

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033016.D
 Acq On : 20 Nov 2023 11:04
 Operator : SY/MD
 Sample : VSTD200
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 20 23:13:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:11:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	355751	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	366329	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	241017	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	374830	201.518	ug/L	0.00
7) Chloroethane-d5	1.523	69	279970	195.711	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	147460	193.749	ug/L	0.00
21) 2-Butanone-d5	3.773	46	498024	426.627	ug/L	0.00
24) Chloroform-d	4.246	84	889571	194.061	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	559578	195.694	ug/L	0.00
32) Benzene-d6	4.960	84	1650405	193.463	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	471208	194.788	ug/L	0.00
41) Toluene-d8	7.243	98	1619220	198.832	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	293830	208.057	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	462312	467.408	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	763489	207.339	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	852054	198.248	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	716968	186.544	ug/L	98
3) Chloromethane	1.214	50	535856	186.822	ug/L	98
5) Vinyl chloride	1.282	62	513560	193.016	ug/L	99
6) Bromomethane	1.468	94	355927	202.441	ug/L	98
8) Chloroethane	1.539	64	272372	185.078	ug/L	100
9) Trichlorofluoromethane	1.709	101	805215	186.931	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	394296	185.639	ug/L	99
12) 1,1-Dichloroethene	2.066	96	373402	190.401	ug/L	97
13) Acetone	2.108	43	409086	353.295	ug/L	98
14) Carbon disulfide	2.240	76	1206738	185.012	ug/L	99
15) Methyl Acetate	2.365	43	395505	194.833	ug/L	97
16) Methylene chloride	2.446	84	488286	175.740	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	480490	191.444	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	1573422	199.849	ug/L	99
19) 1,1-Dichloroethane	3.108	63	828225	184.735	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	549739	195.355	ug/L	99
22) 2-Butanone	3.854	43	603368	408.040	ug/L	95
23) Bromochloromethane	4.143	128	289534	187.061	ug/L	95
25) Chloroform	4.272	83	939869	186.256	ug/L	100
27) 1,2-Dichloroethane	5.037	62	741464	188.354	ug/L	98
29) Cyclohexane	4.580	56	710267	200.958	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	884746	184.911	ug/L	99
31) Carbon tetrachloride	4.735	117	820614	184.042	ug/L	99
33) Benzene	5.008	78	1909552	187.404	ug/L	100
34) Trichloroethene	5.831	95	538519	187.502	ug/L	98
35) Methylcyclohexane	6.050	83	825226	197.685	ug/L	100
37) 1,2-Dichloropropane	6.092	63	468545	187.341	ug/L	99
38) Bromodichloromethane	6.429	83	722615	185.954	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	892559	207.295	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	1129645	412.927	ug/L	98
42) Toluene	7.313	91	2169618	192.166	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	883418	204.181	ug/L	99

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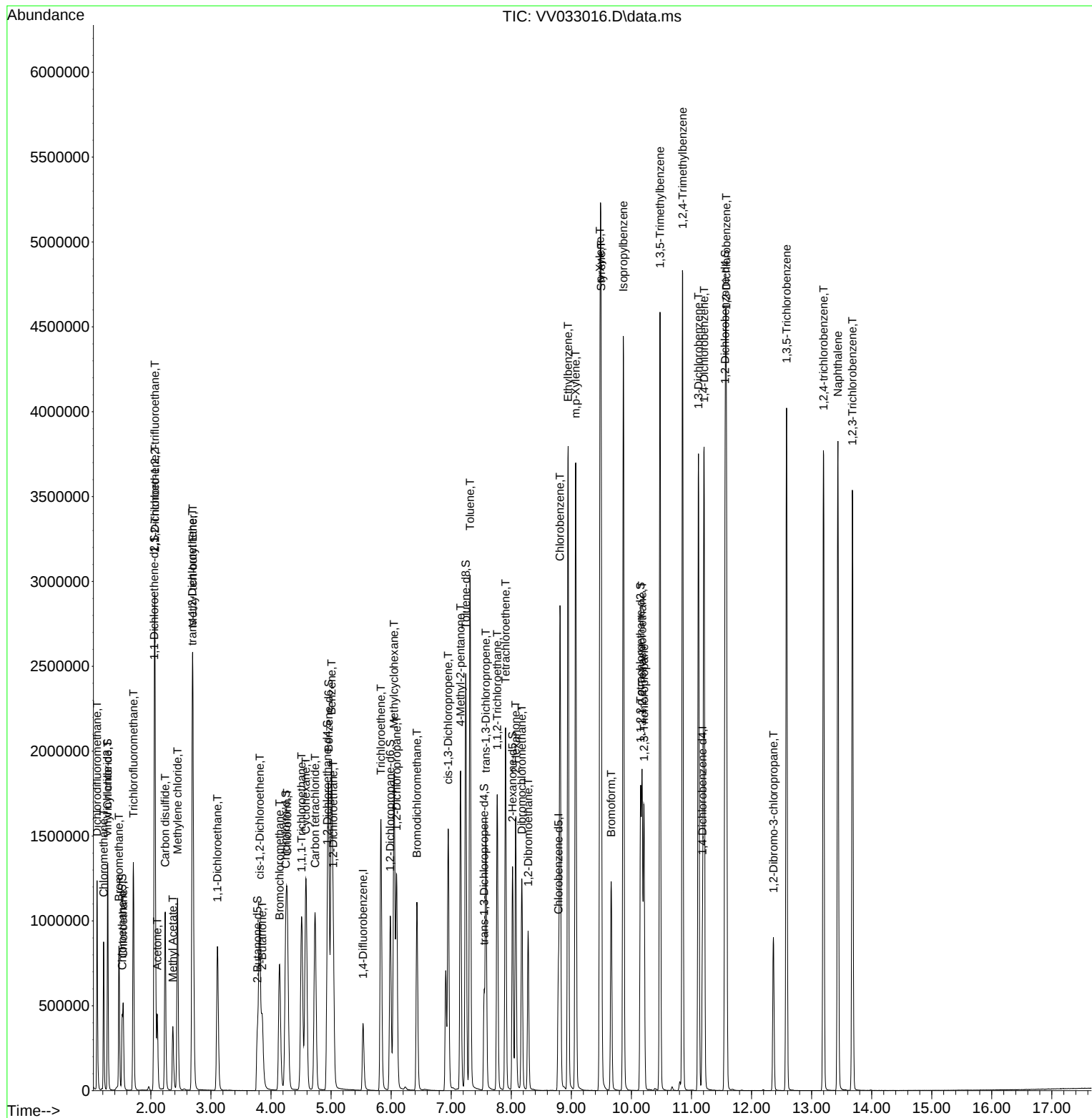
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	523386	185.820	ug/L	98
46) Tetrachloroethene	7.905	164	468815	187.311	ug/L	98
48) 2-Hexanone	8.072	43	927684	428.631	ug/L	100
49) Dibromochloromethane	8.175	129	635572	195.784	ug/L	100
50) 1,2-Dibromoethane	8.281	107	572257	193.990	ug/L	98
51) Chlorobenzene	8.812	112	1526254	190.501	ug/L	99
52) Ethylbenzene	8.947	91	2602216	200.773	ug/L	100
53) m,p-Xylene	9.072	106	1020304	200.362	ug/L	97
54) o-Xylene	9.477	106	1007897	205.617	ug/L	98
55) Styrene	9.497	104	1792943	205.045	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	820266	206.151	ug/L	100
59) Bromoform	9.664	173	538496	191.715	ug/L	100
60) Isopropylbenzene	9.866	105	2816226	192.747	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	636922	183.186	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	2373371	202.461	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	2504157	203.909	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	1483147	189.468	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	1519570	182.623	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	1482451	188.732	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	210723	208.333	ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	1211264	199.028	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	1114517	199.830	ug/L	99
71) Naphthalene	13.439	128	2913835	211.227	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	1054857	195.075	ug/L	100

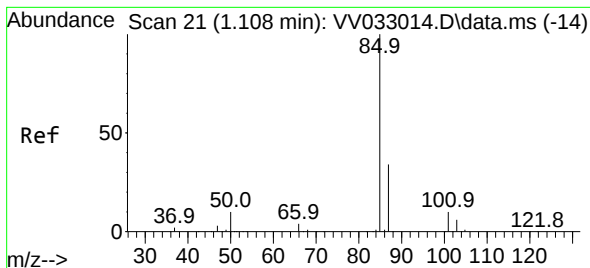
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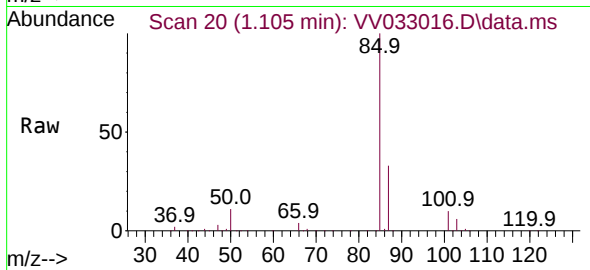
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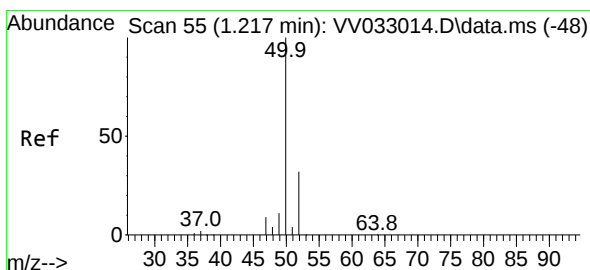
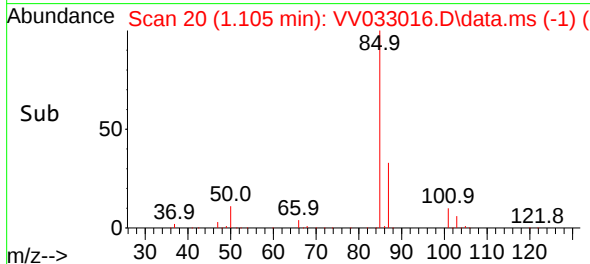
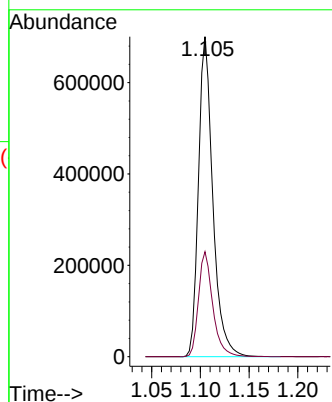


#2
 Dichlorodifluoromethane
 Concen: 186.544 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033016.D
 Acq: 20 Nov 2023 11:04

Instrument :
 MSVOA_V
 ClientSampleId :

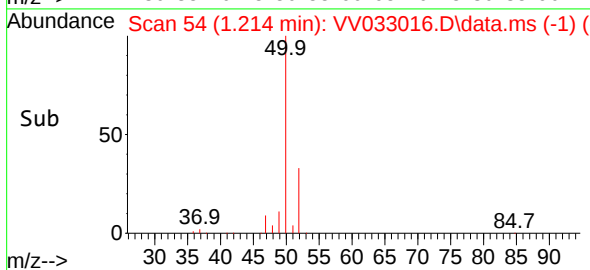
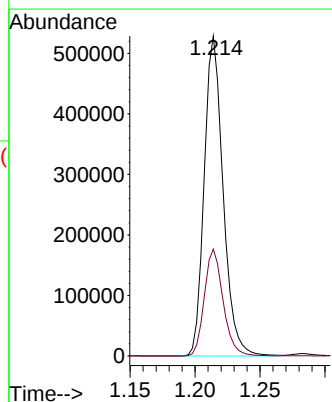
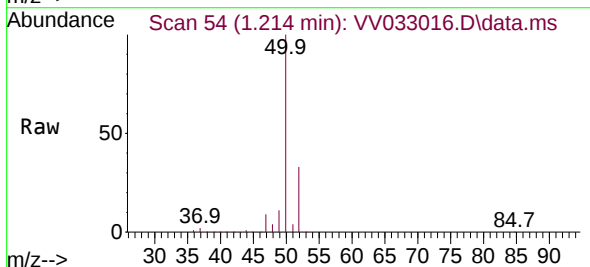


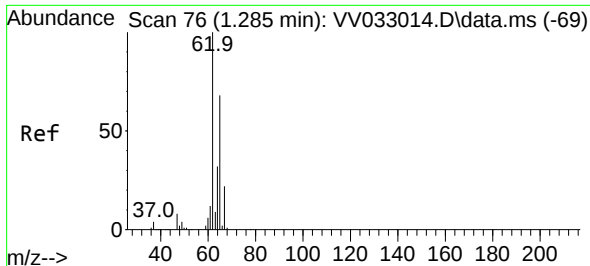
Tgt Ion: 85 Resp: 716968
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.8 40.2



#3
 Chloromethane
 Concen: 186.822 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033016.D
 Acq: 20 Nov 2023 11:04

Tgt Ion: 50 Resp: 535856
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.7 42.3



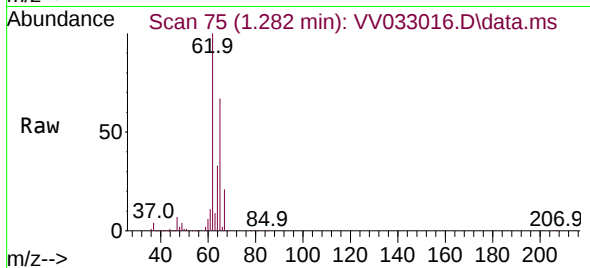


#5
 Vinyl chloride
 Concen: 193.016 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV033016.D
 Acq: 20 Nov 2023 11:04

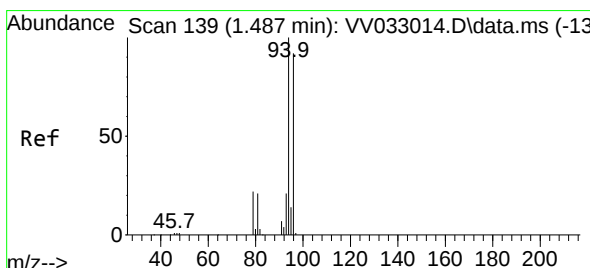
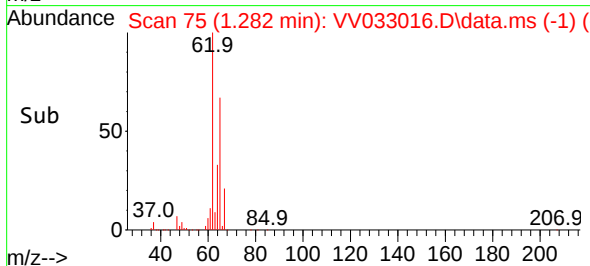
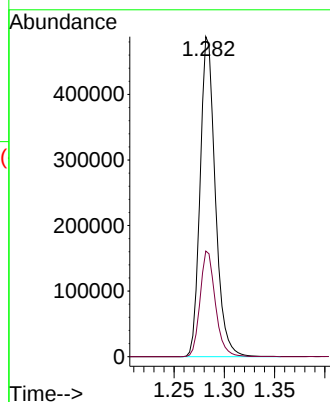
Instrument :

MSVOA_V

ClientSampleId :

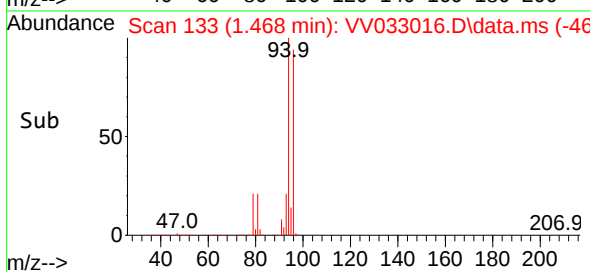
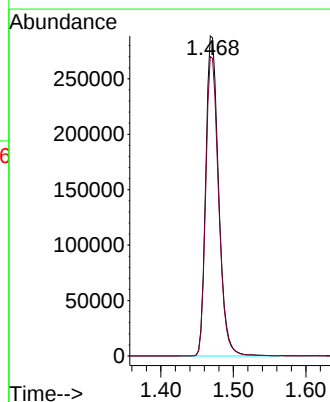
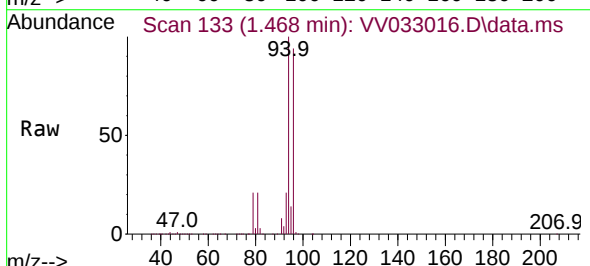


