

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120123\
 Data File : VW033074.D
 Acq On : 01 Dec 2023 13:01
 Operator : SY/MD
 Sample : VSTD010
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 04 03:54:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 03:53:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	333294	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	328935	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	191568	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	19513	9.794	ug/L	0.00
7) Chloroethane-d5	1.532	69	13908	10.018	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	7421	9.791	ug/L	0.00
21) 2-Butanone-d5	3.802	46	15413	15.967	ug/L	0.02
24) Chloroform-d	4.252	84	42337	10.013	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	26494	10.078	ug/L	0.00
32) Benzene-d6	4.963	84	76986	10.007	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	20934	10.120	ug/L	0.00
41) Toluene-d8	7.246	98	72849	9.927	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	12699	9.709	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	14560	17.874	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	27757	9.440	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	33588	9.854	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	37780	10.370	ug/L	98
3) Chloromethane	1.217	50	24448	10.175	ug/L	100
5) Vinyl chloride	1.285	62	23353	10.134	ug/L	96
6) Bromomethane	1.491	94	15056	10.013	ug/L	99
8) Chloroethane	1.552	64	12833	10.460	ug/L	97
9) Trichlorofluoromethane	1.716	101	39041	10.267	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	18295	10.246	ug/L	95
12) 1,1-Dichloroethene	2.072	96	17065	10.213	ug/L	94
13) Acetone	2.111	43	19995	21.165	ug/L	100
14) Carbon disulfide	2.243	76	61417	10.245	ug/L	99
15) Methyl Acetate	2.378	43	16043	10.189	ug/L	98
16) Methylene chloride	2.449	84	23359	10.557	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	22818	10.401	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	67048	10.060	ug/L	99
19) 1,1-Dichloroethane	3.114	63	37528	10.335	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	23419	10.060	ug/L	98
22) 2-Butanone	3.879	43	23523	20.321	ug/L	80
23) Bromochloromethane	4.150	128	6862	5.161	ug/L #	96
25) Chloroform	4.278	83	43616	10.444	ug/L	99
27) 1,2-Dichloroethane	5.047	62	32357	9.805	ug/L	99
29) Cyclohexane	4.587	56	29552	9.727	ug/L	96
30) 1,1,1-Trichloroethane	4.513	97	42133	10.364	ug/L	99
31) Carbon tetrachloride	4.741	117	39378	10.418	ug/L	97
33) Benzene	5.014	78	86927	10.429	ug/L	100
34) Trichloroethene	5.838	95	25670	10.308	ug/L	94
35) Methylcyclohexane	6.053	83	34814	9.633	ug/L	96
37) 1,2-Dichloropropane	6.095	63	20920	10.844	ug/L	100
38) Bromodichloromethane	6.436	83	32364	10.406	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	32783	9.365	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	40636	19.839	ug/L	100
42) Toluene	7.317	91	95343	10.150	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	35197	9.944	ug/L	99

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 ClientSampleId :

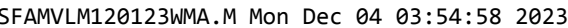
Quant Time: Dec 04 03:54:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 03:53:30 2023
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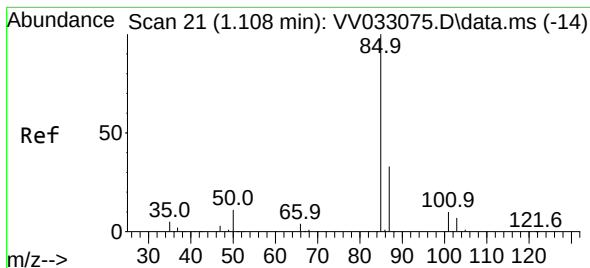
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.770	97	23227	10.384	ug/L	95
46) Tetrachloroethene	7.908	164	21675	10.125	ug/L	96
48) 2-Hexanone	8.079	43	31532	19.243	ug/L	97
49) Dibromochloromethane	8.178	129	27359	10.246	ug/L	99
50) 1,2-Dibromoethane	8.284	107	23508	9.858	ug/L	96
51) Chlorobenzene	8.815	112	68290	10.339	ug/L	99
52) Ethylbenzene	8.947	91	106391	9.840	ug/L	100
53) m,p-Xylene	9.075	106	42020	9.814	ug/L	88
54) o-Xylene	9.481	106	42065	9.956	ug/L	90
55) Styrene	9.497	104	69599	9.523	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	30058	9.836	ug/L	95
59) Bromoform	9.667	173	20781	9.995	ug/L	98
60) Isopropylbenzene	9.866	105	109629	9.925	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	25325	10.602	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	85447	9.601	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	90326	9.746	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	59602	10.100	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	62412	10.182	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	58686	10.144	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.365	75	6955	9.489	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	46366	9.809	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	41887	9.592	ug/L	96
71) Naphthalene	13.442	128	99150	9.310	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	42143	10.001	ug/L	98

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

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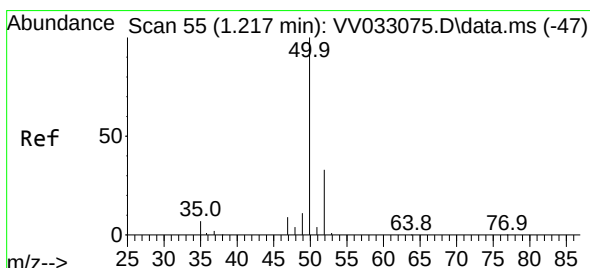
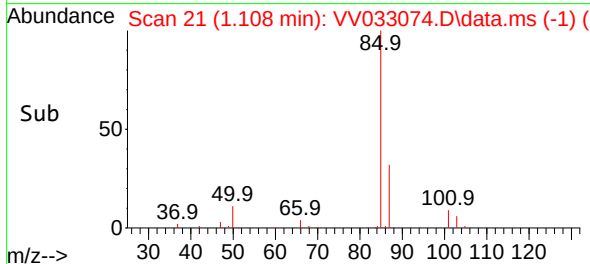
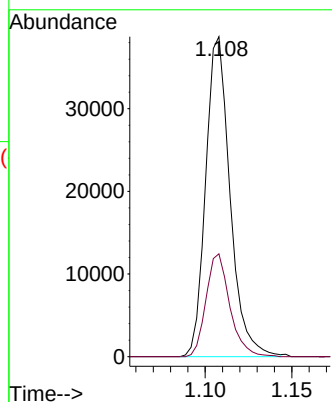
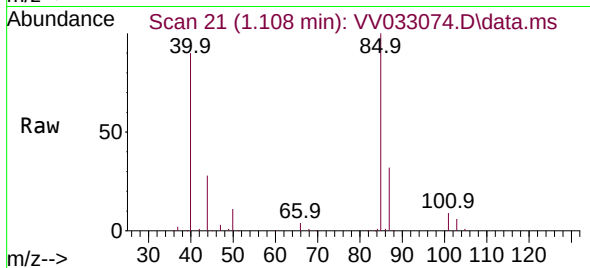




#2
Dichlorodifluoromethane
Concen: 10.370 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

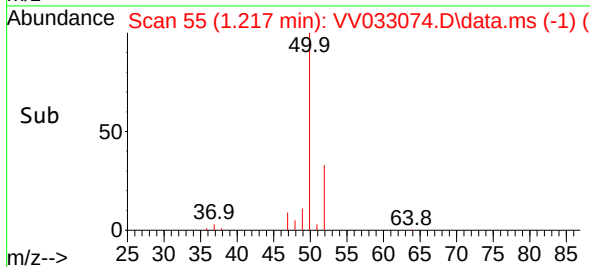
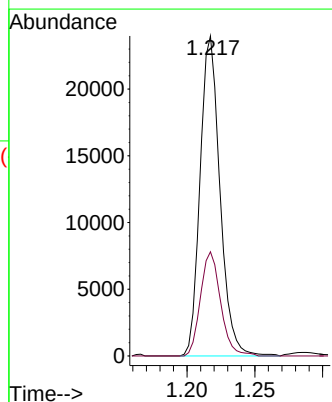
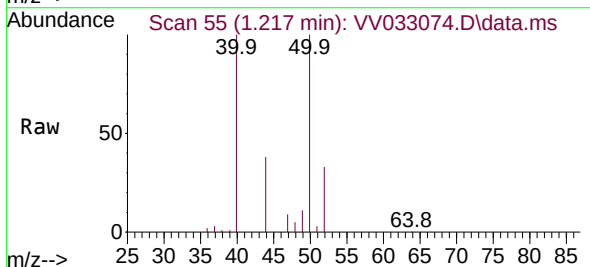
Instrument :
MSVOA_V
ClientSampleId :

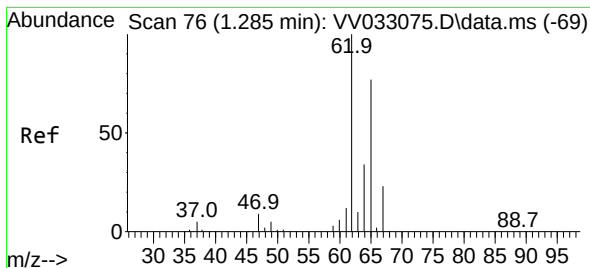
Tgt Ion: 85 Resp: 37780
Ion Ratio Lower Upper
85 100
87 31.4 26.0 39.0



#3
Chloromethane
Concen: 10.175 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

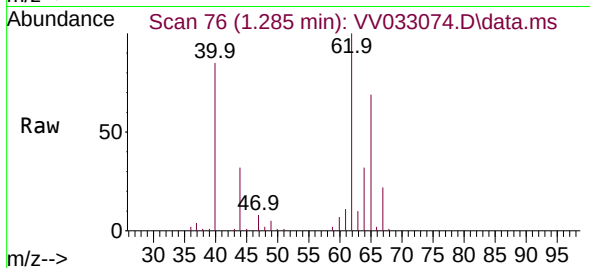
Tgt Ion: 50 Resp: 24448
Ion Ratio Lower Upper
50 100
52 32.6 22.8 42.4



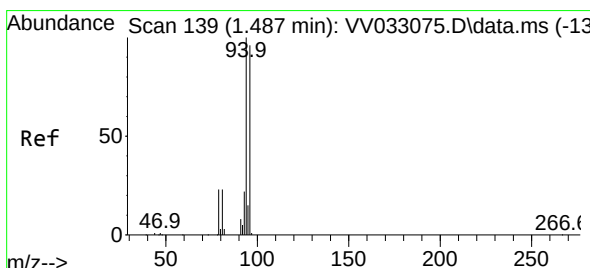
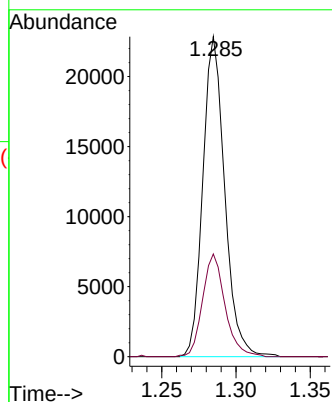
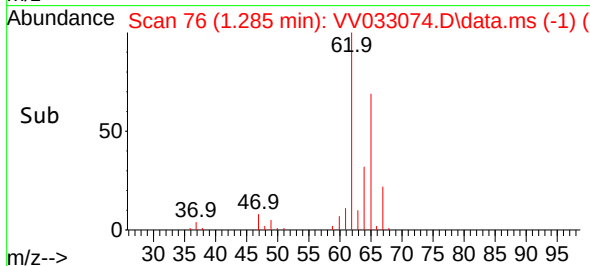


#5
 Vinyl chloride
 Concen: 10.134 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV033074.D
 Acq: 01 Dec 2023 13:01

Instrument :
 MSVOA_V
 ClientSampleId :

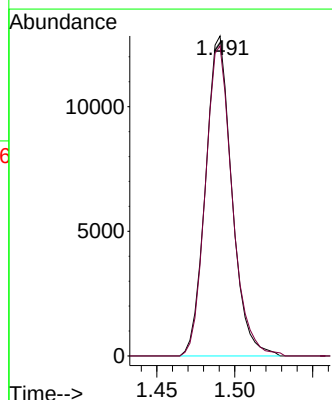
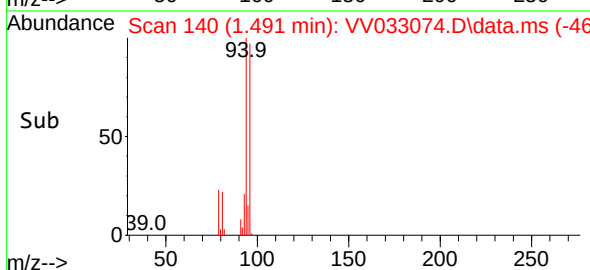
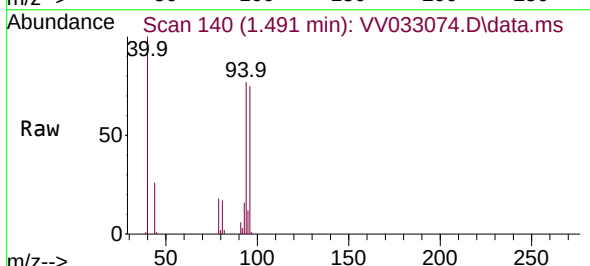


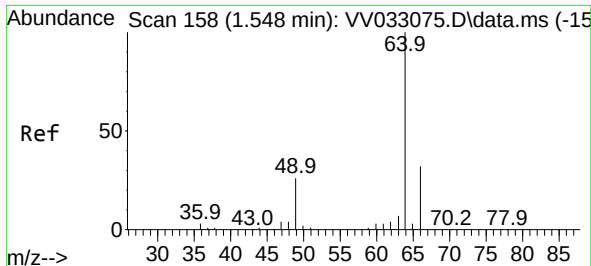
Tgt Ion: 62 Resp: 23353
 Ion Ratio Lower Upper
 62 100
 64 32.1 24.2 45.0



#6
 Bromomethane
 Concen: 10.013 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV033074.D
 Acq: 01 Dec 2023 13:01

Tgt Ion: 94 Resp: 15056
 Ion Ratio Lower Upper
 94 100
 96 96.9 67.1 124.7

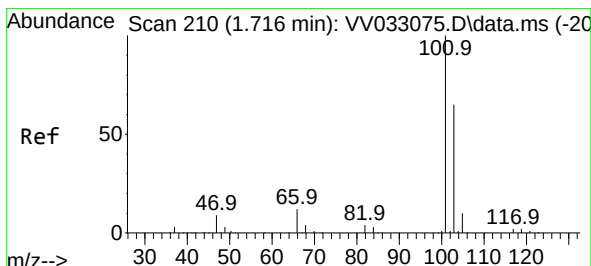
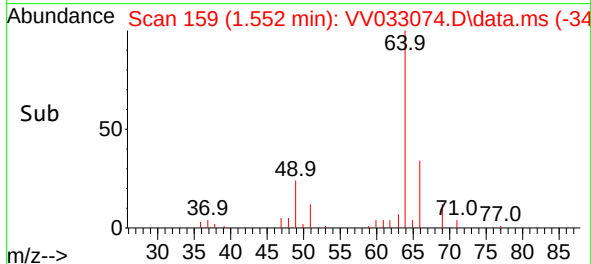
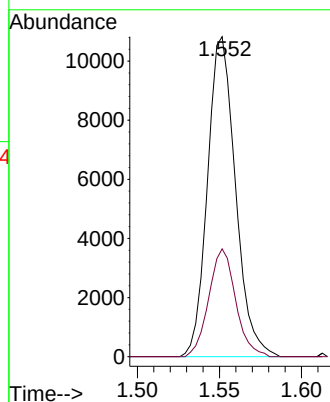
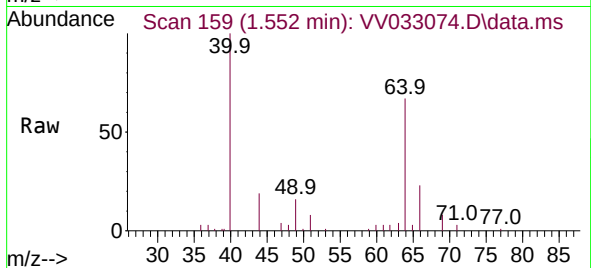




#8
Chloroethane
Concen: 10.460 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

