

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050724\
 Data File : VW035550.D
 Acq On : 07 May 2024 13:53
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Quant Time: May 08 02:43:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	417849	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	447581	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	230286	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	132445	20.508	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.040%
7) Chloroethane-d5	1.529	69	111493	21.399	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.600%
11) 1,1-Dichloroethene-d2	2.053	65	59079	20.663	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.640%
21) 2-Butanone-d5	3.841	46	97169m	53.016	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.040%
24) Chloroform-d	4.246	84	276505	22.258	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.040%
26) 1,2-Dichloroethane-d4	4.940	65	146112	23.792	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.160%
32) Benzene-d6	4.957	84	525575	21.452	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	5.985	67	172562	22.823	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.280%
41) Toluene-d8	7.239	98	448590	20.572	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.280%
43) trans-1,3-Dichloroprop...	7.554	79	68787	21.272	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.080%
47) 2-Hexanone-d5	8.030	63	66876	49.188	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.380%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	176729	24.256	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.040%
66) 1,2-Dichlorobenzene-d4	11.558	152	188136	23.541	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.160%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	10542	1.241	ug/L	99
3) Chloromethane	1.214	50	11714	1.373	ug/L	99
5) Vinyl chloride	1.278	62	10990	1.247	ug/L #	77
6) Bromomethane	1.484	94	7373	1.321	ug/L	97
8) Chloroethane	1.545	64	6626	1.220	ug/L	98
9) Trichlorofluoromethane	1.709	101	13213	1.149	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	9963	1.373	ug/L #	83
12) 1,1-Dichloroethene	2.066	96	9150	1.396	ug/L #	1
13) Acetone	2.156	43	7894m	2.942	ug/L	
14) Carbon disulfide	2.236	76	27104	1.306	ug/L	100
15) Methyl Acetate	2.391	43	5172m	1.272	ug/L	
16) Methylene chloride	2.445	84	41358	4.292	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	8600	1.182	ug/L	92
18) Methyl tert-butyl Ether	2.706	73	17744	1.011	ug/L	98
19) 1,1-Dichloroethane	3.114	63	14763	1.082	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	8227	1.043	ug/L	97
22) 2-Butanone	3.953	43	6819m	2.737	ug/L	
23) Bromochloromethane	4.162	128	4222	1.107	ug/L #	85
25) Chloroform	4.278	83	18088	1.284	ug/L	92

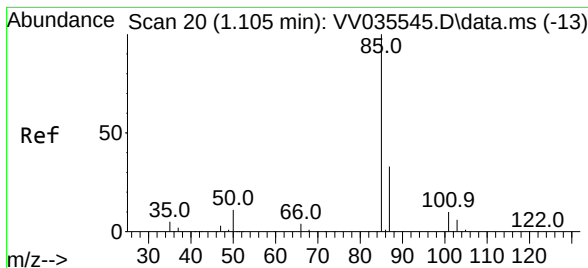
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050724\
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 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	8735	0.996	ug/L	96
29) Cyclohexane	4.577	56	10694	0.999	ug/L	94
30) 1,1,1-Trichloroethane	4.510	97	13164	1.061	ug/L	96
31) Carbon tetrachloride	4.735	117	12166	1.117	ug/L	94
33) Benzene	5.014	78	29870	1.008	ug/L	100
34) Trichloroethene	5.847	95	8475	1.011	ug/L	96
35) Methylcyclohexane	6.047	83	13672m	1.075	ug/L	
37) 1,2-Dichloropropane	6.101	63	8629m	1.117	ug/L	
38) Bromodichloromethane	6.442	83	10724m	1.024	ug/L	
39) cis-1,3-Dichloropropene	6.969	75	11760	0.973	ug/L	93
40) 4-Methyl-2-pentanone	7.175	43	11197m	2.419	ug/L	
42) Toluene	7.323	91	32404	1.034	ug/L	95
44) trans-1,3-Dichloropropene	7.593	75	11642m	1.101	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6492	0.989	ug/L	89
46) Tetrachloroethene	7.908	164	7770	1.141	ug/L	99
48) 2-Hexanone	8.104	43	9434m	2.718	ug/L	
49) Dibromochloromethane	8.178	129	7481	1.010	ug/L	87
50) 1,2-Dibromoethane	8.291	107	6890	1.065	ug/L	94
51) Chlorobenzene	8.815	112	23096	1.062	ug/L	99
52) Ethylbenzene	8.950	91	30923	0.893	ug/L	99
53) m,p-Xylene	9.079	106	11302	0.861	ug/L	93
54) o-Xylene	9.480	106	10704	0.860	ug/L	99
55) Styrene	9.506	104	16950m	0.781	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	9207	1.151	ug/L #	98
59) Bromoform	9.670	173	4582	1.012	ug/L #	94
60) Isopropylbenzene	9.870	105	27149	0.885	ug/L	97
61) 1,2,3-Trichloropropane	10.210	75	6423	1.190	ug/L #	90
62) 1,3,5-Trimethylbenzene	10.477	105	18852	0.783	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	20405	0.825	ug/L	97
64) 1,3-Dichlorobenzene	11.120	146	16458	1.022	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	17958	1.078	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	17354	1.145	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.368	75	1350	1.079	ug/L	87
69) 1,3,5-Trichlorobenzene	12.586	180	12535	0.996	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	10266	0.977	ug/L	99
71) Naphthalene	13.445	128	16939	0.919	ug/L #	92
72) 1,2,3-Trichlorobenzene	13.683	180	9276	0.982	ug/L	97

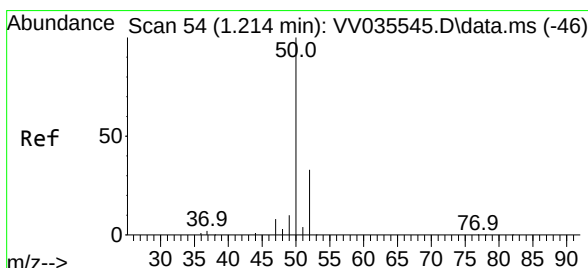
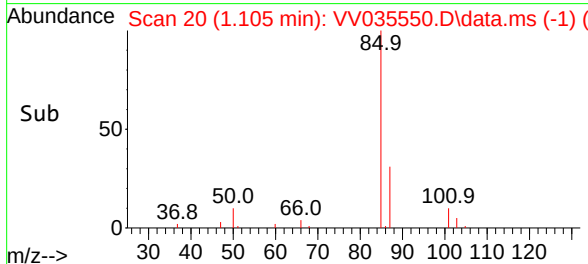
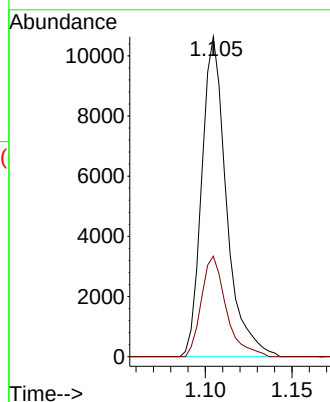
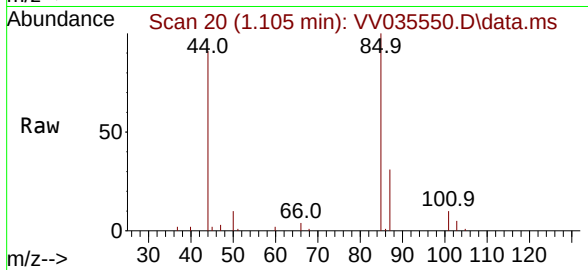
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#2
 Dichlorodifluoromethane
 Concen: 1.241 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV035550.D
 Acq: 07 May 2024 13:53

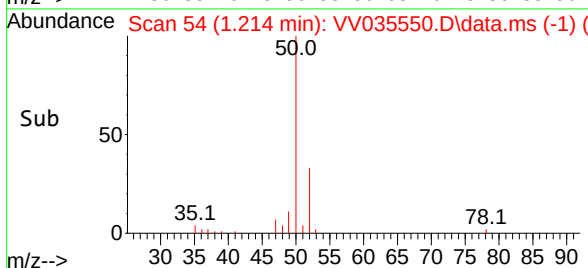
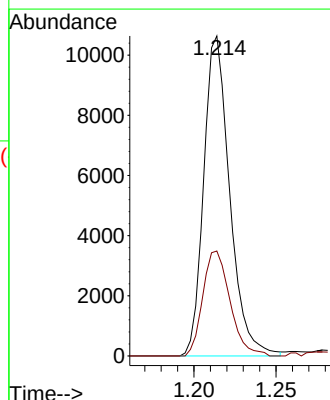
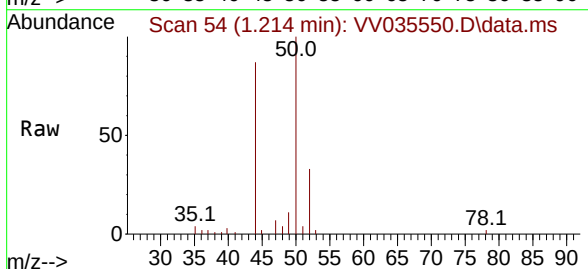
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

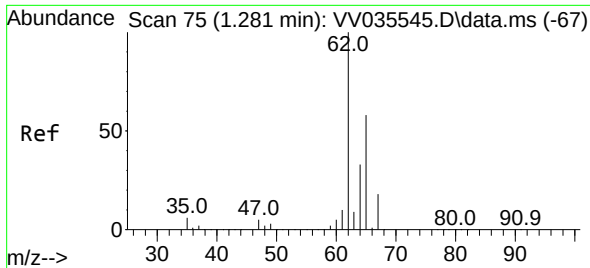
Tgt Ion: 85 Resp: 10542
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.8 38.6



#3
 Chloromethane
 Concen: 1.373 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.000 min
 Lab File: VV035550.D
 Acq: 07 May 2024 13:53

Tgt Ion: 50 Resp: 11714
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.7 42.1

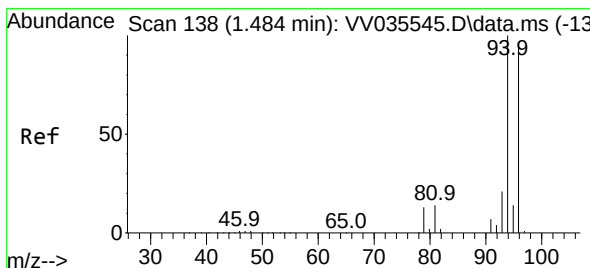
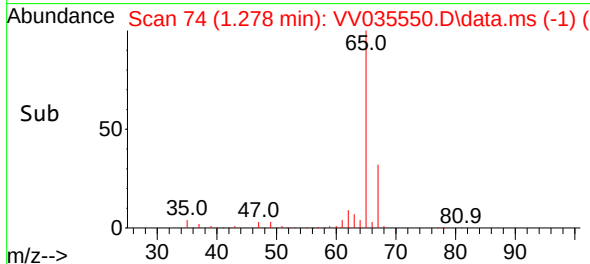
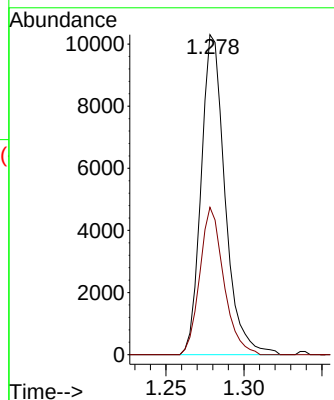
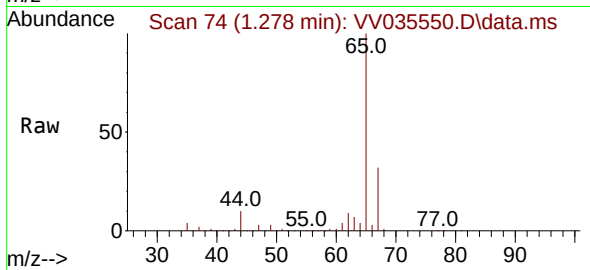




#5
 Vinyl chloride
 Concen: 1.247 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV035550.D
 Acq: 07 May 2024 13:53

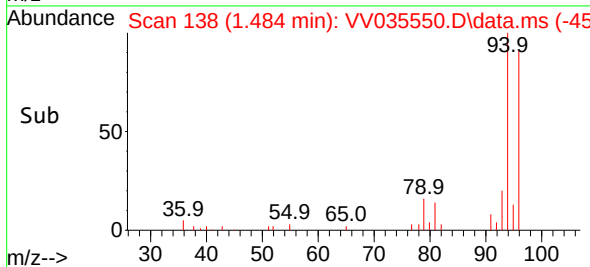
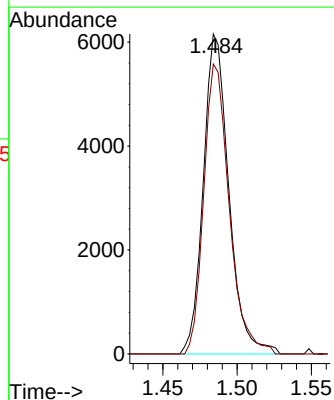
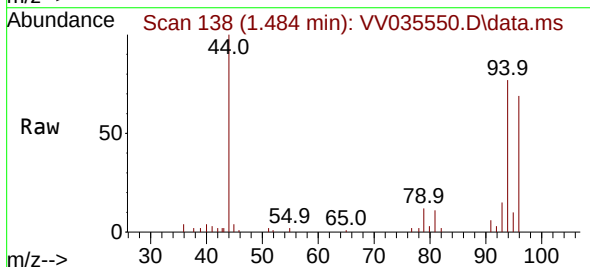
Instrument :
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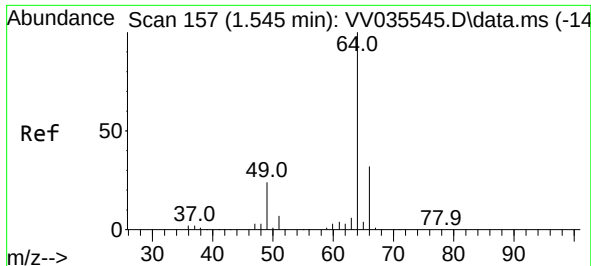
Tgt Ion: 62 Resp: 10990
 Ion Ratio Lower Upper
 62 100
 64 46.0 23.0 42.6#



#6
 Bromomethane
 Concen: 1.321 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV035550.D
 Acq: 07 May 2024 13:53

Tgt Ion: 94 Resp: 7373
 Ion Ratio Lower Upper
 94 100
 96 90.6 65.2 121.0

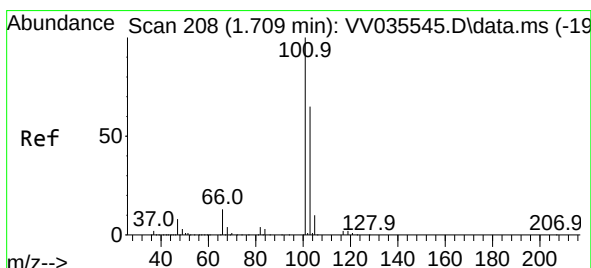
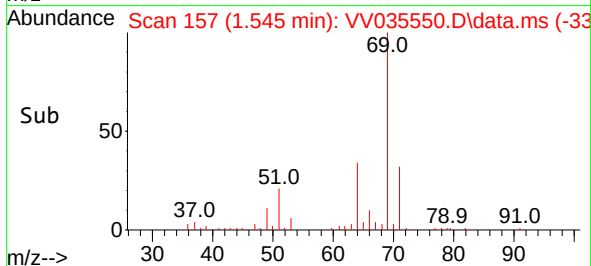
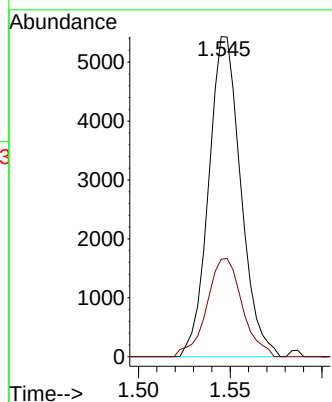
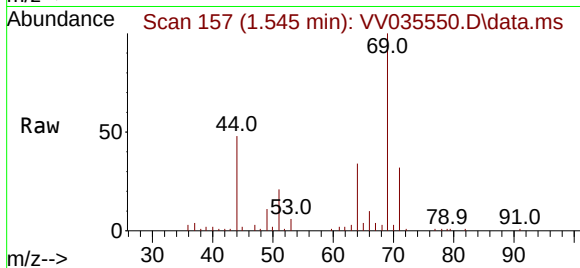




