

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033015.D
 Acq On : 20 Nov 2023 10:41
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 20 23:13:28 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	338010	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	341076	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	218096	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	169585	95.958	ug/L	0.00
7) Chloroethane-d5	1.529	69	130928	96.328	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	66848	92.442	ug/L	0.00
21) 2-Butanone-d5	3.777	46	241823	218.028	ug/L	0.00
24) Chloroform-d	4.246	84	435874	100.077	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.937	65	274859	101.168	ug/L	0.00
32) Benzene-d6	4.960	84	813281	102.392	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.985	67	232102	103.050	ug/L	0.00
41) Toluene-d8	7.243	98	786788	103.767	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.548	79	139896	106.393	ug/L	0.00
47) 2-Hexanone-d5	8.021	63	210544	228.625	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.152	84	348382	101.614	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	381192	98.013	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	320386	87.735	ug/L	97
3) Chloromethane	1.214	50	249482	91.545	ug/L	99
5) Vinyl chloride	1.285	62	232194	91.848	ug/L	100
6) Bromomethane	1.478	94	154820	92.679	ug/L	99
8) Chloroethane	1.545	64	128968	92.234	ug/L	98
9) Trichlorofluoromethane	1.712	101	365408	89.282	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	175917	87.171	ug/L	98
12) 1,1-Dichloroethene	2.069	96	172822	92.749	ug/L	95
13) Acetone	2.108	43	200613	182.347	ug/L	99
14) Carbon disulfide	2.240	76	576101	92.961	ug/L	99
15) Methyl Acetate	2.368	43	190211	98.619	ug/L	97
16) Methylene chloride	2.445	84	238732	90.433	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	228955	96.012	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	759147	101.484	ug/L	99
19) 1,1-Dichloroethane	3.111	63	401870	94.342	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	264487	98.921	ug/L	97
22) 2-Butanone	3.857	43	291711	207.630	ug/L	98
23) Bromochloromethane	4.143	128	141834	96.445	ug/L	97
25) Chloroform	4.275	83	458652	95.663	ug/L	99
27) 1,2-Dichloroethane	5.037	62	365001	97.588	ug/L	98
29) Cyclohexane	4.584	56	314786	95.658	ug/L	98
30) 1,1,1-Trichloroethane	4.513	97	424322	95.249	ug/L	99
31) Carbon tetrachloride	4.735	117	385957	92.969	ug/L	100
33) Benzene	5.008	78	938434	98.917	ug/L	100
34) Trichloroethene	5.831	95	259679	97.109	ug/L	98
35) Methylcyclohexane	6.050	83	369243	95.002	ug/L	99
37) 1,2-Dichloropropane	6.092	63	227952	97.891	ug/L	99
38) Bromodichloromethane	6.429	83	353504	97.704	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	403800	100.725	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	533189	209.331	ug/L	98
42) Toluene	7.313	91	1052650	100.138	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	420227	104.317	ug/L	99

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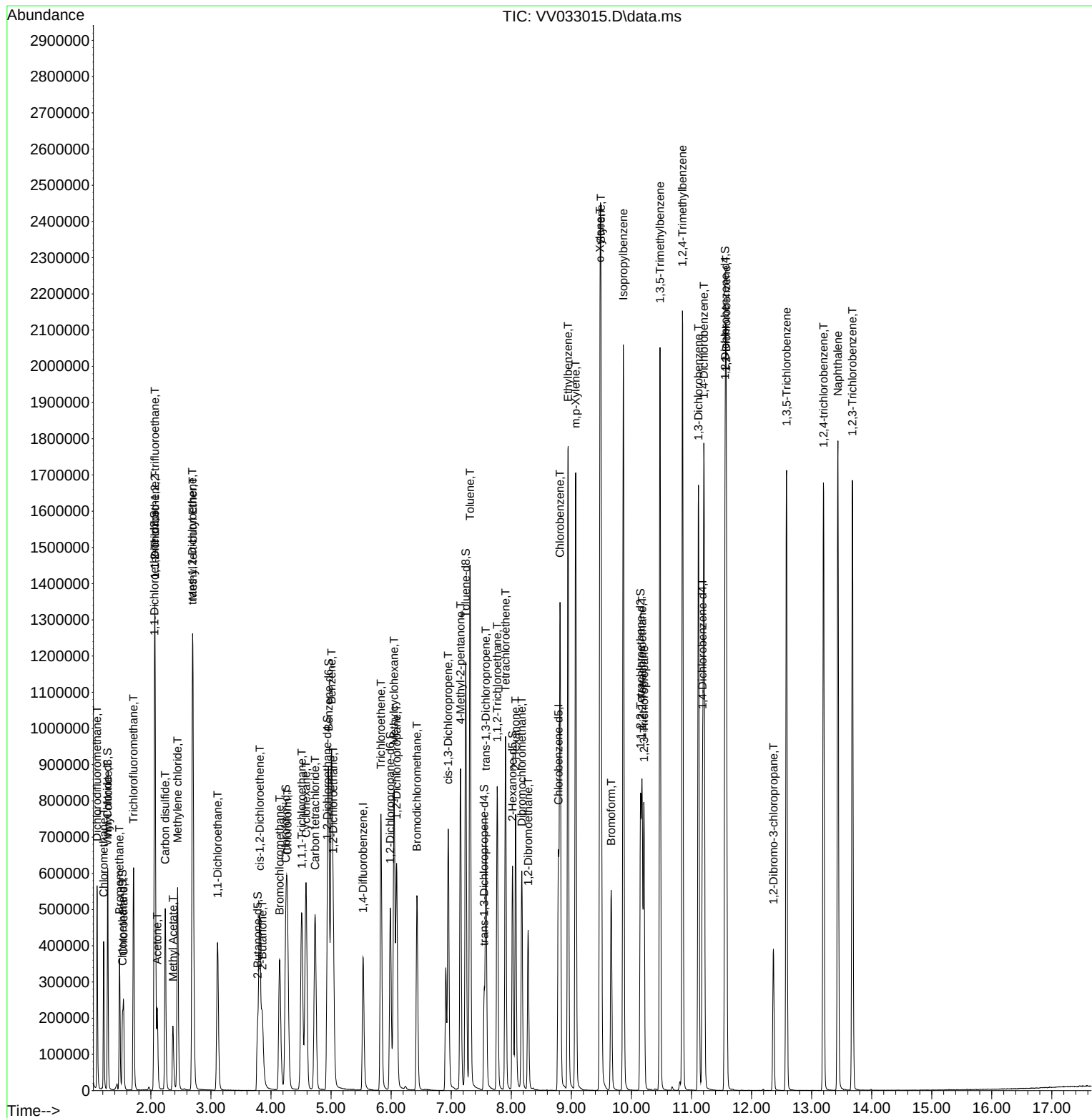
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	256245	97.711	ug/L	99
46) Tetrachloroethene	7.905	164	221985	95.259	ug/L	98
48) 2-Hexanone	8.072	43	430979	213.875	ug/L	99
49) Dibromochloromethane	8.175	129	300994	99.584	ug/L	100
50) 1,2-Dibromoethane	8.281	107	274307	99.872	ug/L	98
51) Chlorobenzene	8.812	112	718576	96.330	ug/L	99
52) Ethylbenzene	8.947	91	1208410	100.137	ug/L	99
53) m,p-Xylene	9.072	106	476616	100.525	ug/L	97
54) o-Xylene	9.477	106	475104	104.100	ug/L	100
55) Styrene	9.493	104	850785	104.502	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	373899	100.927	ug/L	100
59) Bromoform	9.664	173	246856	97.122	ug/L	100
60) Isopropylbenzene	9.866	105	1288005	97.418	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	295010	93.765	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	1064479	100.349	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	1129777	101.664	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	671465	94.793	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	699113	92.850	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	675821	95.082	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	91428	99.891	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	531276	96.471	ug/L	100
70) 1,2,4-trichlorobenzene	13.201	180	506199	100.299	ug/L	99
71) Naphthalene	13.439	128	1368991	109.669	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	500960	102.379	ug/L	99

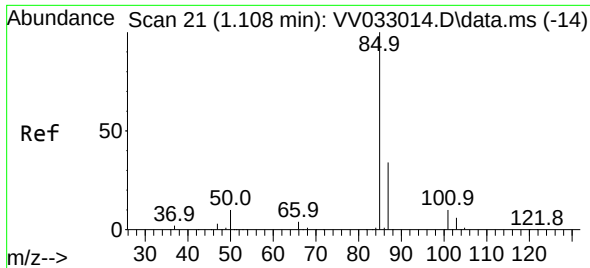
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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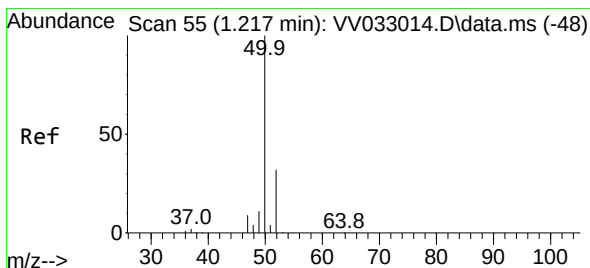
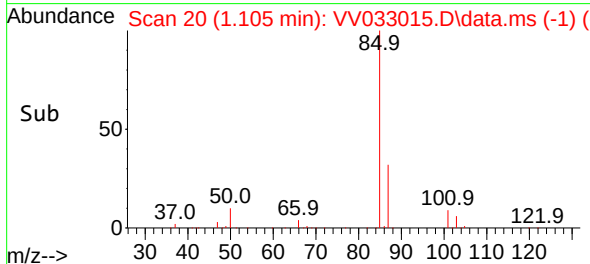
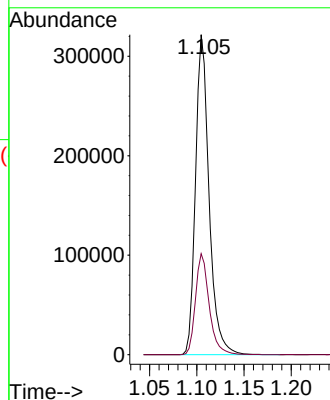
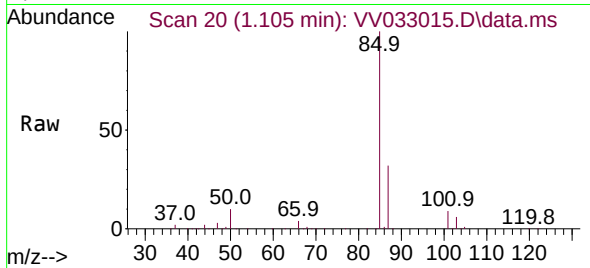




#2
 Dichlorodifluoromethane
 Concen: 87.735 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV033015.D
 Acq: 20 Nov 2023 10:41

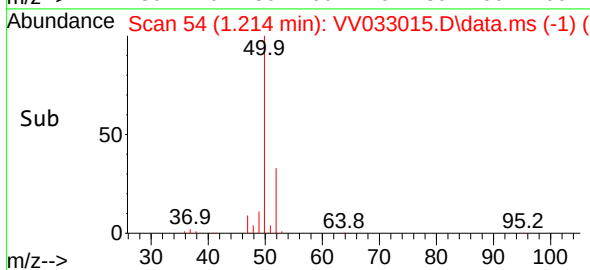
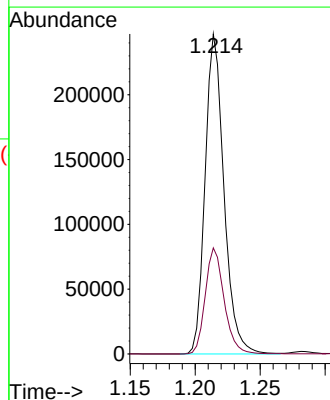
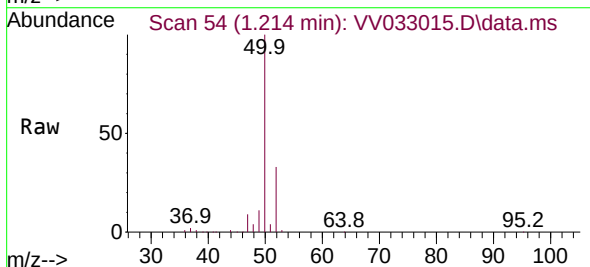
Instrument :
 MSVOA_V
 ClientSampleId :

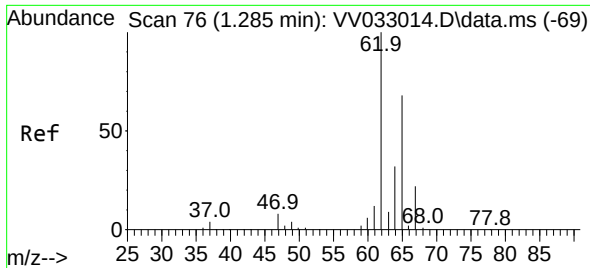
Tgt Ion: 85 Resp: 320386
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.8 40.2



#3
 Chloromethane
 Concen: 91.545 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV033015.D
 Acq: 20 Nov 2023 10:41

Tgt Ion: 50 Resp: 249482
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.7 42.3

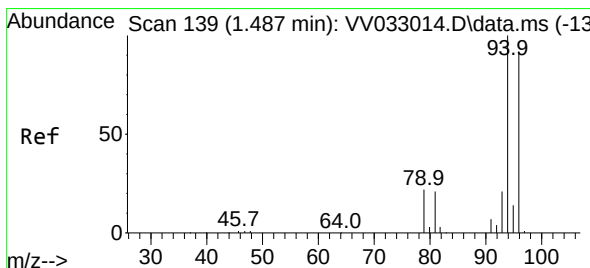
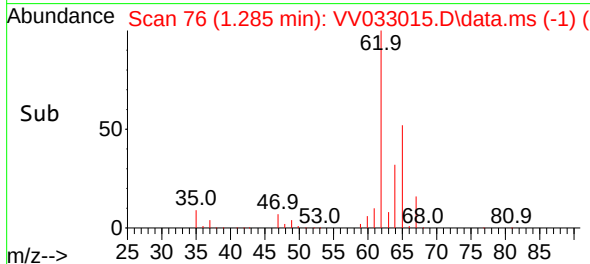
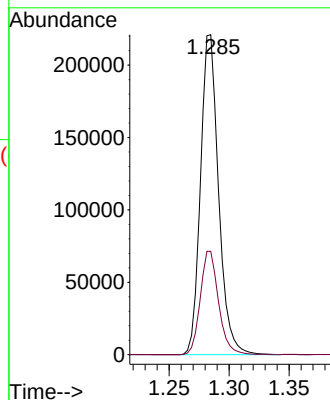
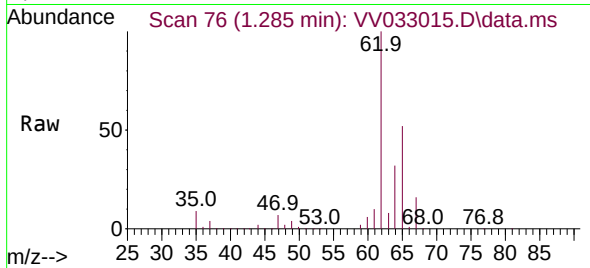




#5
 Vinyl chloride
 Concen: 91.848 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033015.D
 Acq: 20 Nov 2023 10:41

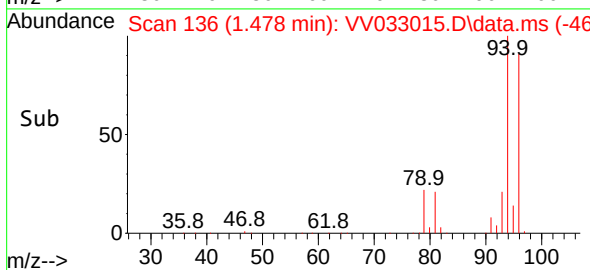
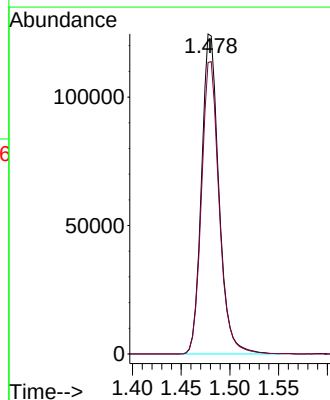
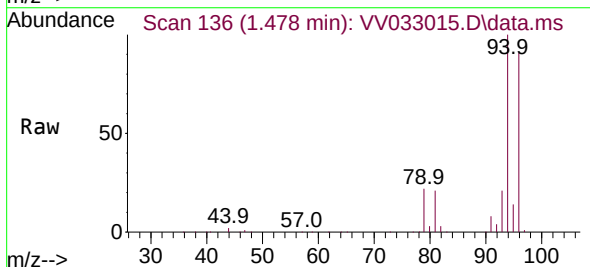
Instrument :
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 ClientSampleId :

