

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011224\
 Data File : VW033585.D
 Acq On : 12 Jan 2024 10:30
 Operator : SY/MD
 Sample : VSTD001
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 12 23:07:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 12 23:05:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	149127	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	135045	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	66742	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	7247	0.800	ug/L	0.00
7) Chloroethane-d5	1.532	69	6513	0.840	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	3804	0.935	ug/L	0.00
20) 2-Butanone-d5	3.896	46	6238	2.754	ug/L	0.06
24) Chloroform-d	4.256	84	15953	0.850	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.957	65	6573	0.774	ug/L	0.00
32) Benzene-d6	4.966	84	29516	0.872	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	9336	0.873	ug/L	0.00
41) Toluene-d8	7.249	98	26365	0.879	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	3018	0.709	ug/L	0.00
46) 2-Hexanone-d5	8.046	63	10448	6.204	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.156	84	5588	0.784	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	9540	0.906	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	14090	1.063	ug/L	98
3) Chloromethane	1.214	50	16744	1.147	ug/L	98
5) Vinyl chloride	1.285	62	15573	1.110	ug/L	99
6) Bromomethane	1.490	94	7816	1.012	ug/L	99
8) Chloroethane	1.552	64	9593	1.113	ug/L	98
9) Trichlorofluoromethane	1.716	101	19402	1.125	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	10924	1.063	ug/L	96
12) 1,1-Dichloroethene	2.069	96	10713	1.135	ug/L	99
13) Acetone	2.137	43	1534	0.798	ug/L	83
14) Carbon disulfide	2.240	76	39890	1.324	ug/L	98
15) Methyl Acetate	2.391	43	3356	0.649	ug/L #	89
16) Methylene chloride	2.445	84	13765	1.176	ug/L	99
17) Methyl tert-butyl Ether	2.706	73	23532	0.929	ug/L	97
18) trans-1,2-Dichloroethene	2.699	96	12186	1.156	ug/L	95
19) 1,1-Dichloroethane	3.114	63	24113	1.064	ug/L	98
21) 2-Butanone	3.944	43	3158	1.219	ug/L	90
22) cis-1,2-Dichloroethene	3.825	96	12472	1.056	ug/L	97
23) Bromochloromethane	4.156	128	4504	0.996	ug/L	97
25) Chloroform	4.278	83	21692	1.029	ug/L	98
27) 1,2-Dichloroethane	5.053	62	12125	0.993	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	20024	1.098	ug/L	99
30) Cyclohexane	4.577	56	24246	1.214	ug/L	98
31) Carbon tetrachloride	4.735	117	16938	1.130	ug/L	95
33) Benzene	5.014	78	49006	1.101	ug/L	100
34) Trichloroethene	5.838	95	13525	1.135	ug/L	97
35) Methylcyclohexane	6.050	83	22119	1.150	ug/L	98
37) 1,2-Dichloropropane	6.098	63	11448	0.982	ug/L	98
38) Bromodichloromethane	6.436	83	14285	0.999	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	16418	0.945	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	51403	8.415	ug/L	99
42) Toluene	7.320	91	51836	1.092	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	13319	0.986	ug/L	93

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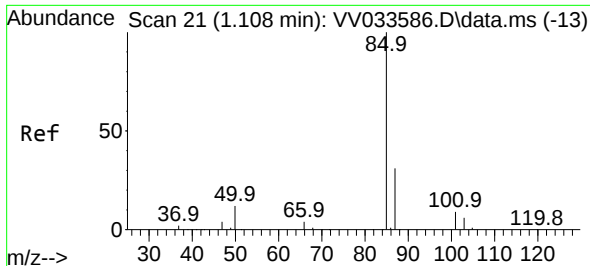
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 12 23:07:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 12 23:05:58 2024
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	7.776	97	6667	0.960	ug/L	97
47) Tetrachloroethene	7.905	164	9161	1.085	ug/L	95
48) 2-Hexanone	8.091	43	32369	7.227	ug/L	92
49) Dibromochloromethane	8.178	129	8168	0.998	ug/L	99
50) 1,2-Dibromoethane	8.291	107	6013	0.933	ug/L	88
51) Chlorobenzene	8.815	112	31446	1.066	ug/L	97
52) Ethylbenzene	8.947	91	60689	1.092	ug/L	99
53) m,p-Xylene	9.075	106	22033	1.074	ug/L	99
54) o-Xylene	9.481	106	21735	1.086	ug/L	96
55) Styrene	9.500	104	33386	1.010	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	6975	0.911	ug/L	97
59) Bromoform	9.670	173	3996	0.961	ug/L #	96
60) Isopropylbenzene	9.870	105	55620	1.053	ug/L	98
61) 1,2,3-Trichloropropane	10.214	75	5283	0.958	ug/L	94
62) 1,3,5-Trimethylbenzene	10.477	105	47012	1.050	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	47022	1.060	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	23578	1.040	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	23414	1.019	ug/L	94
67) 1,2-Dichlorobenzene	11.580	146	20223	1.019	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	999	0.783	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	17311	0.993	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	13777	0.947	ug/L	98
71) Naphthalene	13.445	128	22239	1.105	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	11282	0.990	ug/L	99

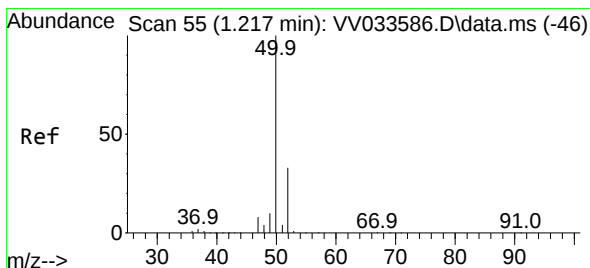
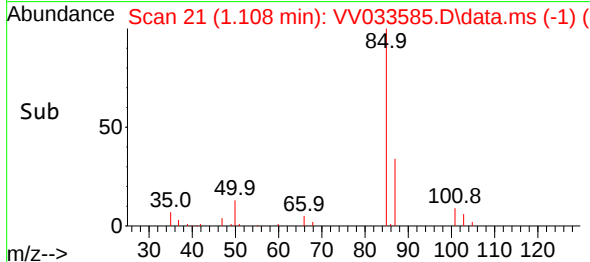
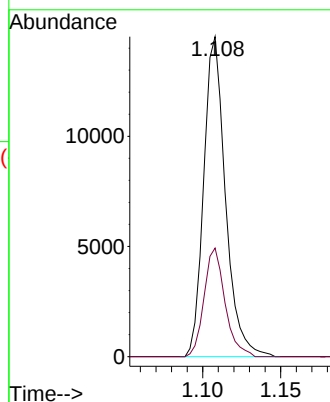
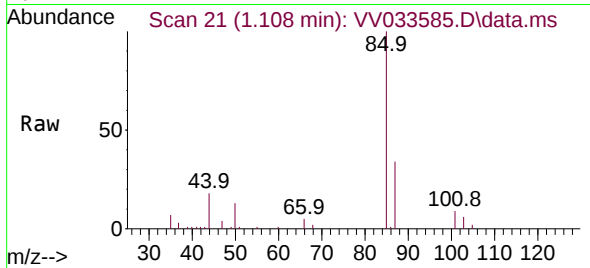
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 1.063 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

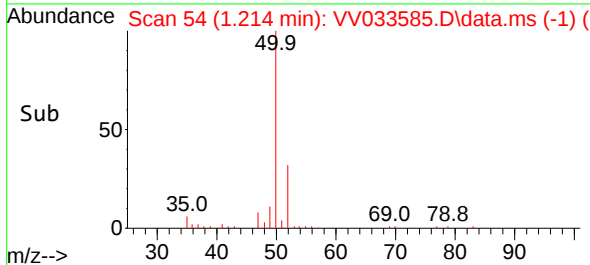
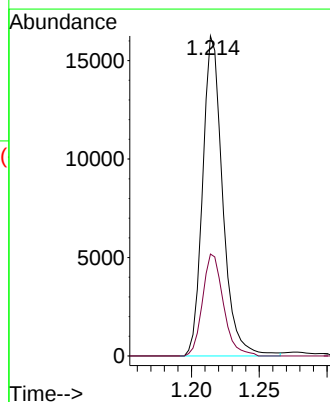
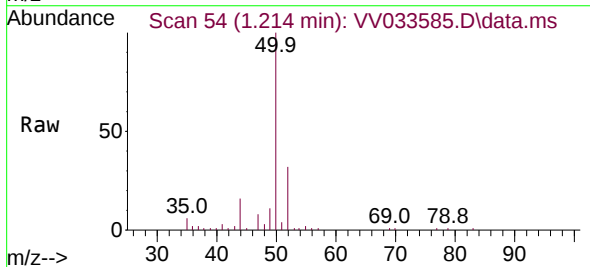
Instrument :
 MSVOA_V
 ClientSampleId :

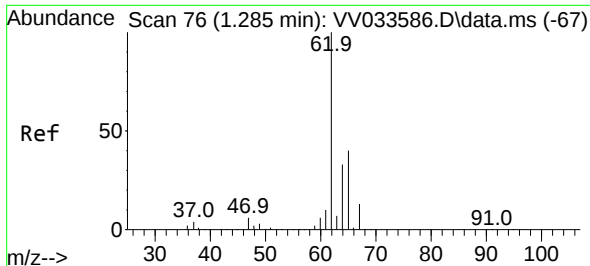
Tgt Ion: 85 Resp: 14090
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.2 37.8



#3
 Chloromethane
 Concen: 1.147 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

Tgt Ion: 50 Resp: 16744
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.1 42.9

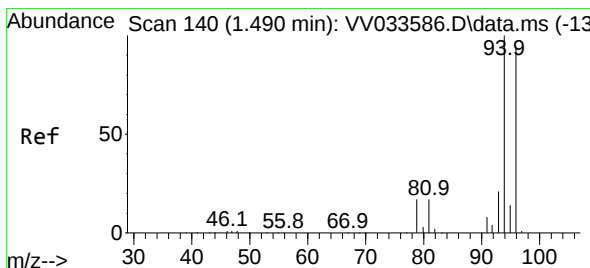
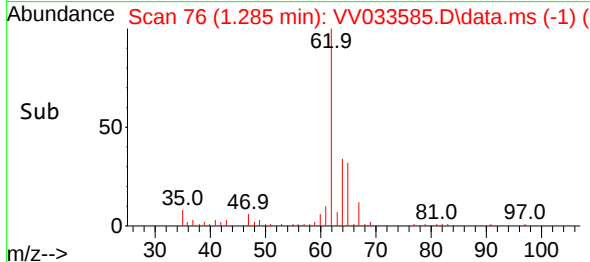
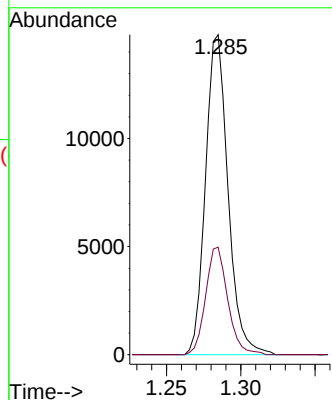
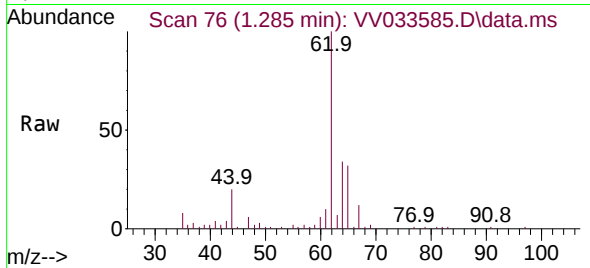




#5
 Vinyl chloride
 Concen: 1.110 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

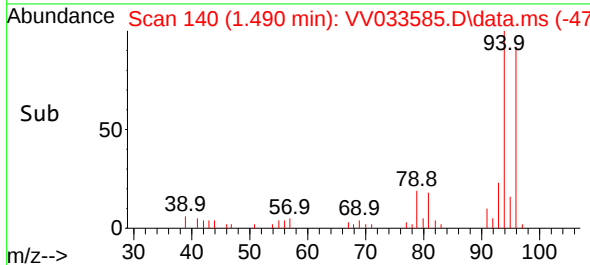
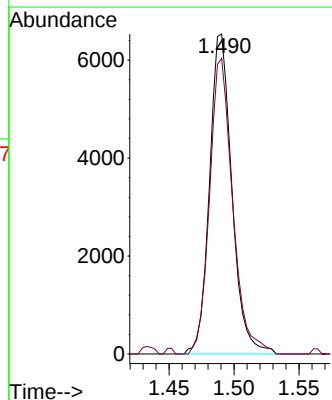
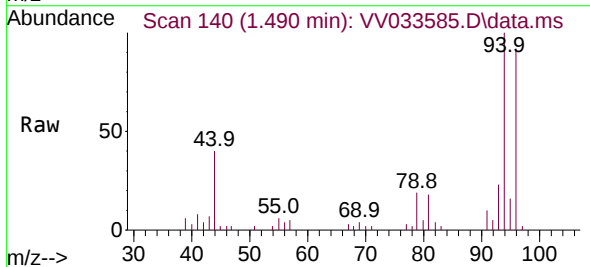
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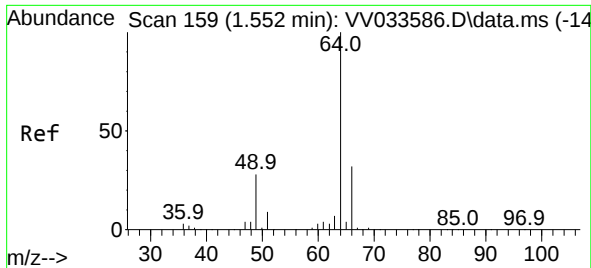
Tgt Ion: 62 Resp: 15573
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.0 42.8



#6
 Bromomethane
 Concen: 1.012 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

Tgt Ion: 94 Resp: 7816
 Ion Ratio Lower Upper
 94 100
 96 92.4 65.5 121.6

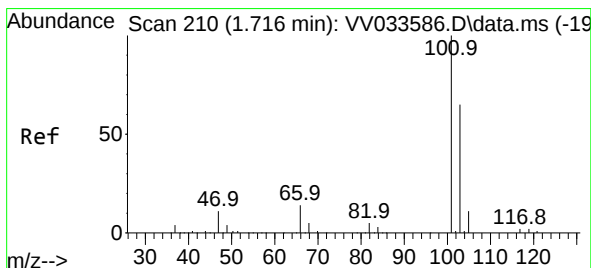
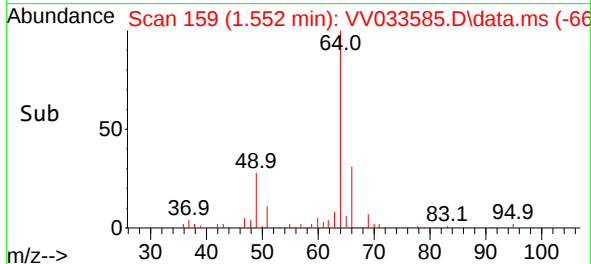
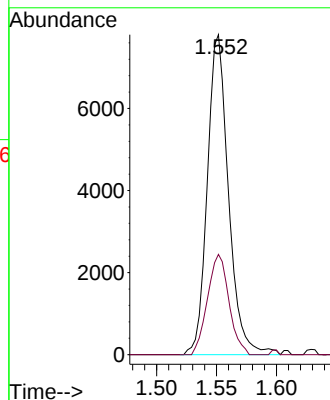
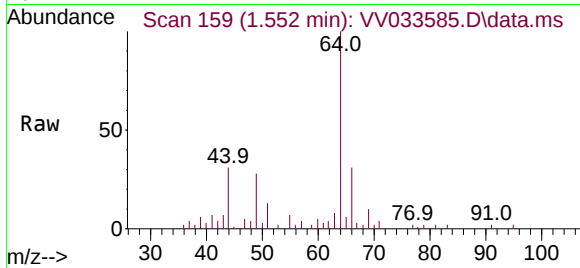




#8
Chloroethane
Concen: 1.113 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

