

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
 Data File : VV037009.D
 Acq On : 22 Aug 2024 15:51
 Operator : SY/MD
 Sample : P3696-03MSD
 Misc : 5.25g/10mL/MSVOA_V/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 05:21:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 05:07:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	885057	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	616505	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	163426	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	166127	13.396	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.600%
7) Chloroethane-d5	1.532	69	166839	15.728	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.920%
11) 1,1-Dichloroethene-d2	2.057	65	86080	14.409	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.640%
21) 2-Butanone-d5	3.828	46	22208	9.656	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	19.320%#
24) Chloroform-d	4.243	84	439125	17.606	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.440%
26) 1,2-Dichloroethane-d4	4.937	65	214164	18.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.680%
32) Benzene-d6	4.954	84	813518	22.021	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.080%
36) 1,2-Dichloropropane-d6	5.986	67	266760	23.850	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.400%
41) Toluene-d8	7.236	98	657661	19.531	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.120%
43) trans-1,3-Dichloroprop...	7.551	79	92597	23.730	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.920%
47) 2-Hexanone-d5	8.034	63	53899	54.481	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.960%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	126924	20.497	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.000%
66) 1,2-Dichlorobenzene-d4	11.555	152	98657	16.864	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	67.440%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	205873	14.893	ug/L	100
3) Chloromethane	1.221	50	290898	18.176	ug/L	98
5) Vinyl chloride	1.282	62	292483	18.453	ug/L	100
6) Bromomethane	1.487	94	197714	19.613	ug/L	98
8) Chloroethane	1.549	64	197175	19.695	ug/L	98
9) Trichlorofluoromethane	1.712	101	355922	17.007	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	193012	14.964	ug/L	99
12) 1,1-Dichloroethene	2.069	96	219773	18.296	ug/L	89
13) Acetone	2.140	43	98284	36.415	ug/L	89
14) Carbon disulfide	2.237	76	692833	17.418	ug/L	99
15) Methyl Acetate	2.381	43	101571	23.091	ug/L	97
16) Methylene chloride	2.442	84	287101	16.308	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	254303	19.341	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	598237	21.961	ug/L	99
19) 1,1-Dichloroethane	3.105	63	498303	19.468	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	271229	19.231	ug/L	98
22) 2-Butanone	3.909	43	27901	10.045	ug/L	82
23) Bromochloromethane	4.140	128	106846	19.090	ug/L	97
25) Chloroform	4.269	83	478181	19.113	ug/L	100

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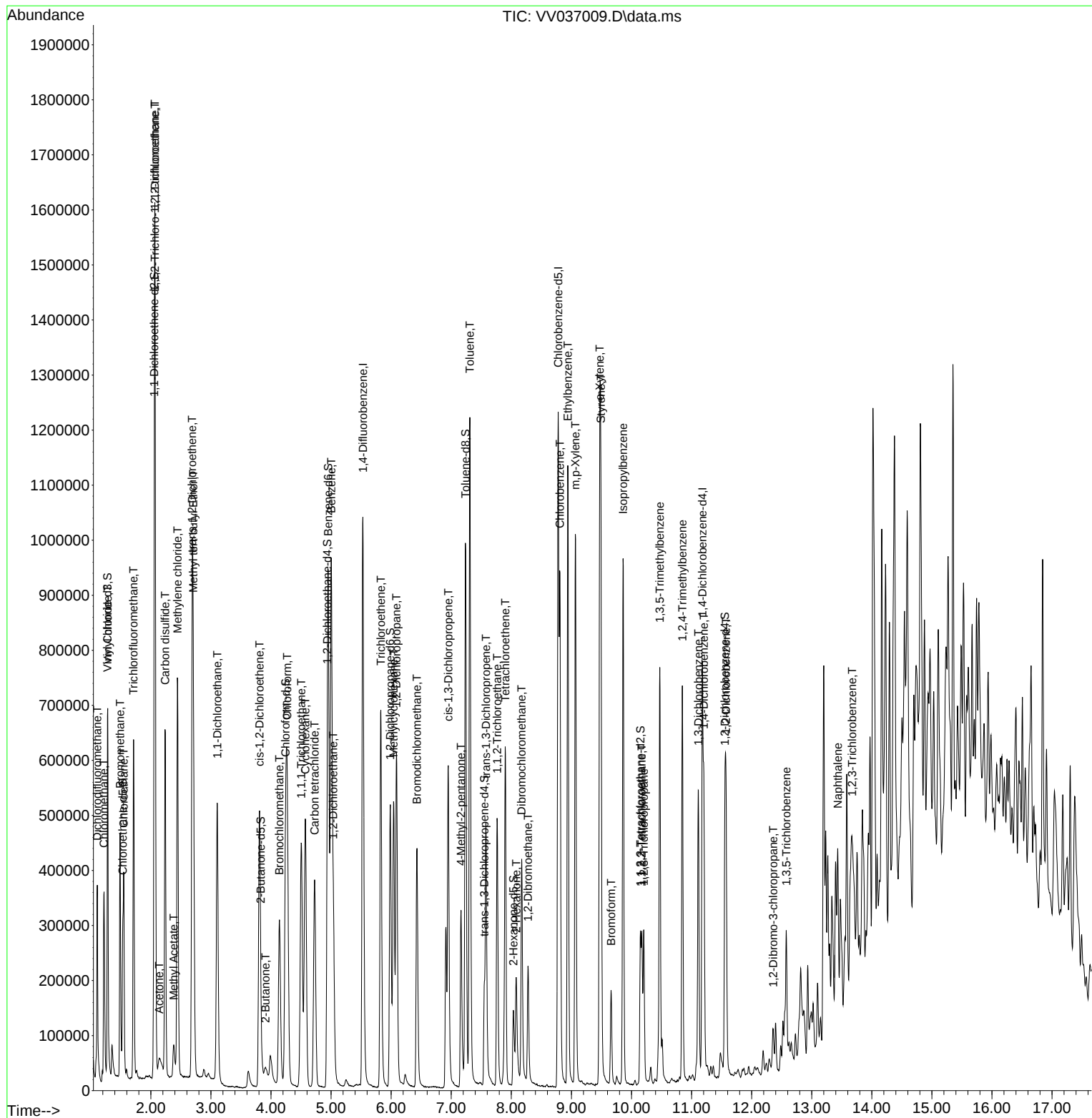
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	278815	20.379	ug/L	99
29) Cyclohexane	4.571	56	275725	17.240	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	373023	23.995	ug/L	99
31) Carbon tetrachloride	4.725	117	287085	21.881	ug/L	99
33) Benzene	5.002	78	957367	23.821	ug/L	100
34) Trichloroethene	5.828	95	244778	21.575	ug/L	99
35) Methylcyclohexane	6.040	83	225116	12.833	ug/L	99
37) 1,2-Dichloropropane	6.089	63	233961	24.098	ug/L	100
38) Bromodichloromethane	6.429	83	296263	24.567	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	351741	24.811	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	236939	57.809	ug/L	99
42) Toluene	7.310	91	882214	20.953	ug/L	97
44) trans-1,3-Dichloropropene	7.577	75	276498	25.632	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	152125	23.876	ug/L	98
46) Tetrachloroethene	7.899	164	127588	15.906	ug/L	94
48) 2-Hexanone	8.082	43	144109	46.929	ug/L	95
49) Dibromochloromethane	8.172	129	159446	22.747	ug/L	99
50) 1,2-Dibromoethane	8.278	107	137429	23.900	ug/L	96
51) Chlorobenzene	8.809	112	484517	18.020	ug/L	99
52) Ethylbenzene	8.940	91	789000	16.619	ug/L	100
53) m,p-Xylene	9.066	106	280522	15.903	ug/L	97
54) o-Xylene	9.471	106	264458	15.695	ug/L	96
55) Styrene	9.490	104	449036	16.146	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	126475	21.441	ug/L	99
59) Bromoform	9.661	173	71595	38.682	ug/L	97
60) Isopropylbenzene	9.860	105	596575	23.152	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	106100	40.260	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	392080	18.585	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	385616	18.753	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	202167	18.358	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	195886	17.808	ug/L	96
67) 1,2-Dichlorobenzene	11.574	146	176387	18.487	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	18748	36.404	ug/L	97
69) 1,3,5-Trichlorobenzene	12.577	180	64632	8.422	ug/L	98
71) Naphthalene	13.435	128	178669	19.312	ug/L #	91
72) 1,2,3-Trichlorobenzene	13.673	180	39303	7.729	ug/L #	85

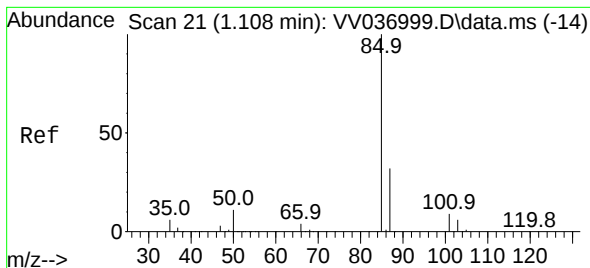
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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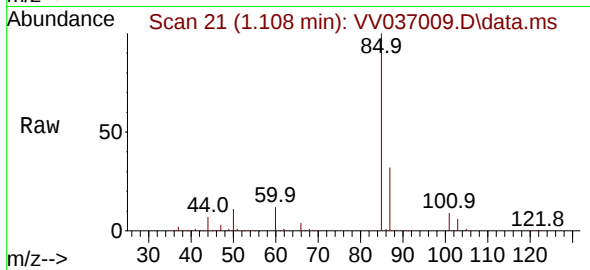
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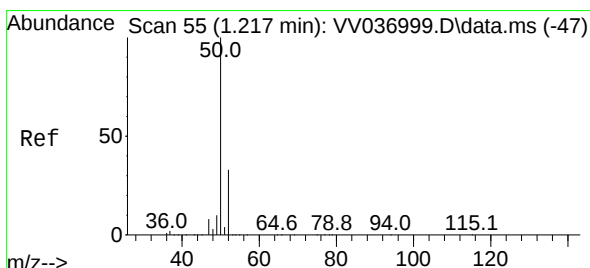
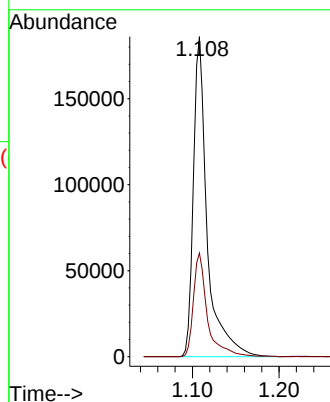
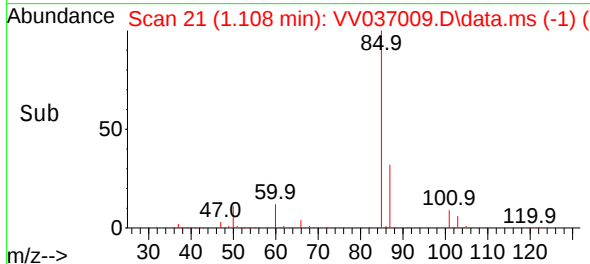


#2
 Dichlorodifluoromethane
 Concen: 14.893 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV037009.D
 Acq: 22 Aug 2024 15:51

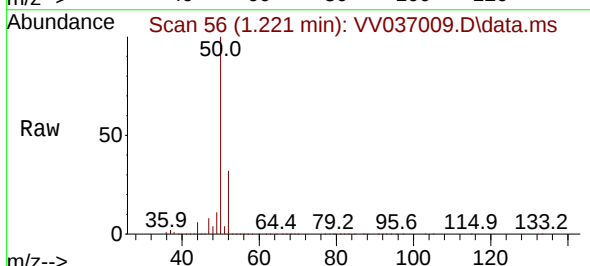
Instrument :
 MSVOA_V
 ClientSampleId :



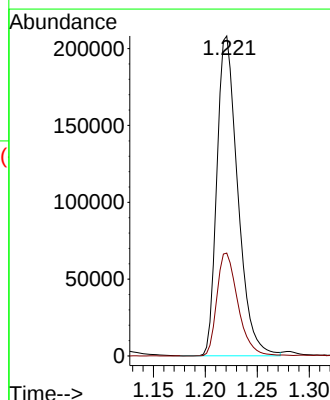
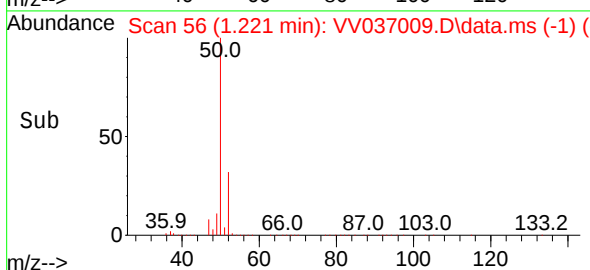
Tgt Ion: 85 Resp: 205873
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.1 39.1

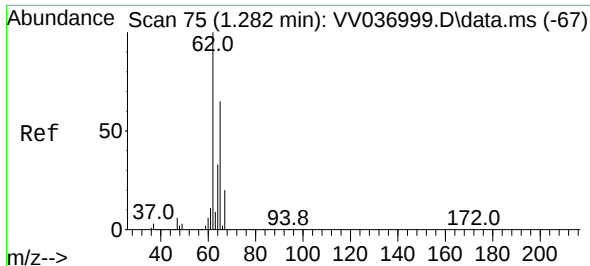


#3
 Chloromethane
 Concen: 18.176 ug/L
 RT: 1.221 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV037009.D
 Acq: 22 Aug 2024 15:51



Tgt Ion: 50 Resp: 290898
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.2 43.2

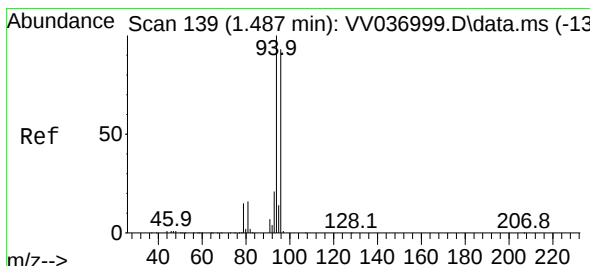
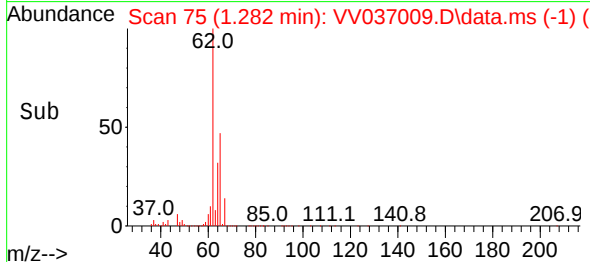
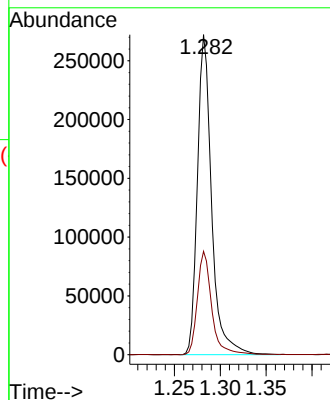
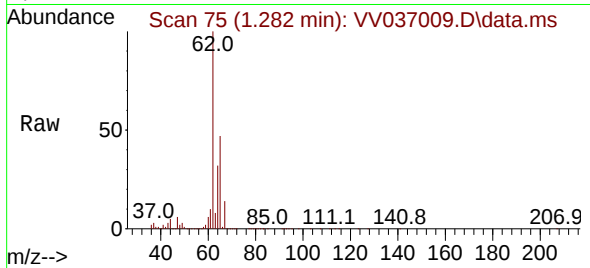




#5
 Vinyl chloride
 Concen: 18.453 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV037009.D
 Acq: 22 Aug 2024 15:51

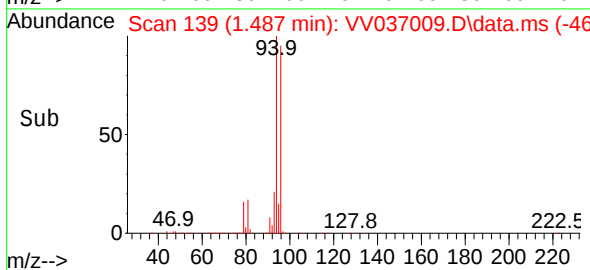
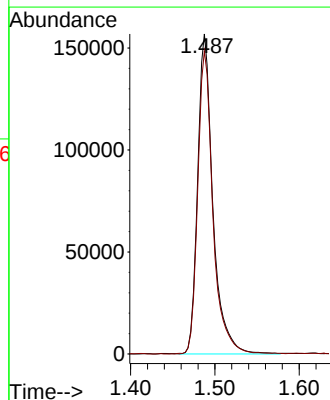
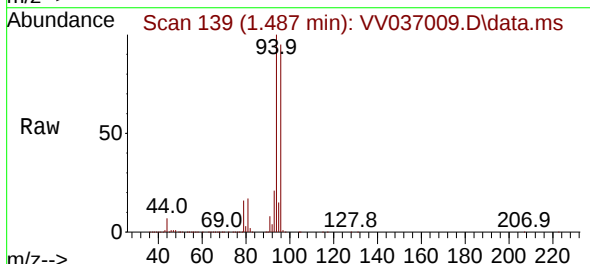
Instrument :
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 ClientSampleId :

