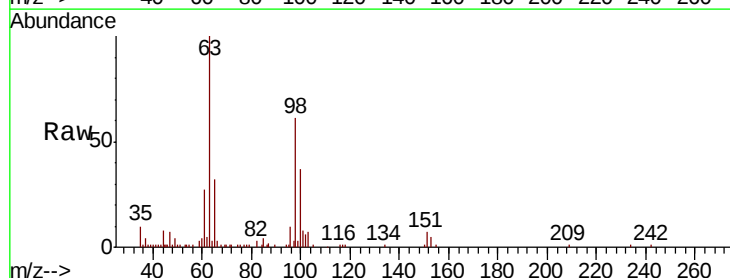
Tgt Ion: 96 Resp: 3505

Ion Ratio Lower Upper

96 100

61 278.0 123.1 228.7#

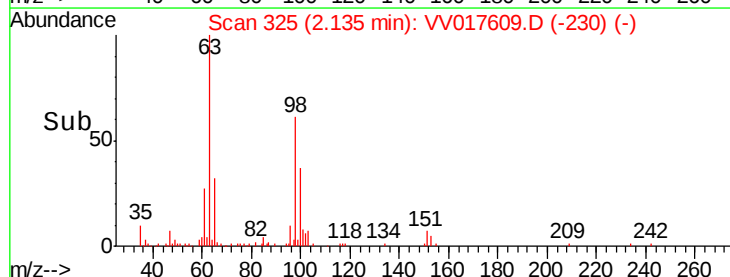
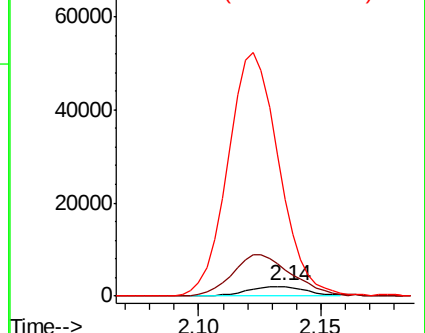
63 1032.4 91.2 169.4#

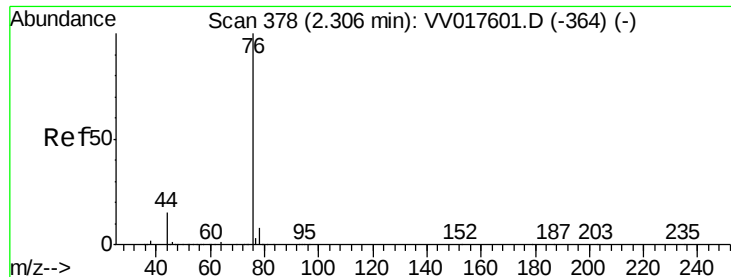


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.284 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

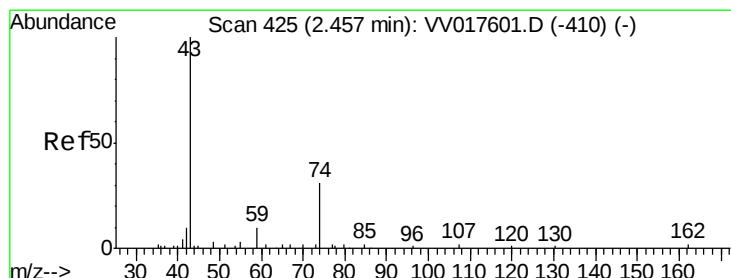
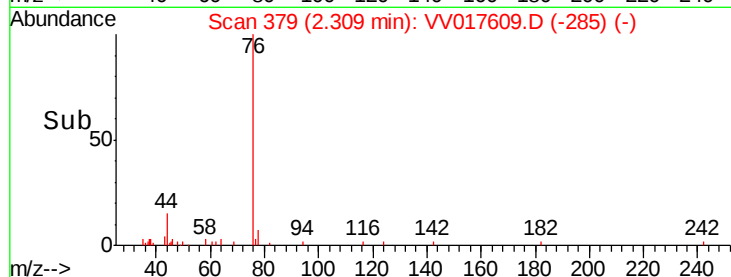
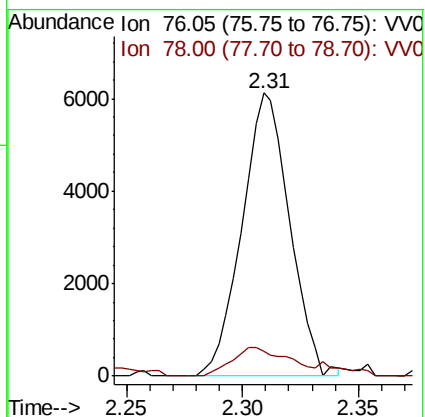
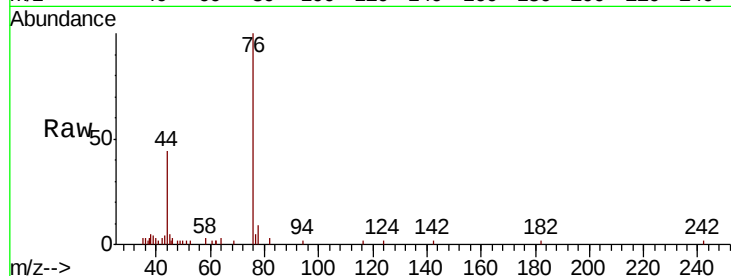
MDL04

Tot Ion: 76 Resp: 8746

Ion Ratio Lower Upper

76 100

78 8.8 6.6 10.0



#15

Methyl Acetate

Concen: 0.514 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VV017609.D

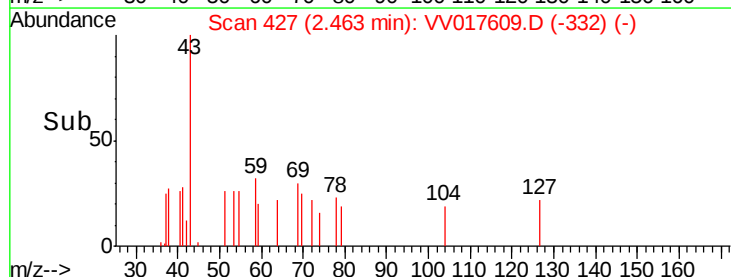
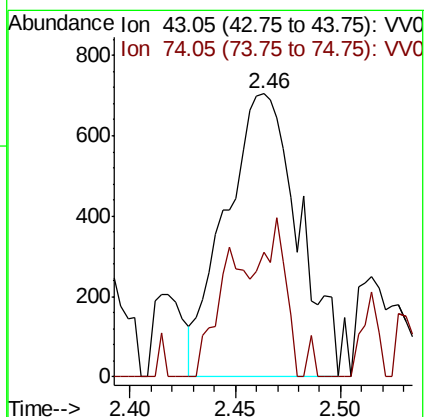
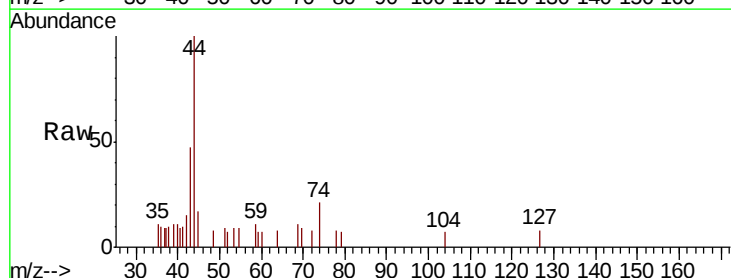
Acq: 23 Jul 2020 17:26

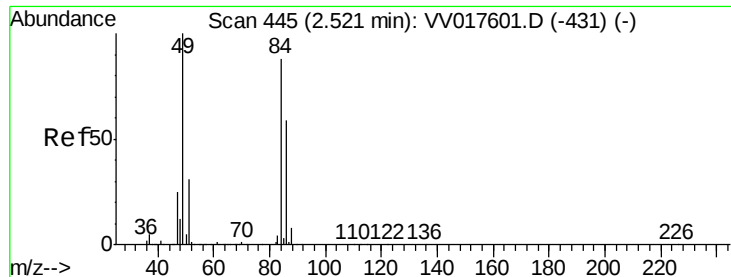
Tgt Ion: 43 Resp: 1684

Ion Ratio Lower Upper

43 100

74 19.4 26.6 40.0#

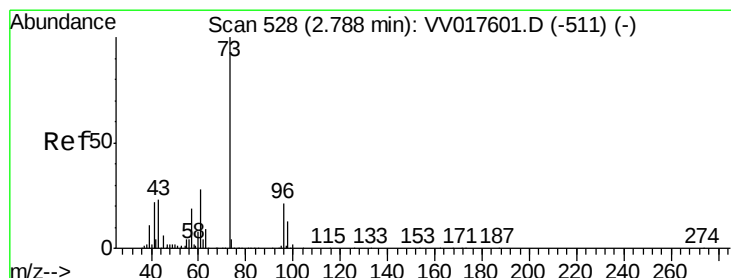
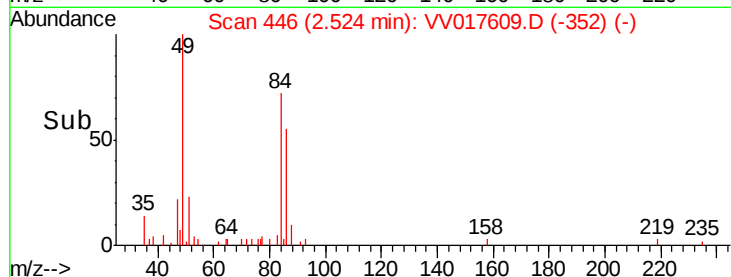
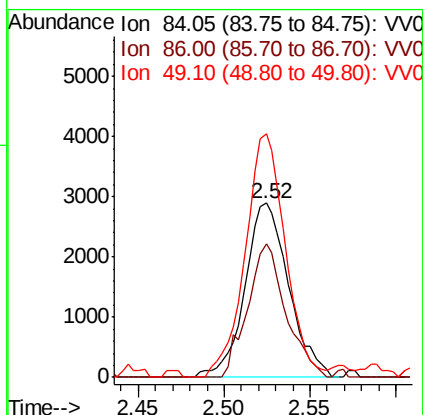
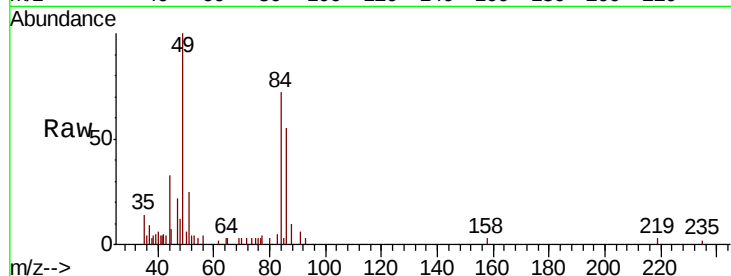




#16
Methylene chloride
Concen: 0.454 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

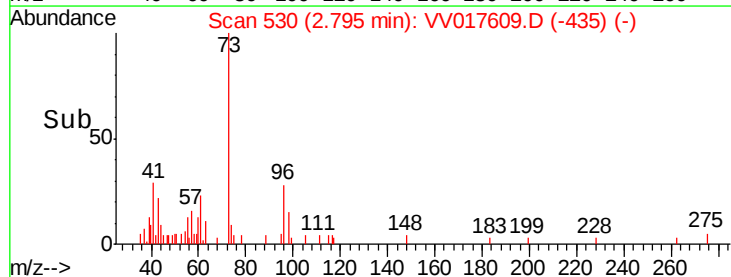
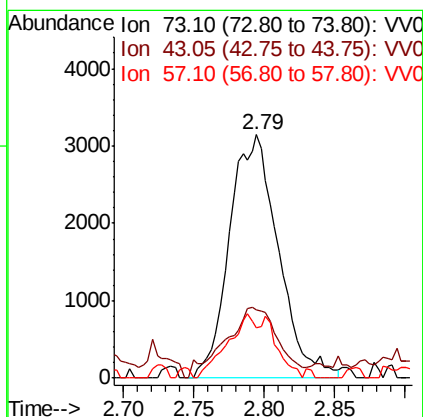
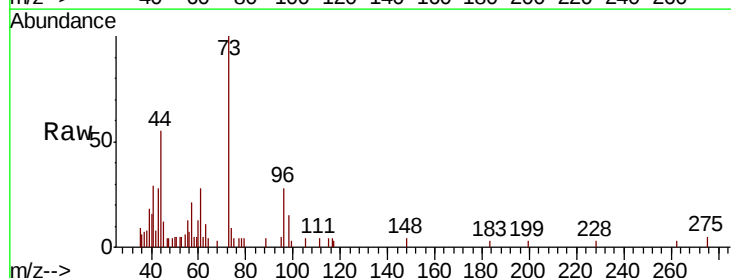
Instrument :
MSVOA_V
ClientSampled :
MDL04

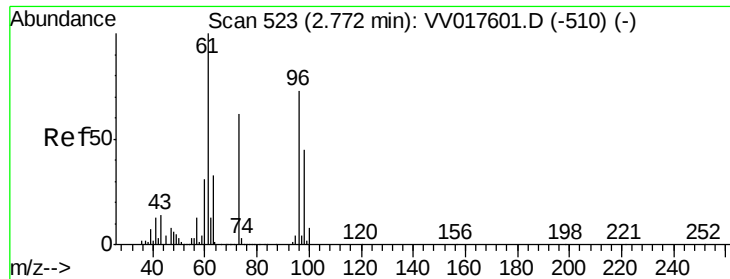
Tot Ion: 84 Resp: 5115
Ion Ratio Lower Upper
84 100
86 76.2 46.5 86.3
49 139.6 79.2 147.2



#17
Methyl tert-butyl Ether
Concen: 0.293 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

Tgt Ion: 73 Resp: 7619
Ion Ratio Lower Upper
73 100
43 31.6 18.3 27.5#
57 15.4 16.7 25.1#

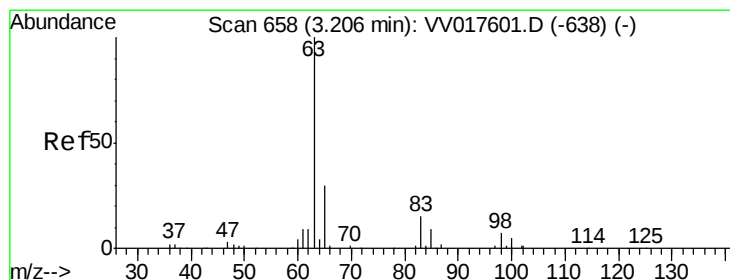
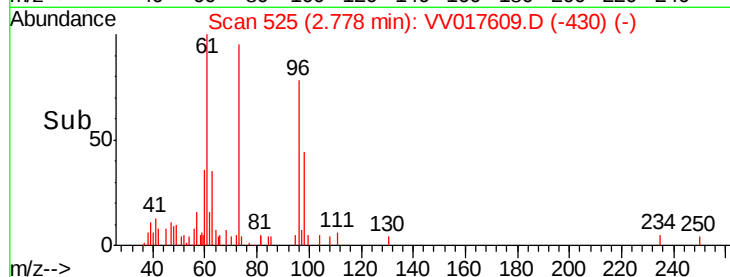
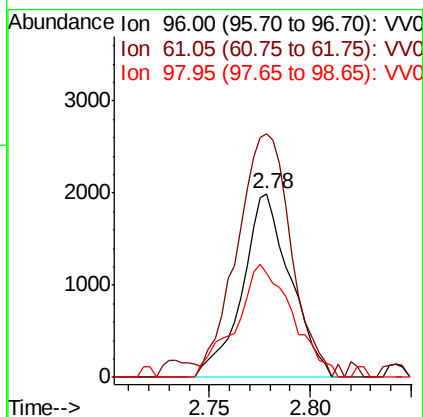
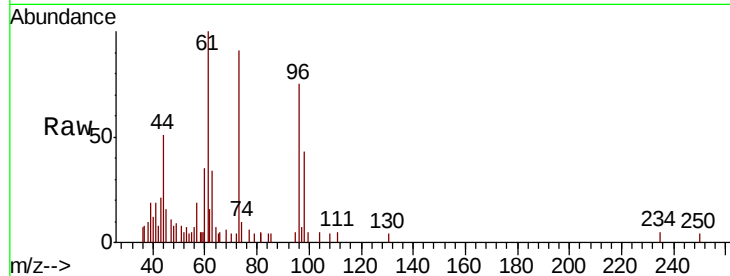