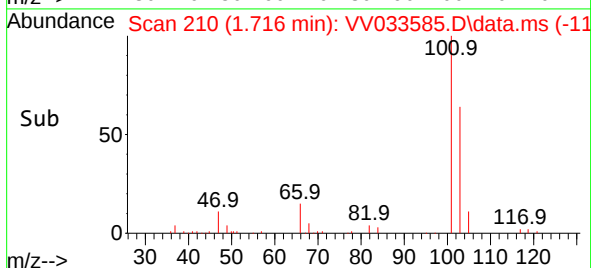
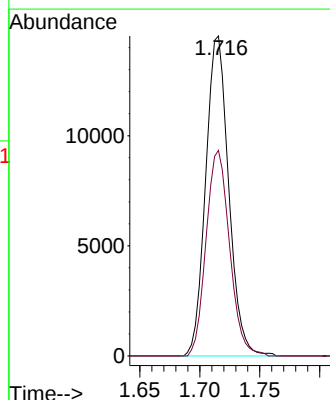
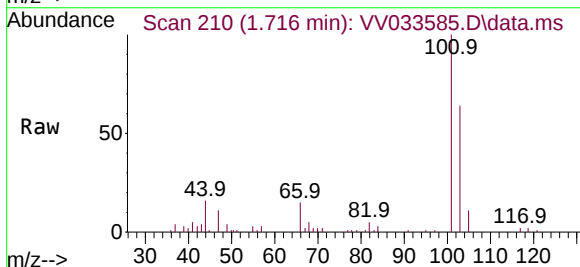
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ClientSampleId :

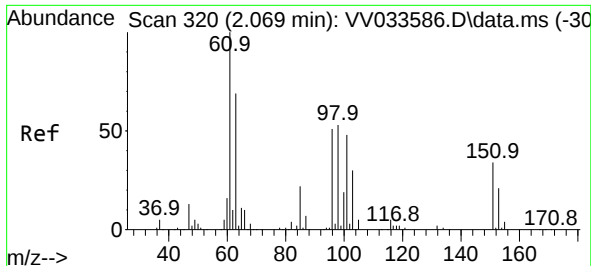
Tgt Ion: 64 Resp: 9593
Ion Ratio Lower Upper
64 100
66 31.4 22.6 42.0



#9
Trichlorofluoromethane
Concen: 1.125 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

Tgt Ion:101 Resp: 19402
Ion Ratio Lower Upper
101 100
103 65.5 52.1 78.1

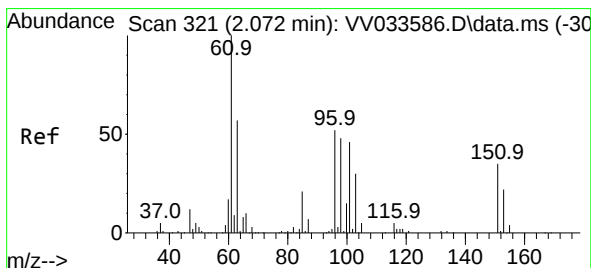
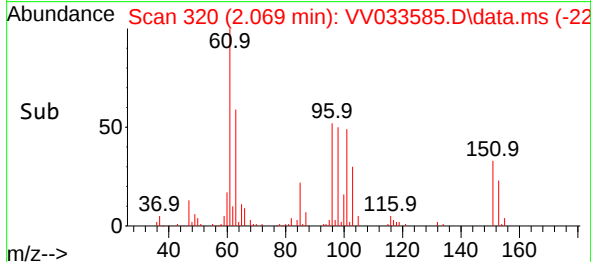
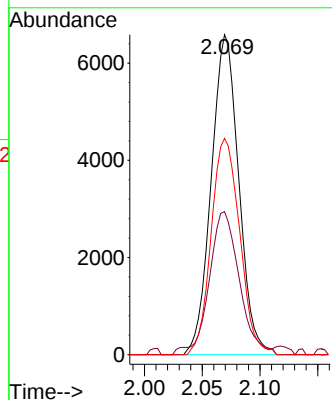
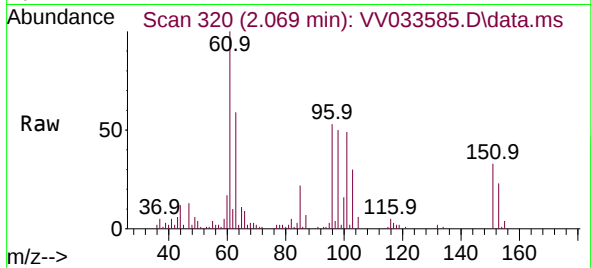




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.063 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

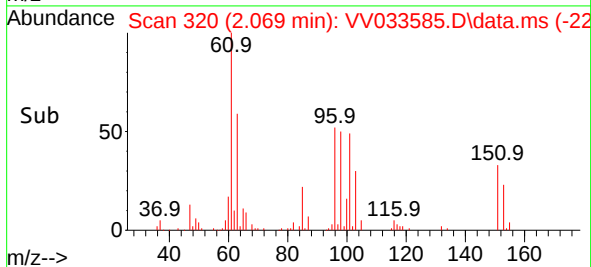
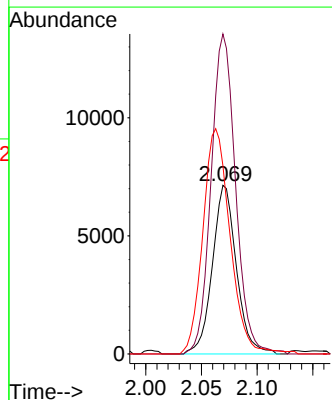
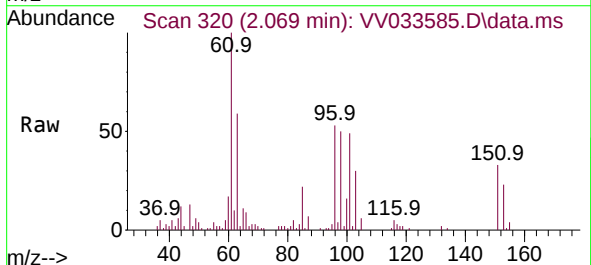
Instrument :
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 ClientSampleId :

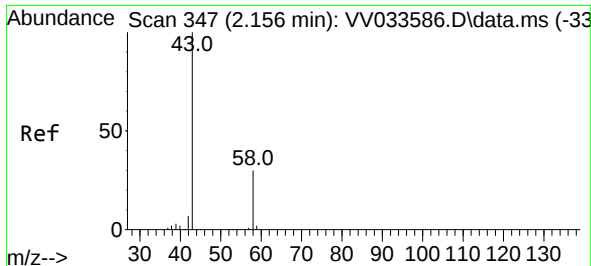
Tgt Ion:101 Resp: 10924
 Ion Ratio Lower Upper
 101 100
 85 48.5 36.4 54.6
 151 70.0 58.1 87.1



#12
 1,1-Dichloroethene
 Concen: 1.135 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

Tgt Ion: 96 Resp: 10713
 Ion Ratio Lower Upper
 96 100
 61 189.8 133.8 248.4
 63 111.7 77.2 143.4





#13

Acetone

Concen: 0.798 ug/L

RT: 2.137 min Scan# 34

Delta R.T. -0.019 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

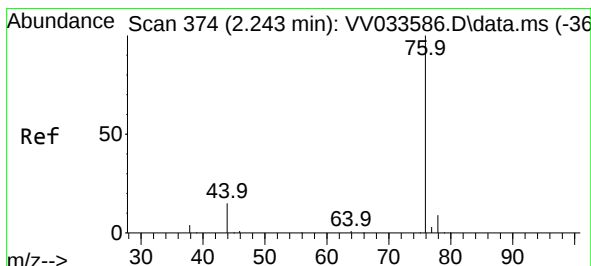
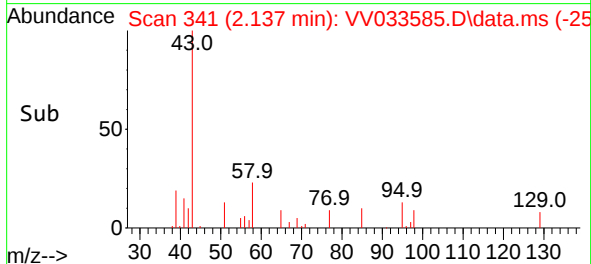
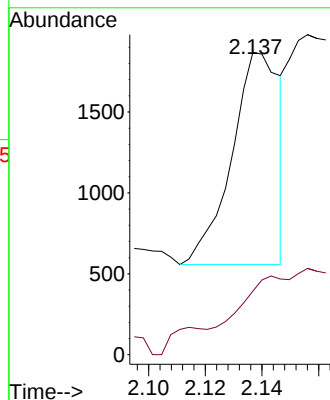
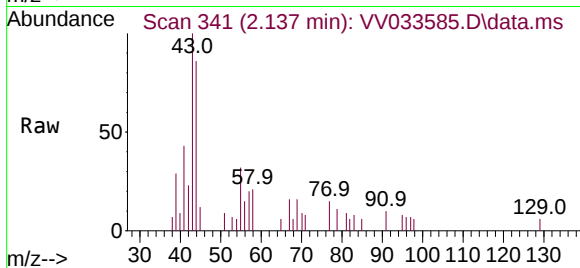
ClientSampleId :

Tgt Ion: 43 Resp: 1534

Ion Ratio Lower Upper

43 100

58 34.1 0.0 51.0



#14

Carbon disulfide

Concen: 1.324 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033585.D

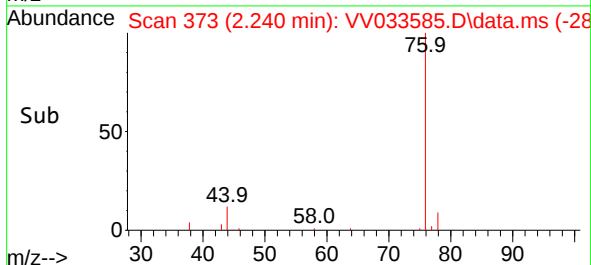
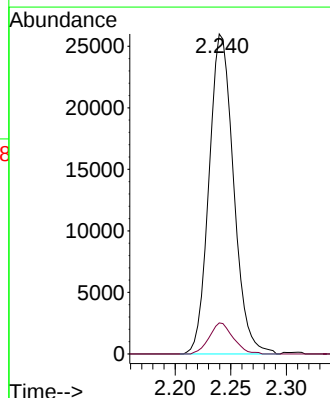
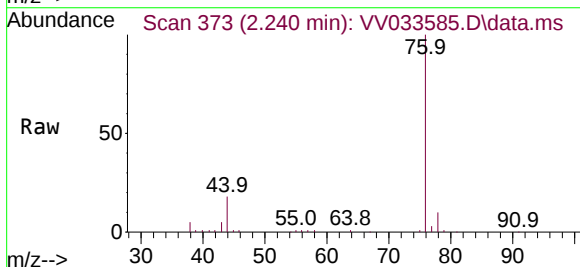
Acq: 12 Jan 2024 10:30

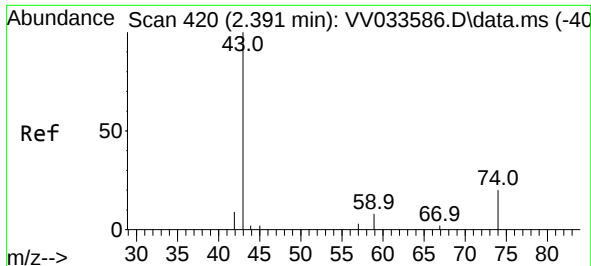
Tgt Ion: 76 Resp: 39890

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7





#15

Methyl Acetate

Concen: 0.649 ug/L

RT: 2.391 min Scan# 431

Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

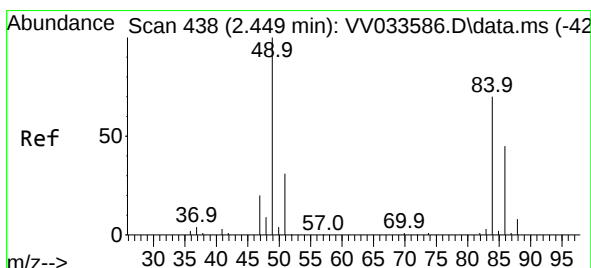
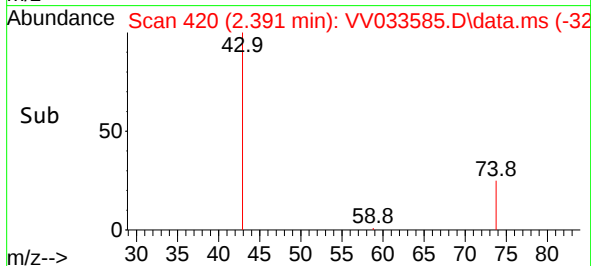
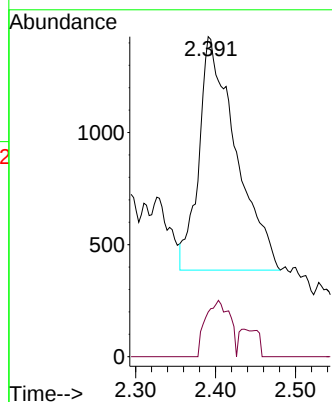
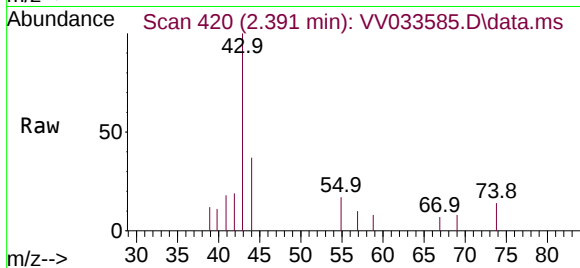
ClientSampleId :

Tgt Ion: 43 Resp: 3356

Ion Ratio Lower Upper

43 100

74 15.5 16.6 24.8#



#16

Methylene chloride

Concen: 1.176 ug/L

RT: 2.445 min Scan# 437

Delta R.T. -0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

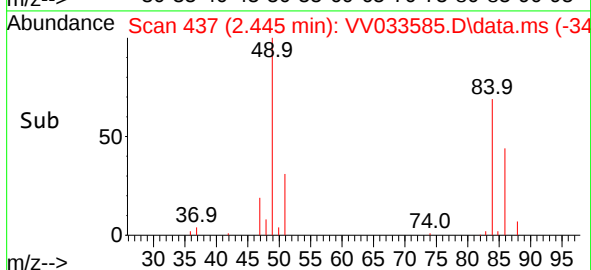
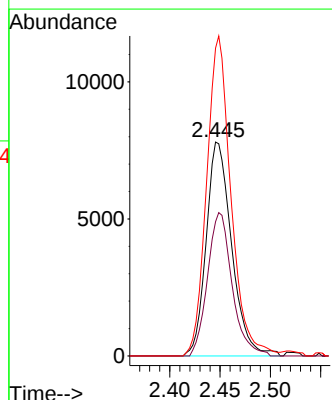
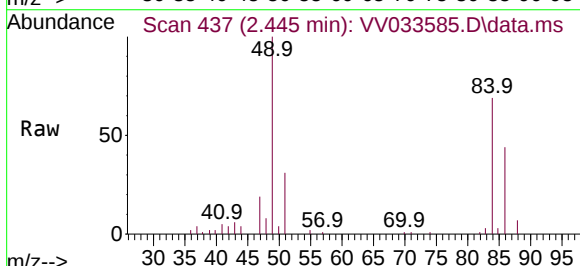
Tgt Ion: 84 Resp: 13765

