

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110623\
 Data File : VW032849.D
 Acq On : 06 Nov 2023 12:13
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 07 01:32:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 04 00:57:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	351218	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	394758	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	221866	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	121448	36.356	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.720%
7) Chloroethane-d5	1.532	69	115268	41.257	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.520%
11) 1,1-Dichloroethene-d2	2.059	65	54420	39.441	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.880%
21) 2-Butanone-d5	3.783	46	135543	93.544	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.540%
24) Chloroform-d	4.252	84	251185	47.108	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
26) 1,2-Dichloroethane-d4	4.944	65	157809	47.620	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.240%
32) Benzene-d6	4.960	84	463429	45.659	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.320%
36) 1,2-Dichloropropane-d6	5.989	67	141408	45.858	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.720%
41) Toluene-d8	7.243	98	474319	47.460	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.920%
43) trans-1,3-Dichloroprop...	7.554	79	74548	46.420	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.840%
47) 2-Hexanone-d5	8.027	63	106742	94.820	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.820%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	224355	47.947	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.900%
66) 1,2-Dichlorobenzene-d4	11.561	152	198078	46.329	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	132004	42.714	ug/L	100
3) Chloromethane	1.217	50	131334	43.928	ug/L	99
5) Vinyl chloride	1.285	62	137382	43.094	ug/L	98
6) Bromomethane	1.487	94	98032	44.070	ug/L	96
8) Chloroethane	1.548	64	100613	46.881	ug/L	100
9) Trichlorofluoromethane	1.715	101	230358	45.342	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	137748	44.811	ug/L	98
12) 1,1-Dichloroethene	2.072	96	120297	45.795	ug/L	82
13) Acetone	2.111	43	153601	63.332	ug/L	100
14) Carbon disulfide	2.243	76	282445	45.042	ug/L	99
15) Methyl Acetate	2.371	43	112330	45.679	ug/L	100
16) Methylene chloride	2.449	84	138803	39.836	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	118030	47.076	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	371828	50.217	ug/L	99
19) 1,1-Dichloroethane	3.114	63	221905	46.442	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	130558	47.150	ug/L	98
22) 2-Butanone	3.866	43	159993	77.787	ug/L	99
23) Bromochloromethane	4.149	128	74968	48.507	ug/L	99
25) Chloroform	4.278	83	261035	47.933	ug/L	95

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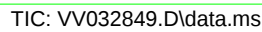
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 Quant Title : VOC Analysis
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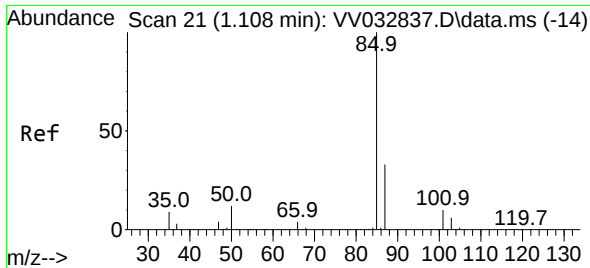
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	195407	49.789	ug/L	97
29) Cyclohexane	4.587	56	154843	43.644	ug/L #	95
30) 1,1,1-Trichloroethane	4.516	97	222650	47.076	ug/L	98
31) Carbon tetrachloride	4.738	117	195687	46.823	ug/L	99
33) Benzene	5.011	78	506827	48.419	ug/L	100
34) Trichloroethene	5.834	95	149750	51.392	ug/L	97
35) Methylcyclohexane	6.053	83	209010	45.841	ug/L	97
37) 1,2-Dichloropropane	6.095	63	140627	50.611	ug/L	99
38) Bromodichloromethane	6.432	83	206724	47.424	ug/L	99
39) cis-1,3-Dichloropropene	6.956	75	218975	52.531	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	324689	98.602	ug/L	98
42) Toluene	7.316	91	609123	51.098	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	215292	50.283	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	153523	48.171	ug/L	99
46) Tetrachloroethene	7.905	164	120311	45.760	ug/L	99
48) 2-Hexanone	8.075	43	258047	87.340	ug/L	98
49) Dibromochloromethane	8.178	129	164581	49.394	ug/L	100
50) 1,2-Dibromoethane	8.284	107	161065	49.605	ug/L	100
51) Chlorobenzene	8.815	112	402442	47.687	ug/L	98
52) Ethylbenzene	8.950	91	663136	50.430	ug/L	99
53) m,p-Xylene	9.075	106	259275	51.807	ug/L	98
54) o-Xylene	9.480	106	245179	50.569	ug/L	98
55) Styrene	9.496	104	453461	53.668	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	224373	47.006	ug/L	98
59) Bromoform	9.667	173	118057	47.459	ug/L	98
60) Isopropylbenzene	9.869	105	678378	50.418	ug/L	100
61) 1,2,3-Trichloropropane	10.210	75	171240	46.207	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	547581	51.718	ug/L	98
63) 1,2,4-Trimethylbenzene	10.853	105	526539	51.987	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	345945	49.354	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	353795	47.836	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	349290	48.812	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	44625	46.269	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	241401	47.705	ug/L	99
70) 1,2,4-trichlorobenzene	13.200	180	210294	48.054	ug/L	100
71) Naphthalene	13.442	128	551629	50.477	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	222707	50.970	ug/L	99

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

Instrument :
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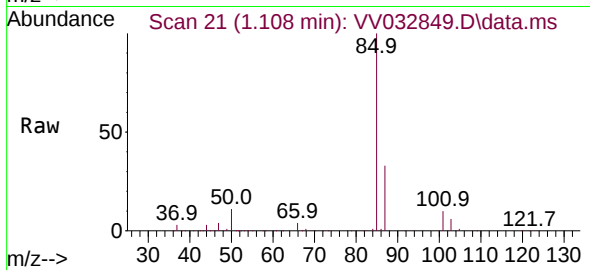
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ClientSampleId :



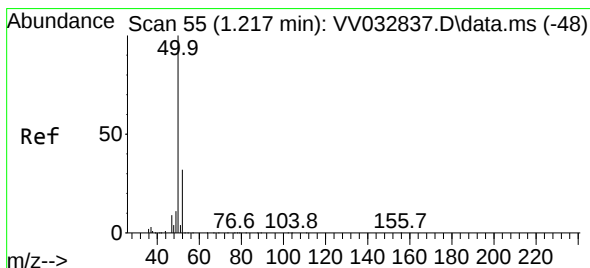
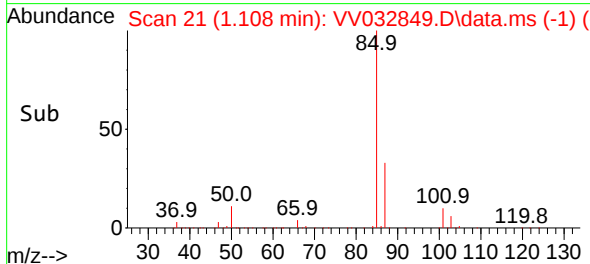
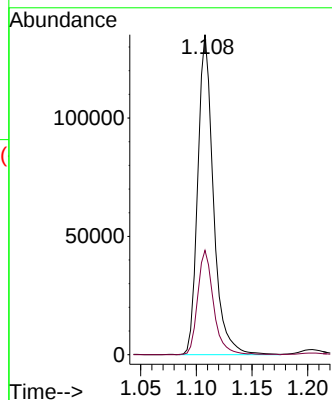


#2
 Dichlorodifluoromethane
 Concen: 42.714 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV032849.D
 Acq: 06 Nov 2023 12:13

Instrument :
 MSVOA_V
 ClientSampleId :

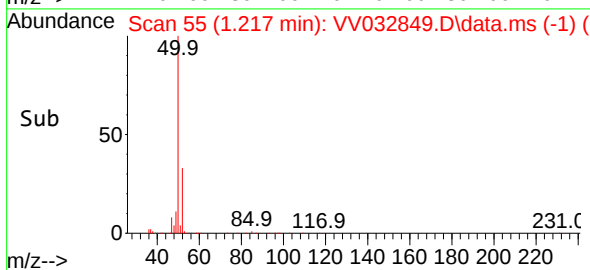
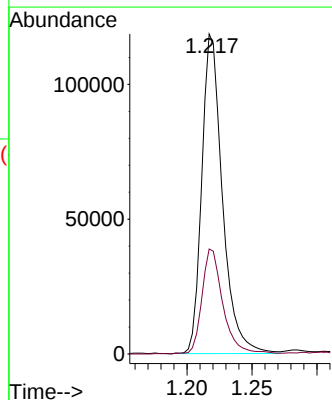
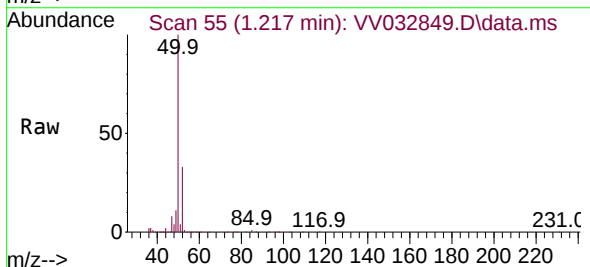


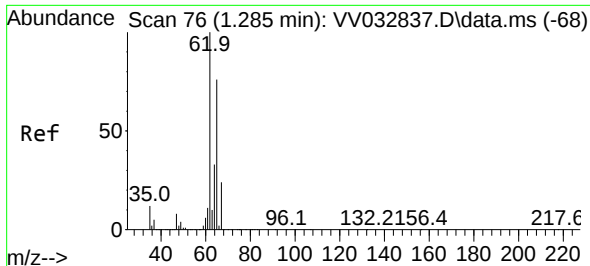
Tgt Ion: 85 Resp: 132004
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.2 39.4



#3
 Chloromethane
 Concen: 43.928 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV032849.D
 Acq: 06 Nov 2023 12:13

Tgt Ion: 50 Resp: 131334
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.5 43.7

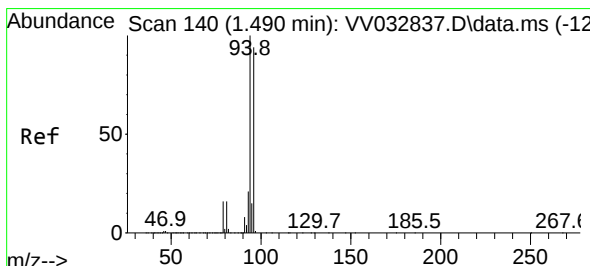
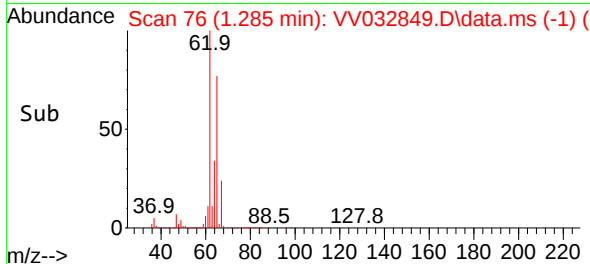
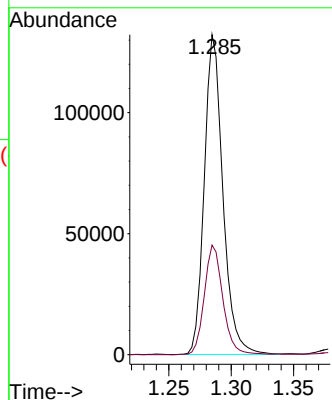
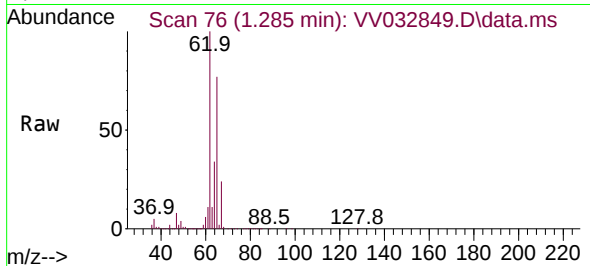




#5
 Vinyl chloride
 Concen: 43.094 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV032849.D
 Acq: 06 Nov 2023 12:13

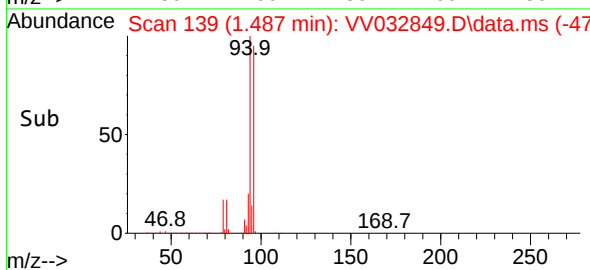
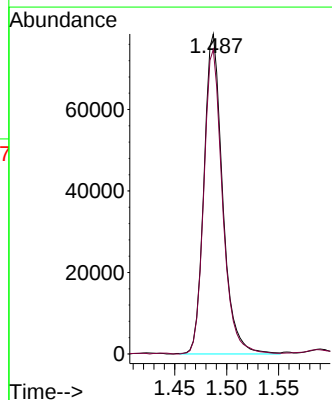
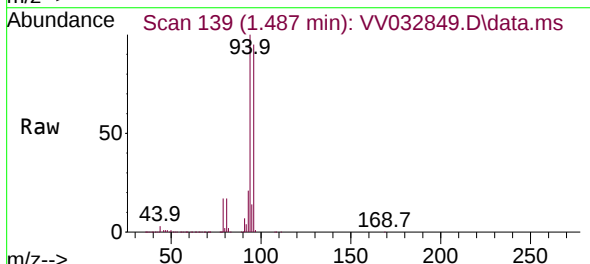
Instrument :
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 ClientSampleId :

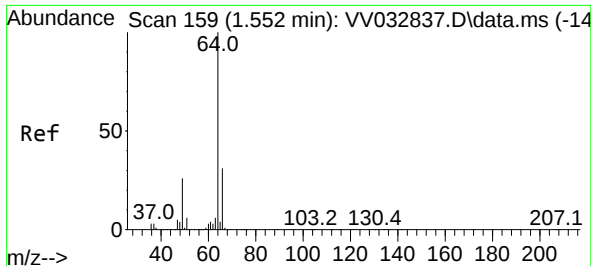
Tgt Ion: 62 Resp: 137382
 Ion Ratio Lower Upper
 62 100
 64 34.3 23.2 43.0



#6
 Bromomethane
 Concen: 44.070 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV032849.D
 Acq: 06 Nov 2023 12:13

Tgt Ion: 94 Resp: 98032
 Ion Ratio Lower Upper
 94 100
 96 95.2 64.2 119.2

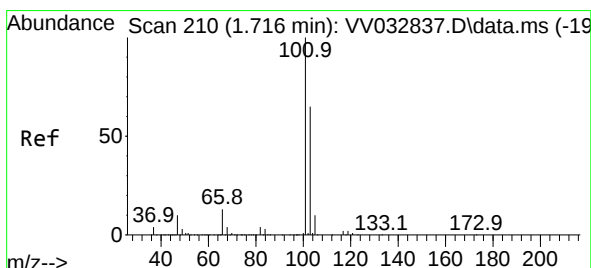
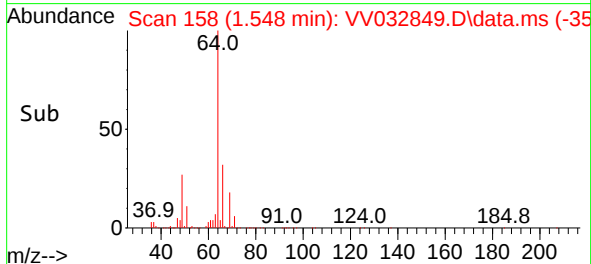
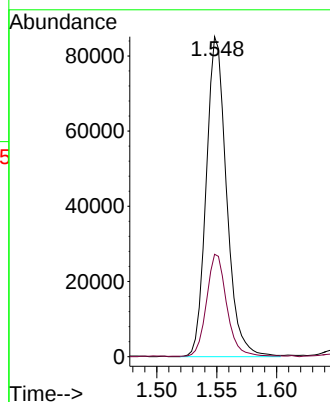
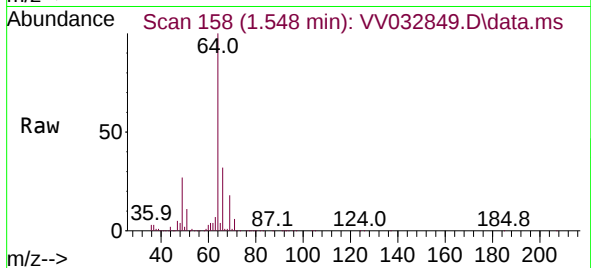