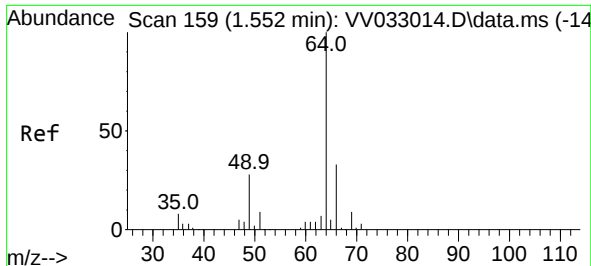
Tgt Ion: 62 Resp: 513560
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.7 42.1



#6
 Bromomethane
 Concen: 202.441 ug/L
 RT: 1.468 min Scan# 133
 Delta R.T. -0.019 min
 Lab File: VV033016.D
 Acq: 20 Nov 2023 11:04

Tgt Ion: 94 Resp: 355927
 Ion Ratio Lower Upper
 94 100
 96 93.5 64.4 119.6

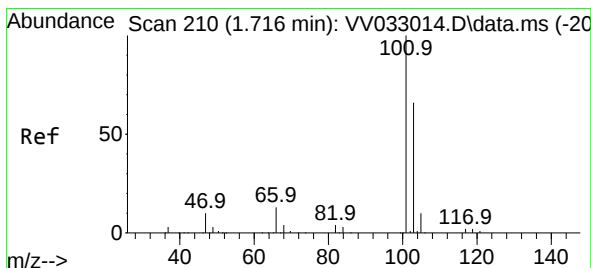
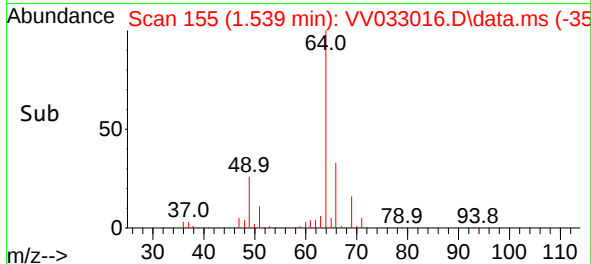
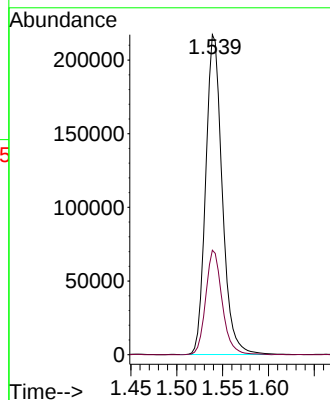
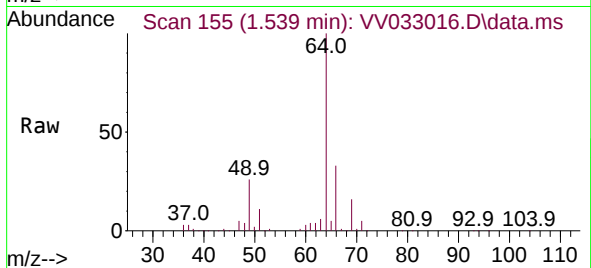




#8
Chloroethane
Concen: 185.078 ug/L
RT: 1.539 min Scan# 11
Delta R.T. -0.013 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

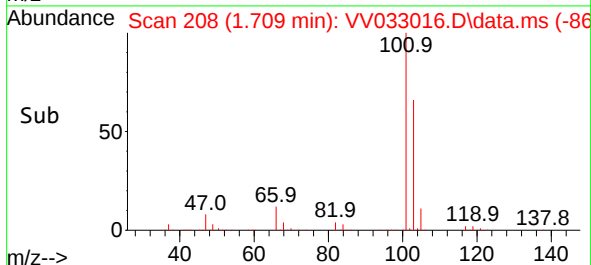
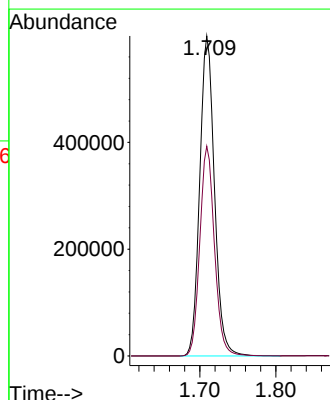
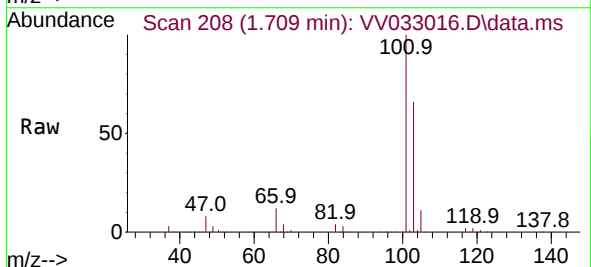
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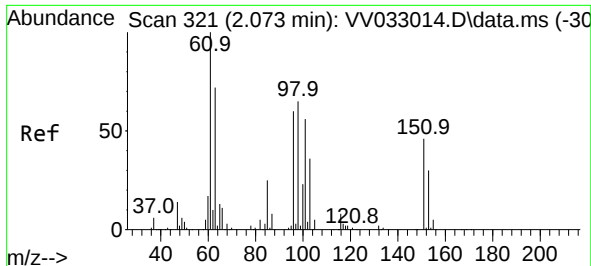
Tgt Ion: 64 Resp: 272372
Ion Ratio Lower Upper
64 100
66 32.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 186.931 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.006 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion:101 Resp: 805215
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

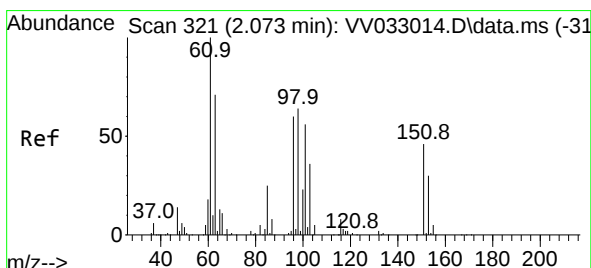
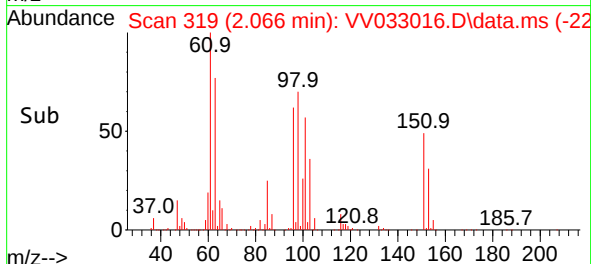
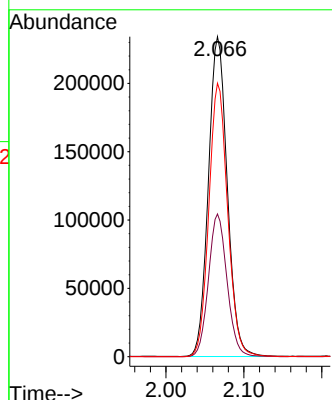
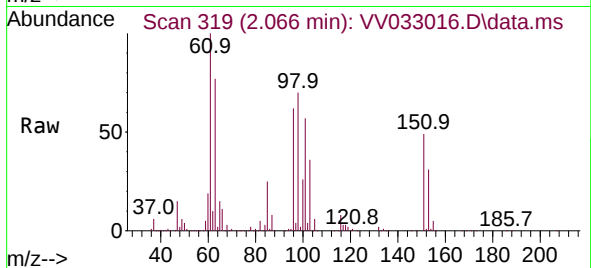




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 185.639 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.006 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

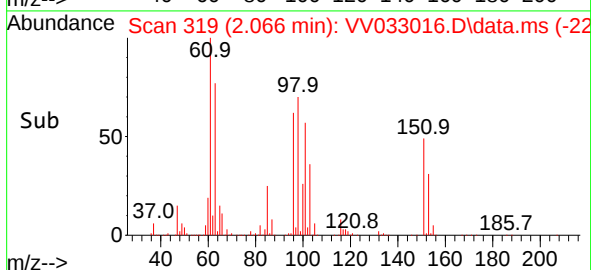
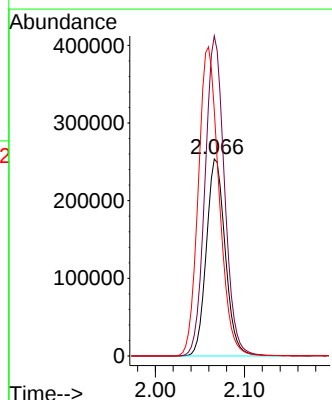
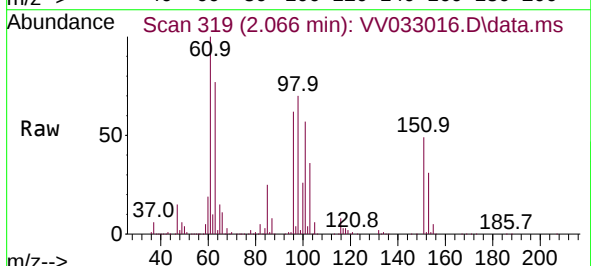
Instrument :
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ClientSampleId :

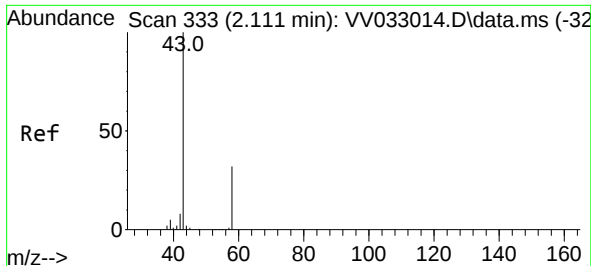
Tgt Ion:101 Resp: 394296
Ion Ratio Lower Upper
101 100
85 43.9 35.5 53.3
151 85.2 67.0 100.4



#12
1,1-Dichloroethene
Concen: 190.401 ug/L
RT: 2.066 min Scan# 319
Delta R.T. -0.006 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion: 96 Resp: 373402
Ion Ratio Lower Upper
96 100
61 162.5 116.6 216.6
63 124.9 84.8 157.4





#13

Acetone

Concen: 353.295 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

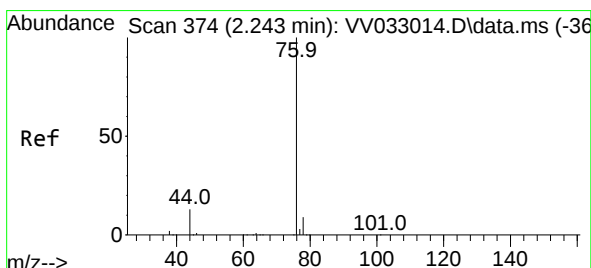
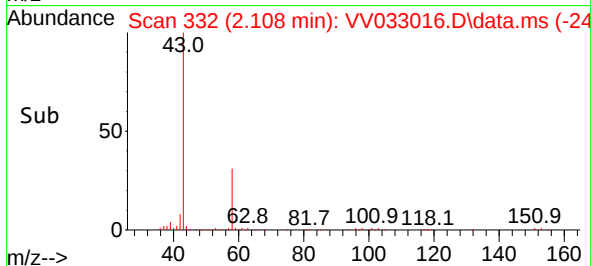
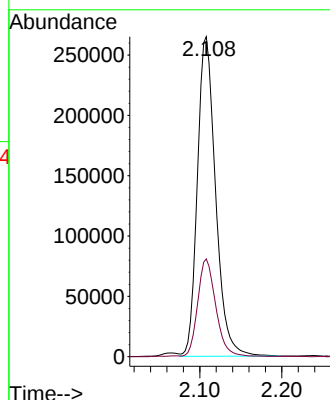
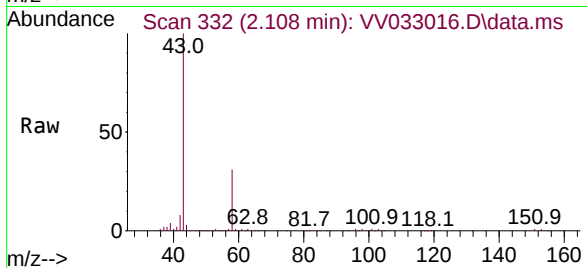
ClientSampleId :

Tgt Ion: 43 Resp: 409086

Ion Ratio Lower Upper

43 100

58 30.3 0.0 62.6



#14

Carbon disulfide

Concen: 185.012 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033016.D

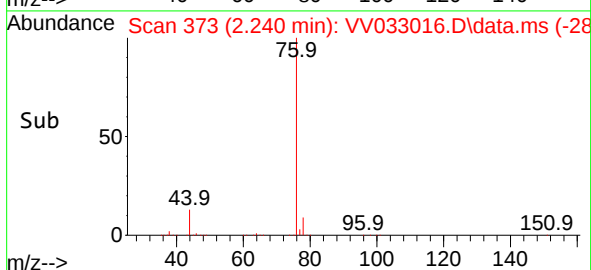
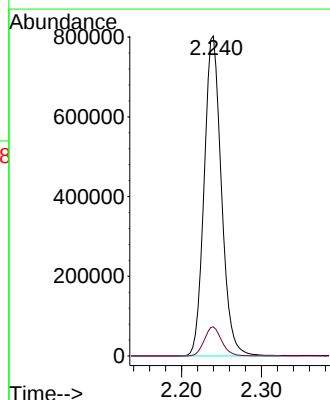
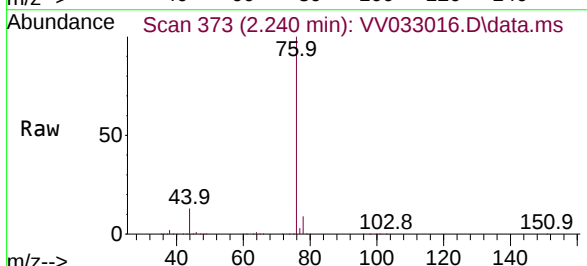
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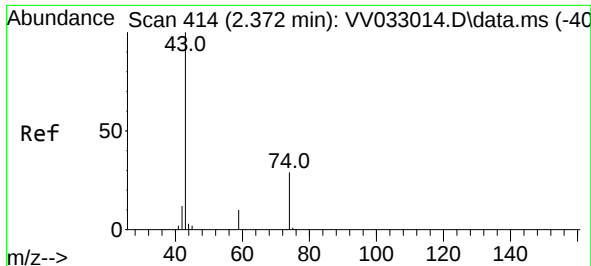
Tgt Ion: 76 Resp: 1206738

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

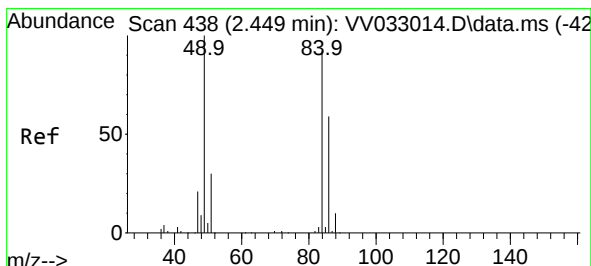
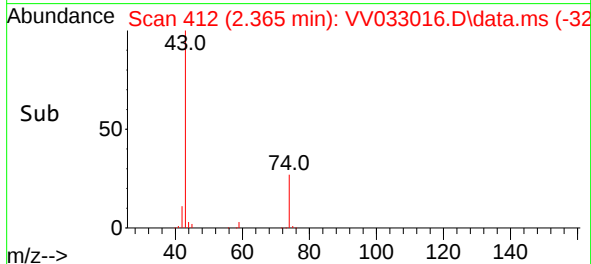
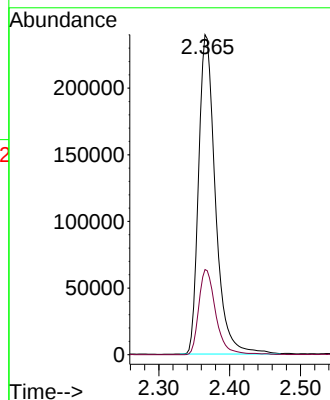
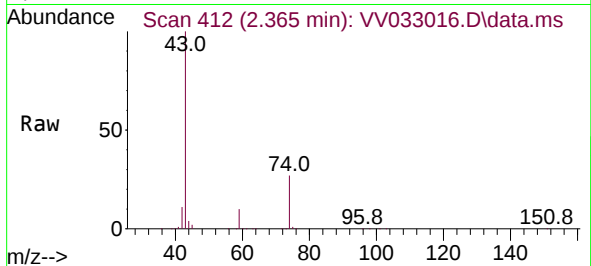




#15
Methyl Acetate
Concen: 194.833 ug/L
RT: 2.365 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

