

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017610.D
 Acq On : 23 Jul 2020 17:50
 Operator : SY/MD
 Sample : MDL05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Jul 24 01:56:09 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	183229	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	173642	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	87356	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	40545	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	31571	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.12	63	68906	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	3.94	46	100790	48.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.30%
24) Chloroform-d	4.38	84	102528	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.06	65	53509	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.07	84	182936	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.09	67	51999	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	7.34	98	171490	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
45) trans-1,3-Dichloropropene-	7.64	79	21047	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
48) 2-Hexanone-d5	8.11	63	65400	43.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.54%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35132	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	68418	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5258	0.262 ug/L	97
3) Chloromethane	1.25	50	3597	0.275 ug/L	94
5) Vinyl chloride	1.32	62	4090	0.312 ug/L #	73
6) Bromomethane	1.53	94	2520	0.300 ug/L	90
8) Chloroethane	1.60	64	2570	0.340 ug/L	99
9) Trichlorofluoromethane	1.76	101	6592	0.282 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3923	0.359 ug/L	87
12) 1,1-Dichloroethene	2.13	96	3557	0.361 ug/L #	1
14) Carbon disulfide	2.31	76	9524	0.318 ug/L	95
15) Methyl Acetate	2.47	43	1659	0.520 ug/L #	52
16) Methylene chloride	2.52	84	4823	0.439 ug/L	95
17) Methyl tert-butyl Ether	2.79	73	7859	0.311 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	3268	0.304 ug/L	96
19) 1,1-Dichloroethane	3.21	63	6917	0.306 ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	4012	0.296 ug/L	84
23) Bromochloromethane	4.28	128	1899	0.304 ug/L #	92
25) Chloroform	4.41	83	8493	0.335 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072320\
 Data File : VV017610.D
 Acq On : 23 Jul 2020 17:50
 Operator : SY/MD
 Sample : MDL05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

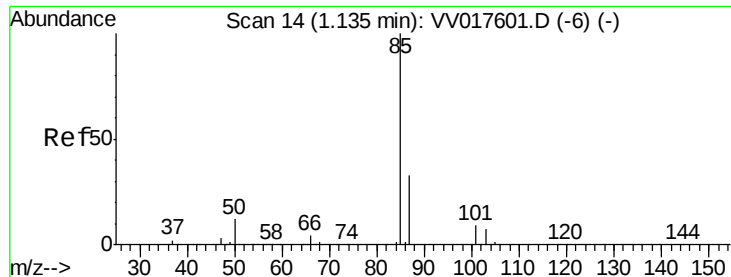
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Quant Time: Jul 24 01:56:09 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)

27) 1,2-Dichloroethane	5.16	62	4539	0.276	ug/L #	92
29) 1,1,1-Trichloroethane	4.63	97	7048	0.290	ug/L	97
30) Cyclohexane	4.70	56	5285	0.275	ug/L	97
31) Carbon tetrachloride	4.85	117	5943	0.275	ug/L	99
33) Benzene	5.13	78	14428	0.294	ug/L	100
34) Trichloroethene	5.94	95	4278	0.312	ug/L	82
35) Methylcyclohexane	6.15	83	5496	0.265	ug/L	98
37) 1,2-Dichloropropane	6.20	63	3422	0.296	ug/L #	93
38) Bromodichloromethane	6.54	83	5381	0.317	ug/L #	87
39) cis-1,3-Dichloropropene	7.05	75	5052	0.290	ug/L	91
40) 4-Methyl-2-pentanone	7.26	43	15726	2.483	ug/L #	87
42) Toluene	7.41	91	15122	0.282	ug/L	90
43) 1,3,5-Trimethylbenzene	10.56	105	10636	0.212	ug/L	87
44) 1,2,4-Trimethylbenzene	10.94	105	12168	0.238	ug/L	94
46) trans-1,3-Dichloropropene	7.68	75	5297	0.339	ug/L	87
47) 1,1,2-Trichloroethane	7.86	97	2660	0.304	ug/L	91
49) Tetrachloroethene	8.00	164	3506	0.290	ug/L	95
50) 2-Hexanone	8.17	43	16249	3.626	ug/L	94
51) Dibromochloromethane	8.27	129	3034	0.272	ug/L	95
52) 1,2-Dibromoethane	8.38	107	2399	0.290	ug/L #	97
53) Chlorobenzene	8.90	112	10970	0.307	ug/L	91
54) Ethylbenzene	9.04	91	16421	0.274	ug/L	95
55) m,p-xylene	9.16	106	5906	0.261	ug/L	96
56) o-xylene	9.57	106	5716	0.261	ug/L	96
57) Styrene	9.59	104	9143	0.250	ug/L	94
58) Isopropylbenzene	9.95	105	15104	0.250	ug/L	93
60) 1,1,2,2-Tetrachloroethane	10.26	83	2869	0.301	ug/L #	78
62) Bromoform	9.76	173	1713	0.306	ug/L #	78
63) 1,3-Dichlorobenzene	11.21	146	8824	0.314	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	9502	0.337	ug/L	91
66) 1,2-Dichlorobenzene	11.67	146	8753	0.342	ug/L	99
68) 1,3,5-Trichlorobenzene	12.67	180	6937	0.304	ug/L	97
69) 1,2,4-trichlorobenzene	13.29	180	6513	0.341	ug/L	96
70) Naphthalene	13.53	128	6506	0.244	ug/L #	94
71) 1,2,3-Trichlorobenzene	13.77	180	4655	0.275	ug/L #	95

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



#2

Dichlorodifluoromethane

Concen: 0.262 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampled :

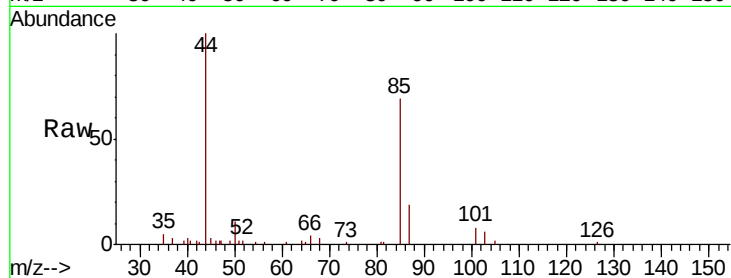
MDL05

Tot Ion: 85 Resp: 5258

Ion Ratio Lower Upper

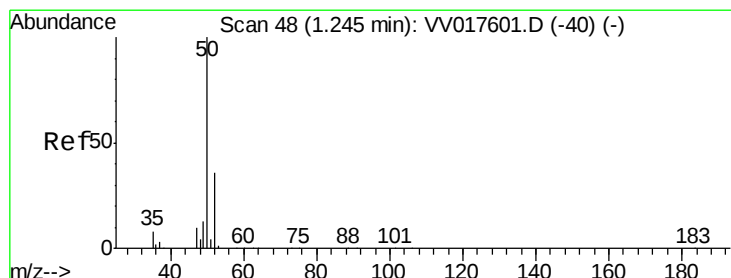
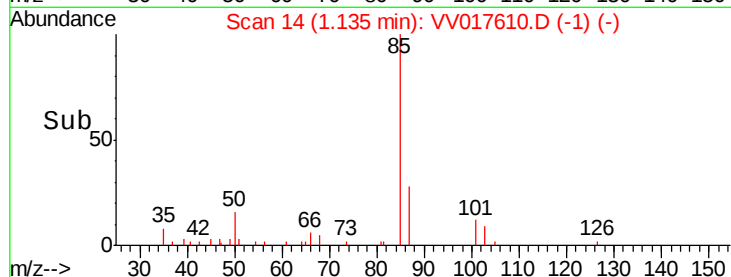
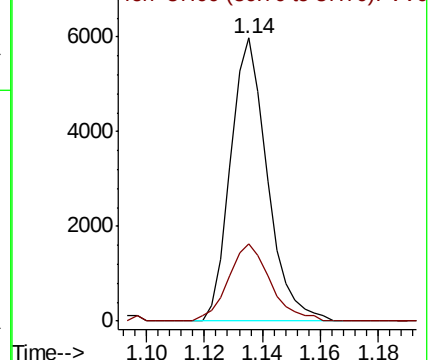
85 100

87 31.2 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: 0.275 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017610.D

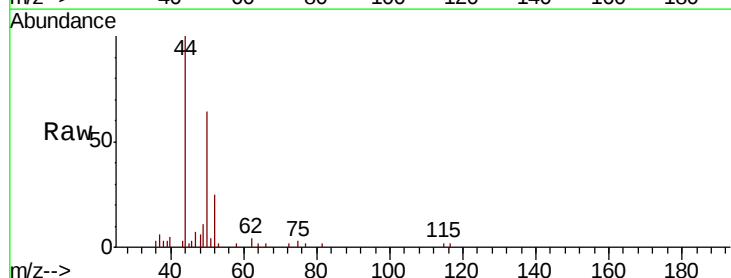
Acq: 23 Jul 2020 17:50

Tgt Ion: 50 Resp: 3597

Ion Ratio Lower Upper

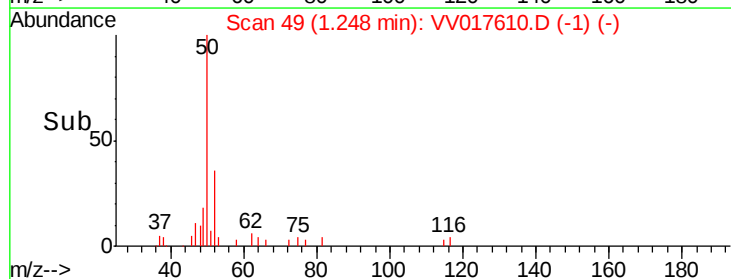
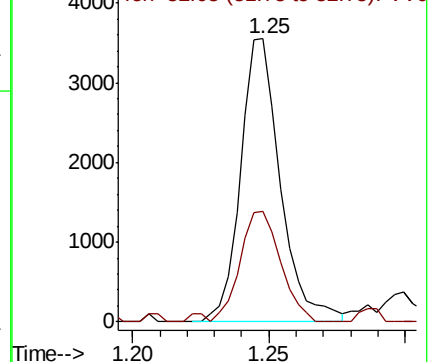
50 100

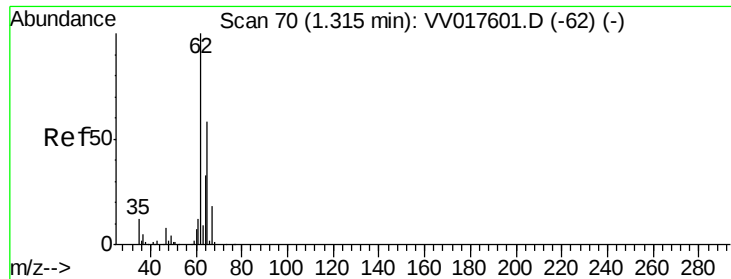
52 39.2 25.1 46.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.312 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

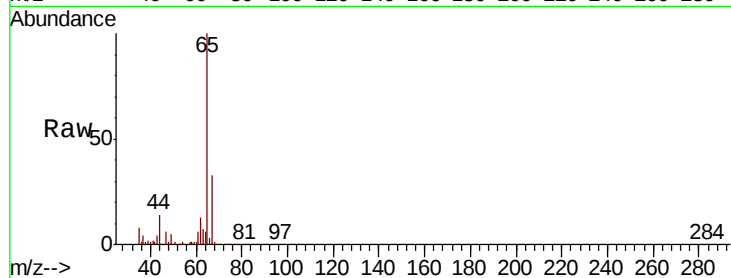
MDL05

Tot Ion: 62 Resp: 4090

Ion Ratio Lower Upper

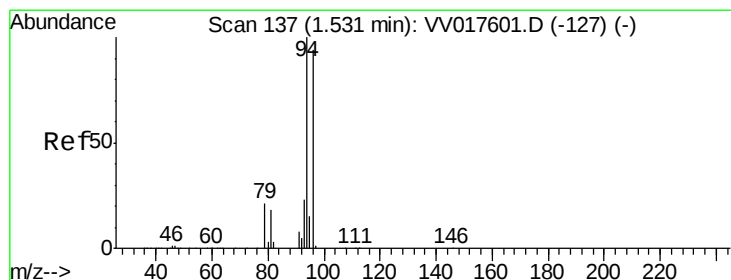
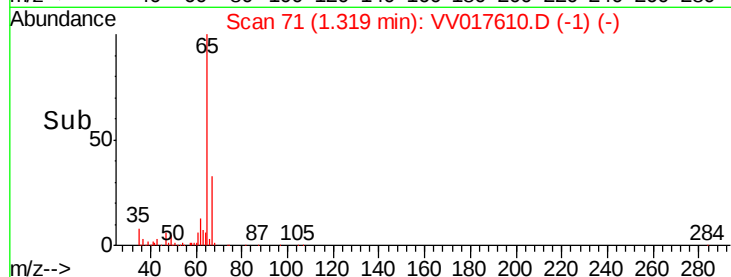
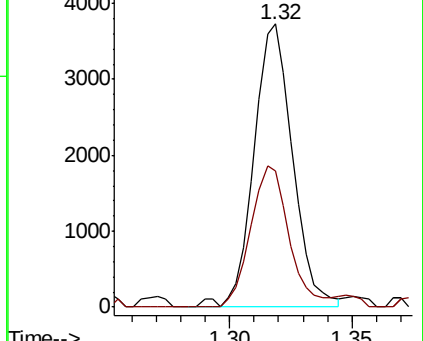
62 100

64 48.3 23.0 42.8#



Abundance Ion 62.00 (61.70 to 62.70): VV017610.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV017610.D (-62) (-)



#6

Bromomethane

Concen: 0.300 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017610.D

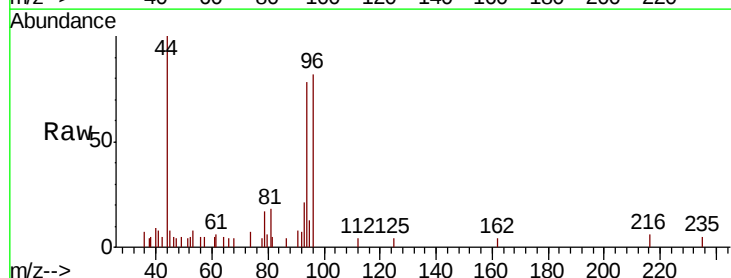
Acq: 23 Jul 2020 17:50

Tgt Ion: 94 Resp: 2520

Ion Ratio Lower Upper

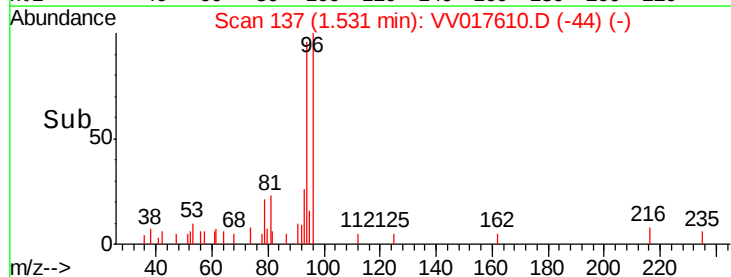
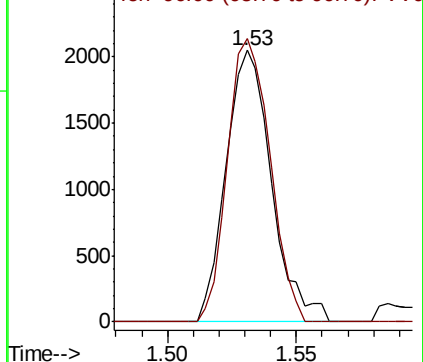
94 100

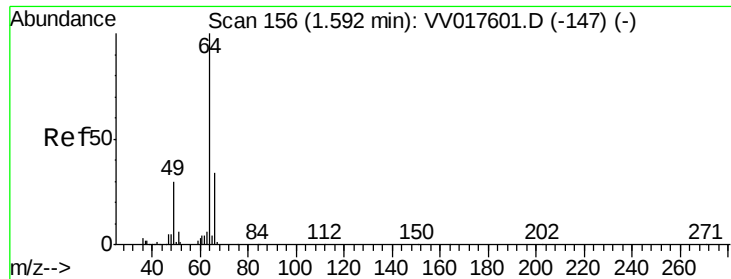
96 104.1 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV017610.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV017610.D (-127) (-)

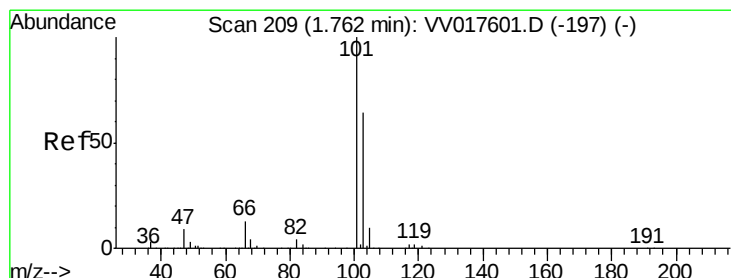
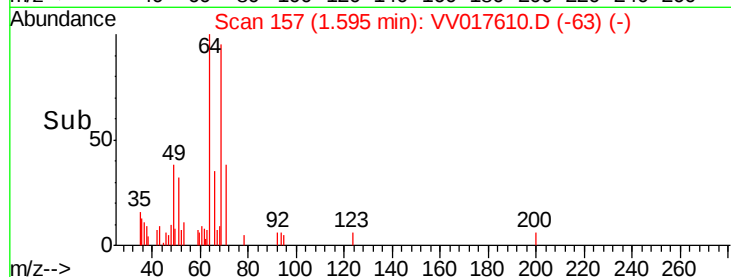
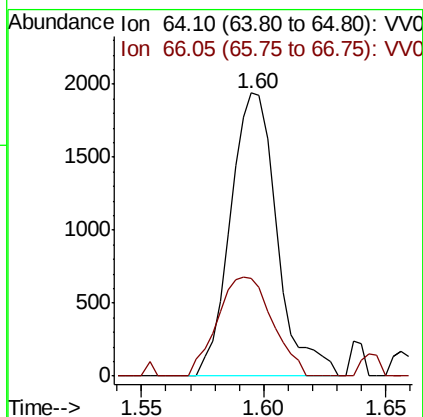
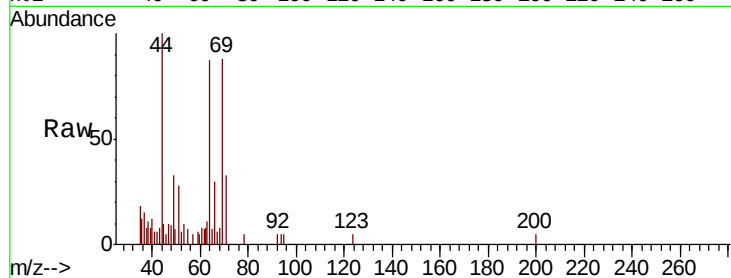