#8
Chloroethane
Concen: 46.881 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

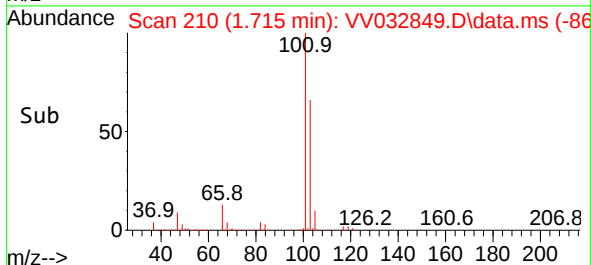
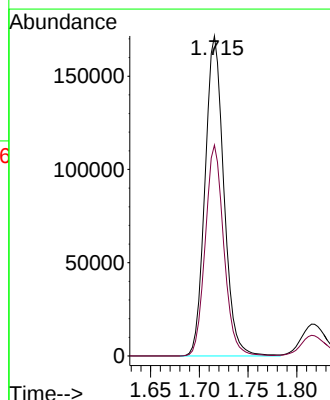
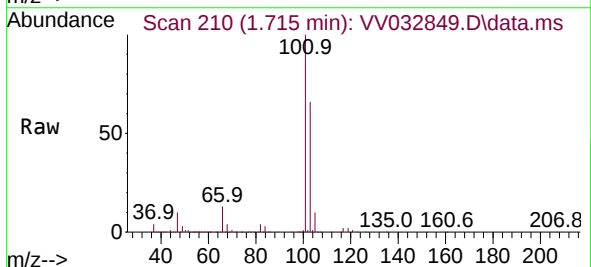
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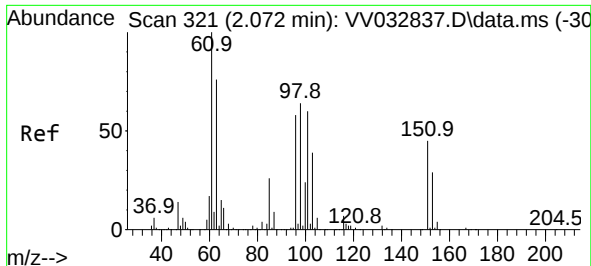
Tgt Ion: 64 Resp: 100613
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 45.342 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

Tgt Ion:101 Resp: 230358
Ion Ratio Lower Upper
101 100
103 65.0 51.7 77.5

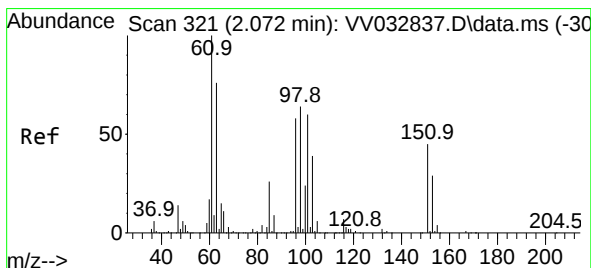
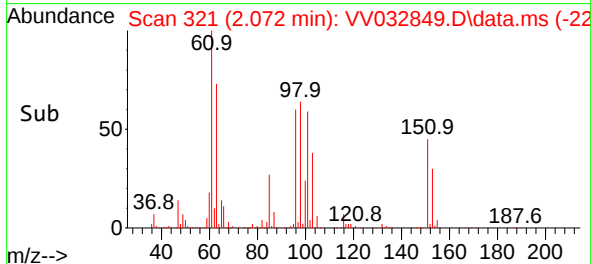
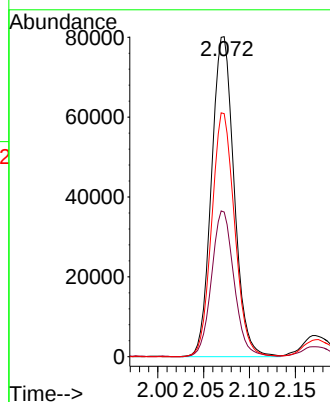
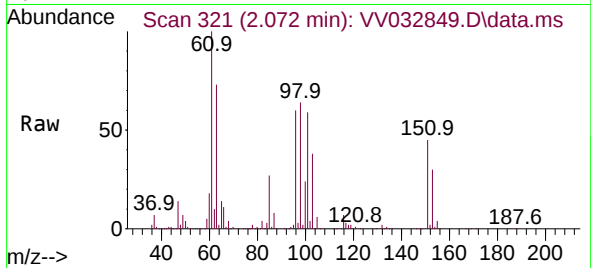




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 44.811 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV032849.D
 Acq: 06 Nov 2023 12:13

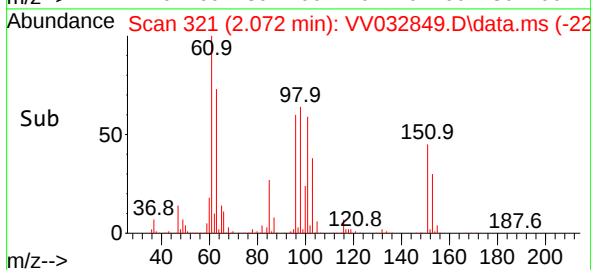
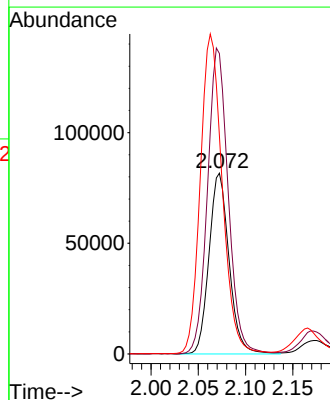
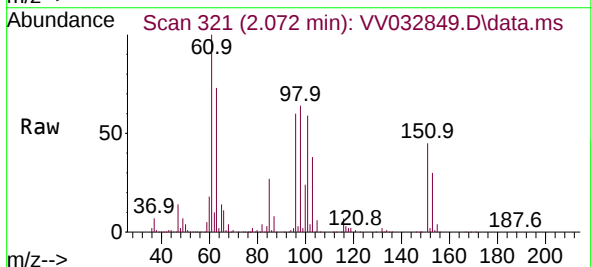
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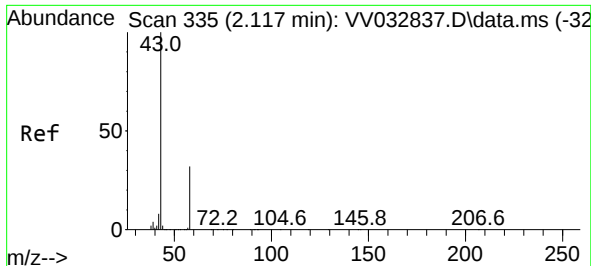
Tgt Ion:101 Resp: 137748
 Ion Ratio Lower Upper
 101 100
 85 45.2 35.6 53.4
 151 77.0 59.9 89.9



#12
 1,1-Dichloroethene
 Concen: 45.795 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV032849.D
 Acq: 06 Nov 2023 12:13

Tgt Ion: 96 Resp: 120297
 Ion Ratio Lower Upper
 96 100
 61 166.2 124.2 230.6
 63 120.8 111.8 207.6





#13

Acetone

Concen: 63.332 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.007 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

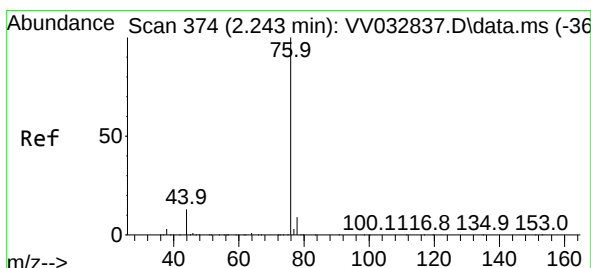
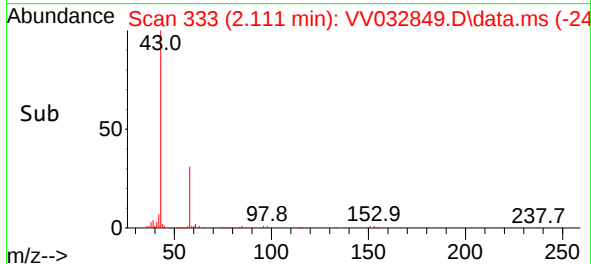
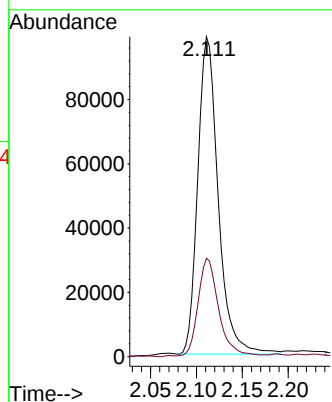
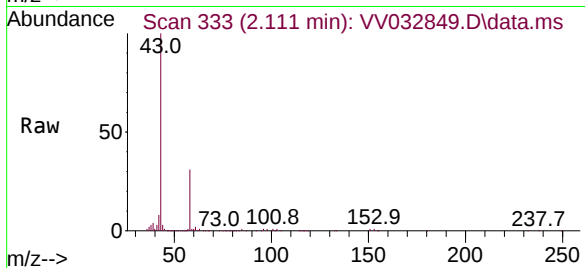
ClientSampleId :

Tgt Ion: 43 Resp: 153601

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 45.042 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV032849.D

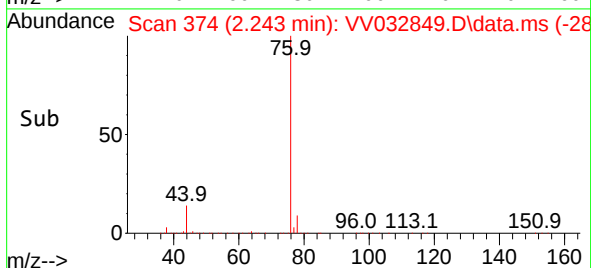
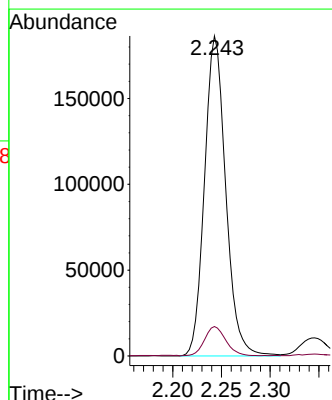
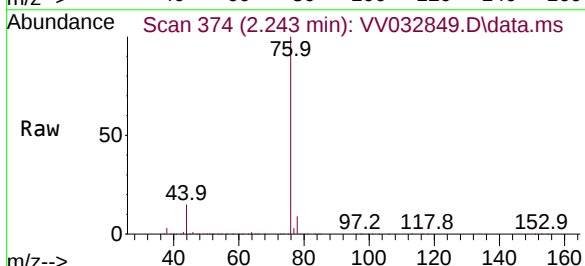
Acq: 06 Nov 2023 12:13

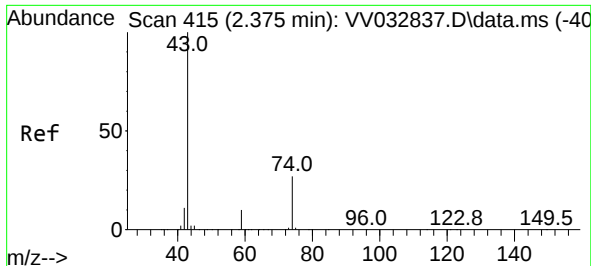
Tgt Ion: 76 Resp: 282445

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

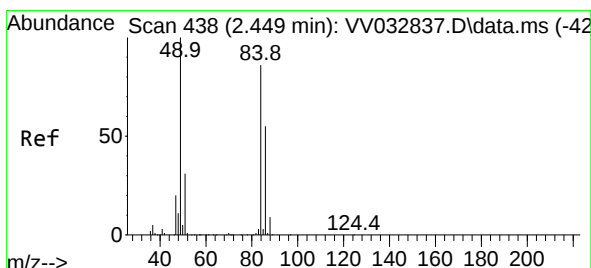
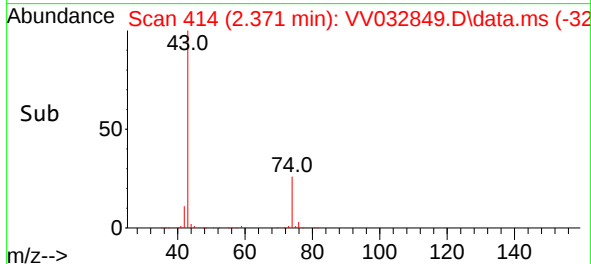
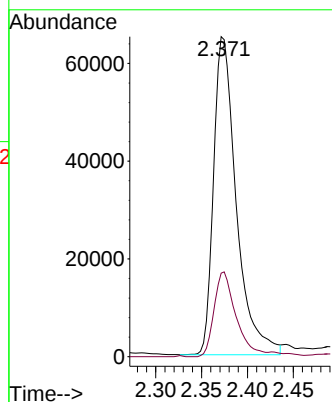
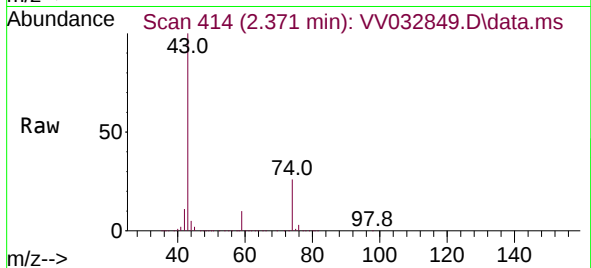




#15
Methyl Acetate
Concen: 45.679 ug/L
RT: 2.371 min Scan# 415
Delta R.T. -0.003 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

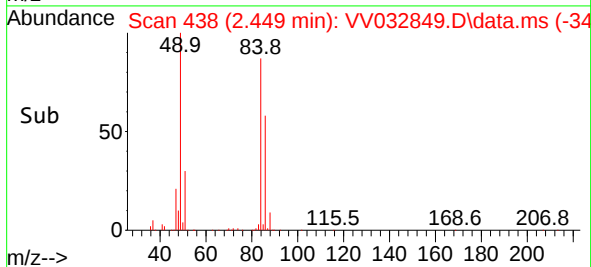
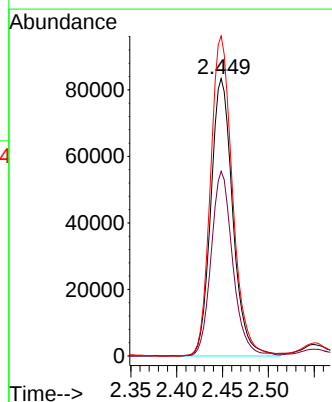
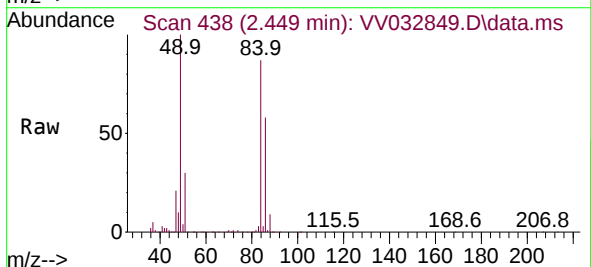
Instrument :
MSVOA_V
ClientSampleId :

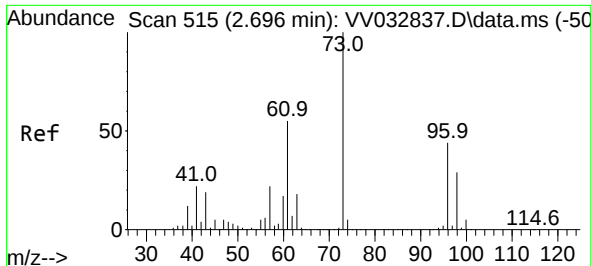
Tgt Ion: 43 Resp: 112330
Ion Ratio Lower Upper
43 100
74 25.5 20.6 30.8



#16
Methylene chloride
Concen: 39.836 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

Tgt Ion: 84 Resp: 138803
Ion Ratio Lower Upper
84 100
86 66.6 45.0 83.6
49 115.4 81.2 150.8





