

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011024\
 Data File : VV033559.D
 Acq On : 10 Jan 2024 13:49
 Operator : SY/MD
 Sample : VSTD200
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 11 00:18:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 00:16:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	336432	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	325316	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	181079	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	559455	215.500	ug/L	0.00
7) Chloroethane-d5	1.523	69	416707	184.565	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	231053	183.806	ug/L	0.00
21) 2-Butanone-d5	3.773	46	750218	542.968	ug/L	0.00
24) Chloroform-d	4.246	84	932415	187.924	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	611725	199.182	ug/L	0.00
32) Benzene-d6	4.960	84	1848625	210.413	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	608146	223.429	ug/L	0.00
41) Toluene-d8	7.243	98	1676991	211.148	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	322541	242.035	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	564712	588.017	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	797659	210.288	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	688926	203.591	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	540001	198.100	ug/L	100
3) Chloromethane	1.214	50	631282	237.397	ug/L	100
5) Vinyl chloride	1.282	62	605702	217.734	ug/L	100
6) Bromomethane	1.471	94	306718	161.160	ug/L	100
8) Chloroethane	1.539	64	356936	195.993	ug/L	99
9) Trichlorofluoromethane	1.709	101	733706	161.439	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	430377	161.974	ug/L	99
12) 1,1-Dichloroethene	2.066	96	410684	179.079	ug/L	91
13) Acetone	2.108	43	697862	452.315	ug/L	99
14) Carbon disulfide	2.240	76	1407494	226.192	ug/L	99
15) Methyl Acetate	2.368	43	592816	258.468	ug/L	# 100
16) Methylene chloride	2.446	84	481852	184.351	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	451111	202.868	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	1634228	232.812	ug/L	100
19) 1,1-Dichloroethane	3.108	63	934934	215.433	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	513933	203.644	ug/L	99
22) 2-Butanone	3.857	43	890636	552.163	ug/L	99
23) Bromochloromethane	4.143	128	252110	185.976	ug/L	95
25) Chloroform	4.275	83	891617	188.489	ug/L	99
27) 1,2-Dichloroethane	5.037	62	741288	201.496	ug/L	99
29) Cyclohexane	4.580	56	907638	279.039	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	781866	195.702	ug/L	99
31) Carbon tetrachloride	4.735	117	671737	189.795	ug/L	99
33) Benzene	5.008	78	1910879	216.739	ug/L	100
34) Trichloroethene	5.831	95	517030	213.534	ug/L	99
35) Methylcyclohexane	6.050	83	870250	242.370	ug/L	100
37) 1,2-Dichloropropane	6.092	63	545222	225.956	ug/L	99
38) Bromodichloromethane	6.429	83	698778	205.517	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	934234	262.335	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	1624571	588.143	ug/L	99
42) Toluene	7.313	91	2005761	217.055	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	860039	240.227	ug/L	99

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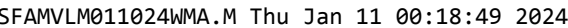
Instrument :
 MSVOA_V
 ClientSampleId :

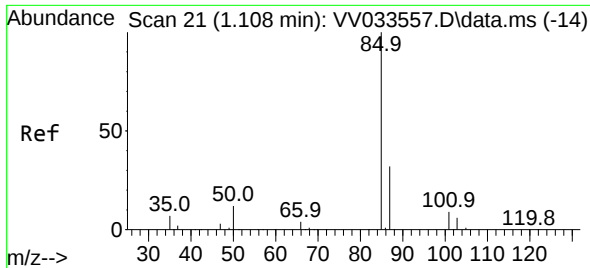
Quant Time: Jan 11 00:18:39 2024
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 Quant Title : VOC Analysis
 QLast Update : Thu Jan 11 00:16:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	482365	197.950	ug/L	99
46) Tetrachloroethene	7.905	164	377615	202.910	ug/L	98
48) 2-Hexanone	8.072	43	1341997	583.570	ug/L	99
49) Dibromochloromethane	8.175	129	512189	200.156	ug/L	100
50) 1,2-Dibromoethane	8.281	107	516130	205.087	ug/L	100
51) Chlorobenzene	8.812	112	1302455	197.481	ug/L	98
52) Ethylbenzene	8.947	91	2343270	224.645	ug/L	99
53) m,p-Xylene	9.072	106	881887	226.492	ug/L	100
54) o-Xylene	9.477	106	861111	226.231	ug/L	99
55) Styrene	9.497	104	1499064	226.296	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	804214	214.801	ug/L	100
59) Bromoform	9.664	173	402099	212.862	ug/L	97
60) Isopropylbenzene	9.866	105	2328003	220.681	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	636795	215.525	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	2050726	249.472	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	2079767	246.285	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	1107991	206.733	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	1114898	195.173	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	1090120	197.231	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	201906	245.120	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	854651	225.358	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	770854	230.280	ug/L	100
71) Naphthalene	13.439	128	2117786	236.110	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	714360	222.900	ug/L	100

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

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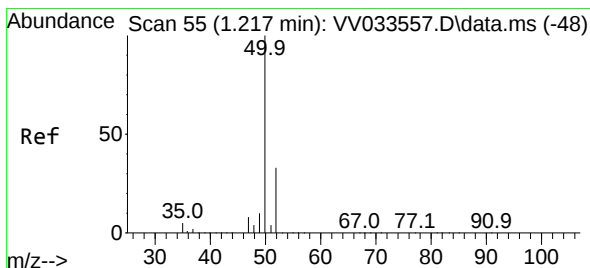
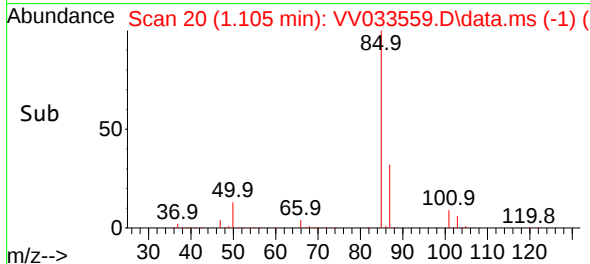
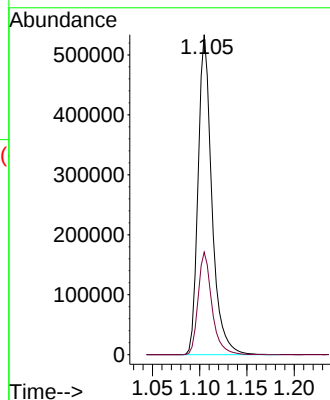
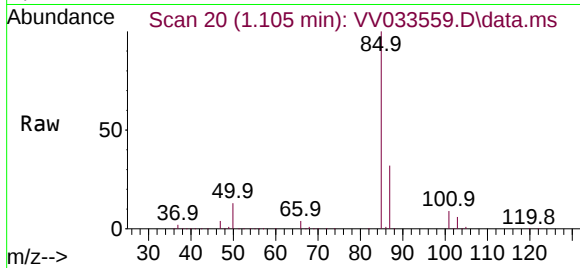




#2
 Dichlorodifluoromethane
 Concen: 198.100 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033559.D
 Acq: 10 Jan 2024 13:49

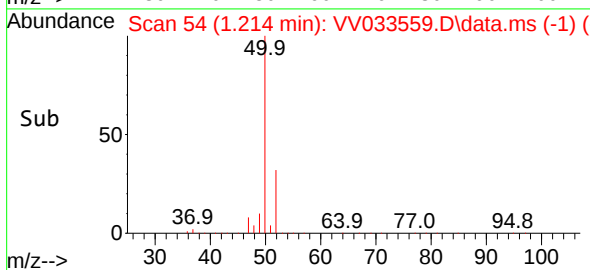
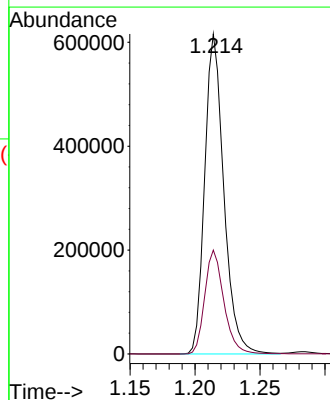
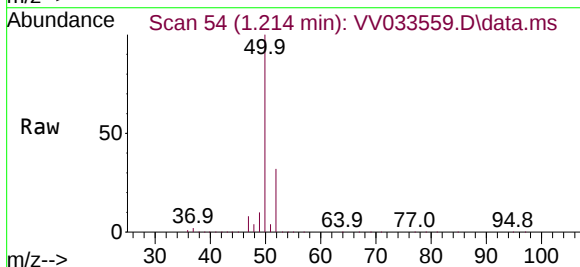
Instrument :
 MSVOA_V
 ClientSampleId :

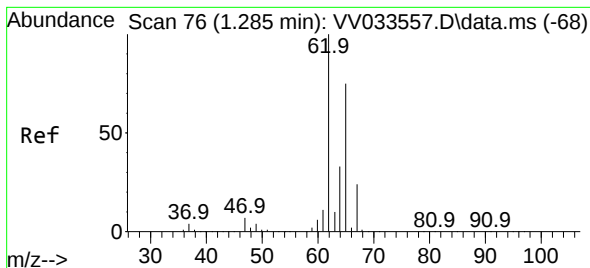
Tgt Ion: 85 Resp: 540001
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.8 38.6



#3
 Chloromethane
 Concen: 237.397 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033559.D
 Acq: 10 Jan 2024 13:49

Tgt Ion: 50 Resp: 631282
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.8 42.4





#5

Vinyl chloride

Concen: 217.734 ug/L

RT: 1.282 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

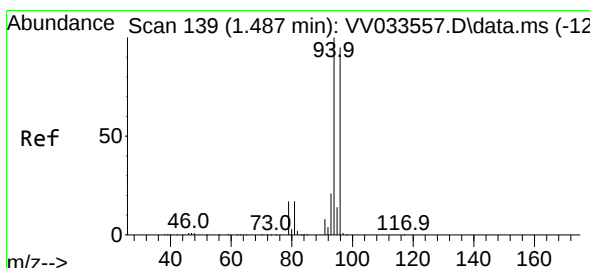
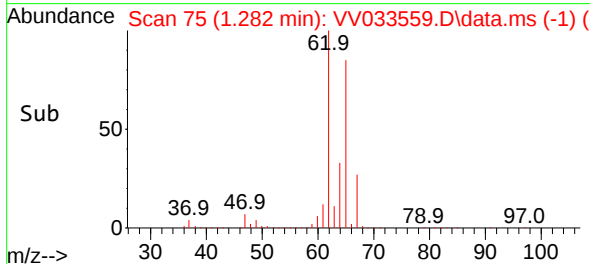
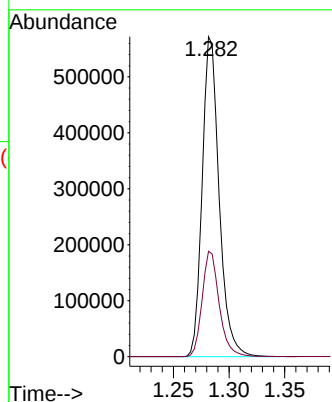
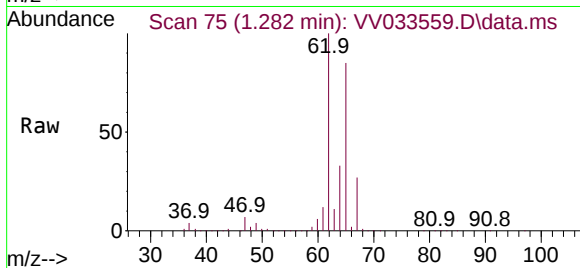
ClientSampleId :

Tgt Ion: 62 Resp: 605702

Ion Ratio Lower Upper

62 100

64 33.0 23.2 43.0



#6

Bromomethane

Concen: 161.160 ug/L

RT: 1.471 min Scan# 134

Delta R.T. -0.016 min

Lab File: VV033559.D

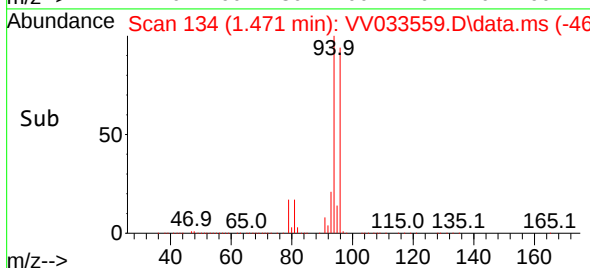
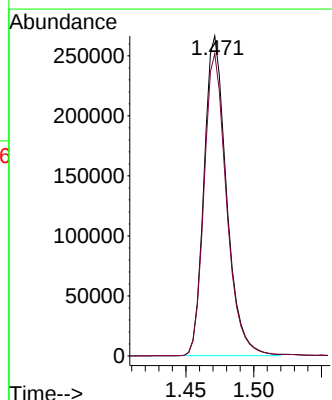
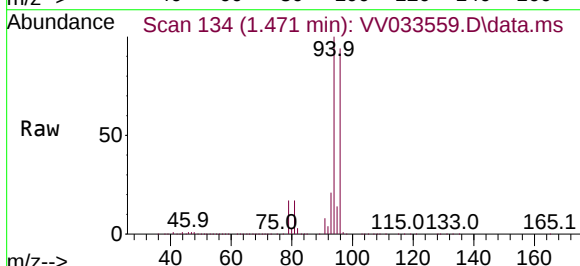
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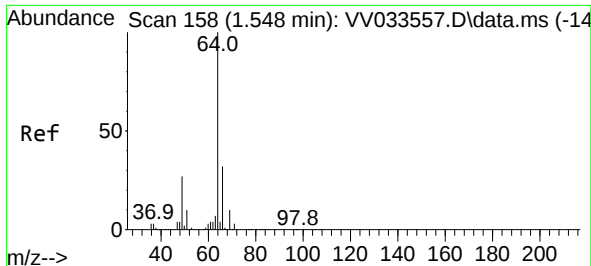
Tgt Ion: 94 Resp: 306718

Ion Ratio Lower Upper

94 100

96 94.5 66.4 123.2

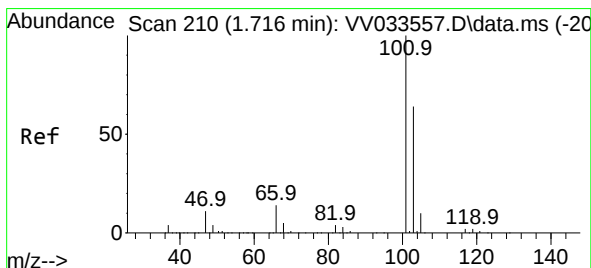
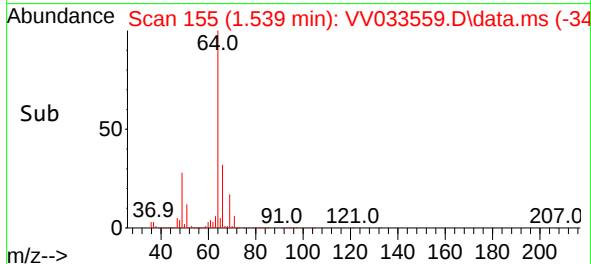
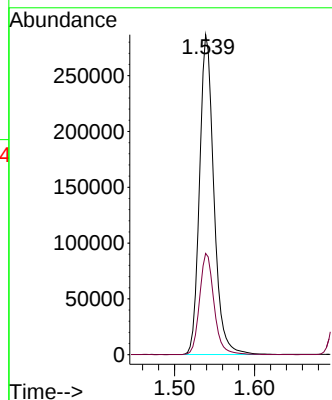
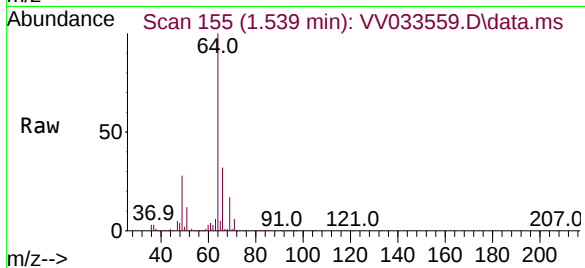




#8
Chloroethane
Concen: 195.993 ug/L
RT: 1.539 min Scan# 11
Delta R.T. -0.010 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