#8
Chloroethane
Concen: 0.340 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

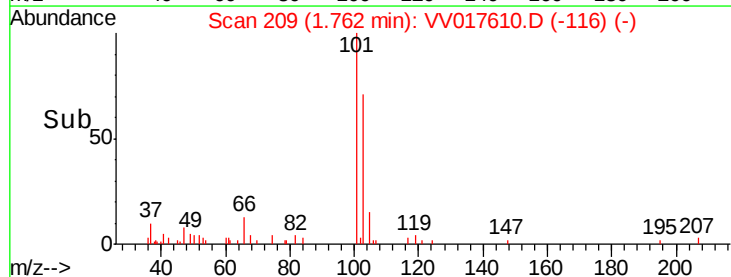
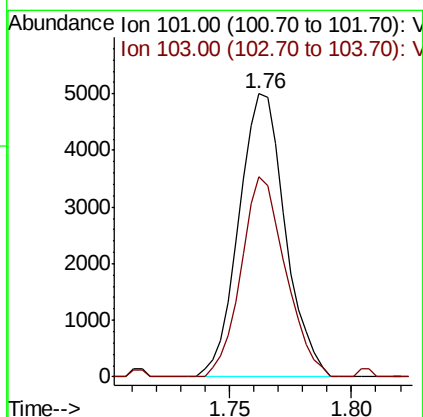
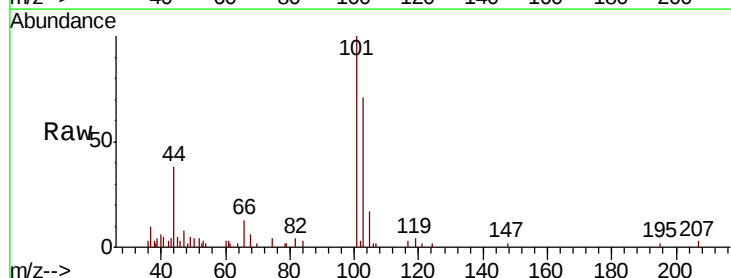
Instrument :
MSVOA_V
ClientSampleId :
MDL05

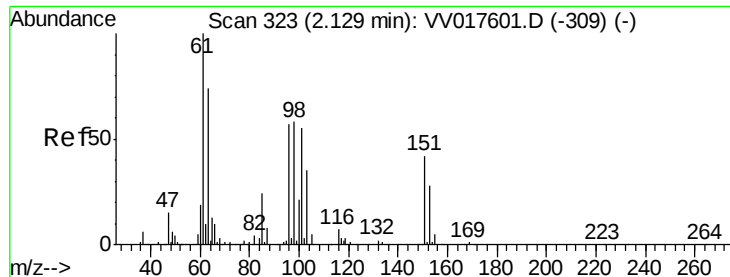
Tot Ion: 64 Resp: 2570
Ion Ratio Lower Upper
64 100
66 34.6 24.0 44.6



#9
Trichlorofluoromethane
Concen: 0.282 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Tgt Ion: 101 Resp: 6592
Ion Ratio Lower Upper
101 100
103 67.5 51.7 77.5





#10

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

Concen: 0.359 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

MDL05

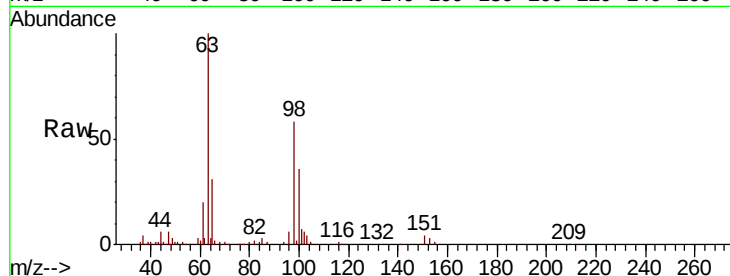
Tot Ion:101 Resp: 3923

Ion Ratio Lower Upper

101 100

85 38.2 34.6 51.8

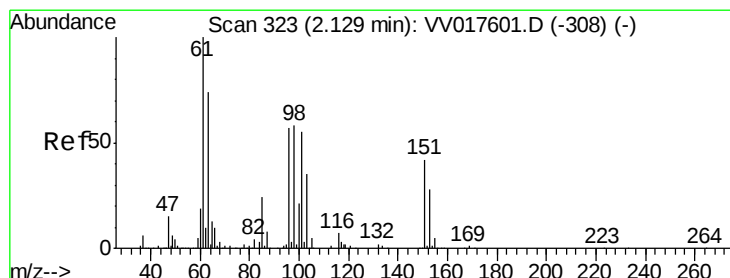
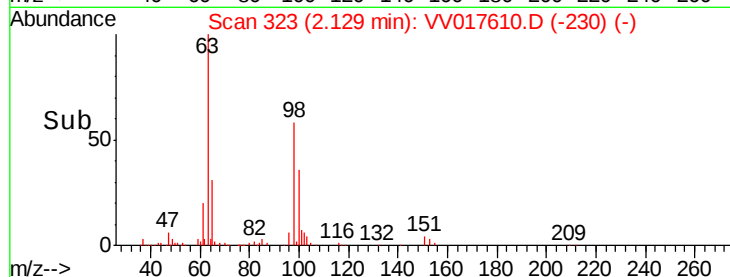
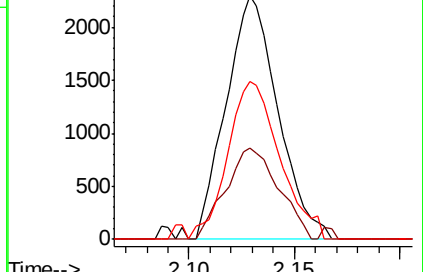
151 64.9 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): VV017610.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV017610.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV017610.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 0.361 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

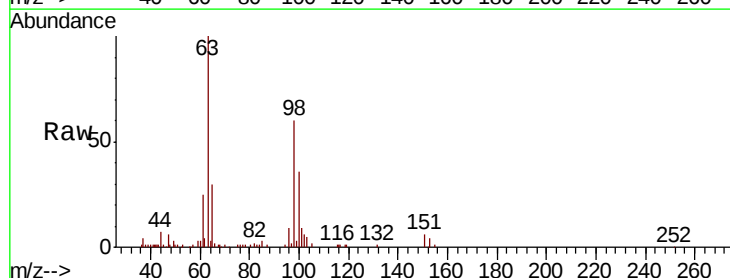
Tgt Ion: 96 Resp: 3557

Ion Ratio Lower Upper

96 100

61 282.7 123.1 228.7#

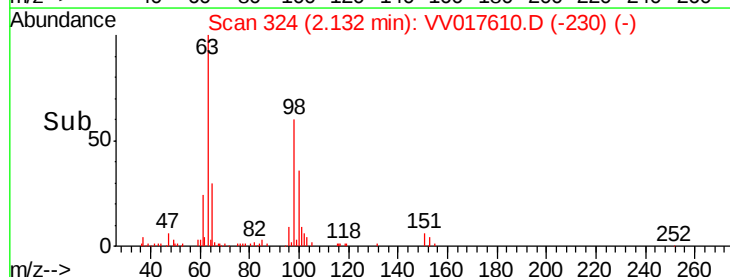
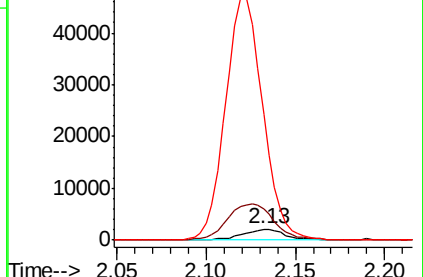
63 1139.4 91.2 169.4#

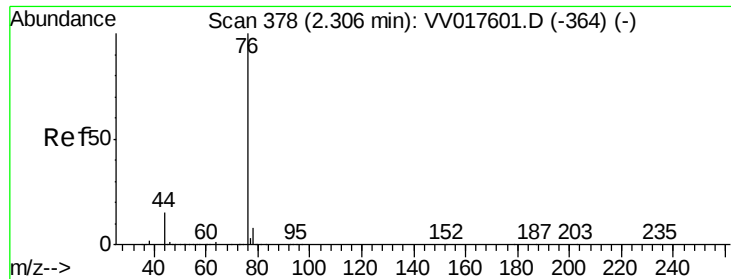


Abundance Ion 96.00 (95.70 to 96.70): VV017610.D (-230) (-)

Ion 61.05 (60.75 to 61.75): VV017610.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017610.D (-230) (-)





#14

Carbon disulfide

Concen: 0.318 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

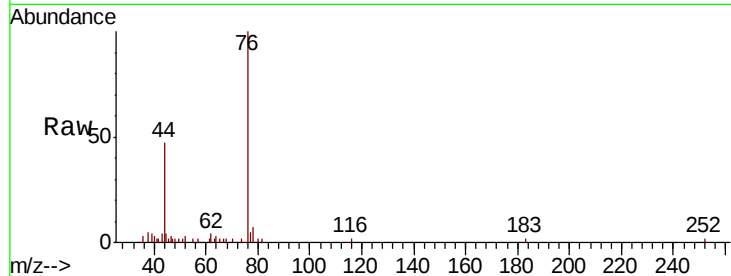
MDL05

Tot Ion: 76 Resp: 9524

Ion Ratio Lower Upper

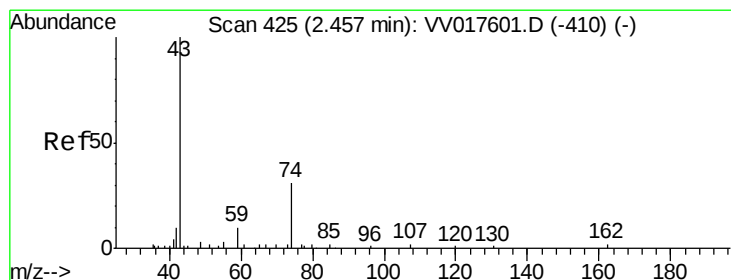
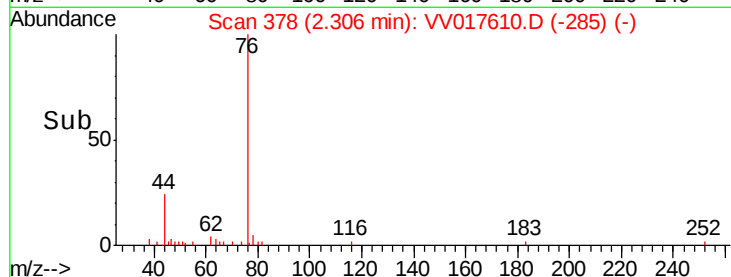
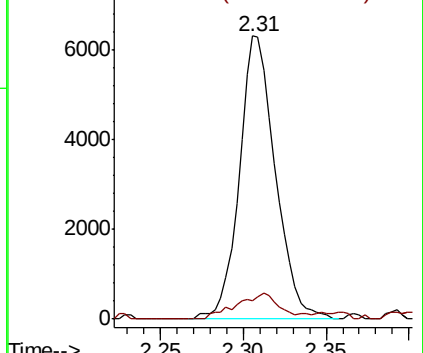
76 100

78 6.7 6.6 10.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.520 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV017610.D

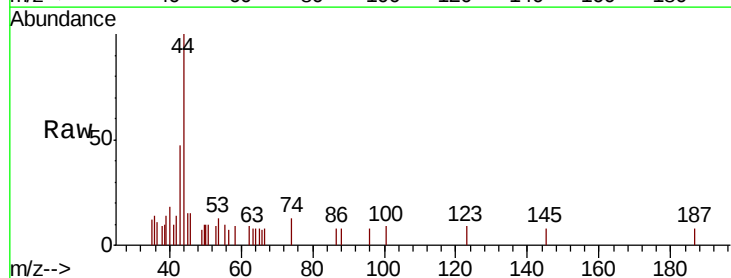
Acq: 23 Jul 2020 17:50

Tgt Ion: 43 Resp: 1659

Ion Ratio Lower Upper

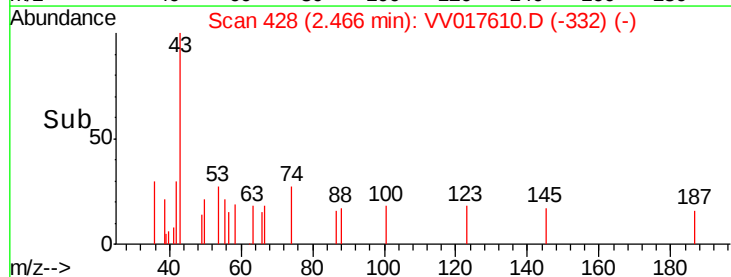
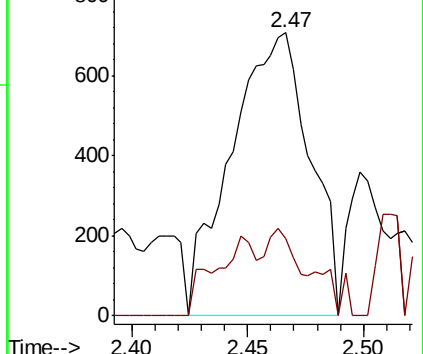
43 100

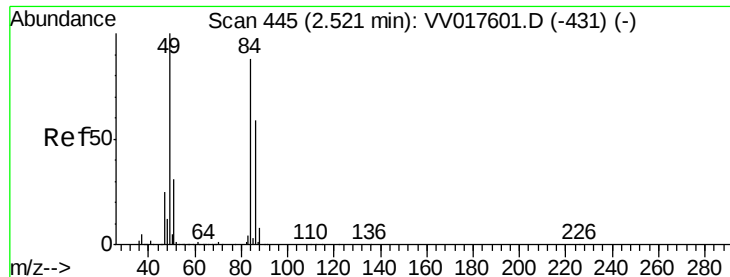
74 6.3 26.6 40.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

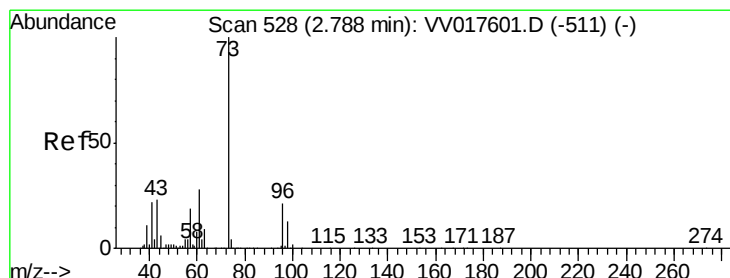
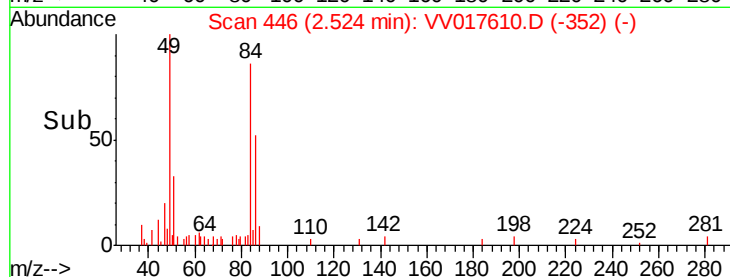
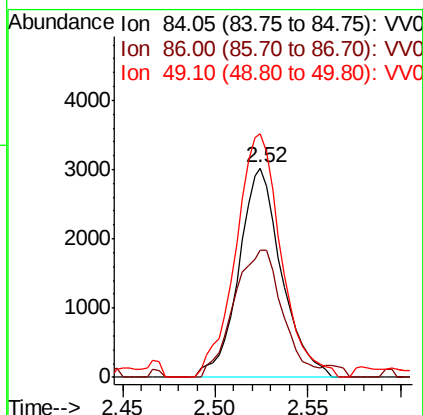
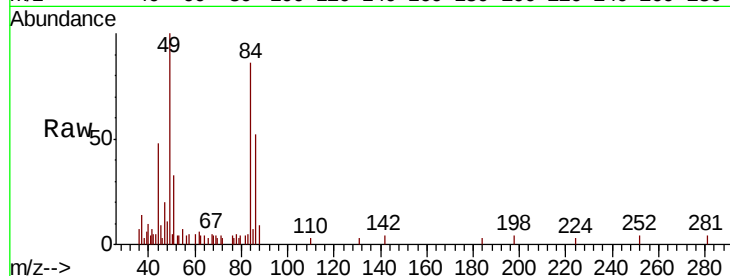




#16
Methylene chloride
Concen: 0.439 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

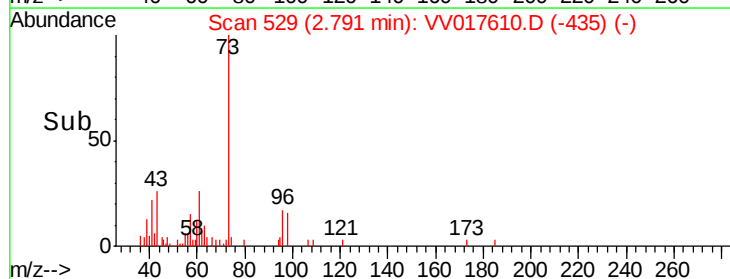
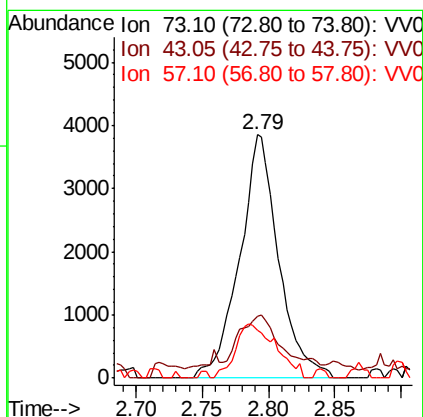
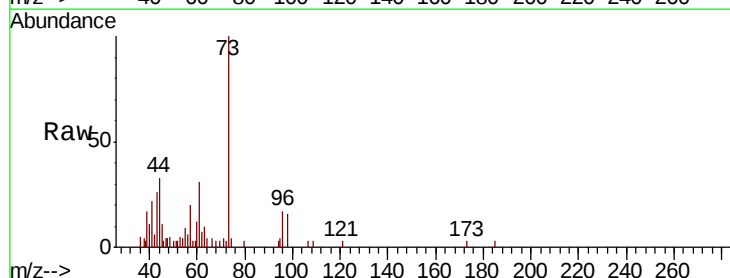
Instrument :
MSVOA_V
ClientSampled :
MDL05