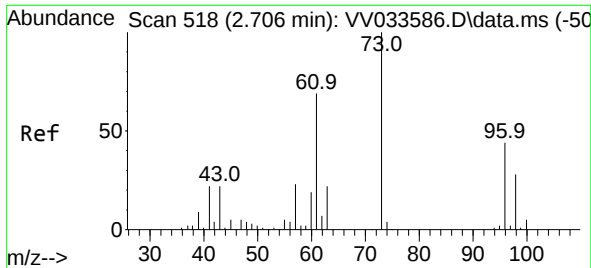
Ion Ratio Lower Upper

84 100

86 62.8 45.5 84.5

49 143.9 100.3 186.3

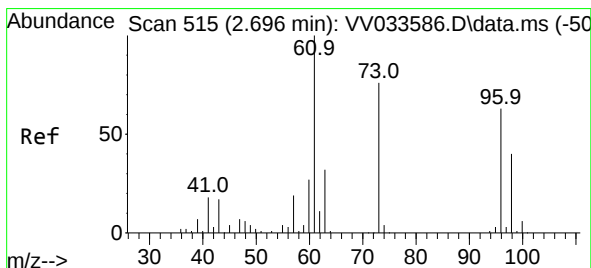
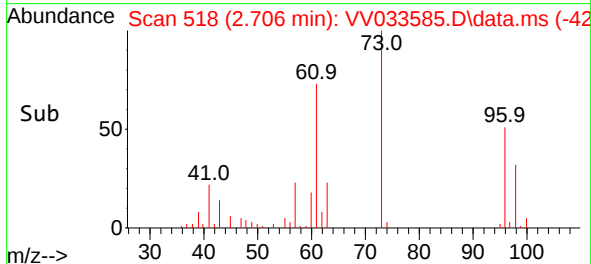
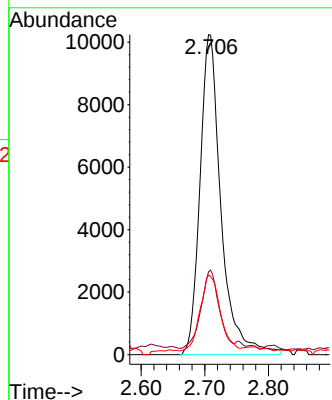
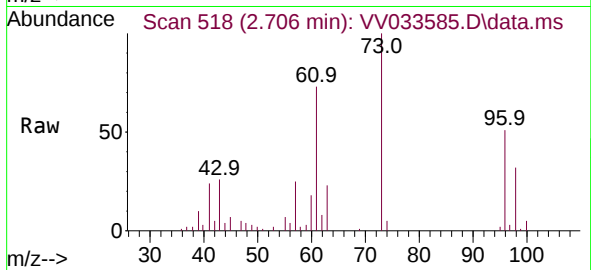




#17
Methyl tert-butyl Ether
Concen: 0.929 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

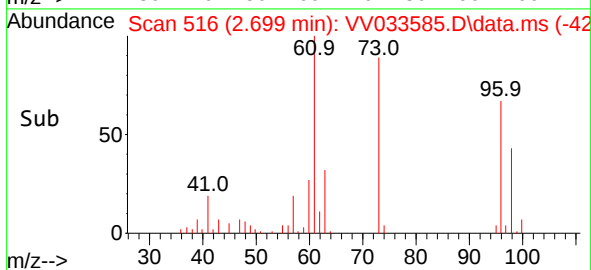
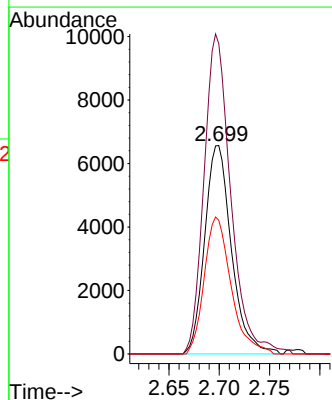
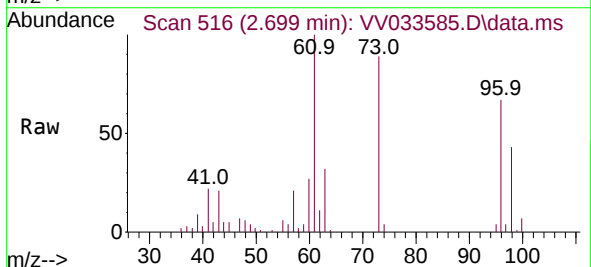
Instrument :
MSVOA_V
ClientSampleId :

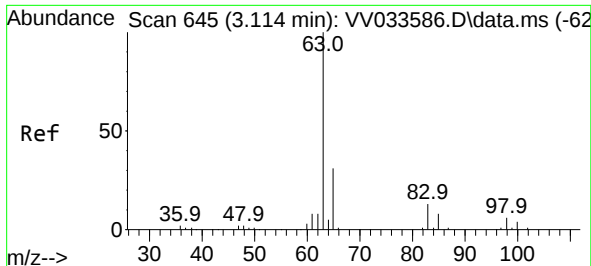
Tgt Ion: 73	Resp: 23532
Ion Ratio	Lower Upper
73 100	
43 21.0	17.7 26.5
57 22.4	19.5 29.3



#18
trans-1,2-Dichloroethene
Concen: 1.156 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

Tgt Ion: 96	Resp: 12186
Ion Ratio	Lower Upper
96 100	
61 148.8	110.4 205.0
98 64.1	44.1 81.9





#19

1,1-Dichloroethane

Concen: 1.064 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

ClientSampleId :

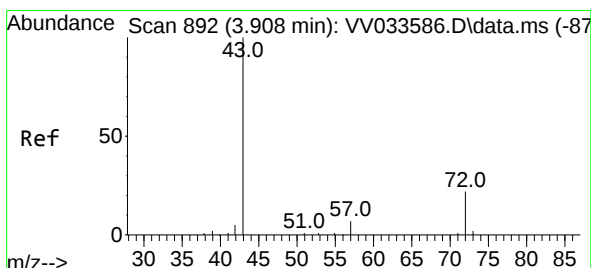
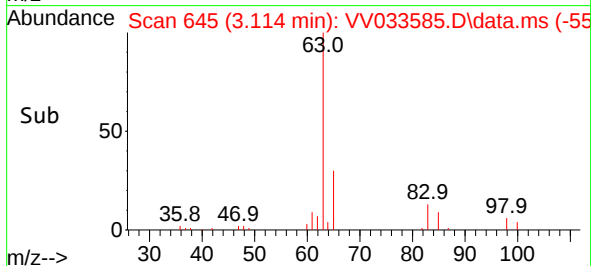
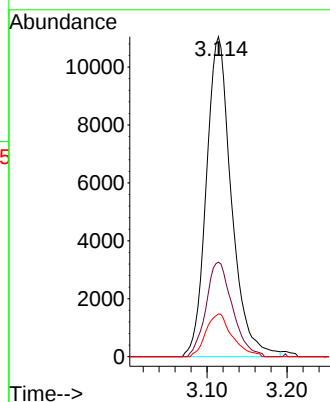
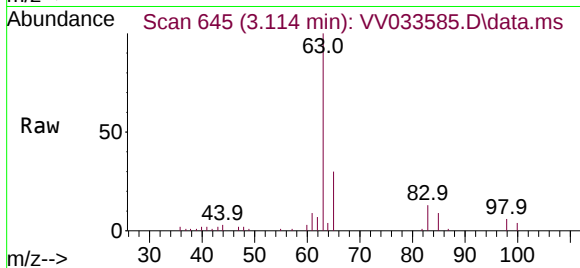
Tgt Ion: 63 Resp: 24113

Ion Ratio Lower Upper

63 100

65 29.6 21.6 40.2

83 13.4 9.1 16.9



#21

2-Butanone

Concen: 1.219 ug/L

RT: 3.944 min Scan# 903

Delta R.T. 0.035 min

Lab File: VV033585.D

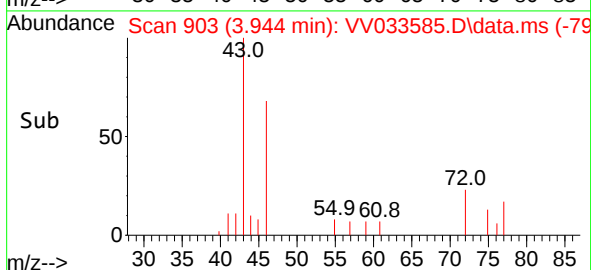
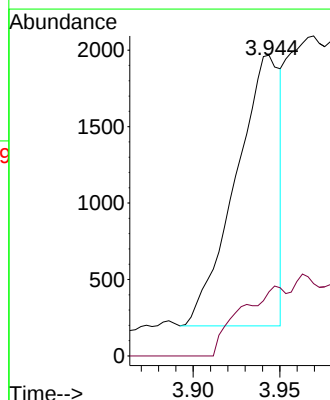
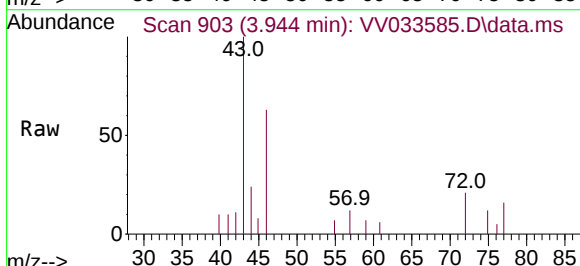
Acq: 12 Jan 2024 10:30

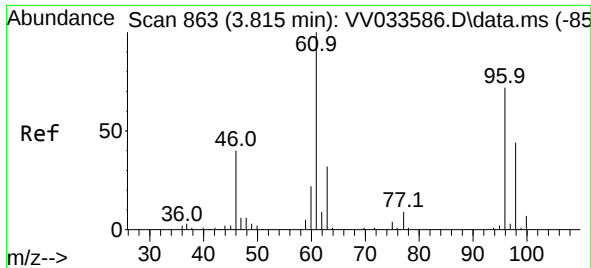
Tgt Ion: 43 Resp: 3158

Ion Ratio Lower Upper

43 100

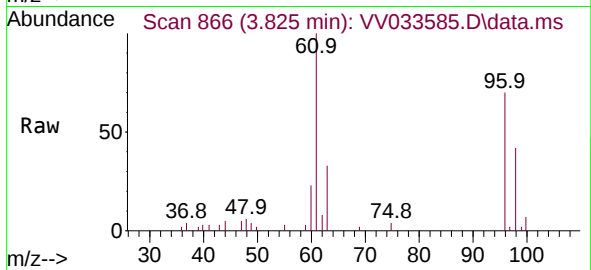
72 26.0 10.5 31.6





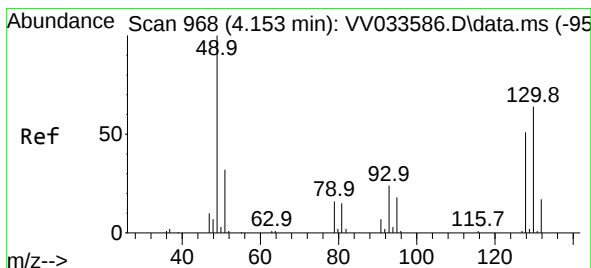
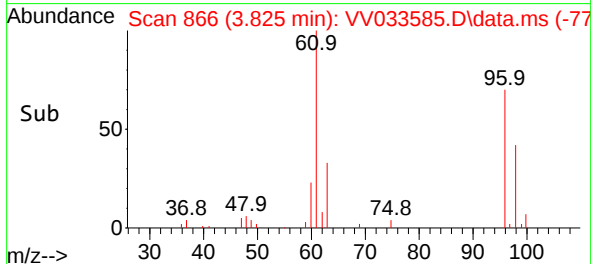
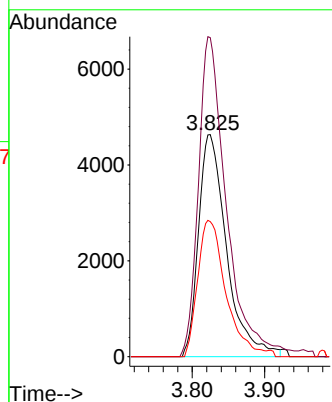
#22
 cis-1,2-Dichloroethene
 Concen: 1.056 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.010 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 12472

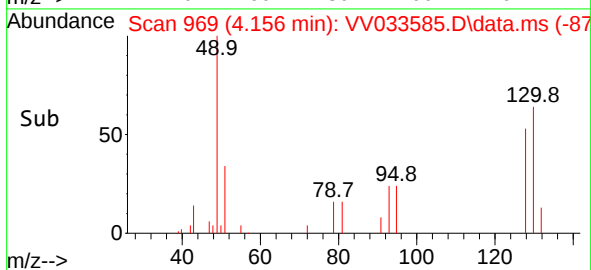
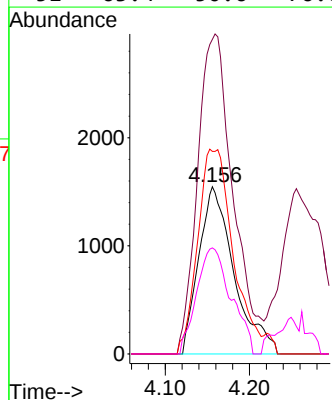
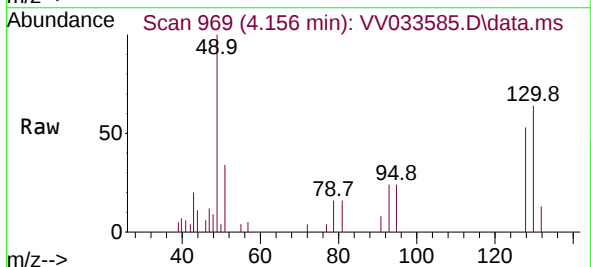
Ion	Ratio	Lower	Upper
96	100		
61	143.7	97.1	180.3
98	60.8	42.6	79.0

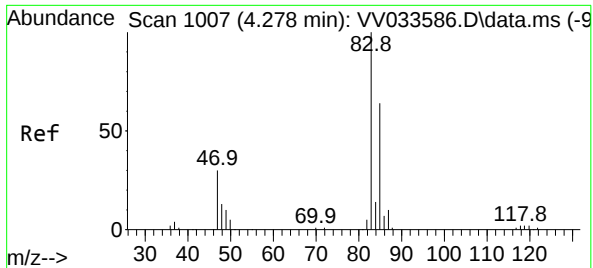


#23
 Bromochloromethane
 Concen: 0.996 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.003 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

Tgt Ion: 128 Resp: 4504

Ion	Ratio	Lower	Upper
128	100		
49	188.0	136.4	253.2
130	121.1	87.5	162.5
51	63.4	50.6	76.0

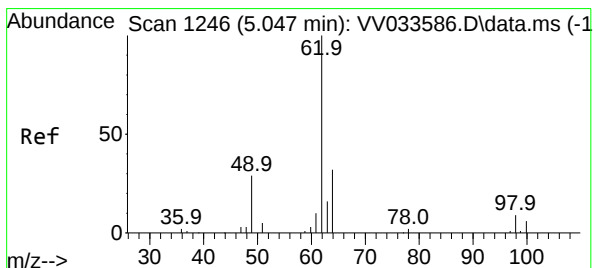
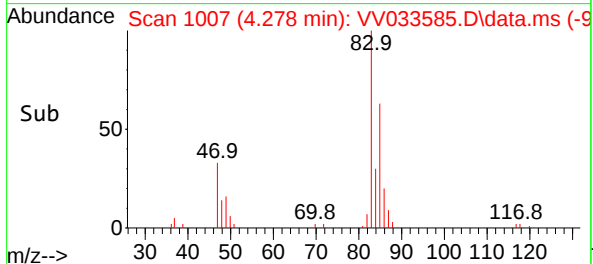
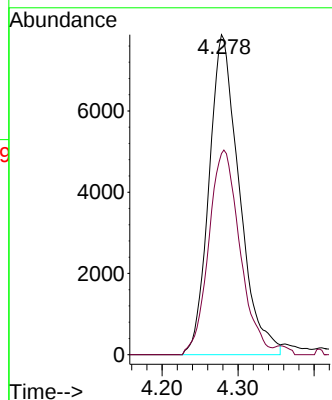
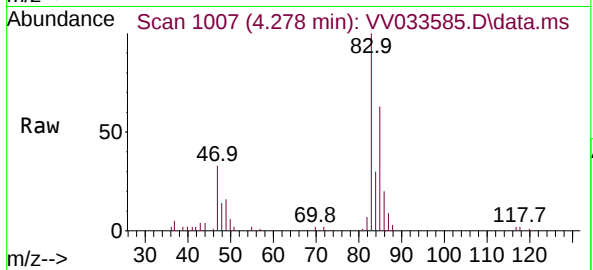




#25
Chloroform
Concen: 1.029 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

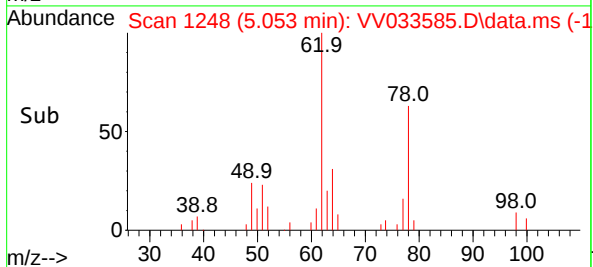
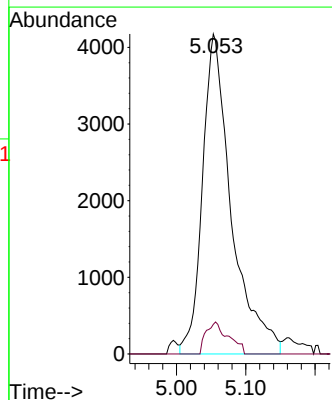
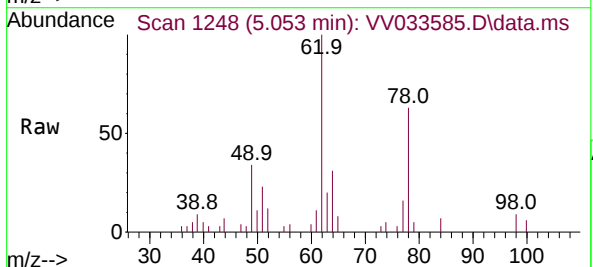
Instrument :
MSVOA_V
ClientSampleId :

