

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120123\
 Data File : VV033077.D
 Acq On : 01 Dec 2023 14:11
 Operator : SY/MD
 Sample : VSTD200
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 04 03:56:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 04 03:53:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	346255	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	353877	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	230432	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	429930	207.705	ug/L	0.00
7) Chloroethane-d5	1.523	69	291644	202.216	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	155224	197.124	ug/L	0.00
21) 2-Butanone-d5	3.773	46	437964	436.726	ug/L	0.00
24) Chloroform-d	4.246	84	887350	202.003	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	558493	204.494	ug/L	0.00
32) Benzene-d6	4.957	84	1650756	199.454	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	450202	202.309	ug/L	0.00
41) Toluene-d8	7.243	98	1632909	206.823	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	297354	211.313	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	411162	469.171	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	701981	221.908	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	849708	207.250	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	747318	197.453	ug/L	100
3) Chloromethane	1.214	50	495757	198.601	ug/L	99
5) Vinyl chloride	1.282	62	481772	201.239	ug/L	99
6) Bromomethane	1.471	94	332750	213.006	ug/L	97
8) Chloroethane	1.539	64	246873	193.691	ug/L	99
9) Trichlorofluoromethane	1.709	101	771522	195.302	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	368407	198.595	ug/L	99
12) 1,1-Dichloroethene	2.066	96	346340	199.512	ug/L	93
13) Acetone	2.105	43	351228	357.859	ug/L	98
14) Carbon disulfide	2.240	76	1214237	194.960	ug/L	100
15) Methyl Acetate	2.365	43	330822	202.237	ug/L	99
16) Methylene chloride	2.442	84	438279	190.666	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	451446	198.069	ug/L	100
18) Methyl tert-butyl Ether	2.700	73	1409821	203.617	ug/L	99
19) 1,1-Dichloroethane	3.108	63	736604	195.263	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	496786	205.417	ug/L	98
22) 2-Butanone	3.854	43	496078	412.507	ug/L	94
23) Bromochloromethane	4.143	128	267699	193.791	ug/L	99
25) Chloroform	4.272	83	850038	195.928	ug/L	95
27) 1,2-Dichloroethane	5.037	62	681213	198.700	ug/L	99
29) Cyclohexane	4.580	56	655375	200.509	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	835162	190.963	ug/L	99
31) Carbon tetrachloride	4.735	117	794266	195.319	ug/L	99
33) Benzene	5.008	78	1743508	194.425	ug/L	100
34) Trichloroethene	5.831	95	505017	188.504	ug/L	99
35) Methylcyclohexane	6.050	83	785558	202.034	ug/L	100
37) 1,2-Dichloropropane	6.092	63	405202	195.243	ug/L	100
38) Bromodichloromethane	6.429	83	654555	195.634	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	805142	213.798	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	929100	421.637	ug/L	99
42) Toluene	7.314	91	2013812	199.285	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	793300	208.324	ug/L	99

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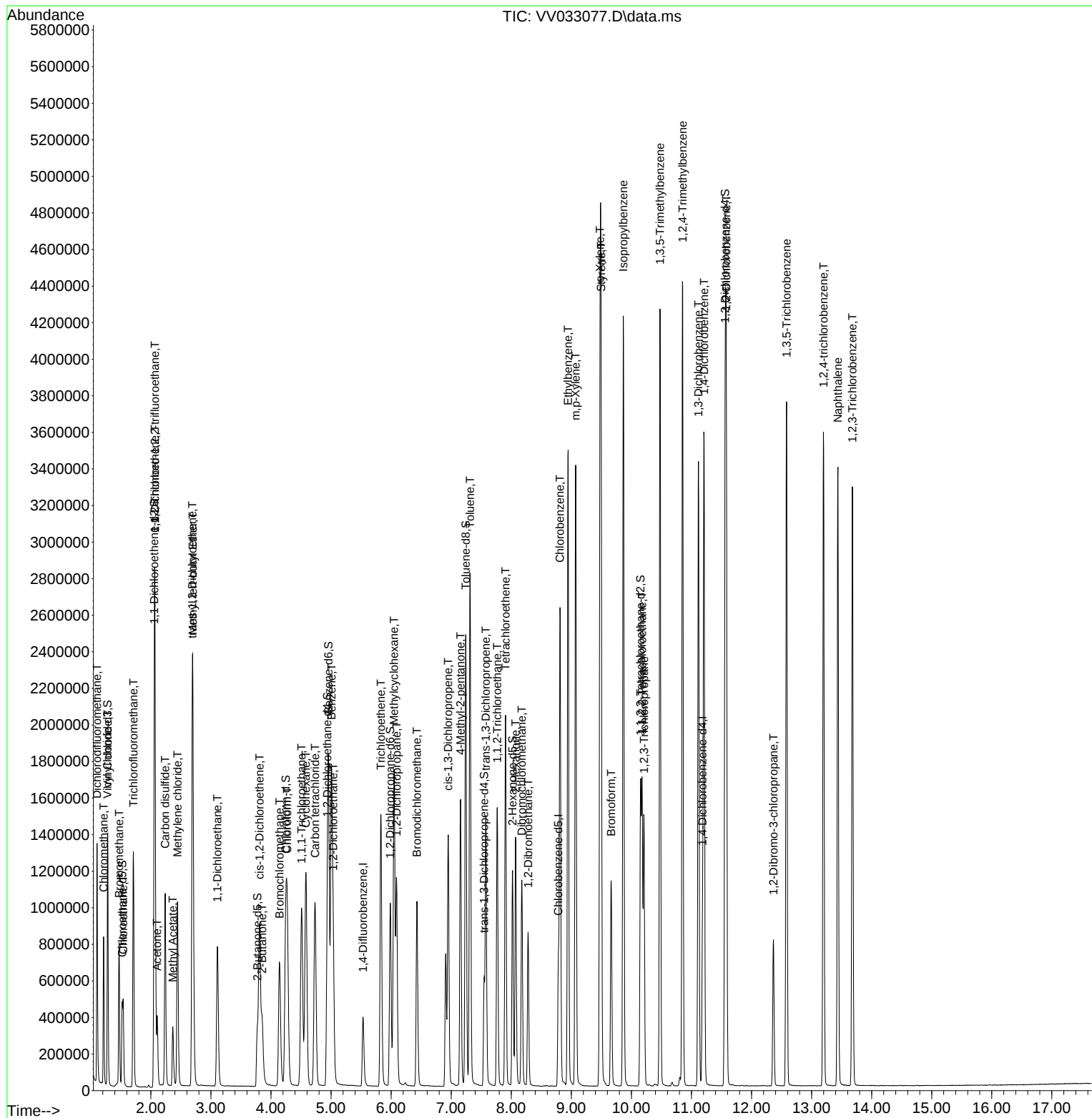
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	466845	194.006	ug/L	99
46) Tetrachloroethene	7.905	164	455868	197.943	ug/L	97
48) 2-Hexanone	8.072	43	760068	431.143	ug/L	99
49) Dibromochloromethane	8.175	129	574502	199.993	ug/L	100
50) 1,2-Dibromoethane	8.281	107	519662	202.558	ug/L	98
51) Chlorobenzene	8.812	112	1392770	195.996	ug/L	98
52) Ethylbenzene	8.947	91	2400472	206.377	ug/L	99
53) m,p-Xylene	9.072	106	955479	207.431	ug/L	95
54) o-Xylene	9.477	106	941252	207.081	ug/L	99
55) Styrene	9.497	104	1657075	210.742	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.178	83	715780	217.715	ug/L	99
59) Bromoform	9.664	173	498160	199.189	ug/L	99
60) Isopropylbenzene	9.866	105	2627763	197.775	ug/L	100
61) 1,2,3-Trichloropropane	10.211	75	552133	192.157	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	2211467	206.586	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	2334773	209.426	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	1386281	195.298	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	1422524	192.924	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	1376205	197.763	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	187968	213.199	ug/L	98
69) 1,3,5-Trichlorobenzene	12.583	180	1154179	202.994	ug/L	100
70) 1,2,4-trichlorobenzene	13.198	180	1057360	201.286	ug/L	99
71) Naphthalene	13.439	128	2598557	202.842	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	971573	191.678	ug/L	98

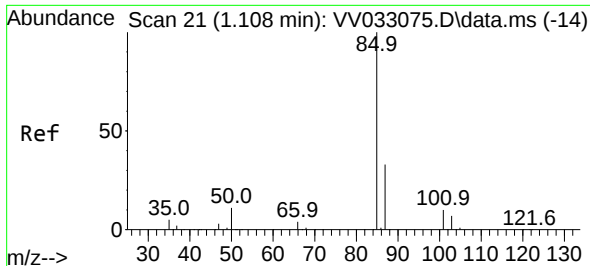
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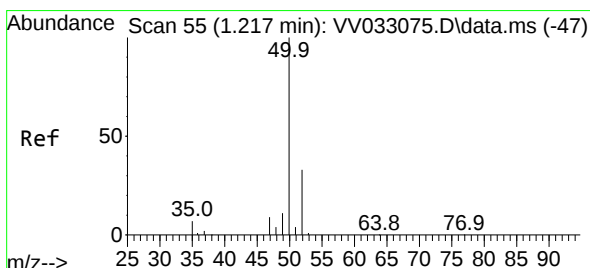
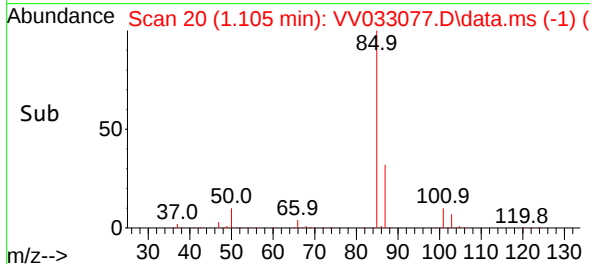
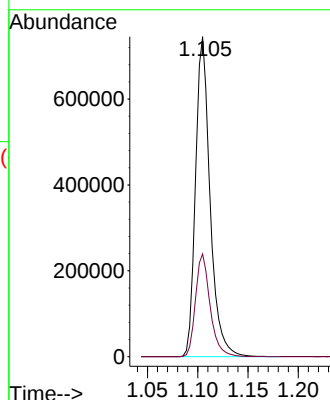
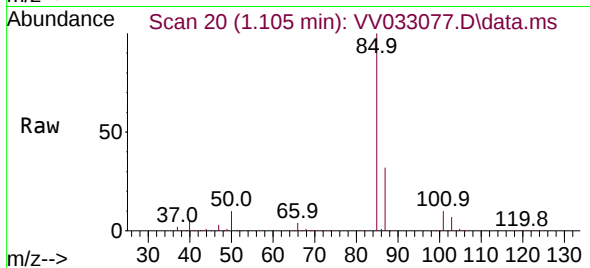




#2
 Dichlorodifluoromethane
 Concen: 197.453 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033077.D
 Acq: 01 Dec 2023 14:11

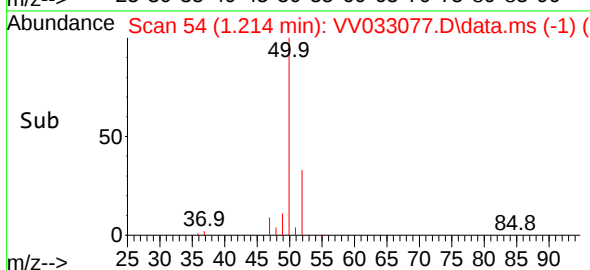
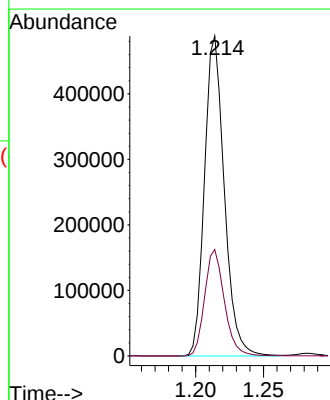
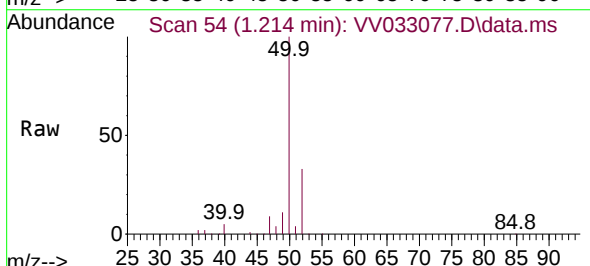
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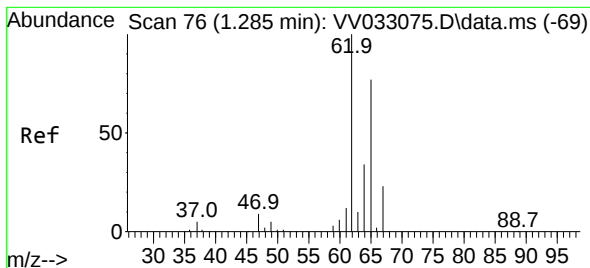
Tgt Ion: 85 Resp: 747318
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.0 39.0



#3
 Chloromethane
 Concen: 198.601 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033077.D
 Acq: 01 Dec 2023 14:11

Tgt Ion: 50 Resp: 495757
 Ion Ratio Lower Upper
 50 100
 52 33.3 22.8 42.4





#5

Vinyl chloride

Concen: 201.239 ug/L

RT: 1.282 min Scan# 76

Delta R.T. -0.003 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

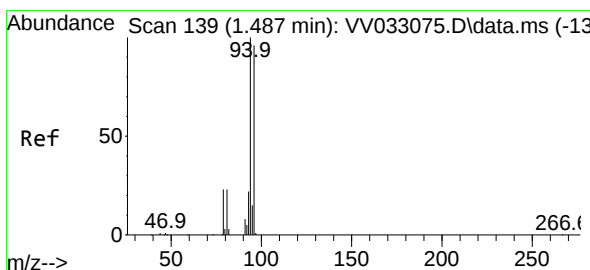
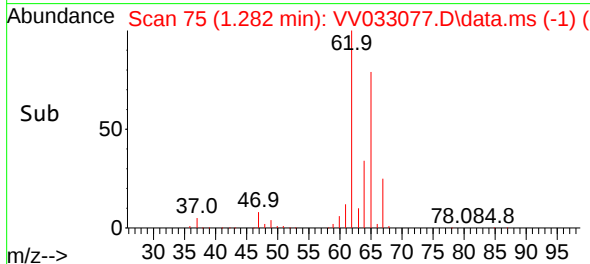
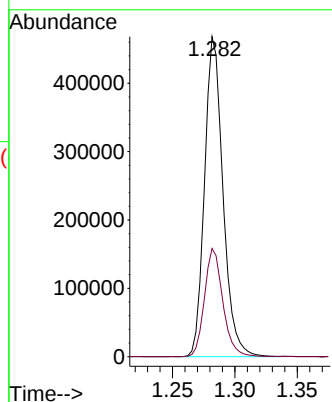
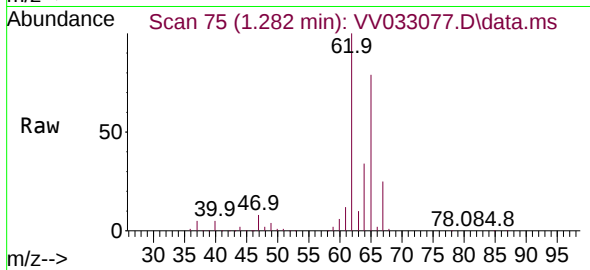
ClientSampleId :

Tgt Ion: 62 Resp: 481772

Ion Ratio Lower Upper

62 100

64 33.8 24.2 45.0



#6

Bromomethane

Concen: 213.006 ug/L

RT: 1.471 min Scan# 134

Delta R.T. -0.016 min

Lab File: VV033077.D

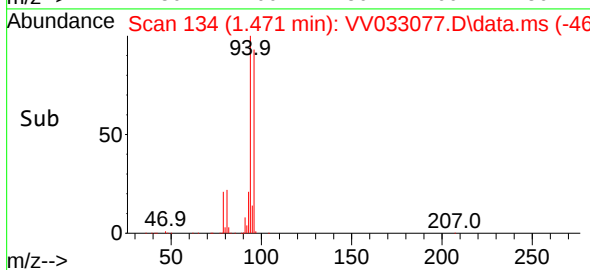
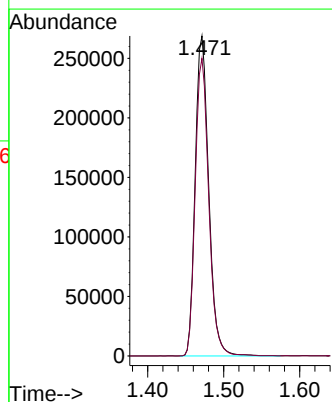
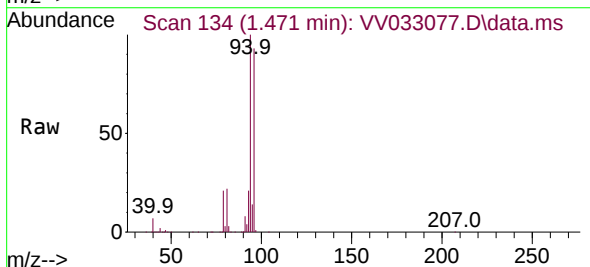
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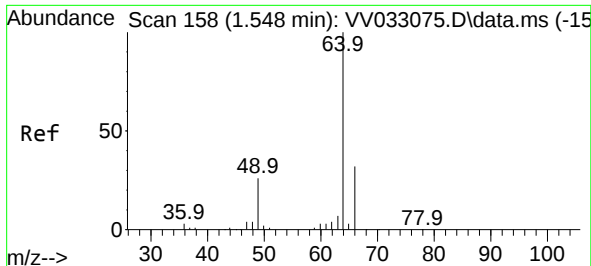
Tgt Ion: 94 Resp: 332750

