

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033377.D
 Acq On : 15 Dec 2023 14:37
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 15 23:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 22:58:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	240898	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	246784	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	140560	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	191666	124.761	ug/L	0.00
7) Chloroethane-d5	1.529	69	168353	146.541	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	92506	148.797	ug/L	0.00
21) 2-Butanone-d5	3.777	46	206172	268.956	ug/L	0.00
24) Chloroform-d	4.246	84	375143	117.323	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	232352	117.205	ug/L	0.00
32) Benzene-d6	4.960	84	709281	118.625	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	209589	126.790	ug/L	0.00
41) Toluene-d8	7.243	98	678704	119.141	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	111061	112.669	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	164787	257.595	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	303107	128.527	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	270016	106.402	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	193717	76.912	ug/L	99
3) Chloromethane	1.214	50	171883	97.877	ug/L	98
5) Vinyl chloride	1.281	62	191472	110.503	ug/L	100
6) Bromomethane	1.481	94	129231	113.919	ug/L	98
8) Chloroethane	1.545	64	130003	131.730	ug/L	97
9) Trichlorofluoromethane	1.712	101	334020	116.208	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	191381	134.203	ug/L	100
12) 1,1-Dichloroethene	2.069	96	169446	129.831	ug/L	94
13) Acetone	2.108	43	218573	278.578	ug/L	100
14) Carbon disulfide	2.240	76	428963	99.115	ug/L	99
15) Methyl Acetate	2.368	43	162576	132.226	ug/L	96
16) Methylene chloride	2.445	84	179195	108.388	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	162131	101.652	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	525768	108.521	ug/L	99
19) 1,1-Dichloroethane	3.111	63	309515	113.058	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	188323	110.566	ug/L	99
22) 2-Butanone	3.857	43	231359	252.915	ug/L	94
23) Bromochloromethane	4.143	128	97350	99.793	ug/L	97
25) Chloroform	4.272	83	339996	109.588	ug/L	98
27) 1,2-Dichloroethane	5.037	62	268384	109.288	ug/L	99
29) Cyclohexane	4.584	56	246990	108.539	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	309362	101.526	ug/L	99
31) Carbon tetrachloride	4.735	117	274786	97.551	ug/L	98
33) Benzene	5.008	78	690261	108.845	ug/L	100
34) Trichloroethene	5.831	95	180442	97.116	ug/L	99
35) Methylcyclohexane	6.050	83	275908	102.781	ug/L	99
37) 1,2-Dichloropropane	6.092	63	182855	120.665	ug/L	100
38) Bromodichloromethane	6.429	83	257811	108.287	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	284507	107.418	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	445765	272.058	ug/L	99
42) Toluene	7.313	91	756859	106.429	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	291484	110.637	ug/L	97

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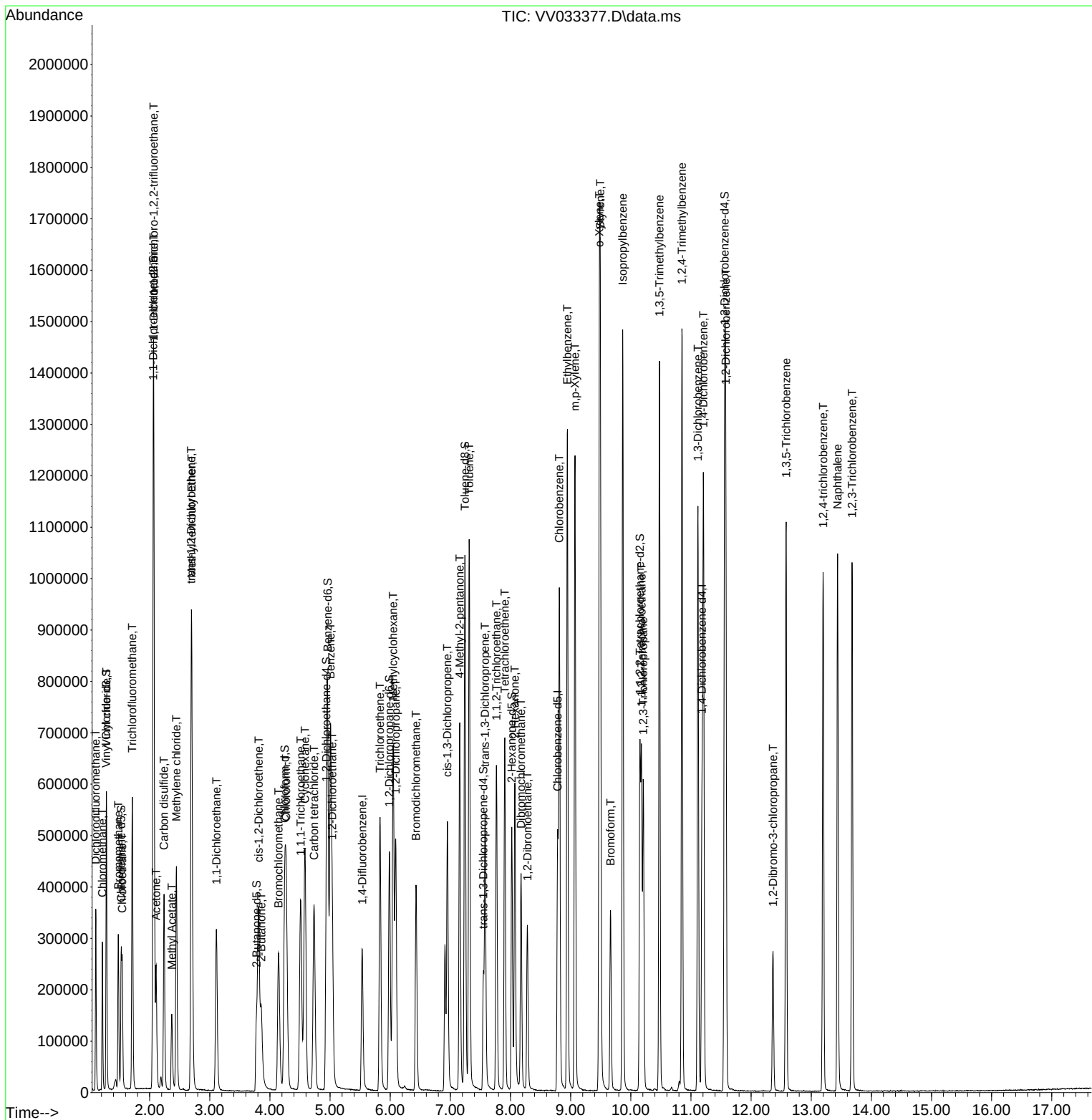
Instrument :
 MSVOA_V
 ClientSampleId :

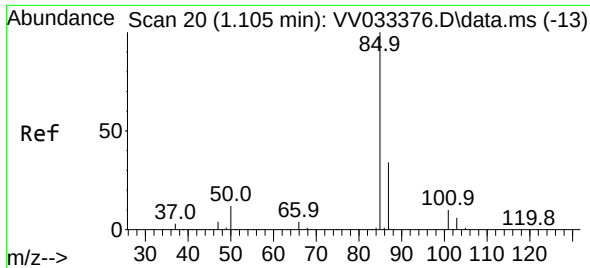
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	189038	109.479	ug/L	98
46) Tetrachloroethene	7.905	164	142373	90.752	ug/L	99
48) 2-Hexanone	8.072	43	358523	265.816	ug/L	99
49) Dibromochloromethane	8.175	129	205673	102.760	ug/L	100
50) 1,2-Dibromoethane	8.281	107	198104	108.435	ug/L	95
51) Chlorobenzene	8.812	112	502938	101.165	ug/L	98
52) Ethylbenzene	8.947	91	866472	107.066	ug/L	100
53) m,p-Xylene	9.072	106	330187	103.541	ug/L	100
54) o-Xylene	9.477	106	320807	102.639	ug/L	96
55) Styrene	9.493	104	574861	105.338	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	290316	119.241	ug/L	99
59) Bromoform	9.664	173	144039	95.482	ug/L	99
60) Isopropylbenzene	9.866	105	885377	108.659	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	223363	118.845	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	699491	107.941	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	741901	109.613	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	425859	98.736	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	434294	96.491	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	429950	100.683	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	64623	116.048	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	303104	90.280	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	276223	90.440	ug/L	100
71) Naphthalene	13.439	128	766191	101.330	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	275010	92.386	ug/L	99

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

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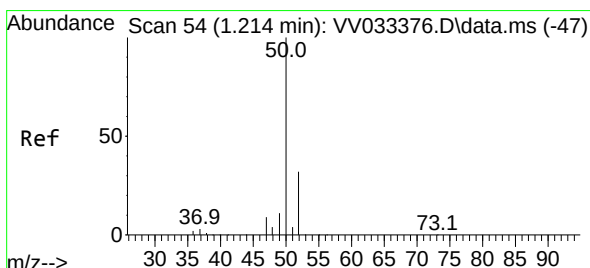
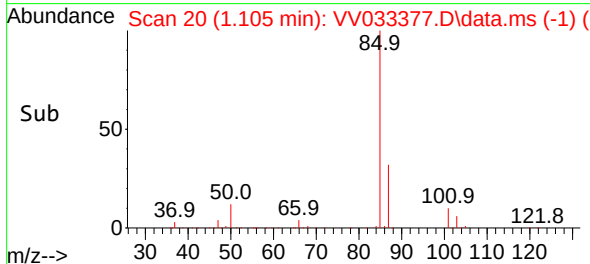
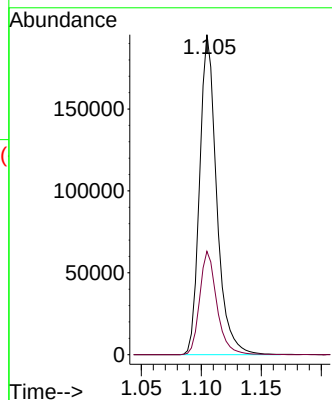
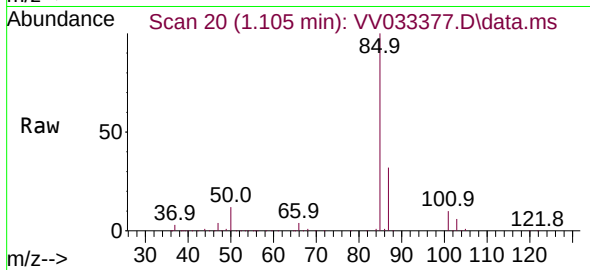




#2
 Dichlorodifluoromethane
 Concen: 76.912 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

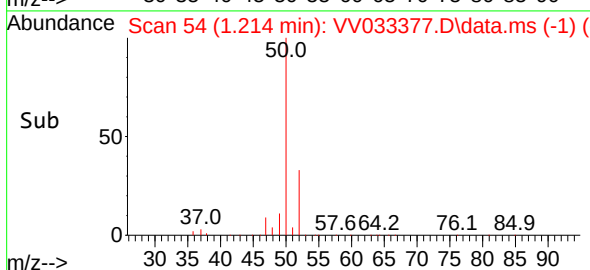
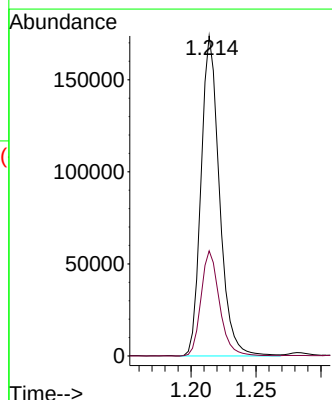
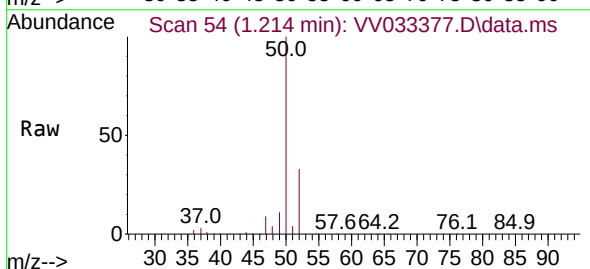
Instrument :
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 ClientSampleId :

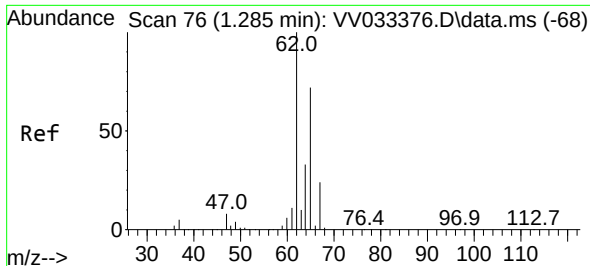
Tgt Ion: 85 Resp: 193717
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.6 39.8



#3
 Chloromethane
 Concen: 97.877 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.000 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

Tgt Ion: 50 Resp: 171883
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.3 41.5





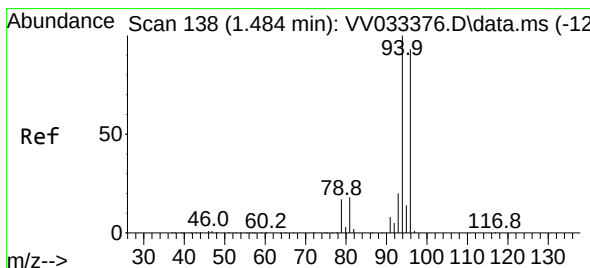
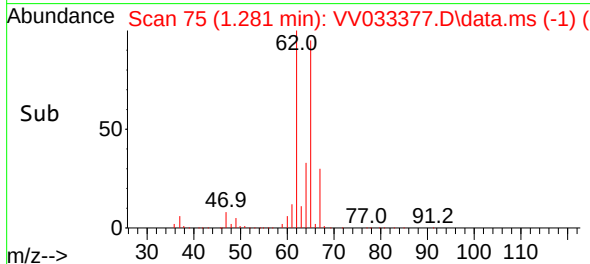
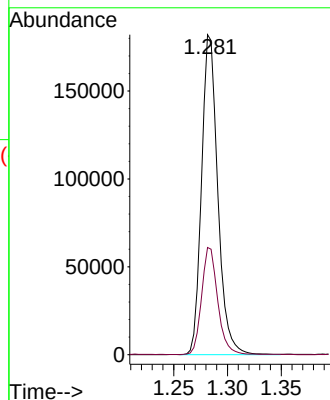
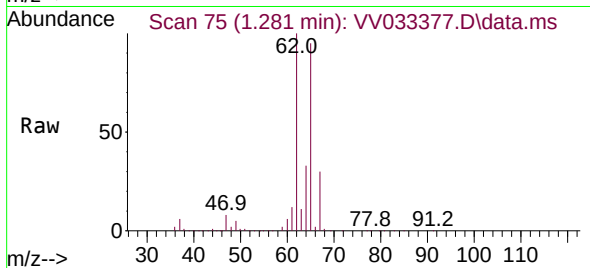
#5
 Vinyl chloride
 Concen: 110.503 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

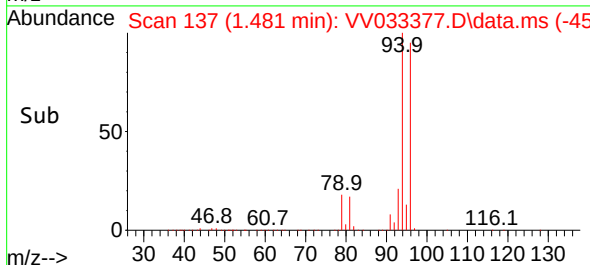
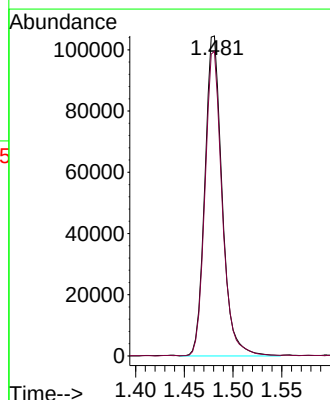
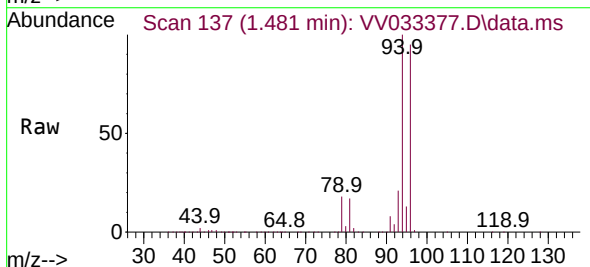
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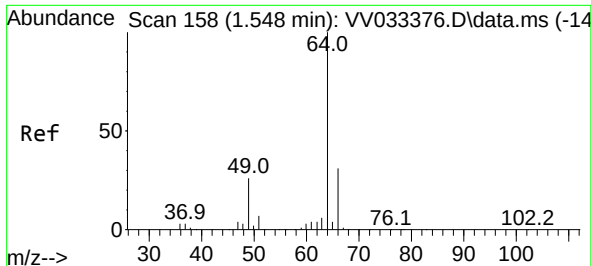
Tgt Ion: 62 Resp: 191472
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.4 43.6