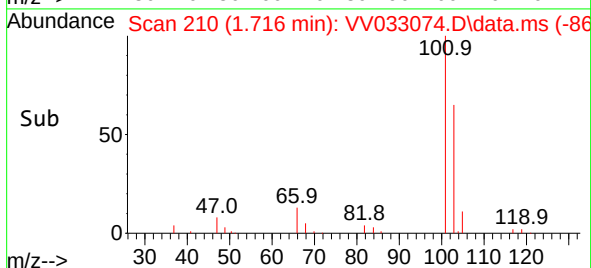
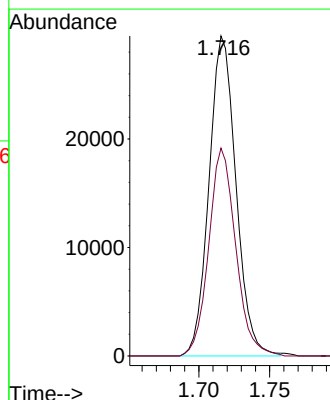
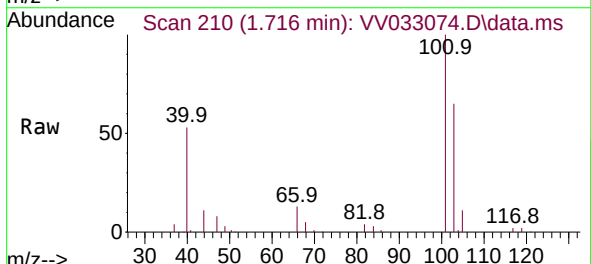
Instrument :
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ClientSampleId :

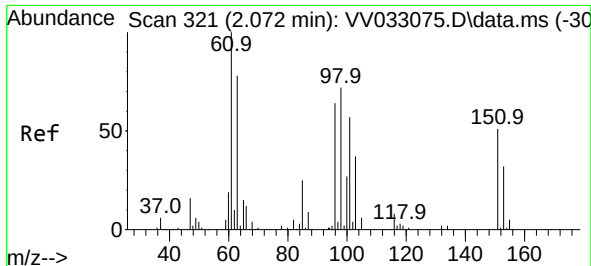
Tgt Ion: 64 Resp: 12833
Ion Ratio Lower Upper
64 100
66 33.7 22.3 41.5



#9
Trichlorofluoromethane
Concen: 10.267 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion:101 Resp: 39041
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9

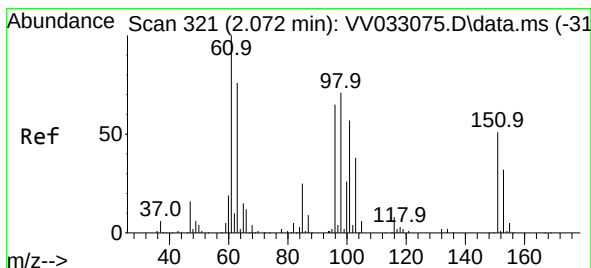
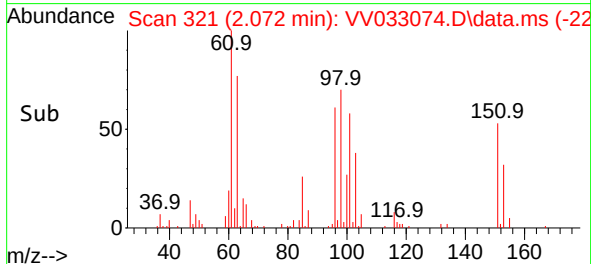
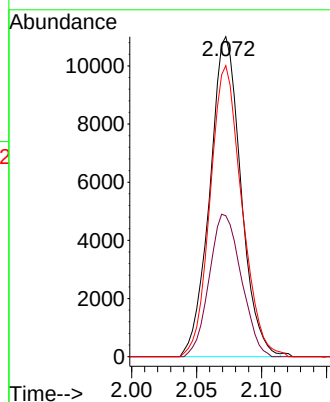
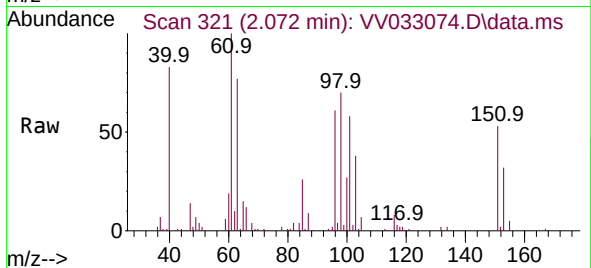




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.246 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV033074.D
 Acq: 01 Dec 2023 13:01

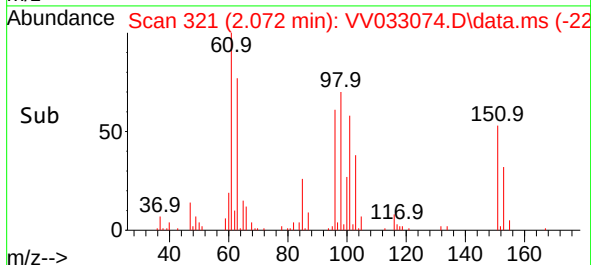
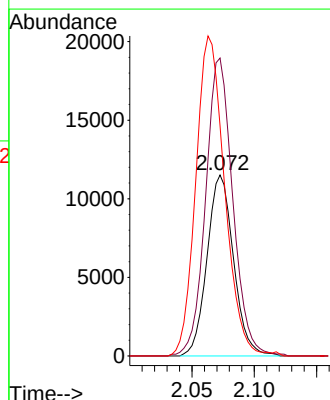
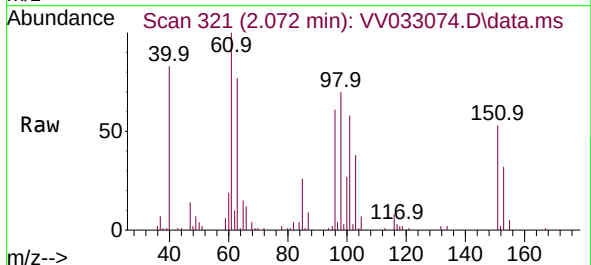
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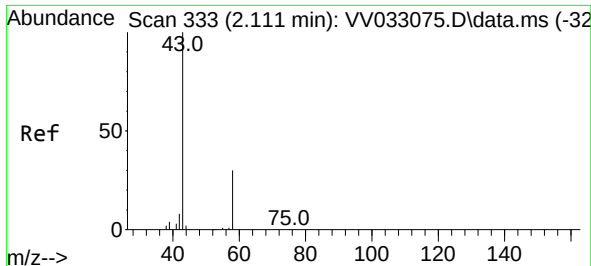
Tgt Ion:101 Resp: 18295
 Ion Ratio Lower Upper
 101 100
 85 45.8 36.0 54.0
 151 92.3 69.1 103.7



#12
 1,1-Dichloroethene
 Concen: 10.213 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV033074.D
 Acq: 01 Dec 2023 13:01

Tgt Ion: 96 Resp: 17065
 Ion Ratio Lower Upper
 96 100
 61 164.7 109.1 202.7
 63 127.2 85.3 158.3





#13

Acetone

Concen: 21.165 ug/L

RT: 2.111 min Scan# 333

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

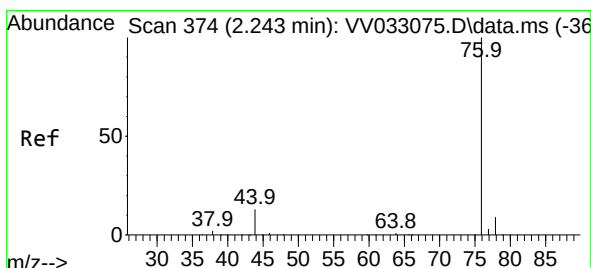
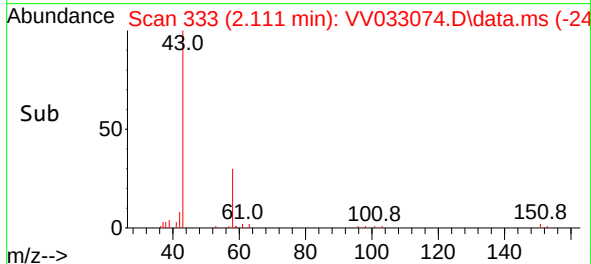
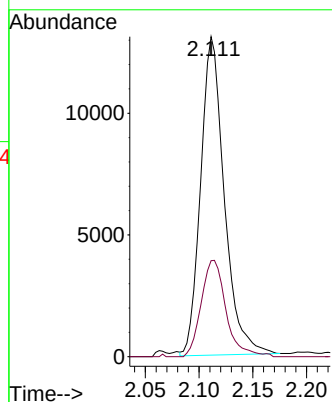
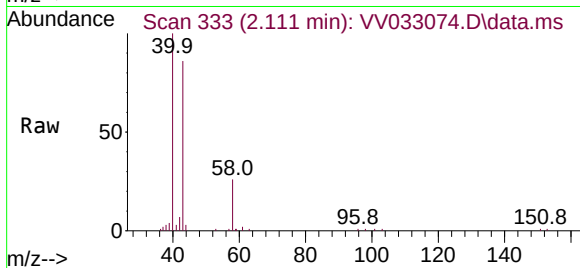
ClientSampleId :

Tgt Ion: 43 Resp: 19995

Ion Ratio Lower Upper

43 100

58 31.6 0.0 62.8



#14

Carbon disulfide

Concen: 10.245 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV033074.D

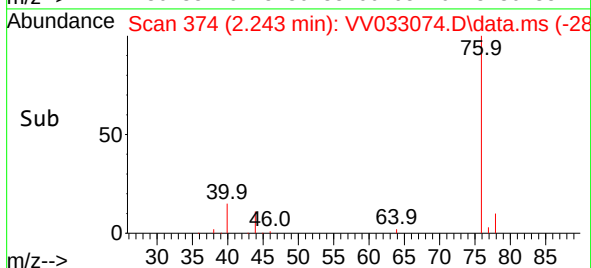
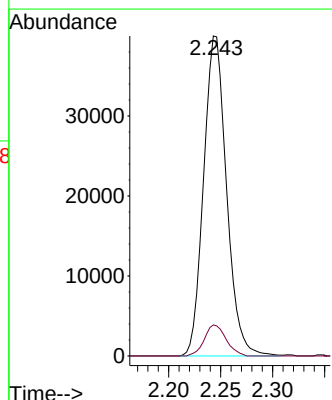
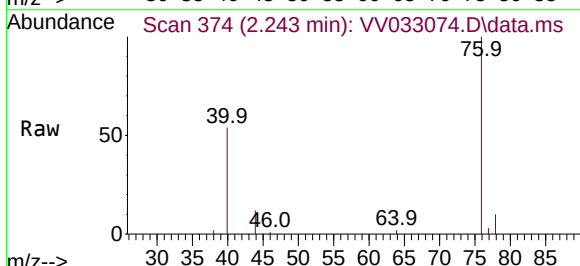
Acq: 01 Dec 2023 13:01

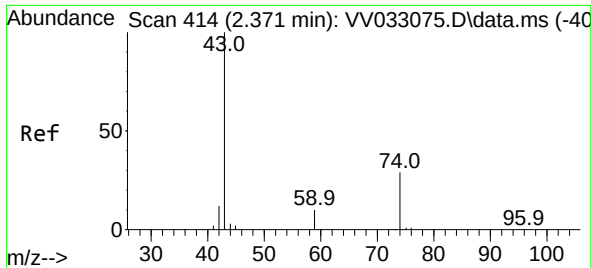
Tgt Ion: 76 Resp: 61417

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0

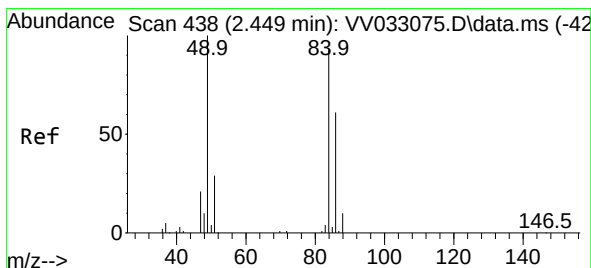
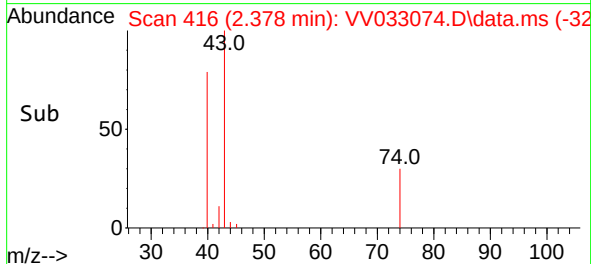
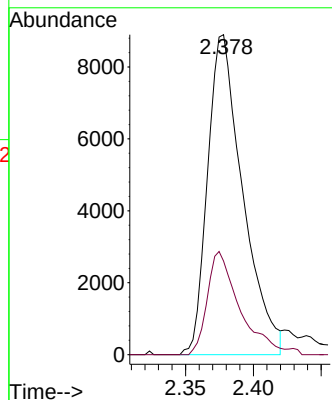
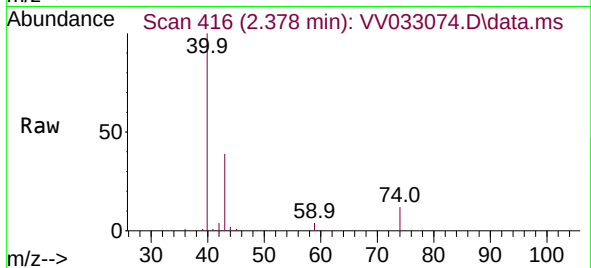




#15
Methyl Acetate
Concen: 10.189 ug/L
RT: 2.378 min Scan# 414
Delta R.T. 0.006 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

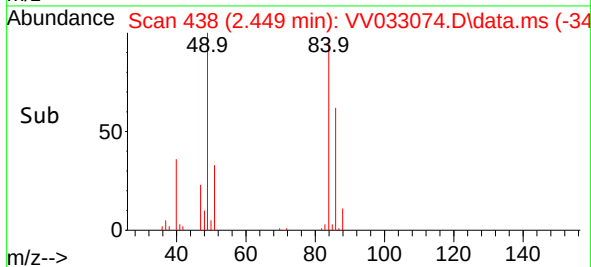
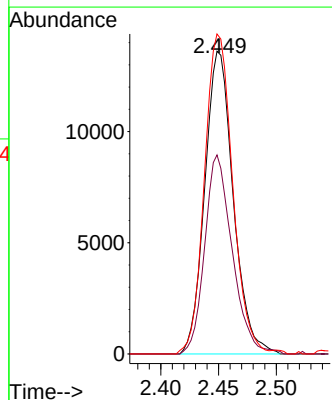
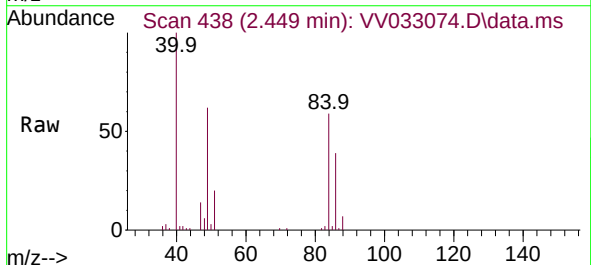
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MSVOA_V
ClientSampleId :

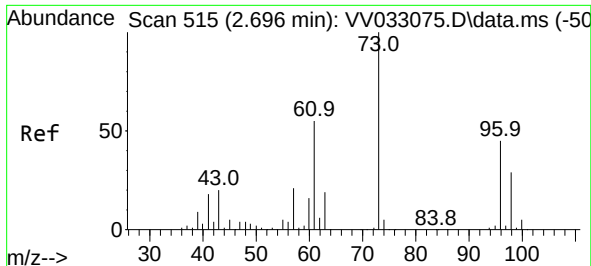
Tgt Ion: 43 Resp: 16043
Ion Ratio Lower Upper
43 100
74 29.5 22.6 33.8



#16
Methylene chloride
Concen: 10.557 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion: 84 Resp: 23359
Ion Ratio Lower Upper
84 100
86 65.7 45.9 85.3
49 105.7 75.5 140.1