Ion Ratio Lower Upper

94 100

96 93.0 67.1 124.7

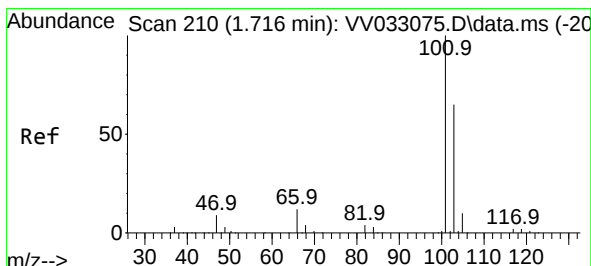
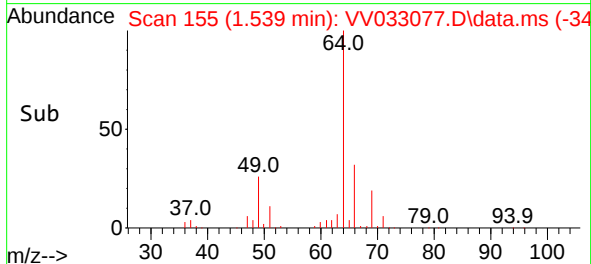
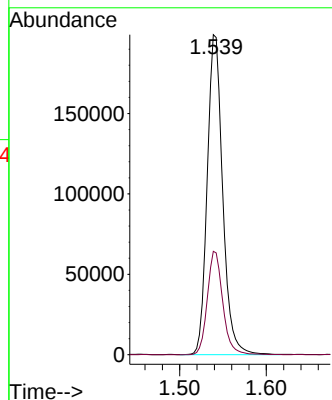
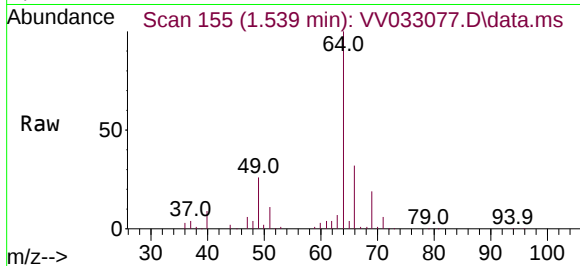




#8
Chloroethane
Concen: 193.691 ug/L
RT: 1.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

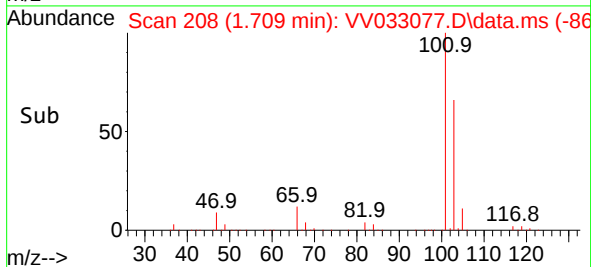
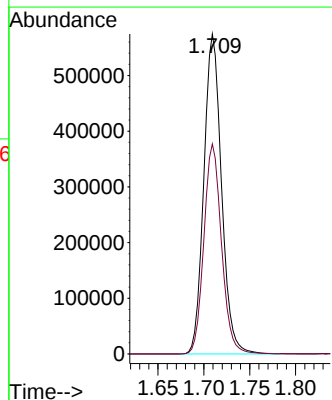
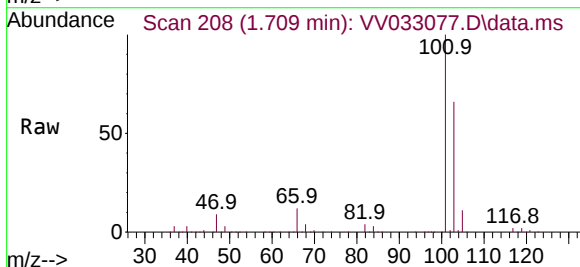
Instrument :
MSVOA_V
ClientSampleId :

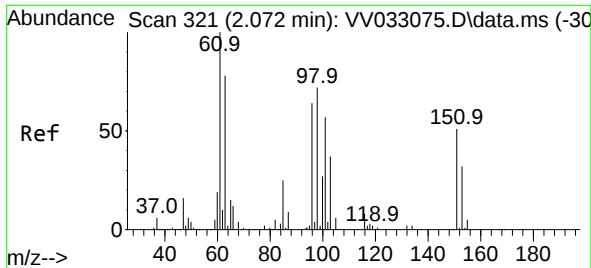
Tgt Ion: 64 Resp: 246873
Ion Ratio Lower Upper
64 100
66 32.3 22.3 41.5



#9
Trichlorofluoromethane
Concen: 195.302 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.006 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion:101 Resp: 771522
Ion Ratio Lower Upper
101 100
103 65.4 51.3 76.9

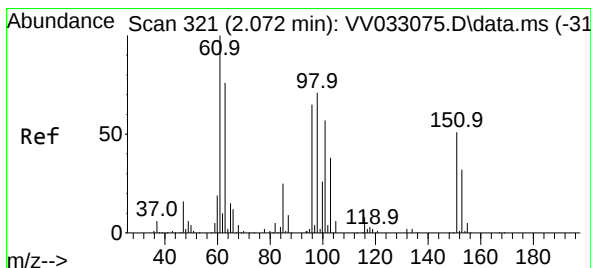
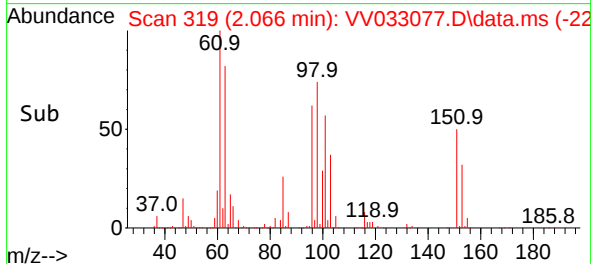
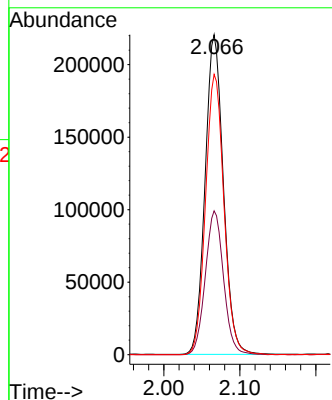
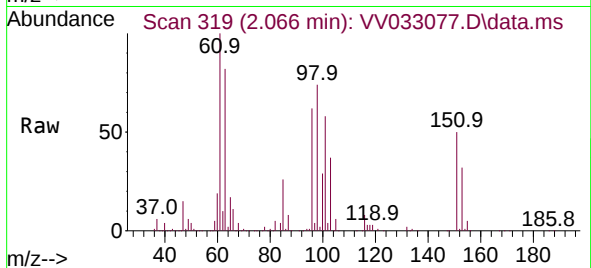




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 198.595 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.006 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

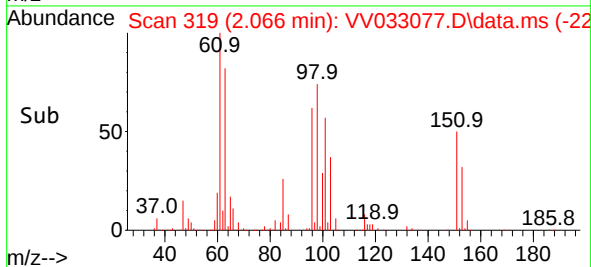
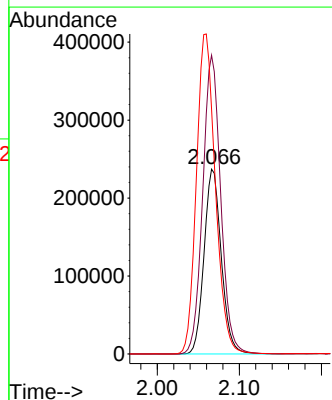
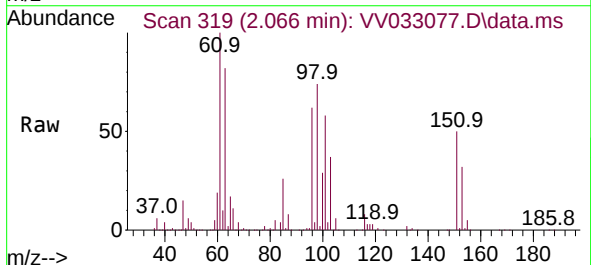
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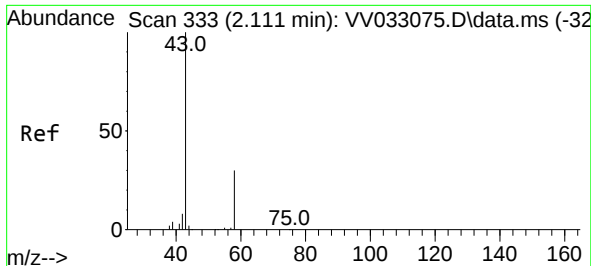
Tgt Ion:101 Resp: 368407
Ion Ratio Lower Upper
101 100
85 45.0 36.0 54.0
151 88.4 69.1 103.7



#12
1,1-Dichloroethene
Concen: 199.512 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.006 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion: 96 Resp: 346340
Ion Ratio Lower Upper
96 100
61 161.5 109.1 202.7
63 132.5 85.3 158.3





#13

Acetone

Concen: 357.859 ug/L

RT: 2.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

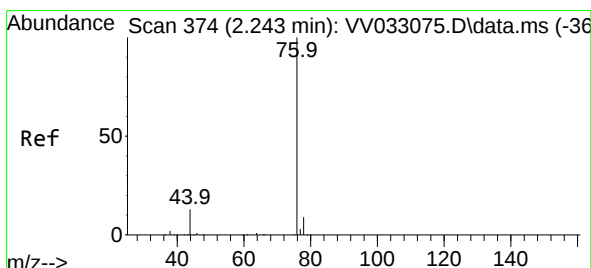
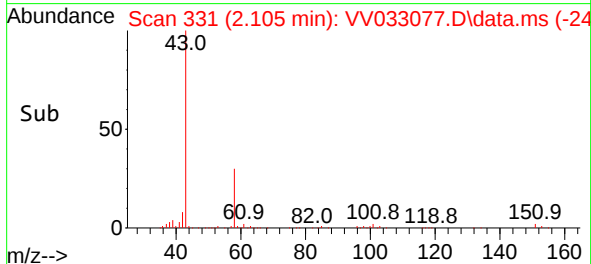
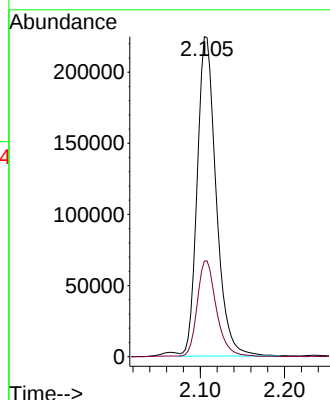
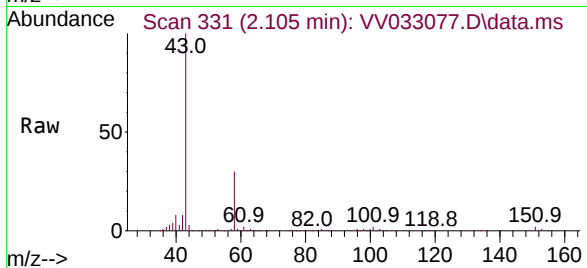
ClientSampleId :

Tgt Ion: 43 Resp: 351228

Ion Ratio Lower Upper

43 100

58 30.4 0.0 62.8



#14

Carbon disulfide

Concen: 194.960 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033077.D

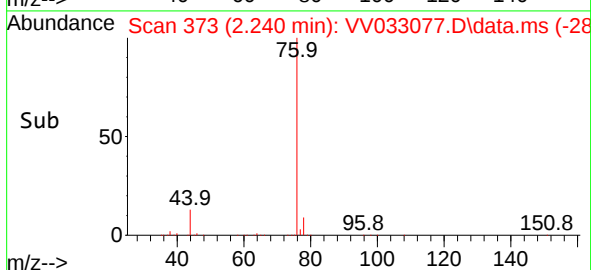
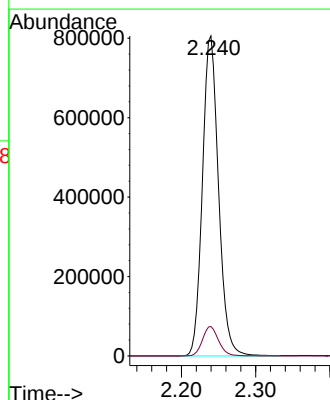
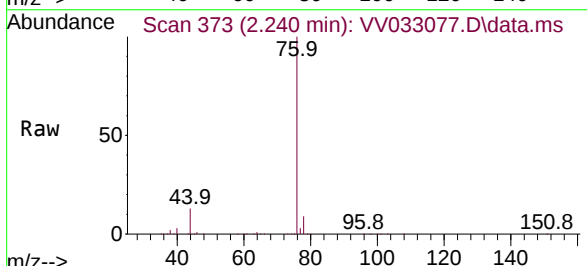
Acq: 01 Dec 2023 14:11

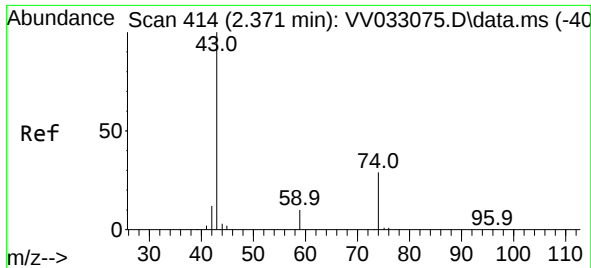
Tgt Ion: 76 Resp: 1214237

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

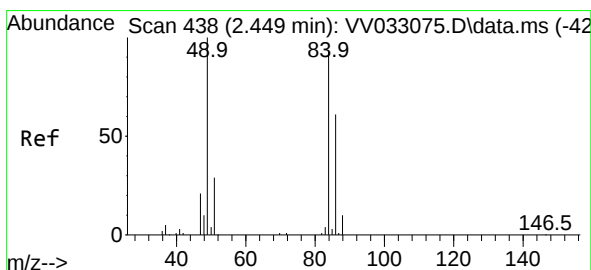
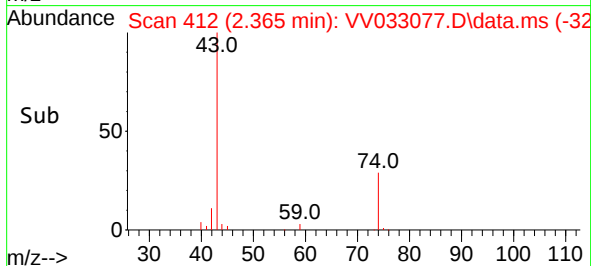
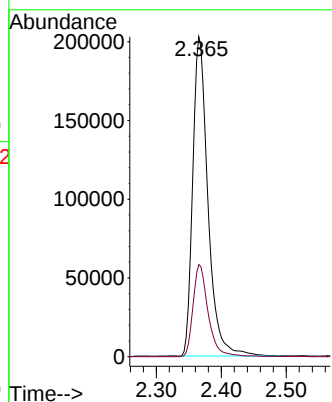
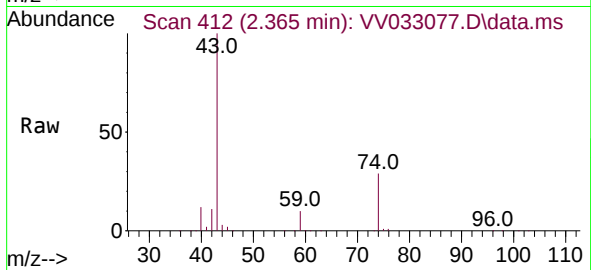




#15
Methyl Acetate
Concen: 202.237 ug/L
RT: 2.365 min Scan# 414
Delta R.T. -0.006 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