#6
 Bromomethane
 Concen: 113.919 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

Tgt Ion: 94 Resp: 129231
 Ion Ratio Lower Upper
 94 100
 96 95.2 65.1 120.9

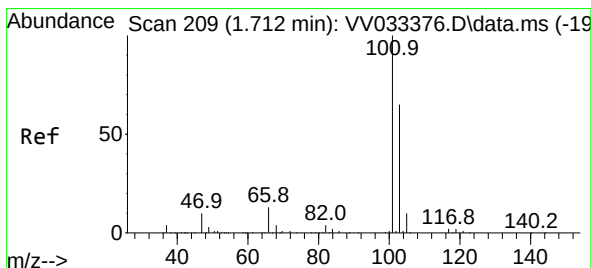
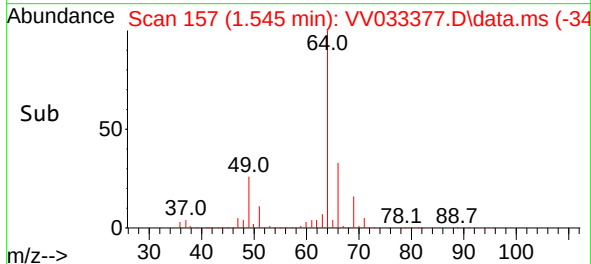
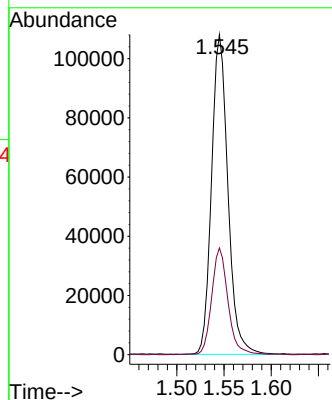
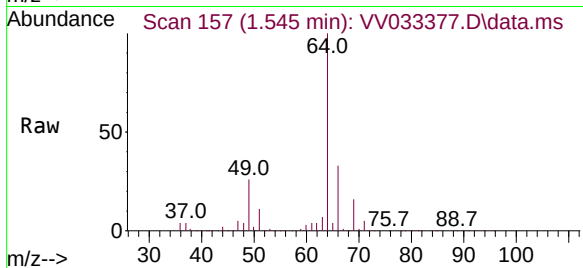




#8
Chloroethane
Concen: 131.730 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

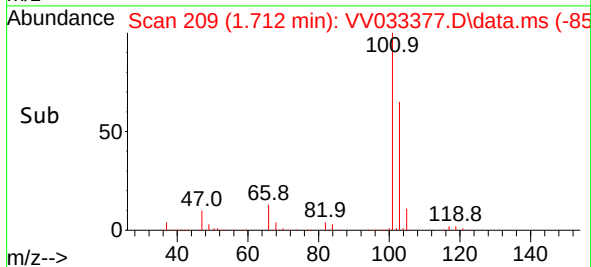
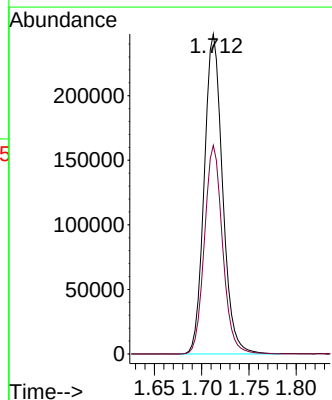
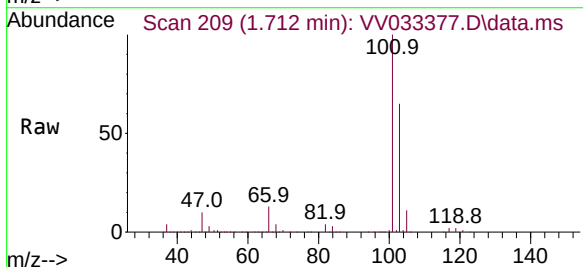
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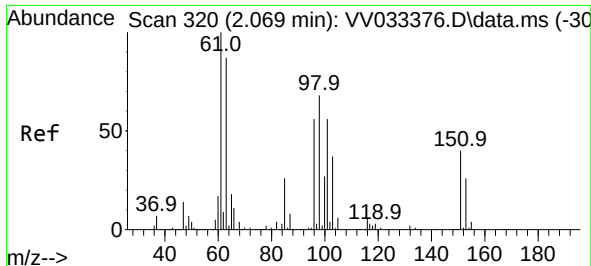
Tgt Ion: 64 Resp: 130003
Ion Ratio Lower Upper
64 100
66 33.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 116.208 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion:101 Resp: 334020
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.4

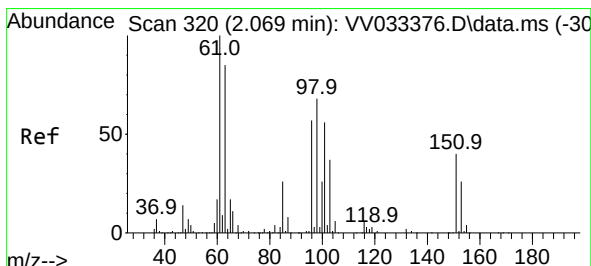
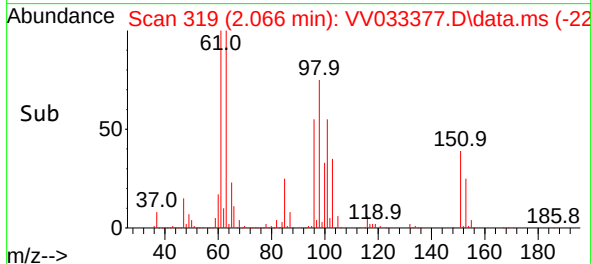
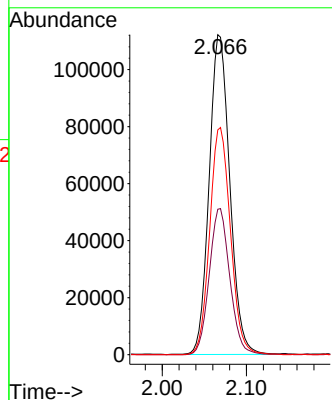
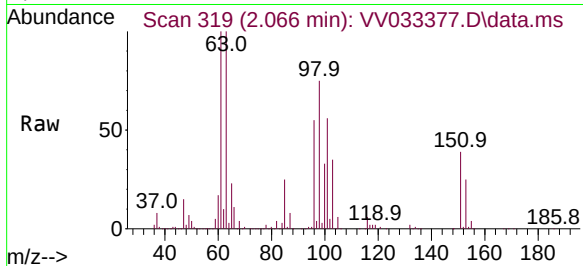




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 134.203 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. -0.003 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

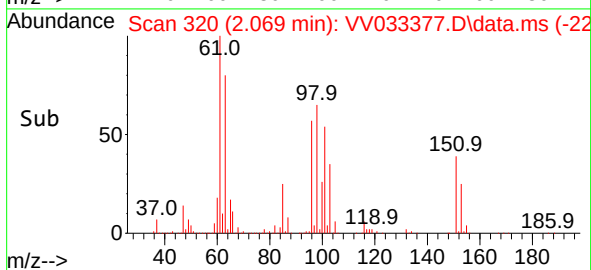
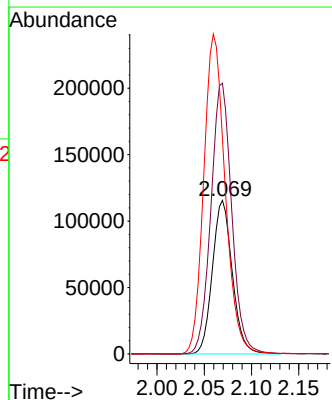
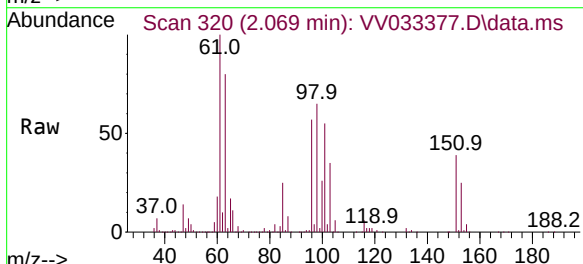
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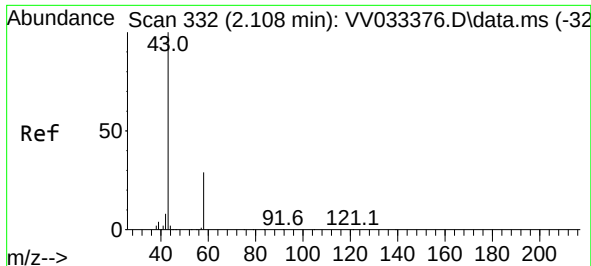
Tgt Ion:101 Resp: 191381
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.6 54.8
 151 71.4 57.0 85.6



#12
 1,1-Dichloroethene
 Concen: 129.831 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

Tgt Ion: 96 Resp: 169446
 Ion Ratio Lower Upper
 96 100
 61 176.2 124.3 230.8
 63 140.3 108.1 200.7





#13

Acetone

Concen: 278.578 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

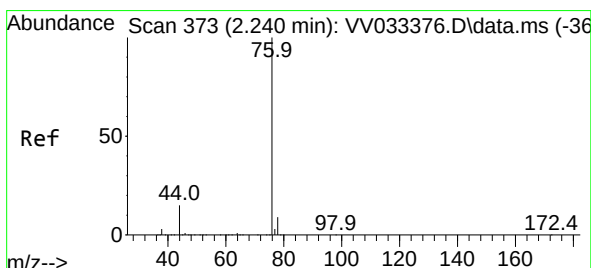
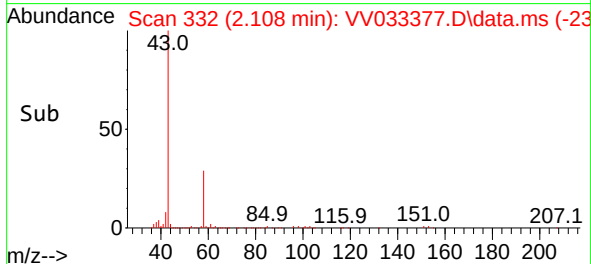
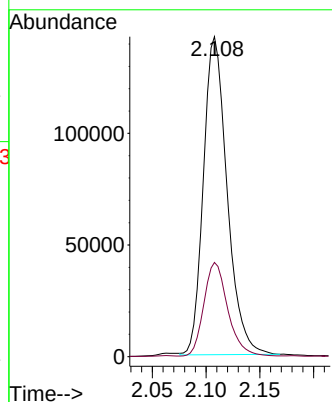
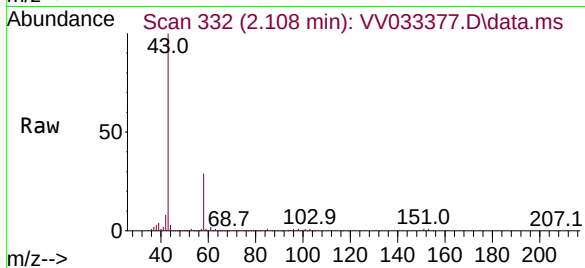
ClientSampleId :

Tgt Ion: 43 Resp: 218573

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.2



#14

Carbon disulfide

Concen: 99.115 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV033377.D

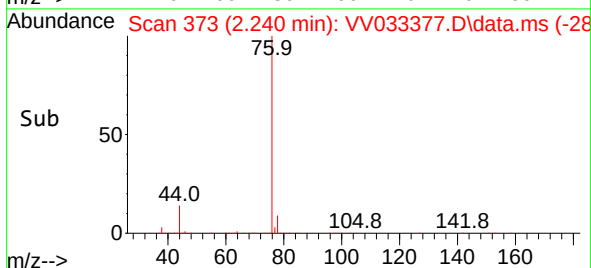
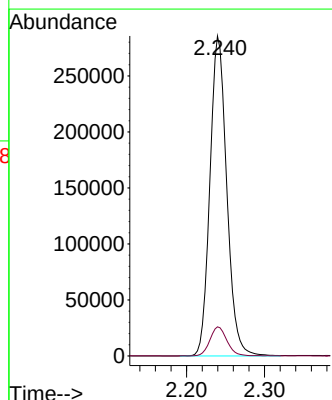
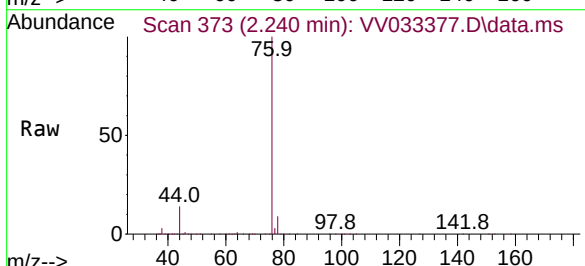
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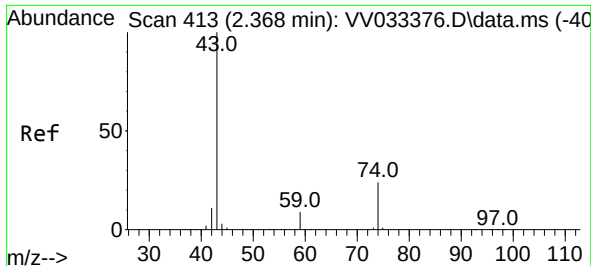
Tgt Ion: 76 Resp: 428963

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4

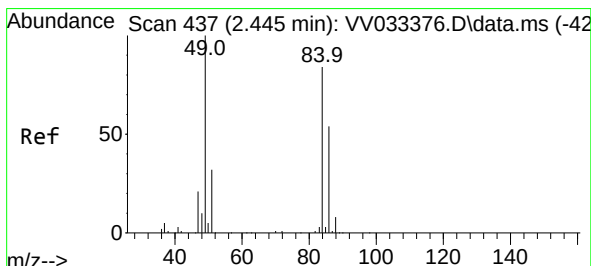
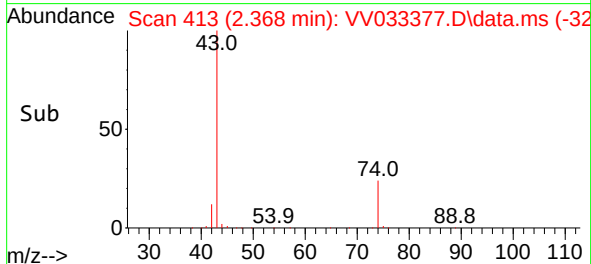
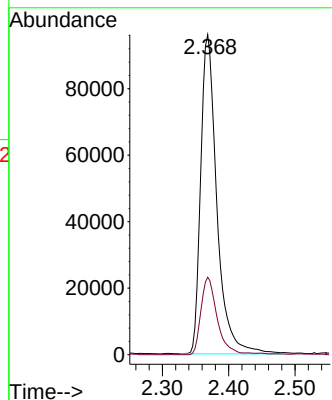
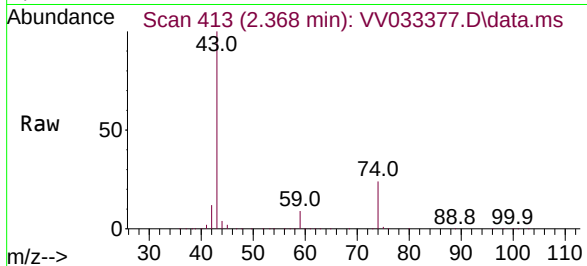




#15
Methyl Acetate
Concen: 132.226 ug/L
RT: 2.368 min Scan# 413
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

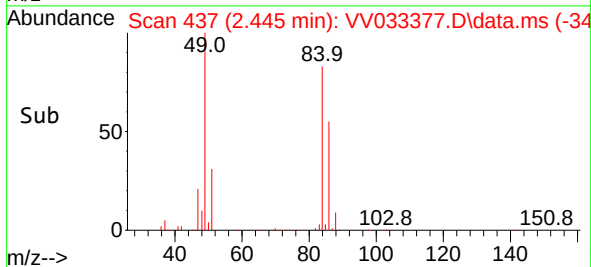
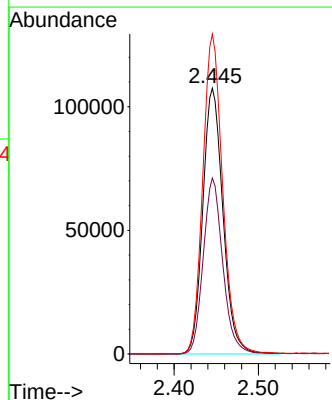
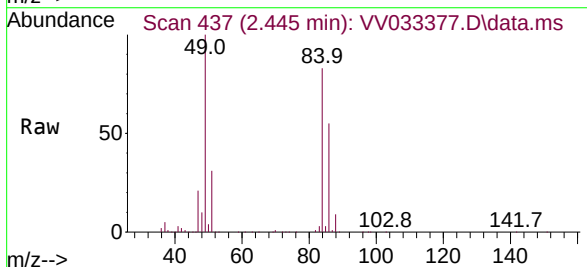
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MSVOA_V
ClientSampleId :