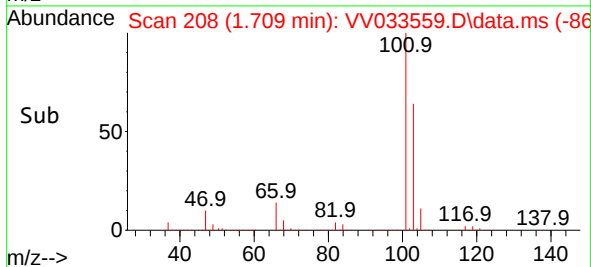
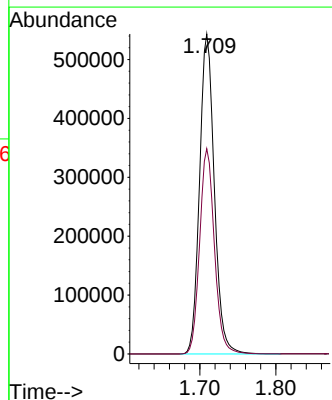
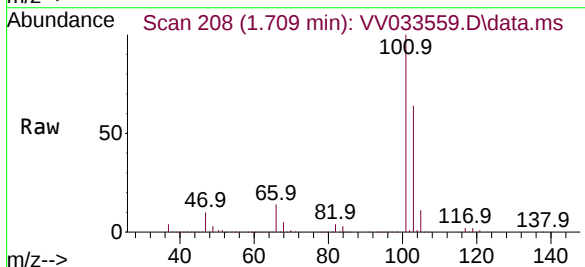
Instrument :
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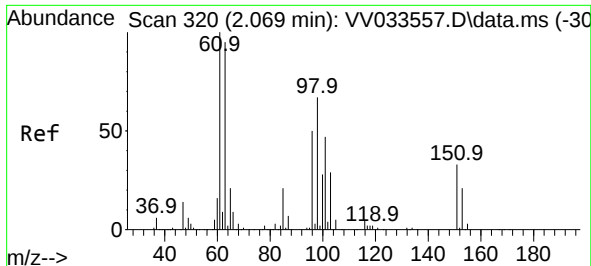
Tgt Ion: 64 Resp: 356936
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 161.439 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.006 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion:101 Resp: 733706
Ion Ratio Lower Upper
101 100
103 64.3 51.3 76.9

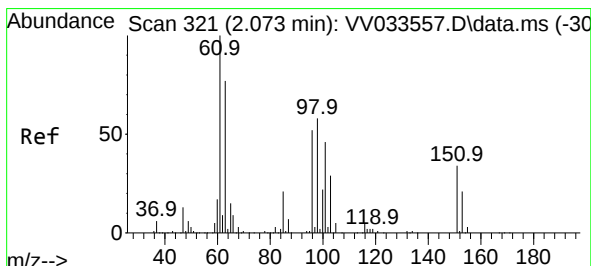
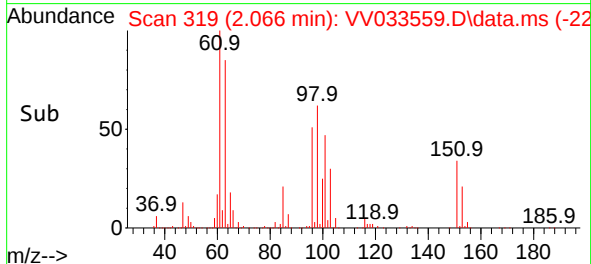
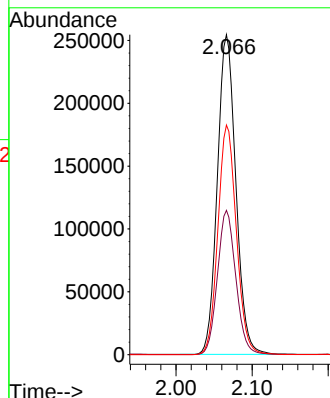
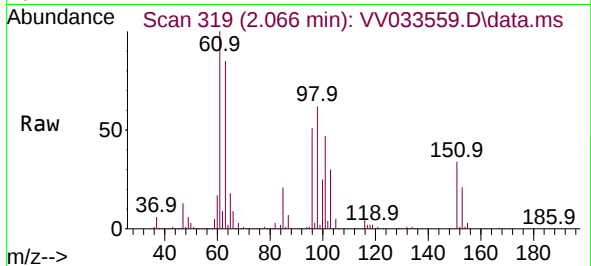




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 161.974 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV033559.D
 Acq: 10 Jan 2024 13:49

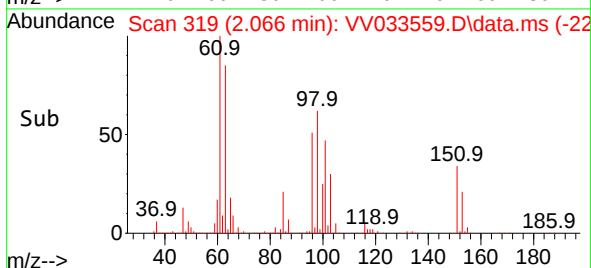
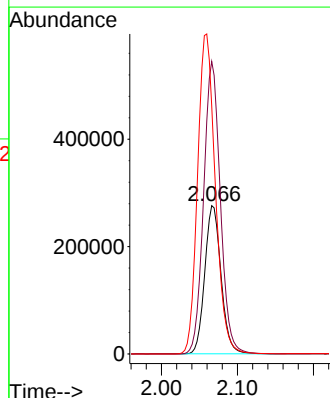
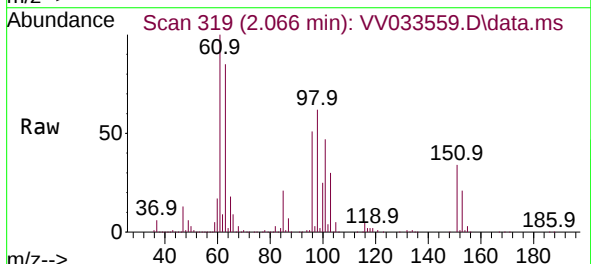
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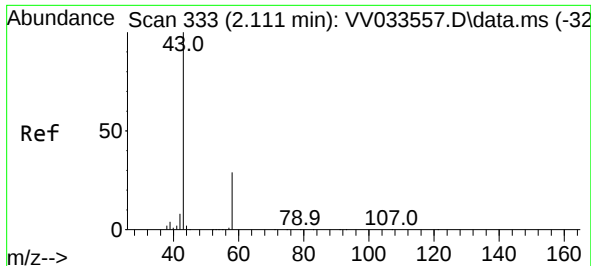
Tgt Ion:101 Resp: 430377
 Ion Ratio Lower Upper
 101 100
 85 44.8 36.2 54.4
 151 71.8 56.5 84.7



#12
 1,1-Dichloroethene
 Concen: 179.079 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.006 min
 Lab File: VV033559.D
 Acq: 10 Jan 2024 13:49

Tgt Ion: 96 Resp: 410684
 Ion Ratio Lower Upper
 96 100
 61 197.2 134.0 248.8
 63 167.3 103.4 192.0





#13

Acetone

Concen: 452.315 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

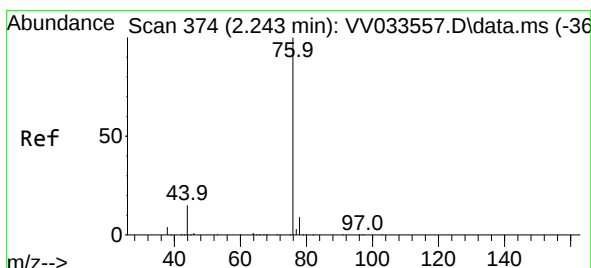
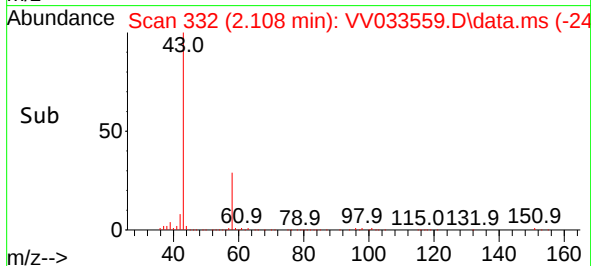
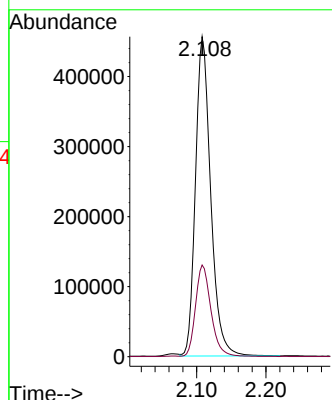
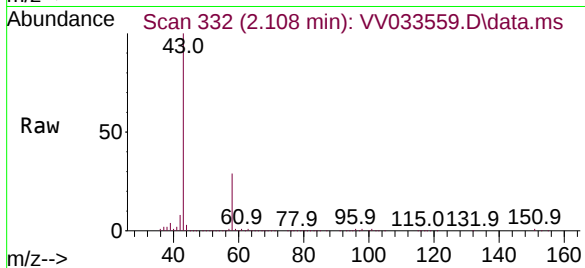
ClientSampleId :

Tgt Ion: 43 Resp: 697862

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.2



#14

Carbon disulfide

Concen: 226.192 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033559.D

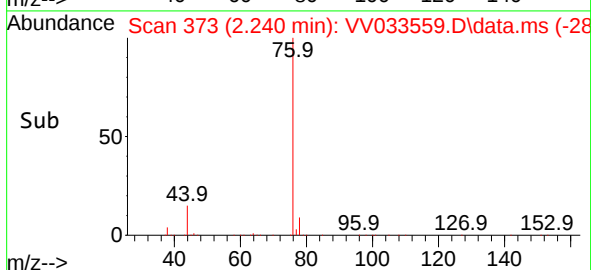
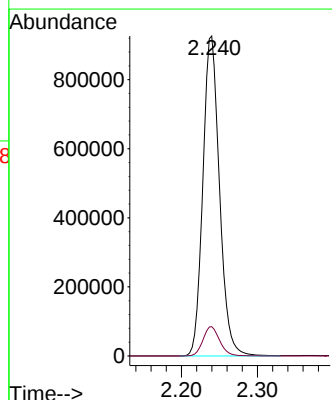
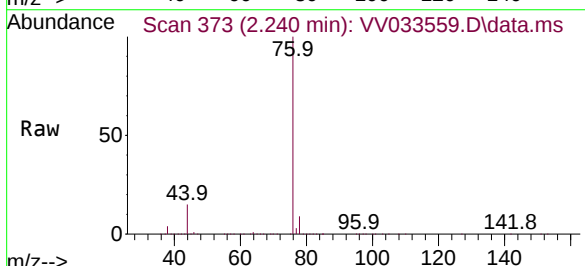
Acq: 10 Jan 2024 13:49

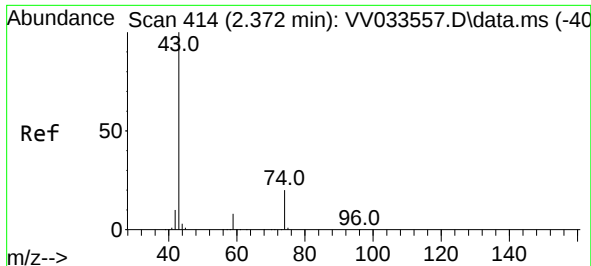
Tgt Ion: 76 Resp: 1407494

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7

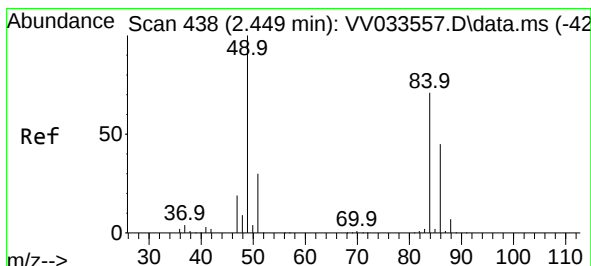
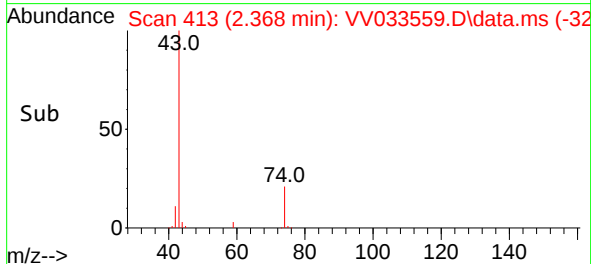
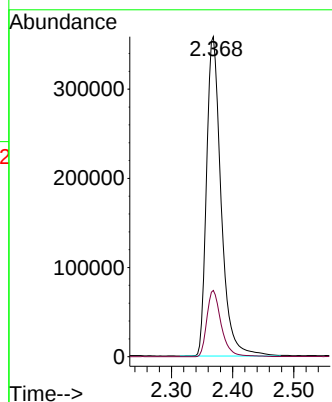
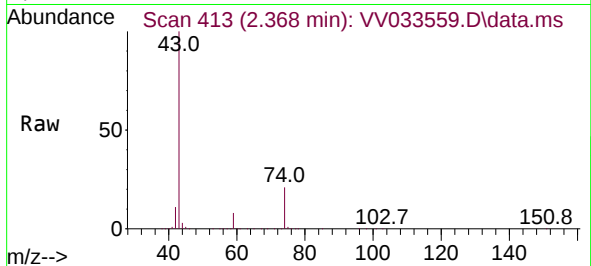




#15
Methyl Acetate
Concen: 258.468 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

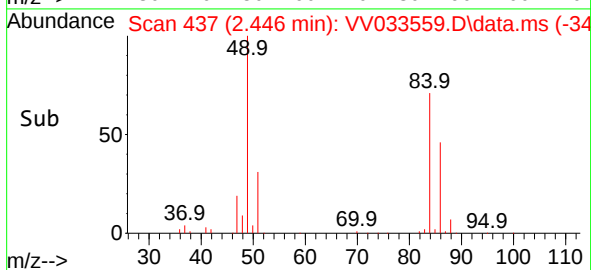
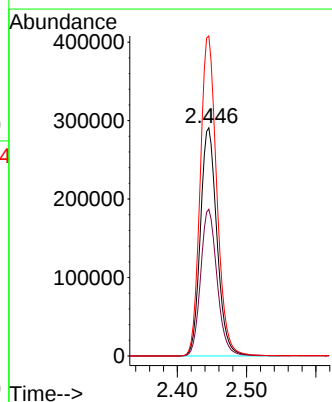
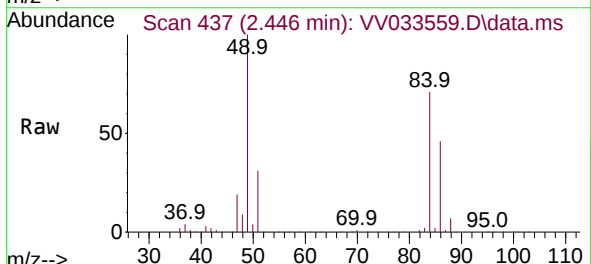
Instrument :
MSVOA_V
ClientSampleId :

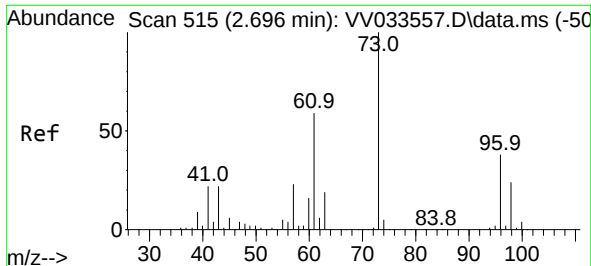
Tgt Ion: 43 Resp: 592816
Ion Ratio Lower Upper
43 100
74 20.6 0.0 0.0#



#16
Methylene chloride
Concen: 184.351 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion: 84 Resp: 481852
Ion Ratio Lower Upper
84 100
86 64.3 43.9 81.5
49 140.2 98.3 182.5