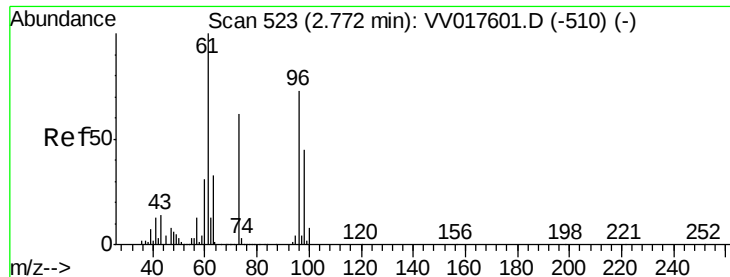
Tot Ion: 84 Resp: 4823
Ion Ratio Lower Upper
84 100
86 60.6 46.5 86.3
49 116.4 79.2 147.2



#17
Methyl tert-butyl Ether
Concen: 0.311 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Tgt Ion: 73 Resp: 7859
Ion Ratio Lower Upper
73 100
43 17.1 18.3 27.5#
57 23.0 16.7 25.1





#18

trans-1,2-Dichloroethene

Concen: 0.304 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

MDL05

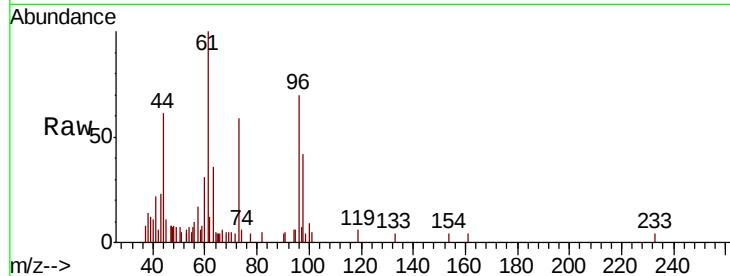
Tot Ion: 96 Resp: 3268

Ion Ratio Lower Upper

96 100

61 143.2 96.0 178.4

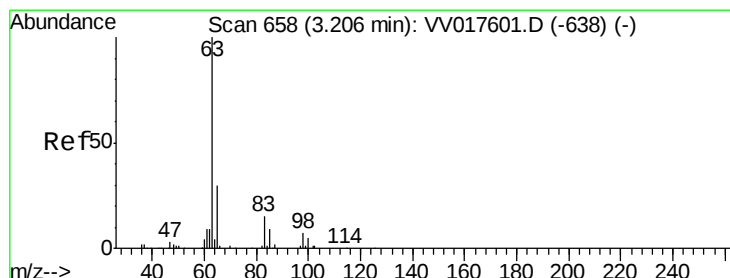
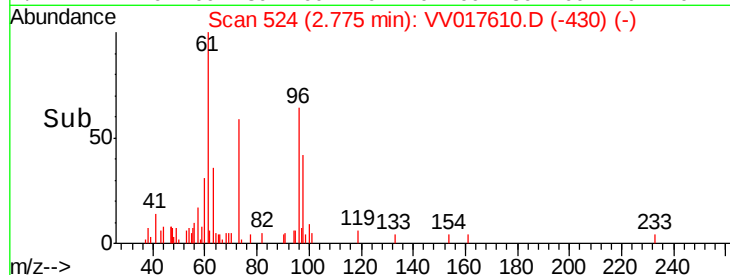
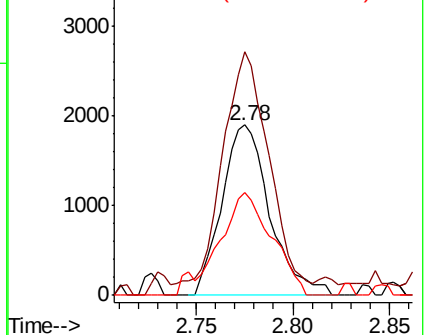
98 60.8 43.5 80.9



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: 0.306 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

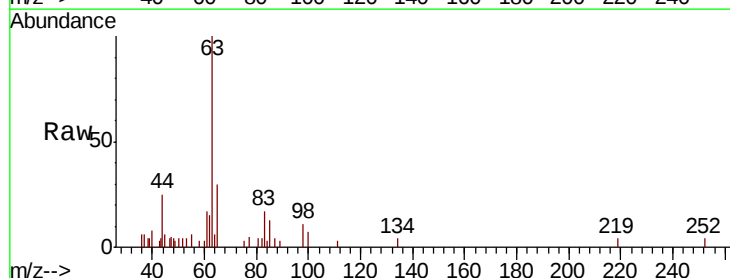
Tgt Ion: 63 Resp: 6917

Ion Ratio Lower Upper

63 100

65 28.3 21.4 39.8

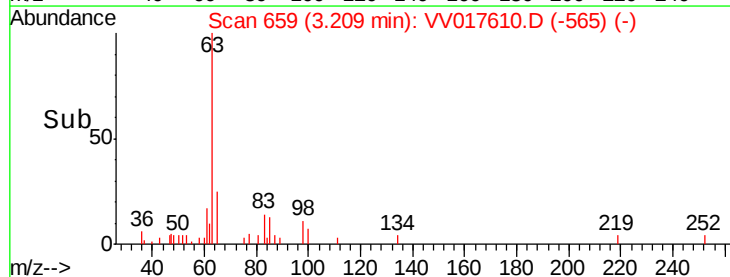
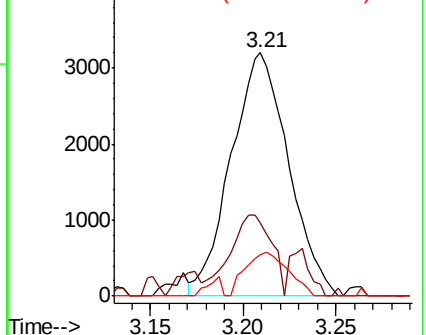
83 16.1 10.4 19.4

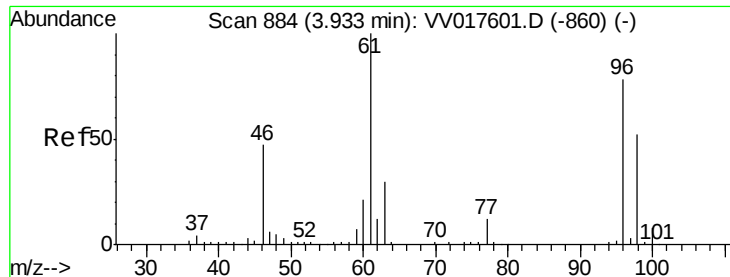


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



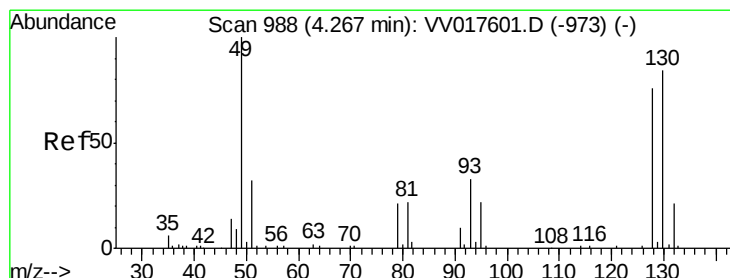
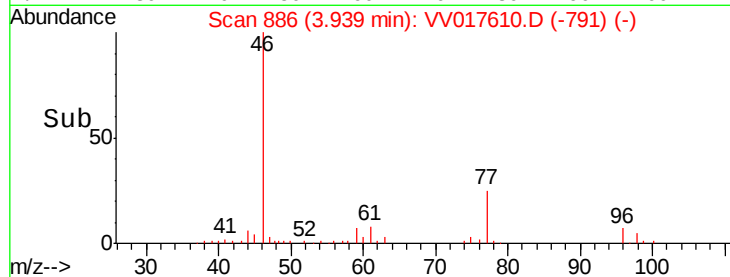
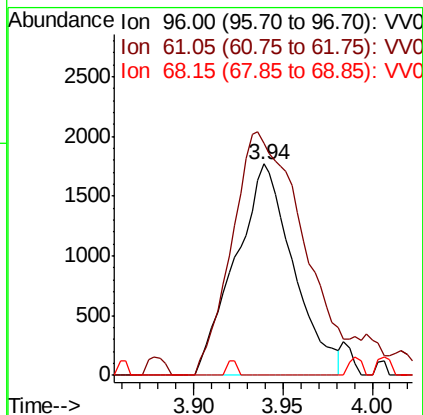
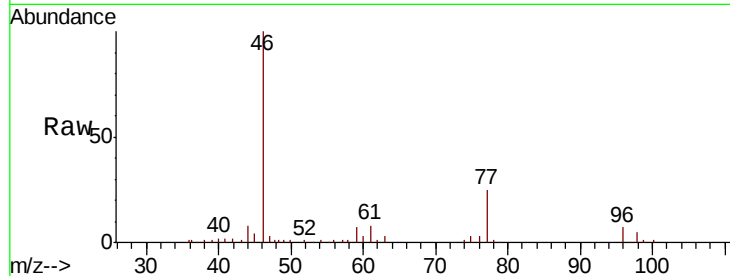


#22

cis-1,2-Dichloroethene
 Concen: 0.296 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

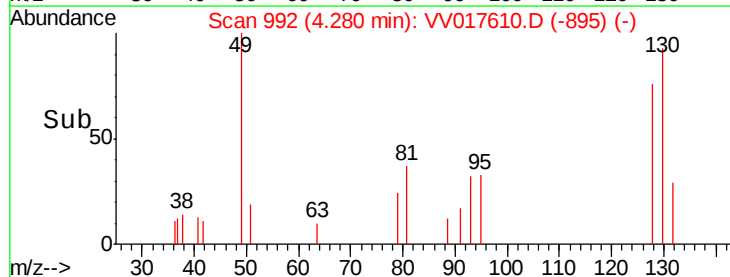
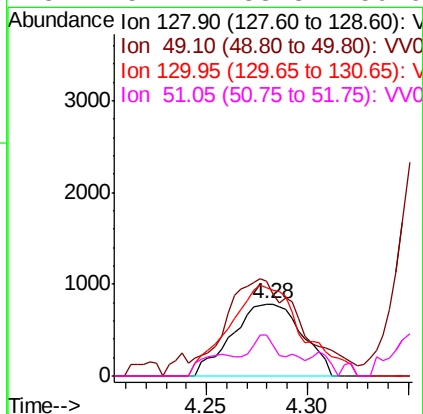
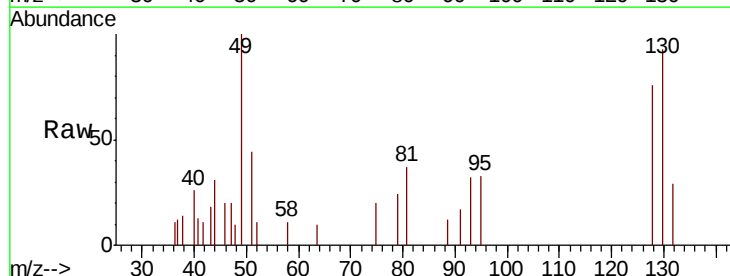
Tot Ion: 96 Resp: 4012
 Ion Ratio Lower Upper
 96 100
 61 109.9 89.6 166.4
 68 0.0 0.0 0.0

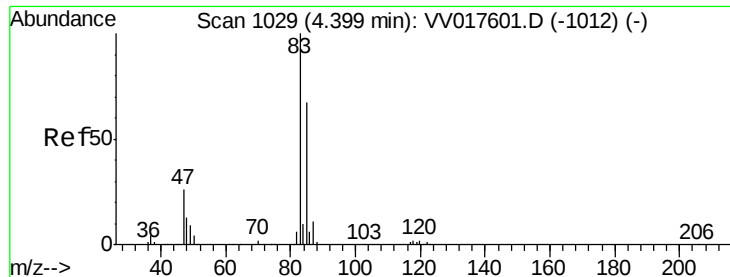


#23

Bromochloromethane
 Concen: 0.304 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Tgt Ion:128 Resp: 1899
 Ion Ratio Lower Upper
 128 100
 49 131.7 92.2 171.2
 130 123.1 77.2 143.4
 51 57.7 33.8 50.6#

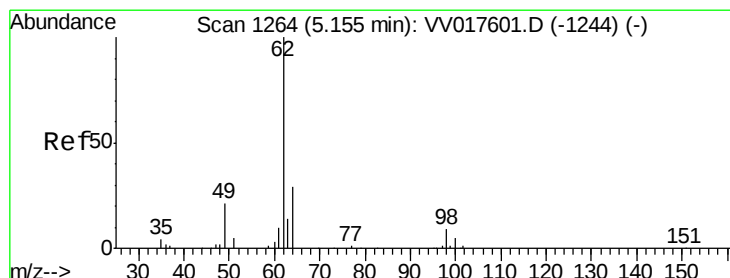
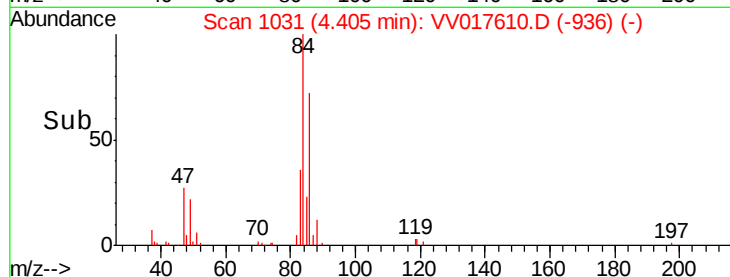
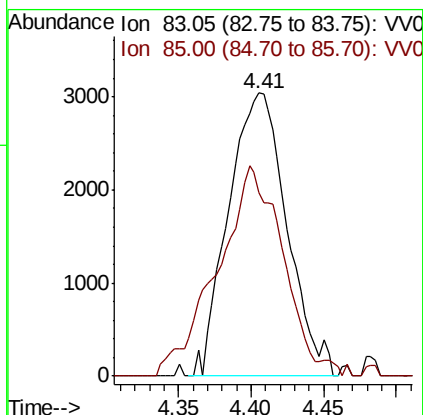
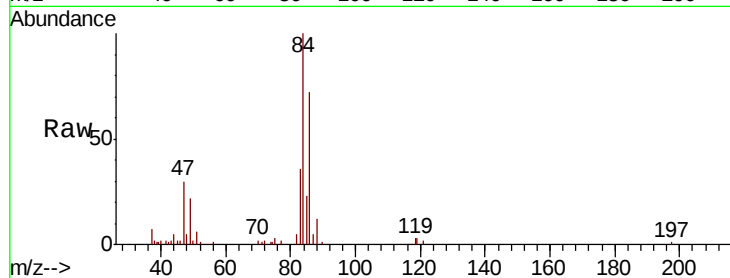




#25
Chloroform
Concen: 0.335 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

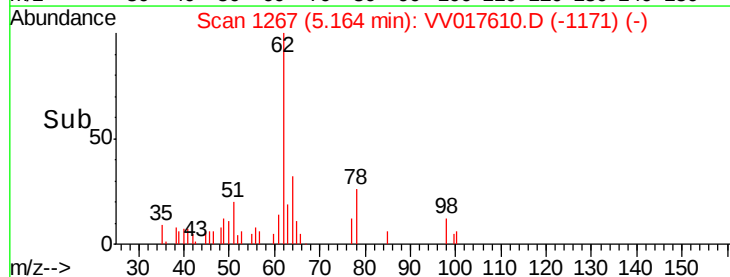
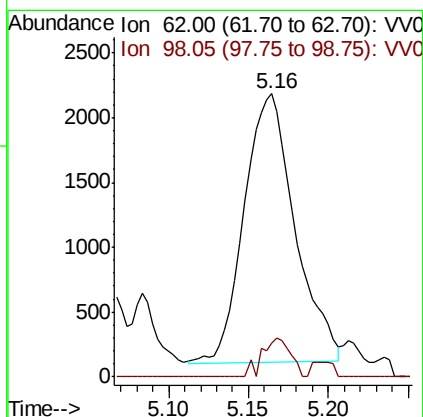
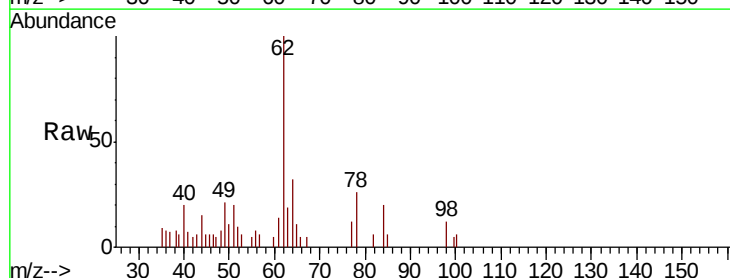
Instrument :
MSVOA_V
ClientSampled :
MDL05

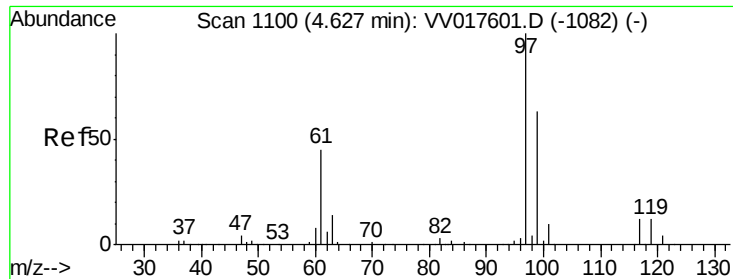
Tot Ion: 83 Resp: 8493
Ion Ratio Lower Upper
83 100
85 65.0 47.3 87.9



#27
1,2-Dichloroethane
Concen: 0.276 ug/L
RT: 5.16 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Tgt Ion: 62 Resp: 4539
Ion Ratio Lower Upper
62 100
98 11.8 7.0 10.6#