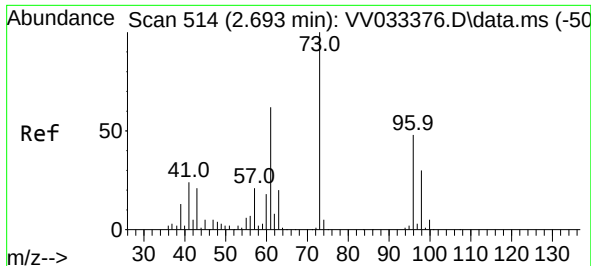
Tgt Ion: 43 Resp: 162576
Ion Ratio Lower Upper
43 100
74 24.1 20.8 31.2



#16
Methylene chloride
Concen: 108.388 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion: 84 Resp: 179195
Ion Ratio Lower Upper
84 100
86 66.2 45.4 84.2
49 120.4 83.3 154.7





#17

trans-1,2-Dichloroethene

Concen: 101.652 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

ClientSampleId :

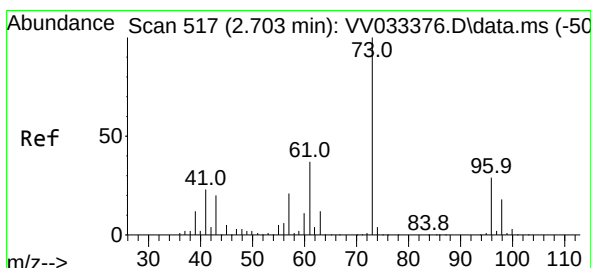
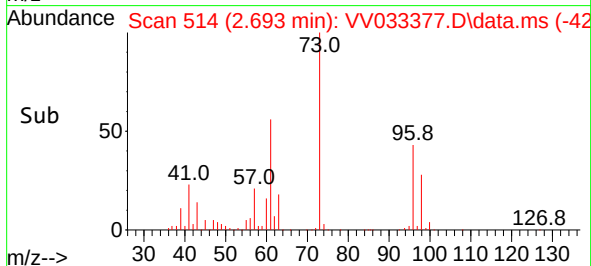
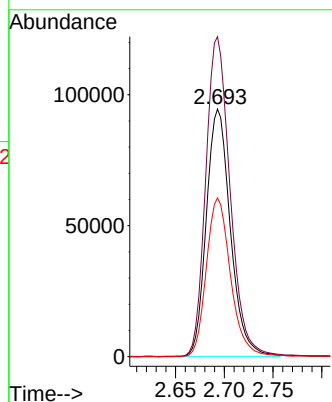
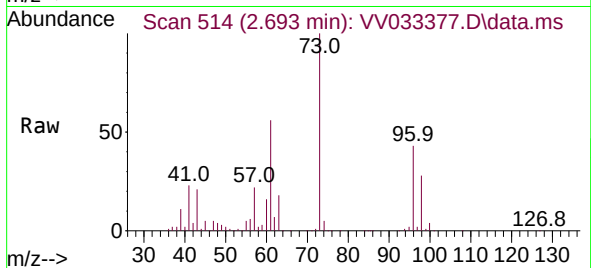
Tgt Ion: 96 Resp: 162131

Ion Ratio Lower Upper

96 100

61 129.2 89.6 166.4

98 64.1 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 108.521 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

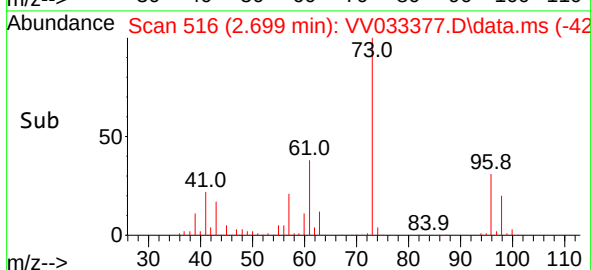
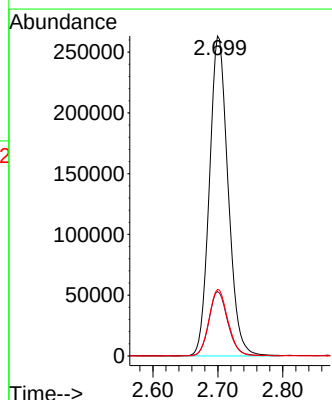
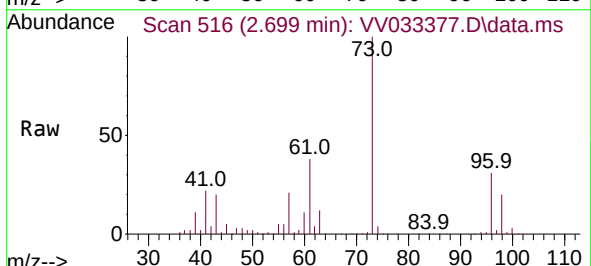
Tgt Ion: 73 Resp: 525768

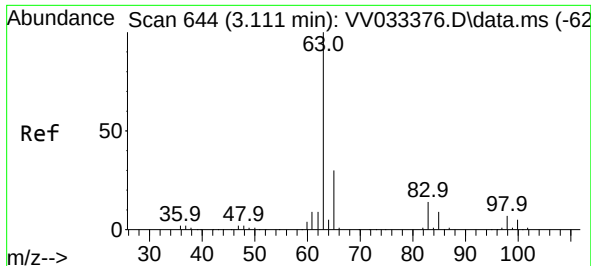
Ion Ratio Lower Upper

73 100

43 20.1 16.3 24.5

57 21.0 17.3 25.9





#19

1,1-Dichloroethane

Concen: 113.058 ug/L

RT: 3.111 min Scan# 644

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

ClientSampleId :

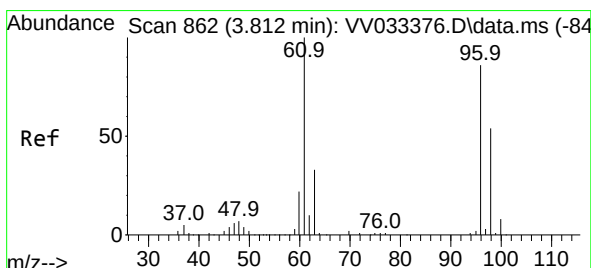
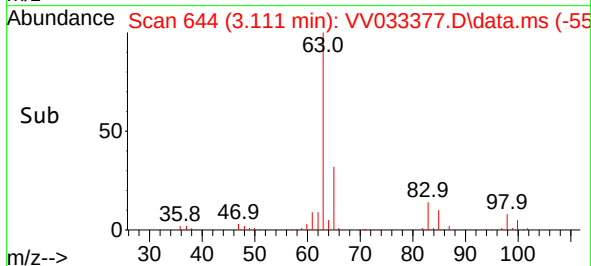
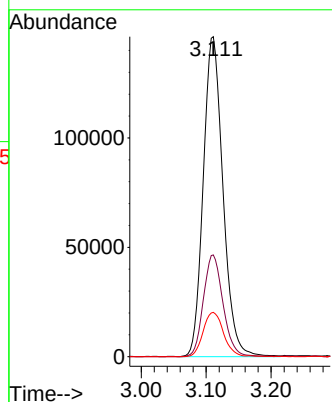
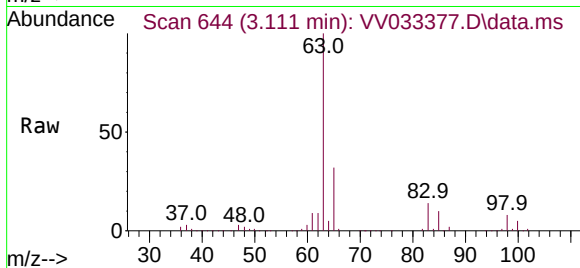
Tgt Ion: 63 Resp: 309515

Ion Ratio Lower Upper

63 100

65 31.8 21.1 39.3

83 13.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 110.566 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

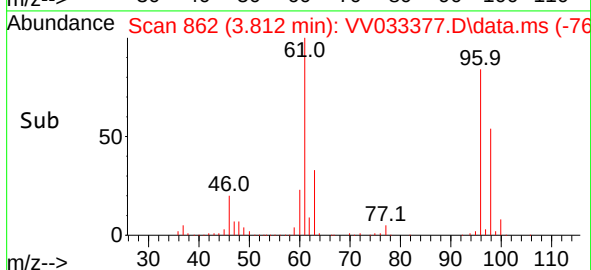
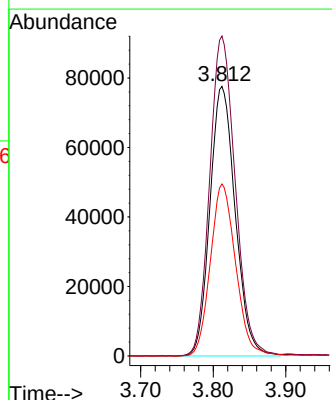
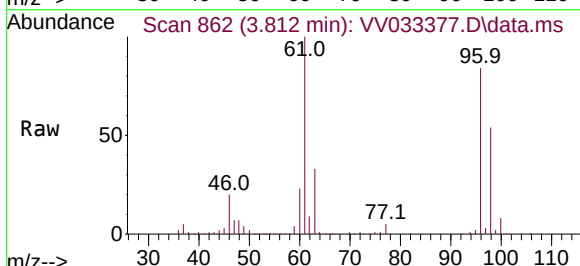
Tgt Ion: 96 Resp: 188323

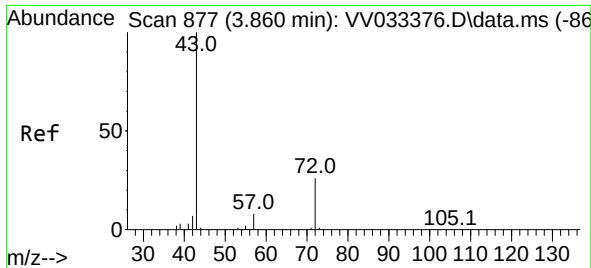
Ion Ratio Lower Upper

96 100

61 118.7 81.9 152.1

98 63.8 44.3 82.3

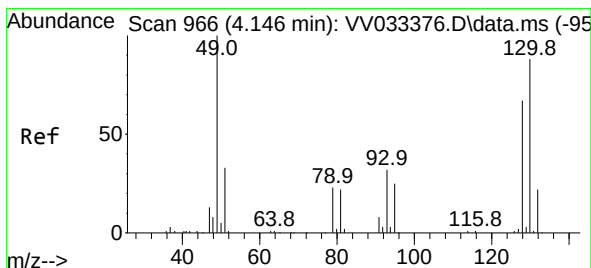
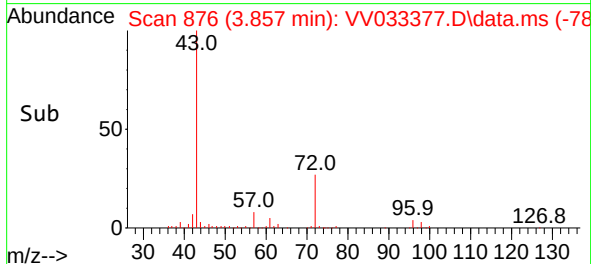
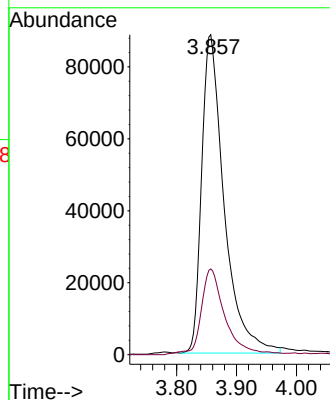
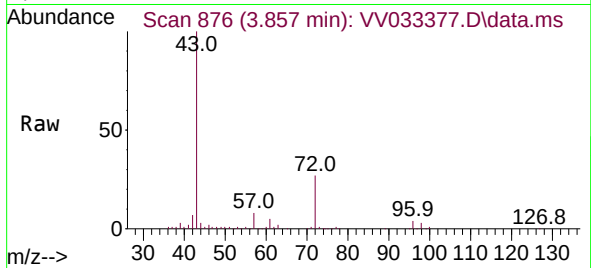




#22
2-Butanone
Concen: 252.915 ug/L
RT: 3.857 min Scan# 81
Delta R.T. -0.003 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

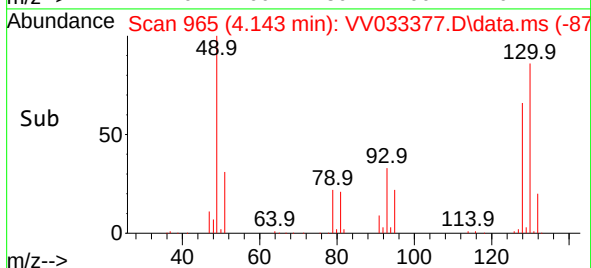
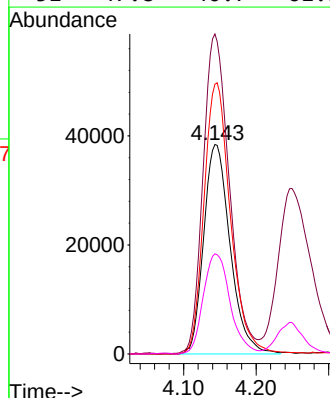
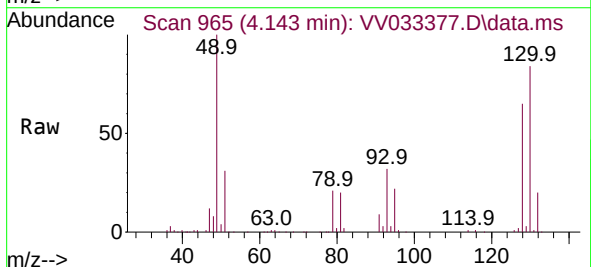
Instrument :
MSVOA_V
ClientSampleId :

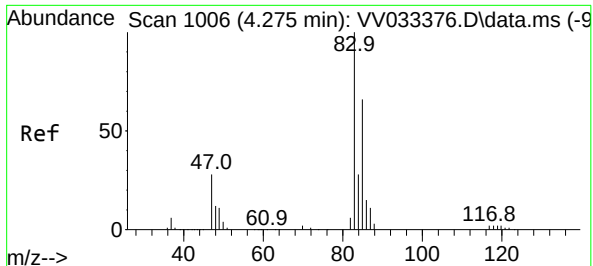
Tgt Ion: 43 Resp: 231359
Ion Ratio Lower Upper
43 100
72 27.8 12.4 37.4



#23
Bromochloromethane
Concen: 99.793 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion:128 Resp: 97350
Ion Ratio Lower Upper
128 100
49 152.7 106.0 196.9
130 128.8 93.6 173.8
51 47.8 40.7 61.1





#25

Chloroform

Concen: 109.588 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.003 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

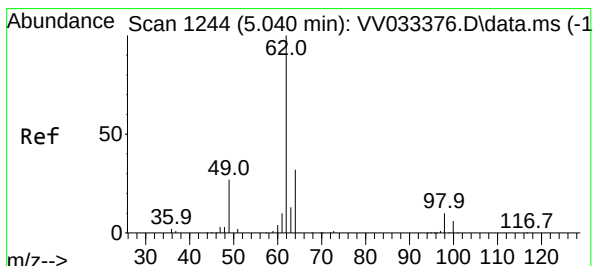
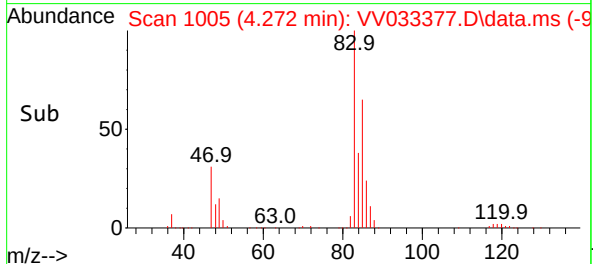
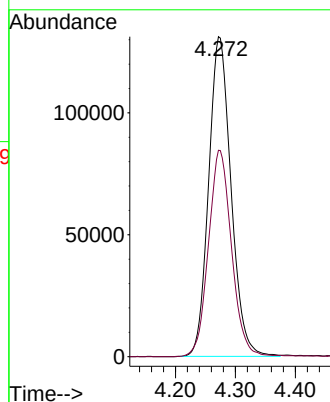
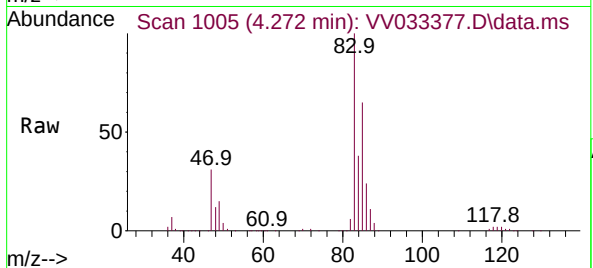
ClientSampleId :

