

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017606.D
 Acq On : 23 Jul 2020 16:15
 Operator : SY/MD
 Sample : MDL01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Quant Time: Jul 24 01:54:21 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	190316	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	185477	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	93271	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	43005	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	34344	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.12	63	70056	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	3.95	46	99458	45.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.50%
24) Chloroform-d	4.37	84	104418	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.06	65	56644	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.07	84	195960	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.09	67	53652	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.33	98	180817	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
45) trans-1,3-Dichloropropene-	7.64	79	23539	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
48) 2-Hexanone-d5	8.11	63	71787	44.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.94%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37502	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	71060	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5101	0.245 ug/L	91
3) Chloromethane	1.25	50	3593	0.265 ug/L	98
6) Bromomethane	1.53	94	2447	0.280 ug/L	91
8) Chloroethane	1.59	64	2466	0.314 ug/L	99
9) Trichlorofluoromethane	1.76	101	6354	0.261 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3738	0.329 ug/L	96
12) 1,1-Dichloroethene	2.13	96	3572	0.349 ug/L #	1
13) Acetone	2.22	43	3327	1.955 ug/L	82
14) Carbon disulfide	2.31	76	8800	0.282 ug/L #	86
16) Methylene chloride	2.52	84	5602	0.491 ug/L	90
17) Methyl tert-butyl Ether	2.79	73	7163	0.273 ug/L #	61
18) trans-1,2-Dichloroethene	2.78	96	3220	0.288 ug/L	82
19) 1,1-Dichloroethane	3.20	63	6747	0.287 ug/L	94
22) cis-1,2-Dichloroethene	3.93	96	3608	0.257 ug/L	99
23) Bromochloromethane	4.27	128	1744	0.269 ug/L #	90
25) Chloroform	4.40	83	7307	0.277 ug/L	87
27) 1,2-Dichloroethane	5.16	62	4924	0.288 ug/L #	92

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

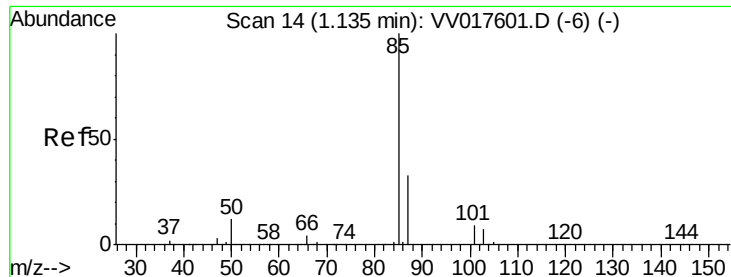
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Quant Time: Jul 24 01:54:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

29) 1,1,1-Trichloroethane	4.62	97	6216	0.240	ug/L #	74
30) Cyclohexane	4.69	56	5084	0.247	ug/L	98
31) Carbon tetrachloride	4.85	117	5558	0.241	ug/L	96
33) Benzene	5.13	78	12759	0.243	ug/L	100
34) Trichloroethene	5.94	95	4375	0.298	ug/L	79
35) Methylcyclohexane	6.15	83	5029	0.227	ug/L	98
37) 1,2-Dichloropropane	6.21	63	3450	0.280	ug/L #	94
38) Bromodichloromethane	6.54	83	4475	0.247	ug/L #	98
39) cis-1,3-Dichloropropene	7.05	75	5169	0.278	ug/L	96
40) 4-Methyl-2-pentanone	7.26	43	15238	2.252	ug/L #	87
42) Toluene	7.41	91	14892	0.260	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	10869	0.203	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	10897	0.199	ug/L	94
46) trans-1,3-Dichloropropene	7.68	75	5480	0.328	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	2290	0.245	ug/L	93
49) Tetrachloroethene	7.99	164	2964	0.229	ug/L	95
50) 2-Hexanone	8.17	43	16344	3.414	ug/L #	93
51) Dibromochloromethane	8.26	129	3040	0.255	ug/L	85
52) 1,2-Dibromoethane	8.38	107	2254	0.255	ug/L #	92
53) Chlorobenzene	8.91	112	9956	0.261	ug/L	95
54) Ethylbenzene	9.04	91	14495	0.226	ug/L	97
55) m,p-xylene	9.16	106	5076	0.210	ug/L	94
56) o-xylene	9.56	106	5343	0.228	ug/L	89
57) Styrene	9.59	104	8634	0.221	ug/L	98
58) Isopropylbenzene	9.95	105	13475	0.208	ug/L	97
60) 1,1,1,2,2-Tetrachloroethane	10.26	83	3032	0.297	ug/L #	99
62) Bromoform	9.76	173	1492	0.250	ug/L #	96
63) 1,3-Dichlorobenzene	11.21	146	8406	0.280	ug/L	90
64) 1,4-Dichlorobenzene	11.29	146	8291	0.275	ug/L	87
66) 1,2-Dichlorobenzene	11.67	146	8145	0.298	ug/L	93
67) 1,2-Dibromo-3-chloropropan	12.45	75	731	0.427	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	6371	0.261	ug/L	95
69) 1,2,4-trichlorobenzene	13.29	180	6136	0.301	ug/L	94
70) Naphthalene	13.53	128	6556	0.230	ug/L #	90
71) 1,2,3-Trichlorobenzene	13.77	180	4285	0.237	ug/L #	91

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



#2

Dichlorodifluoromethane

Concen: 0.245 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampled :

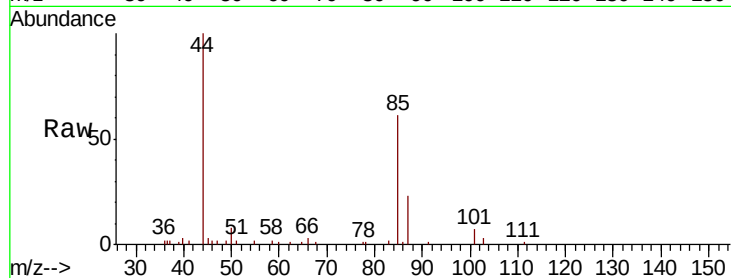
MDL01

Tot Ion: 85 Resp: 5101

Ion Ratio Lower Upper

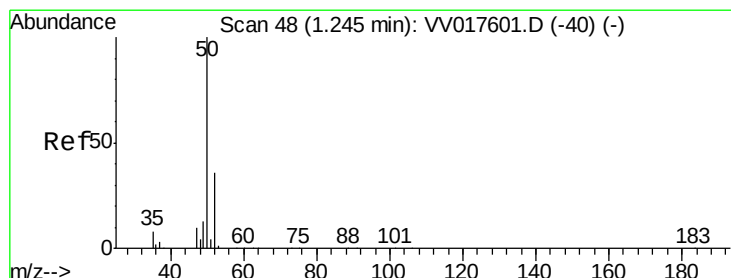
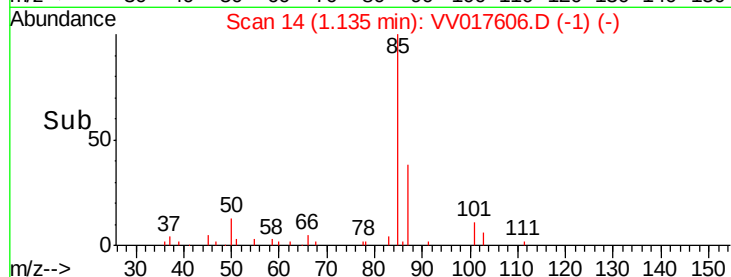
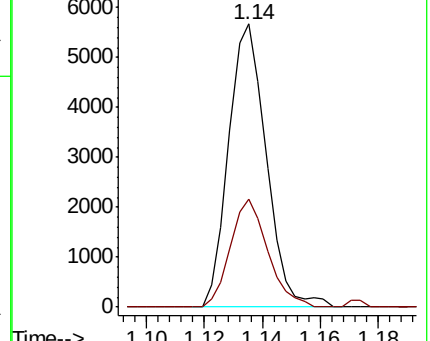
85 100

87 37.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.265 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017606.D

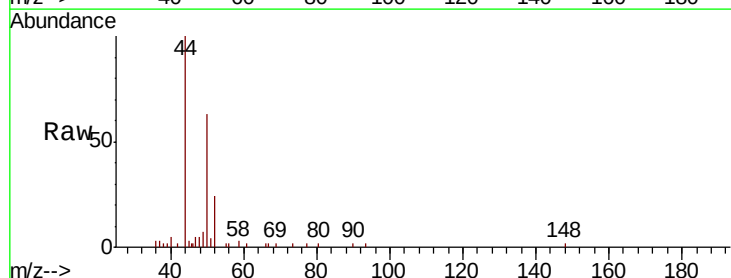
Acq: 23 Jul 2020 16:15

Tgt Ion: 50 Resp: 3593

Ion Ratio Lower Upper

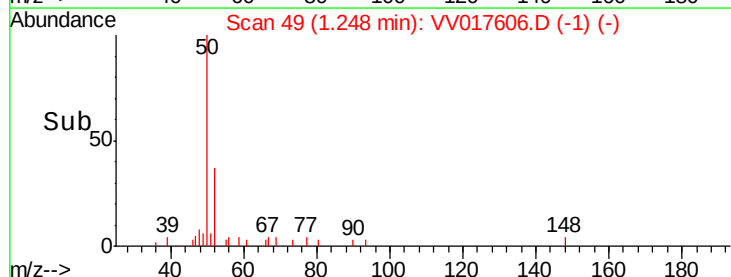
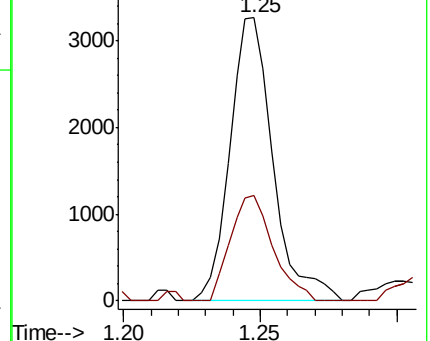
50 100

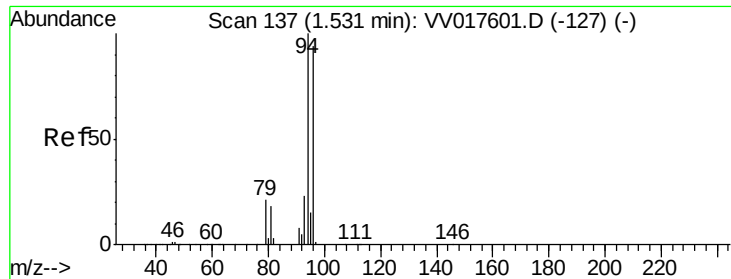
52 37.2 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#6

Bromomethane

Concen: 0.280 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

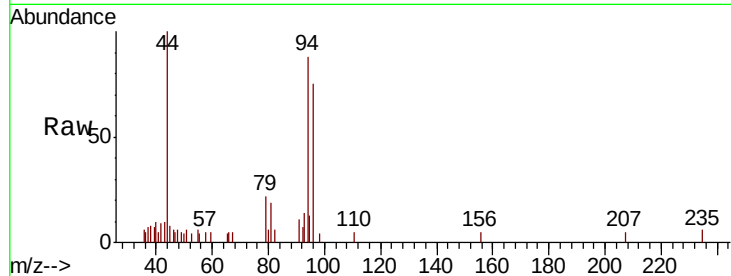
MDL01

Tot Ion: 94 Resp: 2447

Ion Ratio Lower Upper

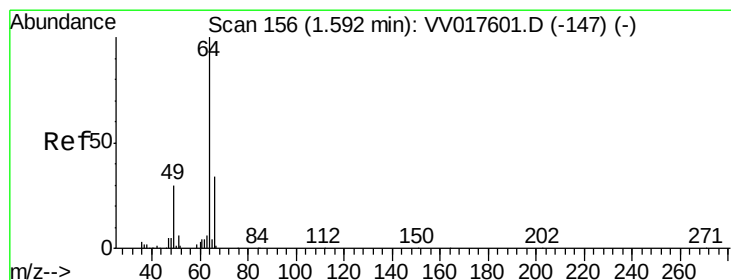
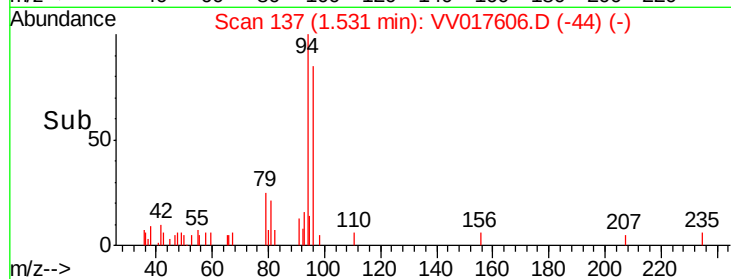
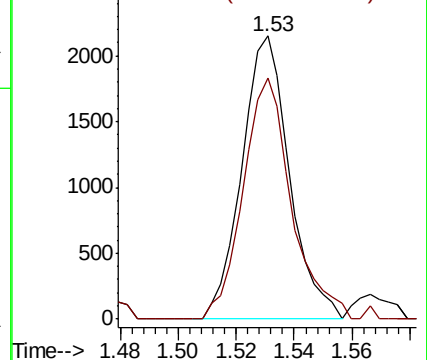
94 100

96 85.0 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: 0.314 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV017606.D

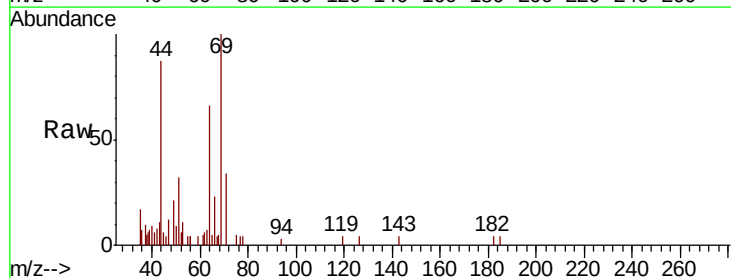
Acq: 23 Jul 2020 16:15

Tgt Ion: 64 Resp: 2466

Ion Ratio Lower Upper

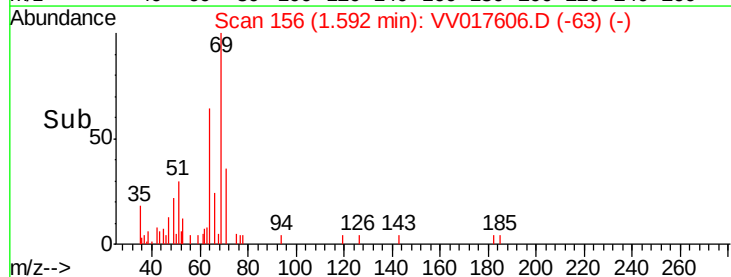
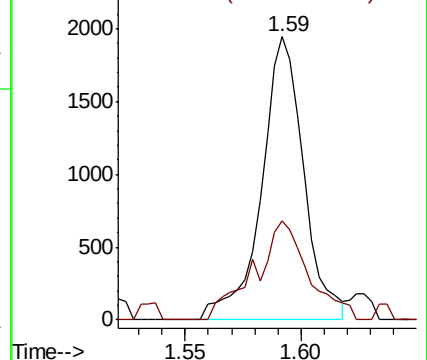
64 100

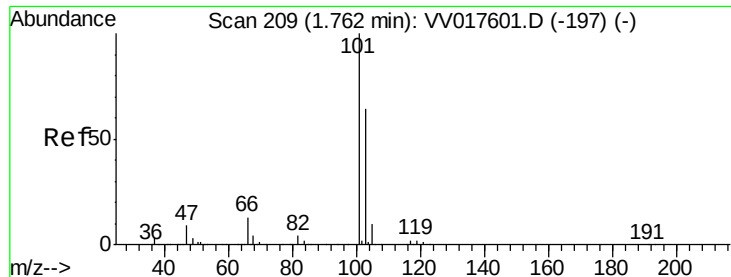
66 35.1 24.0 44.6



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



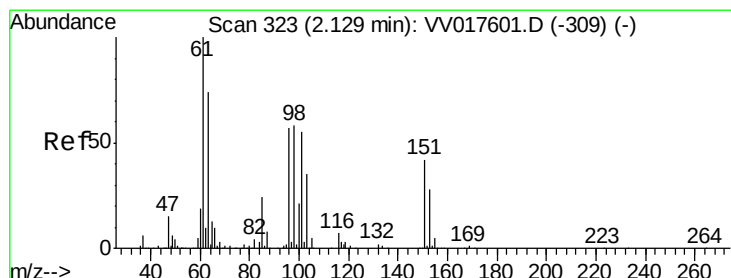
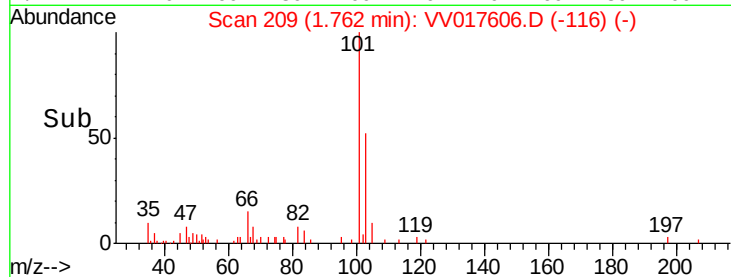
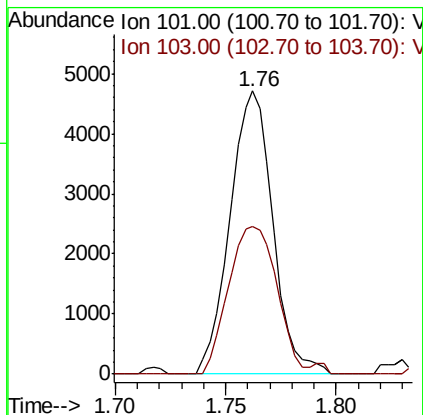
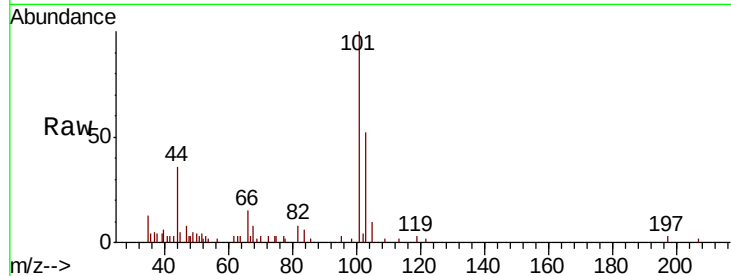