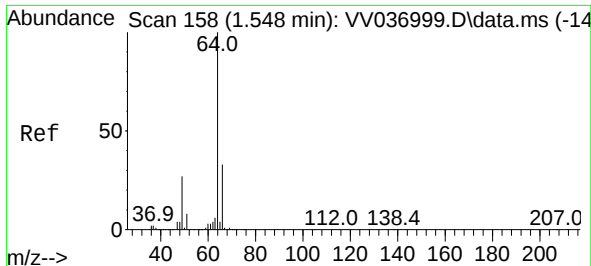
Tgt Ion: 62 Resp: 292483
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.8 42.4



#6
 Bromomethane
 Concen: 19.613 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV037009.D
 Acq: 22 Aug 2024 15:51

Tgt Ion: 94 Resp: 197714
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.0 120.6

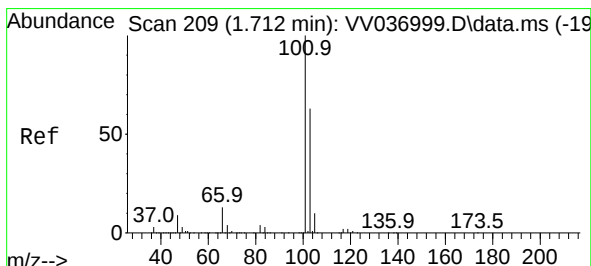
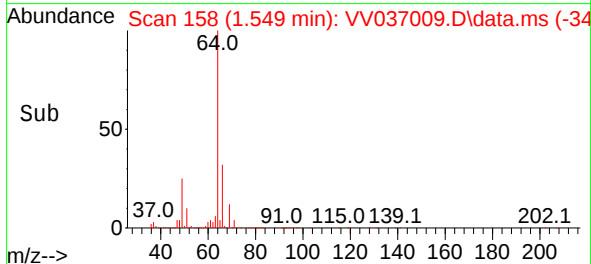
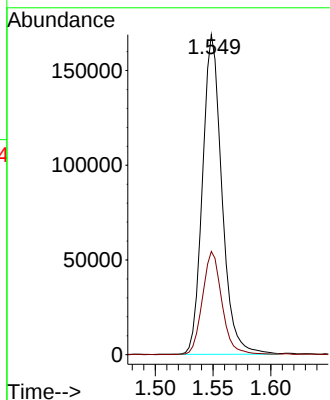
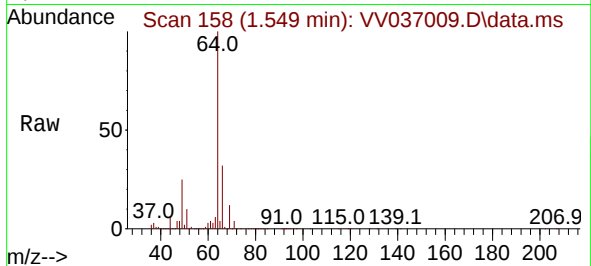




#8
Chloroethane
Concen: 19.695 ug/L
RT: 1.549 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

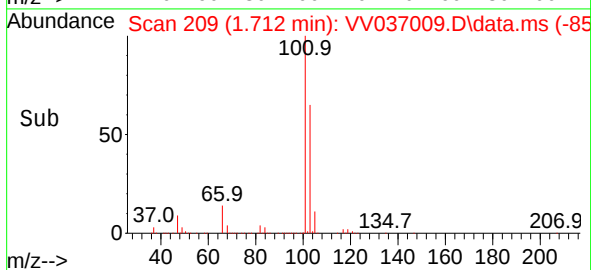
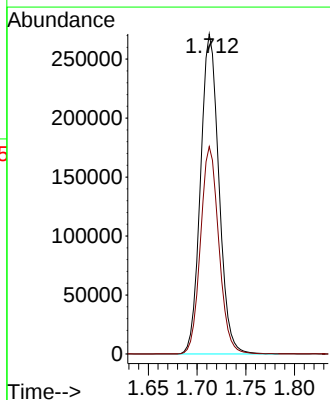
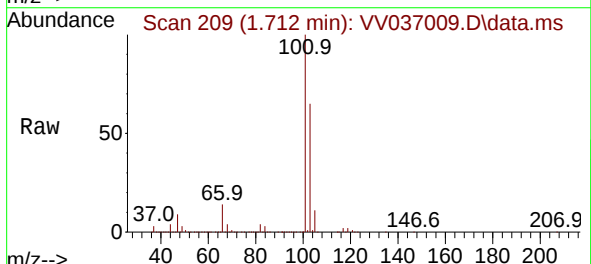
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ClientSampleId :

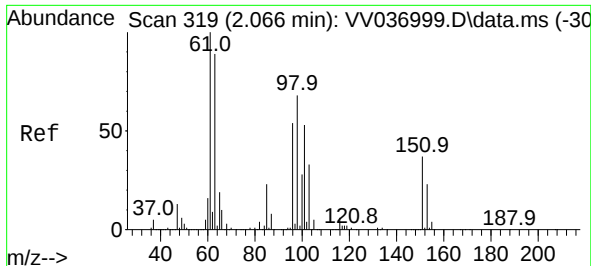
Tgt Ion: 64 Resp: 197175
Ion Ratio Lower Upper
64 100
66 32.2 23.2 43.0



#9
Trichlorofluoromethane
Concen: 17.007 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion:101 Resp: 355922
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

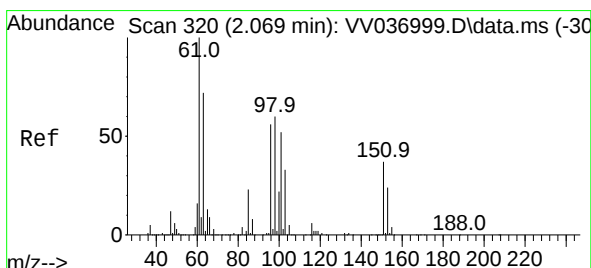
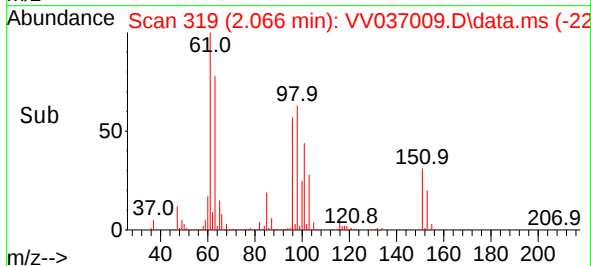
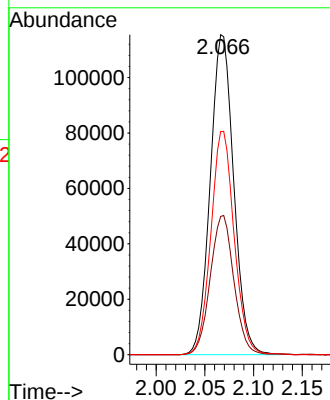
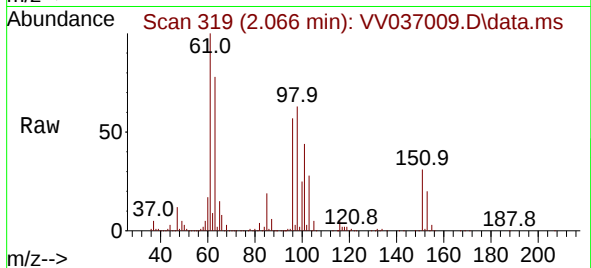




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 14.964 ug/L
RT: 2.066 min Scan# 319
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

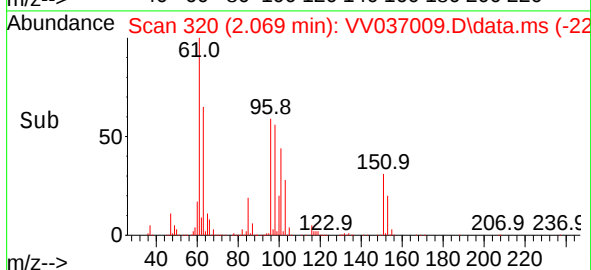
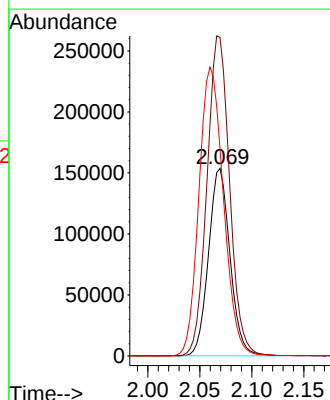
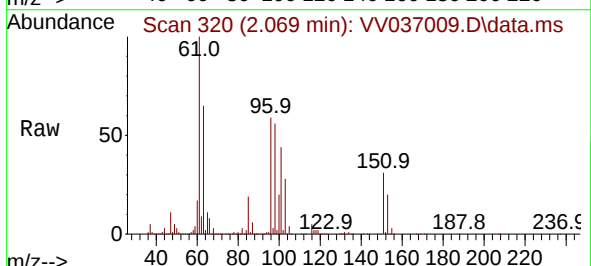
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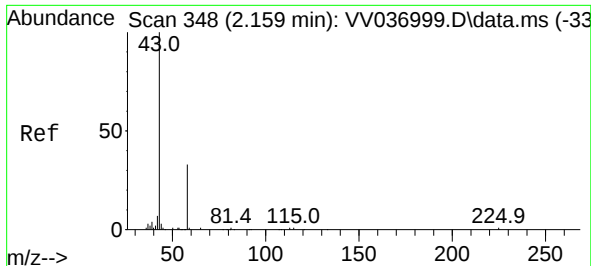
Tgt Ion:101 Resp: 193012
Ion Ratio Lower Upper
101 100
85 43.9 35.6 53.4
151 69.4 56.3 84.5



#12
1,1-Dichloroethene
Concen: 18.296 ug/L
RT: 2.069 min Scan# 320
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 96 Resp: 219773
Ion Ratio Lower Upper
96 100
61 169.9 126.0 234.0
63 110.4 91.0 169.0





#13

Acetone

Concen: 36.415 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.019 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

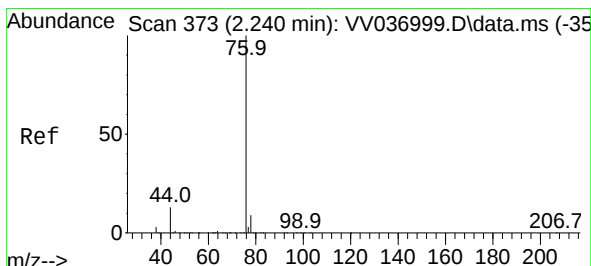
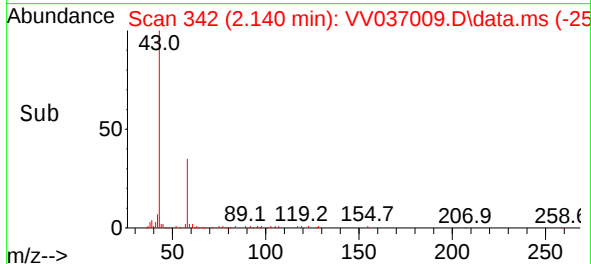
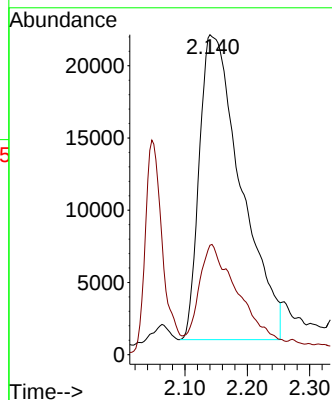
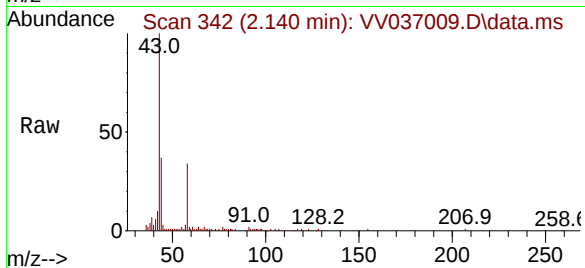
ClientSampleId :

Tgt Ion: 43 Resp: 98284

Ion Ratio Lower Upper

43 100

58 14.8 0.0 21.2



#14

Carbon disulfide

Concen: 17.418 ug/L

RT: 2.237 min Scan# 372

Delta R.T. -0.003 min

Lab File: VV037009.D

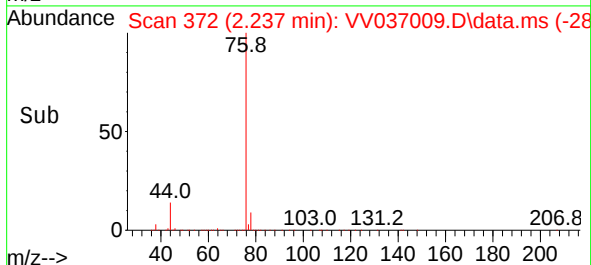
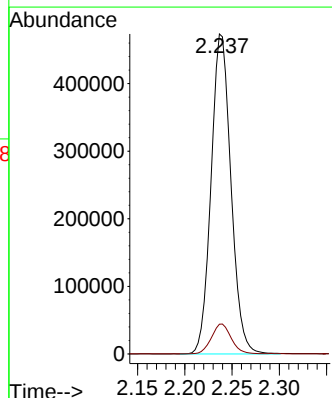
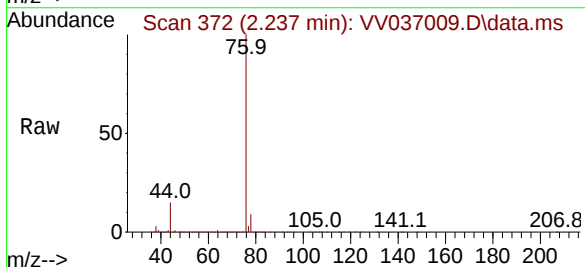
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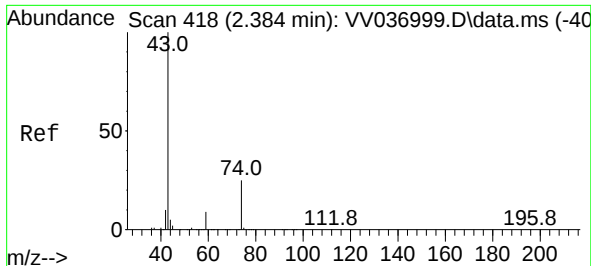
Tgt Ion: 76 Resp: 692833

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7





#15

Methyl Acetate

Concen: 23.091 ug/L

RT: 2.381 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

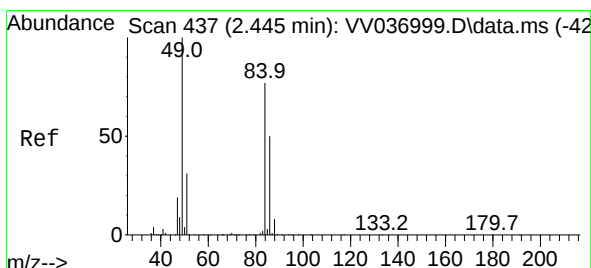
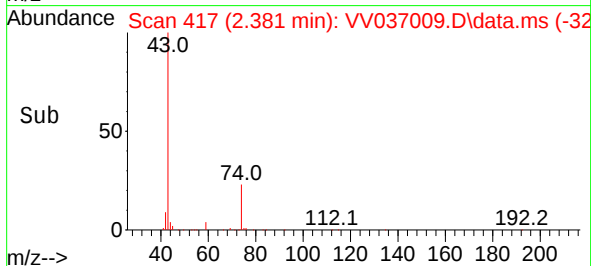
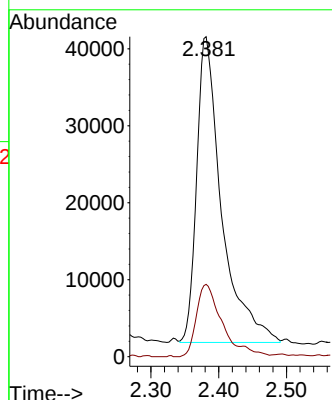
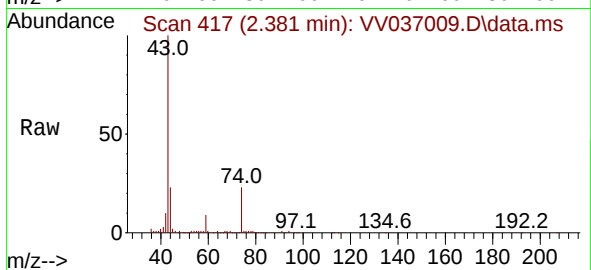
ClientSampleId :