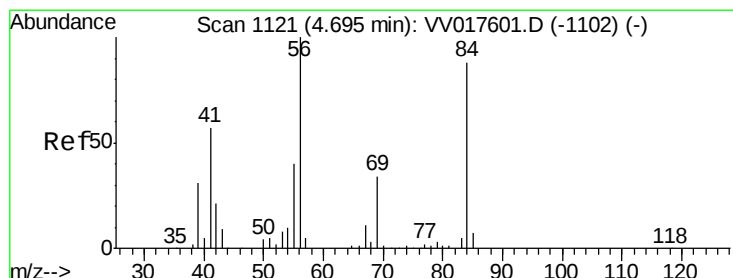
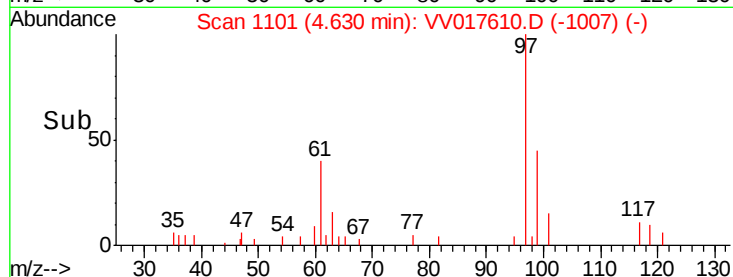
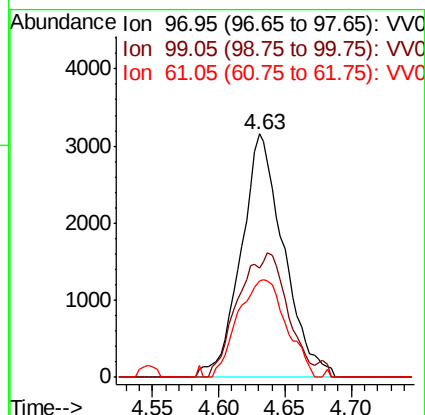
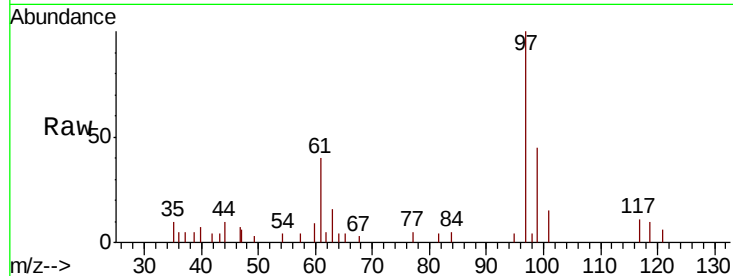




#29
 1,1,1-Trichloroethane
 Concen: 0.290 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

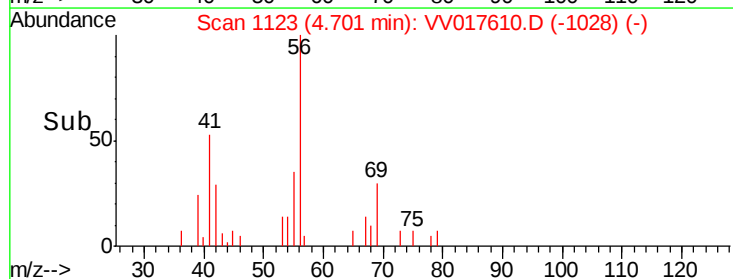
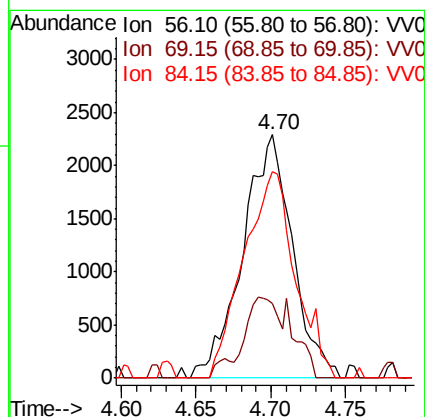
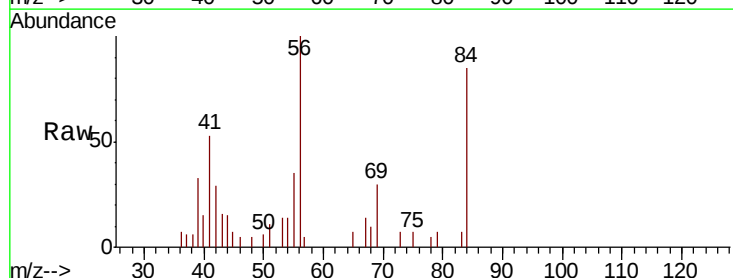
Instrument :
 MSVOA_V
 ClientSampled :
 MDL05

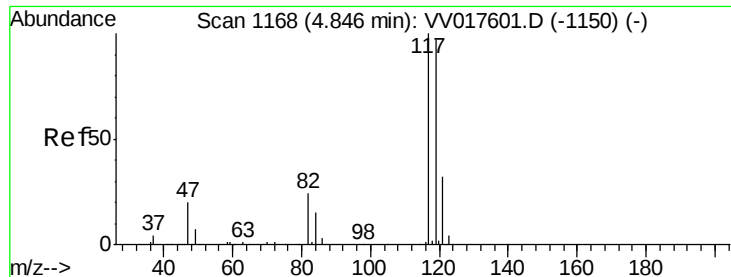
Tot Ion: 97 Resp: 7048
 Ion Ratio Lower Upper
 97 100
 99 59.5 50.6 76.0
 61 45.4 35.7 53.5



#30
 Cyclohexane
 Concen: 0.275 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Tgt Ion: 56 Resp: 5285
 Ion Ratio Lower Upper
 56 100
 69 32.6 25.4 38.2
 84 88.0 73.0 109.4

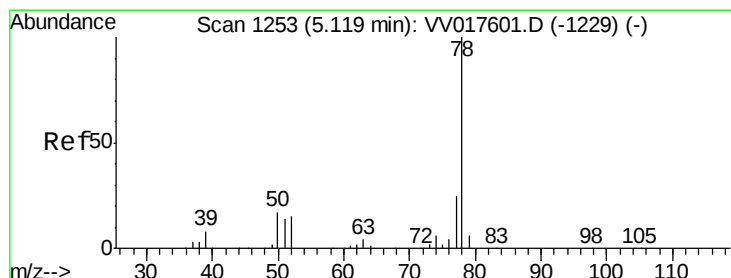
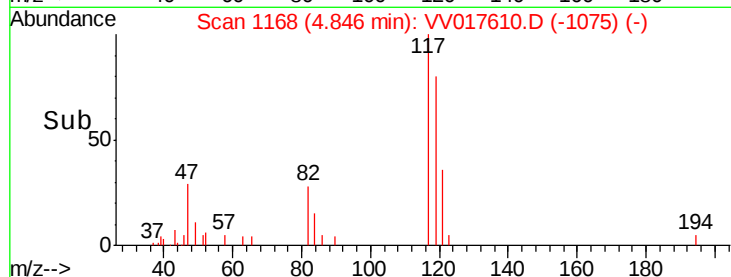
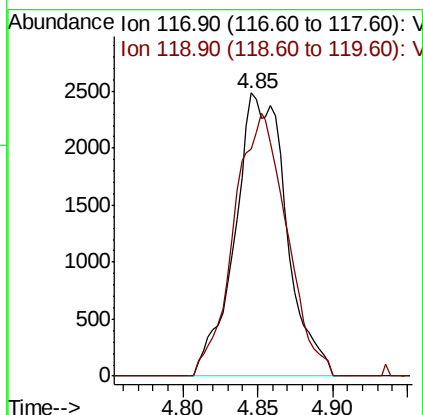
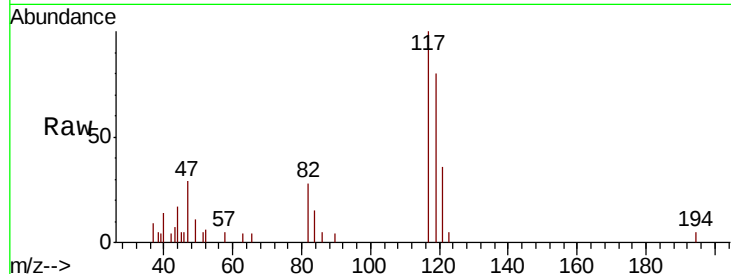




#31
Carbon tetrachloride
Concen: 0.275 ug/L
RT: 4.85 min Scan# 1168
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

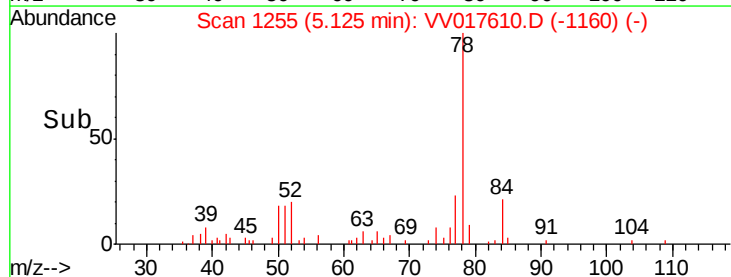
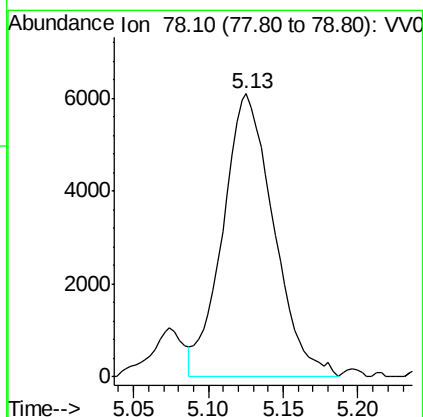
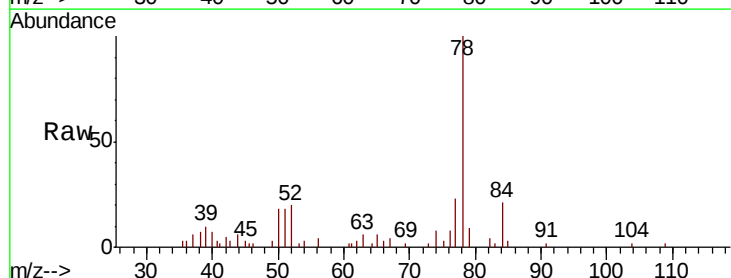
Instrument :
MSVOA_V
ClientSampled :
MDL05

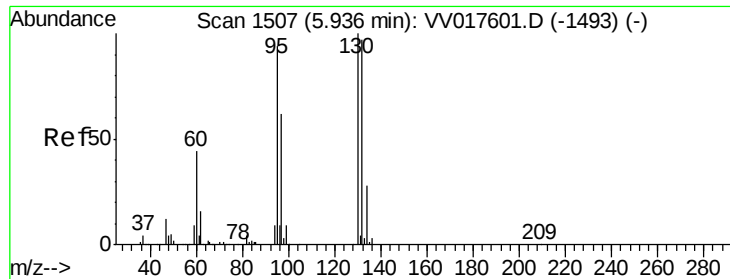
Tot Ion:117 Resp: 5943
Ion Ratio Lower Upper
117 100
119 95.3 76.9 115.3



#33
Benzene
Concen: 0.294 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Tgt Ion: 78 Resp: 14428





#34

Trichloroethene

Concen: 0.312 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

MDL05

Tot Ion: 95 Resp: 4278

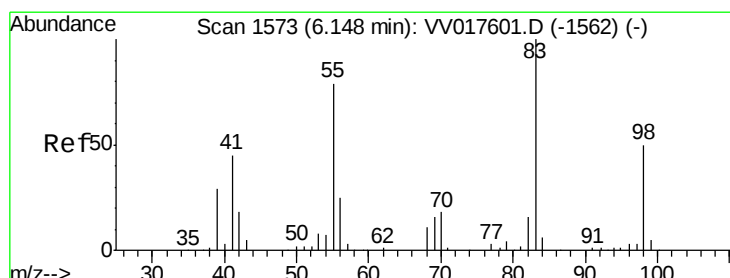
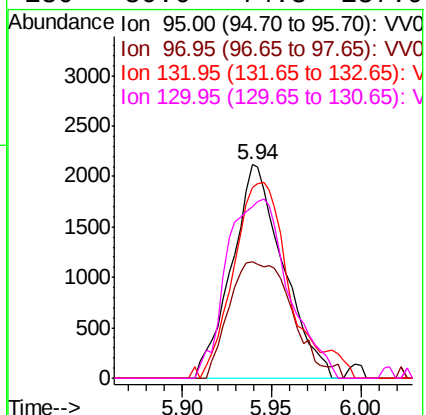
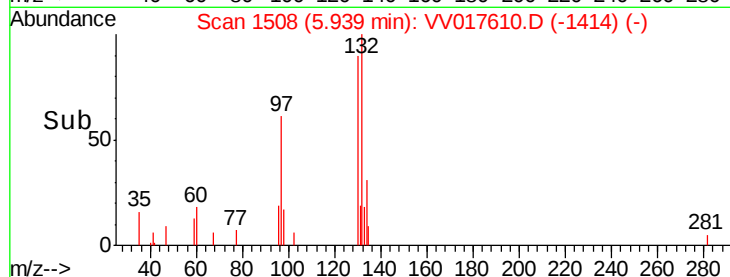
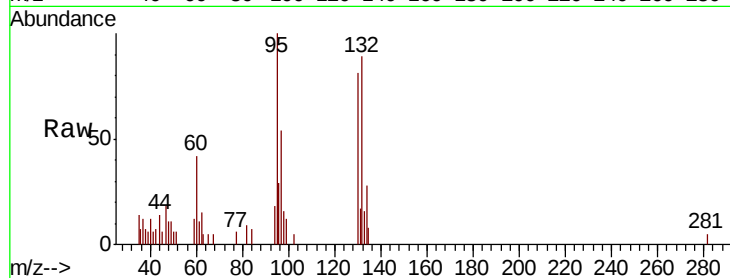
Ion Ratio Lower Upper

95 100

97 54.5 46.1 85.5

132 89.1 71.7 133.1

130 80.6 74.3 137.9



#35

Methylcyclohexane

Concen: 0.265 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

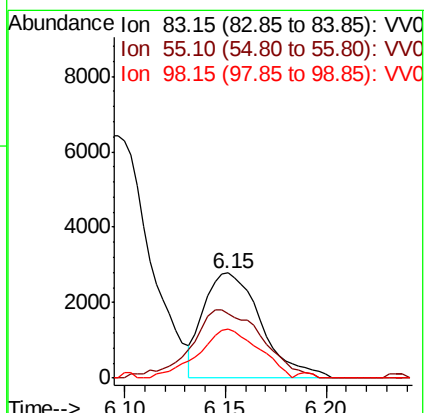
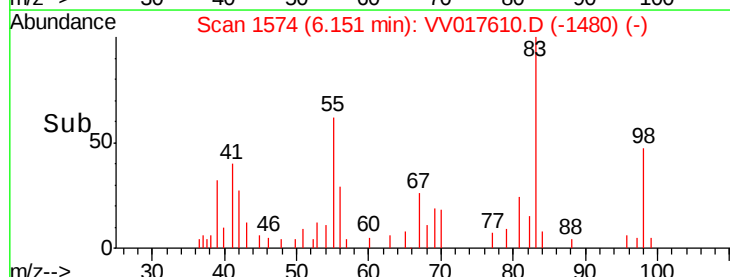
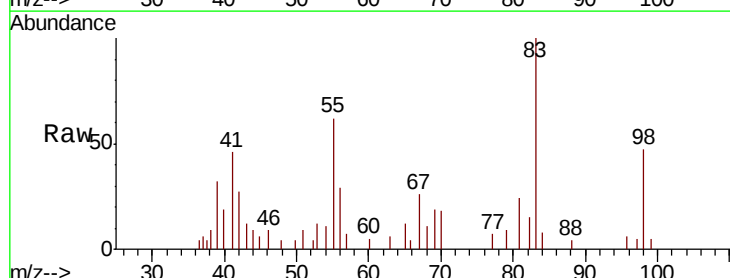
Tgt Ion: 83 Resp: 5496

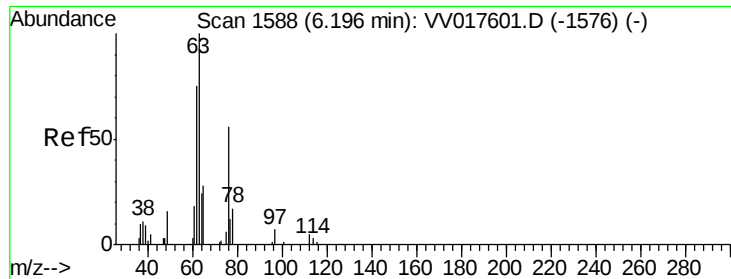
Ion Ratio Lower Upper

83 100

55 80.0 61.8 92.8

98 49.1 39.0 58.6

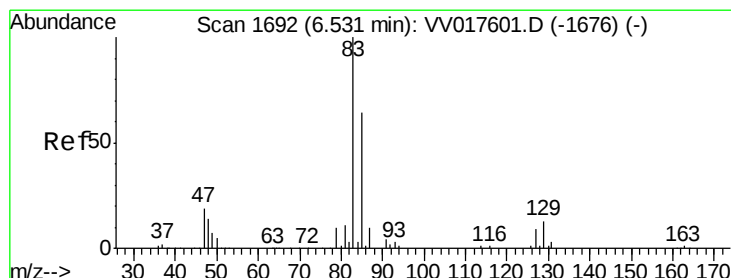
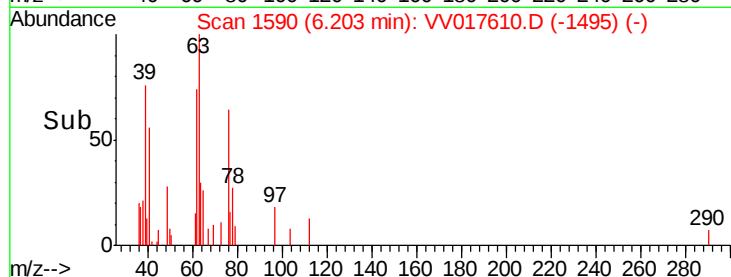
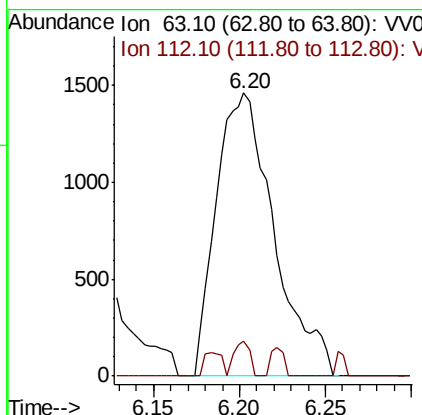
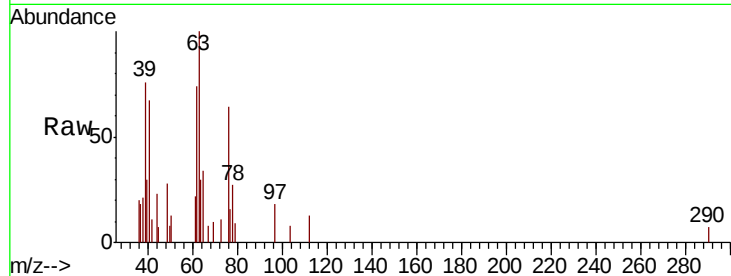