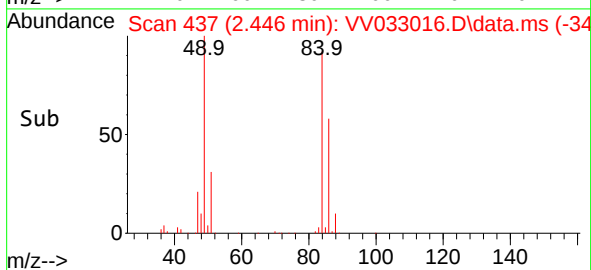
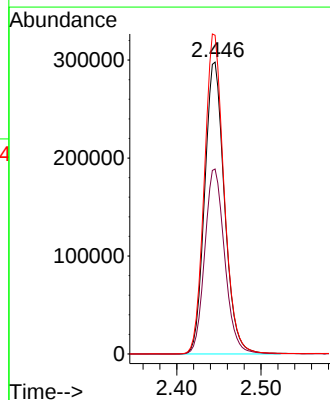
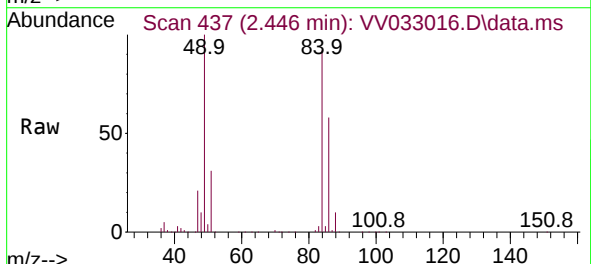
Instrument :
MSVOA_V
ClientSampleId :

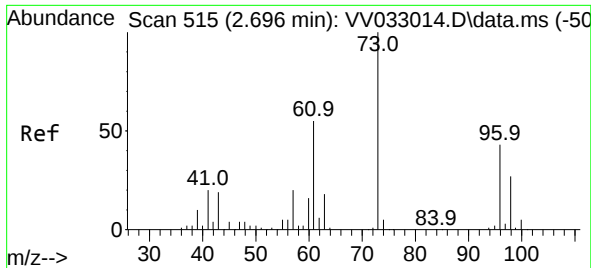
Tgt Ion: 43 Resp: 395505
Ion Ratio Lower Upper
43 100
74 26.6 22.7 34.1



#16
Methylene chloride
Concen: 175.740 ug/L
RT: 2.446 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion: 84 Resp: 488286
Ion Ratio Lower Upper
84 100
86 63.4 44.7 83.1
49 109.2 76.6 142.3

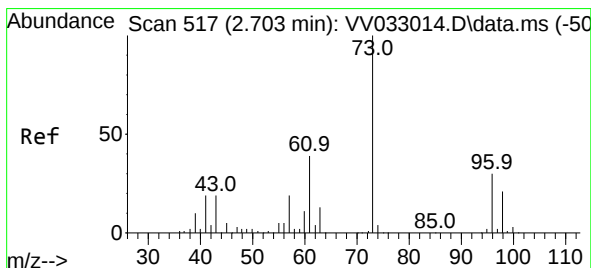
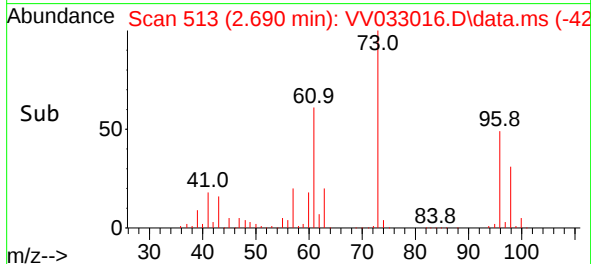
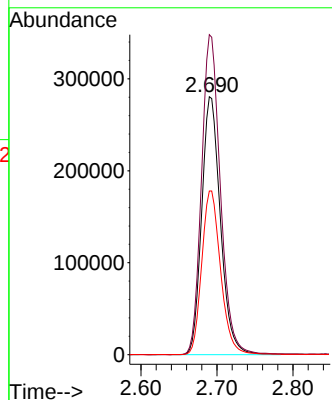
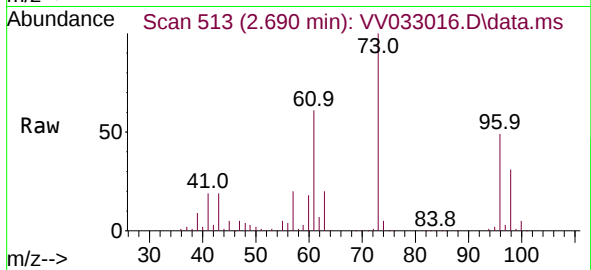




#17
trans-1,2-Dichloroethene
Concen: 191.444 ug/L
RT: 2.690 min Scan# 515
Delta R.T. -0.006 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

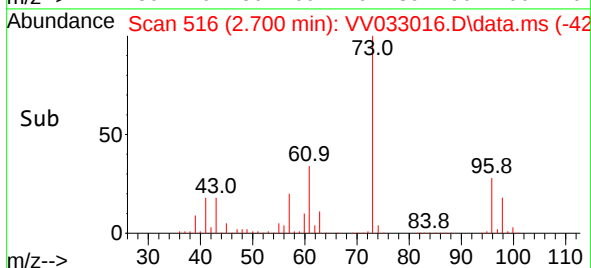
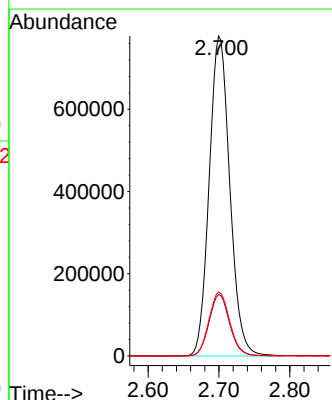
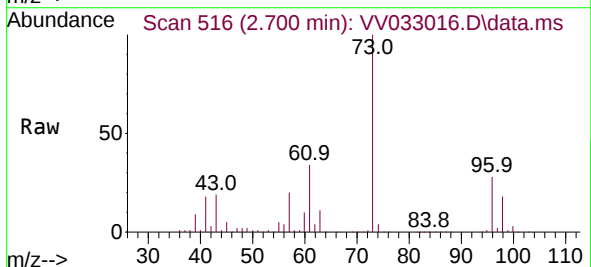
Instrument :
MSVOA_V
ClientSampleId :

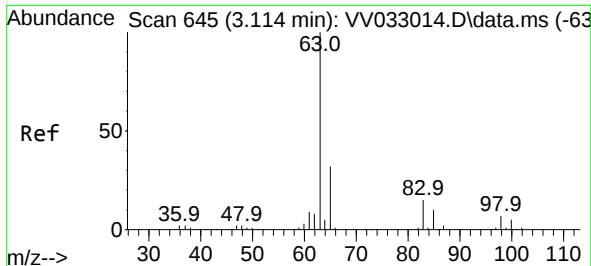
Tgt Ion: 96 Resp: 480490
Ion Ratio Lower Upper
96 100
61 124.0 89.5 166.3
98 63.4 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 199.849 ug/L
RT: 2.700 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion: 73 Resp: 1573422
Ion Ratio Lower Upper
73 100
43 19.0 15.2 22.8
57 20.2 15.8 23.8





#19

1,1-Dichloroethane

Concen: 184.735 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.006 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

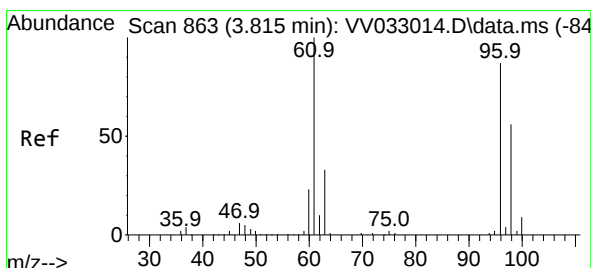
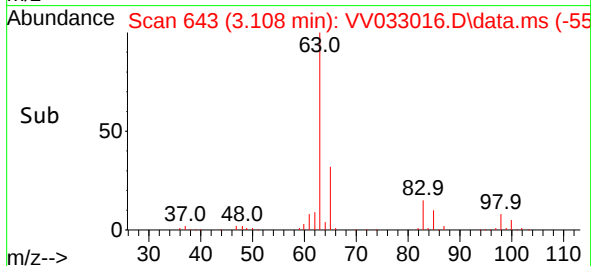
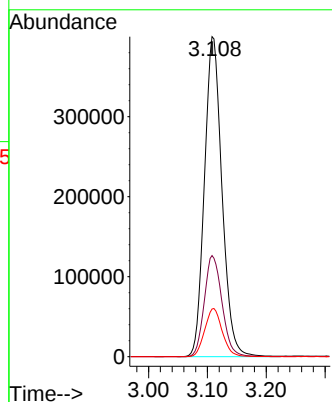
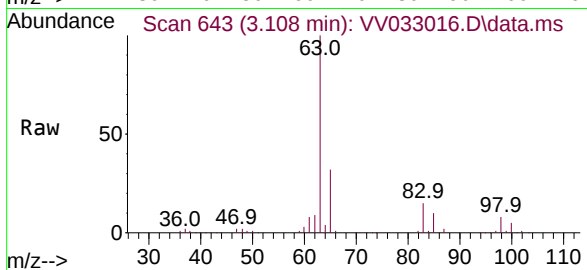
Tgt Ion: 63 Resp: 828225

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

83 14.9 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 195.355 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

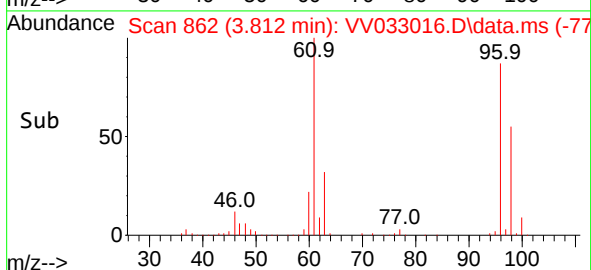
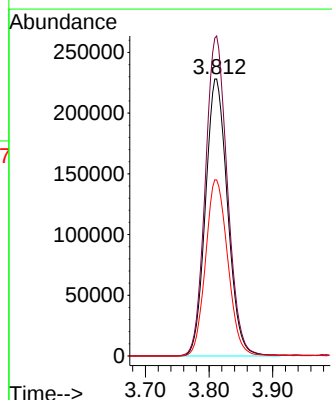
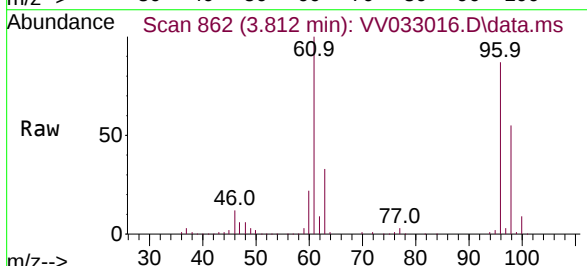
Tgt Ion: 96 Resp: 549739

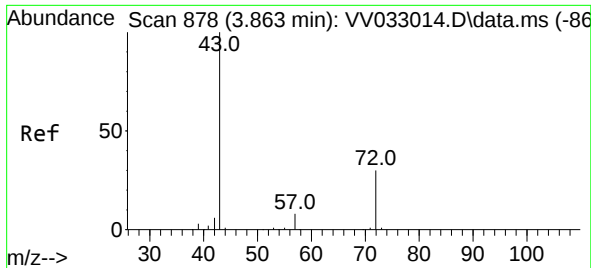
Ion Ratio Lower Upper

96 100

61 115.5 80.2 149.0

98 63.5 45.1 83.7

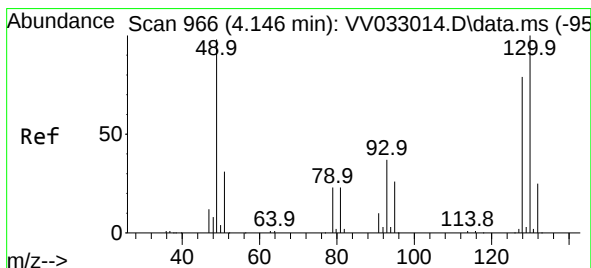
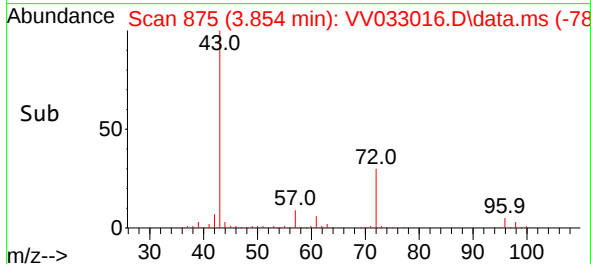
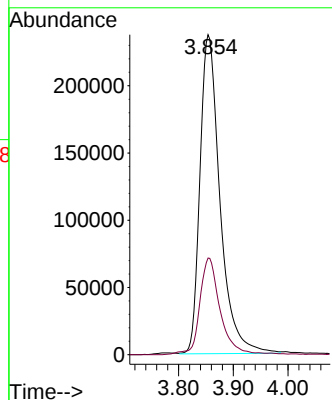
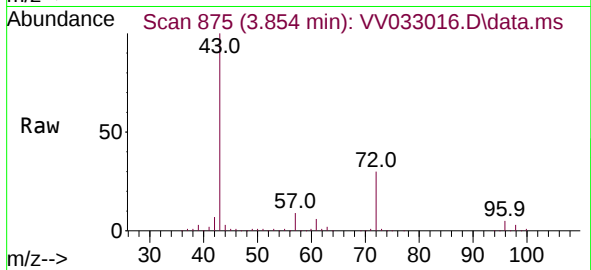




#22
2-Butanone
Concen: 408.040 ug/L
RT: 3.854 min Scan# 81
Delta R.T. -0.010 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

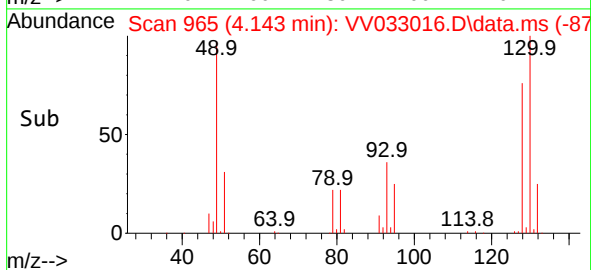
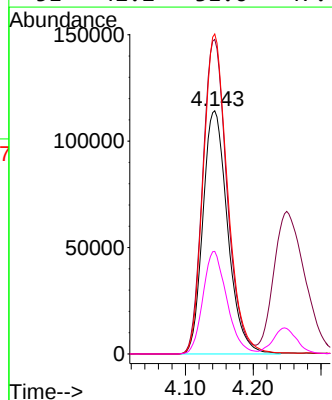
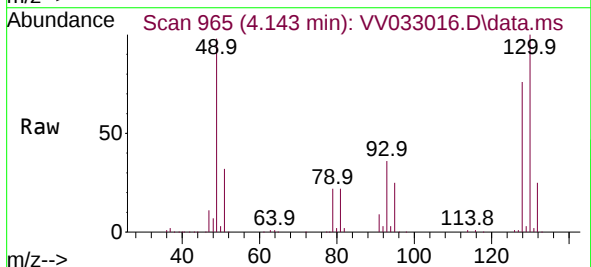
Instrument :
MSVOA_V
ClientSampleId :

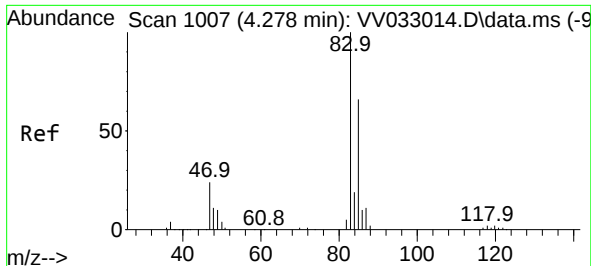
Tgt Ion: 43 Resp: 603368
Ion Ratio Lower Upper
43 100
72 30.4 13.9 41.7



#23
Bromochloromethane
Concen: 187.061 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion:128 Resp: 289534
Ion Ratio Lower Upper
128 100
49 129.3 87.1 161.7
130 131.6 88.1 163.5
51 42.2 31.6 47.4