#17

trans-1,2-Dichloroethene

Concen: 47.076 ug/L

RT: 2.696 min Scan# 515

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

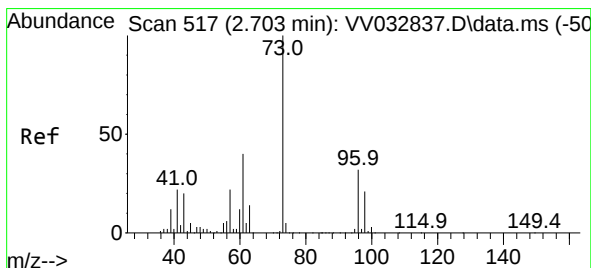
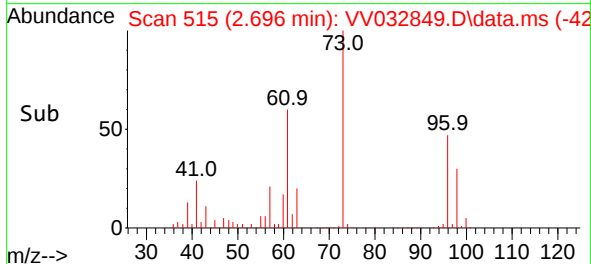
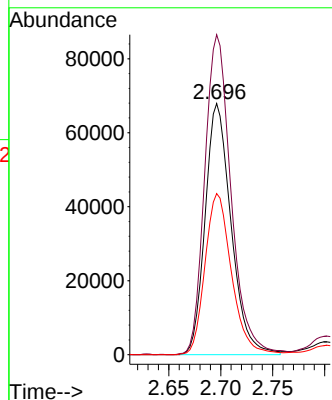
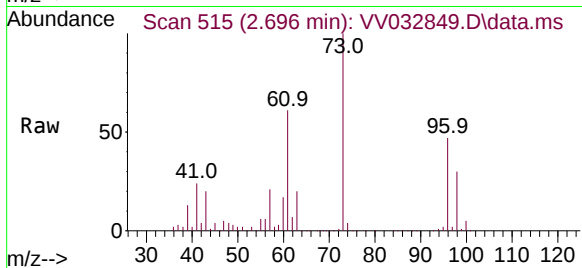
Tgt Ion: 96 Resp: 118030

Ion Ratio Lower Upper

96 100

61 127.4 86.9 161.3

98 64.1 42.9 79.7



#18

Methyl tert-butyl Ether

Concen: 50.217 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

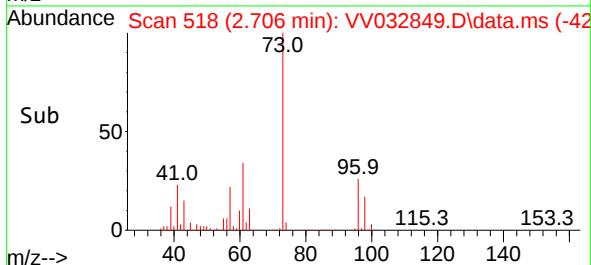
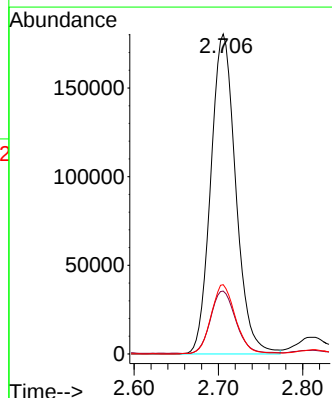
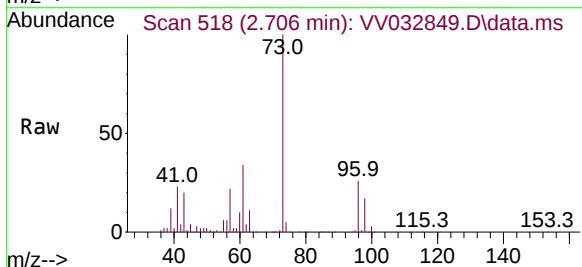
Tgt Ion: 73 Resp: 371828

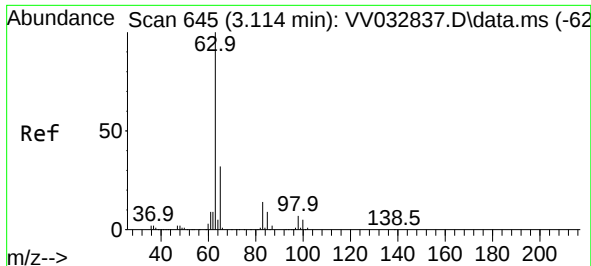
Ion Ratio Lower Upper

73 100

43 19.7 16.1 24.1

57 21.0 17.4 26.0





#19

1,1-Dichloroethane

Concen: 46.442 ug/L

RT: 3.114 min Scan# 645

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

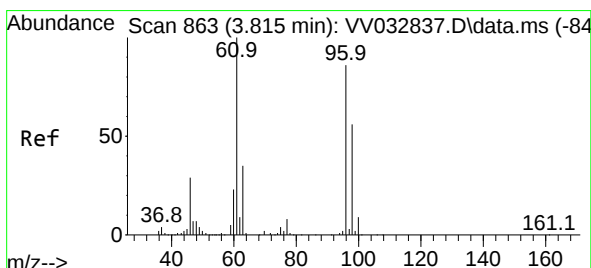
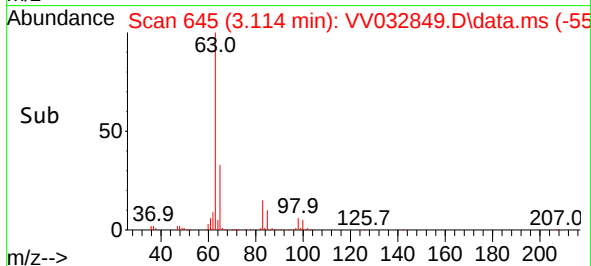
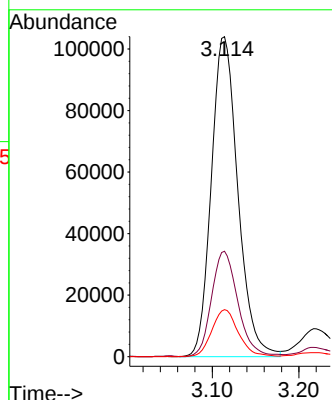
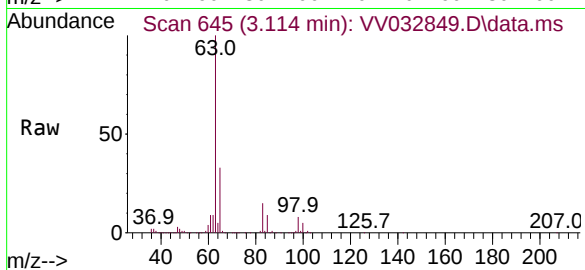
Tgt Ion: 63 Resp: 221905

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.5

83 14.7 10.1 18.7



#20

cis-1,2-Dichloroethene

Concen: 47.150 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

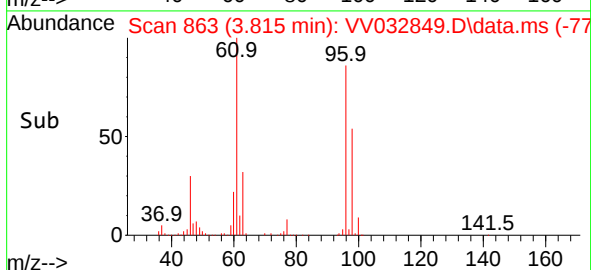
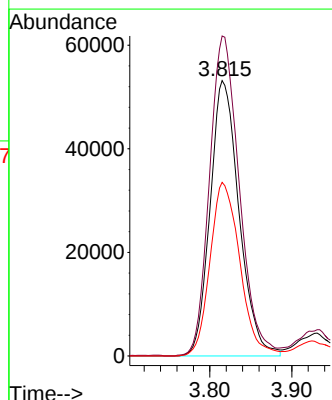
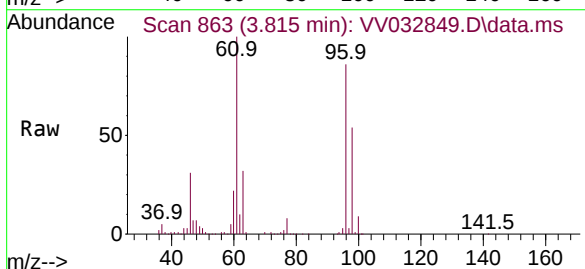
Tgt Ion: 96 Resp: 130558

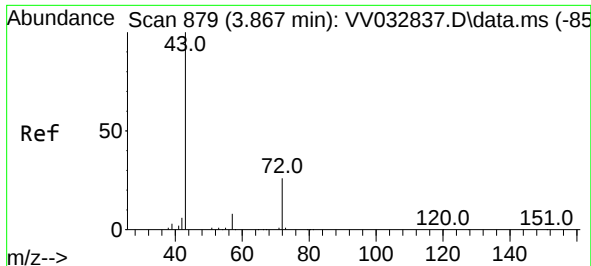
Ion Ratio Lower Upper

96 100

61 116.2 83.3 154.7

98 63.0 44.2 82.2

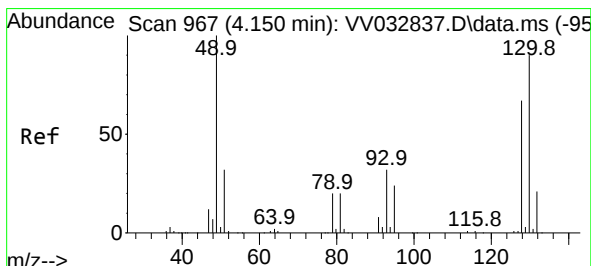
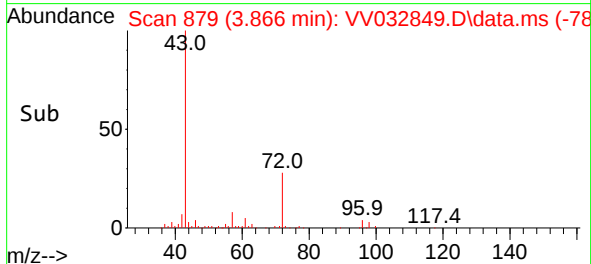
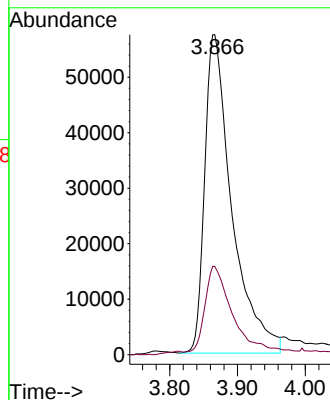
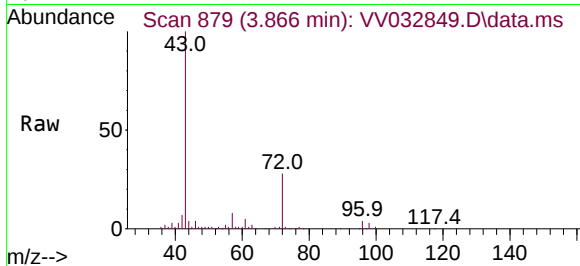




#22
2-Butanone
Concen: 77.787 ug/L
RT: 3.866 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

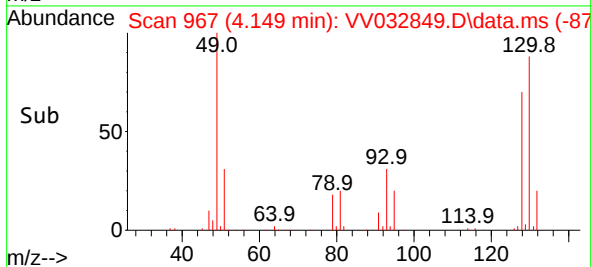
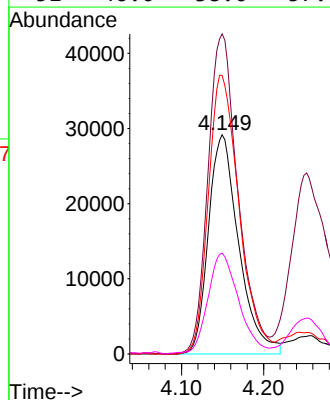
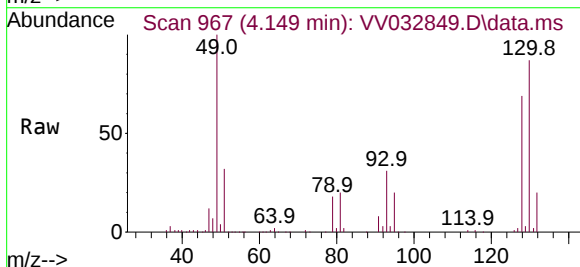
Instrument :
MSVOA_V
ClientSampleId :

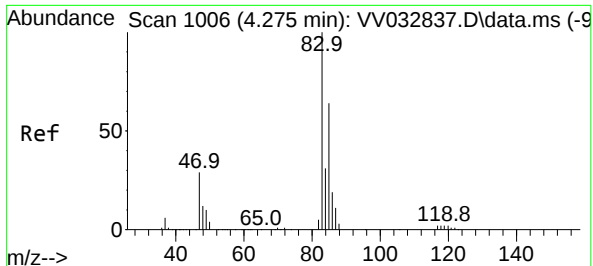
Tgt Ion: 43 Resp: 159993
Ion Ratio Lower Upper
43 100
72 26.5 13.5 40.4



#23
Bromochloromethane
Concen: 48.507 ug/L
RT: 4.149 min Scan# 967
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

Tgt Ion: 128 Resp: 74968
Ion Ratio Lower Upper
128 100
49 146.0 101.0 187.6
130 127.1 88.5 164.4
51 46.0 38.0 57.0





#25

Chloroform

Concen: 47.933 ug/L

RT: 4.278 min Scan# 1006

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

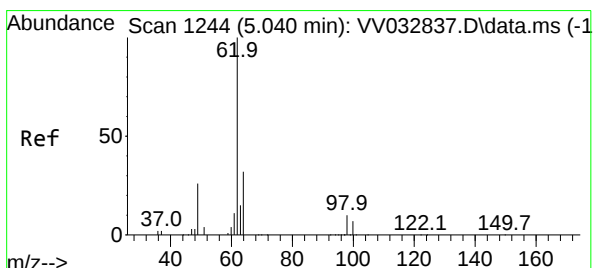
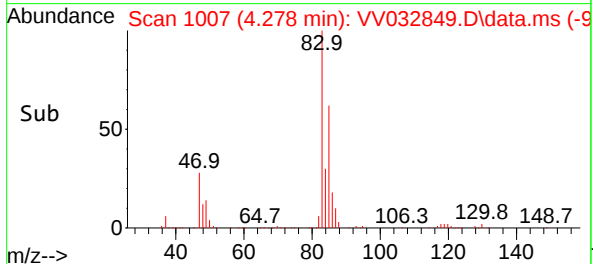
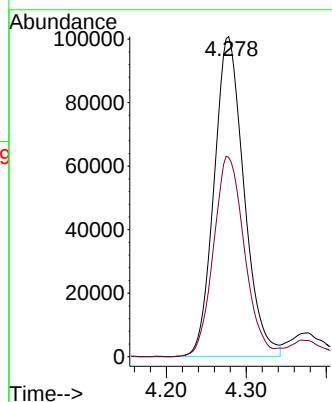
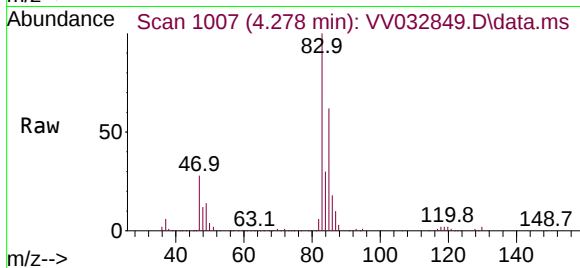
ClientSampleId :