#37
 1,2-Dichloropropane
 Concen: 0.296 ug/L
 RT: 6.20 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

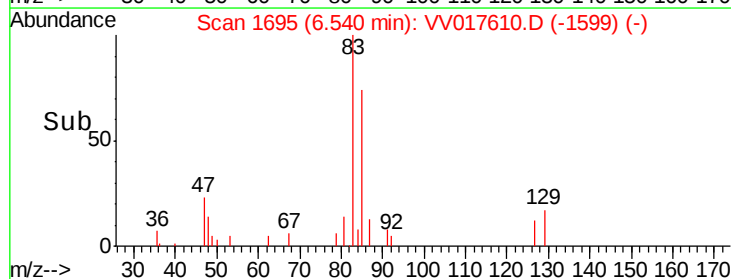
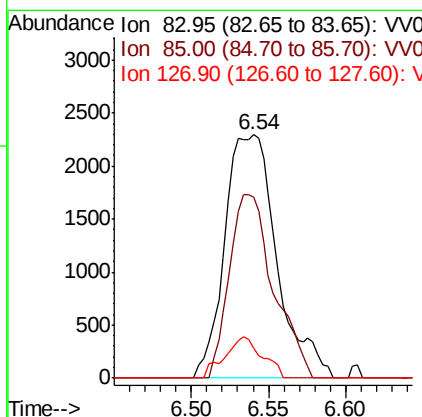
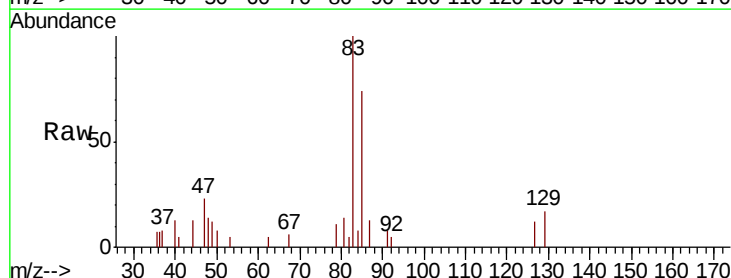
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

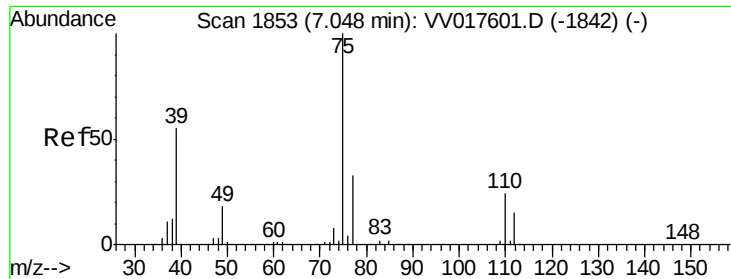
Tot Ion: 63 Resp: 3422
 Ion Ratio Lower Upper
 63 100
 112 3.3 4.5 6.7#



#38
 Bromodichloromethane
 Concen: 0.317 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Tgt Ion: 83 Resp: 5381
 Ion Ratio Lower Upper
 83 100
 85 74.2 44.7 83.1
 127 12.5 7.4 11.0#

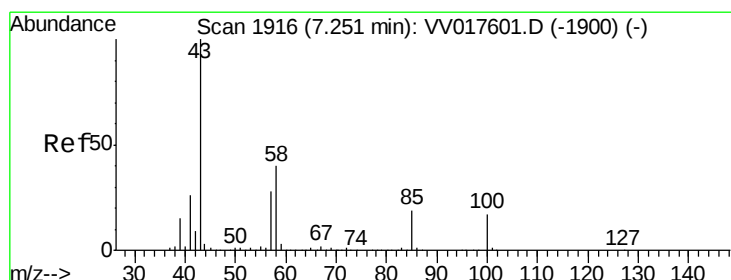
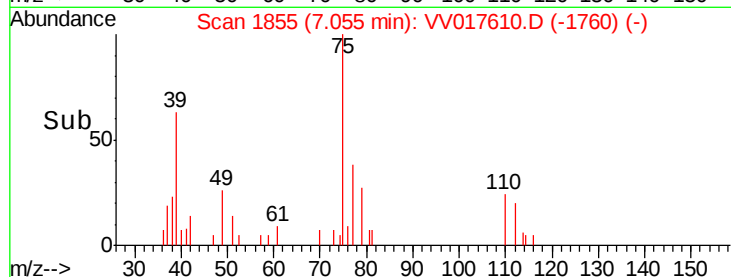
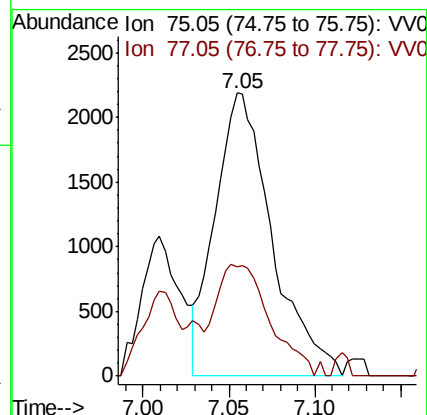
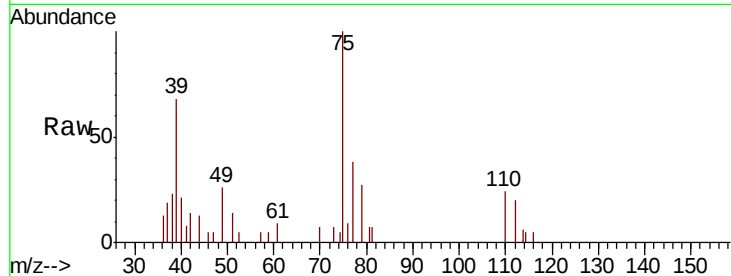




#39
 cis-1,3-Dichloropropene
 Concen: 0.290 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

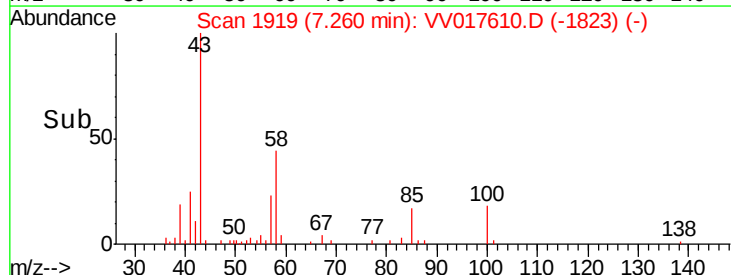
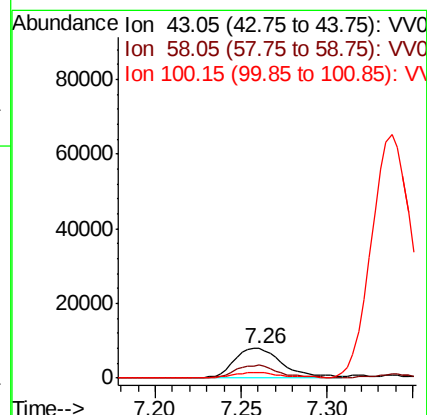
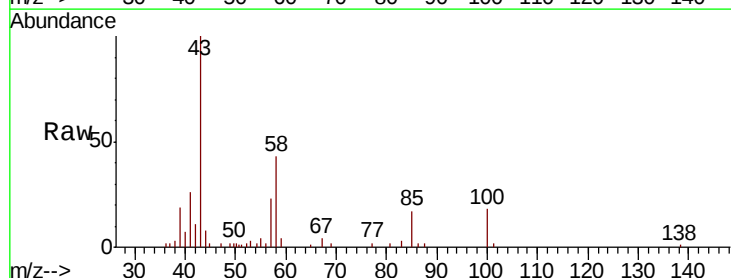
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

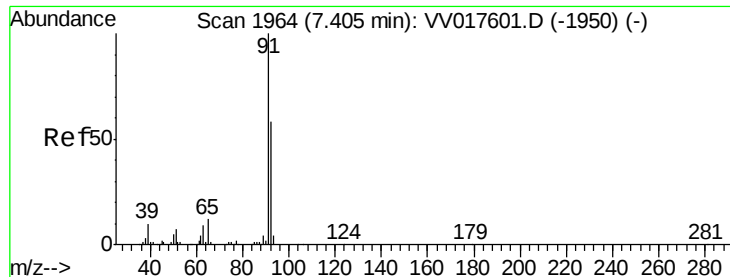
Tot Ion: 75 Resp: 5052
 Ion Ratio Lower Upper
 75 100
 77 38.4 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 2.483 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Tgt Ion: 43 Resp: 15726
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.2 46.8
 100 0.0 13.6 20.4#





#42

Toluene

Concen: 0.282 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampled :

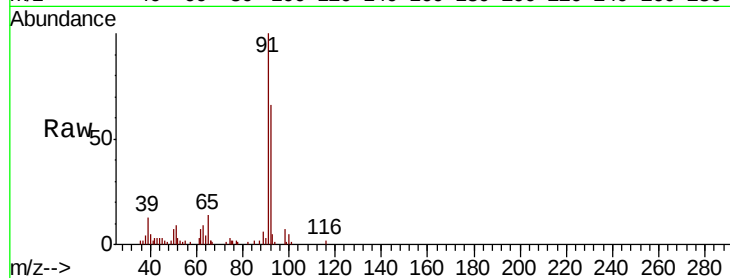
MDL05

Tot Ion: 91 Resp: 15122

Ion Ratio Lower Upper

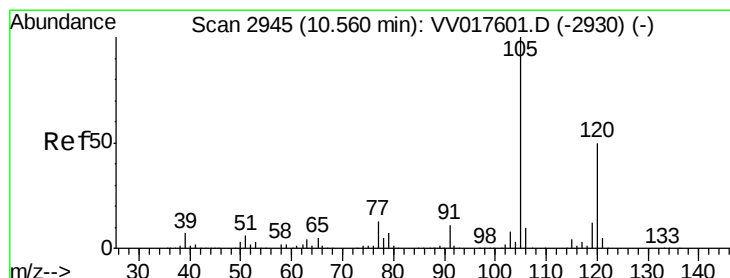
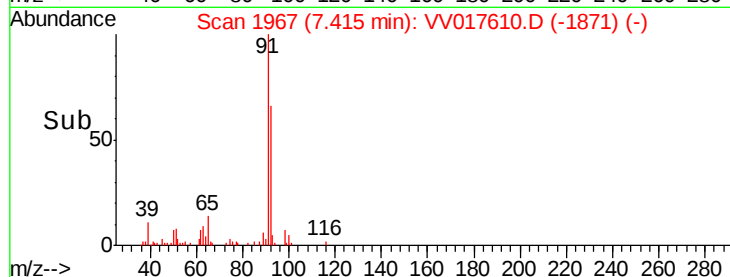
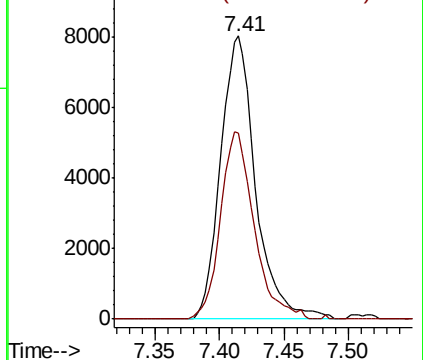
91 100

92 65.6 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#43

1,3,5-Trimethylbenzene

Concen: 0.212 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV017610.D

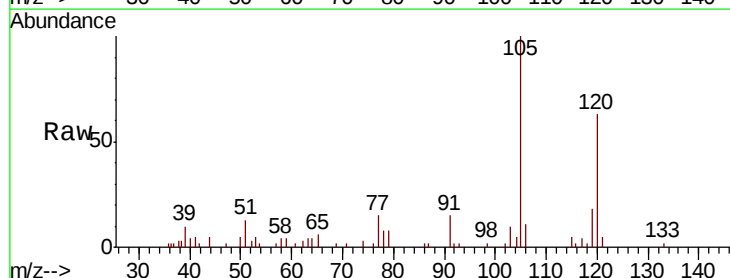
Acq: 23 Jul 2020 17:50

Tgt Ion: 105 Resp: 10636

Ion Ratio Lower Upper

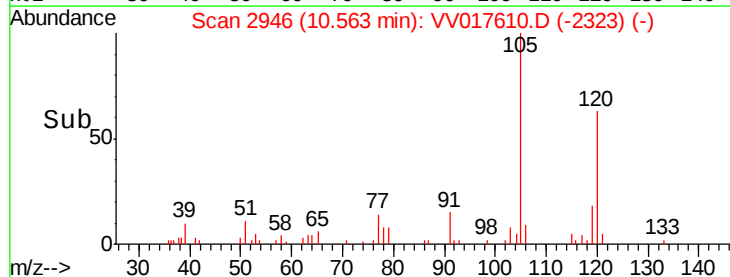
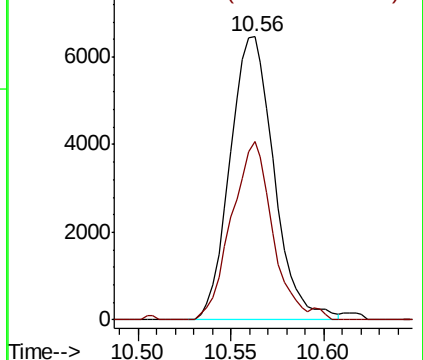
105 100

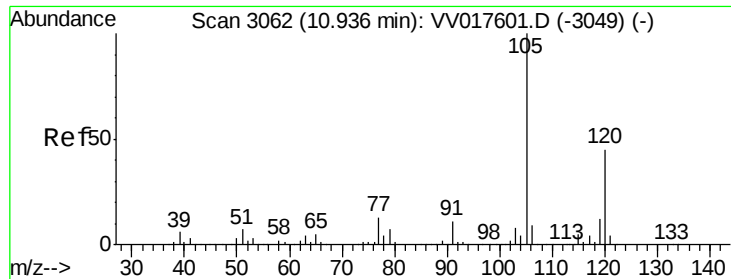
120 58.2 39.4 59.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

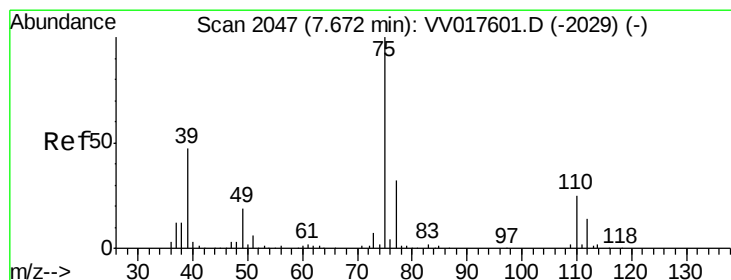
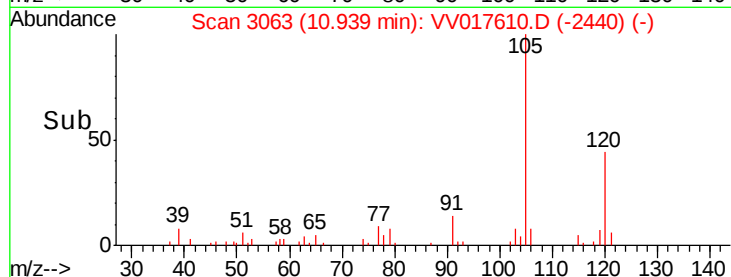
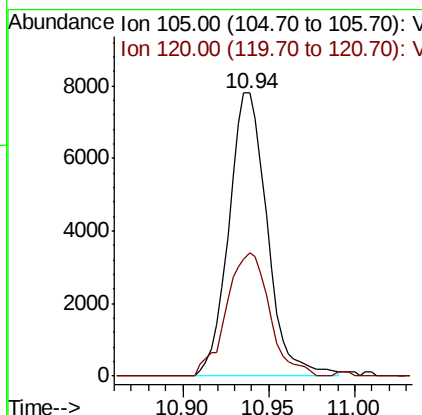
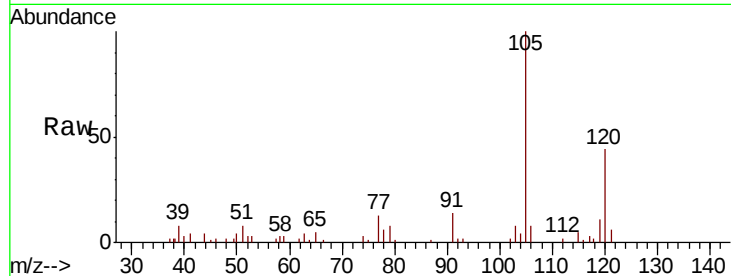




#44
1,2,4-Trimethylbenzene
Concen: 0.238 ug/L
RT: 10.94 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