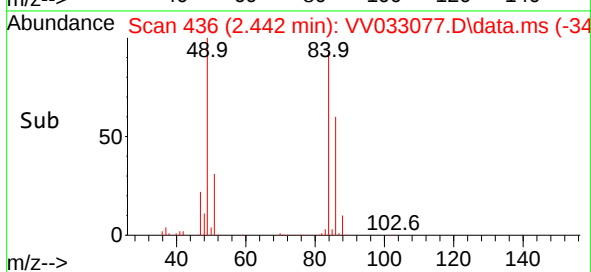
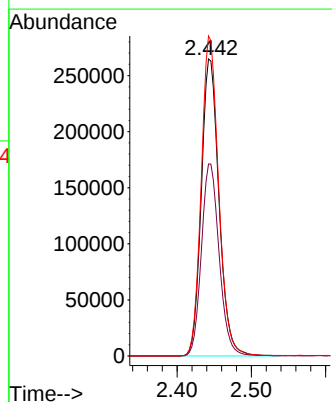
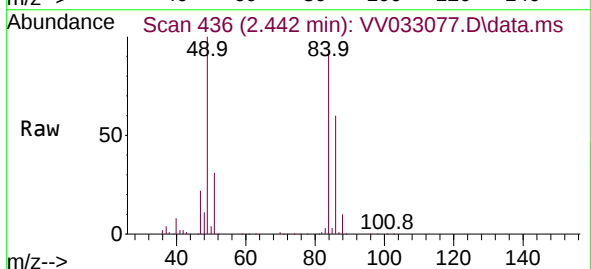
Instrument :
MSVOA_V
ClientSampleId :

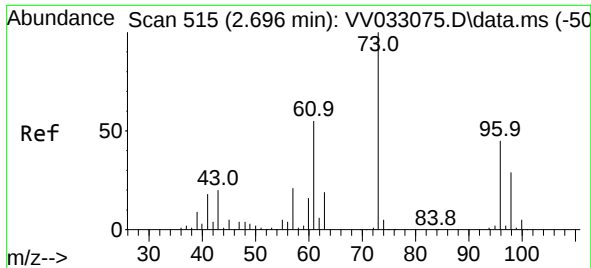
Tgt Ion: 43 Resp: 330822
Ion Ratio Lower Upper
43 100
74 28.7 22.6 33.8



#16
Methylene chloride
Concen: 190.666 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.006 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion: 84 Resp: 438279
Ion Ratio Lower Upper
84 100
86 64.7 45.9 85.3
49 107.8 75.5 140.1

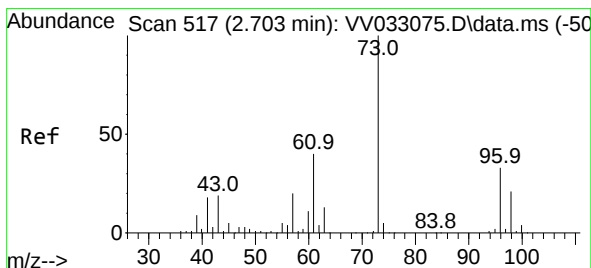
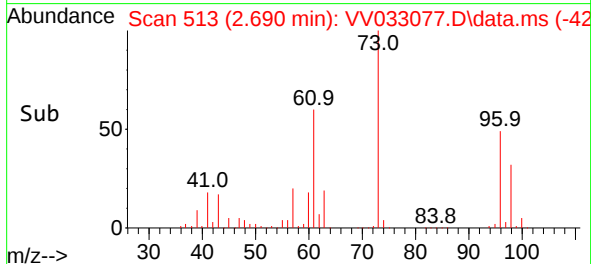
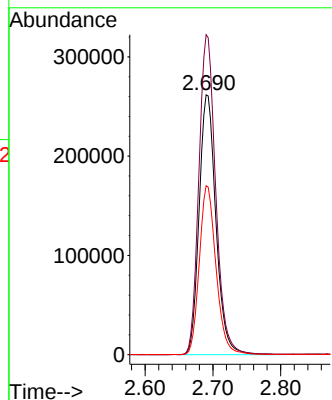
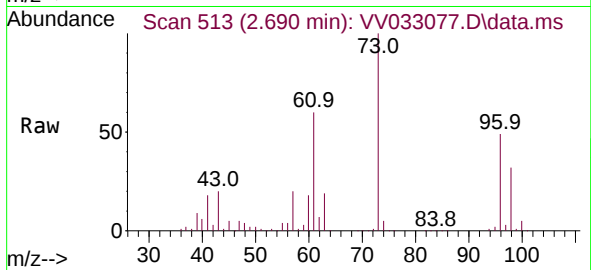




#17
trans-1,2-Dichloroethene
Concen: 198.069 ug/L
RT: 2.690 min Scan# 515
Delta R.T. -0.006 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

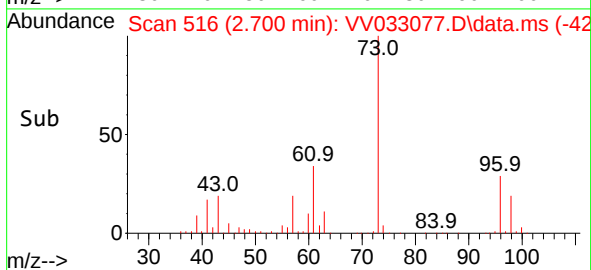
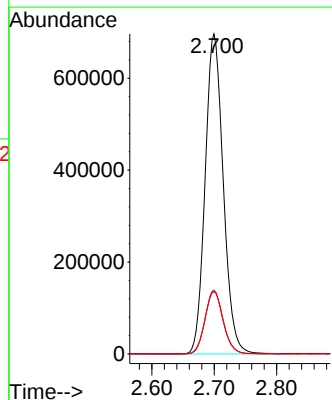
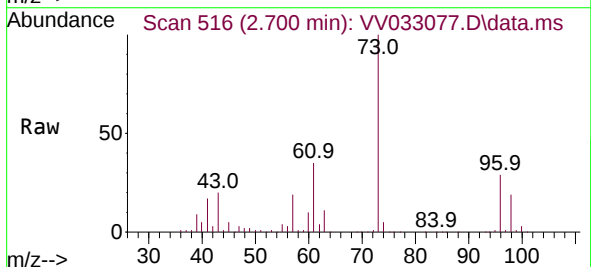
Instrument :
MSVOA_V
ClientSampleId :

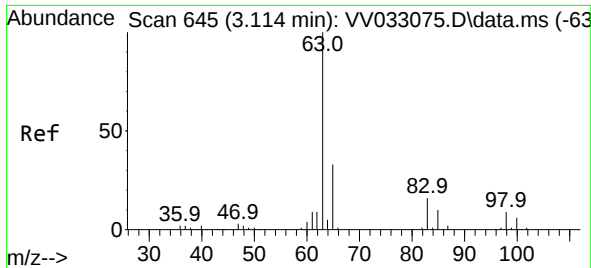
Tgt Ion: 96 Resp: 451446
Ion Ratio Lower Upper
96 100
61 123.2 86.5 160.6
98 65.0 45.1 83.7



#18
Methyl tert-butyl Ether
Concen: 203.617 ug/L
RT: 2.700 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion: 73 Resp: 1409821
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.2
57 19.7 16.1 24.1





#19

1,1-Dichloroethane

Concen: 195.263 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.006 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

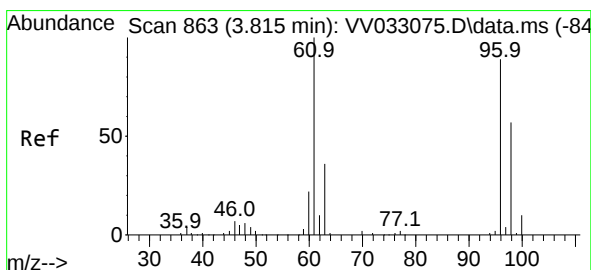
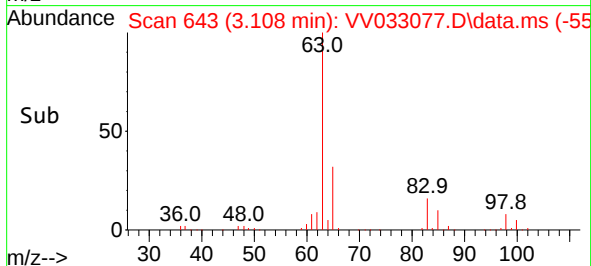
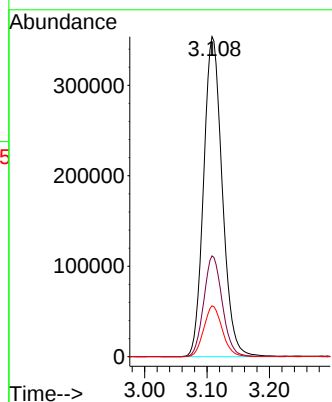
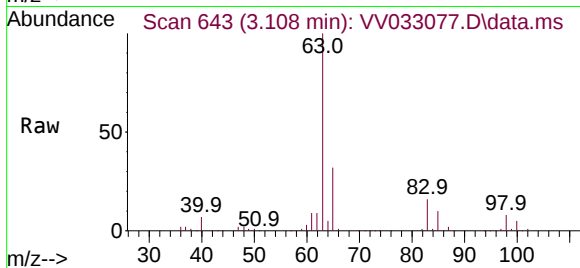
Tgt Ion: 63 Resp: 736604

Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.6

83 15.9 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 205.417 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.006 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

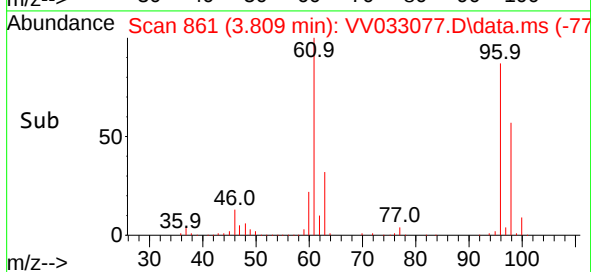
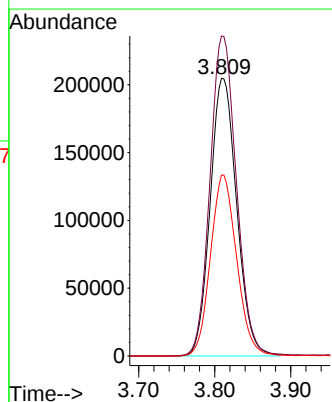
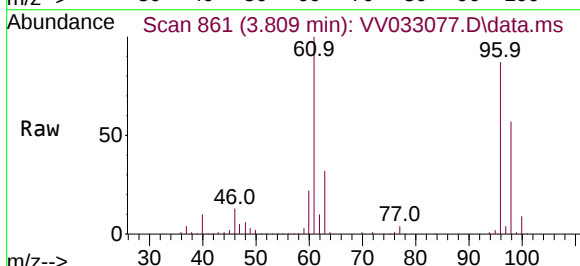
Tgt Ion: 96 Resp: 496786

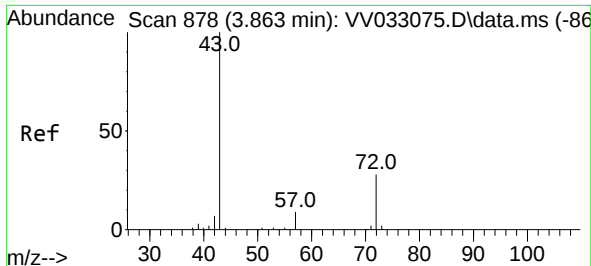
Ion Ratio Lower Upper

96 100

61 115.3 79.1 146.9

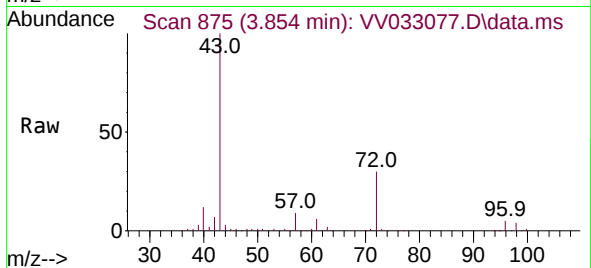
98 65.1 45.1 83.7



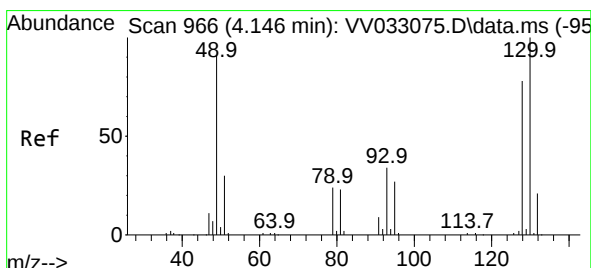
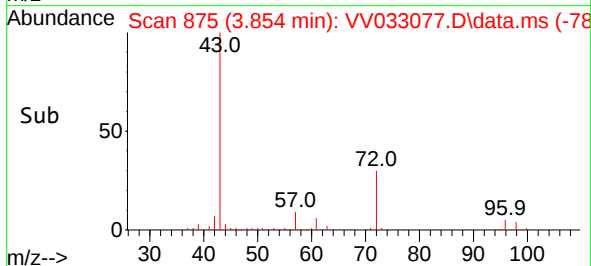
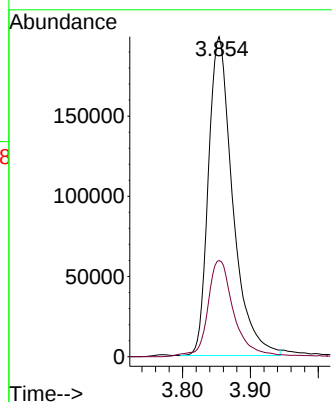


#22
2-Butanone
Concen: 412.507 ug/L
RT: 3.854 min Scan# 81
Delta R.T. -0.009 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Instrument :
MSVOA_V
ClientSampleId :

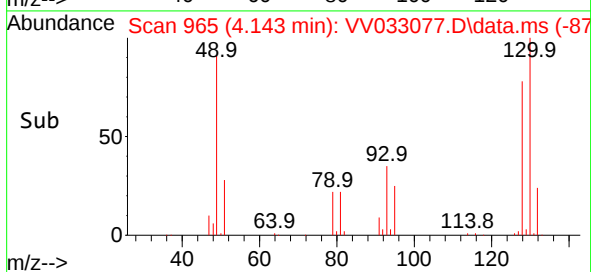
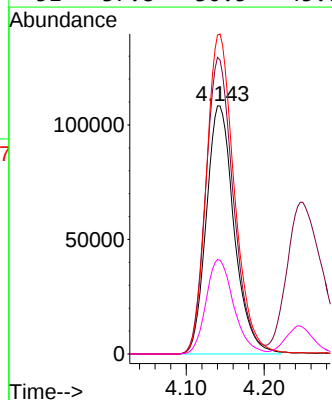
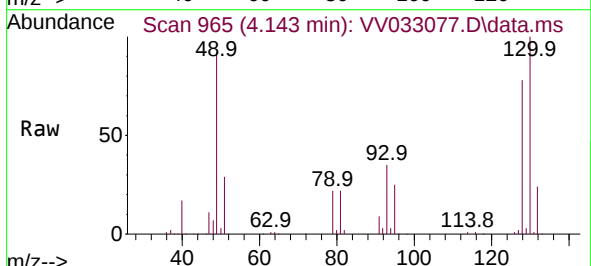


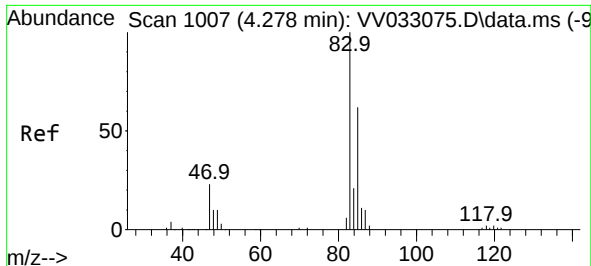
Tgt Ion: 43 Resp: 496078
Ion Ratio Lower Upper
43 100
72 32.2 14.6 43.8



#23
Bromochloromethane
Concen: 193.791 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion:128 Resp: 267699
Ion Ratio Lower Upper
128 100
49 118.5 81.7 151.7
130 129.0 90.1 167.3
51 37.8 30.5 45.7





#25

Chloroform

Concen: 195.928 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.006 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