Tgt Ion: 43 Resp: 101571

Ion Ratio Lower Upper

43 100

74 22.8 19.6 29.4



#16

Methylene chloride

Concen: 16.308 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.003 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

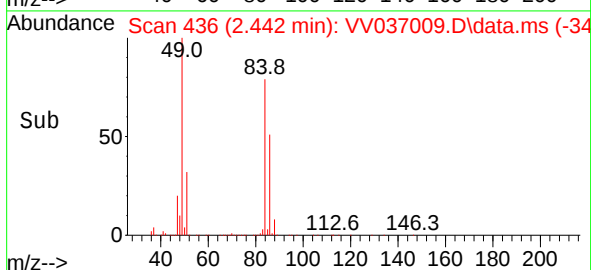
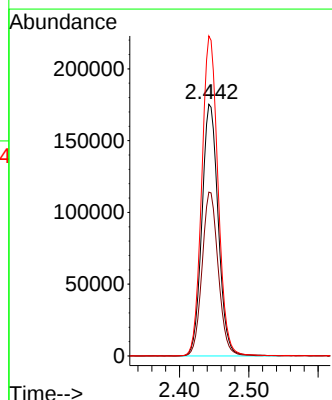
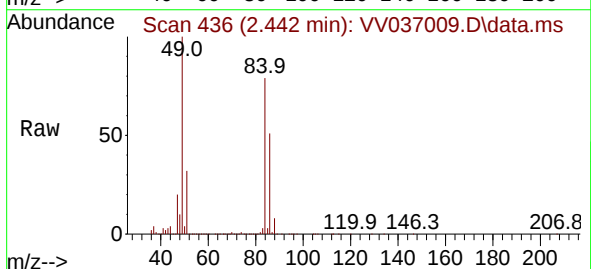
Tgt Ion: 84 Resp: 287101

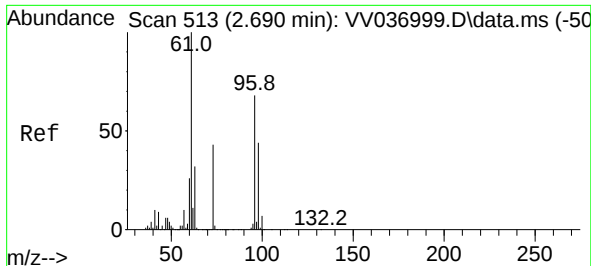
Ion Ratio Lower Upper

84 100

86 65.1 45.4 84.2

49 127.1 91.2 169.4

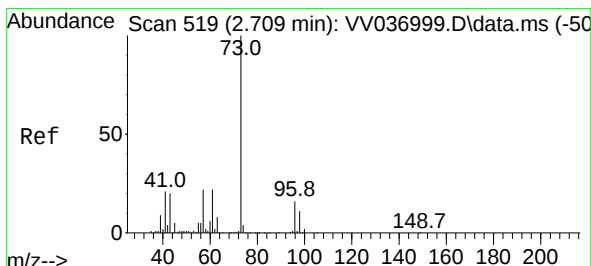
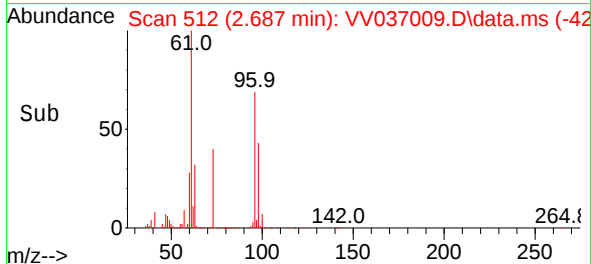
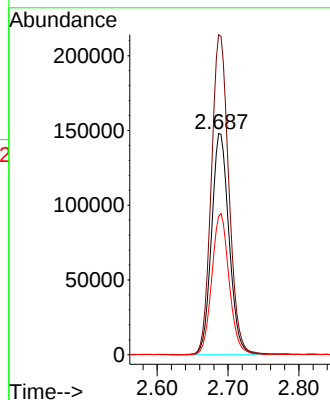
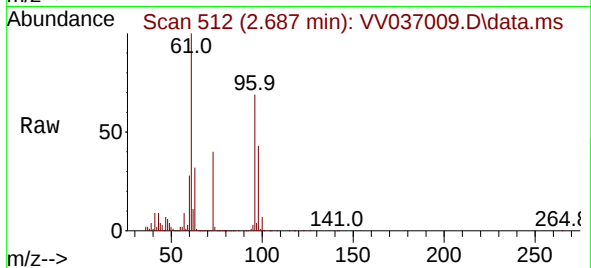




#17
trans-1,2-Dichloroethene
Concen: 19.341 ug/L
RT: 2.687 min Scan# 513
Delta R.T. -0.003 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

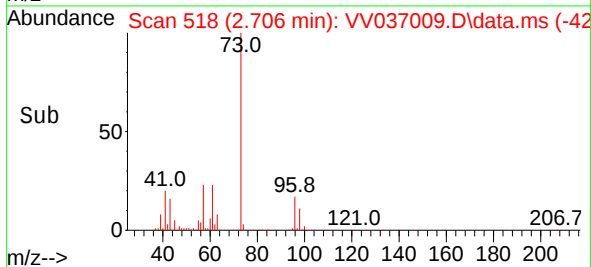
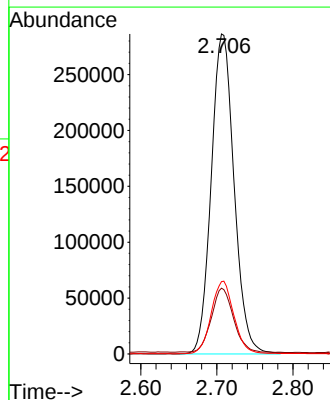
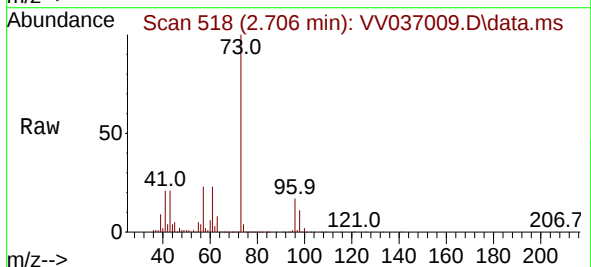
Instrument :
MSVOA_V
ClientSampleId :

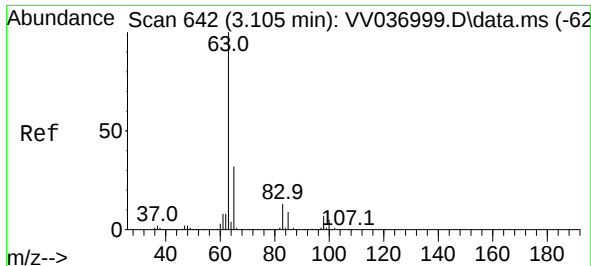
Tgt Ion: 96 Resp: 254303
Ion Ratio Lower Upper
96 100
61 144.7 103.3 191.9
98 62.6 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 21.961 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.003 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 73 Resp: 598237
Ion Ratio Lower Upper
73 100
43 19.2 15.9 23.9
57 22.4 17.6 26.4

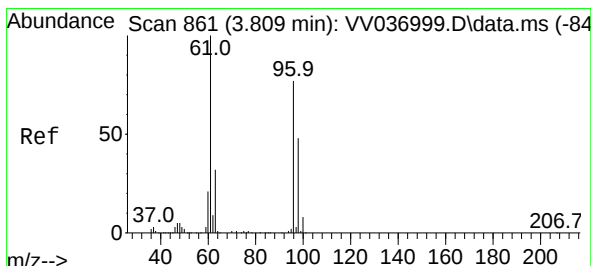
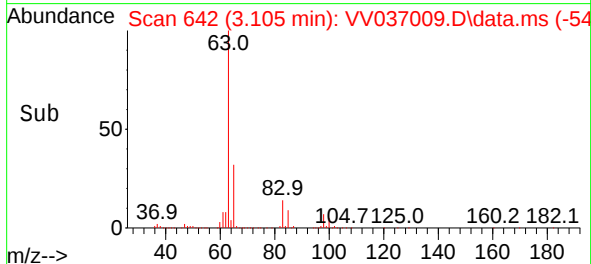
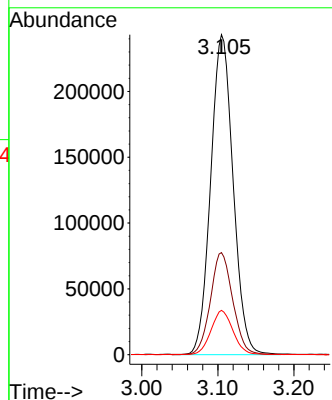
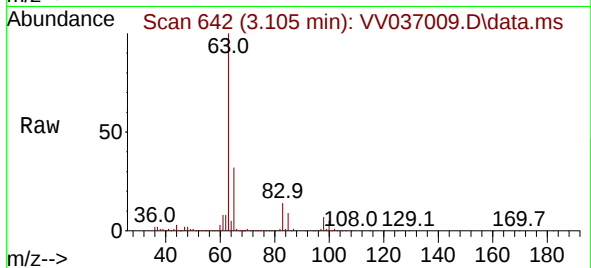




#19
1,1-Dichloroethane
Concen: 19.468 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

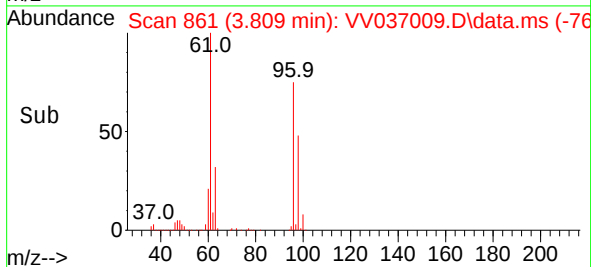
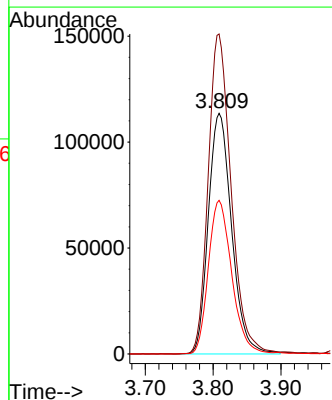
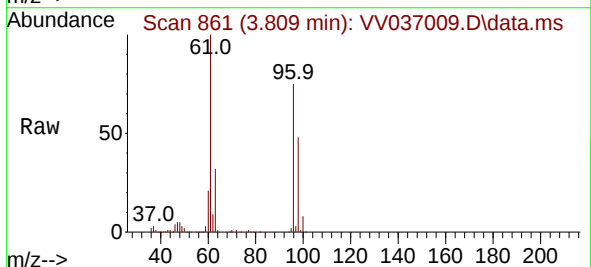
Instrument :
MSVOA_V
ClientSampleId :

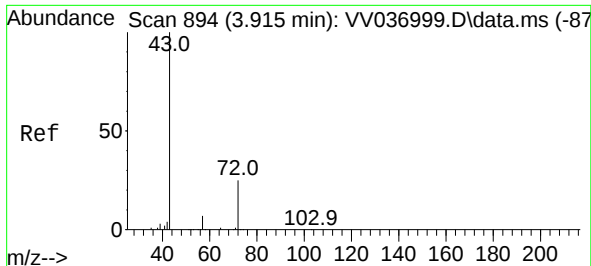
Tgt Ion: 63 Resp: 498303
Ion Ratio Lower Upper
63 100
65 31.9 22.3 41.3
83 13.9 9.0 16.6



#20
cis-1,2-Dichloroethene
Concen: 19.231 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 96 Resp: 271229
Ion Ratio Lower Upper
96 100
61 133.0 91.0 169.0
98 63.9 43.8 81.3





#22

2-Butanone

Concen: 10.045 ug/L

RT: 3.909 min Scan# 894

Delta R.T. -0.006 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

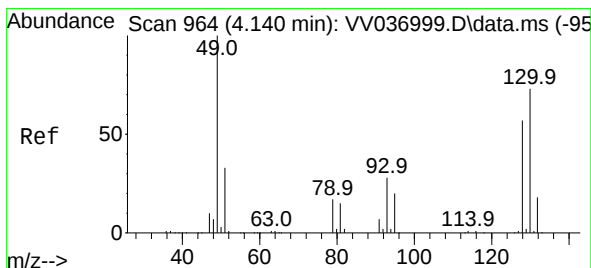
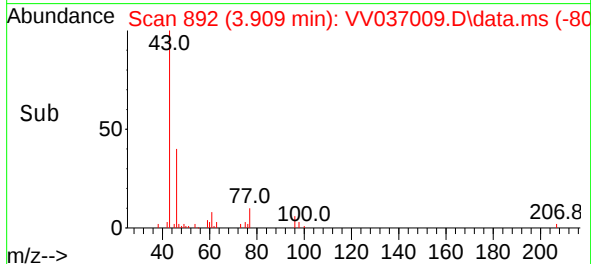
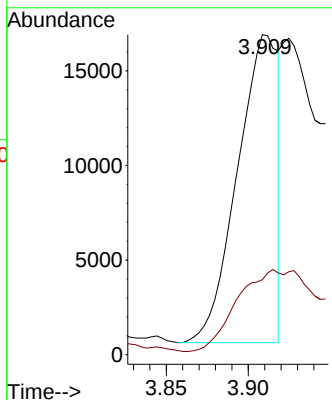
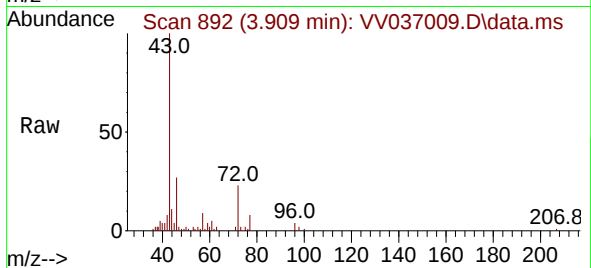
ClientSampleId :

Tgt Ion: 43 Resp: 27901

Ion Ratio Lower Upper

43 100

72 30.1 10.7 32.1



#23

Bromochloromethane

Concen: 19.090 ug/L

RT: 4.140 min Scan# 964

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Tgt Ion:128 Resp: 106846

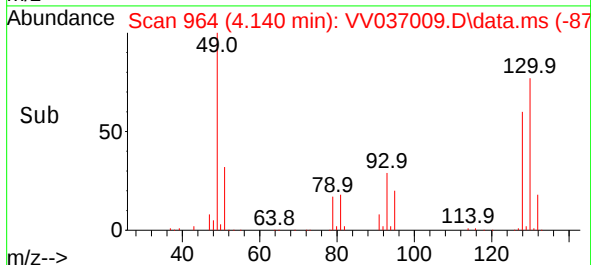
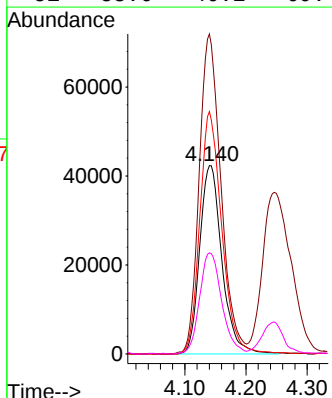
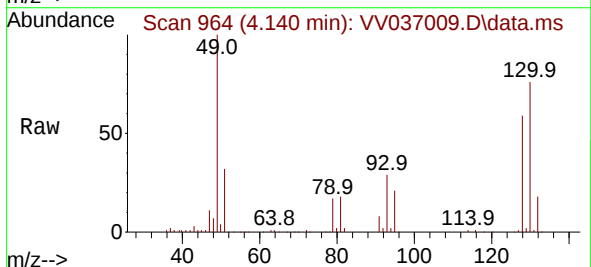
Ion Ratio Lower Upper