#18
trans-1,2-Dichloroethene
Concen: 0.300 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

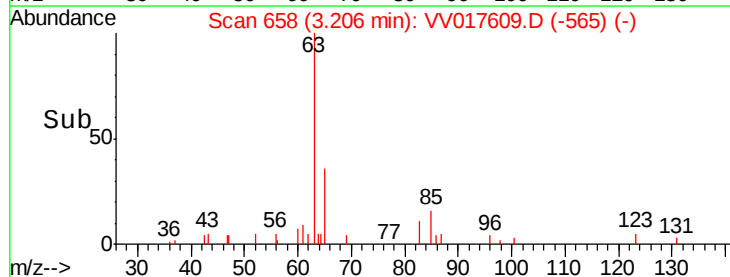
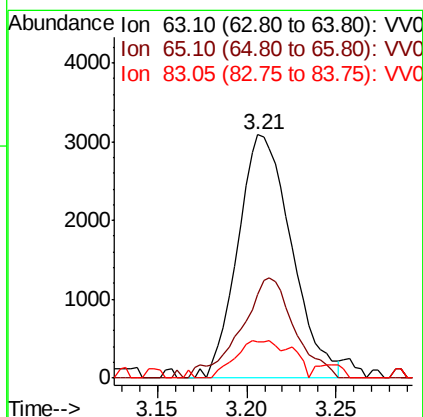
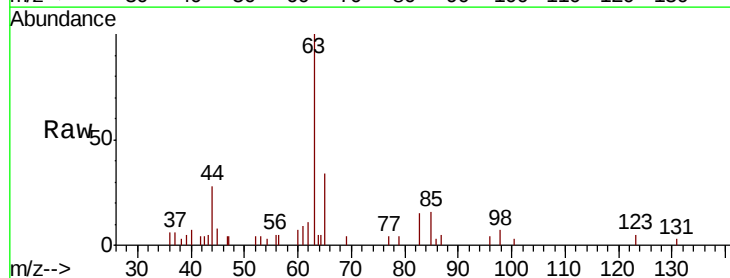
Instrument :
MSVOA_V
ClientSampleId :
MDL04

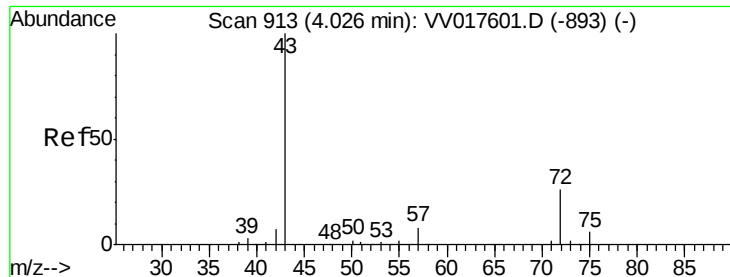
Tot Ion: 96 Resp: 3315
Ion Ratio Lower Upper
96 100
61 132.6 96.0 178.4
98 56.6 43.5 80.9



#19
1,1-Dichloroethane
Concen: 0.278 ug/L
RT: 3.21 min Scan# 658
Delta R.T. -0.00 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

Tgt Ion: 63 Resp: 6463
Ion Ratio Lower Upper
63 100
65 32.8 21.4 39.8
83 14.0 10.4 19.4





#21

2-Butanone

Concen: 0.877 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

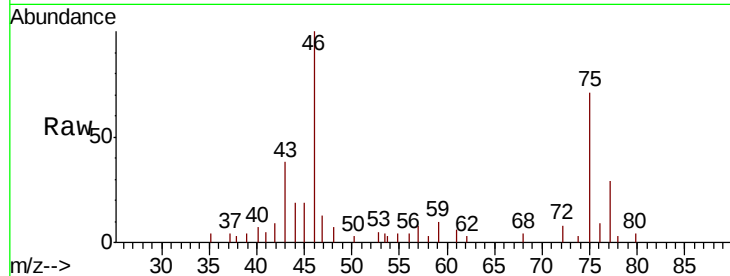
MDL04

Tot Ion: 43 Resp: 2490

Ion Ratio Lower Upper

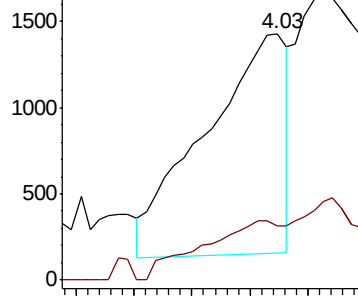
43 100

72 25.0 13.0 38.9

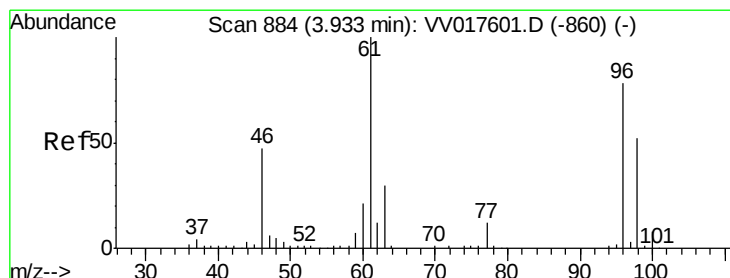
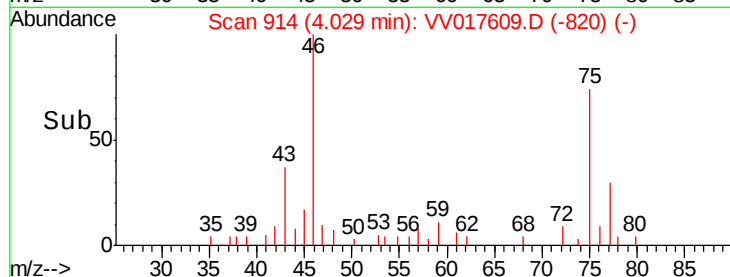


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.273 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

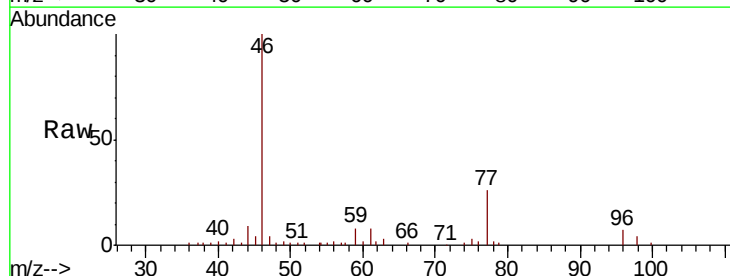
Tgt Ion: 96 Resp: 3790

Ion Ratio Lower Upper

96 100

61 119.0 89.6 166.4

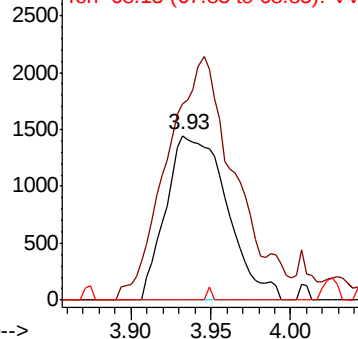
68 0.0 0.0 0.0



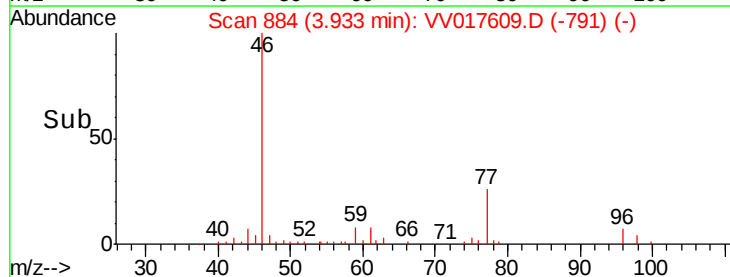
Abundance Ion 96.00 (95.70 to 96.70): VV0

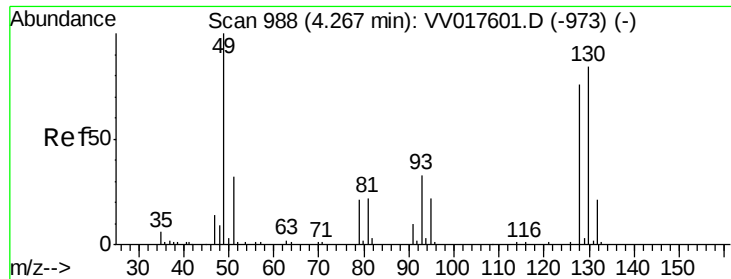
Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



Time-->





#23

Bromochloromethane

Concen: 0.287 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:128 Resp: 1841

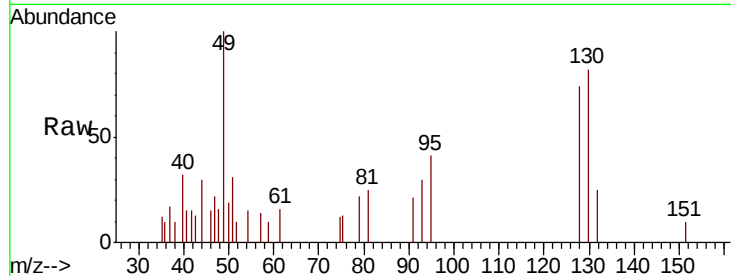
Ion Ratio Lower Upper

128 100

49 135.8 92.2 171.2

130 110.8 77.2 143.4

51 55.7 33.8 50.6#

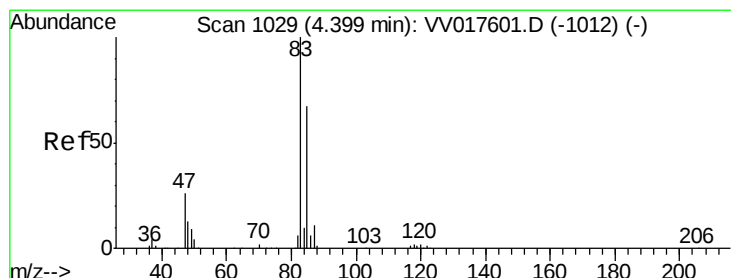
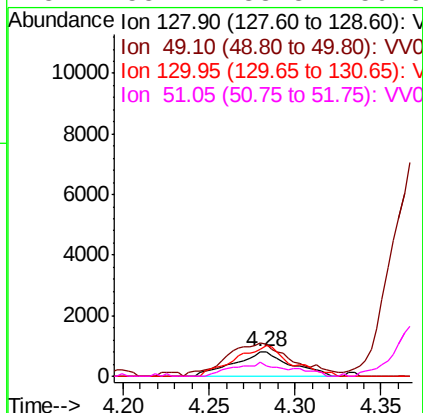
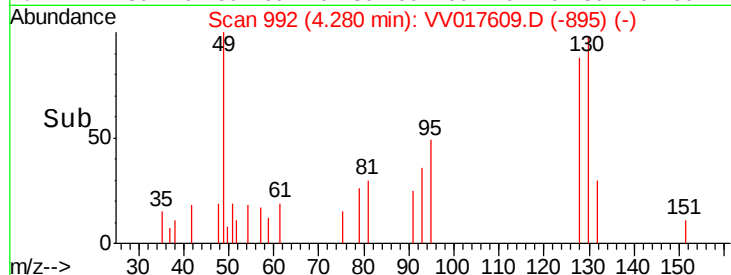


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 0.316 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017609.D

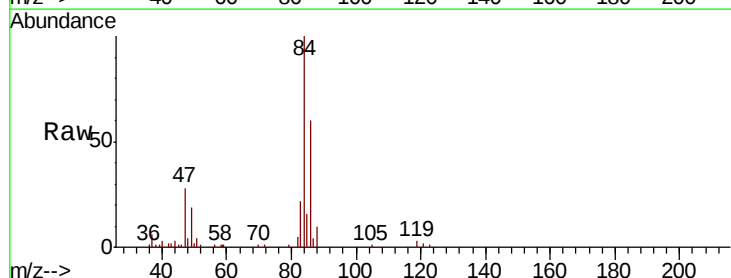
Acq: 23 Jul 2020 17:26

Tgt Ion: 83 Resp: 8222

Ion Ratio Lower Upper

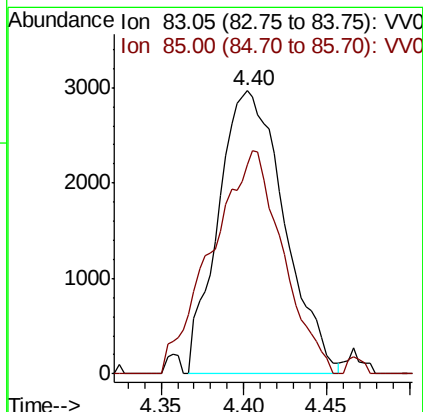
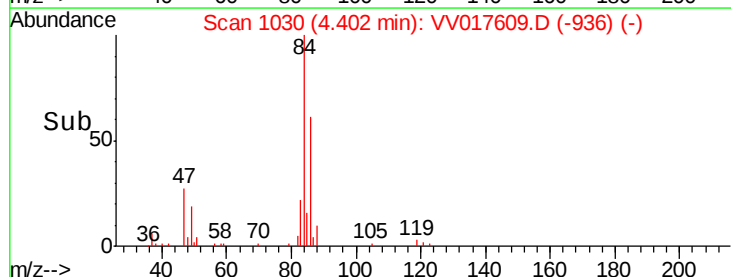
83 100

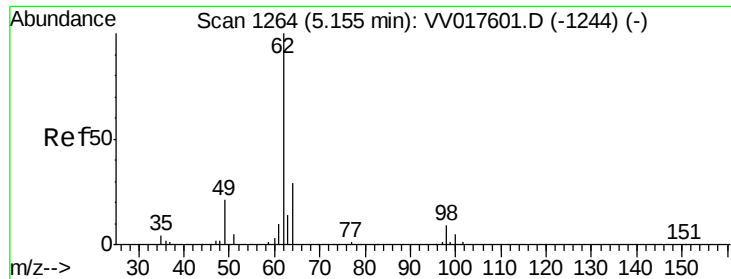
85 73.7 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.303 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

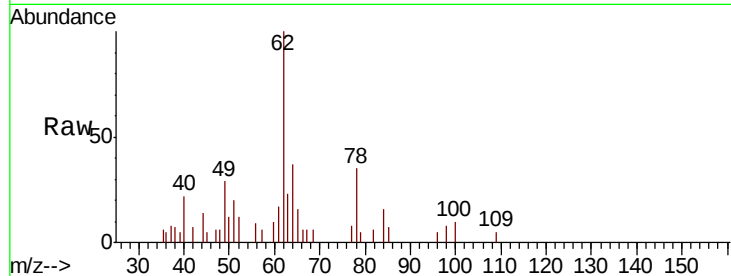
MDL04

Tot Ion: 62 Resp: 5111

Ion Ratio Lower Upper

62 100

98 7.6 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VV017601.D (-1244) (-)