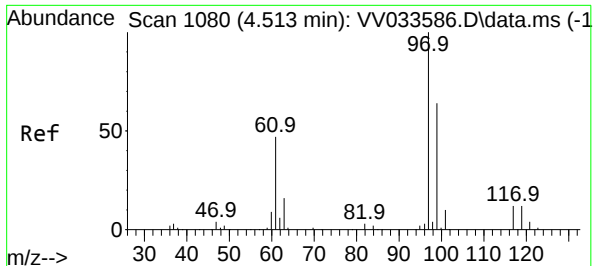
Tgt Ion: 83 Resp: 21692
Ion Ratio Lower Upper
83 100
85 62.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.993 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

Tgt Ion: 62 Resp: 12125
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 1.098 ug/L

RT: 4.513 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

ClientSampleId :

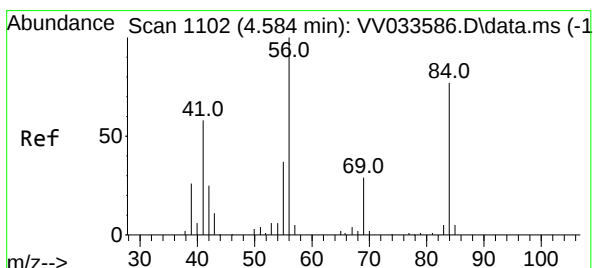
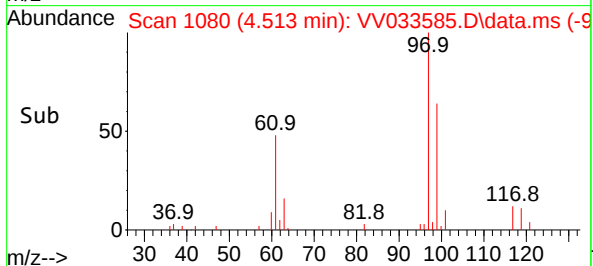
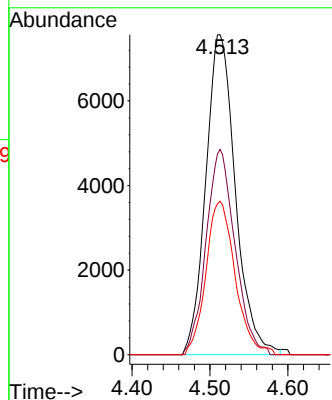
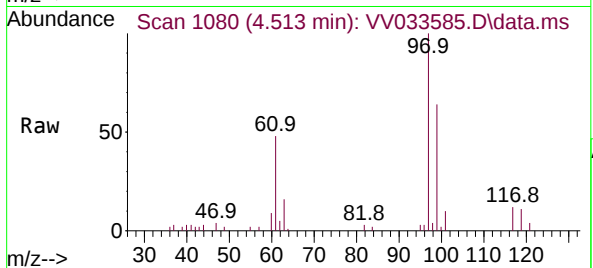
Tgt Ion: 97 Resp: 20024

Ion Ratio Lower Upper

97 100

99 62.6 50.8 76.2

61 47.3 38.1 57.1



#30

Cyclohexane

Concen: 1.214 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.006 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

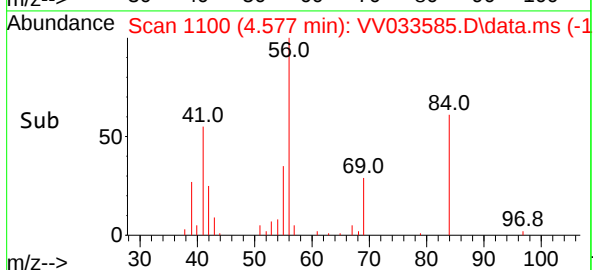
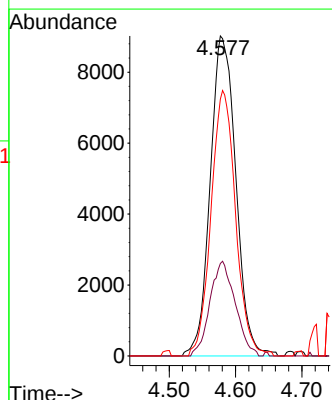
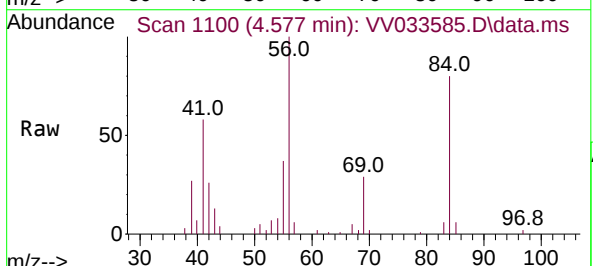
Tgt Ion: 56 Resp: 24246

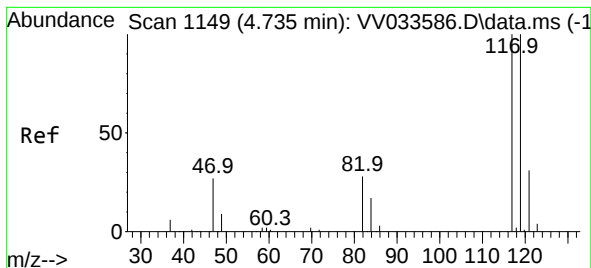
Ion Ratio Lower Upper

56 100

69 29.2 23.3 34.9

84 79.4 61.7 92.5





#31

Carbon tetrachloride

Concen: 1.130 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

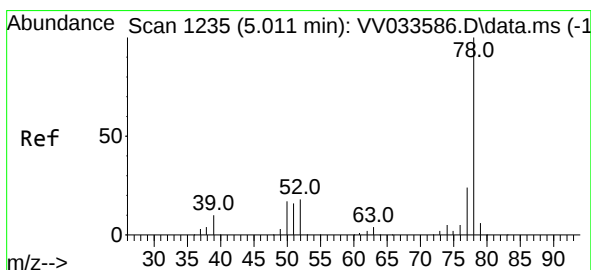
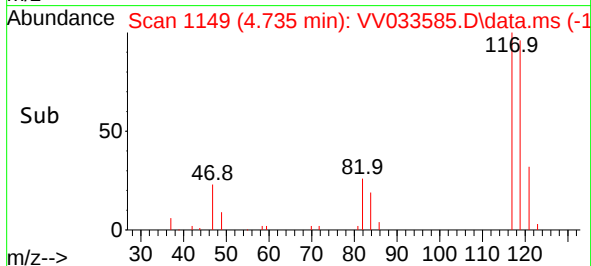
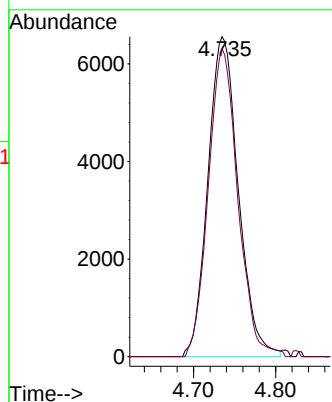
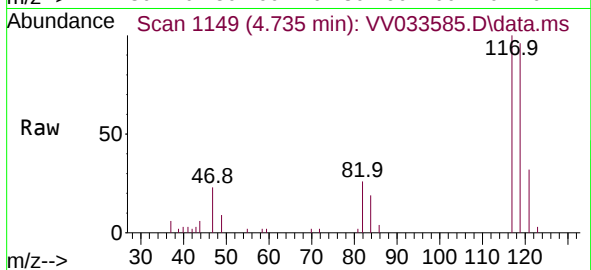
ClientSampleId :

Tgt Ion:117 Resp: 16938

Ion Ratio Lower Upper

117 100

119 93.1 78.3 117.5



#33

Benzene

Concen: 1.101 ug/L

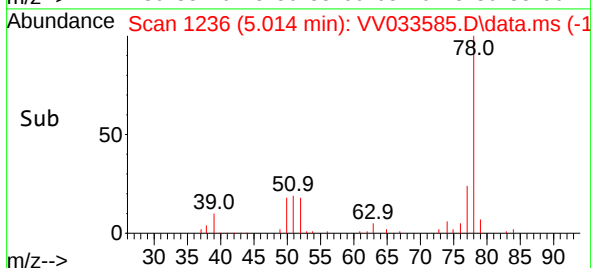
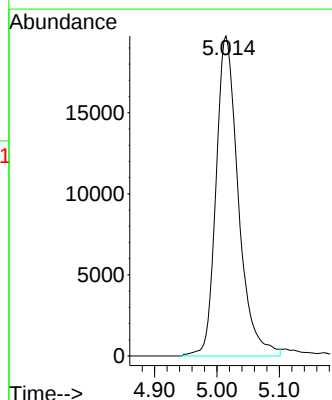
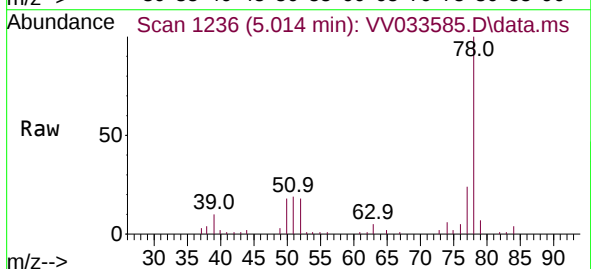
RT: 5.014 min Scan# 1236

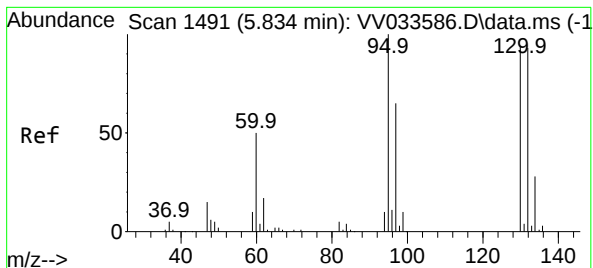
Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Tgt Ion: 78 Resp: 49006





#34

Trichloroethene

Concen: 1.135 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 13525

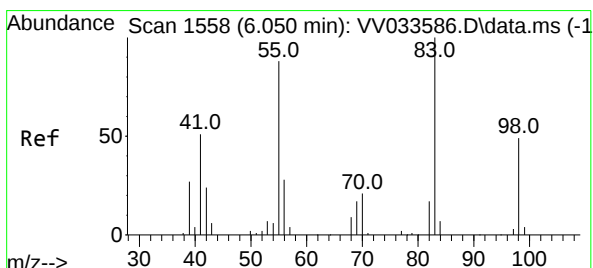
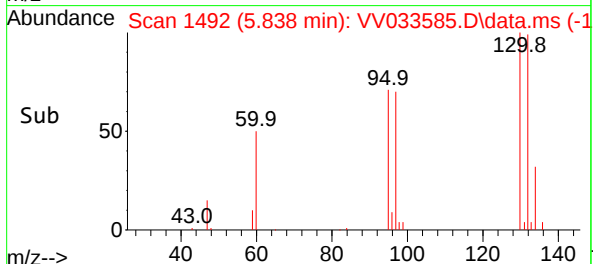
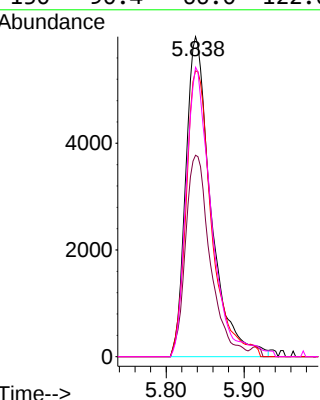
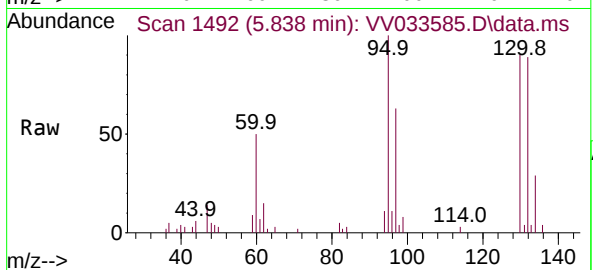
Ion Ratio Lower Upper

95 100

97 62.9 45.1 83.9

132 89.3 65.2 121.2

130 90.4 66.0 122.6



#35

Methylcyclohexane

Concen: 1.150 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

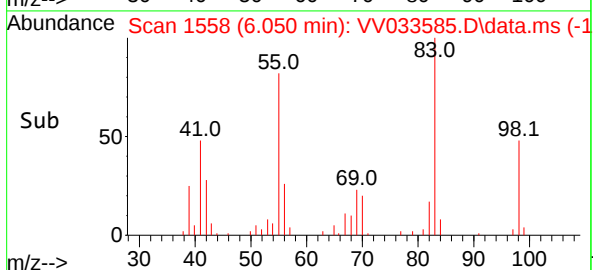
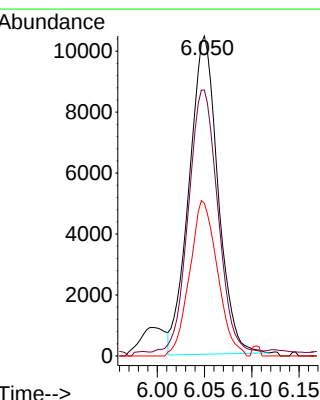
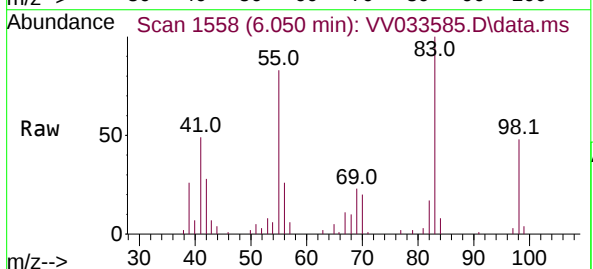
Tgt Ion: 83 Resp: 22119

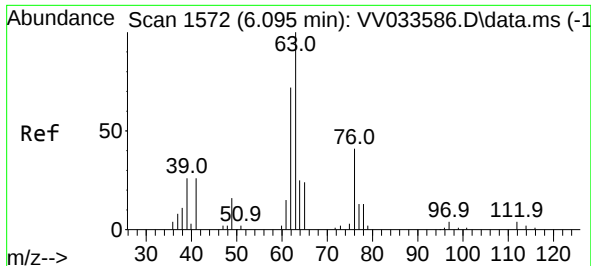
Ion Ratio Lower Upper

83 100

55 83.6 68.7 103.1

98 47.0 38.3 57.5





#37

1,2-Dichloropropane

Concen: 0.982 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

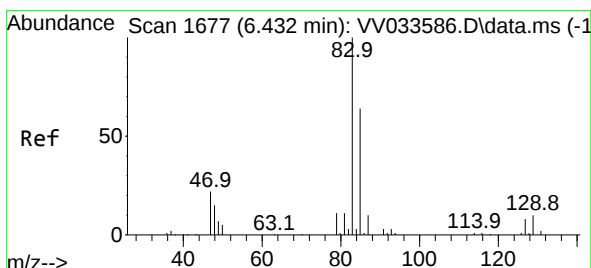
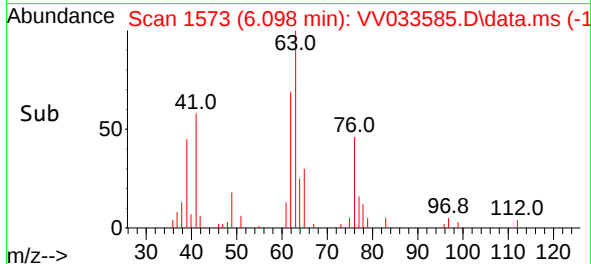
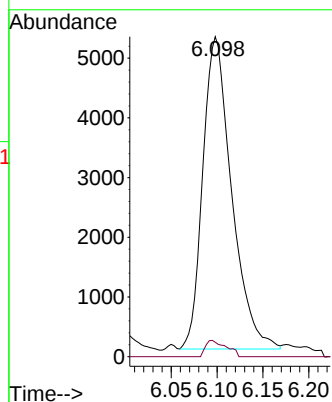
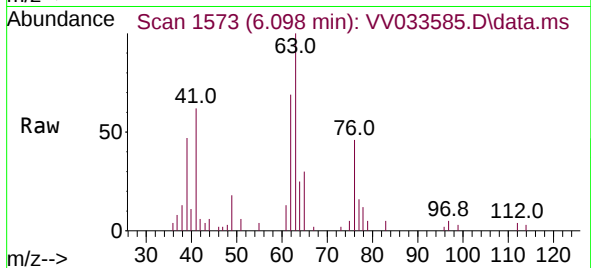
ClientSampleId :