Tgt Ion: 83 Resp: 339996

Ion Ratio Lower Upper

83 100

85 64.5 46.1 85.7



#27

1,2-Dichloroethane

Concen: 109.288 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV033377.D

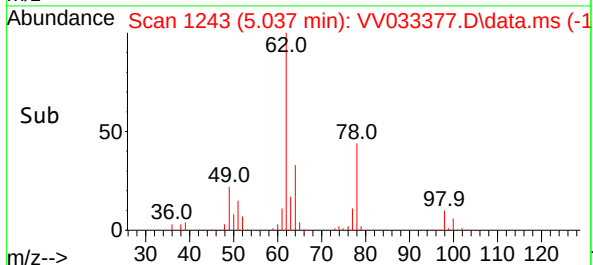
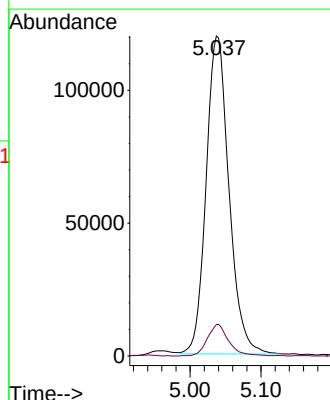
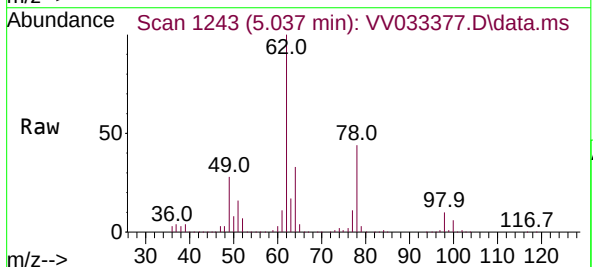
Acq: 15 Dec 2023 14:37

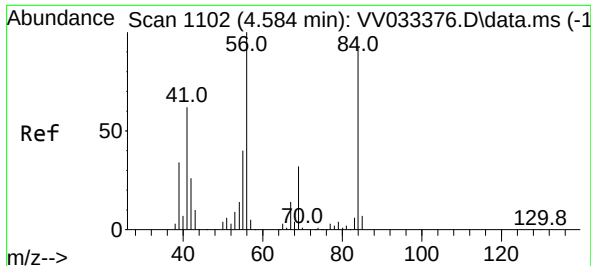
Tgt Ion: 62 Resp: 268384

Ion Ratio Lower Upper

62 100

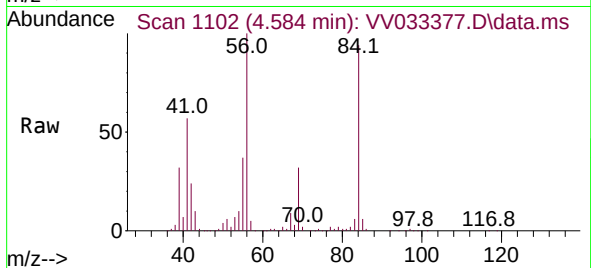
98 9.8 8.0 12.0



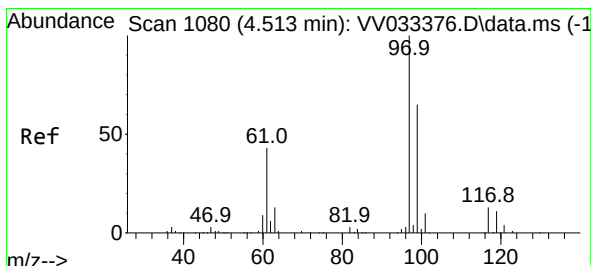
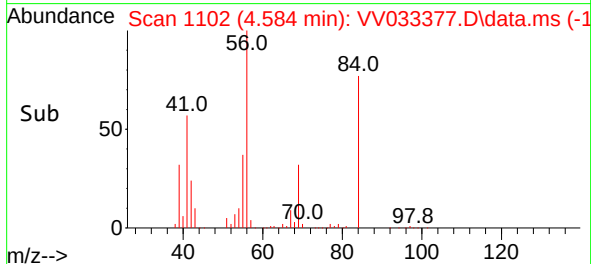
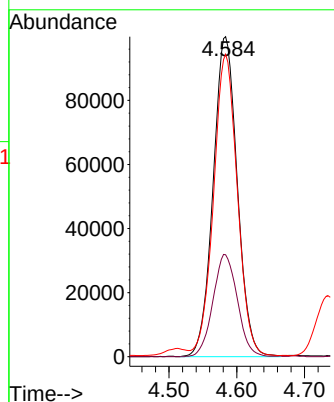


#29
Cyclohexane
Concen: 108.539 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Instrument :
MSVOA_V
ClientSampleId :

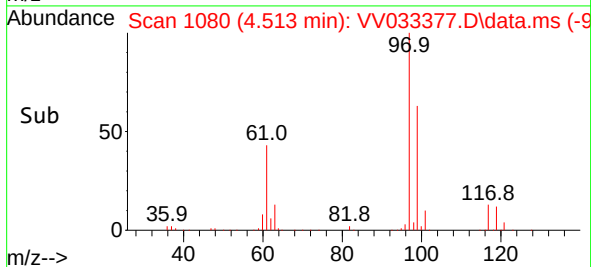
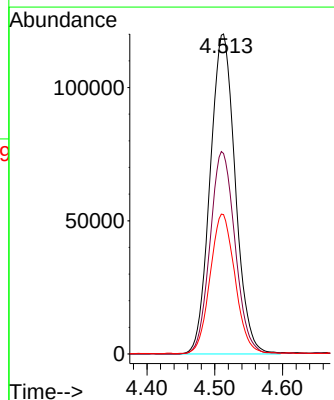
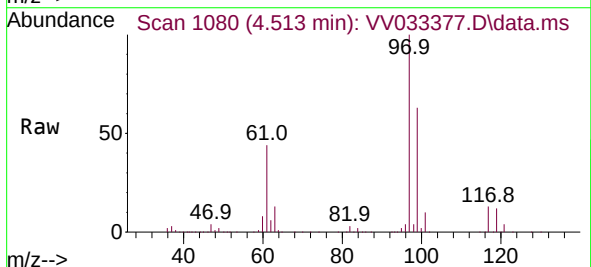


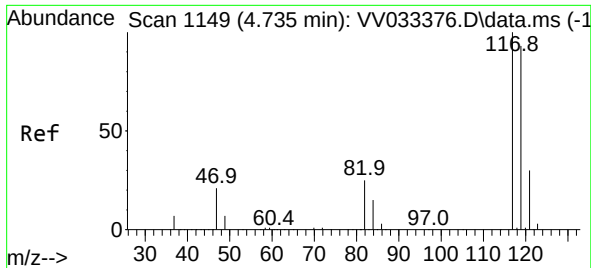
Tgt Ion: 56 Resp: 246990
Ion Ratio Lower Upper
56 100
69 32.3 25.8 38.6
84 92.6 75.2 112.8



#30
1,1,1-Trichloroethane
Concen: 101.526 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion: 97 Resp: 309362
Ion Ratio Lower Upper
97 100
99 63.3 51.8 77.6
61 43.1 34.8 52.2

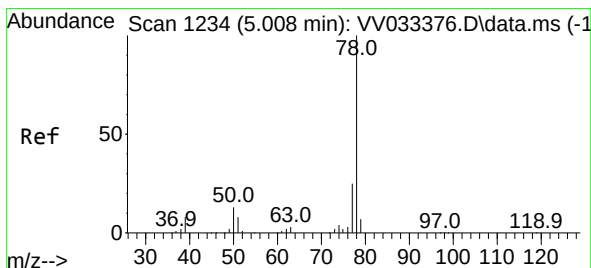
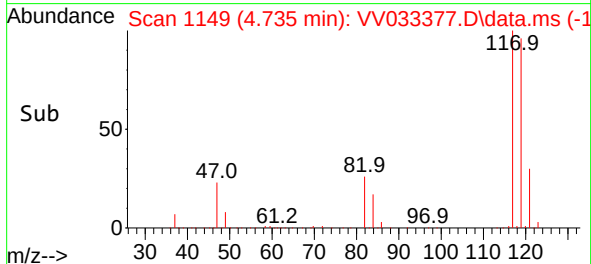
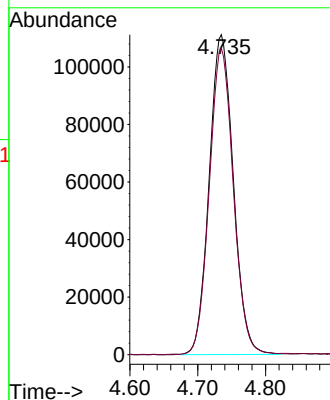
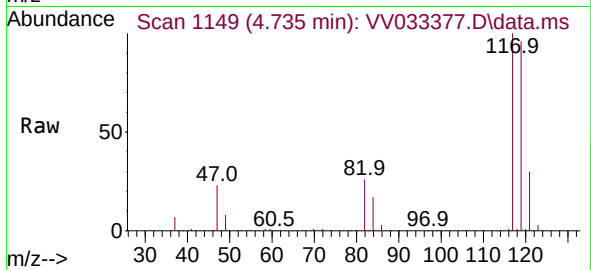




#31
Carbon tetrachloride
Concen: 97.551 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

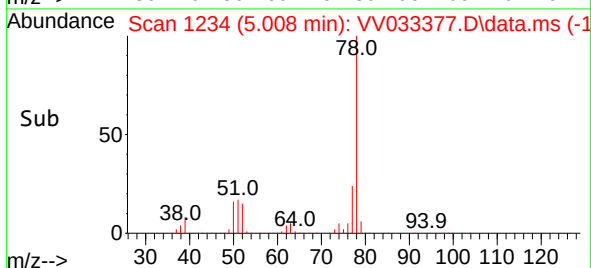
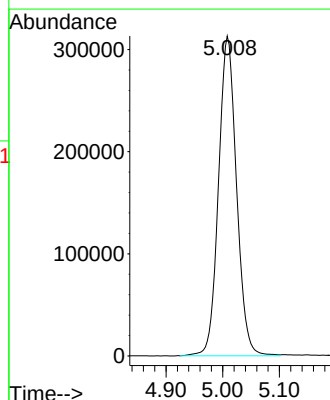
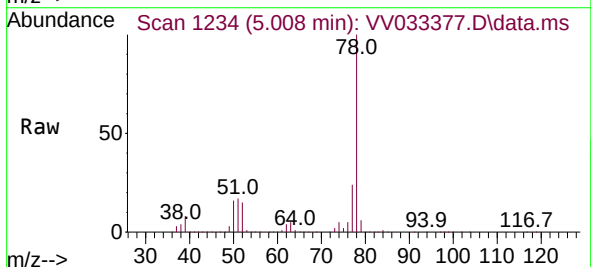
Instrument :
MSVOA_V
ClientSampleId :

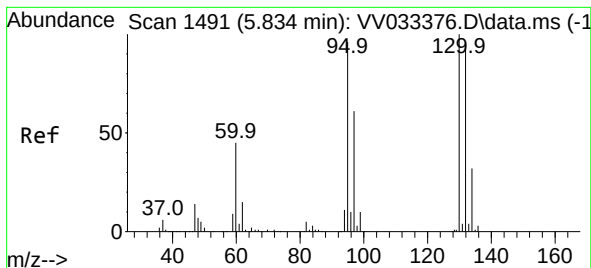
Tgt Ion:117 Resp: 274786
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.6



#33
Benzene
Concen: 108.845 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion: 78 Resp: 690261





#34

Trichloroethene

Concen: 97.116 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 180442

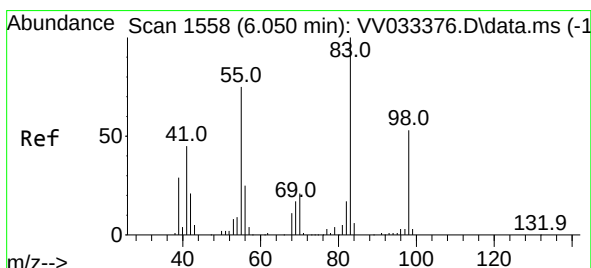
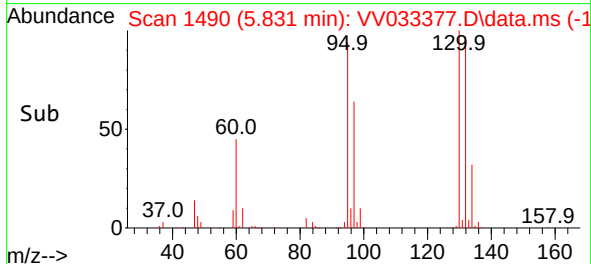
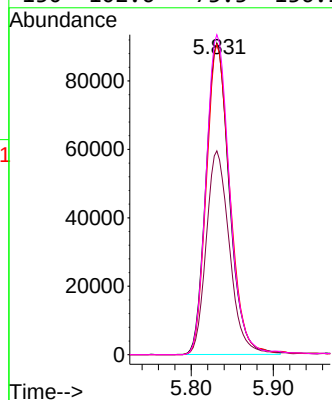
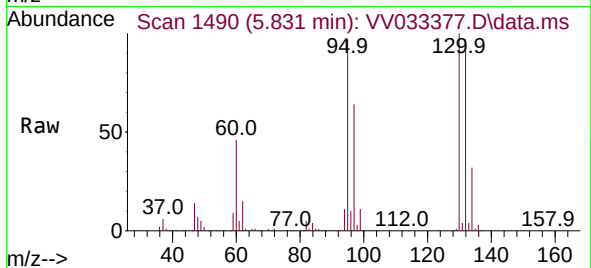
Ion Ratio Lower Upper

95 100

97 65.4 44.8 83.2

132 99.6 69.9 129.7

130 102.6 73.3 136.1



#35

Methylcyclohexane

Concen: 102.781 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

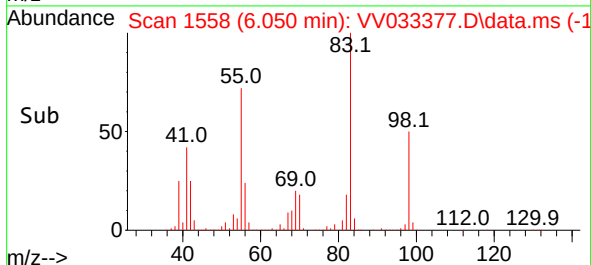
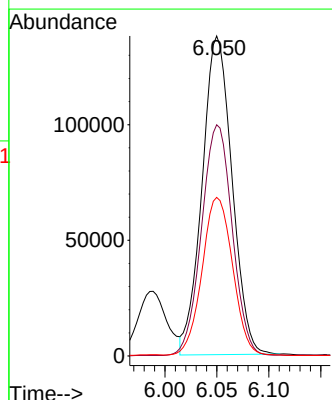
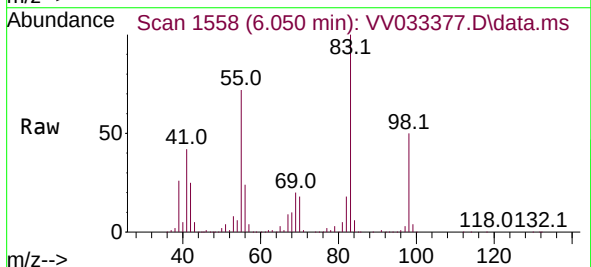
Tgt Ion: 83 Resp: 275908