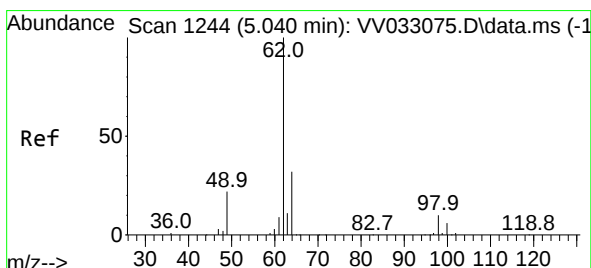
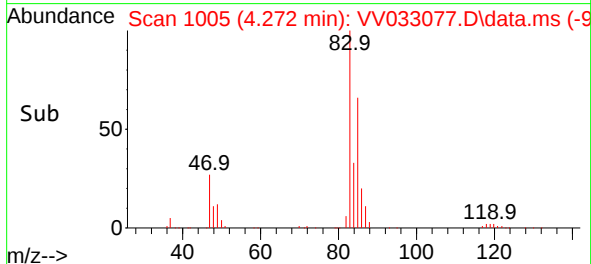
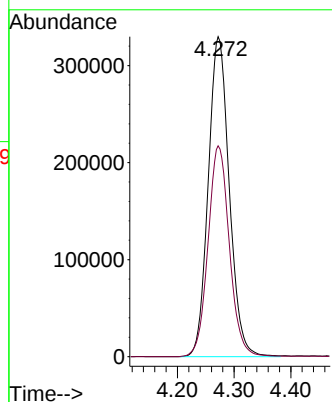
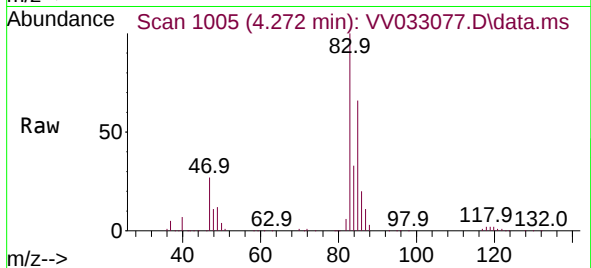
ClientSampleId :

Tgt Ion: 83 Resp: 850038

Ion Ratio Lower Upper

83 100

85 65.9 43.5 80.7



#27

1,2-Dichloroethane

Concen: 198.700 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV033077.D

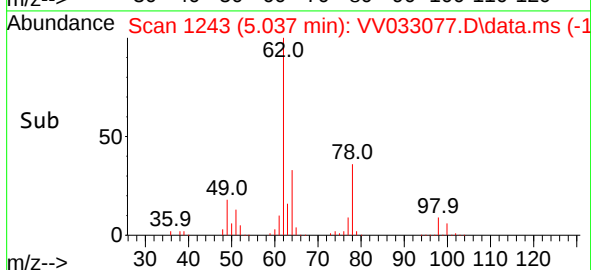
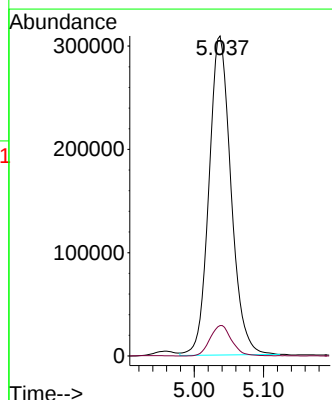
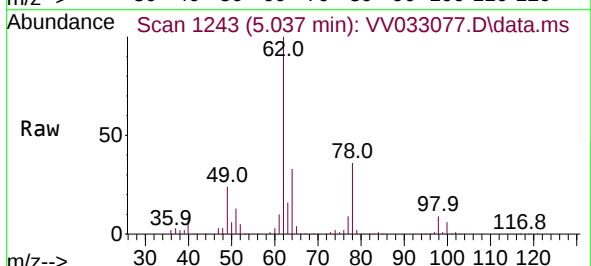
Acq: 01 Dec 2023 14:11

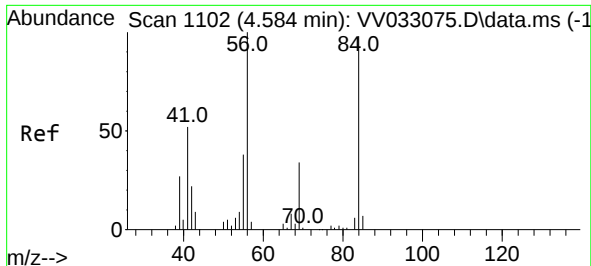
Tgt Ion: 62 Resp: 681213

Ion Ratio Lower Upper

62 100

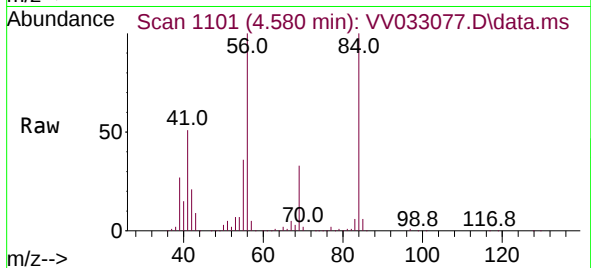
98 9.5 7.8 11.8



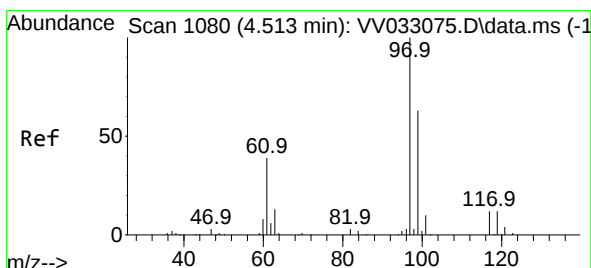
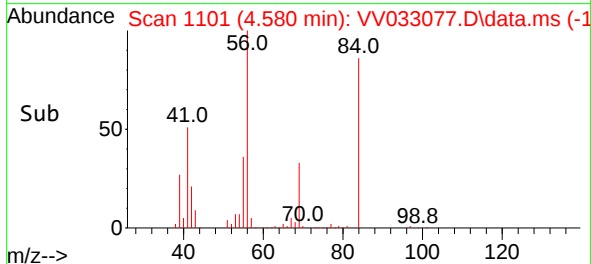
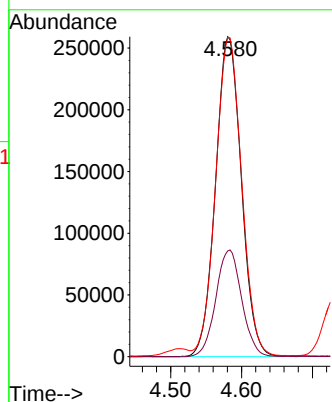


#29
Cyclohexane
Concen: 200.509 ug/L
RT: 4.580 min Scan# 1102
Delta R.T. -0.003 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Instrument :
MSVOA_V
ClientSampleId :

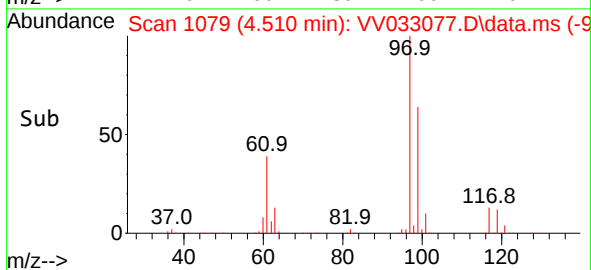
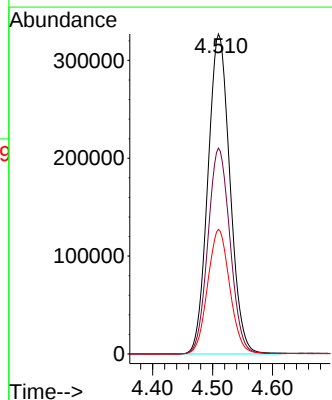
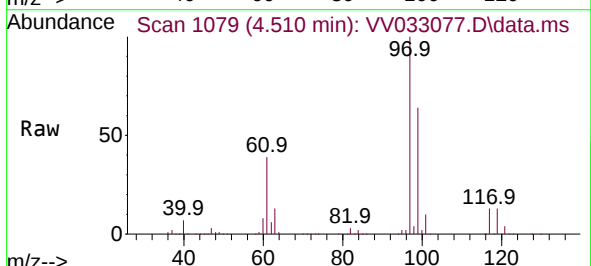


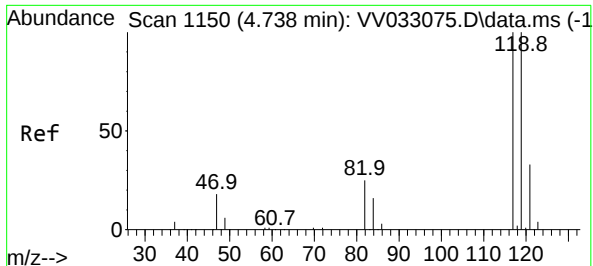
Tgt Ion: 56 Resp: 655375
Ion Ratio Lower Upper
56 100
69 33.5 26.9 40.3
84 100.0 80.6 121.0



#30
1,1,1-Trichloroethane
Concen: 190.963 ug/L
RT: 4.510 min Scan# 1079
Delta R.T. -0.003 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion: 97 Resp: 835162
Ion Ratio Lower Upper
97 100
99 64.6 51.3 76.9
61 39.2 31.8 47.8

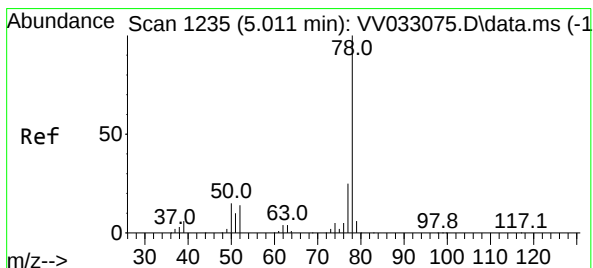
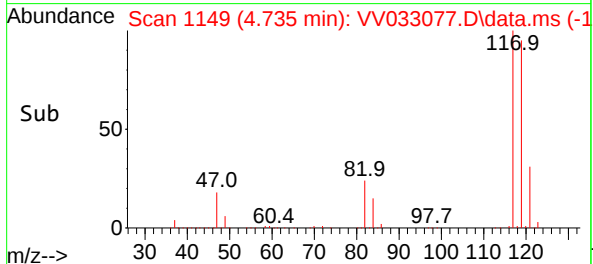
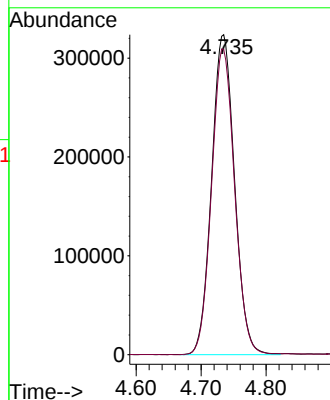
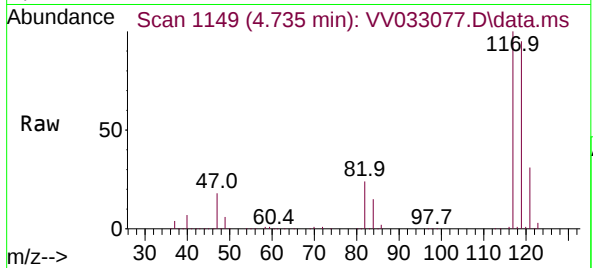




#31
Carbon tetrachloride
Concen: 195.319 ug/L
RT: 4.735 min Scan# 1150
Delta R.T. -0.003 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

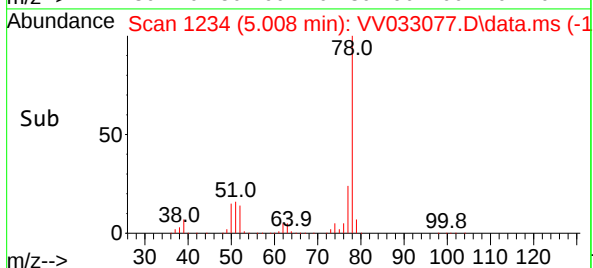
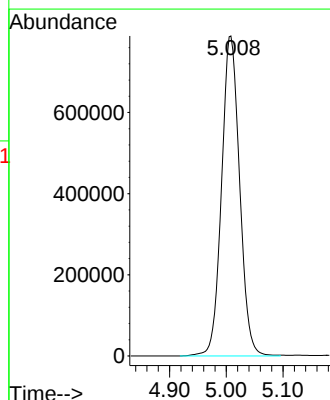
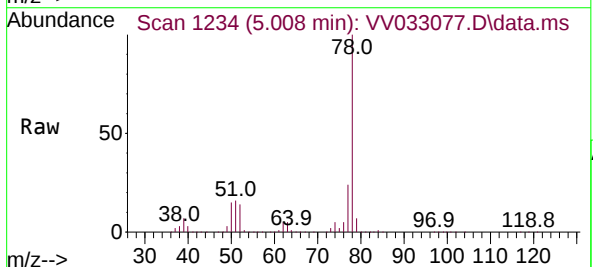
Instrument :
MSVOA_V
ClientSampleId :

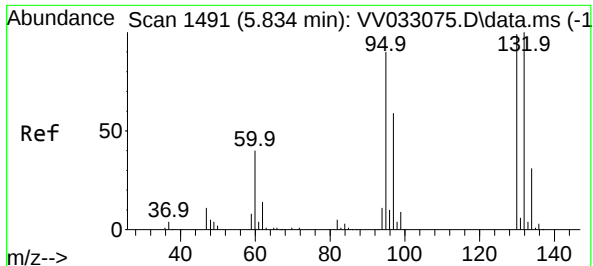
Tgt Ion:117 Resp: 794266
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3



#33
Benzene
Concen: 194.425 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion: 78 Resp: 1743508

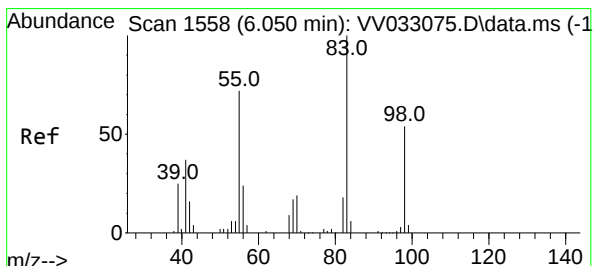
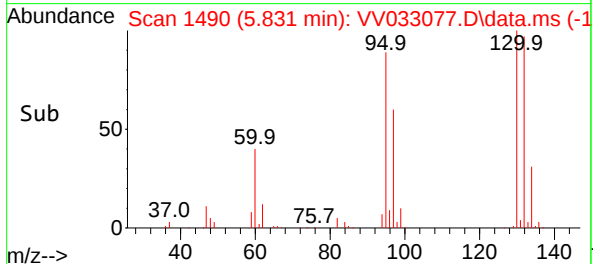
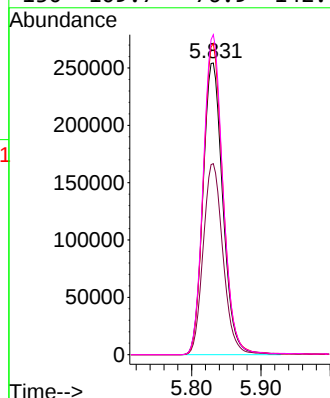
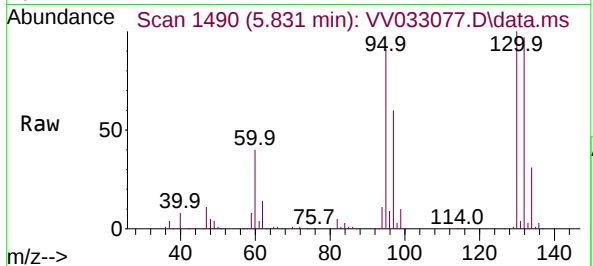




#34
Trichloroethene
Concen: 188.504 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.003 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

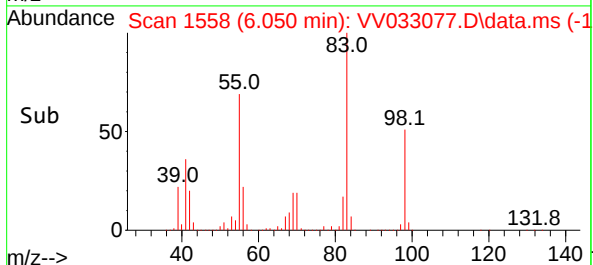
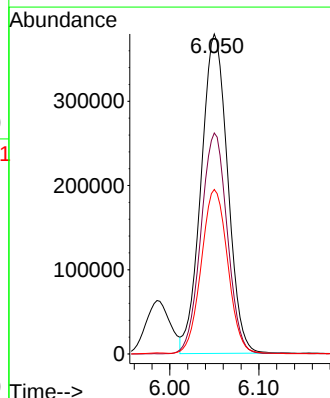
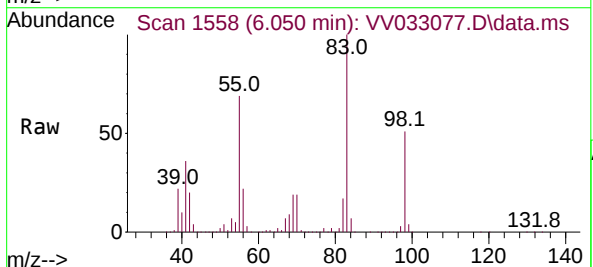
Instrument :
MSVOA_V
ClientSampleId :