Tgt Ion: 63 Resp: 11448

Ion Ratio Lower Upper

63 100

112 3.7 3.4 5.2



#38

Bromodichloromethane

Concen: 0.999 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

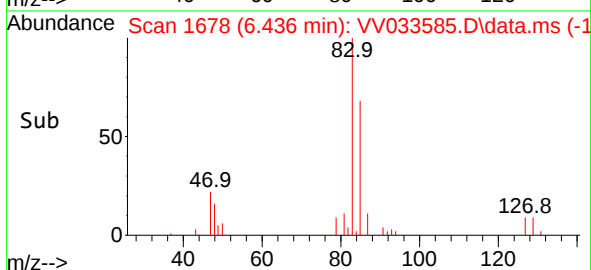
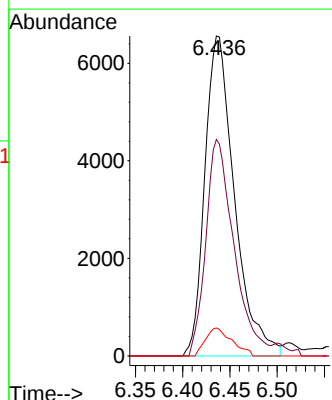
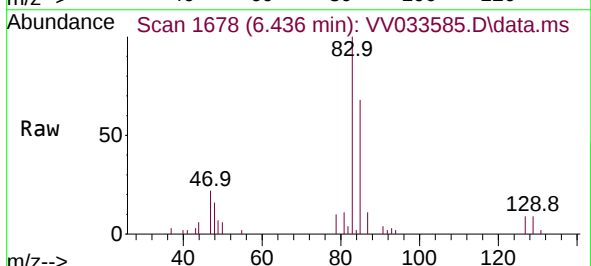
Tgt Ion: 83 Resp: 14285

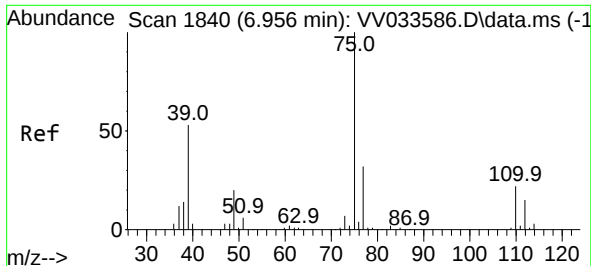
Ion Ratio Lower Upper

83 100

85 67.7 45.1 83.9

127 8.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.945 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

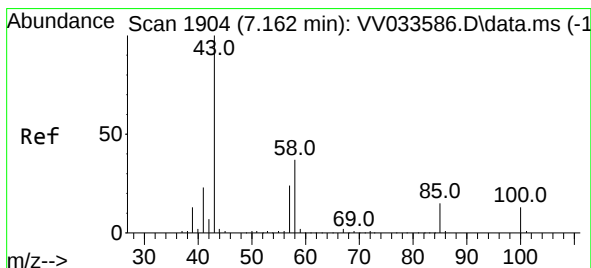
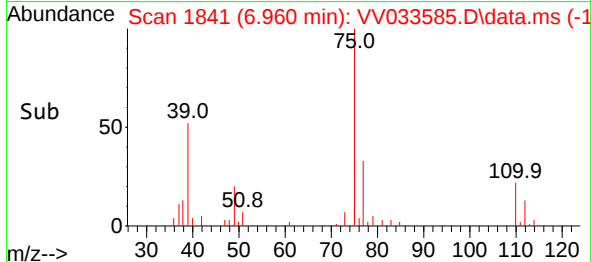
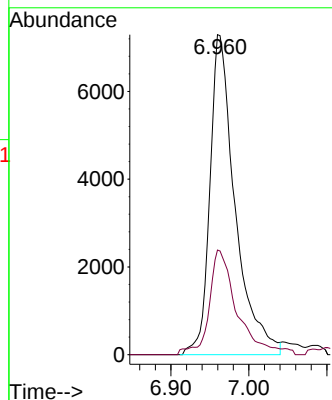
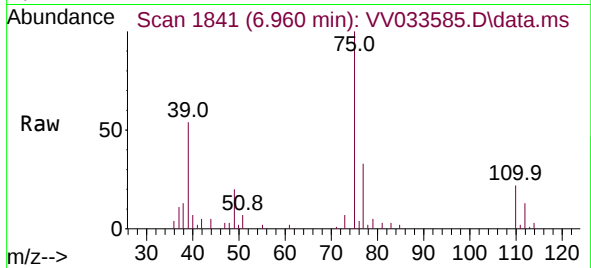
ClientSampleId :

Tgt Ion: 75 Resp: 16418

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 8.415 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

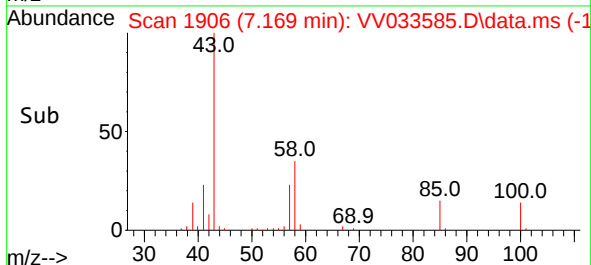
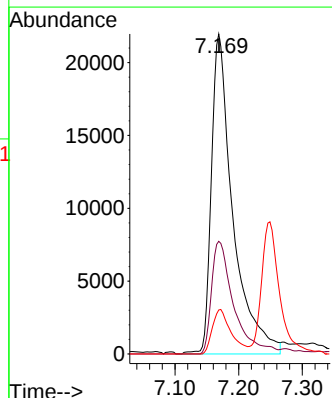
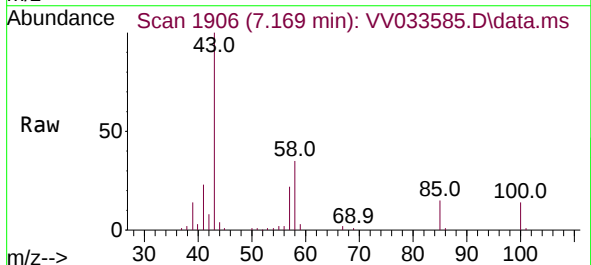
Tgt Ion: 43 Resp: 51403

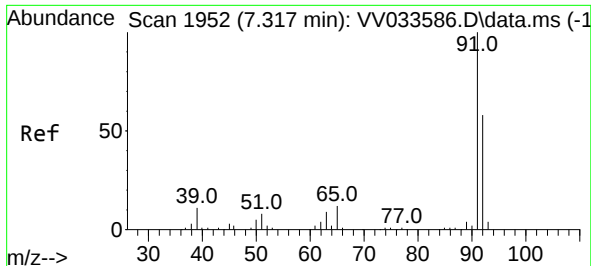
Ion Ratio Lower Upper

43 100

58 36.3 29.9 44.9

100 12.2 9.9 14.9





#42

Toluene

Concen: 1.092 ug/L

RT: 7.320 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

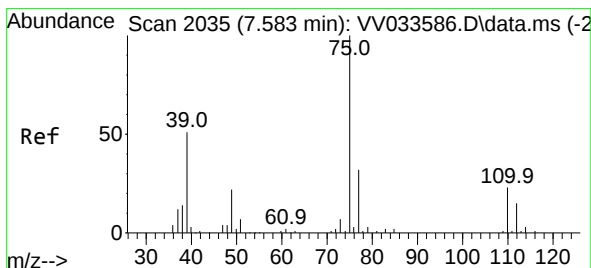
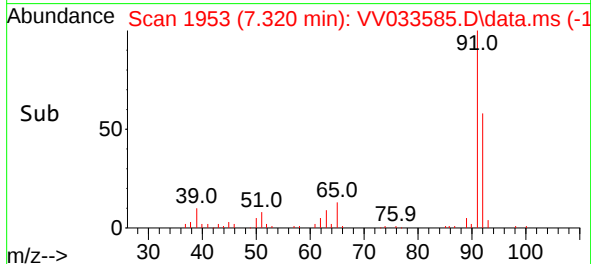
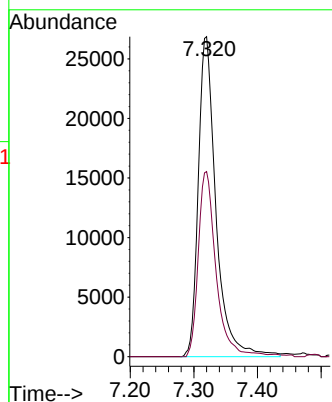
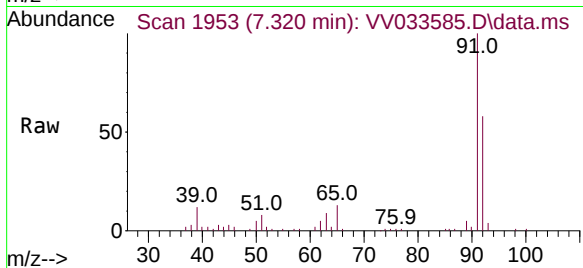
ClientSampleId :

Tgt Ion: 91 Resp: 51836

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 0.986 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.006 min

Lab File: VV033585.D

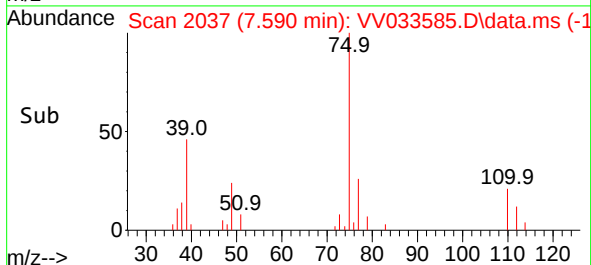
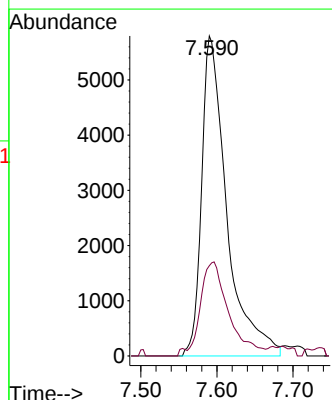
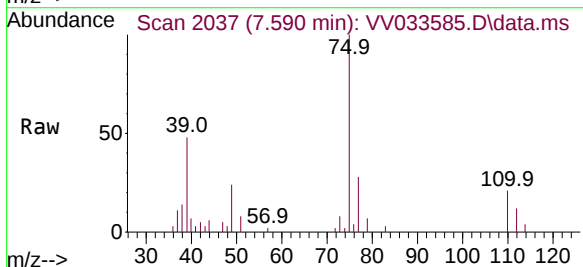
Acq: 12 Jan 2024 10:30

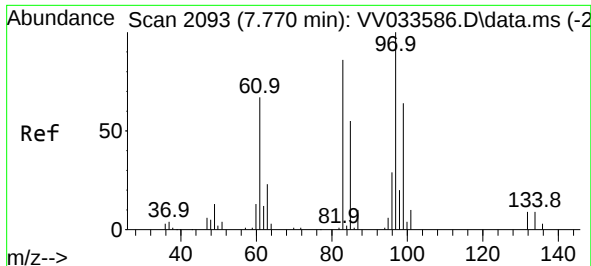
Tgt Ion: 75 Resp: 13319

Ion Ratio Lower Upper

75 100

77 28.2 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 0.960 ug/L

RT: 7.776 min Scan# 2093

Delta R.T. 0.006 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 6667

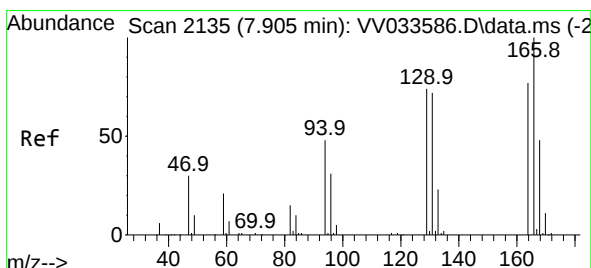
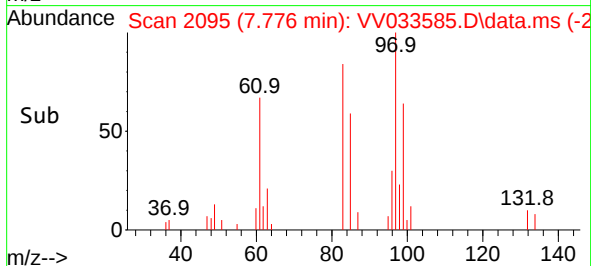
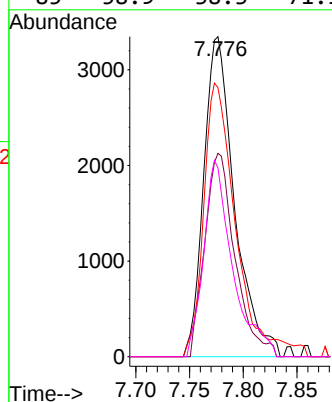
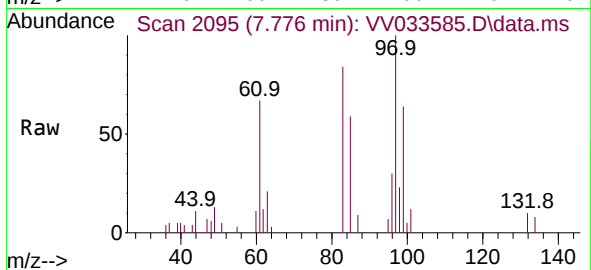
Ion Ratio Lower Upper

97 100

99 63.6 44.9 83.3

83 84.1 60.5 112.3

85 58.9 38.3 71.1



#47

Tetrachloroethene

Concen: 1.085 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Tgt Ion:164 Resp: 9161

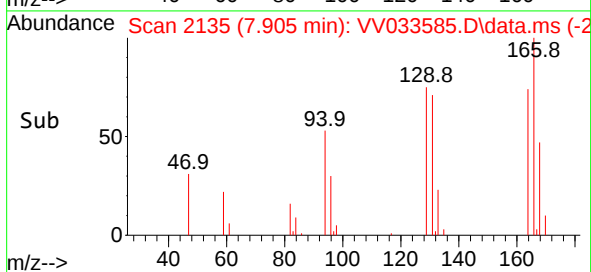
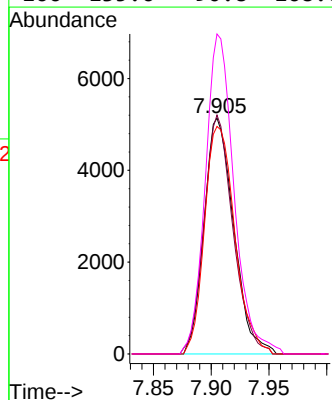
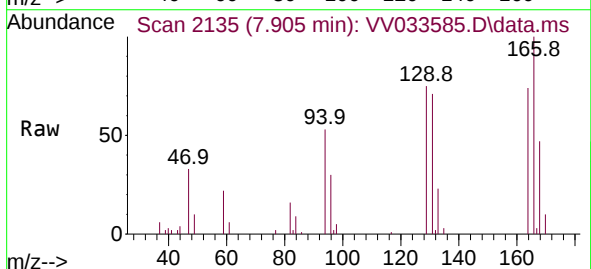
Ion Ratio Lower Upper