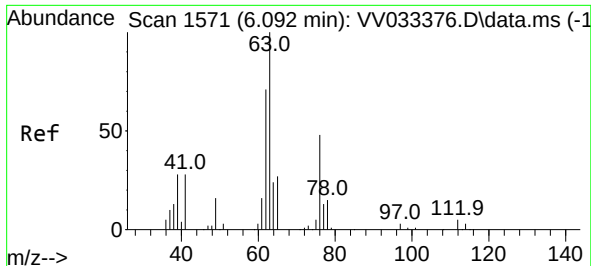
Ion Ratio Lower Upper

83 100

55 74.3 58.6 88.0

98 51.1 40.9 61.3





#37

1,2-Dichloropropane

Concen: 120.665 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

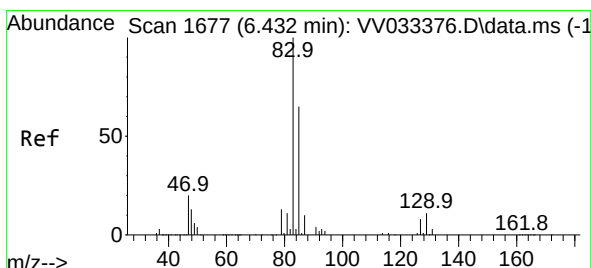
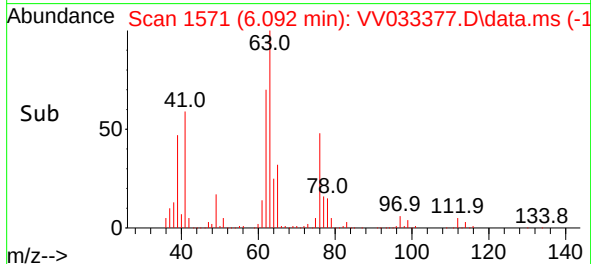
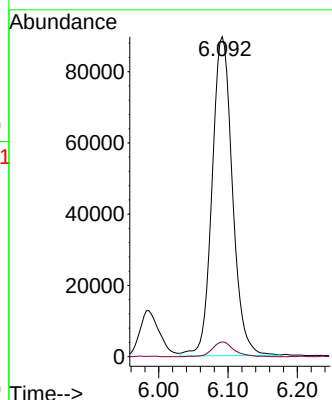
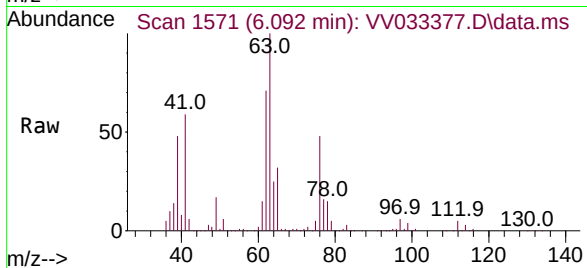
ClientSampleId :

Tgt Ion: 63 Resp: 182855

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



#38

Bromodichloromethane

Concen: 108.287 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

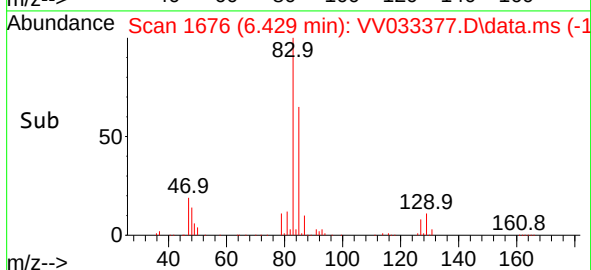
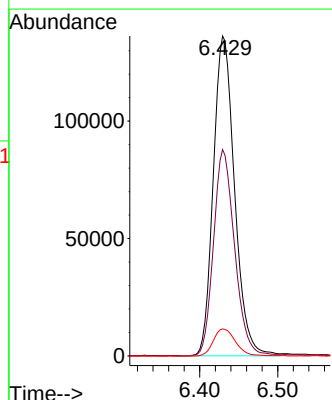
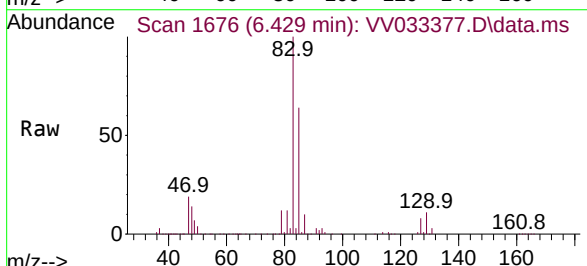
Tgt Ion: 83 Resp: 257811

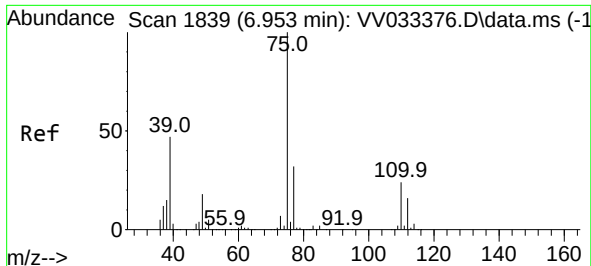
Ion Ratio Lower Upper

83 100

85 64.5 45.2 84.0

127 8.4 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 107.418 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

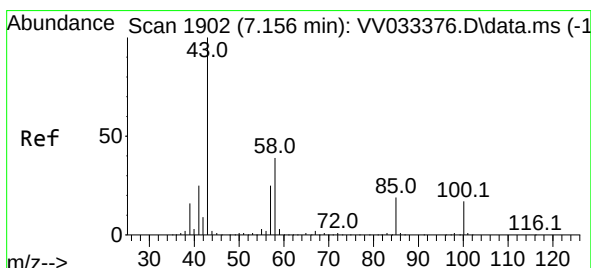
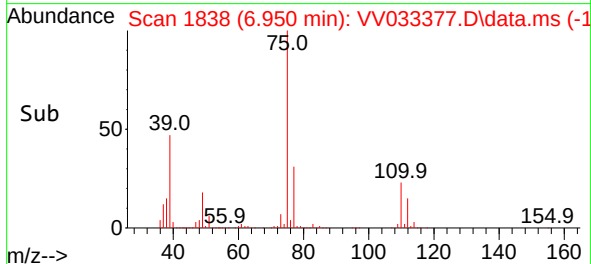
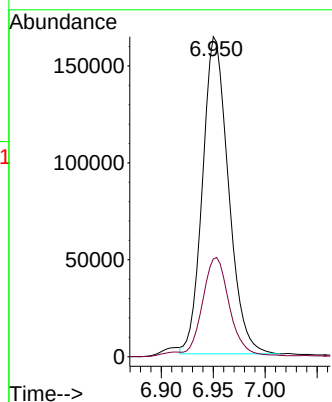
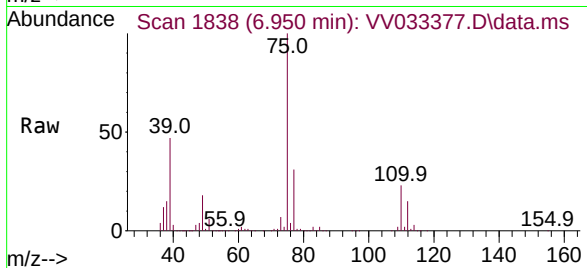
ClientSampleId :

Tgt Ion: 75 Resp: 284507

Ion Ratio Lower Upper

75 100

77 30.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 272.058 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

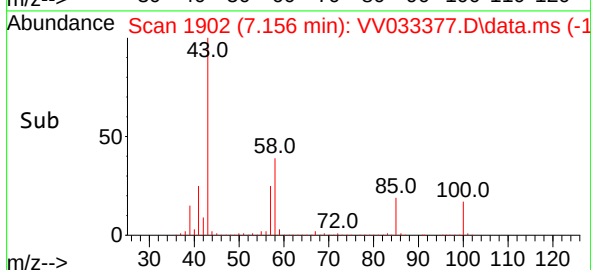
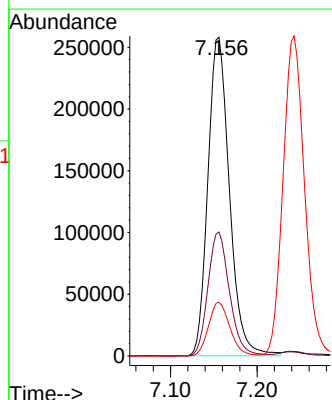
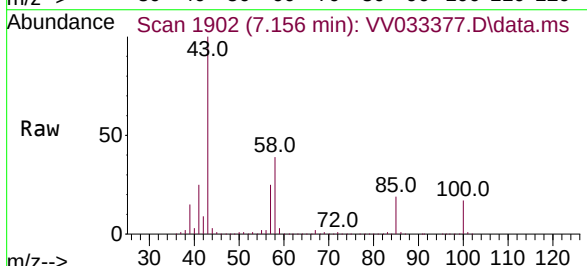
Tgt Ion: 43 Resp: 445765

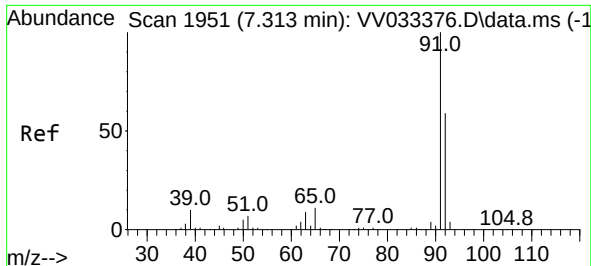
Ion Ratio Lower Upper

43 100

58 38.9 30.7 46.1

100 16.8 13.6 20.4





#42

Toluene

Concen: 106.429 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

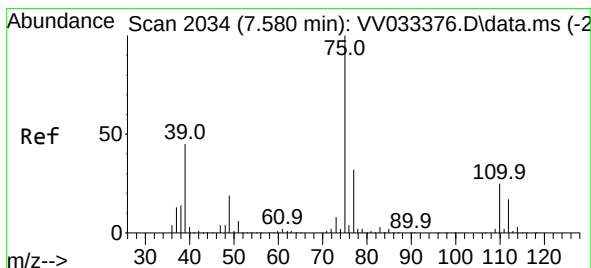
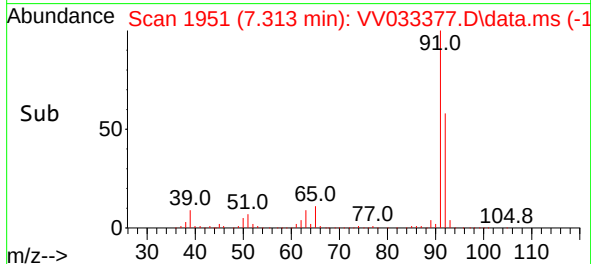
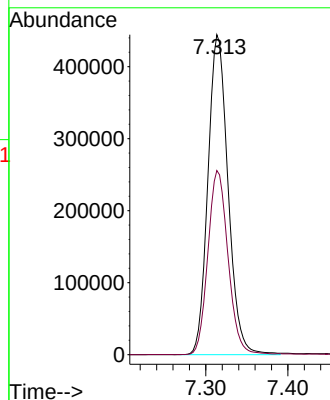
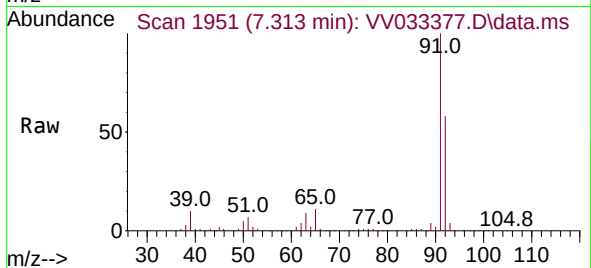
ClientSampleId :

Tgt Ion: 91 Resp: 756859

Ion Ratio Lower Upper

91 100

92 57.5 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 110.637 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV033377.D

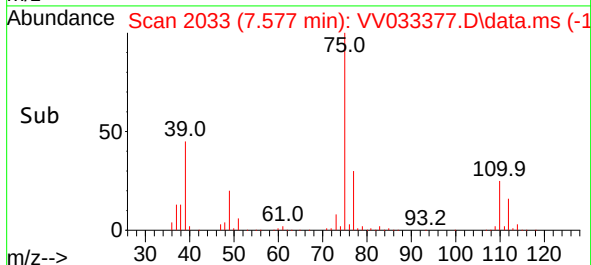
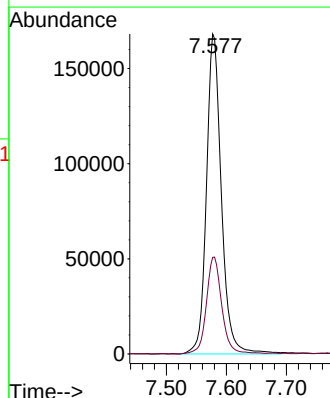
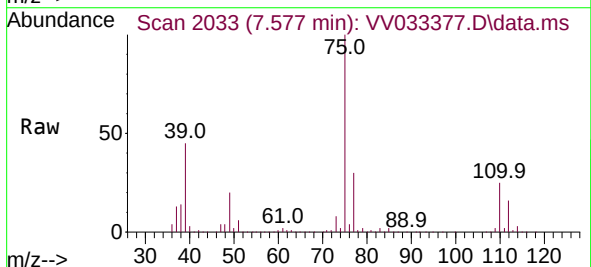
Acq: 15 Dec 2023 14:37

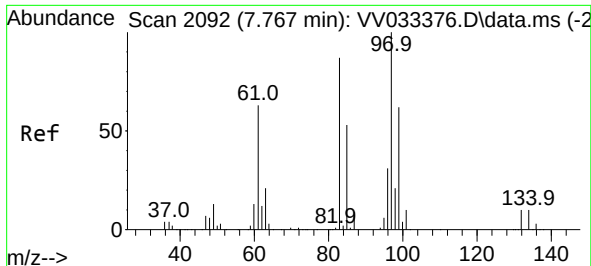
Tgt Ion: 75 Resp: 291484

Ion Ratio Lower Upper

75 100

77 30.2 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 109.479 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 189038

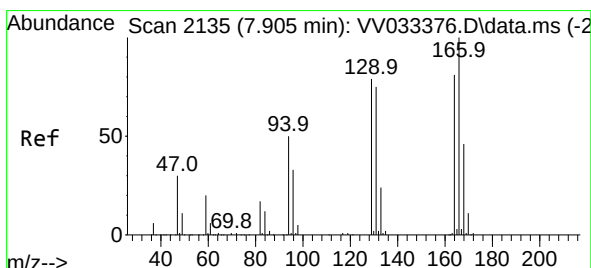
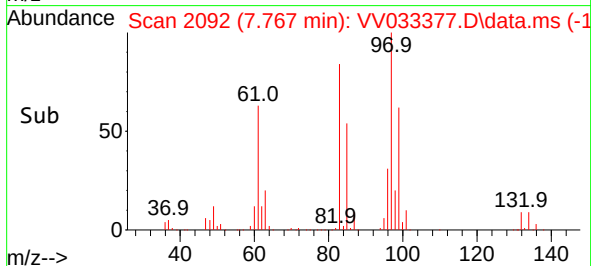
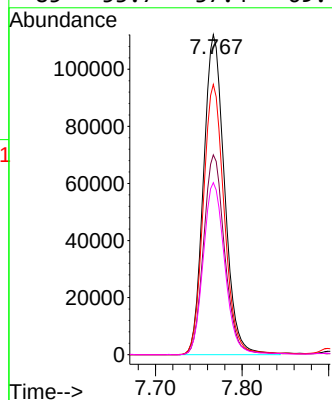
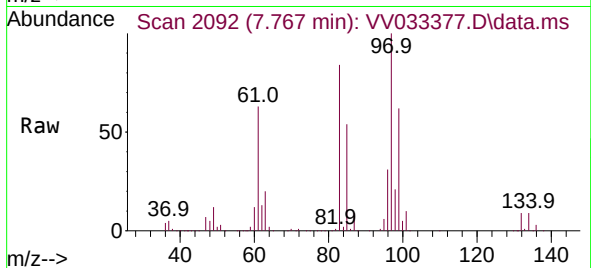
Ion Ratio Lower Upper

97 100

99 62.4 43.5 80.7

83 84.5 61.0 113.4

85 53.7 37.4 69.4



#46

Tetrachloroethene

Concen: 90.752 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Tgt Ion:164 Resp: 142373