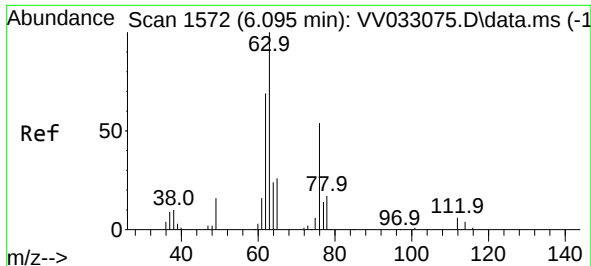
Tgt Ion: 95 Resp: 505017
Ion Ratio Lower Upper
95 100
97 65.5 45.8 85.0
132 106.7 77.4 143.8
130 109.7 76.9 142.7



#35
Methylcyclohexane
Concen: 202.034 ug/L
RT: 6.050 min Scan# 1558
Delta R.T. 0.000 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion: 83 Resp: 785558
Ion Ratio Lower Upper
83 100
55 68.5 54.8 82.2
98 51.5 41.4 62.0





#37

1,2-Dichloropropane

Concen: 195.243 ug/L

RT: 6.092 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

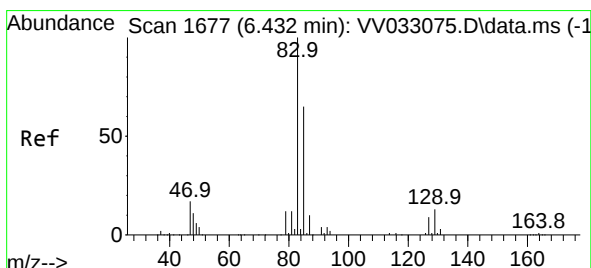
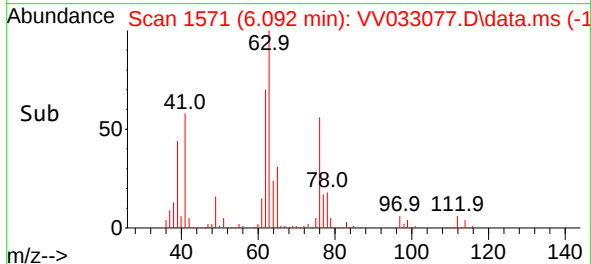
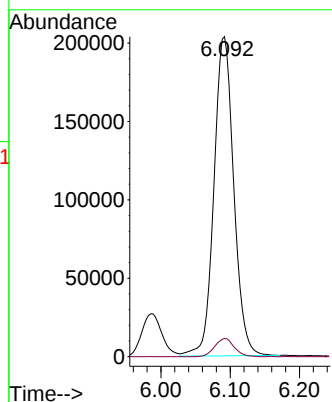
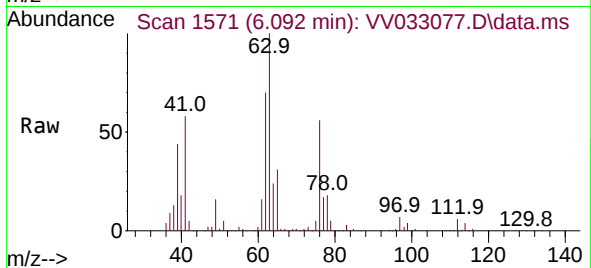
ClientSampleId :

Tgt Ion: 63 Resp: 405202

Ion Ratio Lower Upper

63 100

112 5.6 4.6 6.8



#38

Bromodichloromethane

Concen: 195.634 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

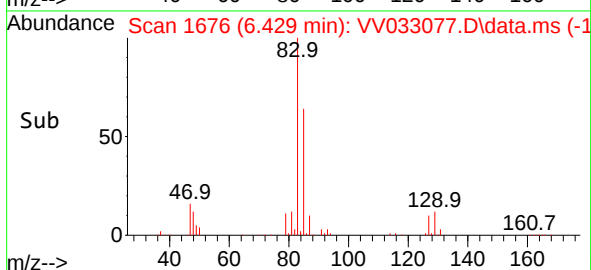
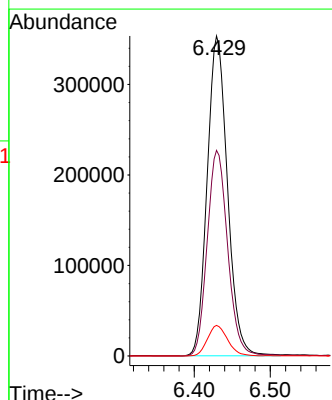
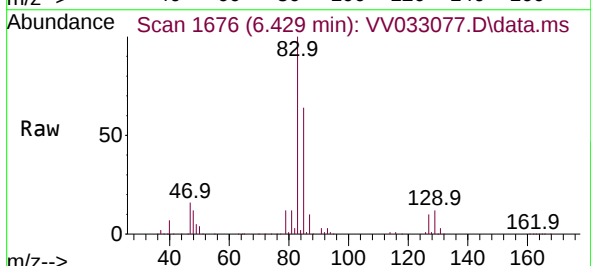
Tgt Ion: 83 Resp: 654555

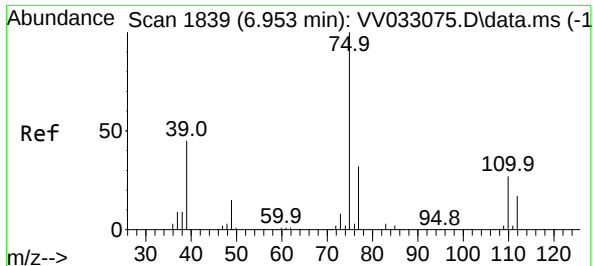
Ion Ratio Lower Upper

83 100

85 64.3 45.6 84.6

127 9.6 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 213.798 ug/L

RT: 6.950 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

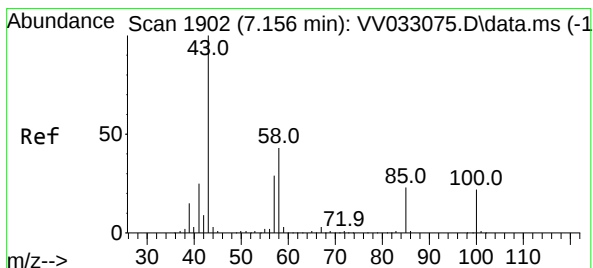
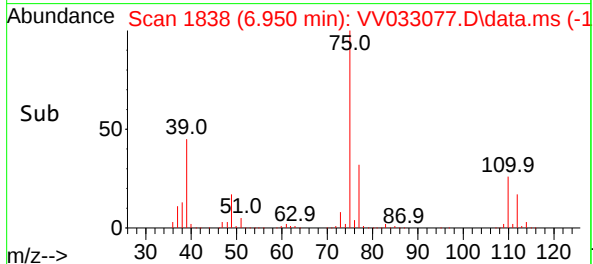
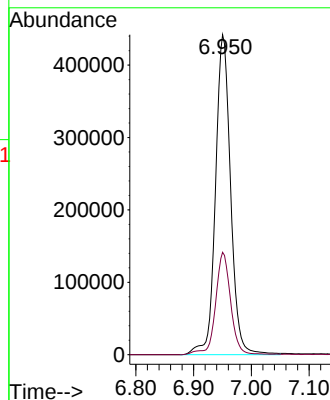
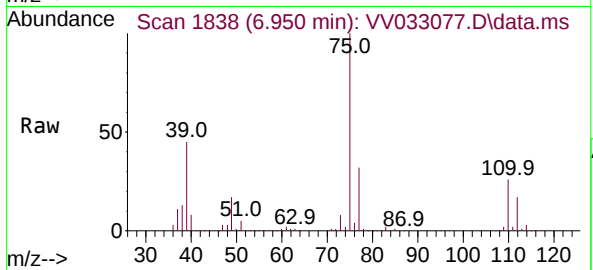
ClientSampleId :

Tgt Ion: 75 Resp: 805142

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 421.637 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

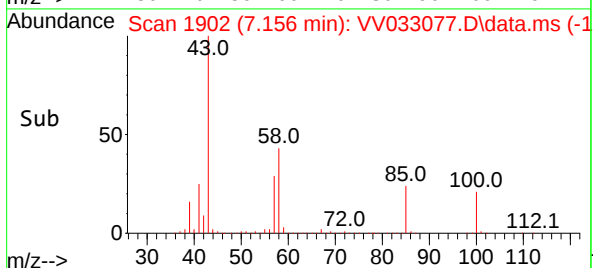
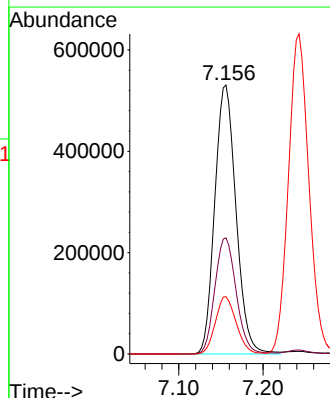
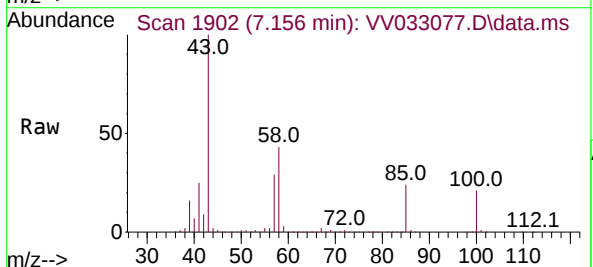
Tgt Ion: 43 Resp: 929100

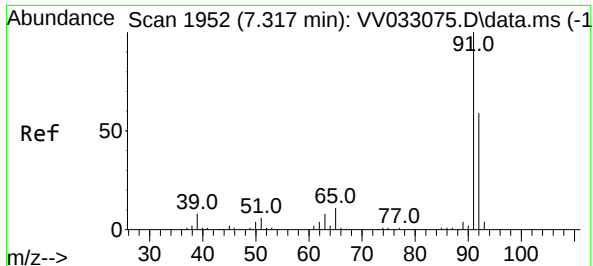
Ion Ratio Lower Upper

43 100

58 43.3 34.5 51.7

100 20.9 17.0 25.6





#42

Toluene

Concen: 199.285 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

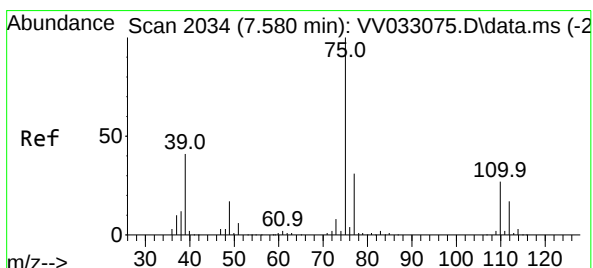
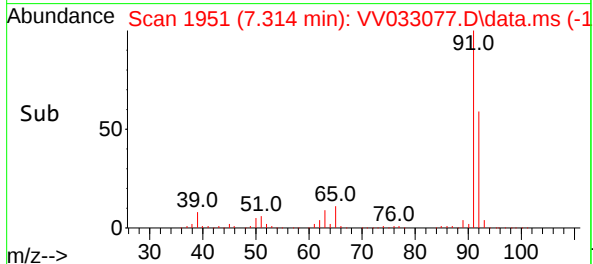
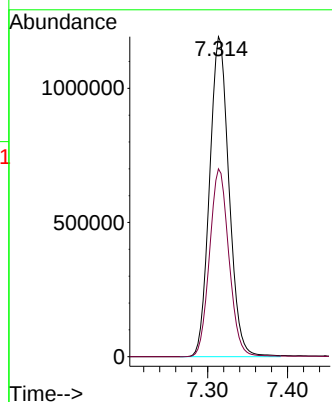
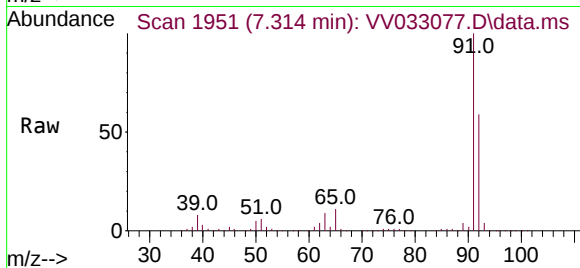
ClientSampleId :

Tgt Ion: 91 Resp: 2013812

Ion Ratio Lower Upper

91 100

92 58.7 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 208.324 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV033077.D

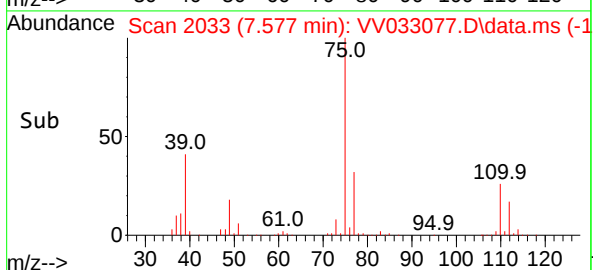
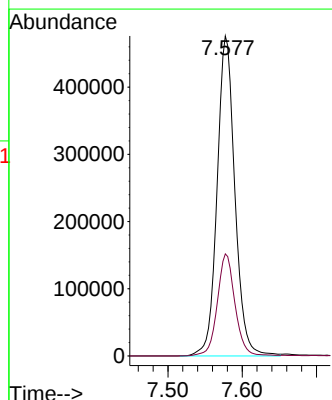
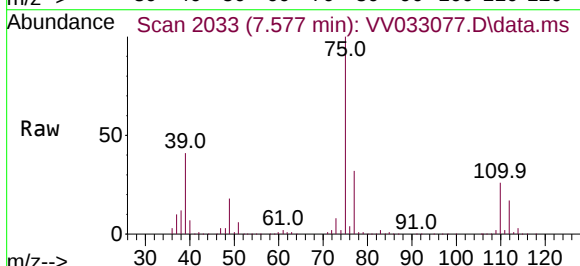
Acq: 01 Dec 2023 14:11

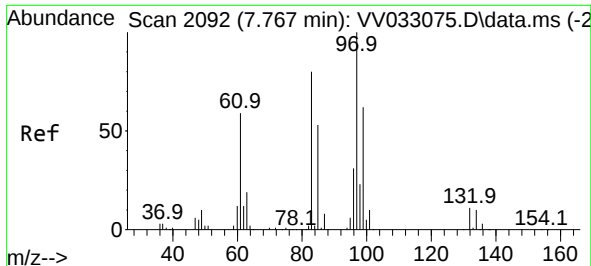
Tgt Ion: 75 Resp: 793300

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 194.006 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 466845

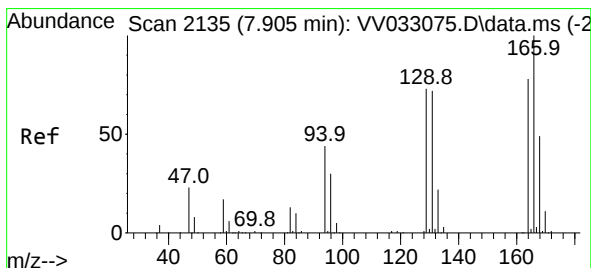
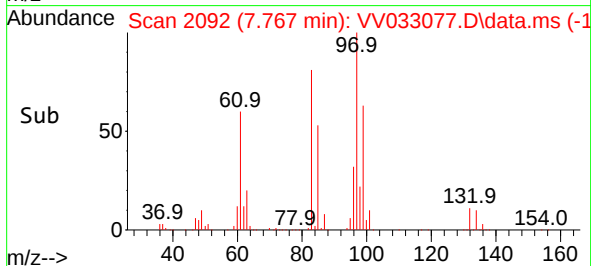
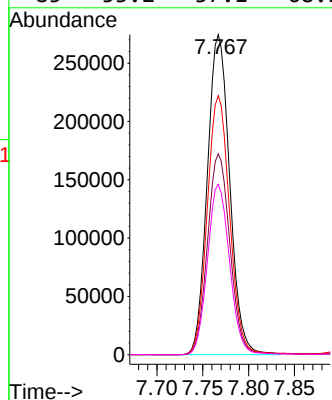
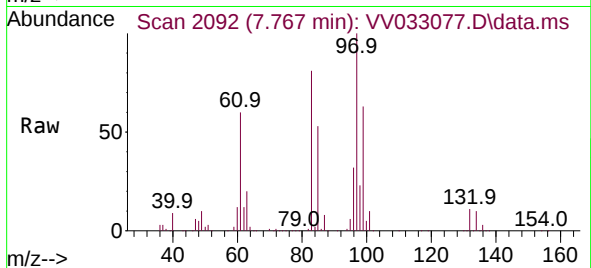
Ion Ratio Lower Upper

97 100

99 62.8 43.2 80.2

83 80.9 55.8 103.6

85 53.2 37.1 68.9



#46

Tetrachloroethene

Concen: 197.943 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Tgt Ion:164 Resp: 455868