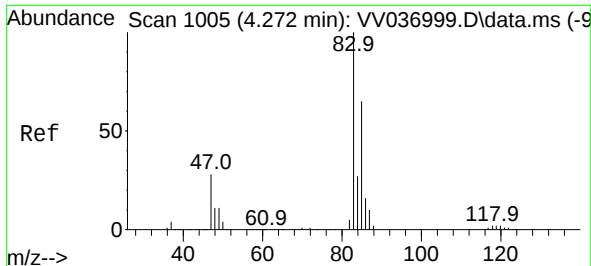
128 100

49 169.8 123.3 229.1

130 128.7 89.7 166.5

51 53.6 46.2 69.4





#25

Chloroform

Concen: 19.113 ug/L

RT: 4.269 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

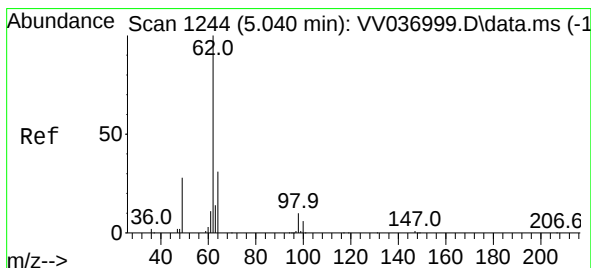
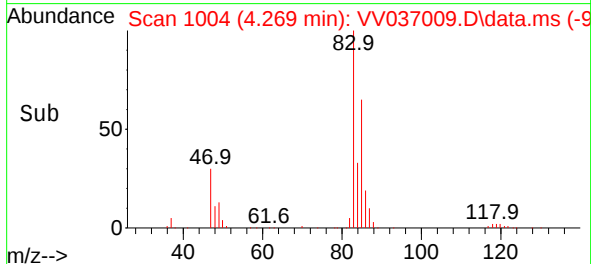
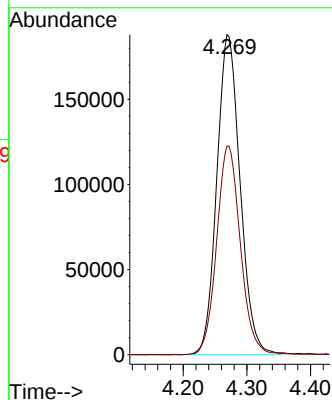
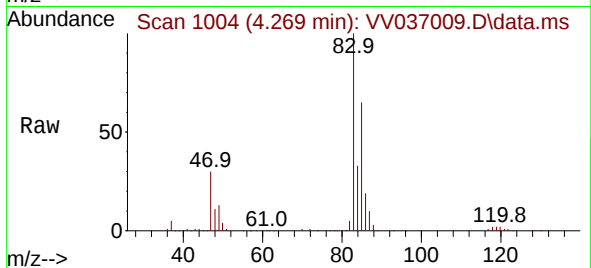
ClientSampleId :

Tgt Ion: 83 Resp: 478181

Ion Ratio Lower Upper

83 100

85 65.1 45.5 84.5



#27

1,2-Dichloroethane

Concen: 20.379 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.003 min

Lab File: VV037009.D

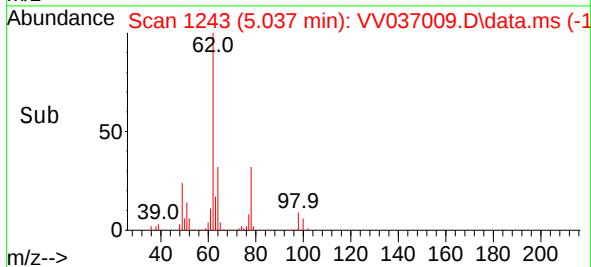
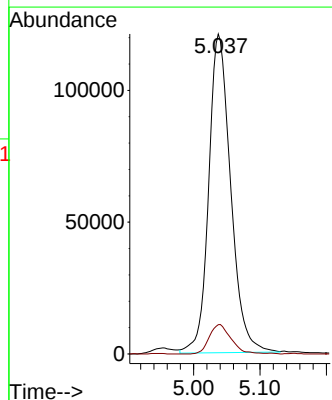
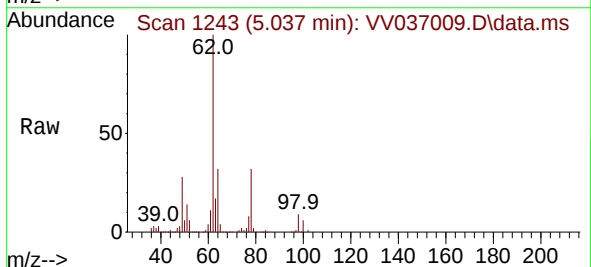
Acq: 22 Aug 2024 15:51

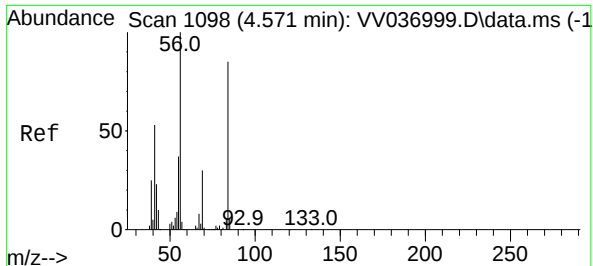
Tgt Ion: 62 Resp: 278815

Ion Ratio Lower Upper

62 100

98 9.2 7.5 11.3

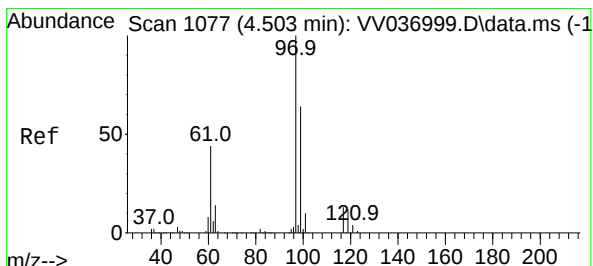
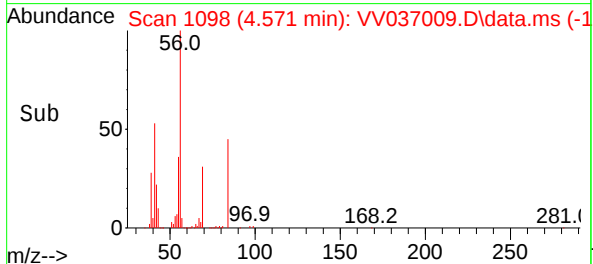
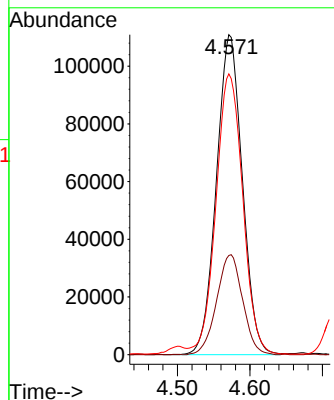
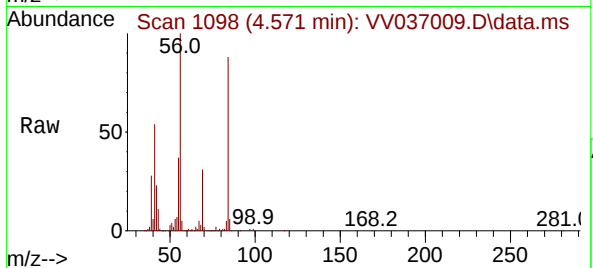




#29
Cyclohexane
Concen: 17.240 ug/L
RT: 4.571 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

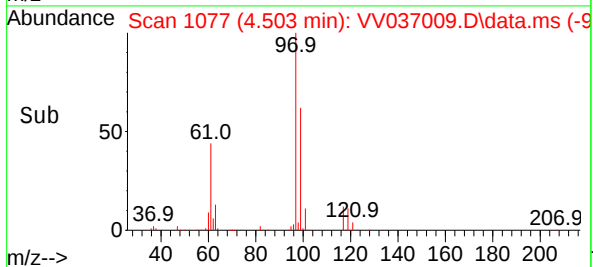
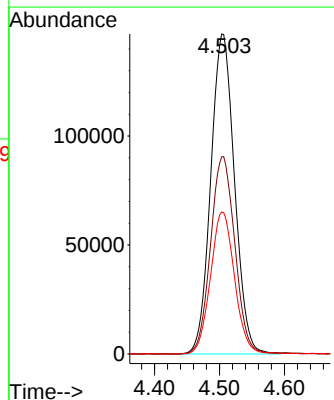
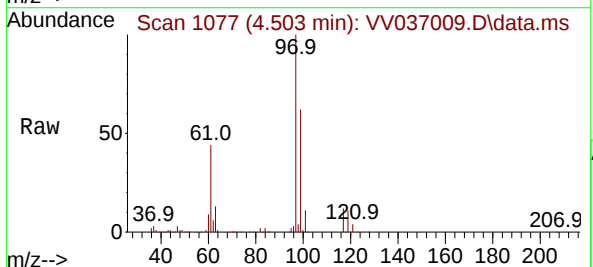
Instrument :
MSVOA_V
ClientSampleId :

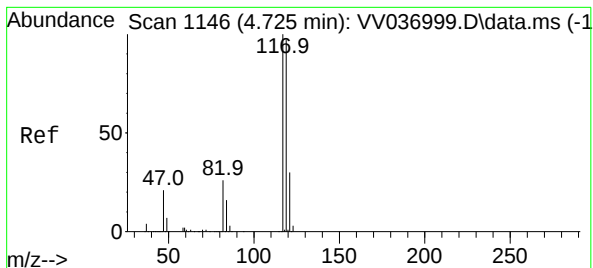
Tgt Ion: 56 Resp: 275725
Ion Ratio Lower Upper
56 100
69 31.3 24.7 37.1
84 90.3 70.0 105.0



#30
1,1,1-Trichloroethane
Concen: 23.995 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 97 Resp: 373023
Ion Ratio Lower Upper
97 100
99 63.0 51.0 76.4
61 44.6 35.0 52.6





#31

Carbon tetrachloride

Concen: 21.881 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

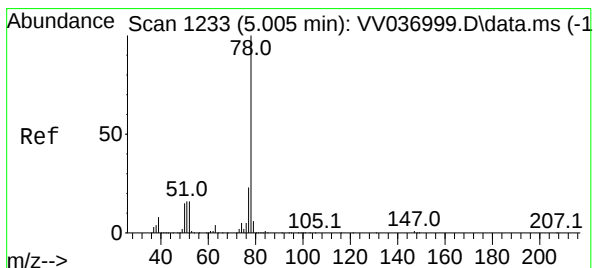
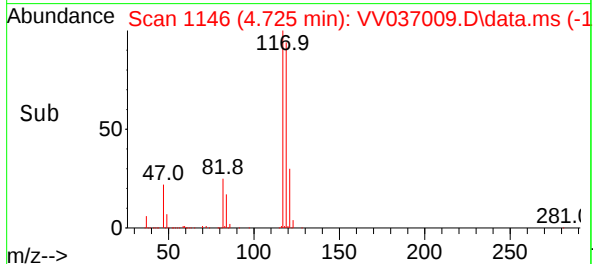
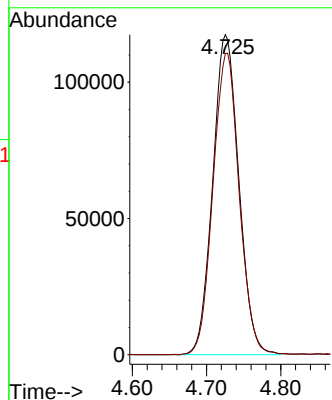
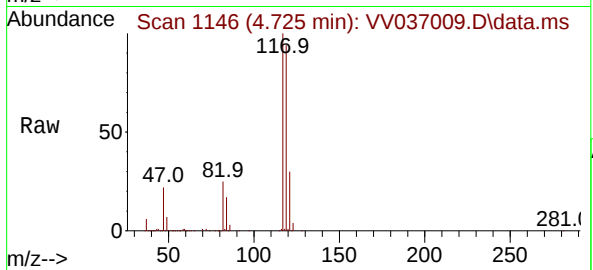
ClientSampleId :

Tgt Ion:117 Resp: 287085

Ion Ratio Lower Upper

117 100

119 94.4 76.6 115.0



#33

Benzene

Concen: 23.821 ug/L

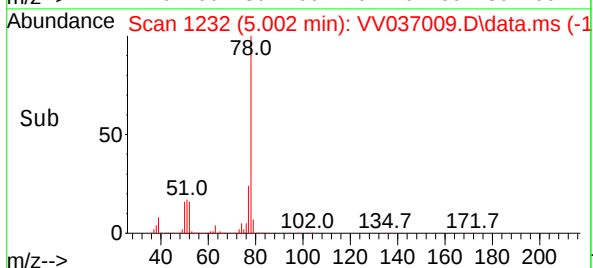
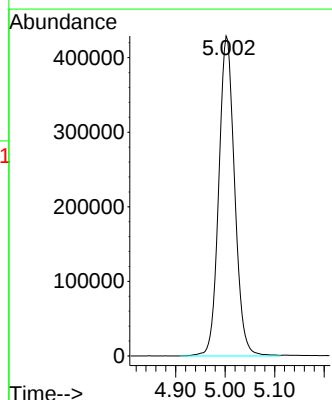
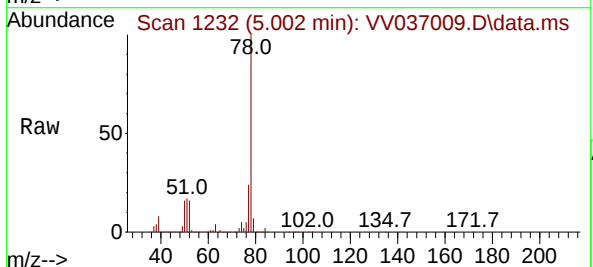
RT: 5.002 min Scan# 1232

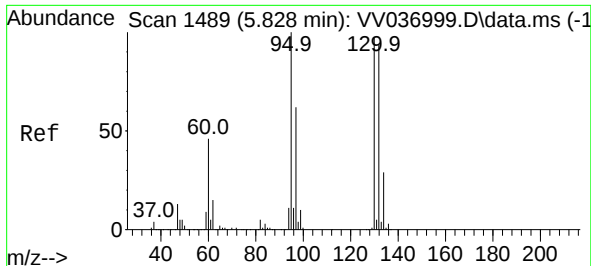
Delta R.T. -0.003 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Tgt Ion: 78 Resp: 957367





#34

Trichloroethene

Concen: 21.575 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

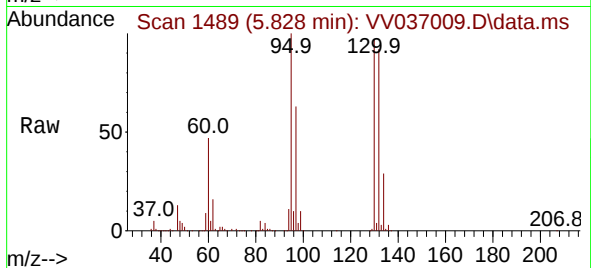
Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 244778

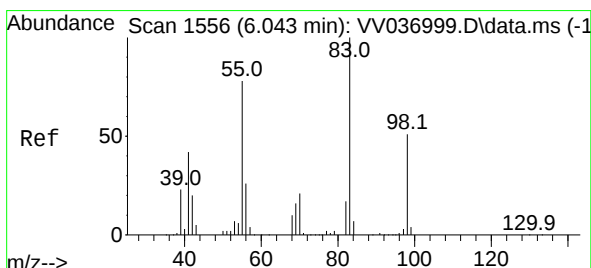
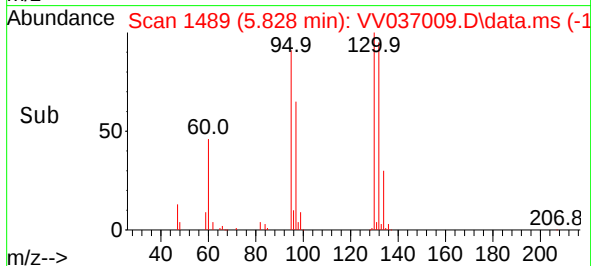
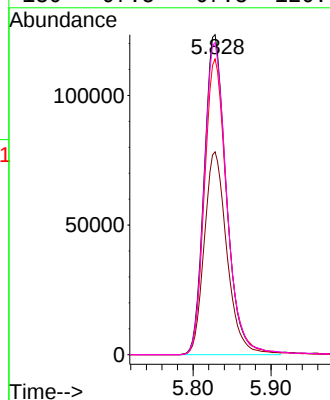
Ion Ratio Lower Upper