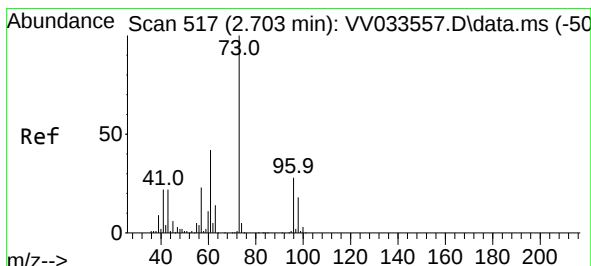
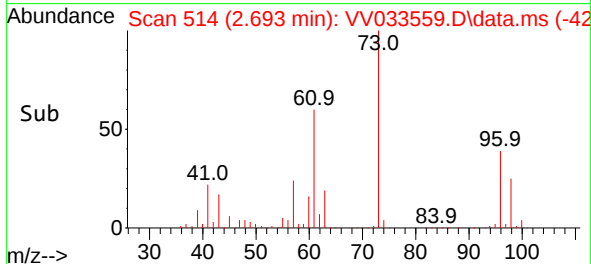
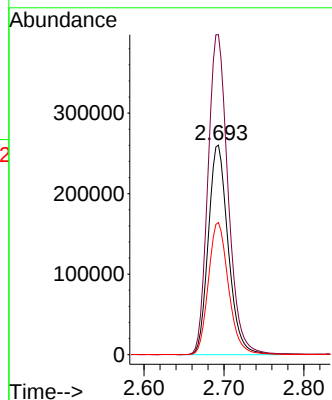
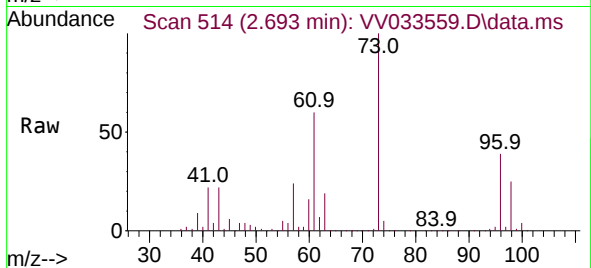




#17
trans-1,2-Dichloroethene
Concen: 202.868 ug/L
RT: 2.693 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

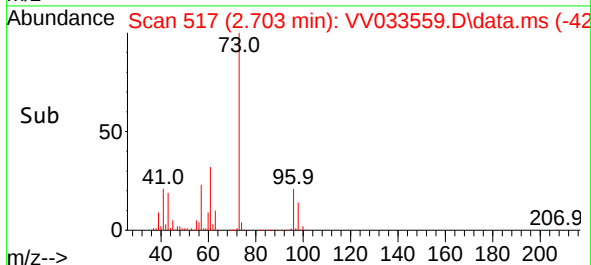
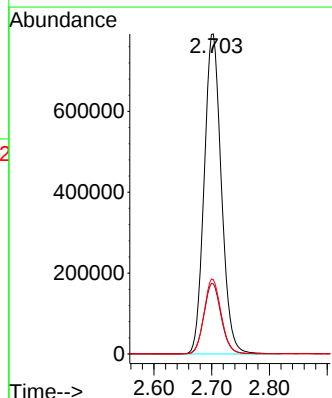
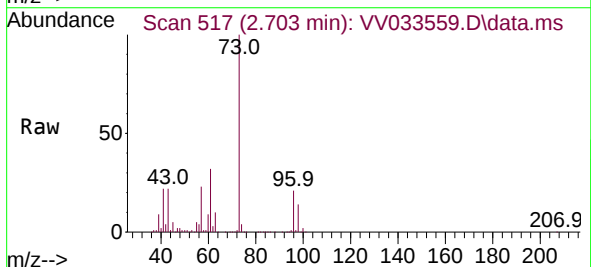
Instrument :
MSVOA_V
ClientSampleId :

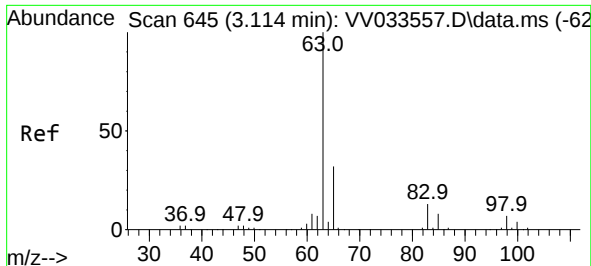
Tgt Ion: 96 Resp: 451111
Ion Ratio Lower Upper
96 100
61 152.7 108.4 201.4
98 63.0 43.8 81.4



#18
Methyl tert-butyl Ether
Concen: 232.812 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

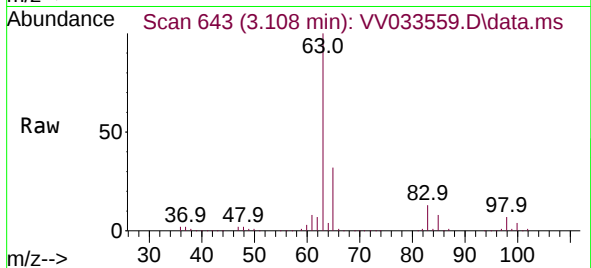
Tgt Ion: 73 Resp: 1634228
Ion Ratio Lower Upper
73 100
43 21.9 17.4 26.2
57 23.3 18.6 27.8



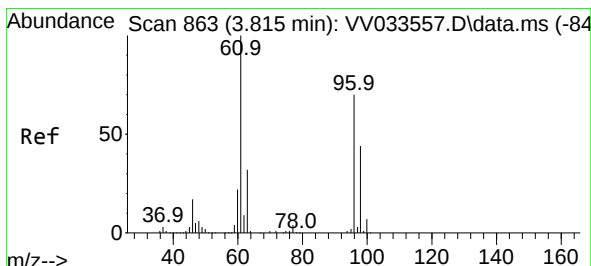
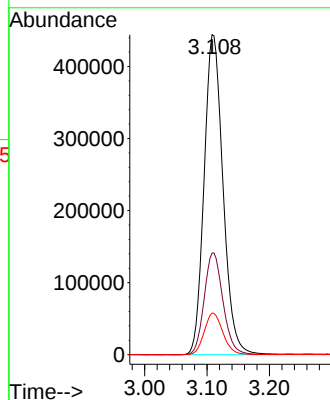
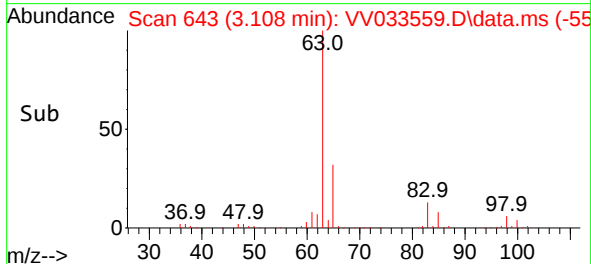


#19
1,1-Dichloroethane
Concen: 215.433 ug/L
RT: 3.108 min Scan# 64
Delta R.T. -0.006 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Instrument :
MSVOA_V
ClientSampleId :

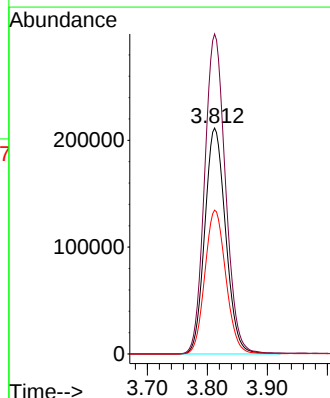
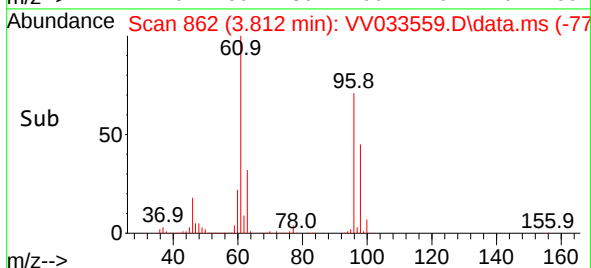
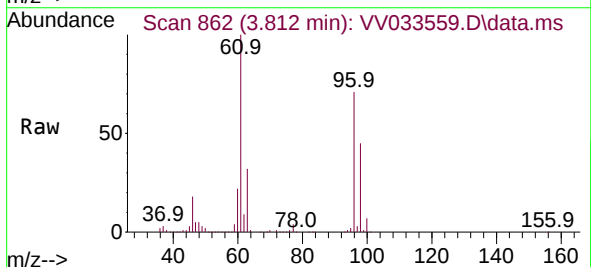


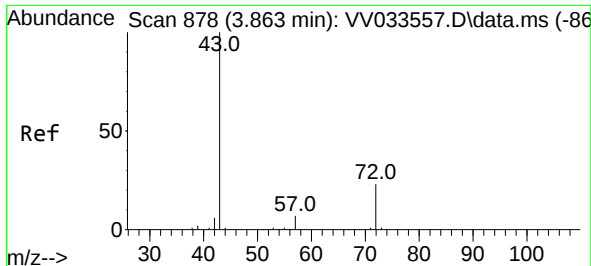
Tgt Ion: 63 Resp: 934934
Ion Ratio Lower Upper
63 100
65 31.8 22.4 41.6
83 13.0 8.9 16.5



#20
cis-1,2-Dichloroethene
Concen: 203.644 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.003 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion: 96 Resp: 513933
Ion Ratio Lower Upper
96 100
61 141.6 100.6 186.8
98 63.7 44.6 82.8

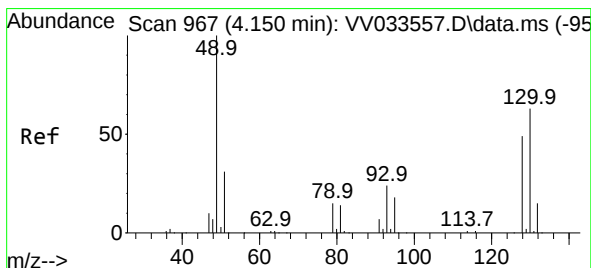
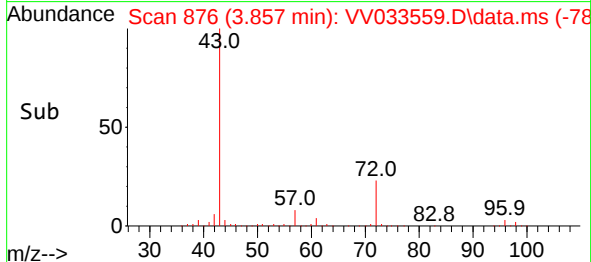
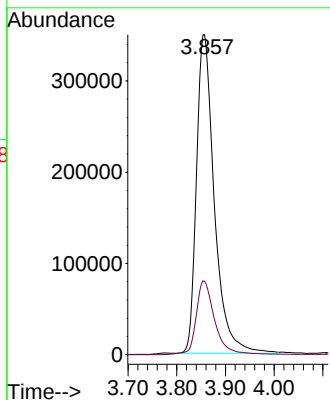
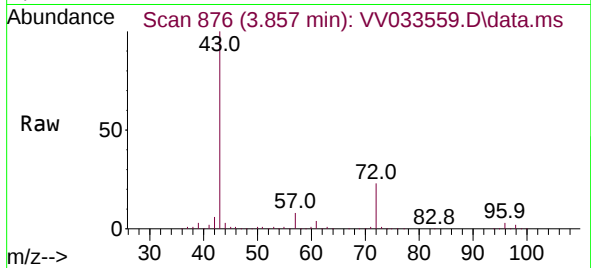




#22
2-Butanone
Concen: 552.163 ug/L
RT: 3.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

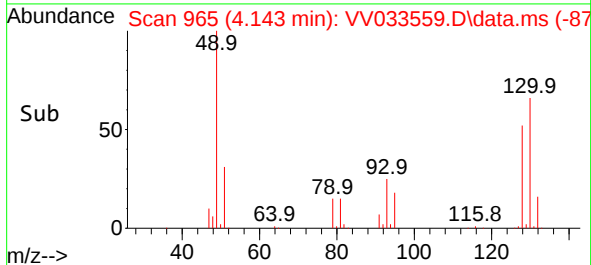
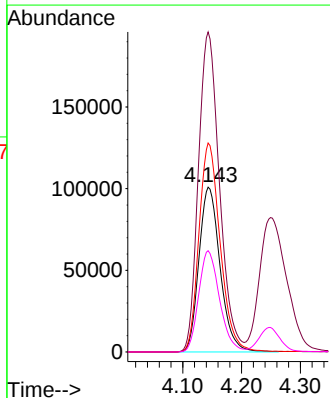
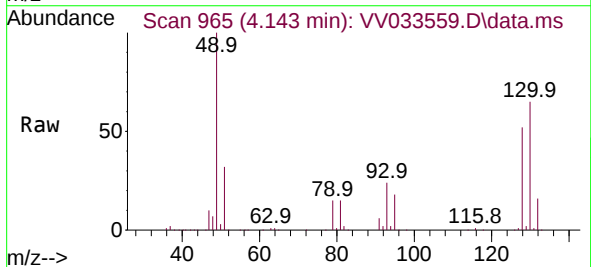
Instrument :
MSVOA_V
ClientSampleId :

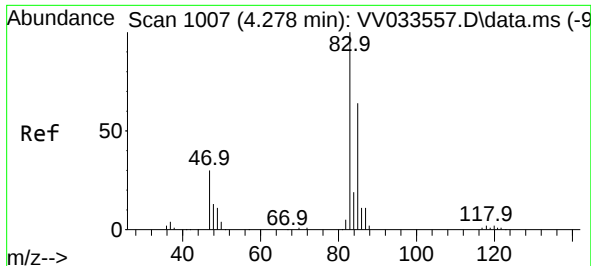
Tgt Ion: 43 Resp: 890636
Ion Ratio Lower Upper
43 100
72 24.0 11.9 35.5



#23
Bromochloromethane
Concen: 185.976 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.006 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion:128 Resp: 252110
Ion Ratio Lower Upper
128 100
49 194.1 143.9 267.2
130 126.7 90.6 168.2
51 61.5 51.0 76.6

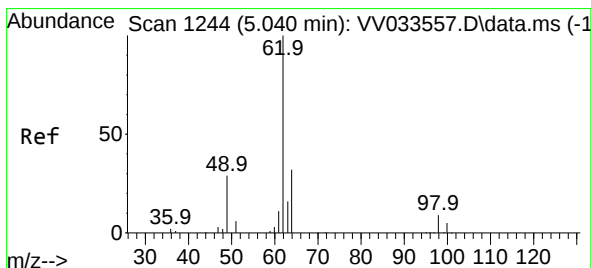
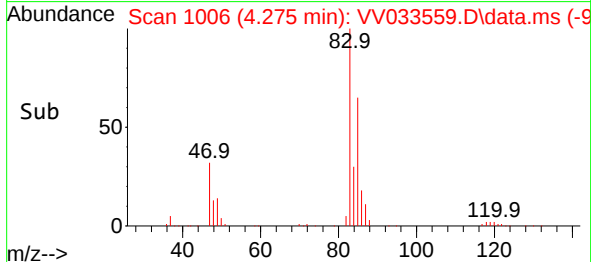
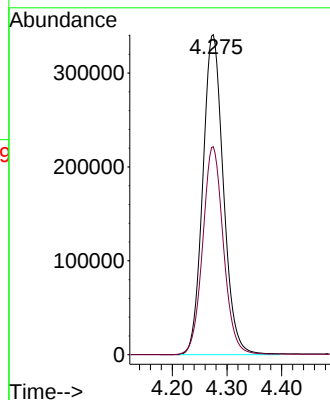
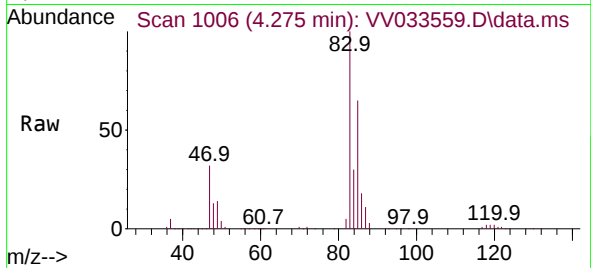




#25
Chloroform
Concen: 188.489 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.003 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