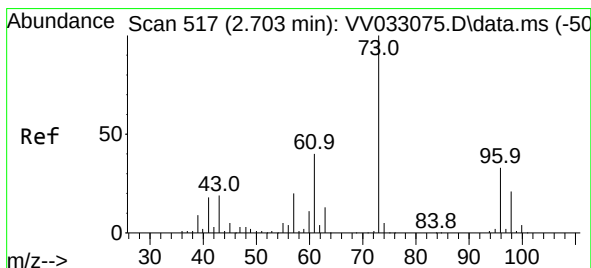
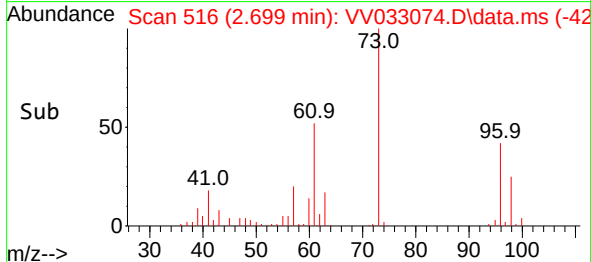
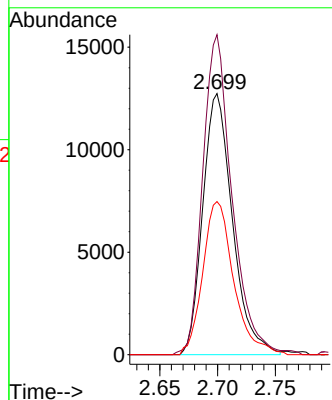
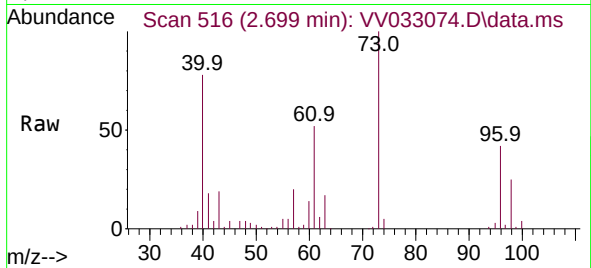




#17
trans-1,2-Dichloroethene
Concen: 10.401 ug/L
RT: 2.699 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

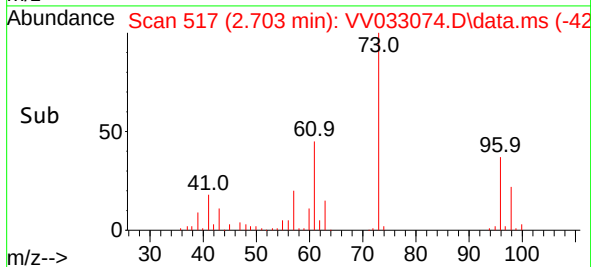
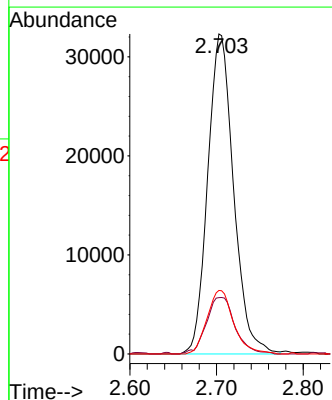
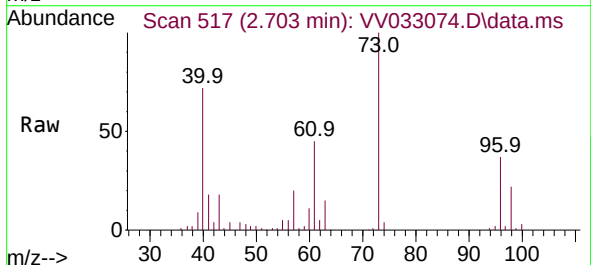
Instrument :
MSVOA_V
ClientSampleId :

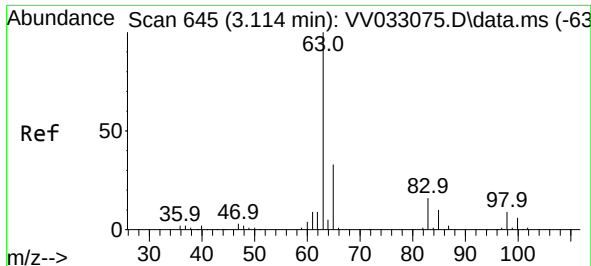
Tgt Ion: 96 Resp: 22818
Ion Ratio Lower Upper
96 100
61 122.5 86.5 160.6
98 58.7 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 10.060 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion: 73 Resp: 67048
Ion Ratio Lower Upper
73 100
43 19.1 15.4 23.2
57 20.5 16.1 24.1





#19

1,1-Dichloroethane

Concen: 10.335 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

ClientSampleId :

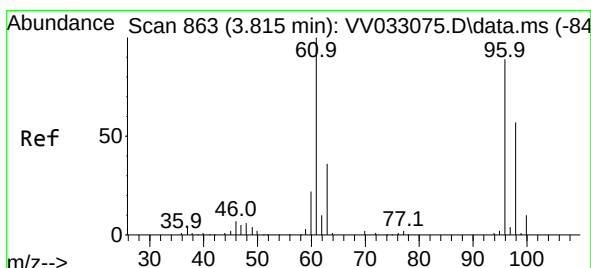
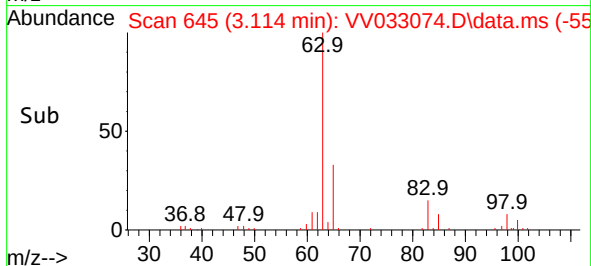
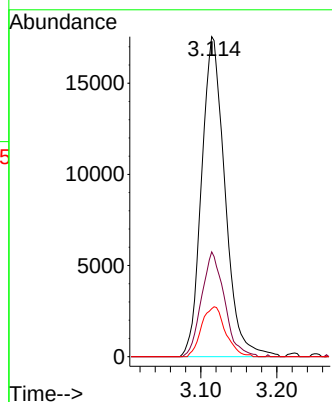
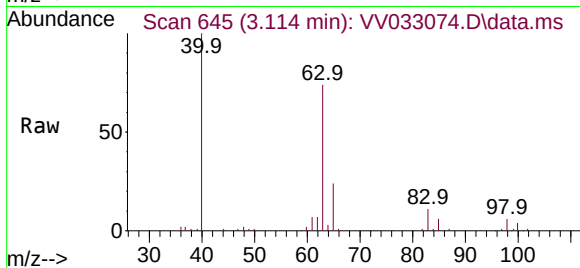
Tgt Ion: 63 Resp: 37528

Ion Ratio Lower Upper

63 100

65 32.7 23.0 42.6

83 15.0 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 10.060 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

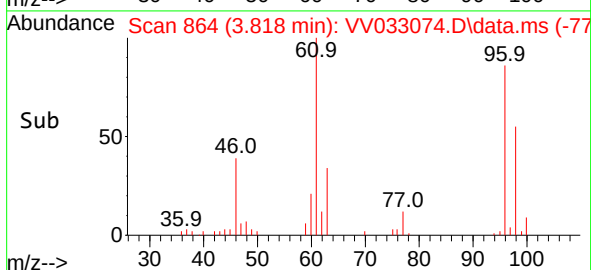
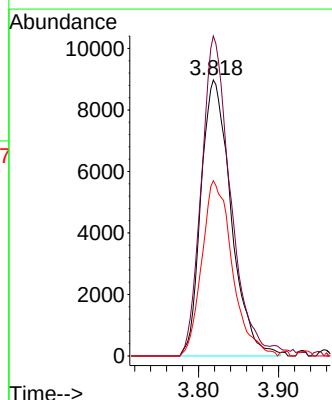
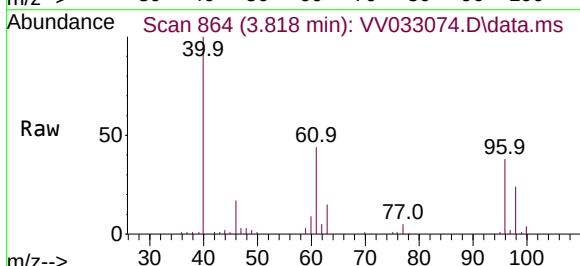
Tgt Ion: 96 Resp: 23419

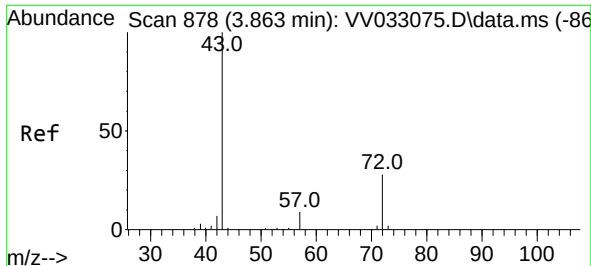
Ion Ratio Lower Upper

96 100

61 115.9 79.1 146.9

98 63.5 45.1 83.7

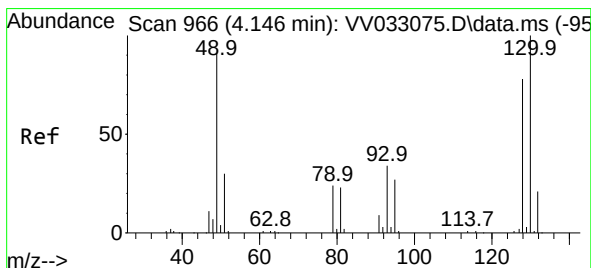
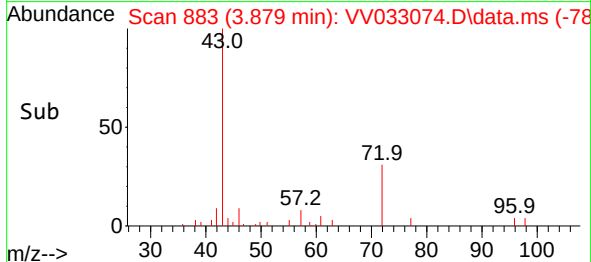
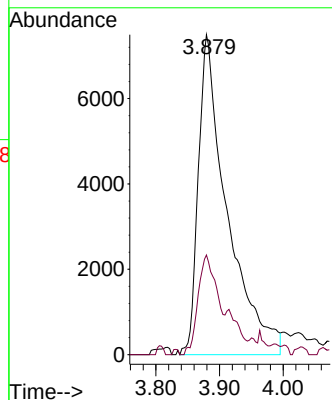
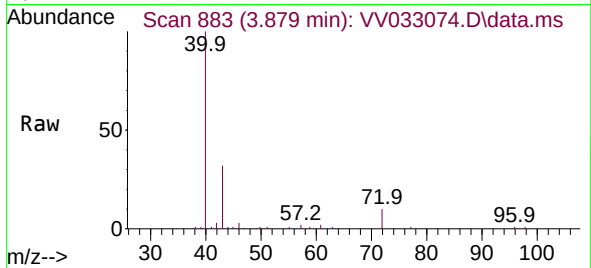




#22
2-Butanone
Concen: 20.321 ug/L
RT: 3.879 min Scan# 878
Delta R.T. 0.016 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

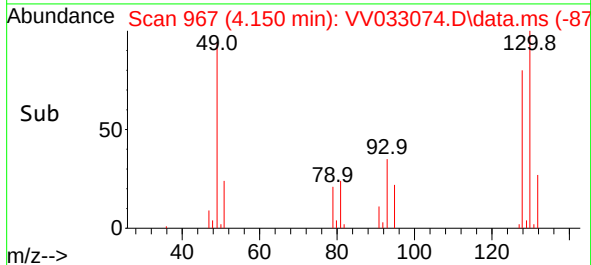
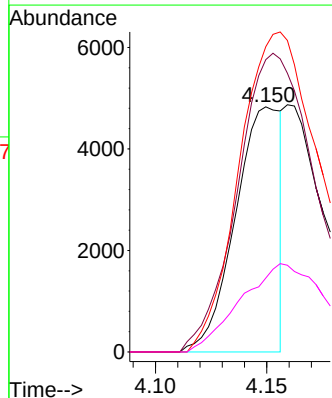
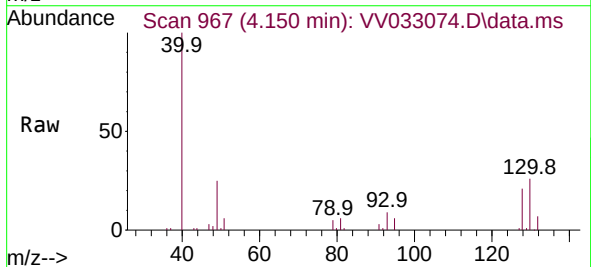
Instrument :
MSVOA_V
ClientSampleId :

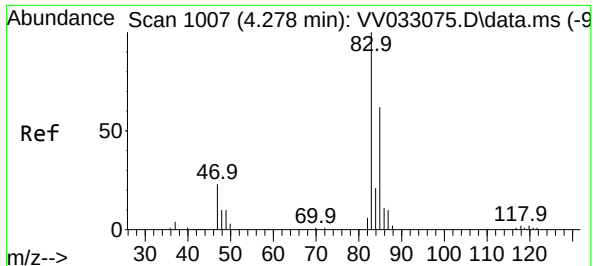
Tgt Ion: 43 Resp: 23523
Ion Ratio Lower Upper
43 100
72 18.5 14.6 43.8



#23
Bromochloromethane
Concen: 5.161 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion:128 Resp: 6862
Ion Ratio Lower Upper
128 100
49 119.3 81.7 151.7
130 124.6 90.1 167.3
51 30.2 30.5 45.7#





#25

Chloroform

Concen: 10.444 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

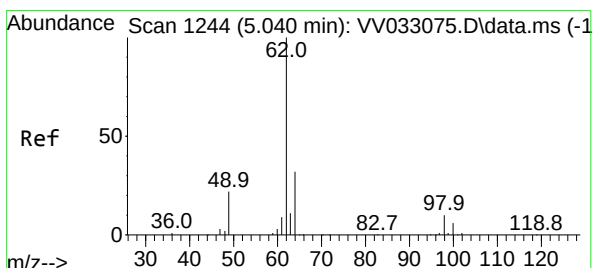
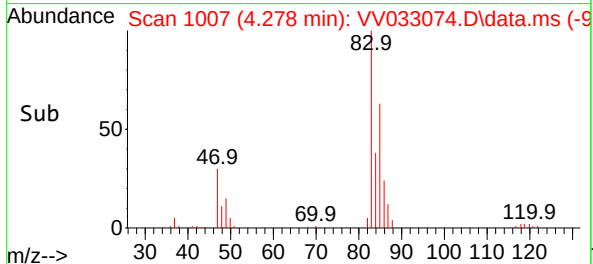
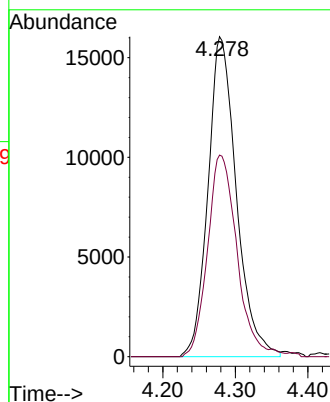
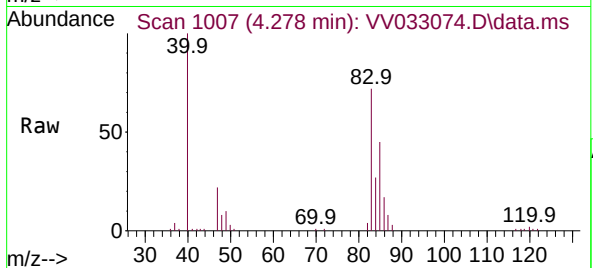
ClientSampleId :