#8
Chloroethane
Concen: 1.220 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

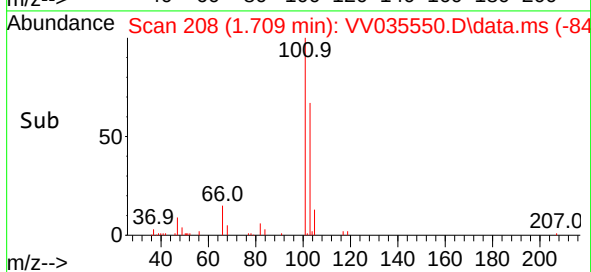
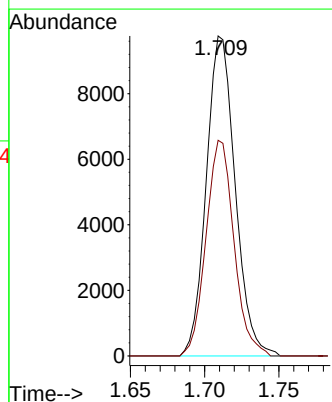
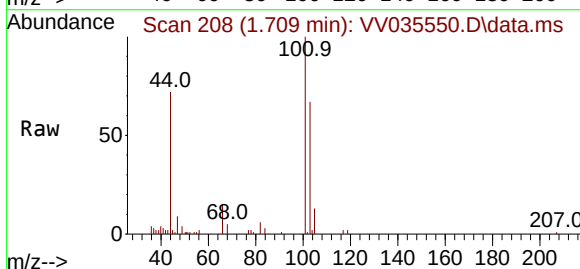
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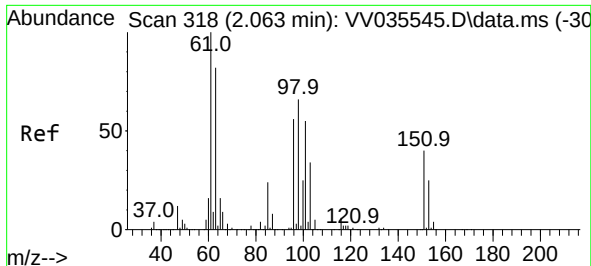
Tgt Ion: 64 Resp: 6626
Ion Ratio Lower Upper
64 100
66 30.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.149 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion:101 Resp: 13213
Ion Ratio Lower Upper
101 100
103 65.3 51.5 77.3





#10

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

Concen: 1.373 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

MDL04

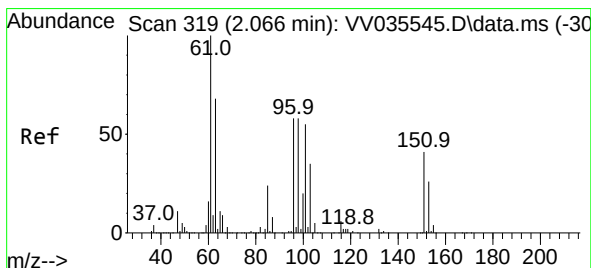
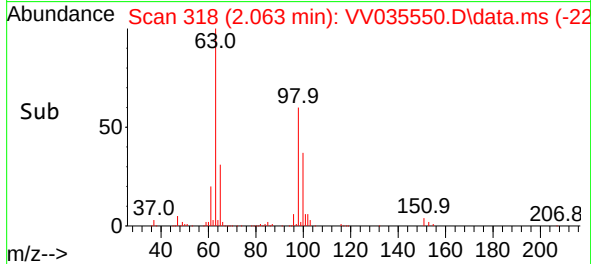
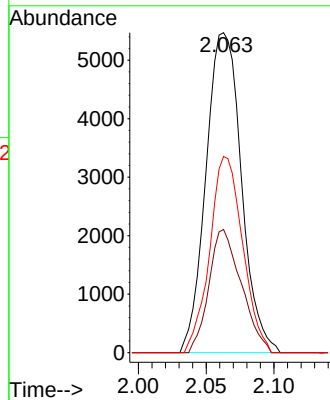
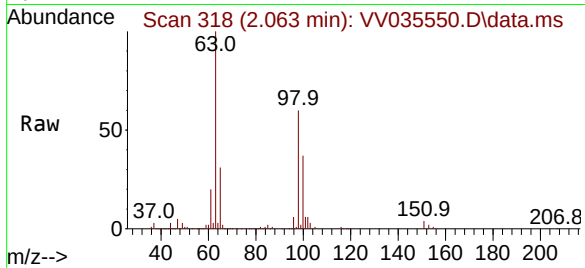
Tgt Ion:101 Resp: 9963

Ion Ratio Lower Upper

101 100

85 35.2 34.2 51.4

151 57.0 59.5 89.3#



#12

1,1-Dichloroethene

Concen: 1.396 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

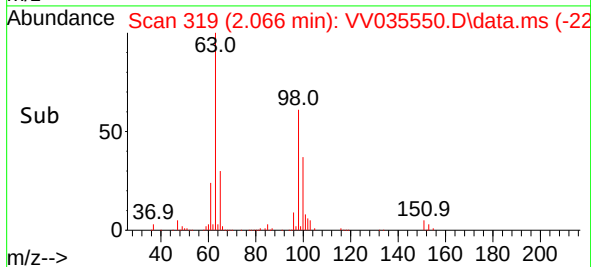
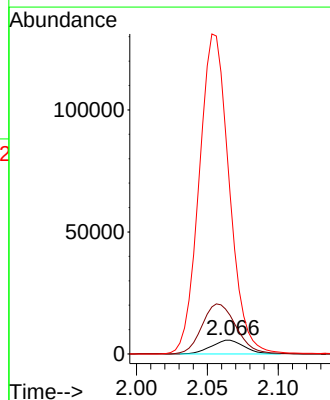
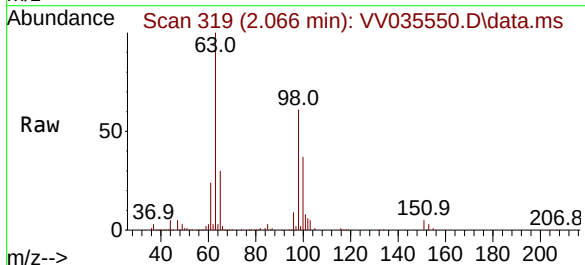
Tgt Ion: 96 Resp: 9150

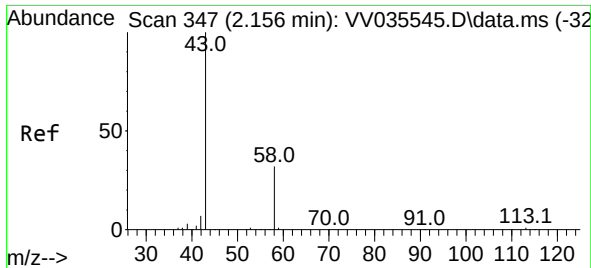
Ion Ratio Lower Upper

96 100

61 280.4 119.8 222.4#

63 1161.6 75.6 140.4#





#13

Acetone

Concen: 2.942 ug/L m

RT: 2.156 min Scan# 347

Delta R.T. 0.000 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

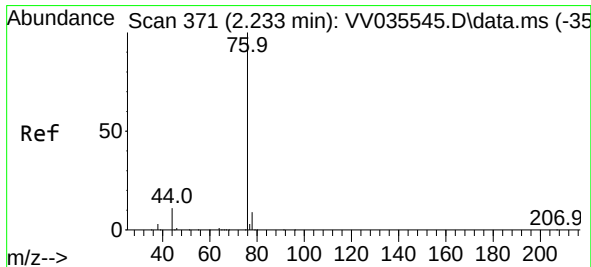
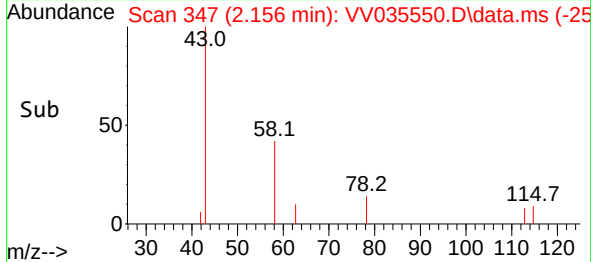
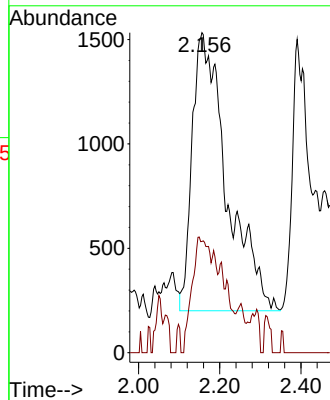
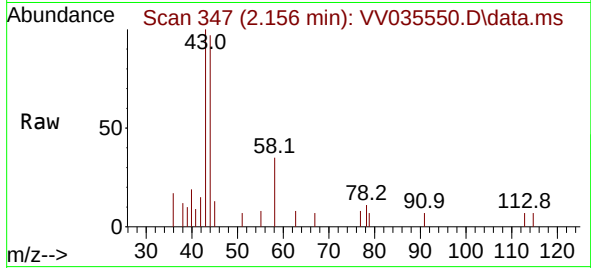
MDL04

Tgt Ion: 43 Resp: 7894

Ion Ratio Lower Upper

43 100

58 10.9 0.0 22.8



#14

Carbon disulfide

Concen: 1.306 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV035550.D

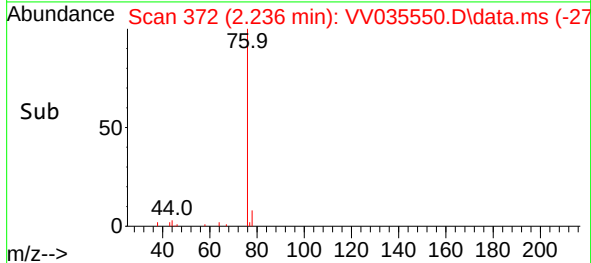
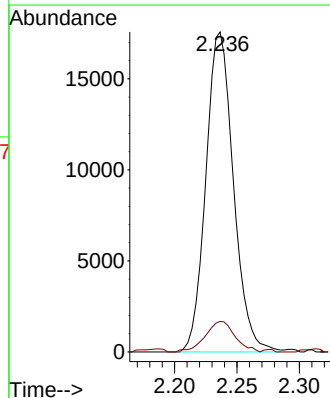
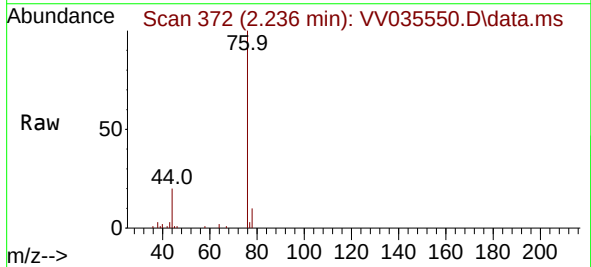
Acq: 07 May 2024 13:53

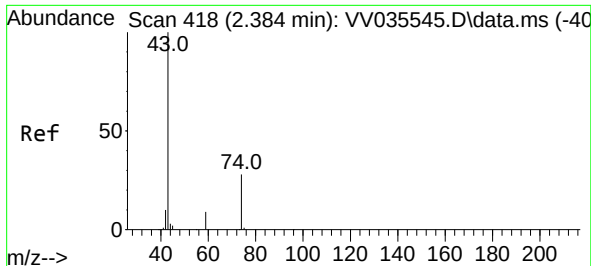
Tgt Ion: 76 Resp: 27104

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

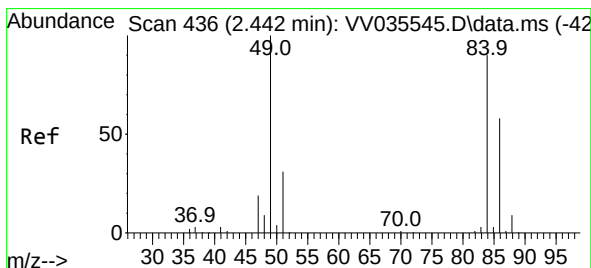
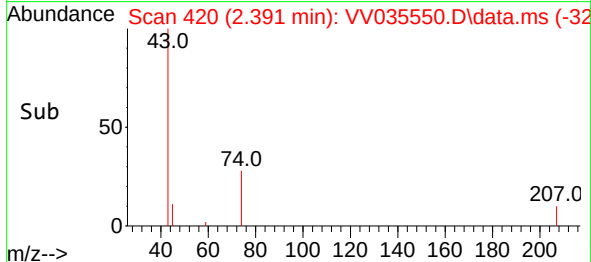
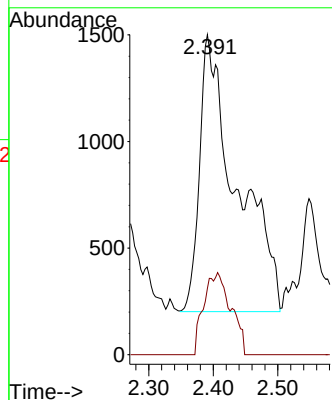
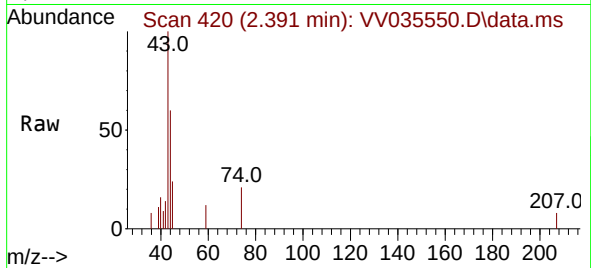




#15
Methyl Acetate
Concen: 1.272 ug/L m
RT: 2.391 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

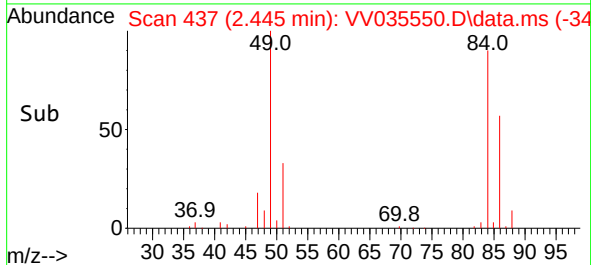
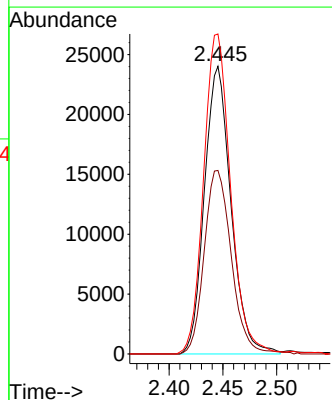
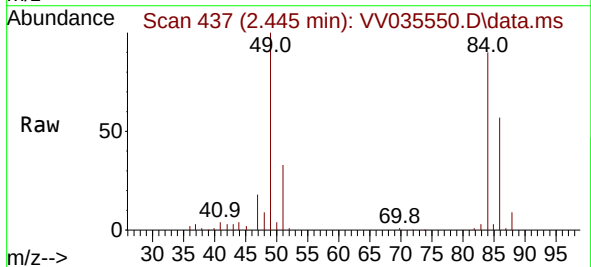
Instrument :
MSVOA_V
ClientSampleId :
MDL04

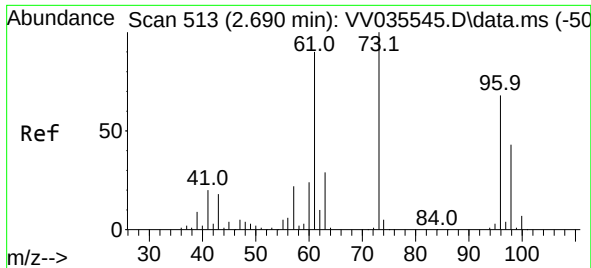
Tgt Ion: 43 Resp: 5172
Ion Ratio Lower Upper
43 100
74 8.8 18.6 27.8#



#16
Methylene chloride
Concen: 4.292 ug/L
RT: 2.445 min Scan# 437
Delta R.T. 0.003 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion: 84 Resp: 41358
Ion Ratio Lower Upper
84 100
86 63.8 43.8 81.3
49 111.3 75.3 139.9