Tgt Ion: 83 Resp: 261035

Ion Ratio Lower Upper

83 100

85 62.3 46.2 85.8



#27

1,2-Dichloroethane

Concen: 49.789 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.000 min

Lab File: VV032849.D

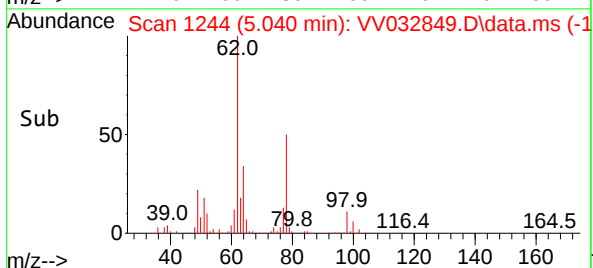
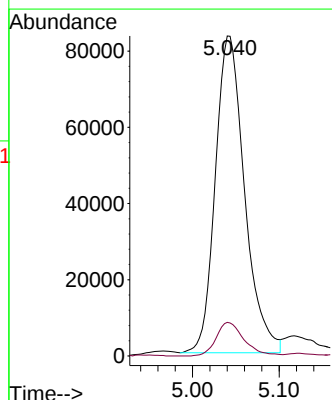
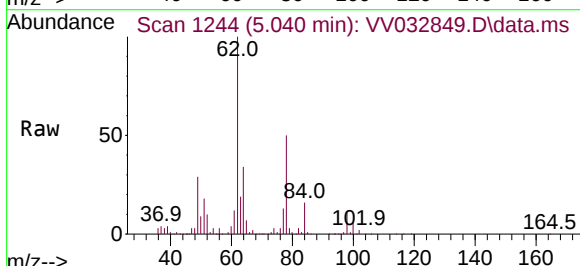
Acq: 06 Nov 2023 12:13

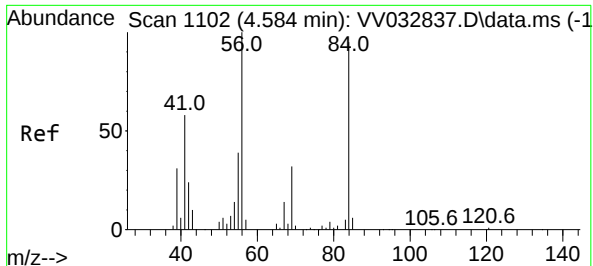
Tgt Ion: 62 Resp: 195407

Ion Ratio Lower Upper

62 100

98 10.5 7.5 11.3





#29

Cyclohexane

Concen: 43.644 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

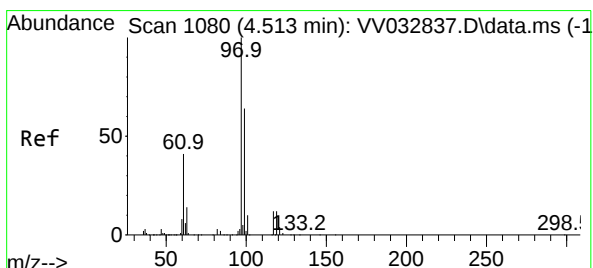
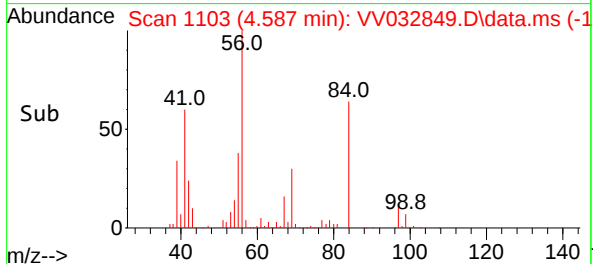
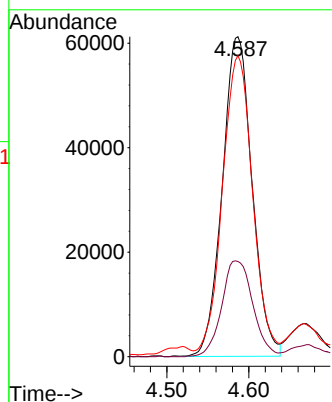
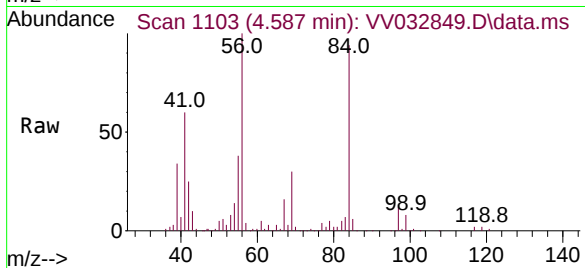
Tgt Ion: 56 Resp: 154843

Ion Ratio Lower Upper

56 100

69 31.2 13.4 20.0#

84 94.4 75.3 112.9



#30

1,1,1-Trichloroethane

Concen: 47.076 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

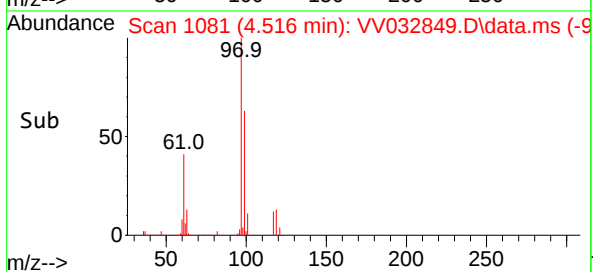
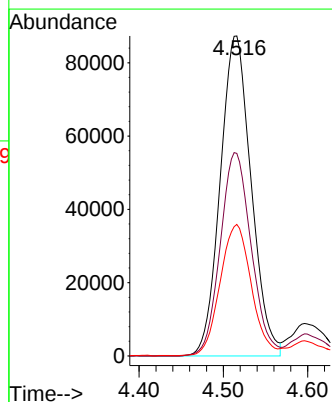
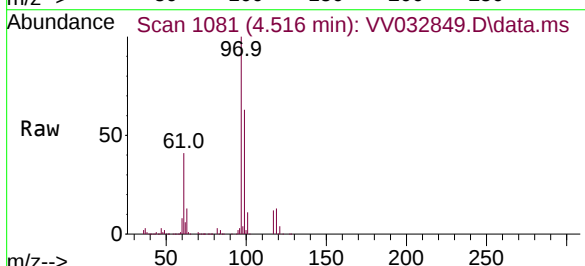
Tgt Ion: 97 Resp: 222650

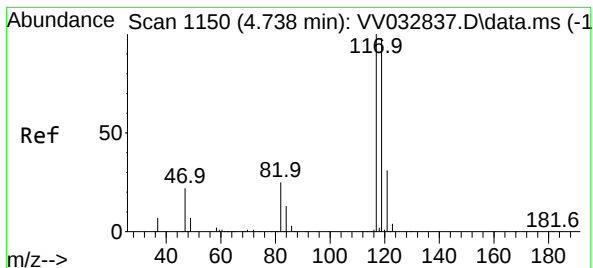
Ion Ratio Lower Upper

97 100

99 63.6 51.8 77.6

61 41.2 34.8 52.2





#31

Carbon tetrachloride

Concen: 46.823 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

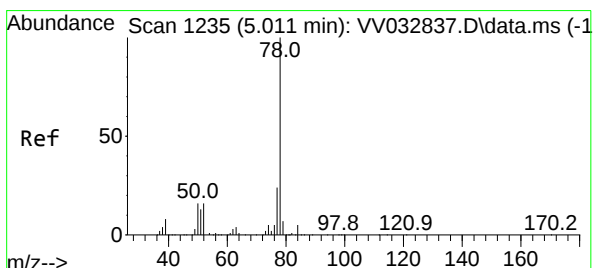
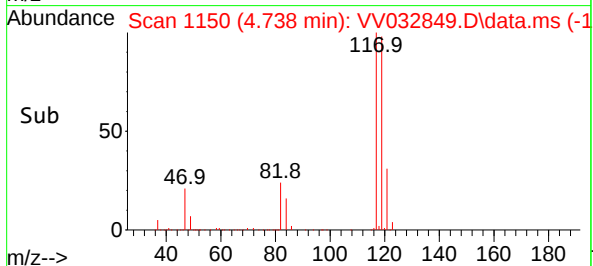
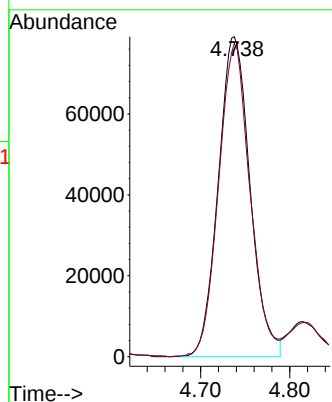
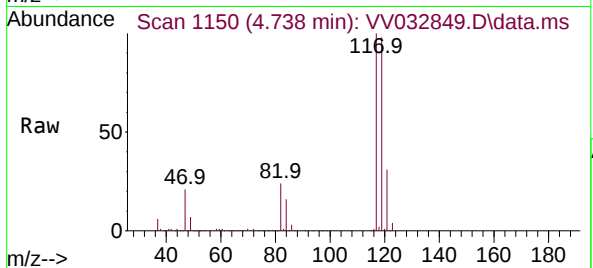
ClientSampleId :

Tgt Ion:117 Resp: 195687

Ion Ratio Lower Upper

117 100

119 96.8 76.6 115.0



#33

Benzene

Concen: 48.419 ug/L

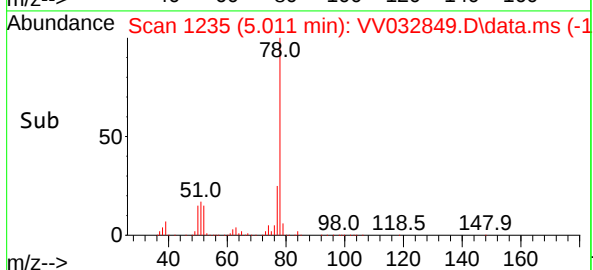
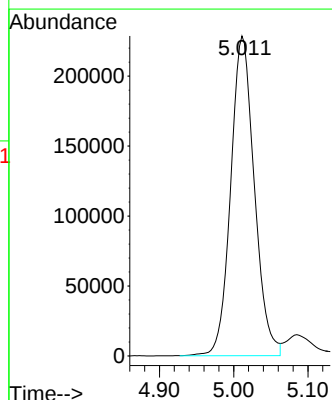
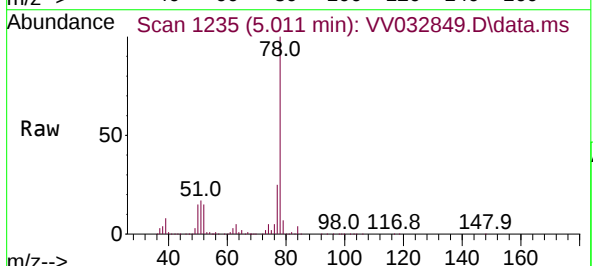
RT: 5.011 min Scan# 1235

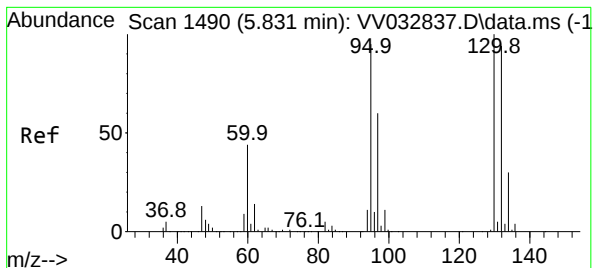
Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Tgt Ion: 78 Resp: 506827





#34

Trichloroethene

Concen: 51.392 ug/L

RT: 5.834 min Scan# 1490

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 149750

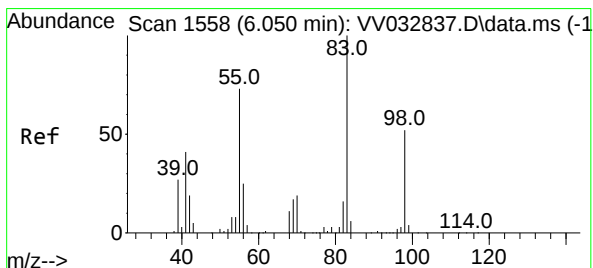
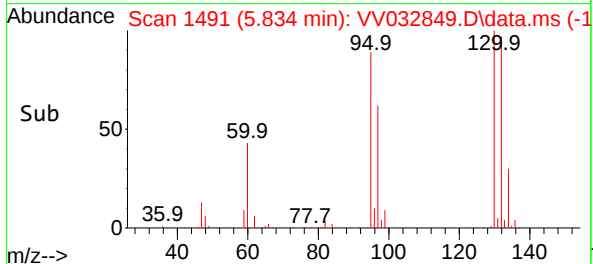
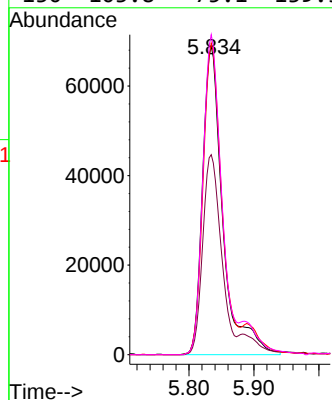
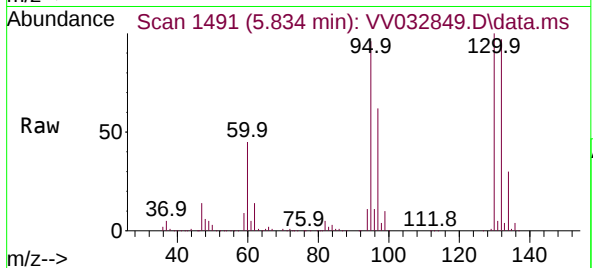
Ion Ratio Lower Upper

95 100

97 64.9 46.3 85.9

132 101.1 69.0 128.2

130 103.8 75.1 139.5



#35

Methylcyclohexane

Concen: 45.841 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

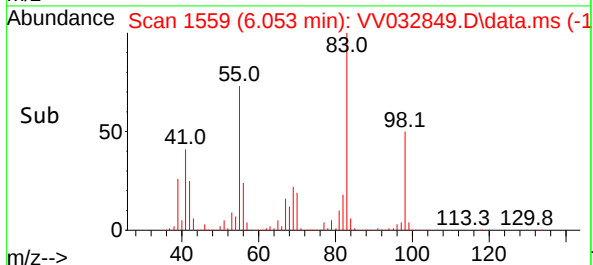
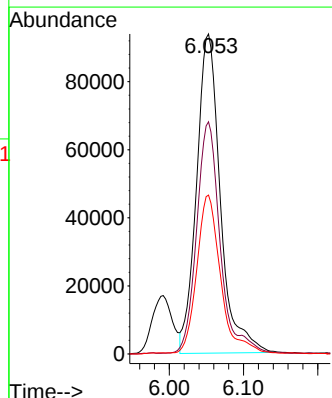
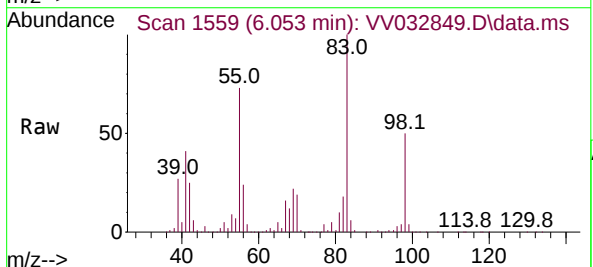
Tgt Ion: 83 Resp: 209010