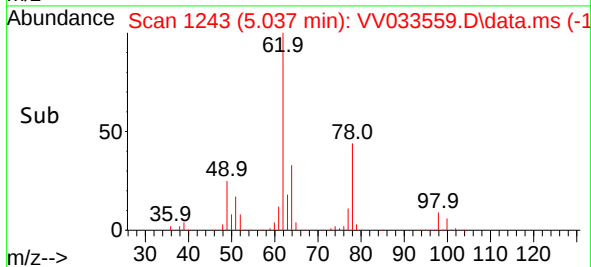
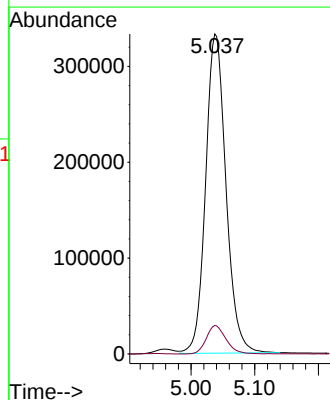
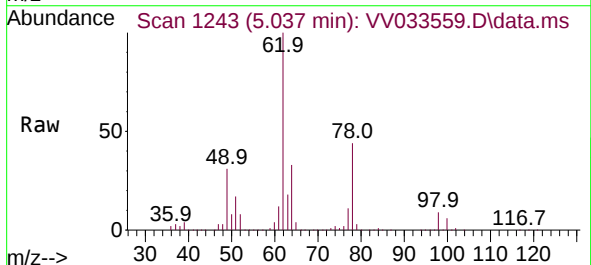
Instrument :
MSVOA_V
ClientSampleId :

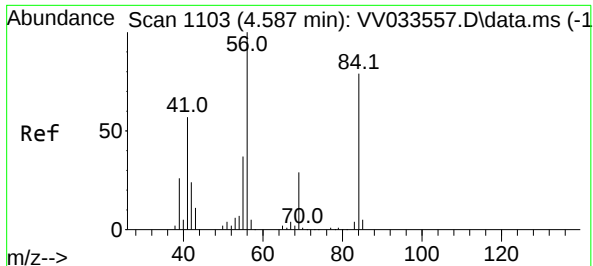
Tgt Ion: 83 Resp: 891617
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 201.496 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.003 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion: 62 Resp: 741288
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2





#29

Cyclohexane

Concen: 279.039 ug/L

RT: 4.580 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

ClientSampleId :

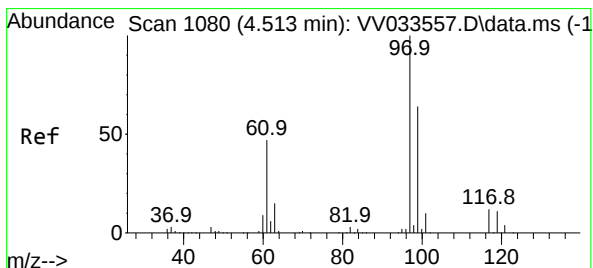
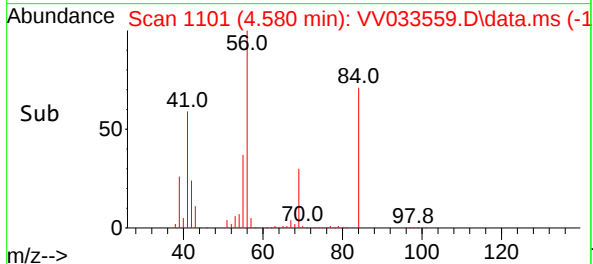
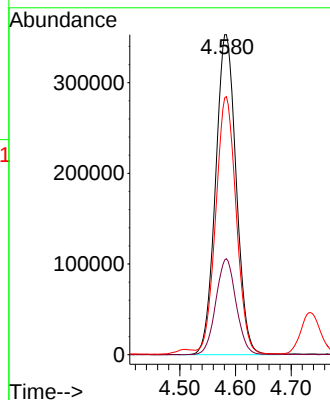
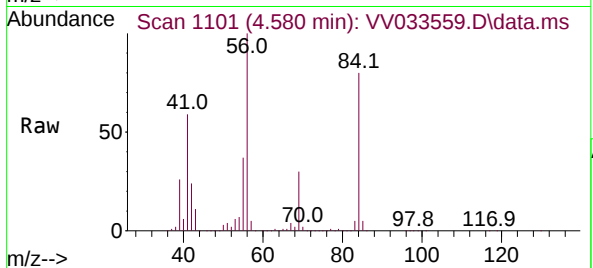
Tgt Ion: 56 Resp: 907638

Ion Ratio Lower Upper

56 100

69 29.6 23.8 35.6

84 79.6 63.8 95.6



#30

1,1,1-Trichloroethane

Concen: 195.702 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

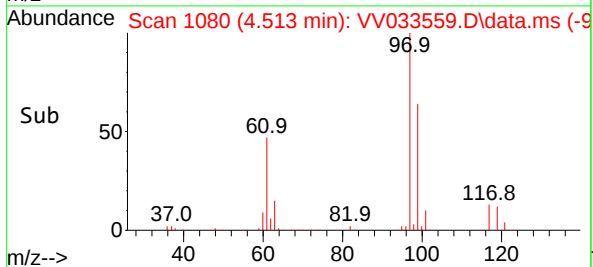
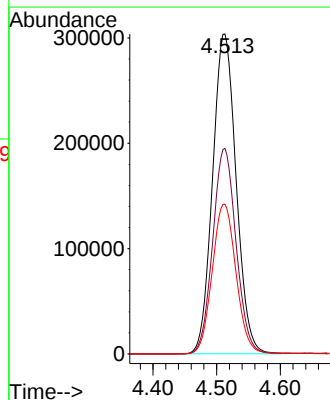
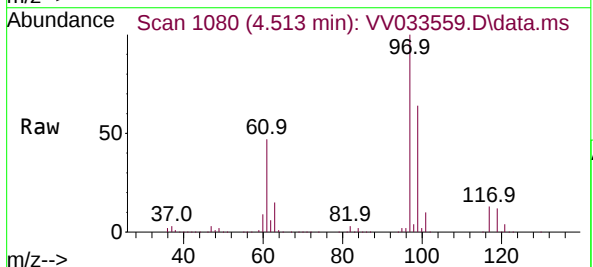
Tgt Ion: 97 Resp: 781866

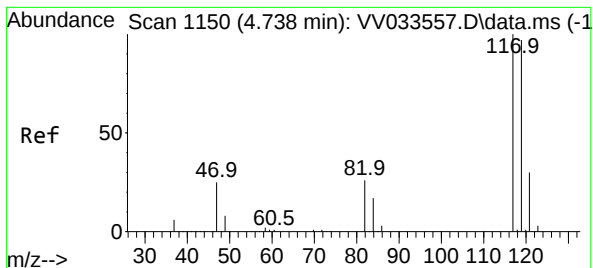
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 47.3 38.2 57.2





#31

Carbon tetrachloride

Concen: 189.795 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

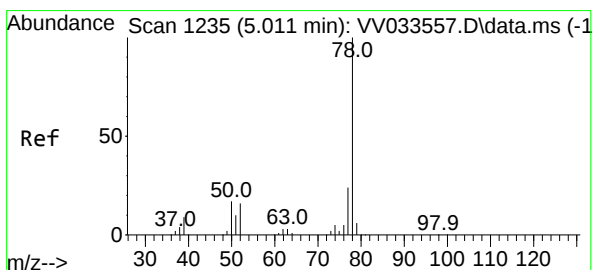
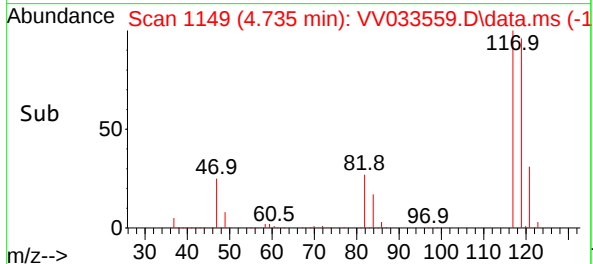
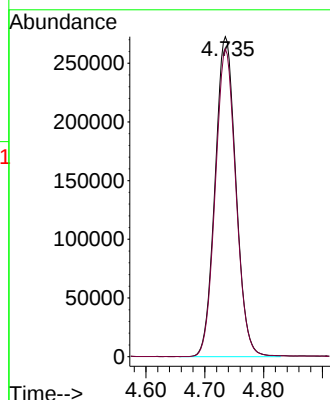
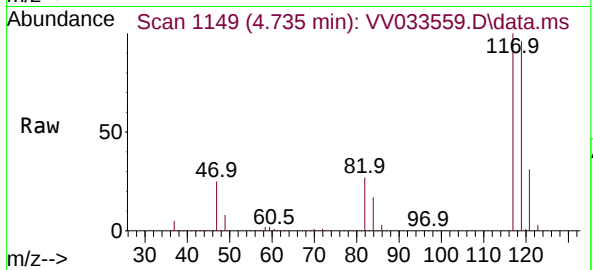
ClientSampleId :

Tgt Ion:117 Resp: 671737

Ion Ratio Lower Upper

117 100

119 95.1 77.0 115.4



#33

Benzene

Concen: 216.739 ug/L

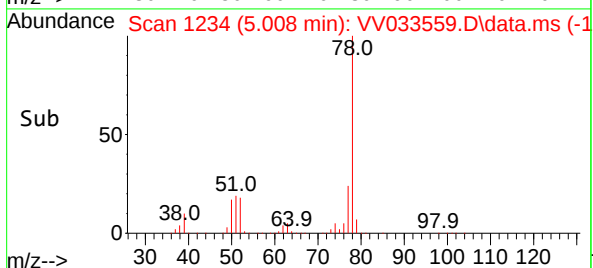
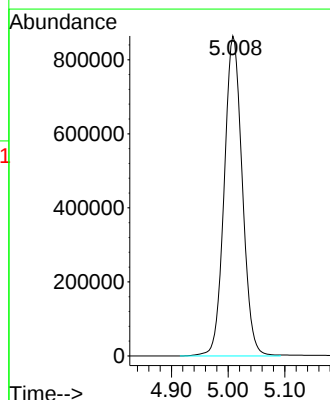
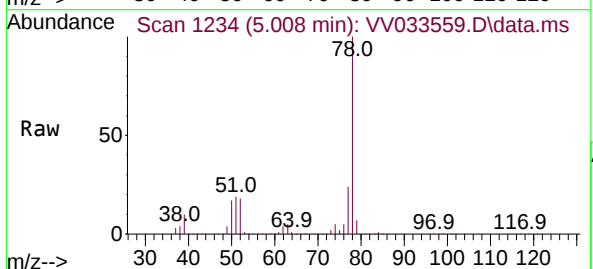
RT: 5.008 min Scan# 1234

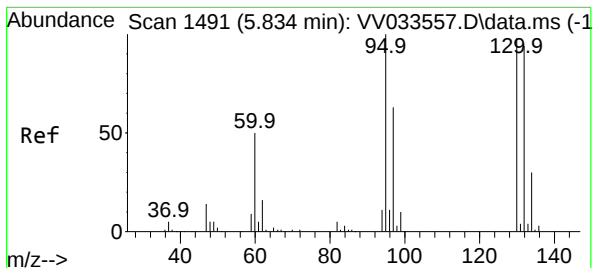
Delta R.T. -0.003 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Tgt Ion: 78 Resp: 1910879





#34

Trichloroethene

Concen: 213.534 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 517030

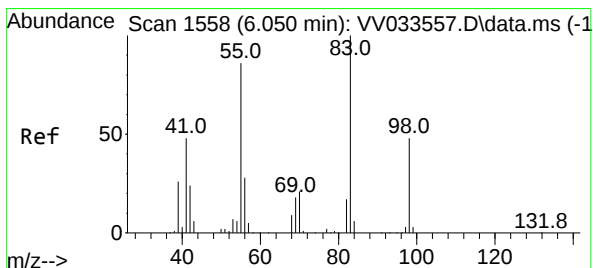
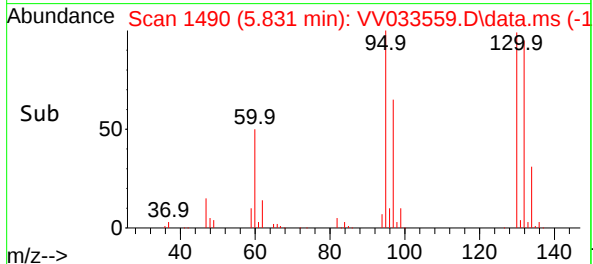
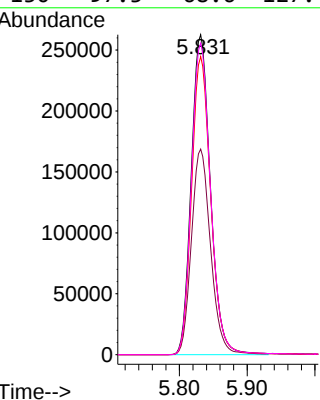
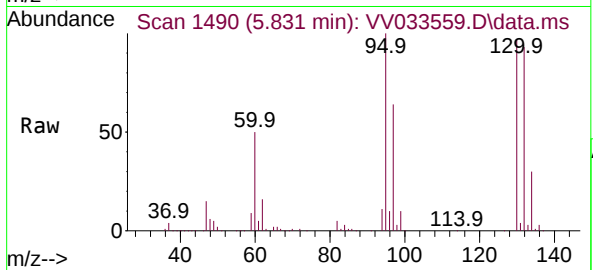
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.4

132 93.1 65.5 121.7

130 97.3 68.6 127.4



#35

Methylcyclohexane

Concen: 242.370 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

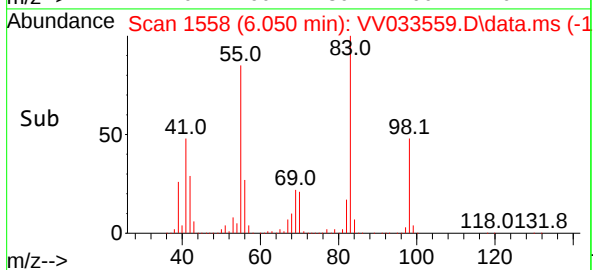
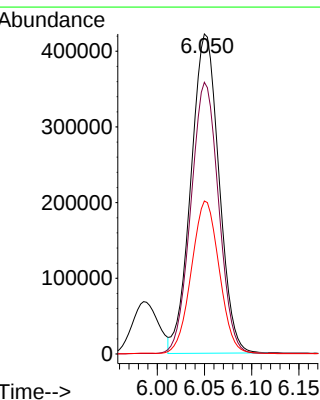
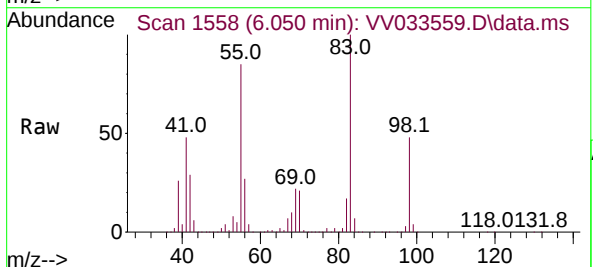
Tgt Ion: 83 Resp: 870250

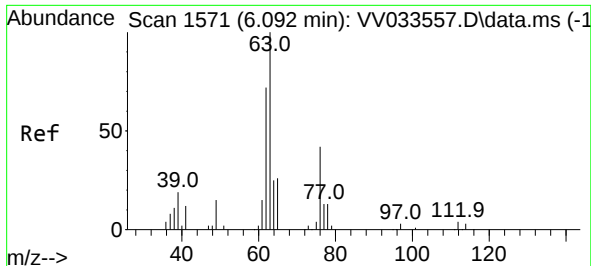
Ion Ratio Lower Upper

83 100

55 84.0 67.1 100.7

98 47.6 37.7 56.5

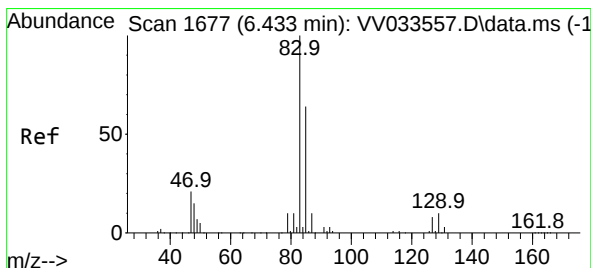
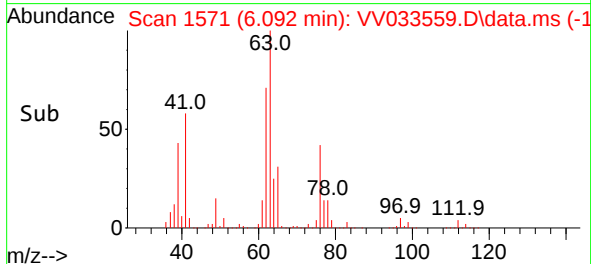
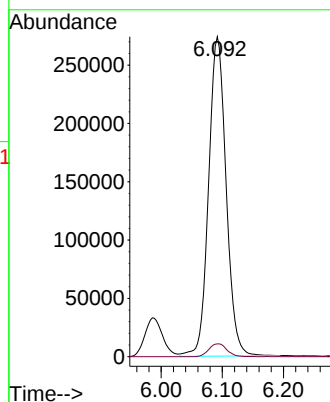
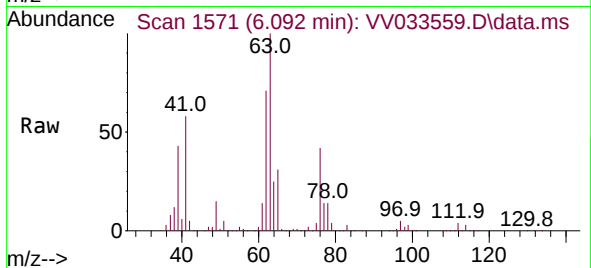