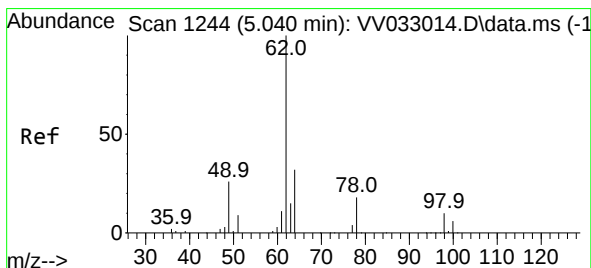
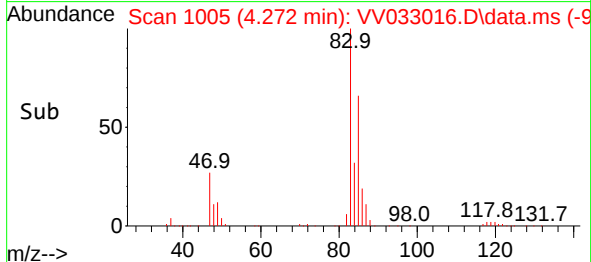
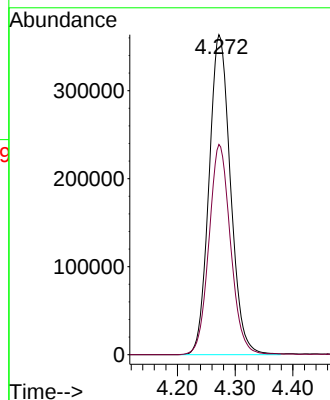
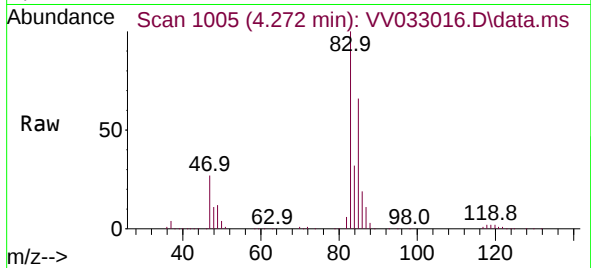




#25
Chloroform
Concen: 186.256 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. -0.006 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

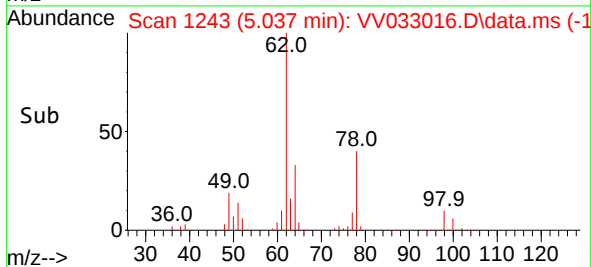
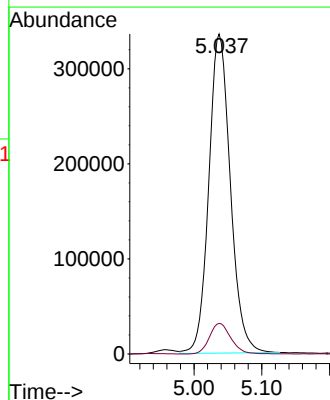
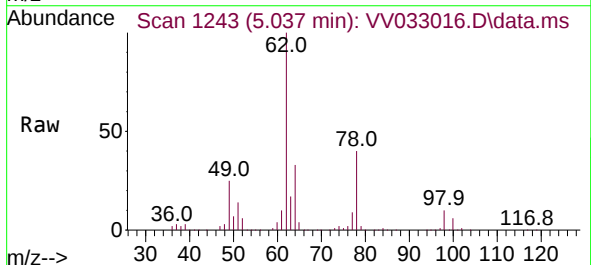
Instrument :
MSVOA_V
ClientSampleId :

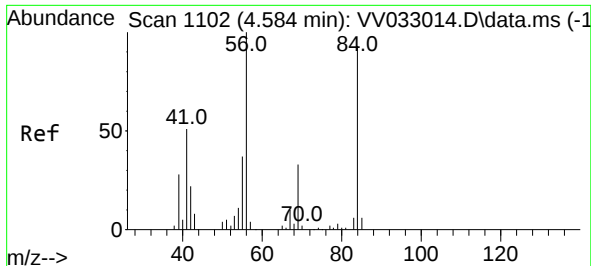
Tgt Ion: 83 Resp: 939869
Ion Ratio Lower Upper
83 100
85 65.7 46.2 85.8



#27
1,2-Dichloroethane
Concen: 188.354 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.003 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion: 62 Resp: 741464
Ion Ratio Lower Upper
62 100
98 9.5 8.3 12.5





#29

Cyclohexane

Concen: 200.958 ug/L

RT: 4.580 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

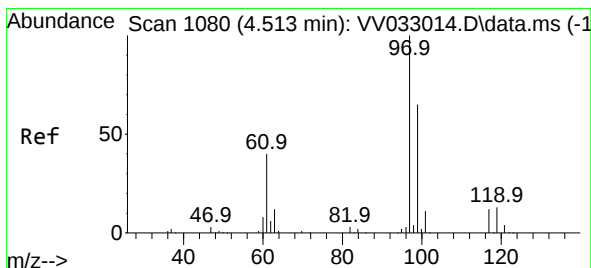
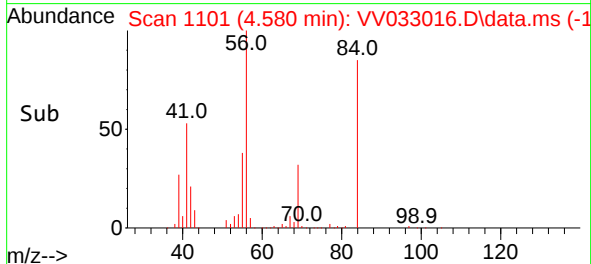
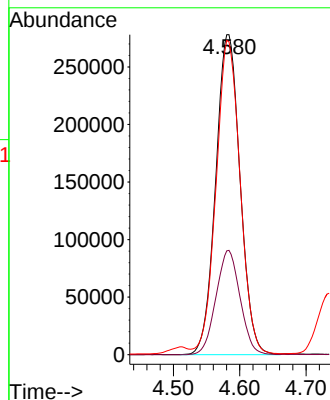
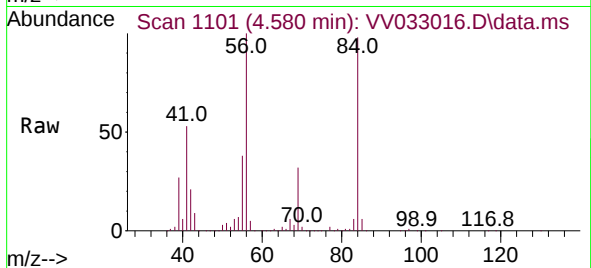
Tgt Ion: 56 Resp: 710267

Ion Ratio Lower Upper

56 100

69 32.1 26.7 40.1

84 96.5 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 184.911 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

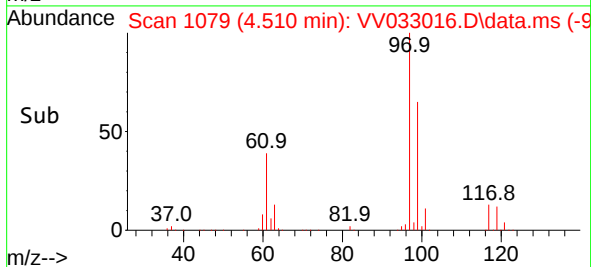
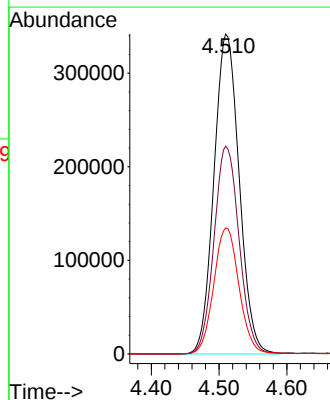
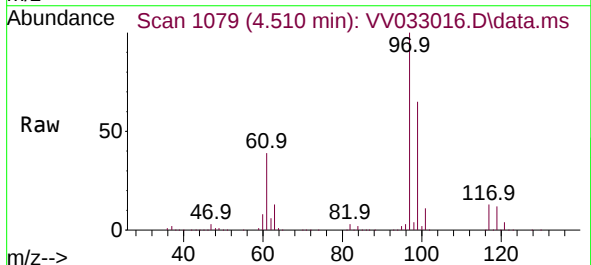
Tgt Ion: 97 Resp: 884746

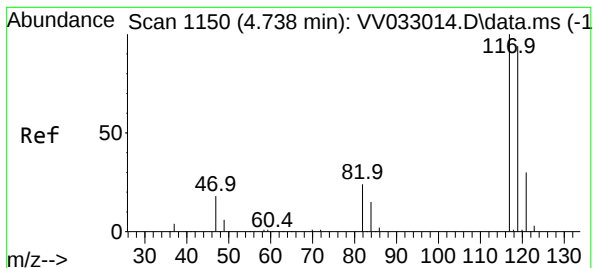
Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 39.3 32.1 48.1





#31

Carbon tetrachloride

Concen: 184.042 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

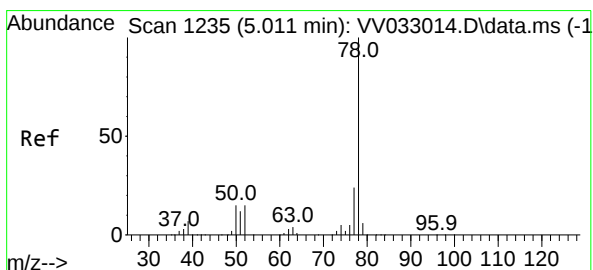
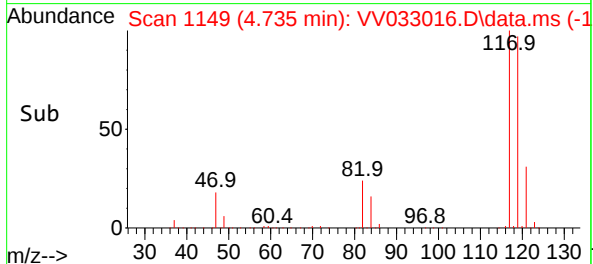
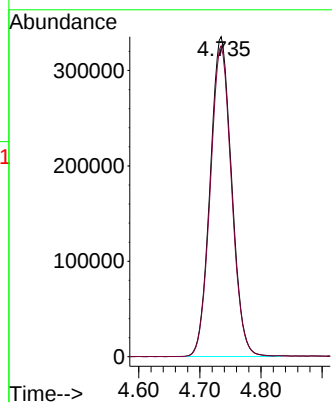
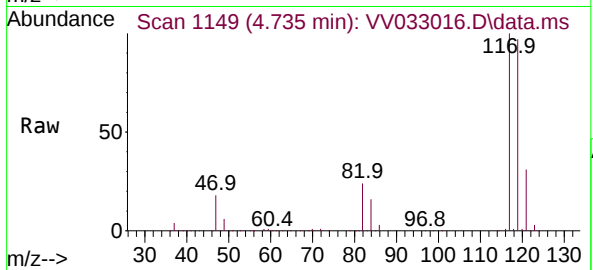
ClientSampleId :

Tgt Ion:117 Resp: 820614

Ion Ratio Lower Upper

117 100

119 96.1 76.5 114.7



#33

Benzene

Concen: 187.404 ug/L

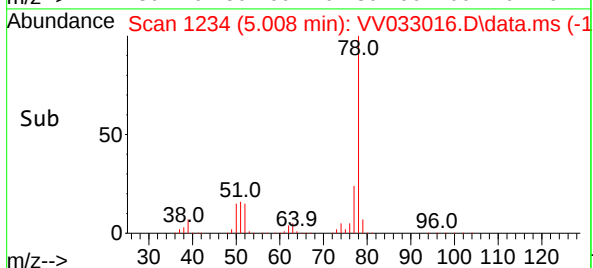
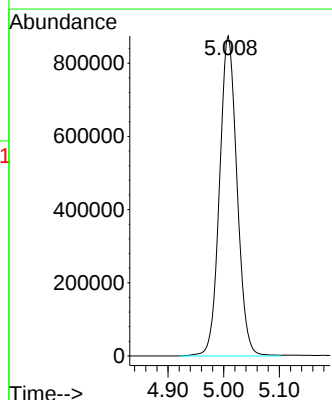
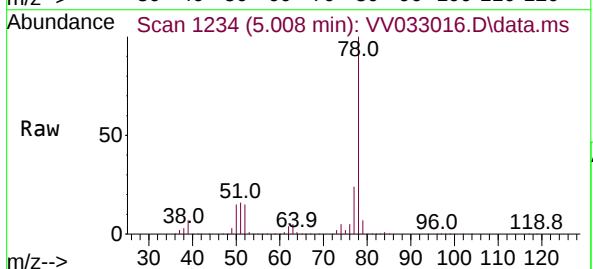
RT: 5.008 min Scan# 1234

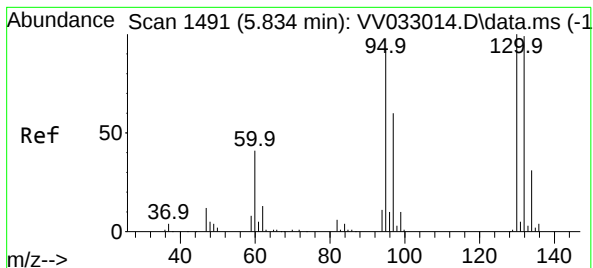
Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Tgt Ion: 78 Resp: 1909552





#34

Trichloroethene

Concen: 187.502 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 538519

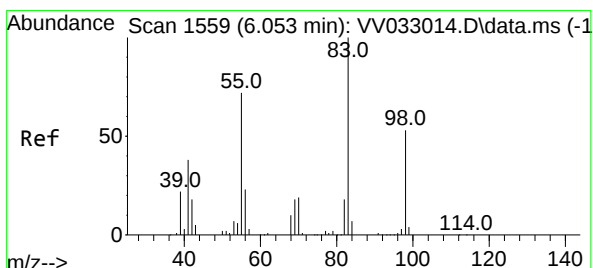
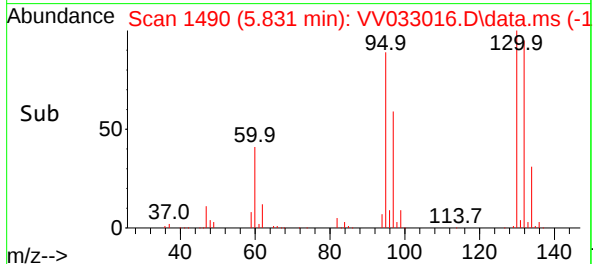
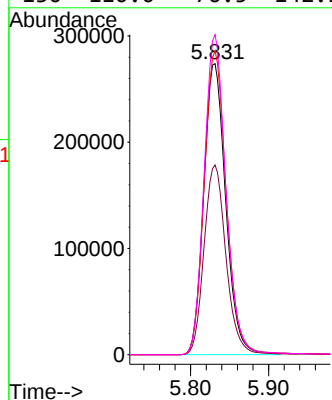
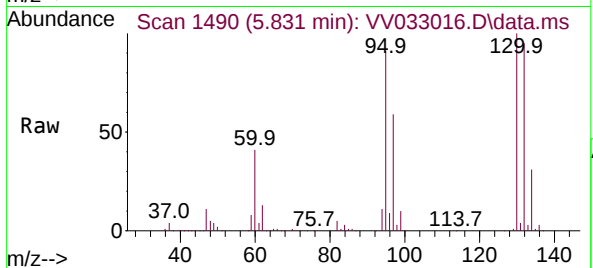
Ion Ratio Lower Upper

95 100

97 65.2 46.0 85.4

132 104.4 76.0 141.2

130 110.0 76.5 142.1



#35

Methylcyclohexane

Concen: 197.685 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

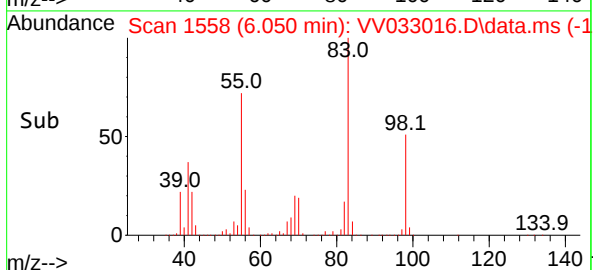
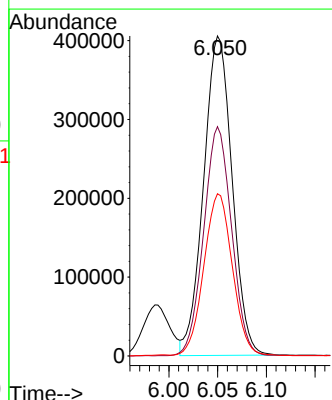
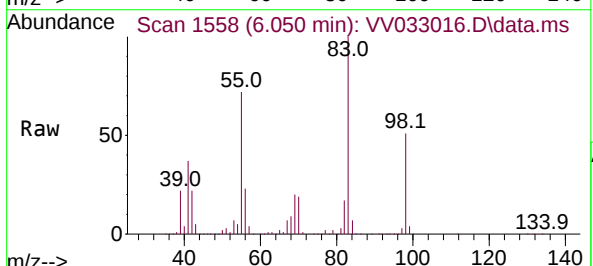
Tgt Ion: 83 Resp: 825226