95 100

97 63.4 43.5 80.9

132 92.4 66.1 122.7

130 97.5 67.8 126.0



#35

Methylcyclohexane

Concen: 12.833 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

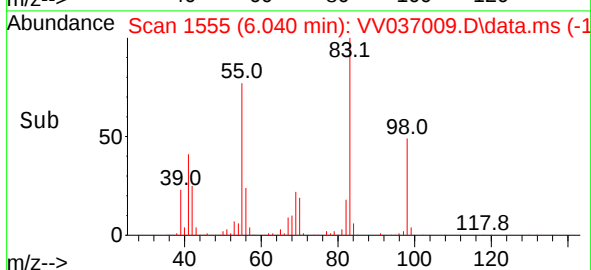
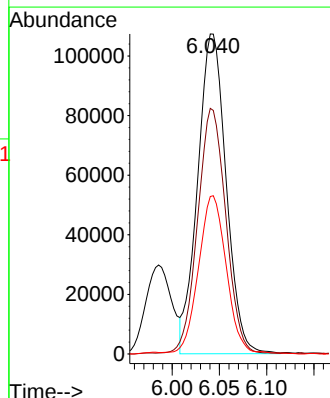
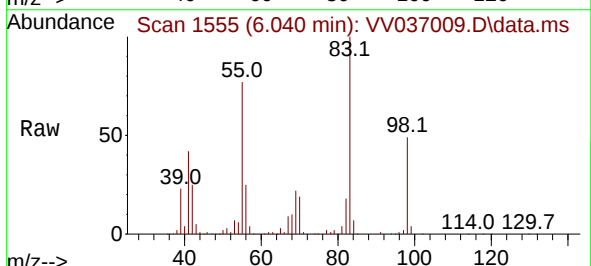
Tgt Ion: 83 Resp: 225116

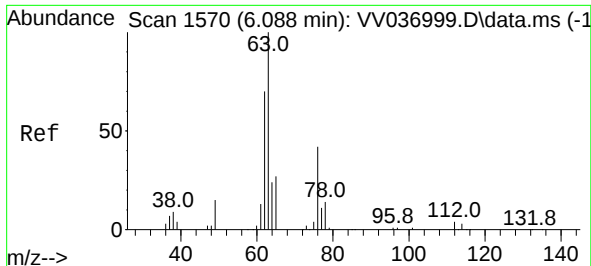
Ion Ratio Lower Upper

83 100

55 75.4 60.9 91.3

98 47.3 39.0 58.6

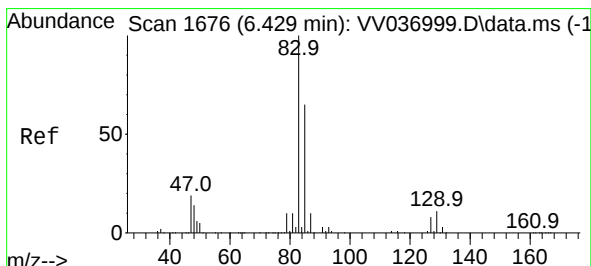
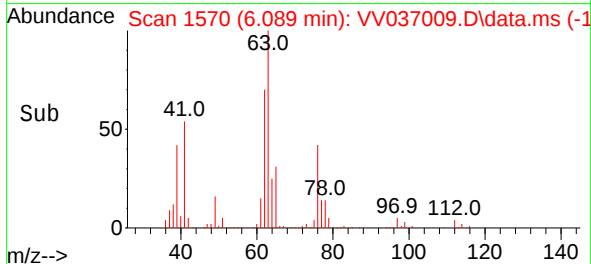
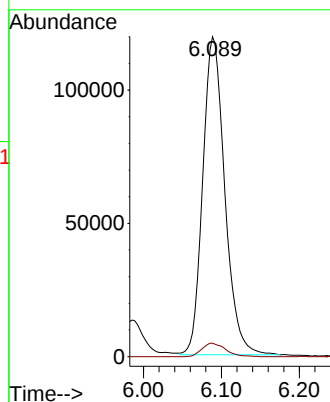
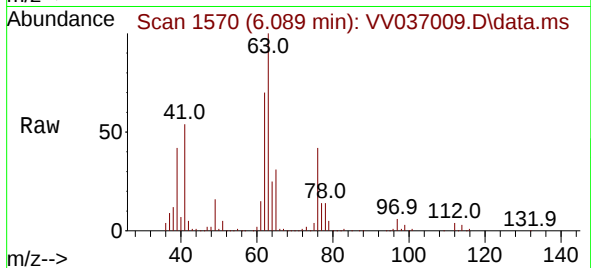




#37
1,2-Dichloropropane
Concen: 24.098 ug/L
RT: 6.089 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

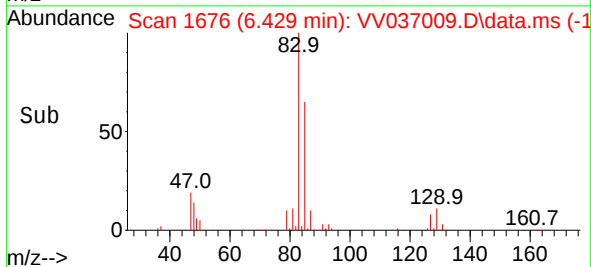
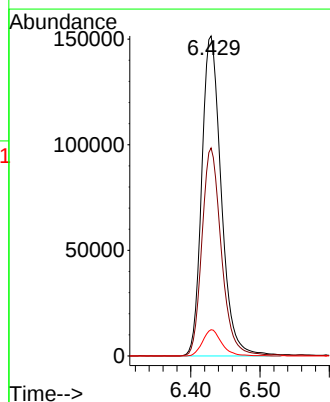
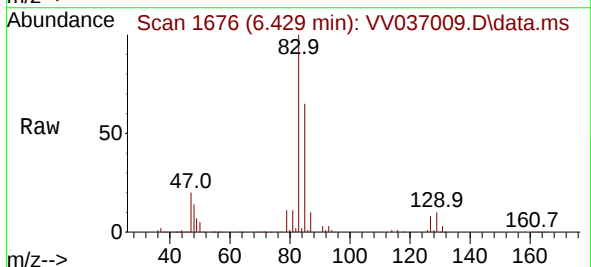
Instrument :
MSVOA_V
ClientSampleId :

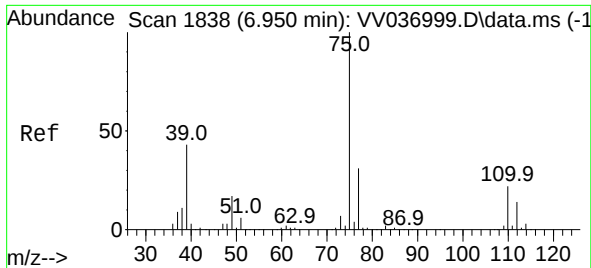
Tgt Ion: 63 Resp: 233961
Ion Ratio Lower Upper
63 100
112 4.6 3.7 5.5



#38
Bromodichloromethane
Concen: 24.567 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 83 Resp: 296263
Ion Ratio Lower Upper
83 100
85 65.0 45.6 84.6
127 8.2 6.5 9.7

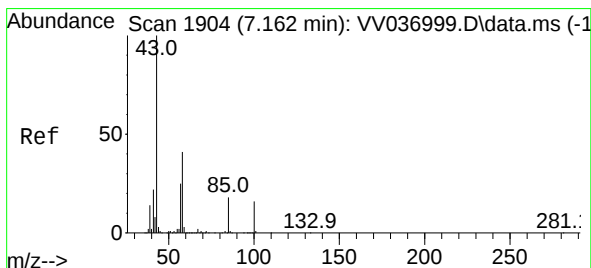
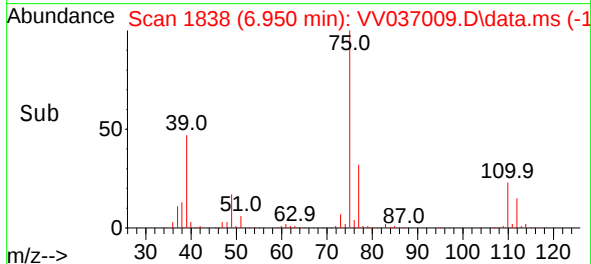
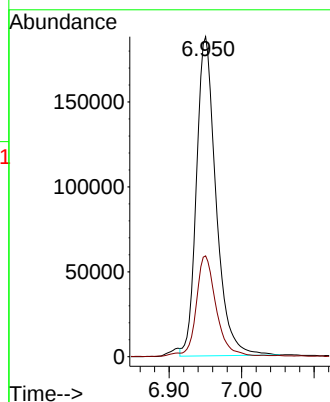
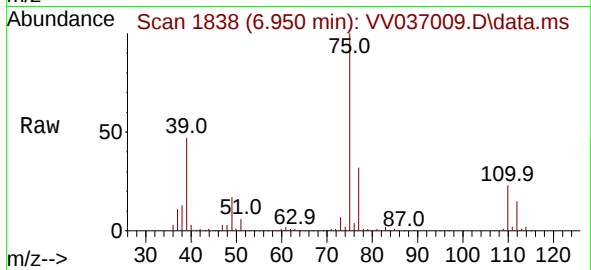




#39
 cis-1,3-Dichloropropene
 Concen: 24.811 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: VV037009.D
 Acq: 22 Aug 2024 15:51

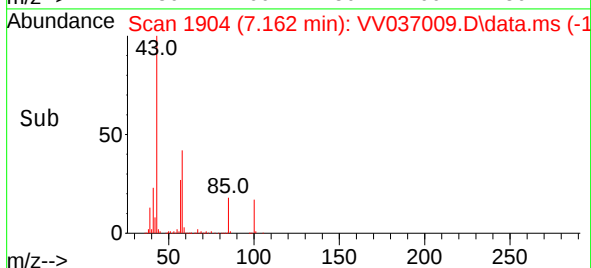
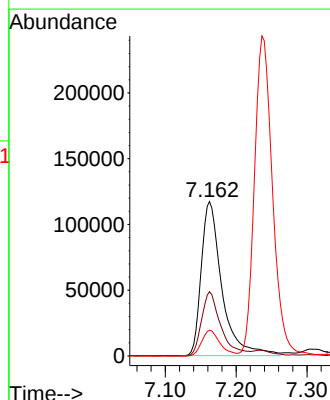
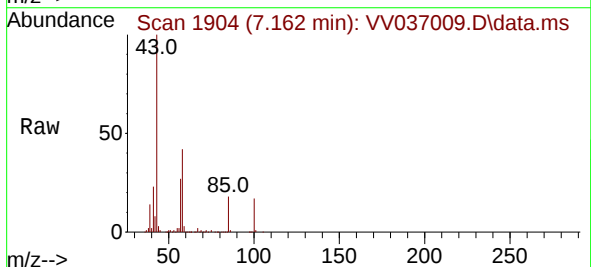
Instrument :
 MSVOA_V
 ClientSampleId :

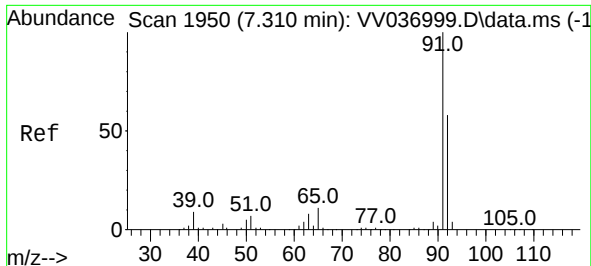
Tgt Ion: 75 Resp: 351741
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 57.809 ug/L
 RT: 7.162 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VV037009.D
 Acq: 22 Aug 2024 15:51

Tgt Ion: 43 Resp: 236939
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.1 46.7
 100 14.8 12.1 18.1





#42

Toluene

Concen: 20.953 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

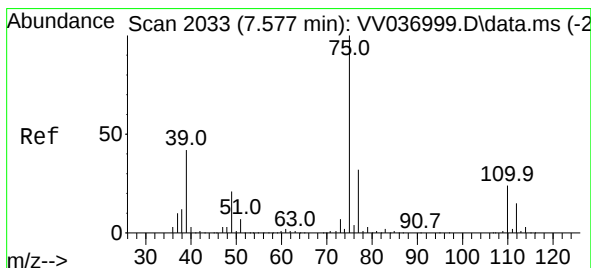
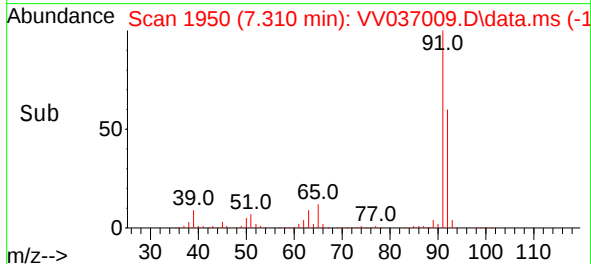
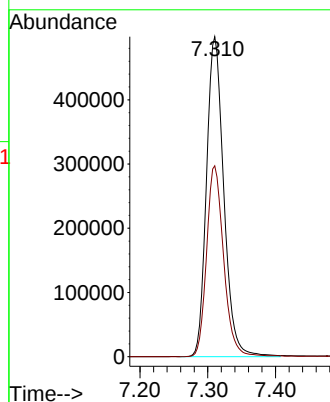
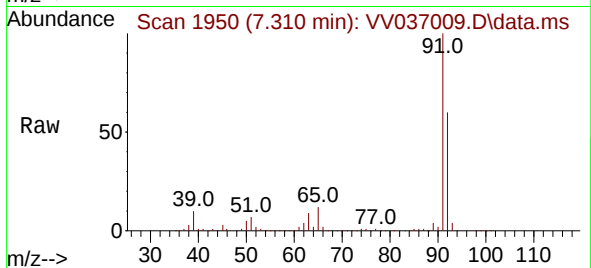
ClientSampleId :

Tgt Ion: 91 Resp: 882214

Ion Ratio Lower Upper

91 100

92 59.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 25.632 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037009.D

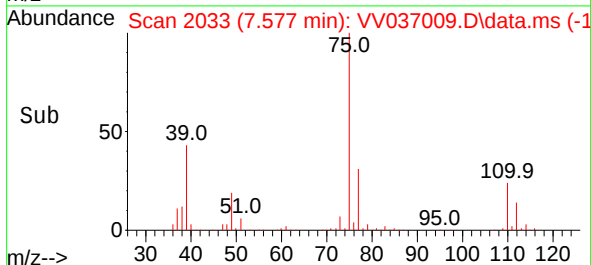
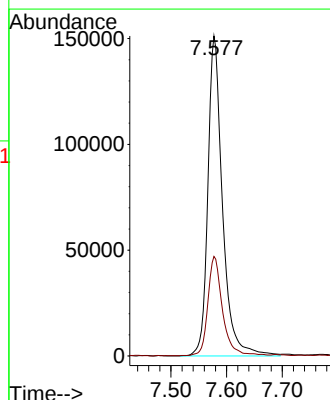
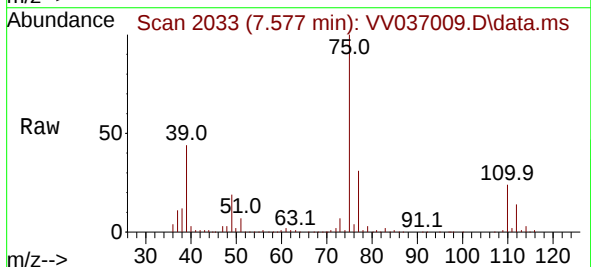
Acq: 22 Aug 2024 15:51

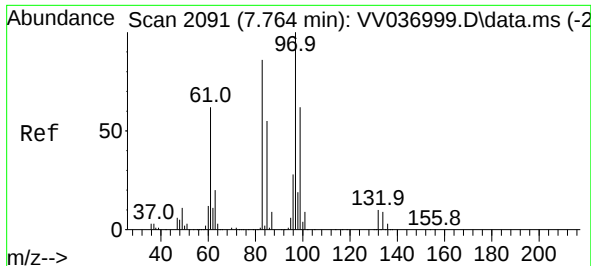
Tgt Ion: 75 Resp: 276498

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 23.876 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 152125