Tgt Ion: 83 Resp: 43616

Ion Ratio Lower Upper

83 100

85 63.0 43.5 80.7



#27

1,2-Dichloroethane

Concen: 9.805 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.007 min

Lab File: VV033074.D

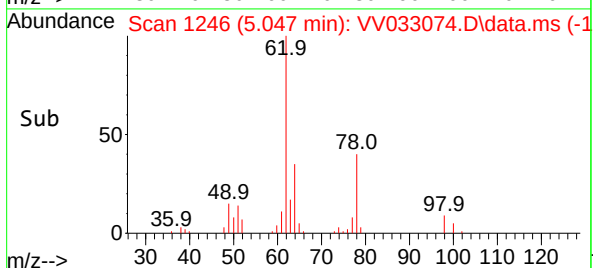
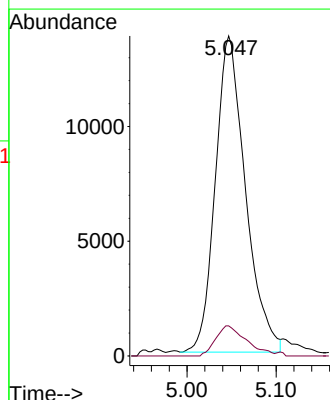
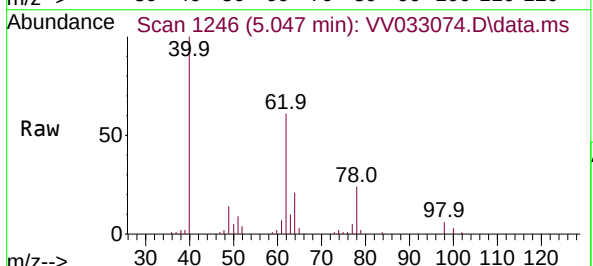
Acq: 01 Dec 2023 13:01

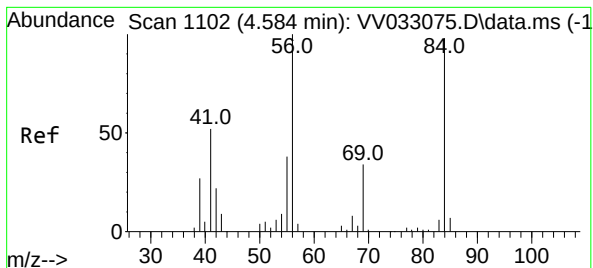
Tgt Ion: 62 Resp: 32357

Ion Ratio Lower Upper

62 100

98 9.4 7.8 11.8





#29

Cyclohexane

Concen: 9.727 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

ClientSampleId :

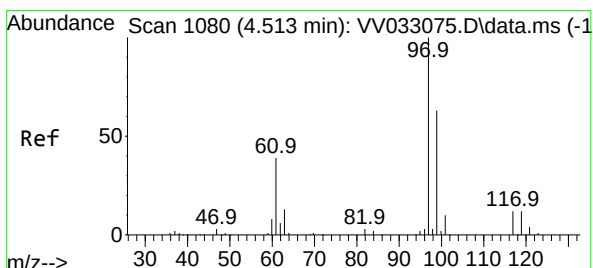
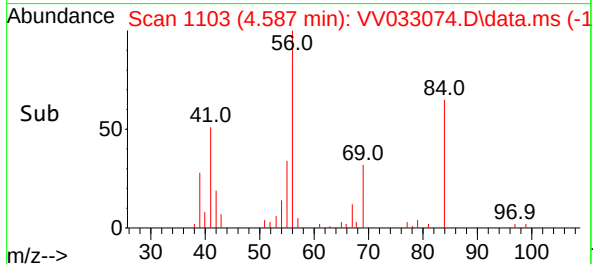
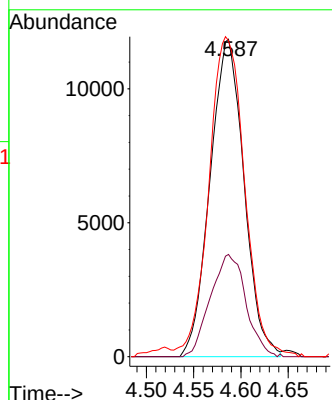
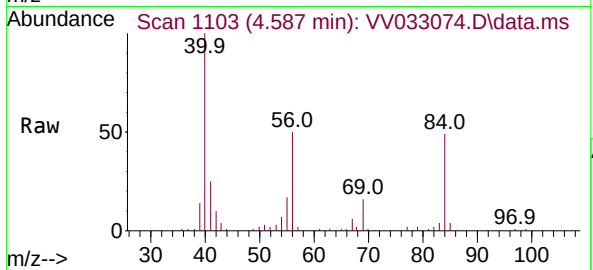
Tgt Ion: 56 Resp: 29552

Ion Ratio Lower Upper

56 100

69 33.6 26.9 40.3

84 106.2 80.6 121.0



#30

1,1,1-Trichloroethane

Concen: 10.364 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

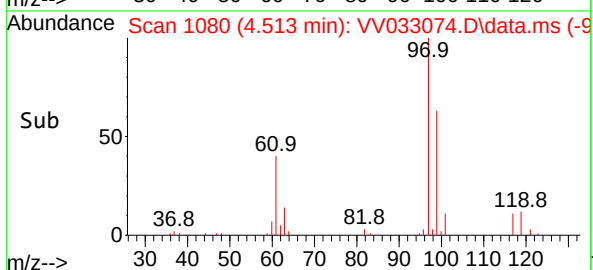
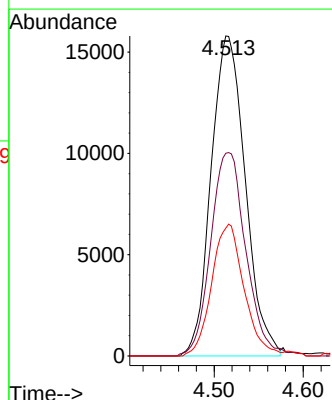
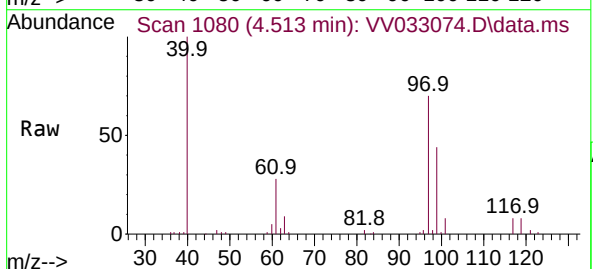
Tgt Ion: 97 Resp: 42133

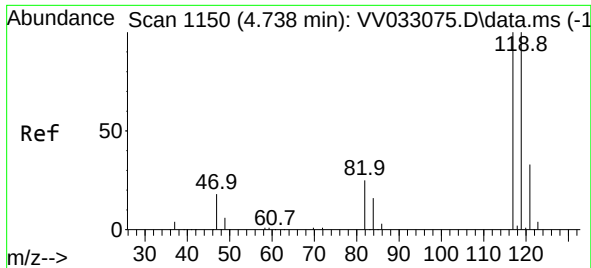
Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

61 39.0 31.8 47.8

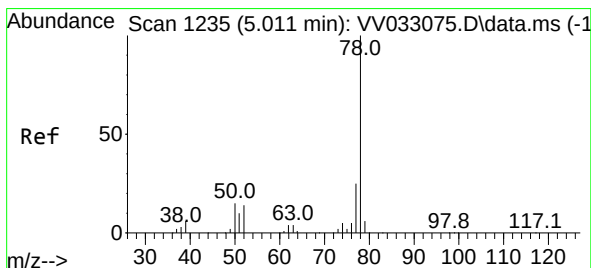
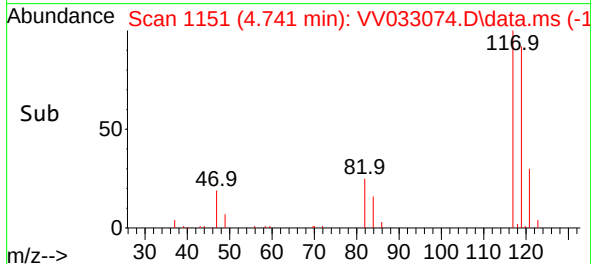
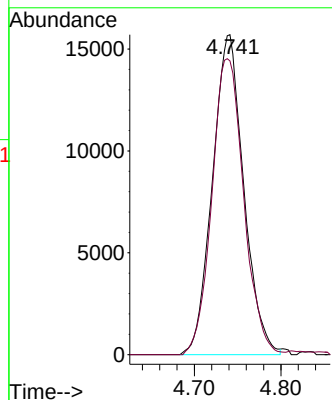
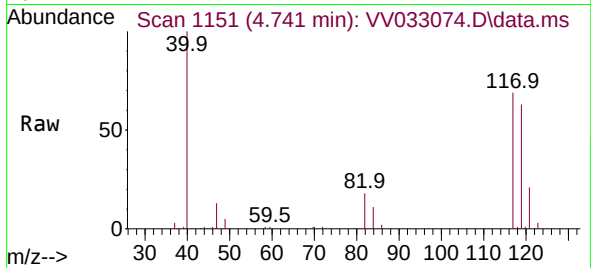




#31
Carbon tetrachloride
Concen: 10.418 ug/L
RT: 4.741 min Scan# 1150
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

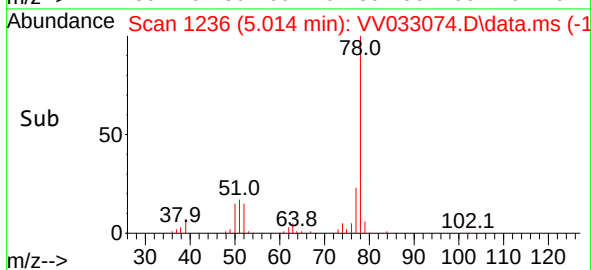
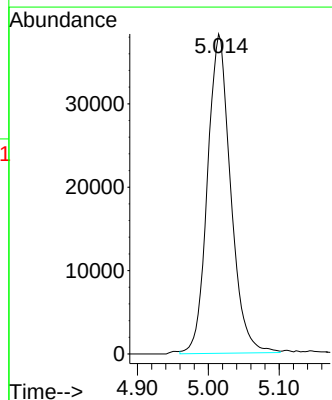
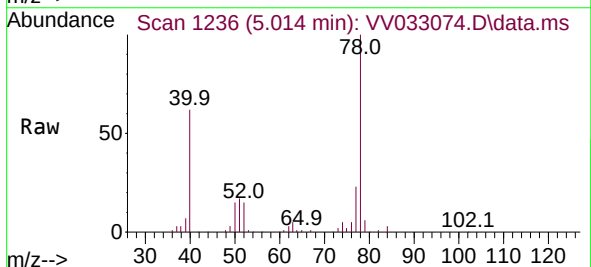
Instrument :
MSVOA_V
ClientSampleId :

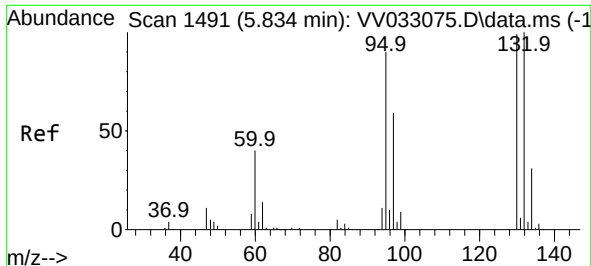
Tgt Ion:117 Resp: 39378
Ion Ratio Lower Upper
117 100
119 94.4 77.5 116.3



#33
Benzene
Concen: 10.429 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion: 78 Resp: 86927

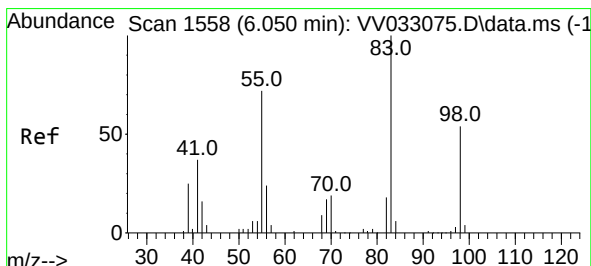
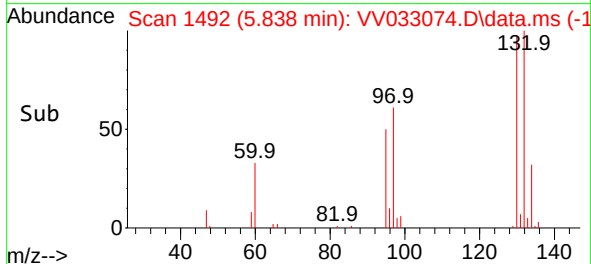
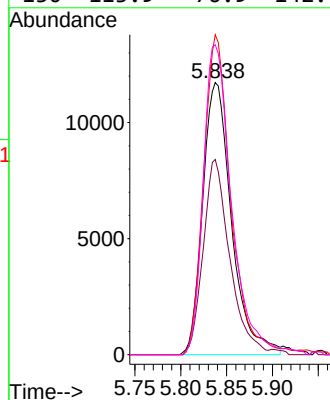
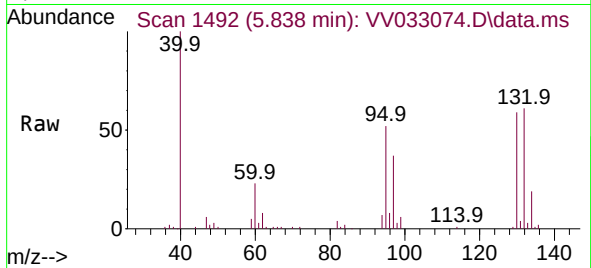




#34
Trichloroethene
Concen: 10.308 ug/L
RT: 5.838 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

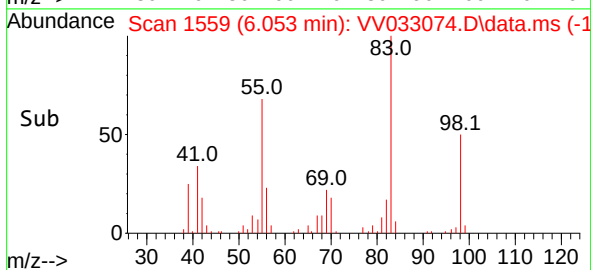
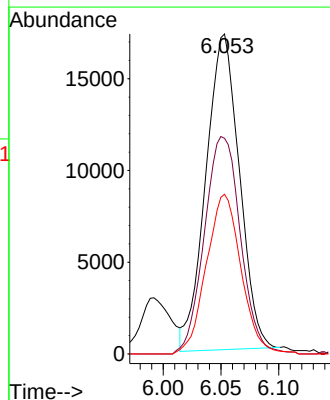
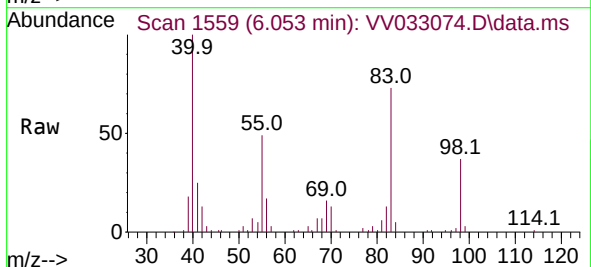
Instrument :
MSVOA_V
ClientSampleId :

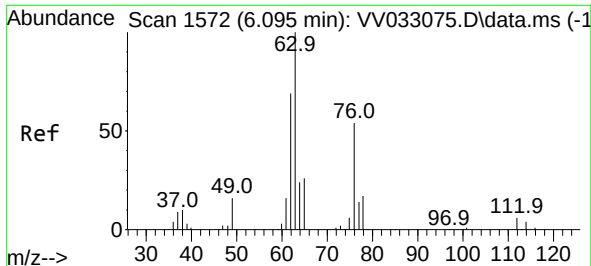
Tgt Ion: 95 Resp: 25670
Ion Ratio Lower Upper
95 100
97 71.7 45.8 85.0
132 117.5 77.4 143.8
130 113.9 76.9 142.7



#35
Methylcyclohexane
Concen: 9.633 ug/L
RT: 6.053 min Scan# 1559
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion: 83 Resp: 34814
Ion Ratio Lower Upper
83 100
55 74.1 54.8 82.2
98 52.4 41.4 62.0





