

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090524\
 Data File : VV037205.D
 Acq On : 05 Sep 2024 08:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 06 01:22:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 02:17:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	557035	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	524333	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	264126	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	226079	22.658	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.640%
7) Chloroethane-d5	1.532	69	182207	23.525	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.080%
11) 1,1-Dichloroethene-d2	2.056	65	104942	23.382	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.520%
21) 2-Butanone-d5	3.831	46	37570	17.411	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	34.820%
24) Chloroform-d	4.243	84	426531	24.885	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.520%
26) 1,2-Dichloroethane-d4	4.937	65	214142	24.631	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.520%
32) Benzene-d6	4.953	84	850169	25.660	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.640%
36) 1,2-Dichloropropane-d6	5.985	67	256608	25.000	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.000%
41) Toluene-d8	7.236	98	775655	25.887	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.560%
43) trans-1,3-Dichloroprop...	7.551	79	97842	24.764	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.040%
47) 2-Hexanone-d5	8.030	63	66035	47.194	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.380%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	195214	24.743	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.960%
66) 1,2-Dichlorobenzene-d4	11.554	152	259174	25.138	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	187925	24.508	ug/L	99
3) Chloromethane	1.217	50	214148	23.368	ug/L	99
5) Vinyl chloride	1.281	62	220084	24.418	ug/L	98
6) Bromomethane	1.487	94	119075	22.838	ug/L	99
8) Chloroethane	1.548	64	132211	23.847	ug/L	99
9) Trichlorofluoromethane	1.712	101	297856	24.211	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	186823	24.308	ug/L	99
12) 1,1-Dichloroethene	2.069	96	170573	24.364	ug/L	96
13) Acetone	2.153	43	126761	46.943	ug/L	72
14) Carbon disulfide	2.240	76	548094	23.850	ug/L	100
15) Methyl Acetate	2.384	43	84591	22.165	ug/L	97
16) Methylene chloride	2.445	84	184541	18.076	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	182215	23.856	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	409902	22.926	ug/L	100
19) 1,1-Dichloroethane	3.105	63	343340	23.478	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	190687	23.650	ug/L	99
22) 2-Butanone	3.912	43	107275	42.444	ug/L	94
23) Bromochloromethane	4.143	128	82131	22.856	ug/L	99
25) Chloroform	4.272	83	334728	23.577	ug/L	95

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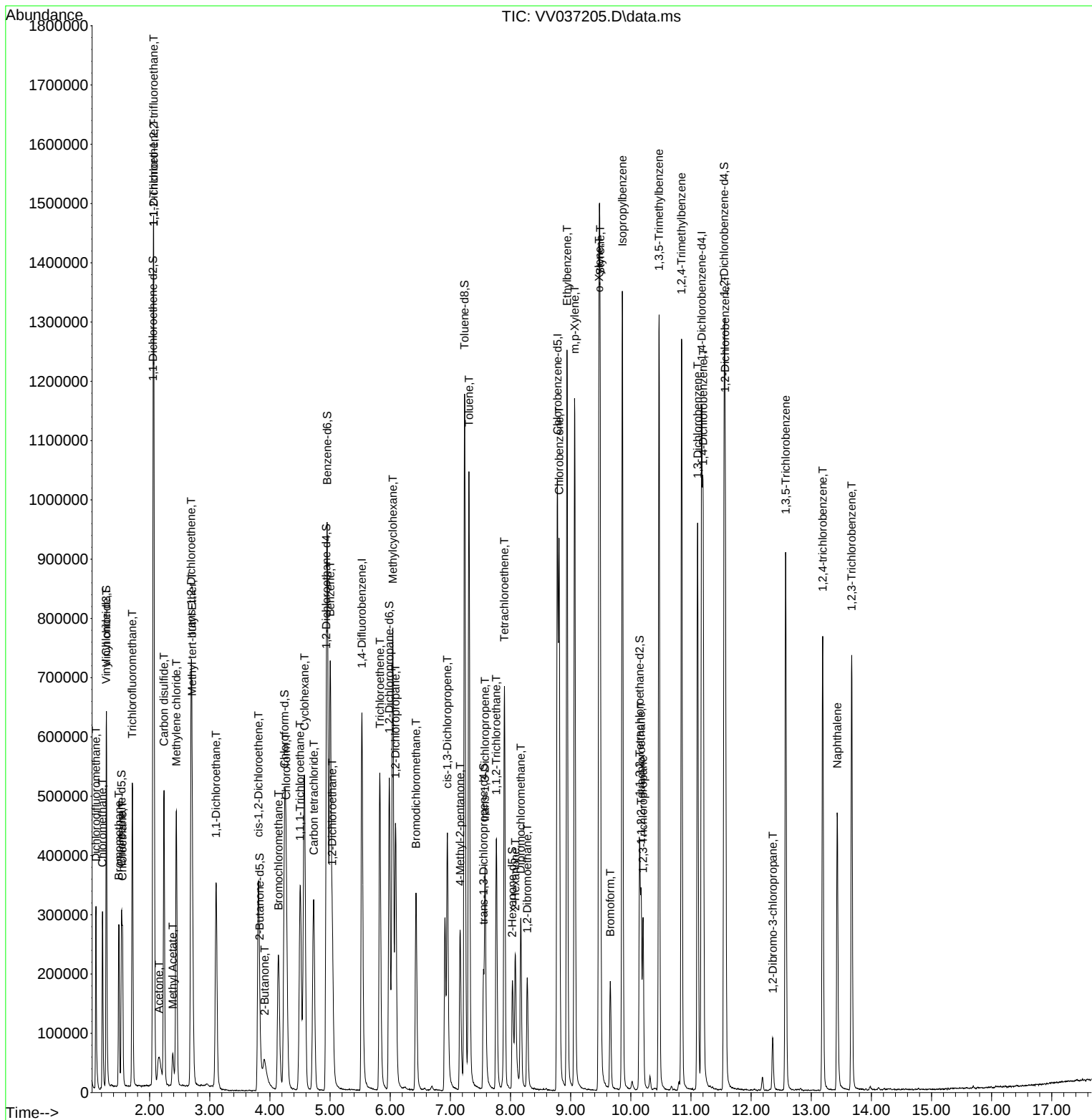
Instrument :
 MSVOA_V
 ClientSampleId :

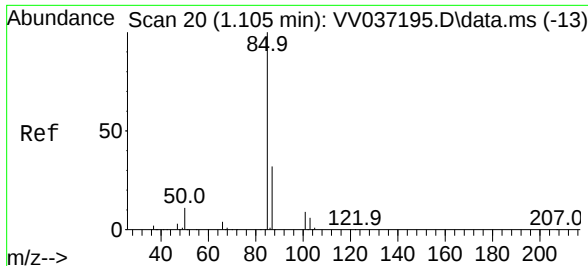
Quant Time: Sep 06 01:22:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM090424SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 05 02:17:17 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	211206	23.489	ug/L	97
29) Cyclohexane	4.574	56	291345	24.627	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	288608	24.784	ug/L	99
31) Carbon tetrachloride	4.728	117	245102	24.897	ug/L	98
33) Benzene	5.005	78	738185	25.092	ug/L	100
34) Trichloroethene	5.828	95	192060	23.986	ug/L	98
35) Methylcyclohexane	6.043	83	333286	25.546	ug/L	98
37) 1,2-Dichloropropane	6.088	63	184127	23.917	ug/L	99
38) Bromodichloromethane	6.429	83	230652	24.127	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	265902	22.775	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	193884	45.433	ug/L	98
42) Toluene	7.310	91	766113	24.746	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	220465	23.330	ug/L	99
45) 1,1,2-Trichloroethane	7.763	97	133230	23.175	ug/L	98
46) Tetrachloroethene	7.899	164	144956	24.629	ug/L	98
48) 2-Hexanone	8.082	43	147560	41.493	ug/L	95
49) Dibromochloromethane	8.172	129	143416	23.975	ug/L	98
50) 1,2-Dibromoethane	8.278	107	127301	23.176	ug/L	95
51) Chlorobenzene	8.808	112	485241	23.951	ug/L	99
52) Ethylbenzene	8.940	91	860768	24.829	ug/L	99
53) m,p-Xylene	9.066	106	320219	24.896	ug/L	97
54) o-Xylene	9.474	106	306681	24.751	ug/L	99
55) Styrene	9.490	104	523840	24.931	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	159083	23.221	ug/L	99
59) Bromoform	9.661	173	77238	23.032	ug/L	99
60) Isopropylbenzene	9.860	105	844161	24.611	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	111552	22.920	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	678503	24.908	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	668952	24.761	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	371601	23.761	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	372298	23.350	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	337840	23.290	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	22762	20.721	ug/L	89
69) 1,3,5-Trichlorobenzene	12.577	180	263077	23.709	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	219966	22.455	ug/L	99
71) Naphthalene	13.432	128	384763	20.134	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	200002	22.233	ug/L	98

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

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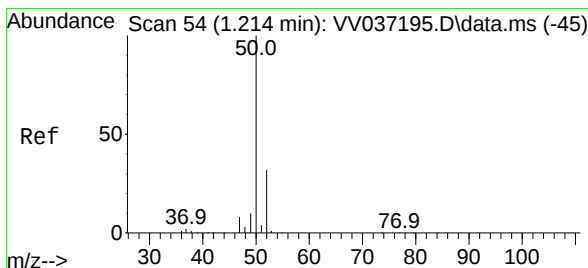
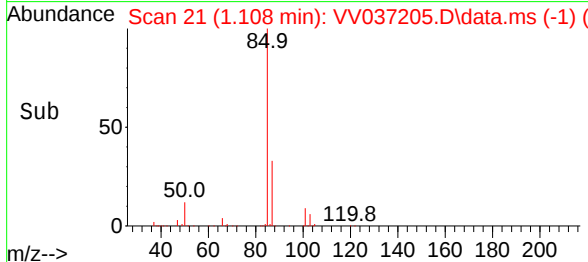
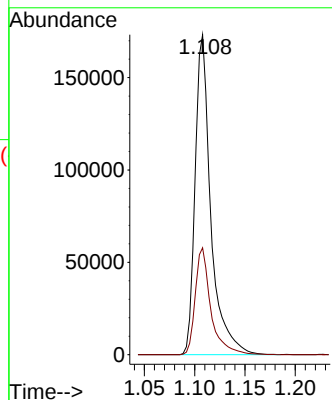
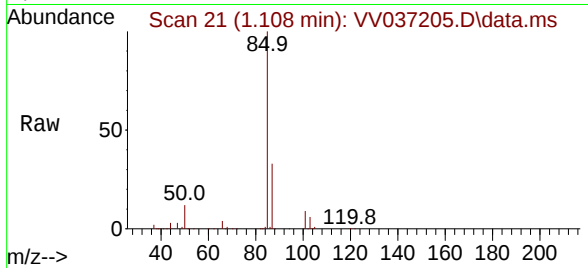




#2
Dichlorodifluoromethane
Concen: 24.508 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

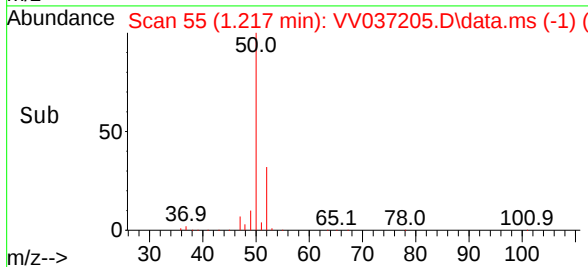
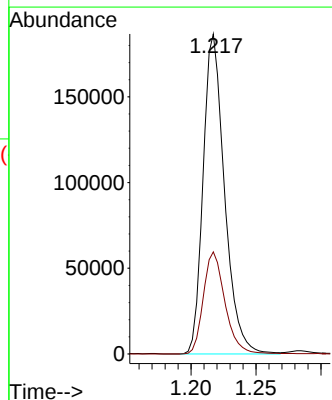
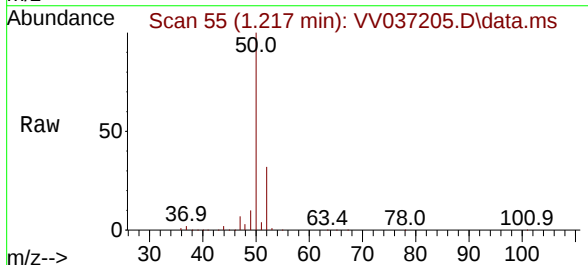
Instrument :
MSVOA_V
ClientSampleId :

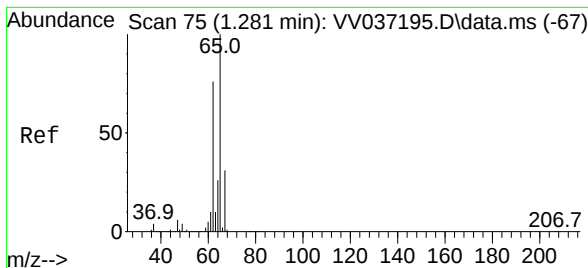
Tgt Ion: 85 Resp: 187925
Ion Ratio Lower Upper
85 100
87 33.3 26.1 39.1



#3
Chloromethane
Concen: 23.368 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion: 50 Resp: 214148
Ion Ratio Lower Upper
50 100
52 31.9 22.9 42.5





#5

Vinyl chloride

Concen: 24.418 ug/L

RT: 1.281 min Scan# 75

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

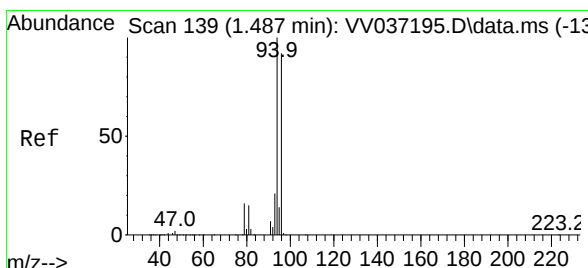
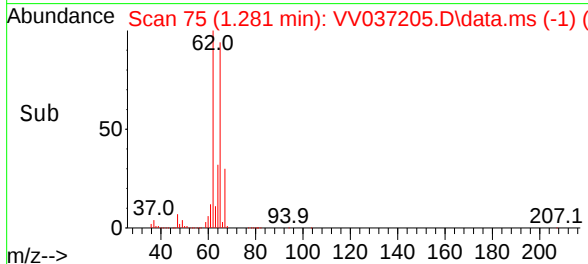
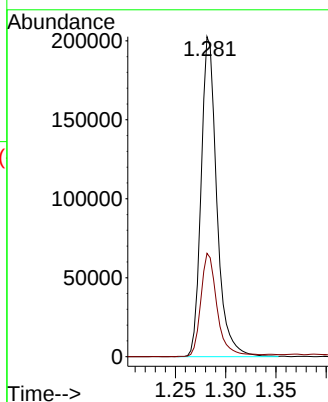
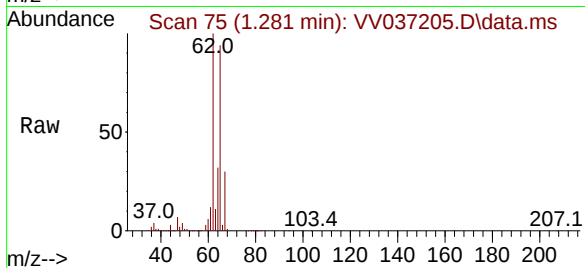
ClientSampleId :

Tgt Ion: 62 Resp: 220084

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.2



#6

Bromomethane

Concen: 22.838 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.000 min

Lab File: VV037205.D

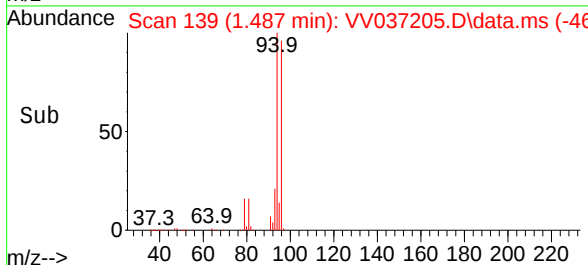
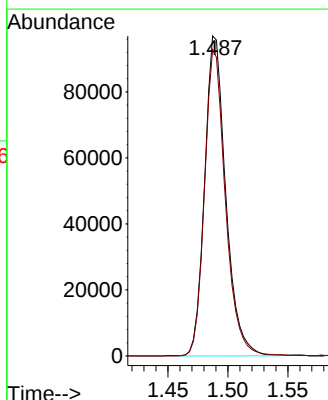
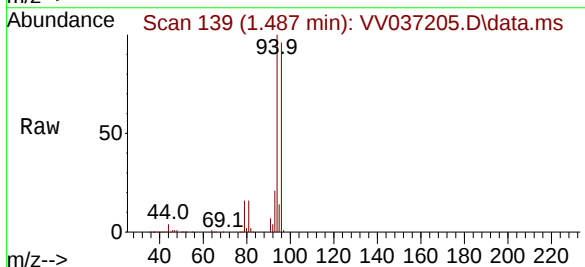
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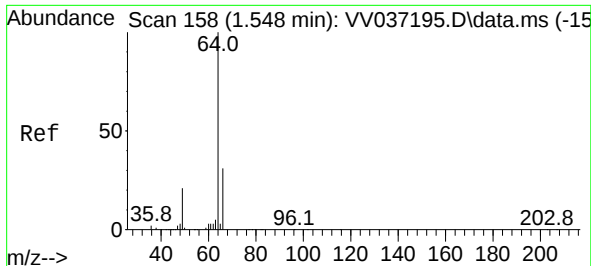
Tgt Ion: 94 Resp: 119075