Ion 98.05 (97.75 to 98.75): VV017601.D (-1244) (-)

5.16

2000

1500

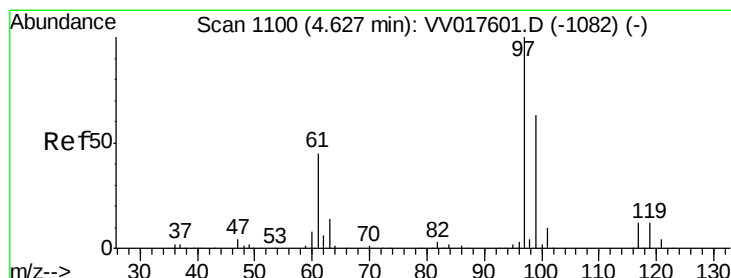
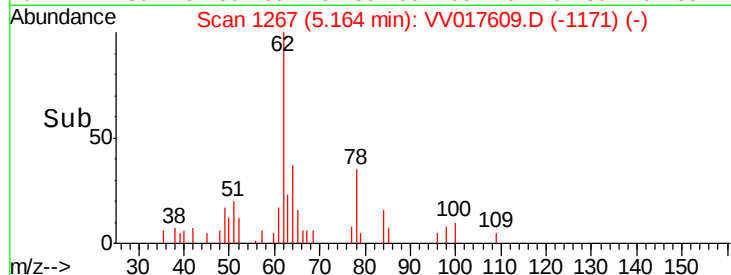
1000

500

0

5.10 5.15 5.20 5.25

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.274 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

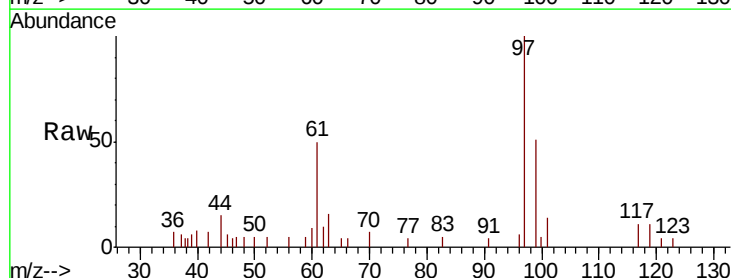
Tgt Ion: 97 Resp: 6943

Ion Ratio Lower Upper

97 100

99 60.6 50.6 76.0

61 50.5 35.7 53.5



Abundance Ion 96.95 (96.65 to 97.65): VV017601.D (-1082) (-)

Ion 99.05 (98.75 to 99.75): VV017601.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV017601.D (-1082) (-)

4.64

4000

3000

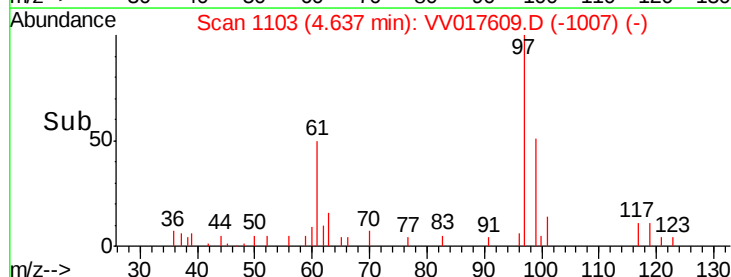
2000

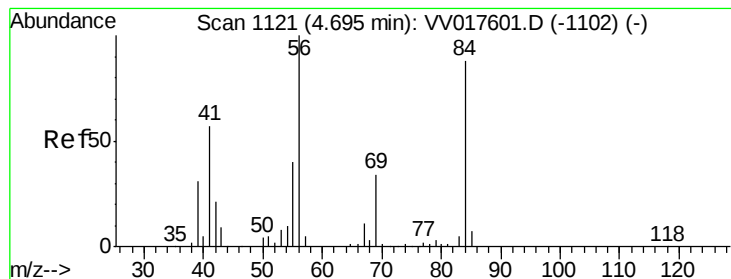
1000

0

4.55 4.60 4.65 4.70

Time-->





#30

Cyclohexane

Concen: 0.241 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampled :

MDL04

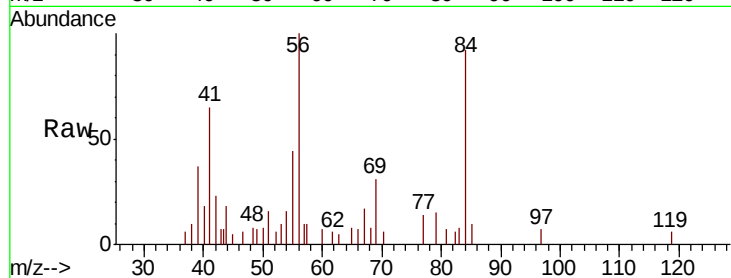
Tot Ion: 56 Resp: 4838

Ion Ratio Lower Upper

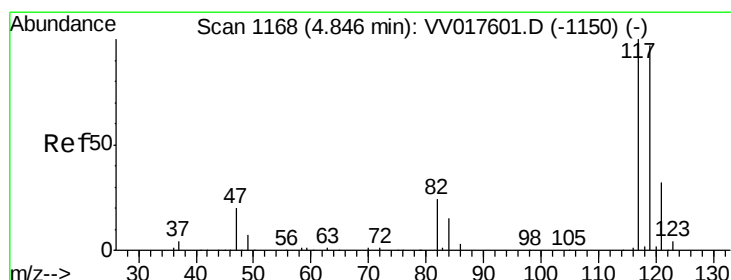
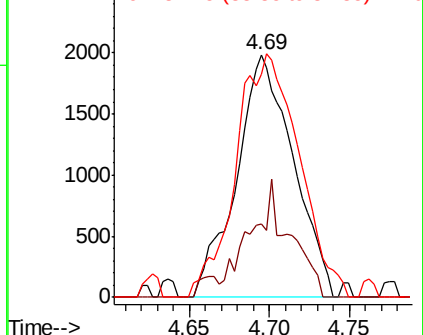
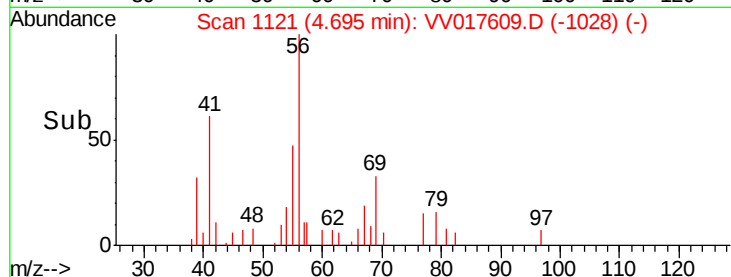
56 100

69 33.7 25.4 38.2

84 112.0 73.0 109.4#



Abundance Ion 56.10 (55.80 to 56.80): VV017609.D (-1028) (-)



#31

Carbon tetrachloride

Concen: 0.266 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV017609.D

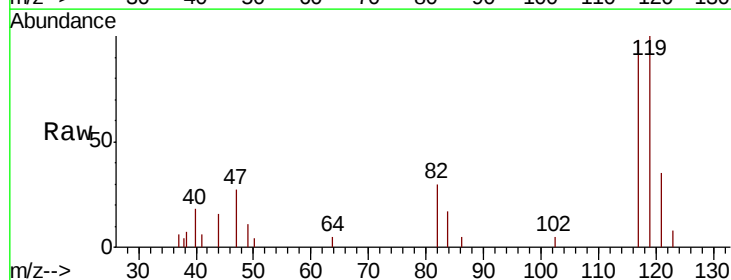
Acq: 23 Jul 2020 17:26

Tgt Ion: 117 Resp: 5987

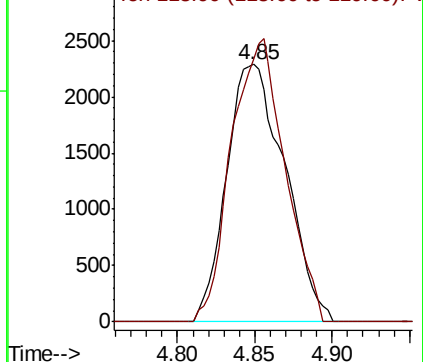
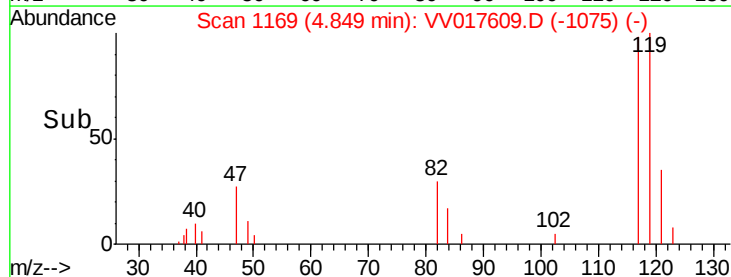
Ion Ratio Lower Upper

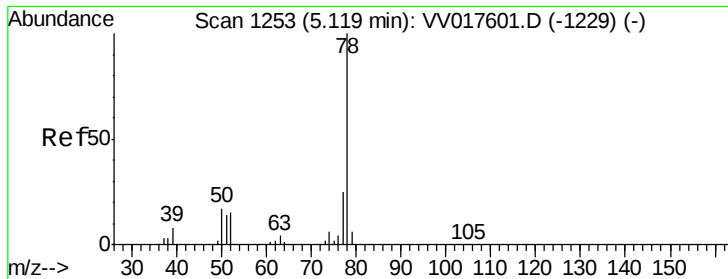
117 100

119 101.5 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): VV017609.D (-1075) (-)





#33

Benzene

Concen: 0.267 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

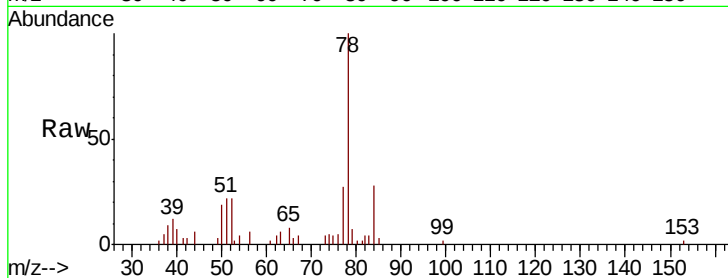
Instrument :

MSVOA_V

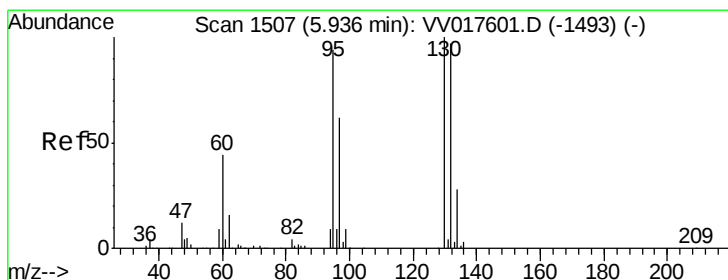
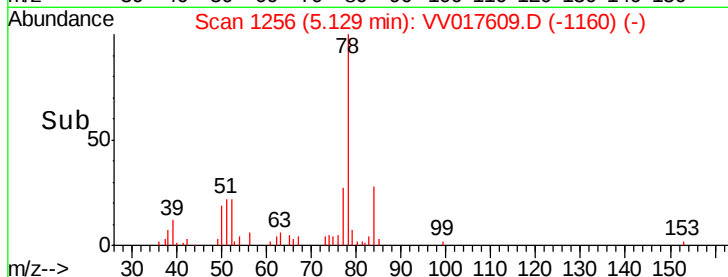
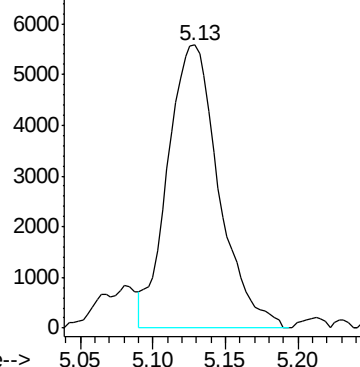
ClientSampleId :

MDL04

Tgt Ion: 78 Resp: 13710



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.290 ug/L

RT: 5.94 min Scan# 1508

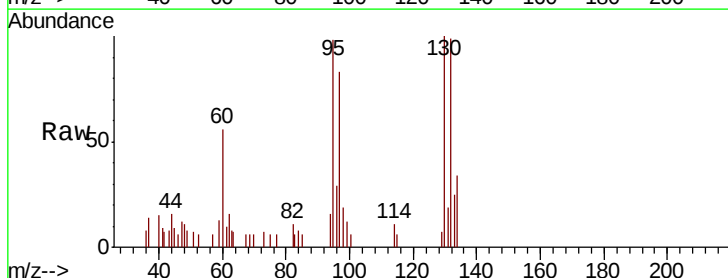
Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Tgt Ion: 95 Resp: 4151

Ion	Ratio	Lower	Upper
95	100		
97	84.7	46.1	85.5
132	101.5	71.7	133.1
130	102.2	74.3	137.9

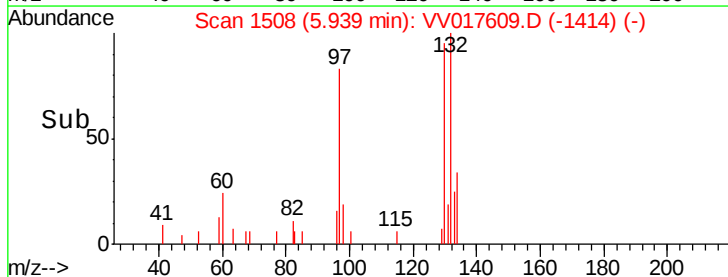
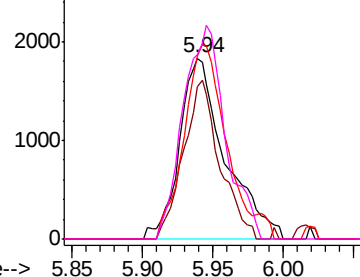


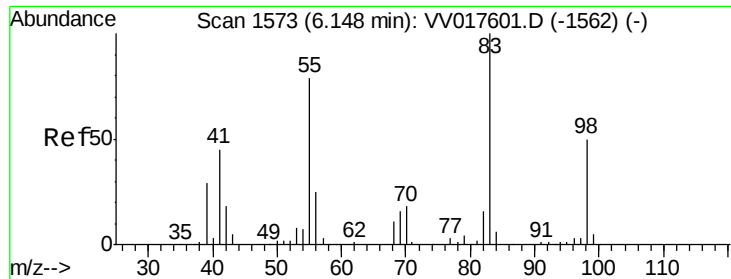
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