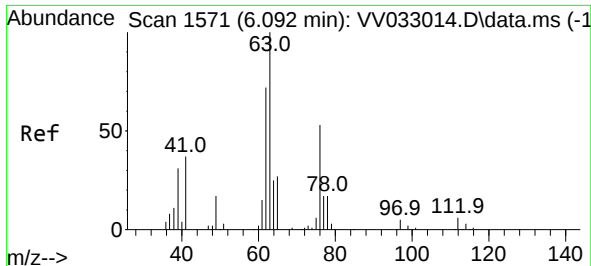
Ion Ratio Lower Upper

83 100

55 70.4 56.3 84.5

98 51.0 40.5 60.7

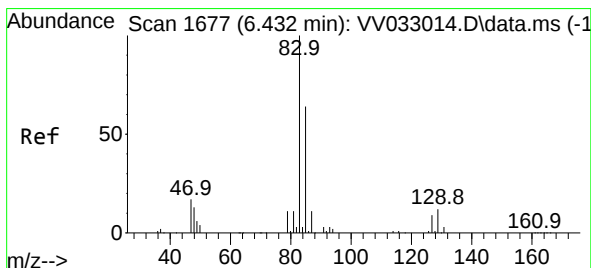
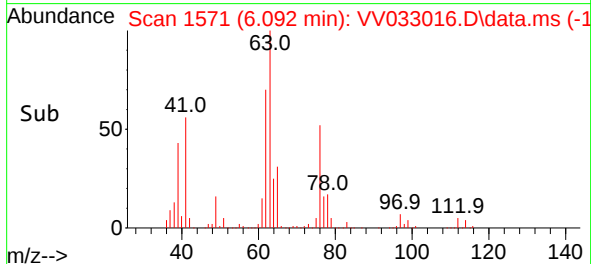
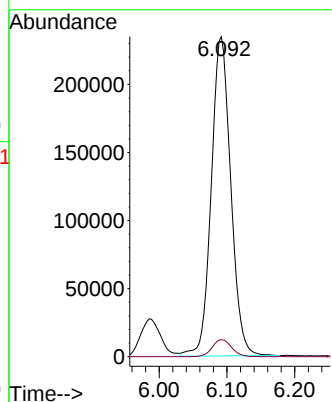
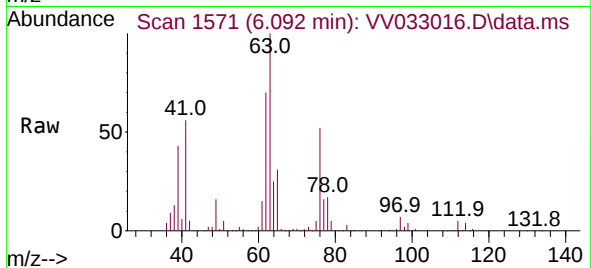




#37
1,2-Dichloropropane
Concen: 187.341 ug/L
RT: 6.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

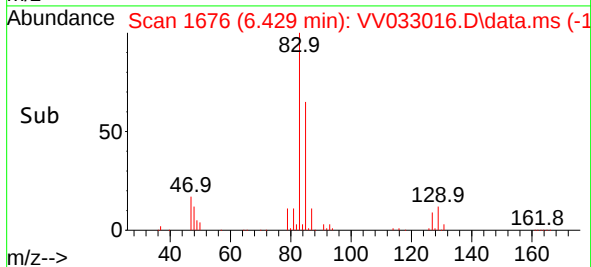
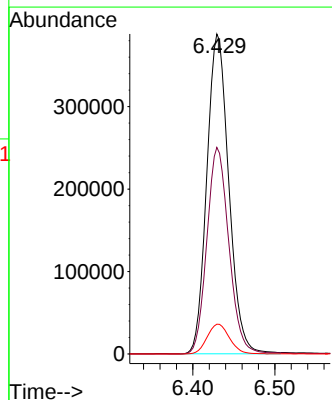
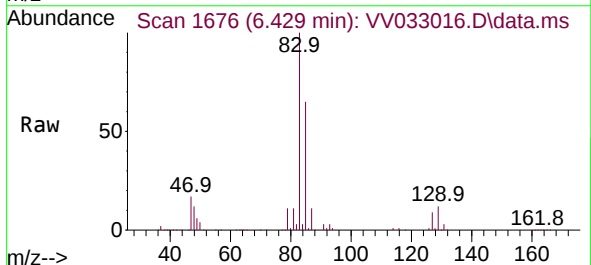
Instrument :
MSVOA_V
ClientSampleId :

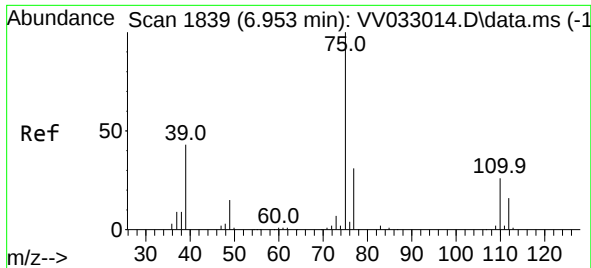
Tgt Ion: 63 Resp: 468545
Ion Ratio Lower Upper
63 100
112 5.3 4.6 7.0



#38
Bromodichloromethane
Concen: 185.954 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.003 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion: 83 Resp: 722615
Ion Ratio Lower Upper
83 100
85 64.6 44.7 83.1
127 9.3 7.3 10.9

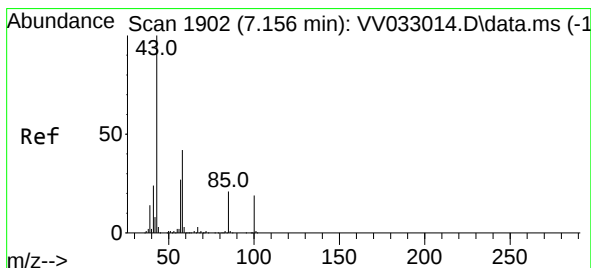
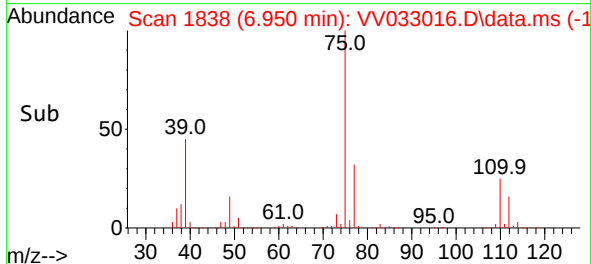
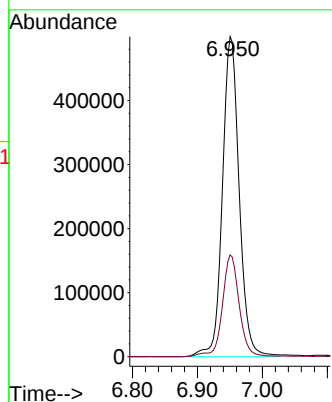
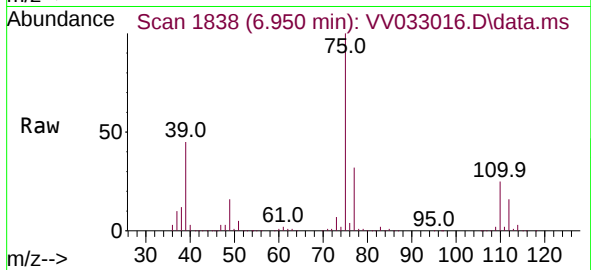




#39
 cis-1,3-Dichloropropene
 Concen: 207.295 ug/L
 RT: 6.950 min Scan# 1839
 Delta R.T. -0.003 min
 Lab File: VV033016.D
 Acq: 20 Nov 2023 11:04

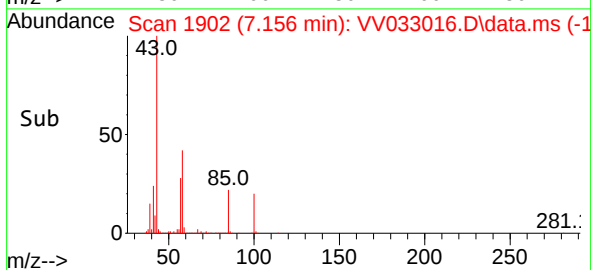
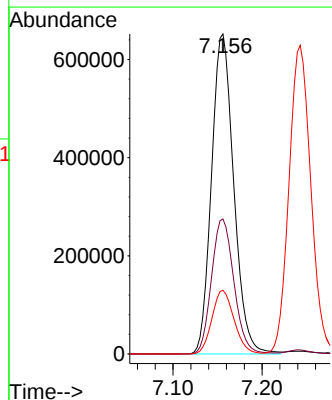
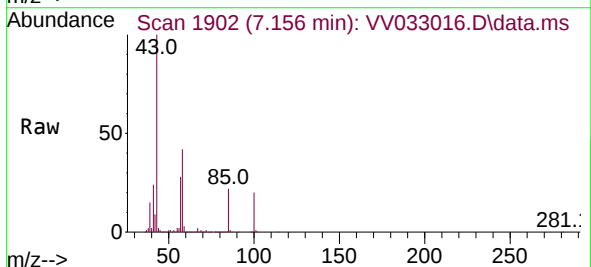
Instrument :
 MSVOA_V
 ClientSampleId :

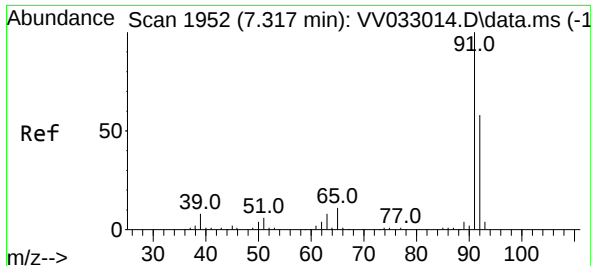
Tgt Ion: 75 Resp: 892559
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 412.927 ug/L
 RT: 7.156 min Scan# 1902
 Delta R.T. 0.000 min
 Lab File: VV033016.D
 Acq: 20 Nov 2023 11:04

Tgt Ion: 43 Resp: 1129645
 Ion Ratio Lower Upper
 43 100
 58 42.6 33.2 49.8
 100 19.8 14.9 22.3





#42

Toluene

Concen: 192.166 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

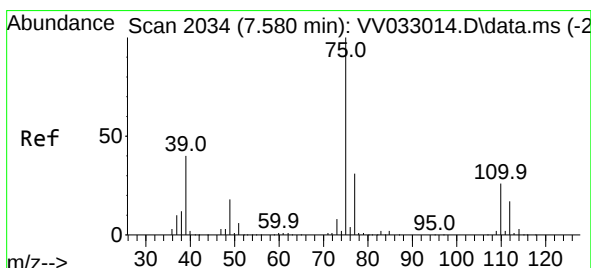
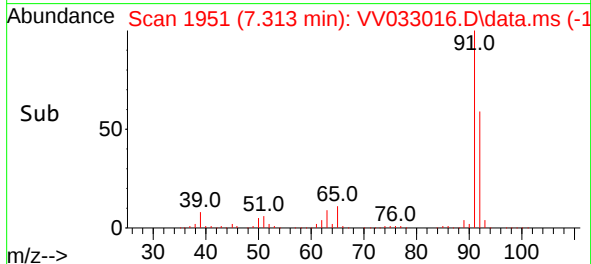
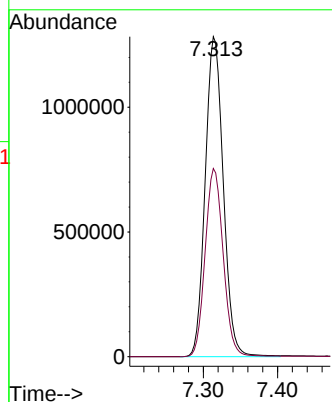
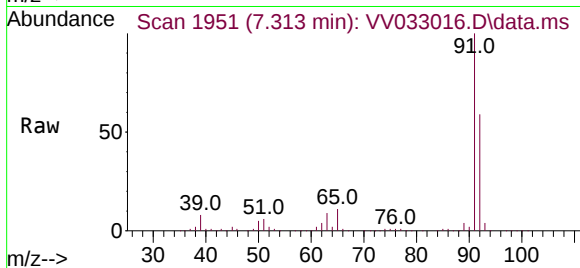
ClientSampleId :

Tgt Ion: 91 Resp: 2169618

Ion Ratio Lower Upper

91 100

92 58.8 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 204.181 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.003 min

Lab File: VV033016.D

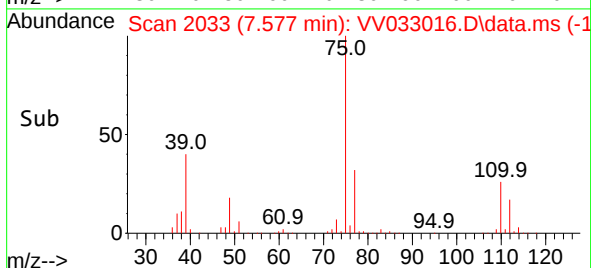
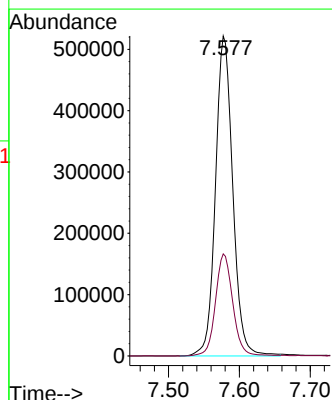
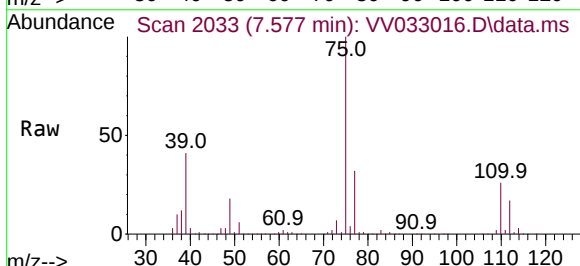
Acq: 20 Nov 2023 11:04

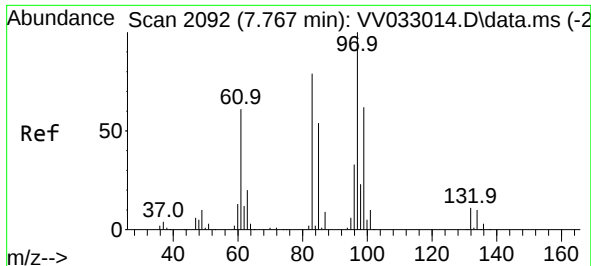
Tgt Ion: 75 Resp: 883418

Ion Ratio Lower Upper

75 100

77 31.9 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 185.820 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 523386

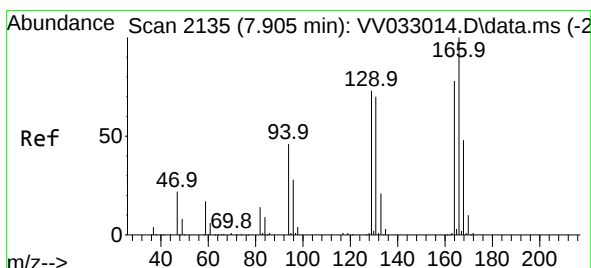
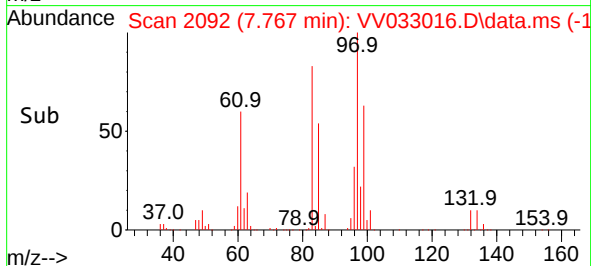
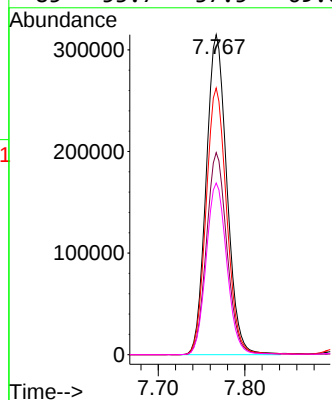
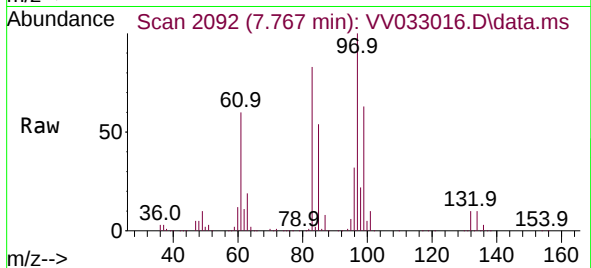
Ion Ratio Lower Upper