#37

1,2-Dichloropropane

Concen: 10.844 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

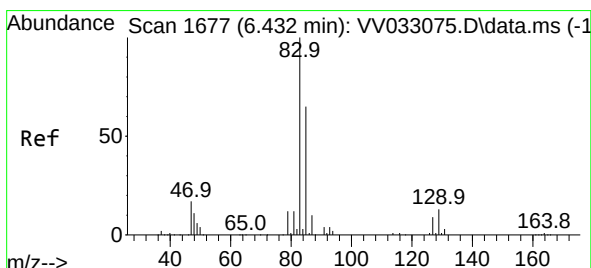
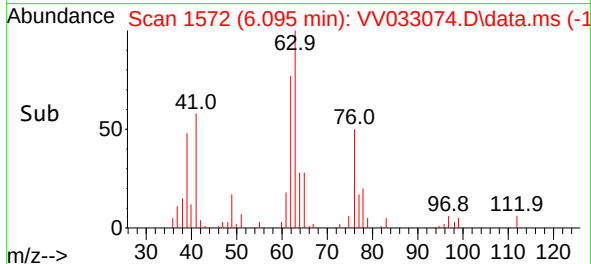
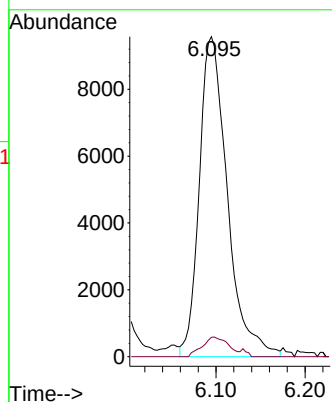
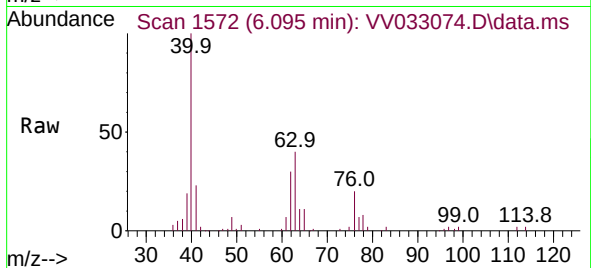
ClientSampleId :

Tgt Ion: 63 Resp: 20920

Ion Ratio Lower Upper

63 100

112 5.8 4.6 6.8



#38

Bromodichloromethane

Concen: 10.406 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

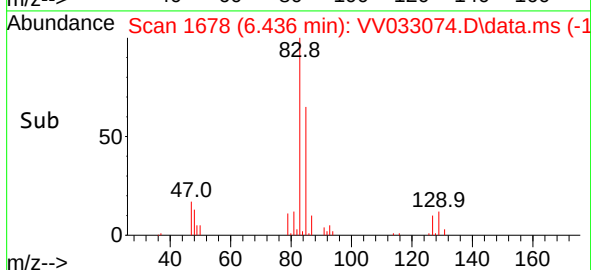
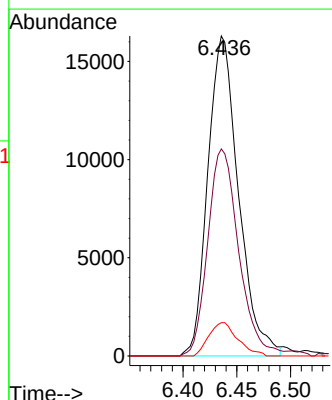
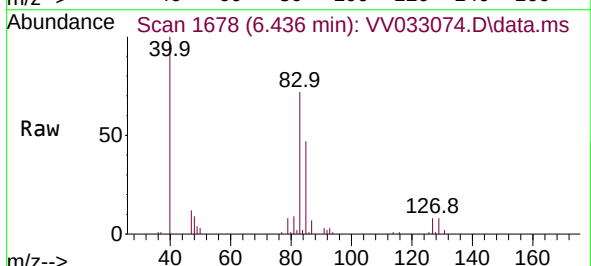
Tgt Ion: 83 Resp: 32364

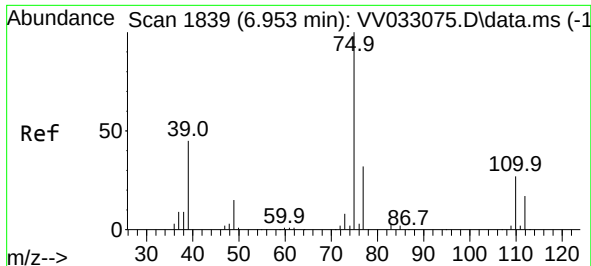
Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.6

127 10.4 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 9.365 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.007 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

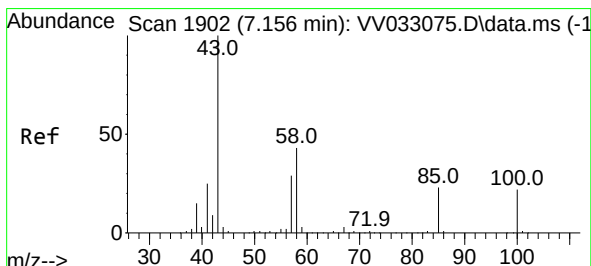
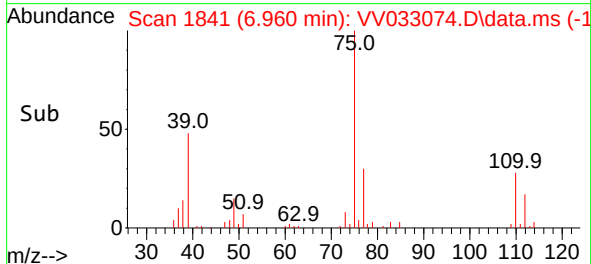
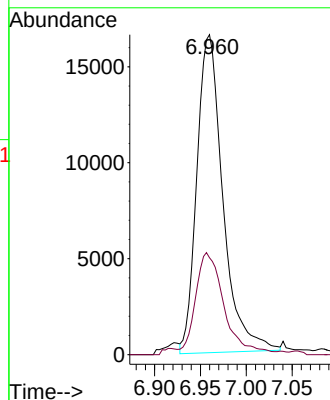
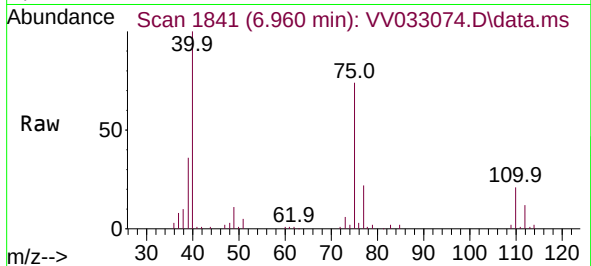
ClientSampleId :

Tgt Ion: 75 Resp: 32783

Ion Ratio Lower Upper

75 100

77 30.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 19.839 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

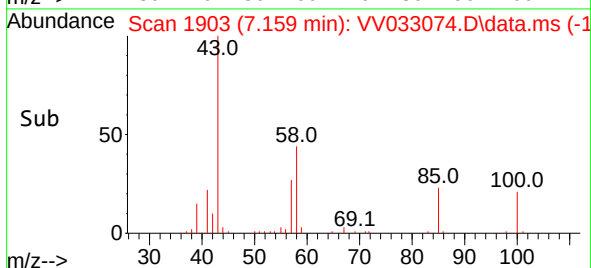
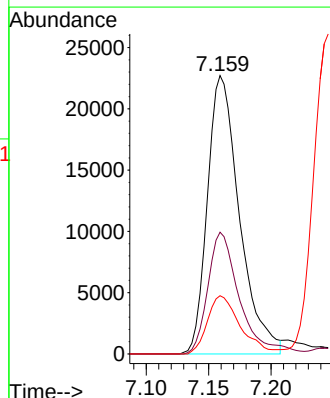
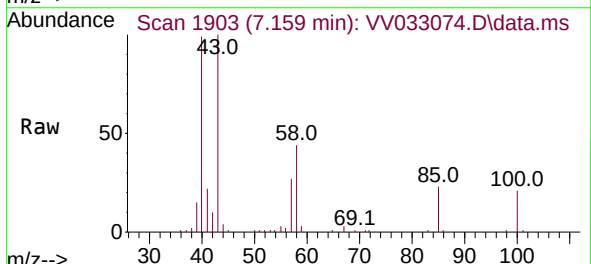
Tgt Ion: 43 Resp: 40636

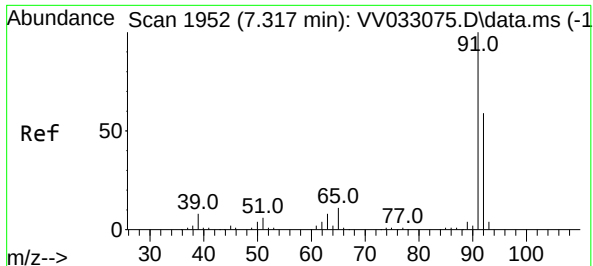
Ion Ratio Lower Upper

43 100

58 43.2 34.5 51.7

100 21.4 17.0 25.6





#42

Toluene

Concen: 10.150 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

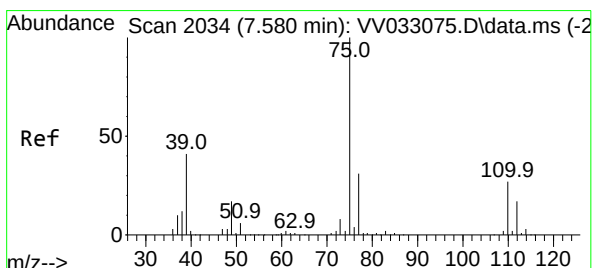
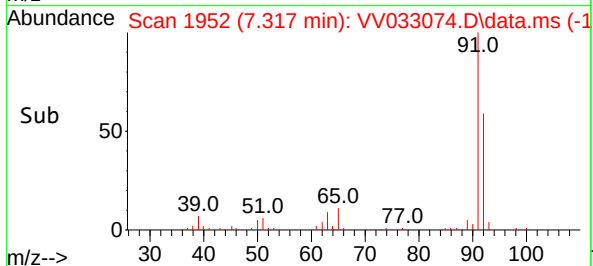
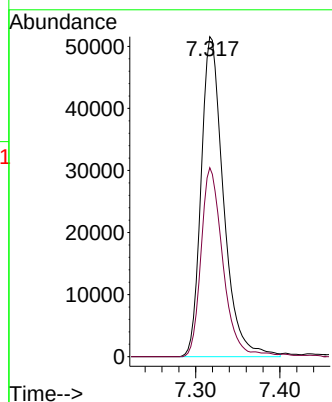
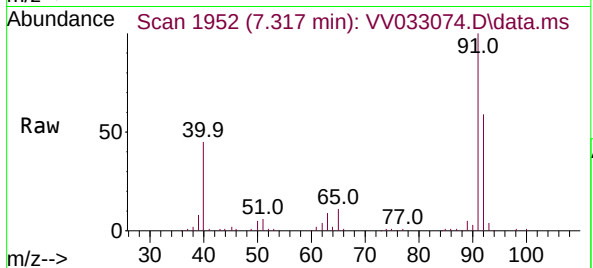
ClientSampleId :

Tgt Ion: 91 Resp: 95343

Ion Ratio Lower Upper

91 100

92 59.1 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 9.944 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.007 min

Lab File: VV033074.D

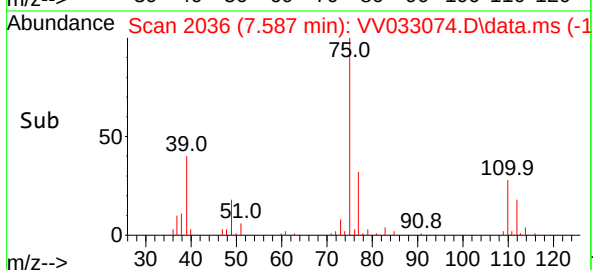
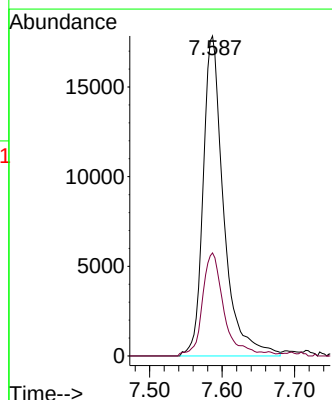
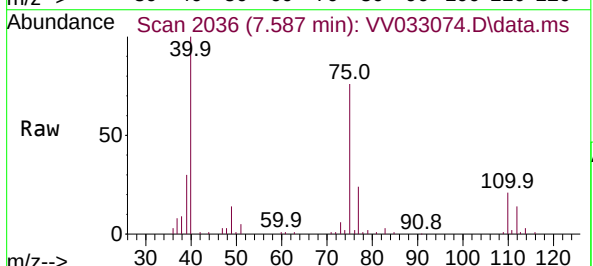
Acq: 01 Dec 2023 13:01

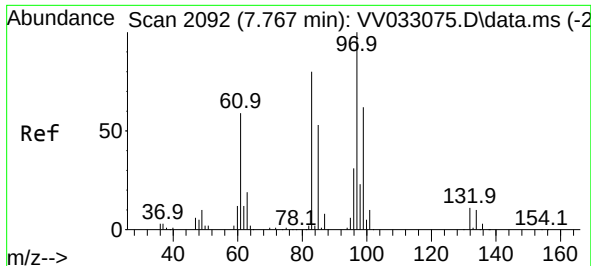
Tgt Ion: 75 Resp: 35197

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 10.384 ug/L

RT: 7.770 min Scan# 2092

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 23227

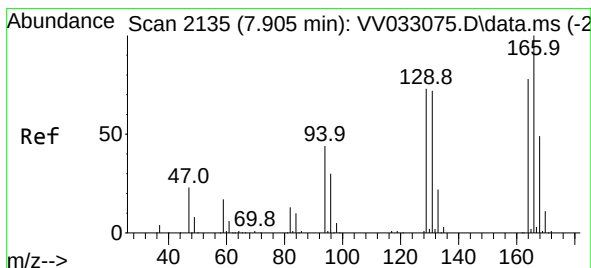
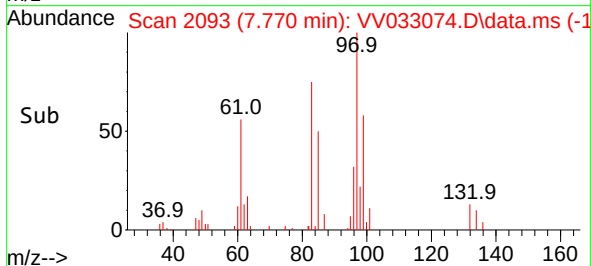
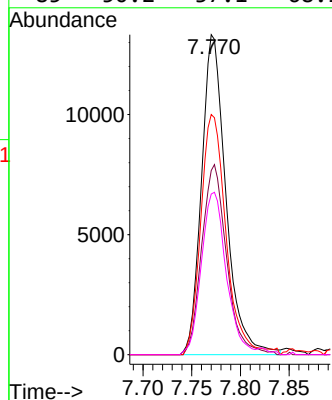
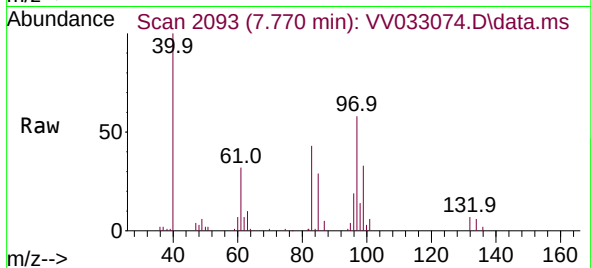
Ion Ratio Lower Upper

97 100

99 57.6 43.2 80.2

83 75.0 55.8 103.6

85 50.2 37.1 68.9



#46

Tetrachloroethene

Concen: 10.125 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Tgt Ion:164 Resp: 21675

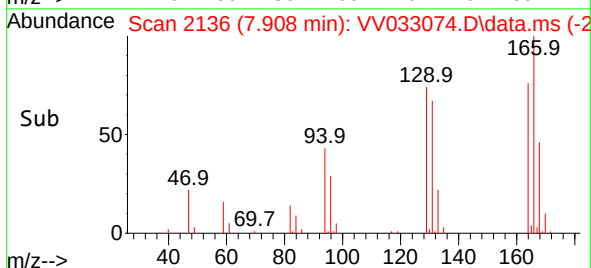
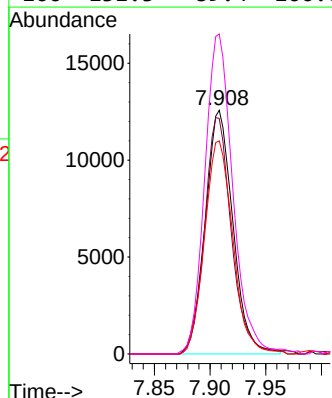
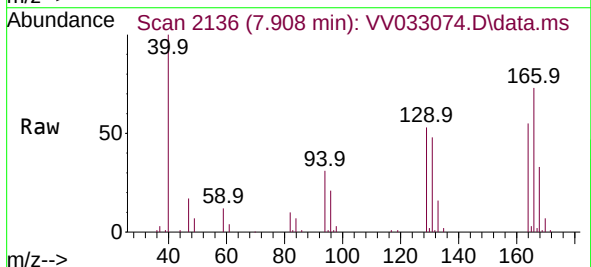
Ion Ratio Lower Upper