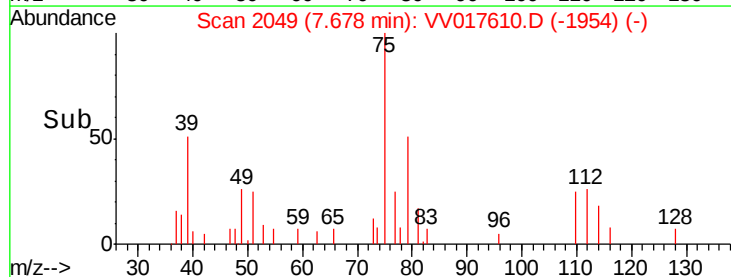
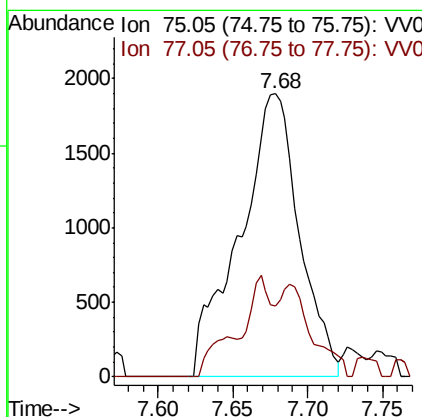
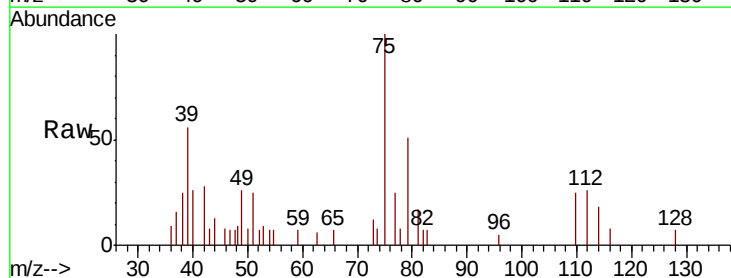
Instrument :
MSVOA_V
ClientSampleId :
MDL05

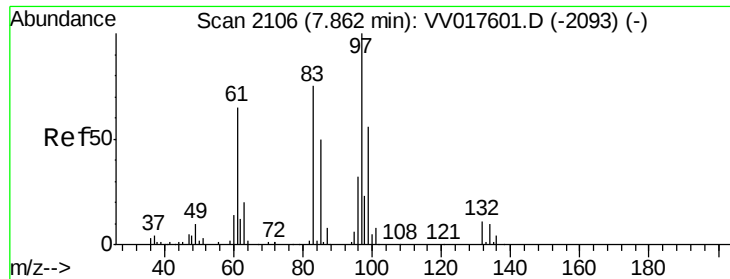
Tot Ion:105 Resp: 12168
Ion Ratio Lower Upper
105 100
120 48.7 35.9 53.9



#46
trans-1,3-Dichloropropene
Concen: 0.339 ug/L
RT: 7.68 min Scan# 2049
Delta R.T. 0.01 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Tgt Ion: 75 Resp: 5297
Ion Ratio Lower Upper
75 100
77 24.9 22.5 41.7

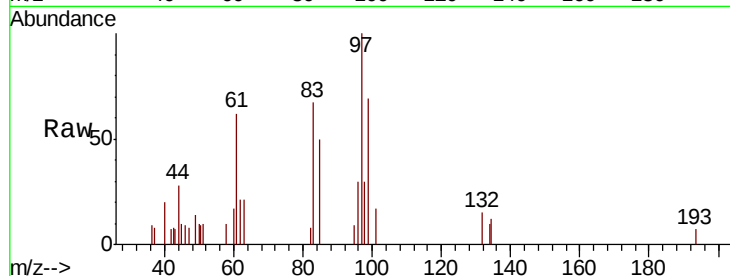




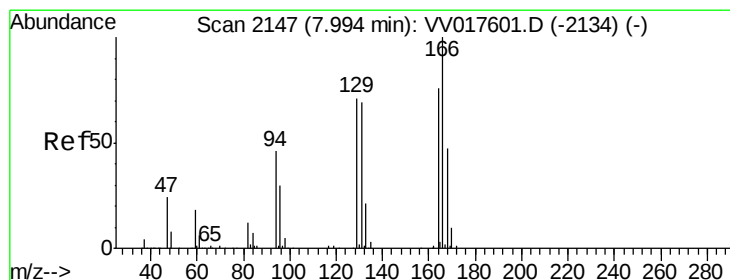
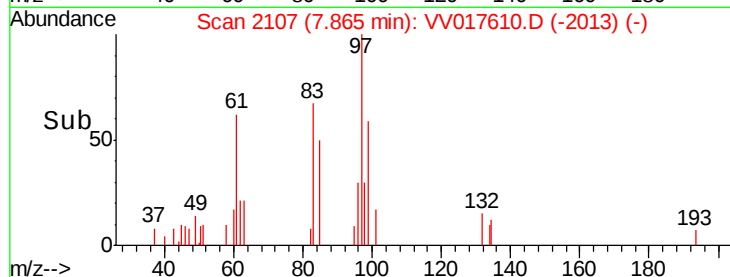
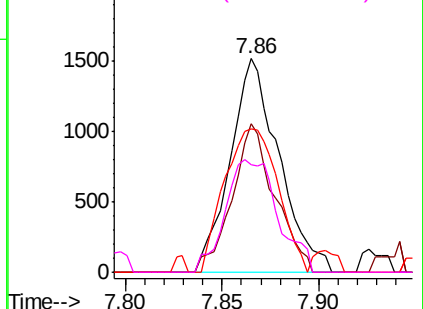
#47
 1,1,2-Trichloroethane
 Concen: 0.304 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:	97	Resp:	2660
Ion	Ratio	Lower	Upper
97	100		
99	69.3	39.5	73.4
83	67.1	52.6	97.6
85	50.4	35.1	65.1

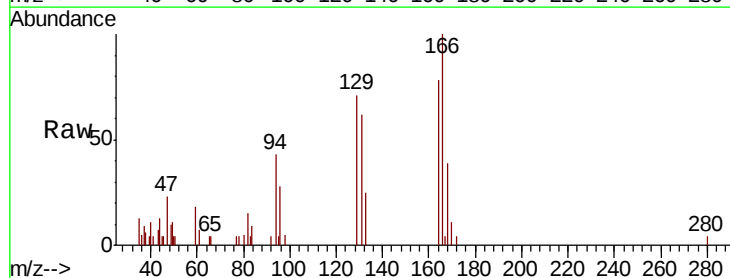


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

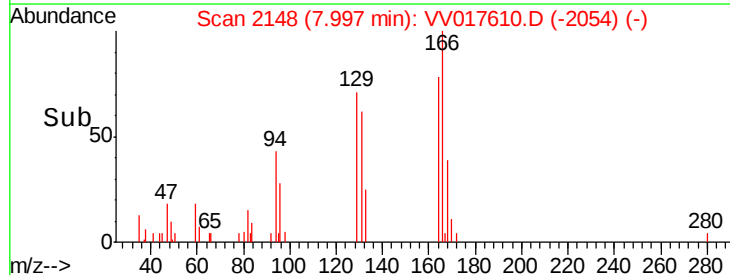
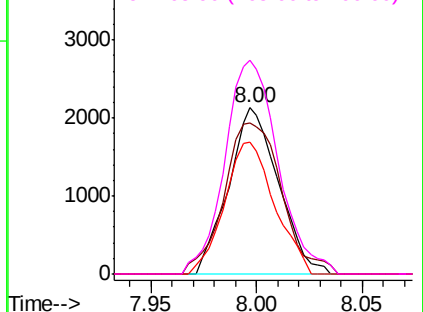


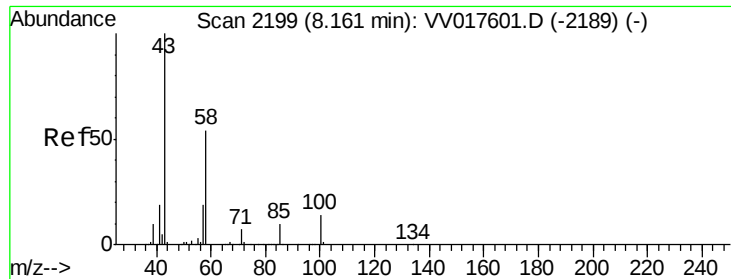
#49
 Tetrachloroethene
 Concen: 0.290 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Tgt Ion:	164	Resp:	3506
Ion	Ratio	Lower	Upper
164	100		
129	90.6	65.0	120.8
131	79.7	63.6	118.2
166	128.5	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

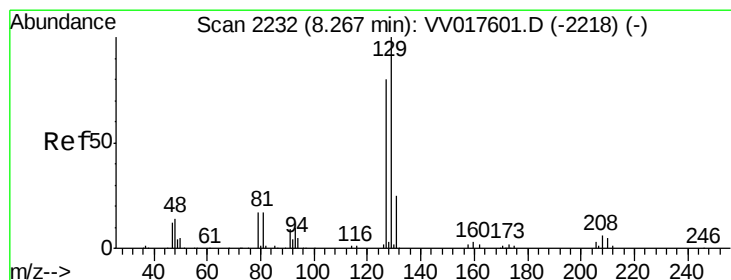
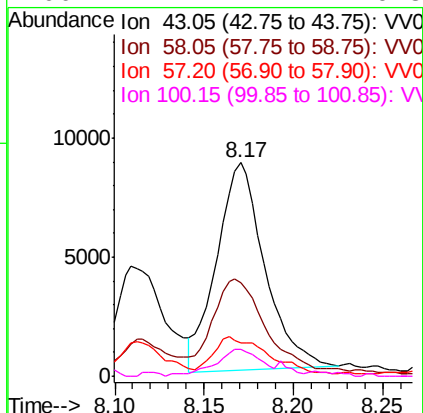
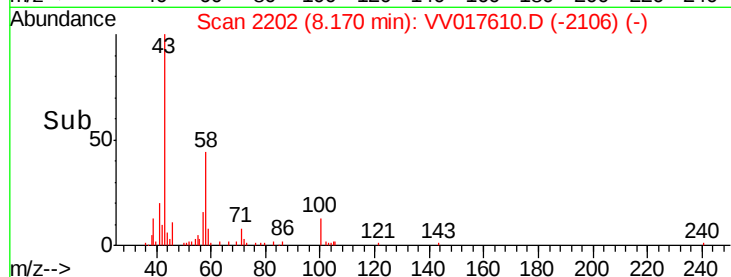
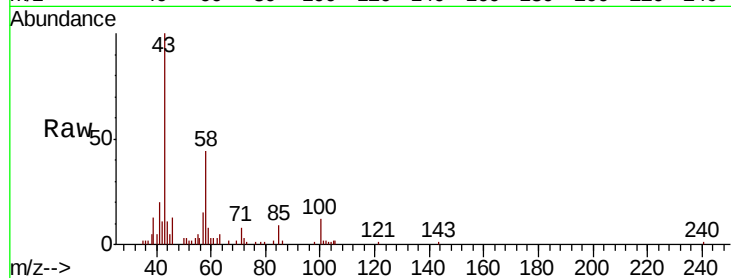




#50
2-Hexanone
Concen: 3.626 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

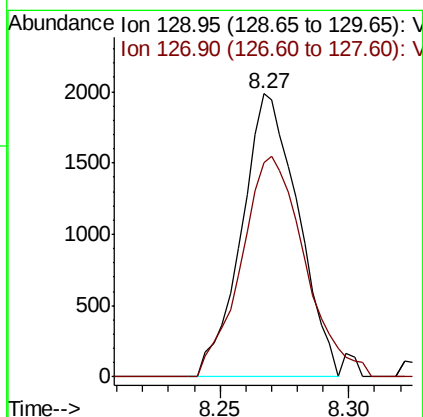
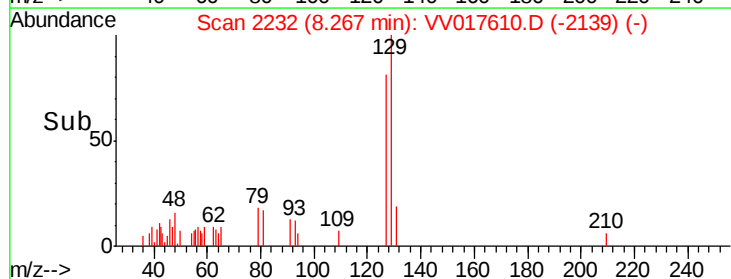
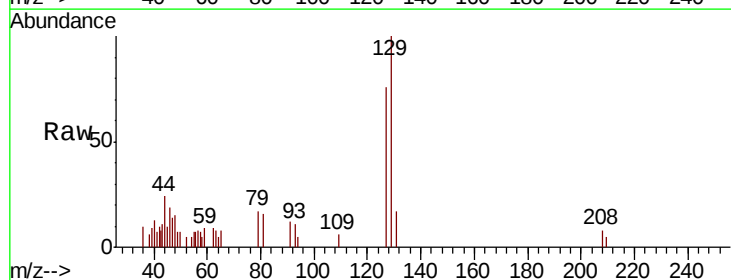
Instrument :
MSVOA_V
ClientSampleId :
MDL05

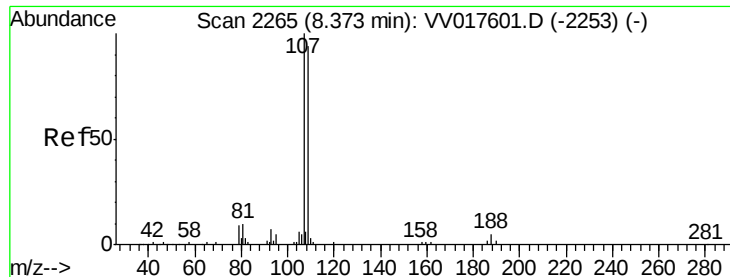
Tot Ion: 43 Resp: 16249
Ion Ratio Lower Upper
43 100
58 47.0 41.6 62.4
57 20.2 15.4 23.0
100 12.2 11.2 16.8



#51
Dibromochloromethane
Concen: 0.272 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Tgt Ion: 129 Resp: 3034
Ion Ratio Lower Upper
129 100
127 75.7 56.3 104.5

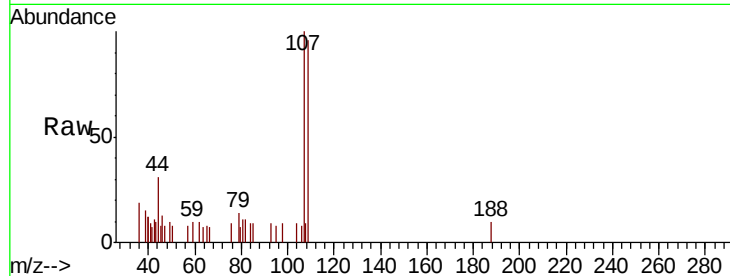




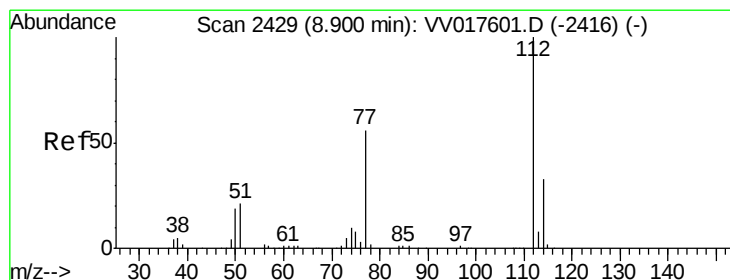
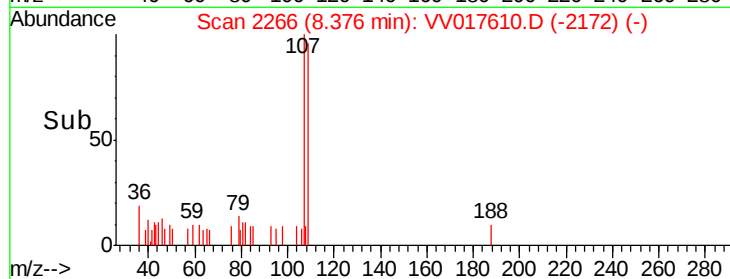
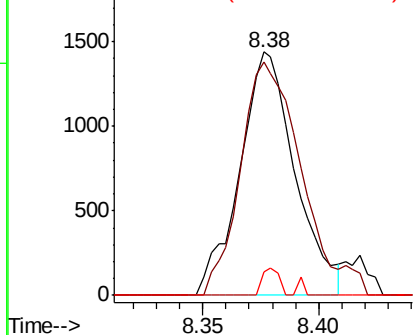
#52
 1,2-Dibromoethane
 Concen: 0.290 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Tot Ion:107 Resp: 2399
 Ion Ratio Lower Upper
 107 100
 109 95.7 65.5 121.7
 188 9.5 3.7 5.5#

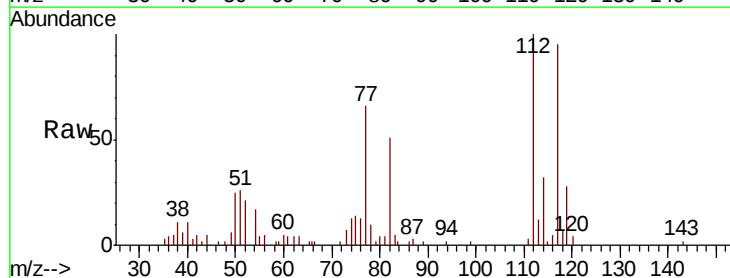


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

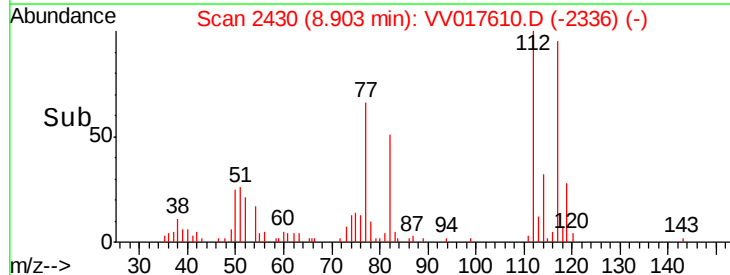
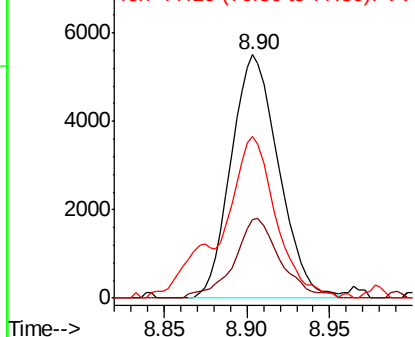


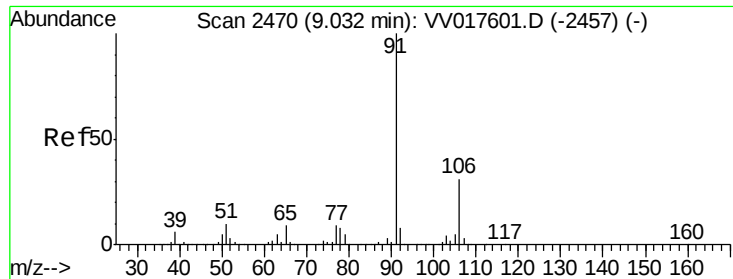
#53
 Chlorobenzene
 Concen: 0.307 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Tgt Ion:112 Resp: 10970
 Ion Ratio Lower Upper
 112 100
 114 32.1 23.2 43.2
 77 66.2 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