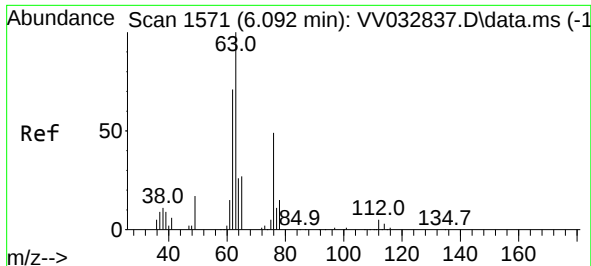
Ion Ratio Lower Upper

83 100

55 68.8 57.8 86.8

98 49.7 39.4 59.2





#37

1,2-Dichloropropane

Concen: 50.611 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

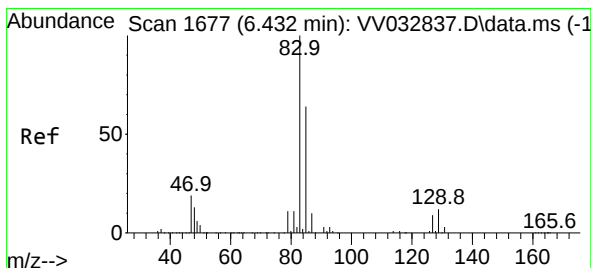
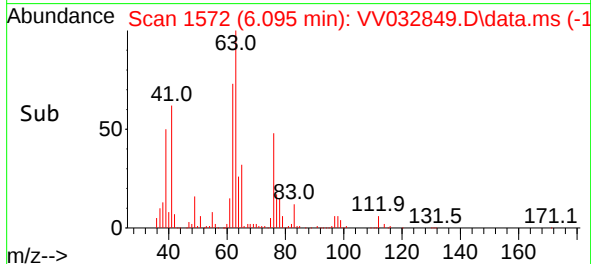
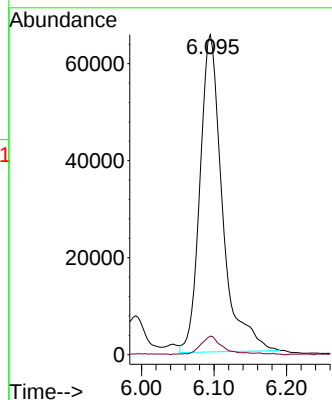
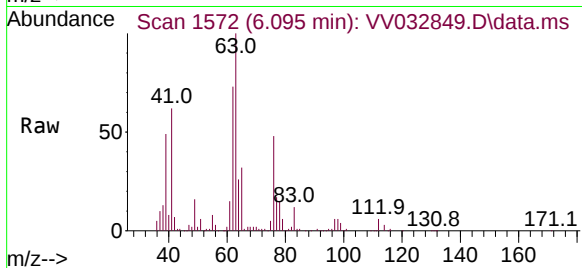
ClientSampleId :

Tgt Ion: 63 Resp: 140627

Ion Ratio Lower Upper

63 100

112 5.4 4.1 6.1



#38

Bromodichloromethane

Concen: 47.424 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

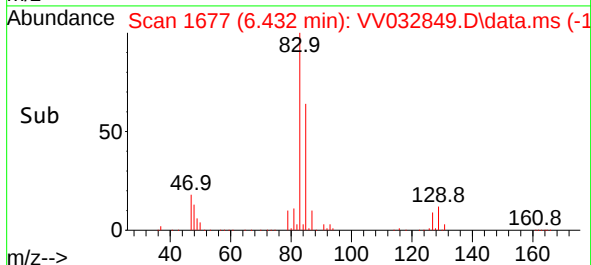
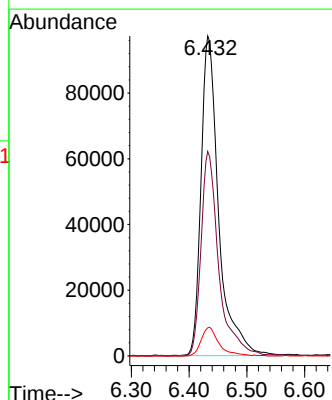
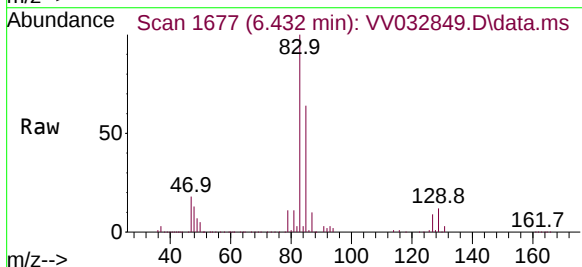
Tgt Ion: 83 Resp: 206724

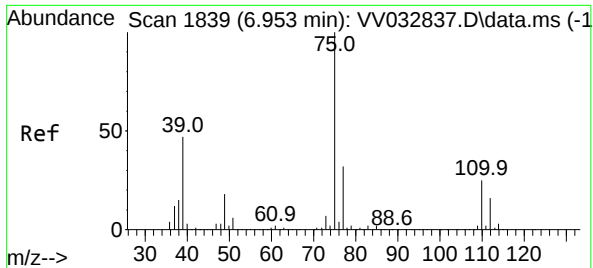
Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

127 8.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 52.531 ug/L

RT: 6.956 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

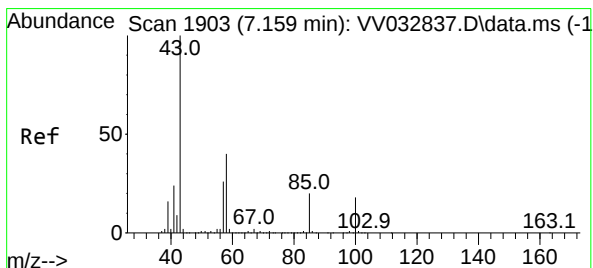
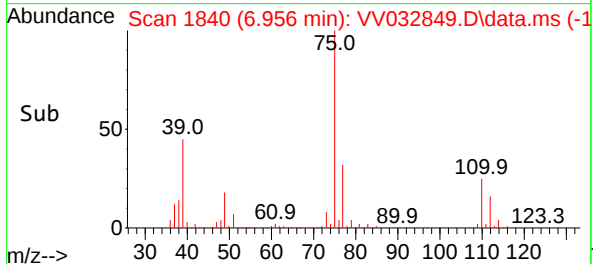
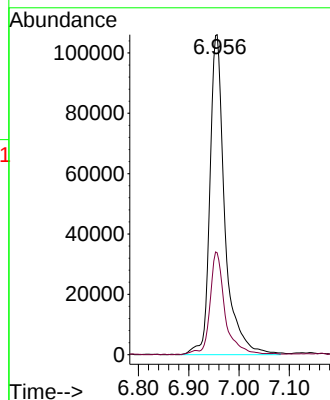
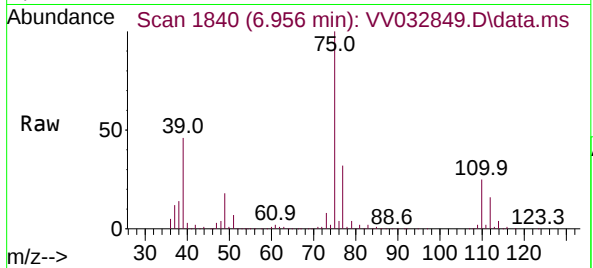
ClientSampleId :

Tgt Ion: 75 Resp: 218975

Ion Ratio Lower Upper

75 100

77 31.9 23.0 42.8



#40

4-Methyl-2-pentanone

Concen: 98.602 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

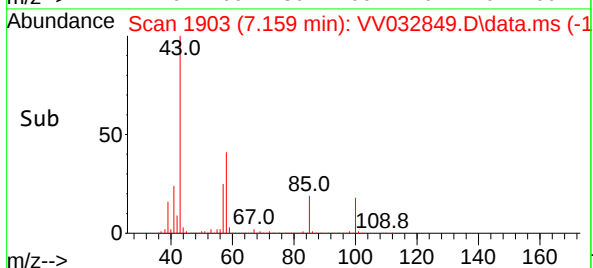
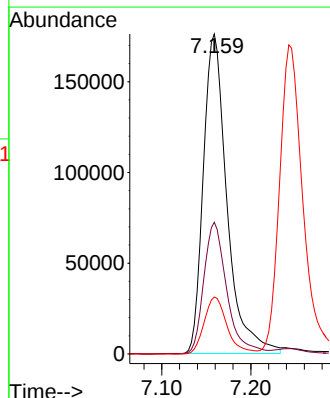
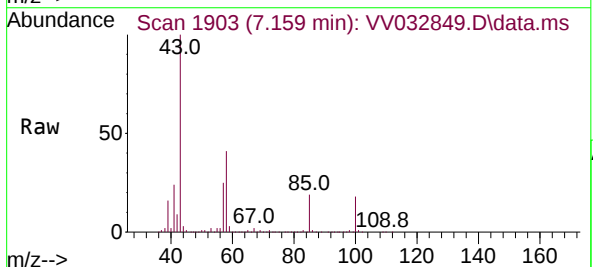
Tgt Ion: 43 Resp: 324689

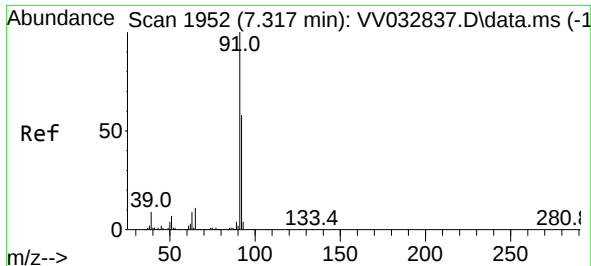
Ion Ratio Lower Upper

43 100

58 40.2 31.4 47.0

100 17.3 13.3 19.9





#42

Toluene

Concen: 51.098 ug/L

RT: 7.316 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

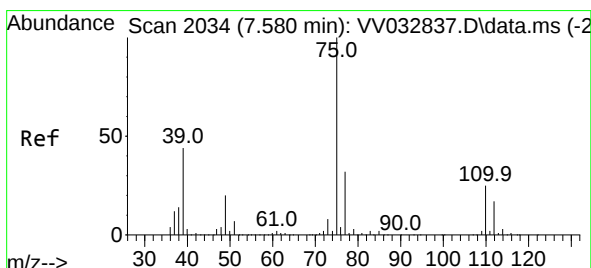
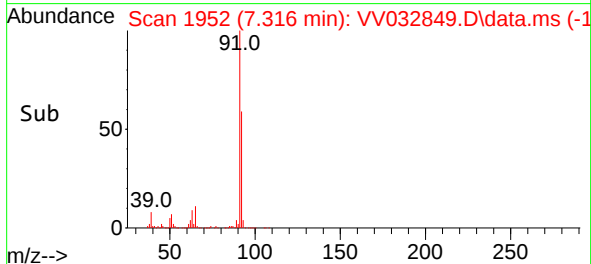
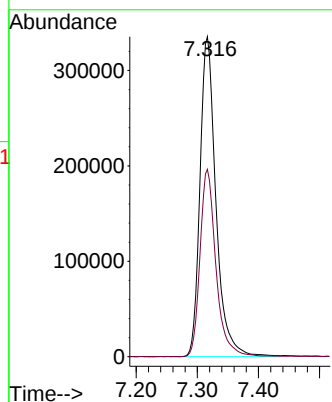
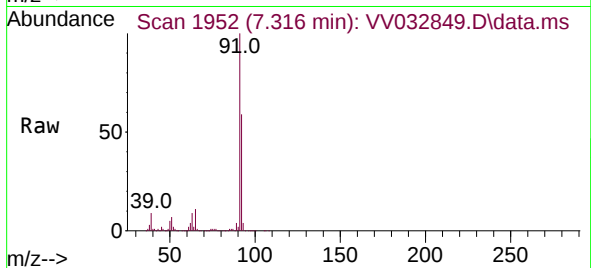
ClientSampleId :

Tgt Ion: 91 Resp: 609123

Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 50.283 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV032849.D

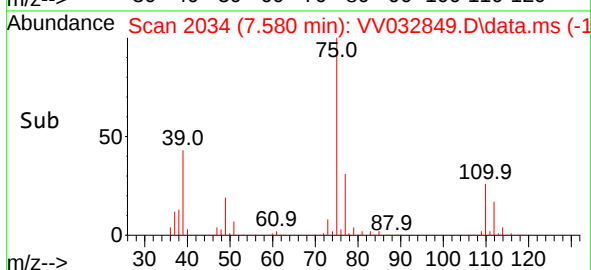
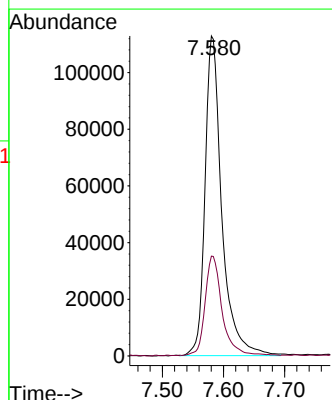
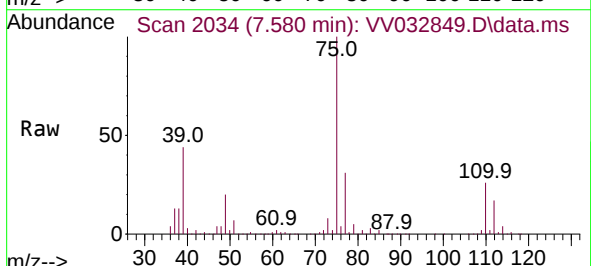
Acq: 06 Nov 2023 12:13

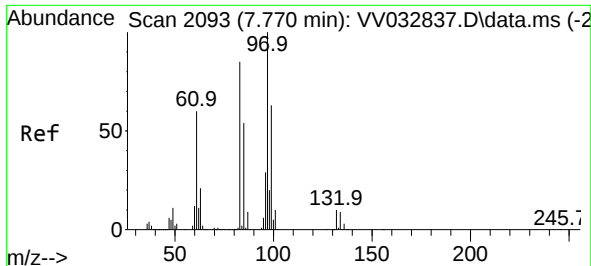
Tgt Ion: 75 Resp: 215292

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8

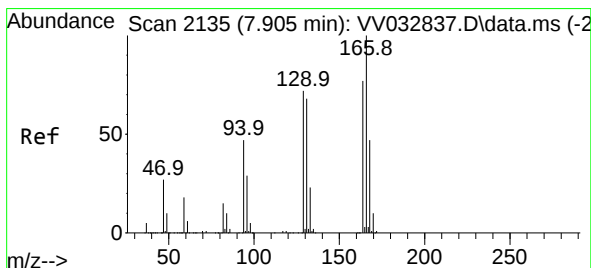
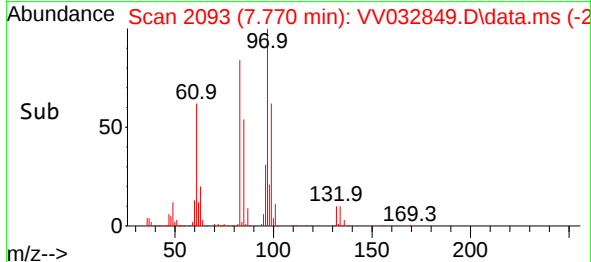
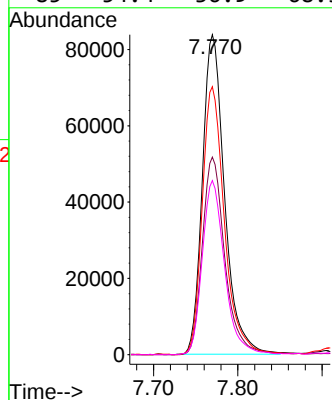
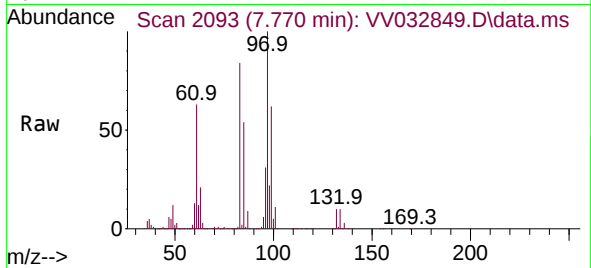




#45
1,1,2-Trichloroethane
Concen: 48.171 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

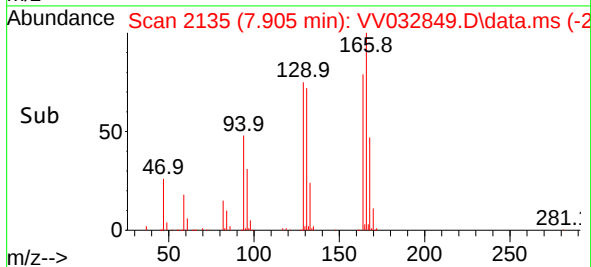
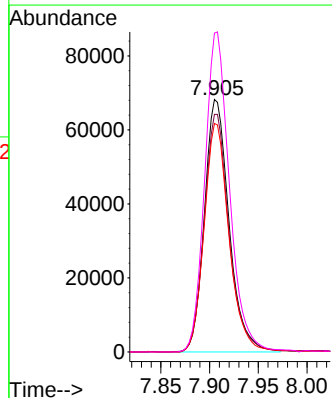
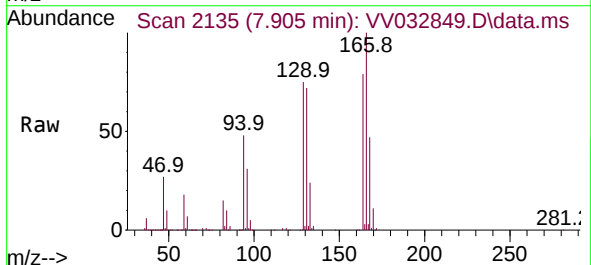
Instrument :
MSVOA_V
ClientSampleId :