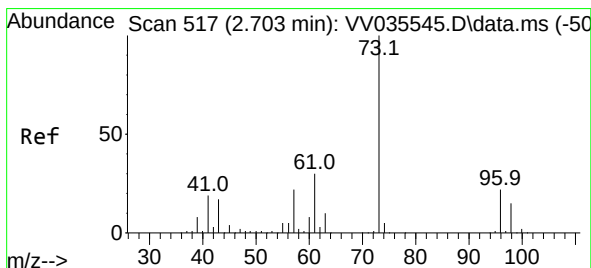
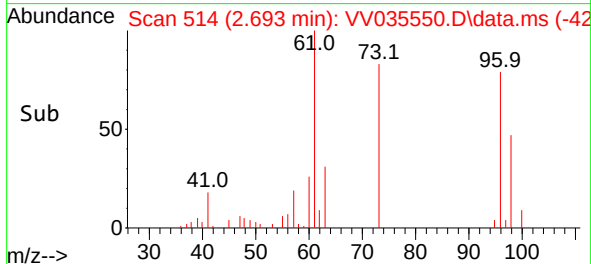
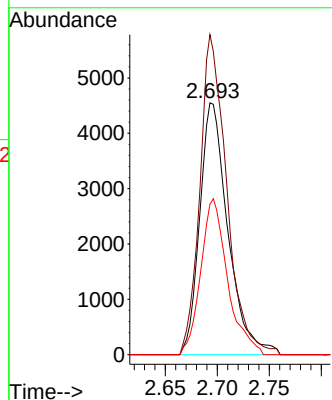
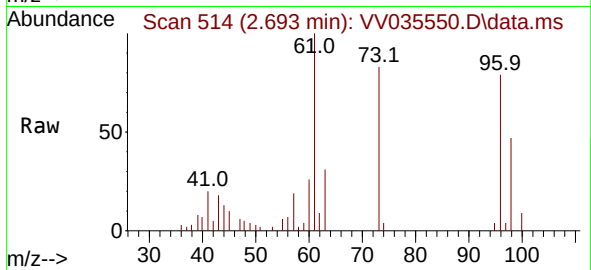




#17
trans-1,2-Dichloroethene
Concen: 1.182 ug/L
RT: 2.693 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

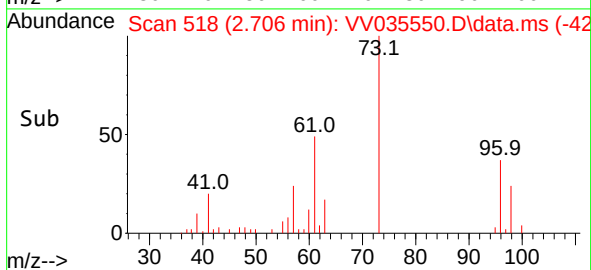
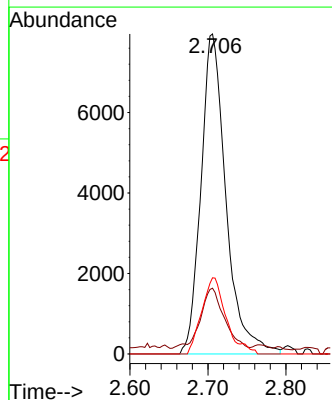
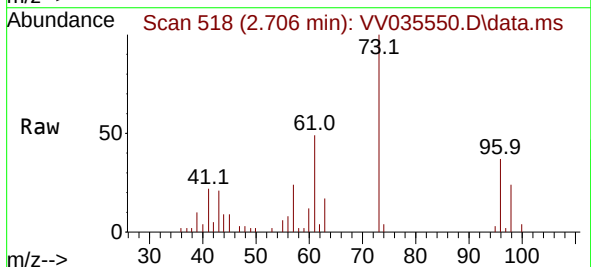
Instrument :
MSVOA_V
ClientSampleId :
MDL04

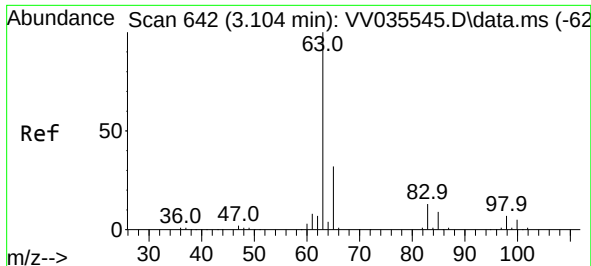
Tgt Ion: 96 Resp: 8600
Ion Ratio Lower Upper
96 100
61 127.0 95.5 177.4
98 59.7 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 1.011 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion: 73 Resp: 17744
Ion Ratio Lower Upper
73 100
43 18.3 13.3 19.9
57 21.9 17.4 26.2





#19

1,1-Dichloroethane

Concen: 1.082 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.010 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

MDL04

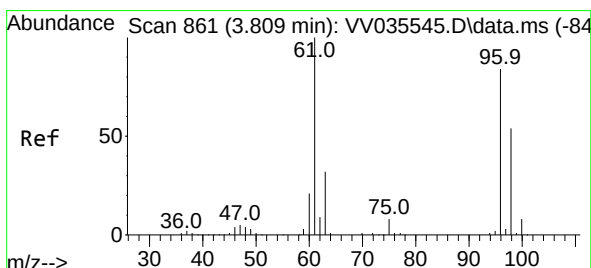
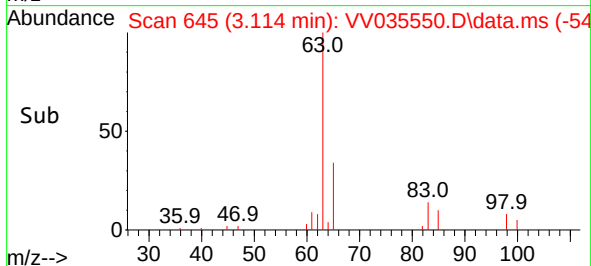
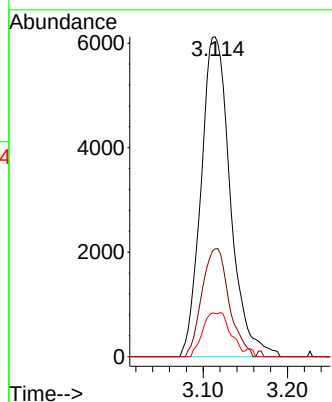
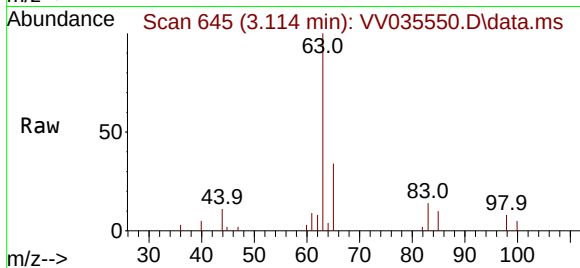
Tgt Ion: 63 Resp: 14763

Ion Ratio Lower Upper

63 100

65 33.7 22.7 42.3

83 13.5 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 1.043 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.013 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

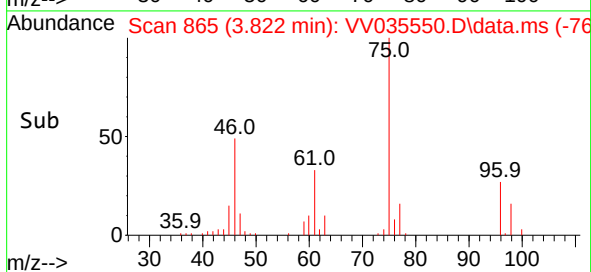
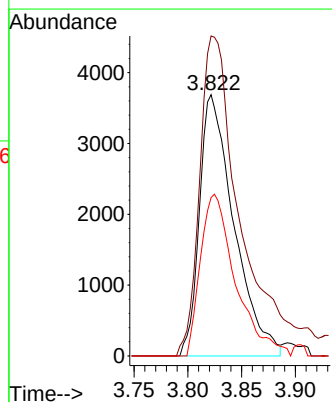
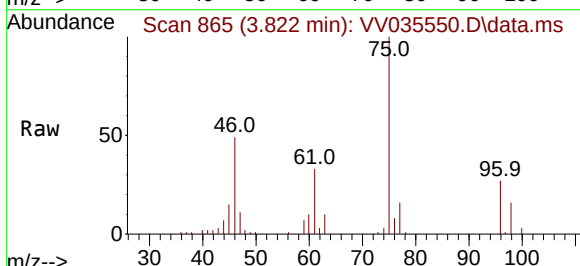
Tgt Ion: 96 Resp: 8227

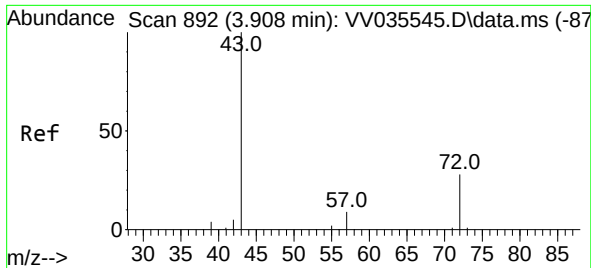
Ion Ratio Lower Upper

96 100

61 122.4 83.9 155.9

98 60.6 44.0 81.8

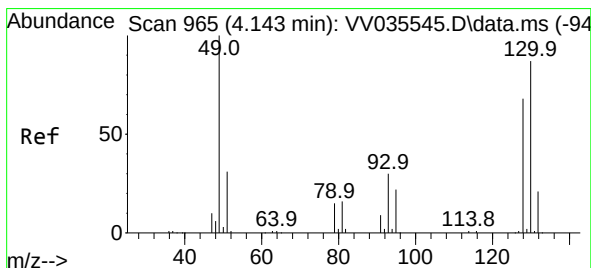
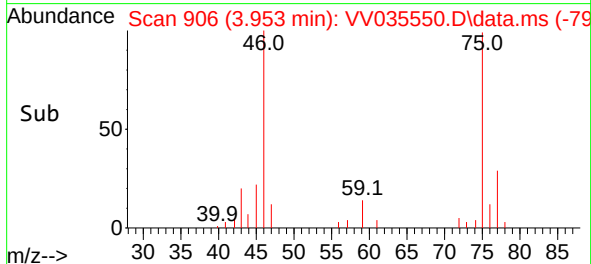
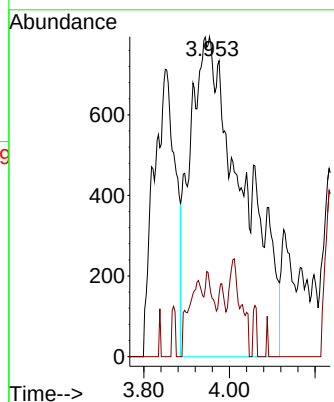
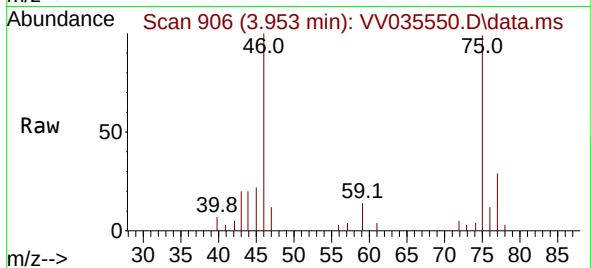




#22
2-Butanone
Concen: 2.737 ug/L m
RT: 3.953 min Scan# 906
Delta R.T. 0.045 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

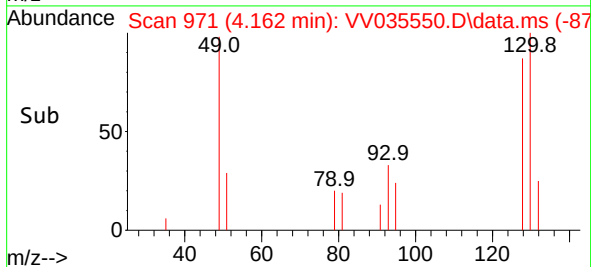
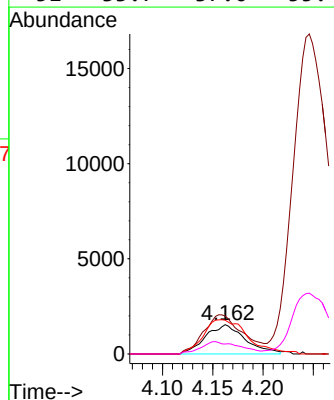
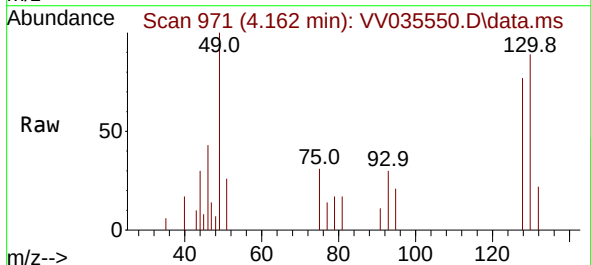
Instrument :
MSVOA_V
ClientSampleId :
MDL04

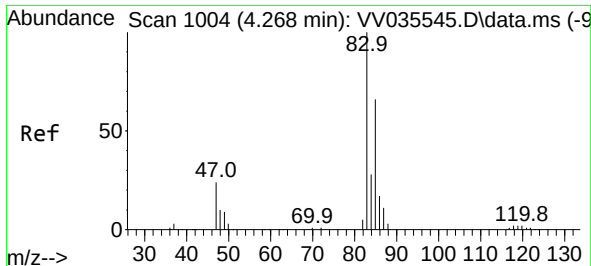
Tgt Ion: 43 Resp: 6819
Ion Ratio Lower Upper
43 100
72 1.0 12.3 36.9#



#23
Bromochloromethane
Concen: 1.107 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.019 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion: 128 Resp: 4222
Ion Ratio Lower Upper
128 100
49 129.7 103.1 191.5
130 115.1 91.8 170.4
51 33.7 37.0 55.4#

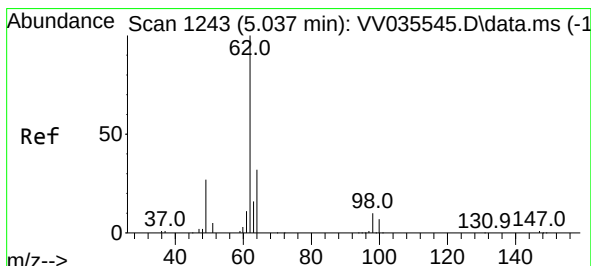
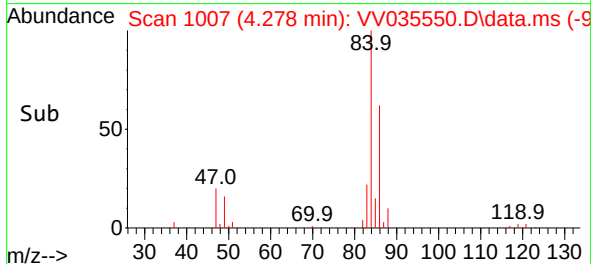
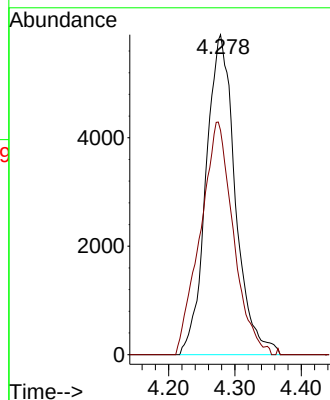
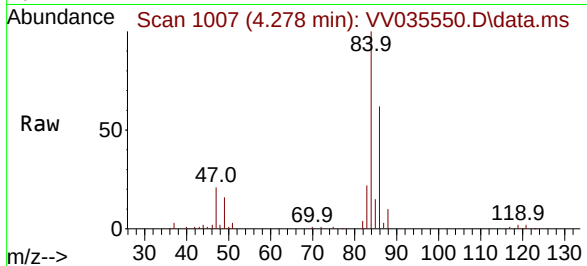




#25
Chloroform
Concen: 1.284 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.010 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

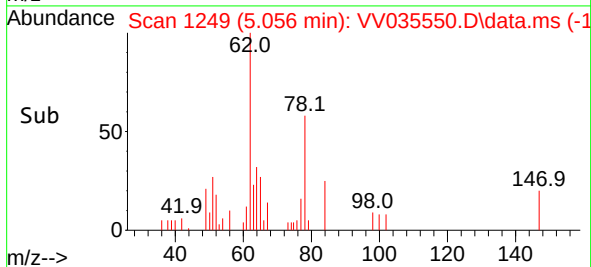
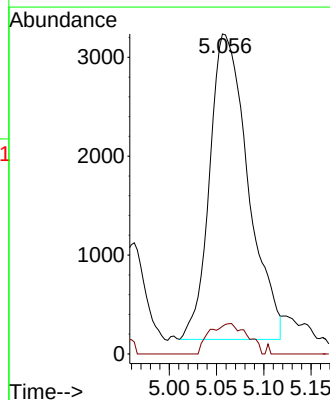
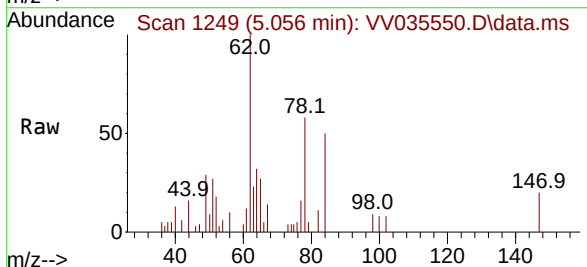
Instrument :
MSVOA_V
ClientSampleId :
MDL04