Ion Ratio Lower Upper

94 100

96 95.7 66.6 123.6

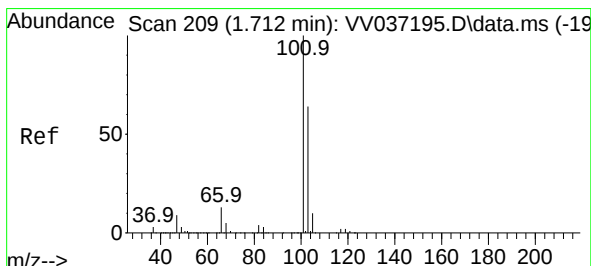
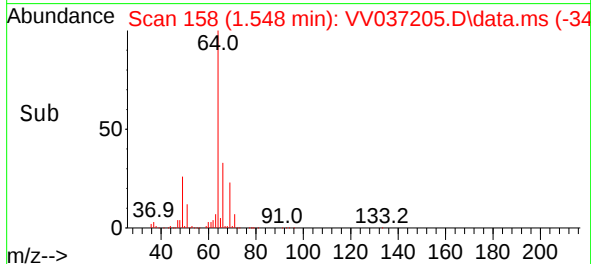
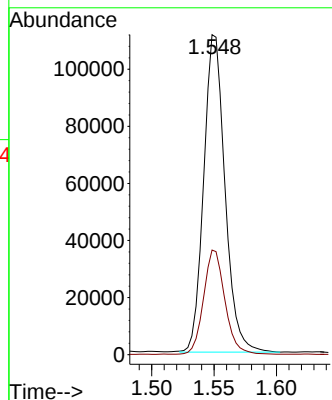
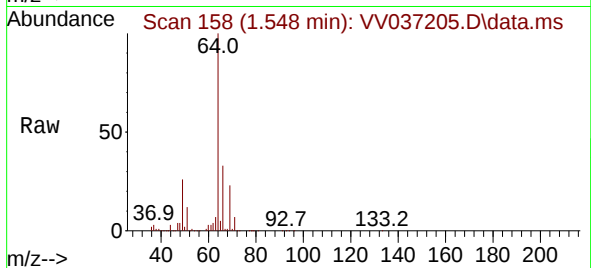




#8
Chloroethane
Concen: 23.847 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

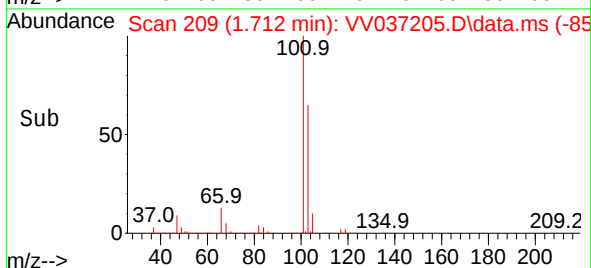
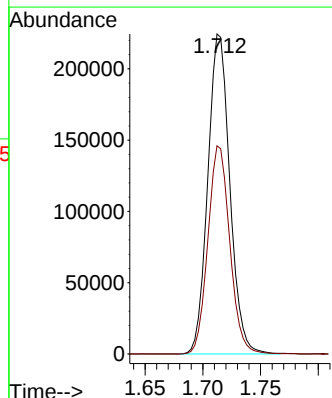
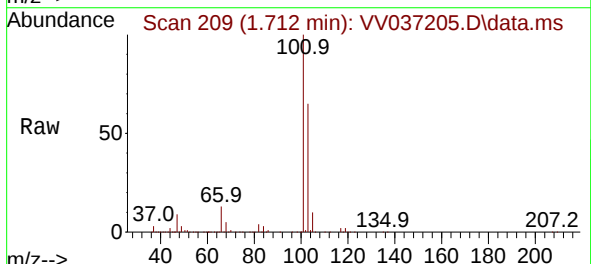
Instrument :
MSVOA_V
ClientSampleId :

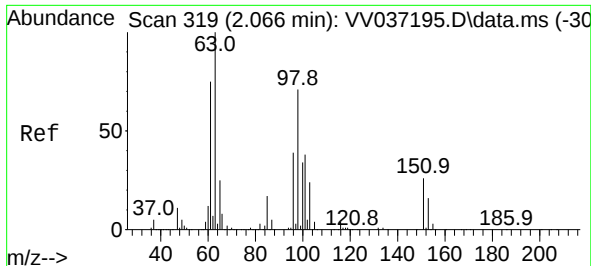
Tgt Ion: 64 Resp: 132211
Ion Ratio Lower Upper
64 100
66 32.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 24.211 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.000 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion:101 Resp: 297856
Ion Ratio Lower Upper
101 100
103 64.7 51.4 77.2

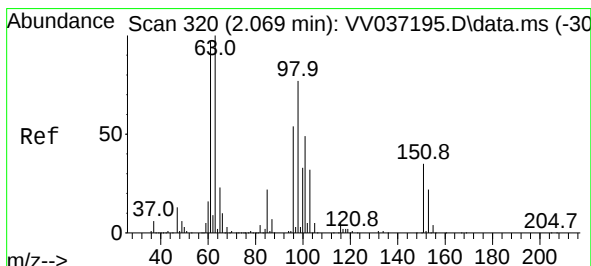
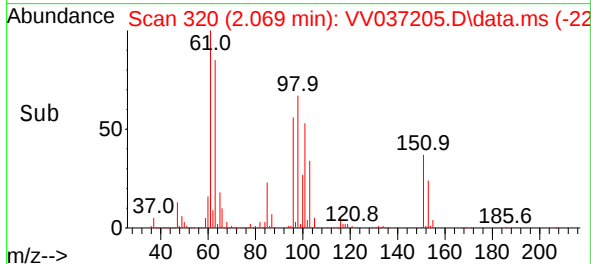
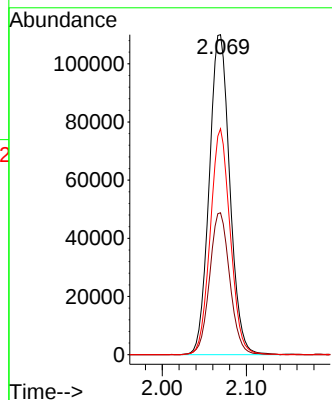
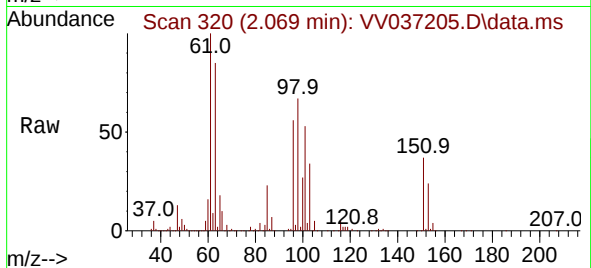




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.308 ug/L
 RT: 2.069 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV037205.D
 Acq: 05 Sep 2024 08:43

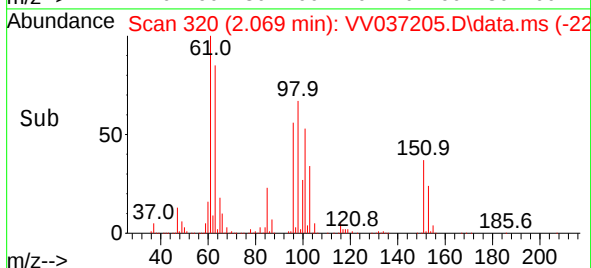
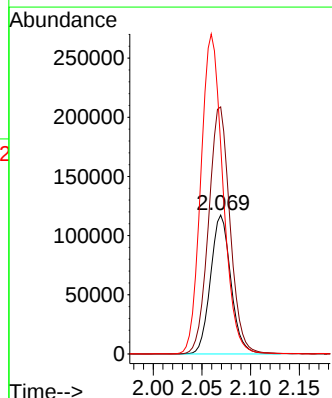
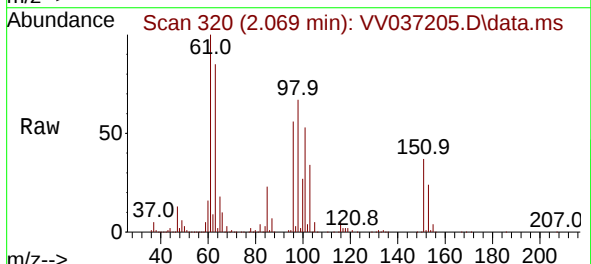
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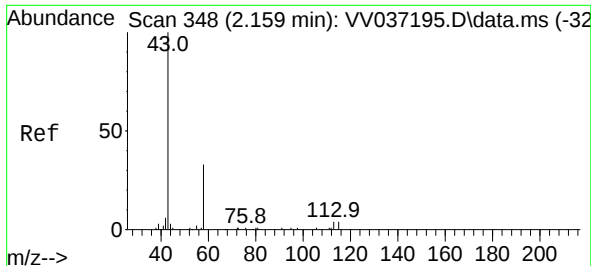
Tgt Ion:101 Resp: 186823
 Ion Ratio Lower Upper
 101 100
 85 43.6 34.7 52.1
 151 68.4 54.3 81.5



#12
 1,1-Dichloroethene
 Concen: 24.364 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.003 min
 Lab File: VV037205.D
 Acq: 05 Sep 2024 08:43

Tgt Ion: 96 Resp: 170573
 Ion Ratio Lower Upper
 96 100
 61 177.9 126.8 235.6
 63 150.6 110.4 205.0





#13

Acetone

Concen: 46.943 ug/L

RT: 2.153 min Scan# 34

Delta R.T. 0.006 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

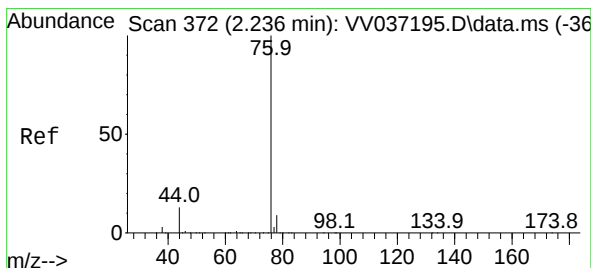
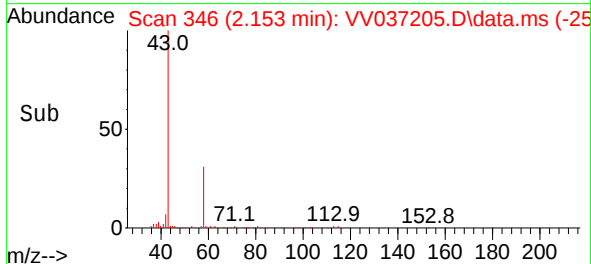
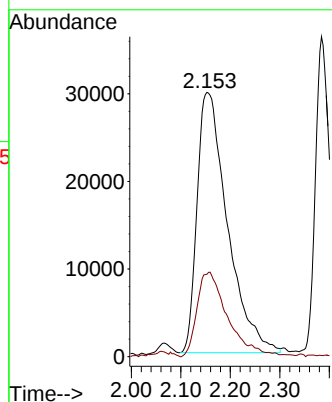
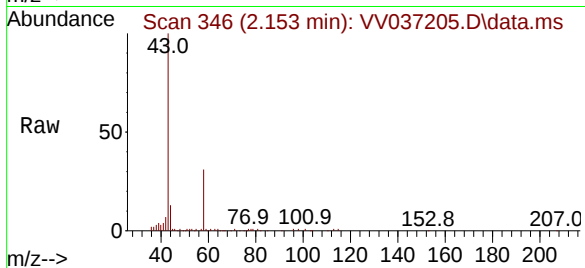
ClientSampleId :

Tgt Ion: 43 Resp: 126761

Ion Ratio Lower Upper

43 100

58 0.3 0.0 22.2



#14

Carbon disulfide

Concen: 23.850 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.003 min

Lab File: VV037205.D

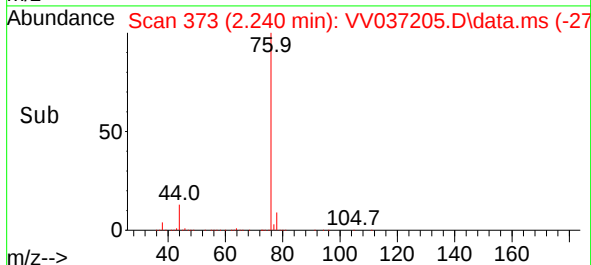
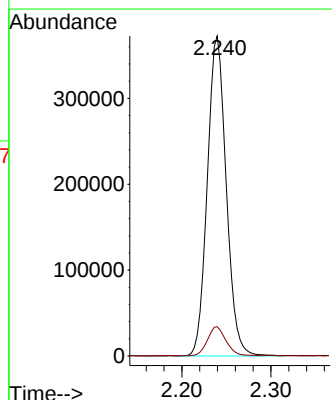
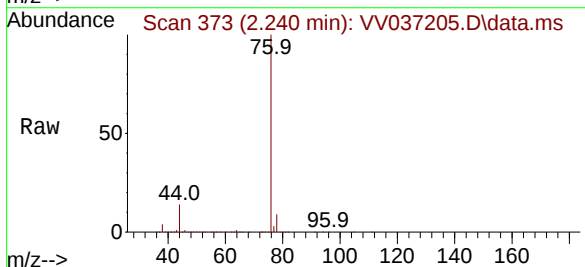
Acq: 05 Sep 2024 08:43

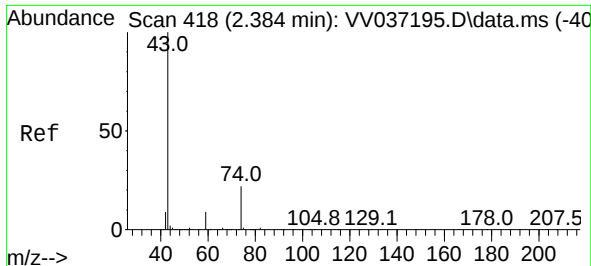
Tgt Ion: 76 Resp: 548094

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 22.165 ug/L

RT: 2.384 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

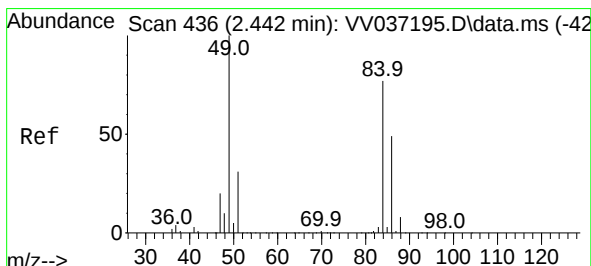
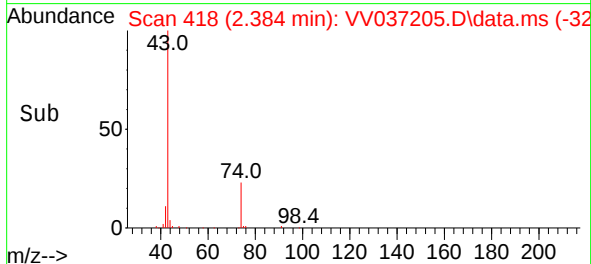
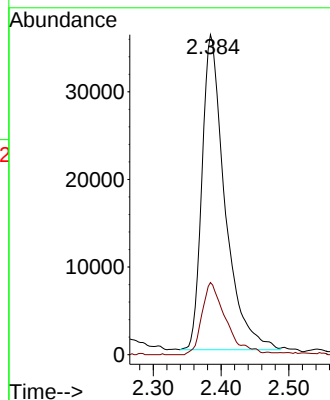
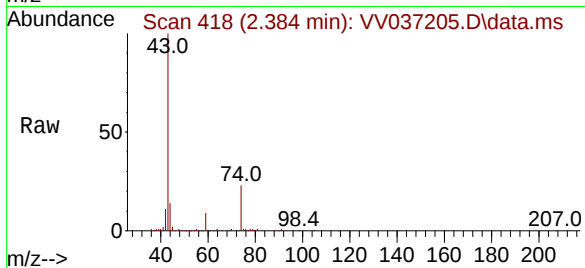
ClientSampleId :