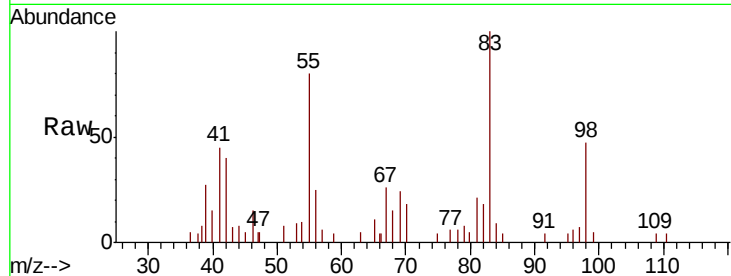




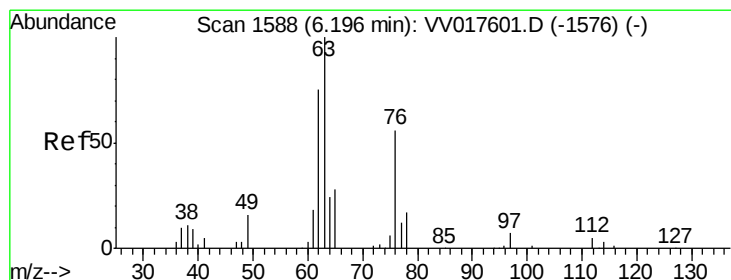
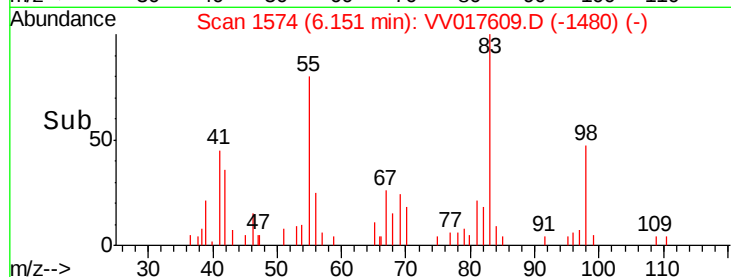
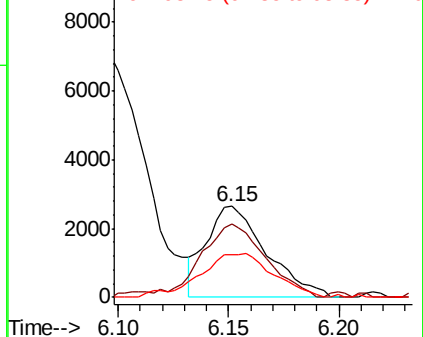
#35
Methylcyclohexane
Concen: 0.230 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion: 83 Resp: 4978
Ion Ratio Lower Upper
83 100
55 89.7 61.8 92.8
98 58.9 39.0 58.6#

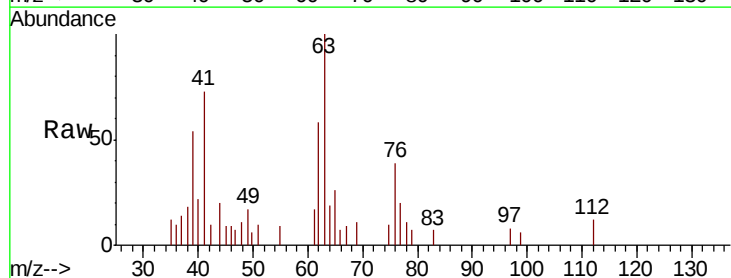


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

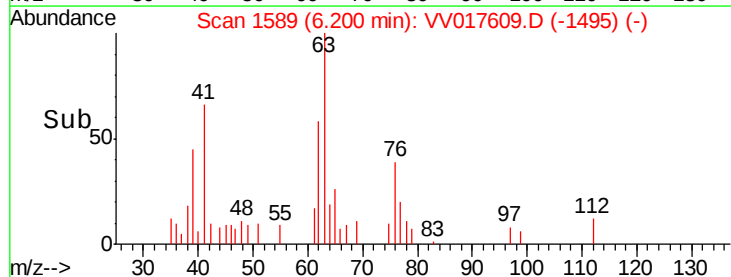
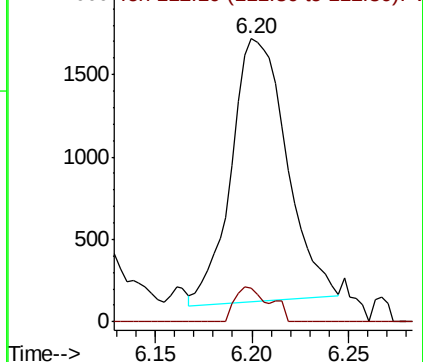


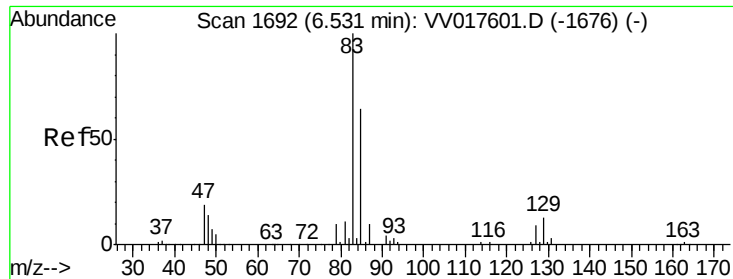
#37
1,2-Dichloropropane
Concen: 0.262 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

Tgt Ion: 63 Resp: 3159
Ion Ratio Lower Upper
63 100
112 8.3 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.268 ug/L

RT: 6.54 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

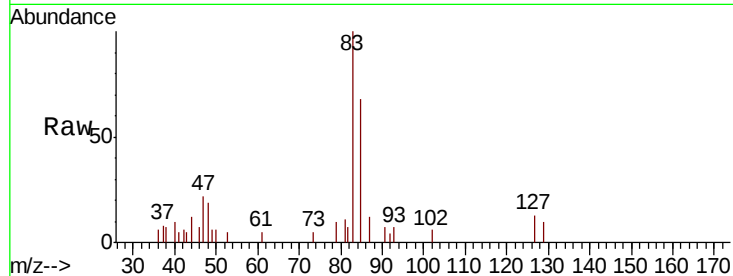
Tot Ion: 83 Resp: 4748

Ion Ratio Lower Upper

83 100

85 67.9 44.7 83.1

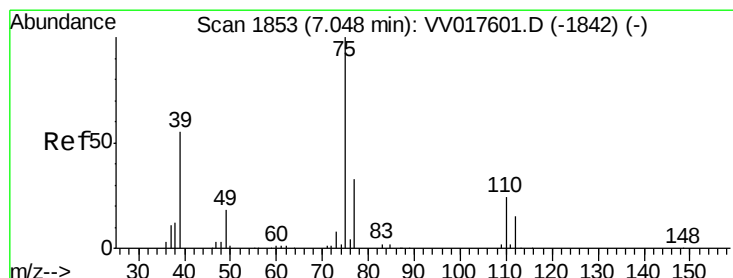
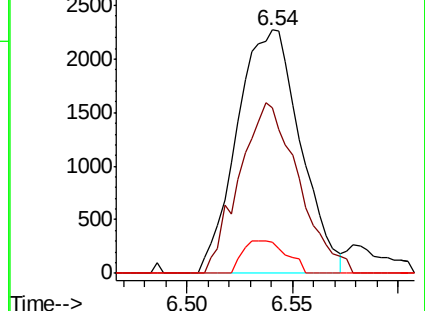
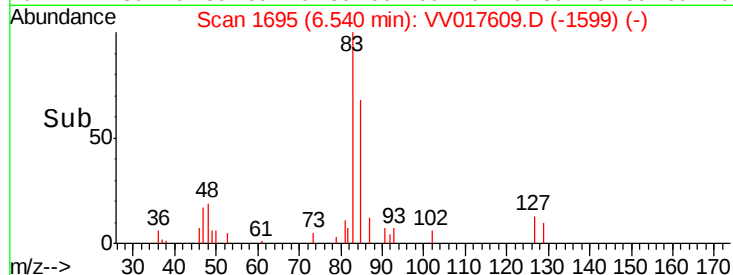
127 12.9 7.4 11.0#



Abundance Ion 82.95 (82.65 to 83.65): VV017609.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV017609.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV017609.D (-1599) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.278 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV017609.D

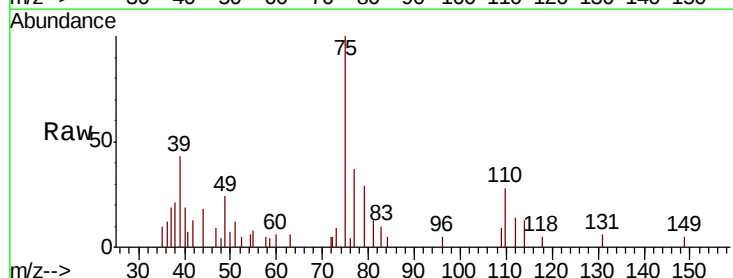
Acq: 23 Jul 2020 17:26

Tgt Ion: 75 Resp: 5056

Ion Ratio Lower Upper

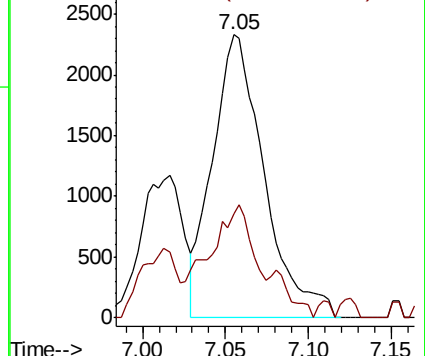
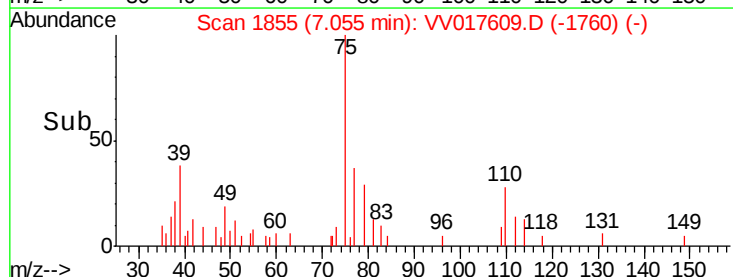
75 100

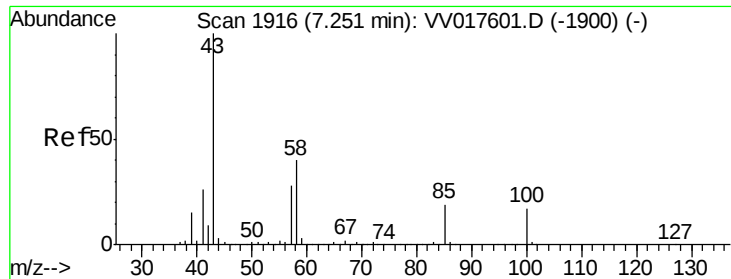
77 37.0 23.2 43.2



Abundance Ion 75.05 (74.75 to 75.75): VV017609.D (-1760) (-)

Ion 77.05 (76.75 to 77.75): VV017609.D (-1760) (-)





#40

4-Methyl-2-pentanone

Concen: 2.484 ug/L

RT: 7.26 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

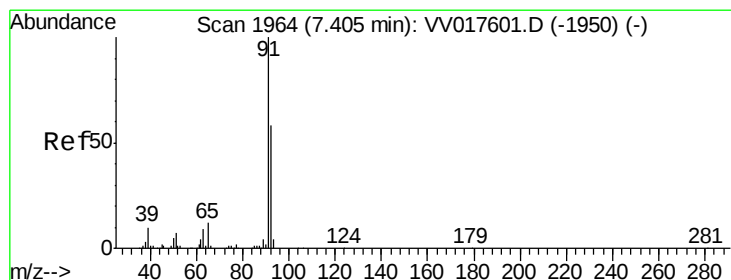
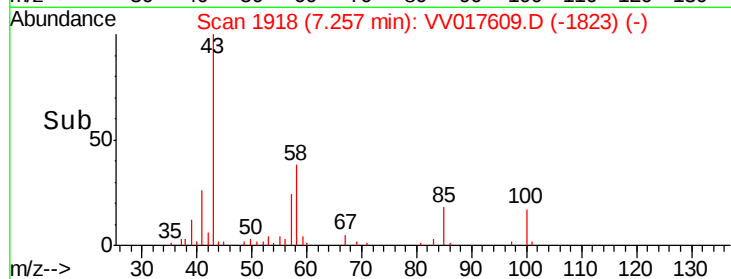
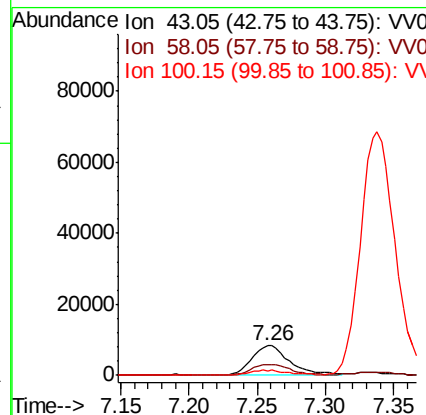
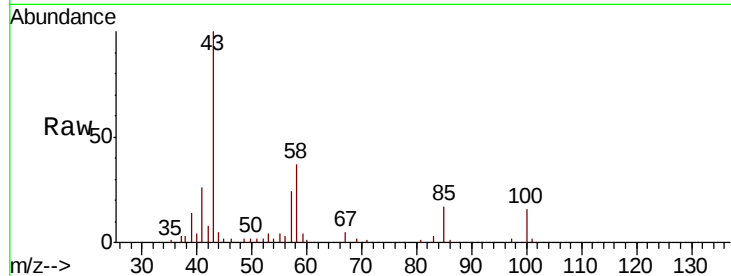
Tot Ion: 43 Resp: 16408

Ion Ratio Lower Upper

43 100

58 38.3 31.2 46.8

100 0.0 13.6 20.4#



#42

Toluene

Concen: 0.259 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017609.D

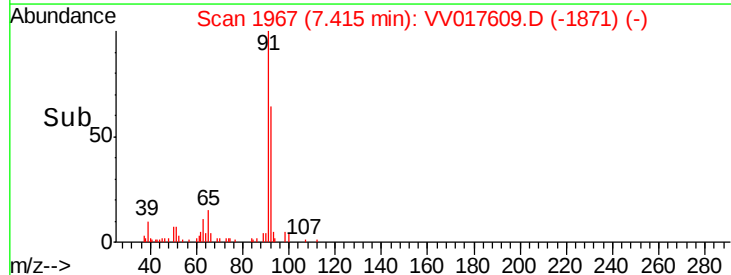
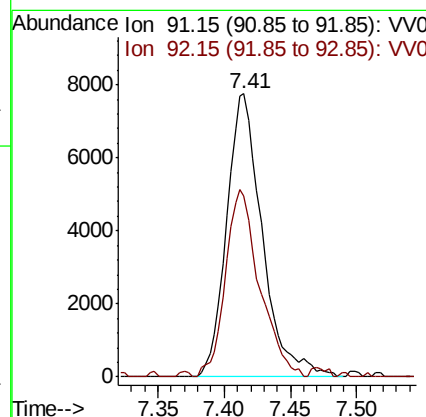
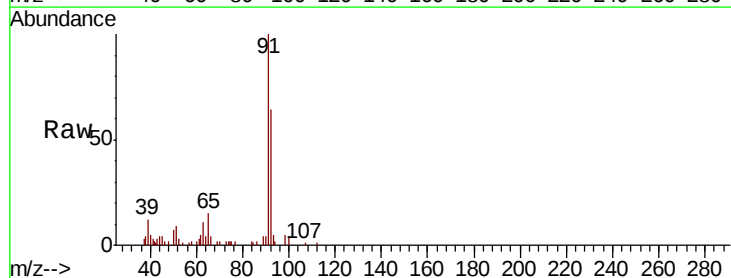
Acq: 23 Jul 2020 17:26