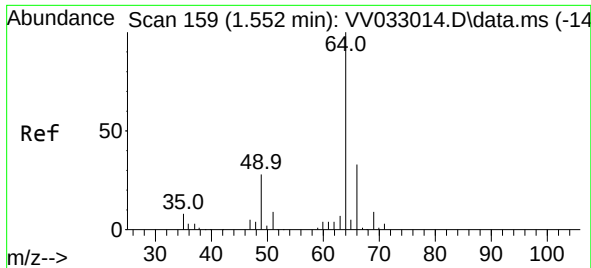
Tgt Ion: 62 Resp: 232194
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.7 42.1



#6
 Bromomethane
 Concen: 92.679 ug/L
 RT: 1.478 min Scan# 136
 Delta R.T. -0.010 min
 Lab File: VV033015.D
 Acq: 20 Nov 2023 10:41

Tgt Ion: 94 Resp: 154820
 Ion Ratio Lower Upper
 94 100
 96 91.1 64.4 119.6

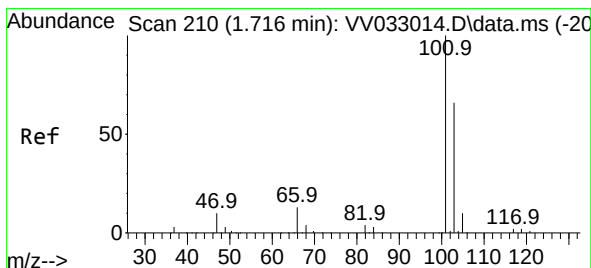
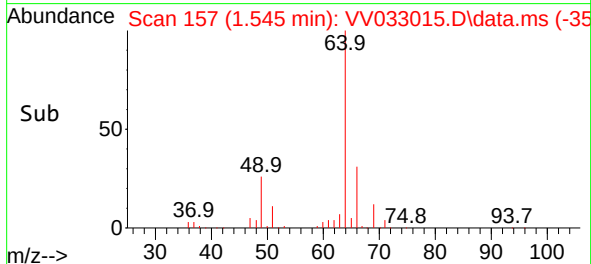
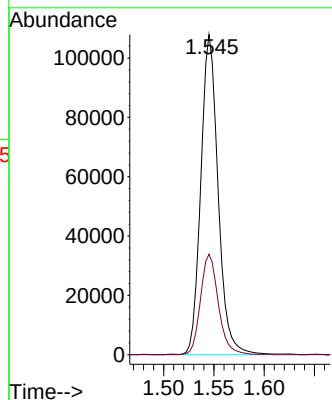
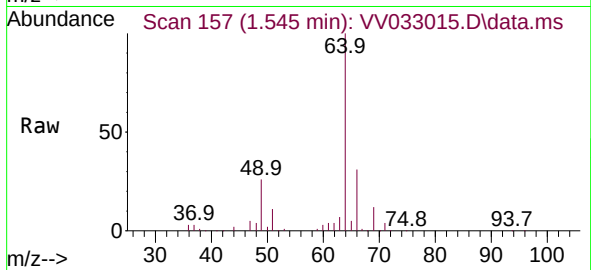




#8
Chloroethane
Concen: 92.234 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.007 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

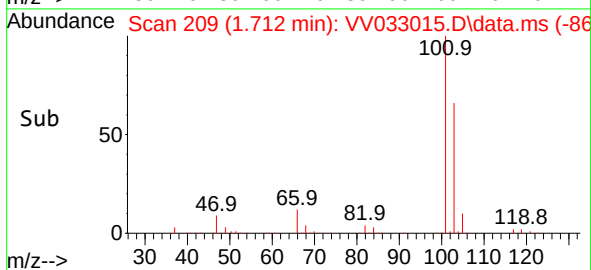
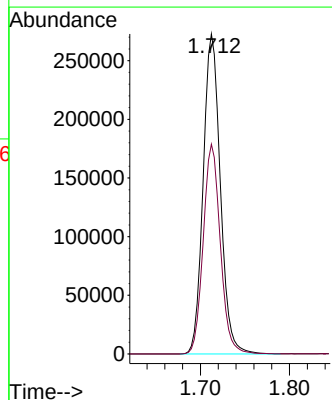
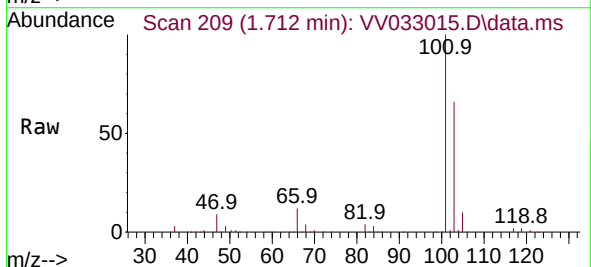
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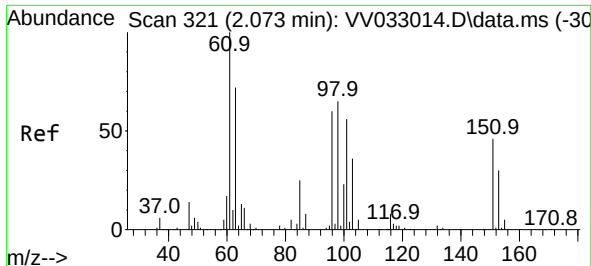
Tgt Ion: 64 Resp: 128968
Ion Ratio Lower Upper
64 100
66 31.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 89.282 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 101 Resp: 365408
Ion Ratio Lower Upper
101 100
103 65.3 52.1 78.1

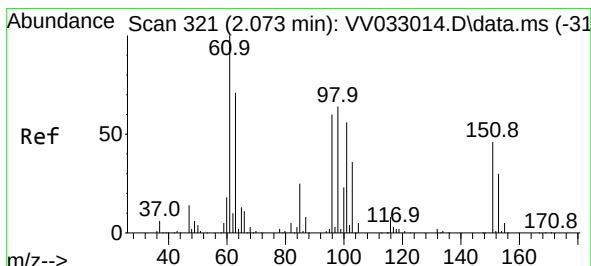
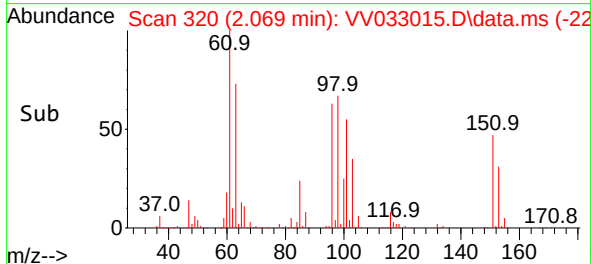
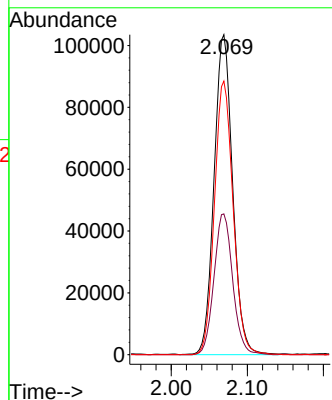
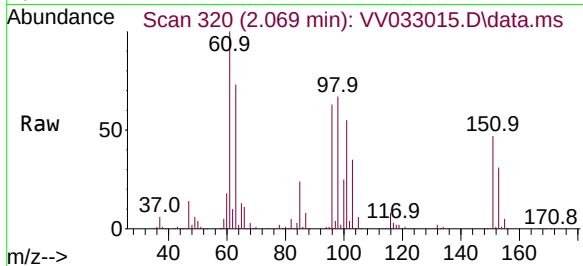




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 87.171 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV033015.D
 Acq: 20 Nov 2023 10:41

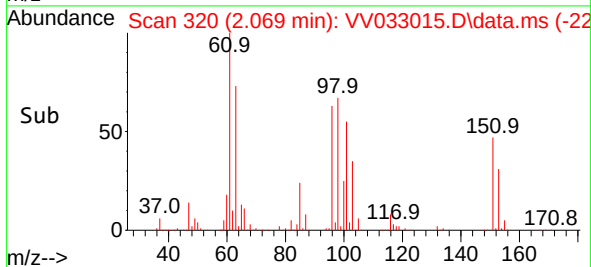
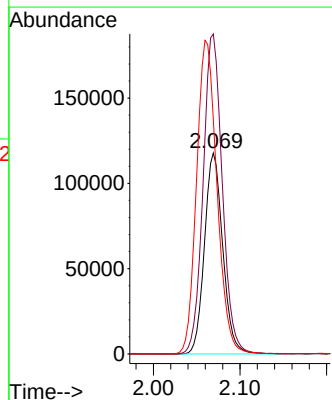
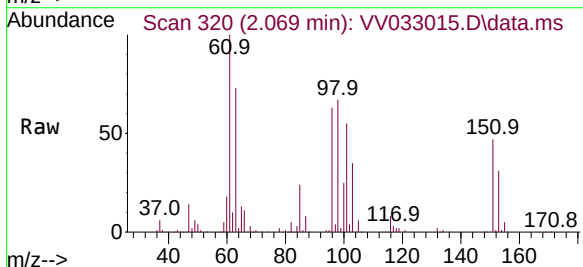
Instrument :
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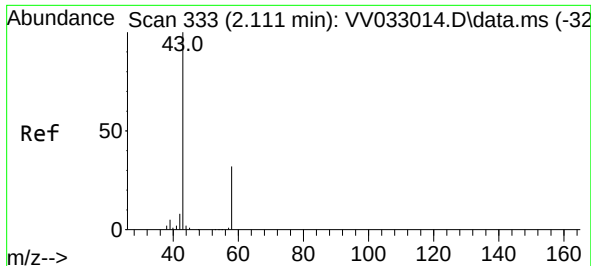
Tgt Ion:101 Resp: 175917
 Ion Ratio Lower Upper
 101 100
 85 44.4 35.5 53.3
 151 86.0 67.0 100.4



#12
 1,1-Dichloroethene
 Concen: 92.749 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV033015.D
 Acq: 20 Nov 2023 10:41

Tgt Ion: 96 Resp: 172822
 Ion Ratio Lower Upper
 96 100
 61 159.3 116.6 216.6
 63 116.7 84.8 157.4





#13

Acetone

Concen: 182.347 ug/L

RT: 2.108 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

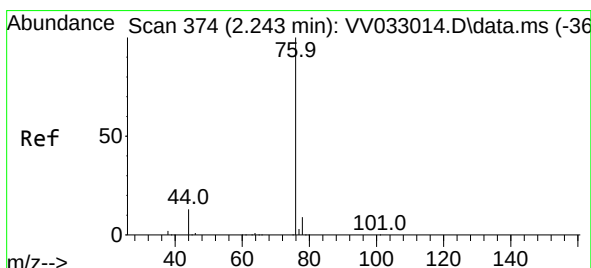
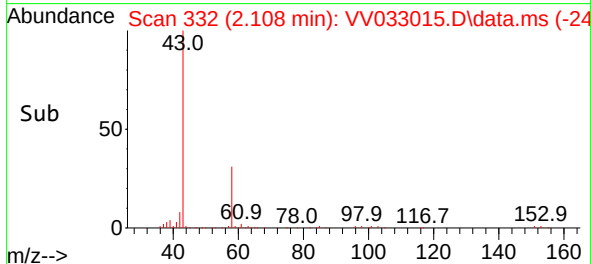
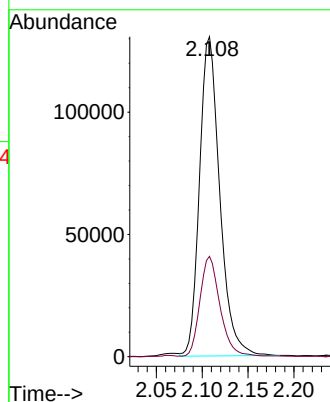
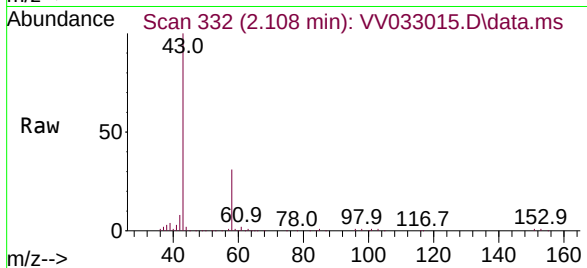
ClientSampleId :

Tgt Ion: 43 Resp: 200613

Ion Ratio Lower Upper

43 100

58 30.9 0.0 62.6



#14

Carbon disulfide

Concen: 92.961 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV033015.D

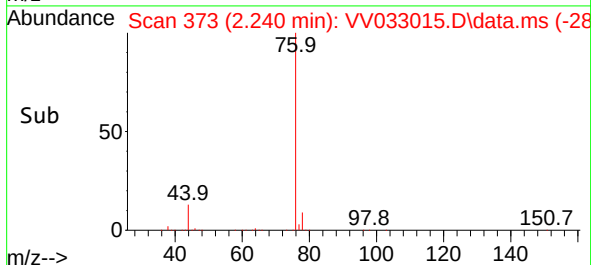
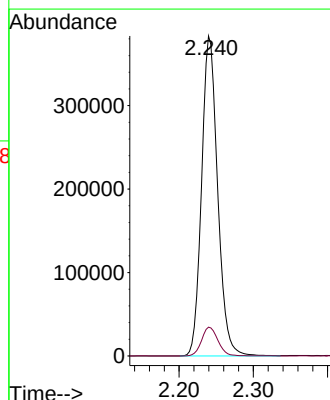
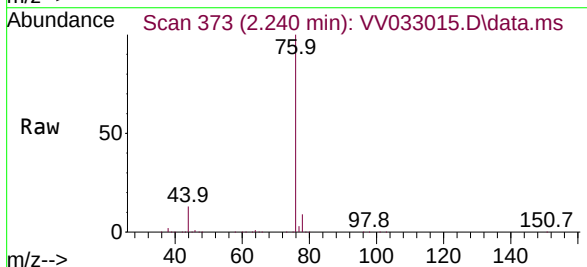
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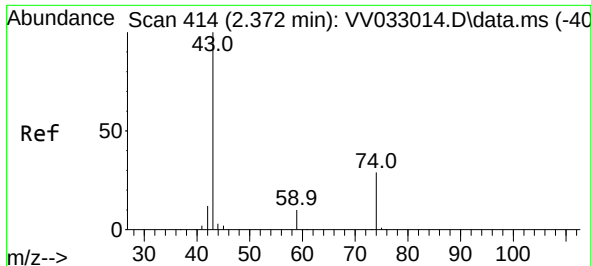
Tgt Ion: 76 Resp: 576101

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

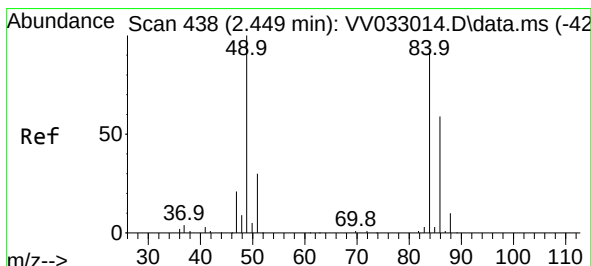
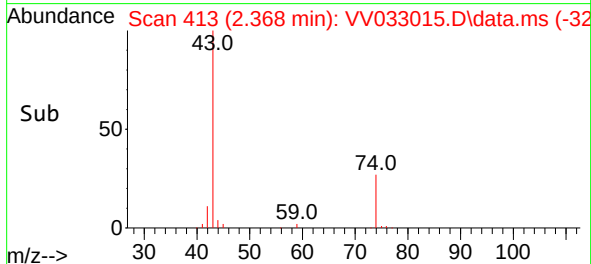
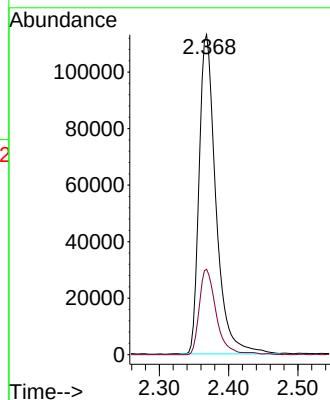
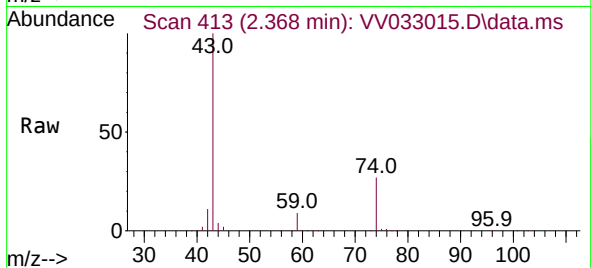