Tgt Ion: 43 Resp: 84591

Ion Ratio Lower Upper

43 100

74 22.3 19.0 28.4



#16

Methylene chloride

Concen: 18.076 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

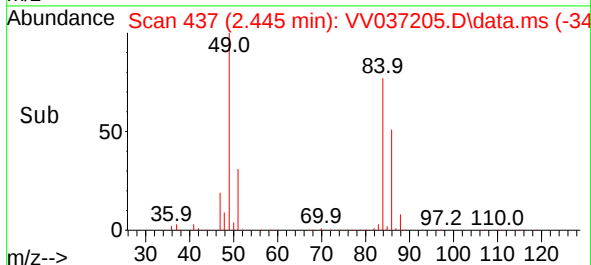
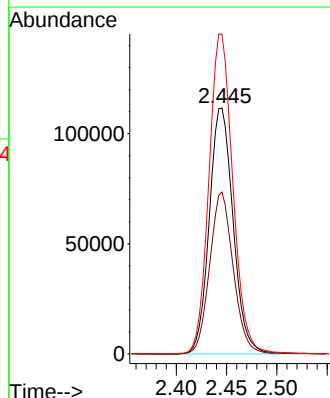
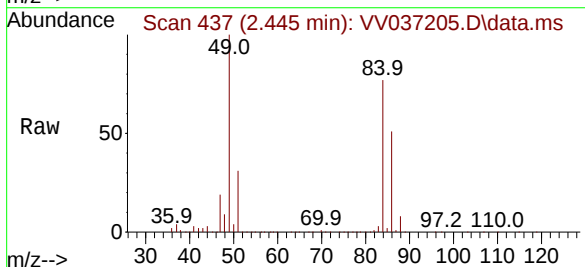
Tgt Ion: 84 Resp: 184541

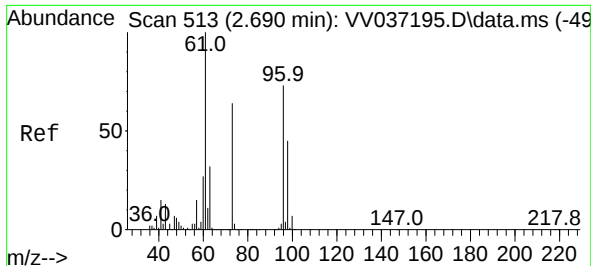
Ion Ratio Lower Upper

84 100

86 65.9 45.4 84.2

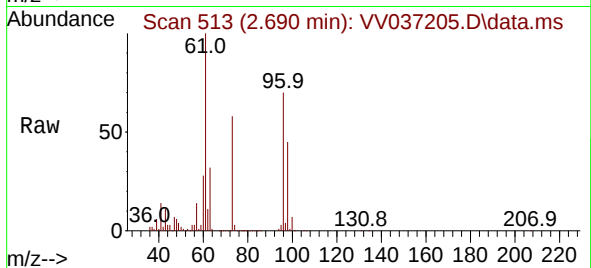
49 130.0 88.7 164.7





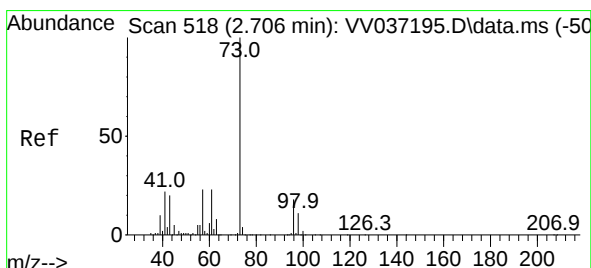
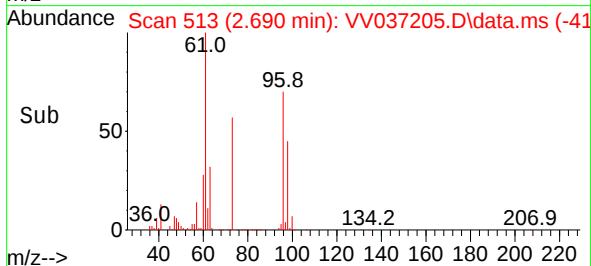
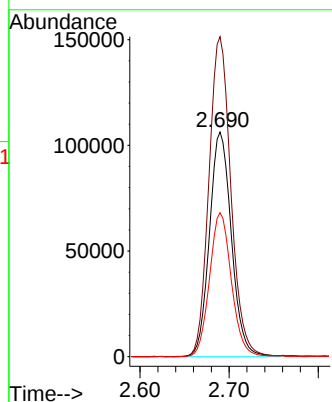
#17
trans-1,2-Dichloroethene
Concen: 23.856 ug/L
RT: 2.690 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 182215

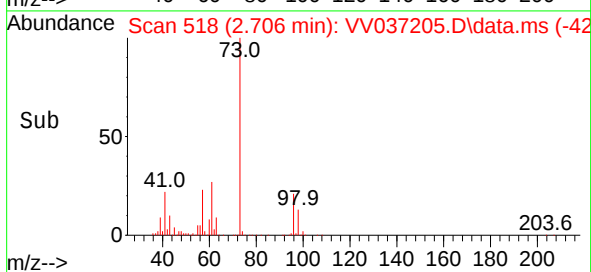
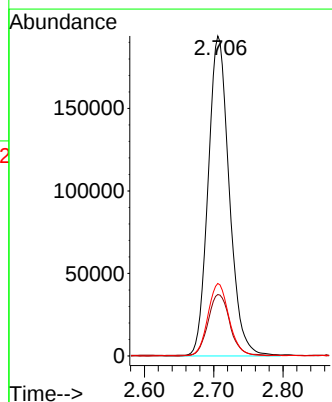
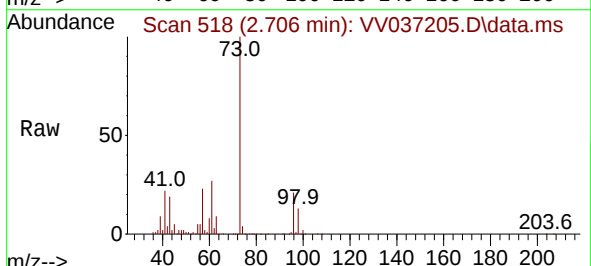
Ion	Ratio	Lower	Upper
96	100		
61	142.4	99.7	185.1
98	64.1	46.4	86.2

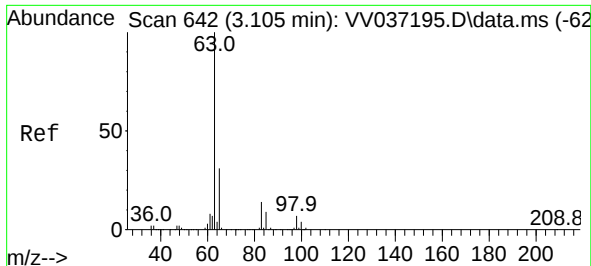


#18
Methyl tert-butyl Ether
Concen: 22.926 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion: 73 Resp: 409902

Ion	Ratio	Lower	Upper
73	100		
43	19.3	15.7	23.5
57	22.7	18.3	27.5

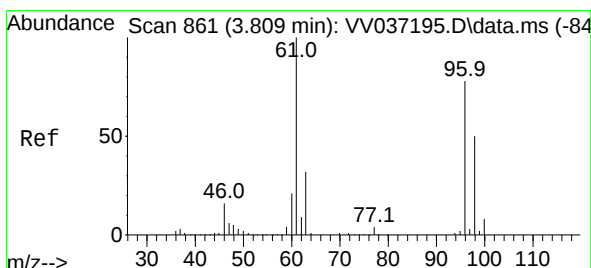
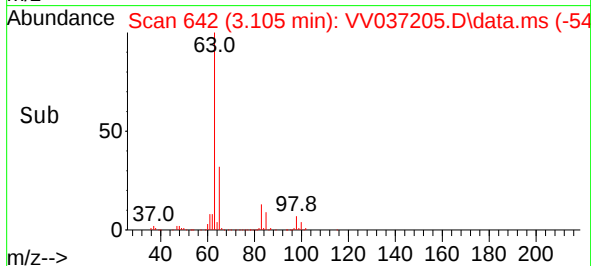
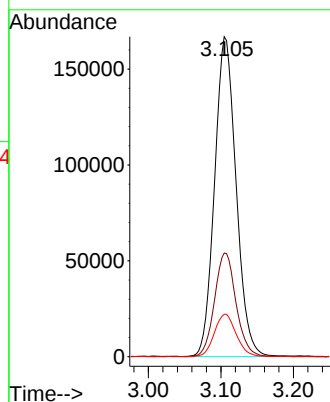
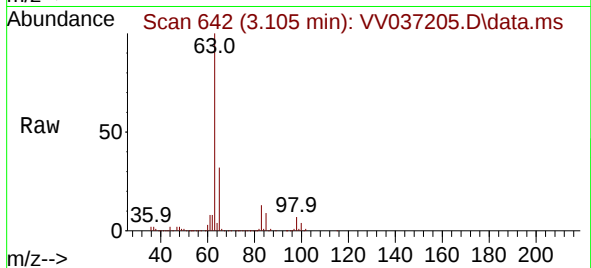




#19
1,1-Dichloroethane
Concen: 23.478 ug/L
RT: 3.105 min Scan# 642
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

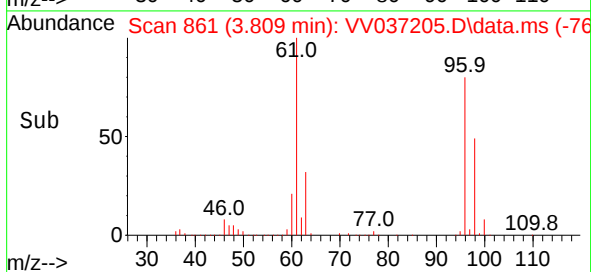
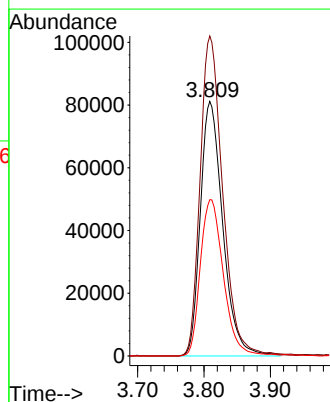
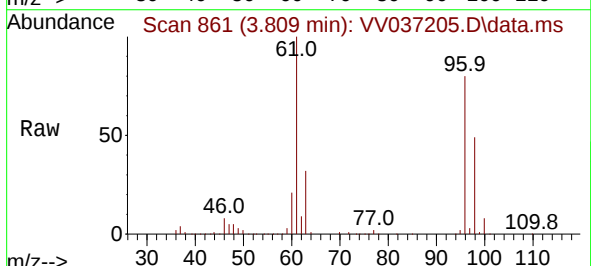
Instrument :
MSVOA_V
ClientSampleId :

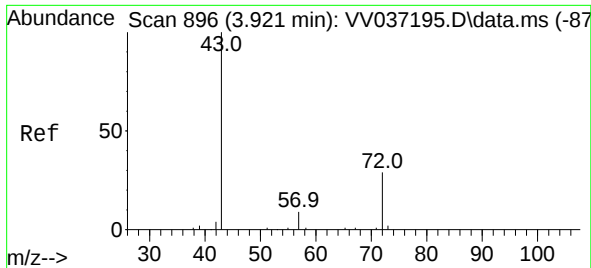
Tgt Ion: 63 Resp: 343340
Ion Ratio Lower Upper
63 100
65 32.4 22.4 41.6
83 13.3 9.3 17.3



#20
cis-1,2-Dichloroethene
Concen: 23.650 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.006 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion: 96 Resp: 190687
Ion Ratio Lower Upper
96 100
61 125.7 87.6 162.6
98 61.4 44.0 81.6

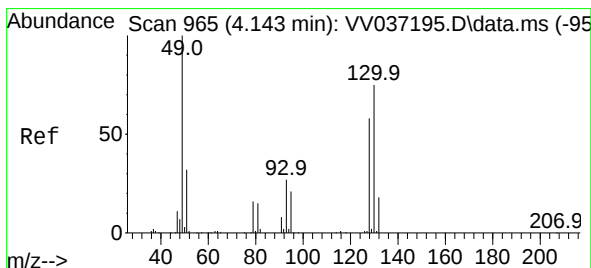
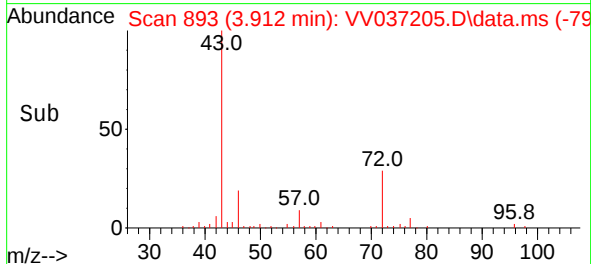
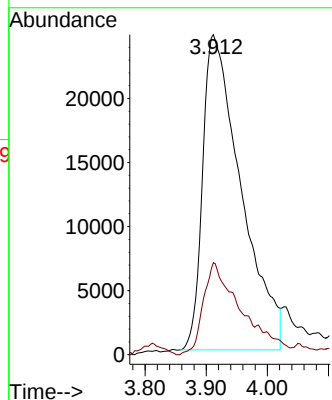
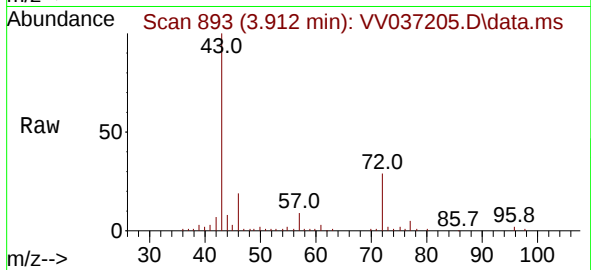




#22
2-Butanone
Concen: 42.444 ug/L
RT: 3.912 min Scan# 896
Delta R.T. 0.006 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

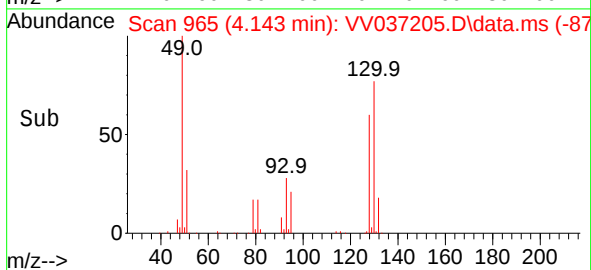
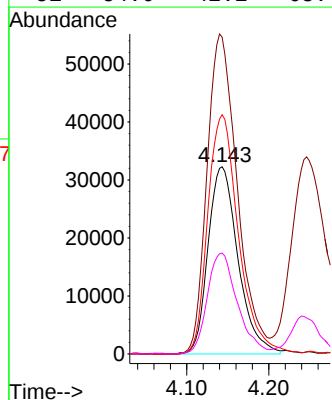
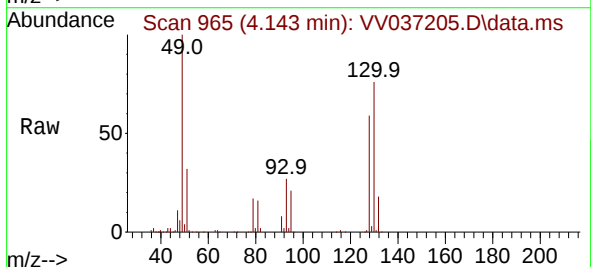
Instrument :
MSVOA_V
ClientSampleId :