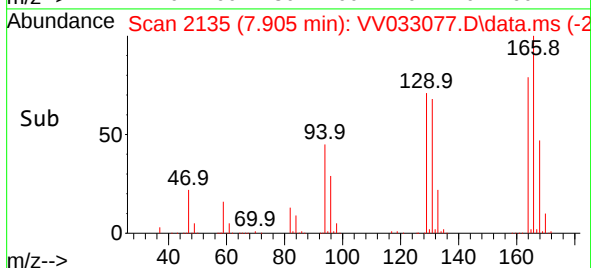
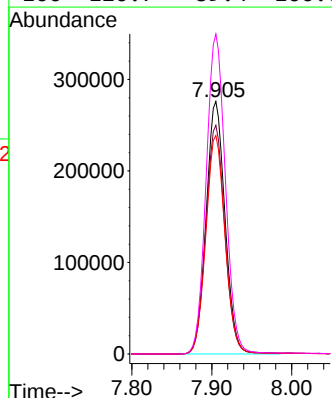
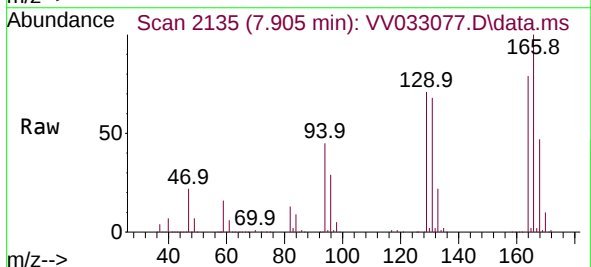
Ion Ratio Lower Upper

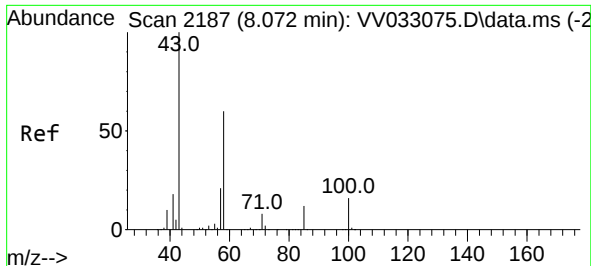
164 100

129 90.5 65.6 121.8

131 86.5 64.7 120.1

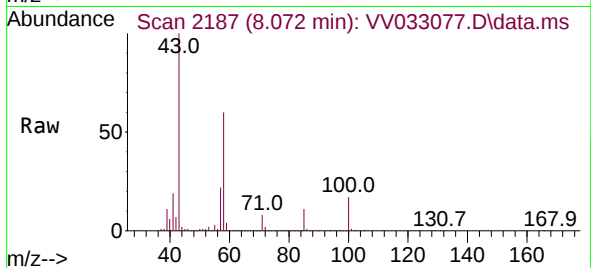
166 126.7 89.4 166.0



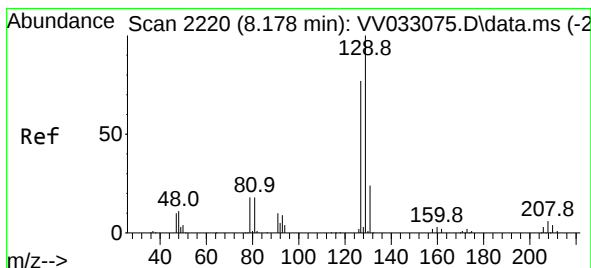
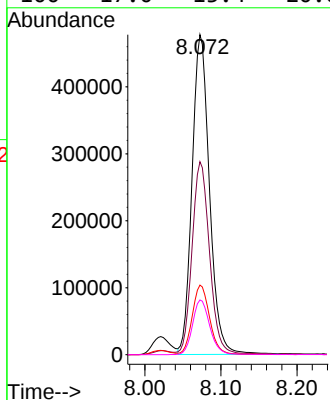
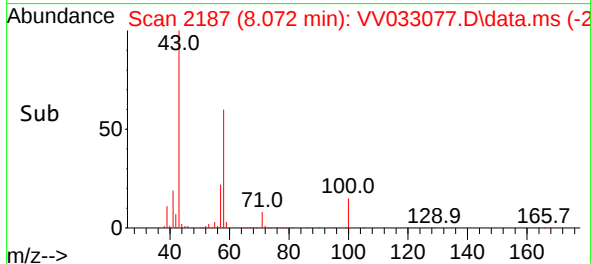


#48
2-Hexanone
Concen: 431.143 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Instrument :
MSVOA_V
ClientSampleId :

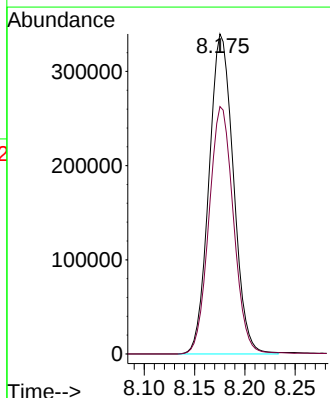
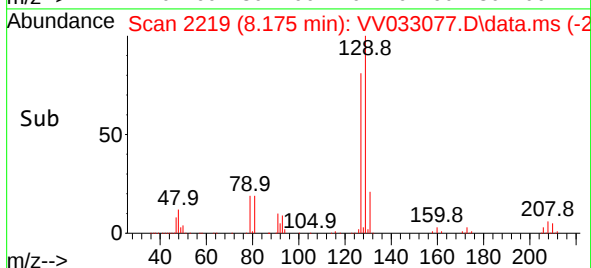
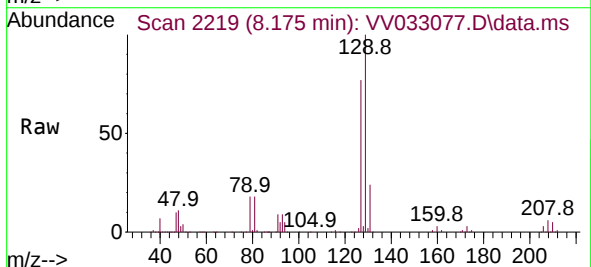


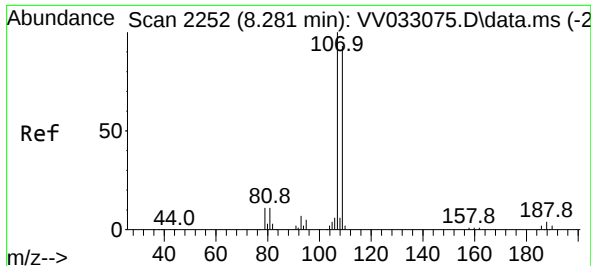
Tgt Ion: 43 Resp: 760068
Ion Ratio Lower Upper
43 100
58 61.0 47.9 71.9
57 21.9 17.4 26.0
100 17.0 13.4 20.0



#49
Dibromochloromethane
Concen: 199.993 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.003 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion: 129 Resp: 574502
Ion Ratio Lower Upper
129 100
127 77.3 54.1 100.5





#50

1,2-Dibromoethane

Concen: 202.558 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

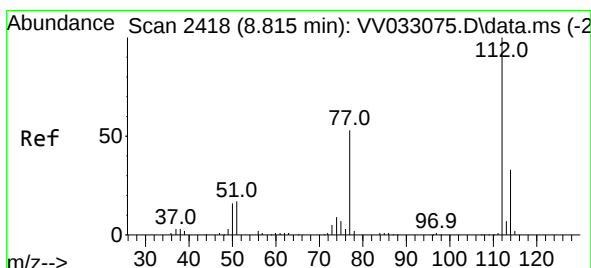
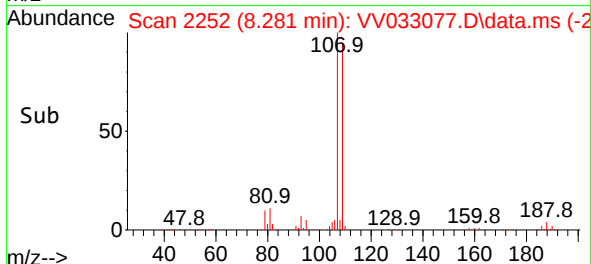
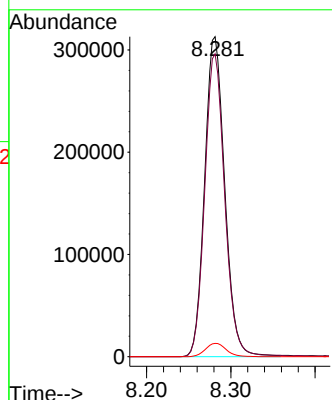
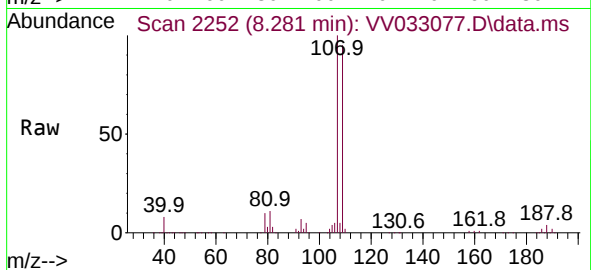
Tgt Ion:107 Resp: 519662

Ion Ratio Lower Upper

107 100

109 94.7 65.2 121.2

188 4.2 3.8 5.6



#51

Chlorobenzene

Concen: 195.996 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

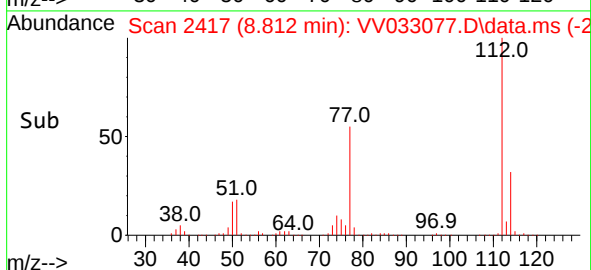
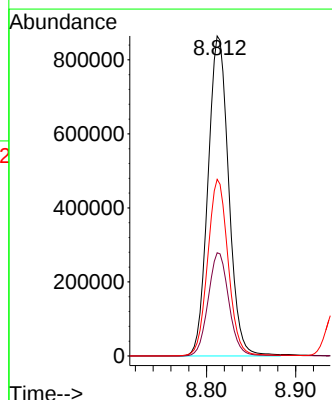
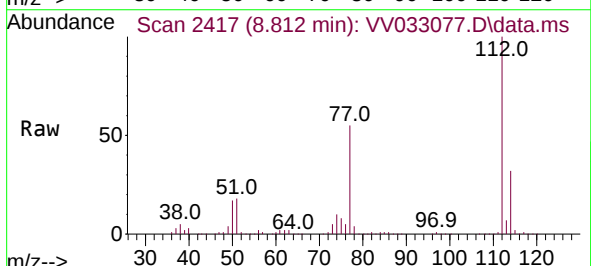
Tgt Ion:112 Resp: 1392770

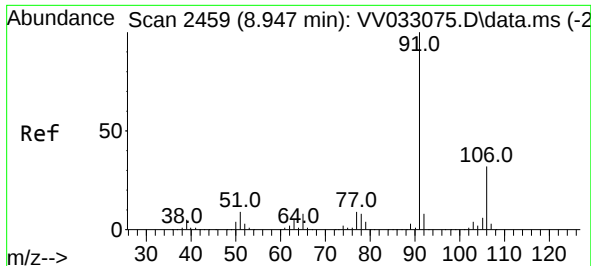
Ion Ratio Lower Upper

112 100

114 32.2 22.9 42.5

77 55.2 42.6 64.0





#52

Ethylbenzene

Concen: 206.377 ug/L

RT: 8.947 min Scan# 2459

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

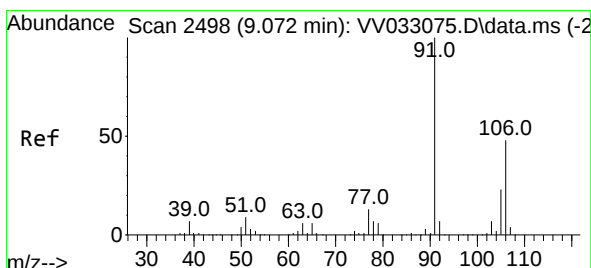
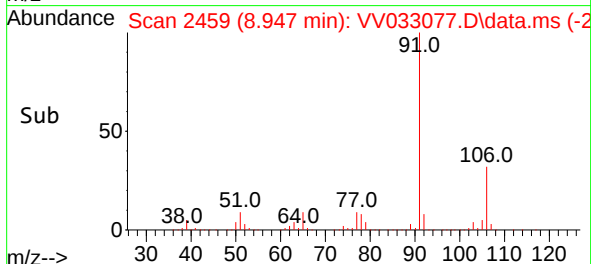
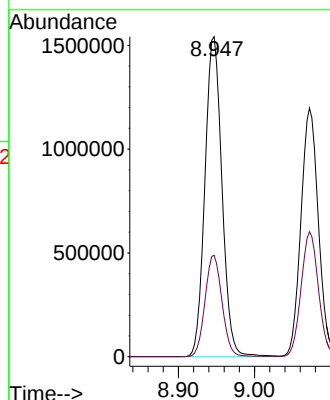
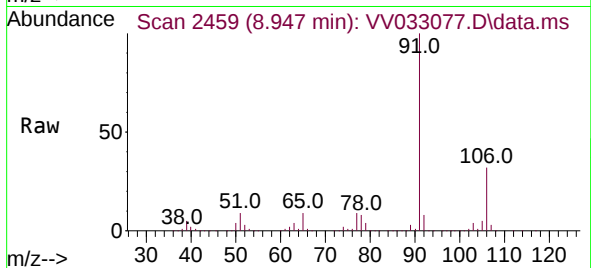
ClientSampleId :

Tgt Ion: 91 Resp: 2400472

Ion Ratio Lower Upper

91 100

106 31.7 22.6 42.0



#53

m,p-Xylene

Concen: 207.431 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.000 min

Lab File: VV033077.D

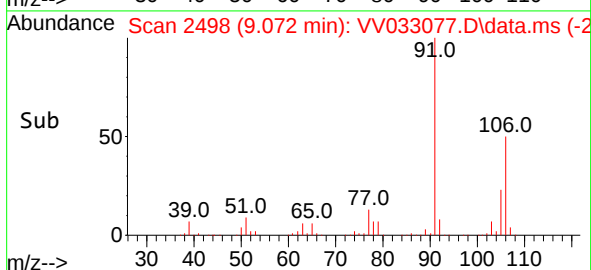
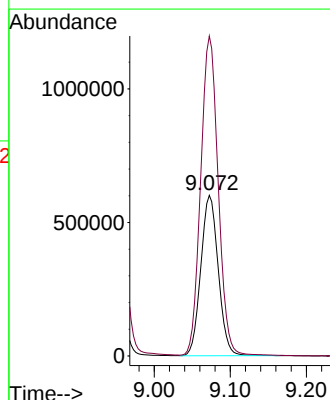
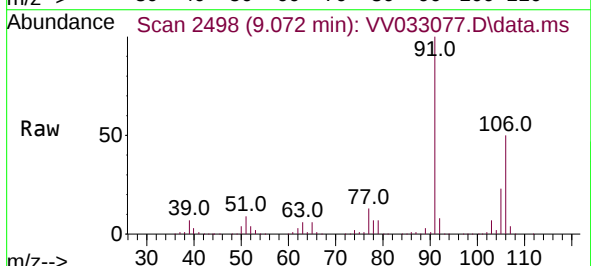
Acq: 01 Dec 2023 14:11

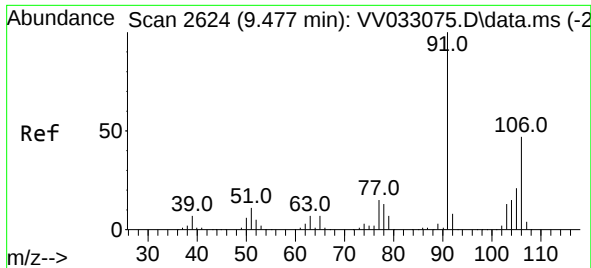
Tgt Ion: 106 Resp: 955479

Ion Ratio Lower Upper

106 100

91 199.1 145.2 269.6

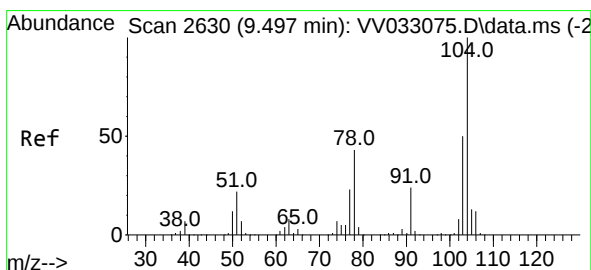
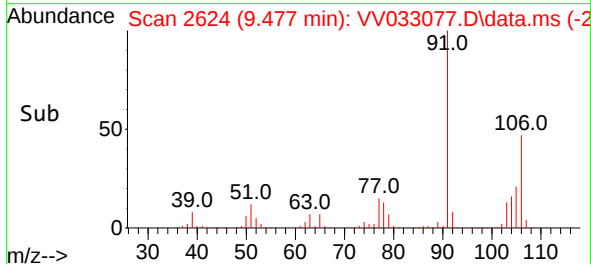
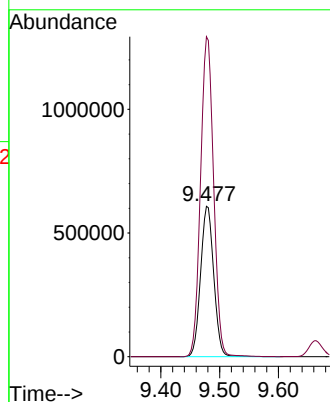
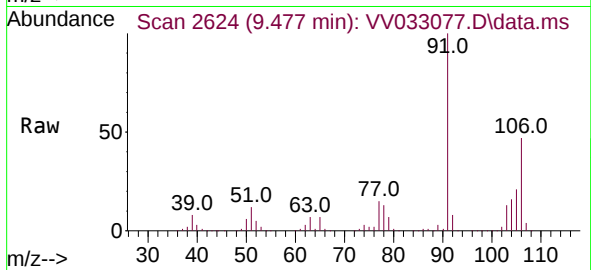