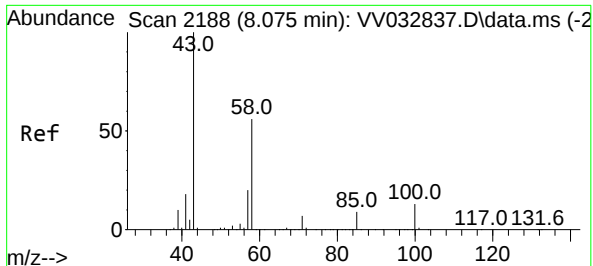
Tgt Ion: 97	Resp: 153523
Ion Ratio	Lower Upper
97 100	
99 61.7	42.8 79.6
83 83.7	58.4 108.4
85 54.4	36.9 68.5



#46
Tetrachloroethene
Concen: 45.760 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

Tgt	Ion:164	Resp:	120311
Ion	Ratio	Lower	Upper
164	100		
129	94.1	65.3	121.3
131	90.5	65.0	120.8
166	126.3	87.8	163.2





#48

2-Hexanone

Concen: 87.340 ug/L

RT: 8.075 min Scan# 2188

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 258047

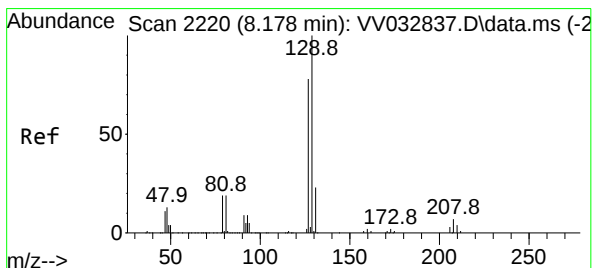
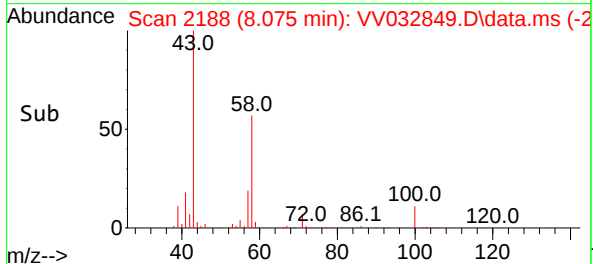
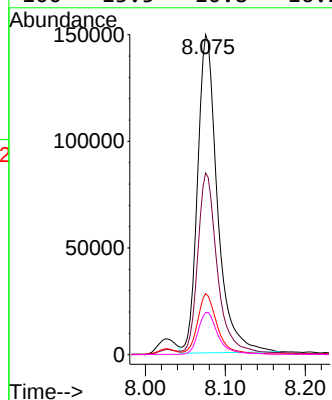
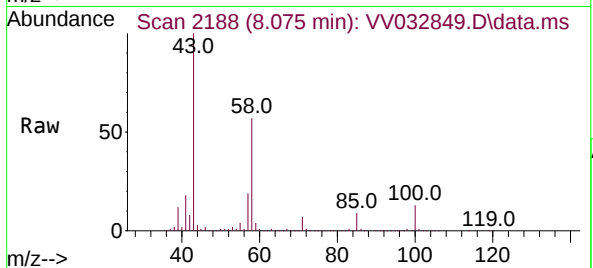
Ion Ratio Lower Upper

43 100

58 55.4 43.3 64.9

57 18.3 15.5 23.3

100 13.5 10.8 16.2



#49

Dibromochloromethane

Concen: 49.394 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. -0.000 min

Lab File: VV032849.D

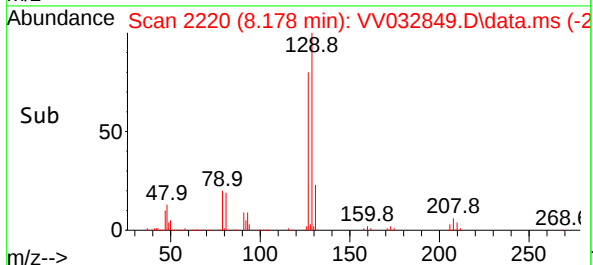
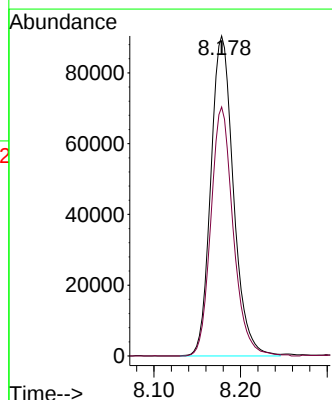
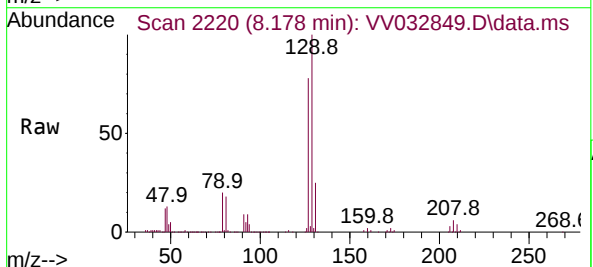
Acq: 06 Nov 2023 12:13

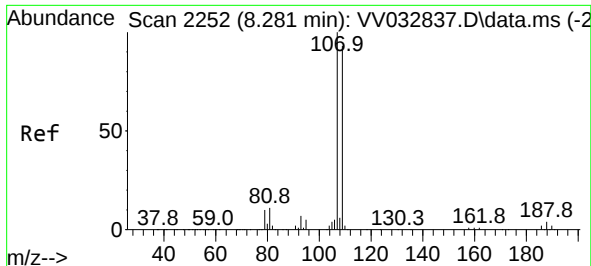
Tgt Ion:129 Resp: 164581

Ion Ratio Lower Upper

129 100

127 77.8 54.7 101.5





#50

1,2-Dibromoethane

Concen: 49.605 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

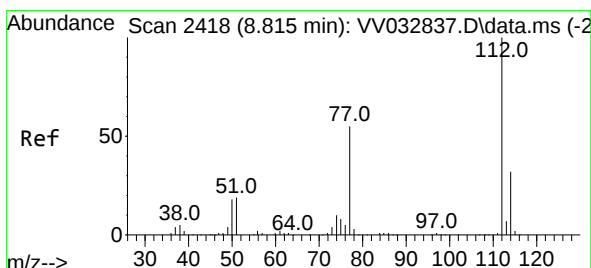
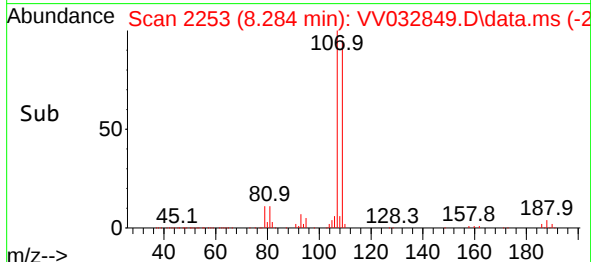
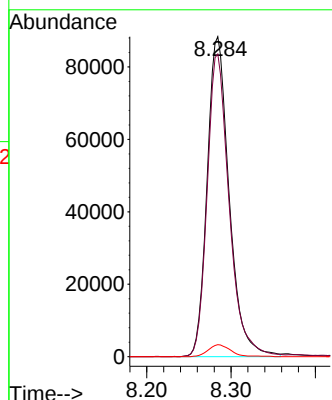
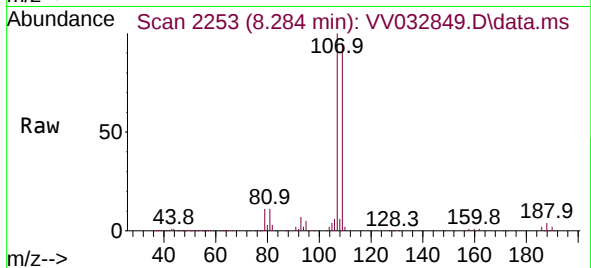
Tgt Ion:107 Resp: 161065

Ion Ratio Lower Upper

107 100

109 94.6 66.4 123.2

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 47.687 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

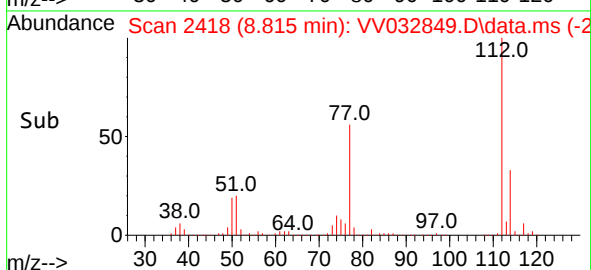
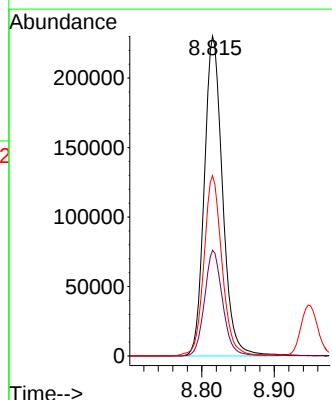
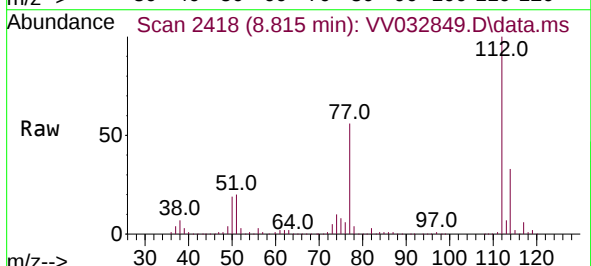
Tgt Ion:112 Resp: 402442

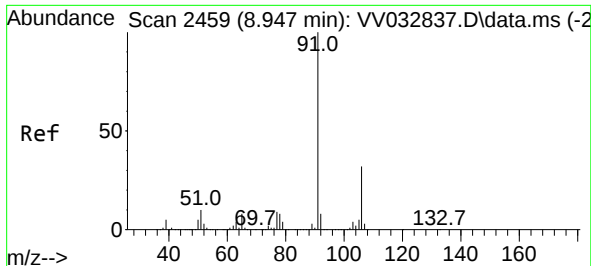
Ion Ratio Lower Upper

112 100

114 33.1 21.6 40.2

77 56.4 44.4 66.6

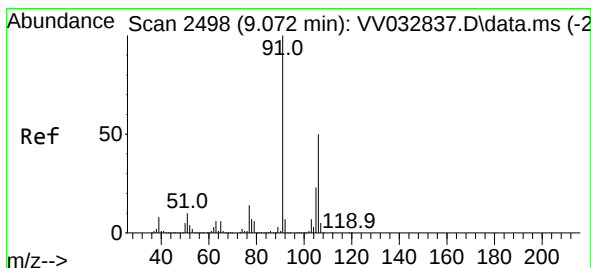
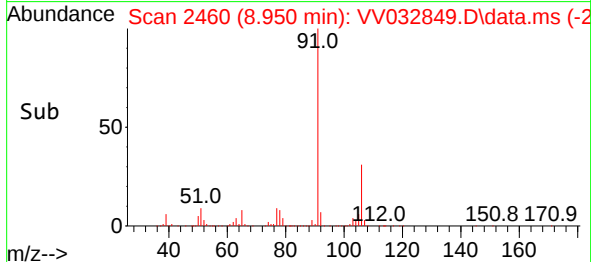
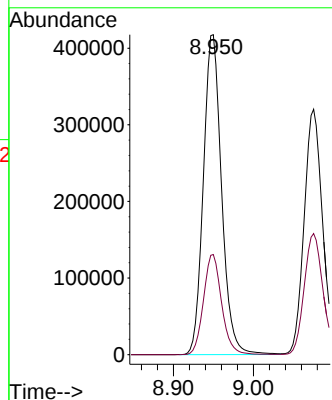
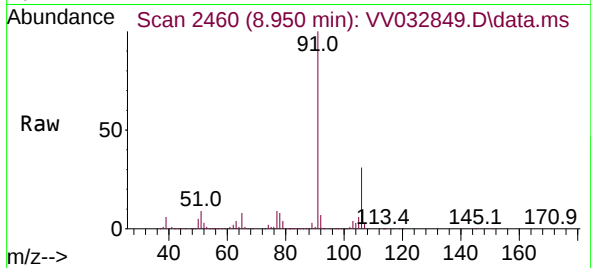




#52
Ethylbenzene
Concen: 50.430 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

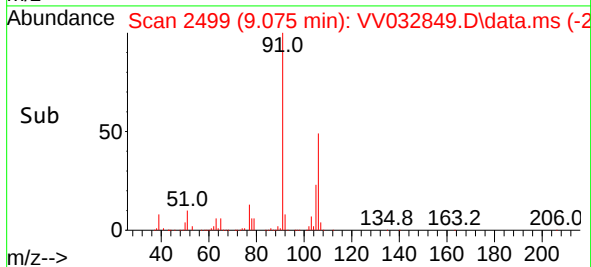
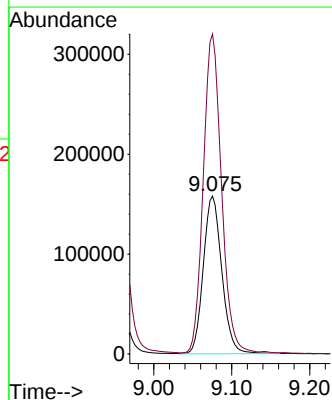
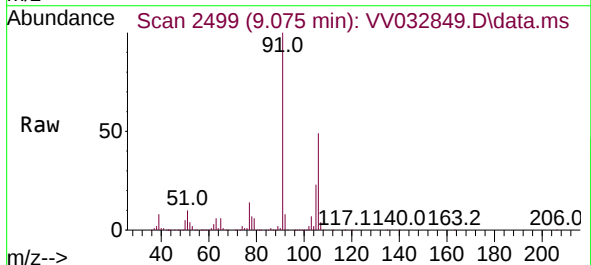
Instrument :
MSVOA_V
ClientSampleId :

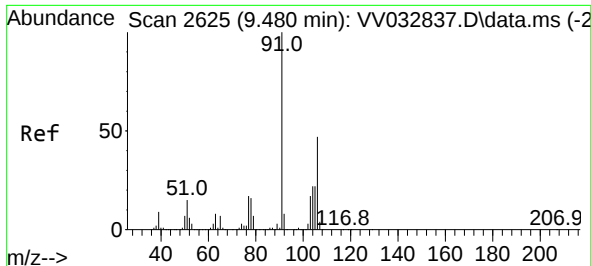
Tgt Ion: 91 Resp: 663136
Ion Ratio Lower Upper
91 100
106 31.3 21.7 40.3



#53
m,p-Xylene
Concen: 51.807 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

Tgt Ion: 106 Resp: 259275
Ion Ratio Lower Upper
106 100
91 202.7 139.7 259.5

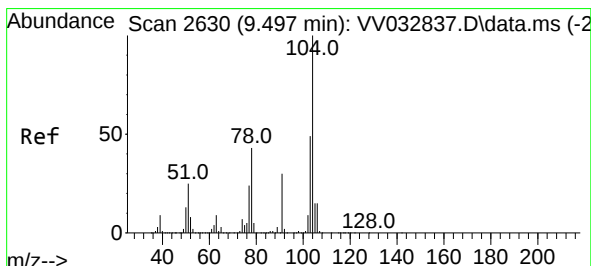
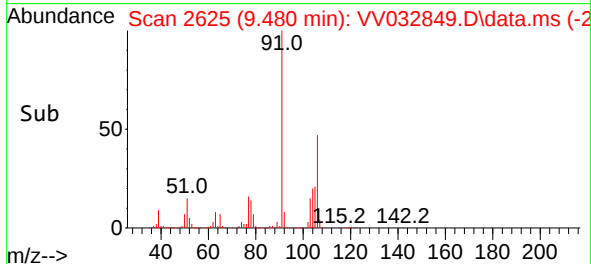
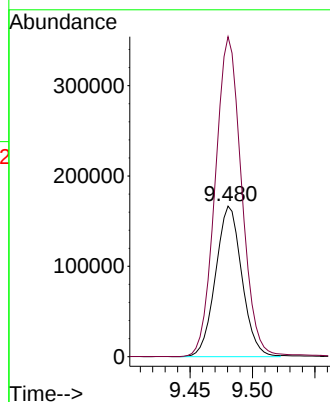
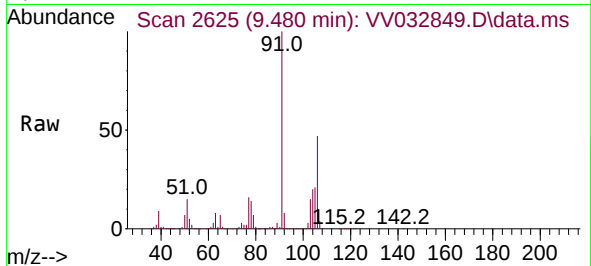