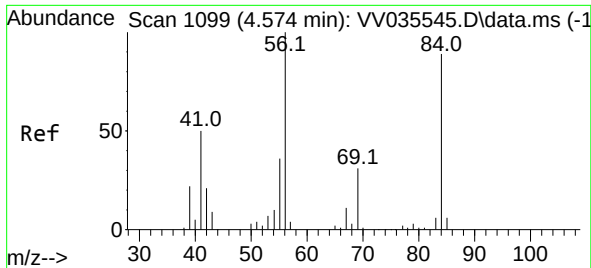
Tgt Ion: 83 Resp: 18088
Ion Ratio Lower Upper
83 100
85 70.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 0.996 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.019 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion: 62 Resp: 8735
Ion Ratio Lower Upper
62 100
98 8.7 8.2 12.2

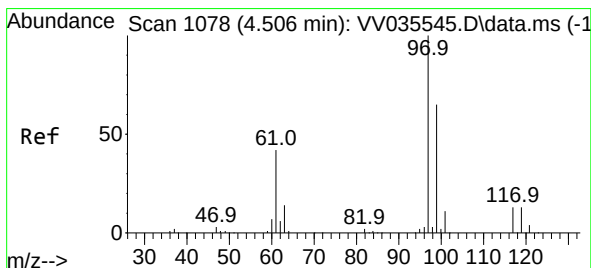
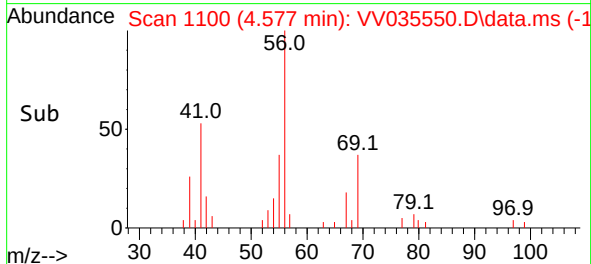
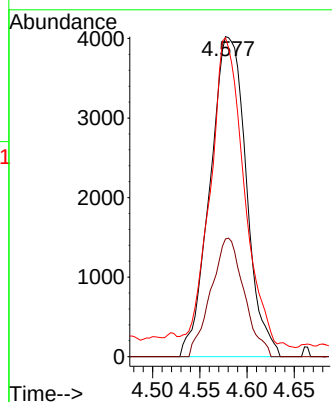
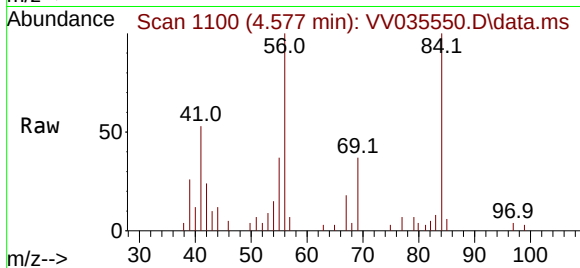




#29
Cyclohexane
Concen: 0.999 ug/L
RT: 4.577 min Scan# 1100
Delta R.T. 0.003 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

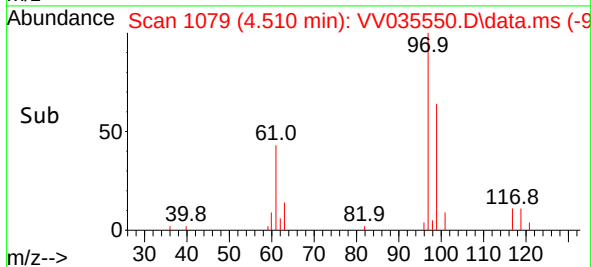
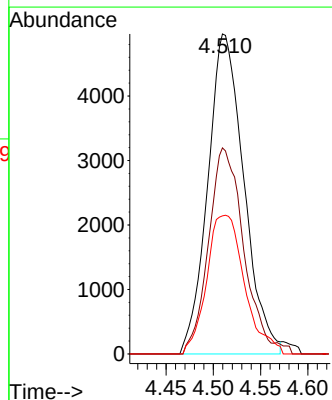
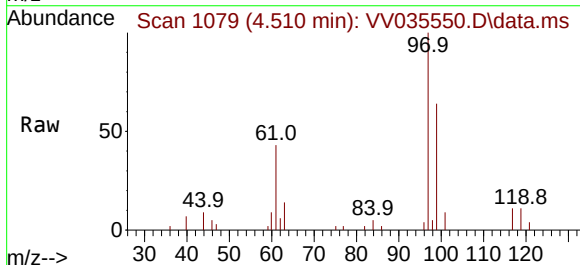
Instrument :
MSVOA_V
ClientSampleId :
MDL04

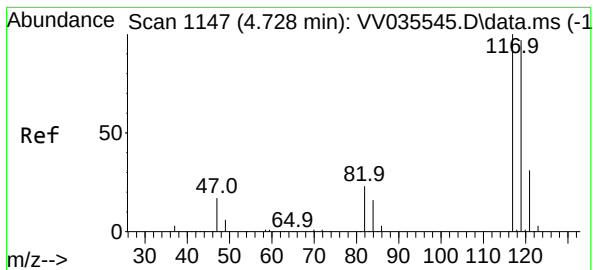
Tgt Ion:	56	Resp:	10694
Ion	Ratio	Lower	Upper
56	100		
69	34.0	25.6	38.4
84	87.2	74.8	112.2



#30
1,1,1-Trichloroethane
Concen: 1.061 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. 0.003 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion:	97	Resp:	13164
Ion	Ratio	Lower	Upper
97	100		
99	62.1	51.7	77.5
61	45.4	33.5	50.3

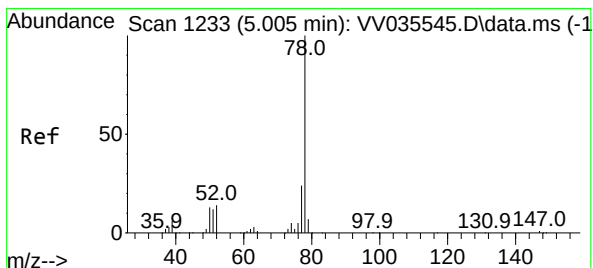
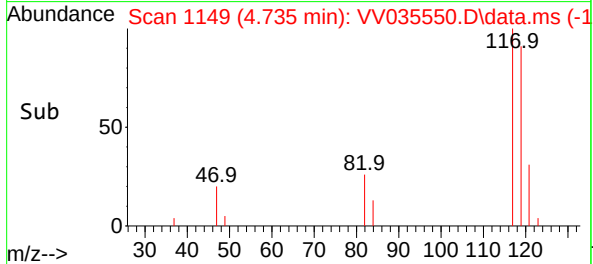
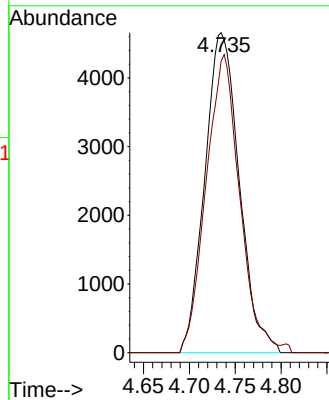
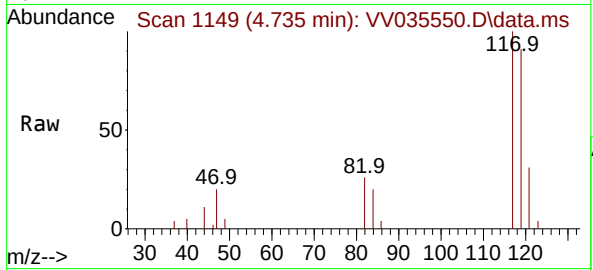




#31
Carbon tetrachloride
Concen: 1.117 ug/L
RT: 4.735 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

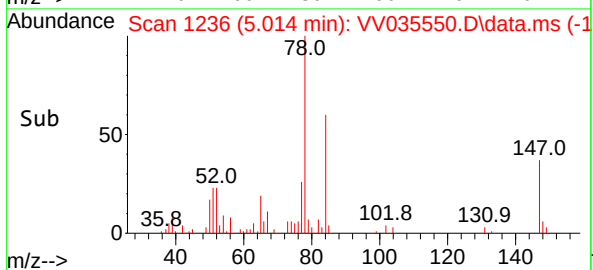
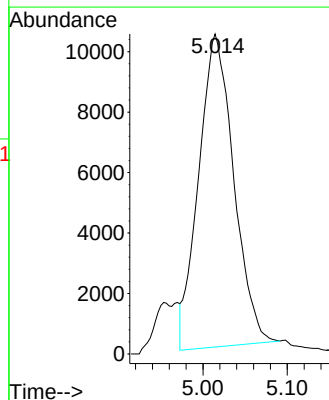
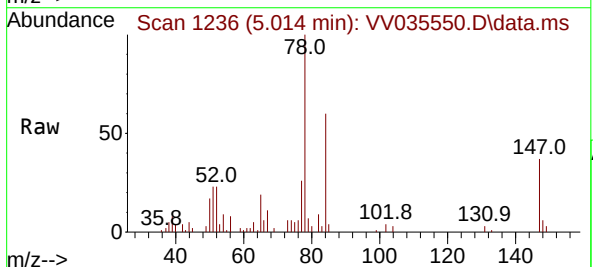
Instrument :
MSVOA_V
ClientSampleId :
MDL04

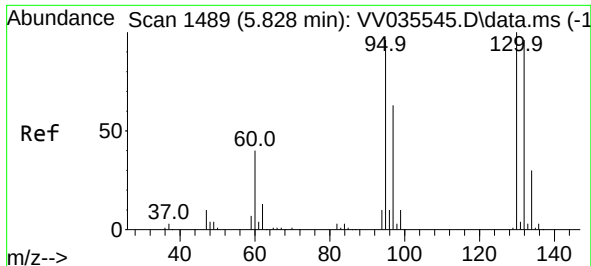
Tgt Ion:117 Resp: 12166
Ion Ratio Lower Upper
117 100
119 90.8 77.3 115.9



#33
Benzene
Concen: 1.008 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion: 78 Resp: 29870





#34

Trichloroethene

Concen: 1.011 ug/L

RT: 5.847 min Scan# 1489

Delta R.T. 0.019 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

MDL04

Tgt Ion: 95 Resp: 8475

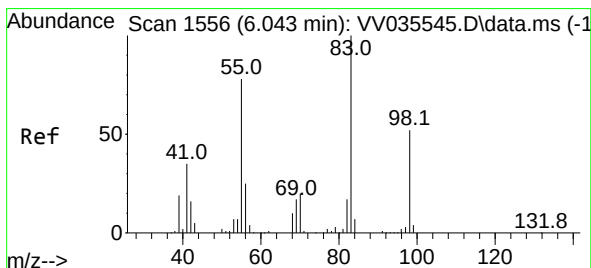
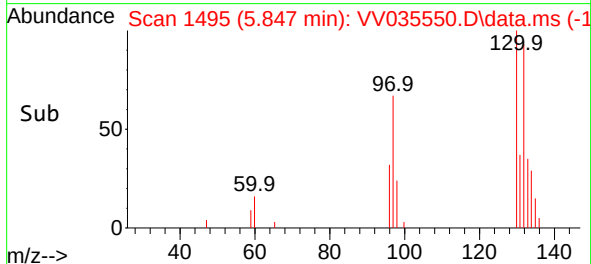
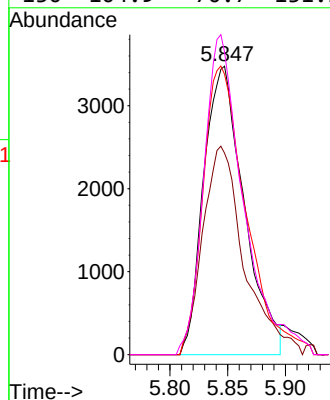
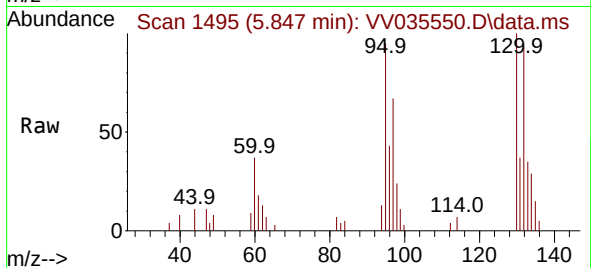
Ion Ratio Lower Upper

95 100

97 69.9 43.8 81.4

132 97.2 67.1 124.7

130 104.9 70.7 131.3



#35

Methylcyclohexane

Concen: 1.075 ug/L m

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

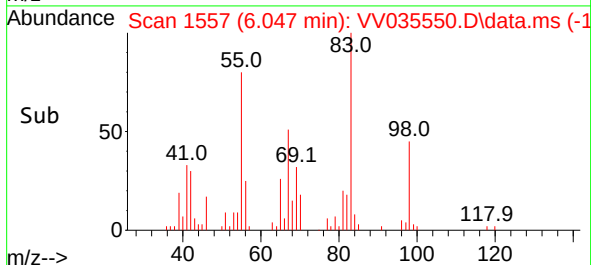
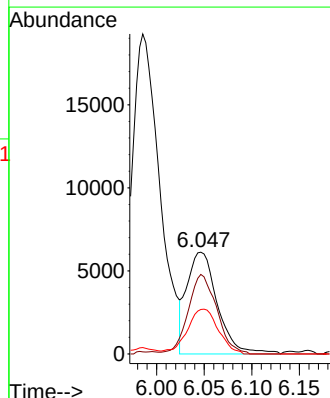
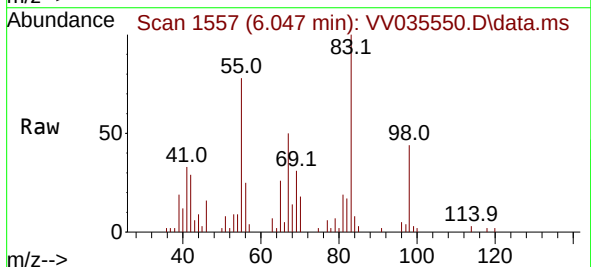
Tgt Ion: 83 Resp: 13672

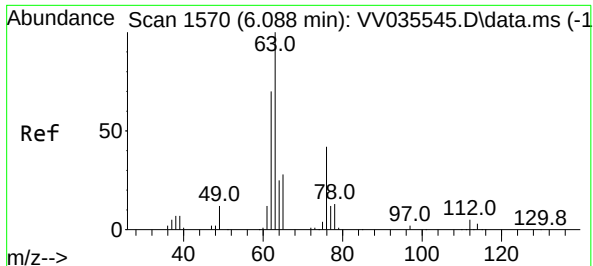
Ion Ratio Lower Upper

83 100

55 73.1 57.5 86.3

98 43.9 38.6 58.0





#37

1,2-Dichloropropane

Concen: 1.117 ug/L m

RT: 6.101 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

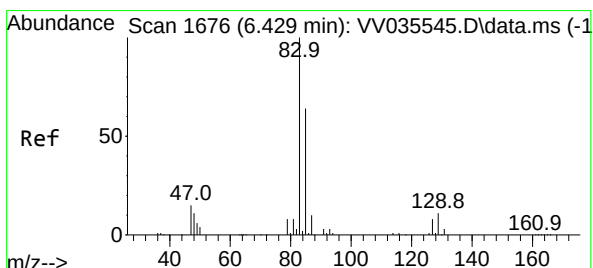
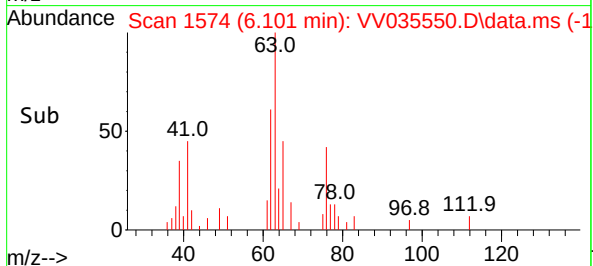
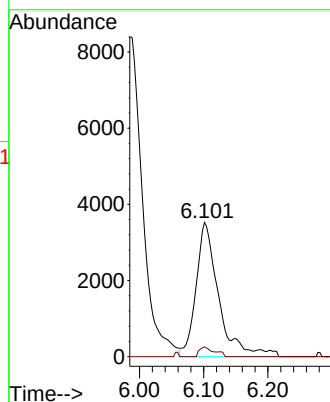
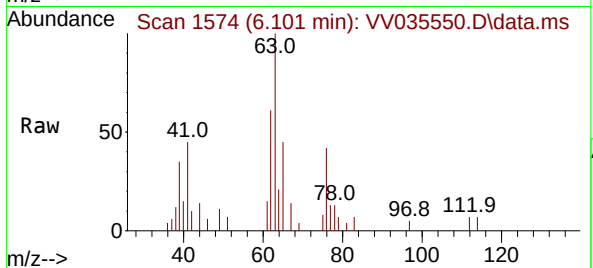
MDL04