#9

Trichlorofluoromethane
 Concen: 0.261 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

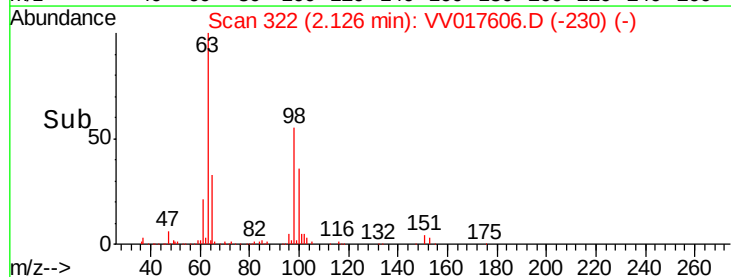
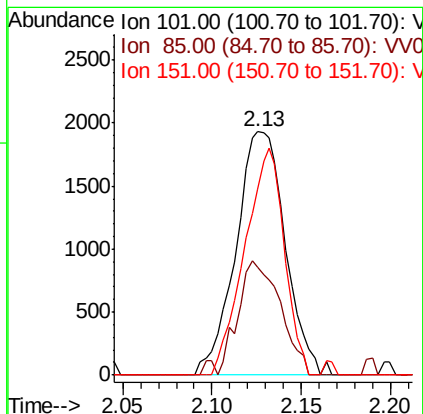
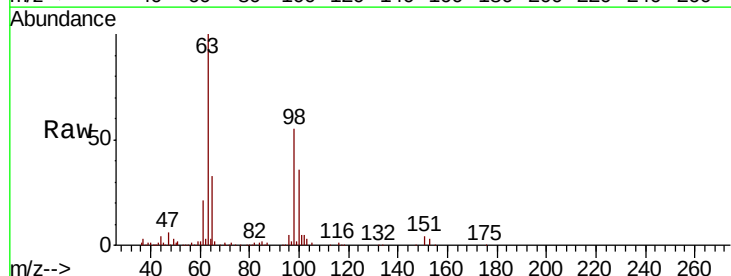
Tot Ion:101 Resp: 6354
 Ion Ratio Lower Upper
 101 100
 103 59.1 51.7 77.5

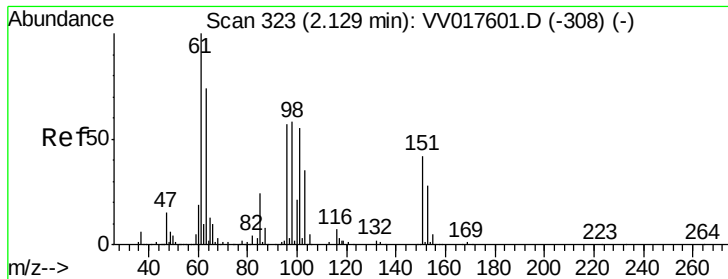


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.329 ug/L
 RT: 2.13 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion:101 Resp: 3738
 Ion Ratio Lower Upper
 101 100
 85 41.4 34.6 51.8
 151 74.9 63.5 95.3

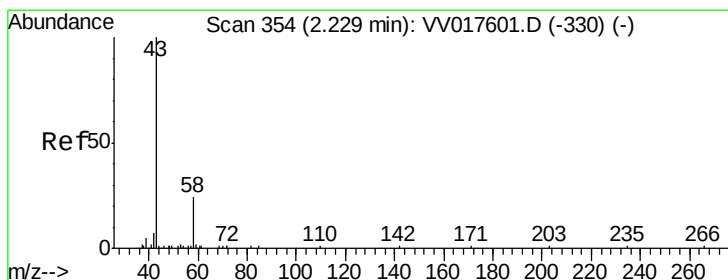
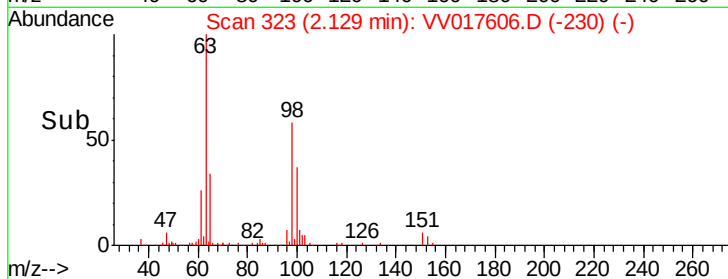
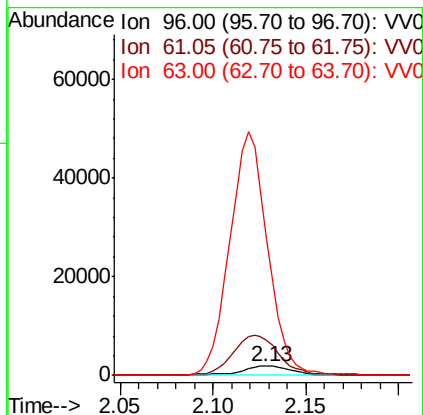
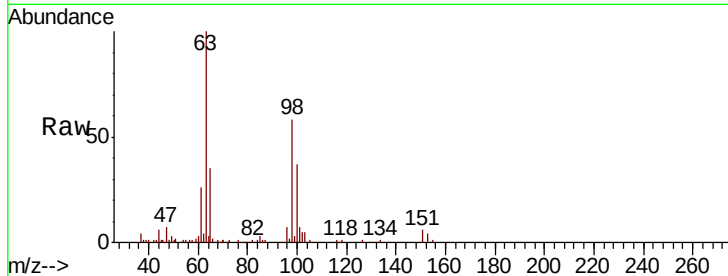




#12
 1,1-Dichloroethene
 Concen: 0.349 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

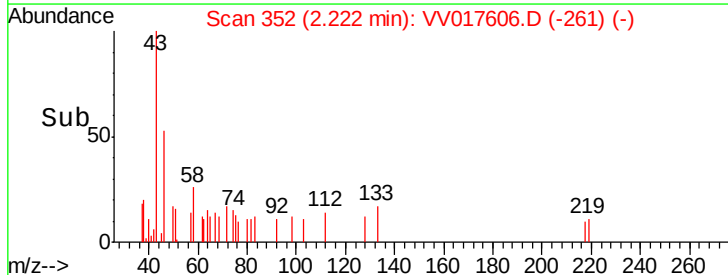
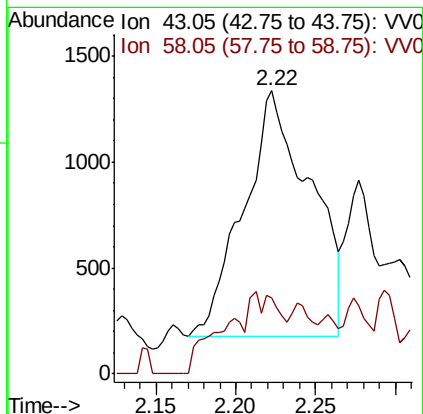
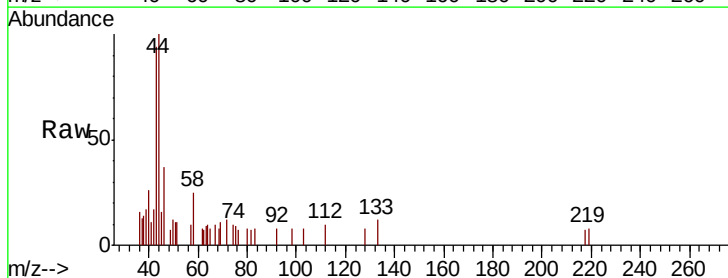
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

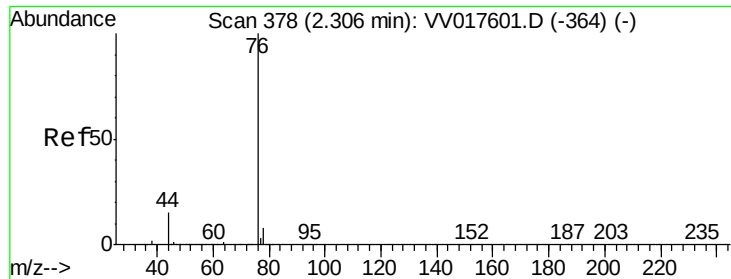
Tot Ion: 96 Resp: 3572
 Ion Ratio Lower Upper
 96 100
 61 383.0 123.1 228.7#
 63 1459.1 91.2 169.4#



#13
 Acetone
 Concen: 1.955 ug/L
 RT: 2.22 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion: 43 Resp: 3327
 Ion Ratio Lower Upper
 43 100
 58 2.6 0.0 18.6





#14

Carbon disulfide

Concen: 0.282 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

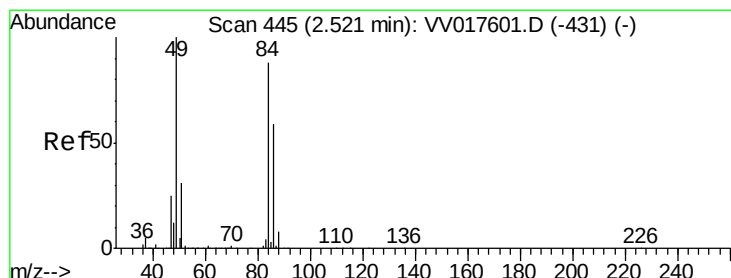
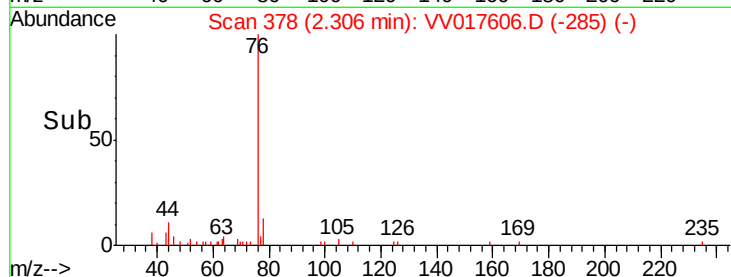
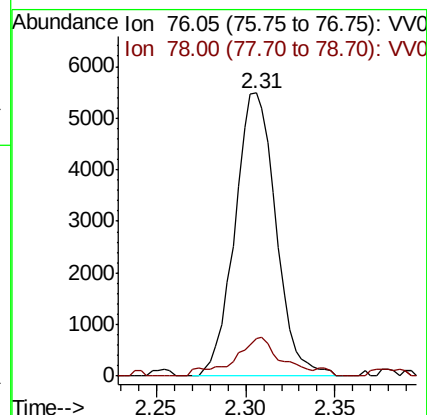
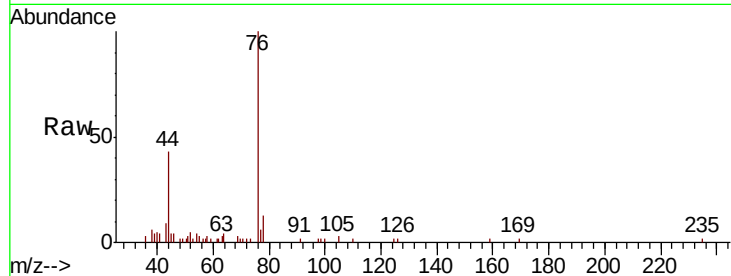
MDL01

Tot Ion: 76 Resp: 8800

Ion Ratio Lower Upper

76 100

78 13.4 6.6 10.0#



#16

Methylene chloride

Concen: 0.491 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

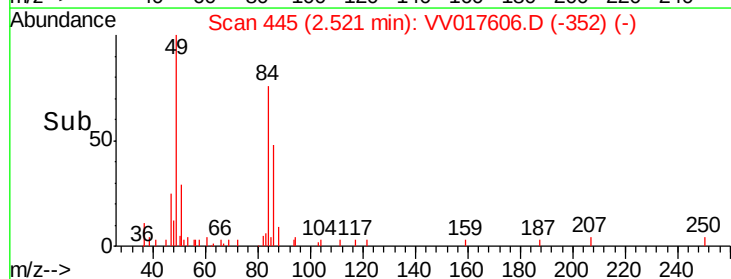
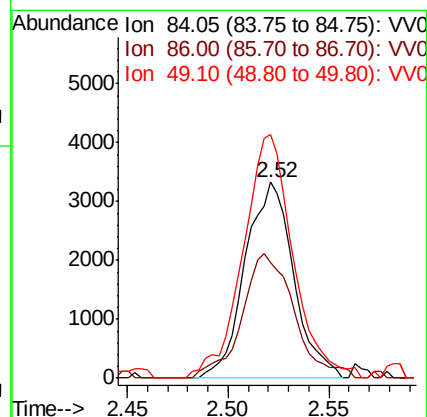
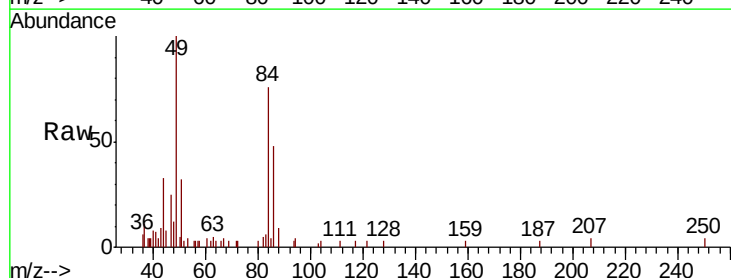
Tgt Ion: 84 Resp: 5602

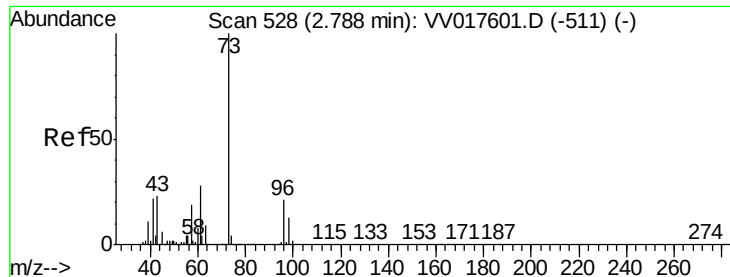
Ion Ratio Lower Upper

84 100

86 59.1 46.5 86.3

49 124.3 79.2 147.2



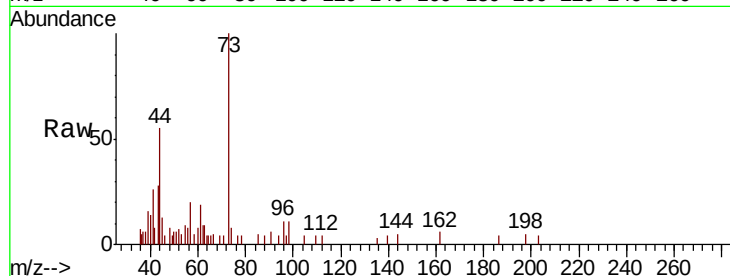


#17

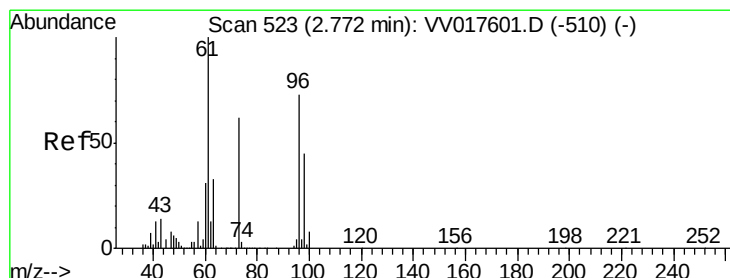
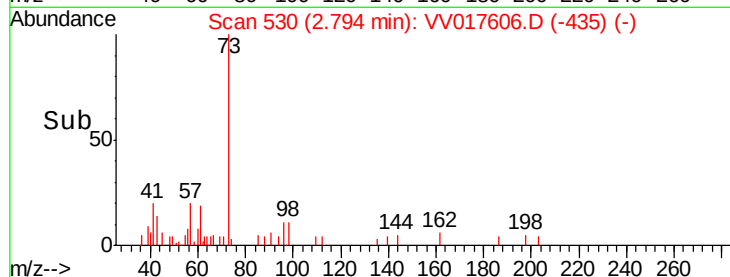
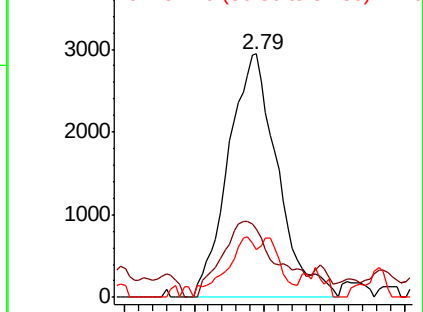
Methyl tert-butyl Ether
 Concen: 0.273 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:	73	Resp:	7163
Ion	Ratio	Lower	Upper
73	100		
43	0.0	18.3	27.5#
57	7.1	16.7	25.1#



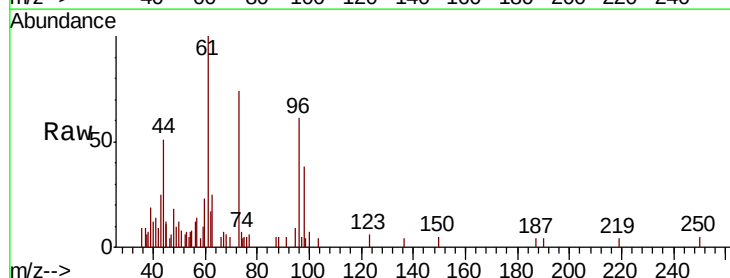
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