#37
1,2-Dichloropropane
Concen: 225.956 ug/L
RT: 6.092 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

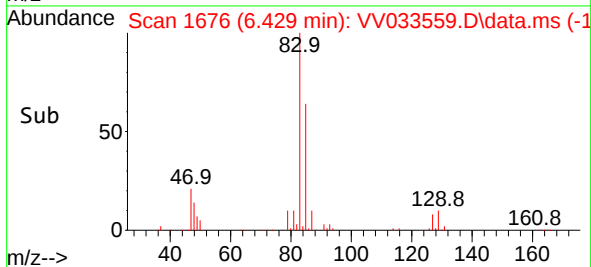
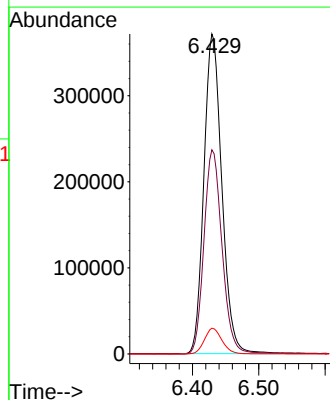
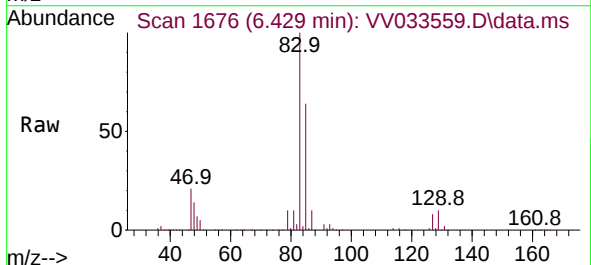
Instrument :
MSVOA_V
ClientSampleId :

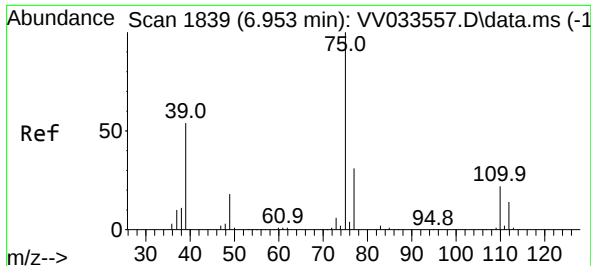
Tgt Ion: 63 Resp: 545222
Ion Ratio Lower Upper
63 100
112 4.2 3.1 4.7



#38
Bromodichloromethane
Concen: 205.517 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.003 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion: 83 Resp: 698778
Ion Ratio Lower Upper
83 100
85 63.8 45.1 83.7
127 8.0 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 262.335 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

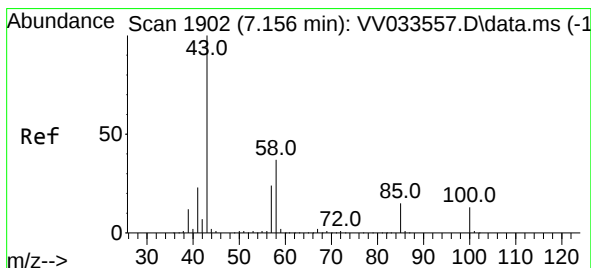
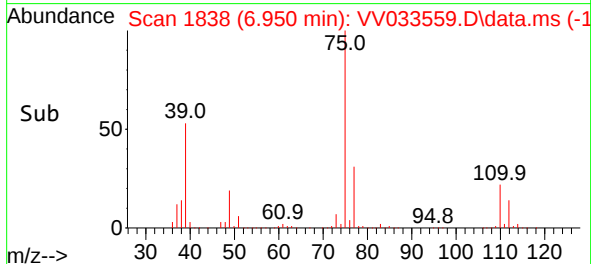
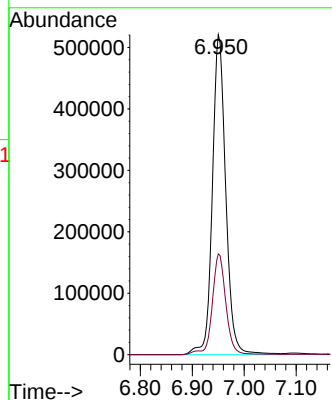
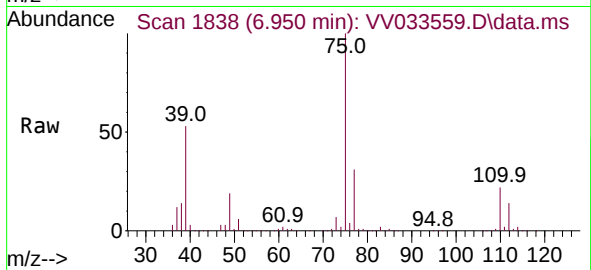
ClientSampleId :

Tgt Ion: 75 Resp: 934234

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 588.143 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

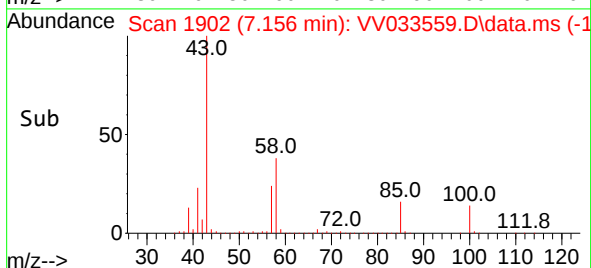
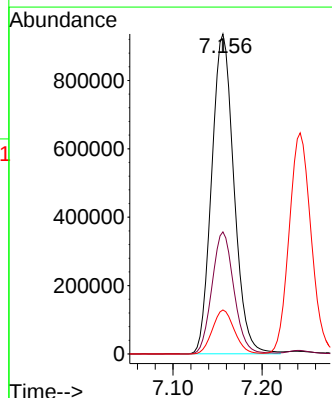
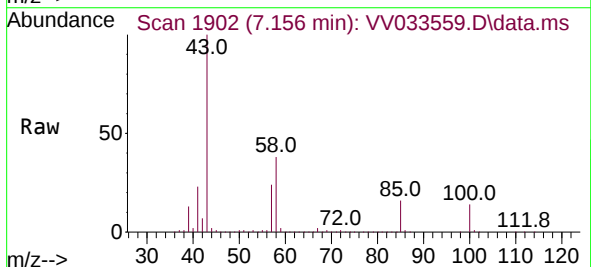
Tgt Ion: 43 Resp: 1624571

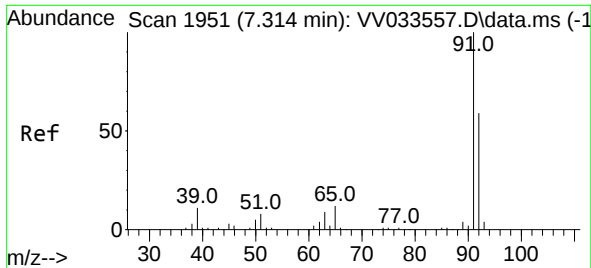
Ion Ratio Lower Upper

43 100

58 37.7 29.6 44.4

100 13.6 10.6 16.0





#42

Toluene

Concen: 217.055 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

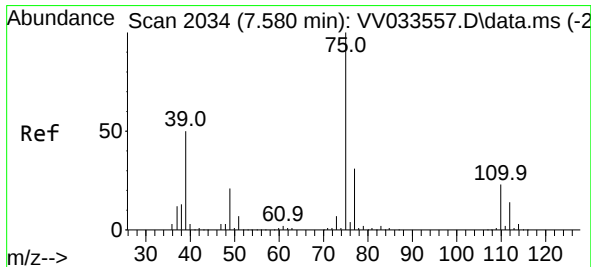
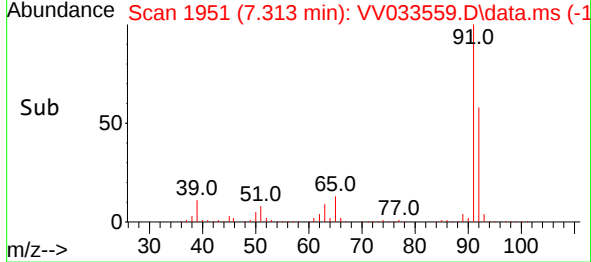
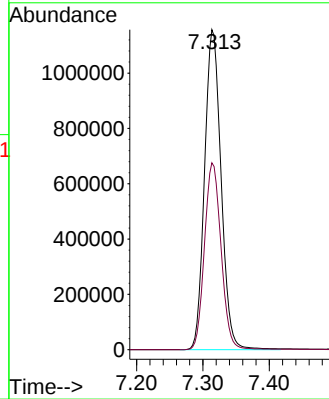
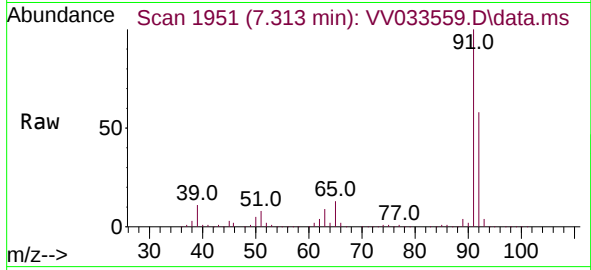
ClientSampleId :

Tgt Ion: 91 Resp: 2005761

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 240.227 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV033559.D

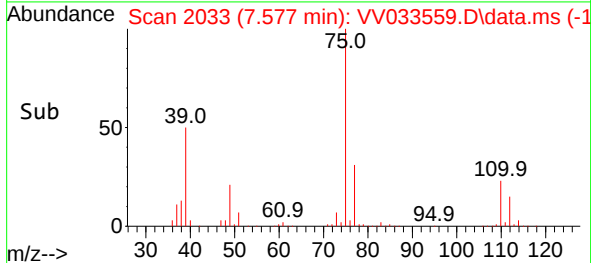
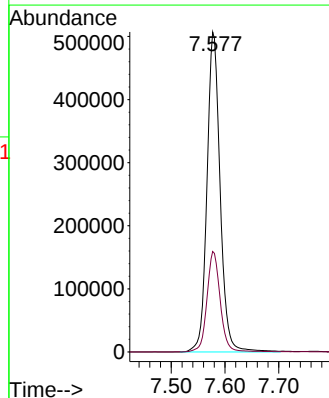
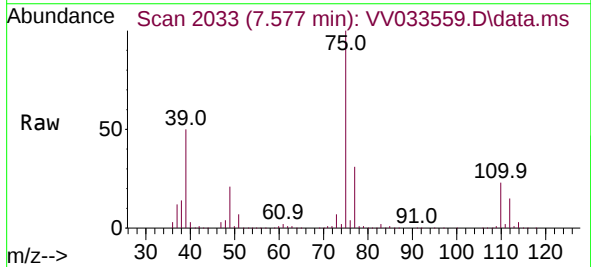
Acq: 10 Jan 2024 13:49

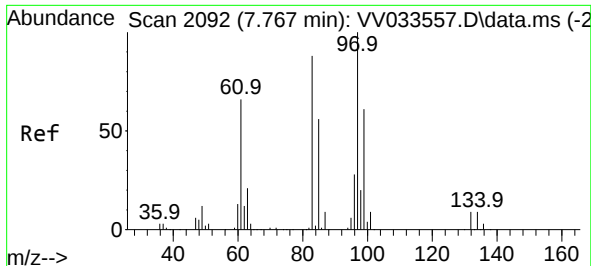
Tgt Ion: 75 Resp: 860039

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



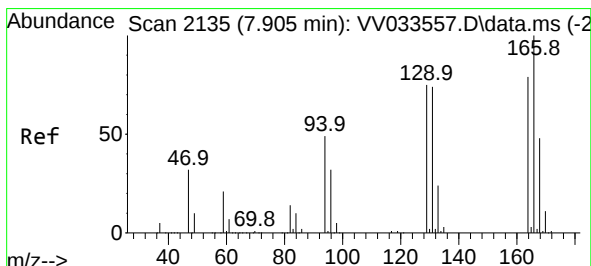
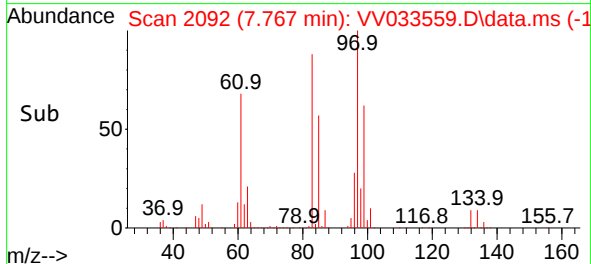
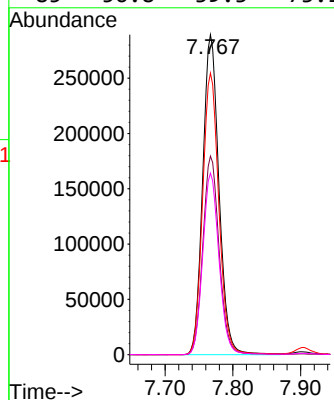
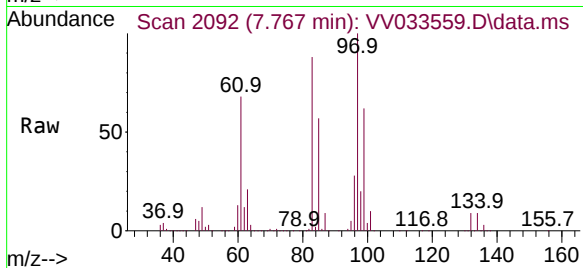


#45
1,1,2-Trichloroethane
Concen: 197.950 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 97 Resp: 482365

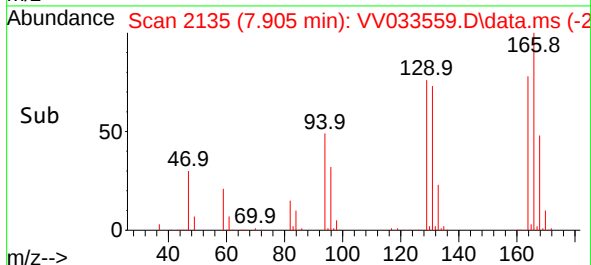
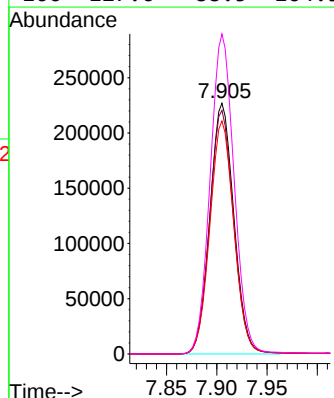
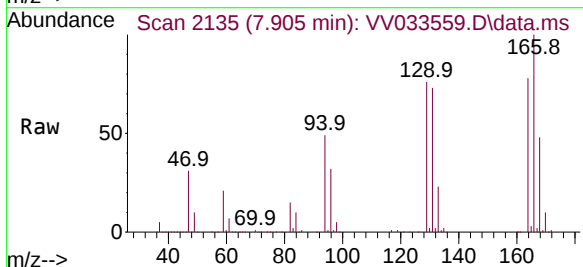
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.8	79.6
83	88.0	61.2	113.8
85	56.8	39.3	73.1