Tgt Ion: 63 Resp: 8629

Ion Ratio Lower Upper

63 100

112 4.0 3.8 5.6



#38

Bromodichloromethane

Concen: 1.024 ug/L m

RT: 6.442 min Scan# 1680

Delta R.T. 0.013 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

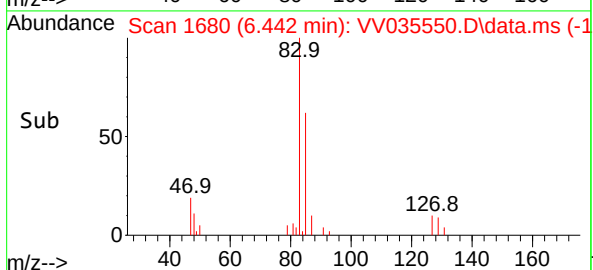
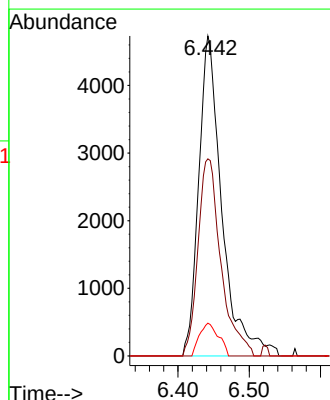
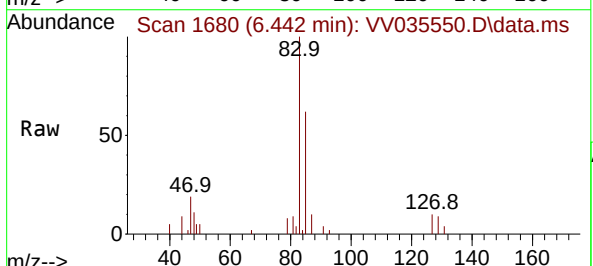
Tgt Ion: 83 Resp: 10724

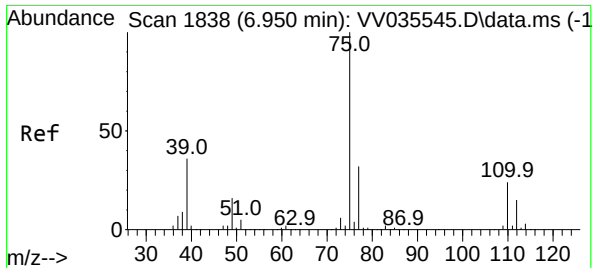
Ion Ratio Lower Upper

83 100

85 61.6 45.1 83.9

127 10.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 0.973 ug/L

RT: 6.969 min Scan# 11

Delta R.T. 0.019 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

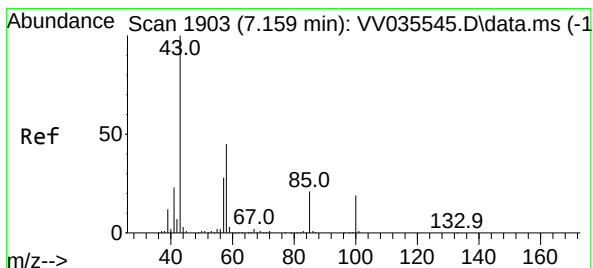
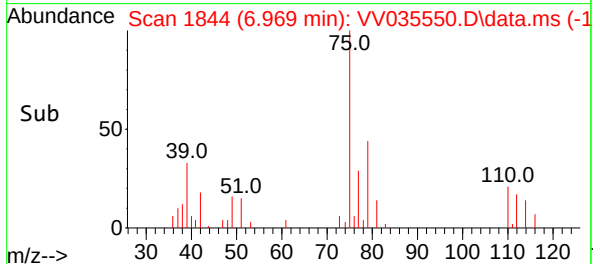
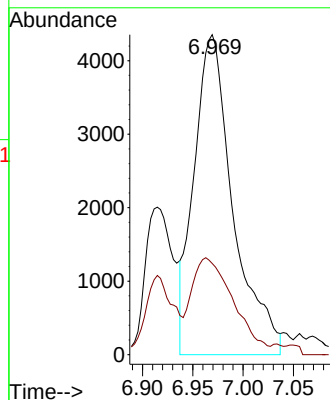
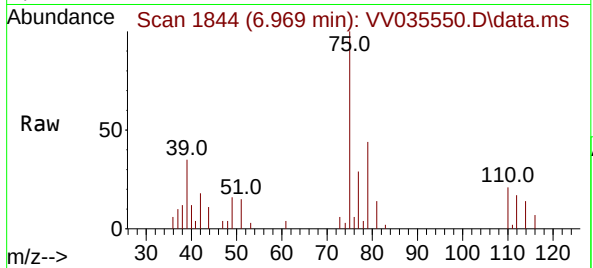
MDL04

Tgt Ion: 75 Resp: 11760

Ion Ratio Lower Upper

75 100

77 28.5 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 2.419 ug/L m

RT: 7.175 min Scan# 1908

Delta R.T. 0.016 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

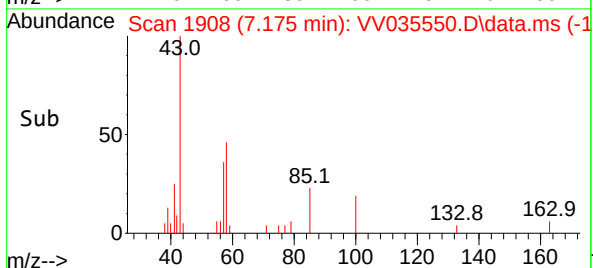
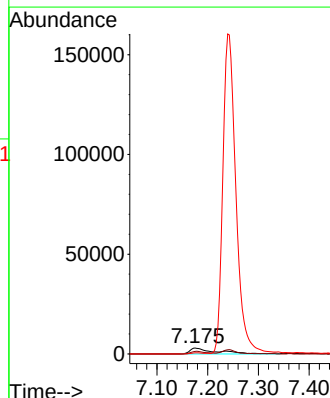
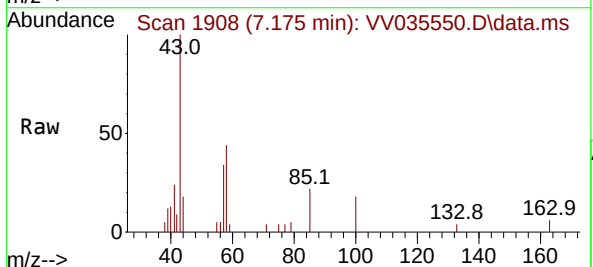
Tgt Ion: 43 Resp: 11197

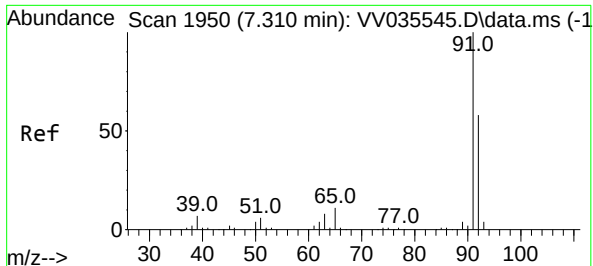
Ion Ratio Lower Upper

43 100

58 24.5 34.8 52.2#

100 7.0 13.9 20.9#





#42

Toluene

Concen: 1.034 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

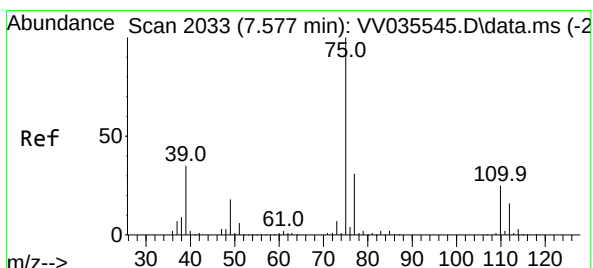
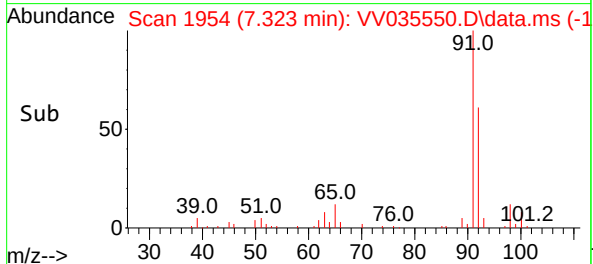
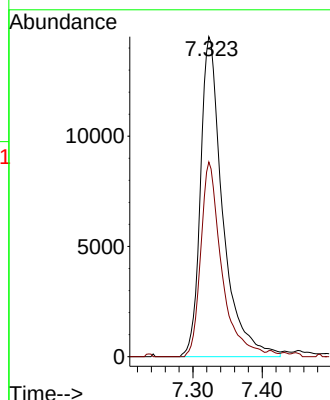
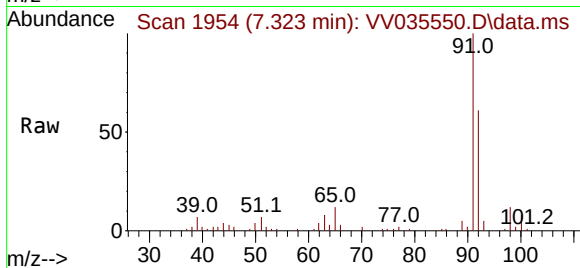
MDL04

Tgt Ion: 91 Resp: 32404

Ion Ratio Lower Upper

91 100

92 60.8 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 1.101 ug/L m

RT: 7.593 min Scan# 2038

Delta R.T. 0.016 min

Lab File: VV035550.D

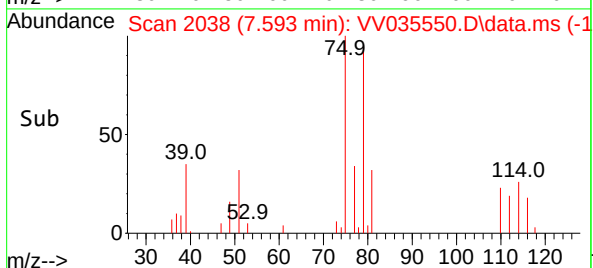
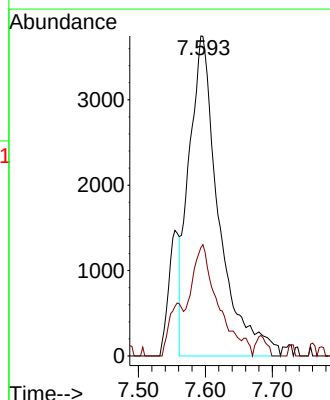
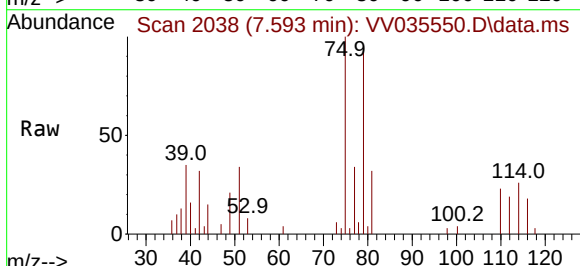
Acq: 07 May 2024 13:53

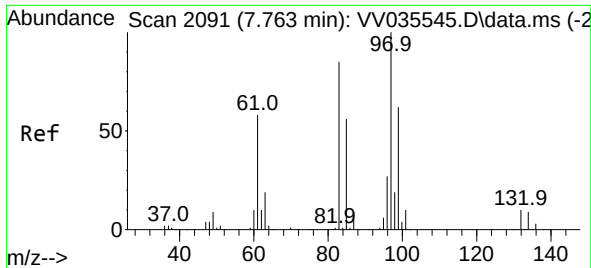
Tgt Ion: 75 Resp: 11642

Ion Ratio Lower Upper

75 100

77 33.8 22.4 41.6

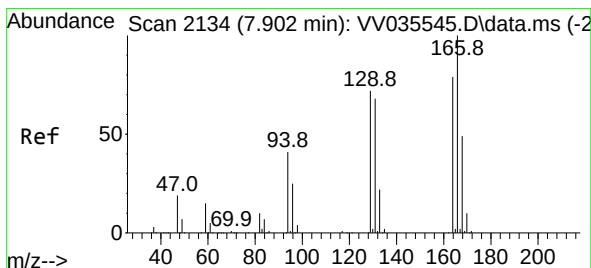
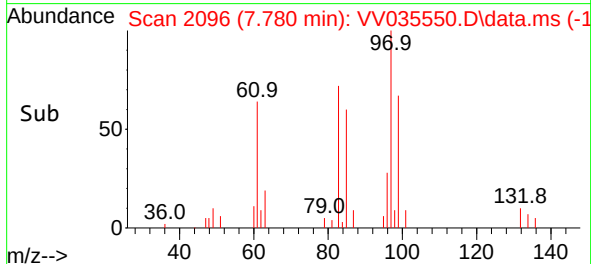
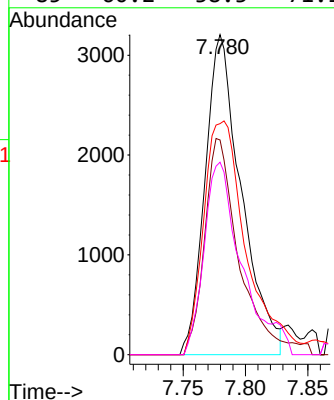
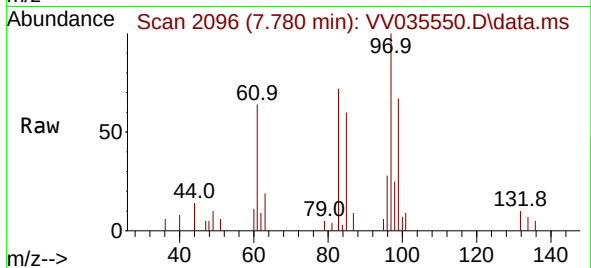




#45
1,1,2-Trichloroethane
Concen: 0.989 ug/L
RT: 7.780 min Scan# 2091
Delta R.T. 0.016 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

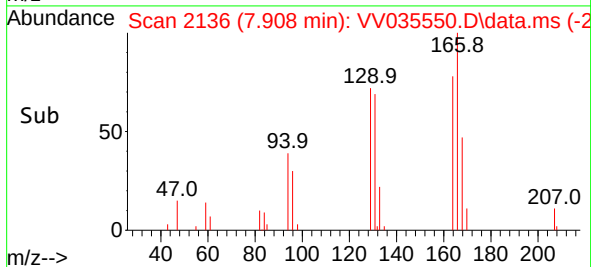
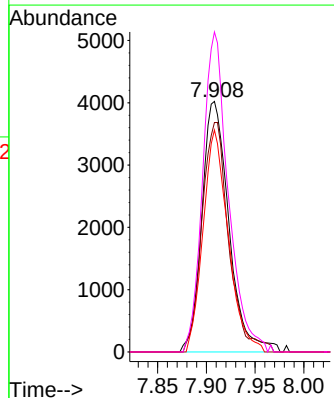
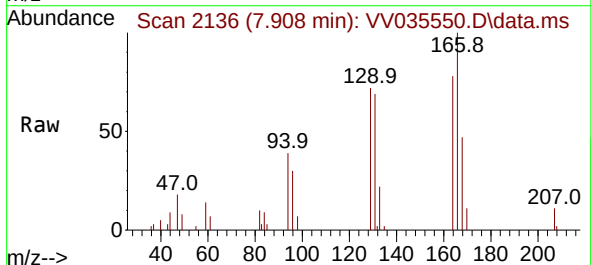
Instrument :
MSVOA_V
ClientSampleId :
MDL04