#15
Methyl Acetate
Concen: 98.619 ug/L
RT: 2.368 min Scan# 414
Delta R.T. -0.003 min
Lab File: VV033015.D
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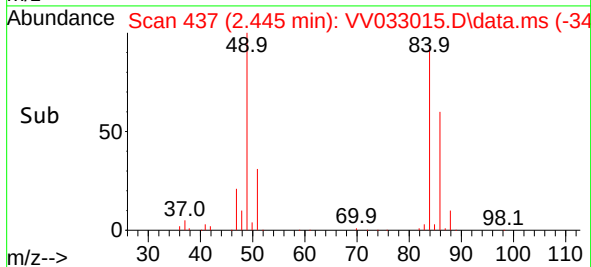
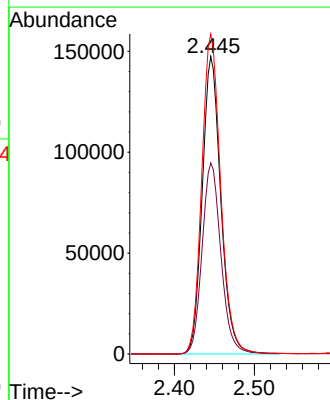
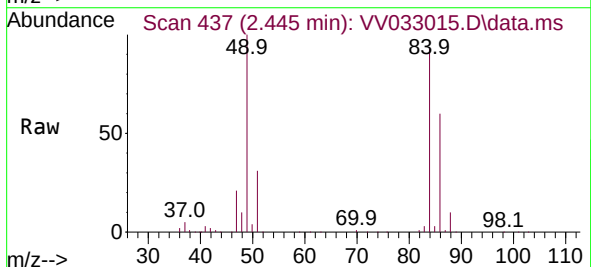
Instrument :
MSVOA_V
ClientSampleId :

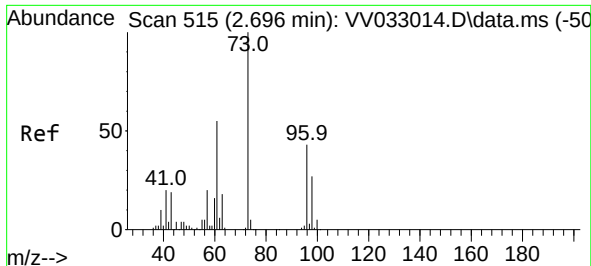
Tgt Ion: 43 Resp: 190211
Ion Ratio Lower Upper
43 100
74 26.7 22.7 34.1



#16
Methylene chloride
Concen: 90.433 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 84 Resp: 238732
Ion Ratio Lower Upper
84 100
86 64.3 44.7 83.1
49 107.6 76.6 142.3

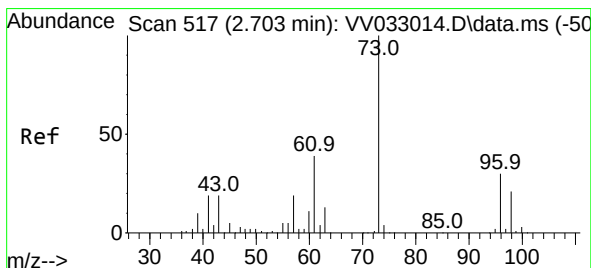
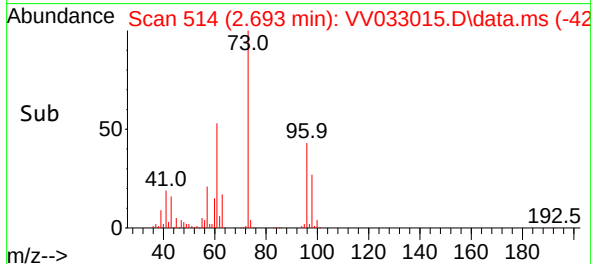
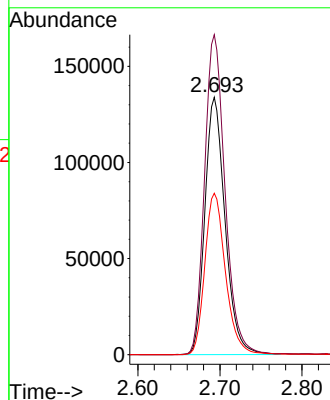
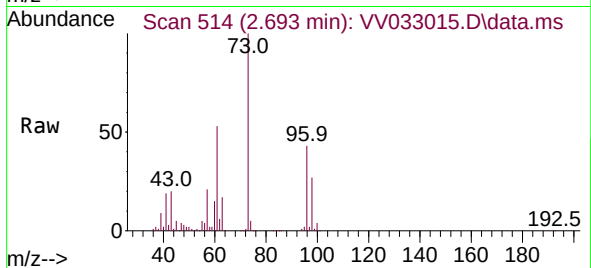




#17
trans-1,2-Dichloroethene
Concen: 96.012 ug/L
RT: 2.693 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

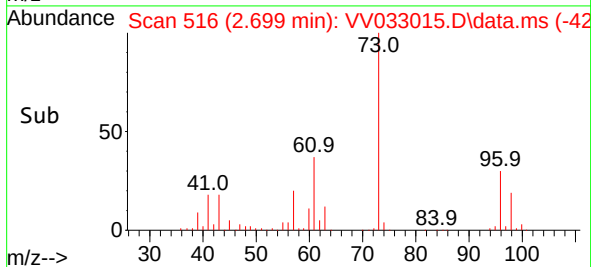
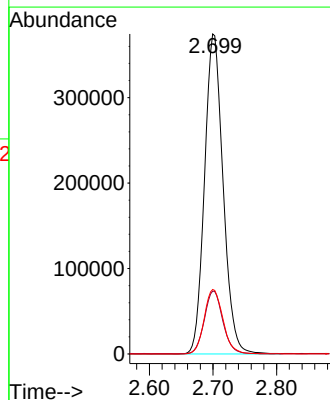
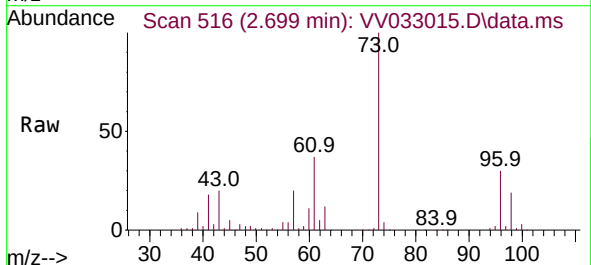
Instrument :
MSVOA_V
ClientSampleId :

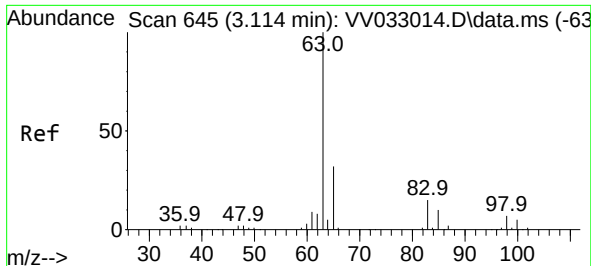
Tgt Ion: 96 Resp: 228955
Ion Ratio Lower Upper
96 100
61 124.3 89.5 166.3
98 62.7 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 101.484 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 73 Resp: 759147
Ion Ratio Lower Upper
73 100
43 19.4 15.2 22.8
57 20.3 15.8 23.8





#19

1,1-Dichloroethane

Concen: 94.342 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

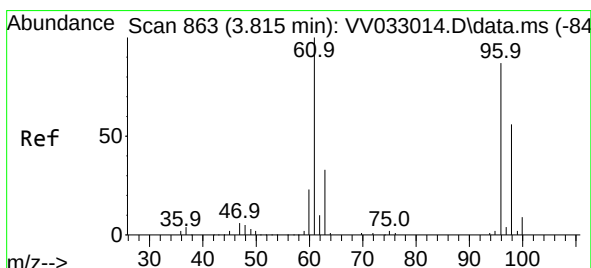
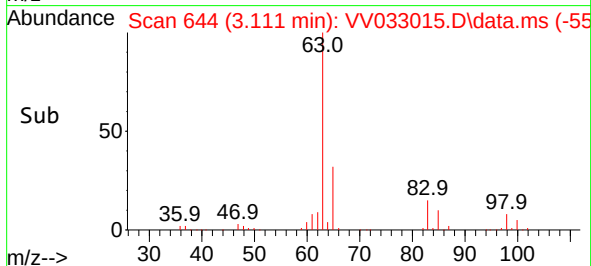
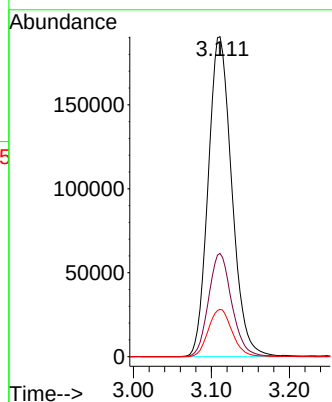
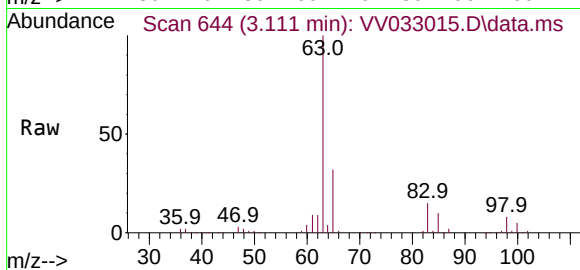
Tgt Ion: 63 Resp: 401870

Ion Ratio Lower Upper

63 100

65 32.3 22.4 41.6

83 14.8 10.7 19.9



#20

cis-1,2-Dichloroethene

Concen: 98.921 ug/L

RT: 3.812 min Scan# 862

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

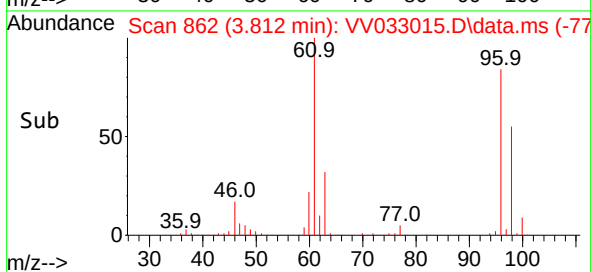
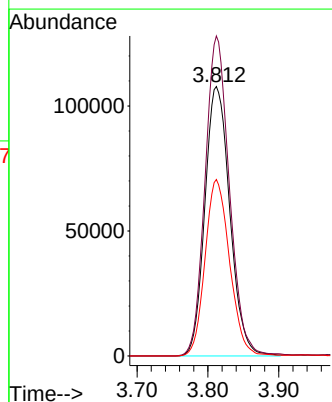
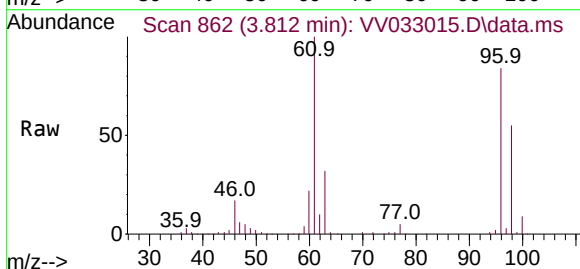
Tgt Ion: 96 Resp: 264487

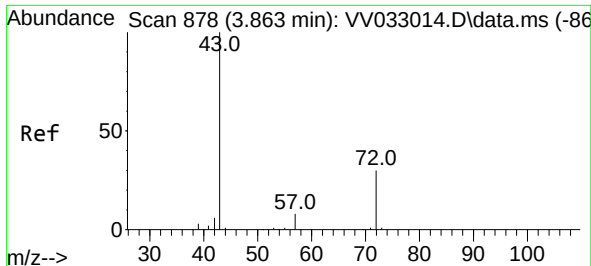
Ion Ratio Lower Upper

96 100

61 118.8 80.2 149.0

98 65.5 45.1 83.7

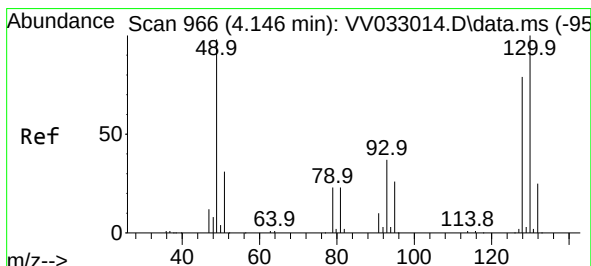
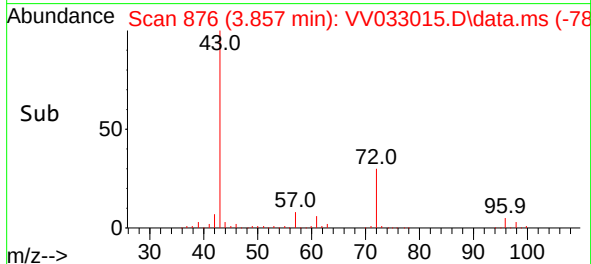
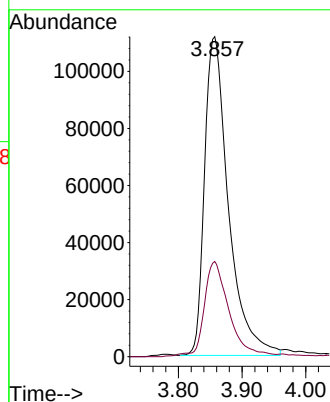
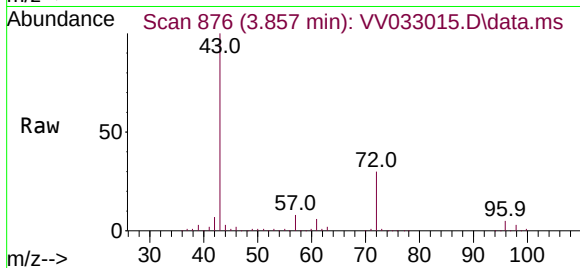




#22
2-Butanone
Concen: 207.630 ug/L
RT: 3.857 min Scan# 81
Delta R.T. -0.007 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

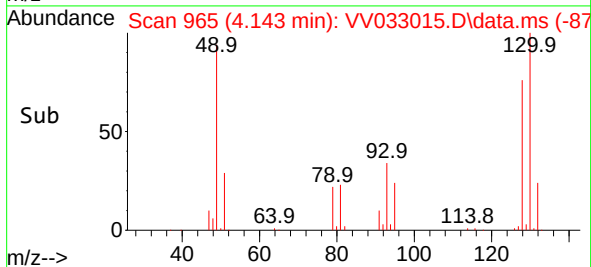
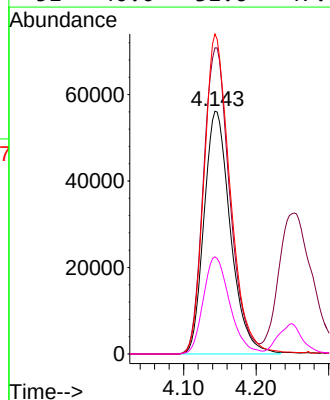
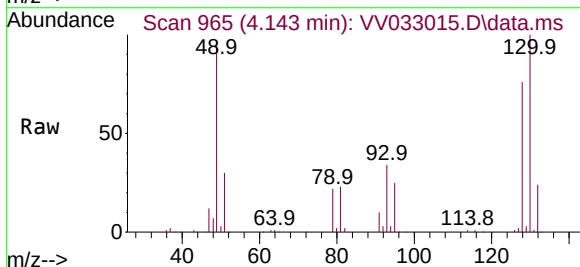
Instrument :
MSVOA_V
ClientSampleId :

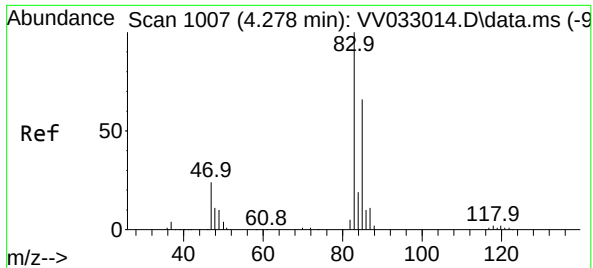
Tgt Ion: 43 Resp: 291711
Ion Ratio Lower Upper
43 100
72 28.9 13.9 41.7



#23
Bromochloromethane
Concen: 96.445 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion:128 Resp: 141834
Ion Ratio Lower Upper
128 100
49 126.1 87.1 161.7
130 131.8 88.1 163.5
51 40.0 31.6 47.4