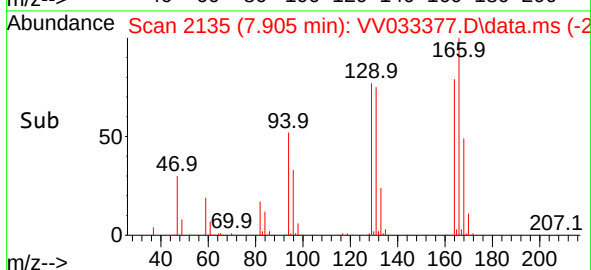
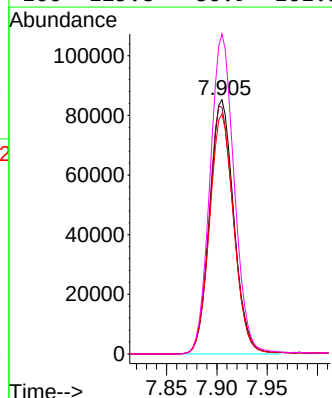
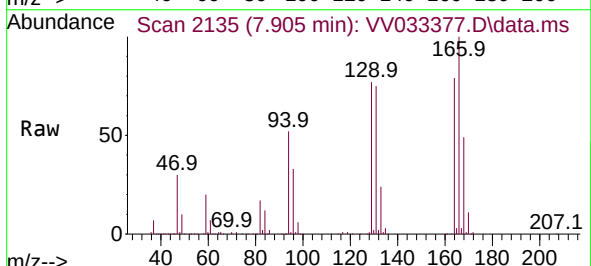
Ion Ratio Lower Upper

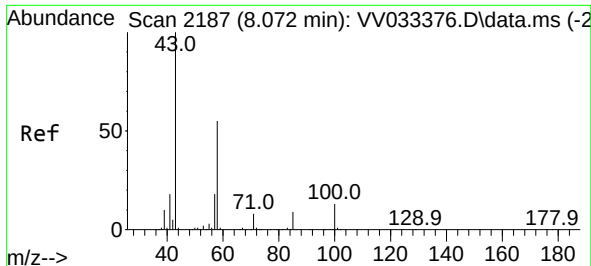
164 100

129 97.0 68.9 127.9

131 94.3 65.3 121.3

166 125.8 86.9 161.3

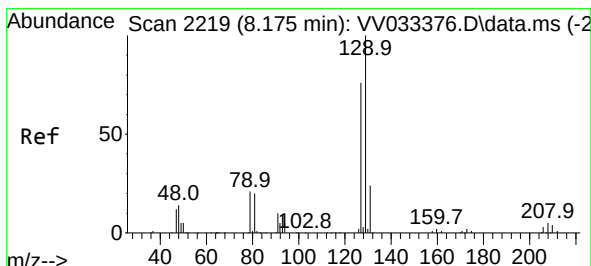
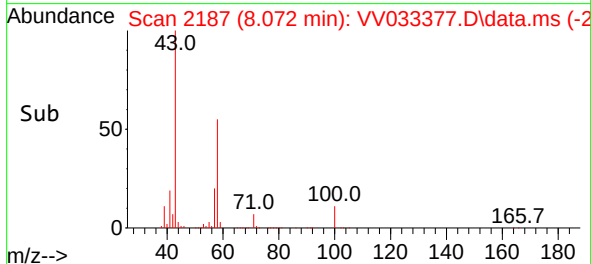
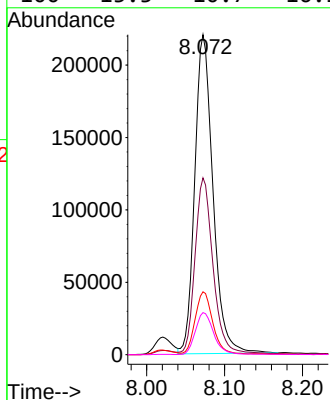
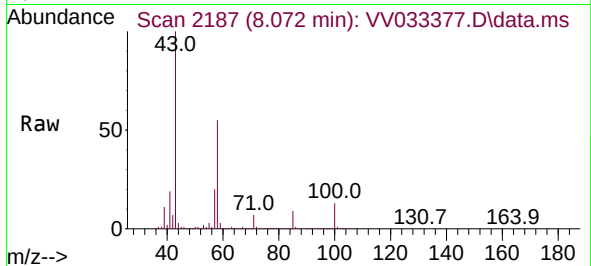




#48
2-Hexanone
Concen: 265.816 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

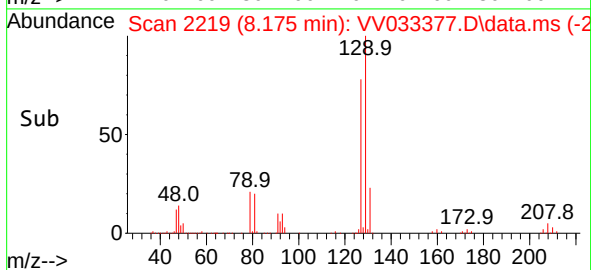
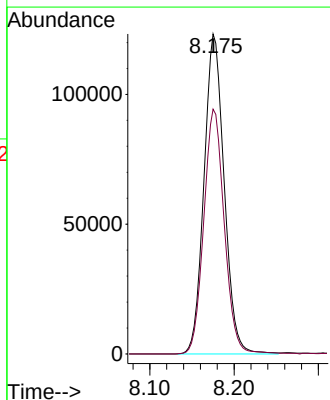
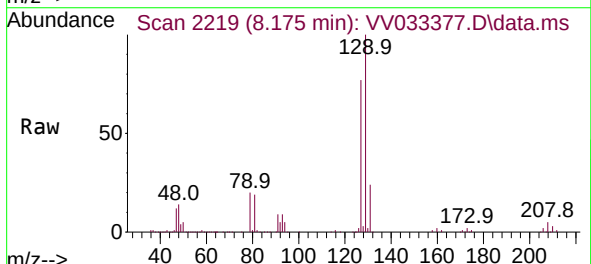
Instrument :
MSVOA_V
ClientSampleId :

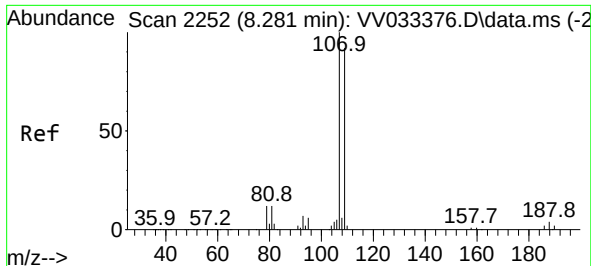
Tgt Ion: 43 Resp: 358523
Ion Ratio Lower Upper
43 100
58 54.2 43.0 64.6
57 18.8 14.7 22.1
100 13.3 10.7 16.1



#49
Dibromochloromethane
Concen: 102.760 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion: 129 Resp: 205673
Ion Ratio Lower Upper
129 100
127 76.5 53.3 98.9





#50

1,2-Dibromoethane

Concen: 108.435 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

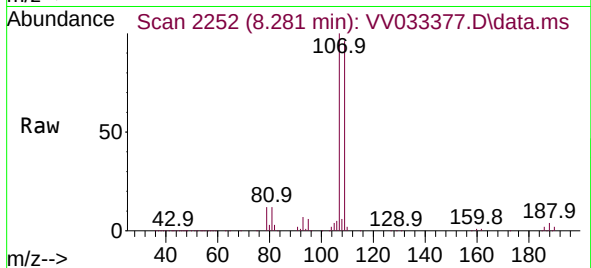
Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

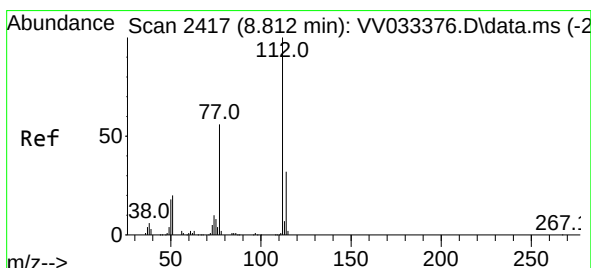
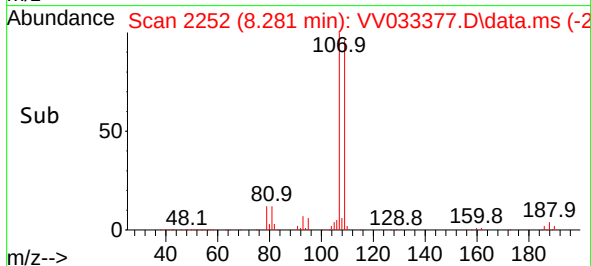
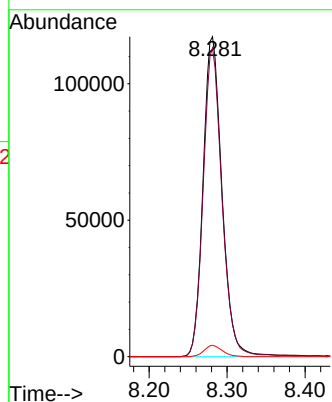
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	107	Resp:	198104
Ion	Ratio	Lower	Upper
107	100		
109	96.4	64.2	119.2
188	3.5	2.9	4.3



#51

Chlorobenzene

Concen: 101.165 ug/L

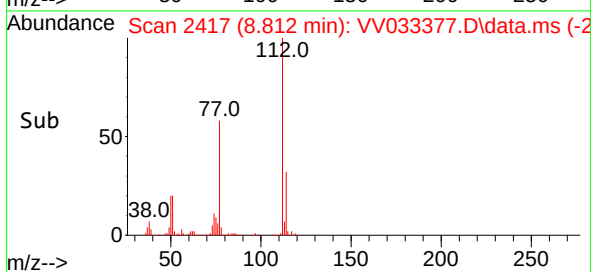
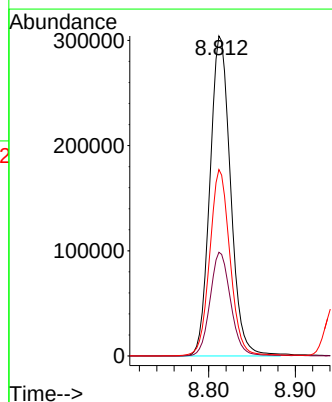
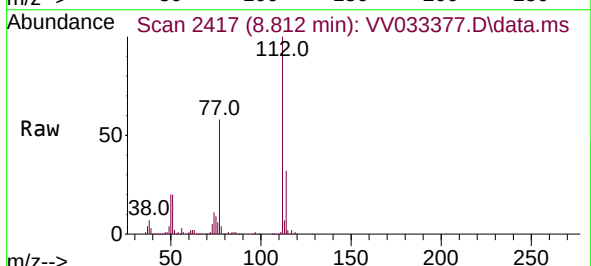
RT: 8.812 min Scan# 2417

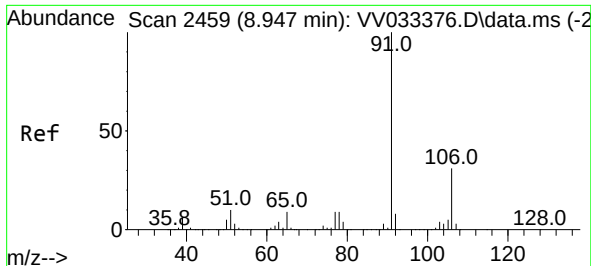
Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Tgt Ion:	112	Resp:	502938
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.7
77	58.2	45.2	67.8

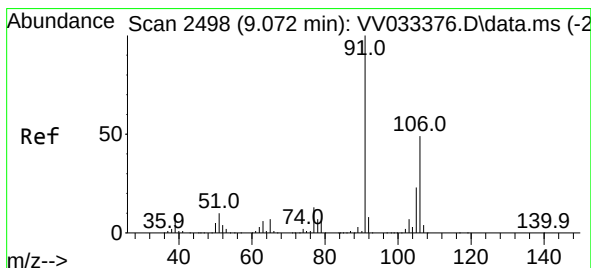
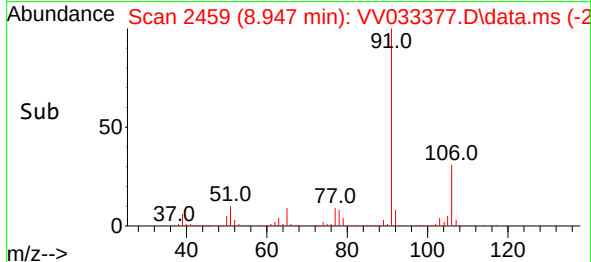
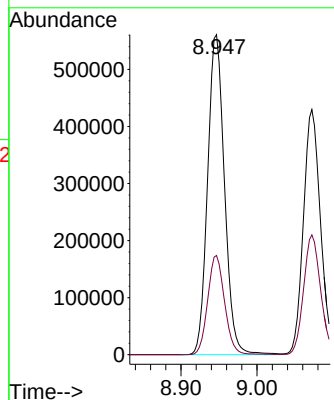
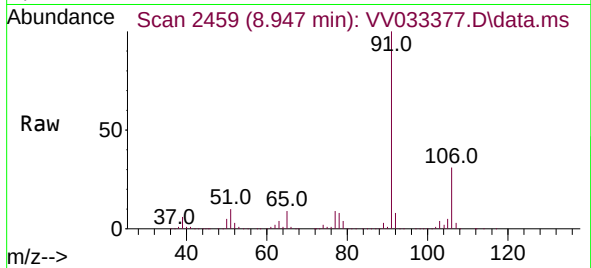




#52
Ethylbenzene
Concen: 107.066 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

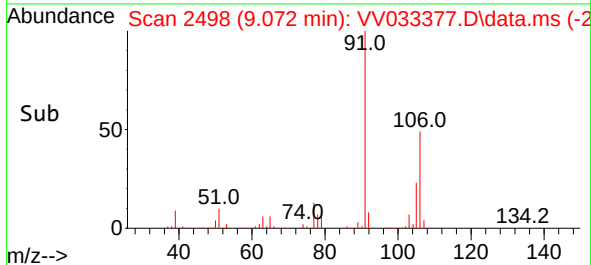
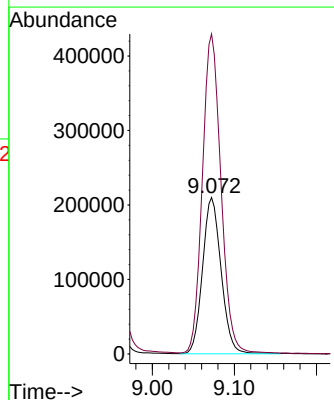
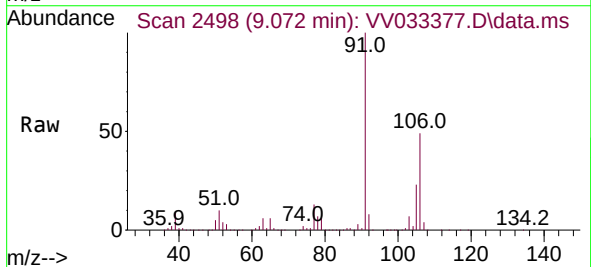
Instrument :
MSVOA_V
ClientSampleId :

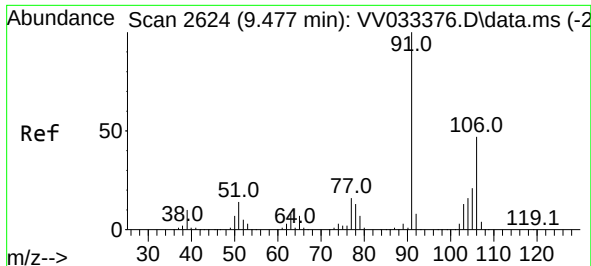
Tgt Ion: 91 Resp: 866472
Ion Ratio Lower Upper
91 100
106 31.0 21.6 40.2



#53
m,p-Xylene
Concen: 103.541 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion: 106 Resp: 330187
Ion Ratio Lower Upper
106 100
91 204.4 143.0 265.6

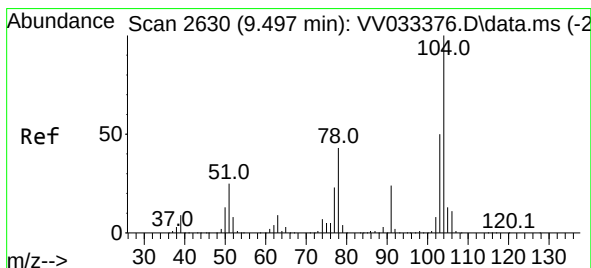
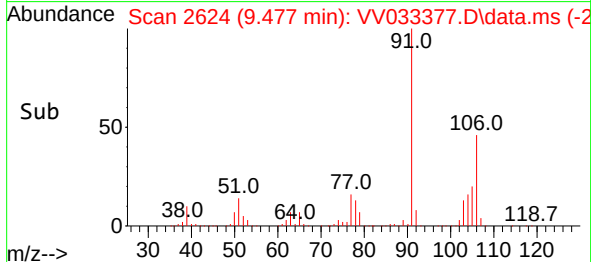
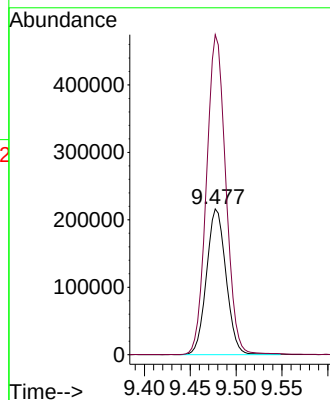
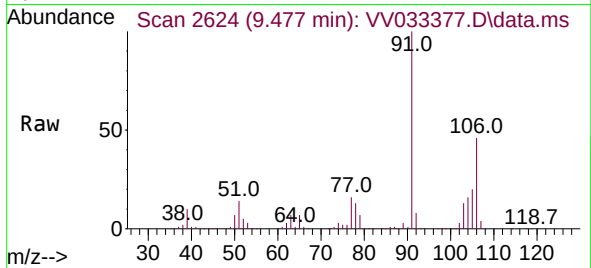