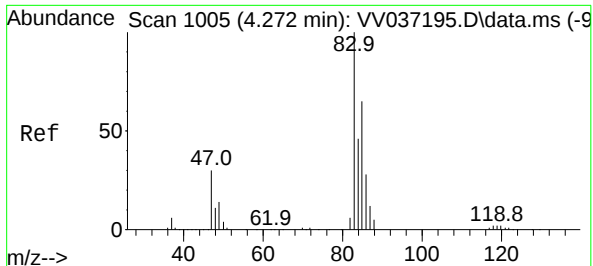
Tgt Ion: 43 Resp: 107275
Ion Ratio Lower Upper
43 100
72 17.5 10.2 30.6



#23
Bromochloromethane
Concen: 22.856 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.006 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion:128 Resp: 82131
Ion Ratio Lower Upper
128 100
49 169.2 117.8 218.8
130 127.8 88.4 164.2
51 54.0 42.2 63.4





#25

Chloroform

Concen: 23.577 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

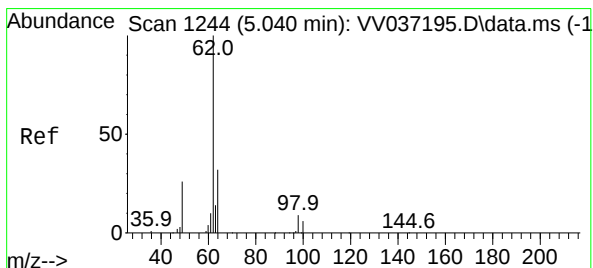
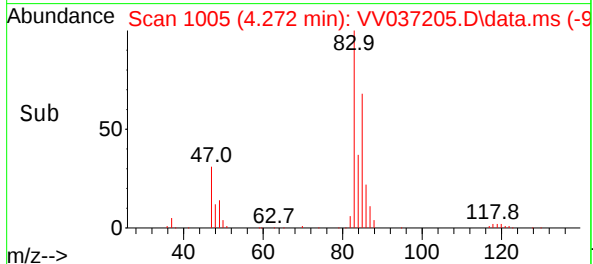
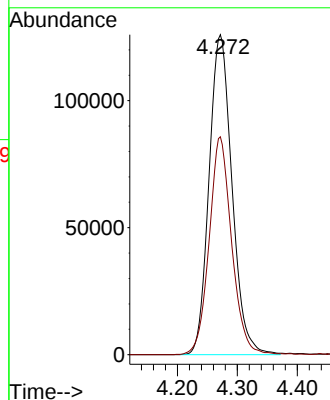
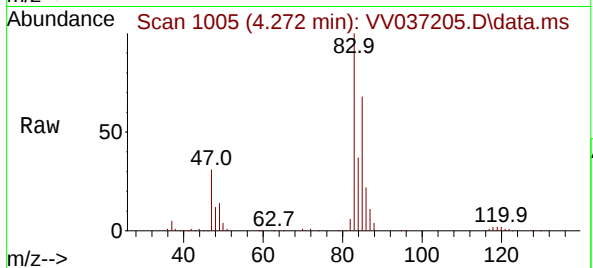
ClientSampleId :

Tgt Ion: 83 Resp: 334728

Ion Ratio Lower Upper

83 100

85 68.1 44.9 83.3



#27

1,2-Dichloroethane

Concen: 23.489 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV037205.D

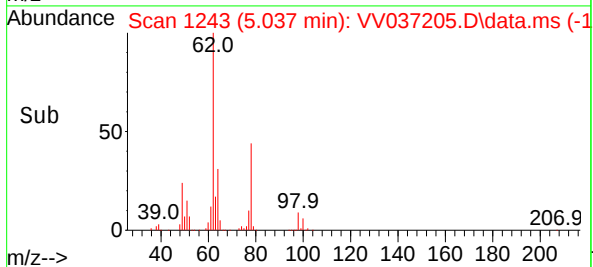
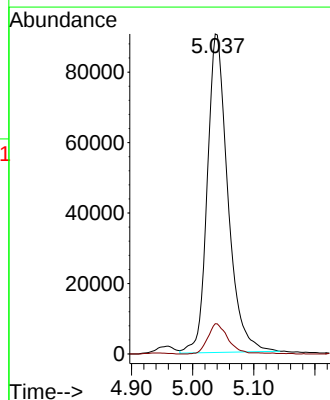
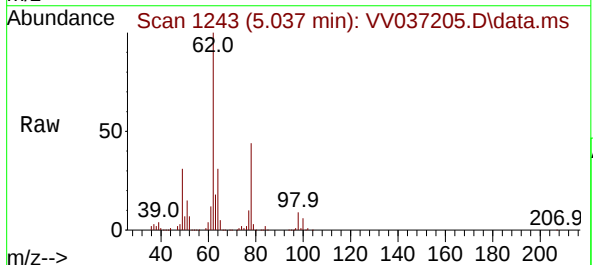
Acq: 05 Sep 2024 08:43

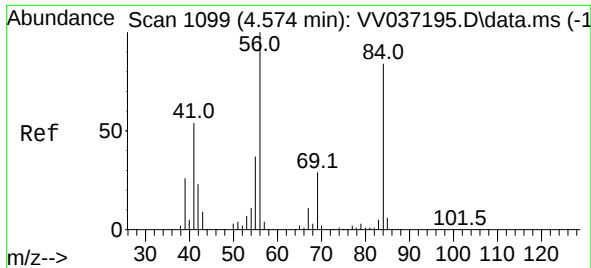
Tgt Ion: 62 Resp: 211206

Ion Ratio Lower Upper

62 100

98 9.5 8.3 12.5





#29

Cyclohexane

Concen: 24.627 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.006 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

ClientSampleId :

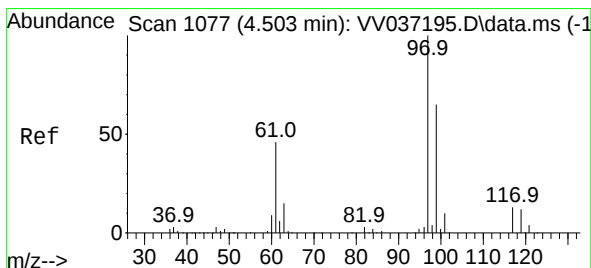
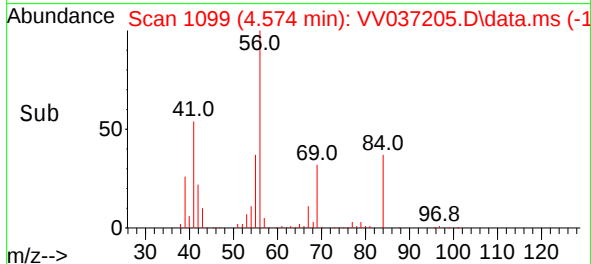
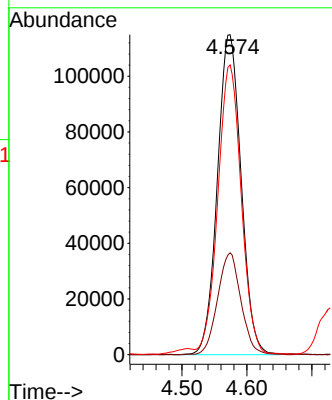
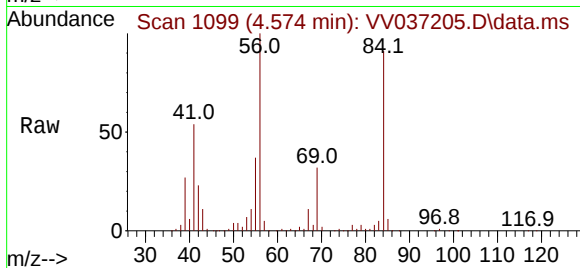
Tgt Ion: 56 Resp: 291345

Ion Ratio Lower Upper

56 100

69 31.2 24.3 36.5

84 89.0 71.1 106.7



#30

1,1,1-Trichloroethane

Concen: 24.784 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

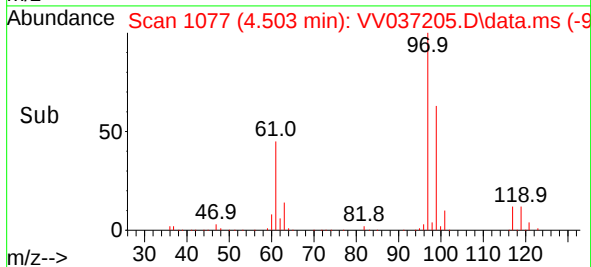
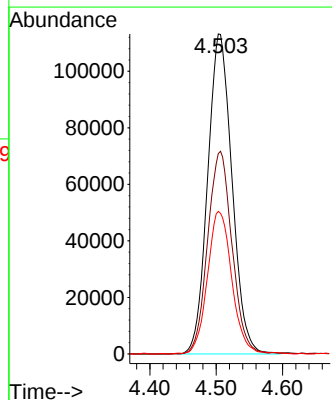
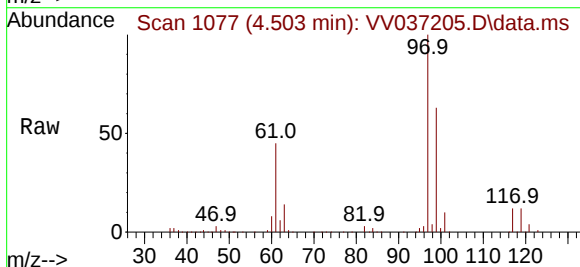
Tgt Ion: 97 Resp: 288608

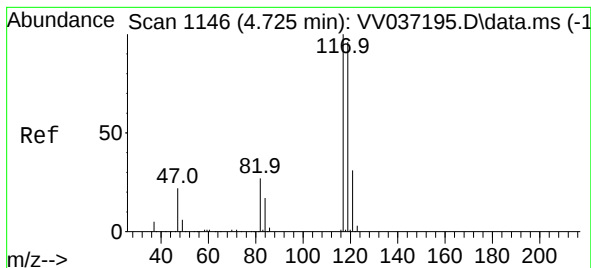
Ion Ratio Lower Upper

97 100

99 63.3 51.5 77.3

61 43.8 35.4 53.2





#31

Carbon tetrachloride

Concen: 24.897 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

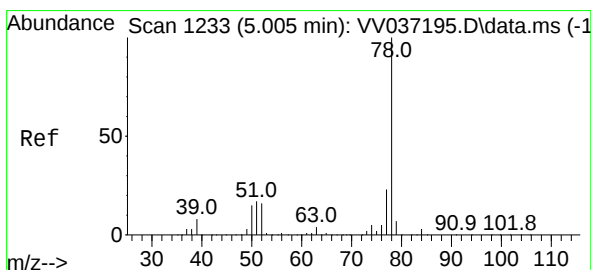
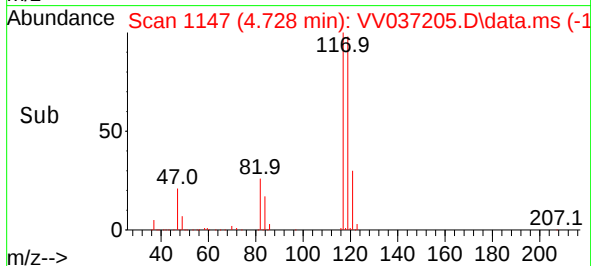
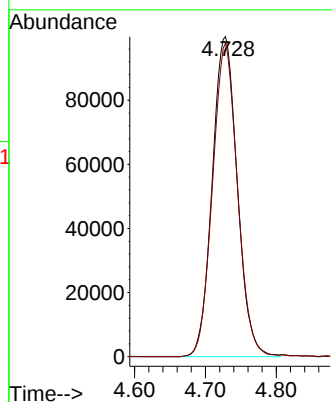
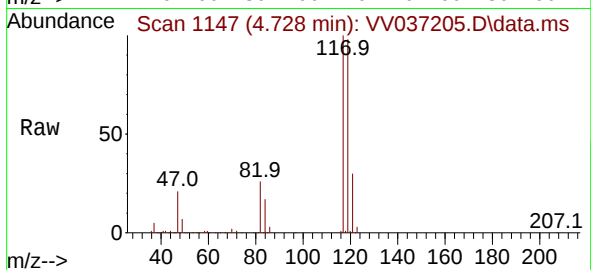
ClientSampleId :

Tgt Ion:117 Resp: 245102

Ion Ratio Lower Upper

117 100

119 97.3 76.2 114.4



#33

Benzene

Concen: 25.092 ug/L

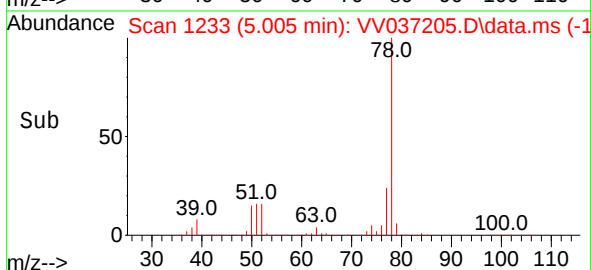
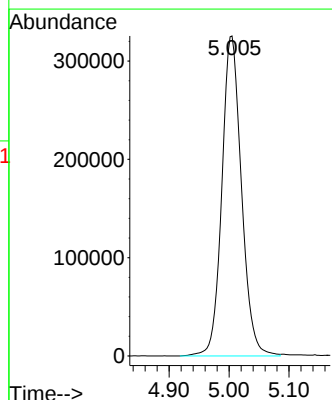
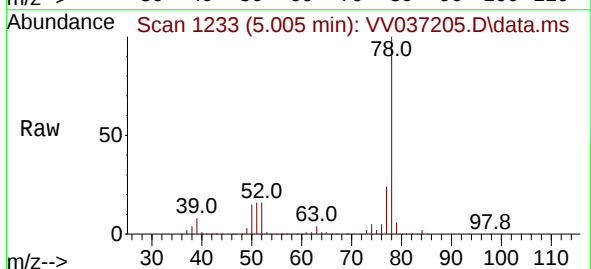
RT: 5.005 min Scan# 1233

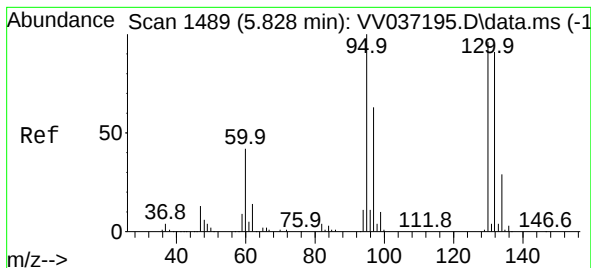
Delta R.T. 0.006 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Tgt Ion: 78 Resp: 738185





#34

Trichloroethene

Concen: 23.986 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 192060

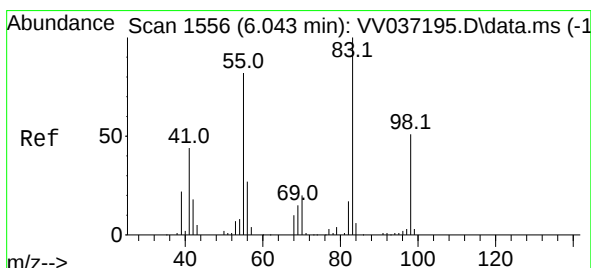
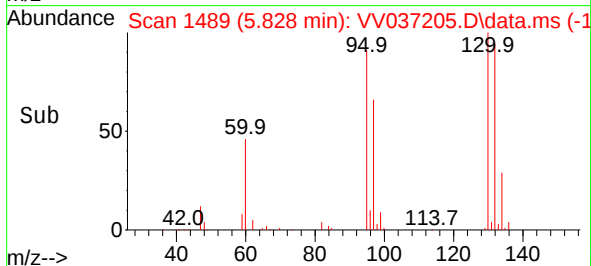
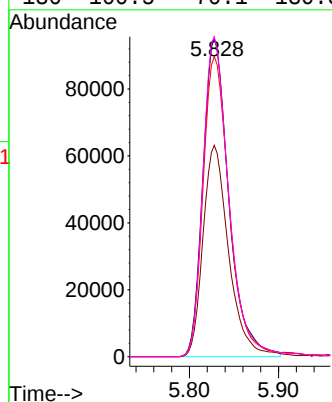
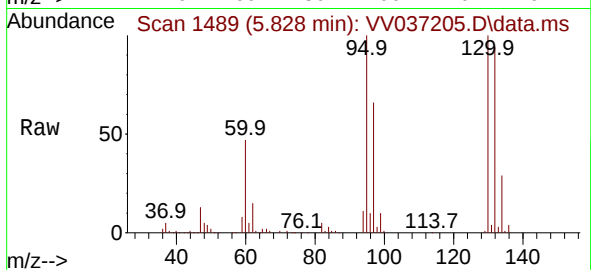
Ion Ratio Lower Upper