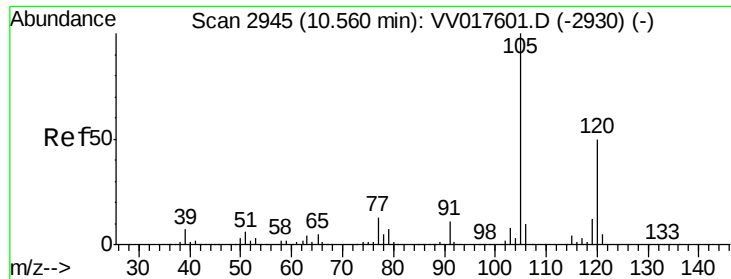
Tgt Ion: 91 Resp: 14486

Ion Ratio Lower Upper

91 100

92 64.1 40.8 75.8

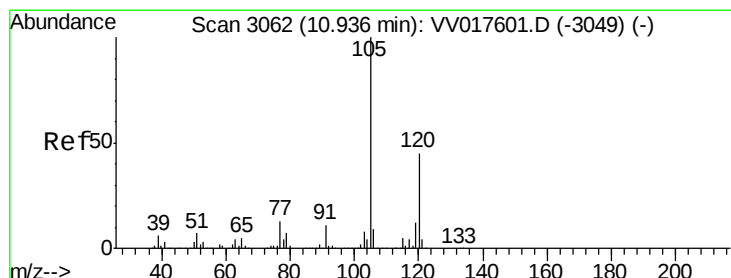
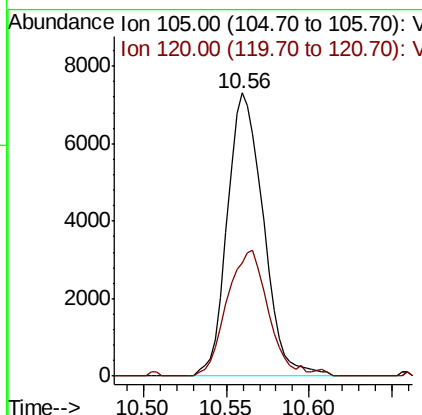
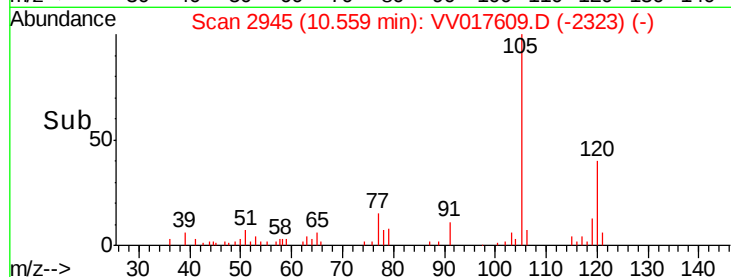
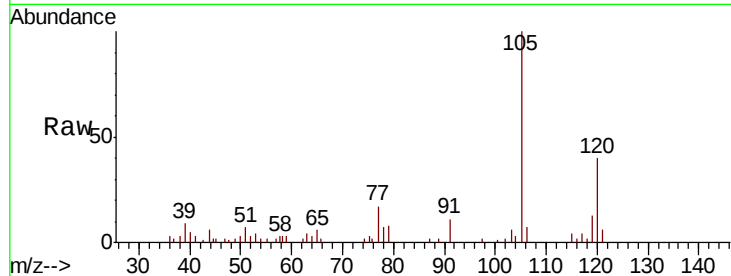




#43
 1,3,5-Trimethylbenzene
 Concen: 0.211 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV017609.D
 Acq: 23 Jul 2020 17:26

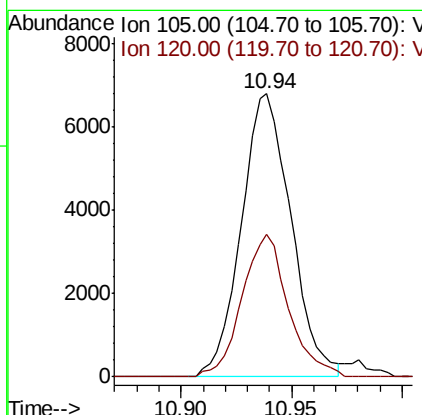
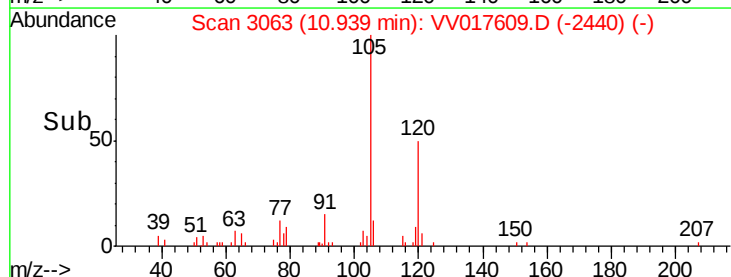
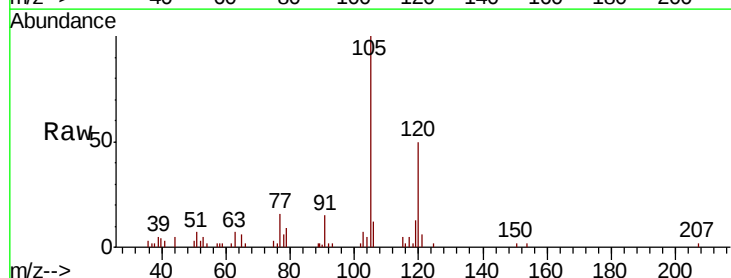
Instrument :
 MSVOA_V
 ClientSampled :
 MDL04

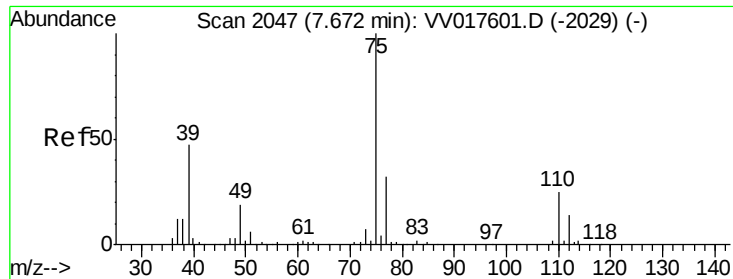
Tot Ion:105 Resp: 11031
 Ion Ratio Lower Upper
 105 100
 120 50.7 39.4 59.2



#44
 1,2,4-Trimethylbenzene
 Concen: 0.199 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV017609.D
 Acq: 23 Jul 2020 17:26

Tgt Ion:105 Resp: 10613
 Ion Ratio Lower Upper
 105 100
 120 46.9 35.9 53.9





#46

trans-1,3-Dichloropropene

Concen: 0.267 ug/L

RT: 7.68 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

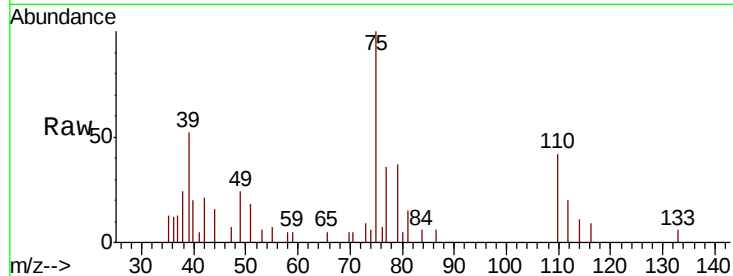
MDL04

Tot Ion: 75 Resp: 4361

Ion Ratio Lower Upper

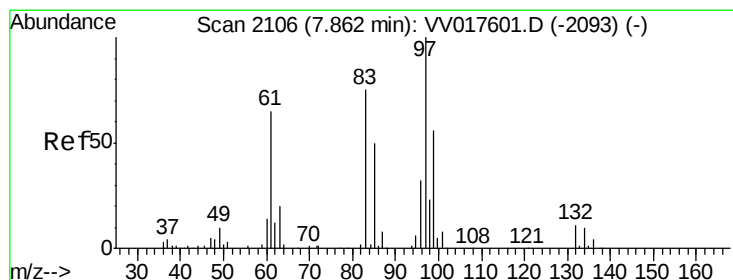
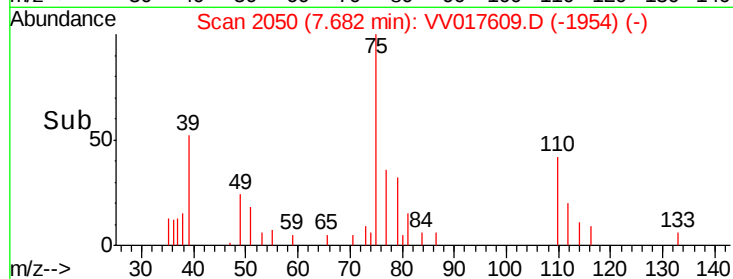
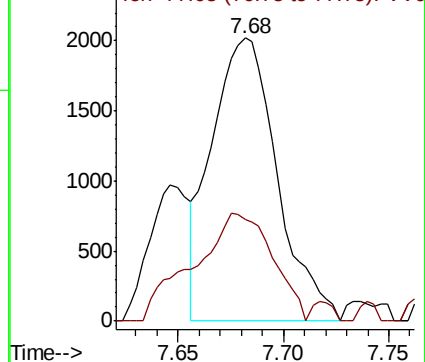
75 100

77 35.9 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#47

1,1,2-Trichloroethane

Concen: 0.280 ug/L

RT: 7.87 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Tgt Ion: 97 Resp: 2554

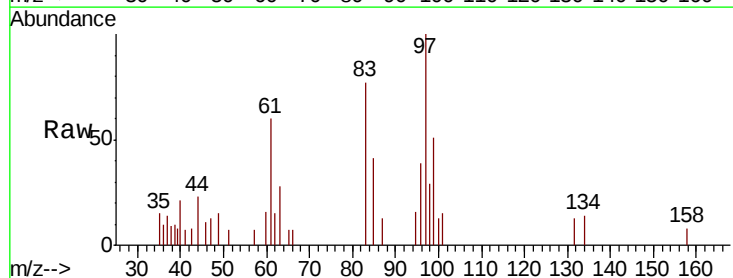
Ion Ratio Lower Upper

97 100

99 51.4 39.5 73.4

83 77.3 52.6 97.6

85 40.7 35.1 65.1

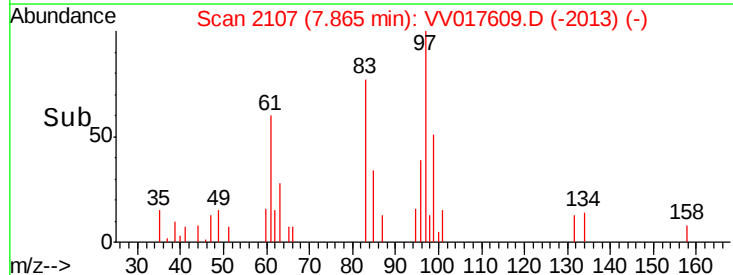
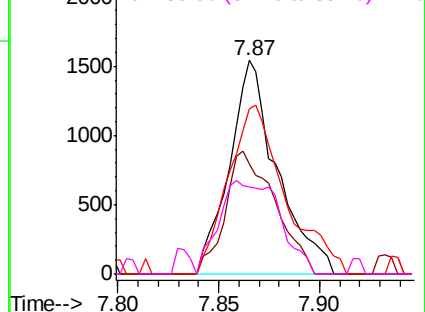


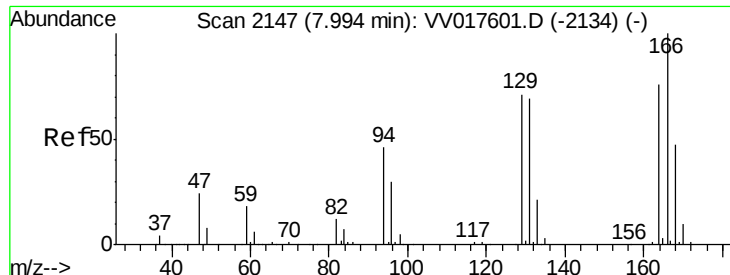
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 0.273 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tot Ion:164 Resp: 3449

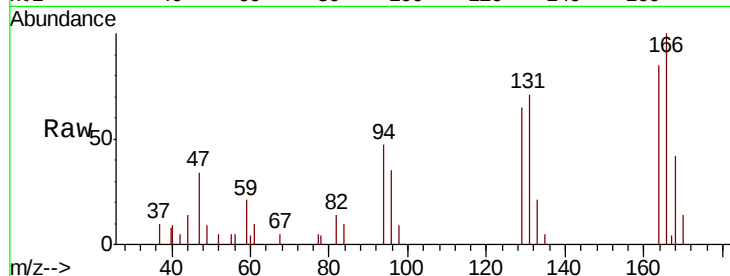
Ion Ratio Lower Upper

164 100

129 75.5 65.0 120.8

131 82.5 63.6 118.2

166 117.0 91.7 170.3

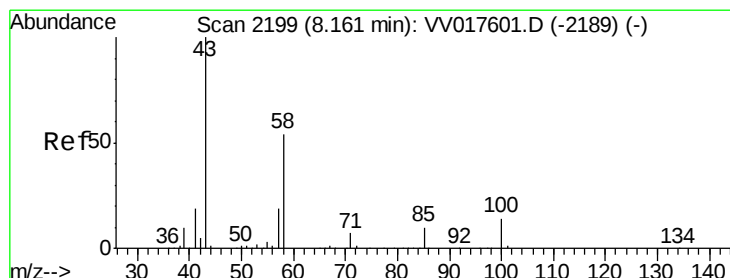
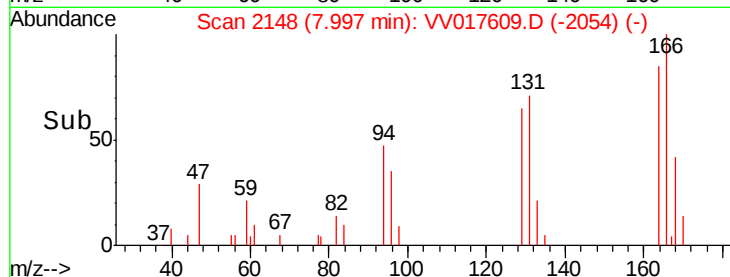
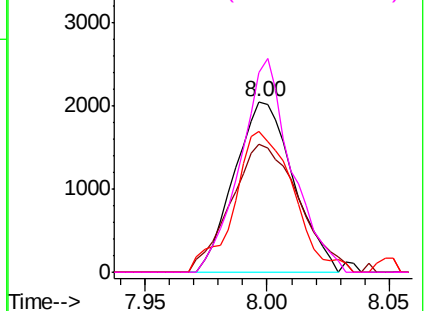


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 3.513 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Tgt Ion: 43 Resp: 16417

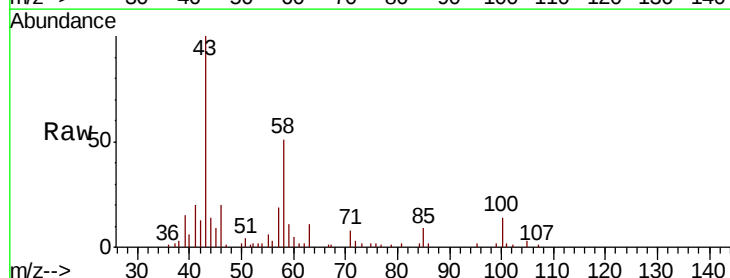
Ion Ratio Lower Upper

43 100

58 52.6 41.6 62.4

57 17.0 15.4 23.0

100 14.7 11.2 16.8

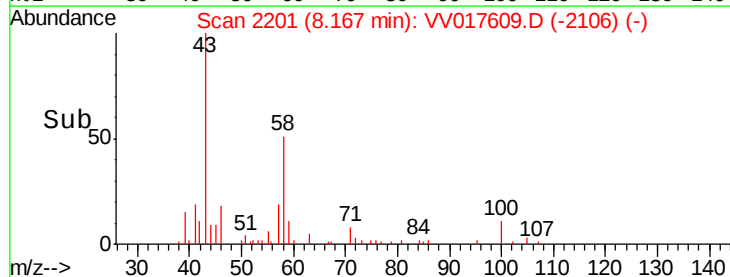
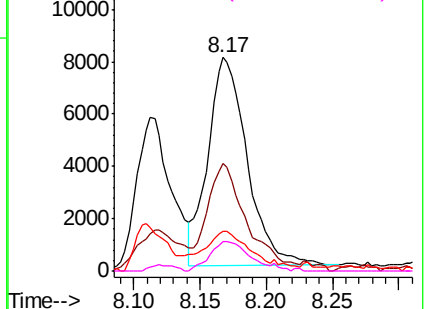