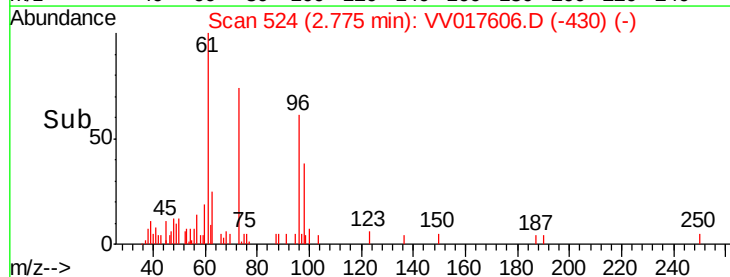
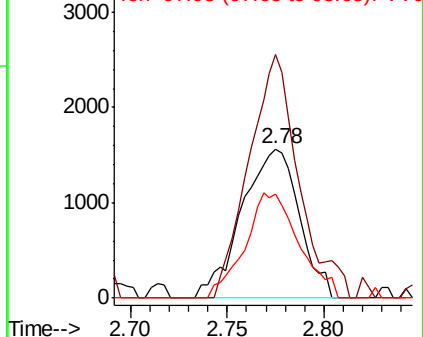
#18

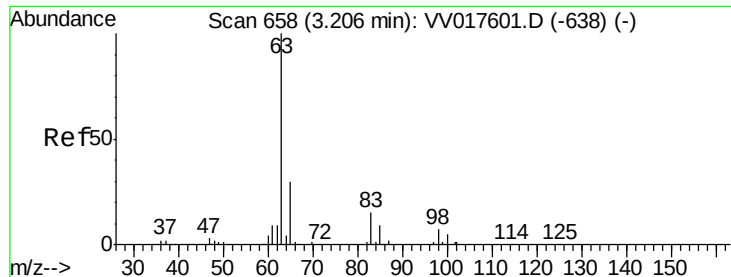
trans-1,2-Dichloroethene
 Concen: 0.288 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion:	96	Resp:	3220
Ion	Ratio	Lower	Upper
96	100		
61	163.1	96.0	178.4
98	69.6	43.5	80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

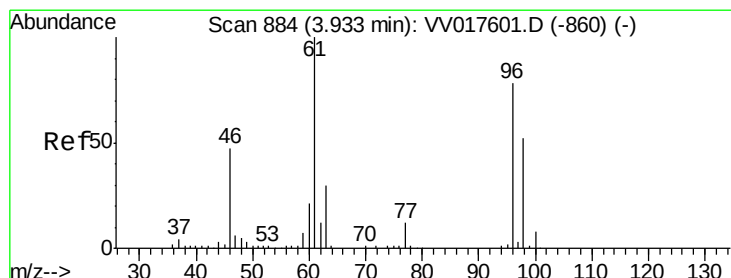
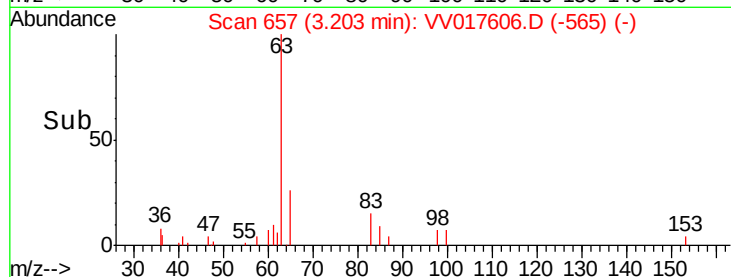
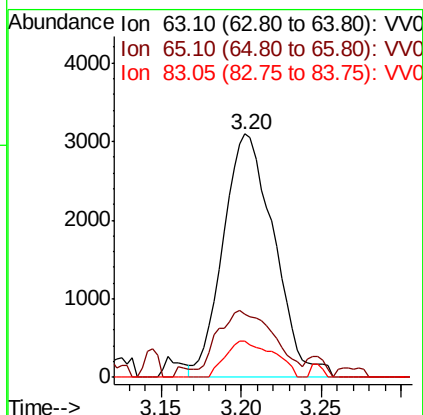
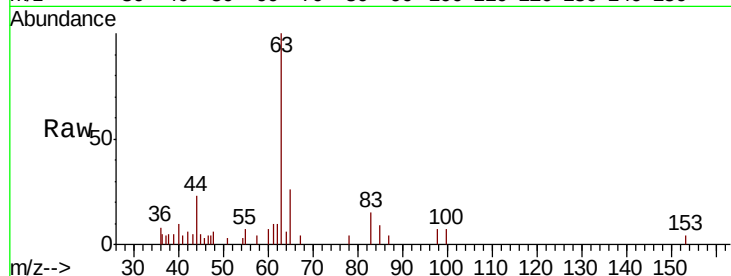




#19
 1,1-Dichloroethane
 Concen: 0.287 ug/L
 RT: 3.20 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

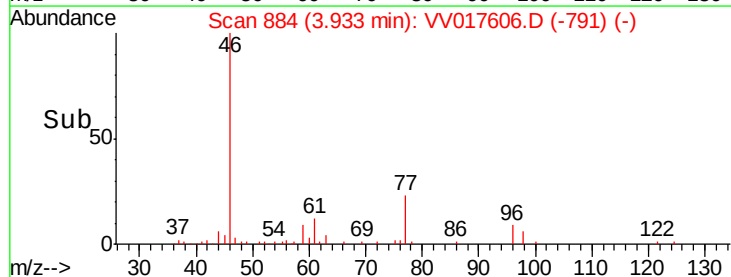
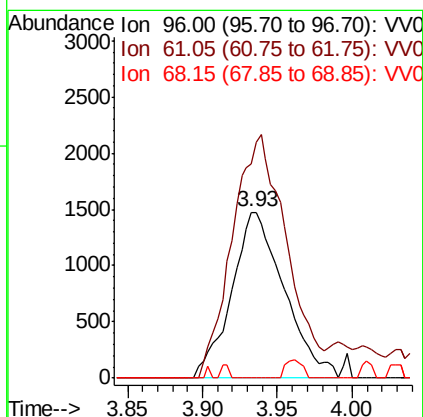
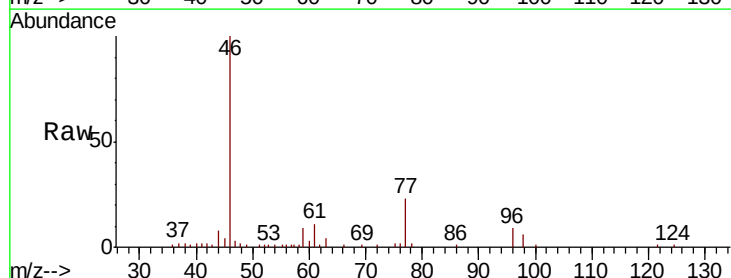
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

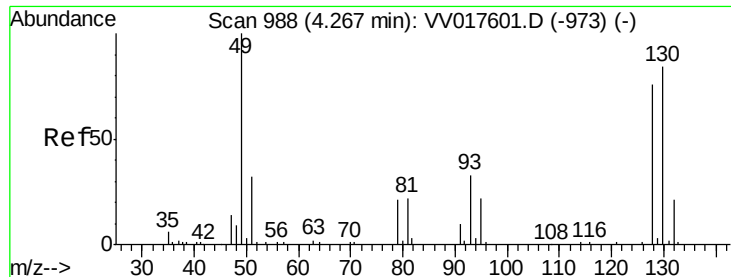
Tot Ion: 63 Resp: 6747
 Ion Ratio Lower Upper
 63 100
 65 26.0 21.4 39.8
 83 14.7 10.4 19.4



#22
 cis-1,2-Dichloroethene
 Concen: 0.257 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion: 96 Resp: 3608
 Ion Ratio Lower Upper
 96 100
 61 129.2 89.6 166.4
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.269 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

Tot Ion:128 Resp: 1744

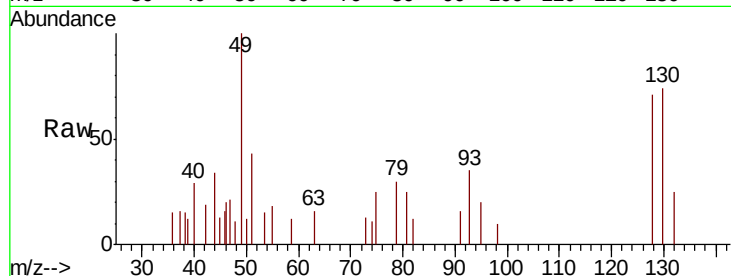
Ion Ratio Lower Upper

128 100

49 141.5 92.2 171.2

130 104.2 77.2 143.4

51 60.7 33.8 50.6#

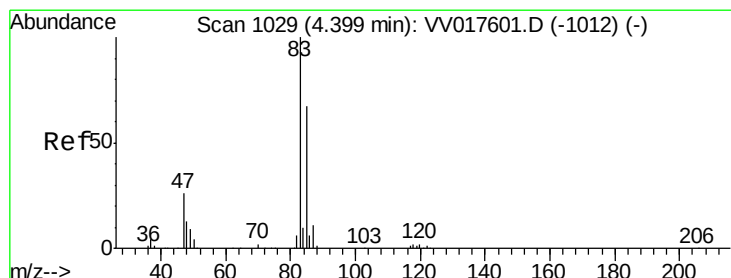
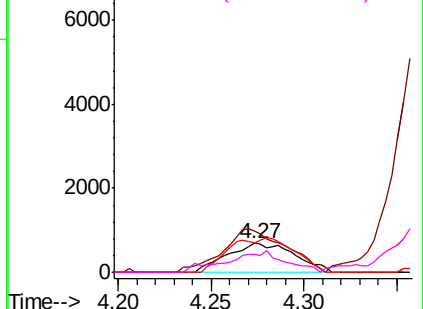
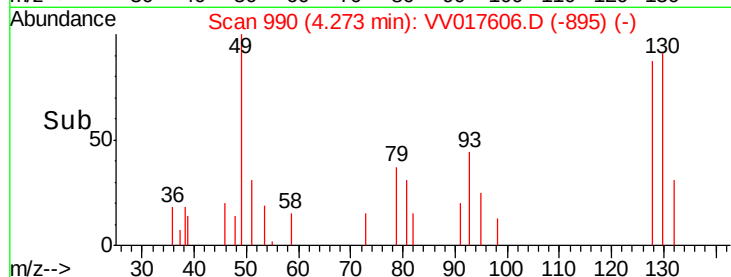


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.277 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV017606.D

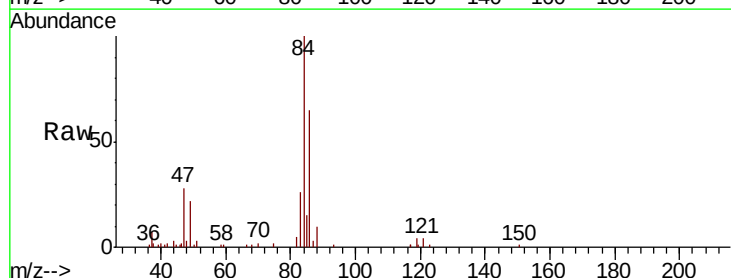
Acq: 23 Jul 2020 16:15

Tgt Ion: 83 Resp: 7307

Ion Ratio Lower Upper

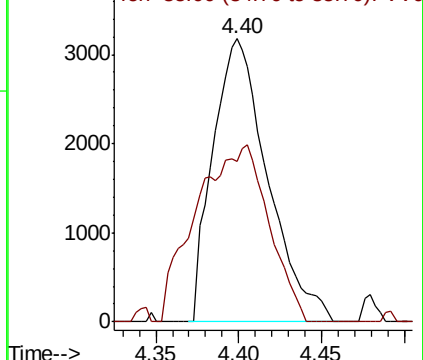
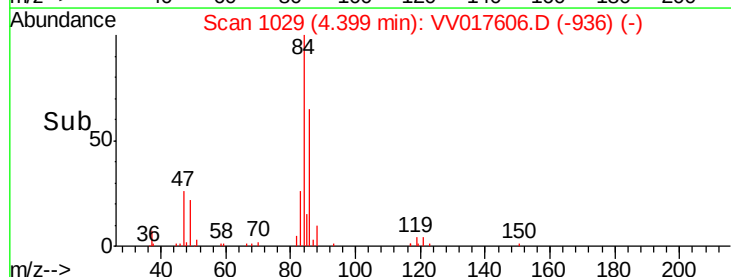
83 100

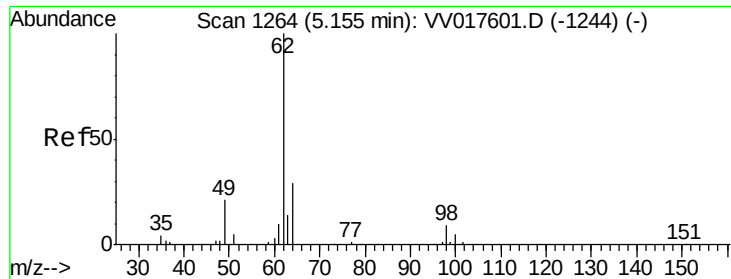
85 56.9 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

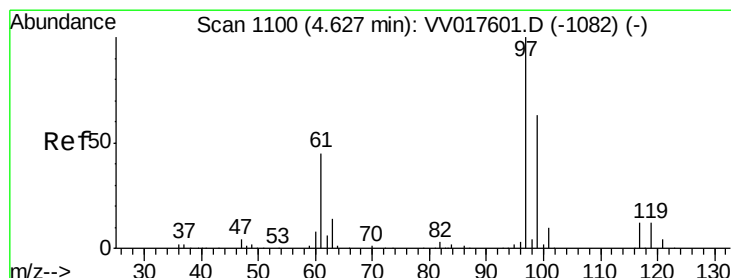
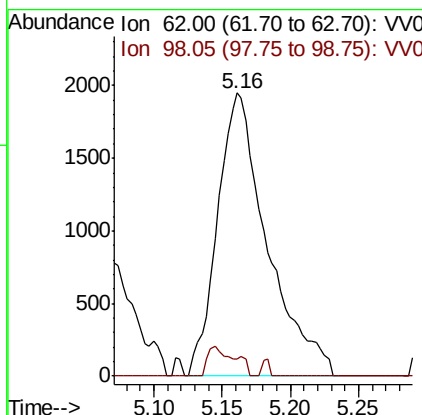
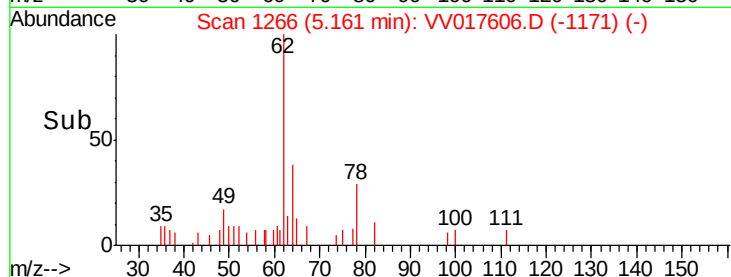
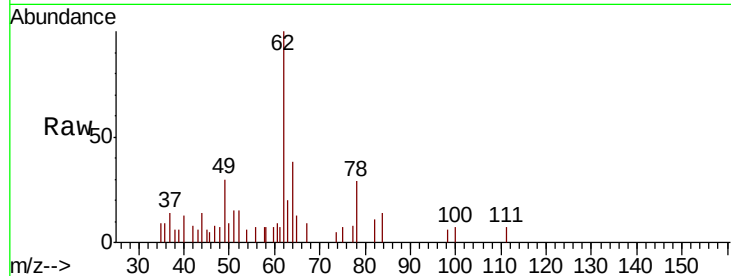




#27
 1,2-Dichloroethane
 Concen: 0.288 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

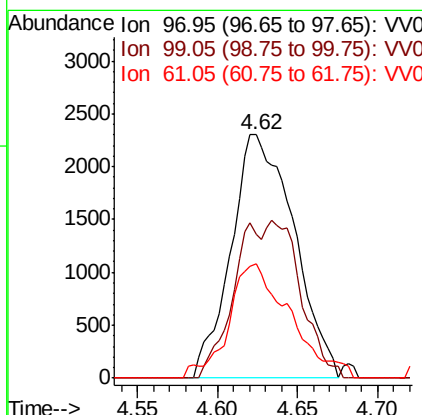
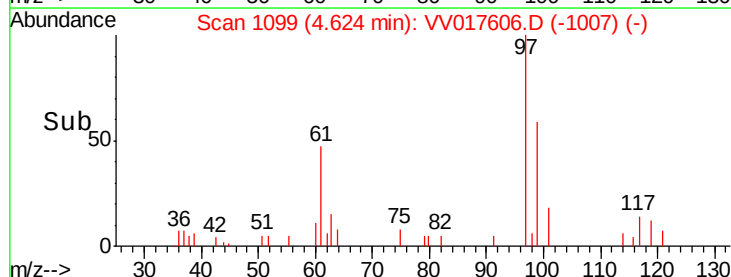
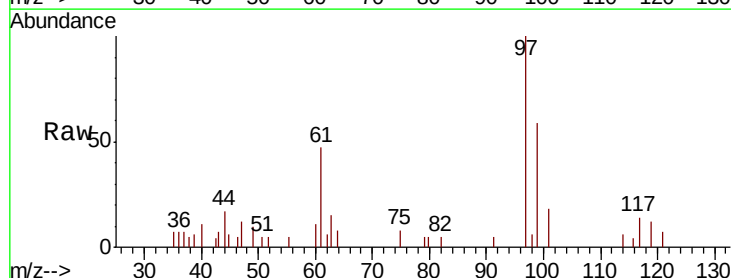
Instrument :
 MSVOA_V
 ClientSampled :
 MDL01

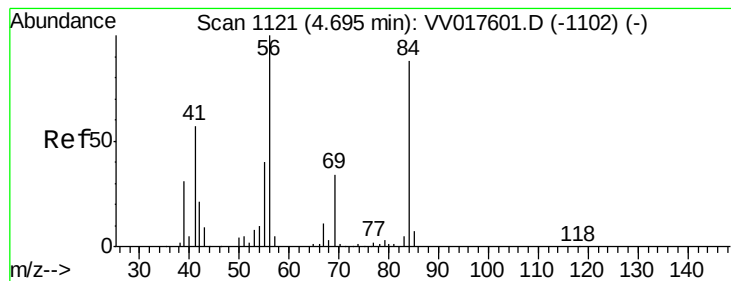
Tot Ion: 62 Resp: 4924
 Ion Ratio Lower Upper
 62 100
 98 6.1 7.0 10.6#