95 100

97 66.4 44.0 81.6

132 94.3 64.3 119.5

130 100.5 70.1 130.3



#35

Methylcyclohexane

Concen: 25.546 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.003 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

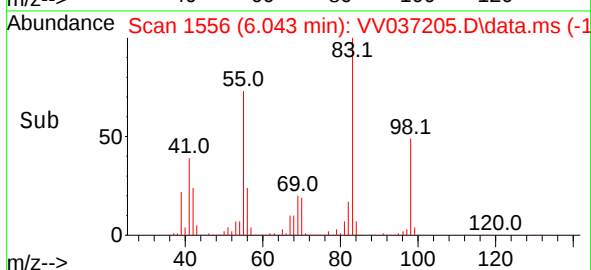
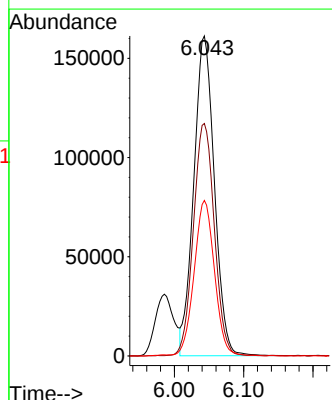
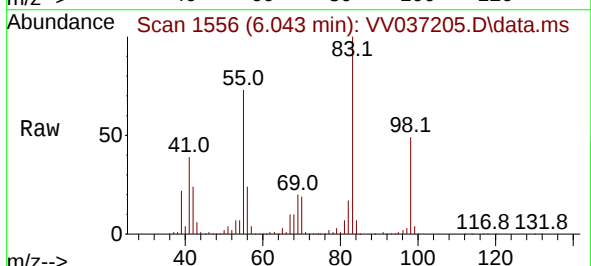
Tgt Ion: 83 Resp: 333286

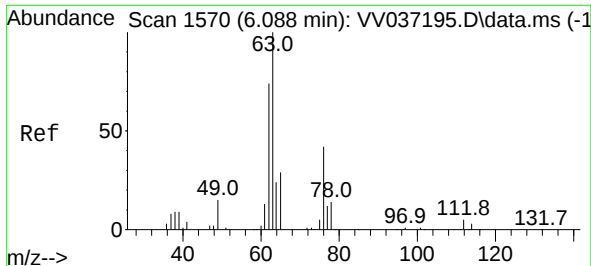
Ion Ratio Lower Upper

83 100

55 74.0 61.6 92.4

98 48.2 38.5 57.7

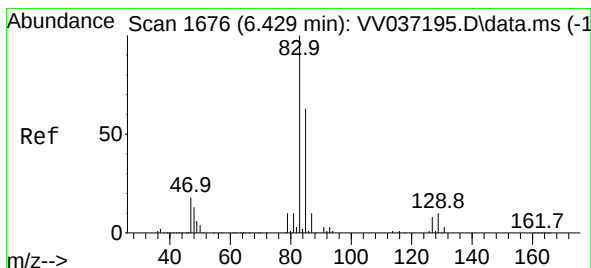
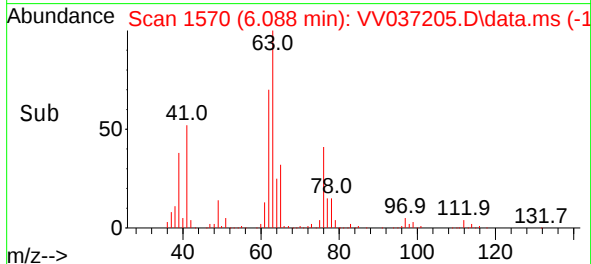
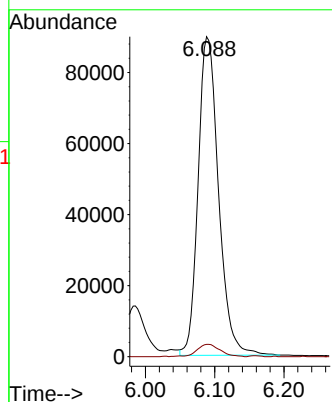
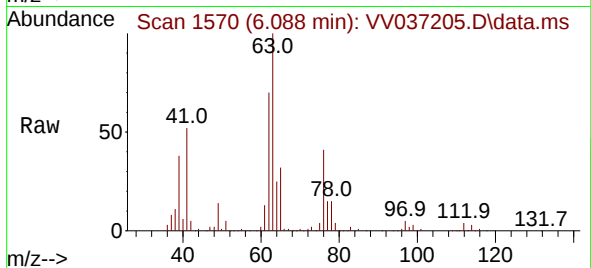




#37
1,2-Dichloropropane
Concen: 23.917 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

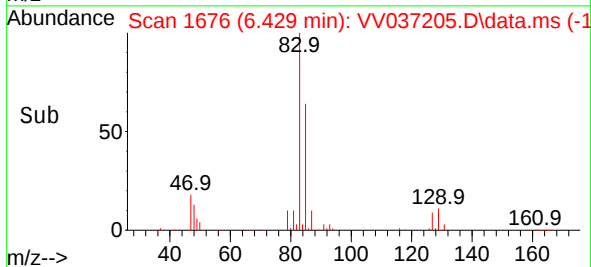
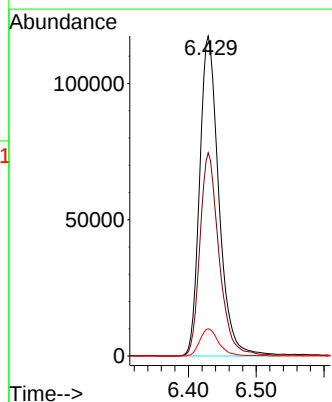
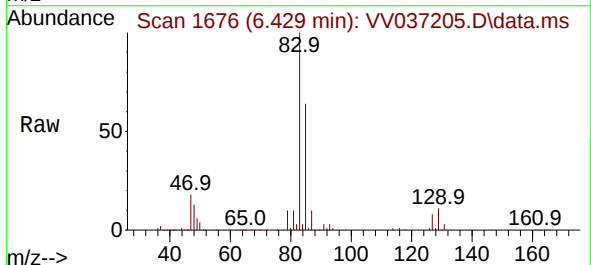
Instrument :
MSVOA_V
ClientSampleId :

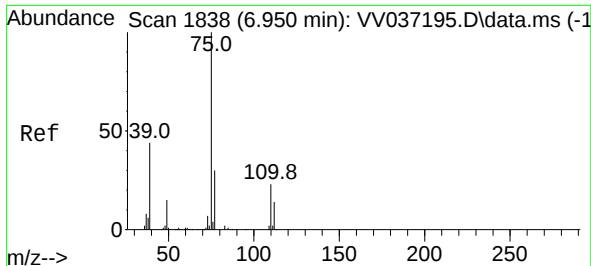
Tgt Ion: 63 Resp: 184127
Ion Ratio Lower Upper
63 100
112 4.3 3.8 5.6



#38
Bromodichloromethane
Concen: 24.127 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion: 83 Resp: 230652
Ion Ratio Lower Upper
83 100
85 63.5 45.9 85.3
127 8.5 6.5 9.7

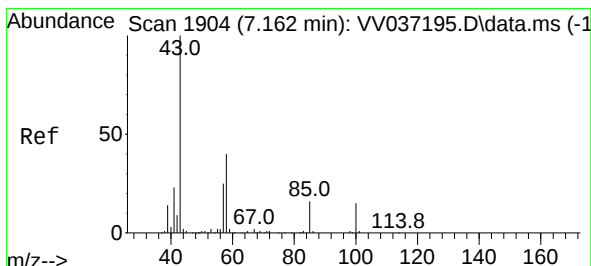
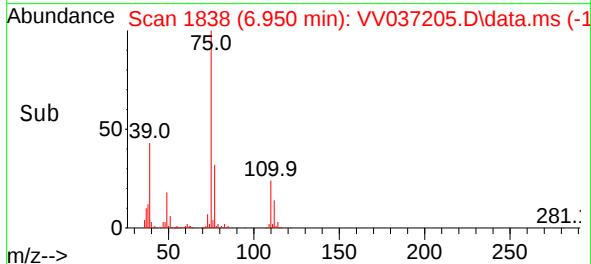
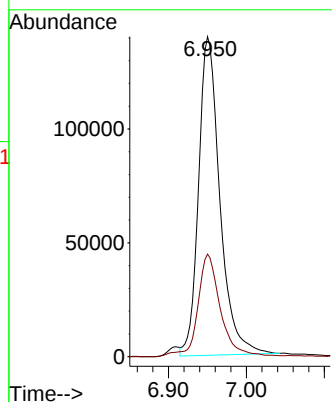
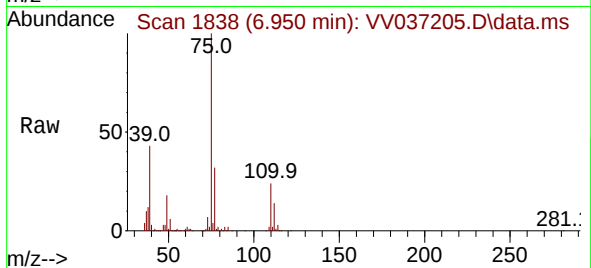




#39
cis-1,3-Dichloropropene
Concen: 22.775 ug/L
RT: 6.950 min Scan# 1838
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

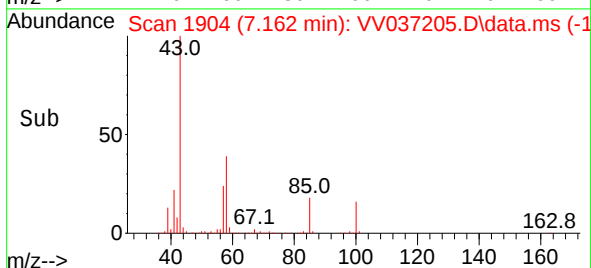
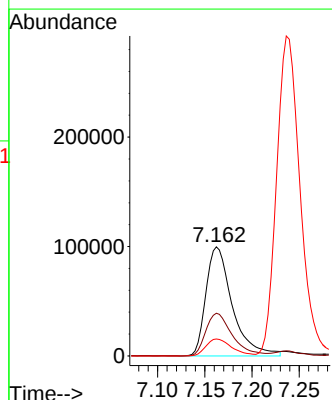
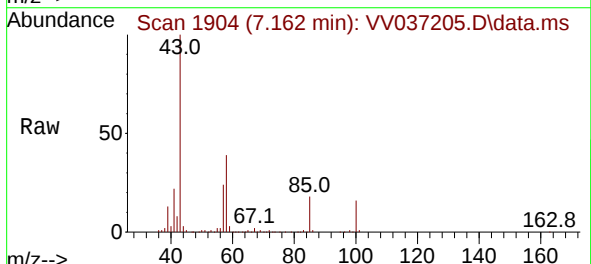
Instrument :
MSVOA_V
ClientSampleId :

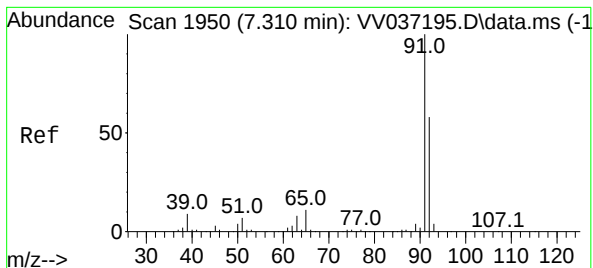
Tgt Ion: 75 Resp: 265902
Ion Ratio Lower Upper
75 100
77 32.1 21.6 40.0



#40
4-Methyl-2-pentanone
Concen: 45.433 ug/L
RT: 7.162 min Scan# 1904
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion: 43 Resp: 193884
Ion Ratio Lower Upper
43 100
58 39.5 30.3 45.5
100 15.3 11.6 17.4





#42

Toluene

Concen: 24.746 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

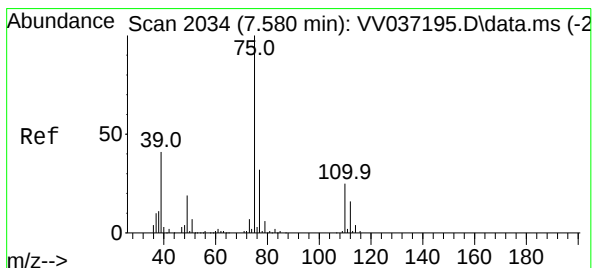
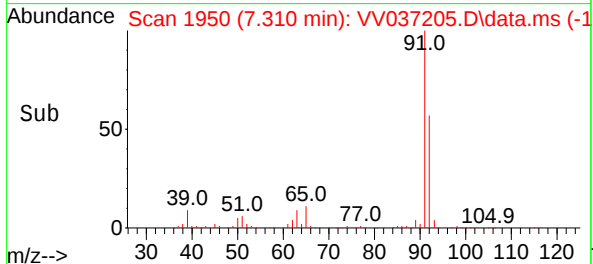
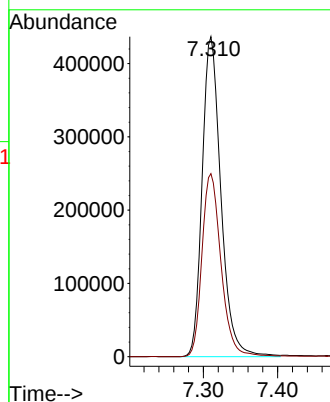
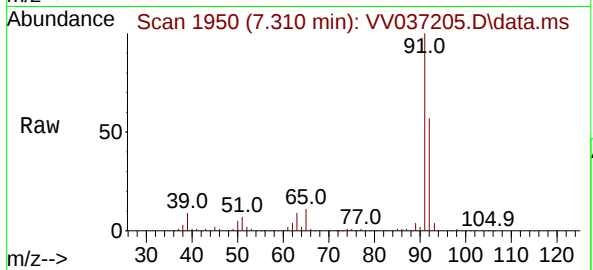
ClientSampleId :

Tgt Ion: 91 Resp: 766113

Ion Ratio Lower Upper

91 100

92 57.2 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 23.330 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV037205.D

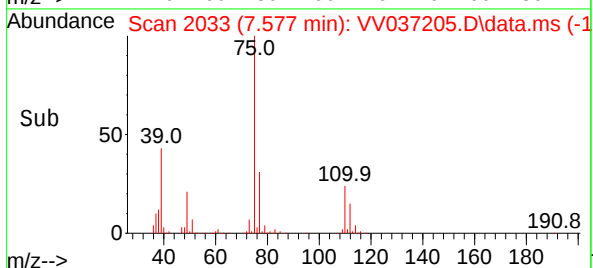
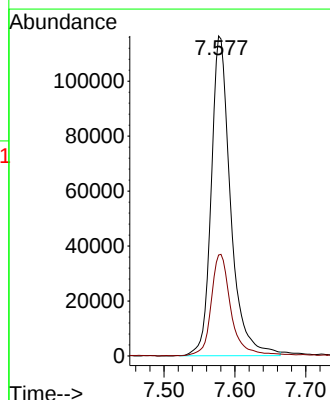
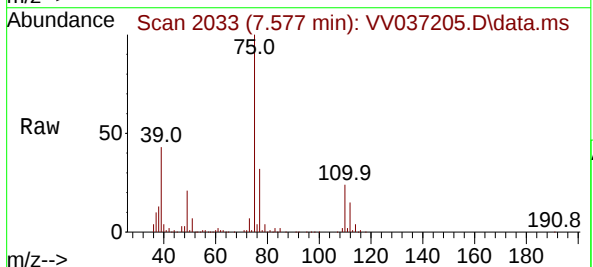
Acq: 05 Sep 2024 08:43