#54
o-Xylene
Concen: 50.569 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

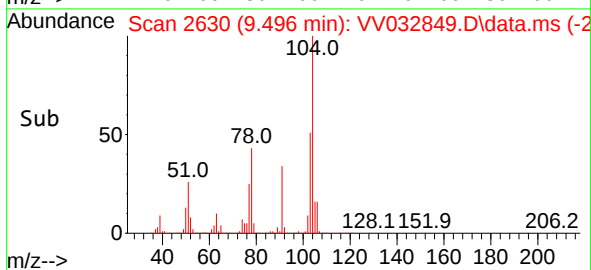
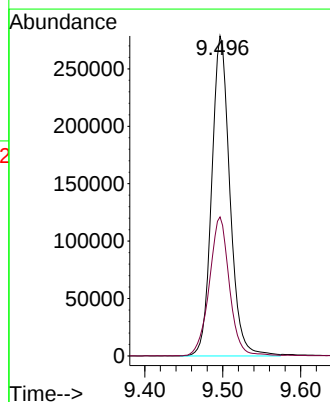
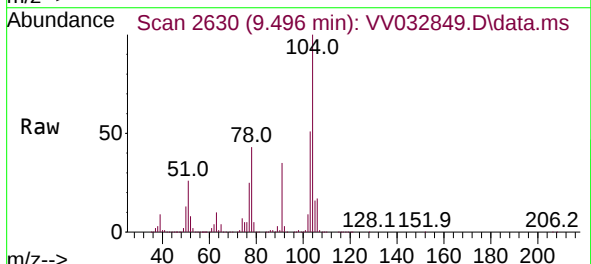
Instrument :
MSVOA_V
ClientSampleId :

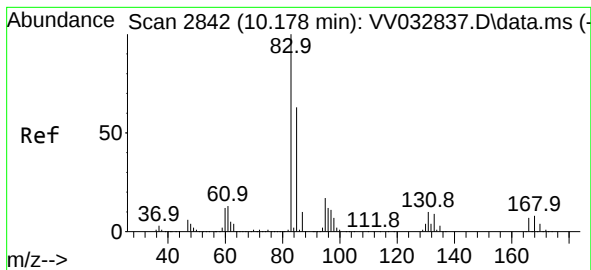
Tgt Ion:106 Resp: 245179
Ion Ratio Lower Upper
106 100
91 212.6 151.0 280.4



#55
Styrene
Concen: 53.668 ug/L
RT: 9.496 min Scan# 2630
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

Tgt Ion:104 Resp: 453461
Ion Ratio Lower Upper
104 100
78 43.5 30.1 55.9

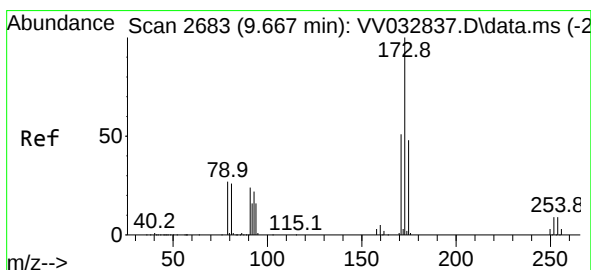
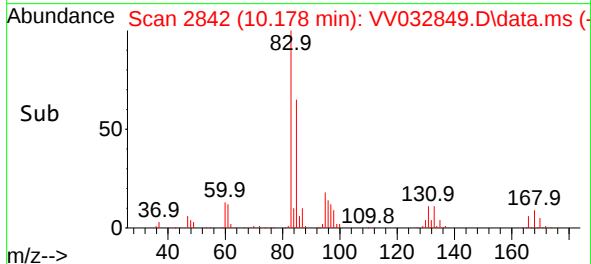
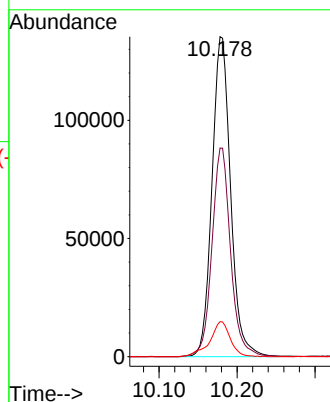
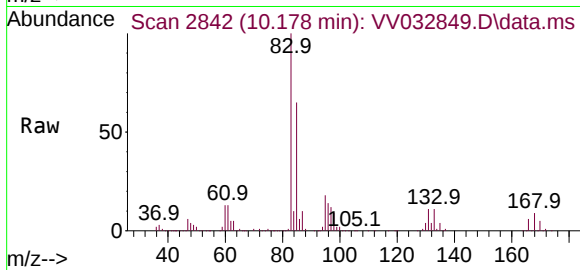




#57
1,1,2,2-Tetrachloroethane
Concen: 47.006 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

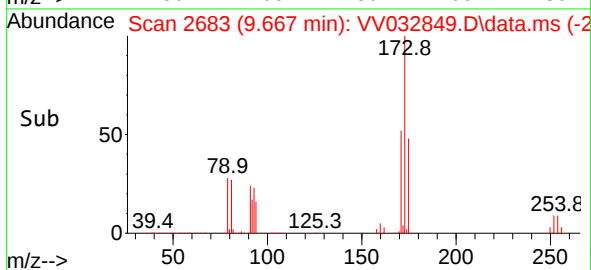
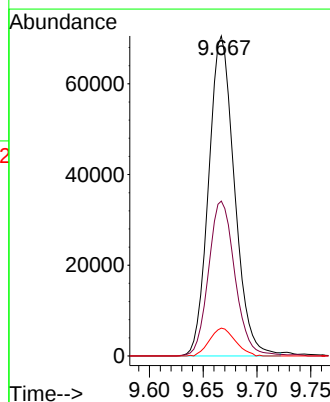
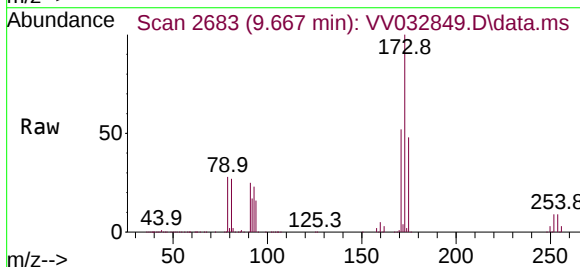
Instrument :
MSVOA_V
ClientSampleId :

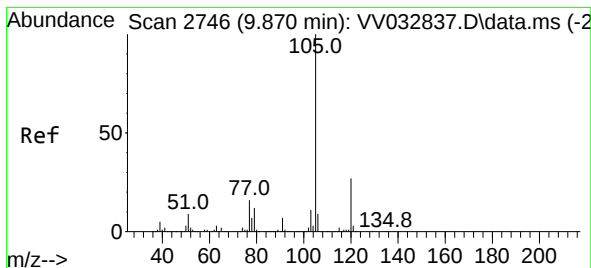
Tgt Ion: 83 Resp: 224373
Ion Ratio Lower Upper
83 100
85 65.2 44.9 83.3
131 11.0 7.8 11.6



#59
Bromoform
Concen: 47.459 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. -0.000 min
Lab File: VV032849.D
Acq: 06 Nov 2023 12:13

Tgt Ion: 173 Resp: 118057
Ion Ratio Lower Upper
173 100
175 49.4 38.4 57.6
254 8.6 7.0 10.6





#60

Isopropylbenzene

Concen: 50.418 ug/L

RT: 9.869 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

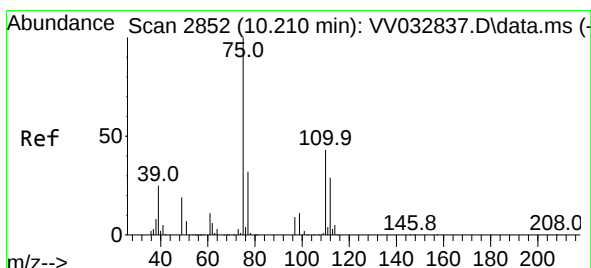
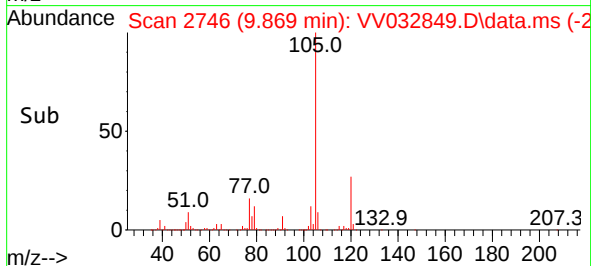
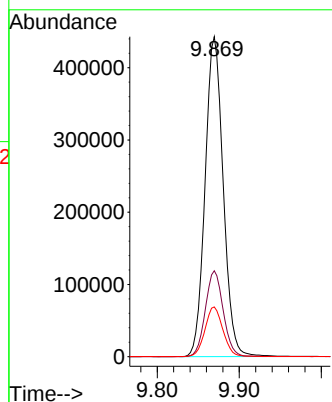
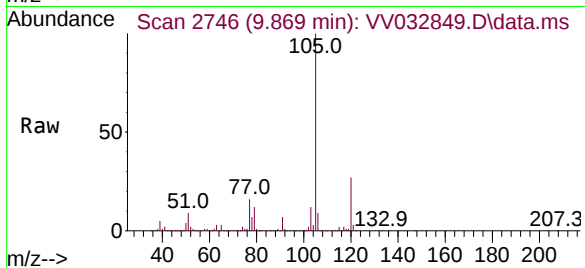
Tgt Ion:105 Resp: 678378

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

77 15.5 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 46.207 ug/L

RT: 10.210 min Scan# 2852

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

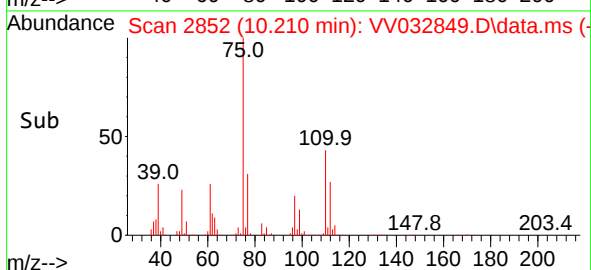
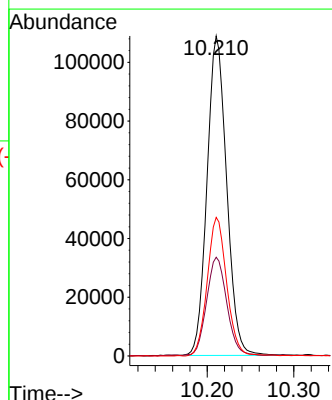
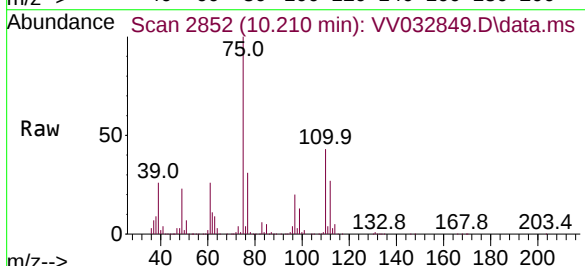
Tgt Ion: 75 Resp: 171240

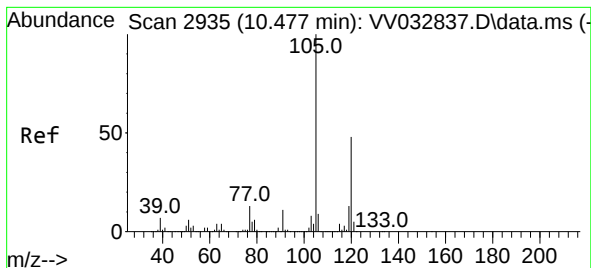
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

110 43.1 34.3 51.5





#62

1,3,5-Trimethylbenzene

Concen: 51.718 ug/L

RT: 10.480 min Scan# 2935

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

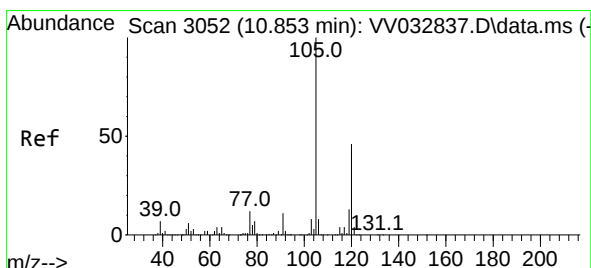
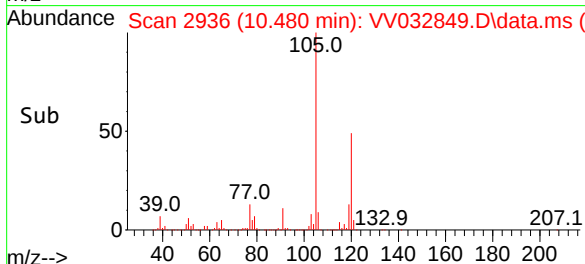
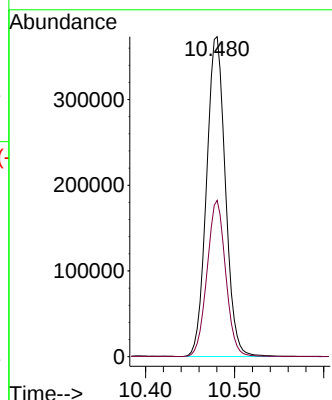
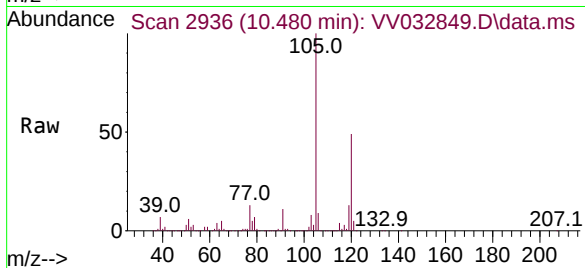
ClientSampleId :

Tgt Ion:105 Resp: 547581

Ion Ratio Lower Upper

105 100

120 48.4 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 51.987 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032849.D

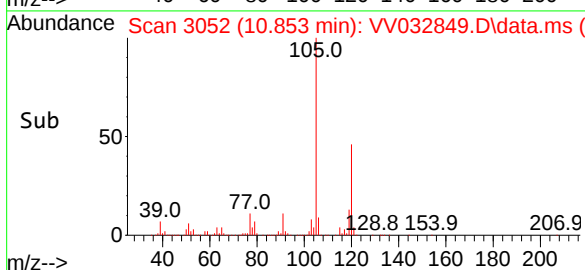
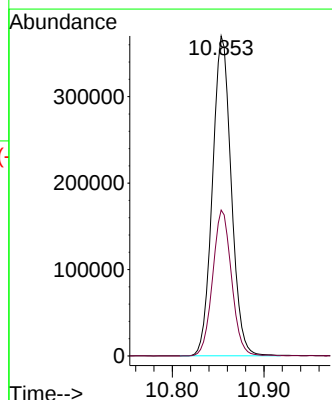
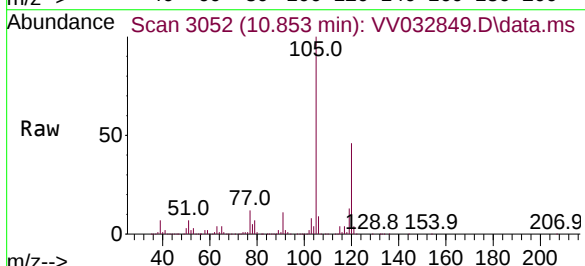
Acq: 06 Nov 2023 12:13