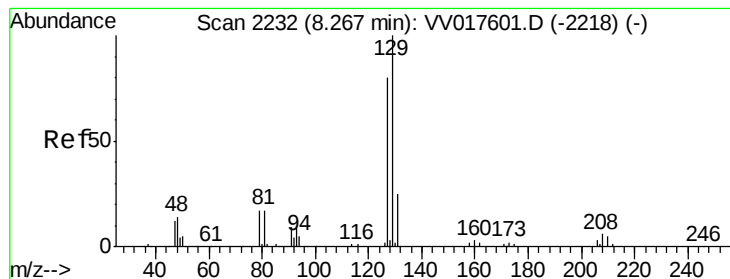
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 0.289 ug/L

RT: 8.27 min Scan# 2234

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

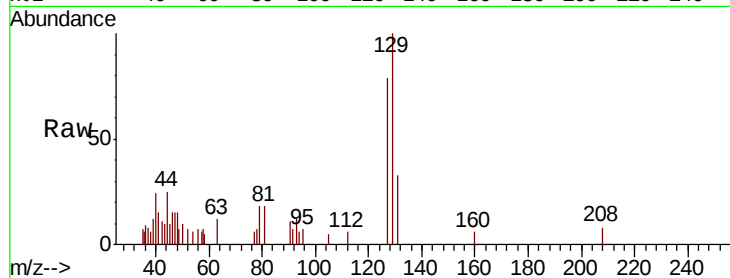
MDL04

Tot Ion:129 Resp: 3363

Ion Ratio Lower Upper

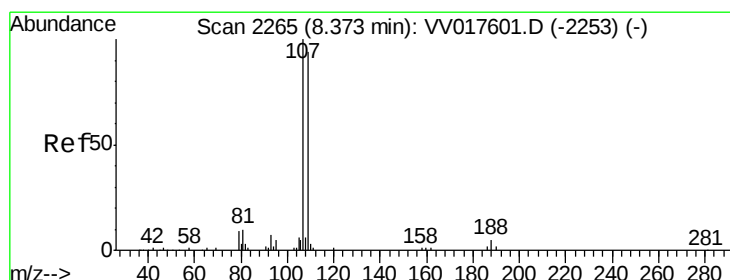
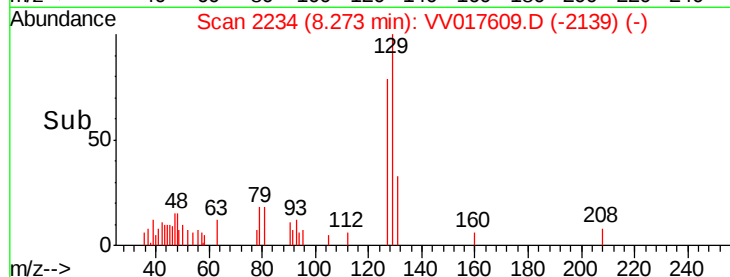
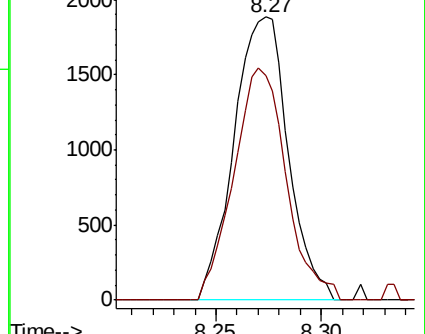
129 100

127 79.5 56.3 104.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

1,2-Dibromoethane

Concen: 0.291 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

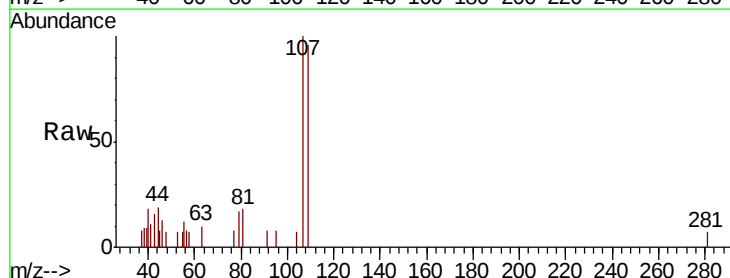
Tgt Ion:107 Resp: 2509

Ion Ratio Lower Upper

107 100

109 96.3 65.5 121.7

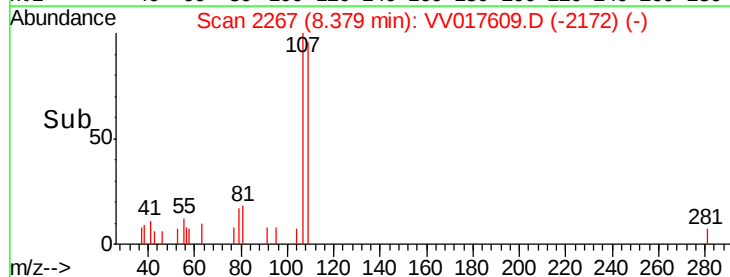
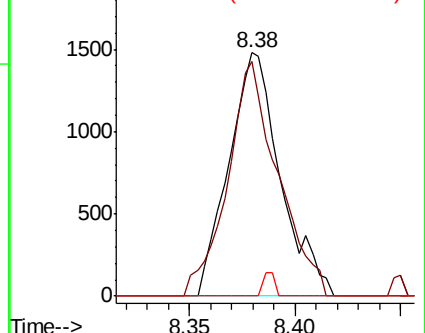
188 0.0 3.7 5.5#

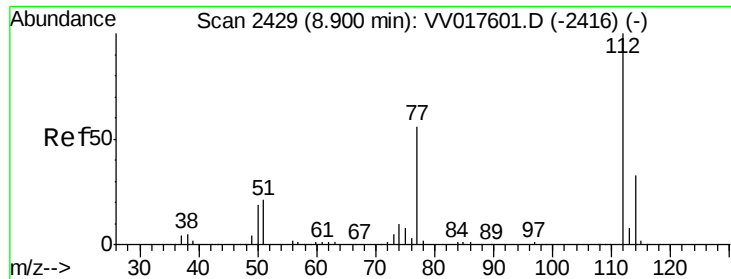


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

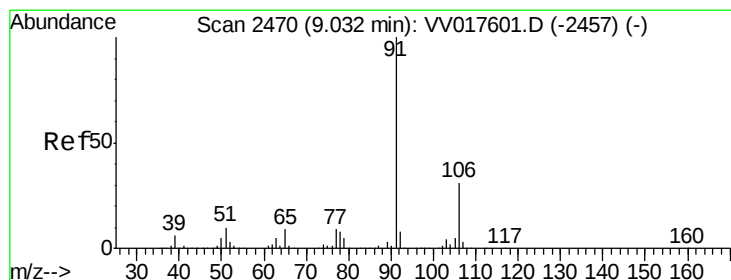
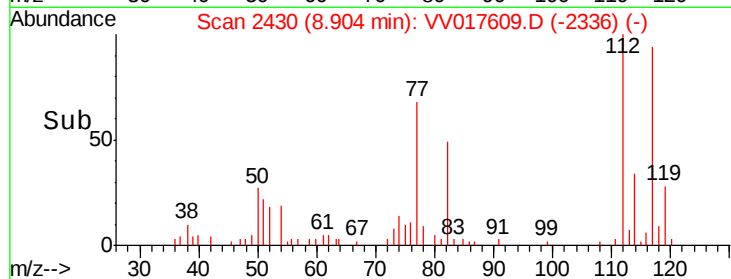
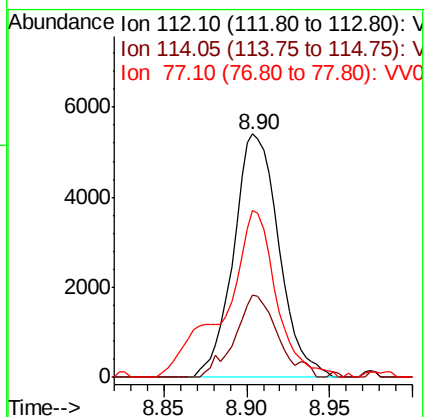
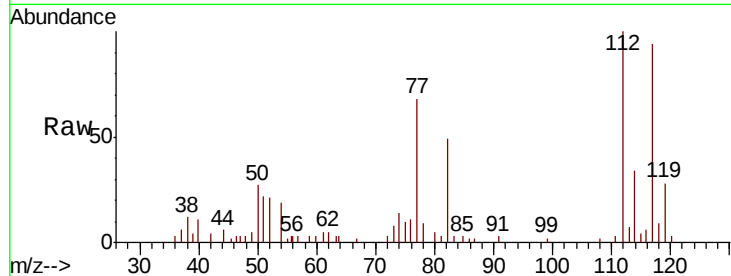




#53
Chlorobenzene
Concen: 0.277 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

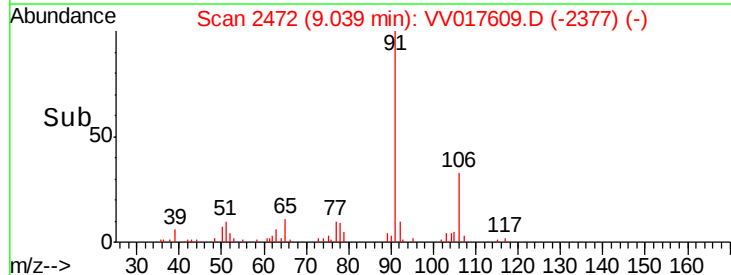
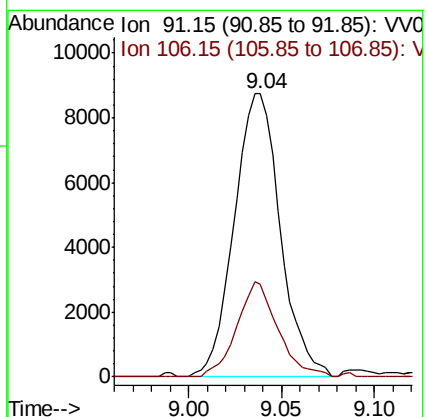
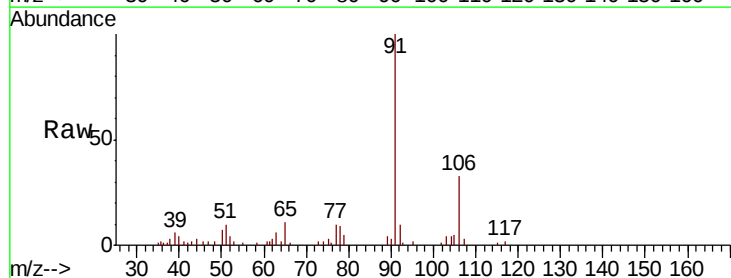
Instrument :
MSVOA_V
ClientSampleId :
MDL04

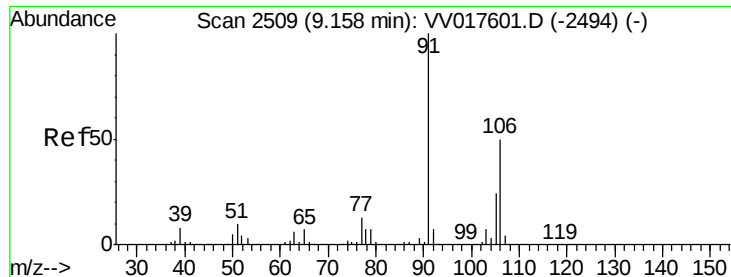
Tot Ion	Ratio	Lower	Upper
112	100		
114	33.8	23.2	43.2
77	68.3	45.6	68.4



#54
Ethylbenzene
Concen: 0.242 ug/L
RT: 9.04 min Scan# 2472
Delta R.T. 0.01 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.9	21.6	40.2





#55

m,p-xylene

Concen: 0.261 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

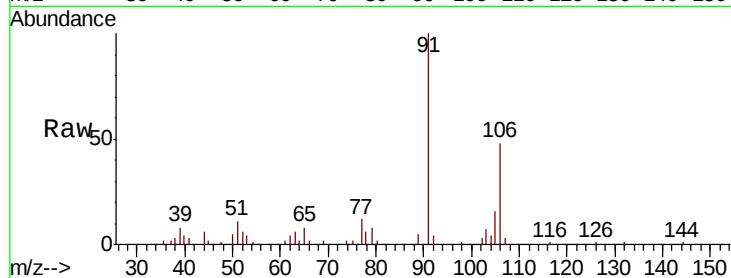
Instrument :
MSVOA_V
ClientSampleId :
MDL04

Tot Ion:106 Resp: 6153

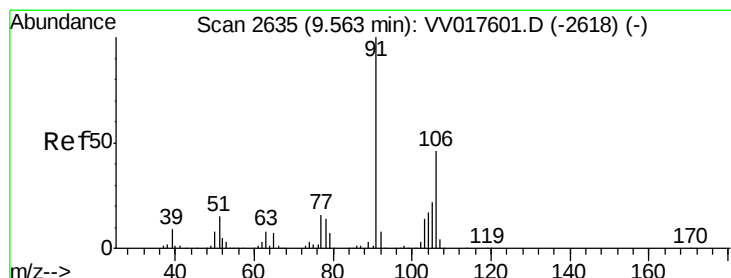
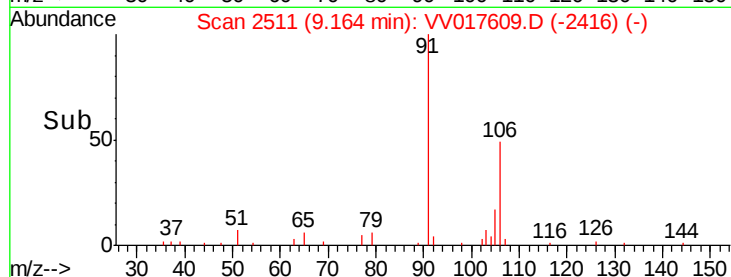
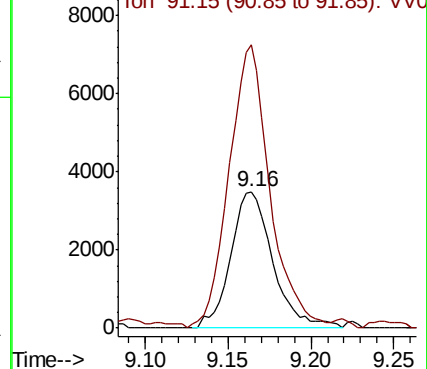
Ion Ratio Lower Upper

106 100

91 207.2 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.242 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017609.D