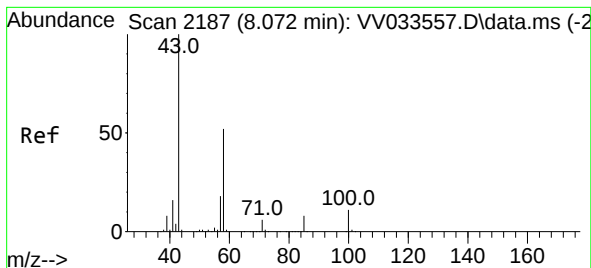


#46
Tetrachloroethene
Concen: 202.910 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion: 164 Resp: 377615

Ion	Ratio	Lower	Upper
164	100		
129	97.1	66.1	122.7
131	92.9	65.9	122.5
166	127.6	88.5	164.3





#48

2-Hexanone

Concen: 583.570 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

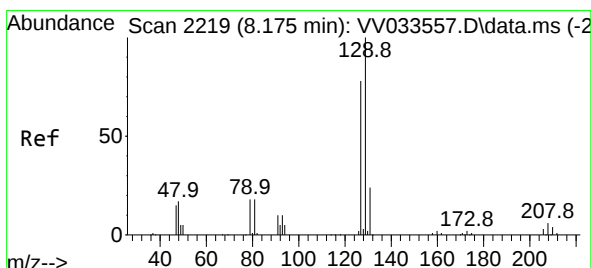
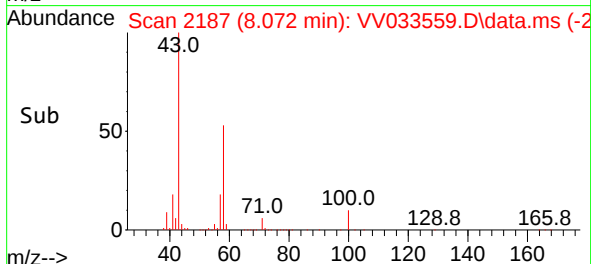
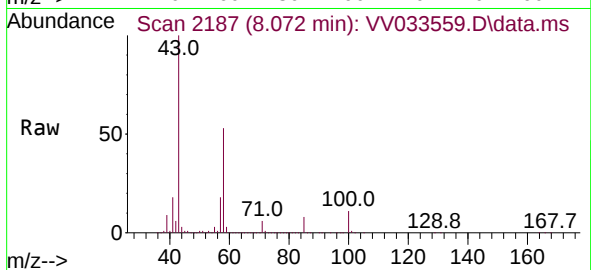
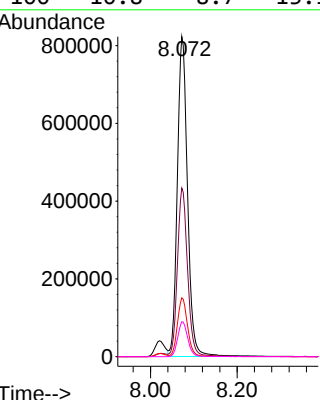
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 1341997

Ion	Ratio	Lower	Upper
43	100		
58	52.2	42.3	63.5
57	18.1	14.2	21.2
100	10.8	8.7	13.1



#49

Dibromochloromethane

Concen: 200.156 ug/L

RT: 8.175 min Scan# 2219

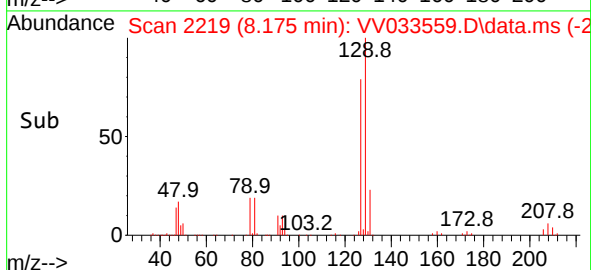
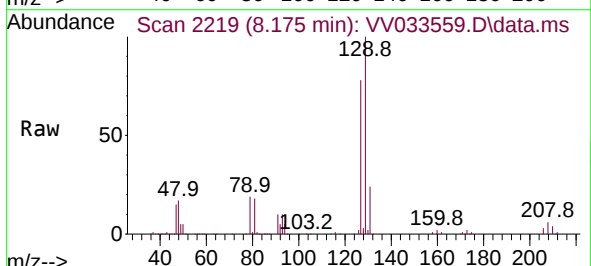
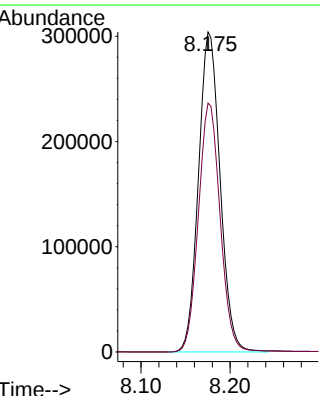
Delta R.T. -0.000 min

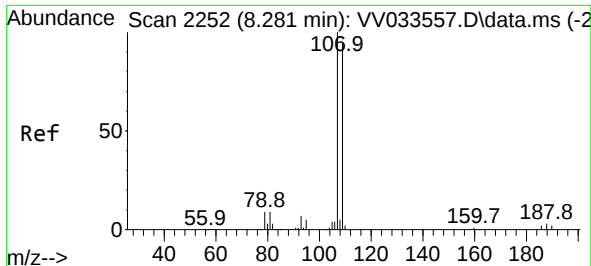
Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Tgt Ion: 129 Resp: 512189

Ion	Ratio	Lower	Upper
129	100		
127	77.8	54.5	101.3





#50

1,2-Dibromoethane

Concen: 205.087 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

ClientSampleId :

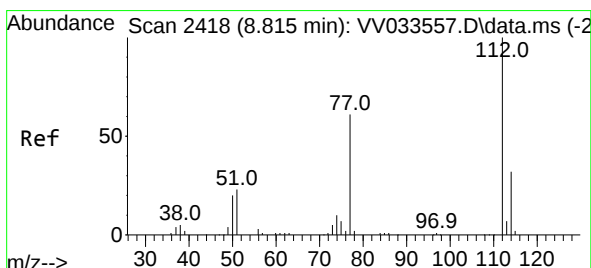
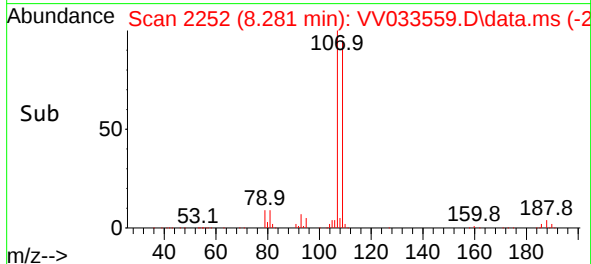
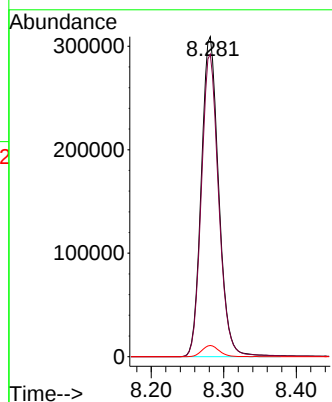
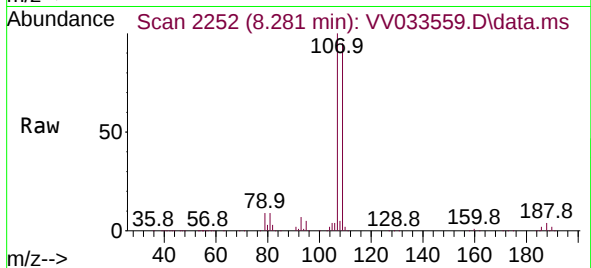
Tgt Ion:107 Resp: 516130

Ion Ratio Lower Upper

107 100

109 94.5 66.4 123.4

188 3.5 2.7 4.1



#51

Chlorobenzene

Concen: 197.481 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

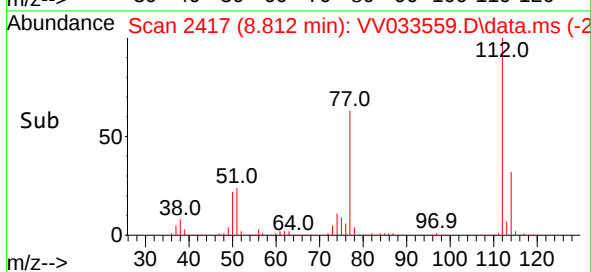
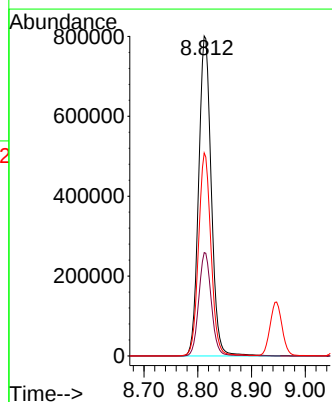
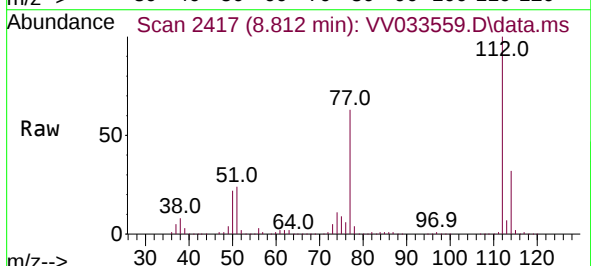
Tgt Ion:112 Resp: 1302455

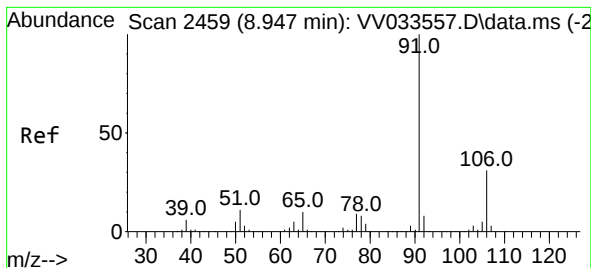
Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.7

77 63.4 49.4 74.0





#52

Ethylbenzene

Concen: 224.645 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

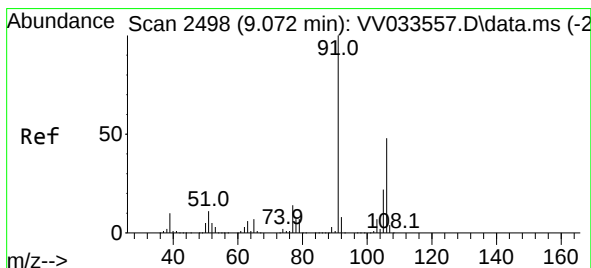
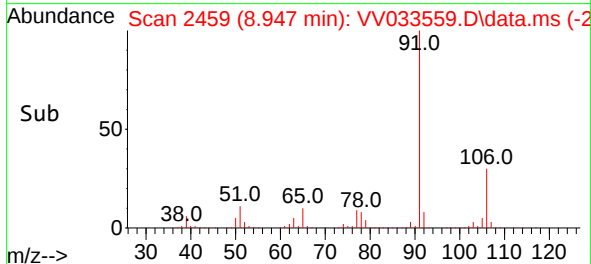
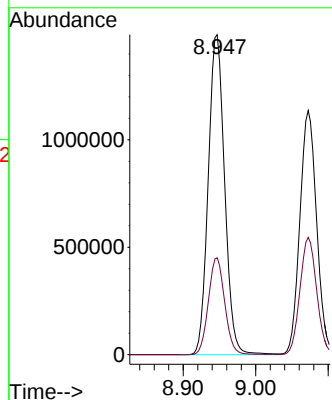
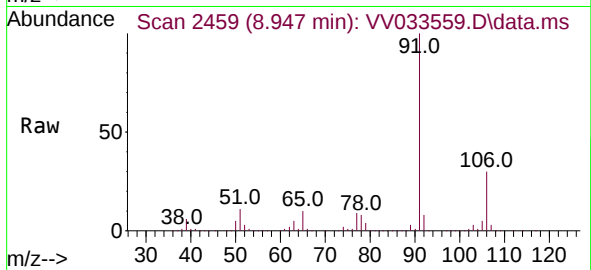
ClientSampleId :

Tgt Ion: 91 Resp: 2343270

Ion Ratio Lower Upper

91 100

106 30.3 21.5 39.9



#53

m,p-Xylene

Concen: 226.492 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. -0.000 min

Lab File: VV033559.D

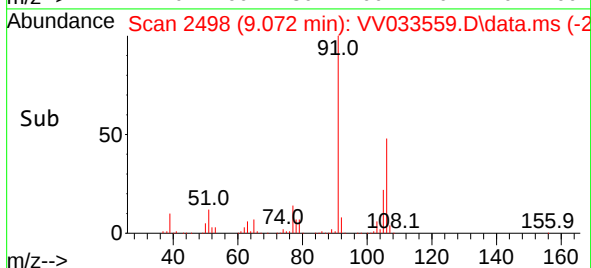
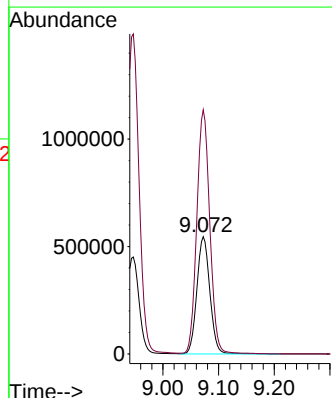
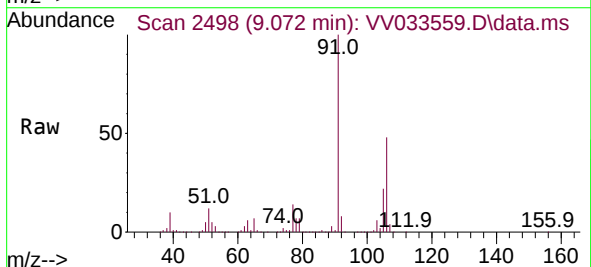
Acq: 10 Jan 2024 13:49

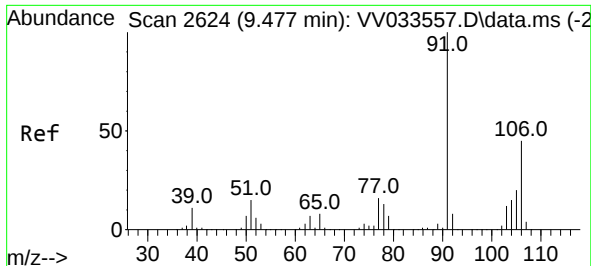
Tgt Ion: 106 Resp: 881887

Ion Ratio Lower Upper

106 100

91 208.1 146.1 271.3

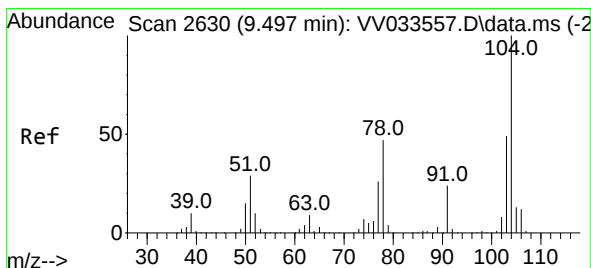
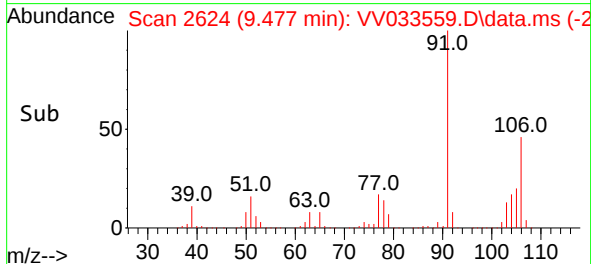
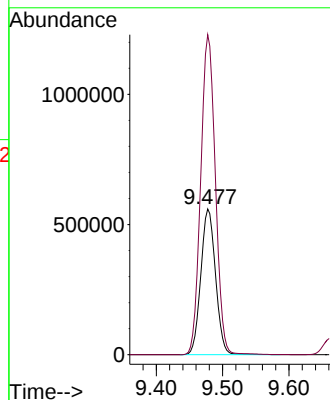
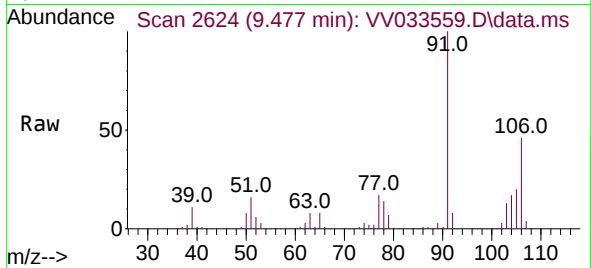