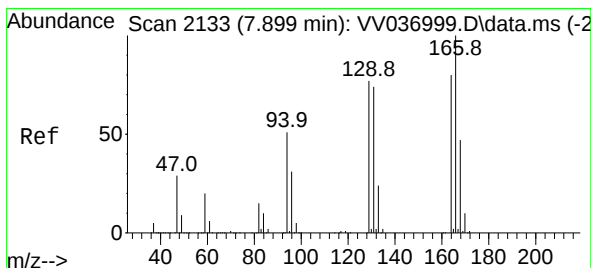
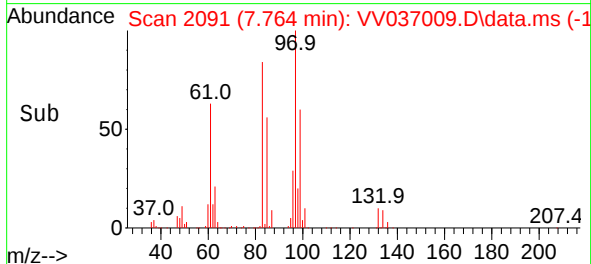
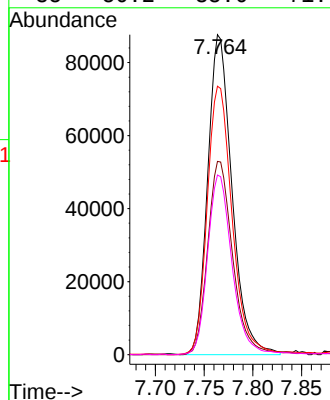
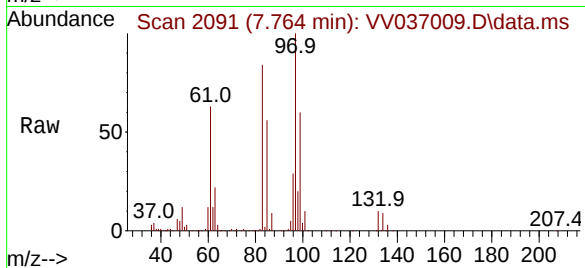
Ion Ratio Lower Upper

97 100

99 60.4 43.5 80.9

83 83.9 60.3 111.9

85 56.2 38.6 71.6



#46

Tetrachloroethene

Concen: 15.906 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Tgt Ion:164 Resp: 127588

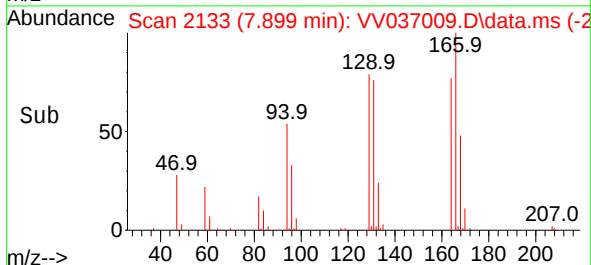
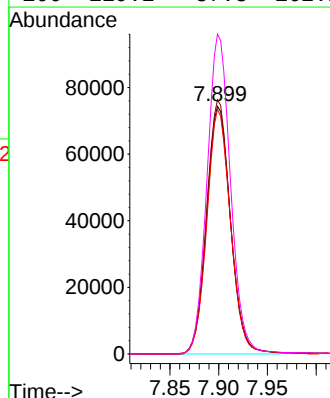
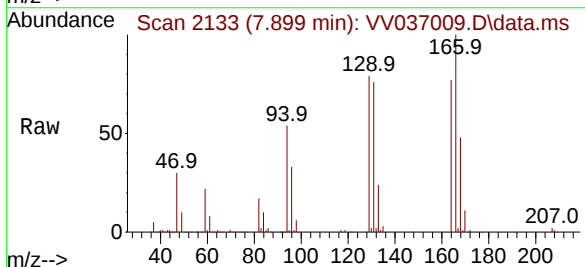
Ion Ratio Lower Upper

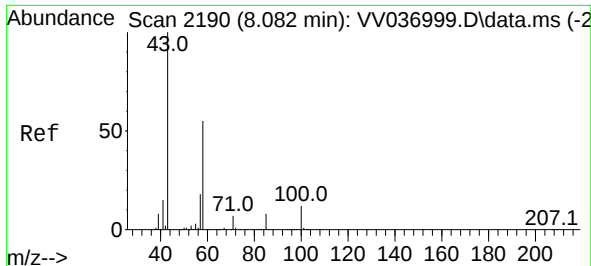
164 100

129 102.7 67.3 124.9

131 98.8 64.8 120.3

166 129.2 87.3 162.1

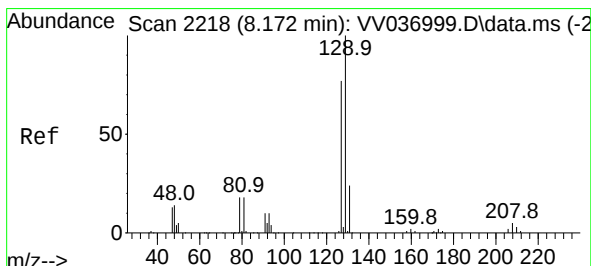
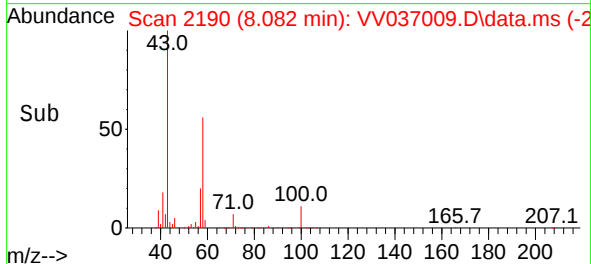
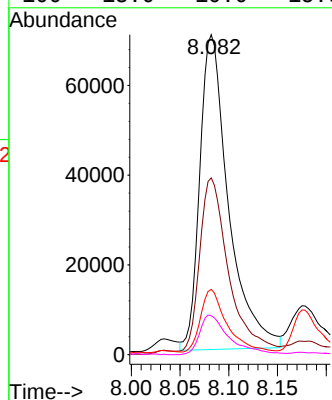
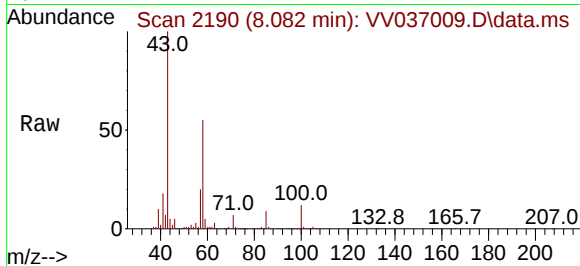




#48
2-Hexanone
Concen: 46.929 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

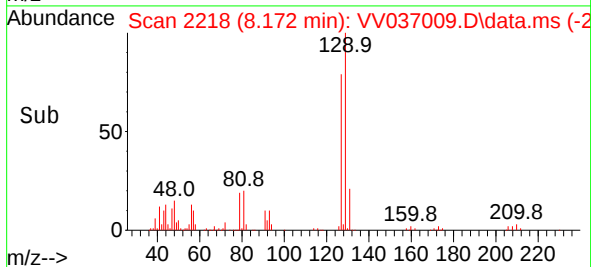
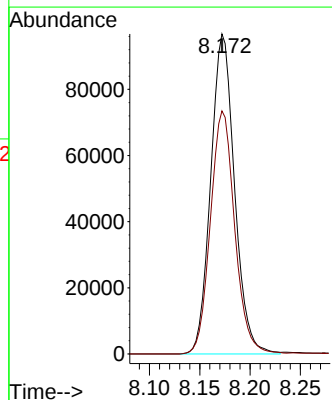
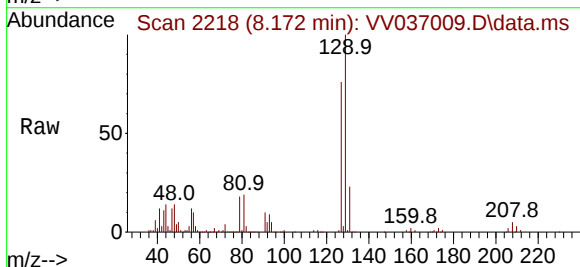
Instrument :
MSVOA_V
ClientSampleId :

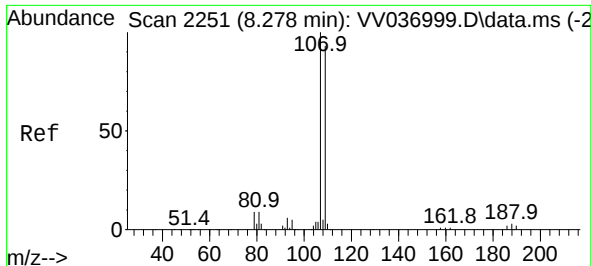
Tgt Ion: 43 Resp: 144109
Ion Ratio Lower Upper
43 100
58 54.5 47.9 71.9
57 18.4 15.1 22.7
100 13.0 10.0 15.0



#49
Dibromochloromethane
Concen: 22.747 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 129 Resp: 159446
Ion Ratio Lower Upper
129 100
127 75.9 53.5 99.5





#50

1,2-Dibromoethane

Concen: 23.900 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

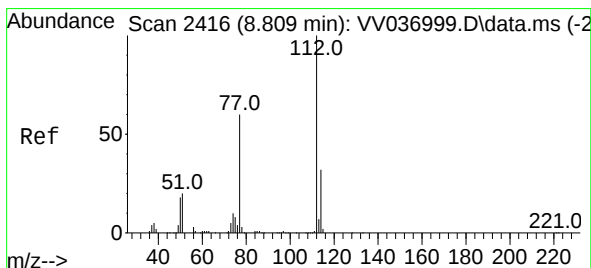
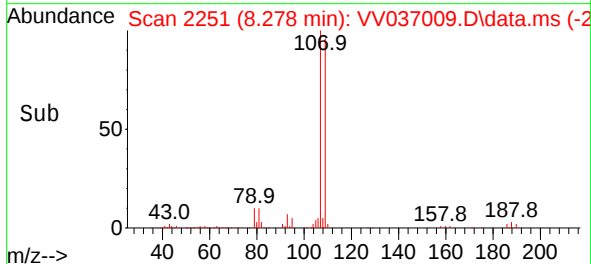
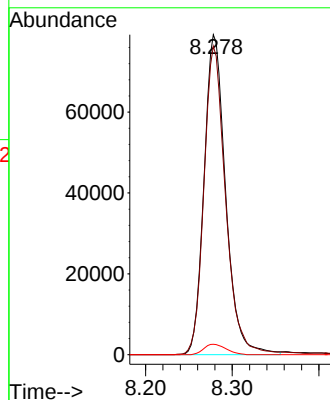
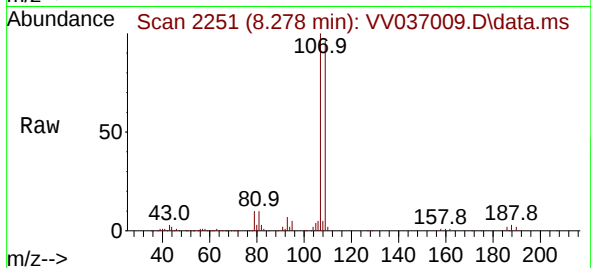
Tgt Ion:107 Resp: 137429

Ion Ratio Lower Upper

107 100

109 96.4 64.9 120.5

188 3.3 2.4 3.6



#51

Chlorobenzene

Concen: 18.020 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

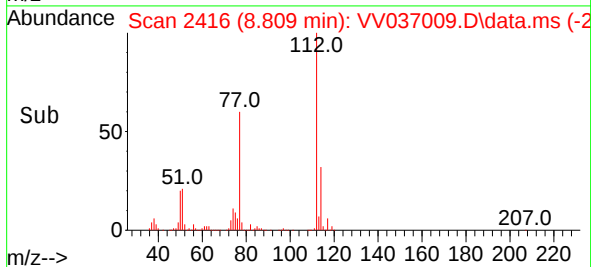
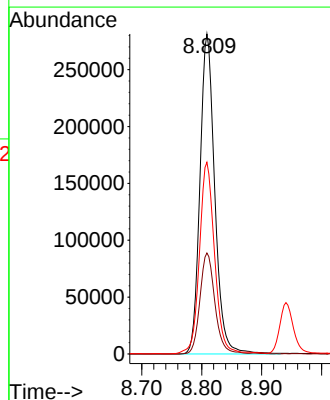
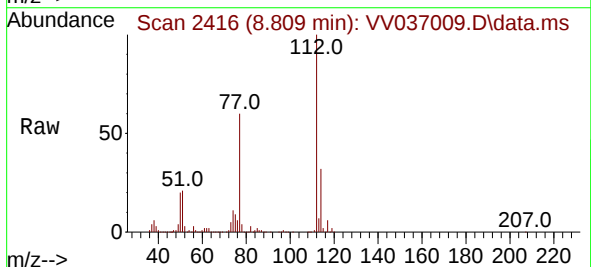
Tgt Ion:112 Resp: 484517

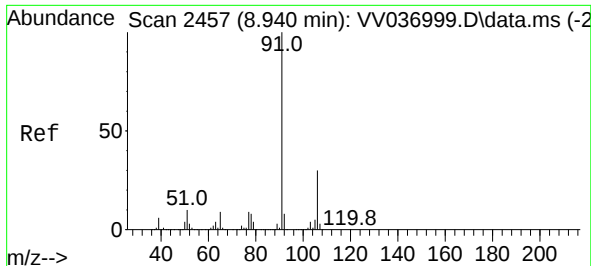
Ion Ratio Lower Upper

112 100

114 31.6 22.7 42.3

77 59.9 48.2 72.2





#52

Ethylbenzene

Concen: 16.619 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

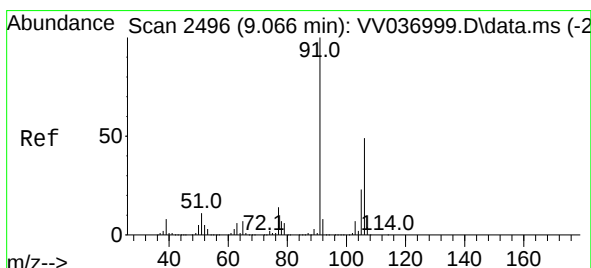
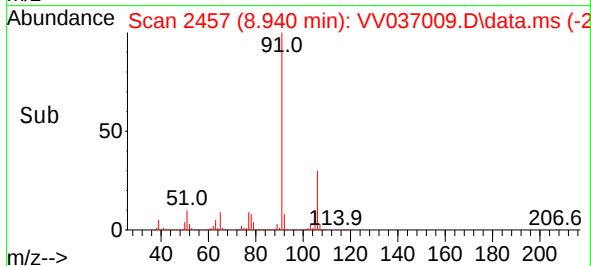
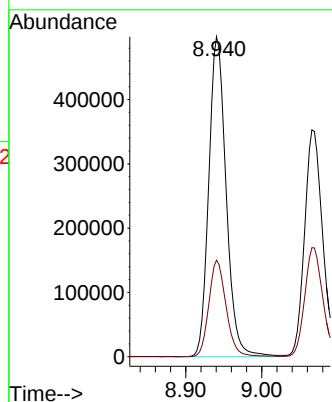
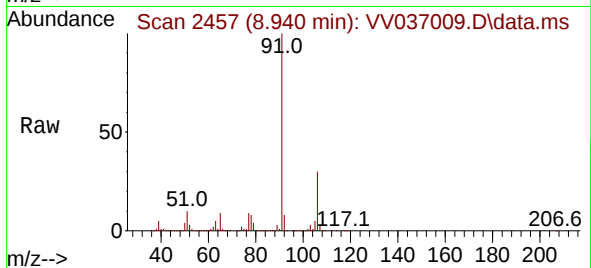
ClientSampleId :

Tgt Ion: 91 Resp: 789000

Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



#53

m,p-Xylene

Concen: 15.903 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037009.D

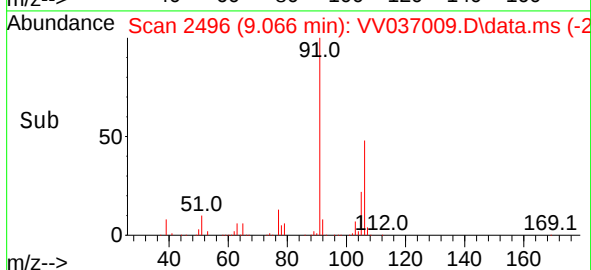
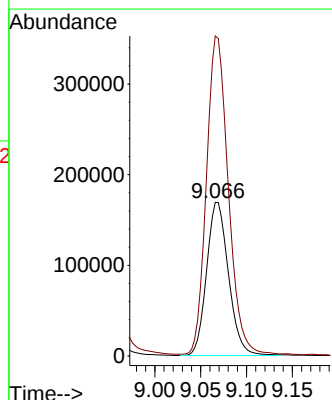
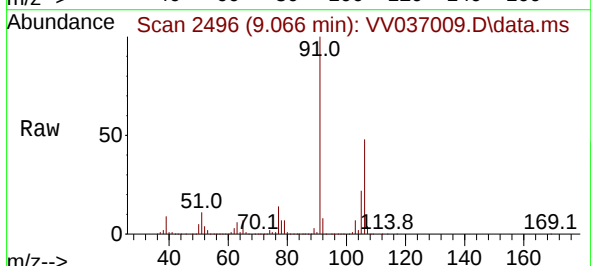
Acq: 22 Aug 2024 15:51