97 100

99 63.2 43.5 80.9

83 83.4 55.6 103.2

85 53.7 37.5 69.6



#46

Tetrachloroethene

Concen: 187.311 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Tgt Ion:164 Resp: 468815

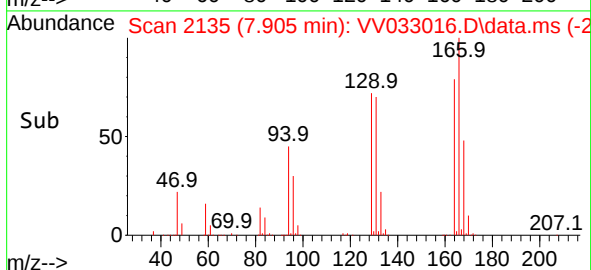
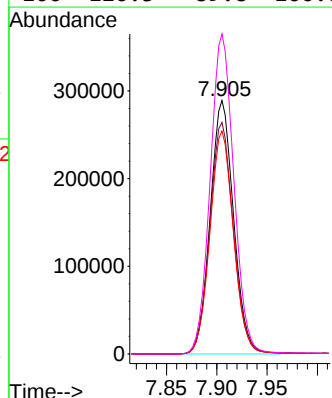
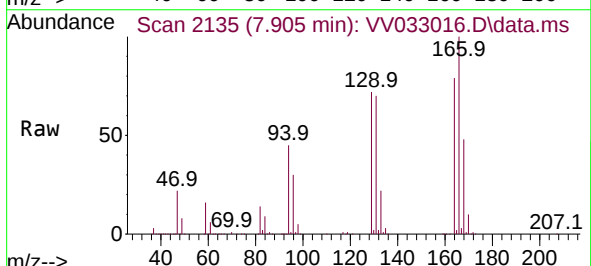
Ion Ratio Lower Upper

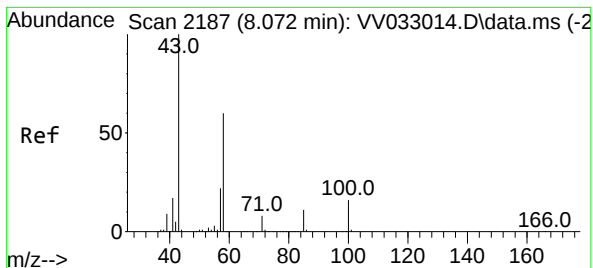
164 100

129 91.4 65.7 122.1

131 88.0 62.5 116.1

166 126.3 89.8 166.8





#48

2-Hexanone

Concen: 428.631 ug/L

RT: 8.072 min Scan# 2187

Delta R.T. 0.000 min

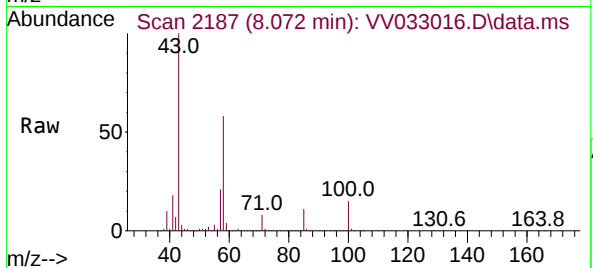
Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

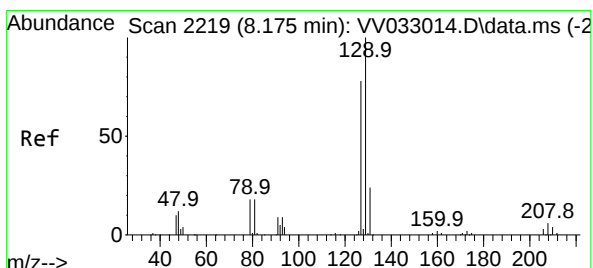
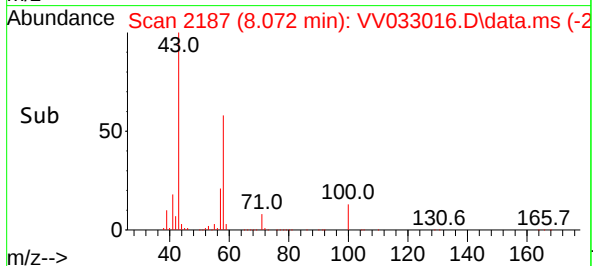
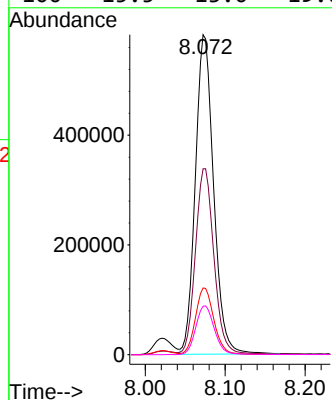
MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 927684

Ion	Ratio	Lower	Upper
43	100		
58	58.8	47.0	70.6
57	20.9	17.0	25.6
100	15.5	13.0	19.6



#49

Dibromochloromethane

Concen: 195.784 ug/L

RT: 8.175 min Scan# 2219

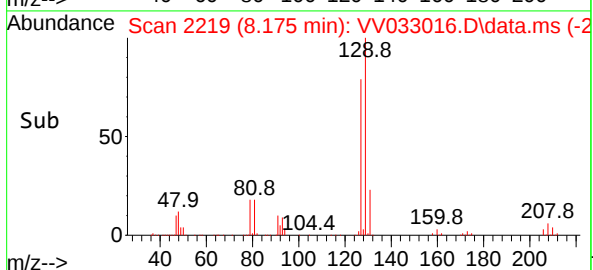
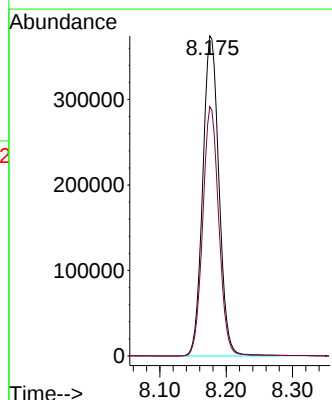
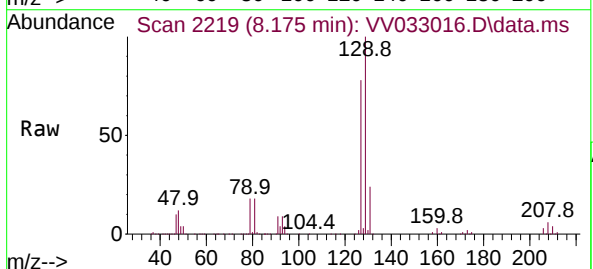
Delta R.T. 0.000 min

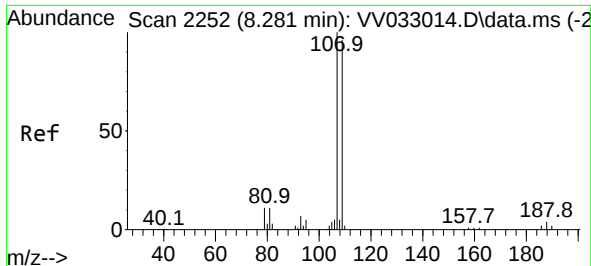
Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Tgt Ion: 129 Resp: 635572

Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.4	101.0





#50

1,2-Dibromoethane

Concen: 193.990 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

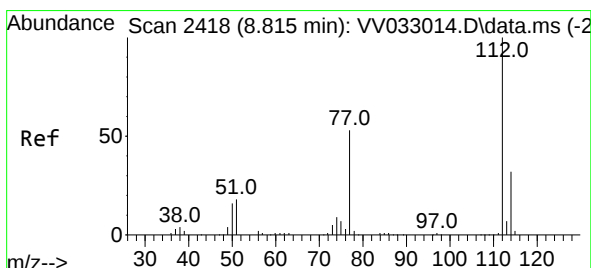
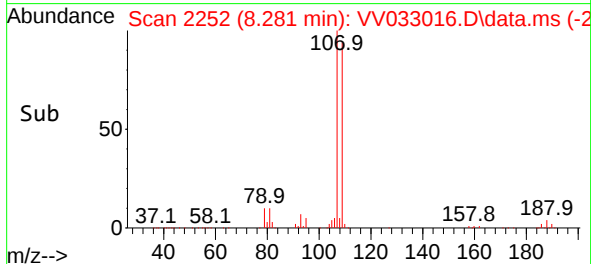
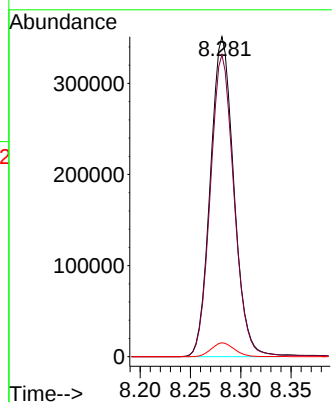
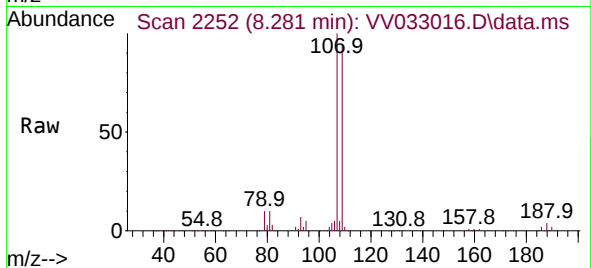
Tgt Ion:107 Resp: 572257

Ion Ratio Lower Upper

107 100

109 94.4 67.3 125.1

188 4.4 3.3 4.9



#51

Chlorobenzene

Concen: 190.501 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

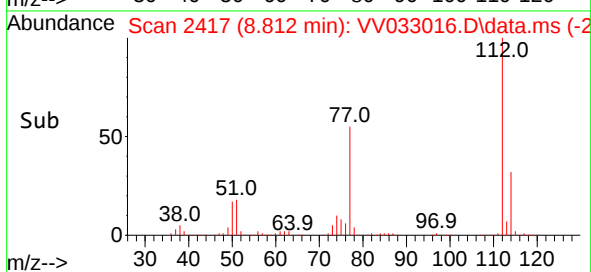
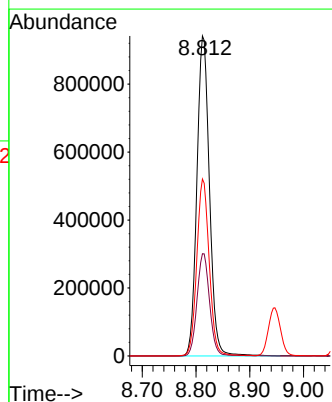
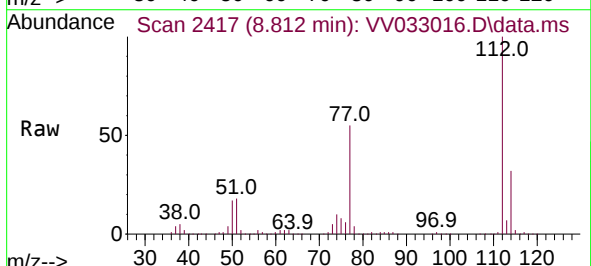
Tgt Ion:112 Resp: 1526254

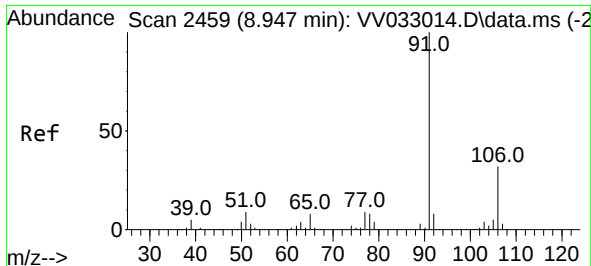
Ion Ratio Lower Upper

112 100

114 32.0 22.3 41.5

77 55.3 43.0 64.6

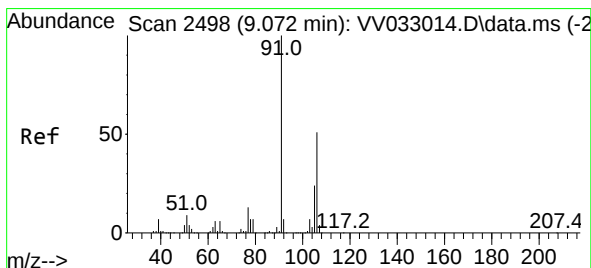
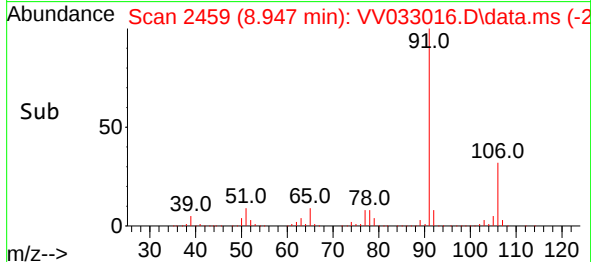
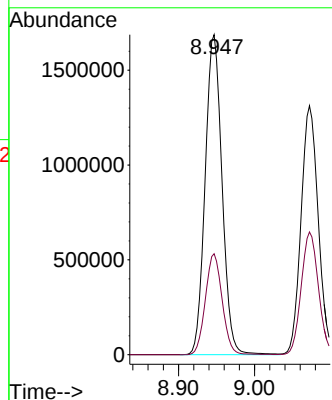
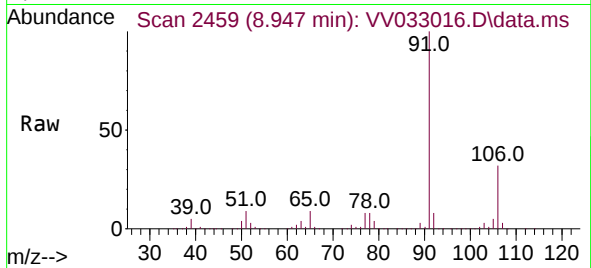




#52
Ethylbenzene
Concen: 200.773 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

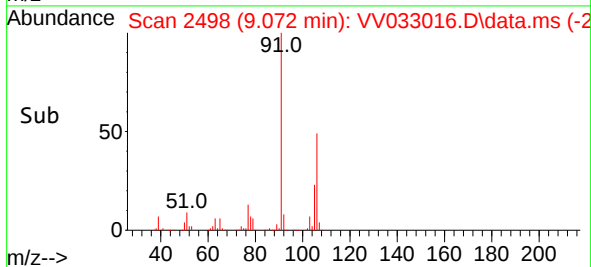
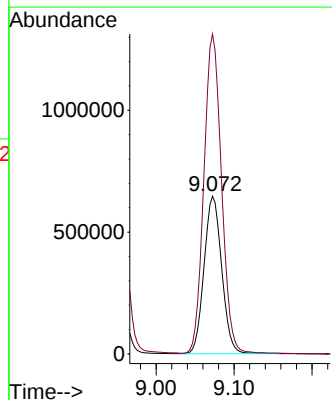
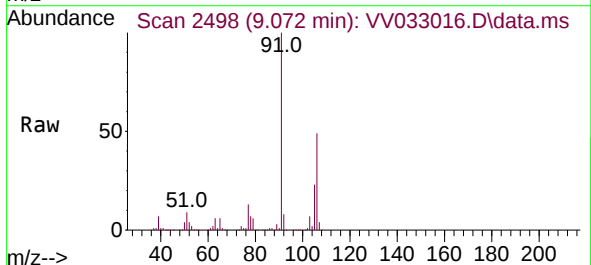
Instrument :
MSVOA_V
ClientSampleId :

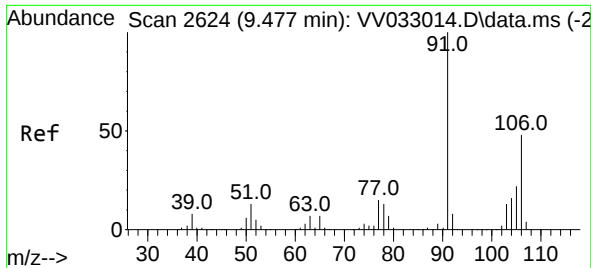
Tgt Ion: 91 Resp: 2602216
Ion Ratio Lower Upper
91 100
106 31.6 22.1 41.1



#53
m,p-Xylene
Concen: 200.362 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion: 106 Resp: 1020304
Ion Ratio Lower Upper
106 100
91 202.8 138.6 257.4