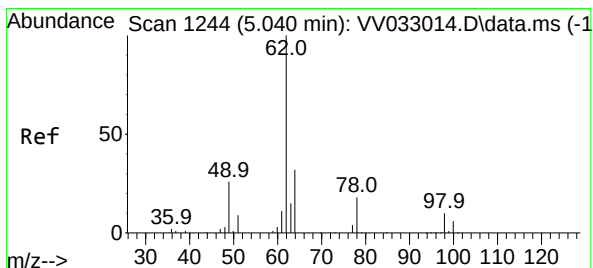
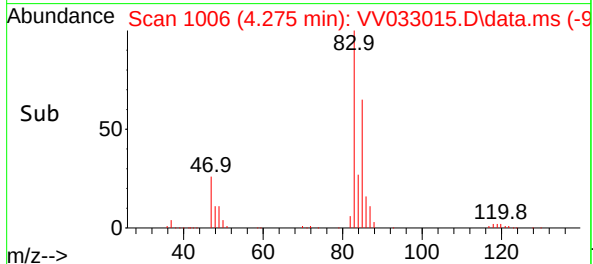
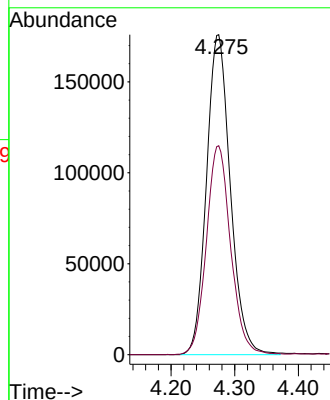
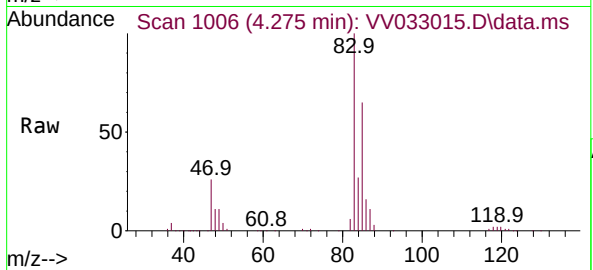




#25
Chloroform
Concen: 95.663 ug/L
RT: 4.275 min Scan# 10
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

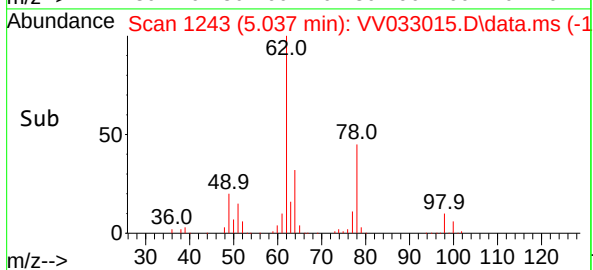
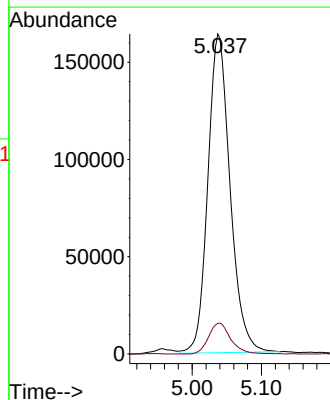
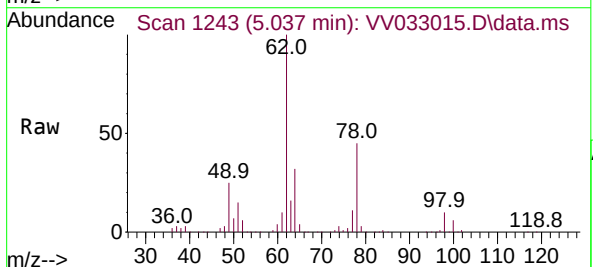
Instrument :
MSVOA_V
ClientSampleId :

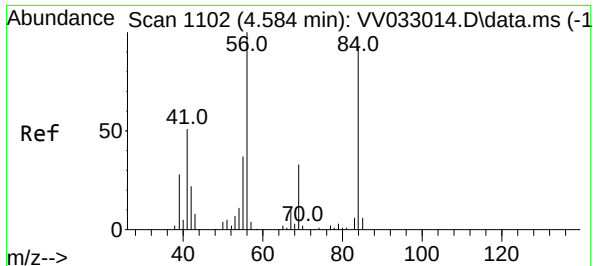
Tgt Ion: 83 Resp: 458652
Ion Ratio Lower Upper
83 100
85 65.3 46.2 85.8



#27
1,2-Dichloroethane
Concen: 97.588 ug/L
RT: 5.037 min Scan# 1243
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 62 Resp: 365001
Ion Ratio Lower Upper
62 100
98 9.6 8.3 12.5





#29

Cyclohexane

Concen: 95.658 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

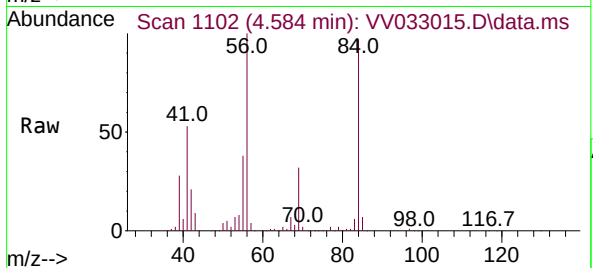
Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :



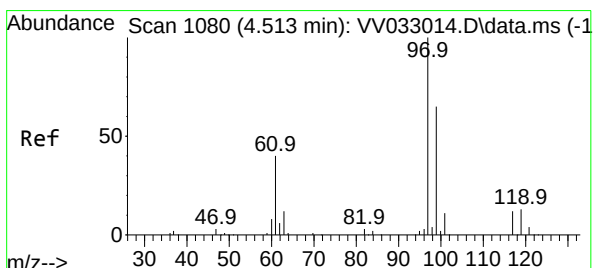
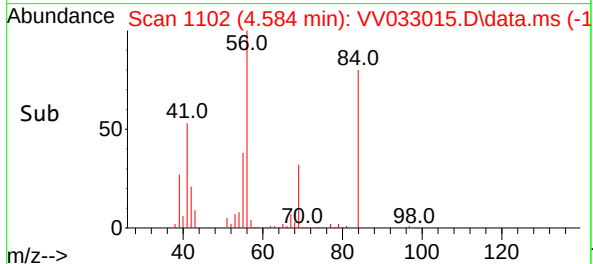
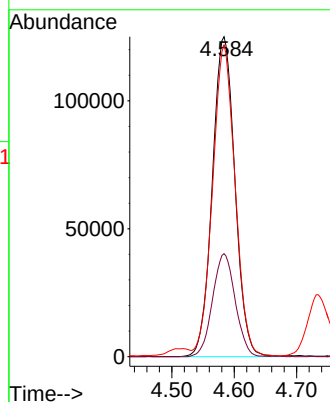
Tgt Ion: 56 Resp: 314786

Ion Ratio Lower Upper

56 100

69 32.3 26.7 40.1

84 96.1 78.1 117.1



#30

1,1,1-Trichloroethane

Concen: 95.249 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

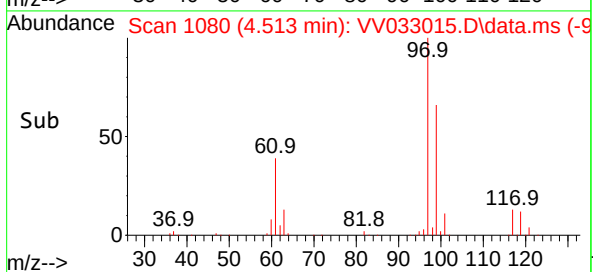
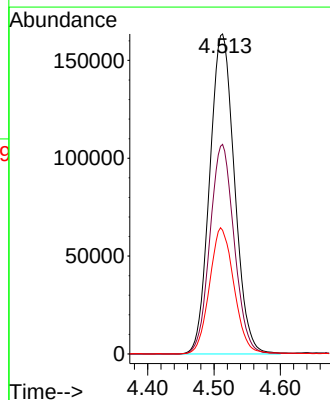
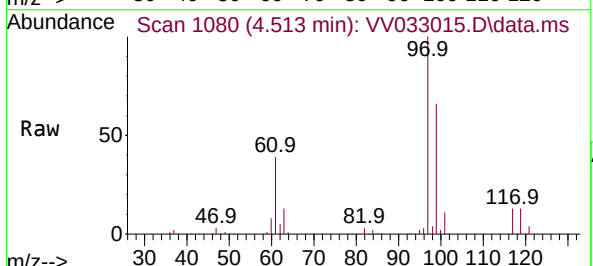
Tgt Ion: 97 Resp: 424322

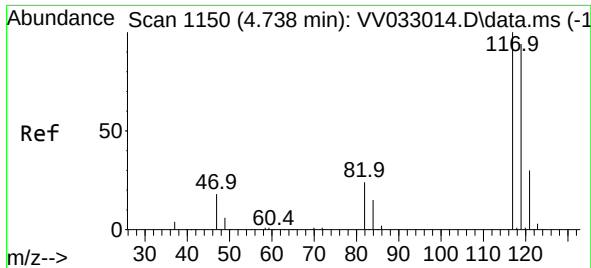
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 39.0 32.1 48.1

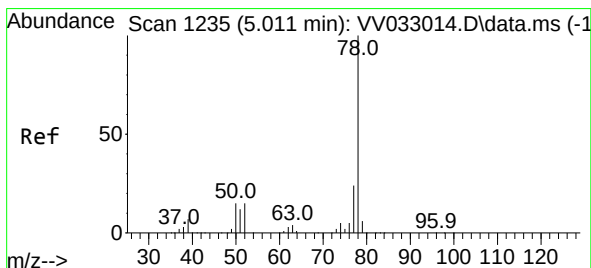
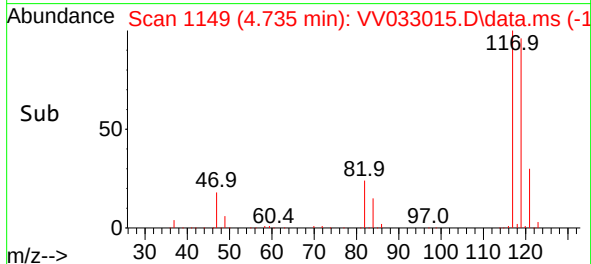
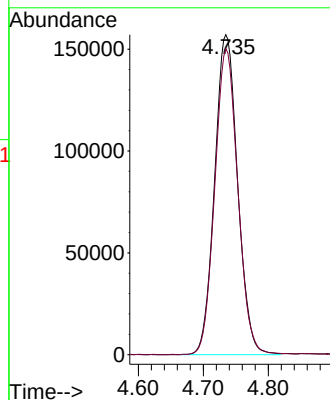
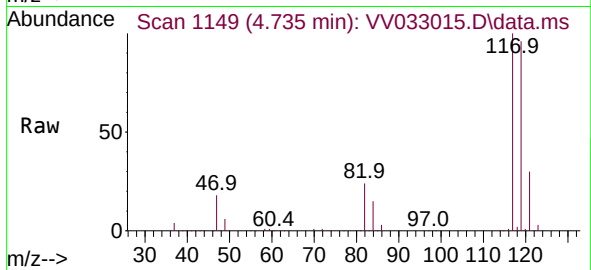




#31
Carbon tetrachloride
Concen: 92.969 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

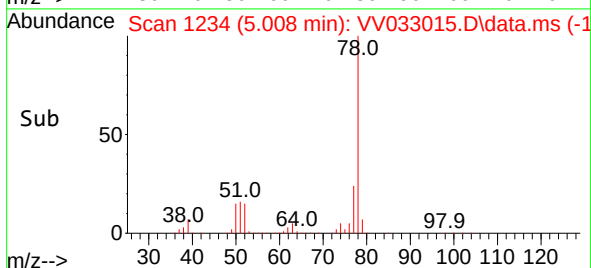
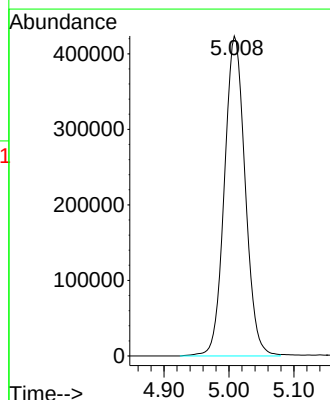
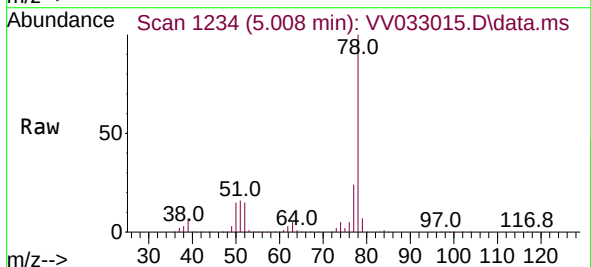
Instrument :
MSVOA_V
ClientSampleId :

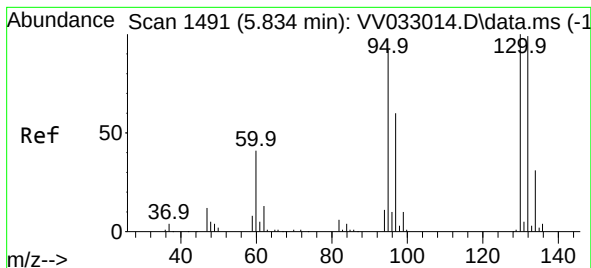
Tgt Ion:117 Resp: 385957
Ion Ratio Lower Upper
117 100
119 95.5 76.5 114.7



#33
Benzene
Concen: 98.917 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 78 Resp: 938434





#34

Trichloroethene

Concen: 97.109 ug/L

RT: 5.831 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 259679

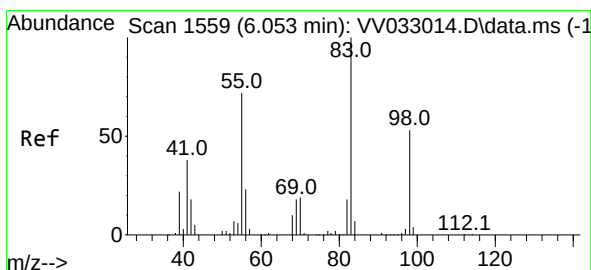
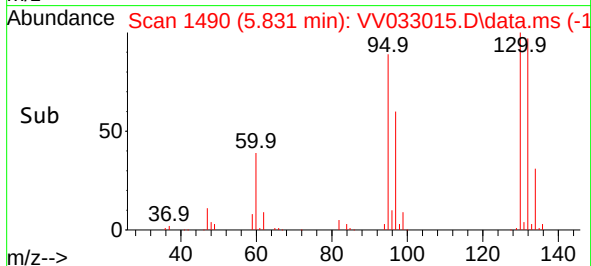
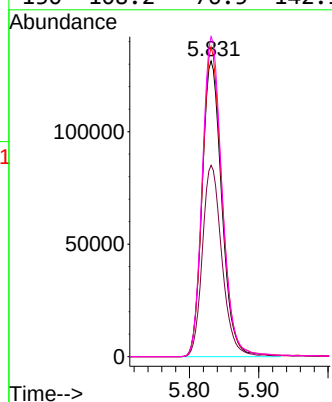
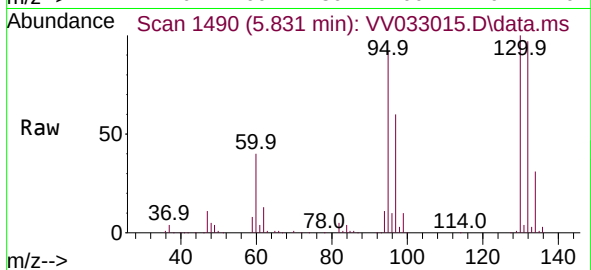
Ion Ratio Lower Upper

95 100

97 64.7 46.0 85.4

132 104.8 76.0 141.2

130 108.2 76.5 142.1



#35

Methylcyclohexane

Concen: 95.002 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

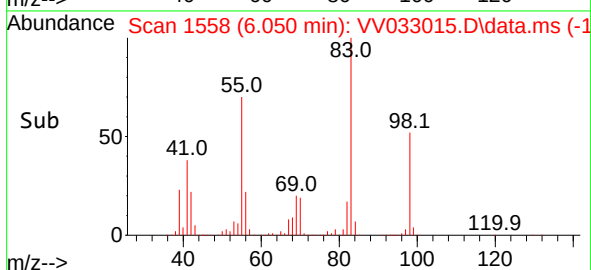
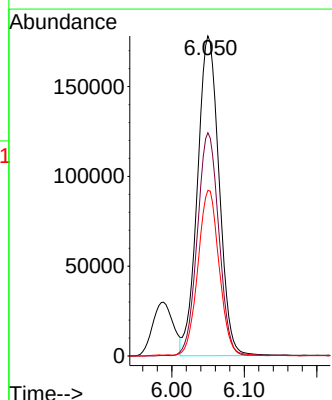
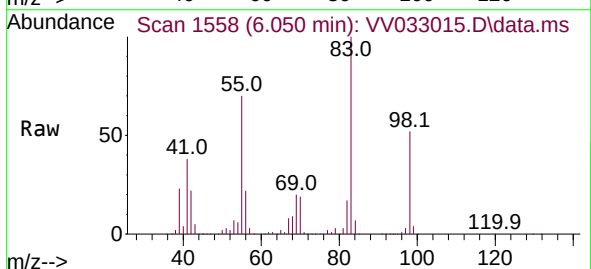
Tgt Ion: 83 Resp: 369243