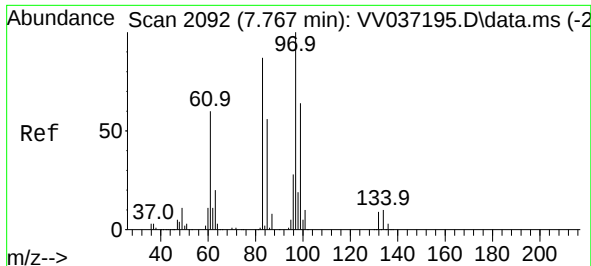
Tgt Ion: 75 Resp: 220465

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 23.175 ug/L

RT: 7.763 min Scan# 2092

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 133230

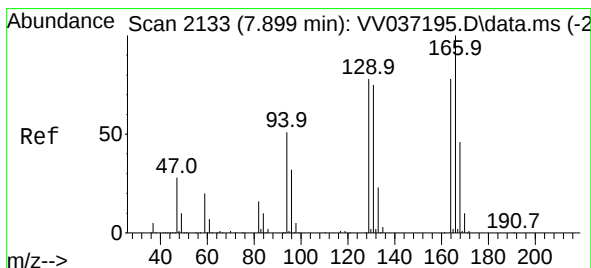
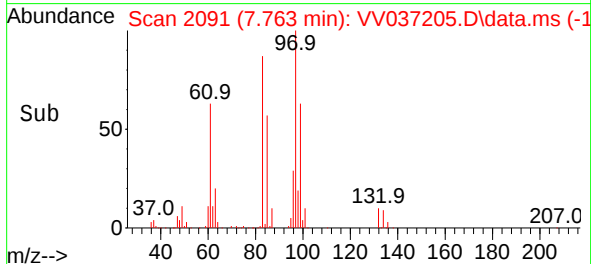
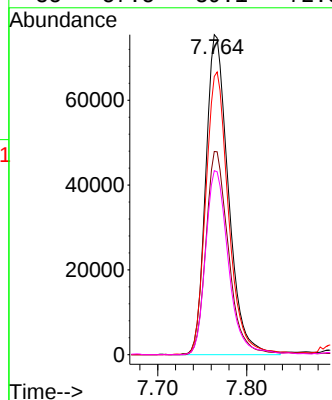
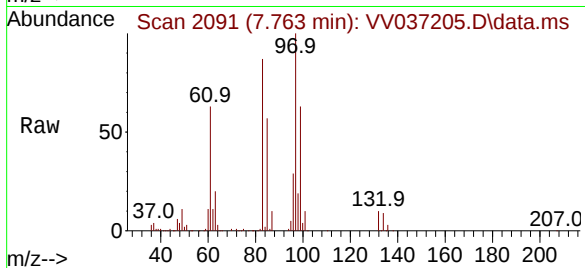
Ion Ratio Lower Upper

97 100

99 63.5 43.2 80.2

83 87.0 60.0 111.4

85 57.5 39.1 72.5



#46

Tetrachloroethene

Concen: 24.629 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Tgt Ion:164 Resp: 144956

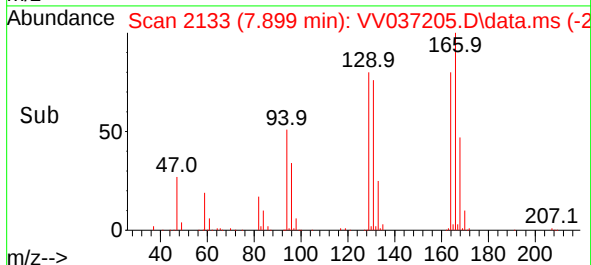
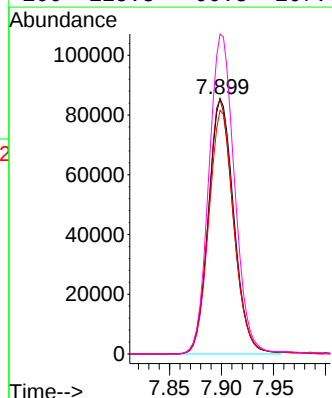
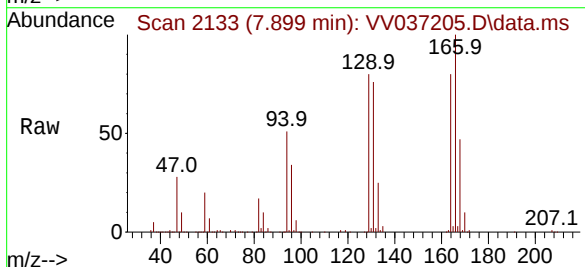
Ion Ratio Lower Upper

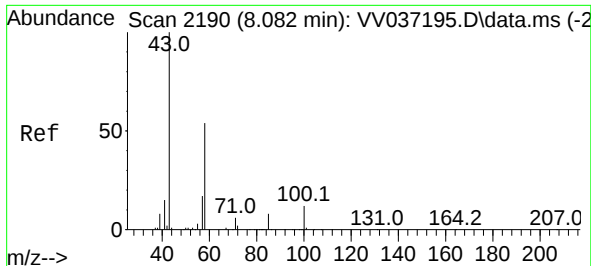
164 100

129 99.9 70.0 130.0

131 95.4 68.0 126.2

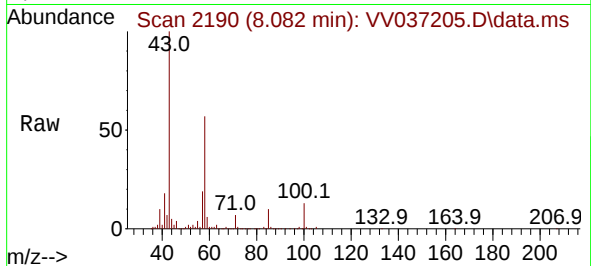
166 125.3 90.3 167.7



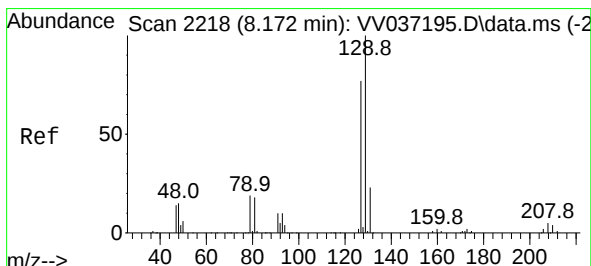
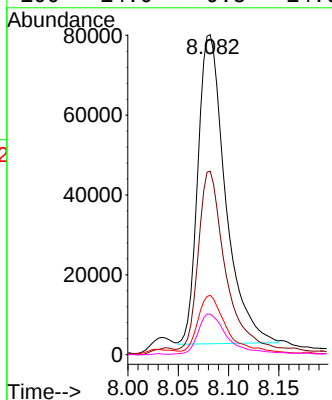
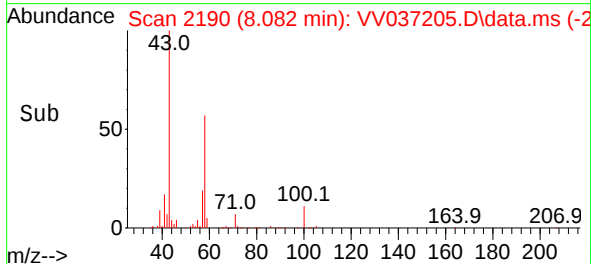


#48
2-Hexanone
Concen: 41.493 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Instrument :
MSVOA_V
ClientSampleId :

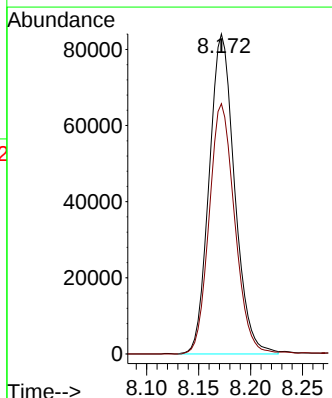
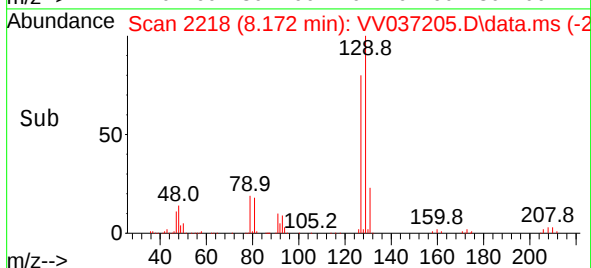
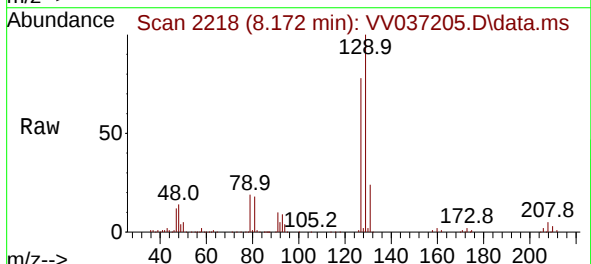


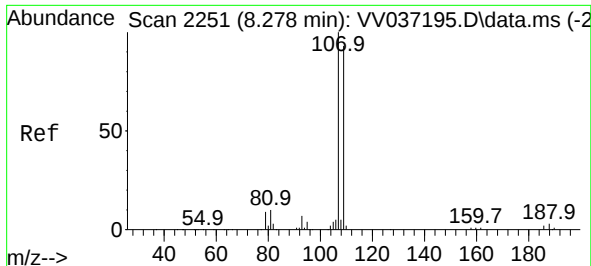
Tgt Ion: 43 Resp: 147560
Ion Ratio Lower Upper
43 100
58 57.7 42.9 64.3
57 17.4 14.6 21.8
100 14.0 9.8 14.6



#49
Dibromochloromethane
Concen: 23.975 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion: 129 Resp: 143416
Ion Ratio Lower Upper
129 100
127 78.2 56.0 104.0

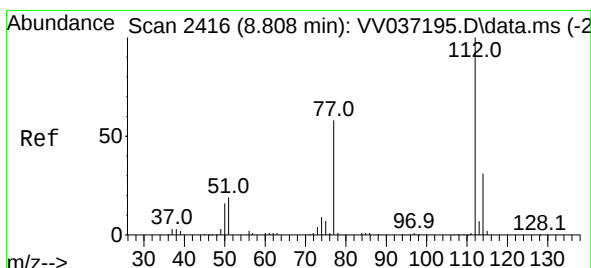
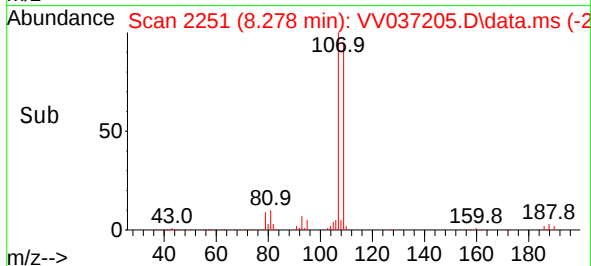
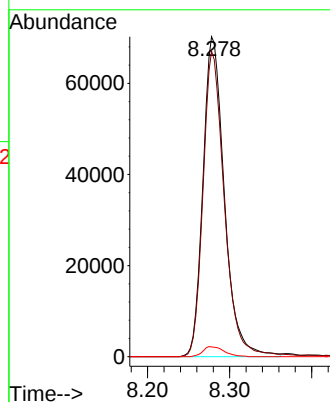
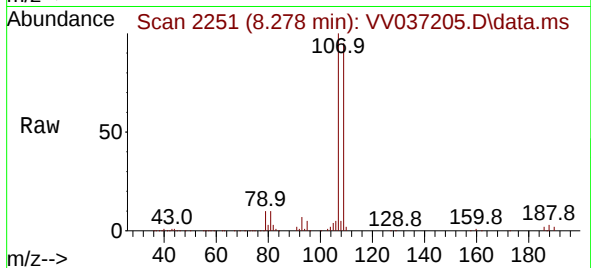




#50
1,2-Dibromoethane
Concen: 23.176 ug/L
RT: 8.278 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

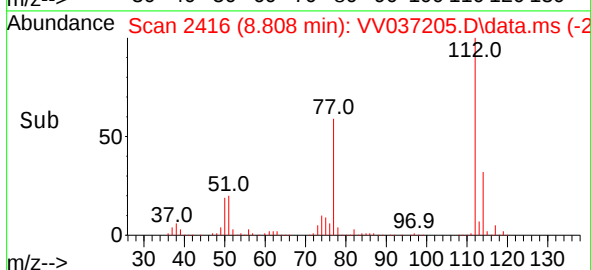
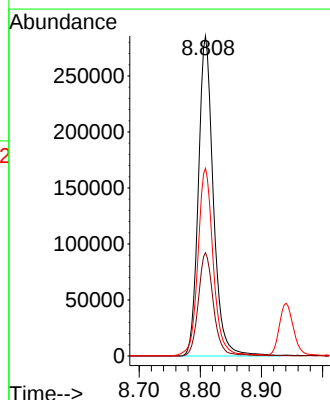
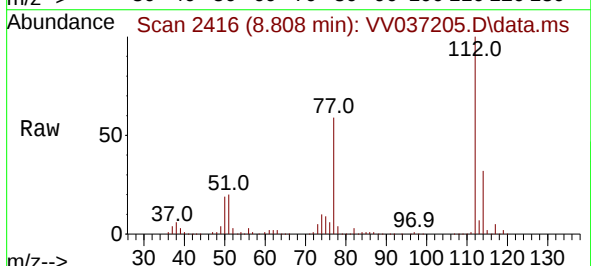
Instrument :
MSVOA_V
ClientSampleId :

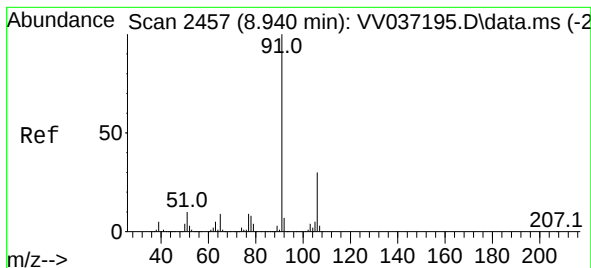
Tgt Ion:107 Resp: 127301
Ion Ratio Lower Upper
107 100
109 95.4 63.5 117.9
188 3.1 2.5 3.7



#51
Chlorobenzene
Concen: 23.951 ug/L
RT: 8.808 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion:112 Resp: 485241
Ion Ratio Lower Upper
112 100
114 32.3 22.4 41.6
77 58.6 47.5 71.3





#52

Ethylbenzene

Concen: 24.829 ug/L

RT: 8.940 min Scan# 2457

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

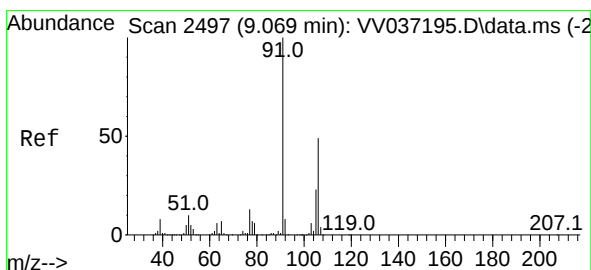
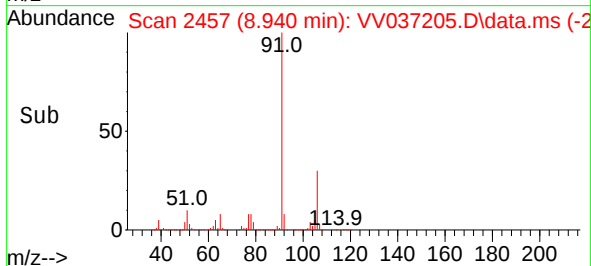
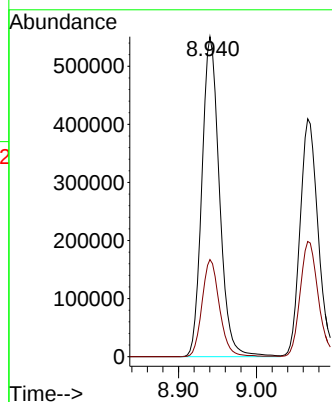
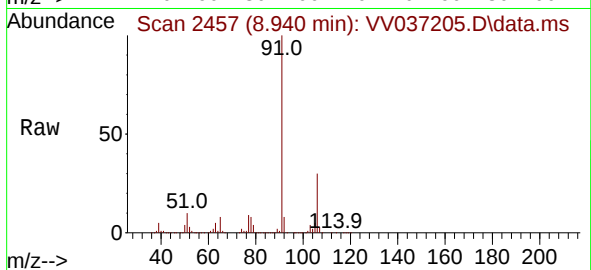
ClientSampleId :