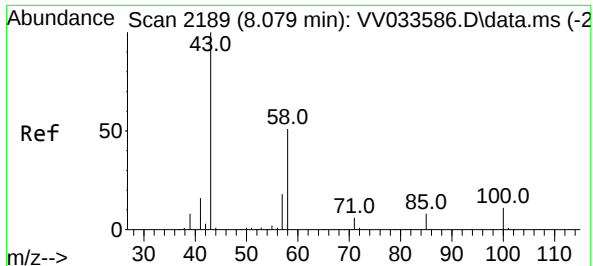
164 100

129 101.2 67.1 124.7

131 96.5 65.0 120.6

166 135.6 90.8 168.6

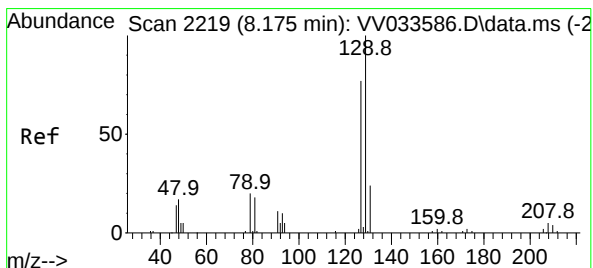
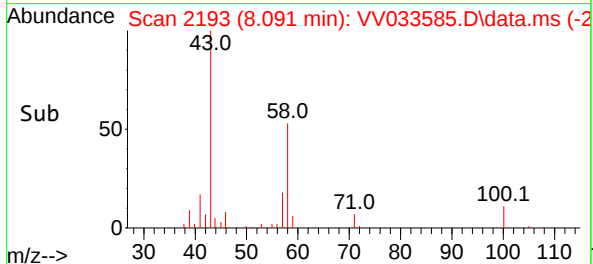
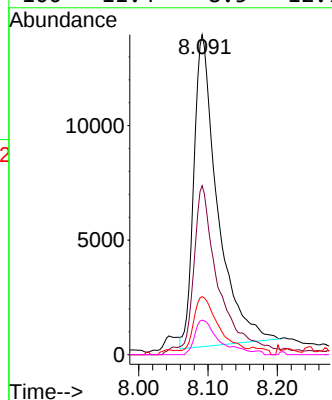
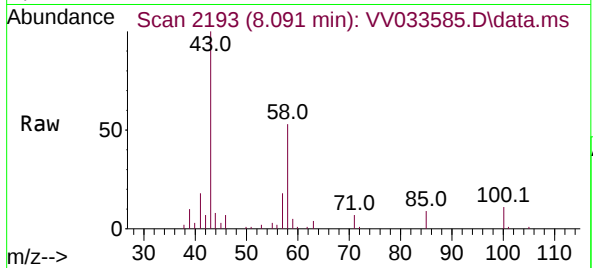




#48
2-Hexanone
Concen: 7.227 ug/L
RT: 8.091 min Scan# 2189
Delta R.T. 0.013 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

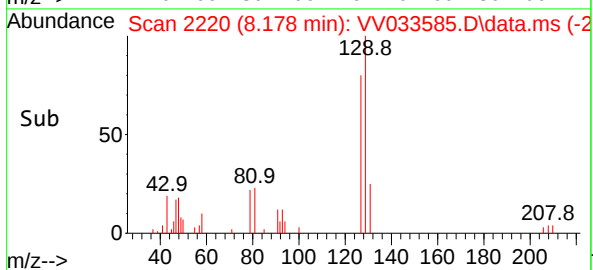
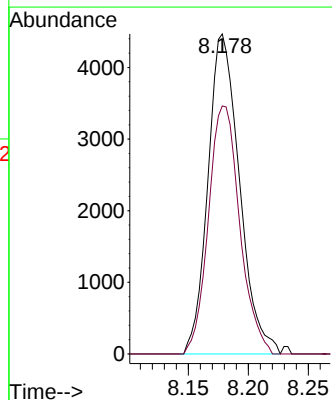
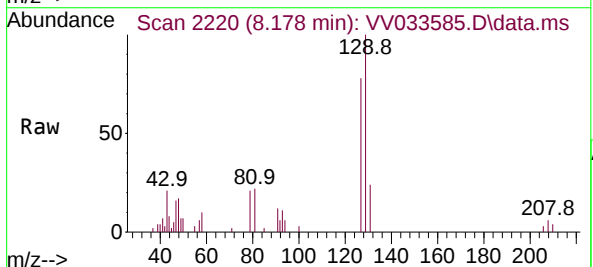
Instrument :
MSVOA_V
ClientSampleId :

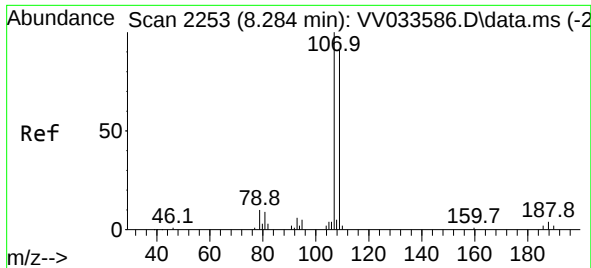
Tgt Ion: 43	Resp: 32369
Ion Ratio	Lower Upper
43 100	
58 57.9	40.6 61.0
57 19.4	13.8 20.8
100 11.4	8.5 12.7



#49
Dibromochloromethane
Concen: 0.998 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

Tgt Ion:129	Resp:	8168	
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.6	99.6





#50

1,2-Dibromoethane

Concen: 0.933 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV033585.D

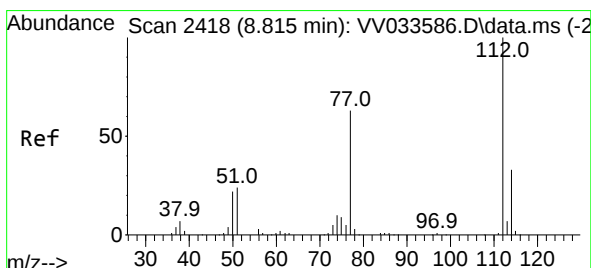
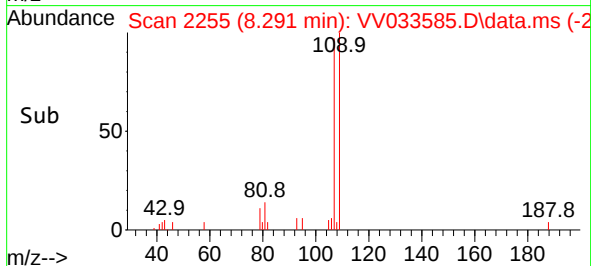
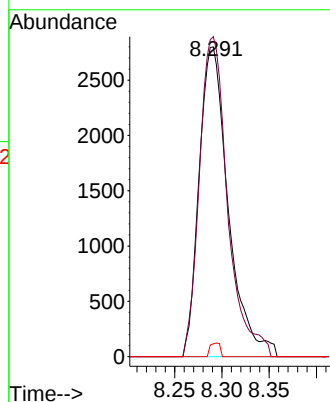
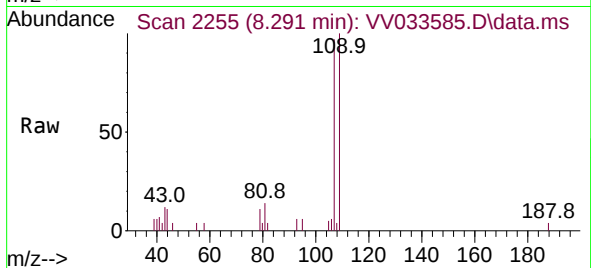
Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	6013
Ion	Ratio	Lower	Upper
107	100		
109	103.3	64.0	118.8
188	4.1	3.0	4.6



#51

Chlorobenzene

Concen: 1.066 ug/L

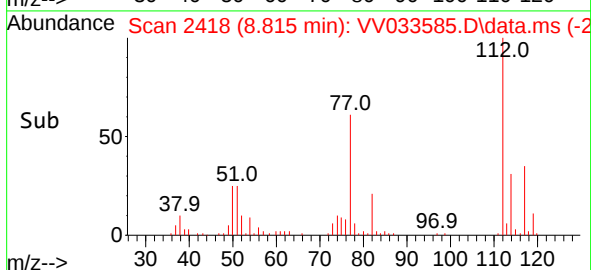
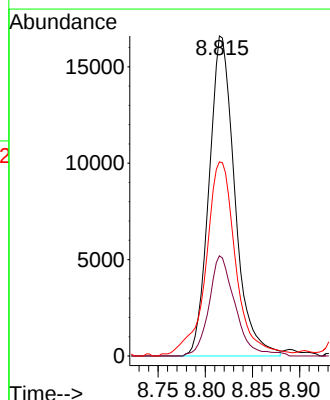
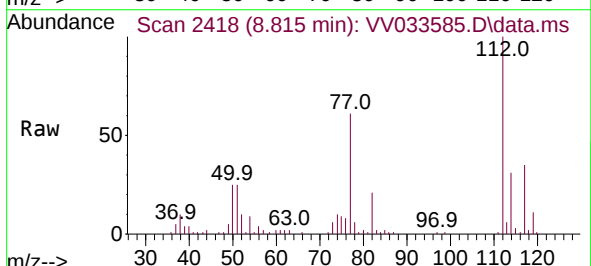
RT: 8.815 min Scan# 2418

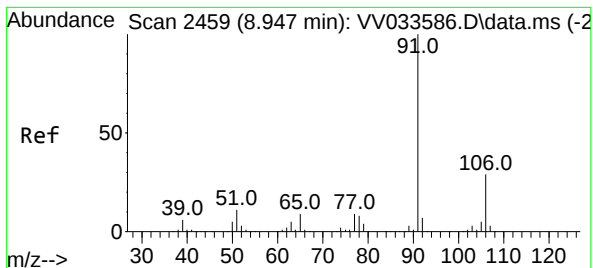
Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Tgt Ion:	112	Resp:	31446
Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.9	42.5
77	60.6	50.8	76.2





#52

Ethylbenzene

Concen: 1.092 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

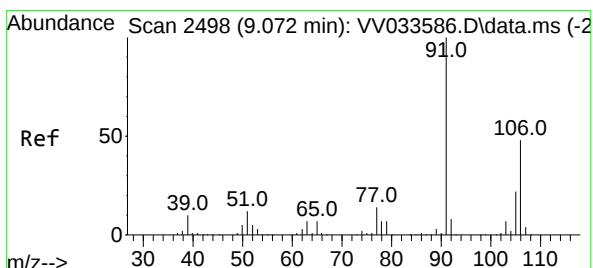
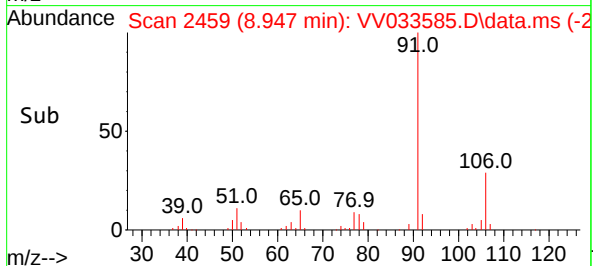
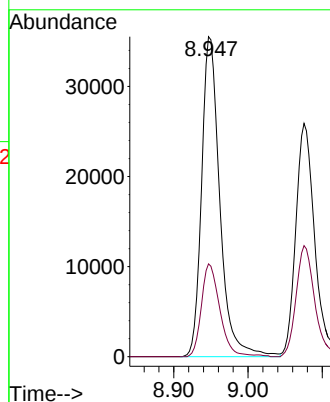
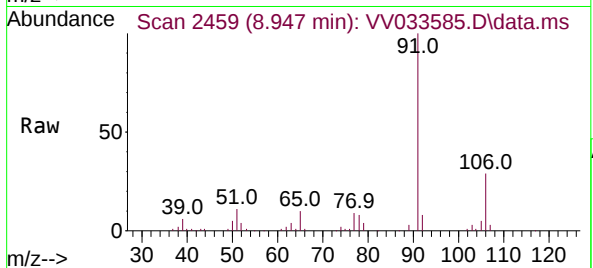
ClientSampleId :

Tgt Ion: 91 Resp: 60689

Ion Ratio Lower Upper

91 100

106 29.0 20.6 38.4



#53

m,p-Xylene

Concen: 1.074 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.003 min

Lab File: VV033585.D

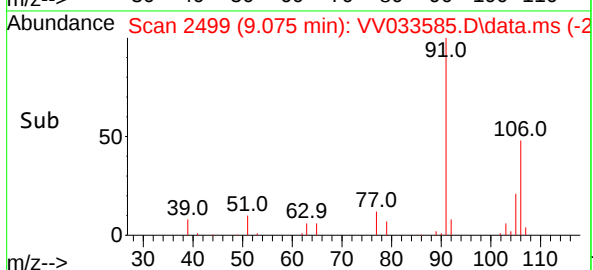
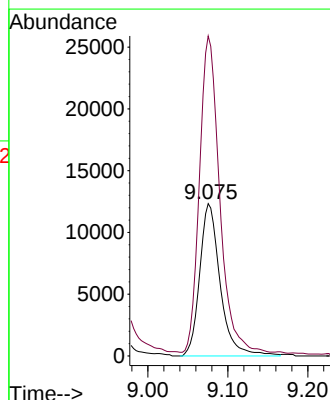
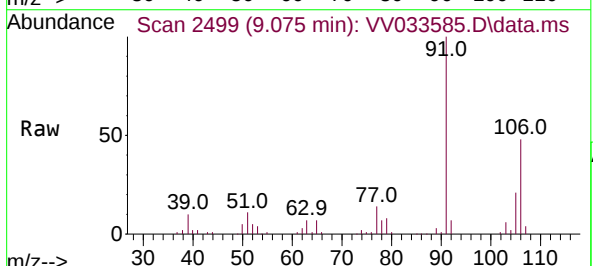
Acq: 12 Jan 2024 10:30

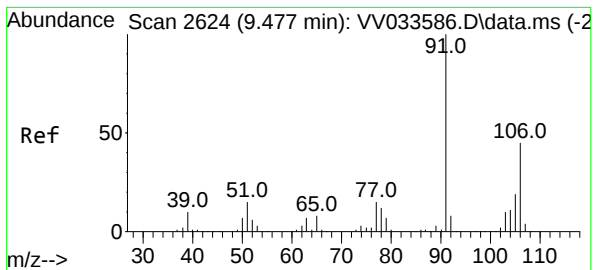
Tgt Ion:106 Resp: 22033

Ion Ratio Lower Upper

106 100

91 210.1 146.2 271.4





#54

o-Xylene

Concen: 1.086 ug/L

RT: 9.481 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

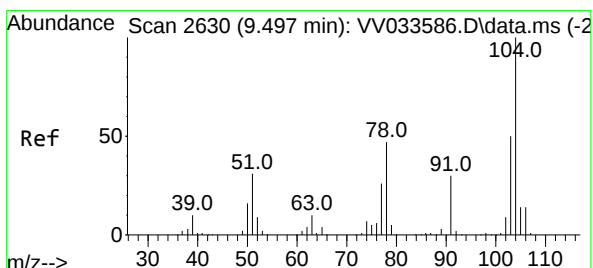
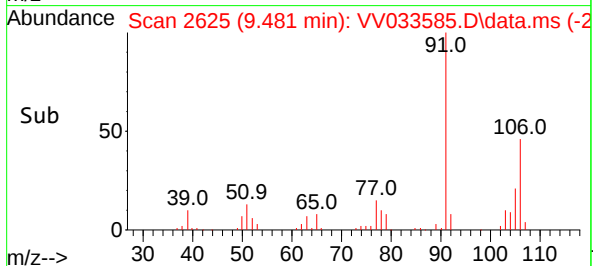
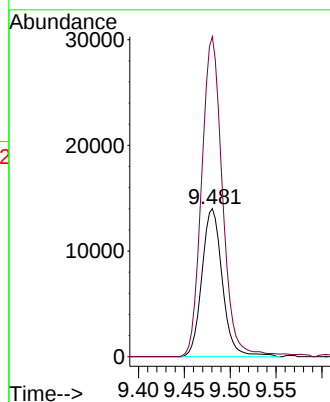
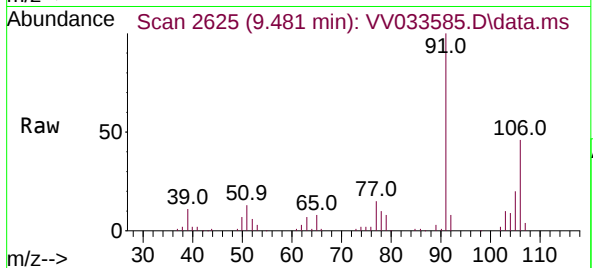
ClientSampleId :