#54
o-Xylene
Concen: 207.081 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

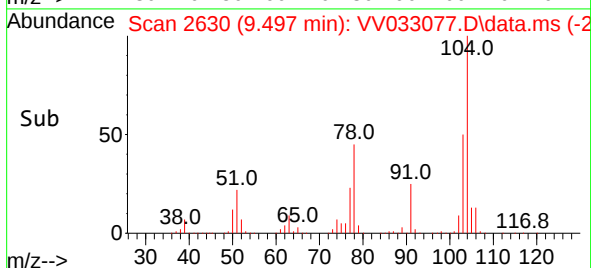
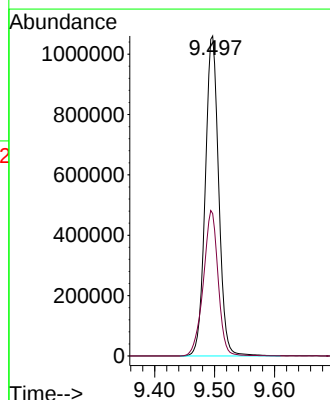
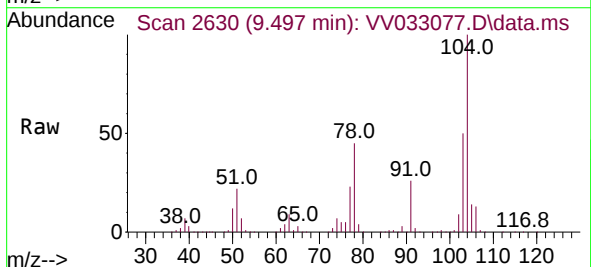
Instrument :
MSVOA_V
ClientSampleId :

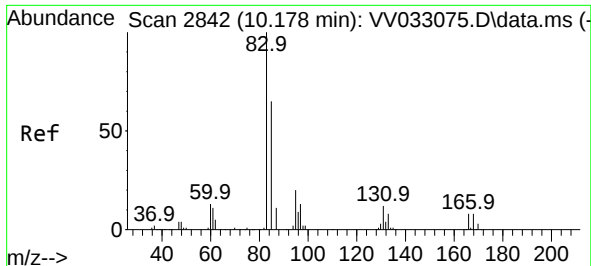
Tgt Ion:106 Resp: 941252
Ion Ratio Lower Upper
106 100
91 212.8 147.8 274.6



#55
Styrene
Concen: 210.742 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion:104 Resp: 1657075
Ion Ratio Lower Upper
104 100
78 44.5 30.2 56.0





#57

1,1,2,2-Tetrachloroethane

Concen: 217.715 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

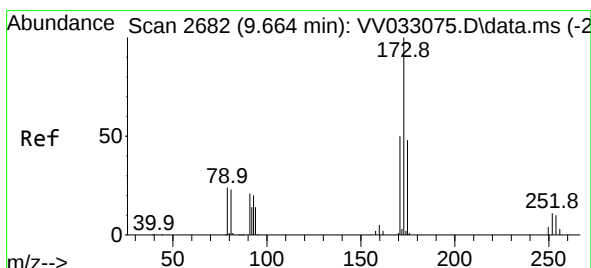
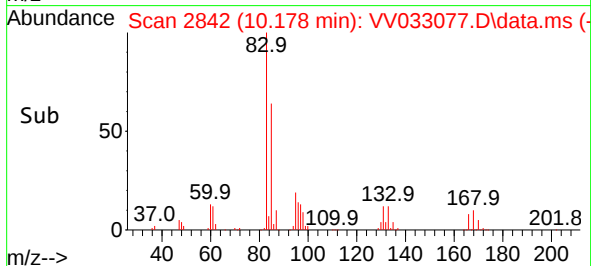
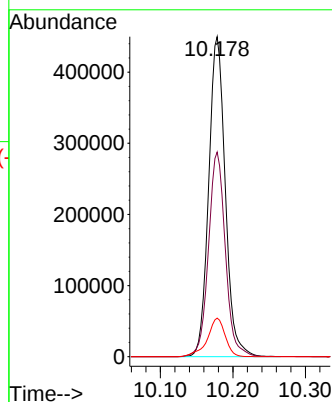
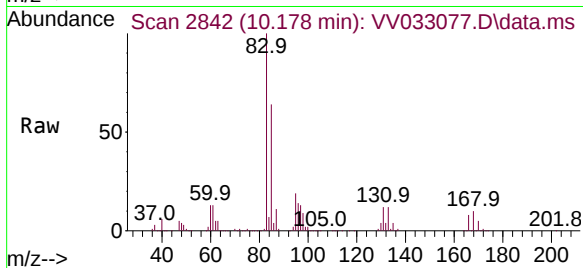
Tgt Ion: 83 Resp: 715780

Ion Ratio Lower Upper

83 100

85 63.9 45.5 84.5

131 12.0 9.7 14.5



#59

Bromoform

Concen: 199.189 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

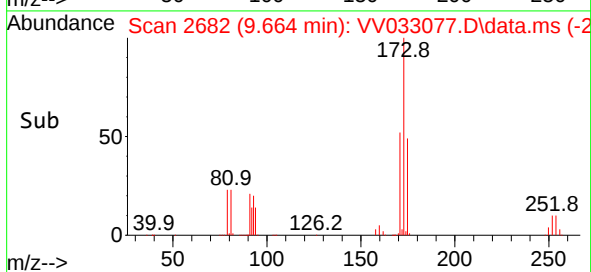
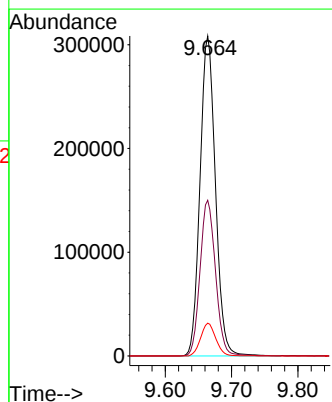
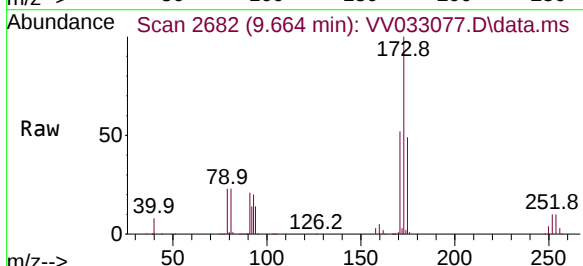
Tgt Ion: 173 Resp: 498160

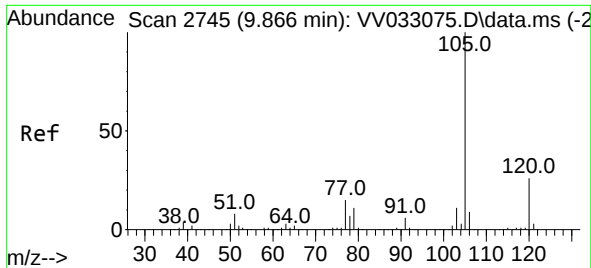
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 10.0 8.0 12.0

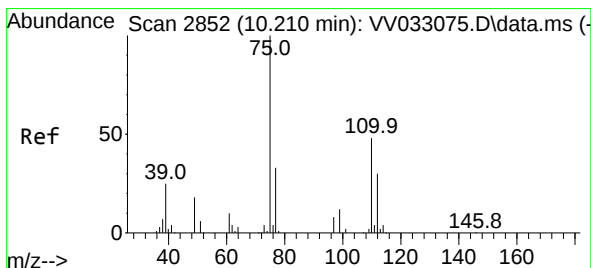
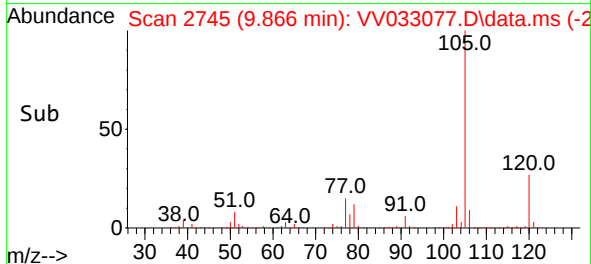
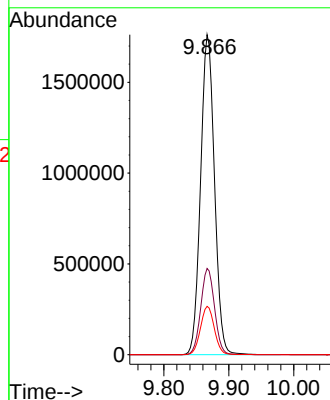
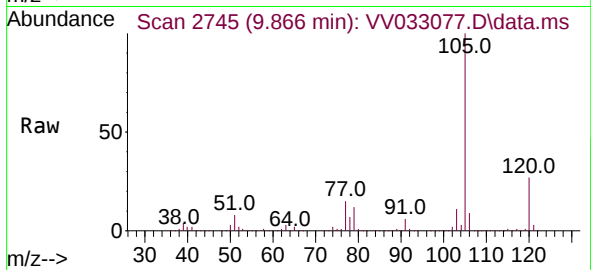




#60
Isopropylbenzene
Concen: 197.775 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

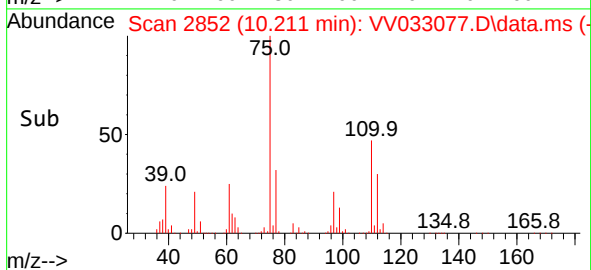
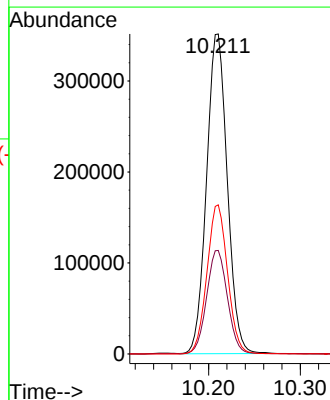
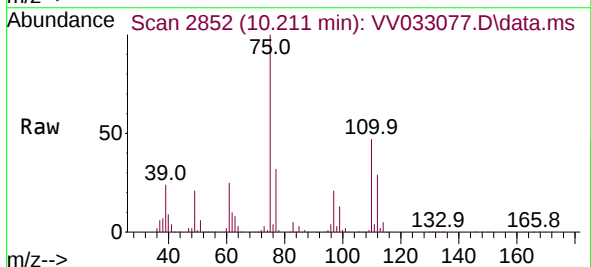
Instrument :
MSVOA_V
ClientSampleId :

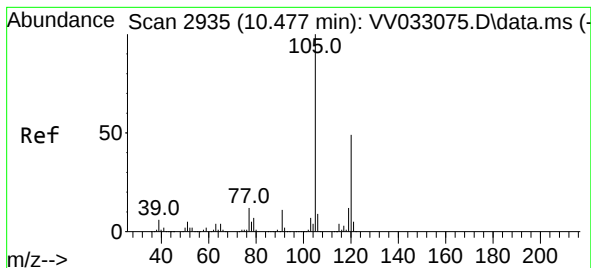
Tgt Ion:105 Resp: 2627763
Ion Ratio Lower Upper
105 100
120 26.8 21.3 31.9
77 15.0 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 192.157 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033077.D
Acq: 01 Dec 2023 14:11

Tgt Ion: 75 Resp: 552133
Ion Ratio Lower Upper
75 100
77 32.5 27.0 40.6
110 46.4 38.1 57.1





#62

1,3,5-Trimethylbenzene

Concen: 206.586 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

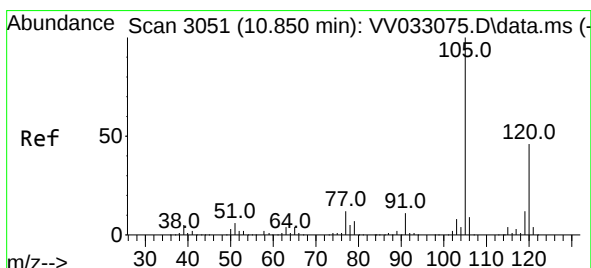
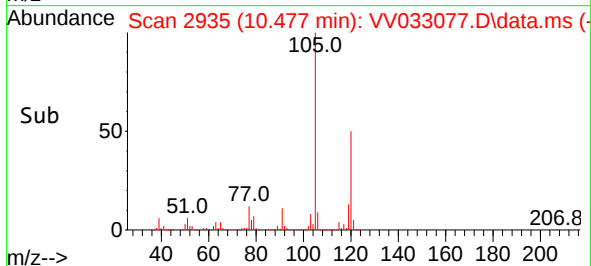
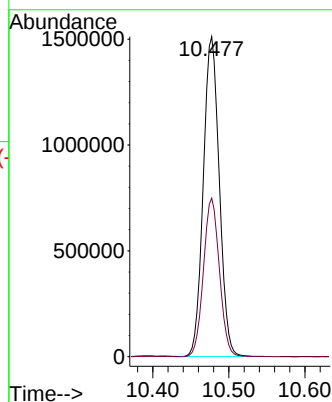
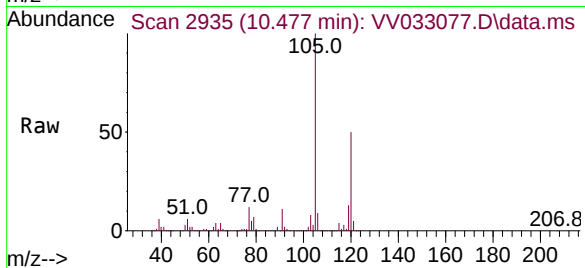
ClientSampleId :

Tgt Ion:105 Resp: 2211467

Ion Ratio Lower Upper

105 100

120 49.3 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 209.426 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033077.D

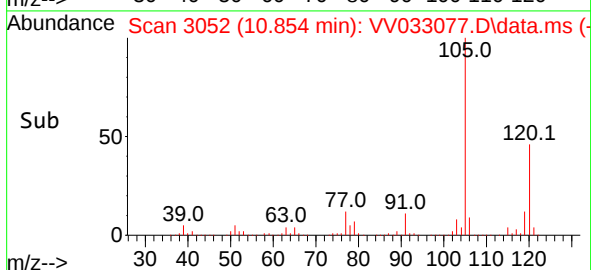
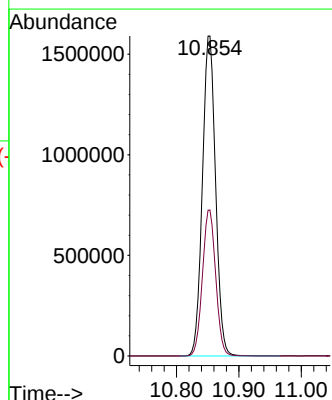
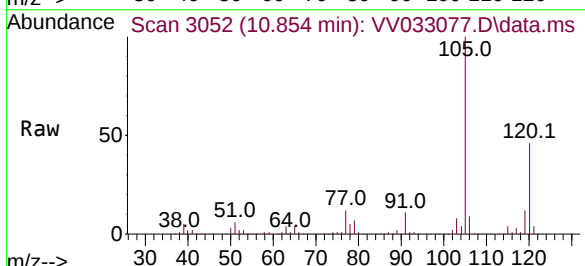
Acq: 01 Dec 2023 14:11