Tgt Ion: 91 Resp: 860768

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



#53

m,p-Xylene

Concen: 24.896 ug/L

RT: 9.066 min Scan# 2496

Delta R.T. 0.000 min

Lab File: VV037205.D

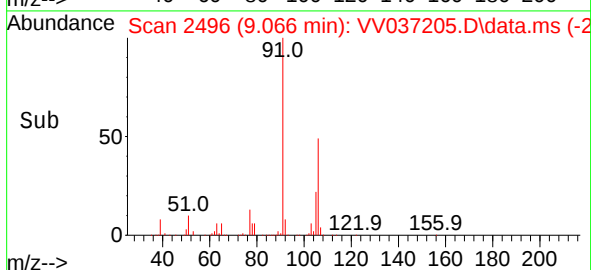
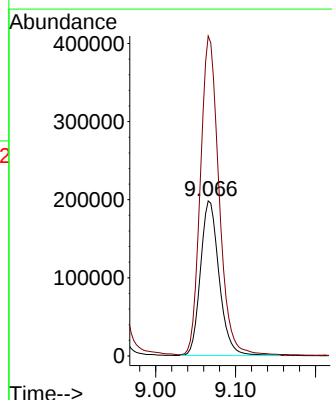
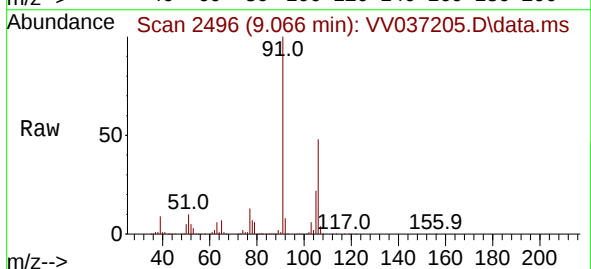
Acq: 05 Sep 2024 08:43

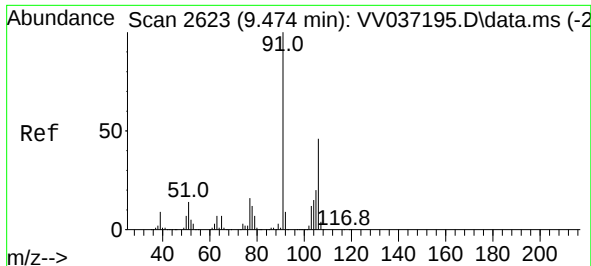
Tgt Ion:106 Resp: 320219

Ion Ratio Lower Upper

106 100

91 206.4 141.6 263.0

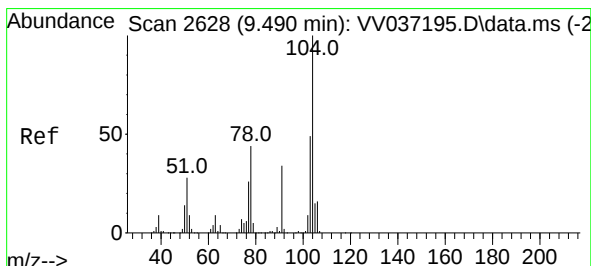
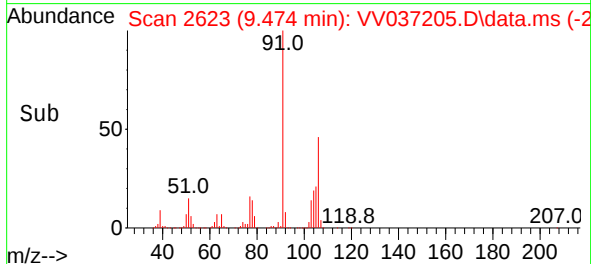
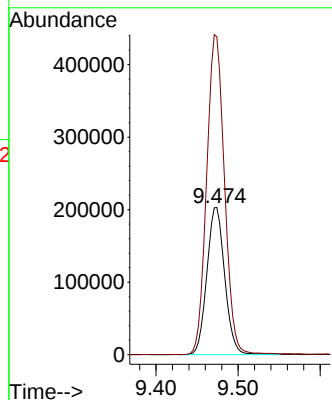
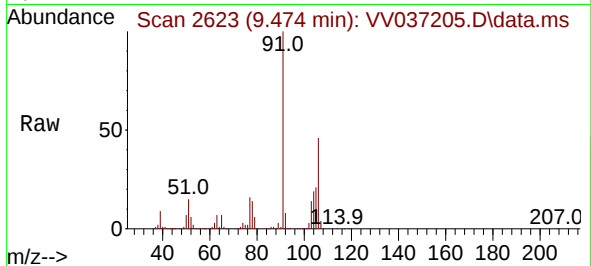




#54
o-Xylene
Concen: 24.751 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

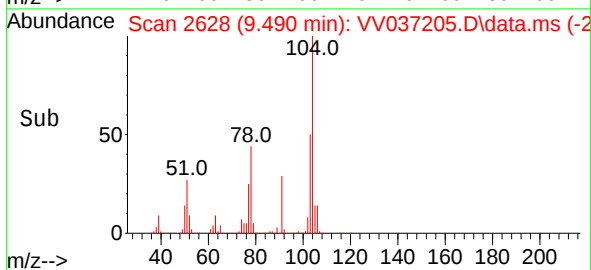
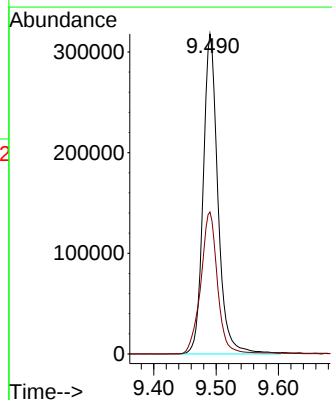
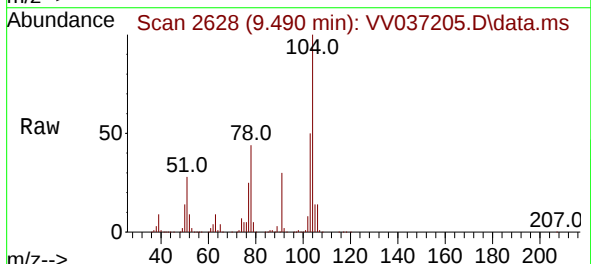
Instrument :
MSVOA_V
ClientSampleId :

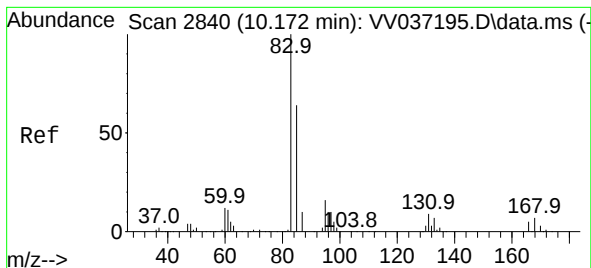
Tgt Ion:106 Resp: 306681
Ion Ratio Lower Upper
106 100
91 216.0 150.4 279.4



#55
Styrene
Concen: 24.931 ug/L
RT: 9.490 min Scan# 2628
Delta R.T. 0.000 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion:104 Resp: 523840
Ion Ratio Lower Upper
104 100
78 44.3 30.6 56.8

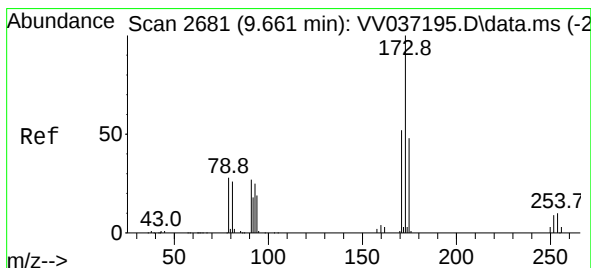
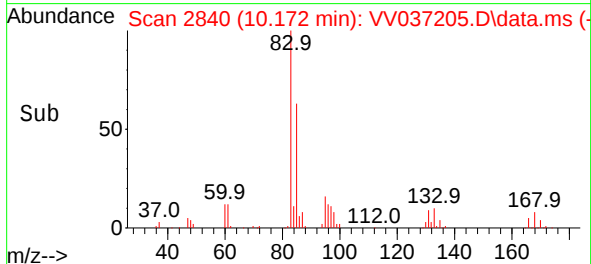
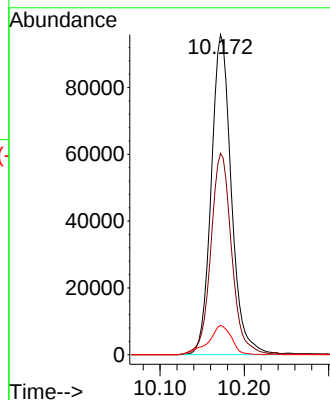
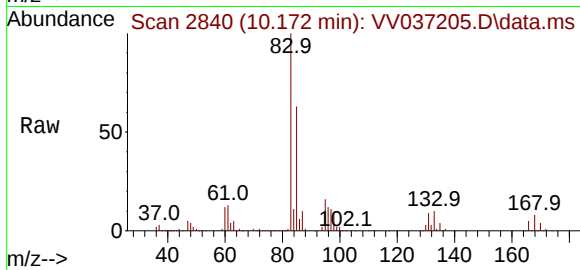




#57
1,1,2,2-Tetrachloroethane
Concen: 23.221 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. 0.000 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

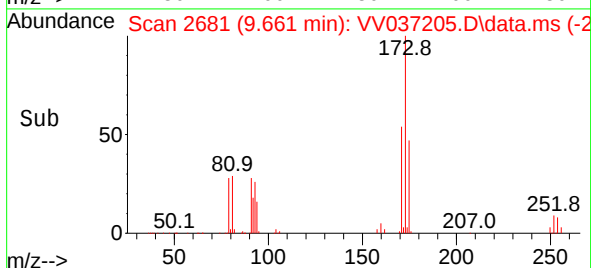
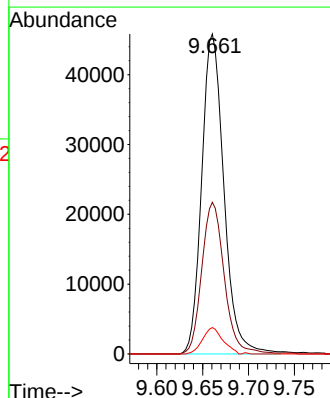
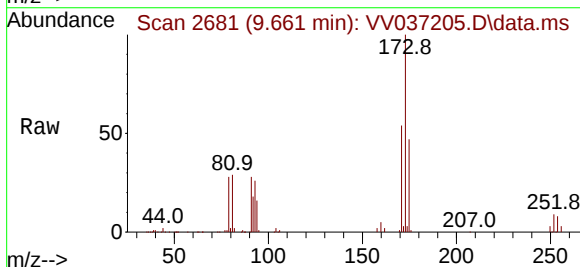
Instrument :
MSVOA_V
ClientSampleId :

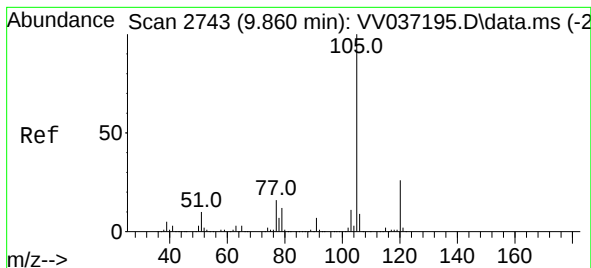
Tgt Ion: 83 Resp: 159083
Ion Ratio Lower Upper
83 100
85 62.9 44.9 83.3
131 9.1 7.1 10.7



#59
Bromoform
Concen: 23.032 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.003 min
Lab File: VV037205.D
Acq: 05 Sep 2024 08:43

Tgt Ion: 173 Resp: 77238
Ion Ratio Lower Upper
173 100
175 47.9 38.6 57.8
254 7.5 6.6 9.8





#60

Isopropylbenzene

Concen: 24.611 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

ClientSampleId :

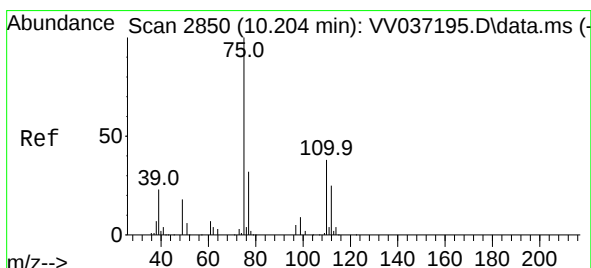
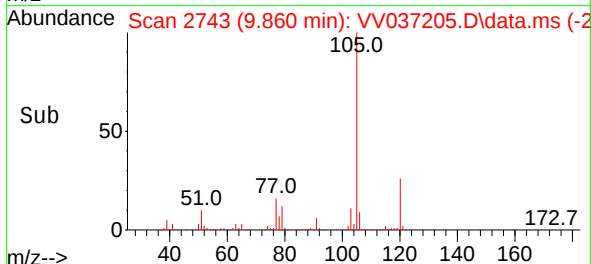
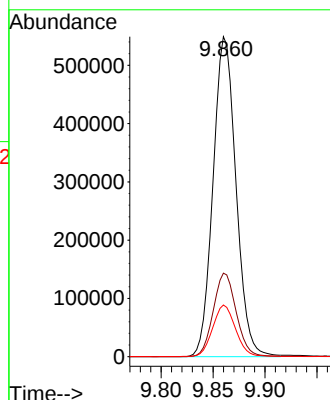
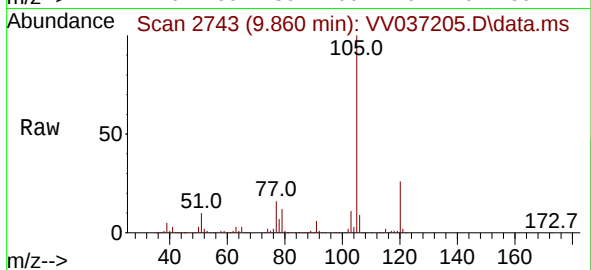
Tgt Ion:105 Resp: 844161

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 16.1 12.4 18.6



#61

1,2,3-Trichloropropane

Concen: 22.920 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

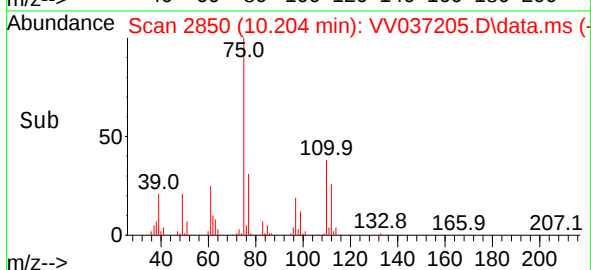
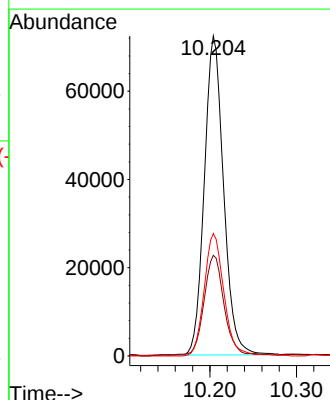
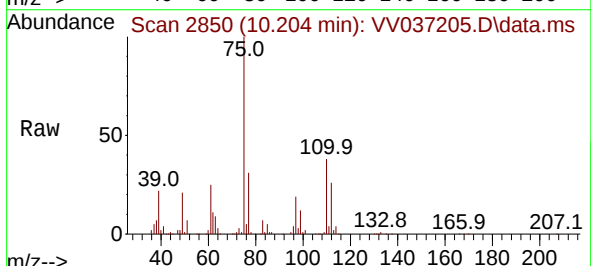
Tgt Ion: 75 Resp: 111552

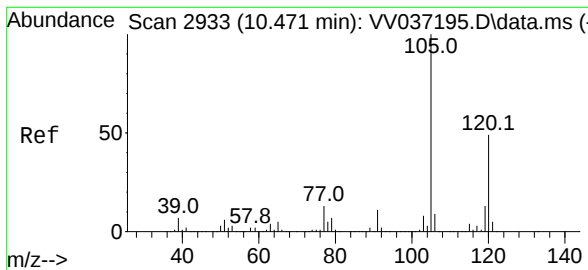
Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8