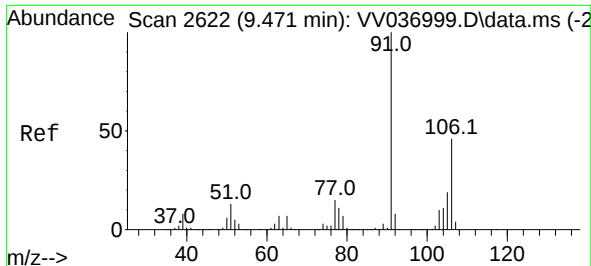
Tgt Ion:106 Resp: 280522

Ion Ratio Lower Upper

106 100

91 208.3 142.4 264.4

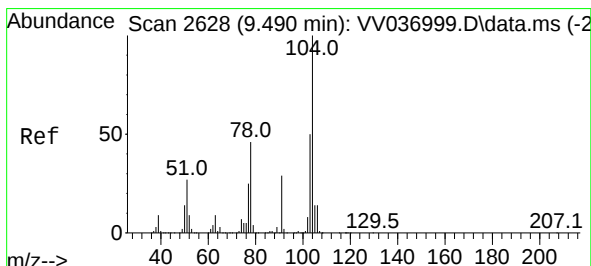
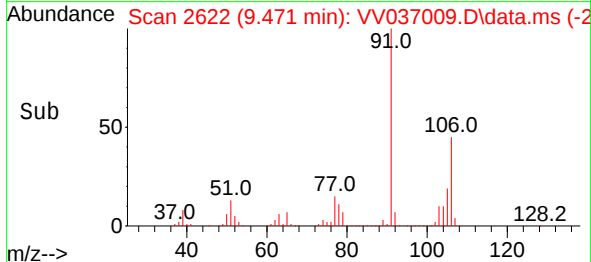
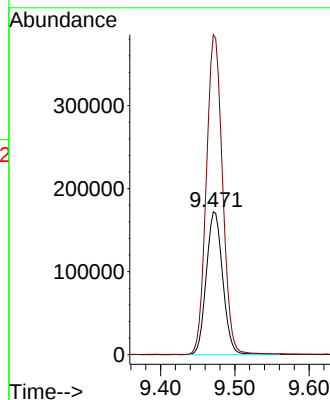
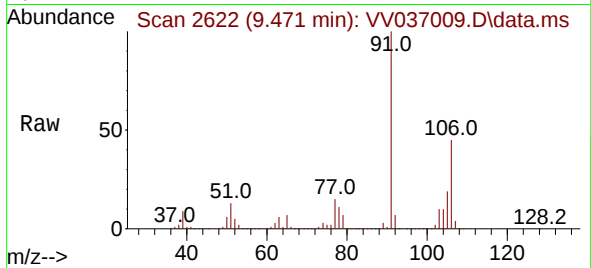




#54
o-Xylene
Concen: 15.695 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

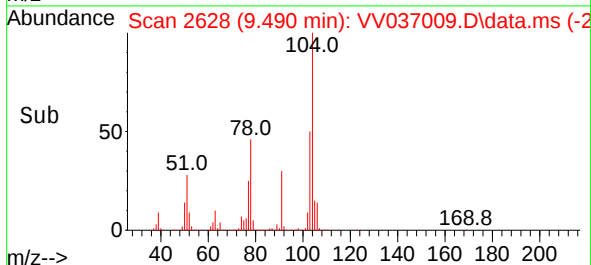
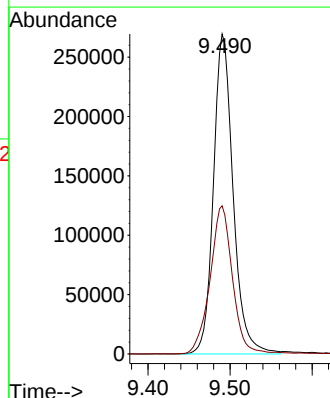
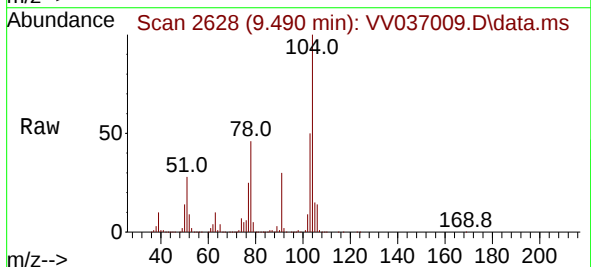
Instrument :
MSVOA_V
ClientSampleId :

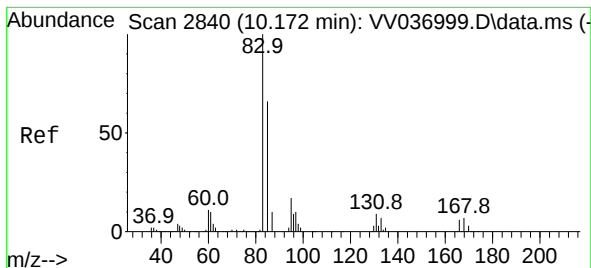
Tgt Ion:106 Resp: 264458
Ion Ratio Lower Upper
106 100
91 223.9 152.8 283.8



#55
Styrene
Concen: 16.146 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion:104 Resp: 449036
Ion Ratio Lower Upper
104 100
78 46.3 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 21.441 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

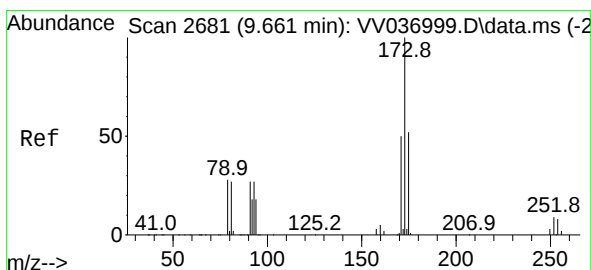
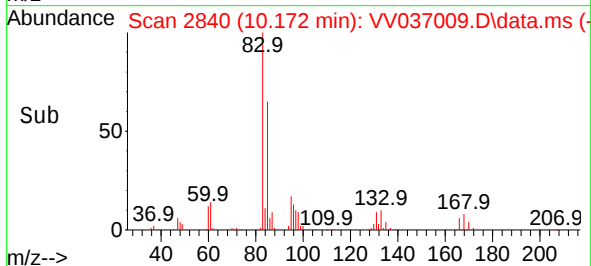
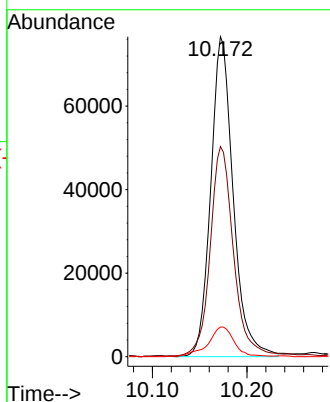
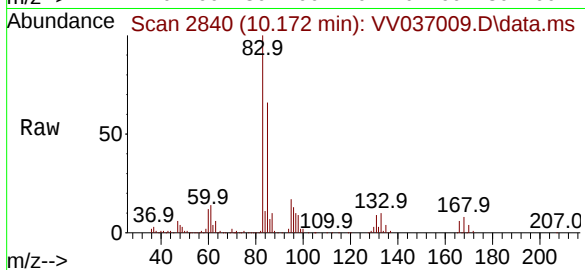
Tgt Ion: 83 Resp: 126475

Ion Ratio Lower Upper

83 100

85 65.7 46.4 86.2

131 9.2 7.6 11.4



#59

Bromoform

Concen: 38.682 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

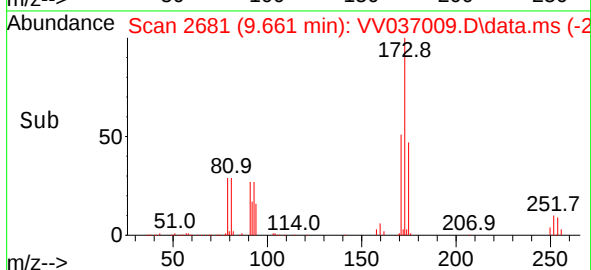
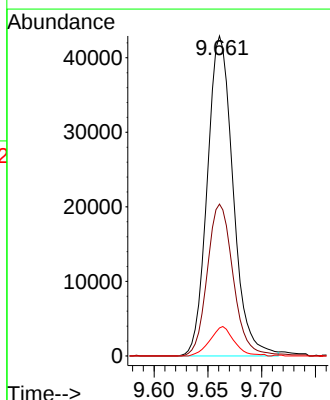
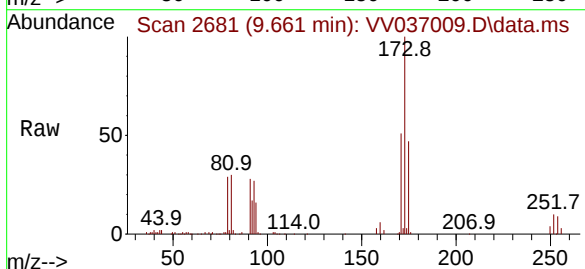
Tgt Ion: 173 Resp: 71595

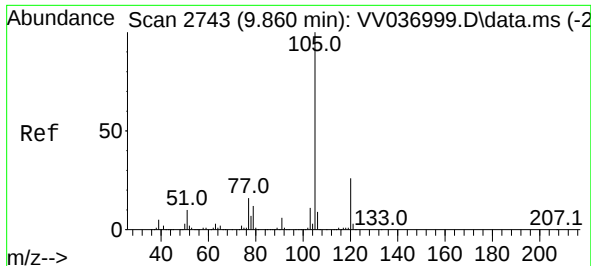
Ion Ratio Lower Upper

173 100

175 47.9 40.1 60.1

254 8.6 6.2 9.4

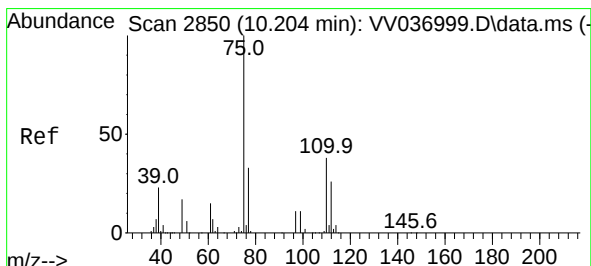
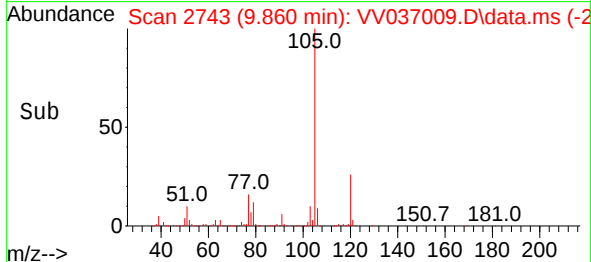
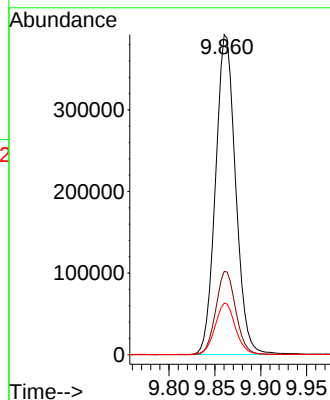
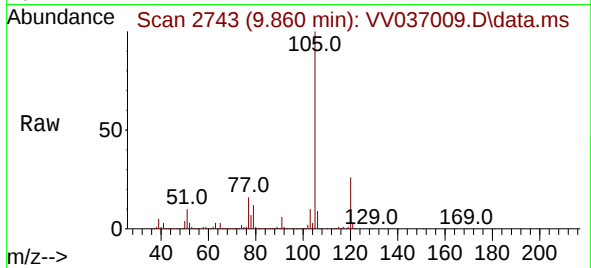




#60
Isopropylbenzene
Concen: 23.152 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

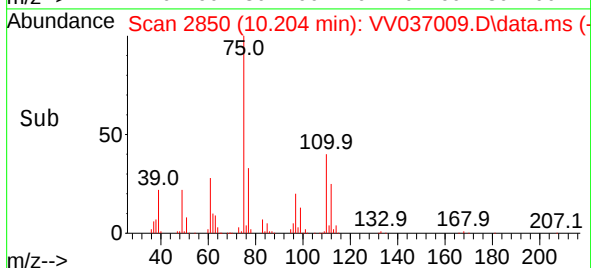
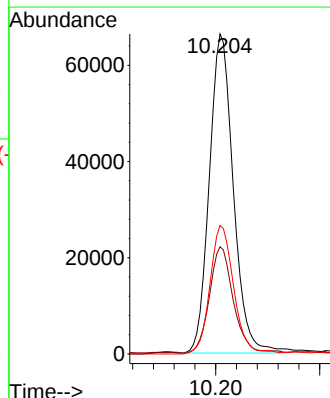
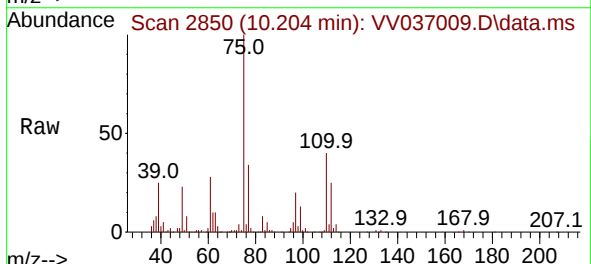
Instrument :
MSVOA_V
ClientSampleId :

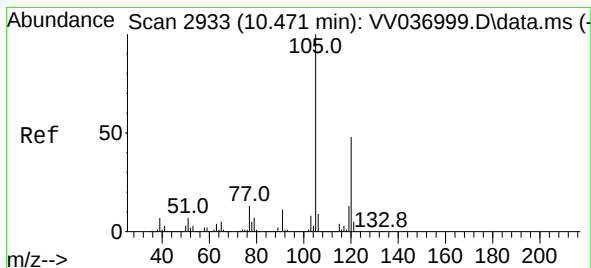
Tgt Ion:105 Resp: 596575
Ion Ratio Lower Upper
105 100
120 25.9 20.8 31.2
77 16.3 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 40.260 ug/L
RT: 10.204 min Scan# 2850
Delta R.T. 0.000 min
Lab File: VV037009.D
Acq: 22 Aug 2024 15:51

Tgt Ion: 75 Resp: 106100
Ion Ratio Lower Upper
75 100
77 32.9 25.5 38.3
110 39.4 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 18.585 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

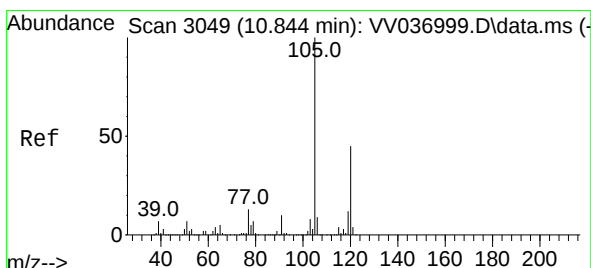
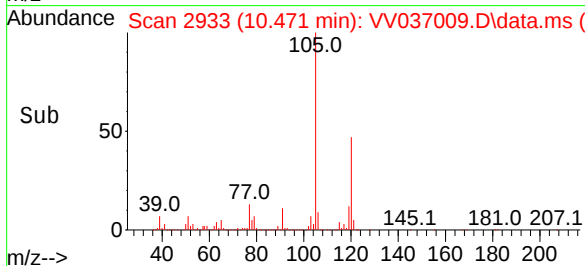
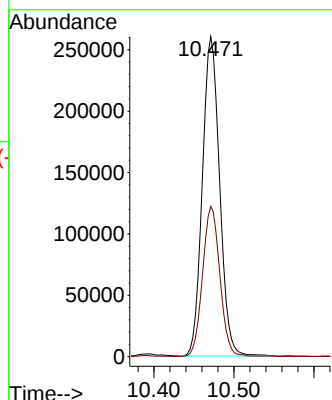
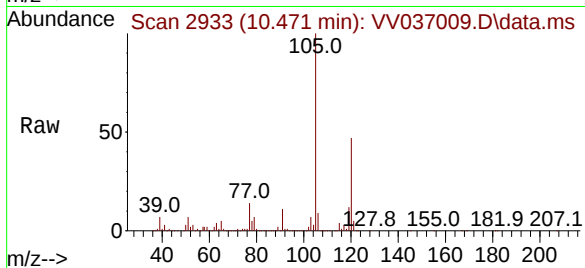
ClientSampleId :