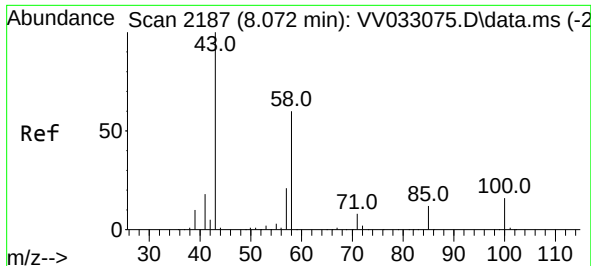
164 100

129 96.6 65.6 121.8

131 87.4 64.7 120.1

166 131.3 89.4 166.0

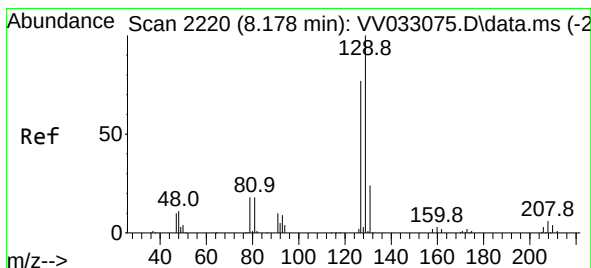
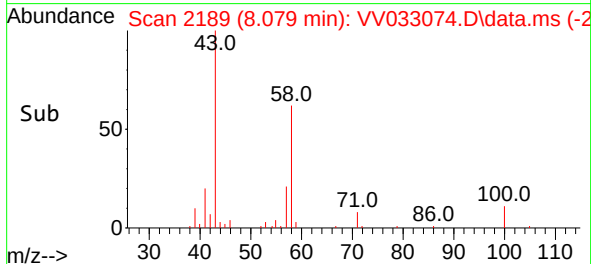
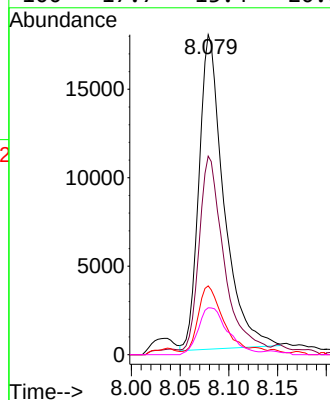
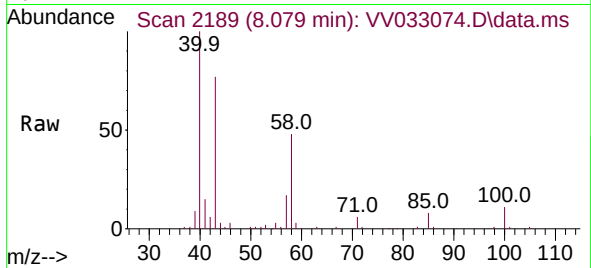




#48
2-Hexanone
Concen: 19.243 ug/L
RT: 8.079 min Scan# 2187
Delta R.T. 0.007 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

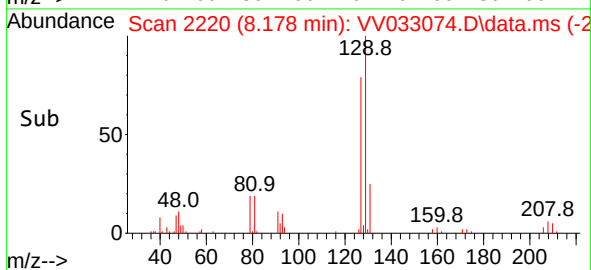
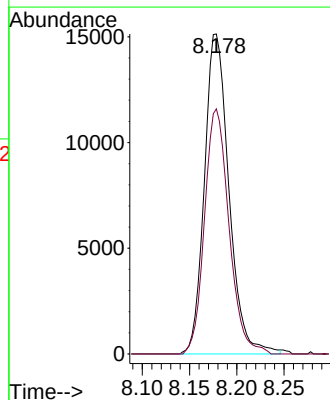
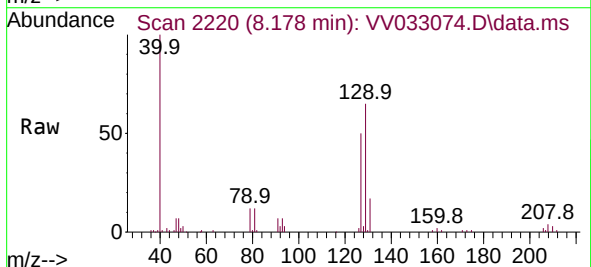
Instrument :
MSVOA_V
ClientSampleId :

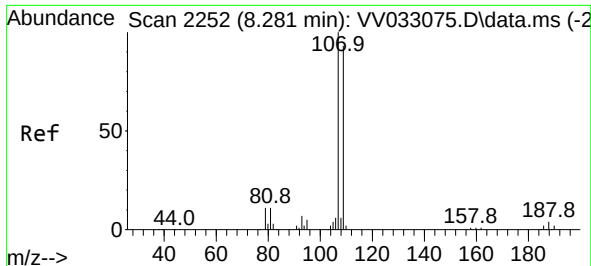
Tgt Ion: 43	Resp: 31532
Ion Ratio	Lower Upper
43 100	
58 62.3	47.9 71.9
57 20.3	17.4 26.0
100 17.7	13.4 20.0



#49
Dibromochloromethane
Concen: 10.246 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion:129	Resp:	27359	
Ion	Ratio	Lower	Upper
129	100		
127	76.6	54.1	100.5





#50

1,2-Dibromoethane

Concen: 9.858 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV033074.D

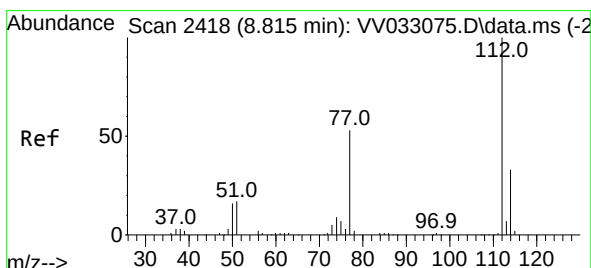
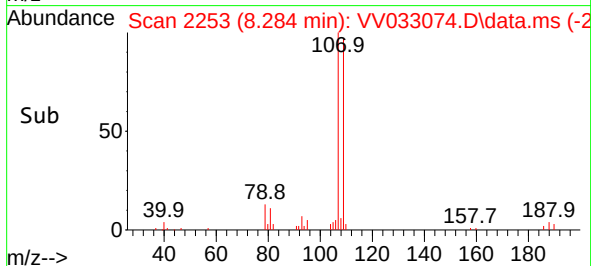
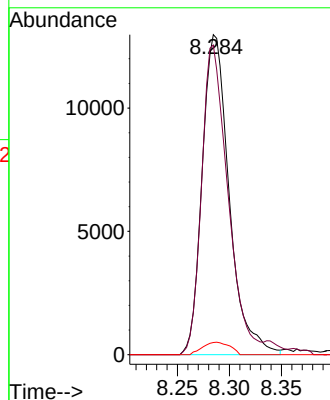
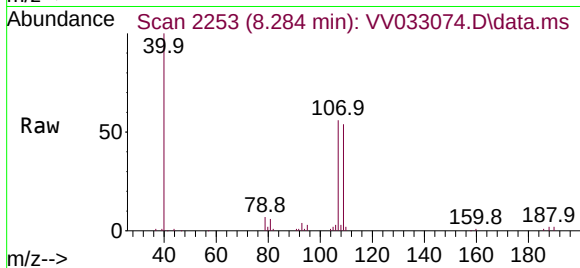
Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	23508
Ion Ratio	Lower	Upper	
107	100		
109	96.7	65.2	121.2
188	3.8	3.8	5.6



#51

Chlorobenzene

Concen: 10.339 ug/L

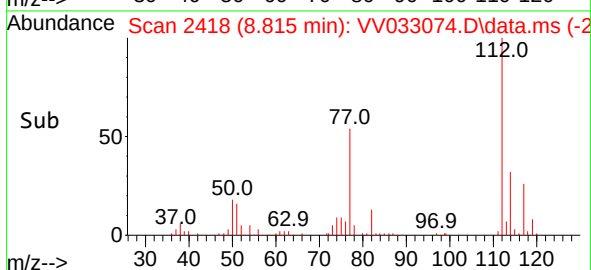
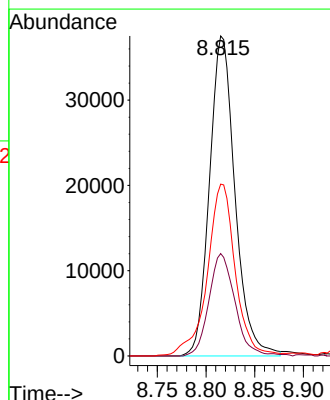
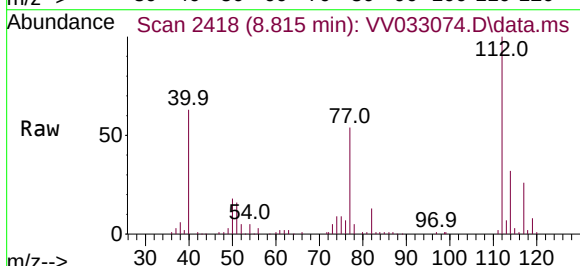
RT: 8.815 min Scan# 2418

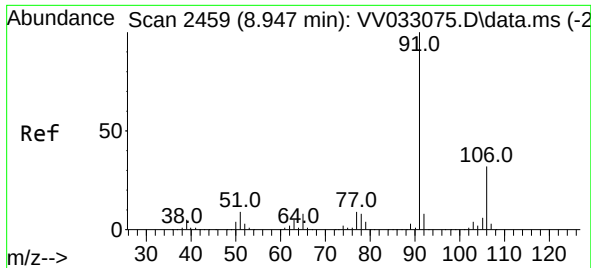
Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Tgt Ion:	112	Resp:	68290
Ion Ratio	Lower	Upper	
112	100		
114	32.0	22.9	42.5
77	53.7	42.6	64.0

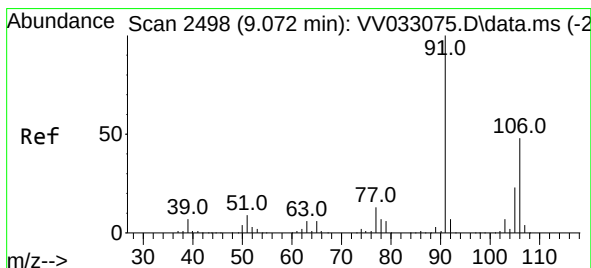
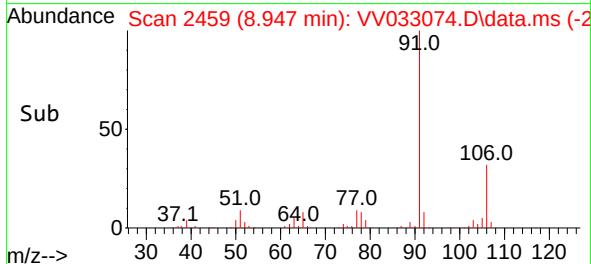
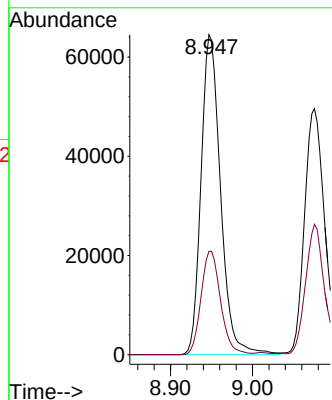
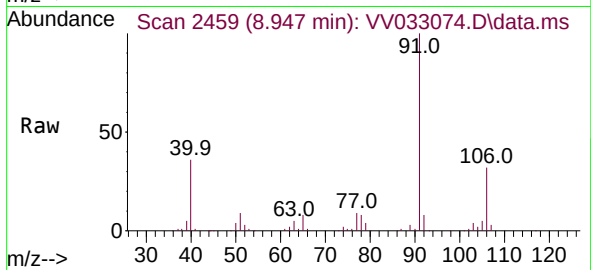




#52
Ethylbenzene
Concen: 9.840 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

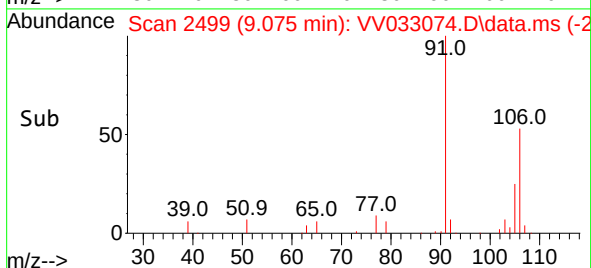
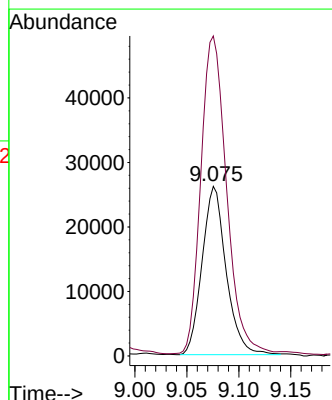
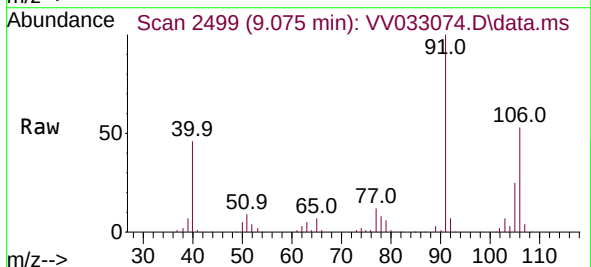
Instrument :
MSVOA_V
ClientSampleId :

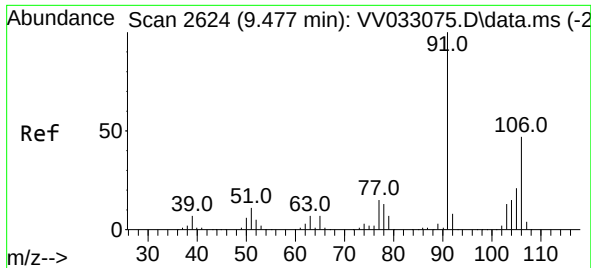
Tgt Ion: 91 Resp: 106391
Ion Ratio Lower Upper
91 100
106 32.3 22.6 42.0



#53
m,p-Xylene
Concen: 9.814 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion:106 Resp: 42020
Ion Ratio Lower Upper
106 100
91 188.6 145.2 269.6

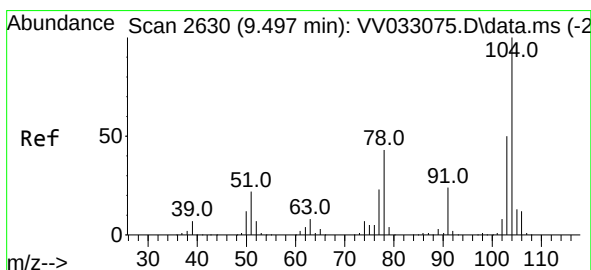
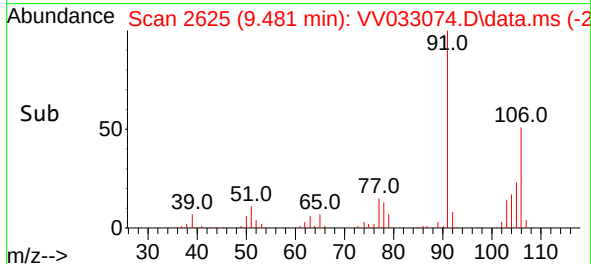
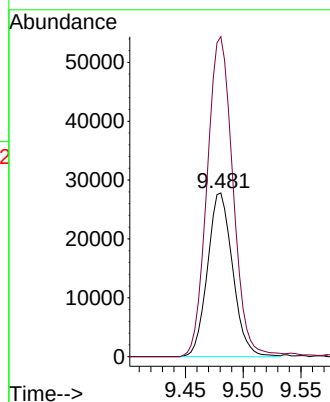
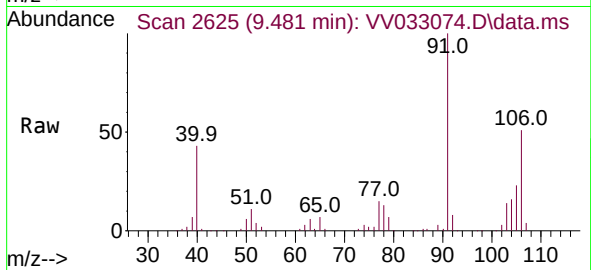