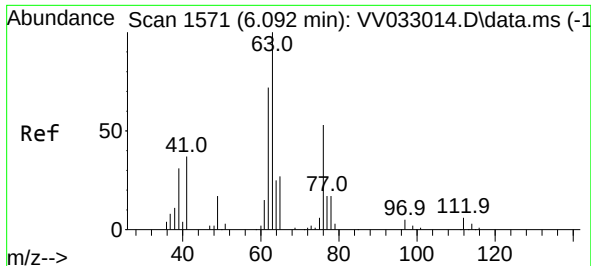
Ion Ratio Lower Upper

83 100

55 68.8 56.3 84.5

98 51.1 40.5 60.7





#37

1,2-Dichloropropane

Concen: 97.891 ug/L

RT: 6.092 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

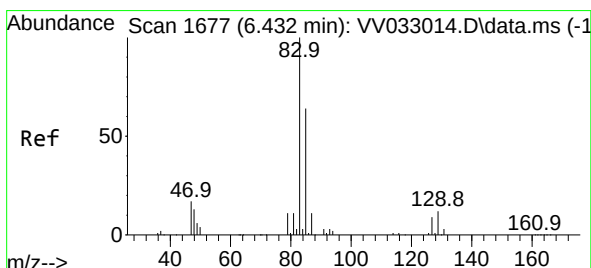
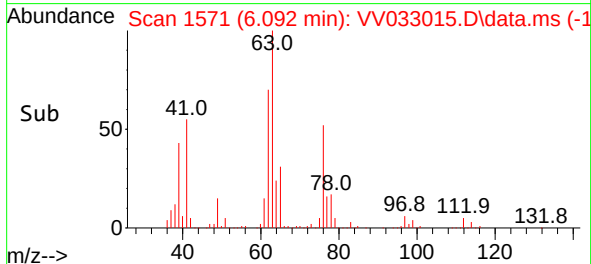
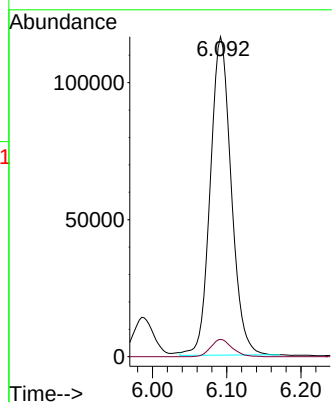
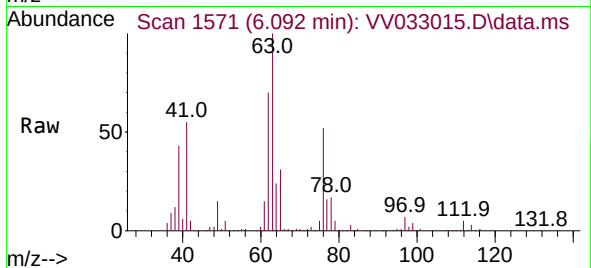
ClientSampleId :

Tgt Ion: 63 Resp: 227952

Ion Ratio Lower Upper

63 100

112 5.5 4.6 7.0



#38

Bromodichloromethane

Concen: 97.704 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

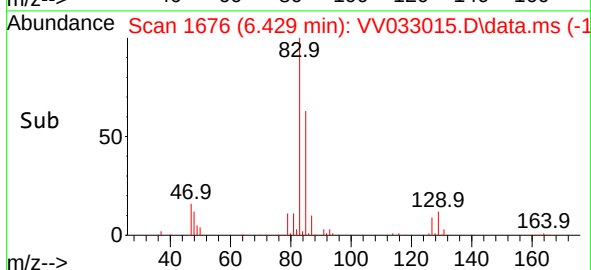
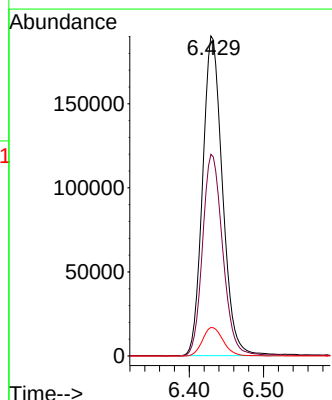
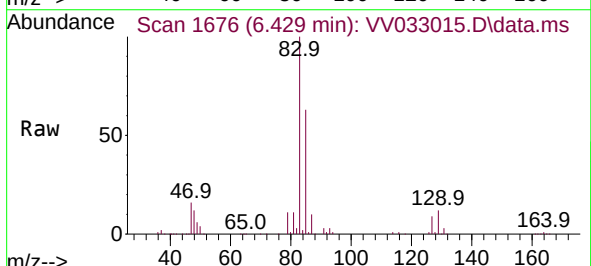
Tgt Ion: 83 Resp: 353504

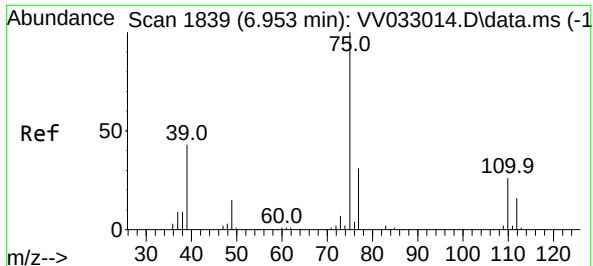
Ion Ratio Lower Upper

83 100

85 63.0 44.7 83.1

127 8.9 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 100.725 ug/L

RT: 6.950 min Scan# 1839

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

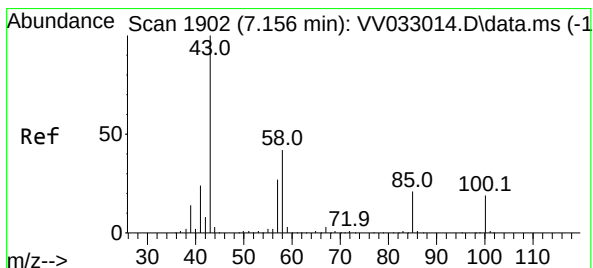
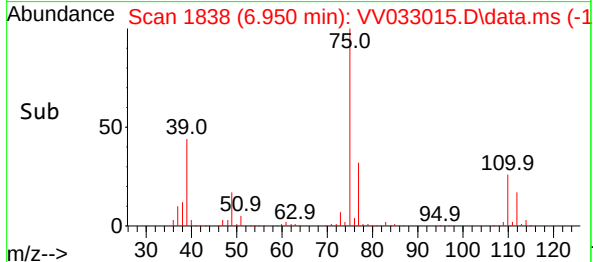
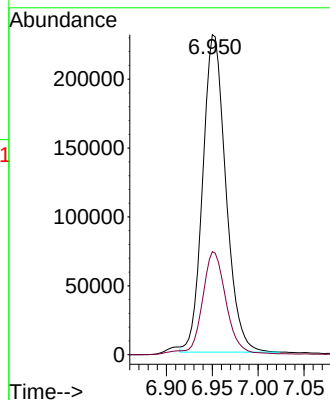
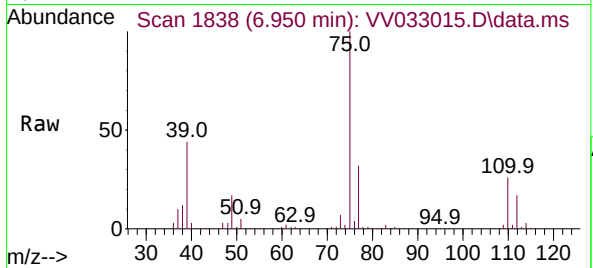
ClientSampleId :

Tgt Ion: 75 Resp: 403800

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 209.331 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

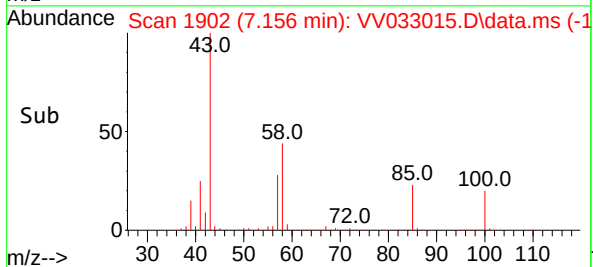
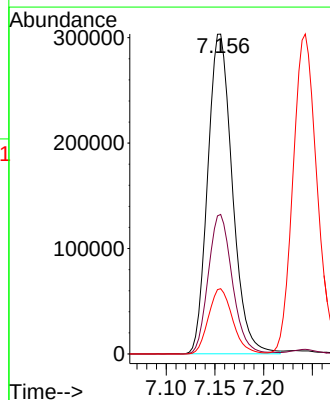
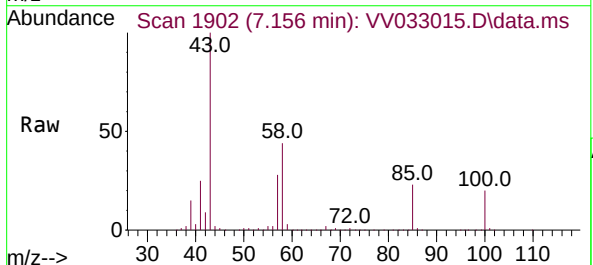
Tgt Ion: 43 Resp: 533189

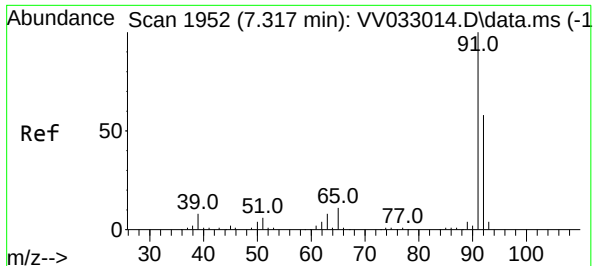
Ion Ratio Lower Upper

43 100

58 42.9 33.2 49.8

100 20.0 14.9 22.3

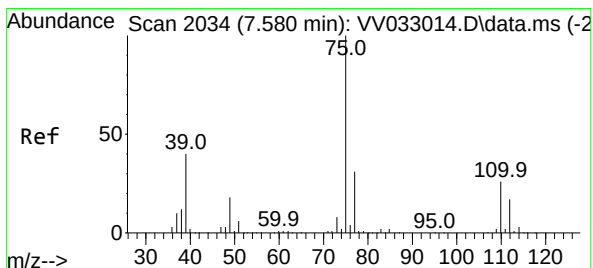
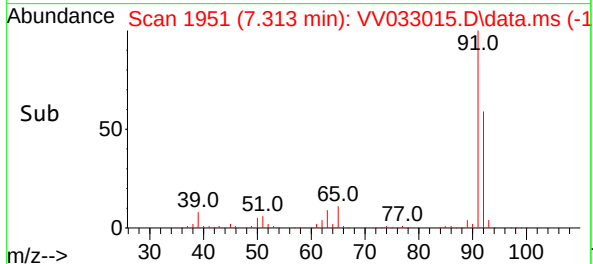
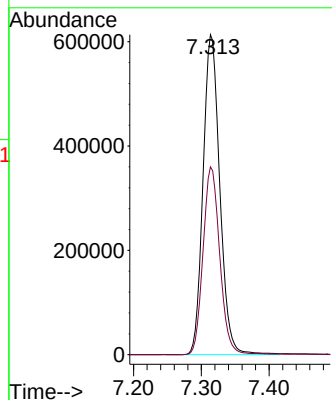
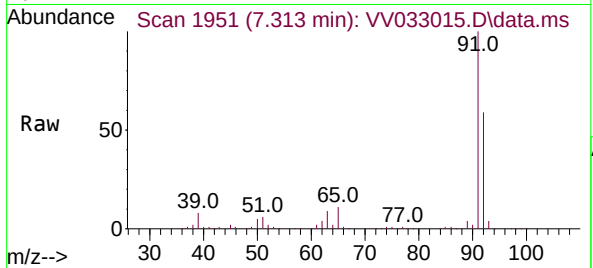




#42
Toluene
Concen: 100.138 ug/L
RT: 7.313 min Scan# 1952
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

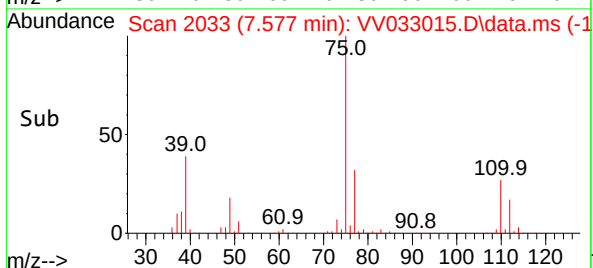
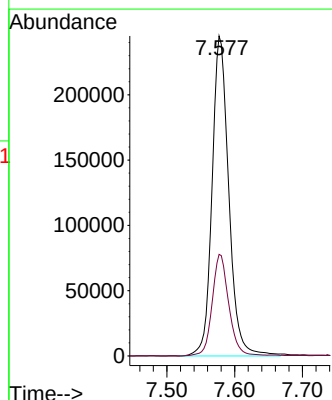
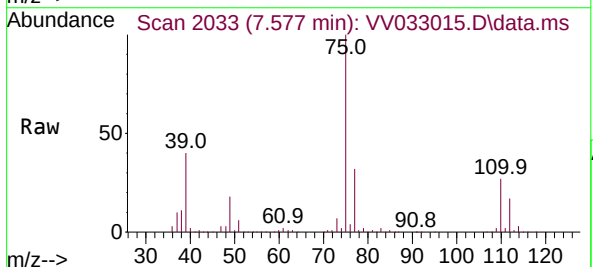
Instrument :
MSVOA_V
ClientSampleId :

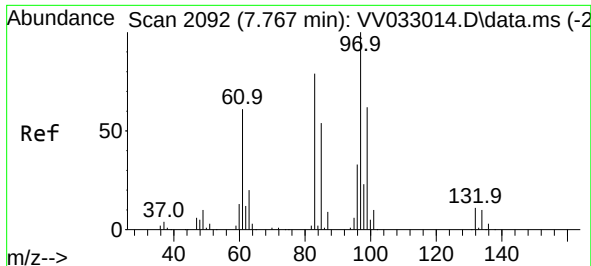
Tgt Ion: 91 Resp: 1052650
Ion Ratio Lower Upper
91 100
92 58.7 40.9 75.9



#44
trans-1,3-Dichloropropene
Concen: 104.317 ug/L
RT: 7.577 min Scan# 2033
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 75 Resp: 420227
Ion Ratio Lower Upper
75 100
77 31.8 21.9 40.7

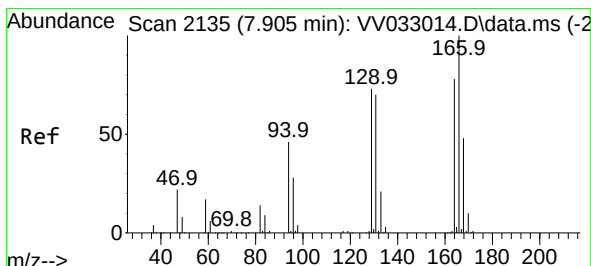
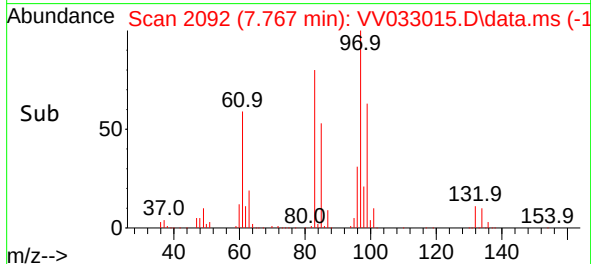
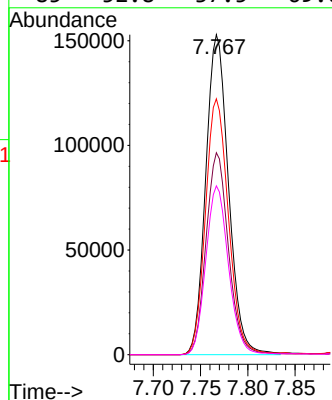
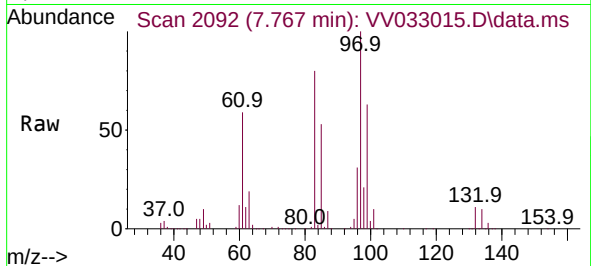




#45
1,1,2-Trichloroethane
Concen: 97.711 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