#29
 1,1,1-Trichloroethane
 Concen: 0.240 ug/L
 RT: 4.62 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion: 97 Resp: 6216
 Ion Ratio Lower Upper
 97 100
 99 29.6 50.6 76.0#
 61 45.9 35.7 53.5





#30

Cyclohexane

Concen: 0.247 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

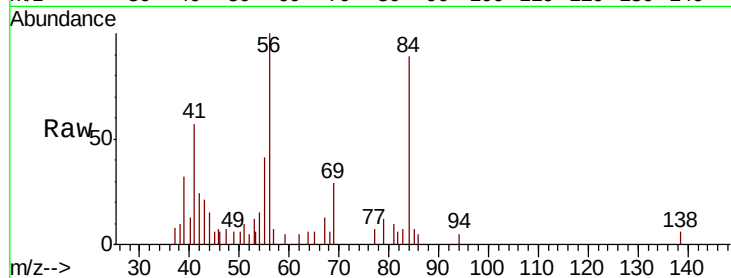
Tot Ion: 56 Resp: 5084

Ion Ratio Lower Upper

56 100

69 34.8 25.4 38.2

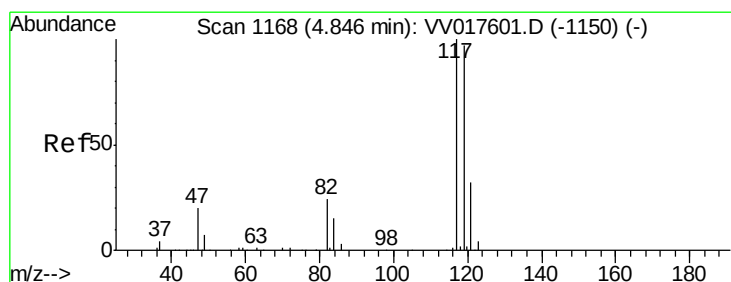
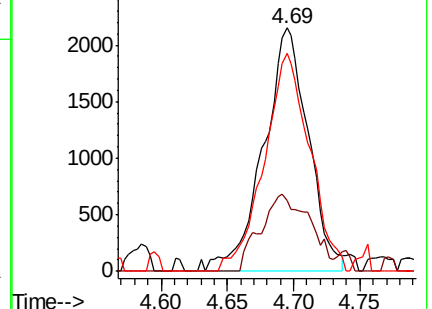
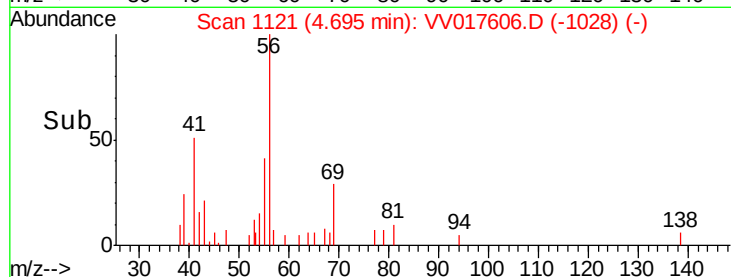
84 90.8 73.0 109.4



Abundance Ion 56.10 (55.80 to 56.80): VV017606.D (-1028) (-)

Ion 69.15 (68.85 to 69.85): VV017606.D (-1028) (-)

Ion 84.15 (83.85 to 84.85): VV017606.D (-1028) (-)



#31

Carbon tetrachloride

Concen: 0.241 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV017606.D

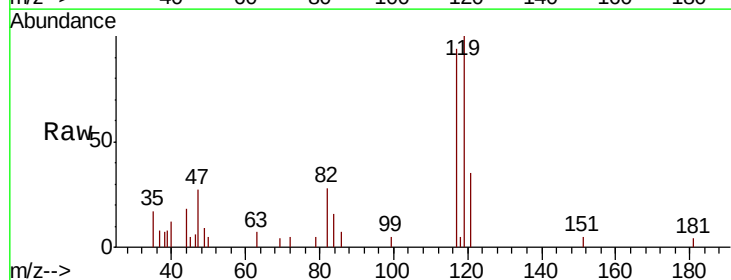
Acq: 23 Jul 2020 16:15

Tgt Ion: 117 Resp: 5558

Ion Ratio Lower Upper

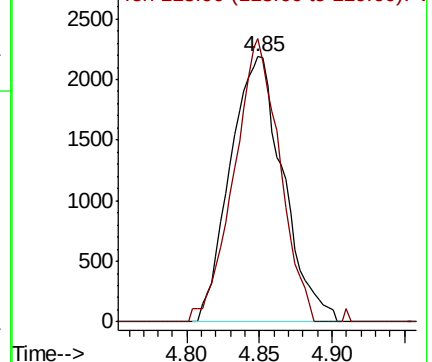
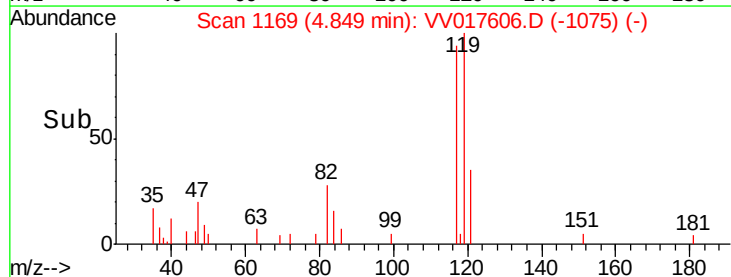
117 100

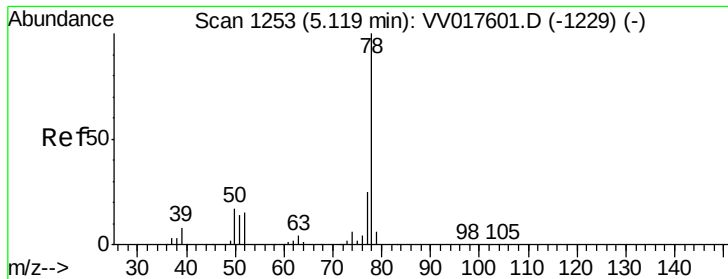
119 91.9 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): VV017606.D (-1075) (-)

Ion 118.90 (118.60 to 119.60): VV017606.D (-1075) (-)

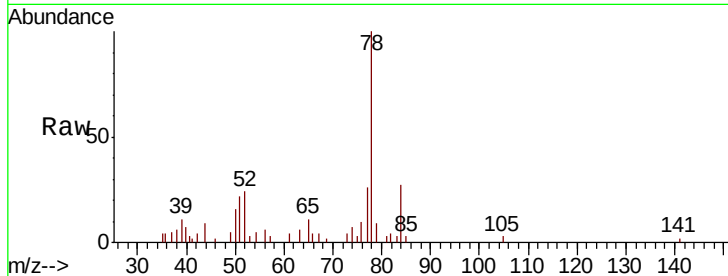




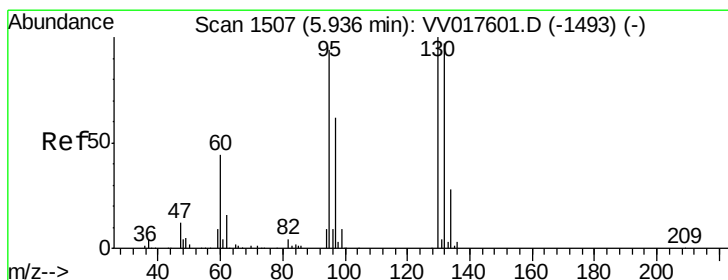
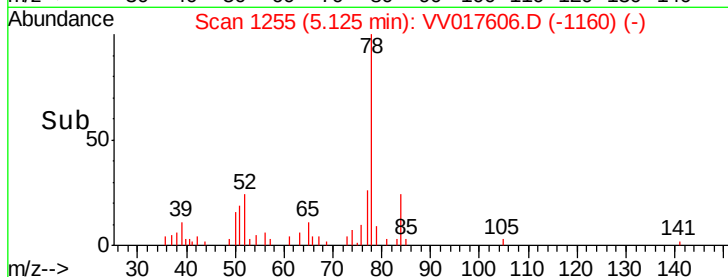
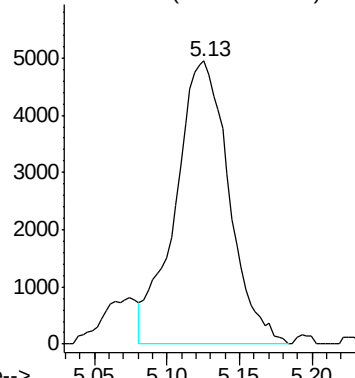
#33
Benzene
Concen: 0.243 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampled :
MDL01

Tgt Ion: 78 Resp: 12759



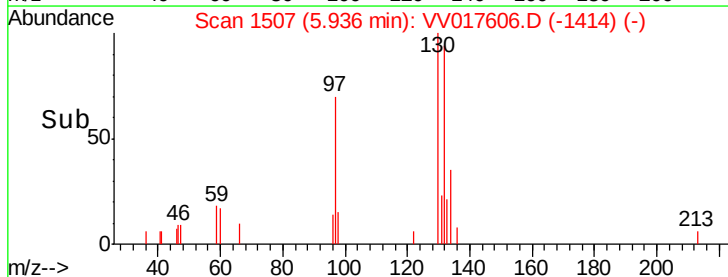
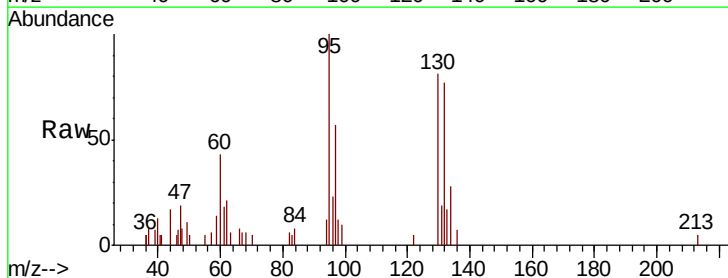
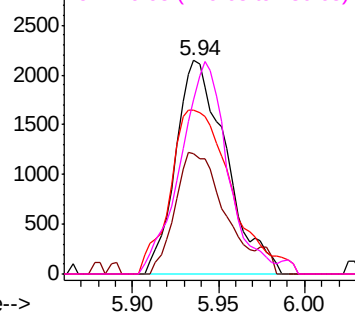
Abundance Ion 78.10 (77.80 to 78.80): VV0

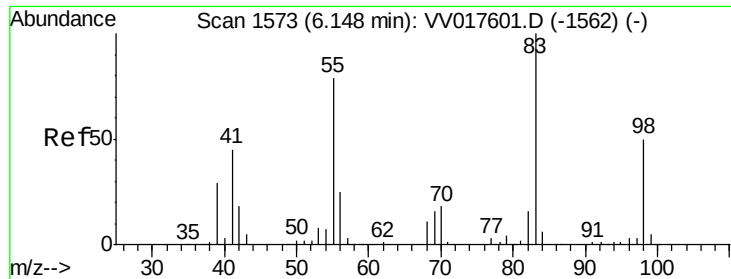


#34
Trichloroethene
Concen: 0.298 ug/L
RT: 5.94 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion: 95 Resp: 4375
Ion Ratio Lower Upper
95 100
97 56.7 46.1 85.5
132 76.8 71.7 133.1
130 81.4 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): VV0
Ion 129.95 (129.65 to 130.65): VV0

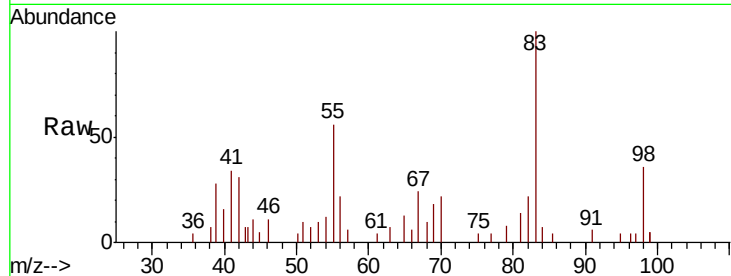




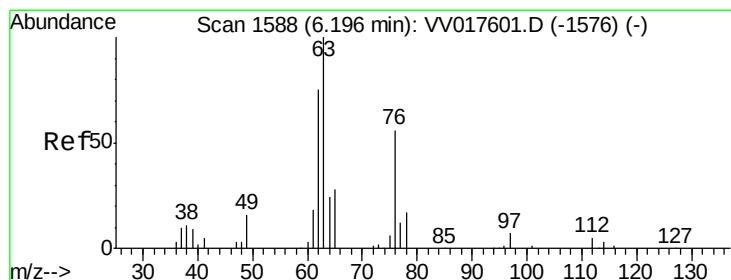
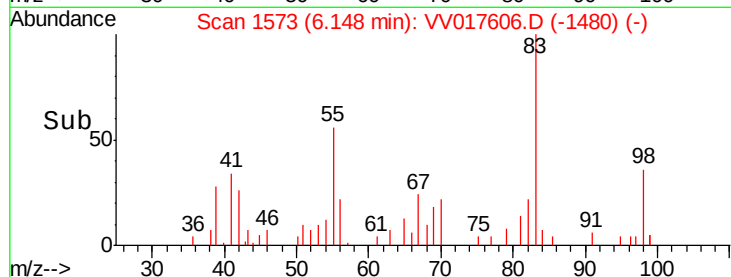
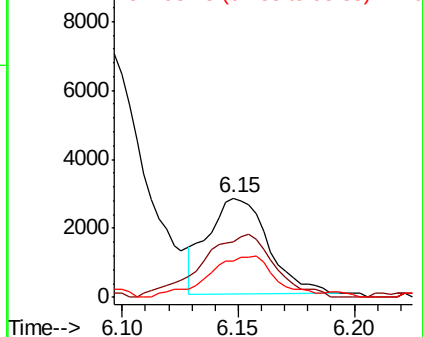
#35
Methylcyclohexane
Concen: 0.227 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion: 83 Resp: 5029
Ion Ratio Lower Upper
83 100
55 79.1 61.8 92.8
98 48.2 39.0 58.6

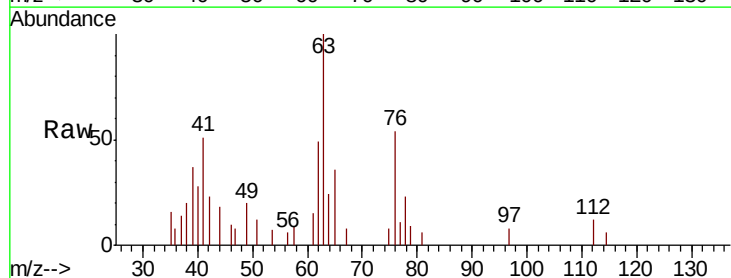


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

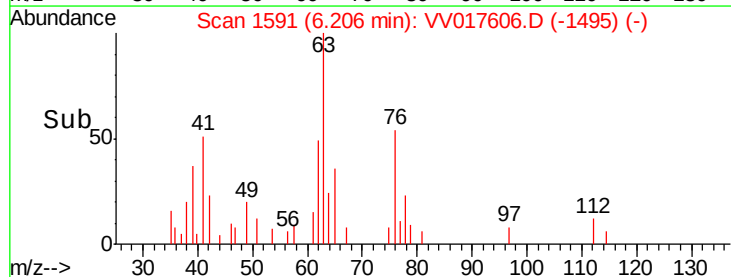
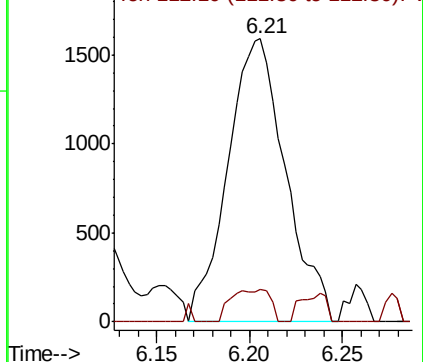


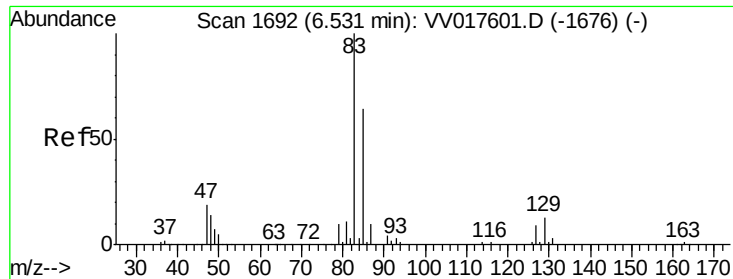
#37
1,2-Dichloropropane
Concen: 0.280 ug/L
RT: 6.21 min Scan# 1591
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion: 63 Resp: 3450
Ion Ratio Lower Upper
63 100
112 7.7 4.5 6.7#