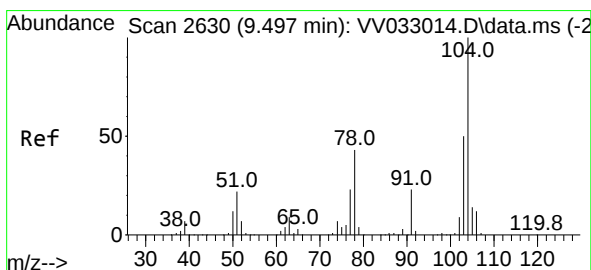
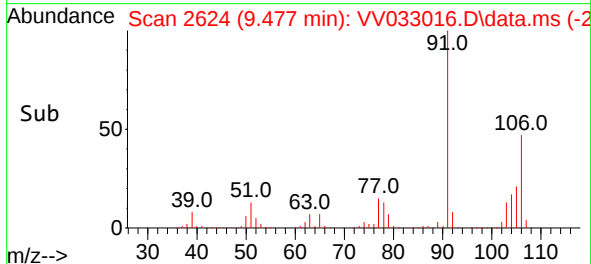
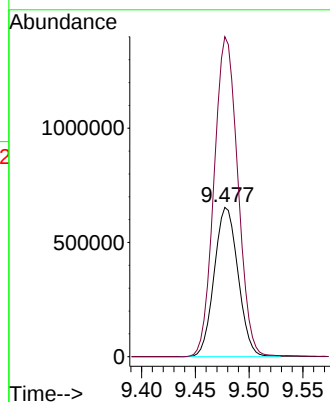
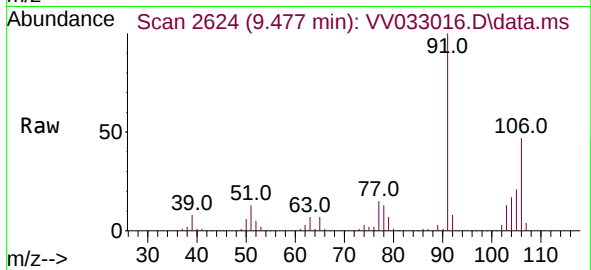




#54
o-Xylene
Concen: 205.617 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

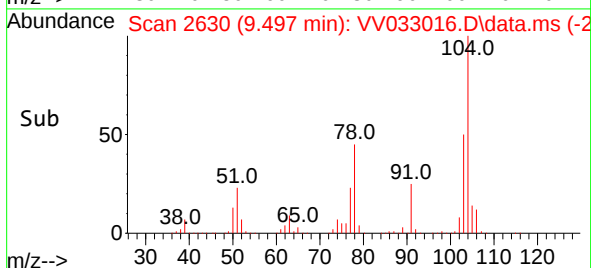
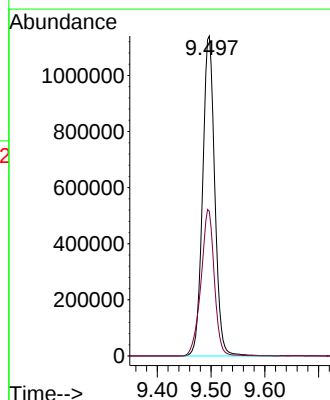
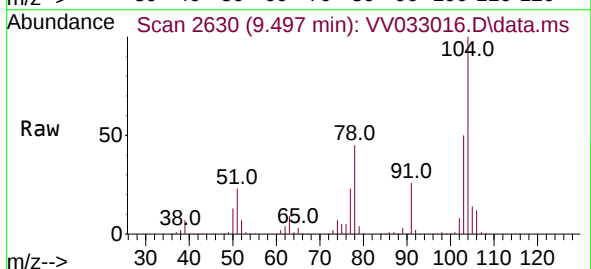
Instrument :
MSVOA_V
ClientSampleId :

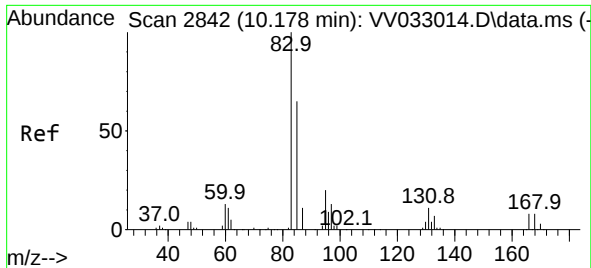
Tgt Ion:106 Resp: 1007897
Ion Ratio Lower Upper
106 100
91 214.3 147.3 273.5



#55
Styrene
Concen: 205.045 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

Tgt Ion:104 Resp: 1792943
Ion Ratio Lower Upper
104 100
78 45.2 30.2 56.2

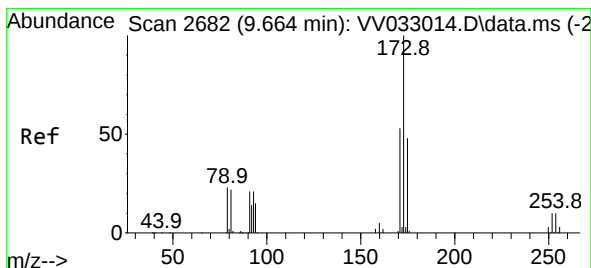
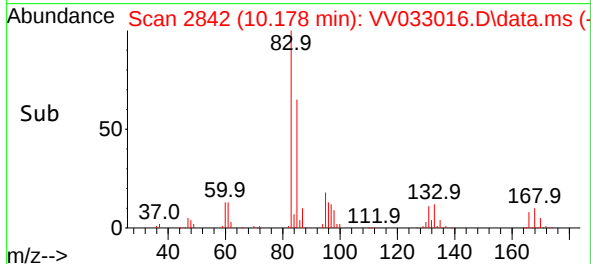
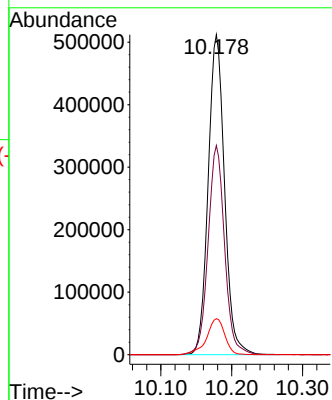
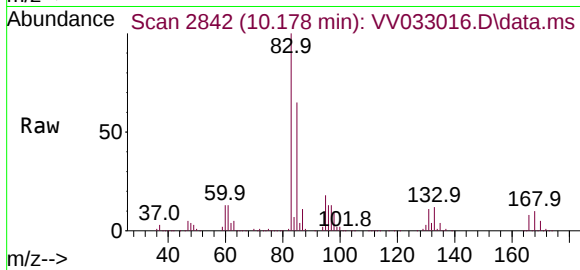




#57
1,1,2,2-Tetrachloroethane
Concen: 206.151 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

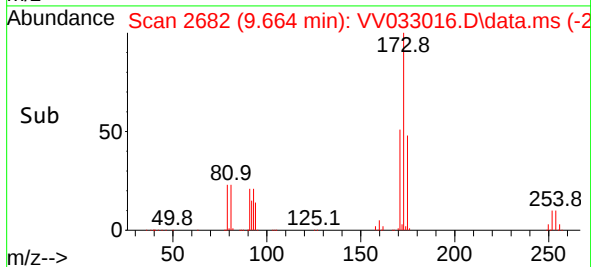
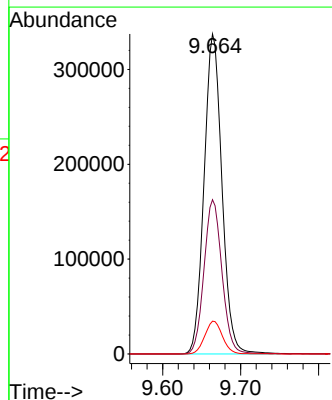
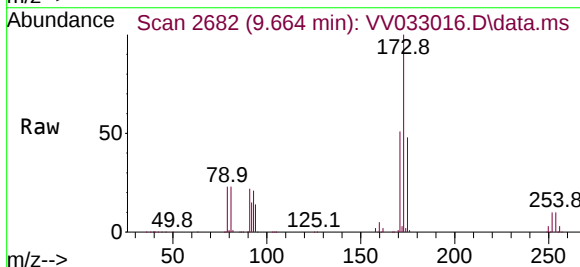
Instrument :
MSVOA_V
ClientSampleId :

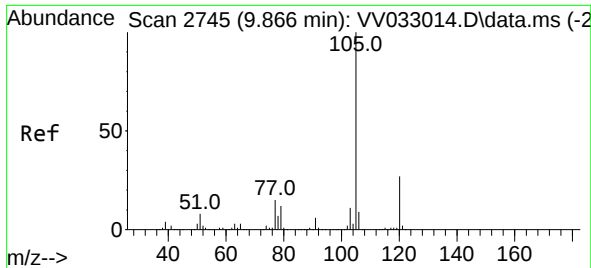
Tgt Ion: 83 Resp: 820266
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.2
131 11.3 9.4 14.0



#59
Bromoform
Concen: 191.715 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

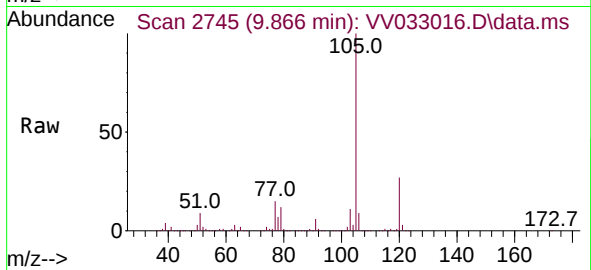
Tgt Ion: 173 Resp: 538496
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 10.2 7.9 11.9



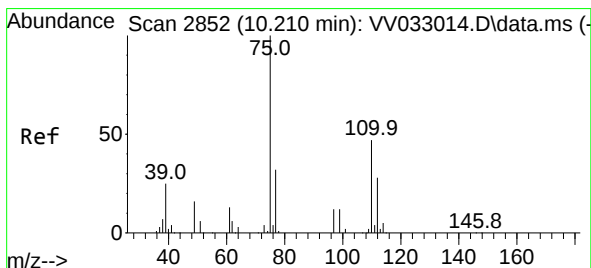
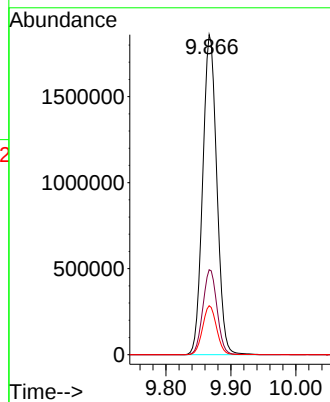
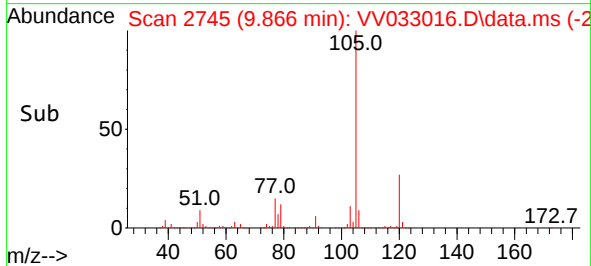


#60
Isopropylbenzene
Concen: 192.747 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04

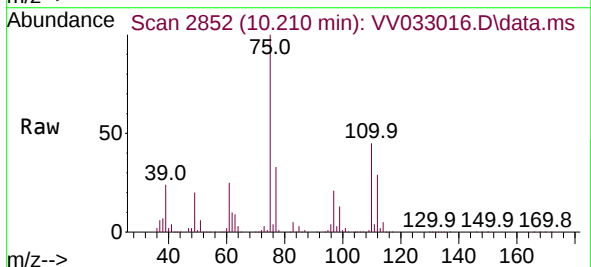
Instrument :
MSVOA_V
ClientSampleId :



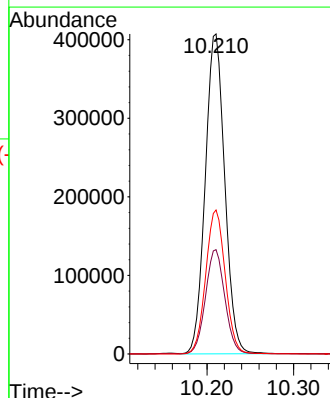
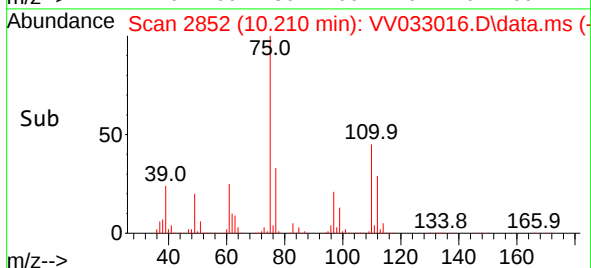
Tgt Ion:105 Resp: 2816226
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.2
77 15.2 12.2 18.2

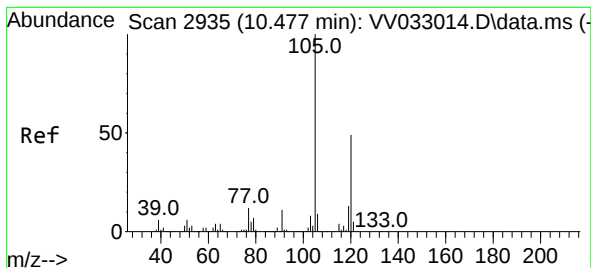


#61
1,2,3-Trichloropropane
Concen: 183.186 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV033016.D
Acq: 20 Nov 2023 11:04



Tgt Ion: 75 Resp: 636922
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
110 45.0 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 202.461 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

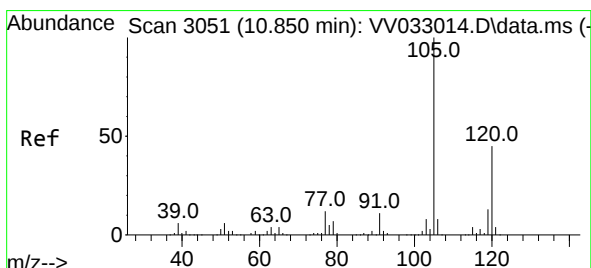
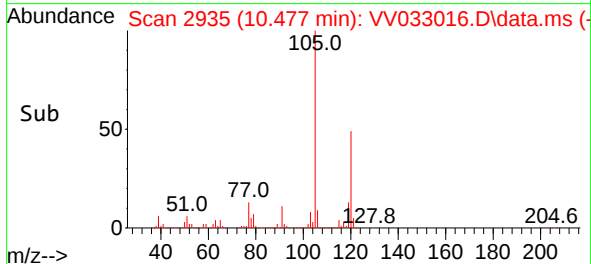
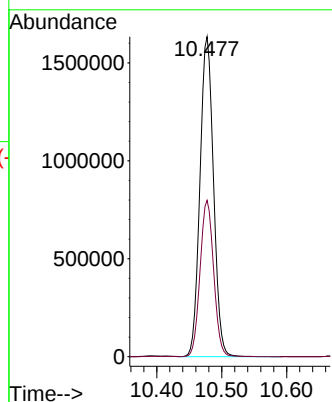
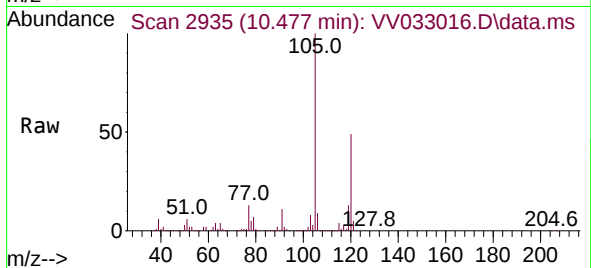
ClientSampleId :

Tgt Ion:105 Resp: 2373371

Ion Ratio Lower Upper

105 100

120 48.9 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 203.909 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV033016.D

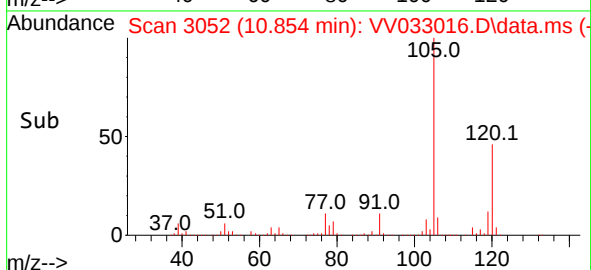
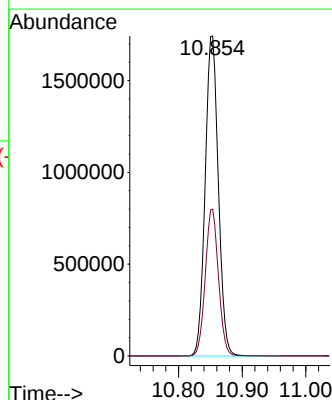
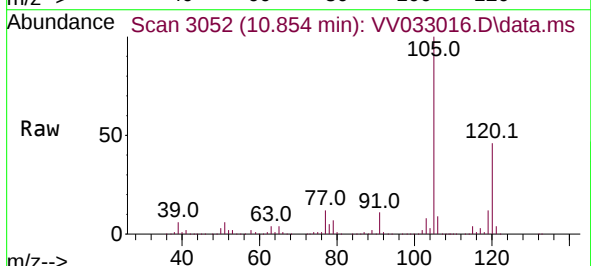
Acq: 20 Nov 2023 11:04