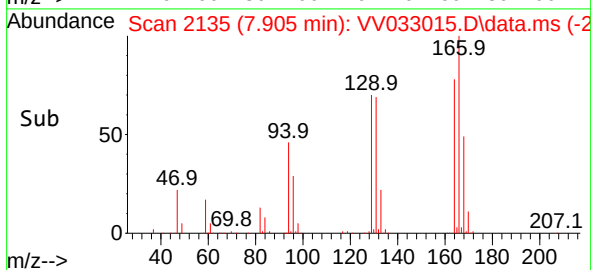
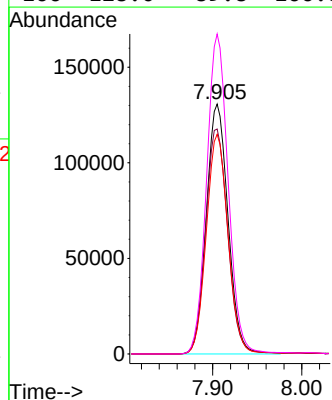
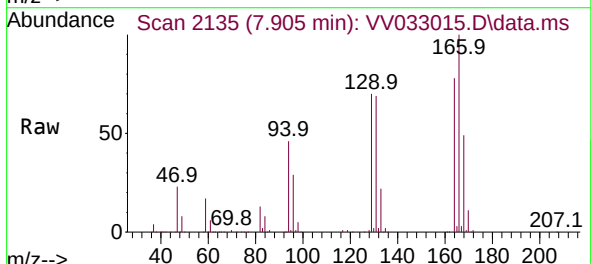
Instrument :
MSVOA_V
ClientSampleId :

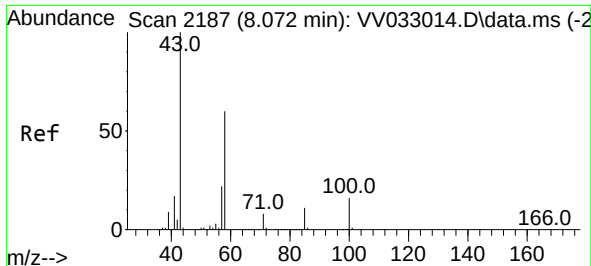
Tgt Ion:	97	Resp:	256245
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.5	80.9
83	79.9	55.6	103.2
85	52.8	37.5	69.6



#46
Tetrachloroethene
Concen: 95.259 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

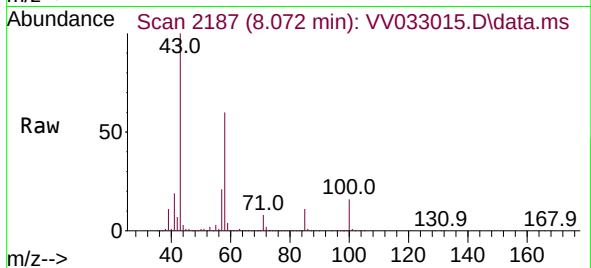
Tgt Ion:	164	Resp:	221985
Ion	Ratio	Lower	Upper
164	100		
129	90.0	65.7	122.1
131	87.9	62.5	116.1
166	128.0	89.8	166.8



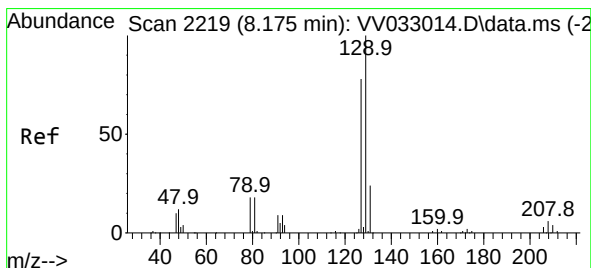
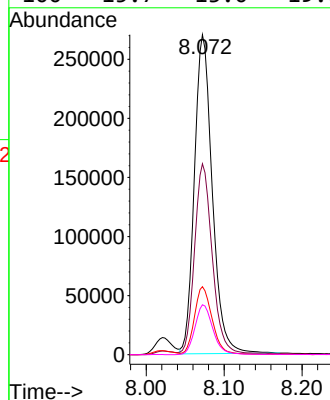
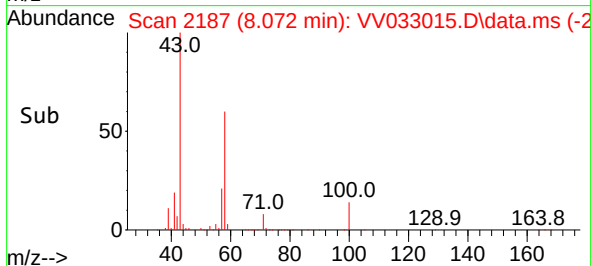


#48
2-Hexanone
Concen: 213.875 ug/L
RT: 8.072 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Instrument :
MSVOA_V
ClientSampleId :

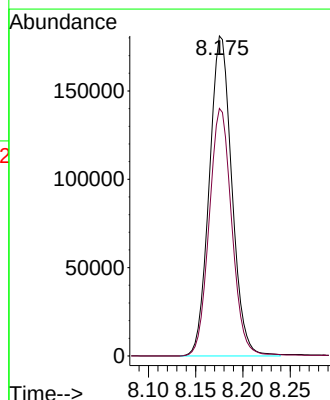
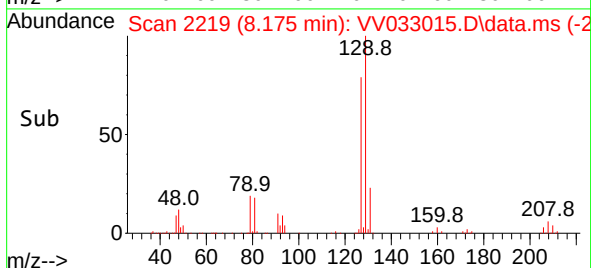
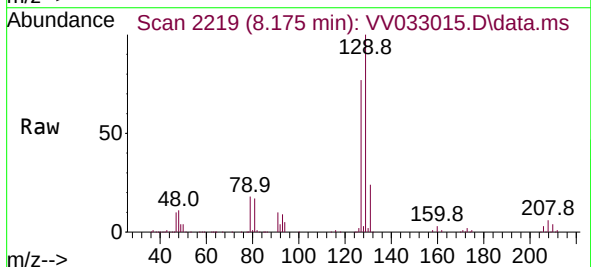


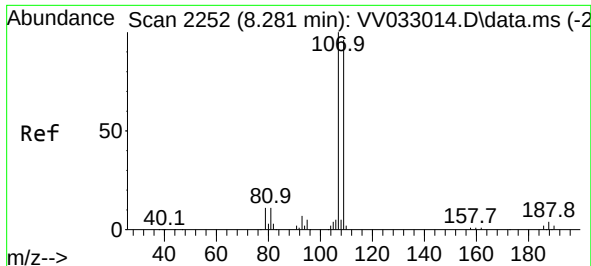
Tgt Ion: 43 Resp: 430979
Ion Ratio Lower Upper
43 100
58 58.2 47.0 70.6
57 21.3 17.0 25.6
100 15.7 13.0 19.6



#49
Dibromochloromethane
Concen: 99.584 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 129 Resp: 300994
Ion Ratio Lower Upper
129 100
127 77.3 54.4 101.0





#50

1,2-Dibromoethane

Concen: 99.872 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

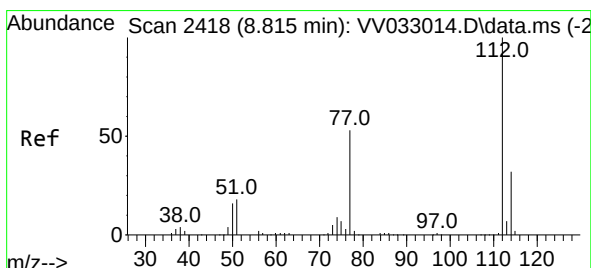
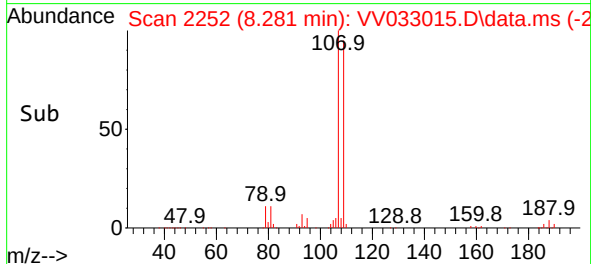
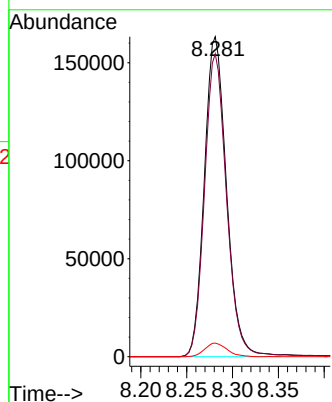
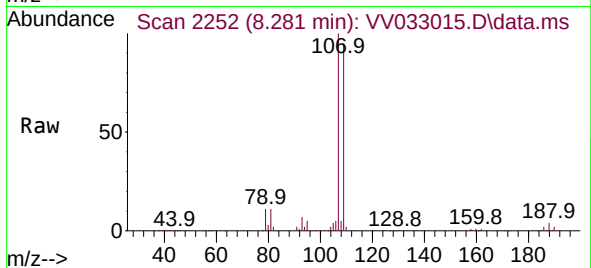
Tgt Ion:107 Resp: 274307

Ion Ratio Lower Upper

107 100

109 94.6 67.3 125.1

188 4.2 3.3 4.9



#51

Chlorobenzene

Concen: 96.330 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

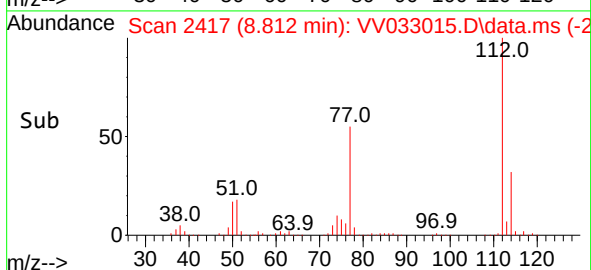
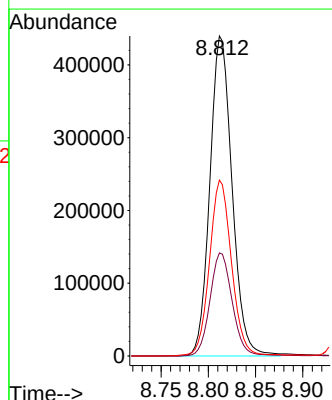
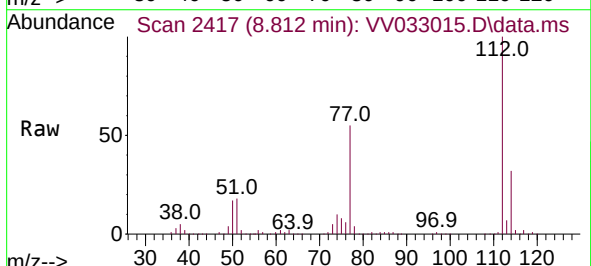
Tgt Ion:112 Resp: 718576

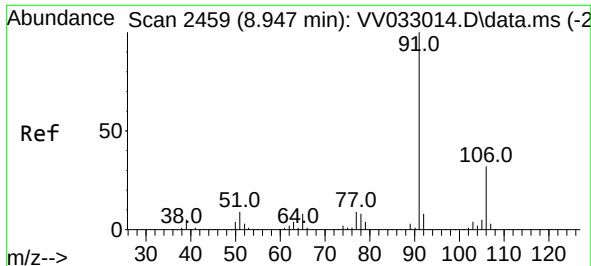
Ion Ratio Lower Upper

112 100

114 32.2 22.3 41.5

77 55.0 43.0 64.6

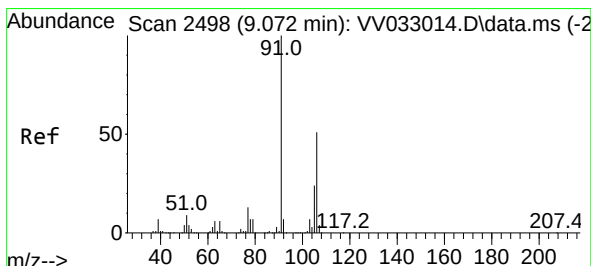
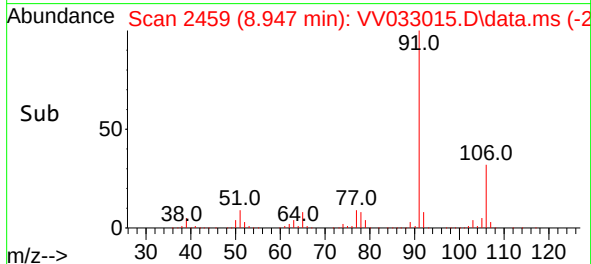
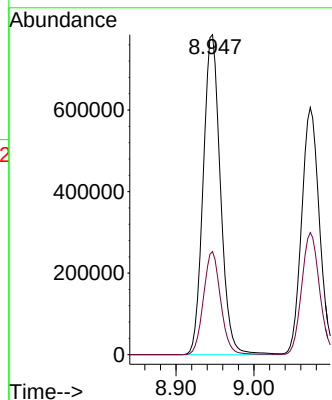
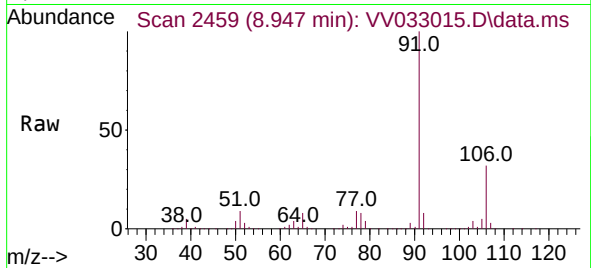




#52
Ethylbenzene
Concen: 100.137 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

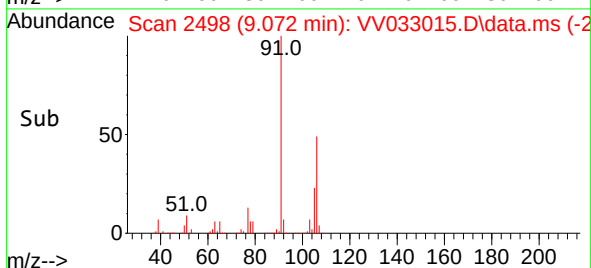
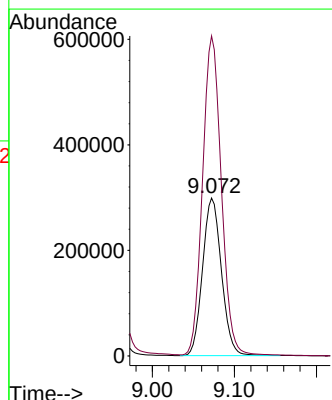
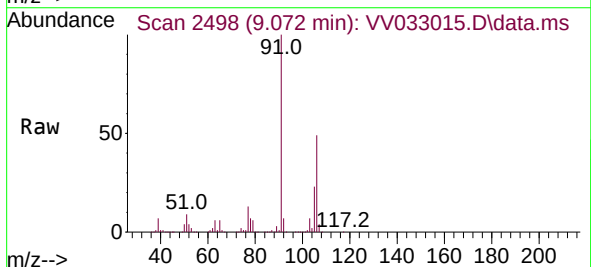
Instrument :
MSVOA_V
ClientSampleId :

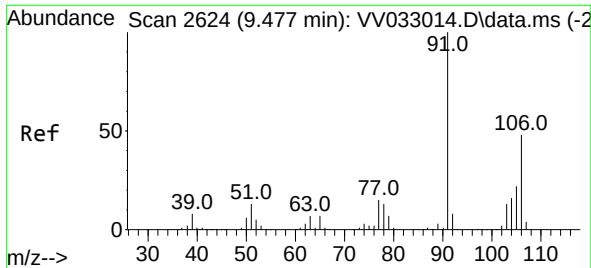
Tgt Ion: 91 Resp: 1208410
Ion Ratio Lower Upper
91 100
106 32.2 22.1 41.1



#53
m,p-Xylene
Concen: 100.525 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 106 Resp: 476616
Ion Ratio Lower Upper
106 100
91 202.5 138.6 257.4