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

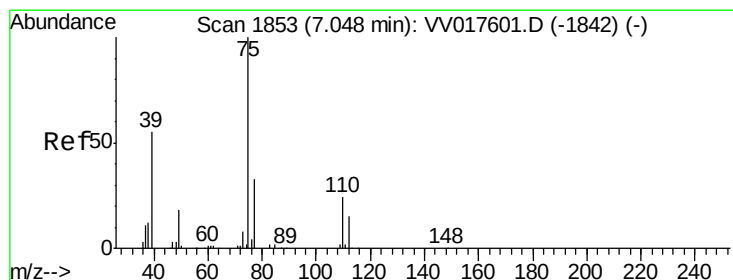
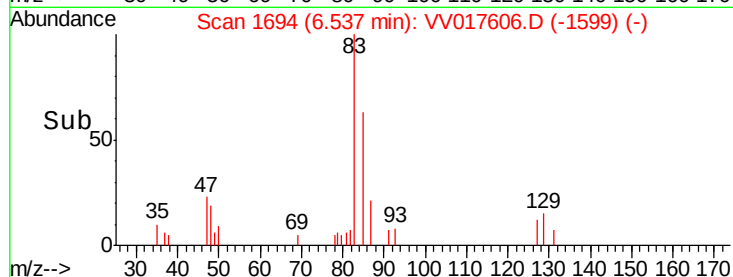
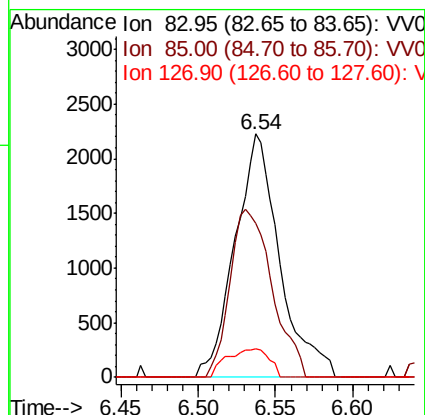
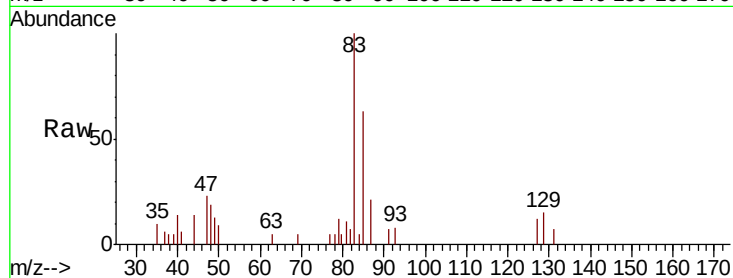




#38
 Bromodichloromethane
 Concen: 0.247 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

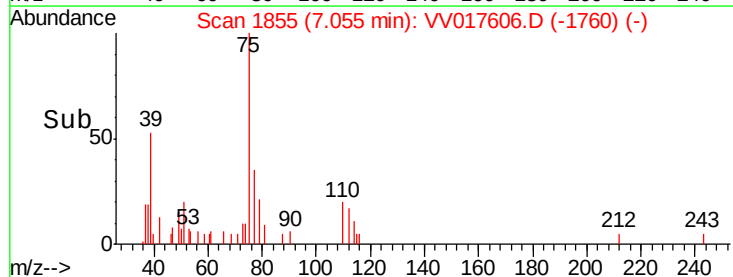
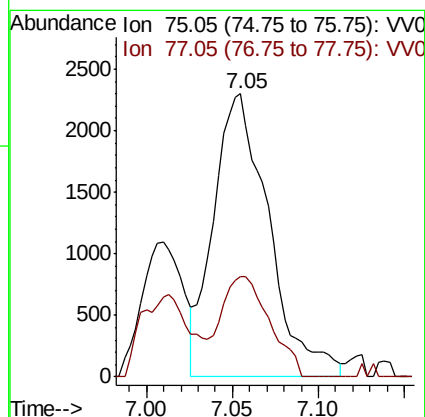
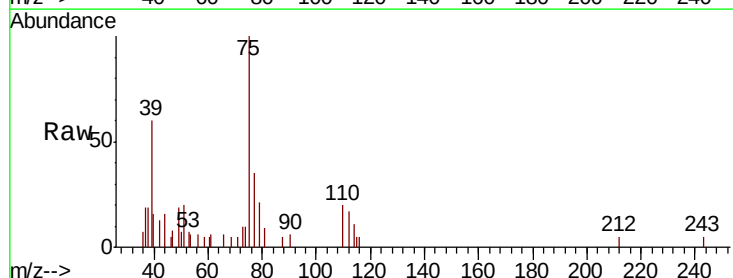
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

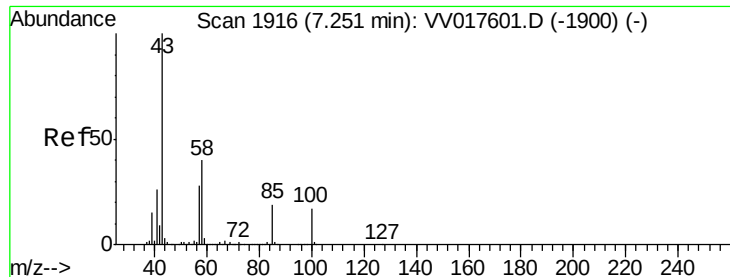
Tot Ion: 83 Resp: 4475
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.7 83.1
 127 11.7 7.4 11.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.278 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion: 75 Resp: 5169
 Ion Ratio Lower Upper
 75 100
 77 35.3 23.2 43.2

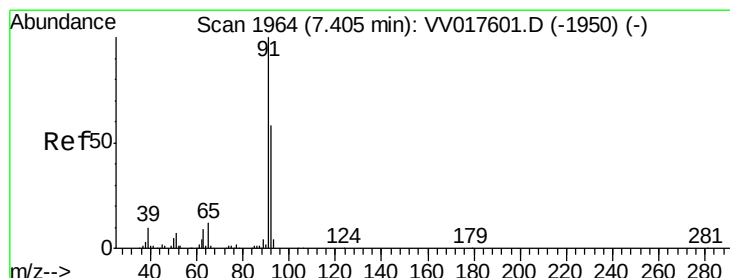
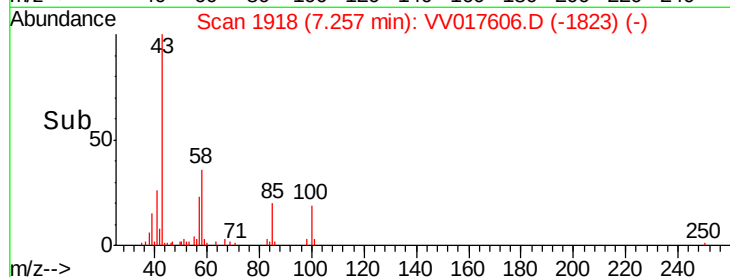
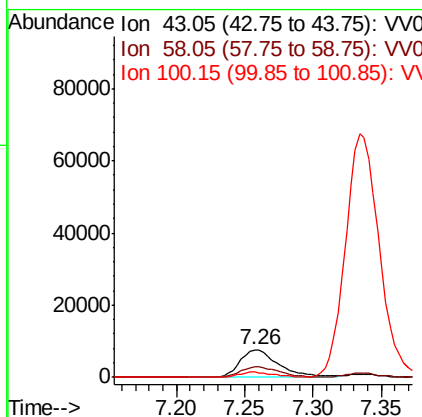
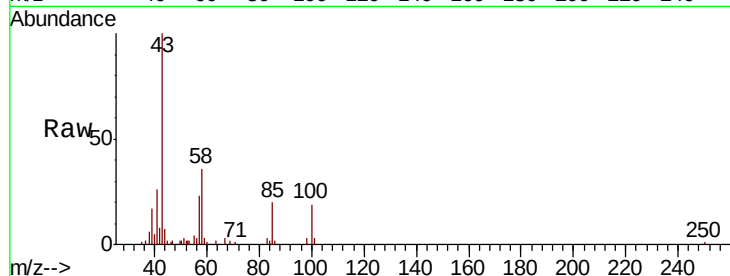




#40
4-Methyl-2-pentanone
Concen: 2.252 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

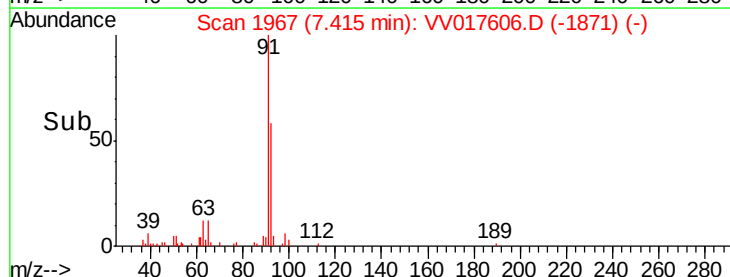
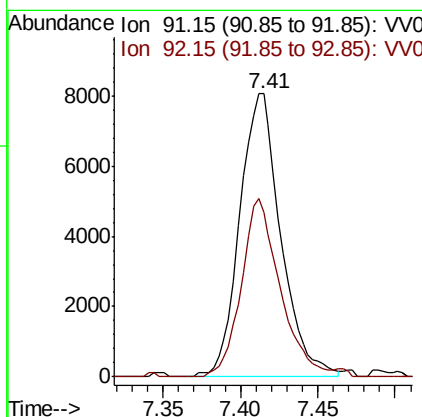
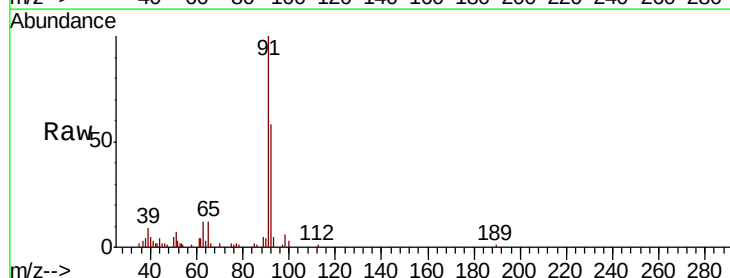
Instrument :
MSVOA_V
ClientSampleId :
MDL01

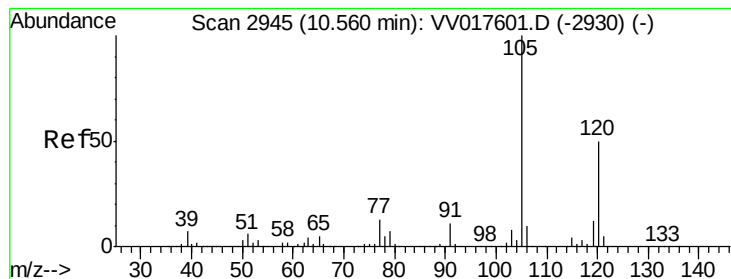
Tot Ion: 43 Resp: 15238
Ion Ratio Lower Upper
43 100
58 37.9 31.2 46.8
100 0.0 13.6 20.4#



#42
Toluene
Concen: 0.260 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV017606.D
Acq: 23 Jul 2020 16:15

Tgt Ion: 91 Resp: 14892
Ion Ratio Lower Upper
91 100
92 58.3 40.8 75.8





#43

1,3,5-Trimethylbenzene

Concen: 0.203 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

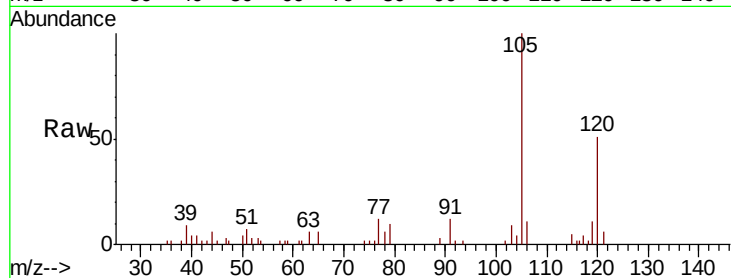
MDL01

Tot Ion:105 Resp: 10869

Ion Ratio Lower Upper

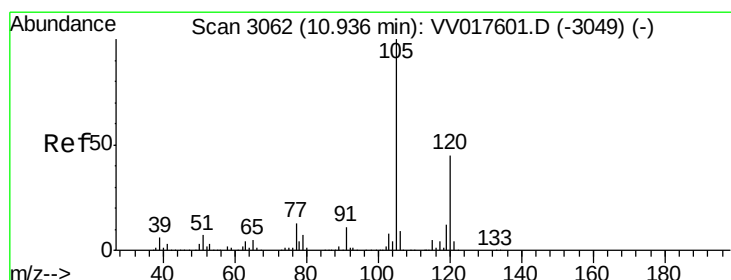
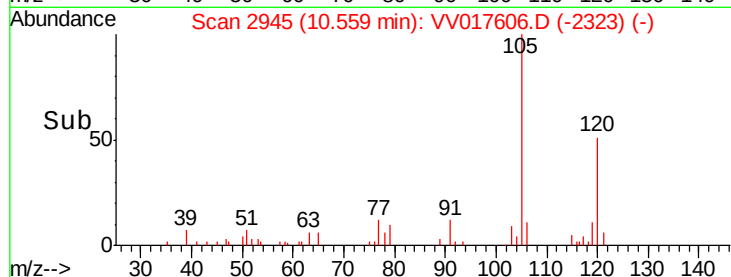
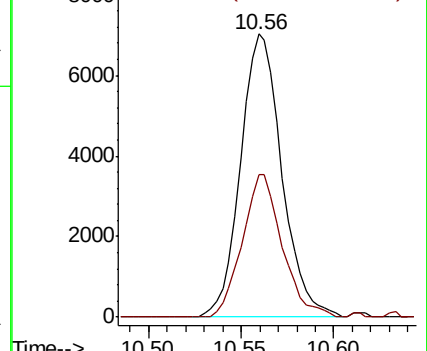
105 100

120 48.6 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.199 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017606.D

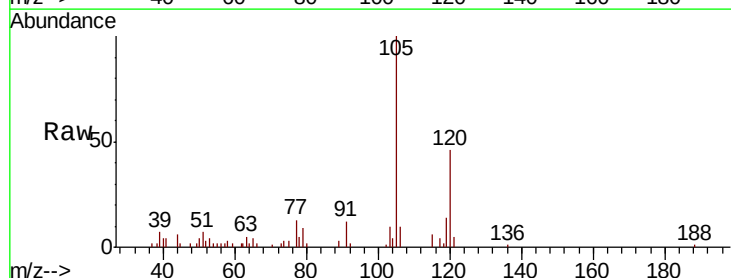
Acq: 23 Jul 2020 16:15

Tgt Ion:105 Resp: 10897

Ion Ratio Lower Upper

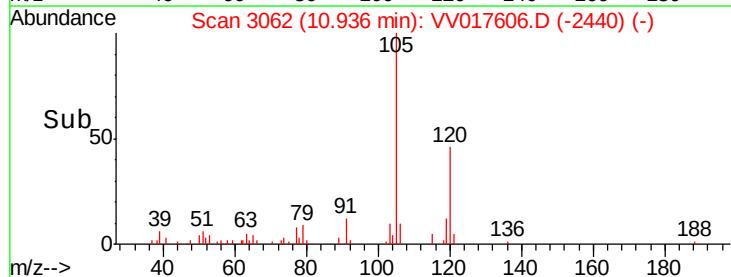
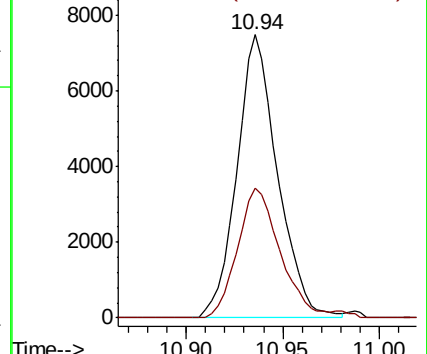
105 100

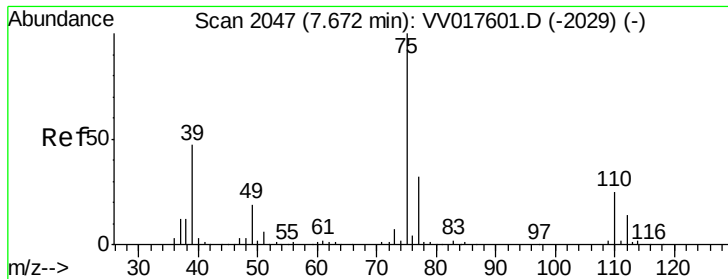
120 49.1 35.9 53.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#46

trans-1,3-Dichloropropene

Concen: 0.328 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

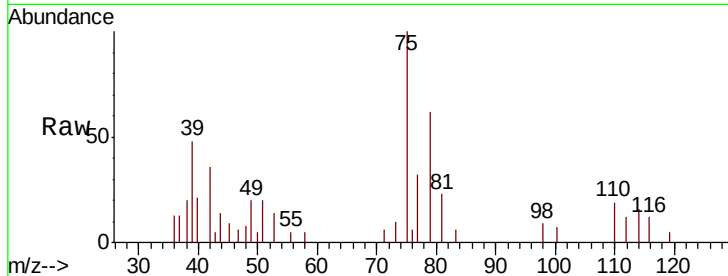
MDL01

Tot Ion: 75 Resp: 5480

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

2500

2000

1500

1000

500

0

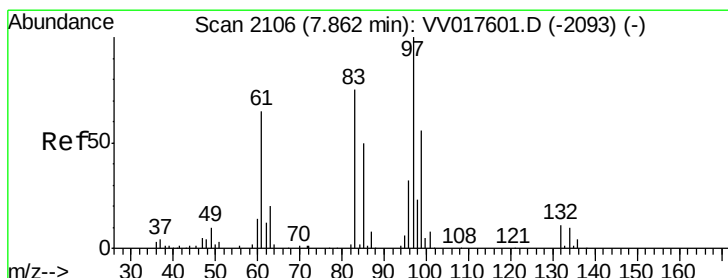
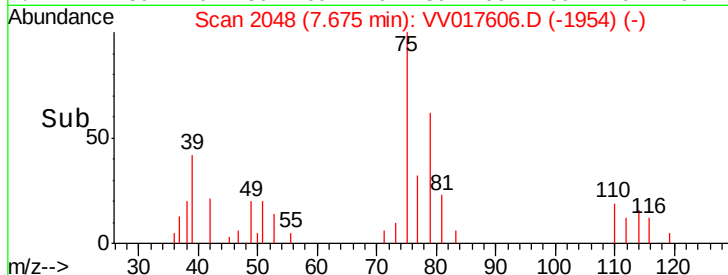
7.60

7.65

7.70

7.75

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.245 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion: 97 Resp: 2290