Tgt Ion:106 Resp: 21735

Ion Ratio Lower Upper

106 100

91 216.3 156.0 289.6



#55

Styrene

Concen: 1.010 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.003 min

Lab File: VV033585.D

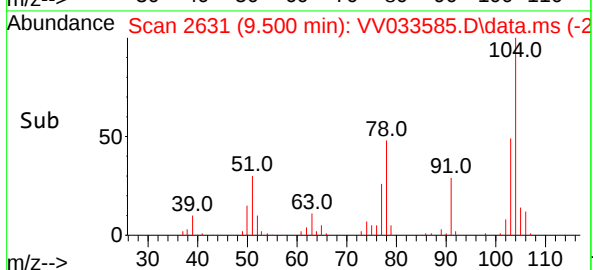
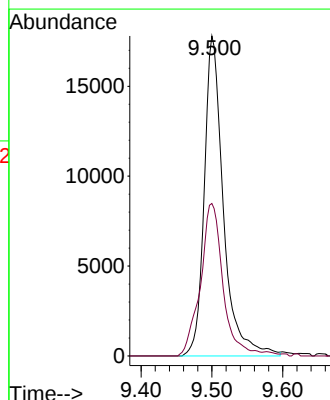
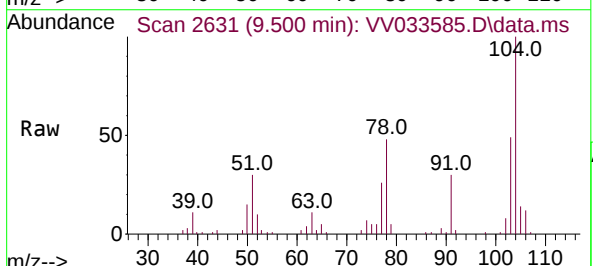
Acq: 12 Jan 2024 10:30

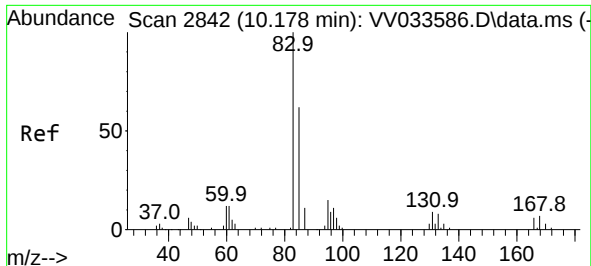
Tgt Ion:104 Resp: 33386

Ion Ratio Lower Upper

104 100

78 47.6 33.1 61.5





#57

1,1,2,2-Tetrachloroethane

Concen: 0.911 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

ClientSampleId :

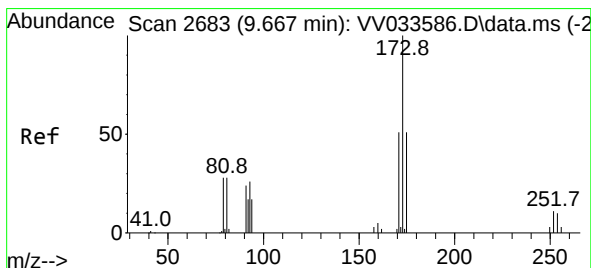
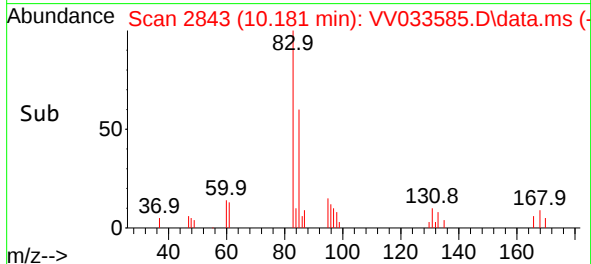
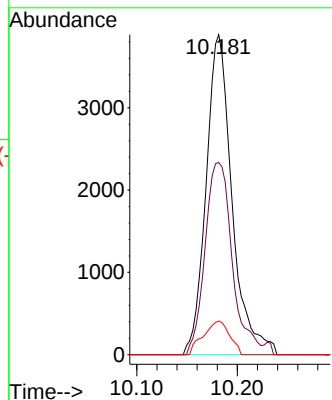
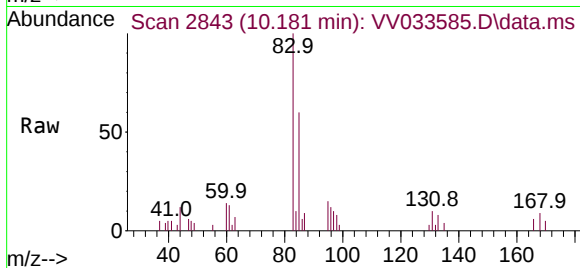
Tgt Ion: 83 Resp: 6975

Ion Ratio Lower Upper

83 100

85 60.0 43.5 80.7

131 10.5 7.4 11.0



#59

Bromoform

Concen: 0.961 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

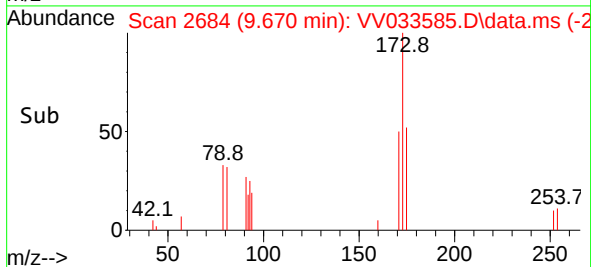
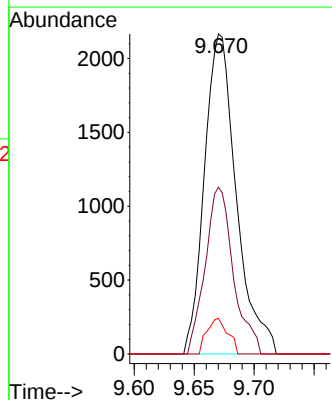
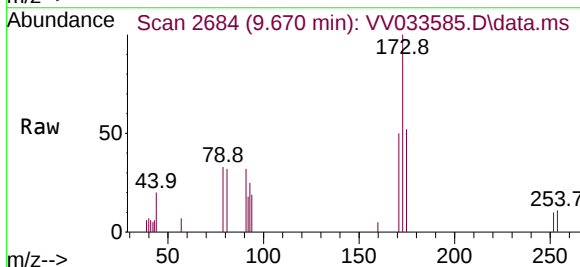
Tgt Ion: 173 Resp: 3996

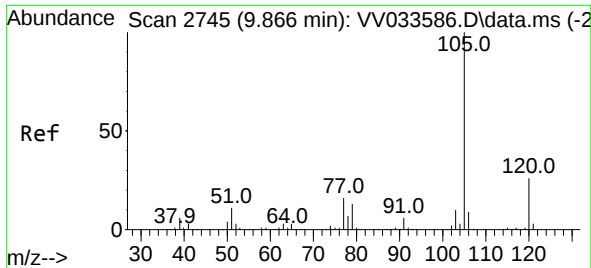
Ion Ratio Lower Upper

173 100

175 46.0 38.8 58.2

254 7.3 7.5 11.3#

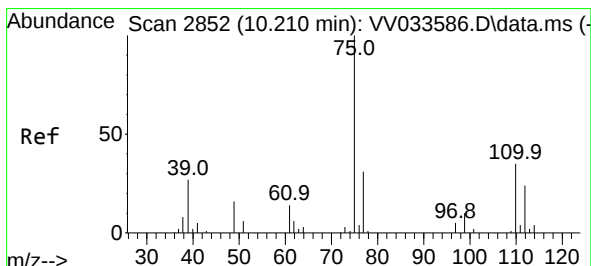
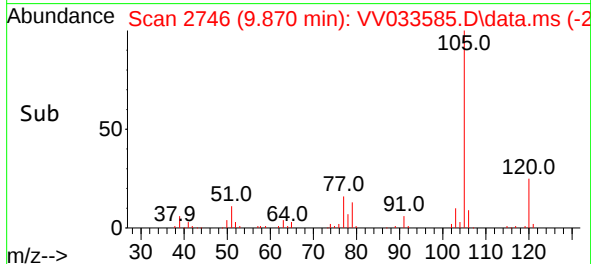
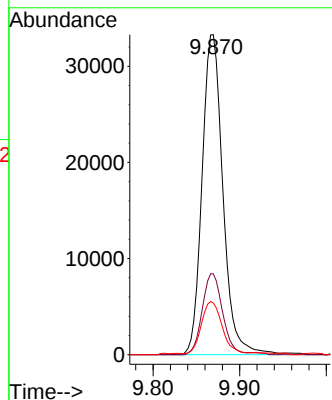
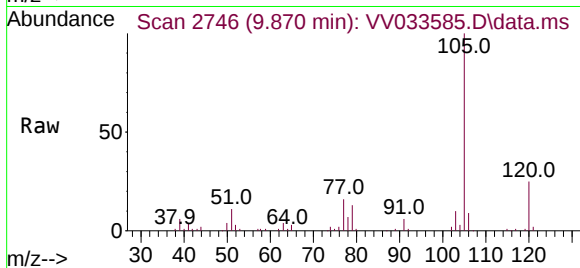




#60
Isopropylbenzene
Concen: 1.053 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

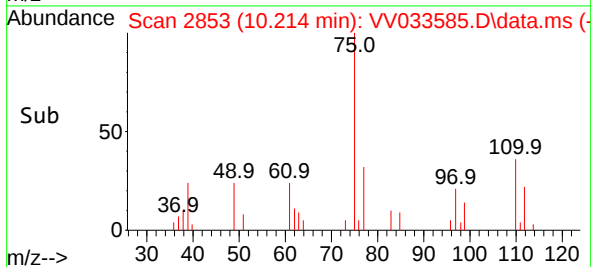
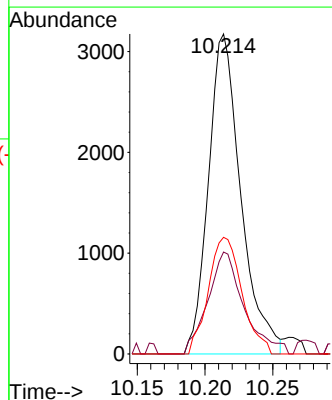
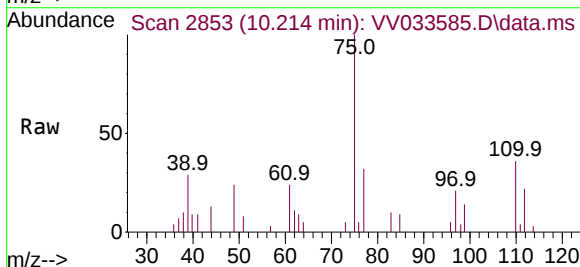
Instrument :
MSVOA_V
ClientSampleId :

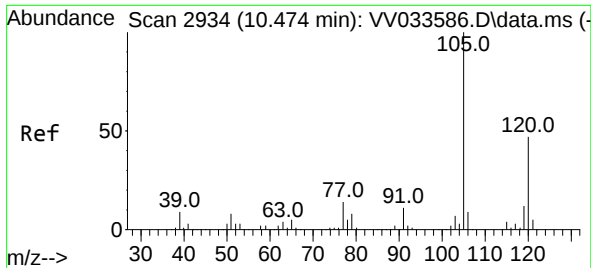
Tgt Ion:105 Resp: 55620
Ion Ratio Lower Upper
105 100
120 25.0 21.0 31.6
77 15.8 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 0.958 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.003 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

Tgt Ion: 75 Resp: 5283
Ion Ratio Lower Upper
75 100
77 35.5 24.7 37.1
110 37.8 28.0 42.0

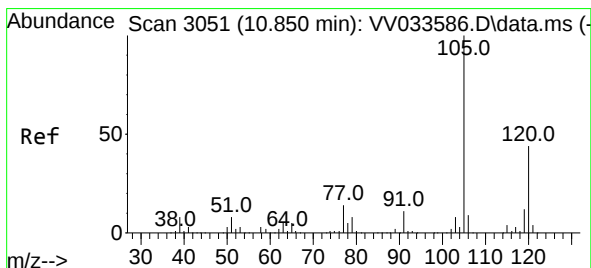
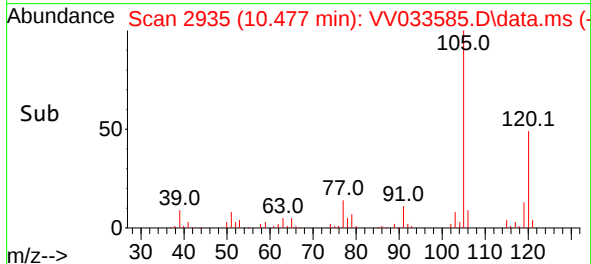
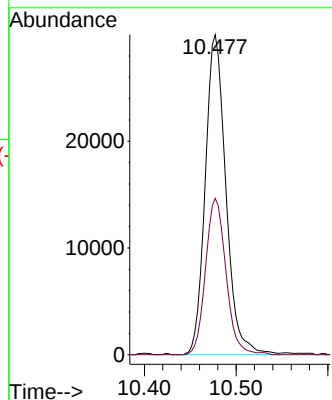
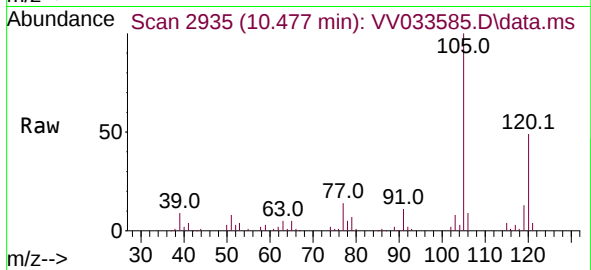




#62
1,3,5-Trimethylbenzene
Concen: 1.050 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.003 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

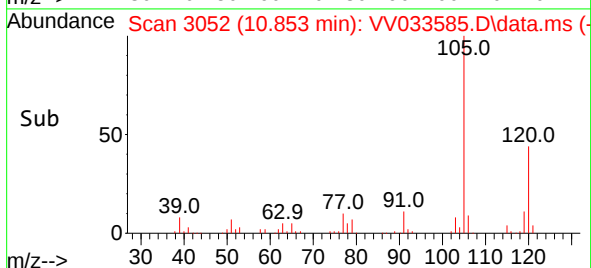
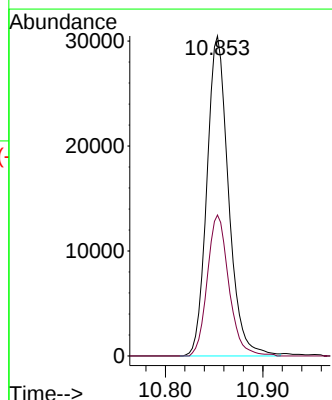
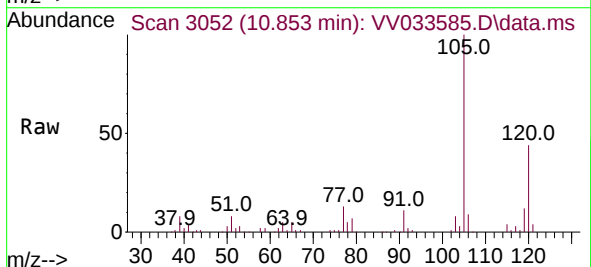
Instrument :
MSVOA_V
ClientSampleId :

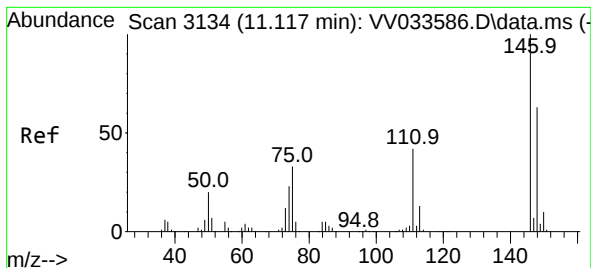
Tgt Ion:105 Resp: 47012
Ion Ratio Lower Upper
105 100
120 48.3 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 1.060 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

Tgt Ion:105 Resp: 47022
Ion Ratio Lower Upper
105 100
120 43.9 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 1.040 ug/L

RT: 11.120 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

ClientSampleId :