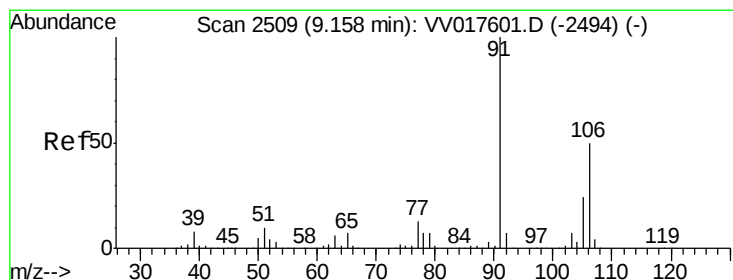
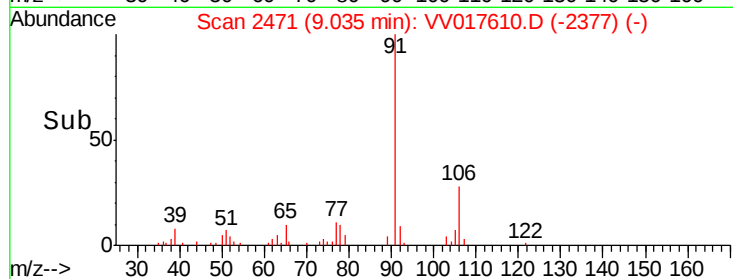
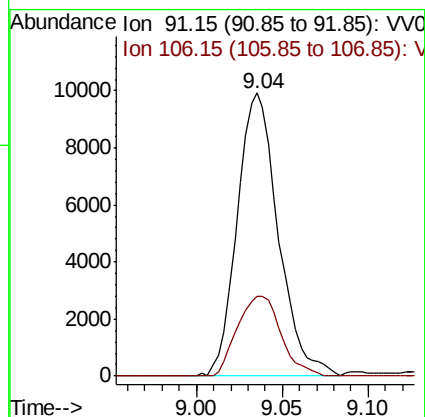
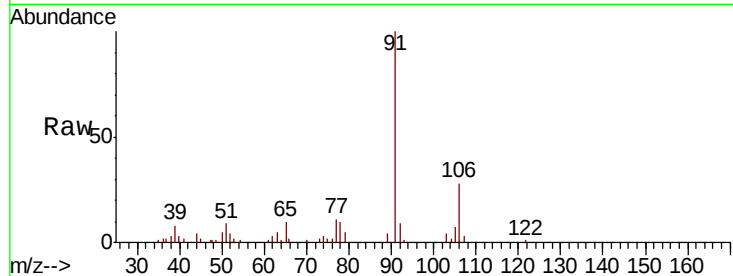




#54
Ethylbenzene
Concen: 0.274 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

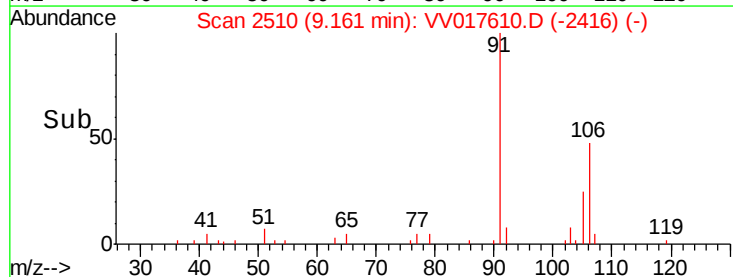
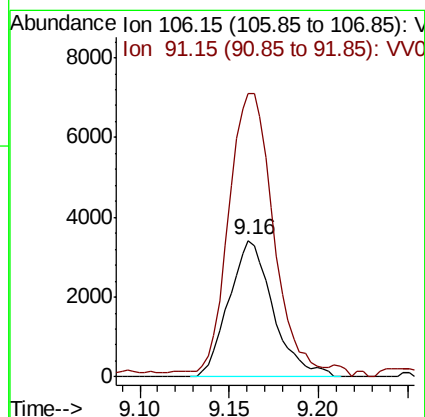
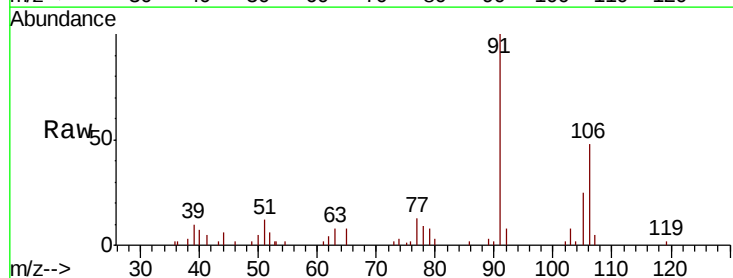
Instrument :
MSVOA_V
ClientSampled :
MDL05

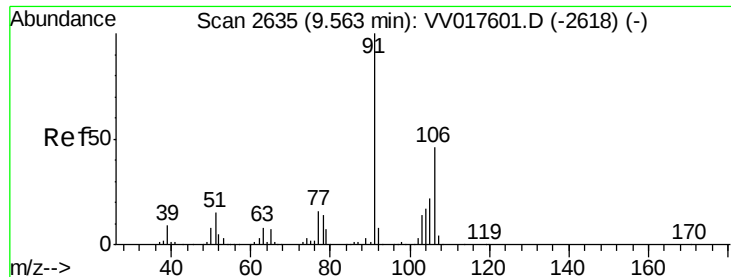
Tot Ion: 91 Resp: 16421
Ion Ratio Lower Upper
91 100
106 28.2 21.6 40.2



#55
m,p-xylene
Concen: 0.261 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Tgt Ion: 106 Resp: 5906
Ion Ratio Lower Upper
106 100
91 207.7 141.3 262.3

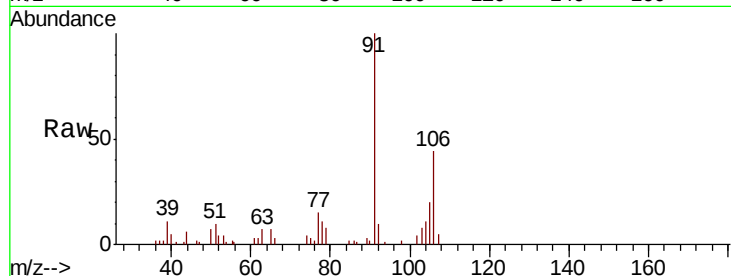




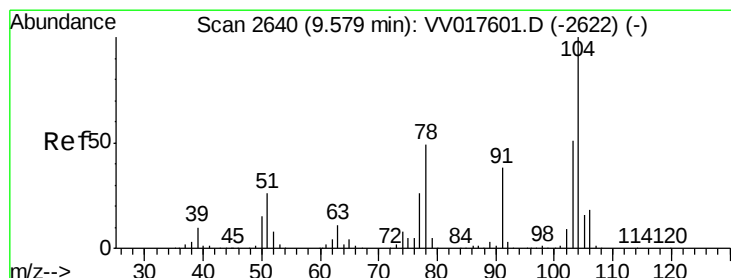
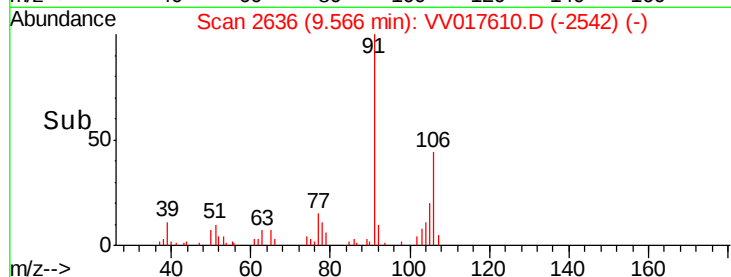
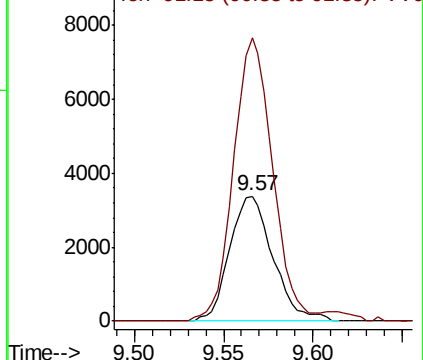
#56
o-xylene
Concen: 0.261 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Instrument :
MSVOA_V
ClientSampleID :
MDL05

Tot Ion:106 Resp: 5716
Ion Ratio Lower Upper
106 100
91 226.0 153.9 285.7

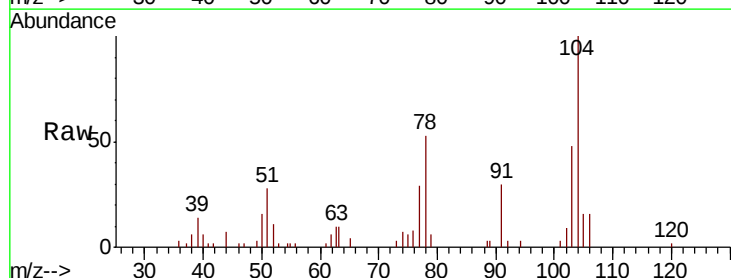


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

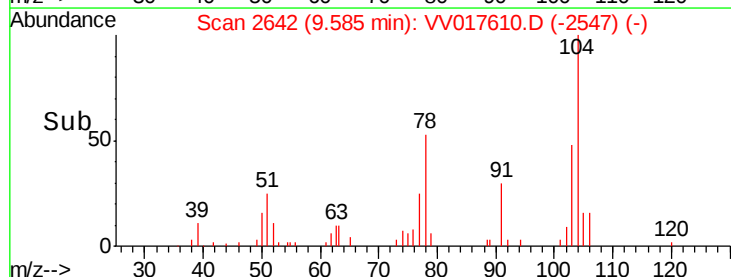
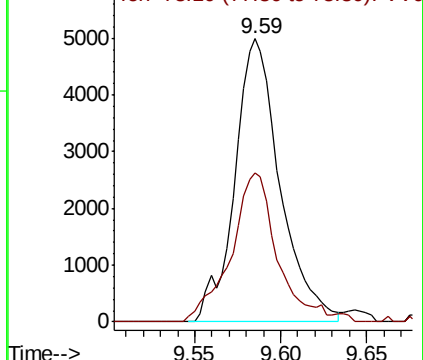


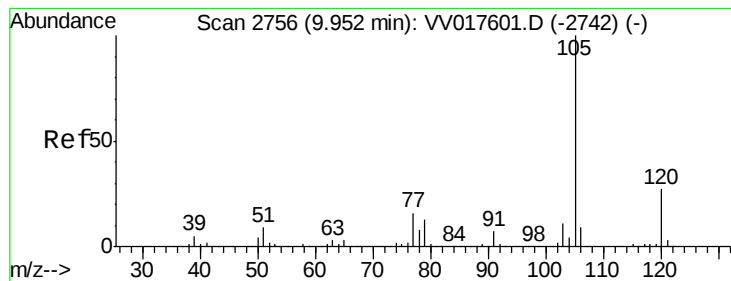
#57
Styrene
Concen: 0.250 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV017610.D
Acq: 23 Jul 2020 17:50

Tgt Ion:104 Resp: 9143
Ion Ratio Lower Upper
104 100
78 52.7 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: 0.250 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampled :

MDL05

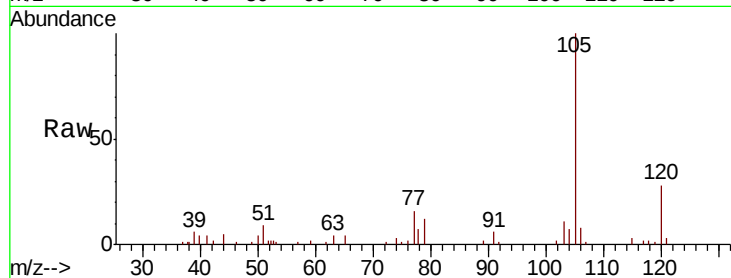
Tot Ion:105 Resp: 15104

Ion Ratio Lower Upper

105 100

120 30.1 21.1 31.7

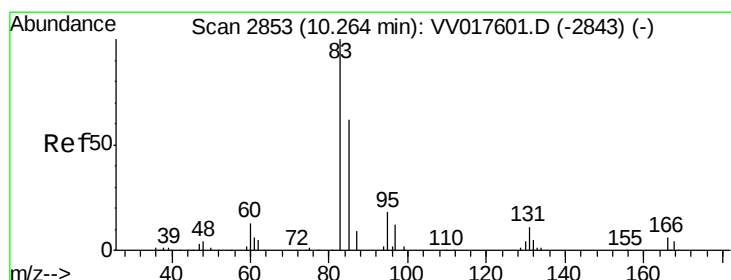
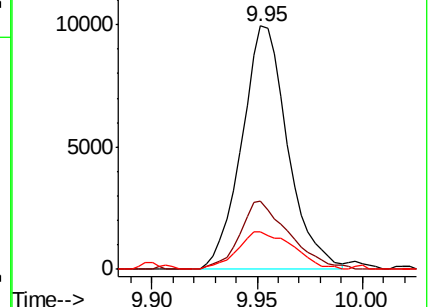
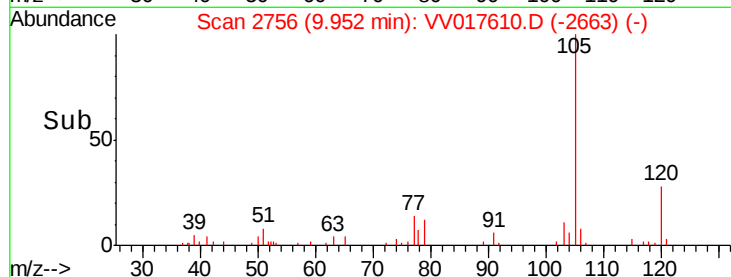
77 18.6 13.0 19.6



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): V



#60

1,1,2,2-Tetrachloroethane

Concen: 0.301 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

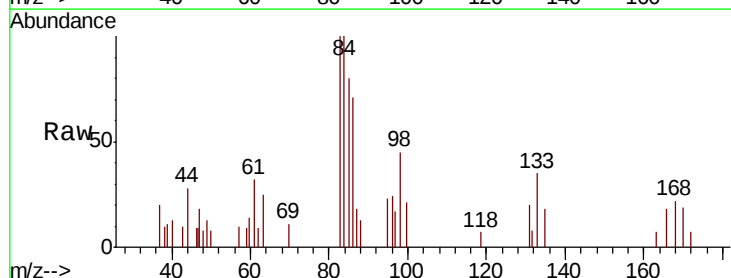
Tgt Ion: 83 Resp: 2869

Ion Ratio Lower Upper

83 100

85 80.2 44.4 82.5

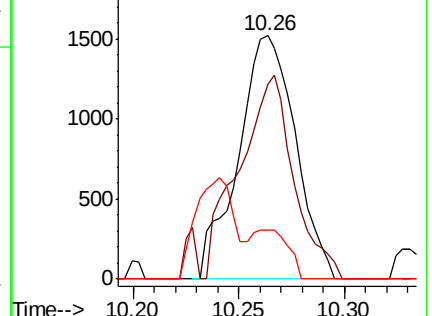
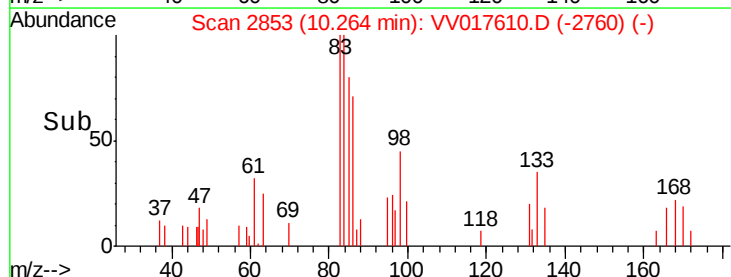
131 20.3 9.2 13.8#

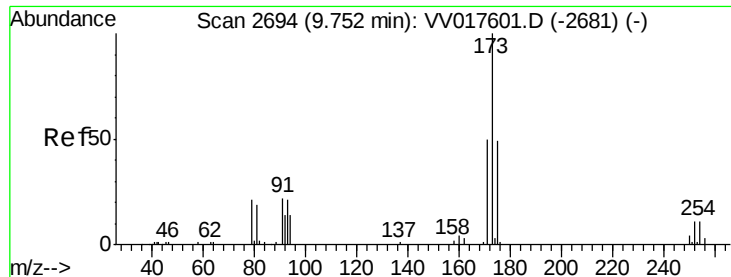


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 0.306 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampled :

MDL05

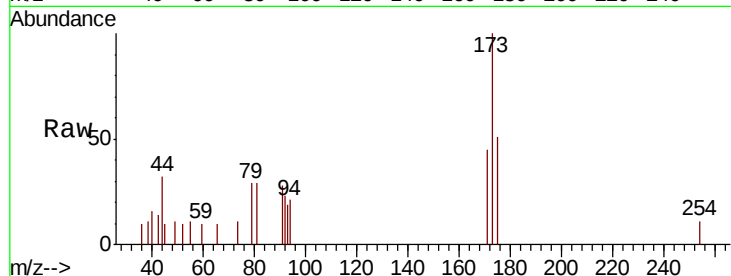
Tot Ion:173 Resp: 1713

Ion Ratio Lower Upper

173 100

175 65.8 39.6 59.4#

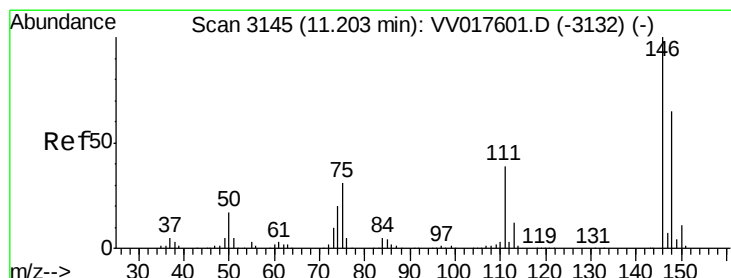
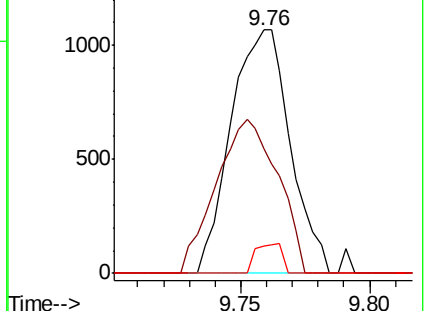
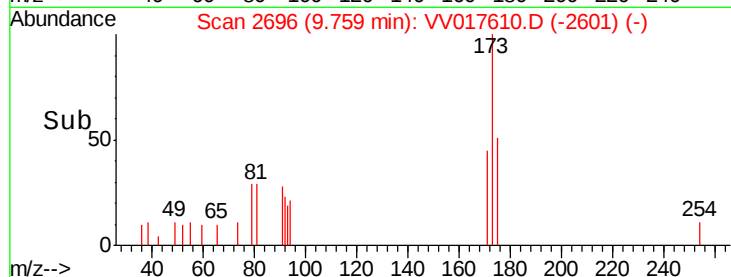
254 5.4 8.4 12.6#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 0.314 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