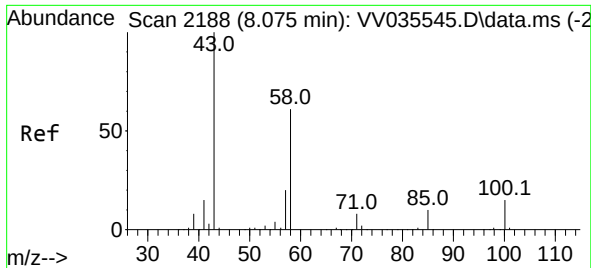
Tgt Ion:	97	Resp:	6492
Ion	Ratio	Lower	Upper
97	100		
99	67.1	43.3	80.3
83	72.2	60.3	111.9
85	60.2	38.3	71.1



#46
Tetrachloroethene
Concen: 1.141 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion:	164	Resp:	7770
Ion	Ratio	Lower	Upper
164	100		
129	91.6	63.4	117.8
131	88.6	61.0	113.4
166	127.7	88.8	164.8

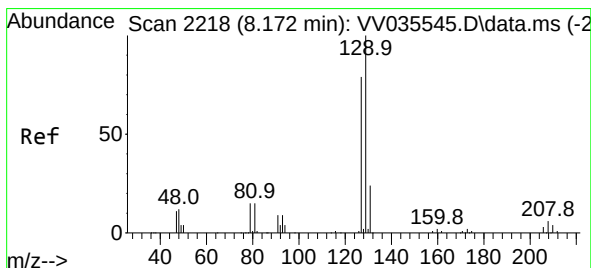
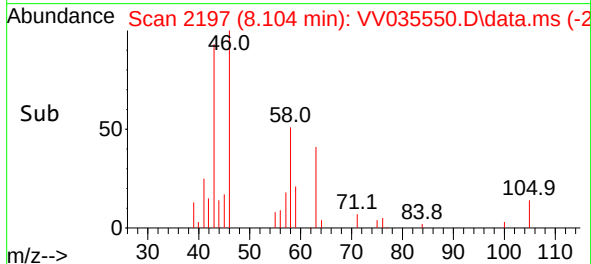
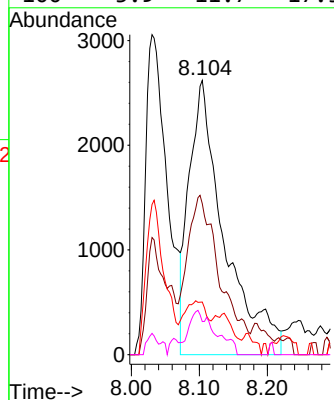
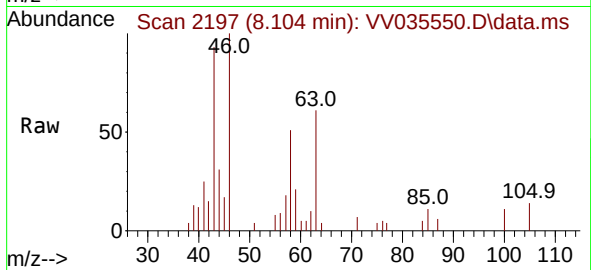




#48
2-Hexanone
Concen: 2.718 ug/L m
RT: 8.104 min Scan# 2188
Delta R.T. 0.029 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

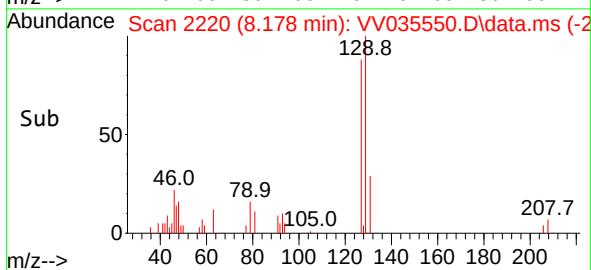
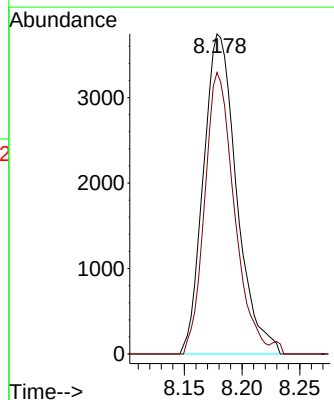
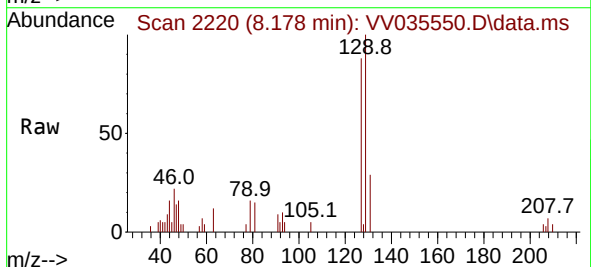
Instrument :
MSVOA_V
ClientSampleId :
MDL04

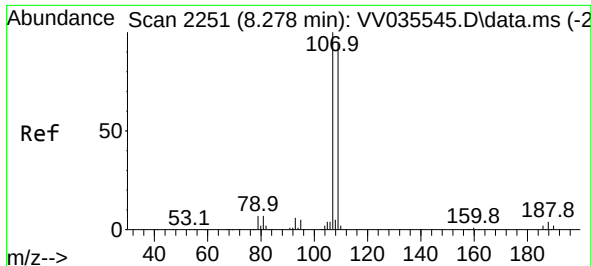
Tgt Ion: 43 Resp: 9434
Ion Ratio Lower Upper
43 100
58 18.0 48.8 73.2#
57 2.9 16.9 25.3#
100 3.9 11.7 17.5#



#49
Dibromochloromethane
Concen: 1.010 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.006 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion: 129 Resp: 7481
Ion Ratio Lower Upper
129 100
127 88.0 53.8 99.8





#50

1,2-Dibromoethane

Concen: 1.065 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

MDL04

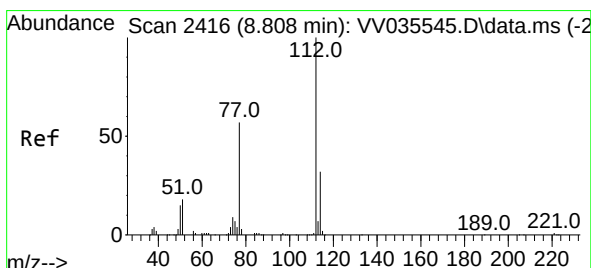
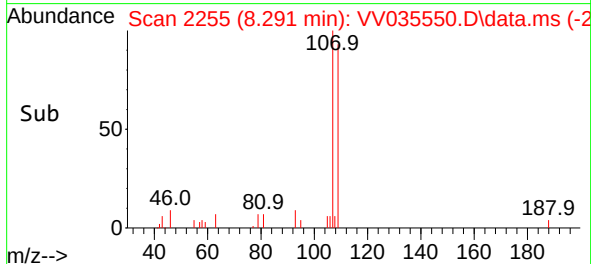
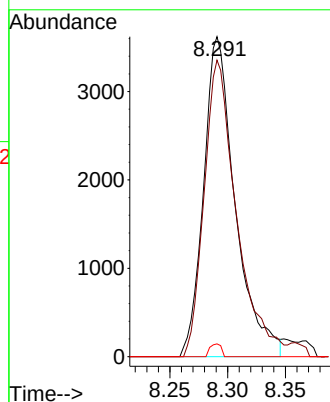
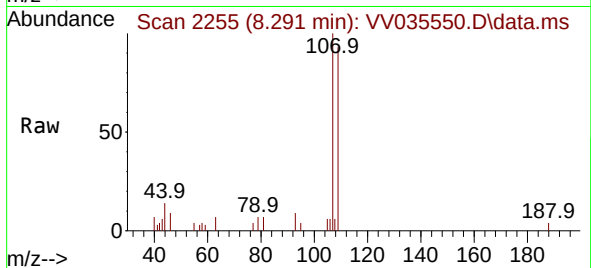
Tgt Ion:107 Resp: 6890

Ion Ratio Lower Upper

107 100

109 87.4 65.4 121.4

188 3.8 2.9 4.3



#51

Chlorobenzene

Concen: 1.062 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.006 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

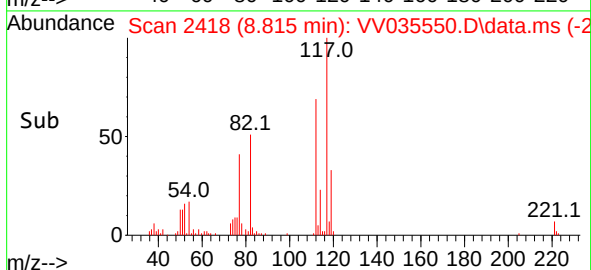
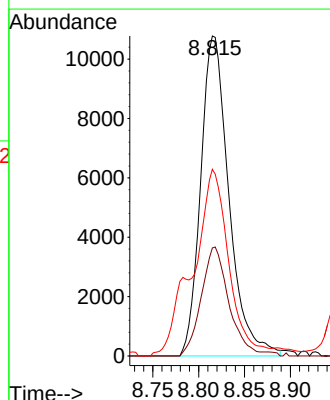
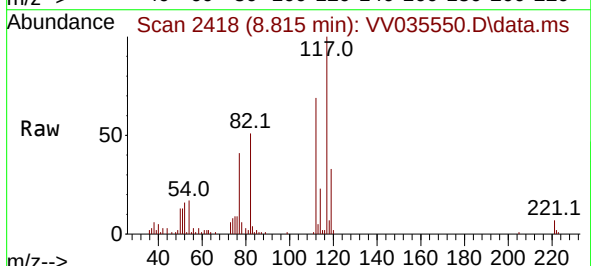
Tgt Ion:112 Resp: 23096

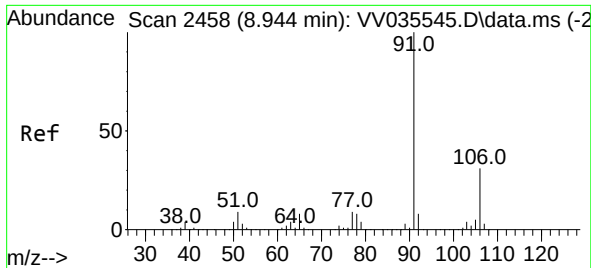
Ion Ratio Lower Upper

112 100

114 33.8 22.5 41.7

77 58.4 46.6 69.8





#52

Ethylbenzene

Concen: 0.893 ug/L

RT: 8.950 min Scan# 24

Delta R.T. 0.006 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

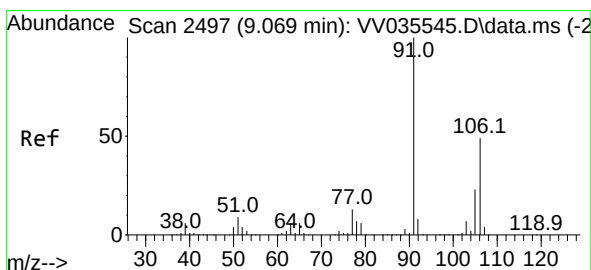
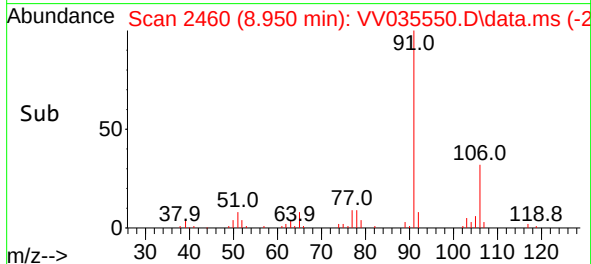
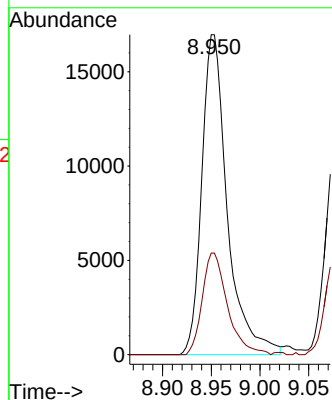
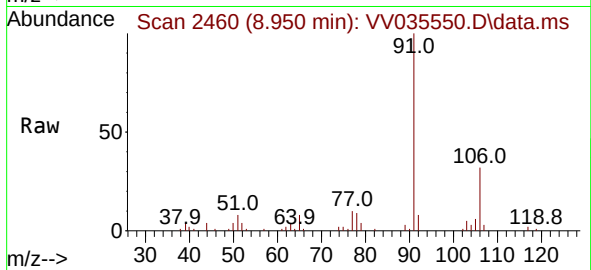
MDL04

Tgt Ion: 91 Resp: 30923

Ion Ratio Lower Upper

91 100

106 31.8 21.7 40.3



#53

m,p-Xylene

Concen: 0.861 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.010 min

Lab File: VV035550.D

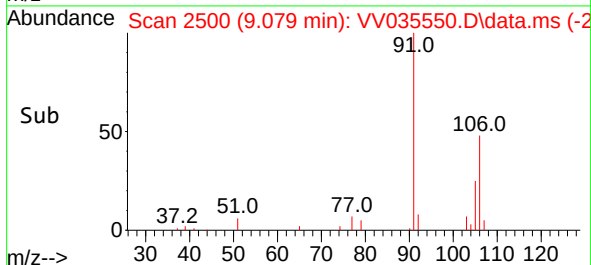
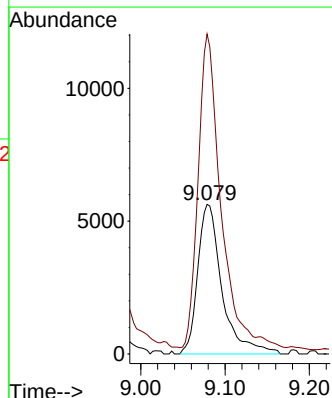
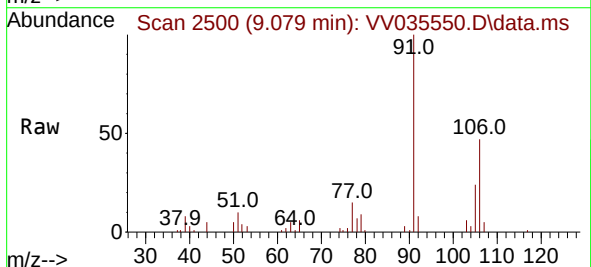
Acq: 07 May 2024 13:53

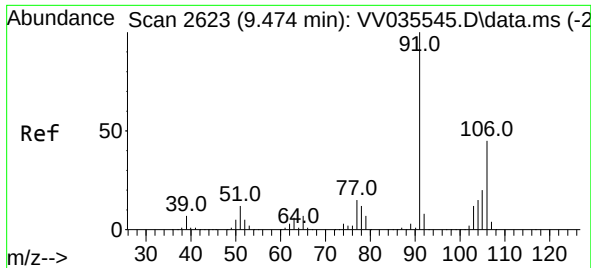
Tgt Ion:106 Resp: 11302

Ion Ratio Lower Upper

106 100

91 214.0 142.7 264.9

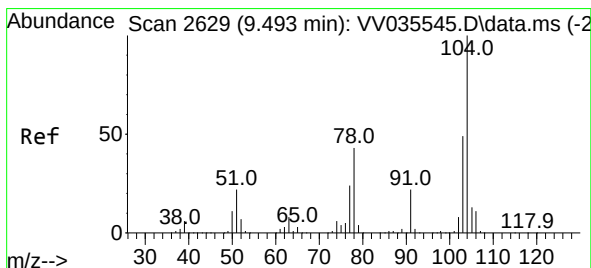
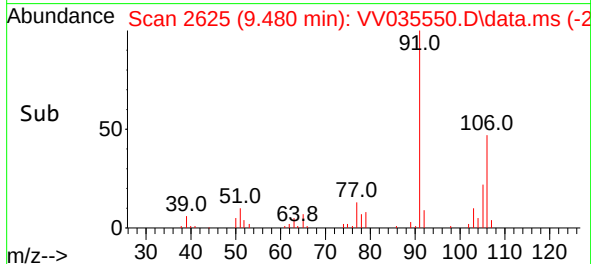
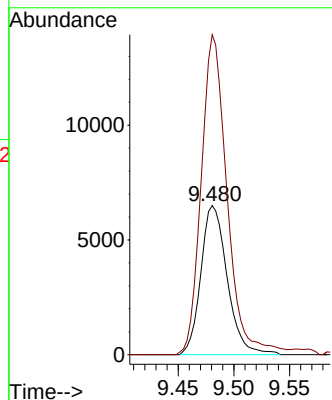
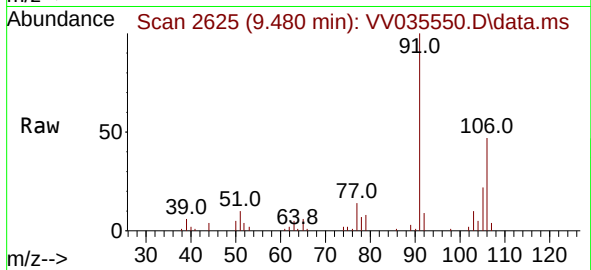