#54
o-Xylene
Concen: 102.639 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

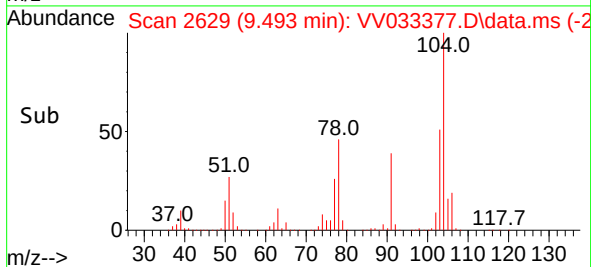
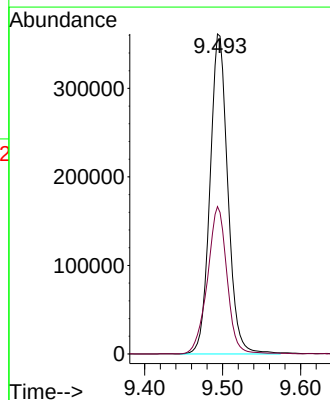
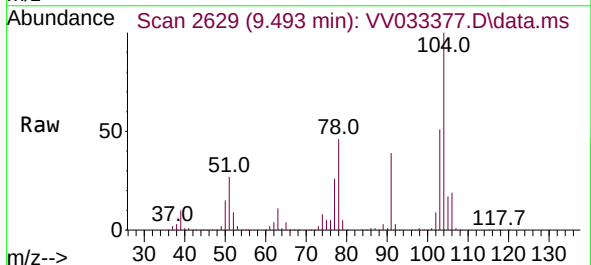
Instrument :
MSVOA_V
ClientSampleId :

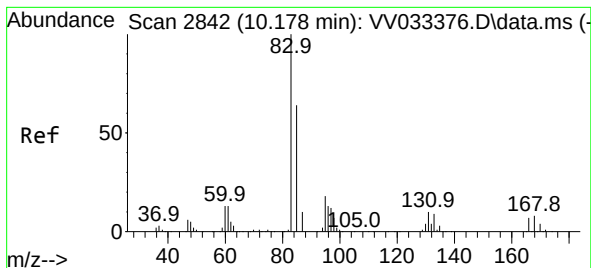
Tgt Ion:106 Resp: 320807
Ion Ratio Lower Upper
106 100
91 219.4 149.7 278.1



#55
Styrene
Concen: 105.338 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.003 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion:104 Resp: 574861
Ion Ratio Lower Upper
104 100
78 46.0 30.2 56.2

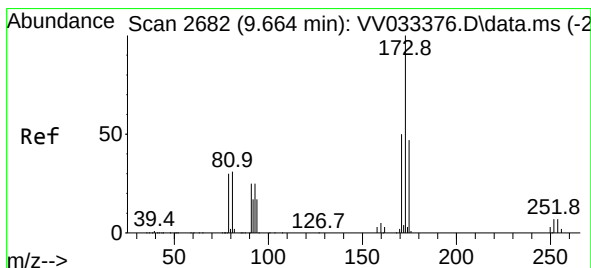
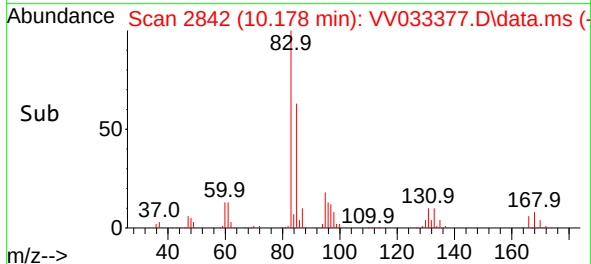
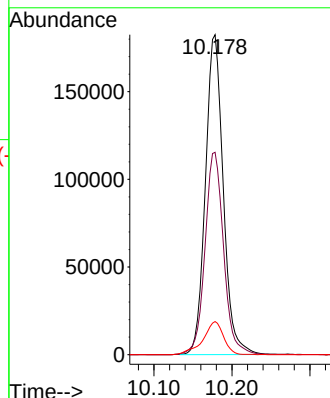
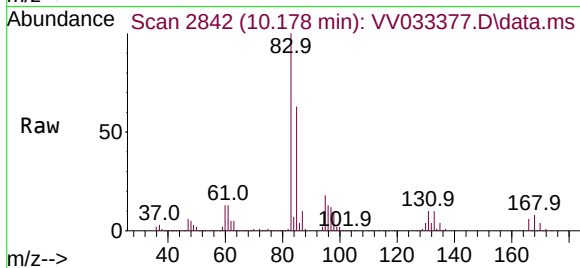




#57
1,1,2,2-Tetrachloroethane
Concen: 119.241 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

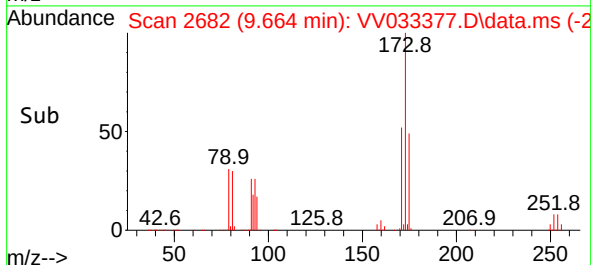
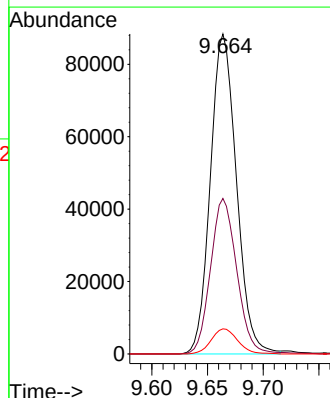
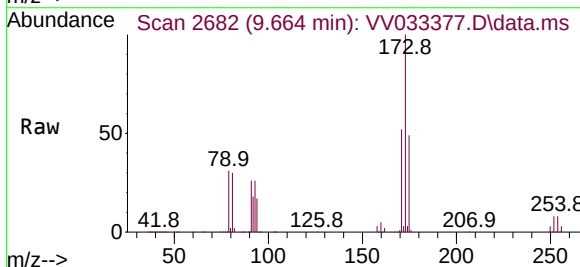
Instrument :
MSVOA_V
ClientSampleId :

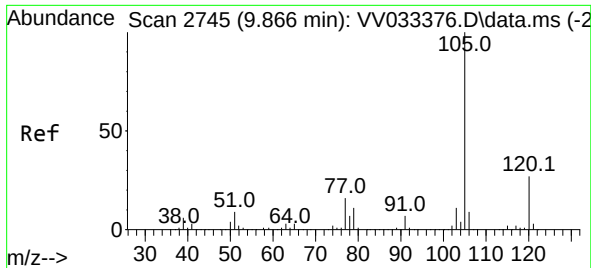
Tgt Ion: 83 Resp: 290316
Ion Ratio Lower Upper
83 100
85 63.2 44.8 83.2
131 10.3 8.6 12.8



#59
Bromoform
Concen: 95.482 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion: 173 Resp: 144039
Ion Ratio Lower Upper
173 100
175 49.1 38.8 58.2
254 8.0 5.8 8.8

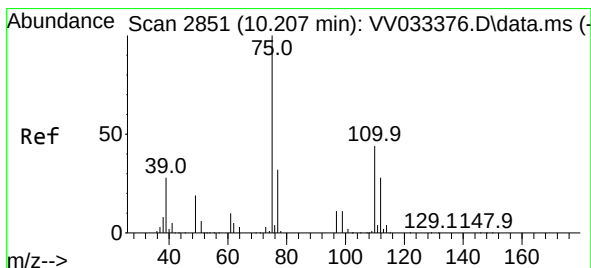
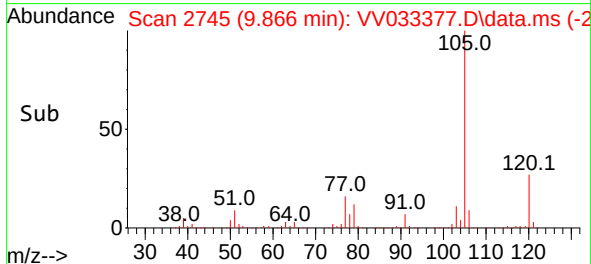
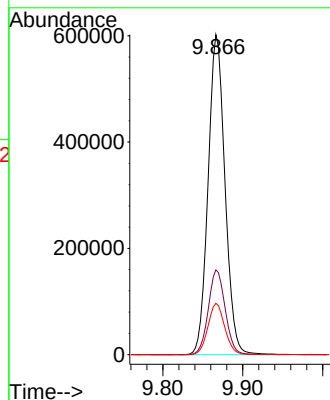
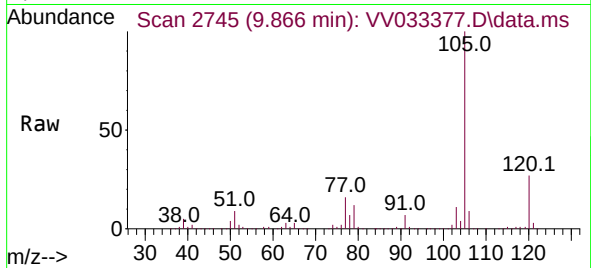




#60
Isopropylbenzene
Concen: 108.659 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

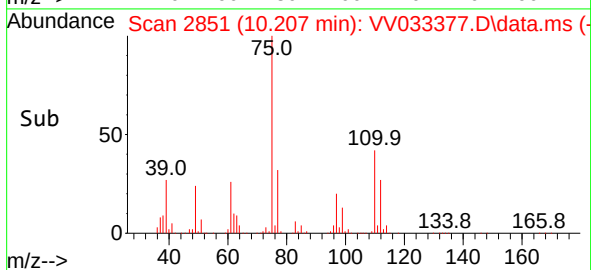
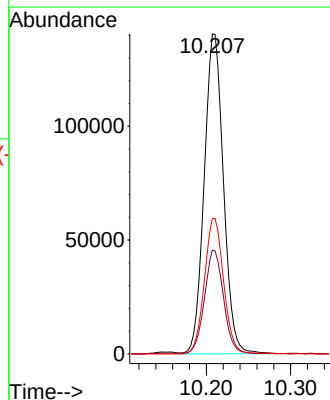
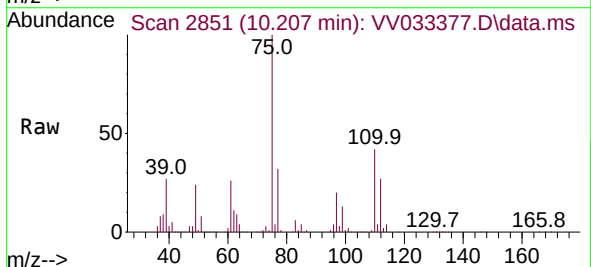
Instrument :
MSVOA_V
ClientSampleId :

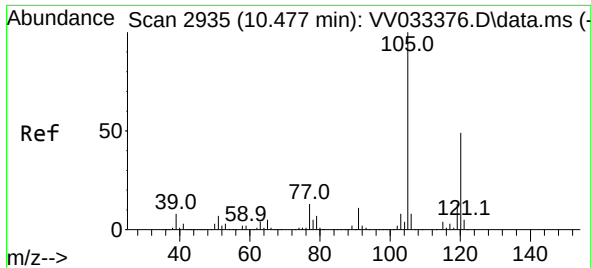
Tgt Ion:105 Resp: 885377
Ion Ratio Lower Upper
105 100
120 26.5 21.2 31.8
77 16.0 12.5 18.7



#61
1,2,3-Trichloropropane
Concen: 118.845 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

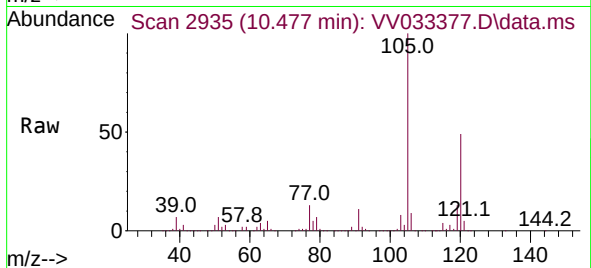
Tgt Ion: 75 Resp: 223363
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
110 42.4 33.9 50.9



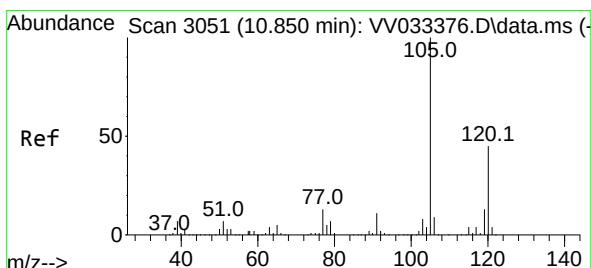
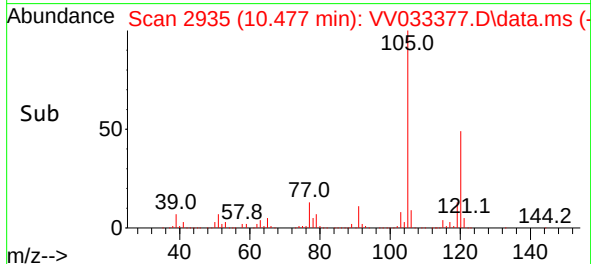
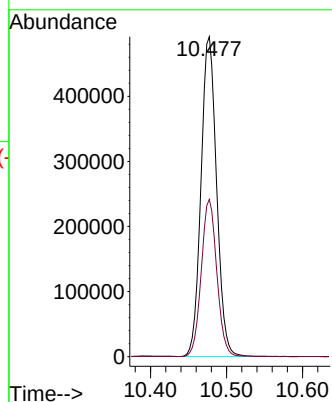


#62
 1,3,5-Trimethylbenzene
 Concen: 107.941 ug/L
 RT: 10.477 min Scan# 2935
 Delta R.T. -0.000 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

Instrument :
 MSVOA_V
 ClientSampleId :

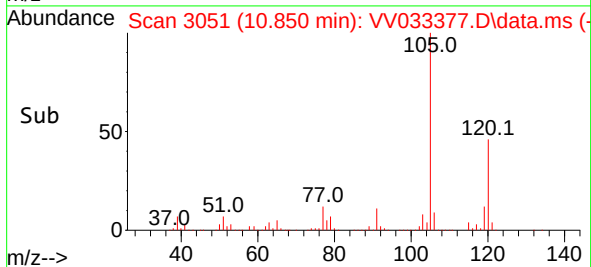
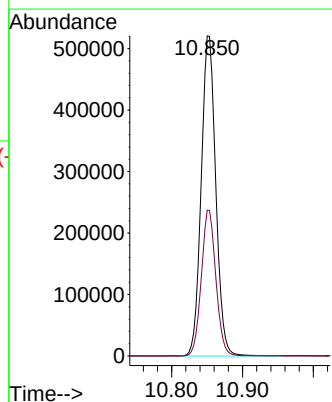
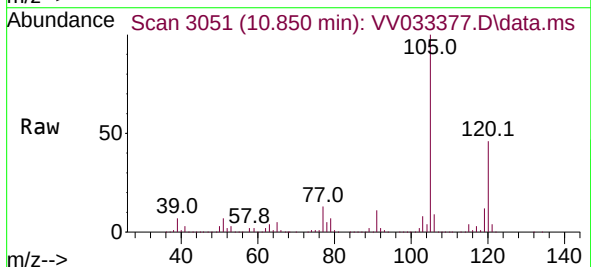


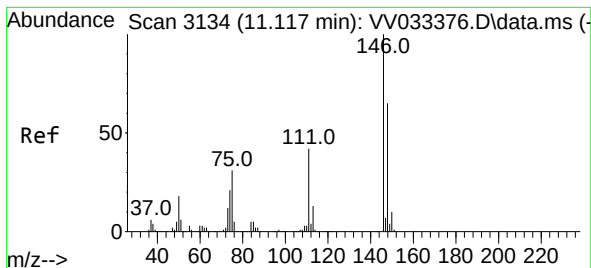
Tgt Ion:105 Resp: 699491
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 109.613 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. -0.000 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