#54
o-Xylene
Concen: 9.956 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.003 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

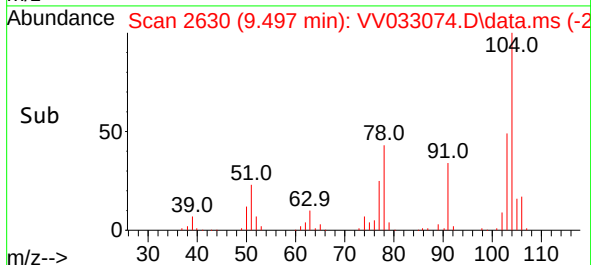
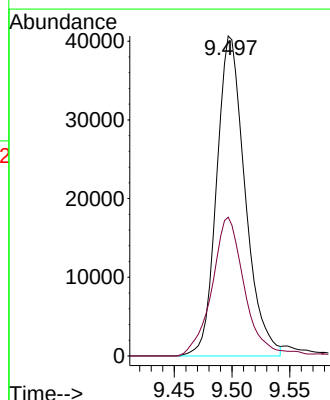
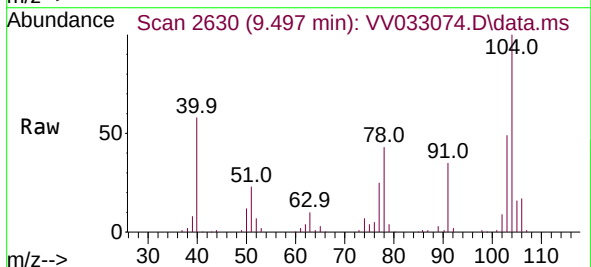
Instrument :
MSVOA_V
ClientSampleId :

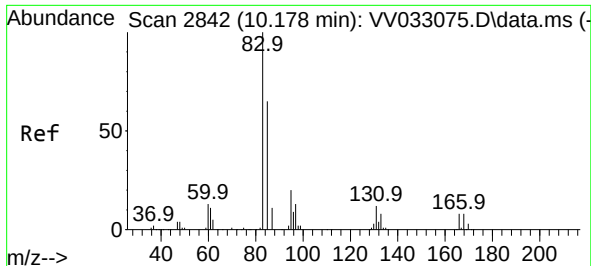
Tgt Ion:106 Resp: 42065
Ion Ratio Lower Upper
106 100
91 195.5 147.8 274.6



#55
Styrene
Concen: 9.523 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion:104 Resp: 69599
Ion Ratio Lower Upper
104 100
78 43.3 30.2 56.0





#57

1,1,2,2-Tetrachloroethane

Concen: 9.836 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033074.D

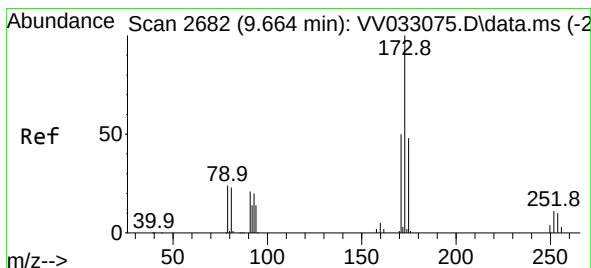
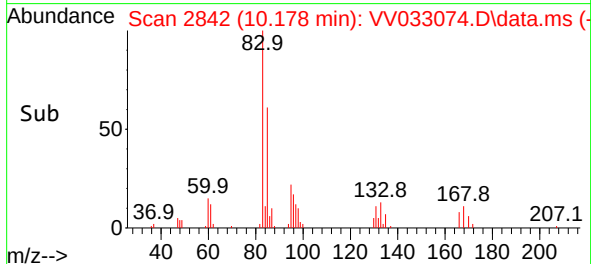
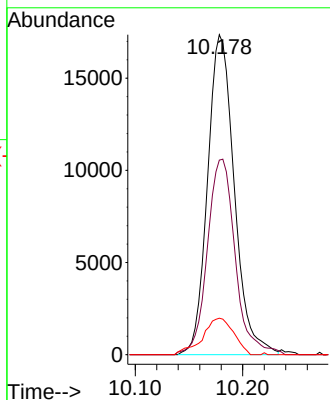
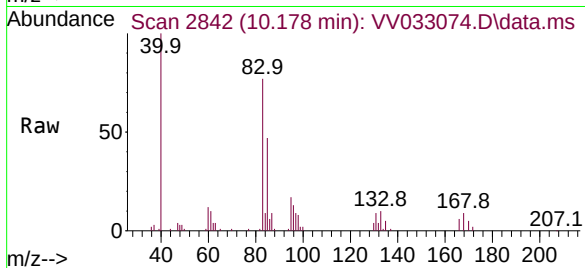
Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	30058
Ion	Ratio	Lower	Upper
83	100		
85	60.8	45.5	84.5
131	11.4	9.7	14.5



#59

Bromoform

Concen: 9.995 ug/L

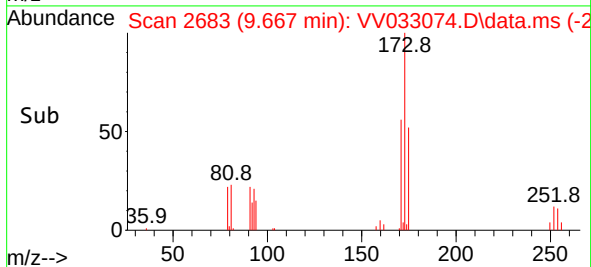
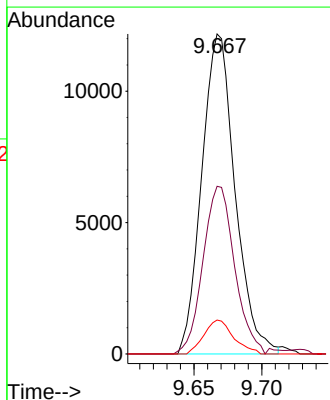
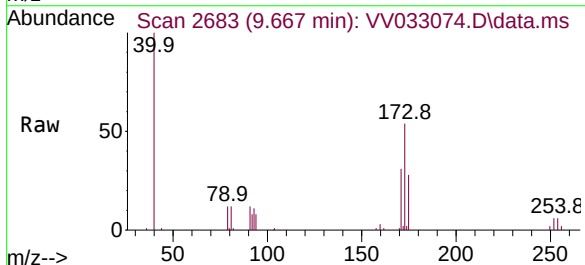
RT: 9.667 min Scan# 2683

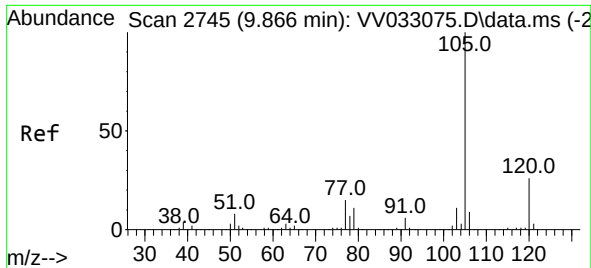
Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Tgt Ion:	173	Resp:	20781
Ion	Ratio	Lower	Upper
173	100		
175	49.8	38.7	58.1
254	9.4	8.0	12.0

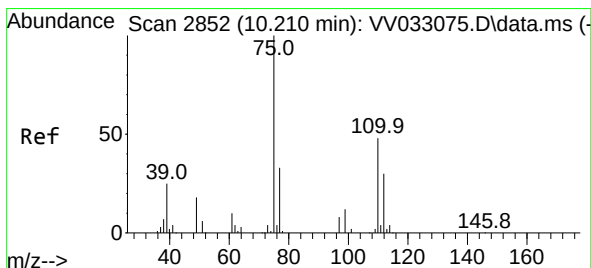
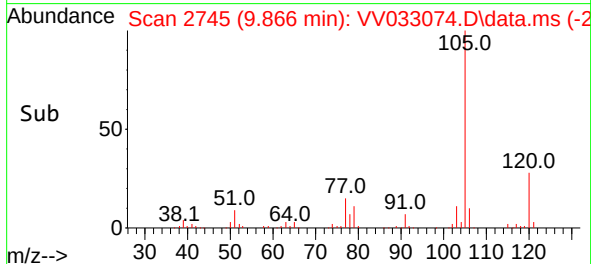
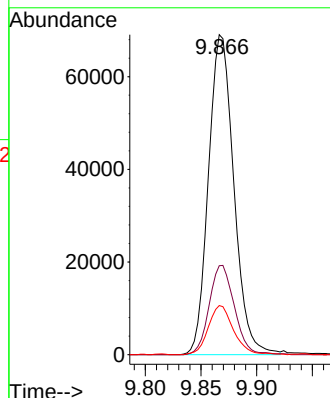
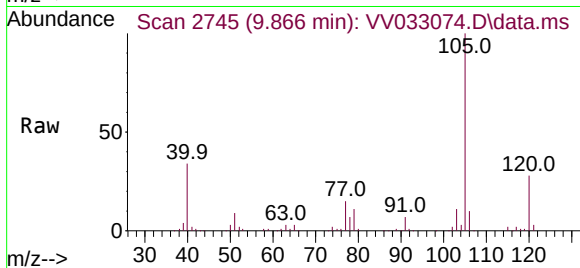




#60
Isopropylbenzene
Concen: 9.925 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

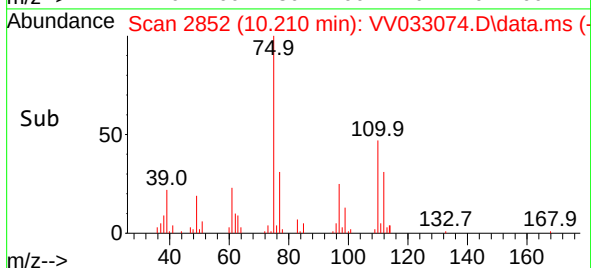
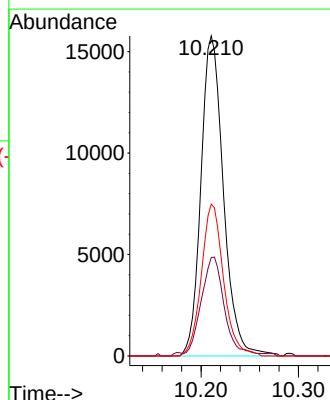
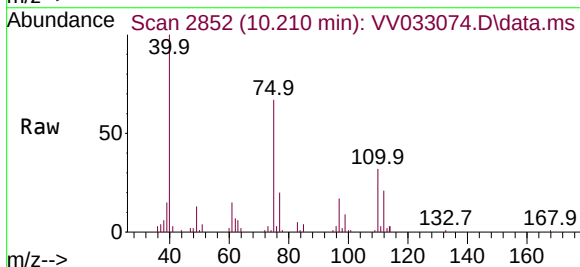
Instrument :
MSVOA_V
ClientSampleId :

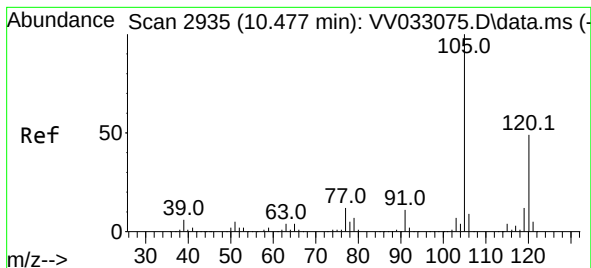
Tgt Ion:105 Resp: 109629
Ion Ratio Lower Upper
105 100
120 27.8 21.3 31.9
77 15.3 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 10.602 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033074.D
Acq: 01 Dec 2023 13:01

Tgt Ion: 75 Resp: 25325
Ion Ratio Lower Upper
75 100
77 30.5 27.0 40.6
110 46.8 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 9.601 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

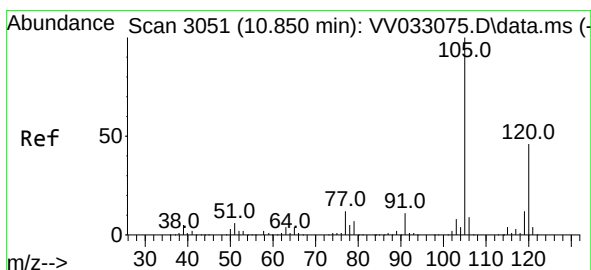
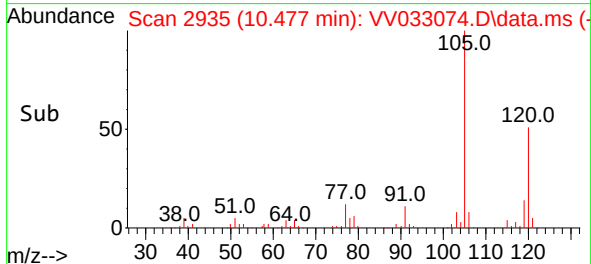
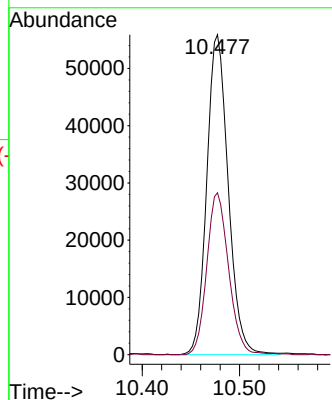
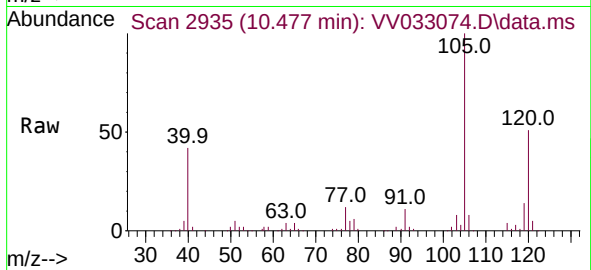
ClientSampleId :

Tgt Ion:105 Resp: 85447

Ion Ratio Lower Upper

105 100

120 51.4 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 9.746 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033074.D

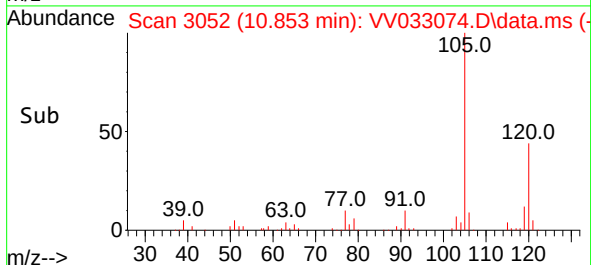
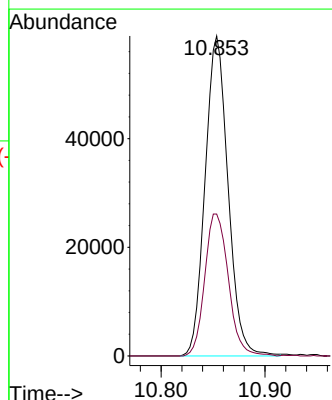
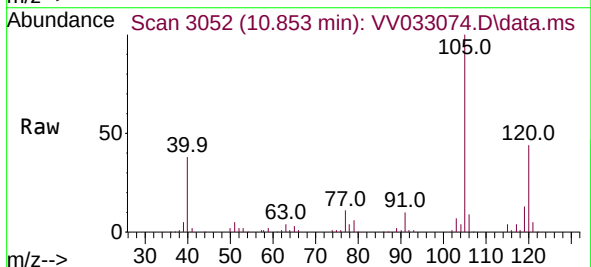
Acq: 01 Dec 2023 13:01

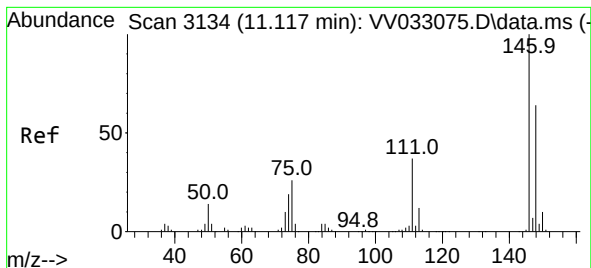
Tgt Ion:105 Resp: 90326

Ion Ratio Lower Upper

105 100

120 45.6 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 10.100 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