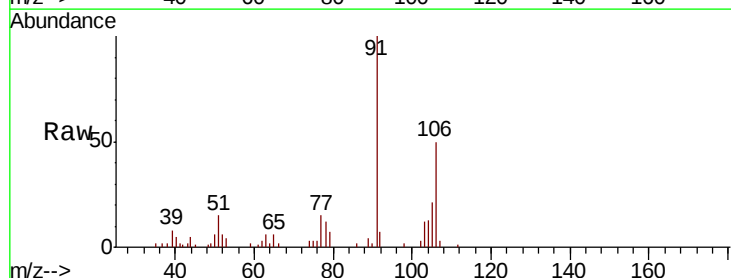
Acq: 23 Jul 2020 17:26

Tgt Ion:106 Resp: 5543

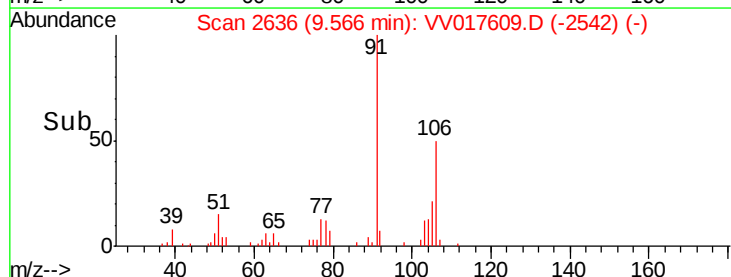
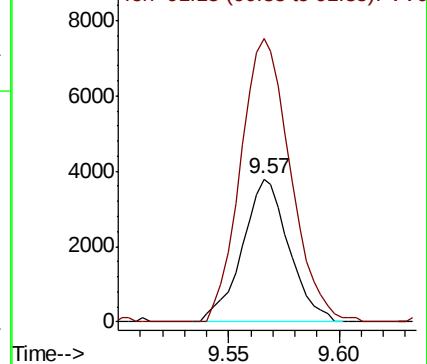
Ion Ratio Lower Upper

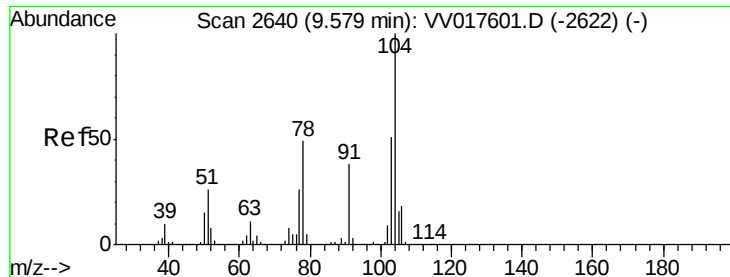
106 100

91 198.3 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

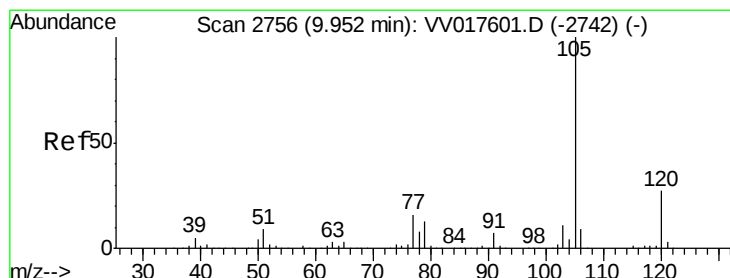
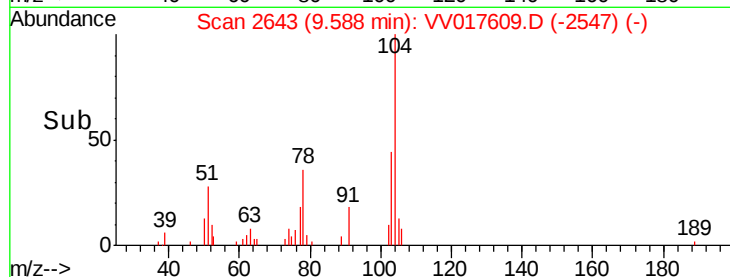
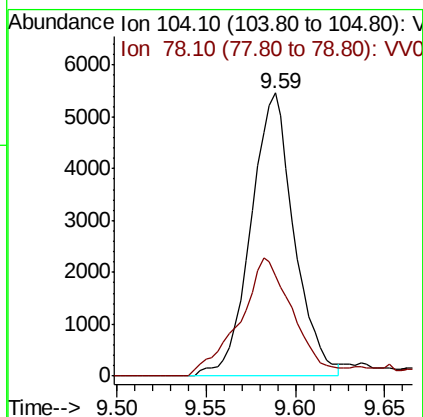
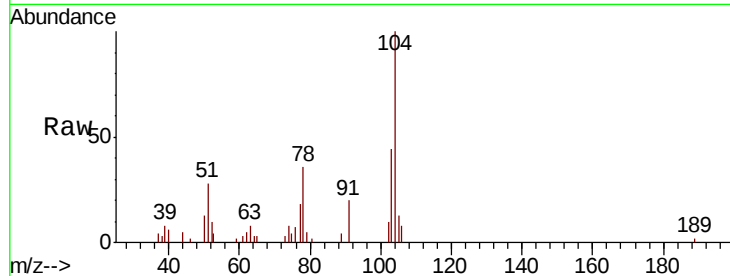




#57
Stvrene
Concen: 0.242 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

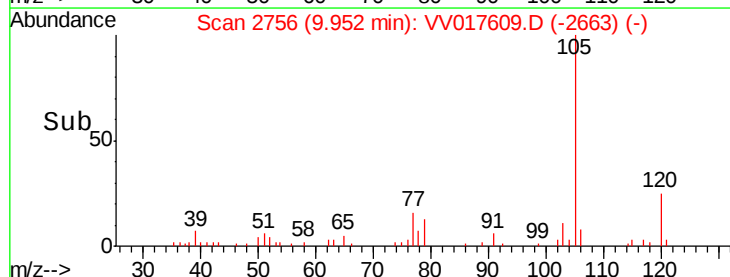
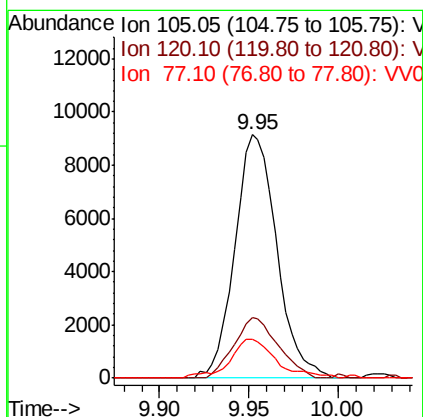
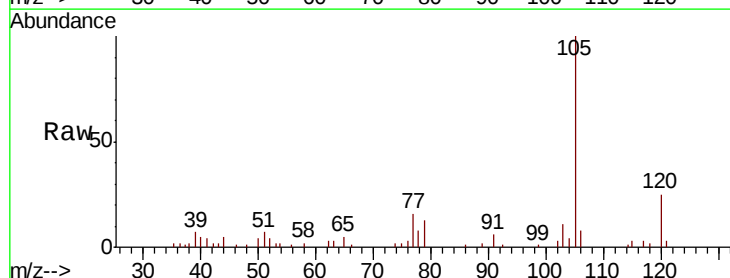
Instrument :
MSVOA_V
ClientSampleId :
MDL04

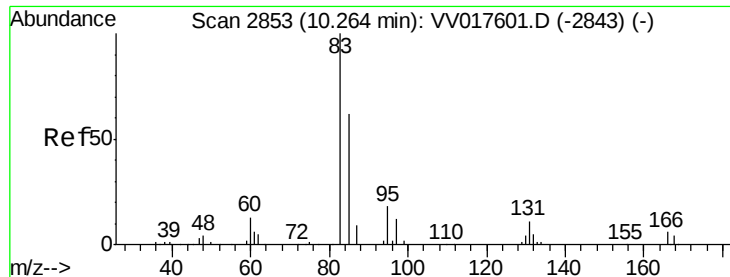
Tot Ion:104 Resp: 9253
Ion Ratio Lower Upper
104 100
78 35.7 34.0 63.2



#58
Isopropylbenzene
Concen: 0.237 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV017609.D
Acq: 23 Jul 2020 17:26

Tgt Ion:105 Resp: 14935
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 17.7 13.0 19.6





#60

1,1,2,2-Tetrachloroethane

Concen: 0.273 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

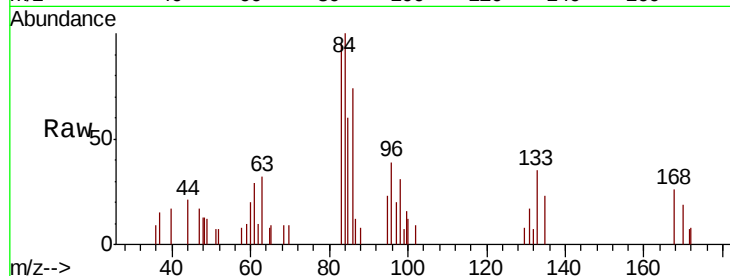
Tot Ion: 83 Resp: 2719

Ion Ratio Lower Upper

83 100

85 62.9 44.4 82.5

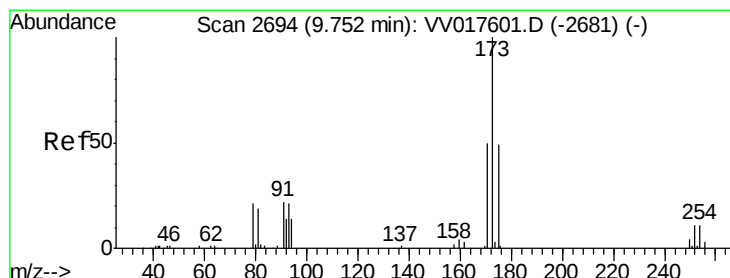
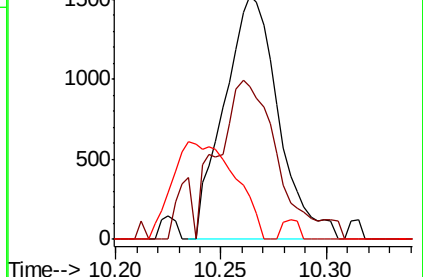
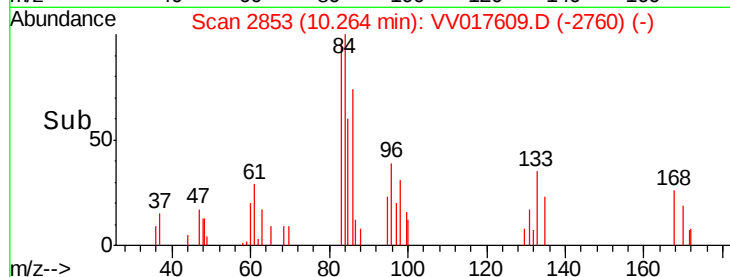
131 17.5 9.2 13.8#



Abundance Ion 82.95 (82.65 to 83.65): VV017609.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV017609.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV017609.D (-2760) (-)



#62

Bromoform

Concen: 0.289 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

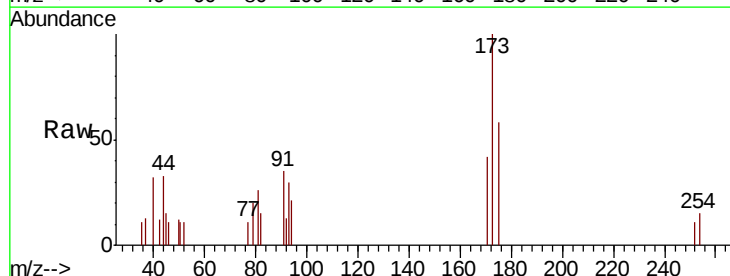
Tgt Ion: 173 Resp: 1655

Ion Ratio Lower Upper

173 100

175 52.6 39.6 59.4

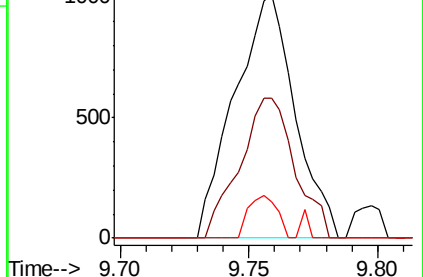
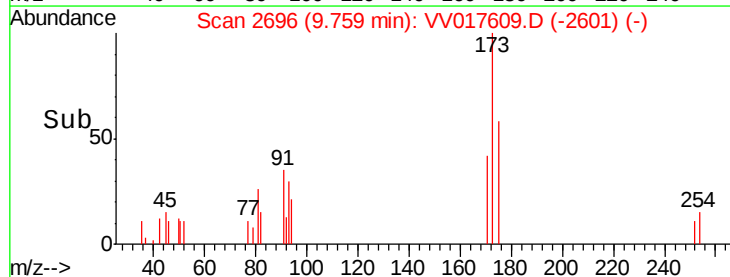
254 8.3 8.4 12.6#

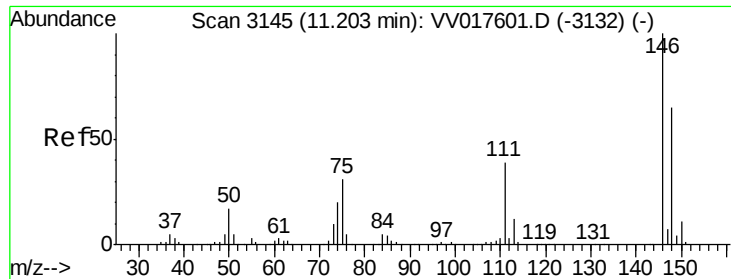


Abundance Ion 172.90 (172.60 to 173.60): VV017609.D (-2601) (-)

Ion 174.90 (174.60 to 175.60): VV017609.D (-2601) (-)

Ion 253.75 (253.45 to 254.45): VV017609.D (-2601) (-)

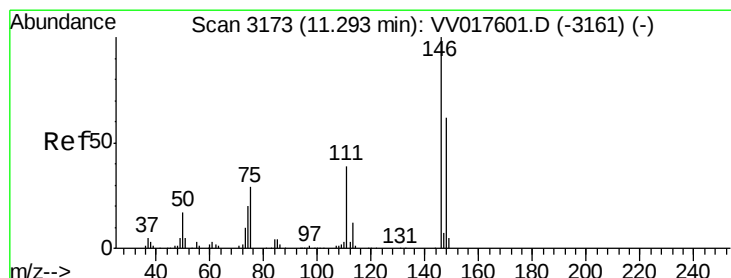
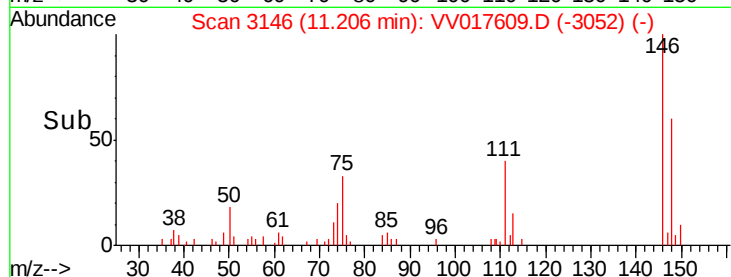
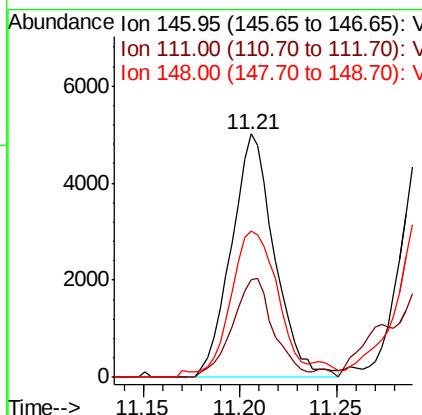
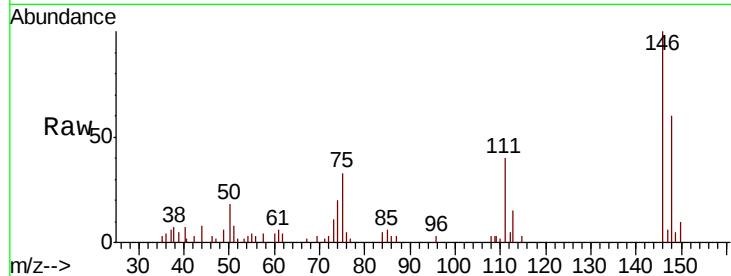