Tgt Ion:105 Resp: 741901
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 98.736 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

Instrument :

MSVOA_V

ClientSampleId :

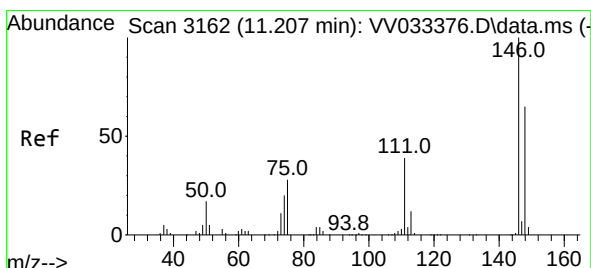
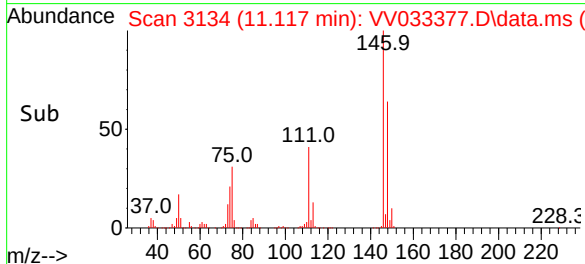
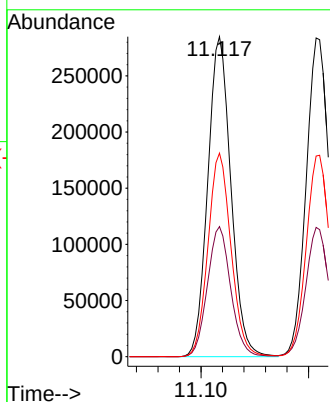
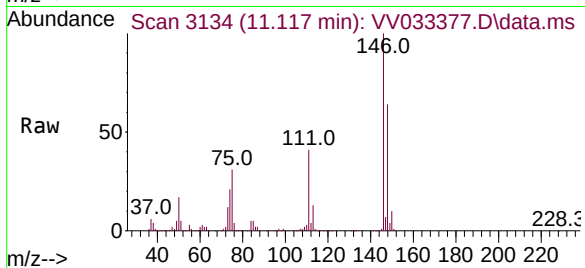
Tgt Ion:146 Resp: 425859

Ion Ratio Lower Upper

146 100

111 40.7 29.3 54.5

148 63.6 45.4 84.4



#65

1,4-Dichlorobenzene

Concen: 96.491 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV033377.D

Acq: 15 Dec 2023 14:37

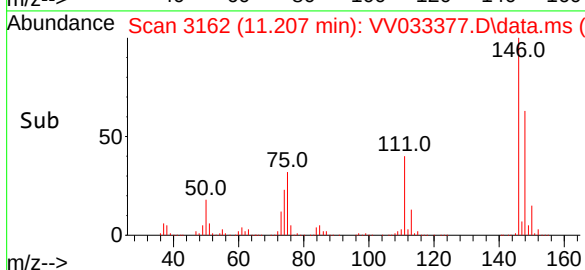
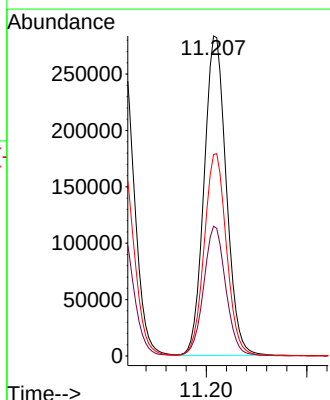
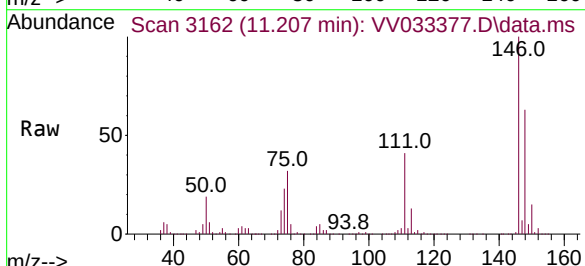
Tgt Ion:146 Resp: 434294

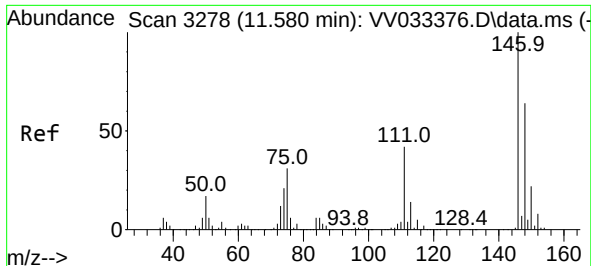
Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.7

148 63.0 45.5 84.5

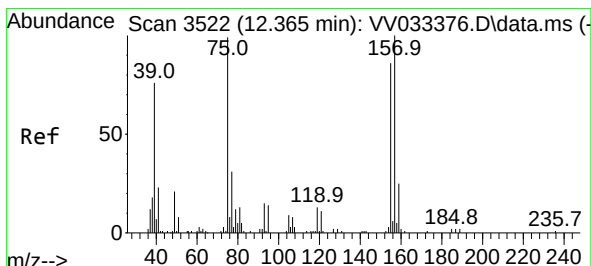
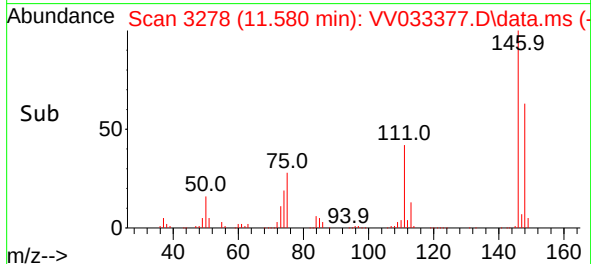
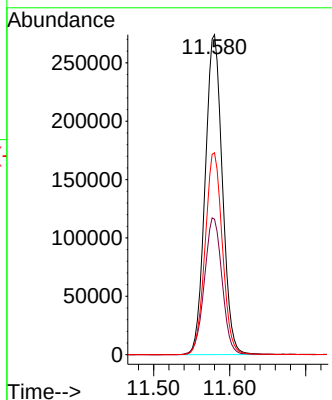
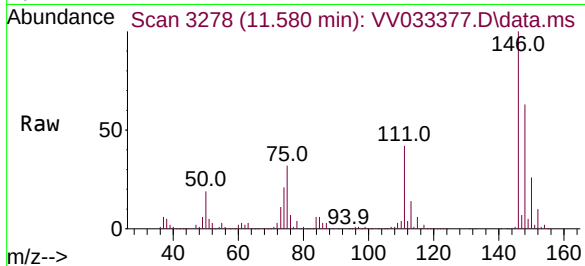




#67
1,2-Dichlorobenzene
Concen: 100.683 ug/L
RT: 11.580 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

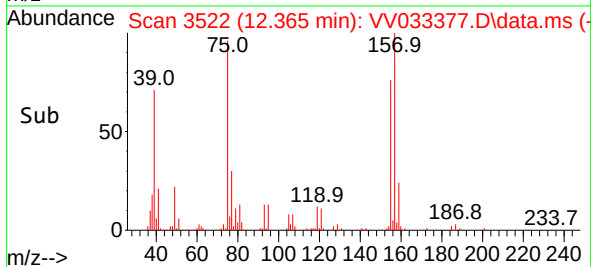
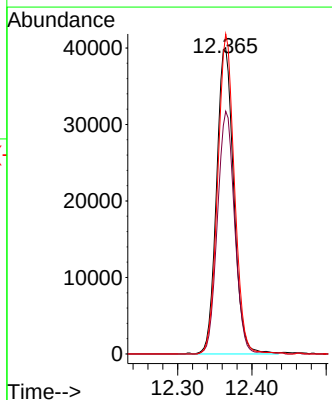
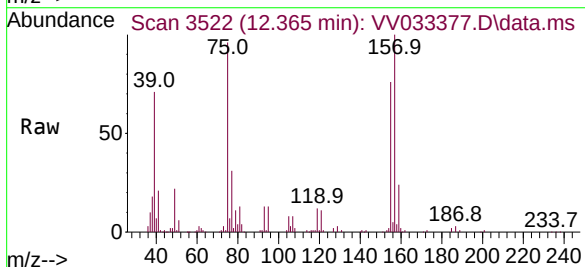
Instrument :
MSVOA_V
ClientSampleId :

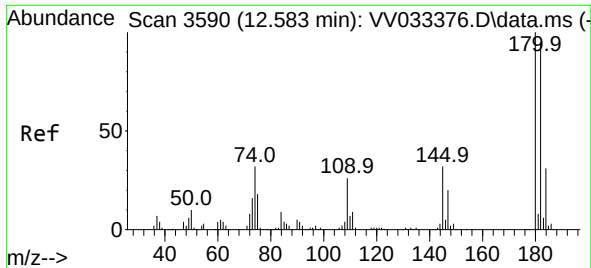
Tgt Ion:146 Resp: 429950
Ion Ratio Lower Upper
146 100
111 42.4 33.5 50.3
148 63.1 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 116.048 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

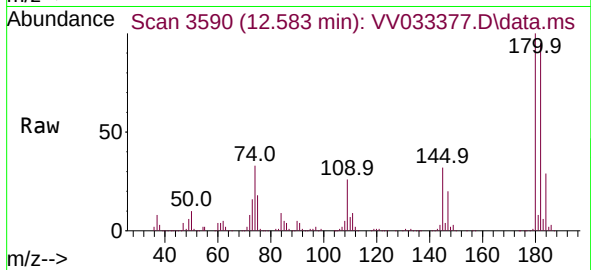
Tgt Ion: 75 Resp: 64623
Ion Ratio Lower Upper
75 100
155 79.2 69.4 104.0
157 104.5 81.1 121.7



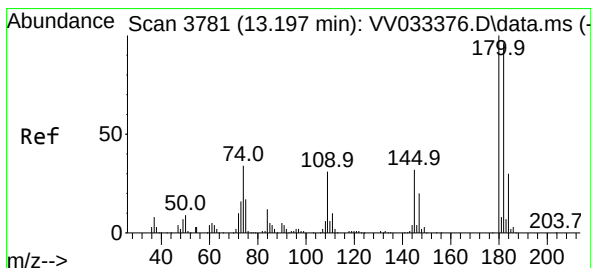
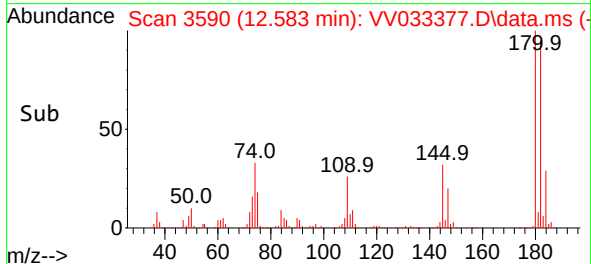
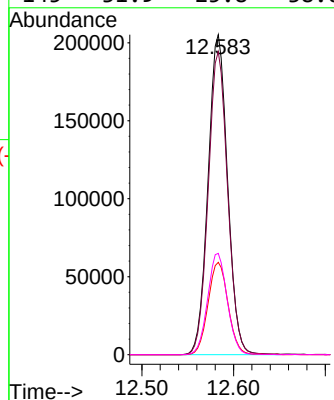


#69
 1,3,5-Trichlorobenzene
 Concen: 90.280 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. -0.000 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

Instrument :
 MSVOA_V
 ClientSampleId :

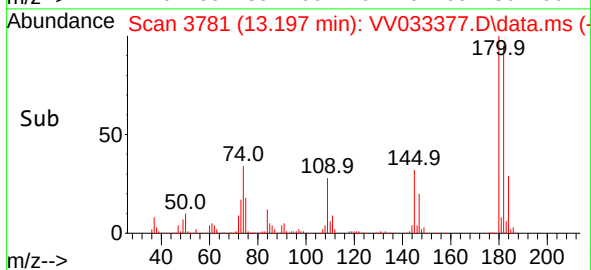
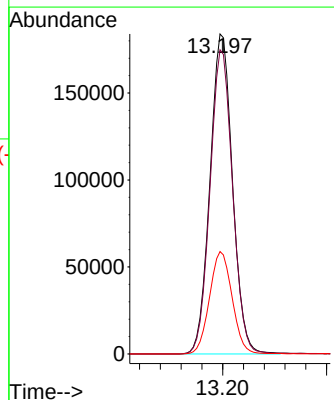
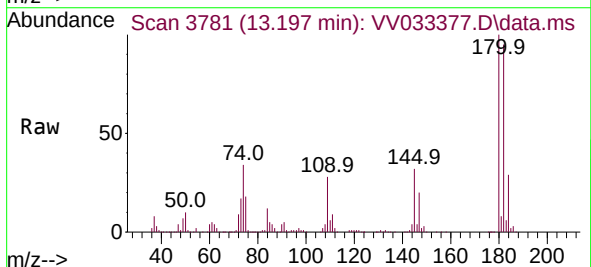


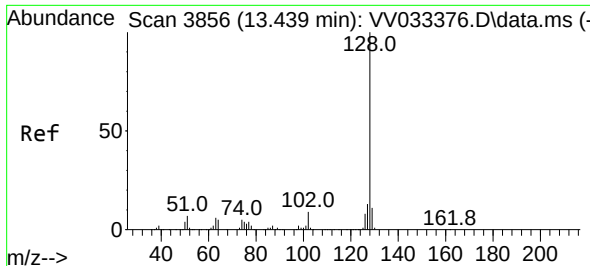
Tgt Ion:180 Resp: 303104
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.2 114.4
 184 29.6 24.4 36.6
 145 31.9 25.8 38.6



#70
 1,2,4-trichlorobenzene
 Concen: 90.440 ug/L
 RT: 13.197 min Scan# 3781
 Delta R.T. -0.000 min
 Lab File: VV033377.D
 Acq: 15 Dec 2023 14:37

Tgt Ion:180 Resp: 276223
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.1 114.1
 145 32.1 25.6 38.4

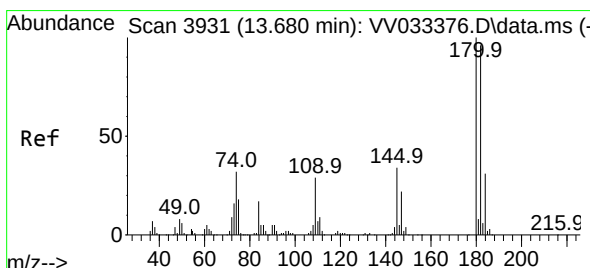
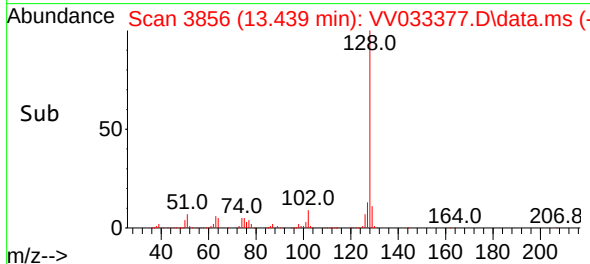
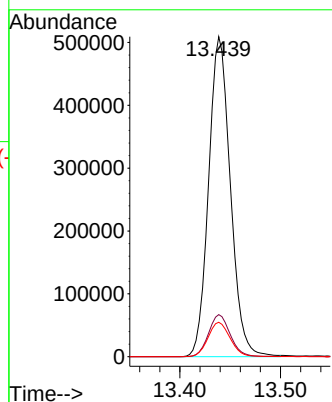
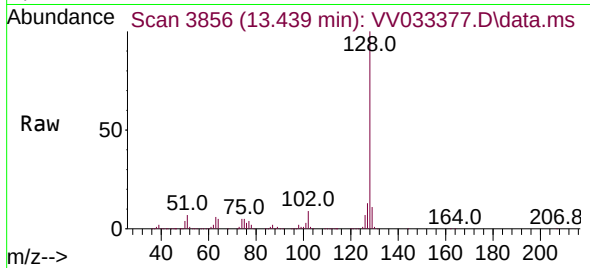




#71
Naphthalene
Concen: 101.330 ug/L
RT: 13.439 min Scan# 3856
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 766191
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 92.386 ug/L
RT: 13.680 min Scan# 3931
Delta R.T. -0.000 min
Lab File: VV033377.D
Acq: 15 Dec 2023 14:37

Tgt Ion:180 Resp: 275010
Ion Ratio Lower Upper
180 100
182 94.3 76.2 114.2
145 34.5 27.1 40.7