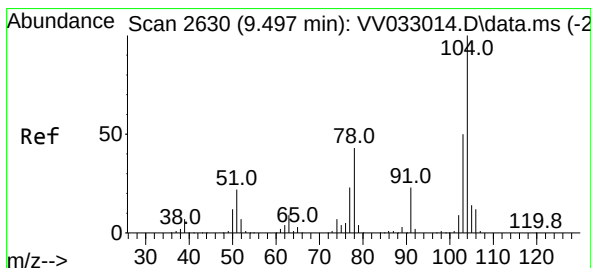
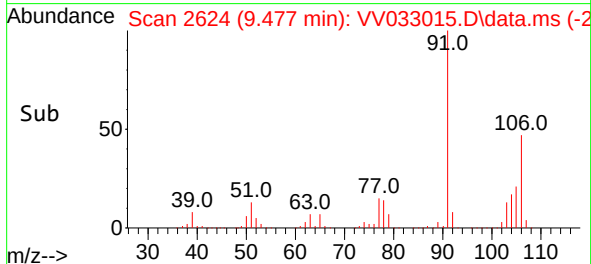
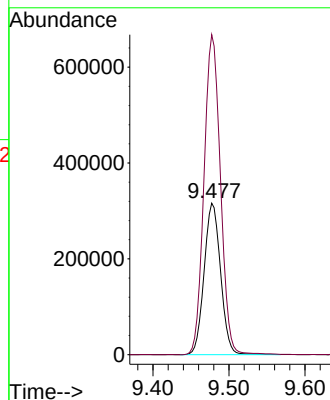
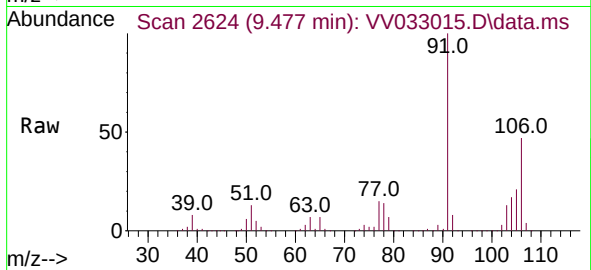




#54
o-Xylene
Concen: 104.100 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

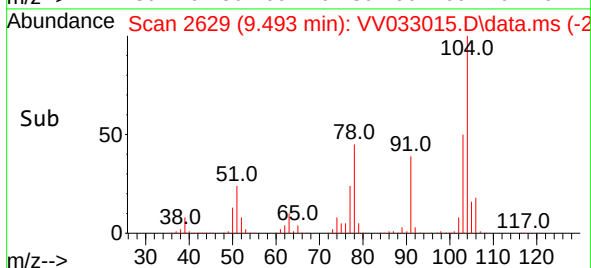
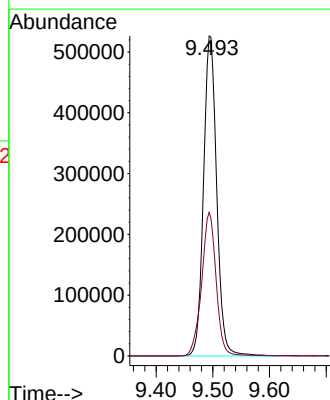
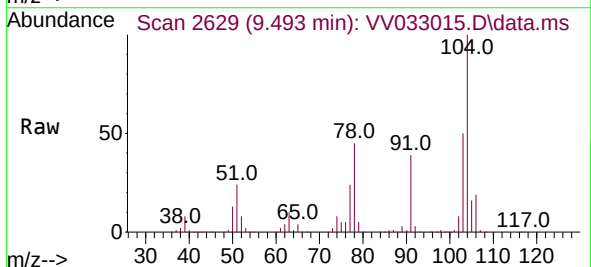
Instrument :
MSVOA_V
ClientSampleId :

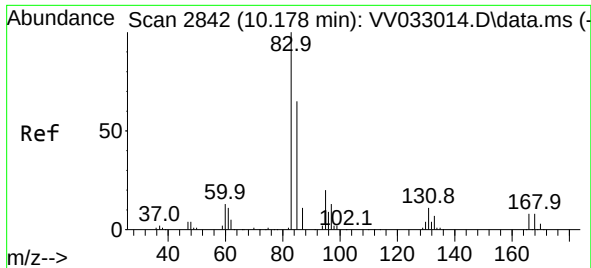
Tgt Ion:106 Resp: 475104
Ion Ratio Lower Upper
106 100
91 211.1 147.3 273.5



#55
Styrene
Concen: 104.502 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.003 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion:104 Resp: 850785
Ion Ratio Lower Upper
104 100
78 44.9 30.2 56.2

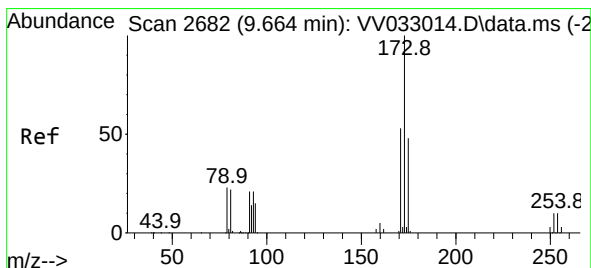
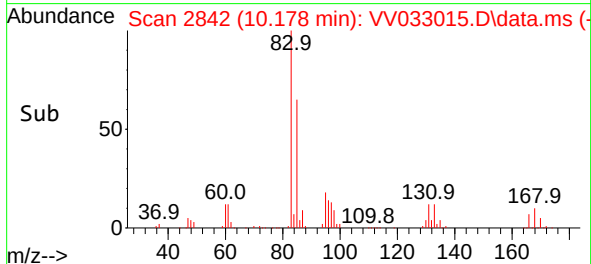
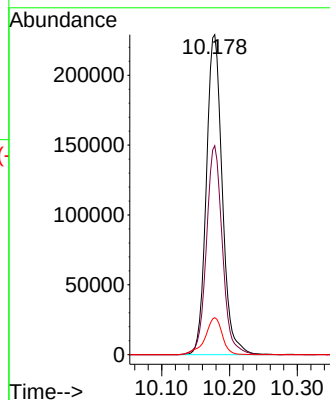
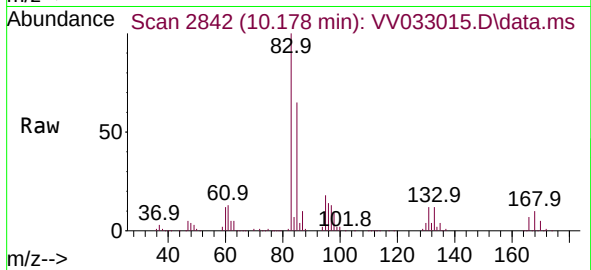




#57
1,1,2,2-Tetrachloroethane
Concen: 100.927 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

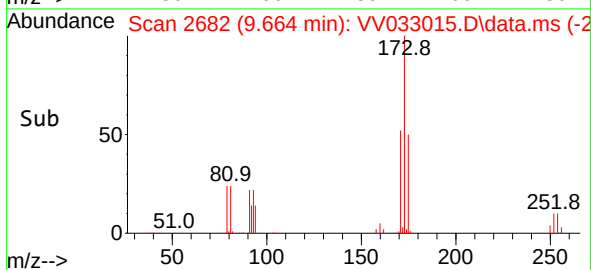
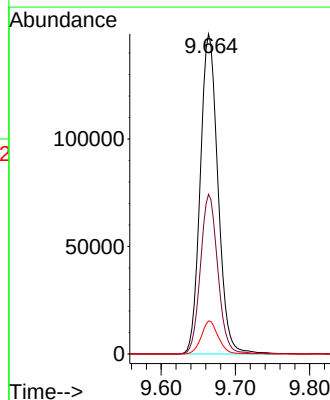
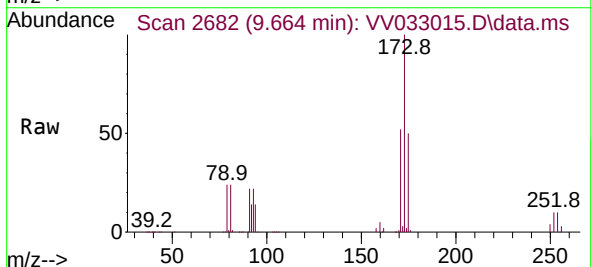
Instrument :
MSVOA_V
ClientSampleId :

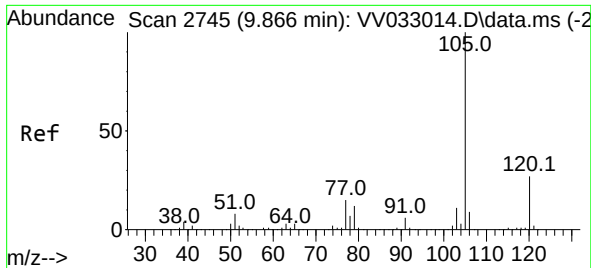
Tgt Ion: 83 Resp: 373899
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.2
131 11.6 9.4 14.0



#59
Bromoform
Concen: 97.122 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 173 Resp: 246856
Ion Ratio Lower Upper
173 100
175 48.8 38.7 58.1
254 9.9 7.9 11.9

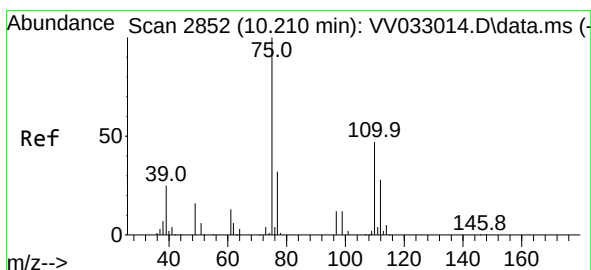
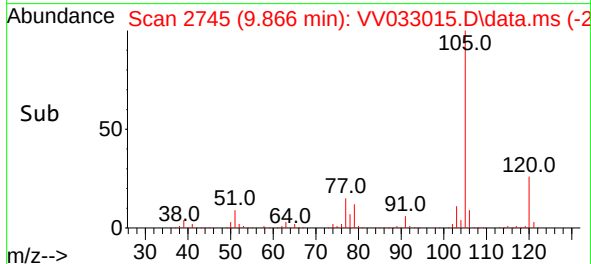
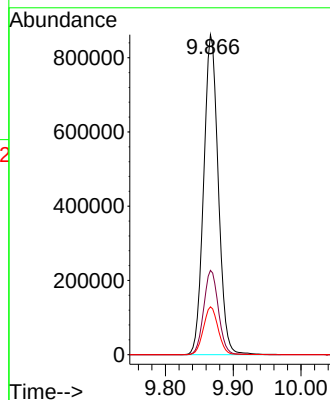
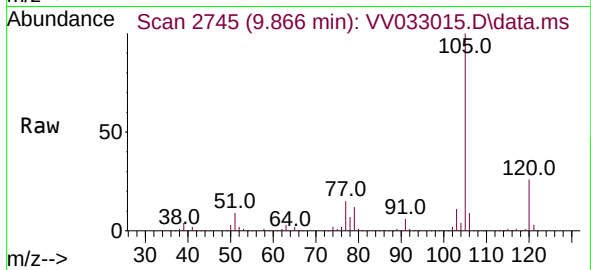




#60
Isopropylbenzene
Concen: 97.418 ug/L
RT: 9.866 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

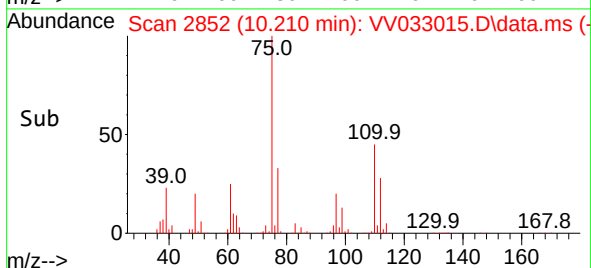
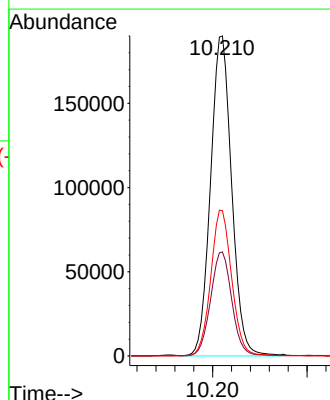
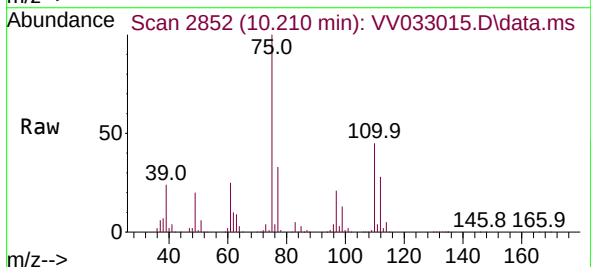
Instrument :
MSVOA_V
ClientSampleId :

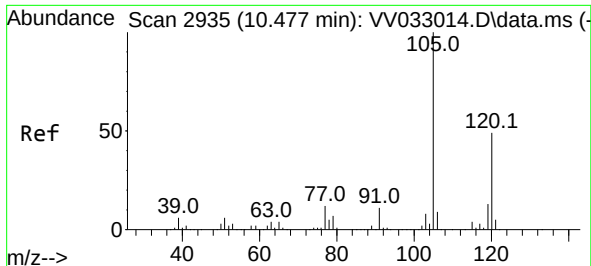
Tgt Ion:105 Resp: 1288005
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.2
77 15.2 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 93.765 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. -0.000 min
Lab File: VV033015.D
Acq: 20 Nov 2023 10:41

Tgt Ion: 75 Resp: 295010
Ion Ratio Lower Upper
75 100
77 32.3 26.2 39.2
110 45.3 36.2 54.4





#62

1,3,5-Trimethylbenzene

Concen: 100.349 ug/L

RT: 10.477 min Scan# 2935

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

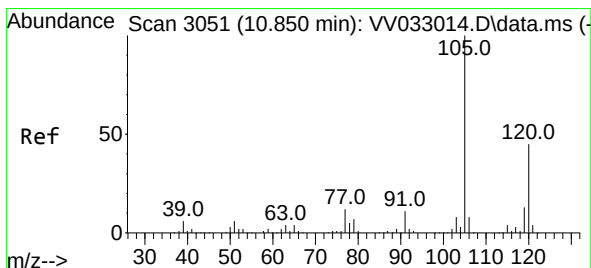
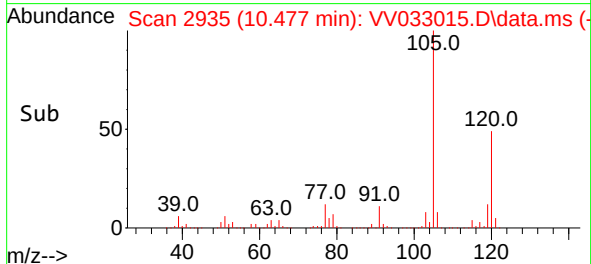
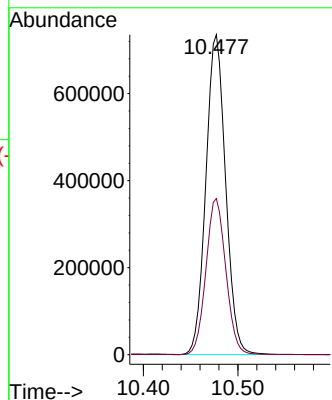
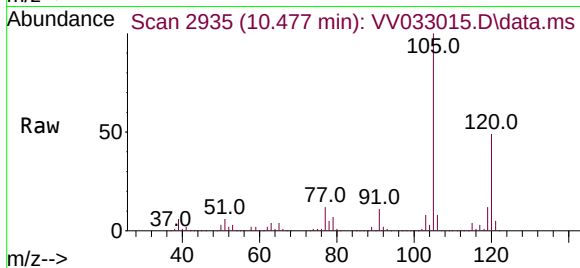
ClientSampleId :

Tgt Ion:105 Resp: 1064479

Ion Ratio Lower Upper

105 100

120 49.3 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 101.664 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV033015.D

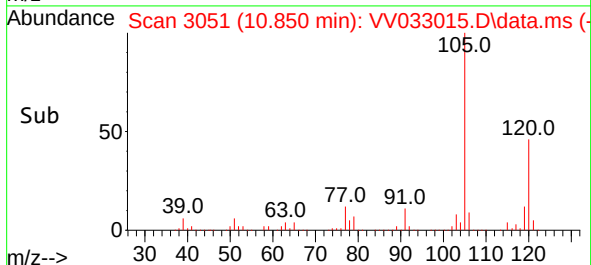
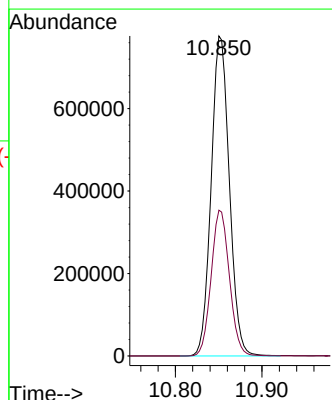
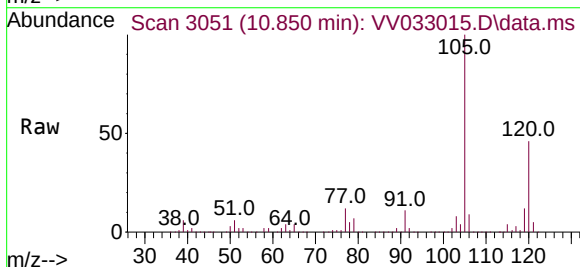
Acq: 20 Nov 2023 10:41