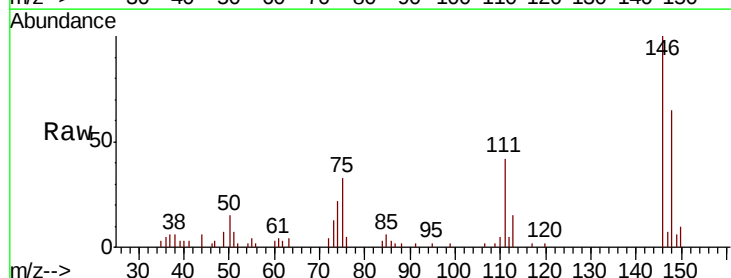
Tgt Ion:146 Resp: 8824

Ion Ratio Lower Upper

146 100

111 42.1 27.3 50.7

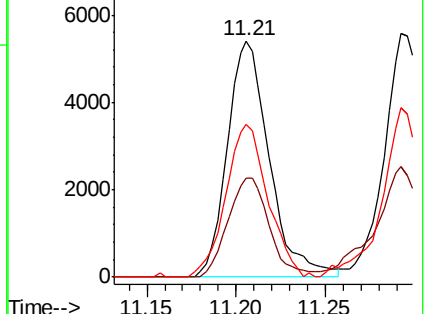
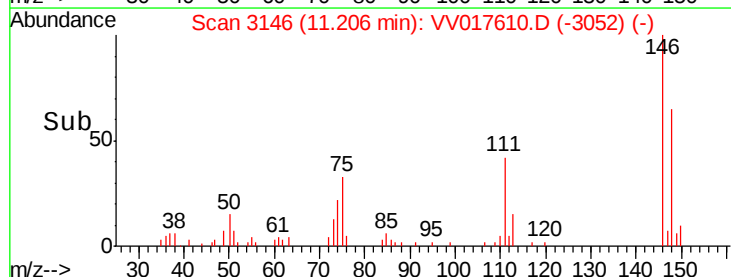
148 64.7 45.6 84.6

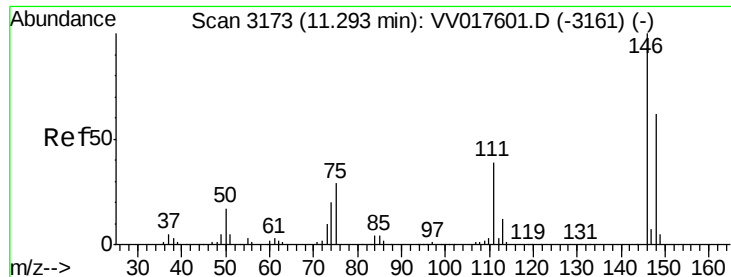


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 0.337 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

MDL05

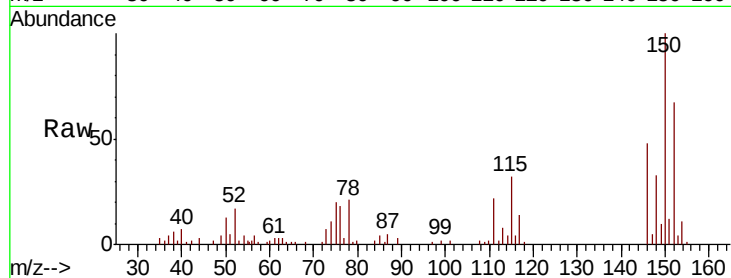
Tot Ion:146 Resp: 9502

Ion Ratio Lower Upper

146 100

111 45.3 27.4 51.0

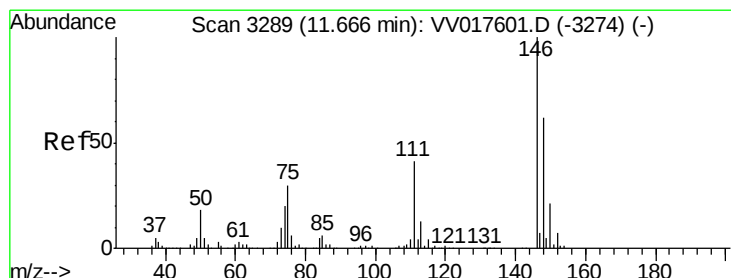
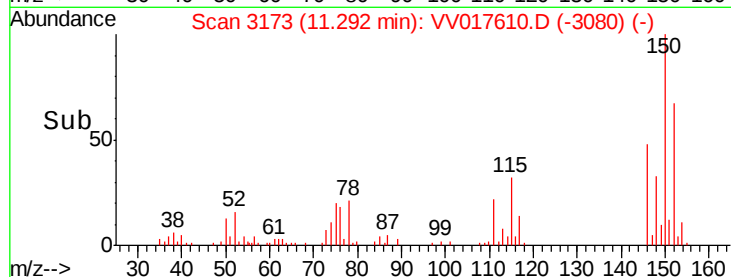
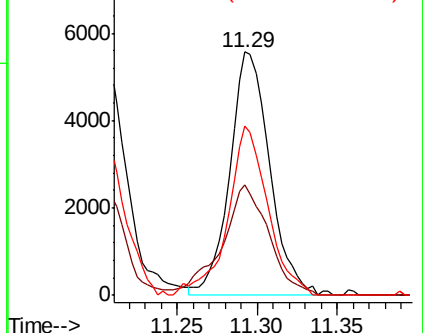
148 69.3 43.8 81.4



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



#66

1,2-Dichlorobenzene

Concen: 0.342 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

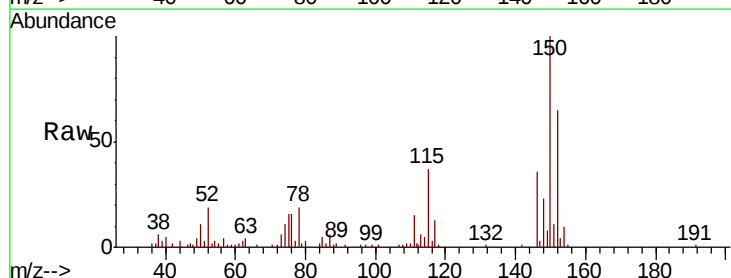
Tgt Ion:146 Resp: 8753

Ion Ratio Lower Upper

146 100

111 41.5 33.0 49.4

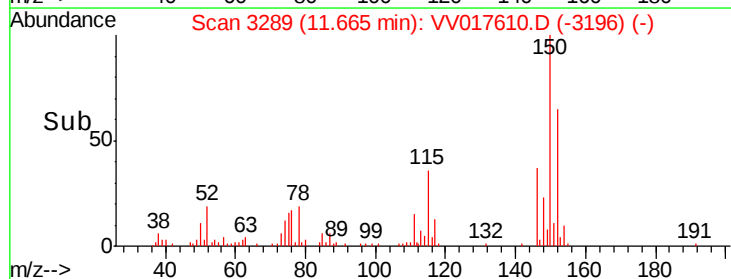
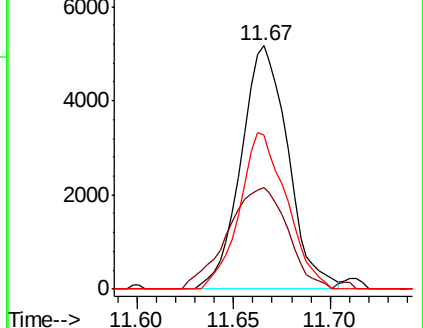
148 63.4 49.9 74.9

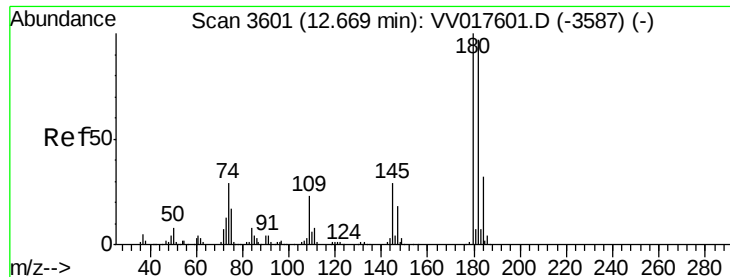


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

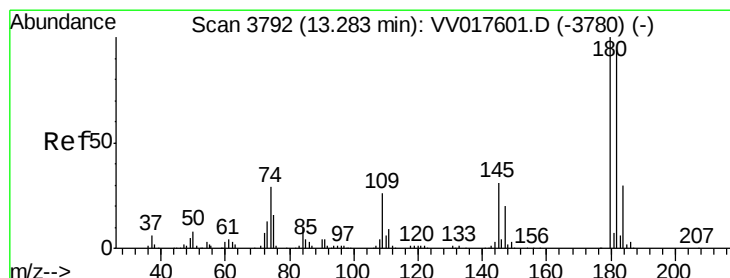
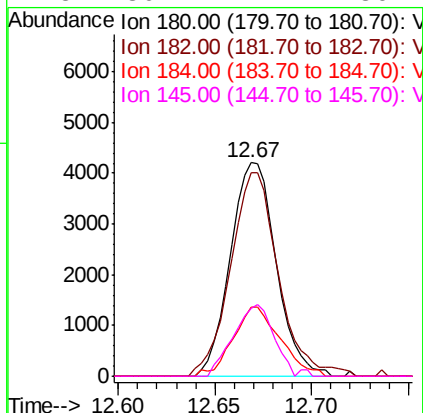
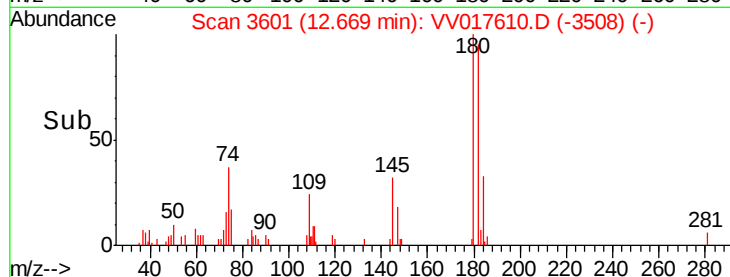
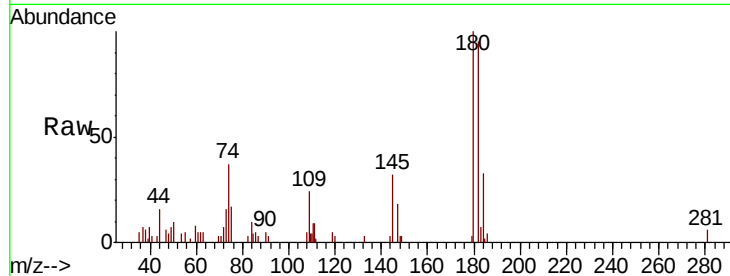




#68
 1,3,5-Trichlorobenzene
 Concen: 0.304 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

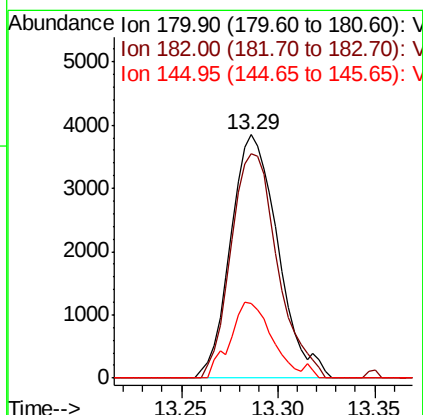
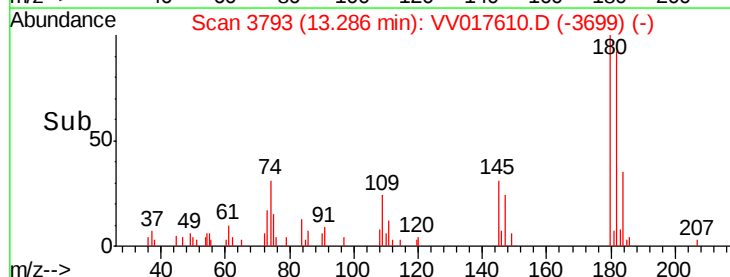
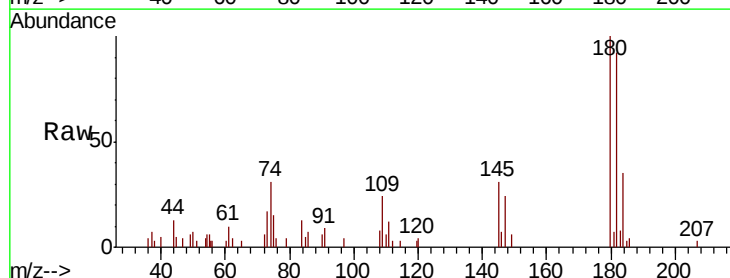
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

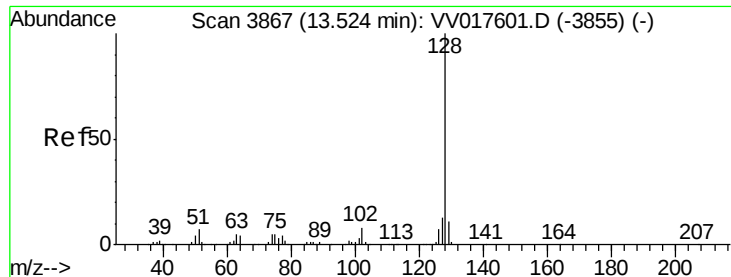
Tot Ion:180	Resp: 6937
Ion Ratio	Lower Upper
180 100	
182 99.5	77.1 115.7
184 33.3	25.2 37.8
145 30.1	24.1 36.1



#69
 1,2,4-trichlorobenzene
 Concen: 0.341 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017610.D
 Acq: 23 Jul 2020 17:50

Tgt	Ion:180	Resp:	6513
Ion	Ratio	Lower	Upper
180	100		
182	91.2	75.4	113.2
145	27.5	24.2	36.2





#70

Naphthalene

Concen: 0.244 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

Instrument :

MSVOA_V

ClientSampleId :

MDL05

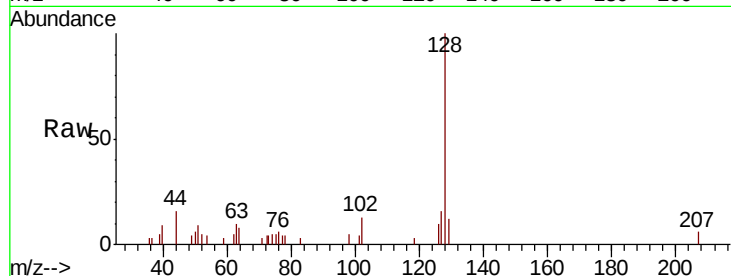
Tot Ion:128 Resp: 6506

Ion Ratio Lower Upper

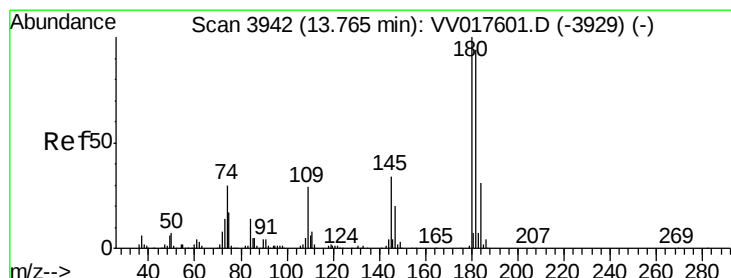
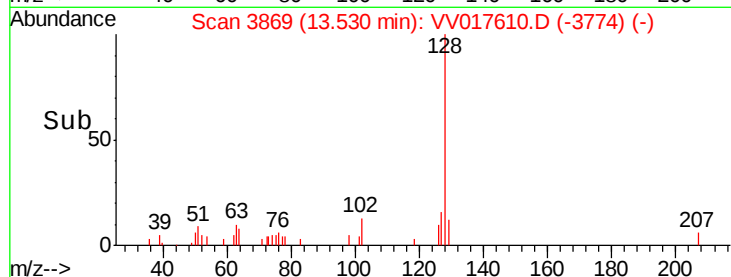
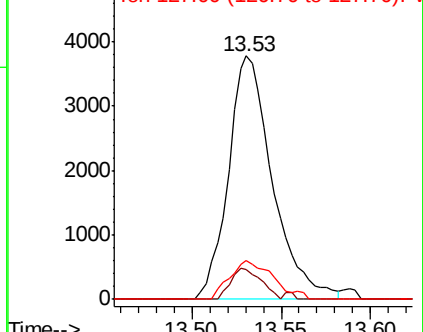
128 100

129 8.8 9.1 13.7#

127 15.7 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: 0.275 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017610.D

Acq: 23 Jul 2020 17:50

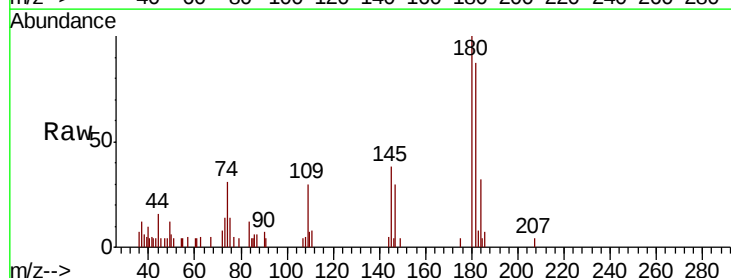
Tgt Ion:180 Resp: 4655

Ion Ratio Lower Upper

180 100

182 90.5 74.2 111.4

145 39.6 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