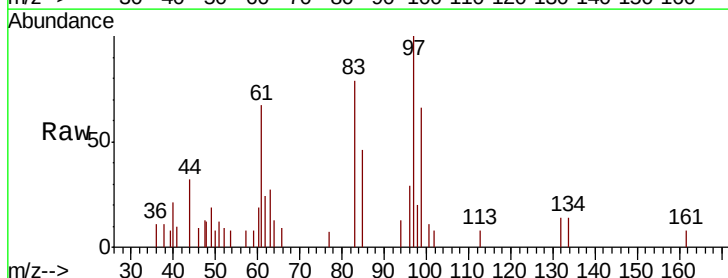
Ion Ratio Lower Upper

97 100

99 65.8 39.5 73.4

83 79.2 52.6 97.6

85 46.1 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

2000

1500

1000

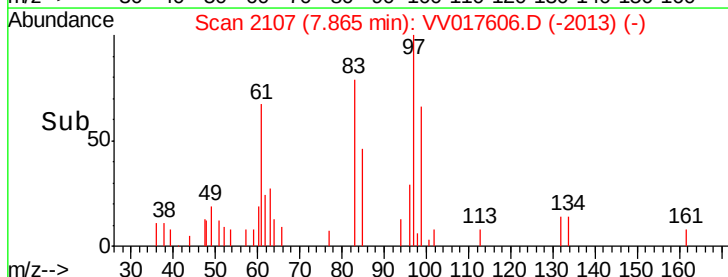
500

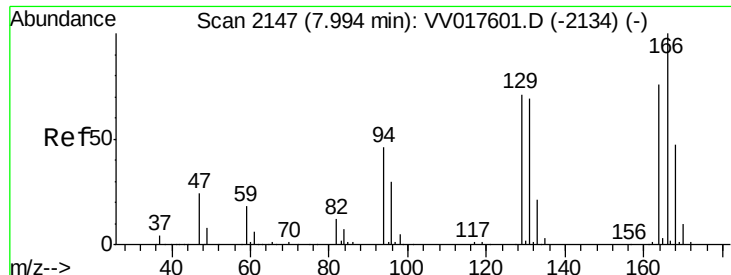
0

7.85

7.90

Time-->





#49

Tetrachloroethene

Concen: 0.229 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion:164 Resp: 2964

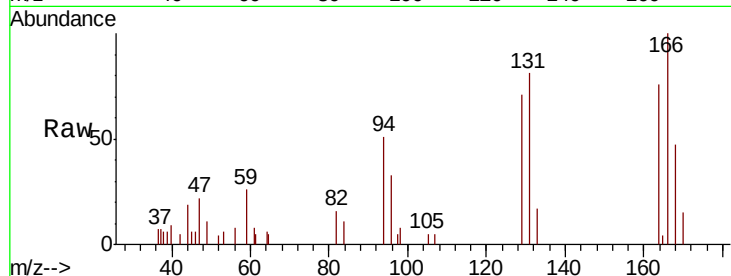
Ion Ratio Lower Upper

164 100

129 93.3 65.0 120.8

131 106.4 63.6 118.2

166 131.1 91.7 170.3

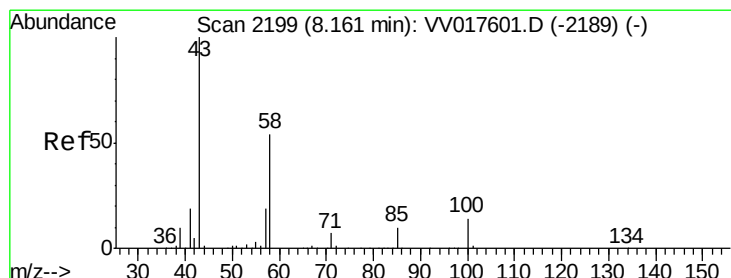
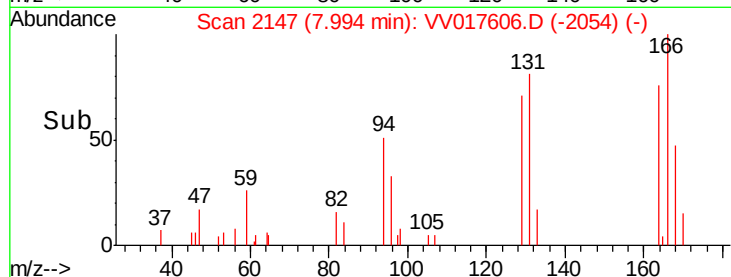
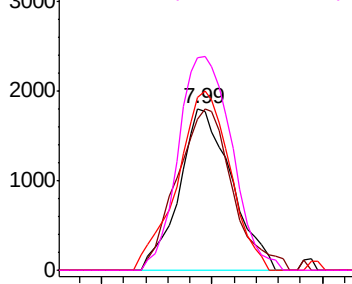


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.414 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Tgt Ion: 43 Resp: 16344

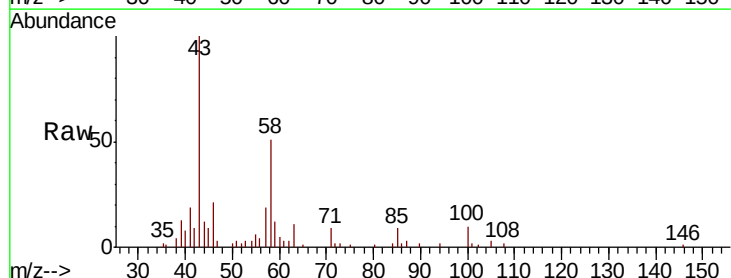
Ion Ratio Lower Upper

43 100

58 47.9 41.6 62.4

57 21.9 15.4 23.0

100 8.4 11.2 16.8#

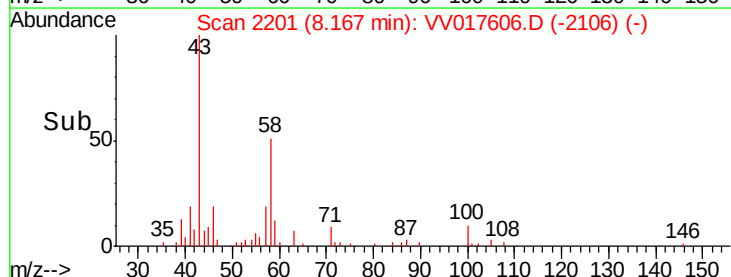
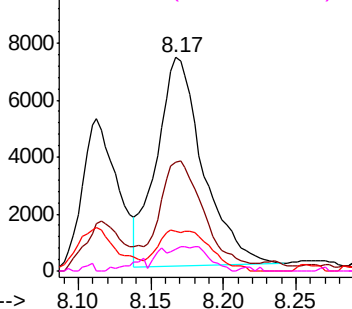


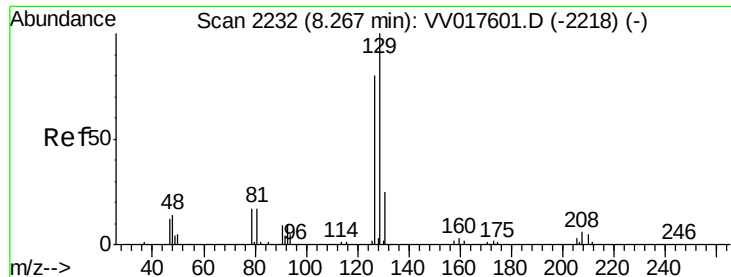
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

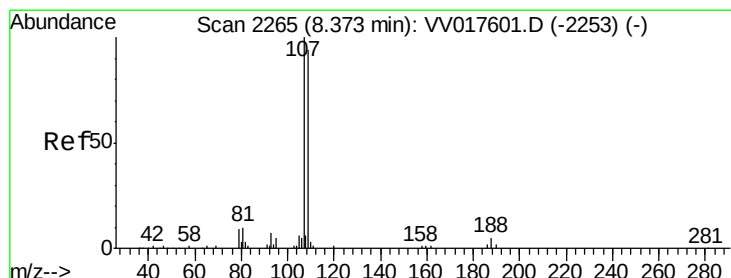
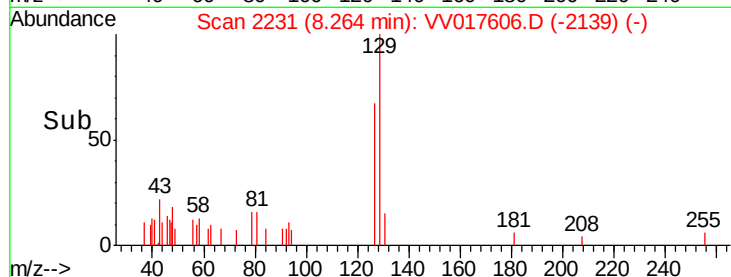
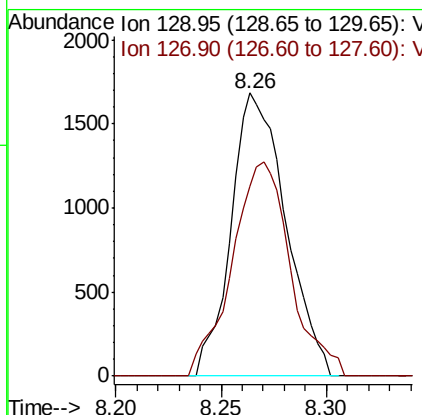
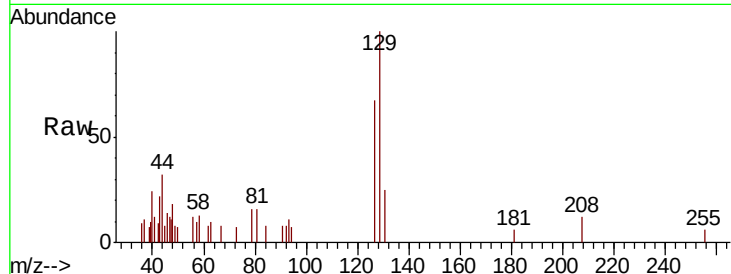




#51
 Dibromochloromethane
 Concen: 0.255 ug/L
 RT: 8.26 min Scan# 2231
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

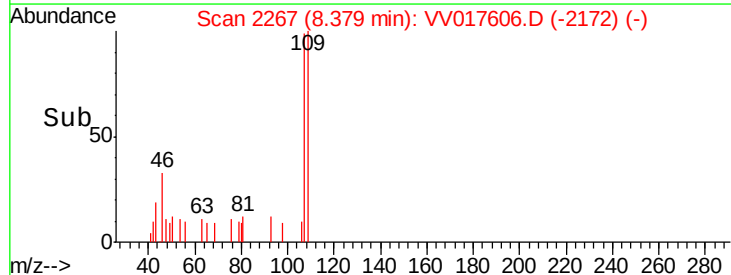
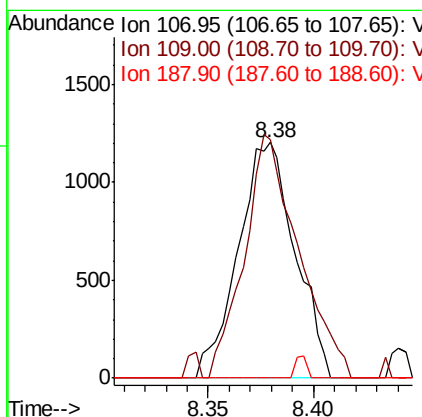
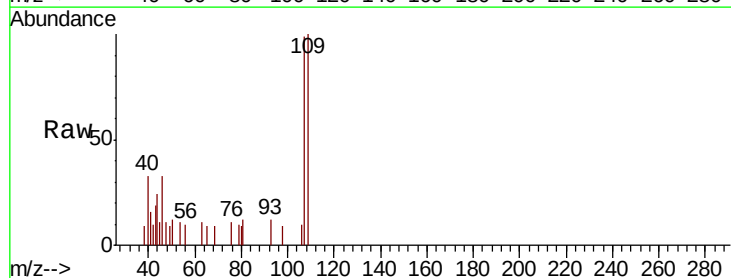
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

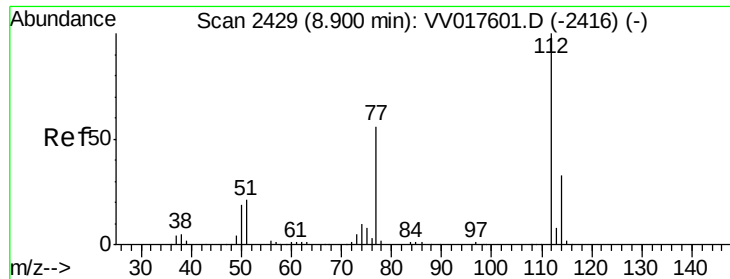
Tot Ion:129 Resp: 3040
 Ion Ratio Lower Upper
 129 100
 127 67.1 56.3 104.5



#52
 1,2-Dibromoethane
 Concen: 0.255 ug/L
 RT: 8.38 min Scan# 2267
 Delta R.T. 0.01 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion:107 Resp: 2254
 Ion Ratio Lower Upper
 107 100
 109 101.3 65.5 121.7
 188 0.0 3.7 5.5#





#53

Chlorobenzene

Concen: 0.261 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampled :

MDL01

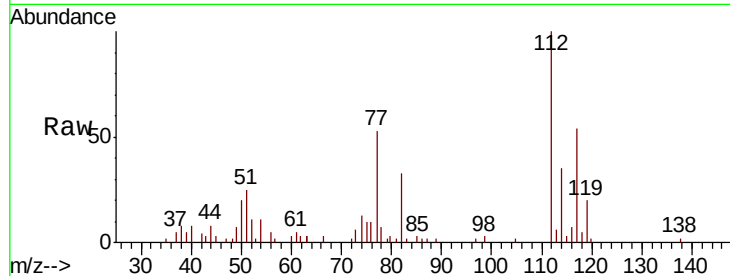
Tot Ion:112 Resp: 9956

Ion Ratio Lower Upper

112 100

114 35.1 23.2 43.2

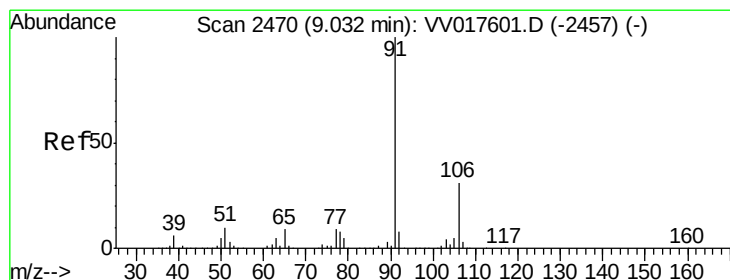
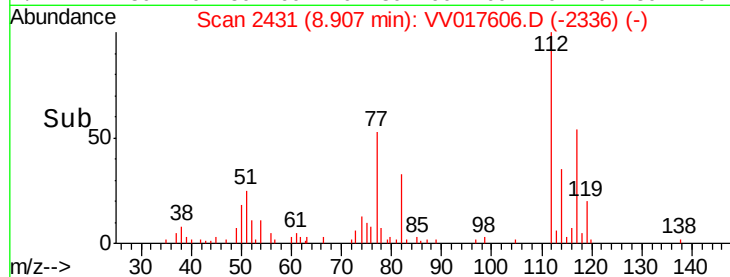
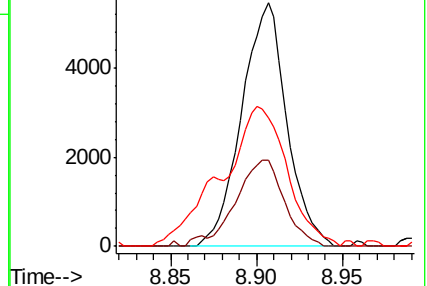
77 53.0 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 0.226 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017606.D

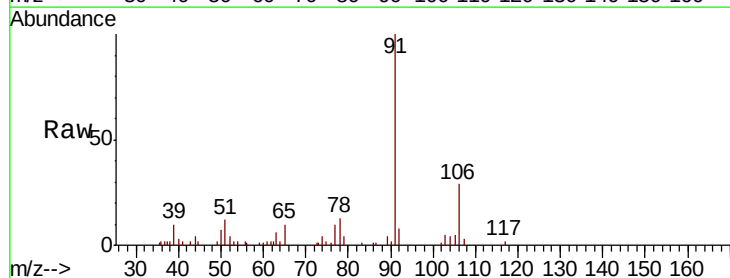
Acq: 23 Jul 2020 16:15

Tgt Ion: 91 Resp: 14495

Ion Ratio Lower Upper

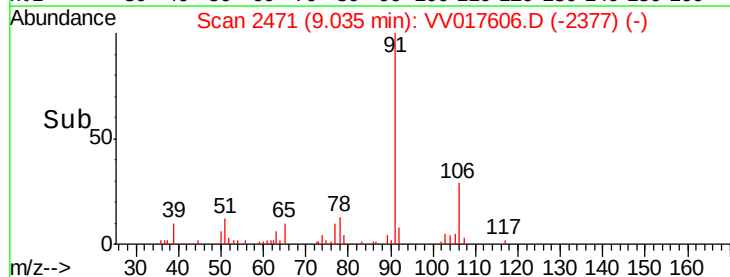
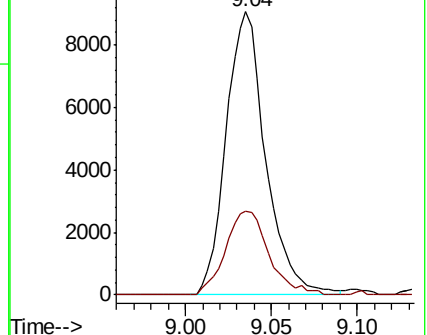
91 100

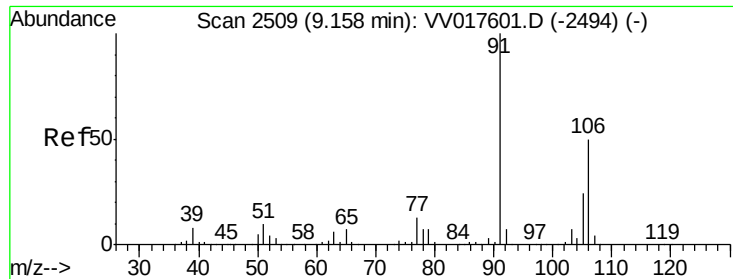
106 29.4 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.210 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