ClientSampleId :

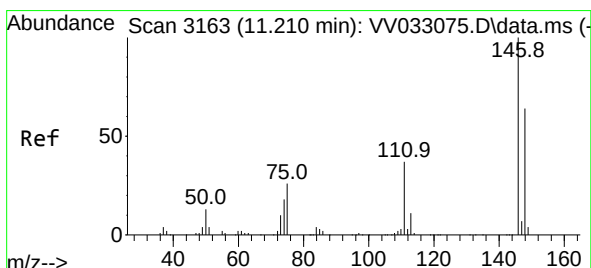
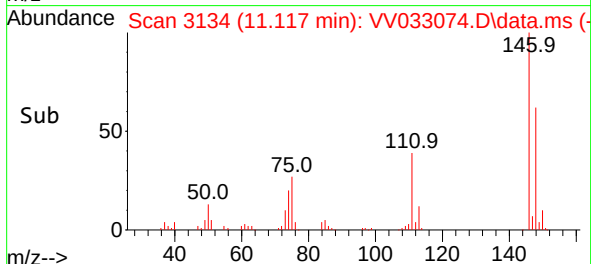
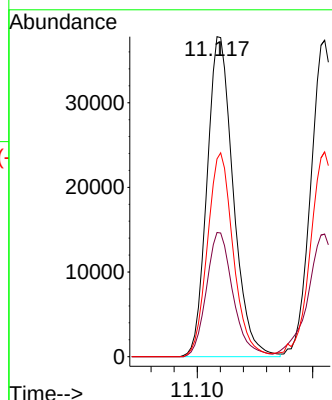
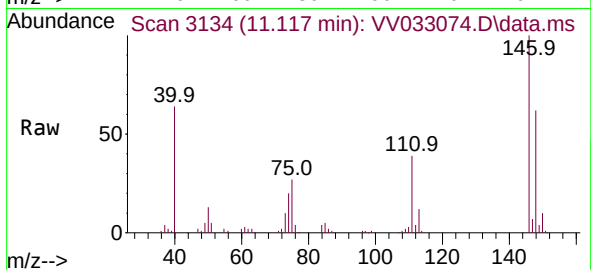
Tgt Ion:146 Resp: 59602

Ion Ratio Lower Upper

146 100

111 38.8 26.2 48.6

148 61.8 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 10.182 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

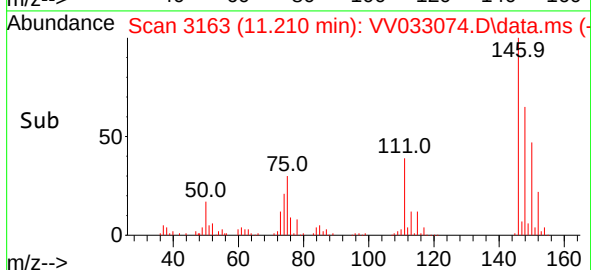
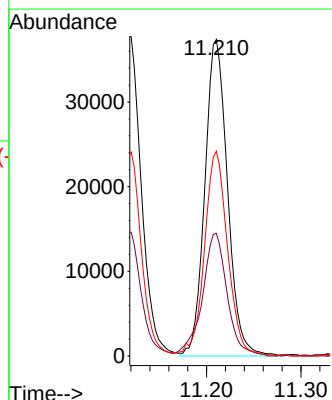
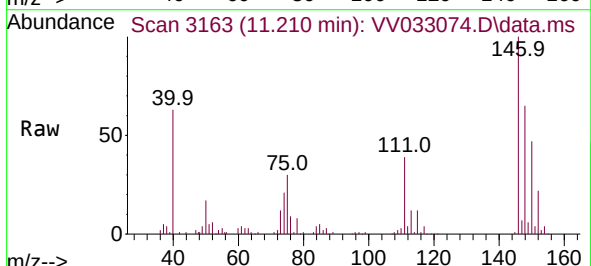
Tgt Ion:146 Resp: 62412

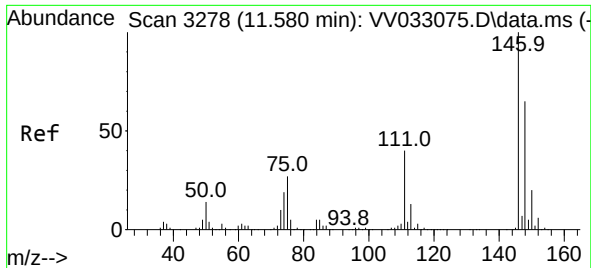
Ion Ratio Lower Upper

146 100

111 38.7 25.9 48.1

148 64.7 44.9 83.5

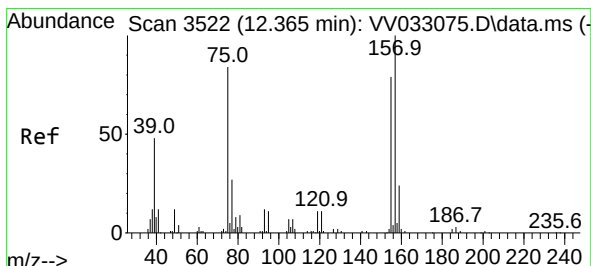
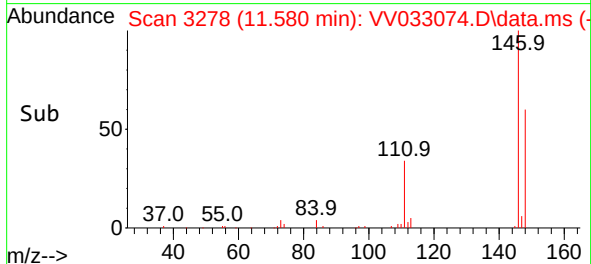
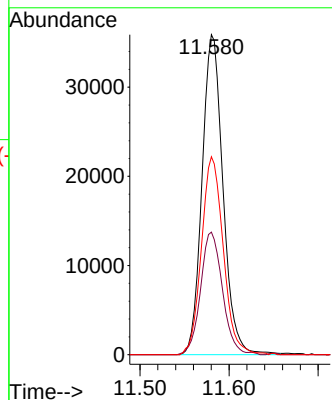
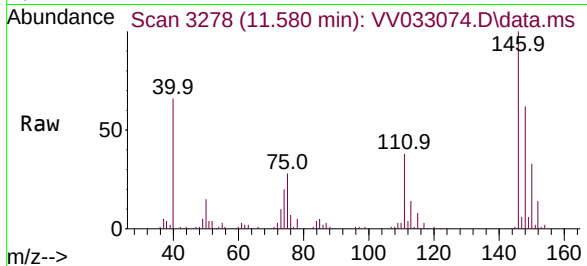




#67
 1,2-Dichlorobenzene
 Concen: 10.144 ug/L
 RT: 11.580 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033074.D
 Acq: 01 Dec 2023 13:01

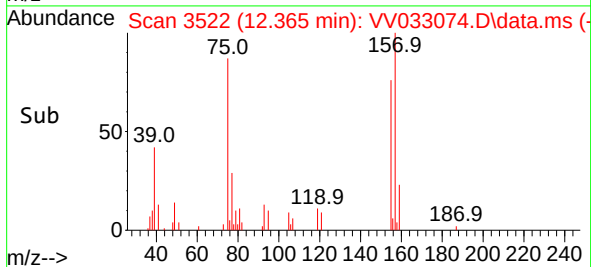
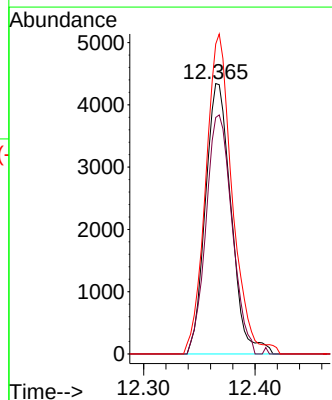
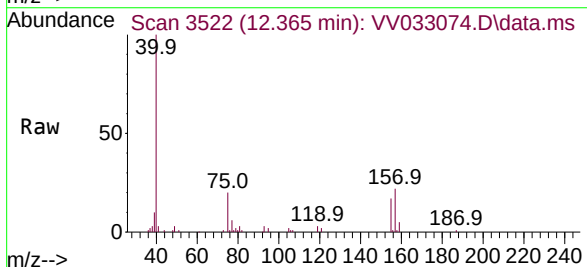
Instrument :
 MSVOA_V
 ClientSampleId :

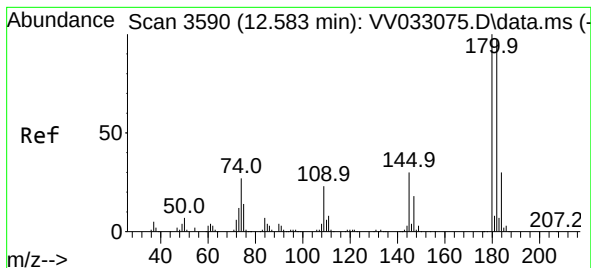
Tgt Ion:146 Resp: 58686
 Ion Ratio Lower Upper
 146 100
 111 38.3 32.4 48.6
 148 61.9 51.8 77.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.489 ug/L
 RT: 12.365 min Scan# 3522
 Delta R.T. 0.000 min
 Lab File: VV033074.D
 Acq: 01 Dec 2023 13:01

Tgt Ion: 75 Resp: 6955
 Ion Ratio Lower Upper
 75 100
 155 87.4 75.8 113.6
 157 114.6 95.4 143.0





#69

1,3,5-Trichlorobenzene

Concen: 9.809 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.000 min

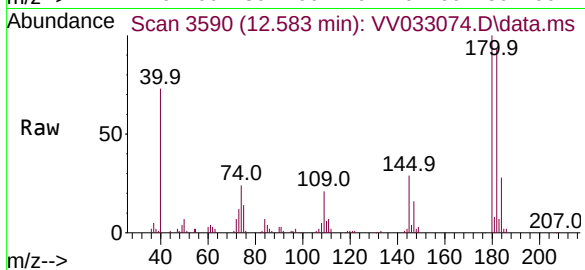
Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 46366

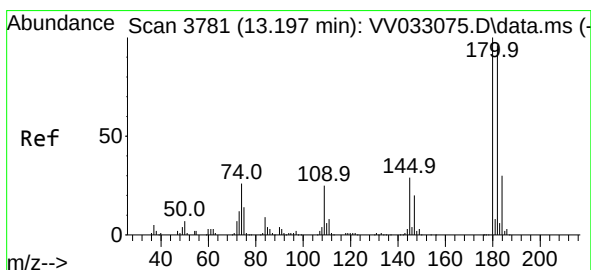
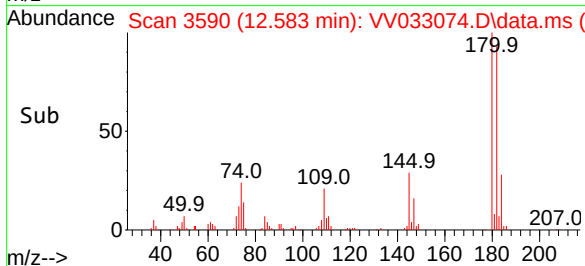
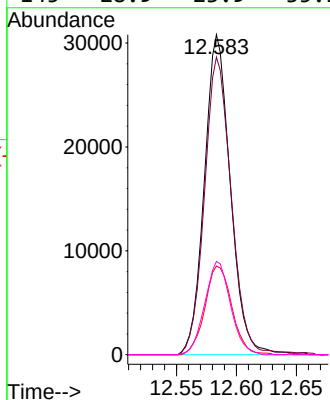
Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.4

184 28.7 24.2 36.4

145 28.9 23.9 35.9



#70

1,2,4-trichlorobenzene

Concen: 9.592 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

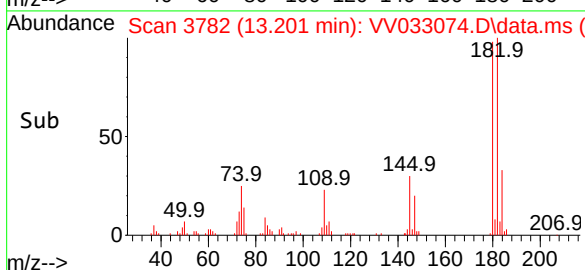
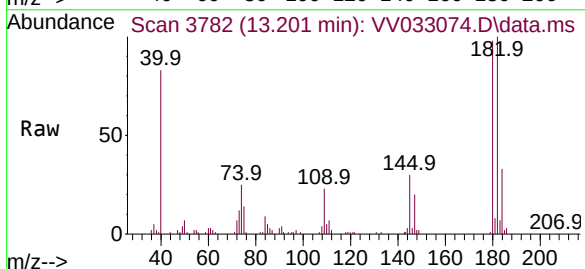
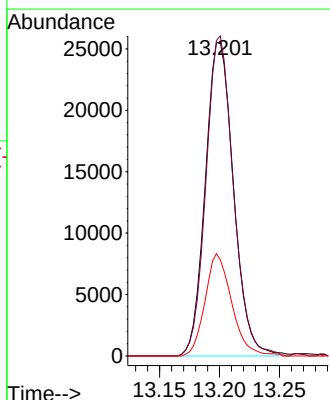
Tgt Ion:180 Resp: 41887

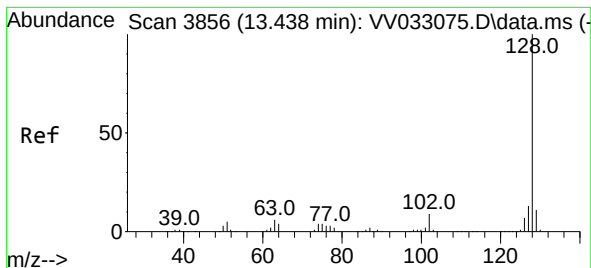
Ion Ratio Lower Upper

180 100

182 99.0 76.3 114.5

145 30.8 23.4 35.0





#71

Naphthalene

Concen: 9.310 ug/L

RT: 13.442 min Scan# 3856

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Instrument :

MSVOA_V

ClientSampleId :

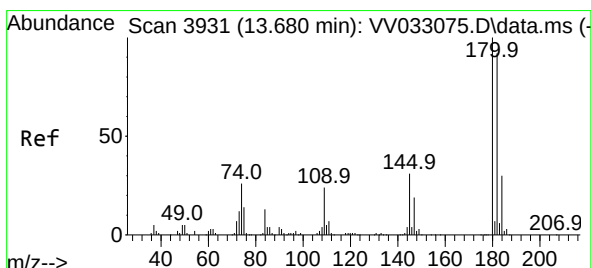
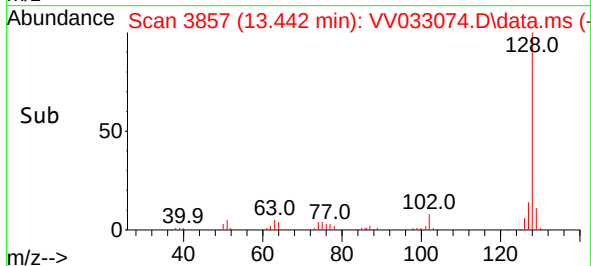
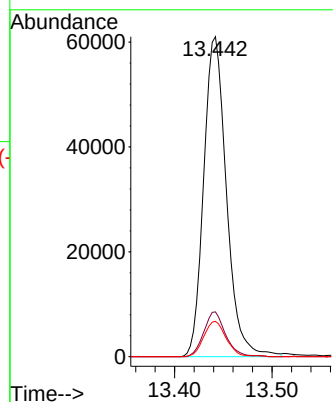
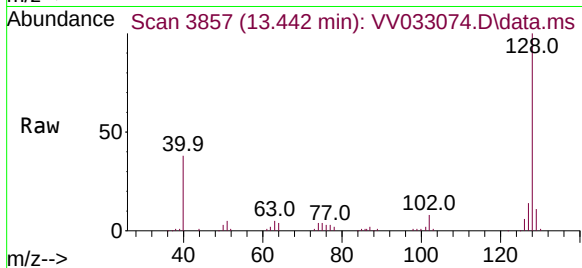
Tgt Ion:128 Resp: 99150

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 10.001 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV033074.D

Acq: 01 Dec 2023 13:01

Tgt Ion:180 Resp: 42143

Ion Ratio Lower Upper

180 100

182 95.9 75.2 112.8

145 31.5 24.9 37.3