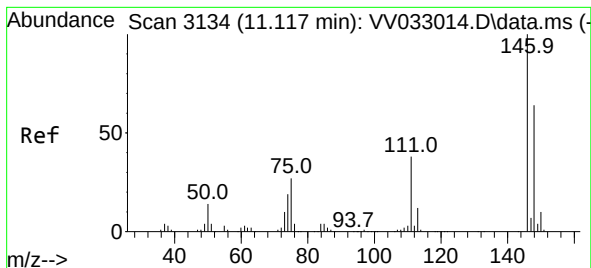
Tgt Ion:105 Resp: 1129777

Ion Ratio Lower Upper

105 100

120 45.8 36.7 55.1





#64

1,3-Dichlorobenzene

Concen: 94.793 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

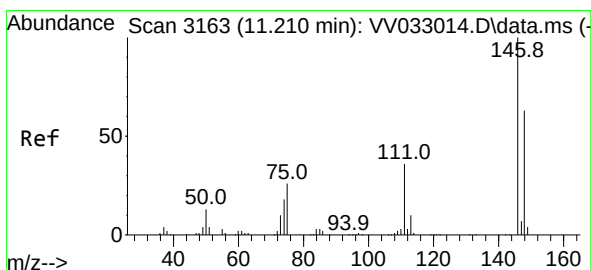
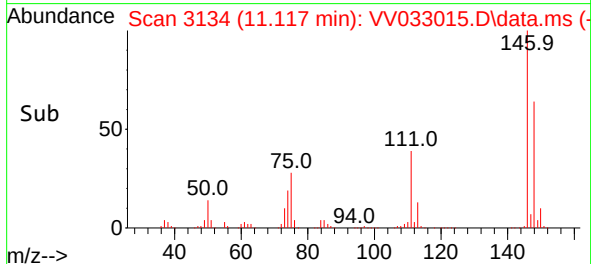
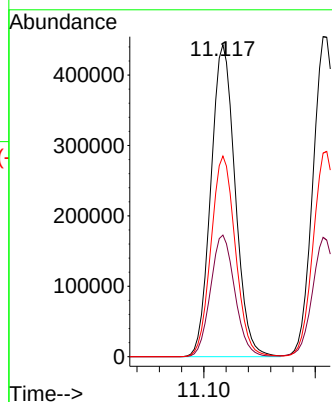
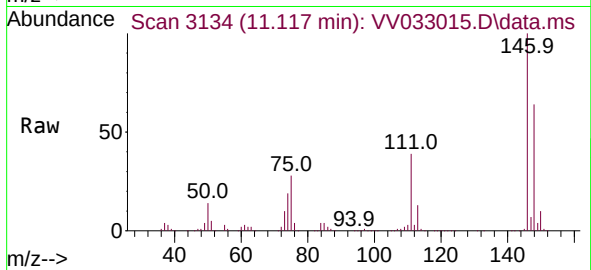
Tgt Ion:146 Resp: 671465

Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.1

148 64.3 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 92.850 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

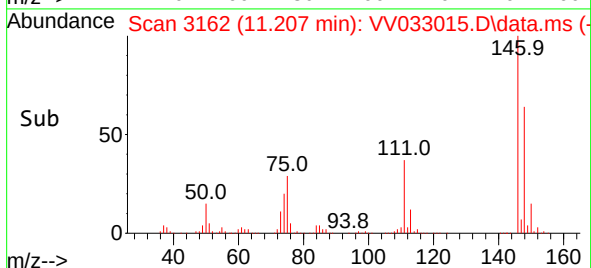
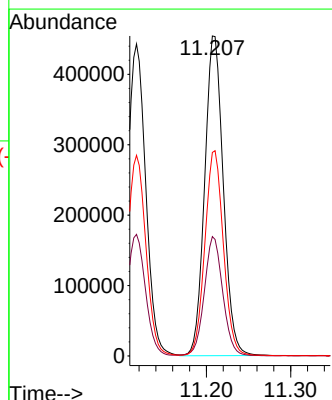
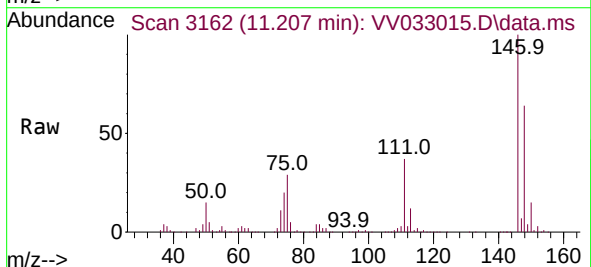
Tgt Ion:146 Resp: 699113

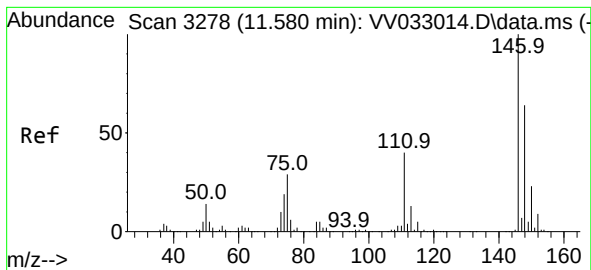
Ion Ratio Lower Upper

146 100

111 37.3 25.1 46.7

148 63.6 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 95.082 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

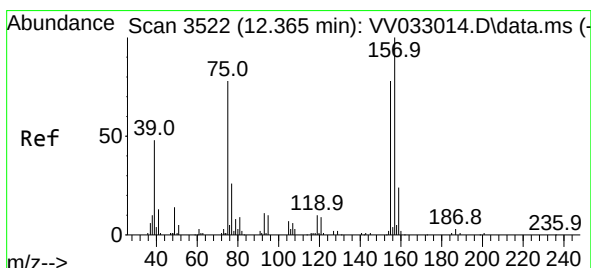
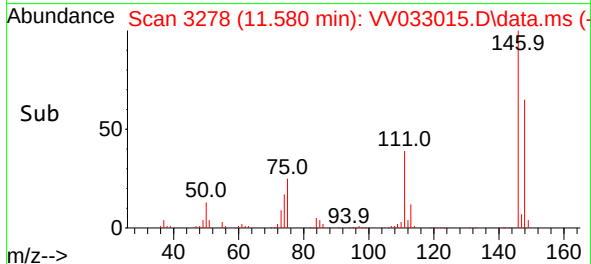
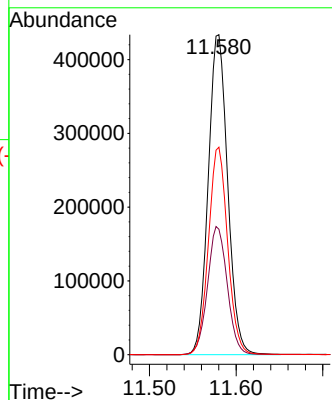
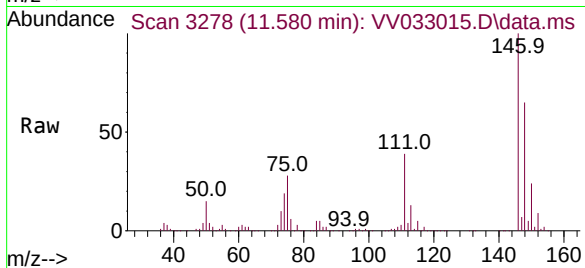
Tgt Ion:146 Resp: 675821

Ion Ratio Lower Upper

146 100

111 39.2 31.8 47.6

148 64.9 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 99.891 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

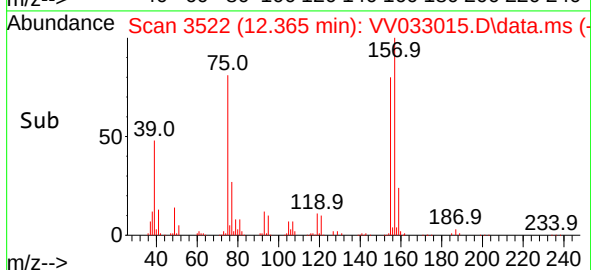
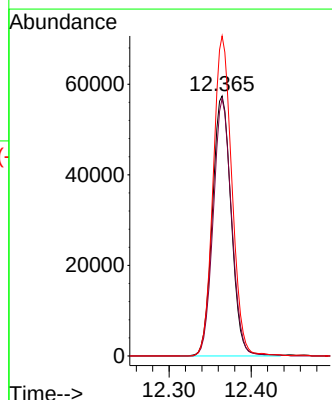
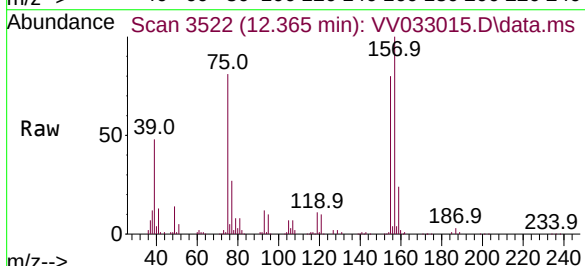
Tgt Ion: 75 Resp: 91428

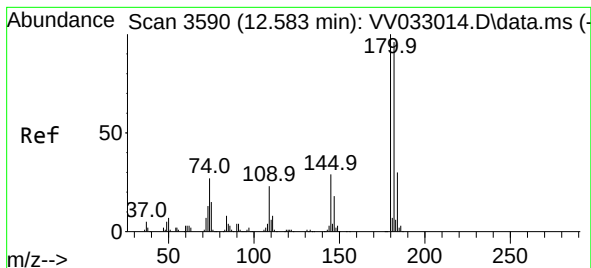
Ion Ratio Lower Upper

75 100

155 99.0 79.8 119.8

157 123.1 102.5 153.7





#69

1,3,5-Trichlorobenzene

Concen: 96.471 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 531276

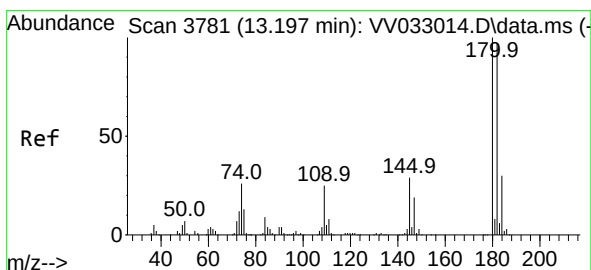
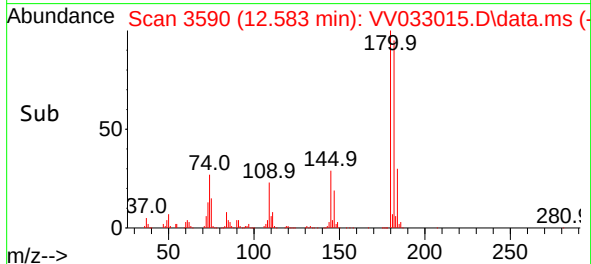
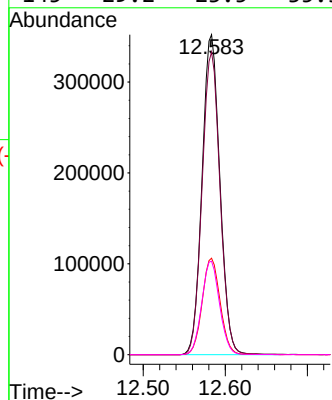
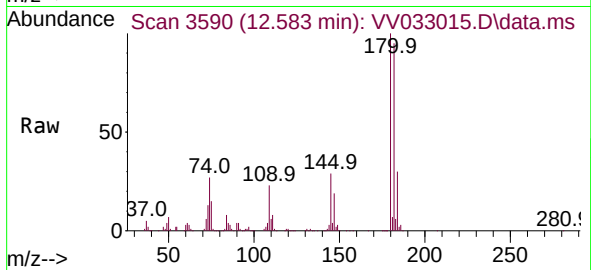
Ion Ratio Lower Upper

180 100

182 95.3 76.6 115.0

184 30.3 24.5 36.7

145 29.2 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 100.299 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

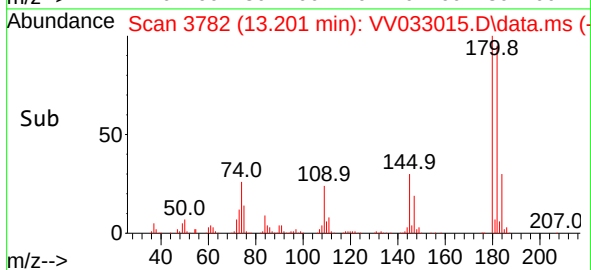
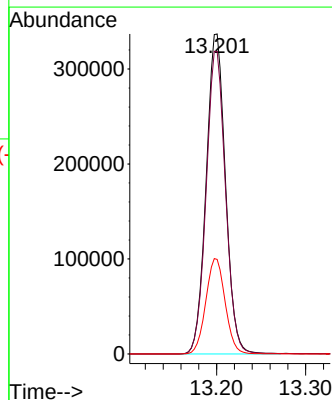
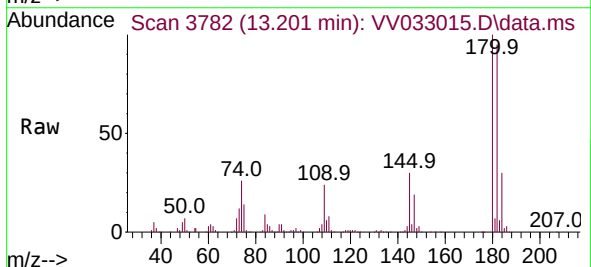
Tgt Ion:180 Resp: 506199

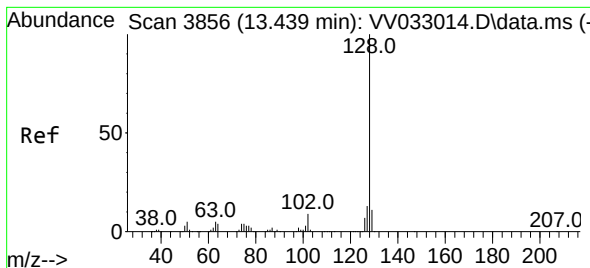
Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

145 29.9 23.2 34.8





#71

Naphthalene

Concen: 109.669 ug/L

RT: 13.439 min Scan# 3856

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Instrument :

MSVOA_V

ClientSampleId :

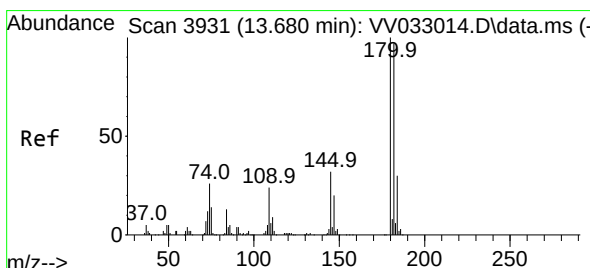
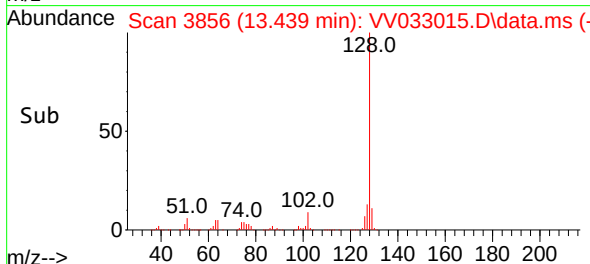
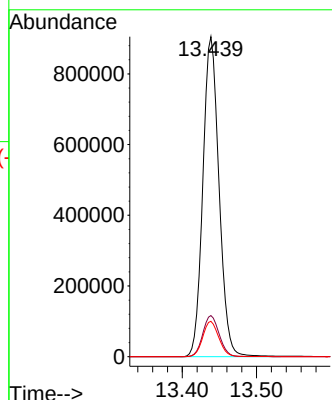
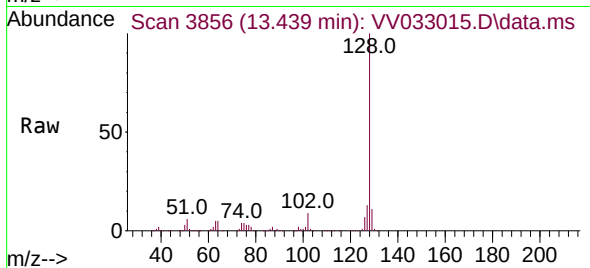
Tgt Ion:128 Resp: 1368991

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 102.379 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. -0.000 min

Lab File: VV033015.D

Acq: 20 Nov 2023 10:41

Tgt Ion:180 Resp: 500960

Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 31.5 25.5 38.3