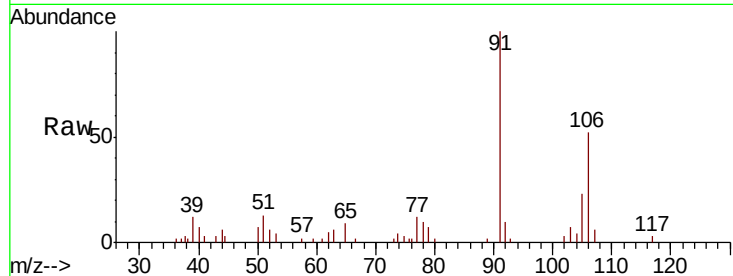
Instrument :
MSVOA_V
ClientSampled :
MDL01

Tot Ion:106 Resp: 5076

Ion Ratio Lower Upper

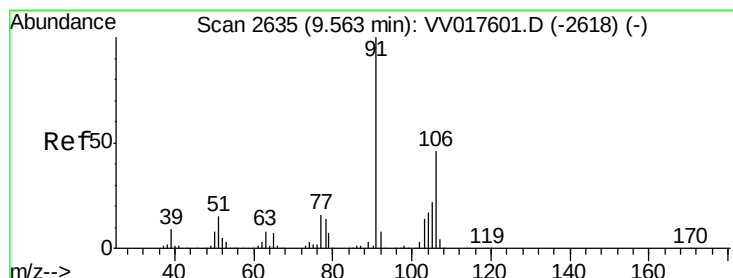
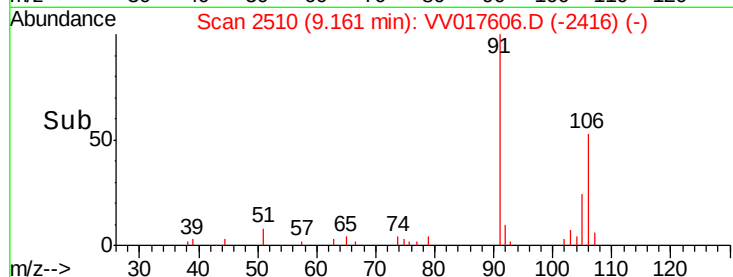
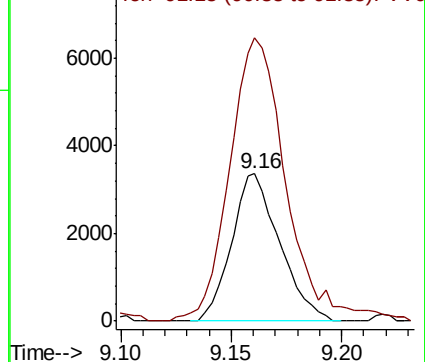
106 100

91 192.0 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.228 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017606.D

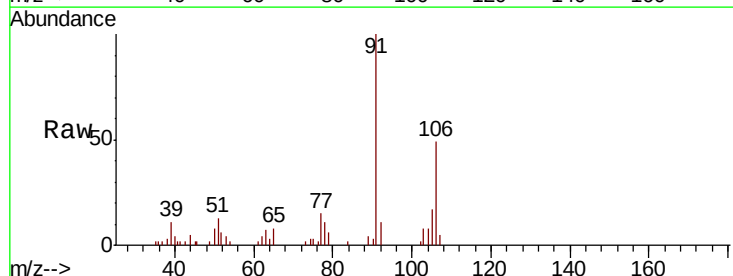
Acq: 23 Jul 2020 16:15

Tgt Ion:106 Resp: 5343

Ion Ratio Lower Upper

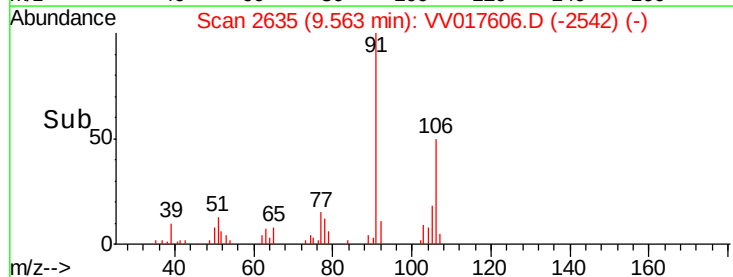
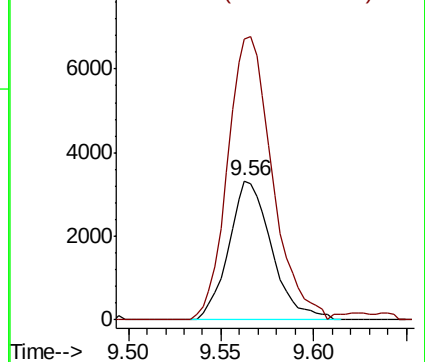
106 100

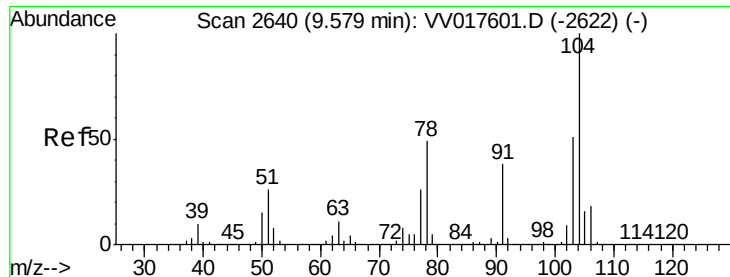
91 202.2 153.9 285.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Stvrene

Concen: 0.221 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

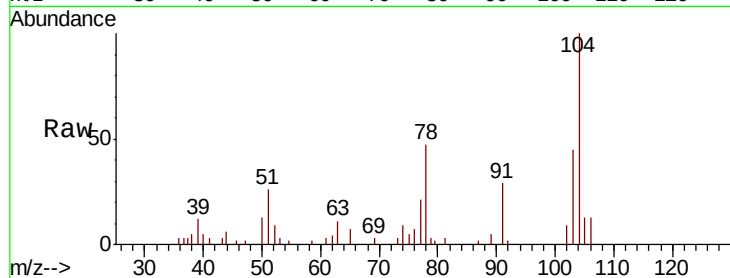
Instrument :
MSVOA_V
ClientSampleId :
MDL01

Tot Ion:104 Resp: 8634

Ion Ratio Lower Upper

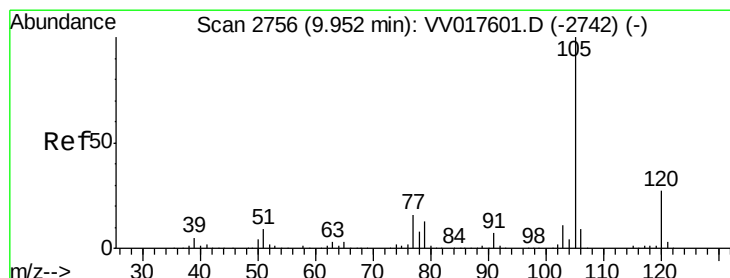
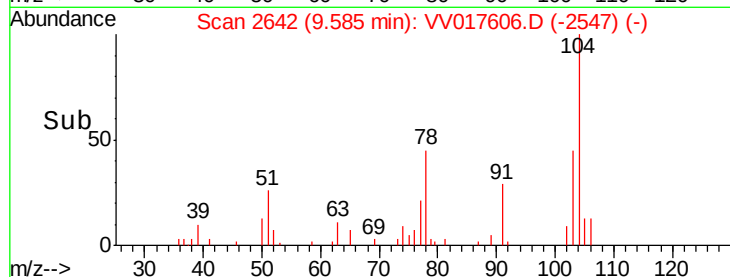
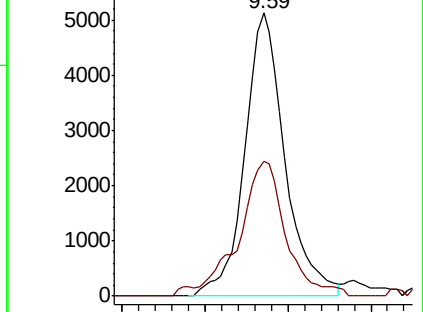
104 100

78 47.5 34.0 63.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 0.208 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

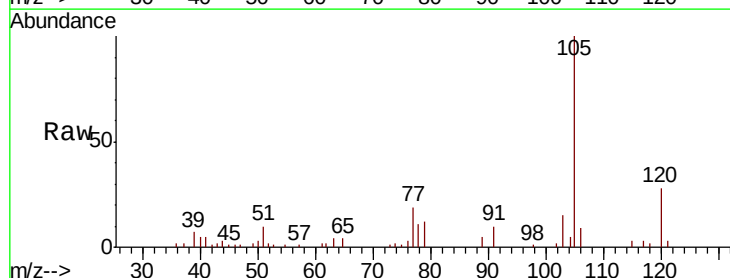
Tgt Ion:105 Resp: 13475

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

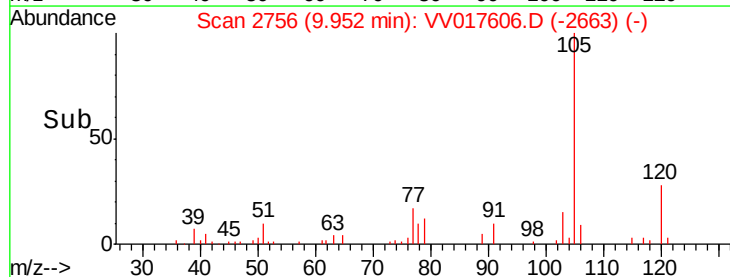
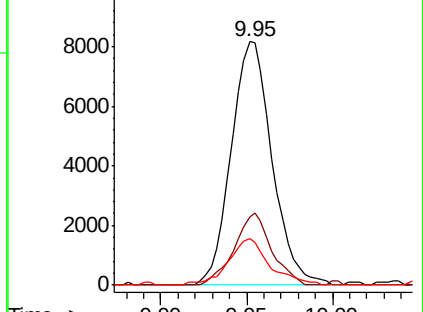
77 19.2 13.0 19.6

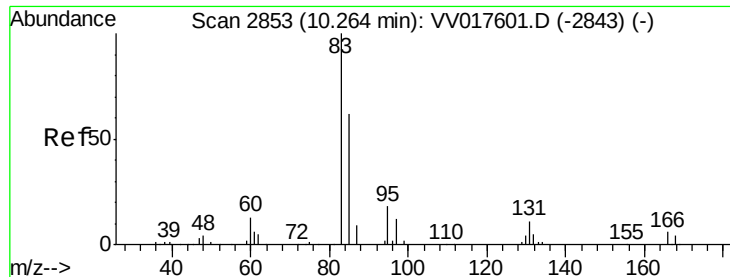


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#60

1,1,2,2-Tetrachloroethane

Concen: 0.297 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

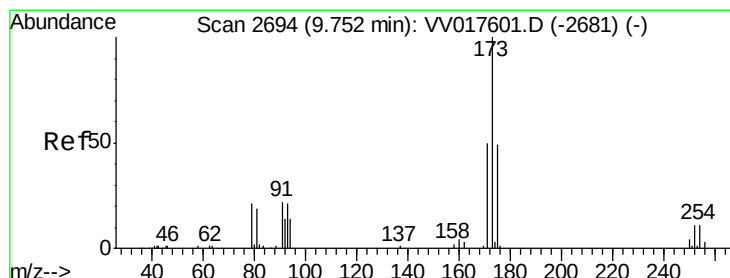
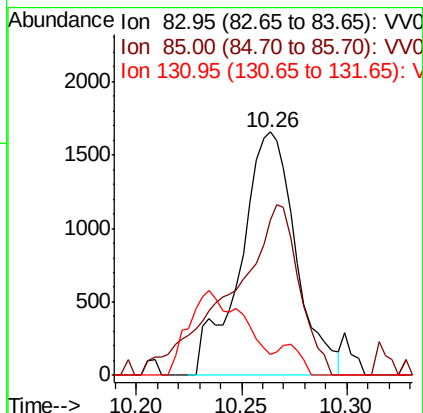
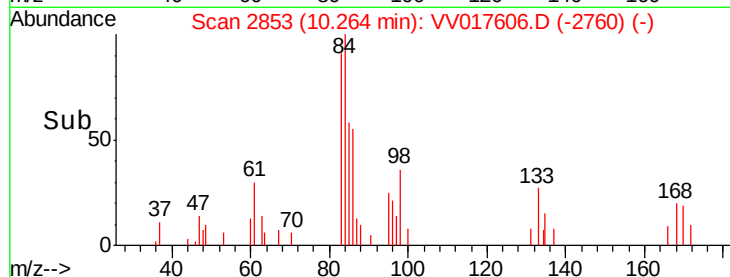
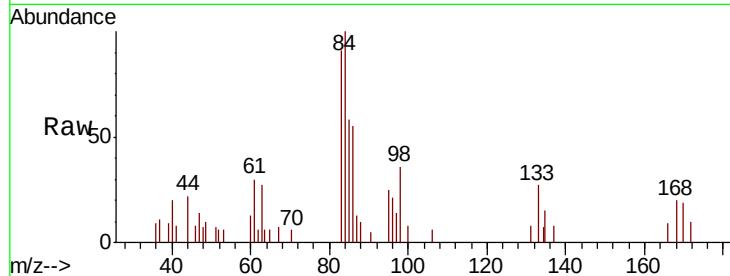
Tot Ion: 83 Resp: 3032

Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.5

131 8.3 9.2 13.8#



#62

Bromoform

Concen: 0.250 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

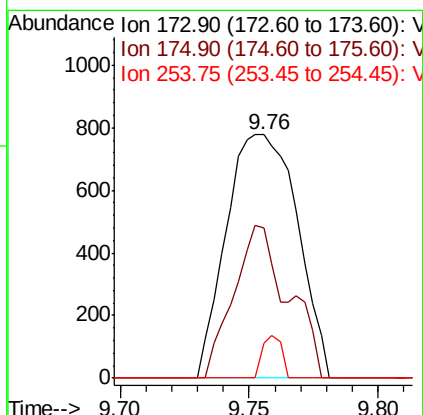
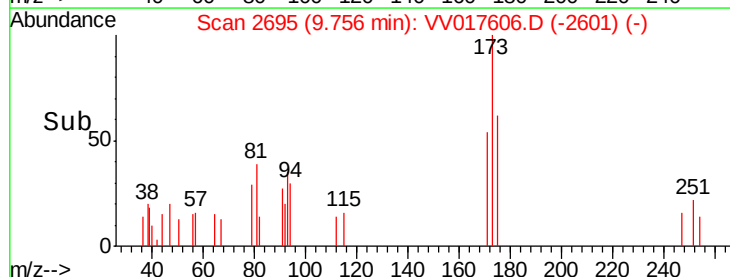
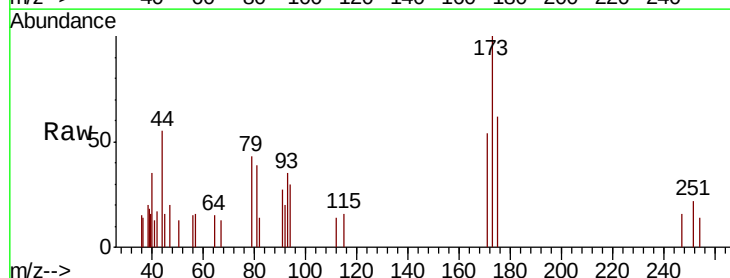
Tgt Ion: 173 Resp: 1492

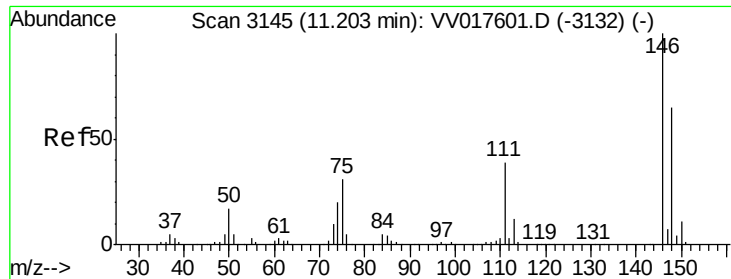
Ion Ratio Lower Upper

173 100

175 48.1 39.6 59.4

254 4.7 8.4 12.6#

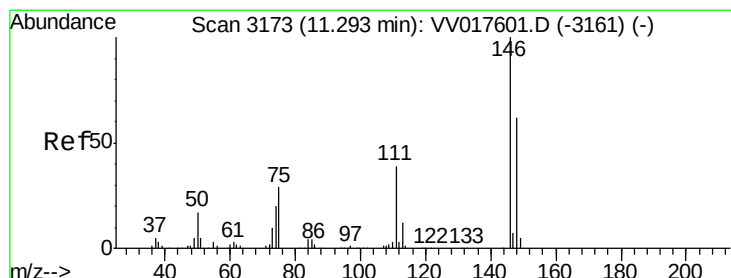
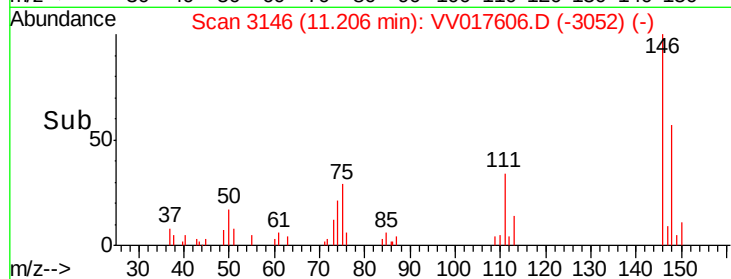
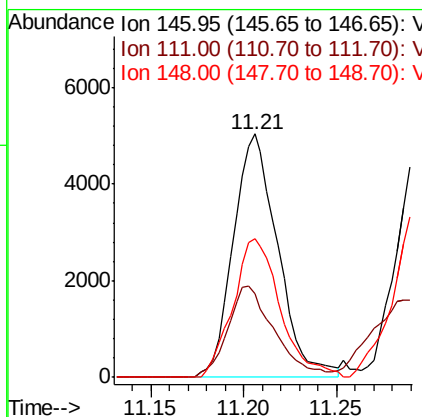
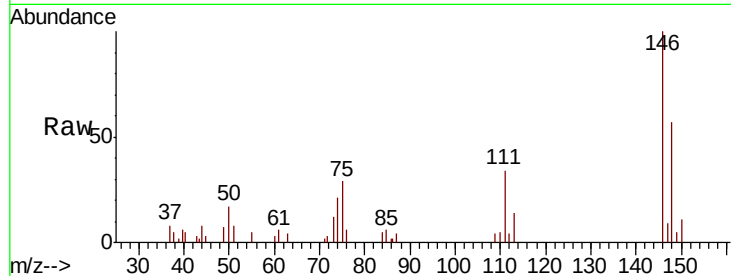