#63
 1,3-Dichlorobenzene
 Concen: 0.271 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV017609.D
 Acq: 23 Jul 2020 17:26

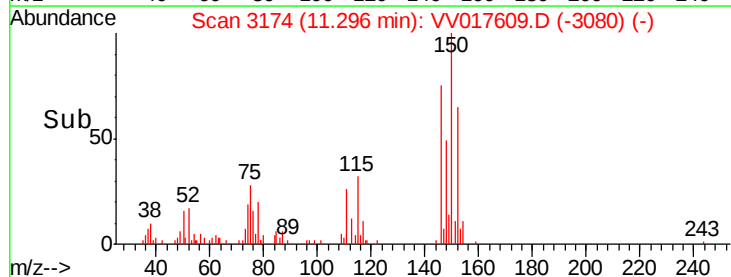
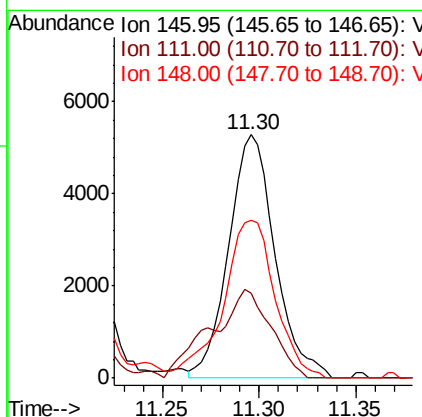
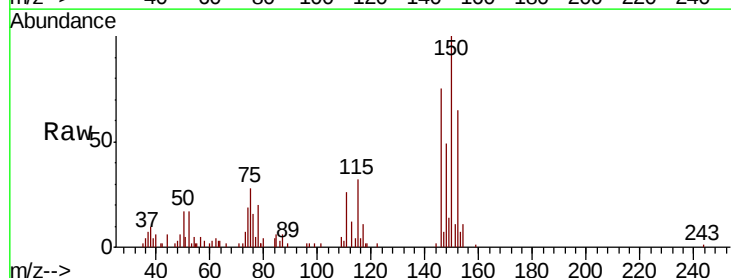
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

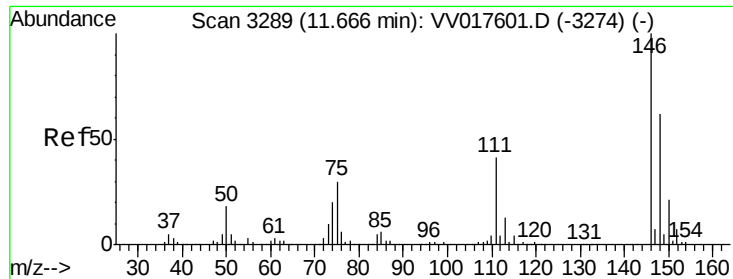
Tot Ion:146 Resp: 7795
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.3 50.7
 148 60.0 45.6 84.6



#64
 1,4-Dichlorobenzene
 Concen: 0.305 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017609.D
 Acq: 23 Jul 2020 17:26

Tgt Ion:146 Resp: 8809
 Ion Ratio Lower Upper
 146 100
 111 34.8 27.4 51.0
 148 64.6 43.8 81.4





#66

1,2-Dichlorobenzene

Concen: 0.304 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

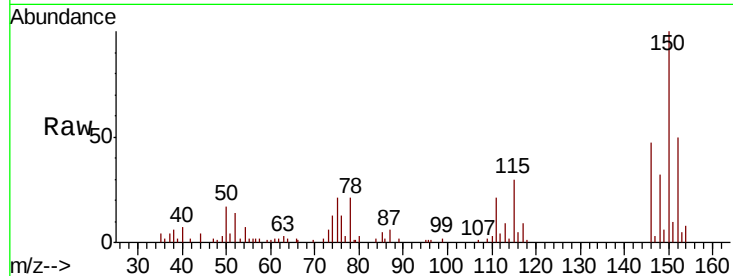
Tot Ion:146 Resp: 7986

Ion Ratio Lower Upper

146 100

111 44.3 33.0 49.4

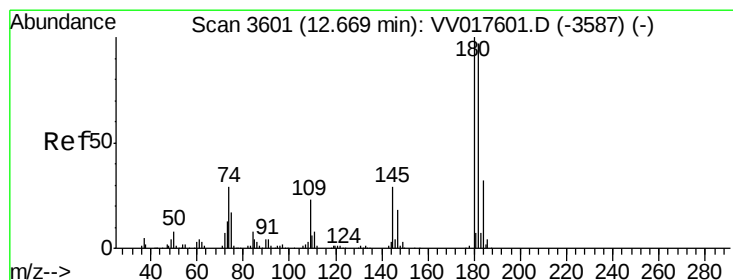
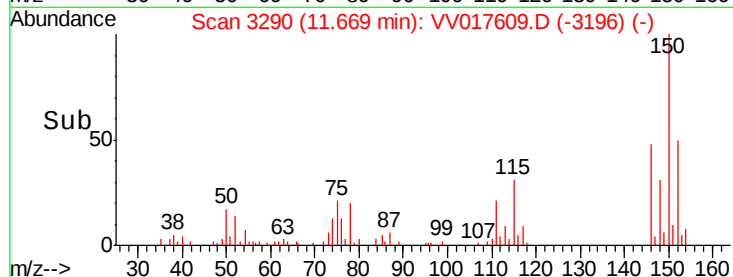
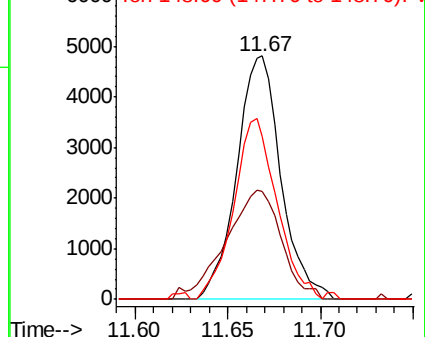
148 67.1 49.9 74.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,3,5-Trichlorobenzene

Concen: 0.273 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Tgt Ion:180 Resp: 6393

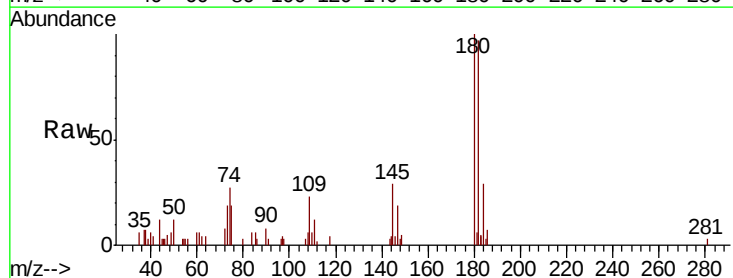
Ion Ratio Lower Upper

180 100

182 93.1 77.1 115.7

184 29.0 25.2 37.8

145 29.8 24.1 36.1

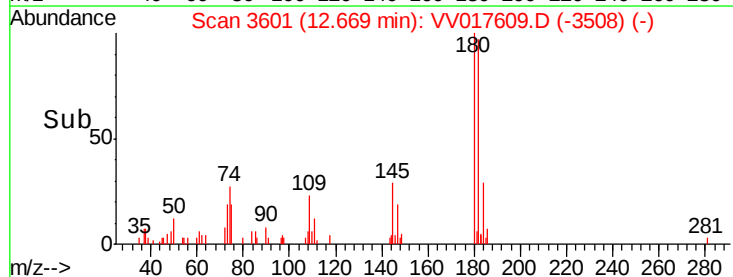
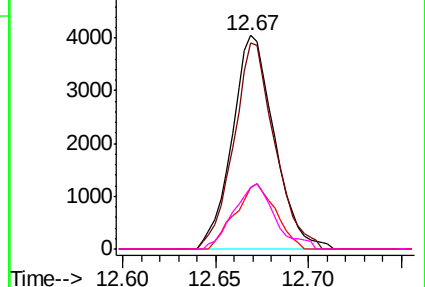


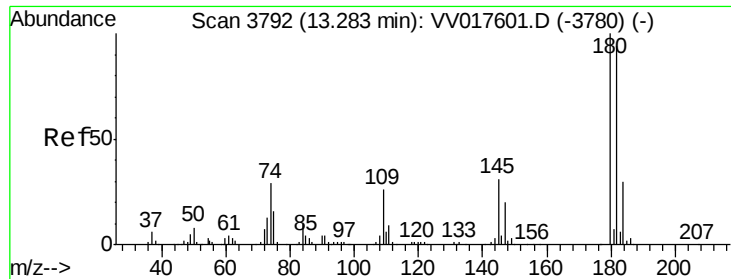
Abundance Ion 180.00 (179.70 to 180.70): V

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

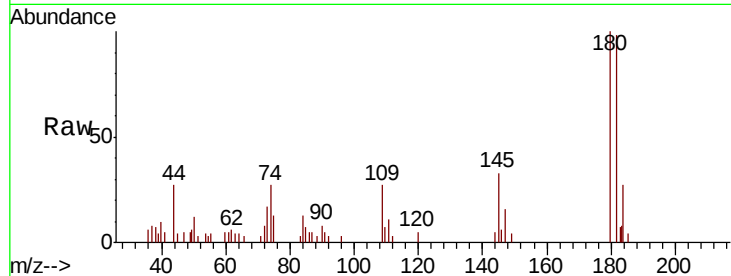




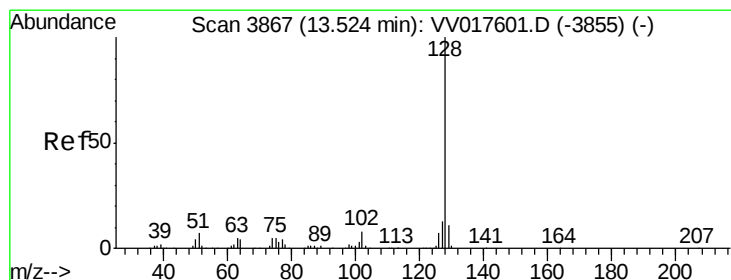
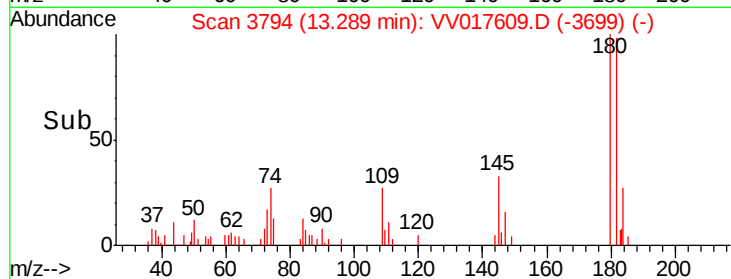
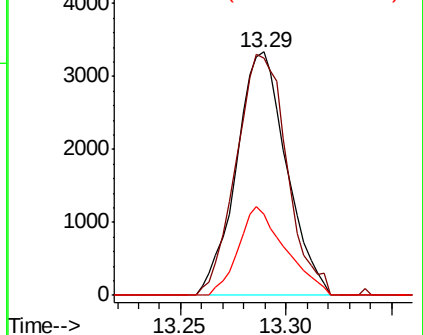
#69
 1,2,4-trichlorobenzene
 Concen: 0.283 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV017609.D
 Acq: 23 Jul 2020 17:26

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Tot Ion:180 Resp: 5532
 Ion Ratio Lower Upper
 180 100
 182 99.9 75.4 113.2
 145 33.9 24.2 36.2

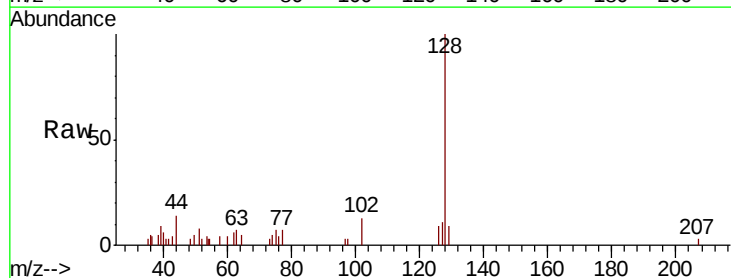


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

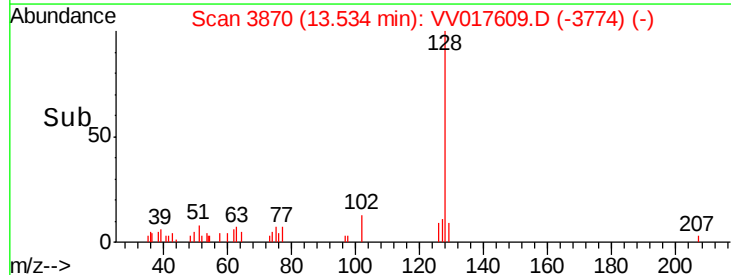
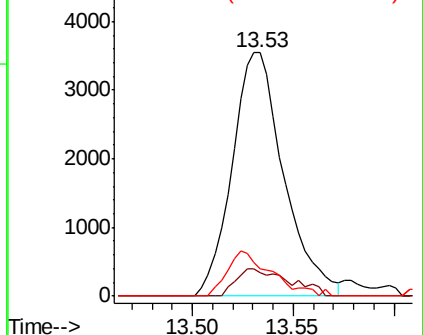


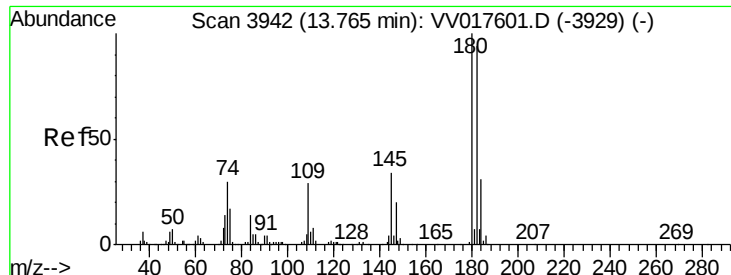
#70
 Naphthalene
 Concen: 0.233 ug/L
 RT: 13.53 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: VV017609.D
 Acq: 23 Jul 2020 17:26

Tgt Ion:128 Resp: 6347
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.1 13.7
 127 16.0 11.0 16.6



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





#71

1,2,3-Trichlorobenzene

Concen: 0.257 ug/L

RT: 13.77 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VV017609.D

Acq: 23 Jul 2020 17:26

Instrument :

MSVOA_V

ClientSampleId :

MDL04

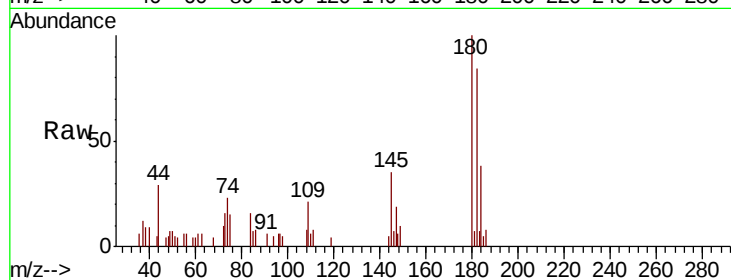
Tot Ion:180 Resp: 4452

Ion Ratio Lower Upper

180 100

182 94.2 74.2 111.4

145 34.2 26.0 39.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