#54
o-Xylene
Concen: 226.231 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

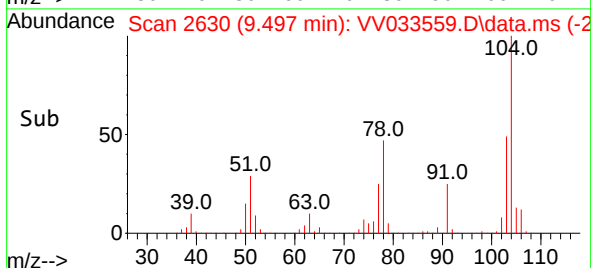
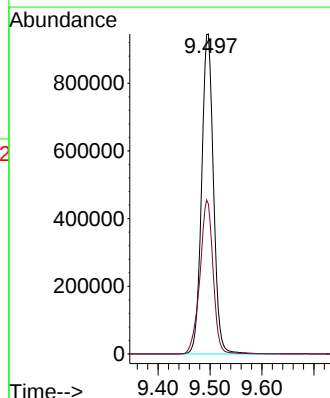
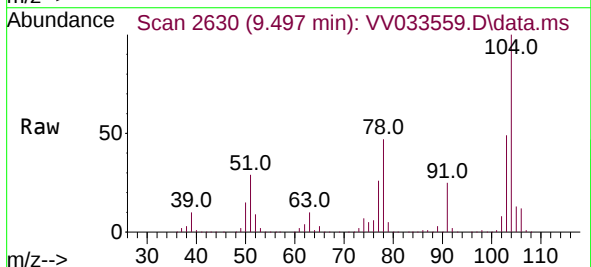
Instrument :
MSVOA_V
ClientSampleId :

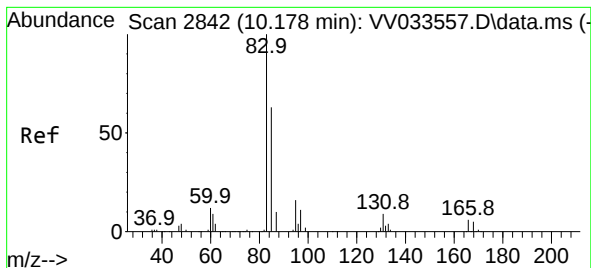
Tgt Ion:106 Resp: 861111
Ion Ratio Lower Upper
106 100
91 219.5 155.2 288.2



#55
Styrene
Concen: 226.296 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion:104 Resp: 1499064
Ion Ratio Lower Upper
104 100
78 46.9 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 214.801 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

ClientSampleId :

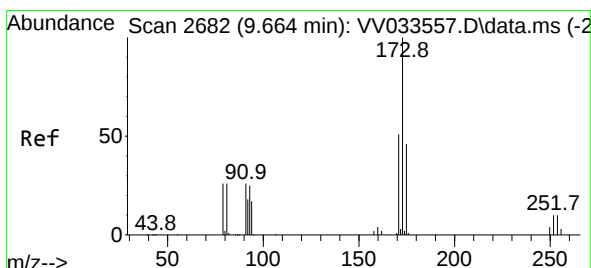
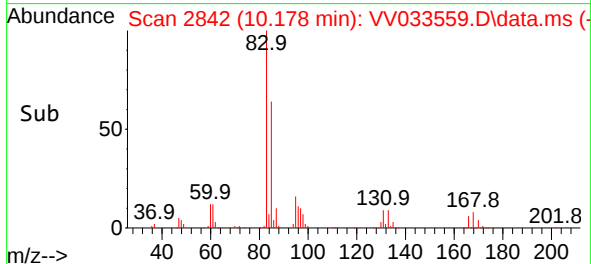
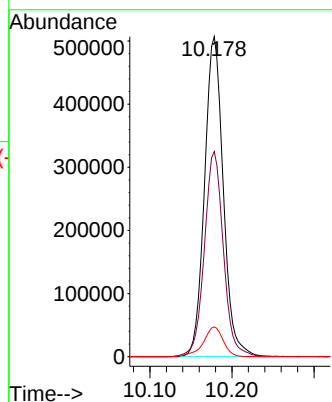
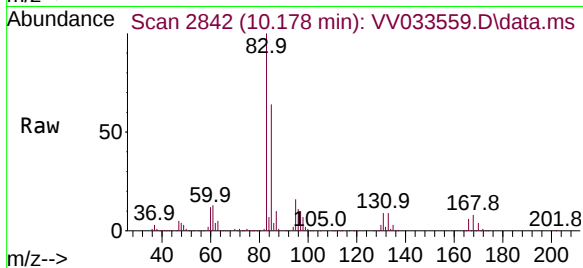
Tgt Ion: 83 Resp: 804214

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

131 9.3 7.5 11.3



#59

Bromoform

Concen: 212.862 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

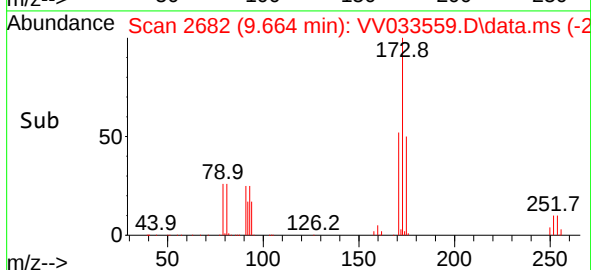
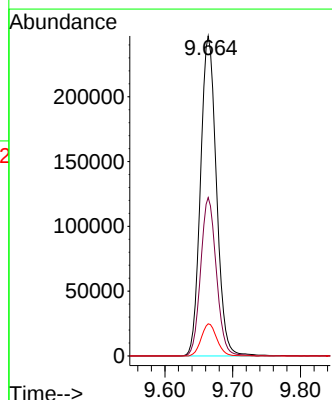
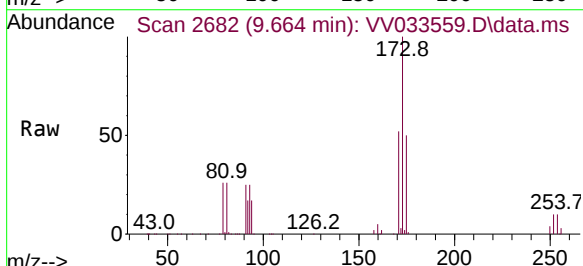
Tgt Ion: 173 Resp: 402099

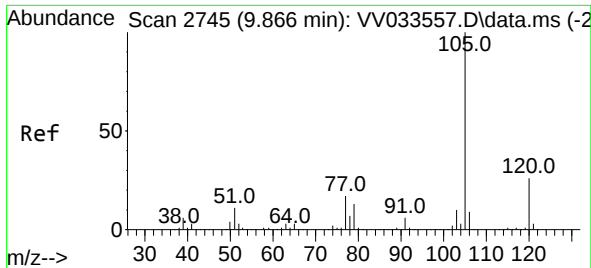
Ion Ratio Lower Upper

173 100

175 48.7 37.2 55.8

254 9.9 7.4 11.0

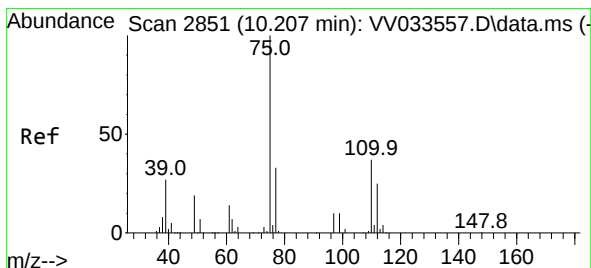
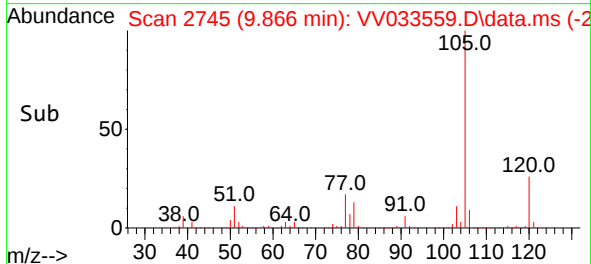
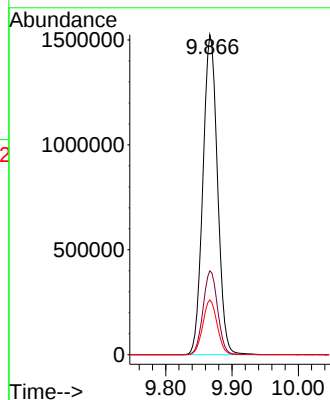
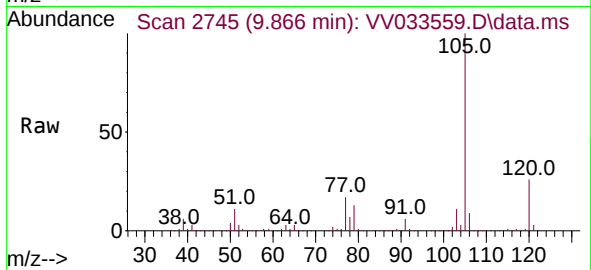




#60
Isopropylbenzene
Concen: 220.681 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

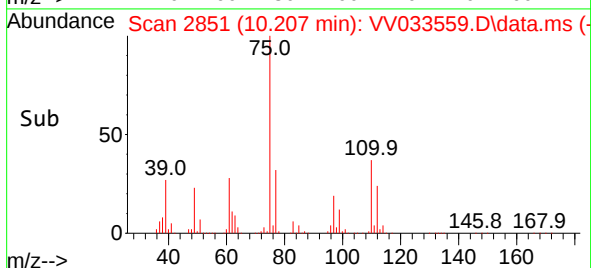
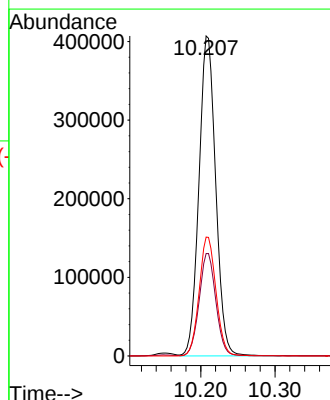
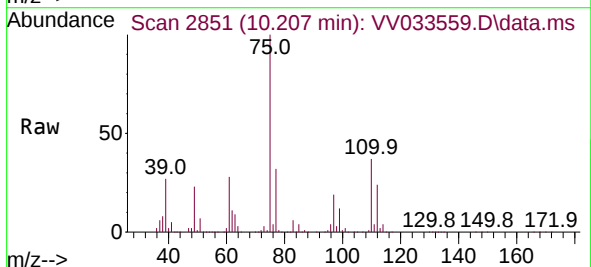
Instrument :
MSVOA_V
ClientSampleId :

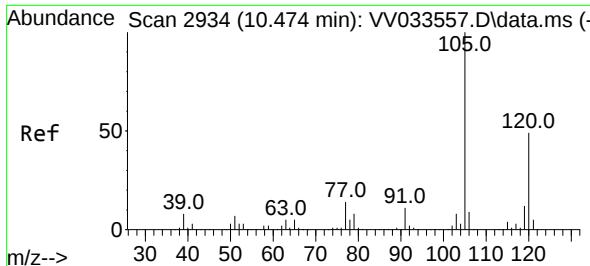
Tgt Ion:105 Resp: 2328003
Ion Ratio Lower Upper
105 100
120 26.2 20.6 31.0
77 16.9 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 215.525 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion: 75 Resp: 636795
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9
110 37.5 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 249.472 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

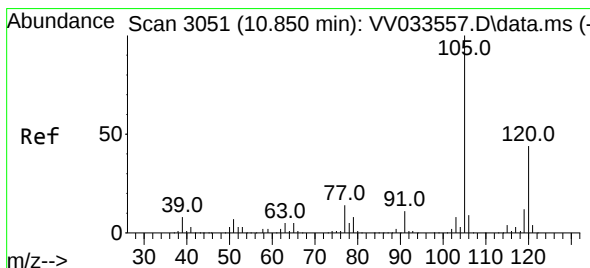
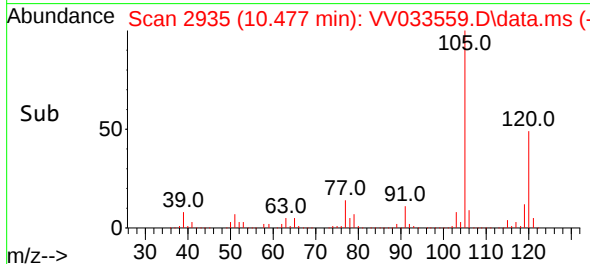
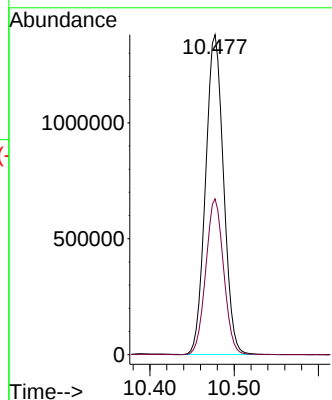
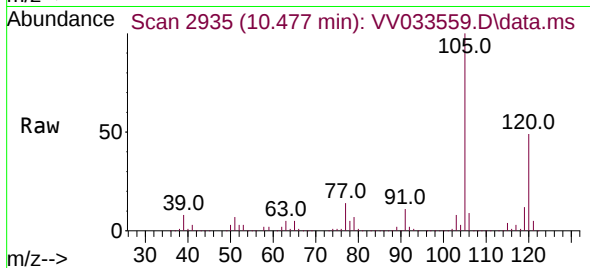
ClientSampleId :

Tgt Ion:105 Resp: 2050726

Ion Ratio Lower Upper

105 100

120 48.4 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 246.285 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033559.D

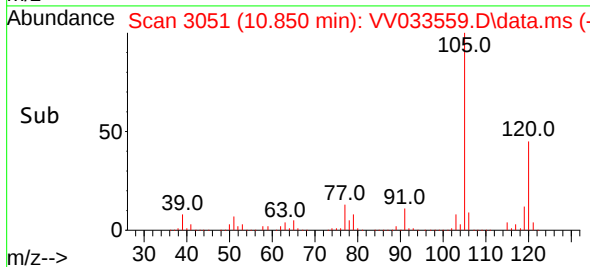
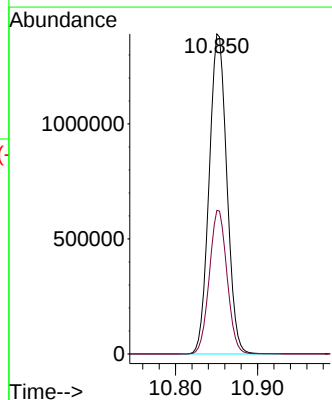
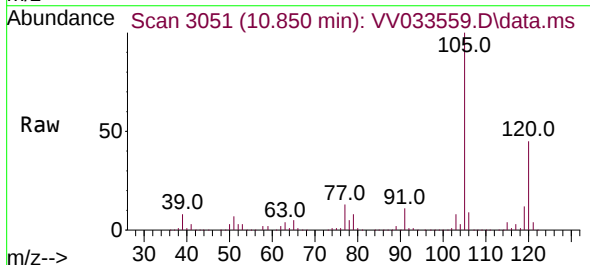
Acq: 10 Jan 2024 13:49