Tgt Ion:105 Resp: 392080

Ion Ratio Lower Upper

105 100

120 46.8 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 18.753 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.003 min

Lab File: VV037009.D

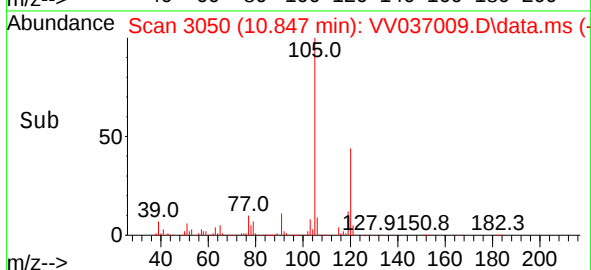
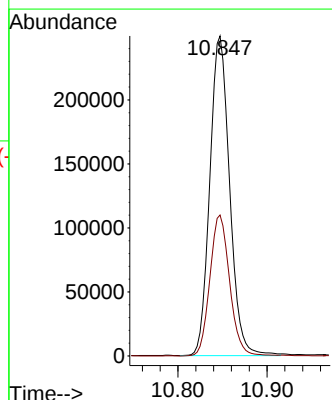
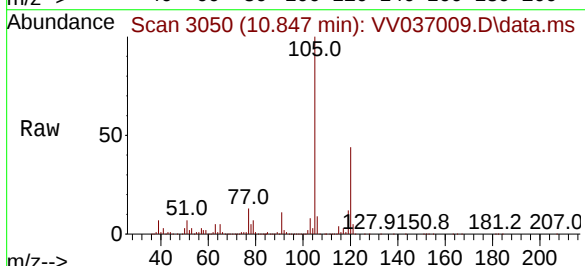
Acq: 22 Aug 2024 15:51

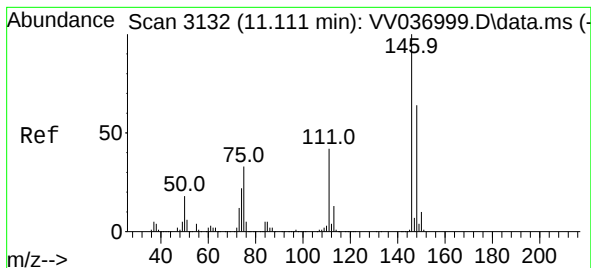
Tgt Ion:105 Resp: 385616

Ion Ratio Lower Upper

105 100

120 44.0 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 18.358 ug/L

RT: 11.114 min Scan# 3132

Delta R.T. 0.003 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

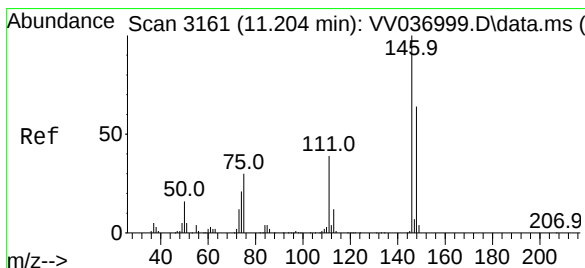
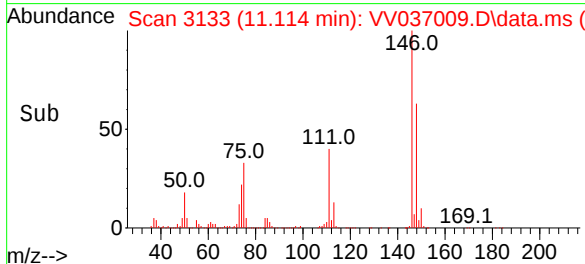
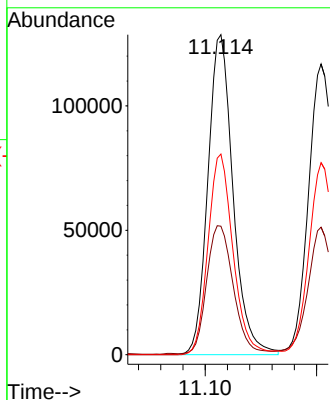
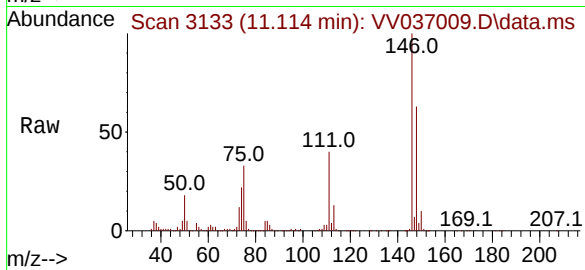
Tgt Ion:146 Resp: 202167

Ion Ratio Lower Upper

146 100

111 40.1 29.5 54.9

148 62.7 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 17.808 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

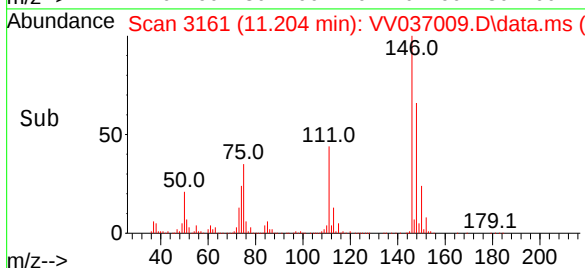
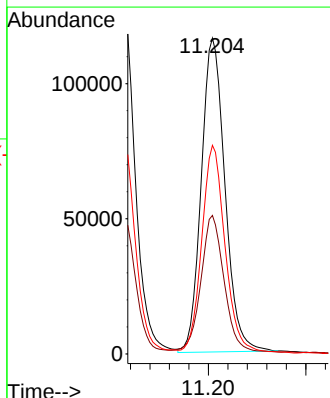
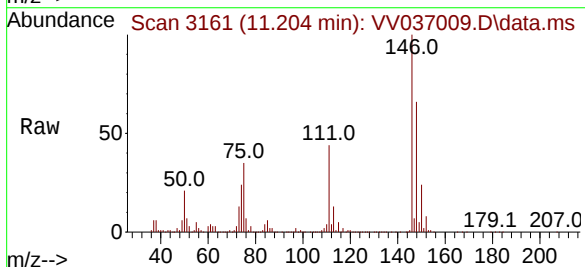
Tgt Ion:146 Resp: 195886

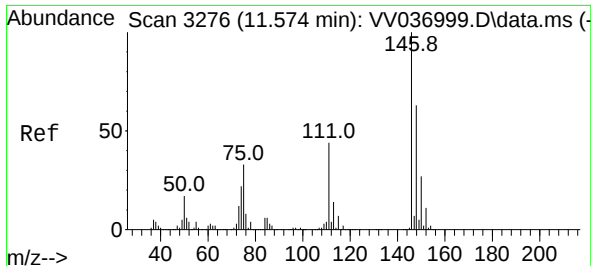
Ion Ratio Lower Upper

146 100

111 43.9 27.6 51.4

148 66.0 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 18.487 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :

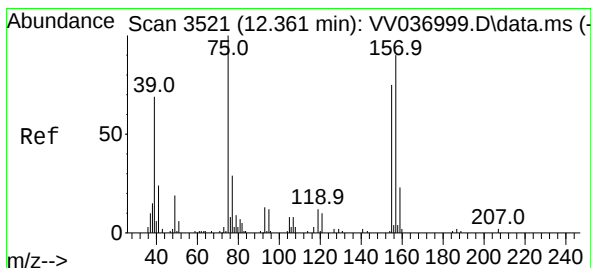
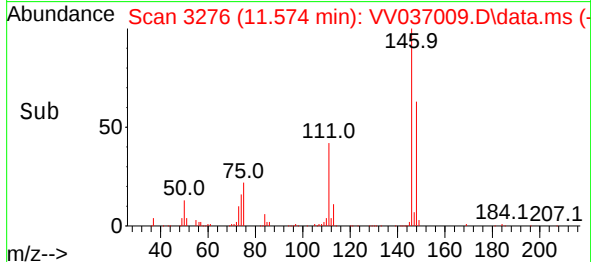
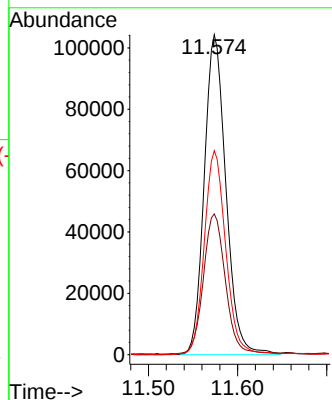
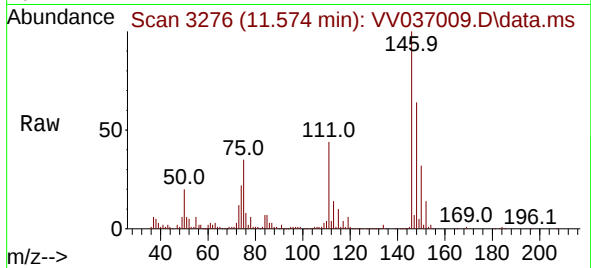
Tgt Ion:146 Resp: 176387

Ion Ratio Lower Upper

146 100

111 44.0 35.4 53.0

148 63.8 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 36.404 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

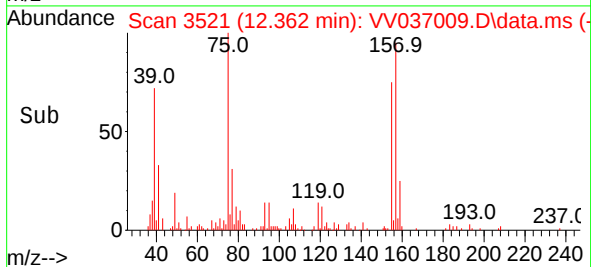
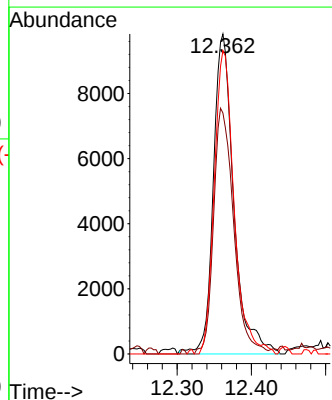
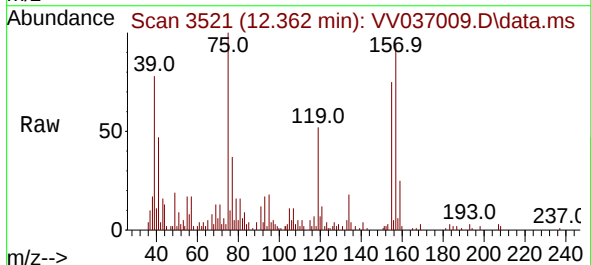
Tgt Ion: 75 Resp: 18748

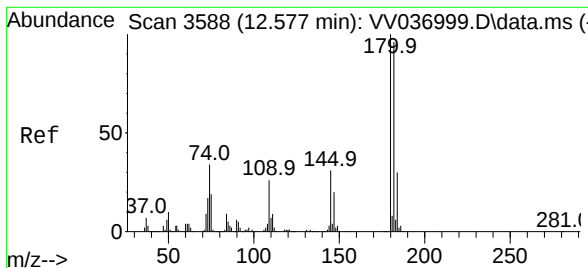
Ion Ratio Lower Upper

75 100

155 75.3 59.9 89.9

157 94.8 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 8.422 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

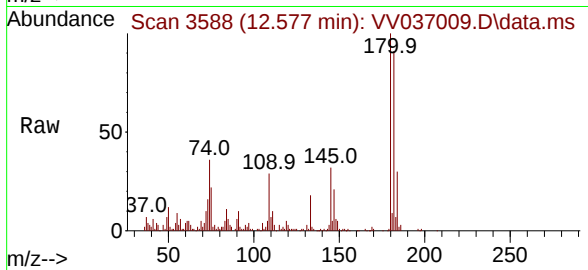
Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 64632

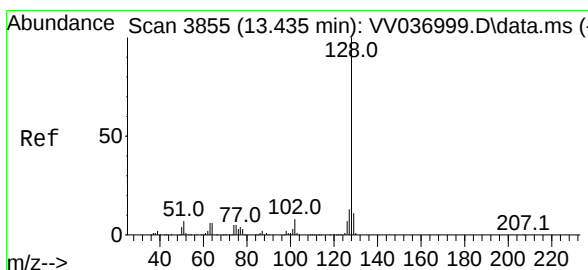
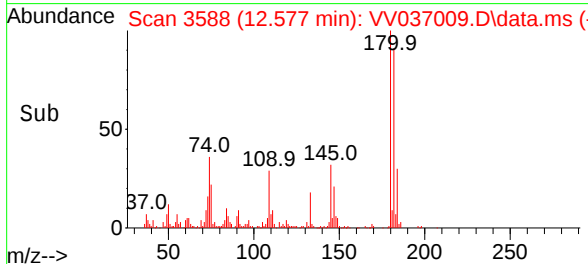
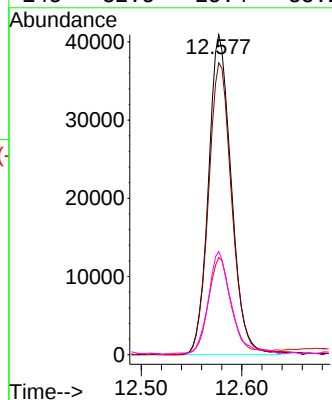
Ion Ratio Lower Upper

180 100

182 92.8 76.4 114.6

184 30.6 24.2 36.4

145 32.5 25.4 38.2



#71

Naphthalene

Concen: 19.312 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

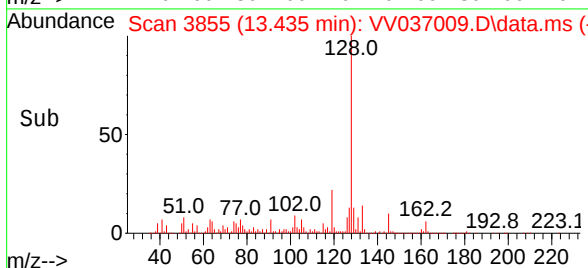
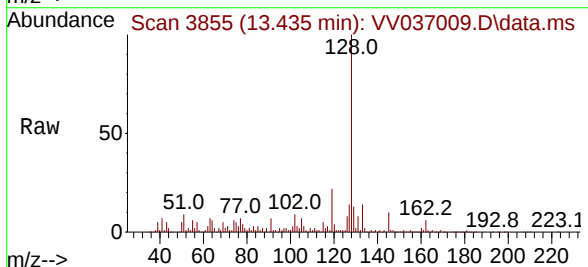
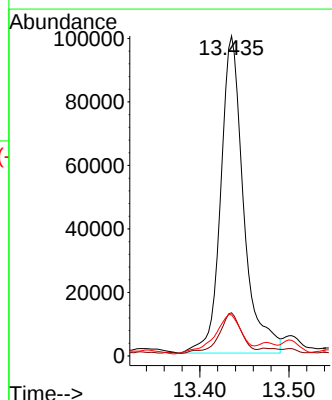
Tgt Ion:128 Resp: 178669

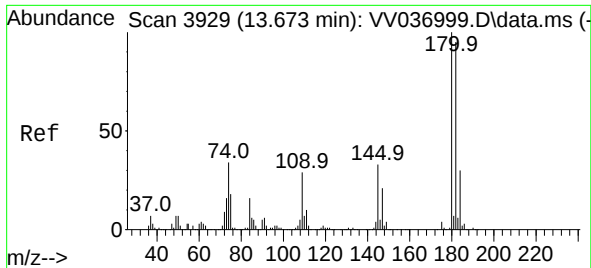
Ion Ratio Lower Upper

128 100

127 10.1 10.2 15.4#

129 14.9 8.6 13.0#





#72

1,2,3-Trichlorobenzene

Concen: 7.729 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

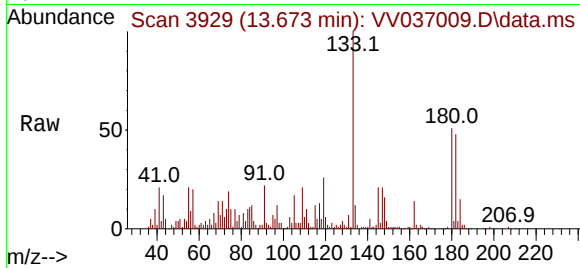
Lab File: VV037009.D

Acq: 22 Aug 2024 15:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 39303

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 0.0 26.6 40.0#