#54
o-Xylene
Concen: 0.860 ug/L
RT: 9.480 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

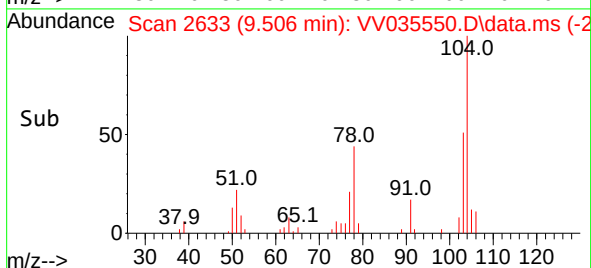
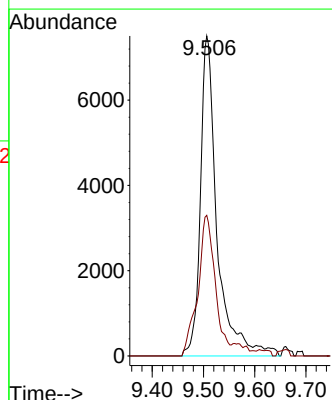
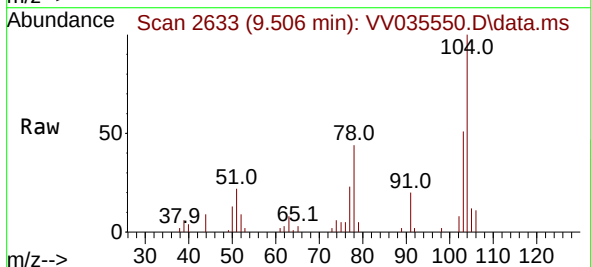
Instrument :
MSVOA_V
ClientSampleId :
MDL04

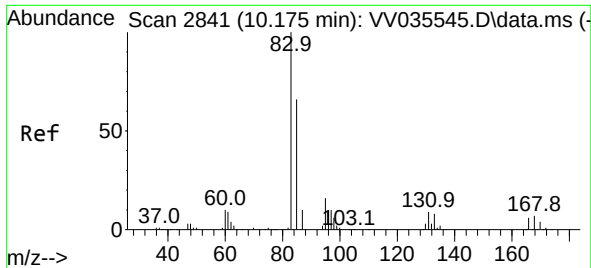
Tgt Ion:106 Resp: 10704
Ion Ratio Lower Upper
106 100
91 214.6 150.9 280.3



#55
Styrene
Concen: 0.781 ug/L m
RT: 9.506 min Scan# 2633
Delta R.T. 0.013 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion:104 Resp: 16950
Ion Ratio Lower Upper
104 100
78 43.9 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 1.151 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

MDL04

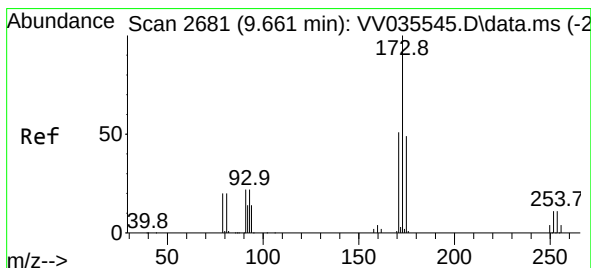
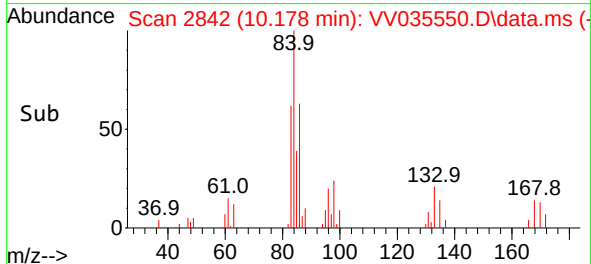
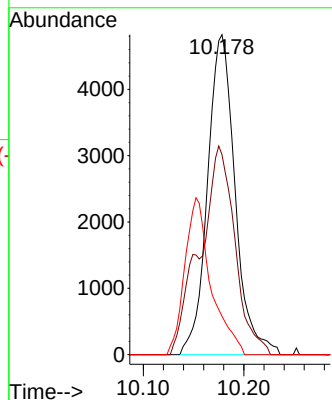
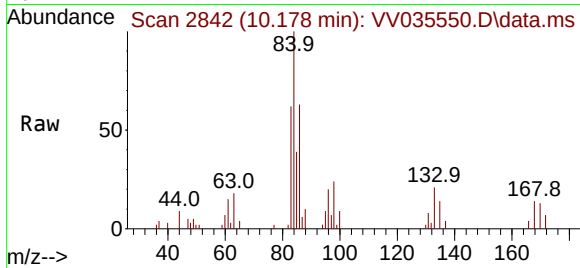
Tgt Ion: 83 Resp: 9207

Ion Ratio Lower Upper

83 100

85 62.5 44.7 83.1

131 12.1 8.0 12.0#



#59

Bromoform

Concen: 1.012 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.010 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

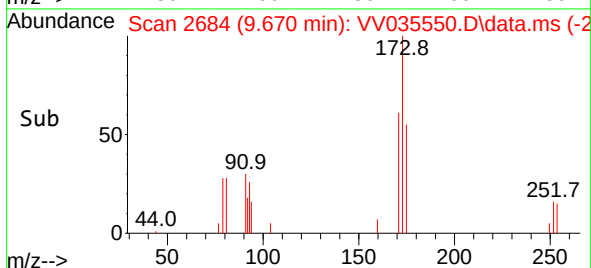
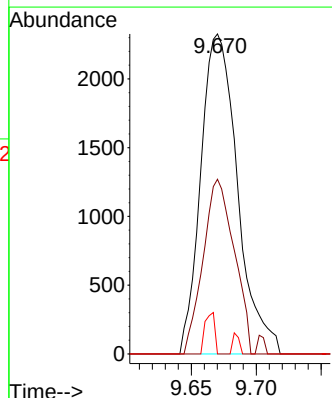
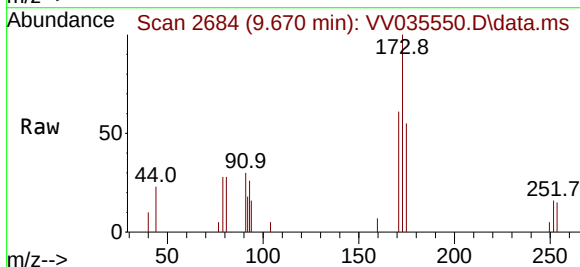
Tgt Ion: 173 Resp: 4582

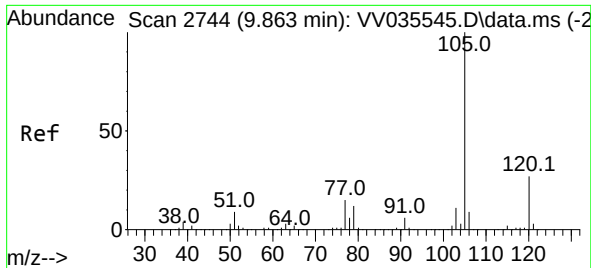
Ion Ratio Lower Upper

173 100

175 46.1 38.7 58.1

254 3.4 8.3 12.5#

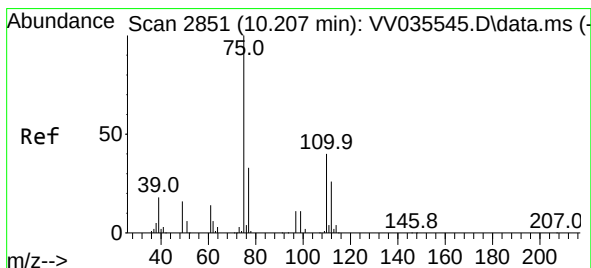
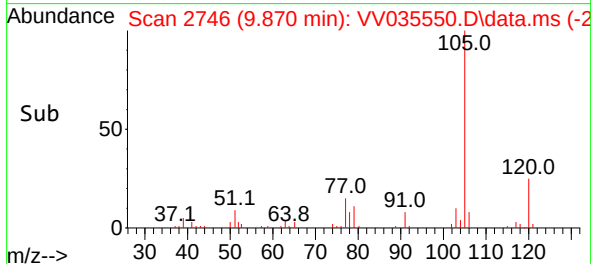
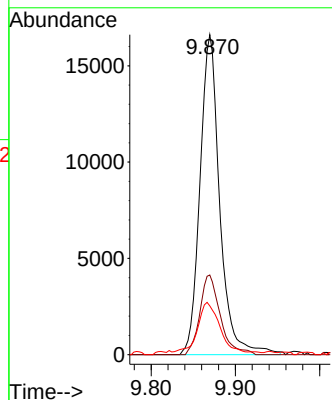
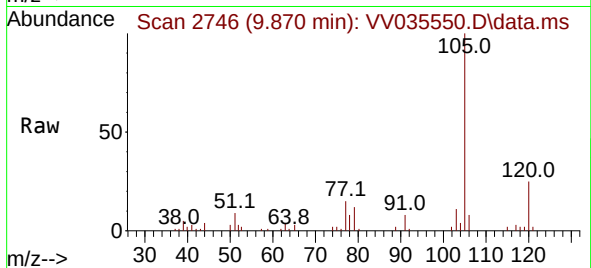




#60
Isopropylbenzene
Concen: 0.885 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

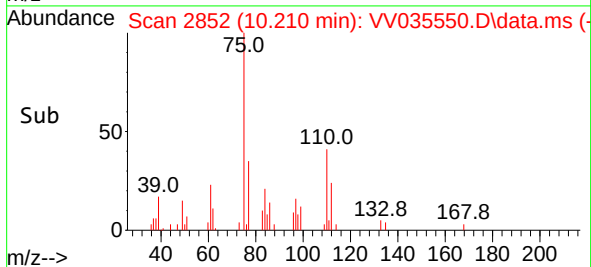
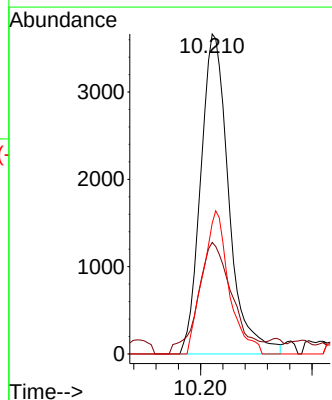
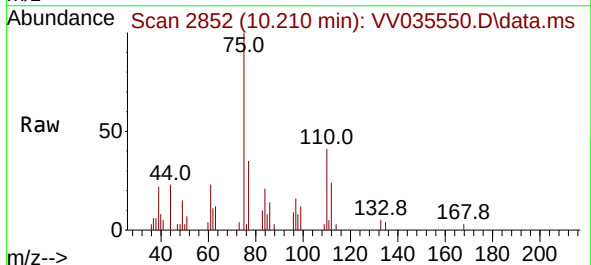
Instrument :
MSVOA_V
ClientSampleId :
MDL04

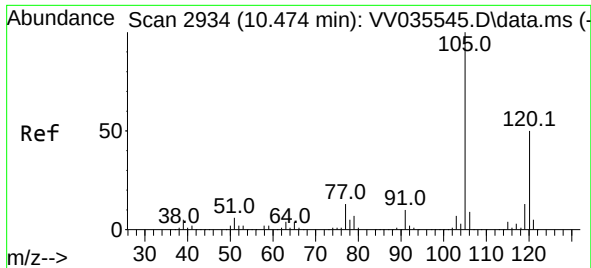
Tgt Ion:105 Resp: 27149
Ion Ratio Lower Upper
105 100
120 25.7 21.3 31.9
77 16.8 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 1.190 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion: 75 Resp: 6423
Ion Ratio Lower Upper
75 100
77 42.4 25.7 38.5#
110 41.7 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 0.783 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

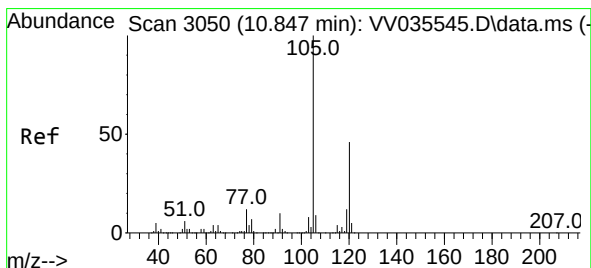
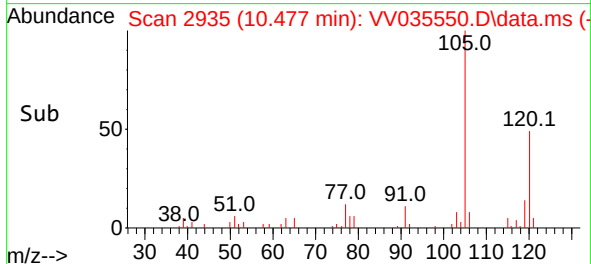
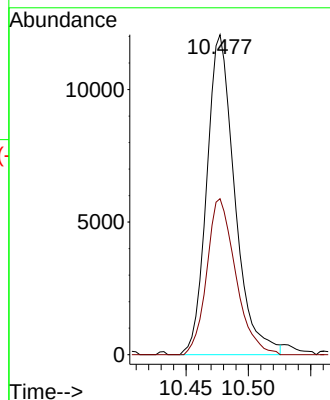
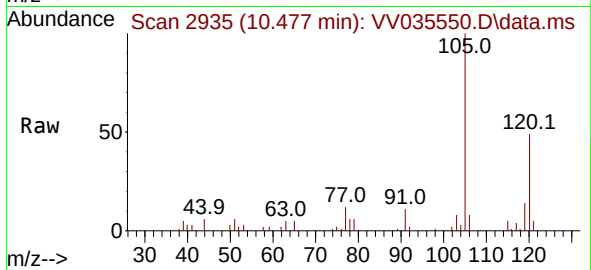
MDL04

Tgt Ion:105 Resp: 18852

Ion Ratio Lower Upper

105 100

120 50.2 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 0.825 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VV035550.D

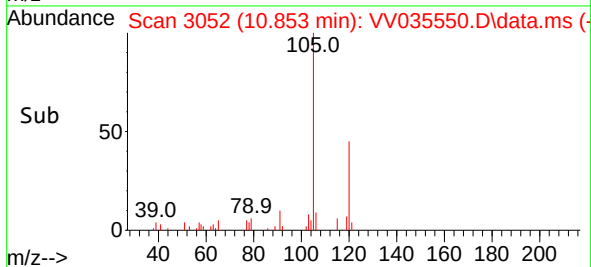
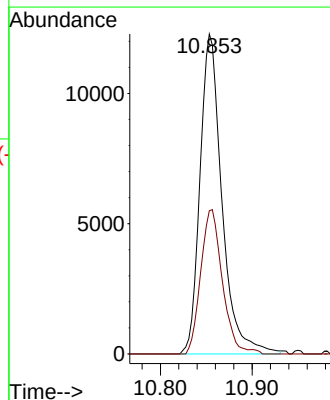
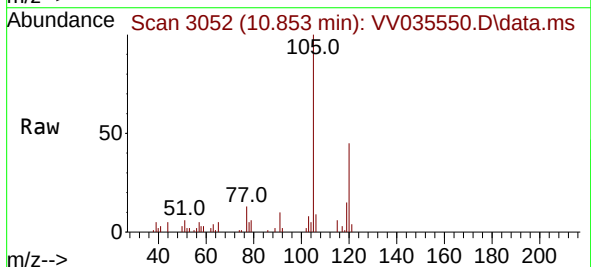
Acq: 07 May 2024 13:53