#63
 1,3-Dichlorobenzene
 Concen: 0.280 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

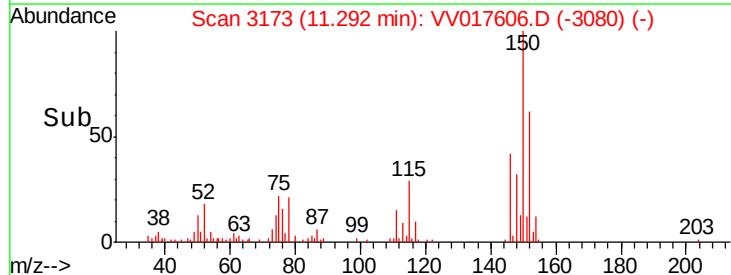
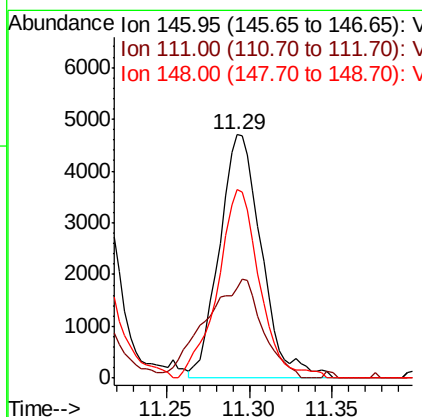
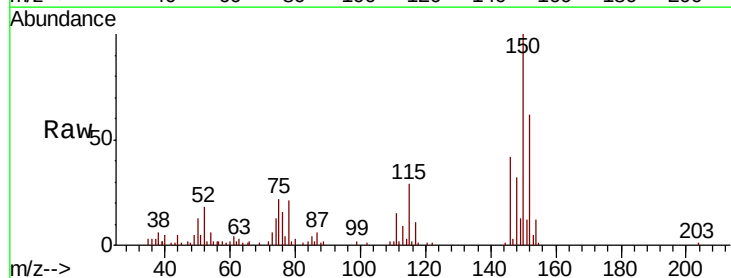
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

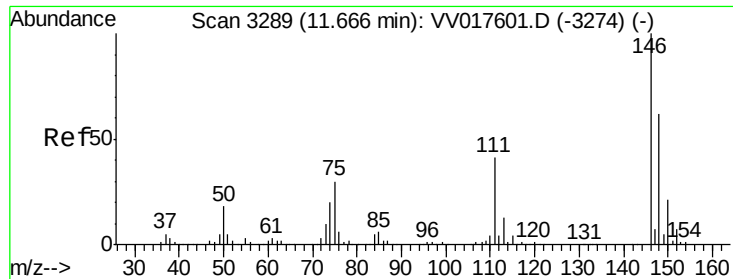
Tot Ion:146 Resp: 8406
 Ion Ratio Lower Upper
 146 100
 111 34.2 27.3 50.7
 148 56.7 45.6 84.6



#64
 1,4-Dichlorobenzene
 Concen: 0.275 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion:146 Resp: 8291
 Ion Ratio Lower Upper
 146 100
 111 36.8 27.4 51.0
 148 77.4 43.8 81.4

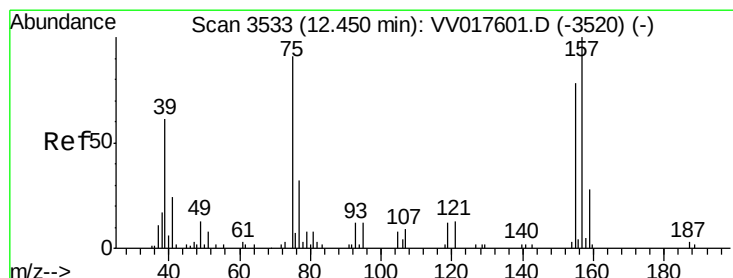
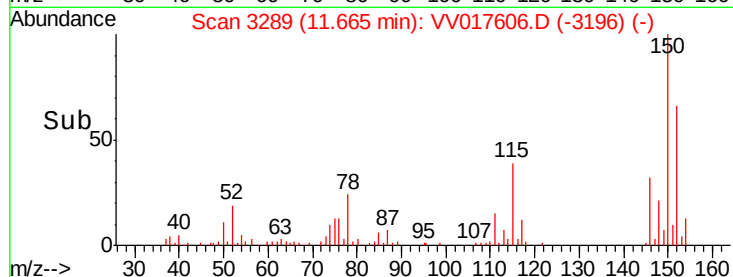
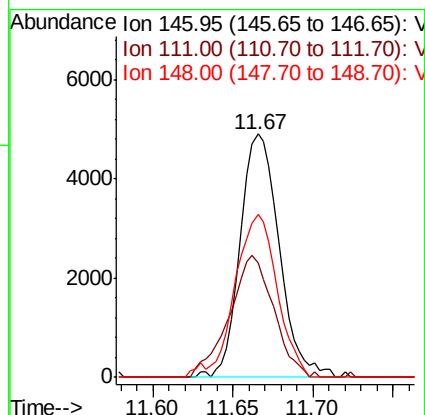
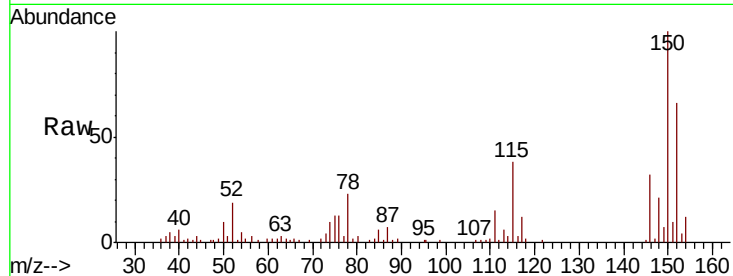




#66
 1,2-Dichlorobenzene
 Concen: 0.298 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

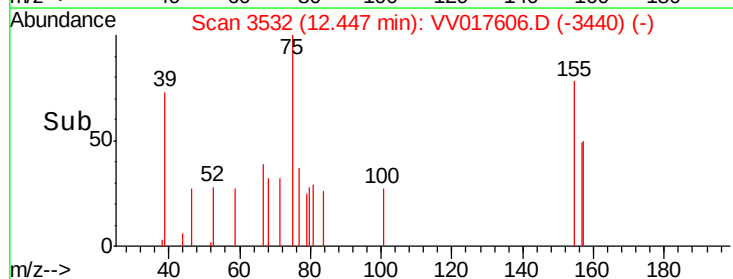
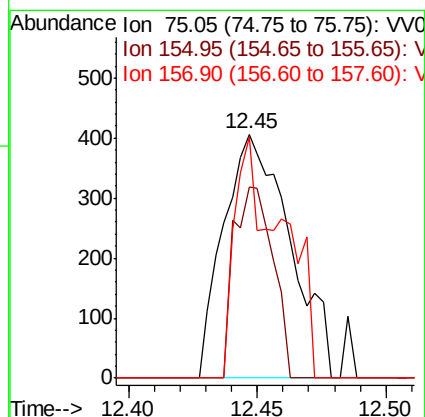
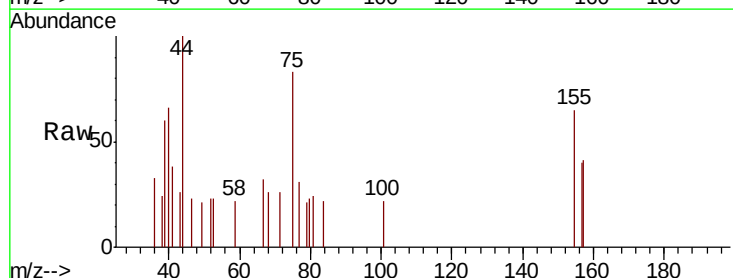
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

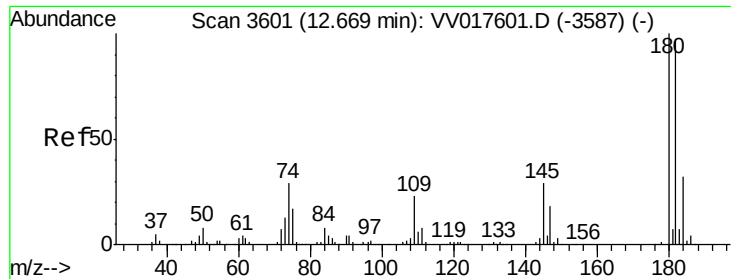
Tot Ion:146 Resp: 8145
 Ion Ratio Lower Upper
 146 100
 111 46.9 33.0 49.4
 148 66.7 49.9 74.9



#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.427 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion: 75 Resp: 731
 Ion Ratio Lower Upper
 75 100
 155 78.3 68.7 103.1
 157 98.8 87.8 131.8

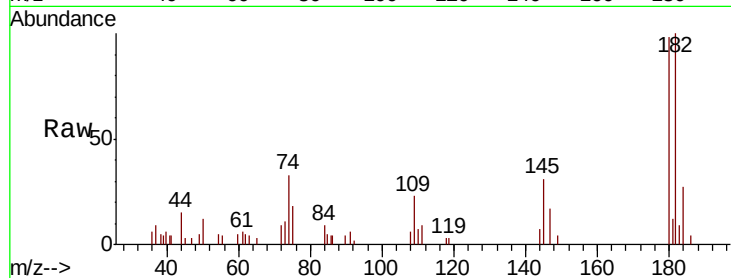




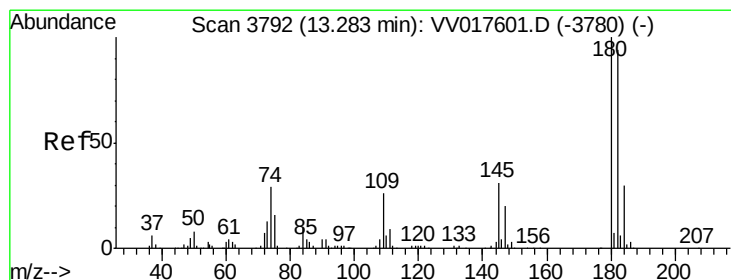
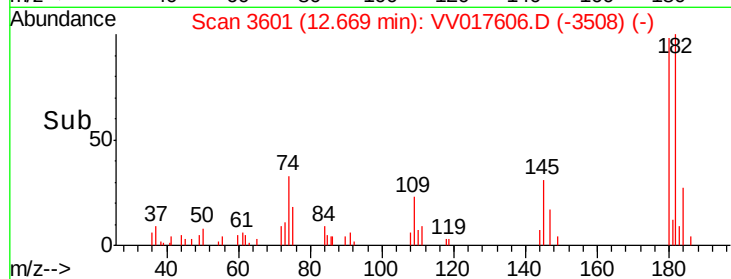
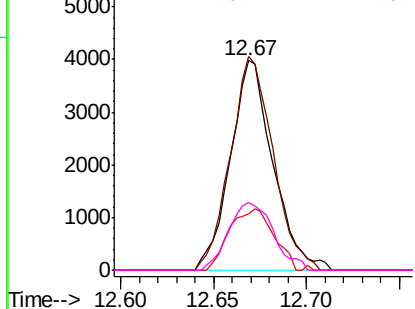
#68
 1,3,5-Trichlorobenzene
 Concen: 0.261 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Tot Ion:180 Resp: 6371
 Ion Ratio Lower Upper
 180 100
 182 101.9 77.1 115.7
 184 30.6 25.2 37.8
 145 33.9 24.1 36.1

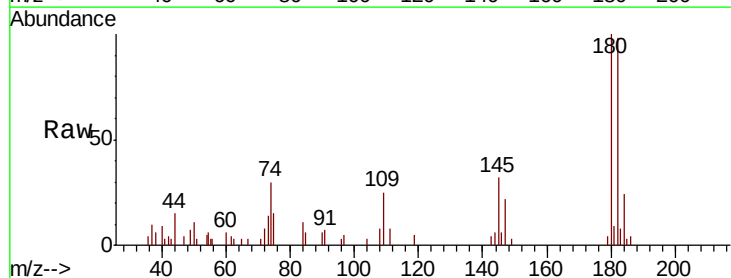


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

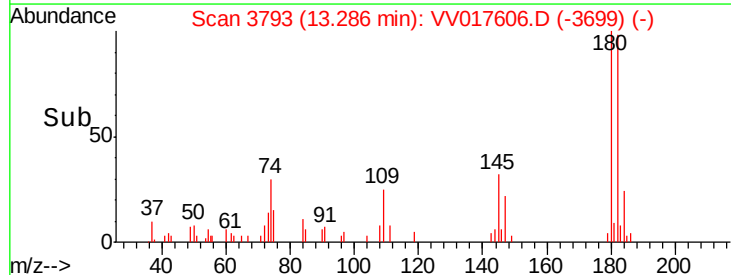
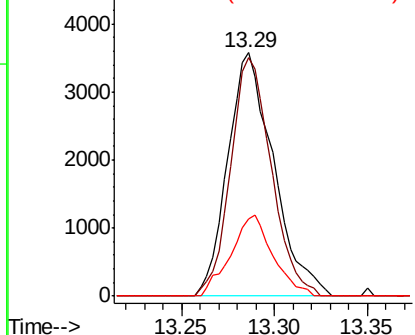


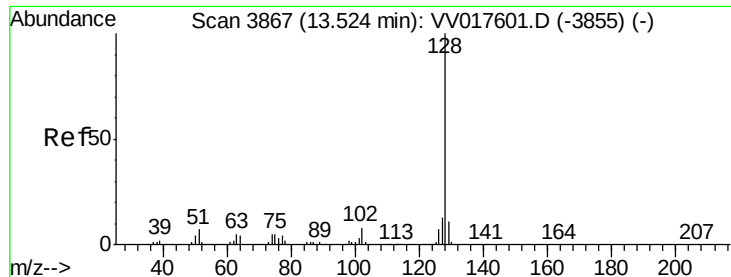
#69
 1,2,4-trichlorobenzene
 Concen: 0.301 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017606.D
 Acq: 23 Jul 2020 16:15

Tgt Ion:180 Resp: 6136
 Ion Ratio Lower Upper
 180 100
 182 87.2 75.4 113.2
 145 30.6 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: 0.230 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

Instrument :

MSVOA_V

ClientSampleId :

MDL01

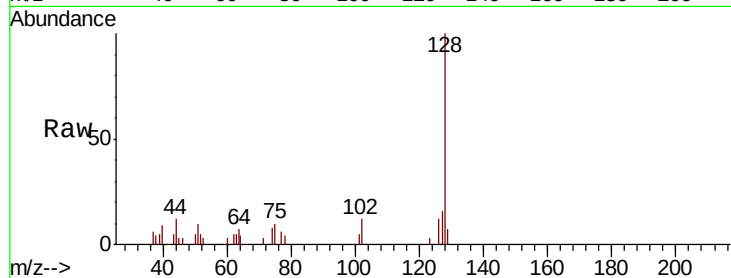
Tot Ion:128 Resp: 6556

Ion Ratio Lower Upper

128 100

129 5.8 9.1 13.7#

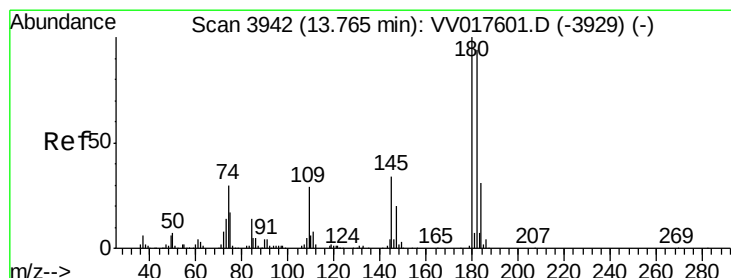
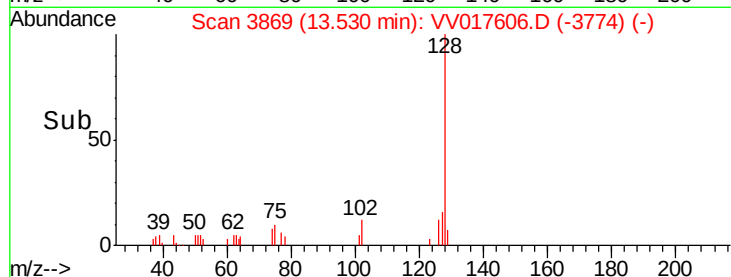
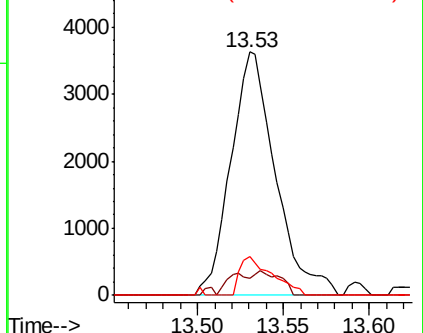
127 11.5 11.0 16.6



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: 0.237 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV017606.D

Acq: 23 Jul 2020 16:15

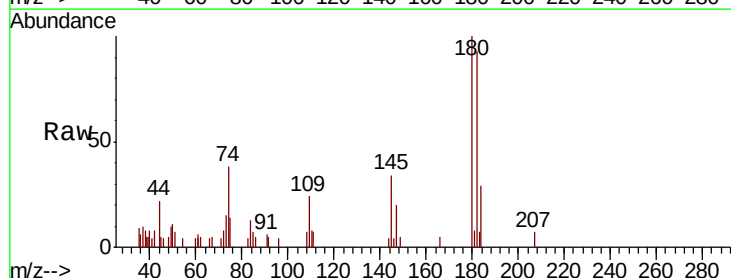
Tgt Ion:180 Resp: 4285

Ion Ratio Lower Upper

180 100

182 98.3 74.2 111.4

145 42.2 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