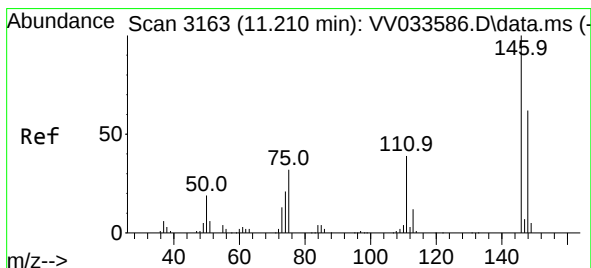
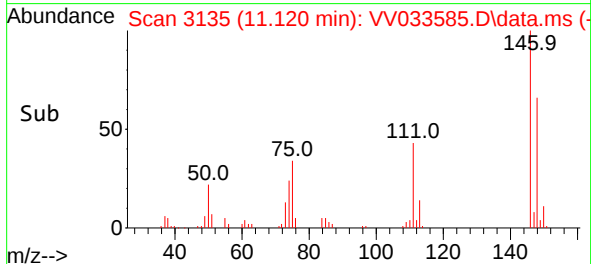
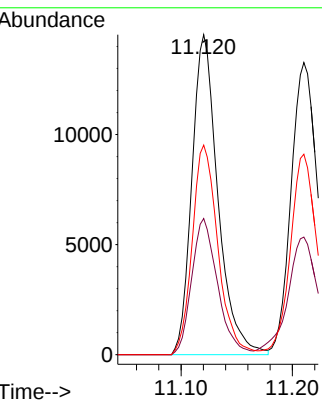
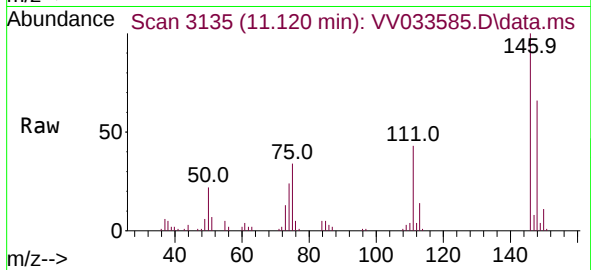
Tgt Ion:146 Resp: 23578

Ion Ratio Lower Upper

146 100

111 42.5 29.2 54.2

148 65.5 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 1.019 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

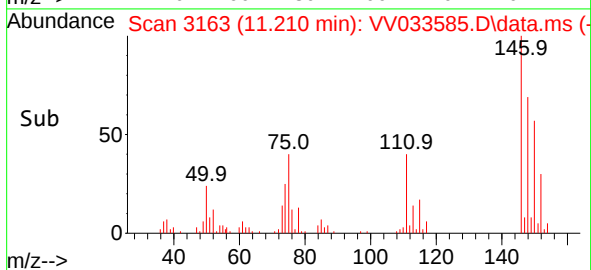
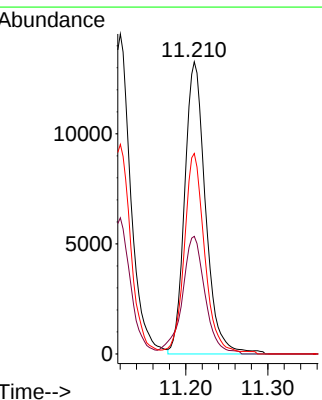
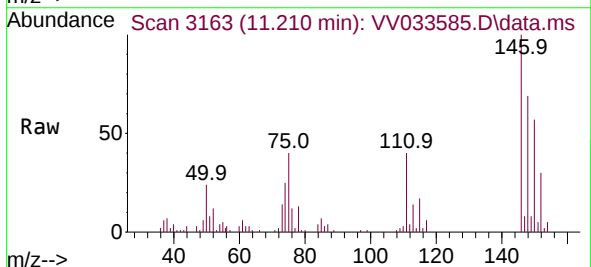
Tgt Ion:146 Resp: 23414

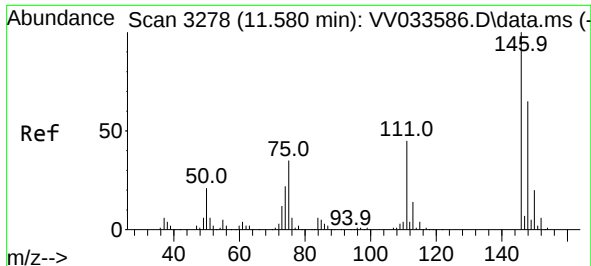
Ion Ratio Lower Upper

146 100

111 40.3 27.5 51.1

148 68.6 43.3 80.5

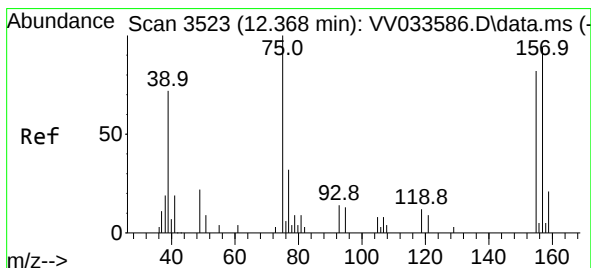
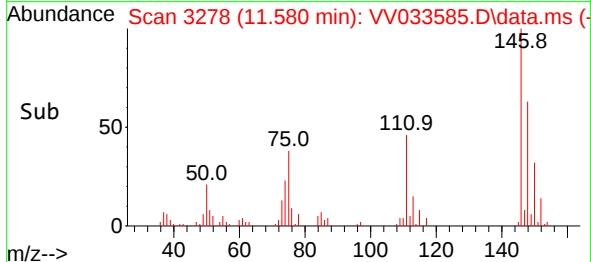
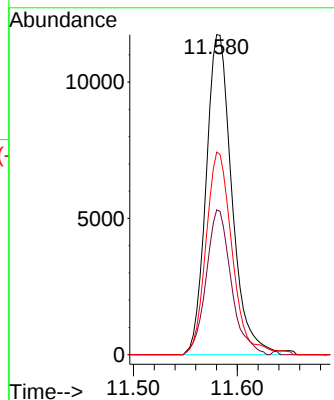
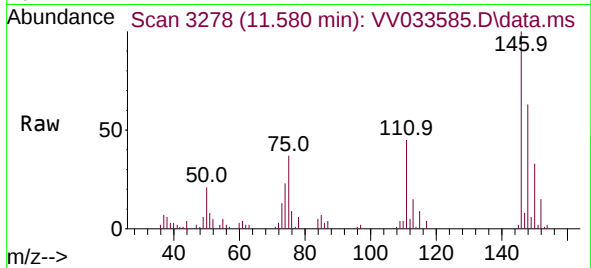




#67
1,2-Dichlorobenzene
Concen: 1.019 ug/L
RT: 11.580 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

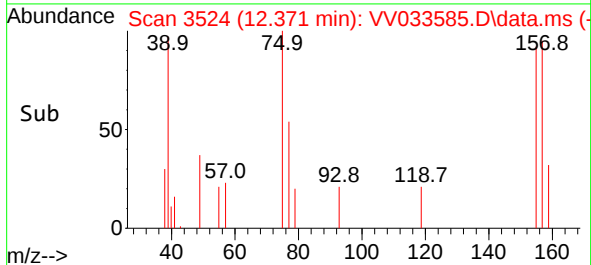
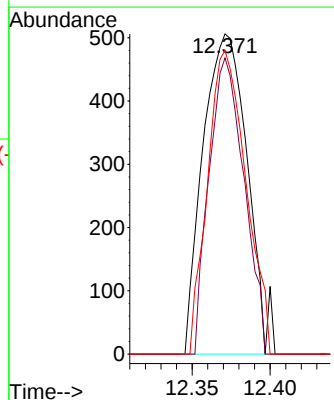
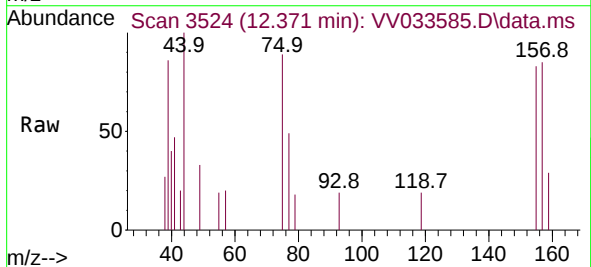
Instrument :
MSVOA_V
ClientSampleId :

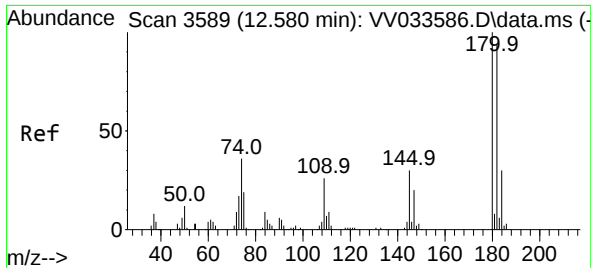
Tgt Ion:146 Resp: 20223
Ion Ratio Lower Upper
146 100
111 45.2 36.1 54.1
148 63.3 52.2 78.2



#68
1,2-Dibromo-3-chloropropane
Concen: 0.783 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.003 min
Lab File: VV033585.D
Acq: 12 Jan 2024 10:30

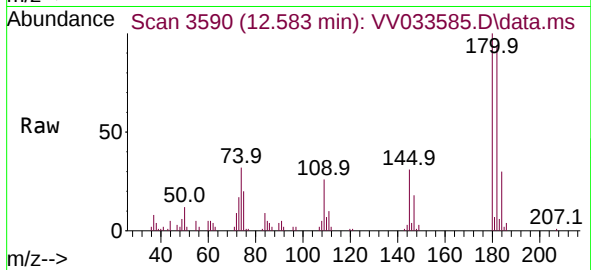
Tgt Ion: 75 Resp: 999
Ion Ratio Lower Upper
75 100
155 92.5 65.3 97.9
157 94.9 75.4 113.0



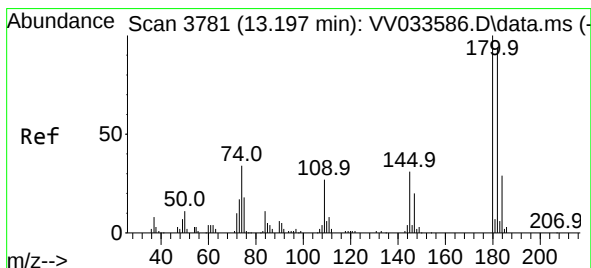
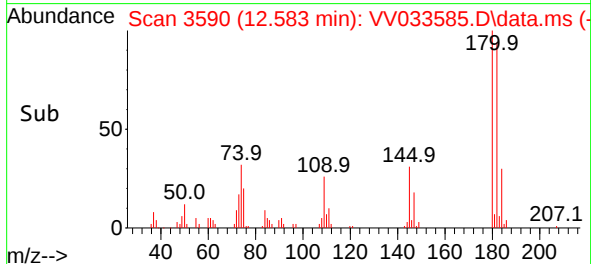
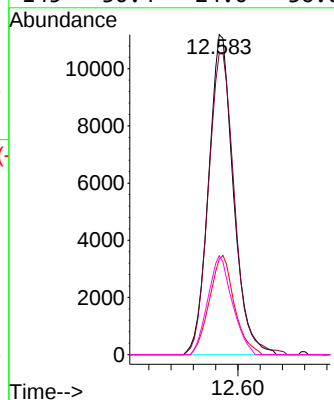


#69
 1,3,5-Trichlorobenzene
 Concen: 0.993 ug/L
 RT: 12.583 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

Instrument :
 MSVOA_V
 ClientSampleId :

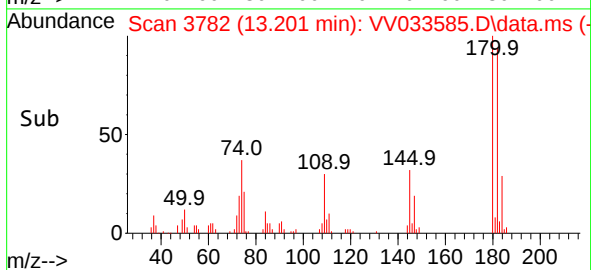
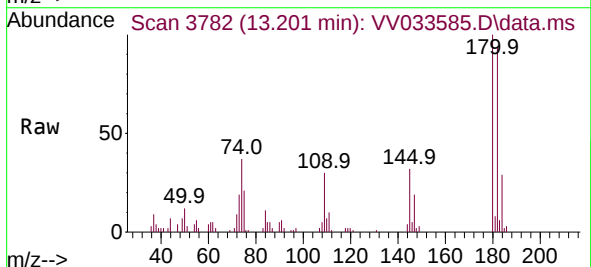
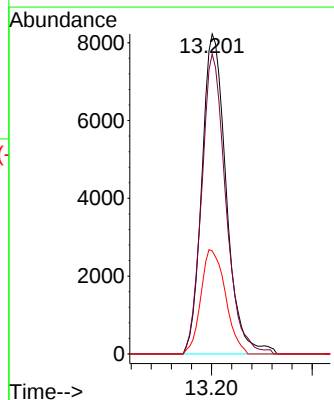


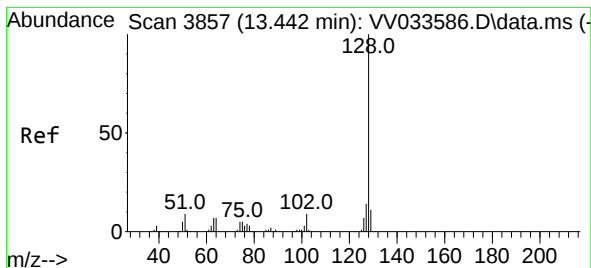
Tgt Ion:180 Resp: 17311
 Ion Ratio Lower Upper
 180 100
 182 98.7 76.4 114.6
 184 31.0 24.2 36.2
 145 30.4 24.0 36.0



#70
 1,2,4-trichlorobenzene
 Concen: 0.947 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.003 min
 Lab File: VV033585.D
 Acq: 12 Jan 2024 10:30

Tgt Ion:180 Resp: 13777
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.0 112.6
 145 32.9 24.8 37.2





#71

Naphthalene

Concen: 1.105 ug/L

RT: 13.445 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV033585.D

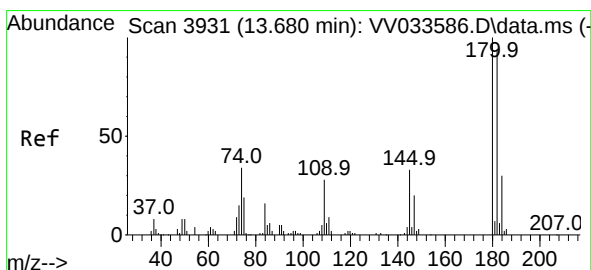
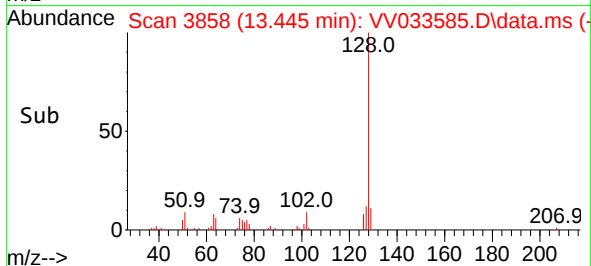
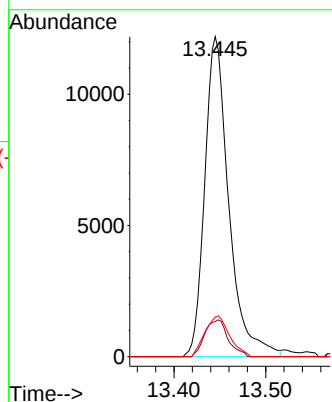
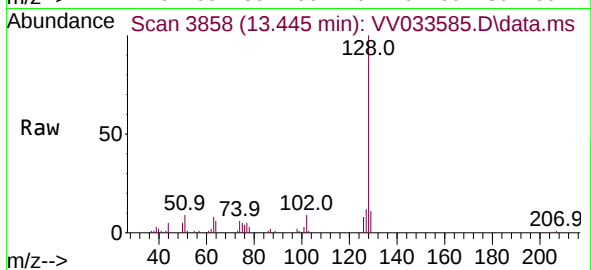
Acq: 12 Jan 2024 10:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	22239
Ion Ratio	Lower	Upper
128	100	
129	11.1	8.8 13.2
127	13.0	10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 0.990 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV033585.D

Acq: 12 Jan 2024 10:30

Tgt Ion:180	Resp:	11282
Ion Ratio	Lower	Upper
180	100	
182	93.5	75.0 112.6
145	31.3	26.6 40.0