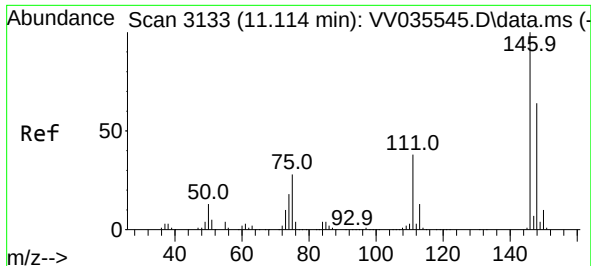
Tgt Ion:105 Resp: 20405

Ion Ratio Lower Upper

105 100

120 44.1 36.6 55.0

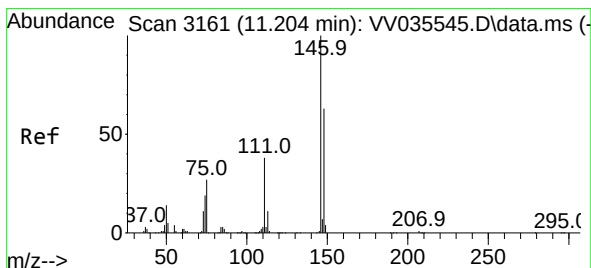
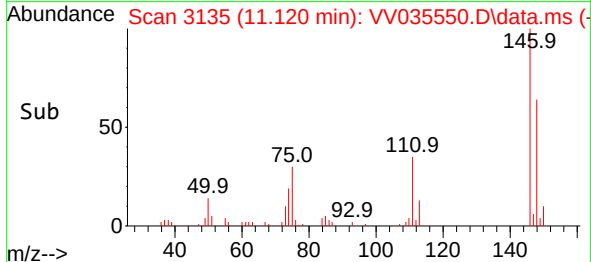
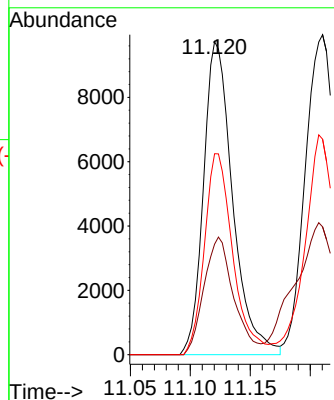
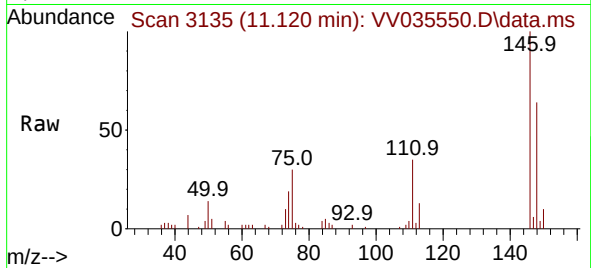




#64
1,3-Dichlorobenzene
Concen: 1.022 ug/L
RT: 11.120 min Scan# 3133
Delta R.T. 0.006 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

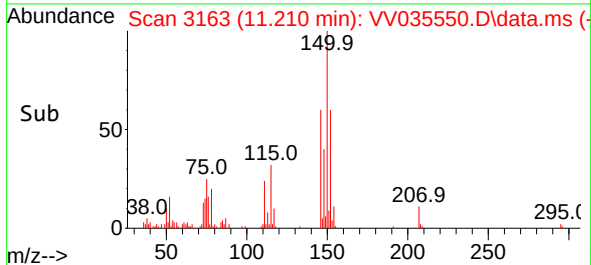
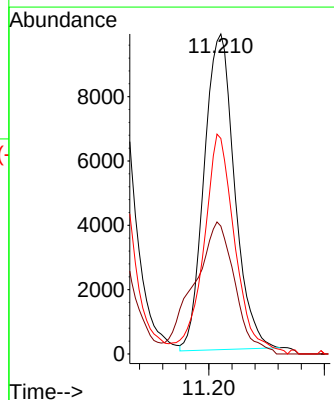
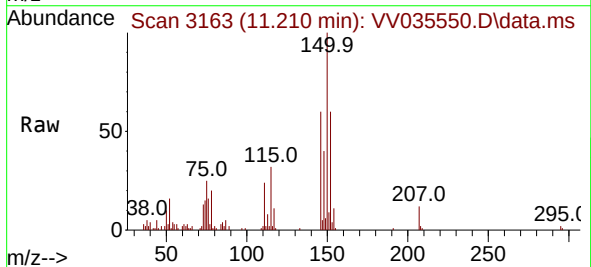
Instrument :
MSVOA_V
ClientSampleId :
MDL04

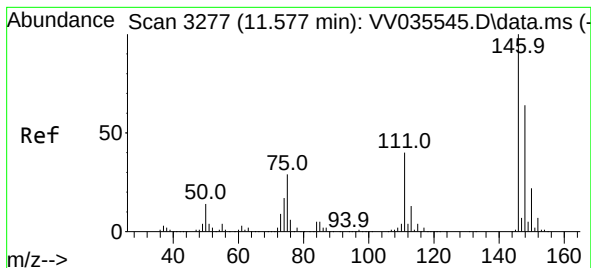
Tgt Ion:146 Resp: 16458
Ion Ratio Lower Upper
146 100
111 35.3 27.0 50.2
148 64.2 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 1.078 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.006 min
Lab File: VV035550.D
Acq: 07 May 2024 13:53

Tgt Ion:146 Resp: 17958
Ion Ratio Lower Upper
146 100
111 40.0 26.2 48.6
148 67.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 1.145 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

MDL04

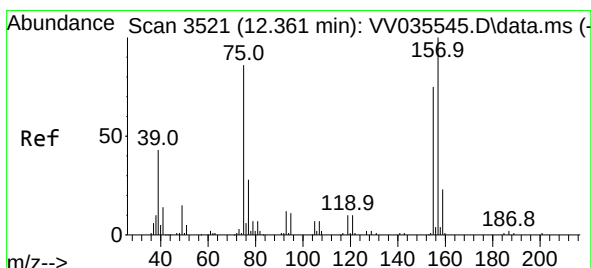
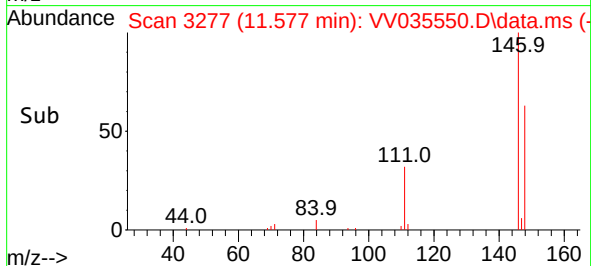
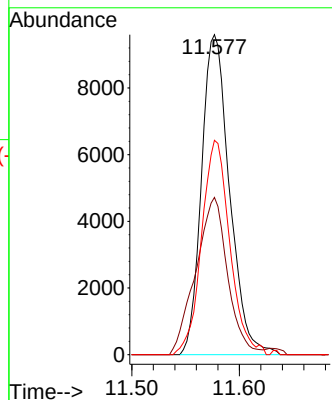
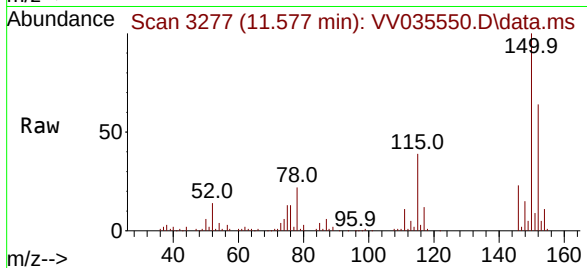
Tgt Ion:146 Resp: 17354

Ion Ratio Lower Upper

146 100

111 49.2 32.6 48.8#

148 67.0 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 1.079 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.006 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

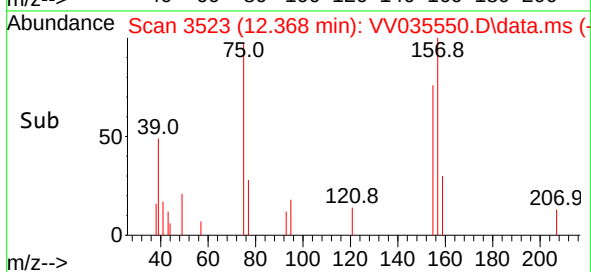
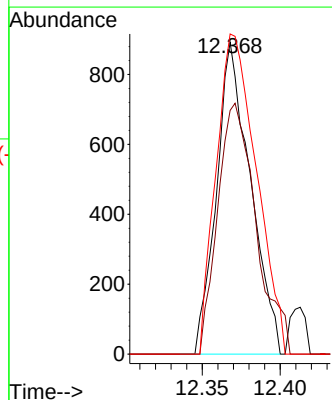
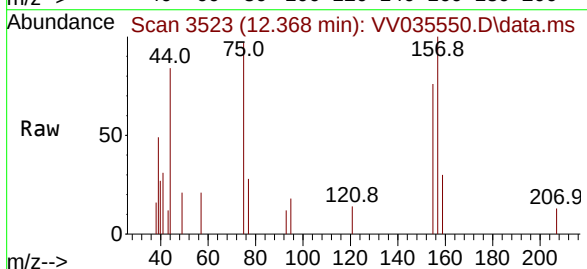
Tgt Ion: 75 Resp: 1350

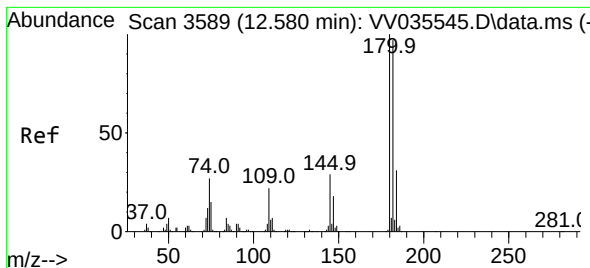
Ion Ratio Lower Upper

75 100

155 78.1 69.8 104.6

157 102.7 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 0.996 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.006 min

Lab File: VV035550.D

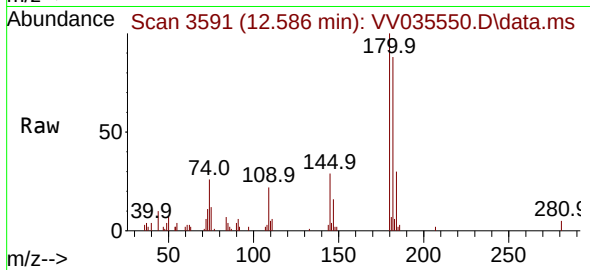
Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

MDL04



Tgt Ion:180 Resp: 12535

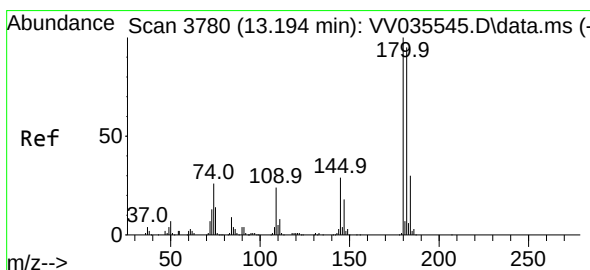
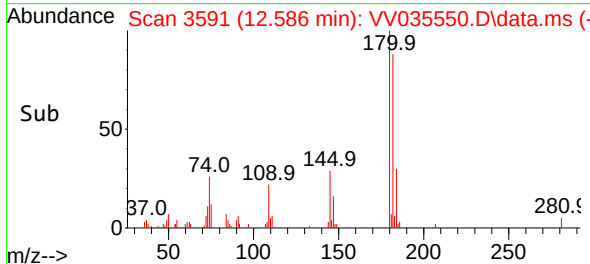
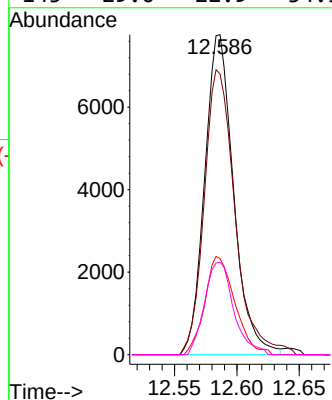
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.2

184 31.5 24.1 36.1

145 29.0 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 0.977 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

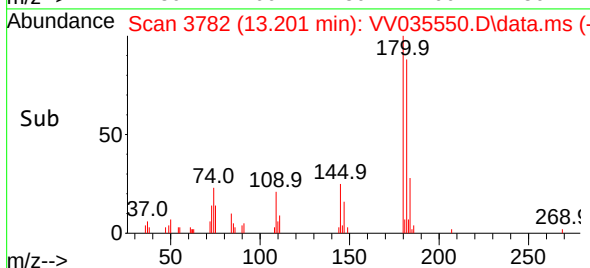
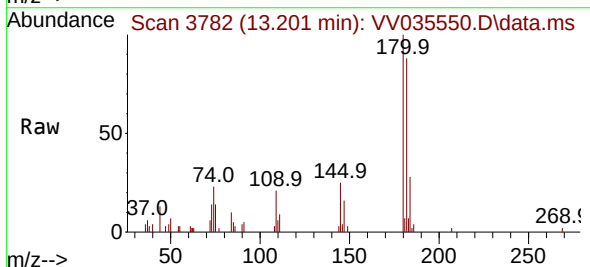
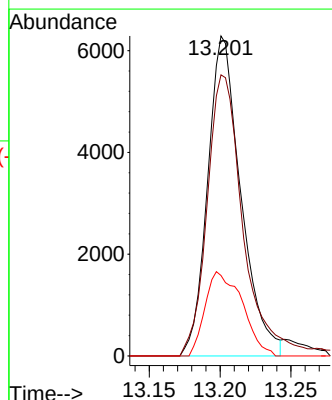
Tgt Ion:180 Resp: 10266

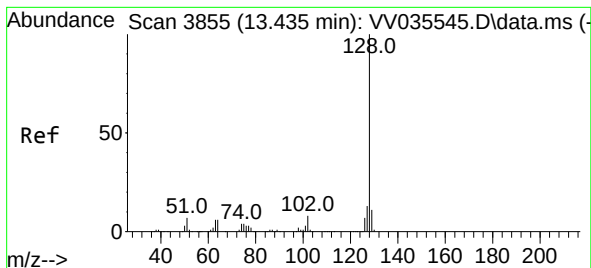
Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

145 29.4 23.2 34.8





#71

Naphthalene

Concen: 0.919 ug/L

RT: 13.445 min Scan# 3855

Delta R.T. 0.010 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Instrument :

MSVOA_V

ClientSampleId :

MDL04

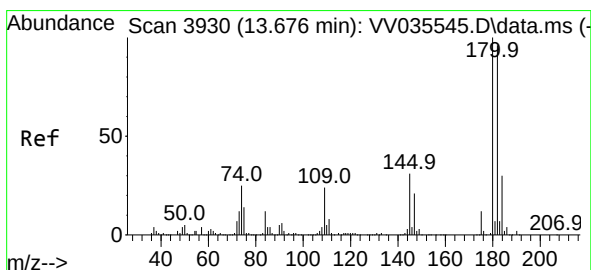
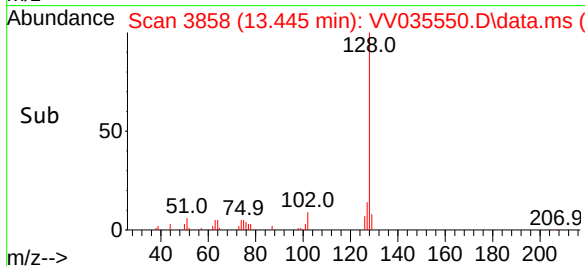
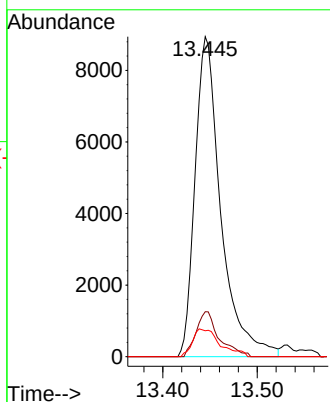
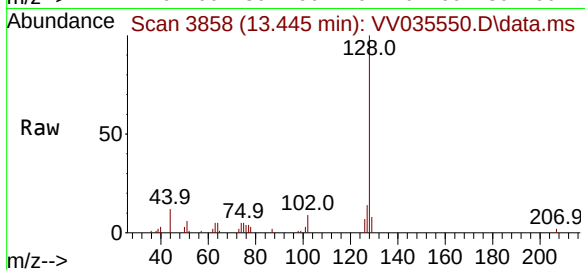
Tgt Ion:128 Resp: 16939

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 4.4 8.6 13.0#



#72

1,2,3-Trichlorobenzene

Concen: 0.982 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

Lab File: VV035550.D

Acq: 07 May 2024 13:53

Tgt Ion:180 Resp: 9276

Ion Ratio Lower Upper

180 100

182 97.3 75.8 113.6

145 33.0 25.2 37.8