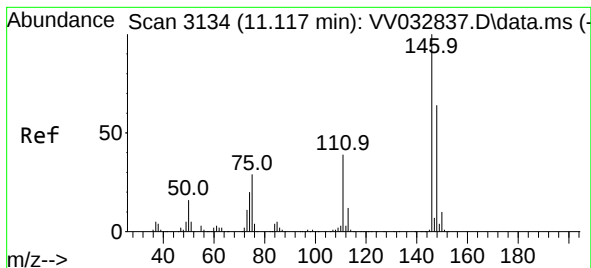
Tgt Ion:105 Resp: 526539

Ion Ratio Lower Upper

105 100

120 45.8 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 49.354 ug/L

RT: 11.120 min Scan# 3134

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

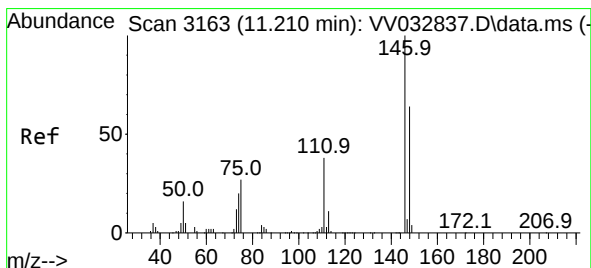
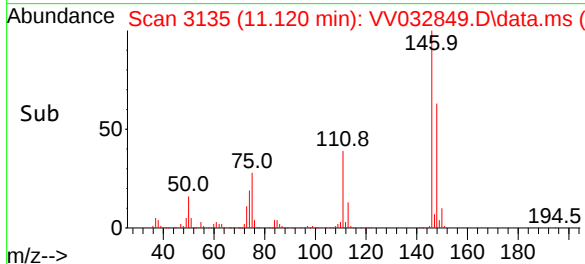
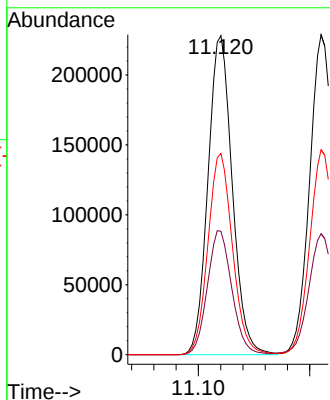
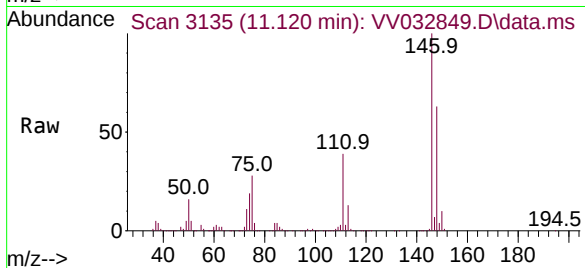
Tgt Ion:146 Resp: 345945

Ion Ratio Lower Upper

146 100

111 38.7 27.2 50.4

148 63.1 44.6 82.8



#65

1,4-Dichlorobenzene

Concen: 47.836 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

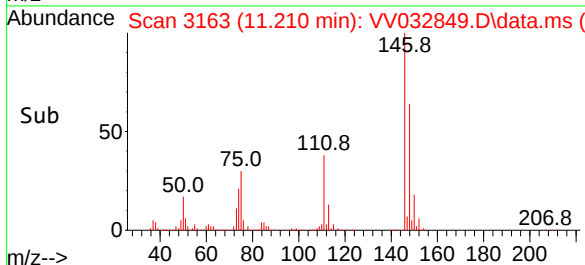
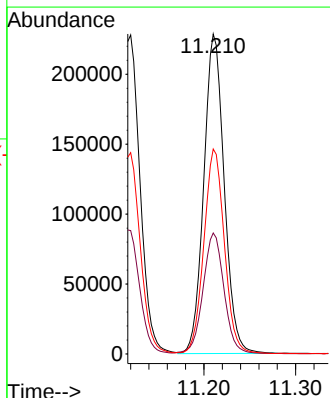
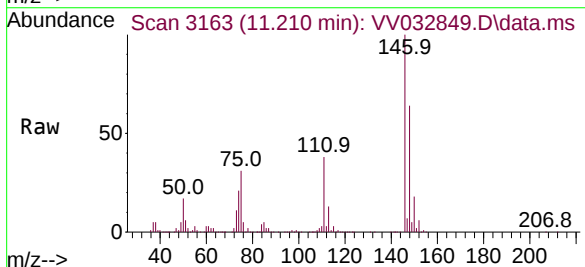
Tgt Ion:146 Resp: 353795

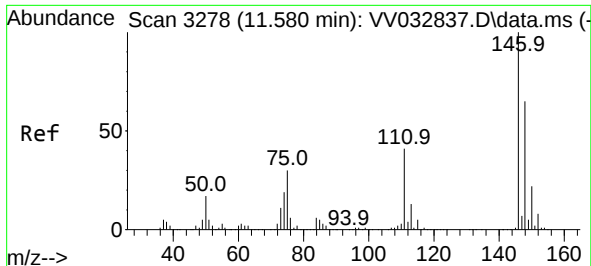
Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

148 64.0 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 48.812 ug/L

RT: 11.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

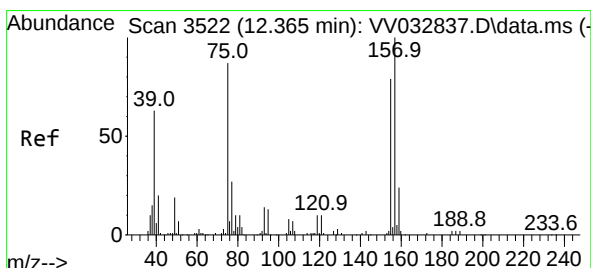
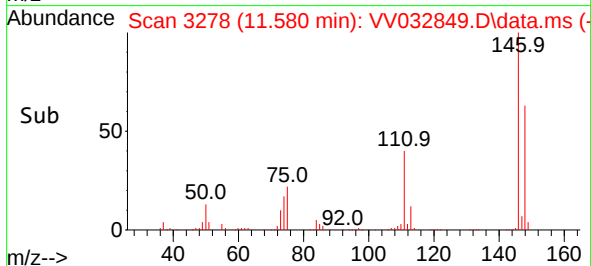
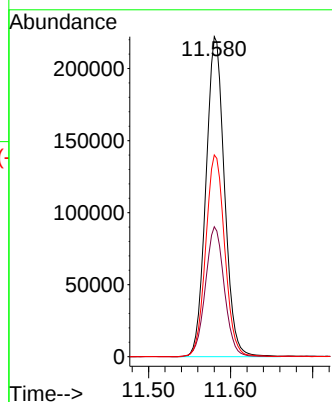
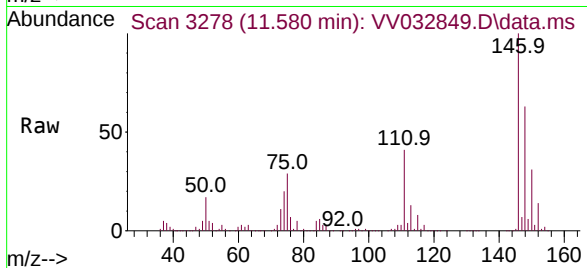
Tgt Ion:146 Resp: 349290

Ion Ratio Lower Upper

146 100

111 40.6 32.5 48.7

148 63.0 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 46.269 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

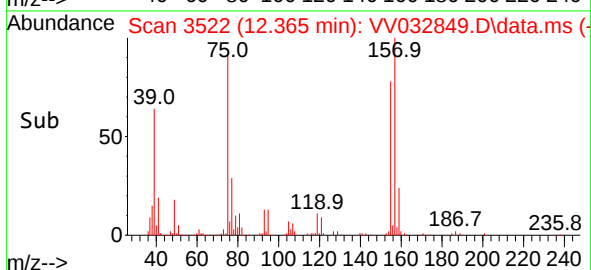
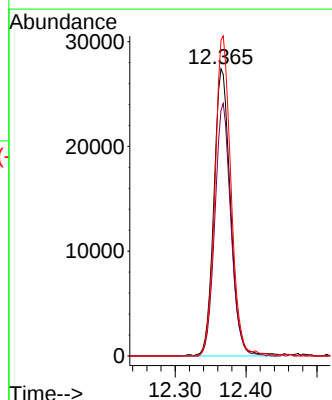
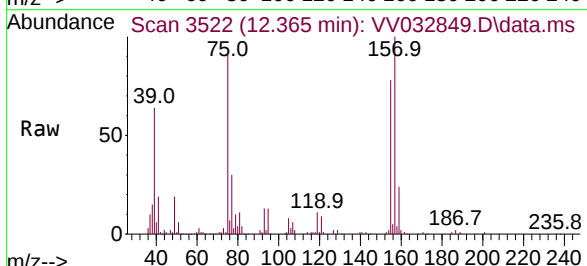
Tgt Ion: 75 Resp: 44625

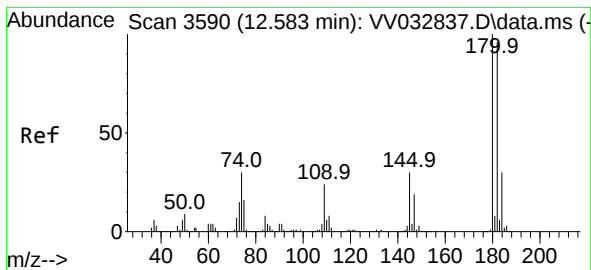
Ion Ratio Lower Upper

75 100

155 85.6 68.6 102.8

157 110.0 87.3 130.9





#69

1,3,5-Trichlorobenzene

Concen: 47.705 ug/L

RT: 12.586 min Scan# 3590

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 241401

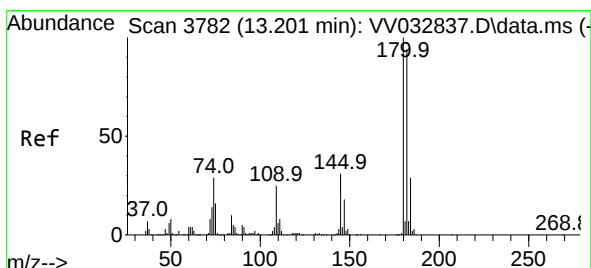
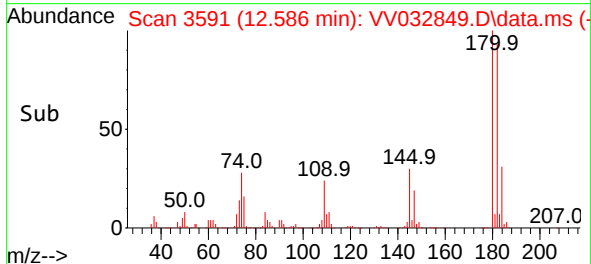
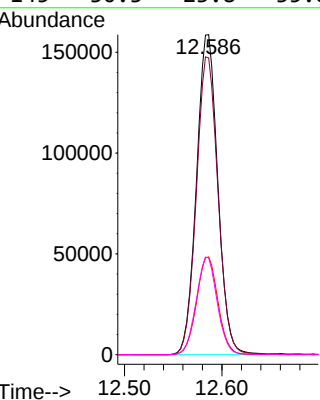
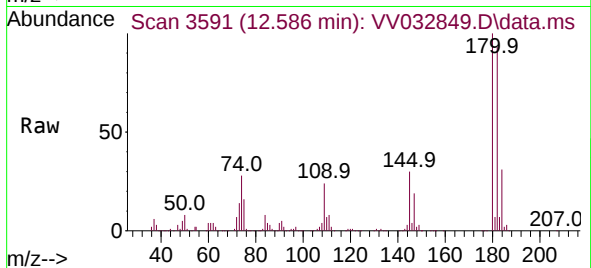
Ion Ratio Lower Upper

180 100

182 94.3 75.9 113.9

184 30.6 23.5 35.3

145 30.3 23.8 35.8



#70

1,2,4-trichlorobenzene

Concen: 48.054 ug/L

RT: 13.200 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

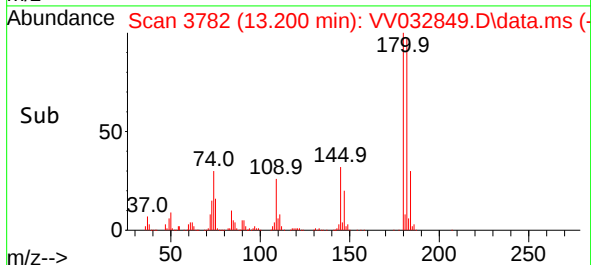
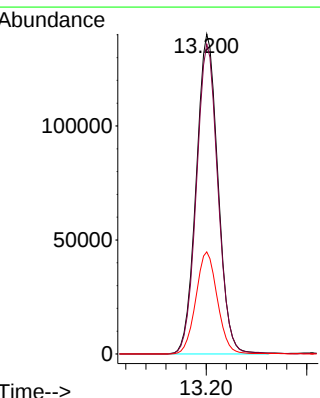
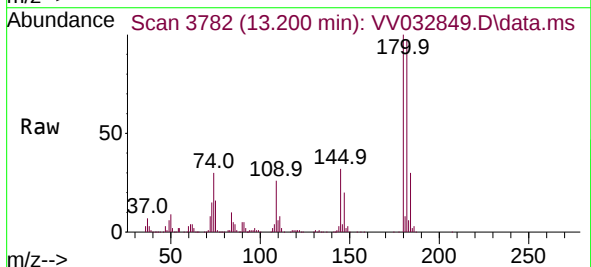
Tgt Ion:180 Resp: 210294

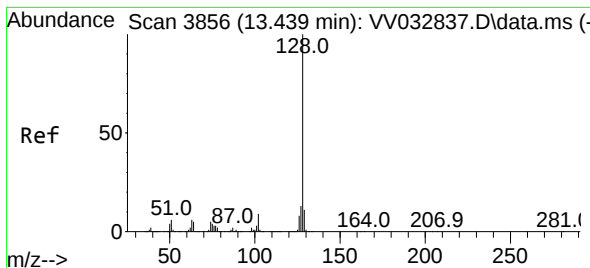
Ion Ratio Lower Upper

180 100

182 95.9 76.9 115.3

145 31.5 24.7 37.1





#71

Naphthalene

Concen: 50.477 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.003 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Instrument :

MSVOA_V

ClientSampleId :

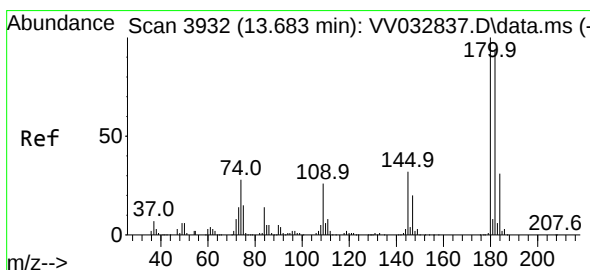
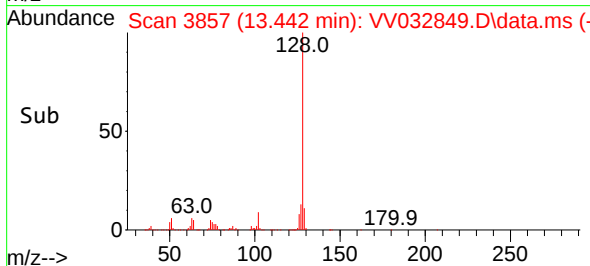
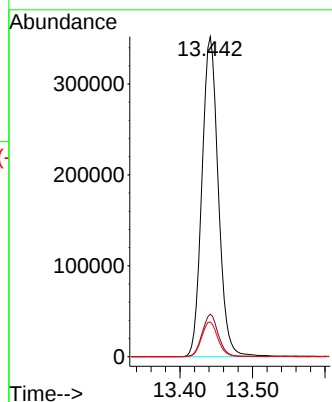
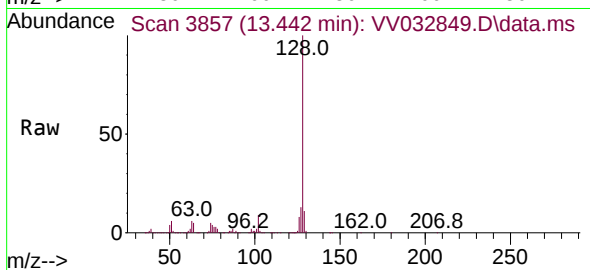
Tgt Ion:128 Resp: 551629

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.8 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 50.970 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032849.D

Acq: 06 Nov 2023 12:13

Tgt Ion:180 Resp: 222707

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

145 32.5 25.8 38.8