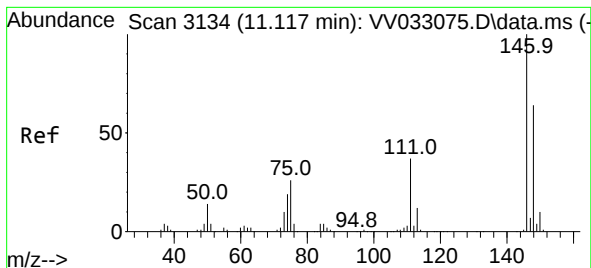
Tgt Ion:105 Resp: 2334773

Ion Ratio Lower Upper

105 100

120 45.9 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 195.298 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

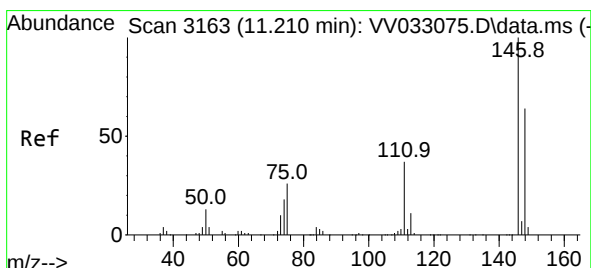
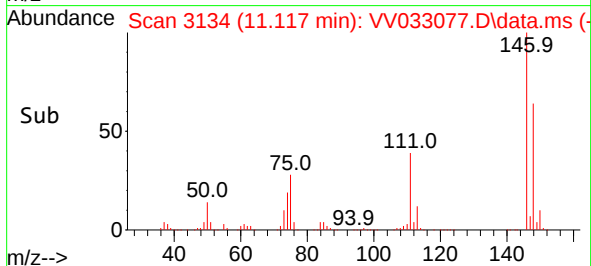
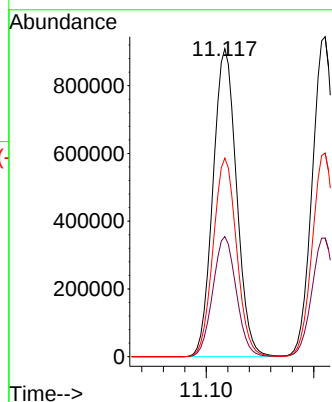
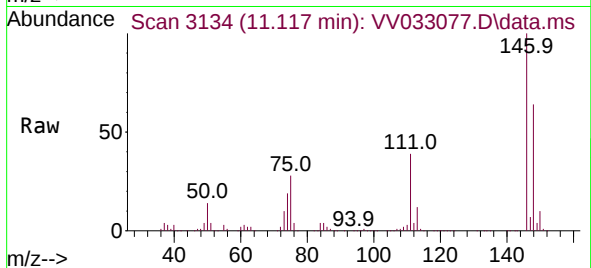
Tgt Ion:146 Resp: 1386281

Ion Ratio Lower Upper

146 100

111 39.0 26.2 48.6

148 64.5 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 192.924 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

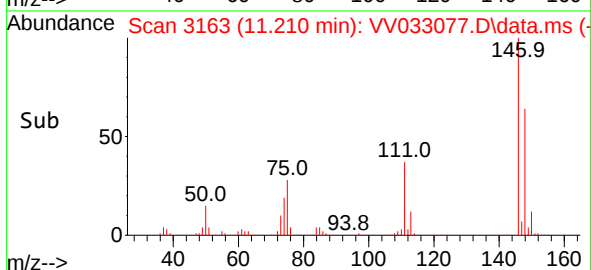
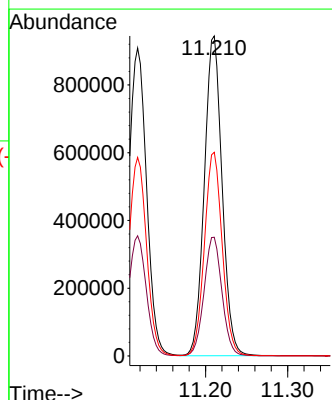
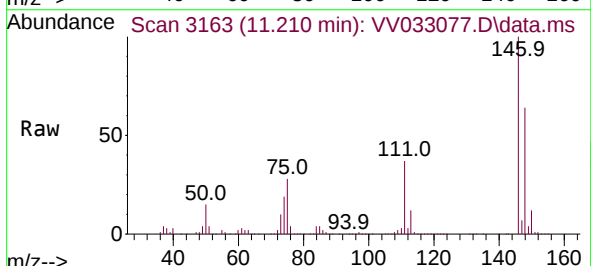
Tgt Ion:146 Resp: 1422524

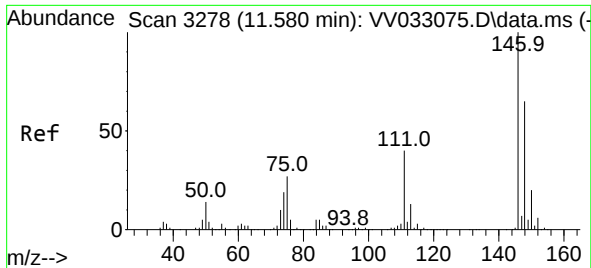
Ion Ratio Lower Upper

146 100

111 37.1 25.9 48.1

148 63.7 44.9 83.5

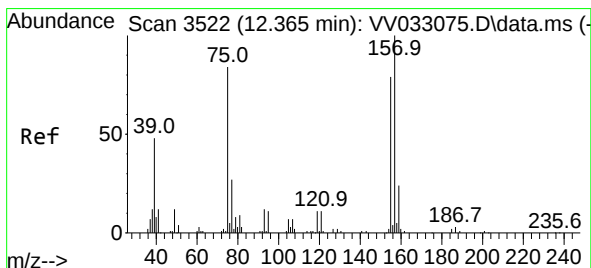
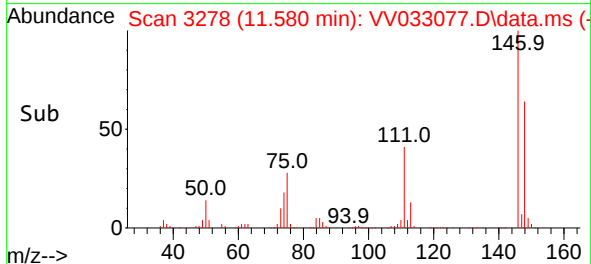
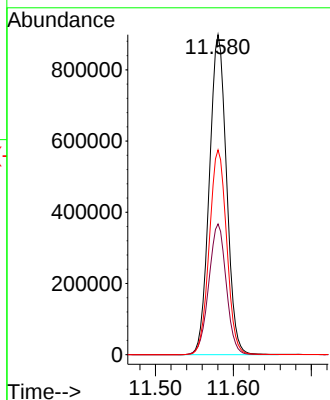
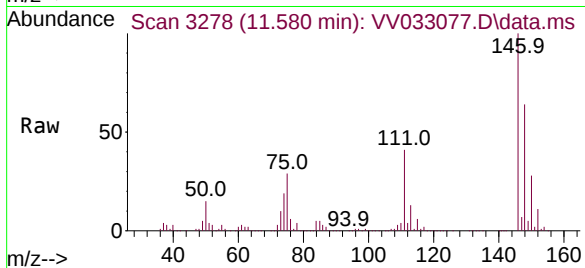




#67
 1,2-Dichlorobenzene
 Concen: 197.763 ug/L
 RT: 11.580 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV033077.D
 Acq: 01 Dec 2023 14:11

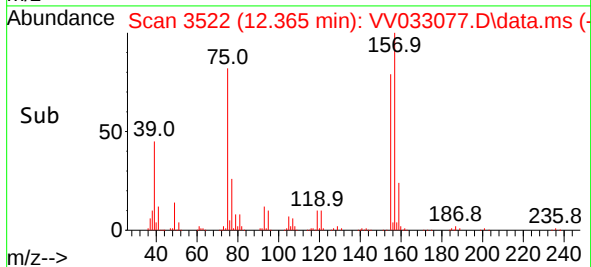
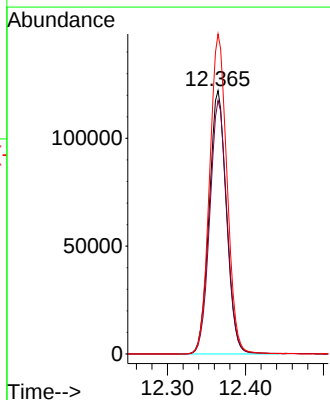
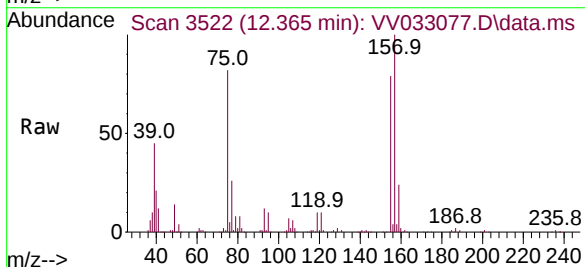
Instrument :
 MSVOA_V
 ClientSampleId :

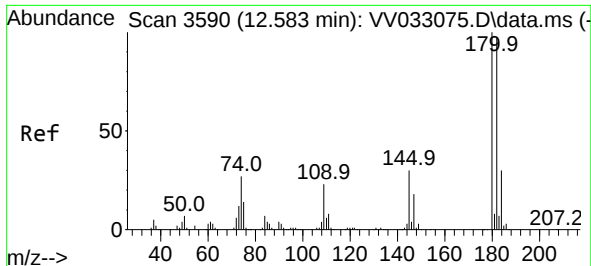
Tgt Ion:146 Resp: 1376205
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.4 48.6
 148 64.0 51.8 77.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 213.199 ug/L
 RT: 12.365 min Scan# 3522
 Delta R.T. 0.000 min
 Lab File: VV033077.D
 Acq: 01 Dec 2023 14:11

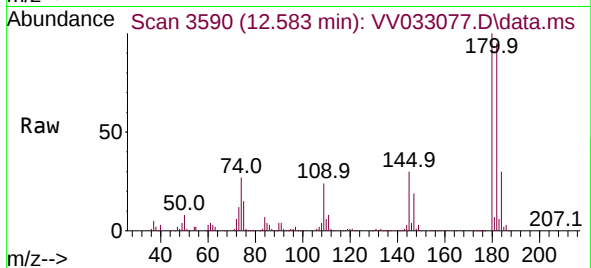
Tgt Ion: 75 Resp: 187968
 Ion Ratio Lower Upper
 75 100
 155 96.2 75.8 113.6
 157 121.5 95.4 143.0



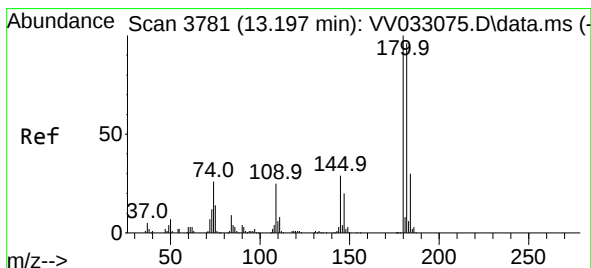
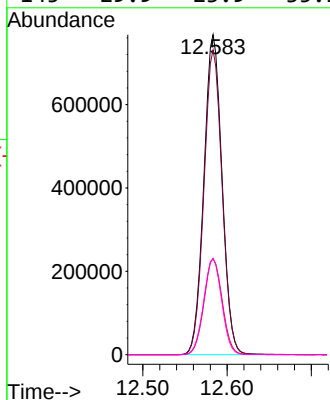
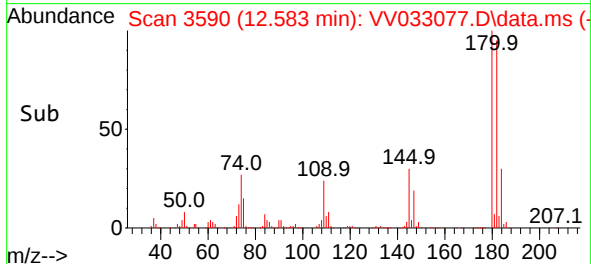


#69
 1,3,5-Trichlorobenzene
 Concen: 202.994 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV033077.D
 Acq: 01 Dec 2023 14:11

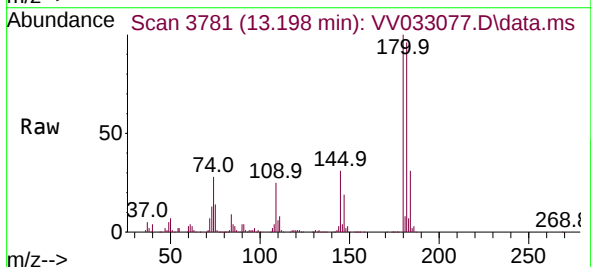
Instrument :
 MSVOA_V
 ClientSampleId :



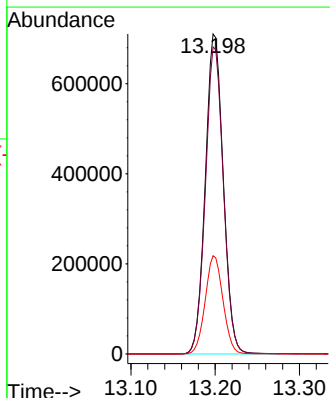
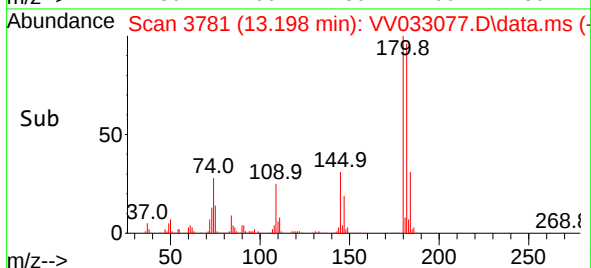
Tgt Ion:180 Resp: 1154179
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.4
 184 30.2 24.2 36.4
 145 29.9 23.9 35.9

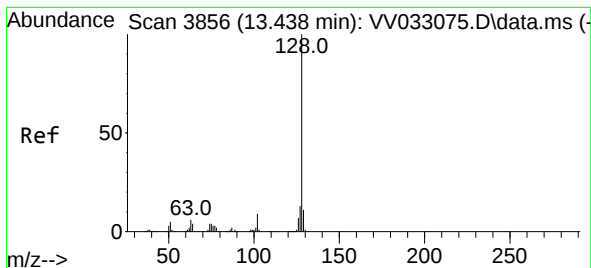


#70
 1,2,4-trichlorobenzene
 Concen: 201.286 ug/L
 RT: 13.198 min Scan# 3781
 Delta R.T. 0.000 min
 Lab File: VV033077.D
 Acq: 01 Dec 2023 14:11



Tgt Ion:180 Resp: 1057360
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.3 114.5
 145 30.3 23.4 35.0





#71

Naphthalene

Concen: 202.842 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Instrument :

MSVOA_V

ClientSampleId :

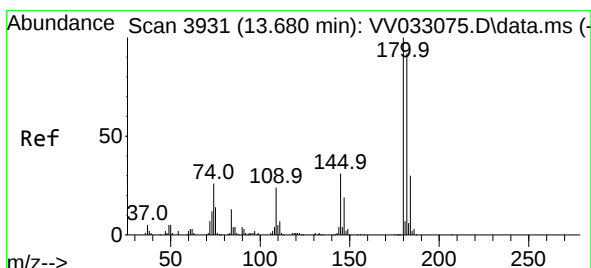
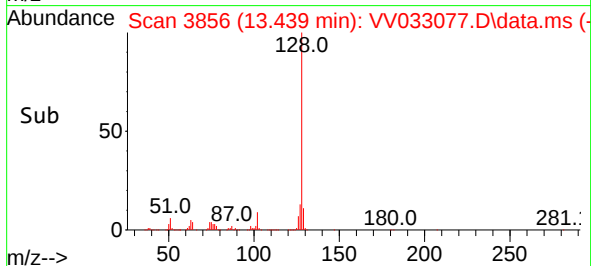
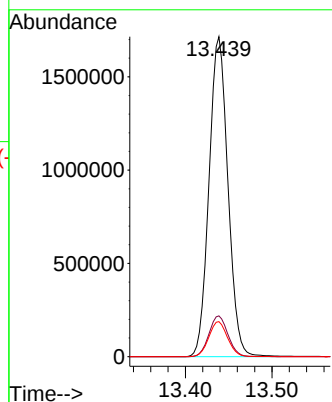
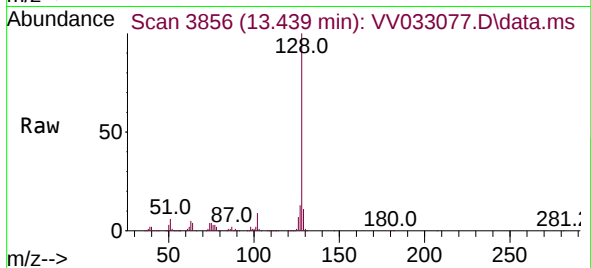
Tgt Ion:128 Resp: 2598557

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 191.678 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033077.D

Acq: 01 Dec 2023 14:11

Tgt Ion:180 Resp: 971573

Ion Ratio Lower Upper

180 100

182 96.3 75.2 112.8

145 32.6 24.9 37.3