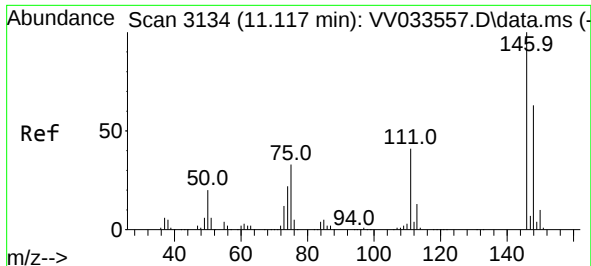
Tgt Ion:105 Resp: 2079767

Ion Ratio Lower Upper

105 100

120 44.9 35.4 53.0

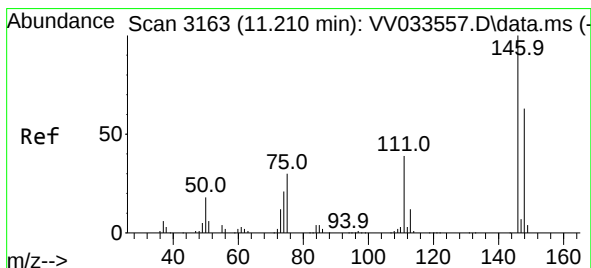
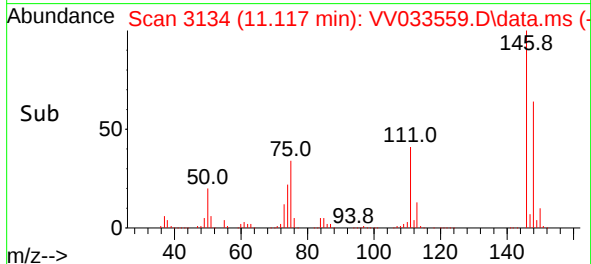
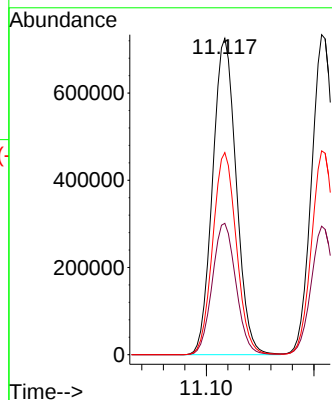
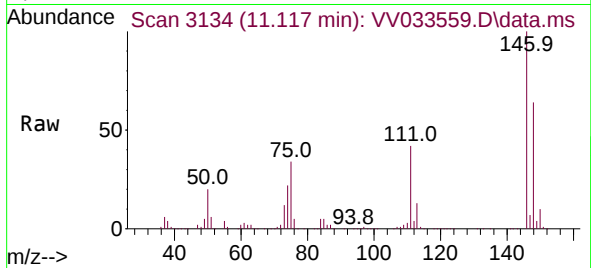




#64
1,3-Dichlorobenzene
Concen: 206.733 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

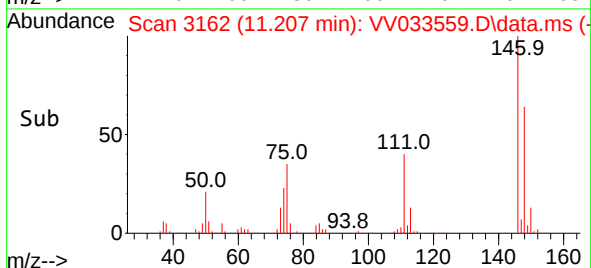
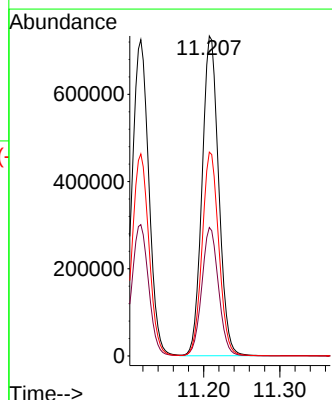
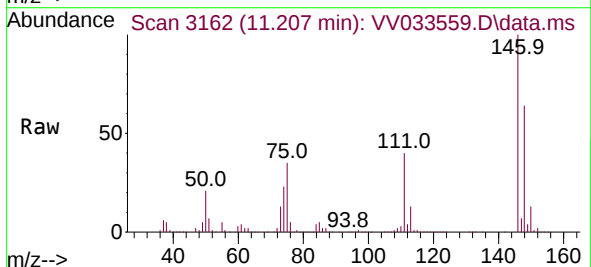
Instrument :
MSVOA_V
ClientSampleId :

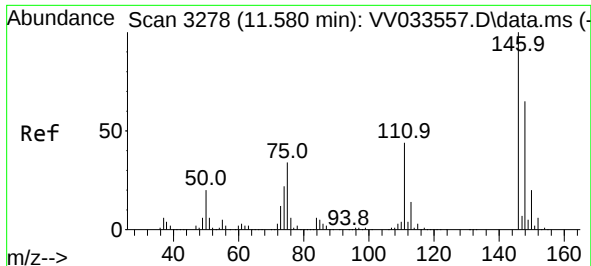
Tgt Ion:146 Resp: 1107991
Ion Ratio Lower Upper
146 100
111 41.5 29.0 53.8
148 63.9 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 195.173 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.003 min
Lab File: VV033559.D
Acq: 10 Jan 2024 13:49

Tgt Ion:146 Resp: 1114898
Ion Ratio Lower Upper
146 100
111 40.2 27.7 51.5
148 63.7 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 197.231 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

ClientSampleId :

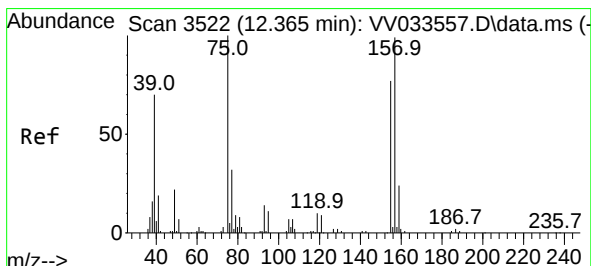
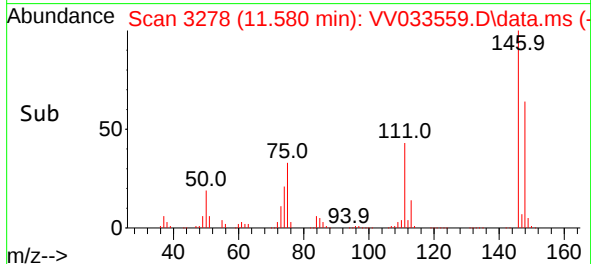
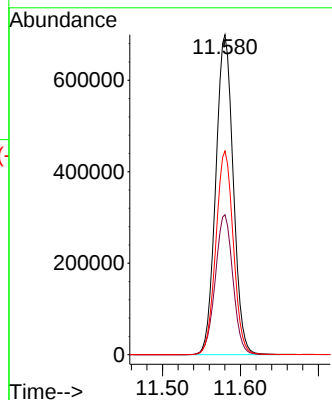
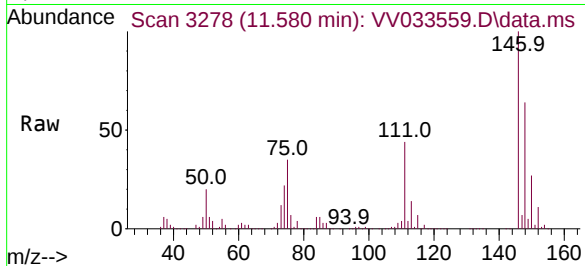
Tgt Ion:146 Resp: 1090120

Ion Ratio Lower Upper

146 100

111 43.8 35.4 53.0

148 63.6 52.0 78.0



#68

1,2-Dibromo-3-chloropropane

Concen: 245.120 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

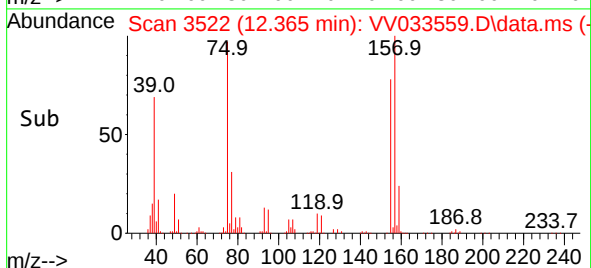
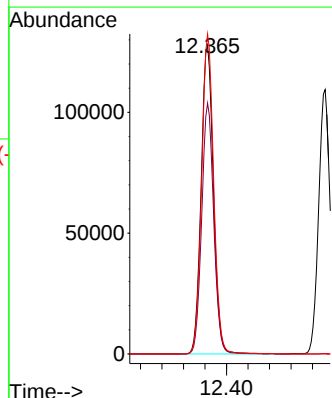
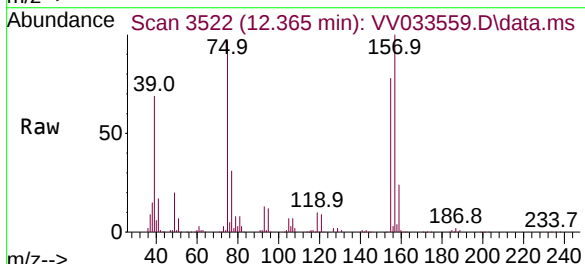
Tgt Ion: 75 Resp: 201906

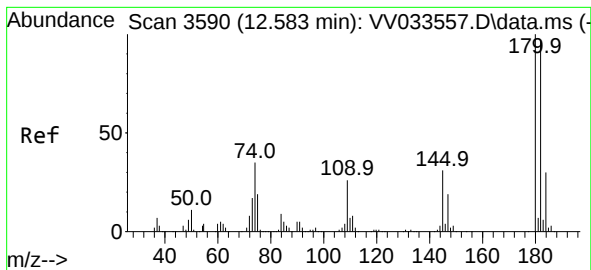
Ion Ratio Lower Upper

75 100

155 81.2 61.6 92.4

157 103.6 79.2 118.8





#69

1,3,5-Trichlorobenzene

Concen: 225.358 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

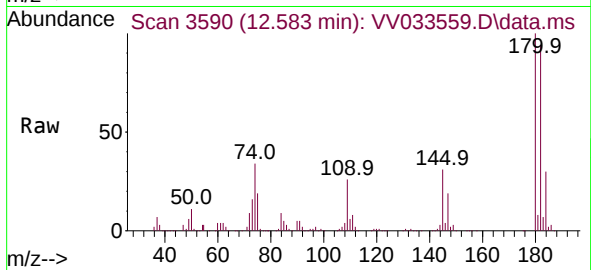
Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 854651

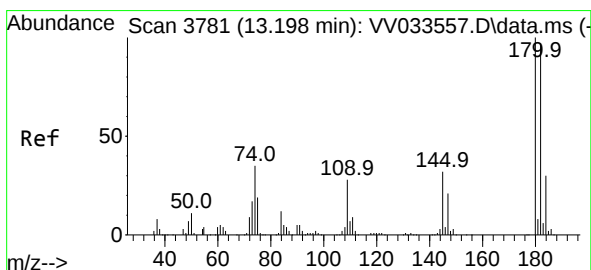
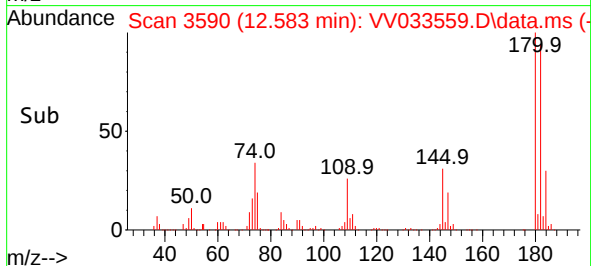
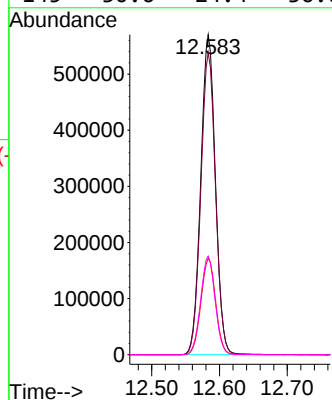
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.2

184 30.2 23.9 35.9

145 30.6 24.4 36.6



#70

1,2,4-trichlorobenzene

Concen: 230.280 ug/L

RT: 13.198 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

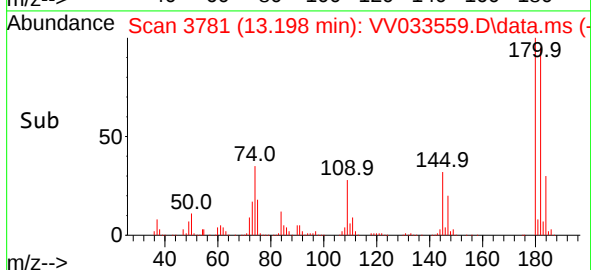
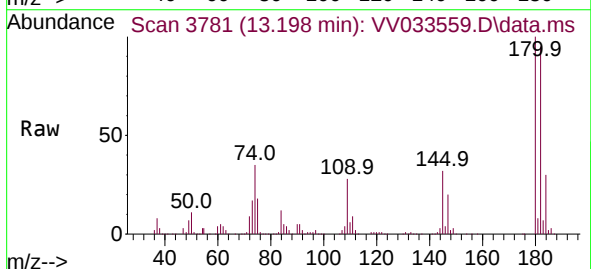
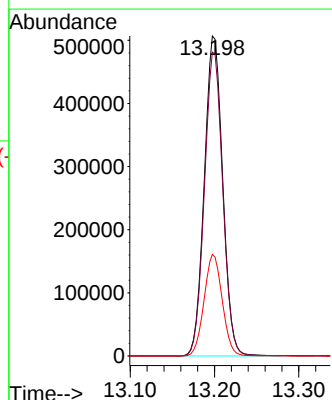
Tgt Ion:180 Resp: 770854

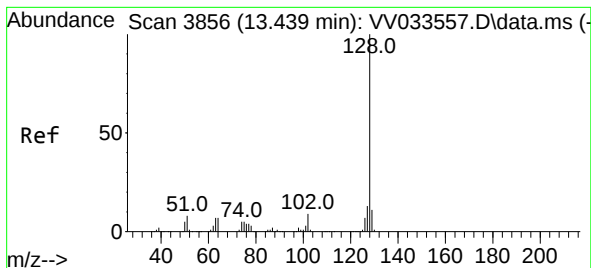
Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 31.4 25.4 38.0





#71

Naphthalene

Concen: 236.110 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Instrument :

MSVOA_V

ClientSampleId :

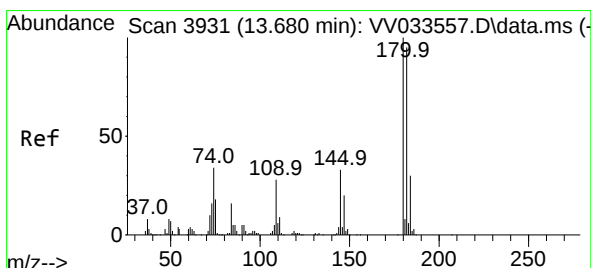
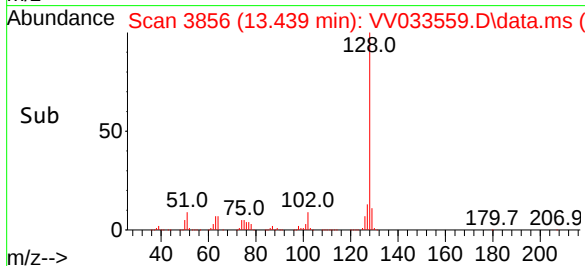
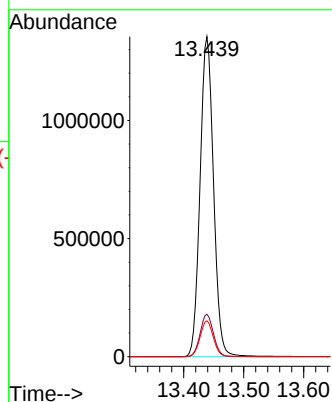
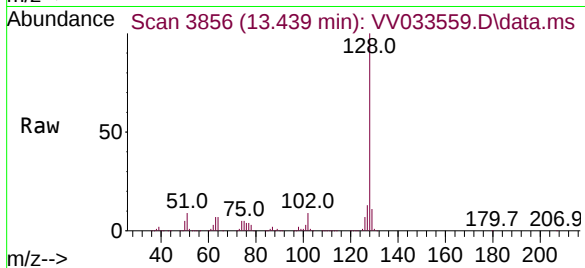
Tgt Ion:128 Resp: 2117786

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 222.900 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033559.D

Acq: 10 Jan 2024 13:49

Tgt Ion:180 Resp: 714360

Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

145 33.1 26.3 39.5