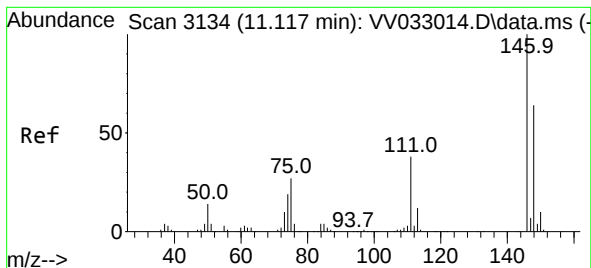
Tgt Ion:105 Resp: 2504157

Ion Ratio Lower Upper

105 100

120 45.8 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 189.468 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

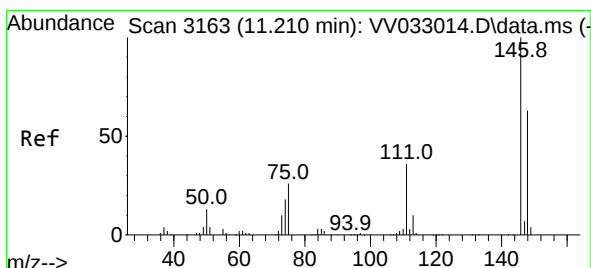
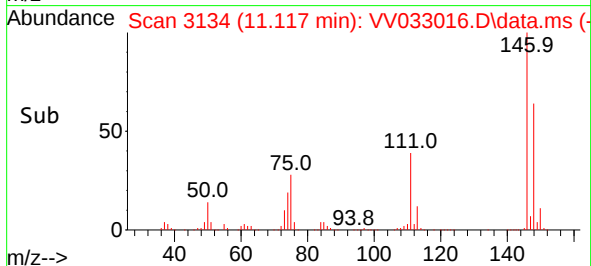
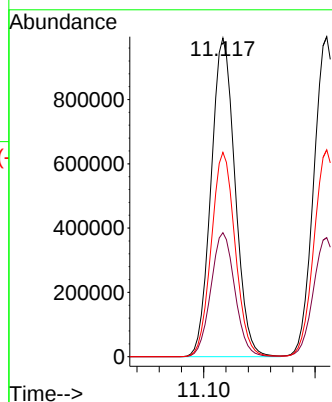
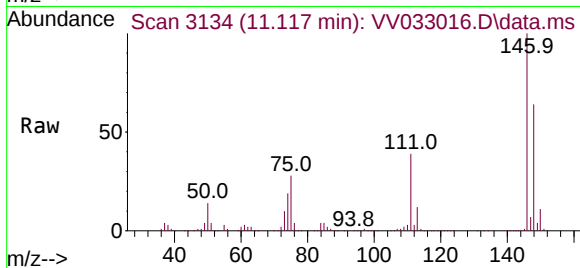
Tgt Ion:146 Resp: 1483147

Ion Ratio Lower Upper

146 100

111 38.9 26.5 49.1

148 64.1 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 182.623 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

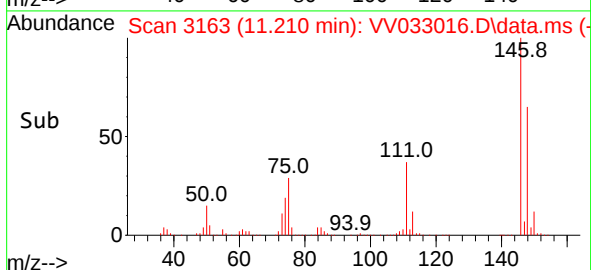
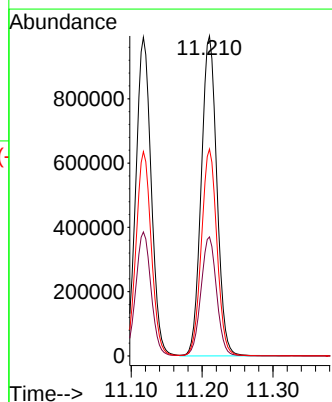
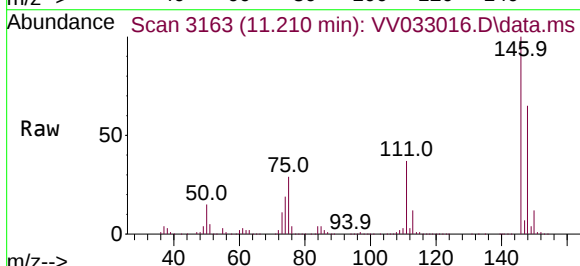
Tgt Ion:146 Resp: 1519570

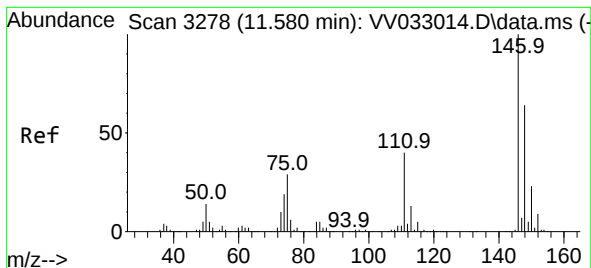
Ion Ratio Lower Upper

146 100

111 37.2 25.1 46.7

148 64.7 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 188.732 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

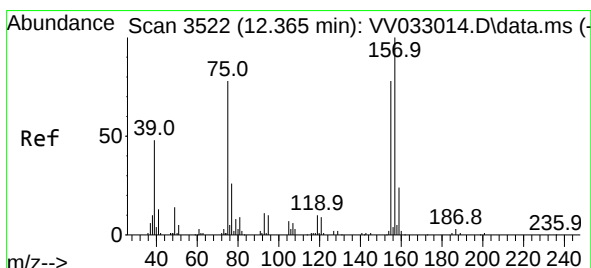
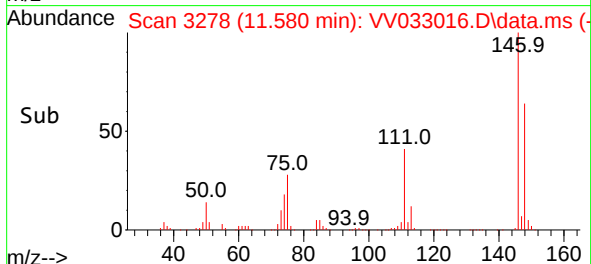
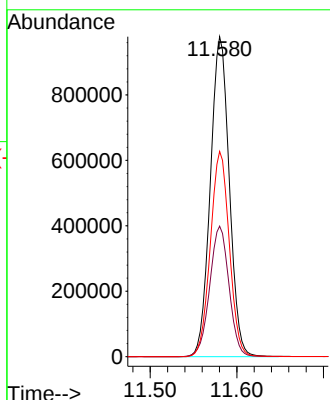
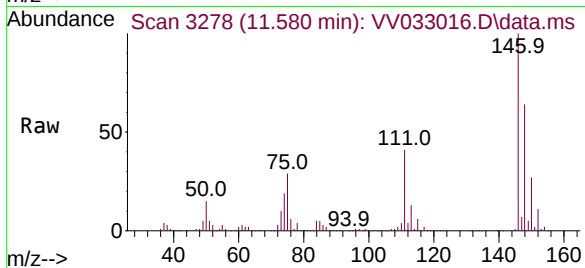
Tgt Ion:146 Resp: 1482451

Ion Ratio Lower Upper

146 100

111 40.8 31.8 47.6

148 64.1 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 208.333 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

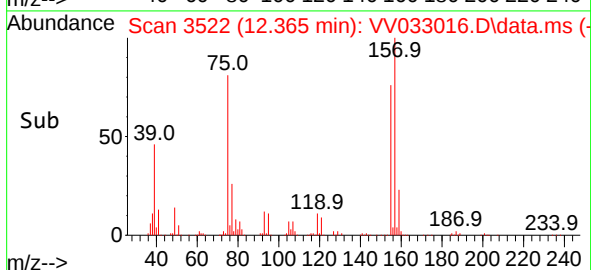
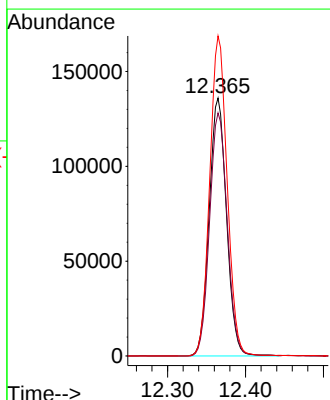
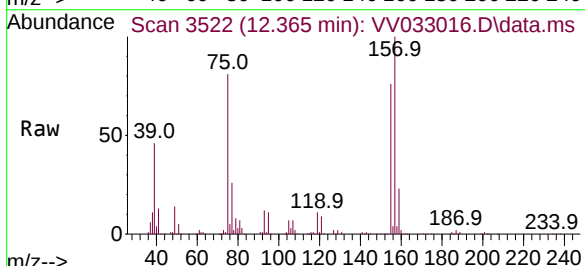
Tgt Ion: 75 Resp: 210723

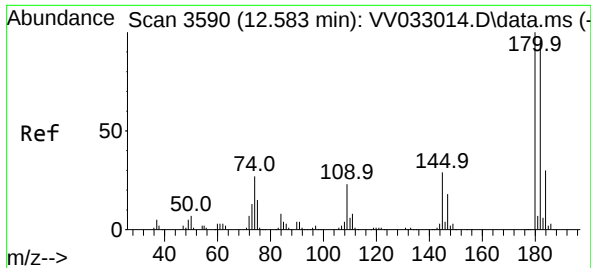
Ion Ratio Lower Upper

75 100

155 94.2 79.8 119.8

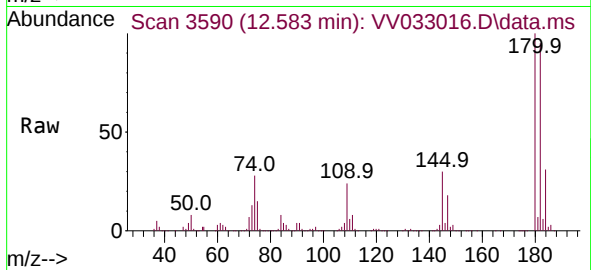
157 124.0 102.5 153.7





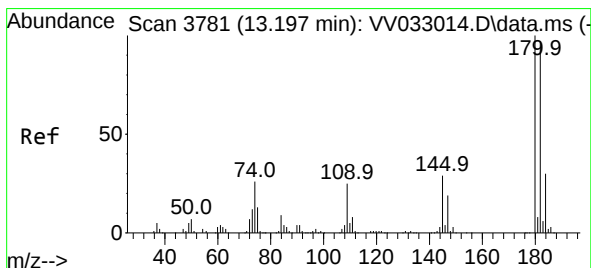
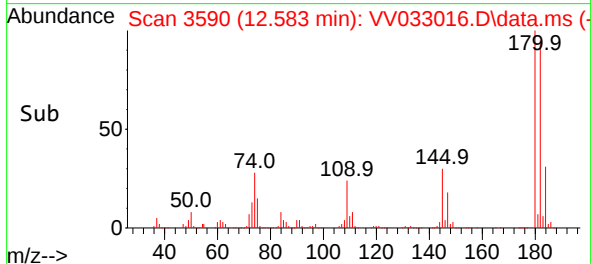
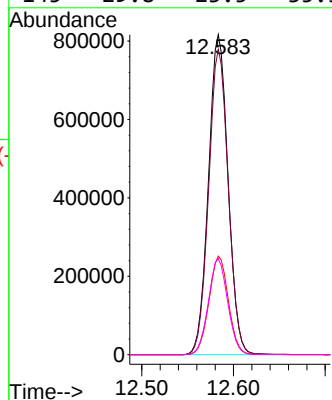
#69
 1,3,5-Trichlorobenzene
 Concen: 199.028 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.000 min
 Lab File: VV033016.D
 Acq: 20 Nov 2023 11:04

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 1211264

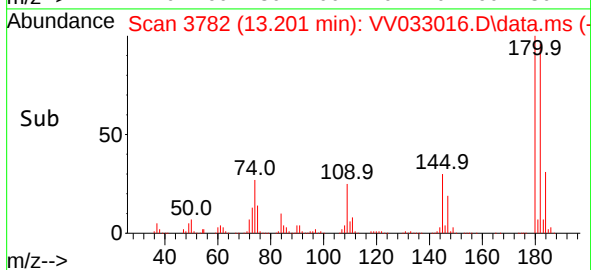
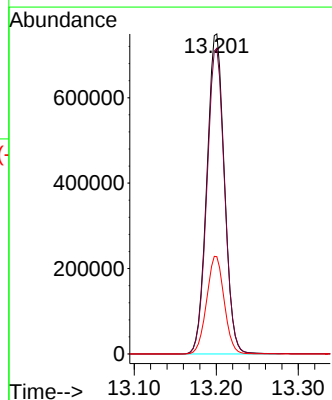
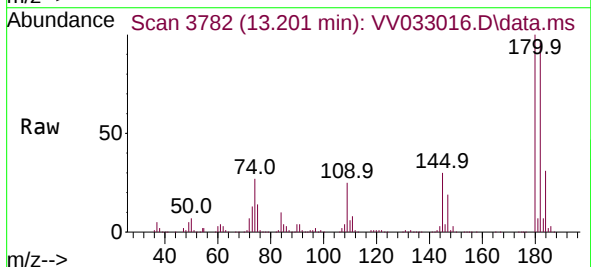
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	115.0
184	30.5	24.5	36.7
145	29.8	23.5	35.3

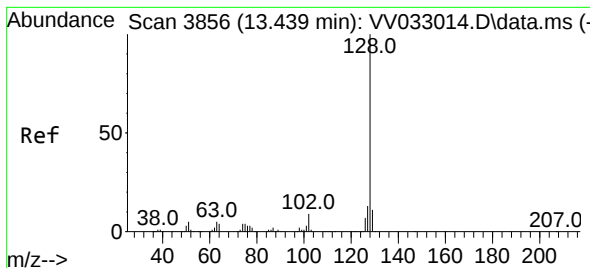


#70
 1,2,4-trichlorobenzene
 Concen: 199.830 ug/L
 RT: 13.201 min Scan# 3782
 Delta R.T. 0.003 min
 Lab File: VV033016.D
 Acq: 20 Nov 2023 11:04

Tgt Ion:180 Resp: 1114517

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	30.5	23.2	34.8





#71

Naphthalene

Concen: 211.227 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Instrument :

MSVOA_V

ClientSampleId :

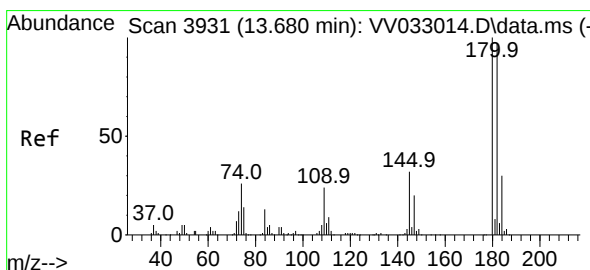
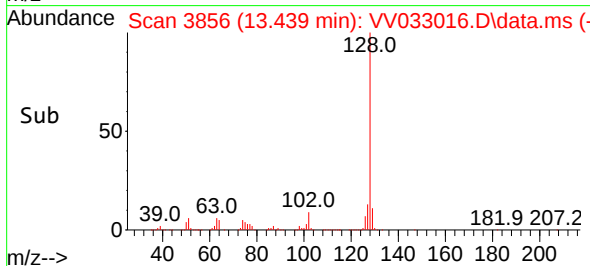
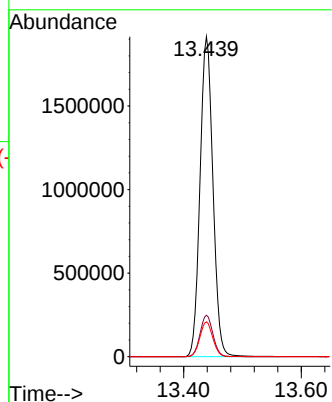
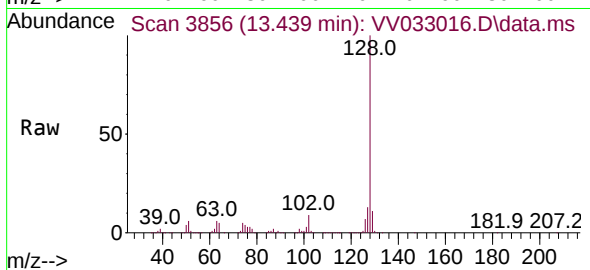
Tgt Ion:128 Resp: 2913835

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 195.075 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

Lab File: VV033016.D

Acq: 20 Nov 2023 11:04

Tgt Ion:180 Resp: 1054857

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 32.2 25.5 38.3