110 39.2 30.8 46.2

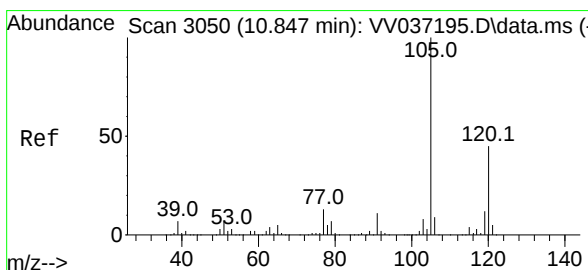
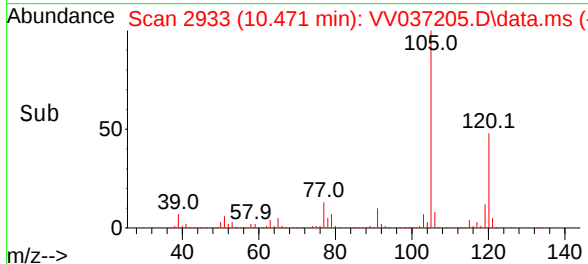
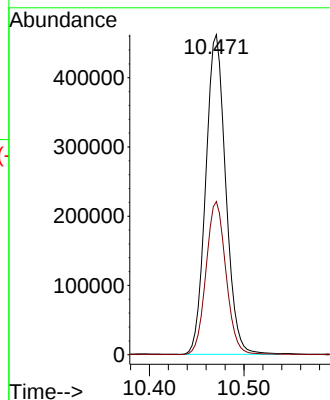
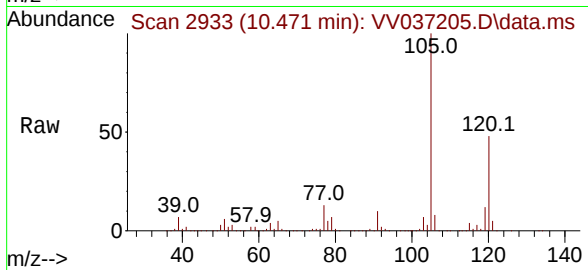




#62
 1,3,5-Trimethylbenzene
 Concen: 24.908 ug/L
 RT: 10.471 min Scan# 2933
 Delta R.T. 0.000 min
 Lab File: VV037205.D
 Acq: 05 Sep 2024 08:43

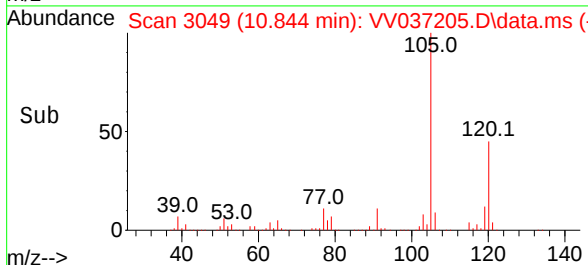
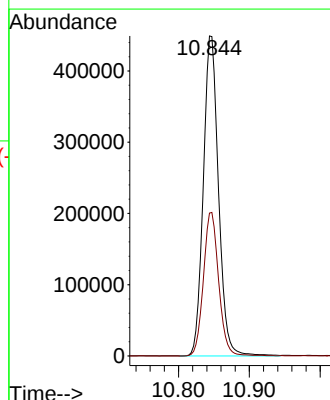
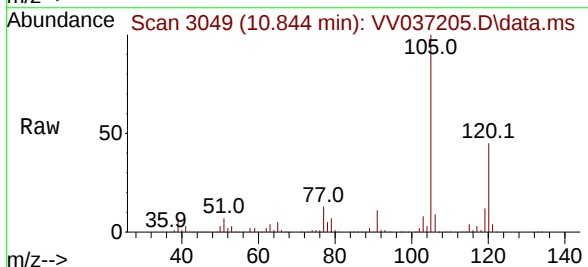
Instrument :
 MSVOA_V
 ClientSampleId :

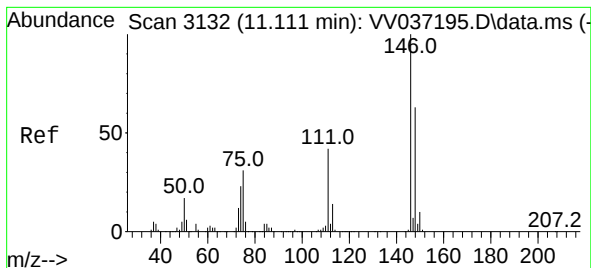
Tgt Ion:105 Resp: 678503
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 24.761 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. 0.000 min
 Lab File: VV037205.D
 Acq: 05 Sep 2024 08:43

Tgt Ion:105 Resp: 668952
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 23.761 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

ClientSampleId :

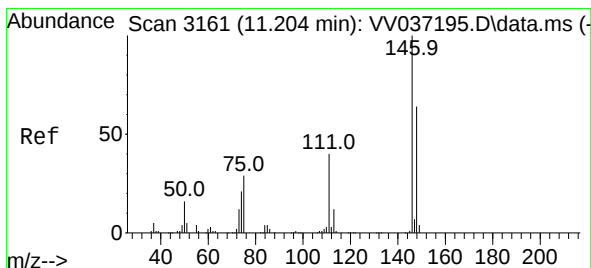
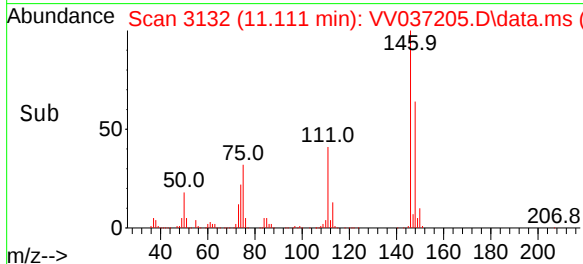
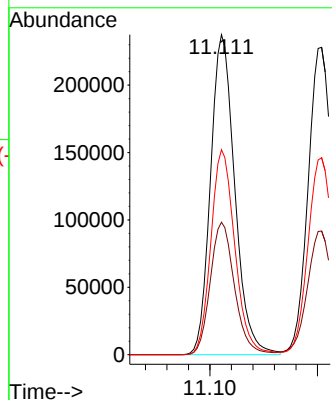
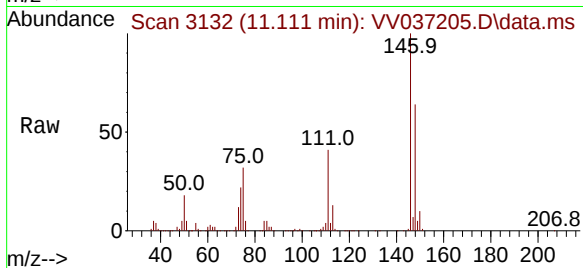
Tgt Ion:146 Resp: 371601

Ion Ratio Lower Upper

146 100

111 41.4 29.7 55.1

148 64.0 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 23.350 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

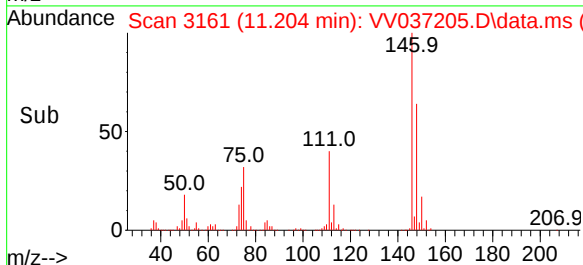
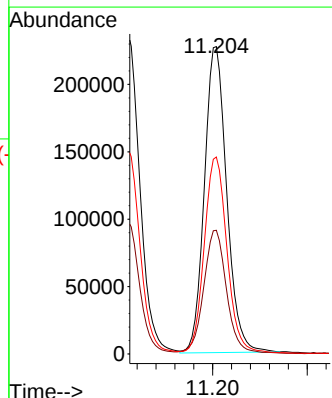
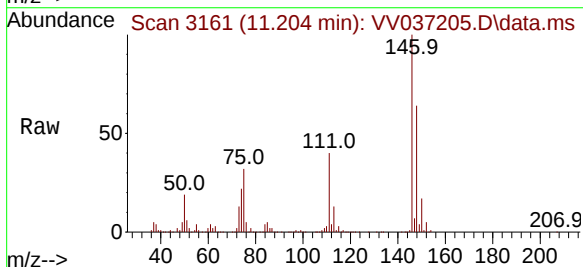
Tgt Ion:146 Resp: 372298

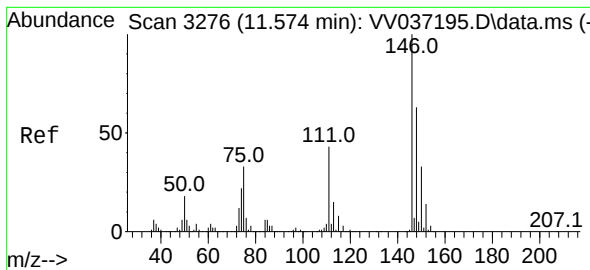
Ion Ratio Lower Upper

146 100

111 40.2 27.6 51.4

148 64.1 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 23.290 ug/L

RT: 11.570 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

ClientSampleId :

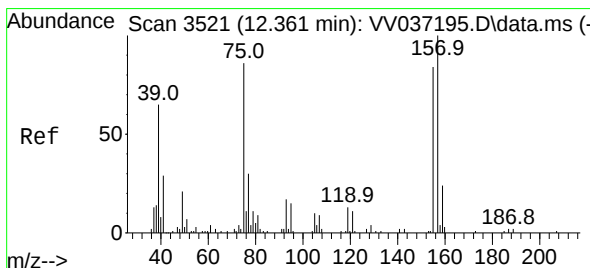
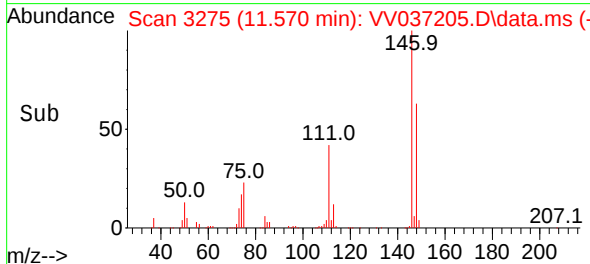
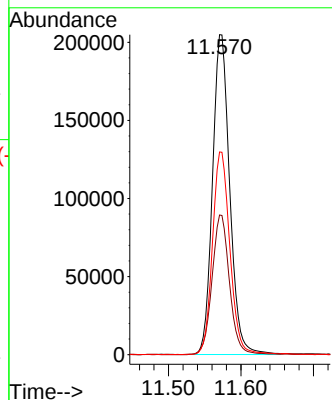
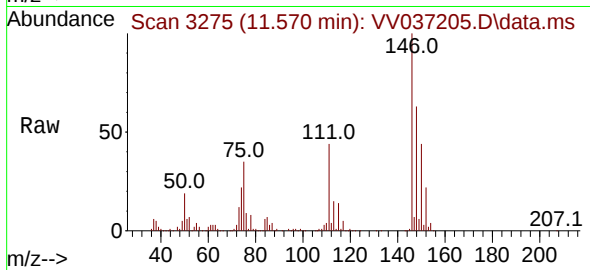
Tgt Ion:146 Resp: 337840

Ion Ratio Lower Upper

146 100

111 43.7 34.1 51.1

148 63.3 51.8 77.6



#68

1,2-Dibromo-3-chloropropane

Concen: 20.721 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.003 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

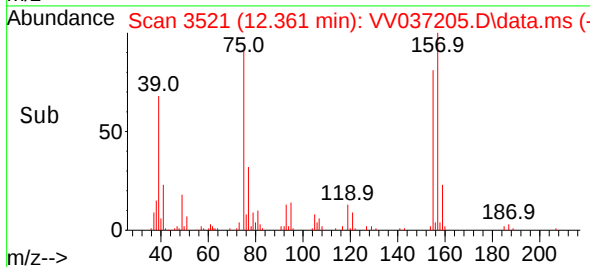
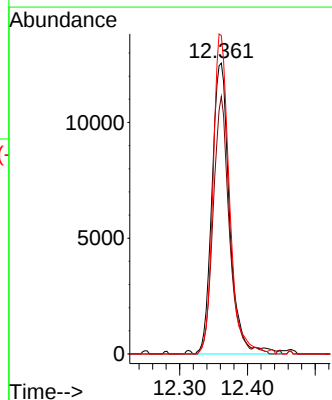
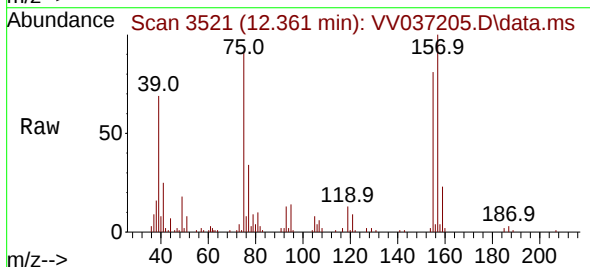
Tgt Ion: 75 Resp: 22762

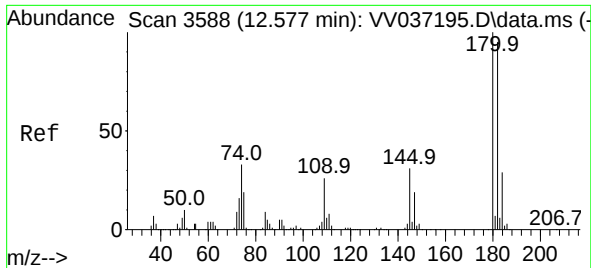
Ion Ratio Lower Upper

75 100

155 88.5 65.6 98.4

157 109.5 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 23.709 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

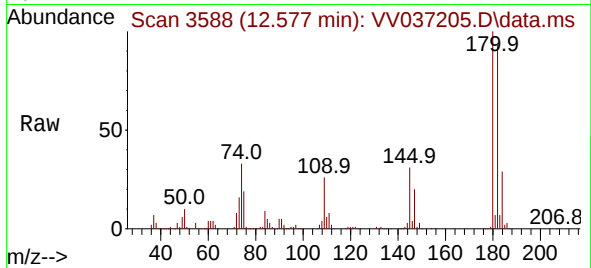
Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 263077

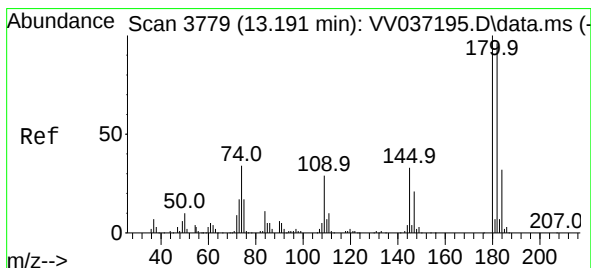
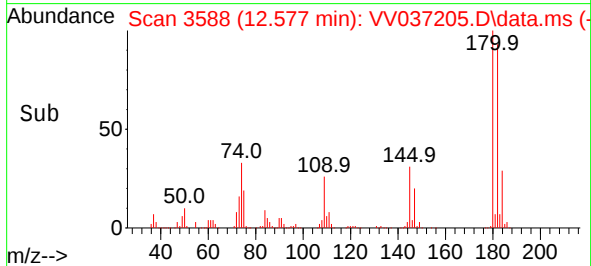
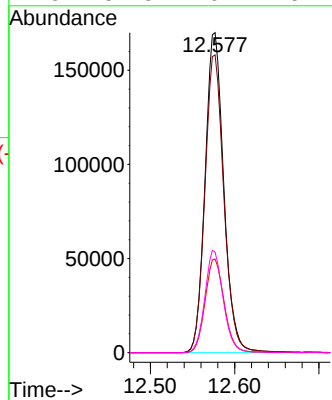
Ion Ratio Lower Upper

180 100

182 94.3 74.6 111.8

184 29.7 23.8 35.8

145 31.3 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 22.455 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

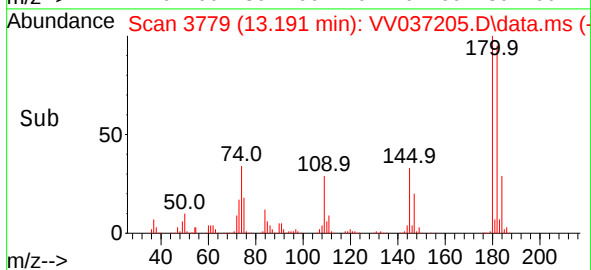
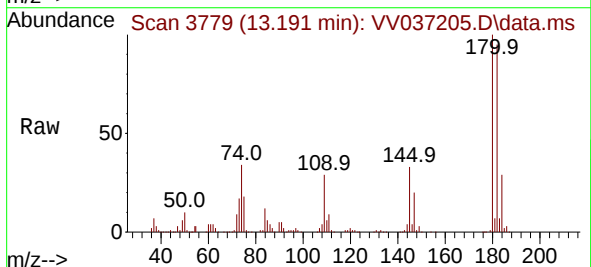
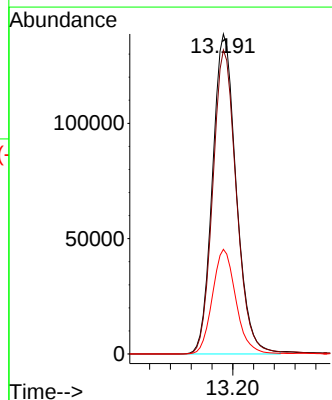
Tgt Ion:180 Resp: 219966

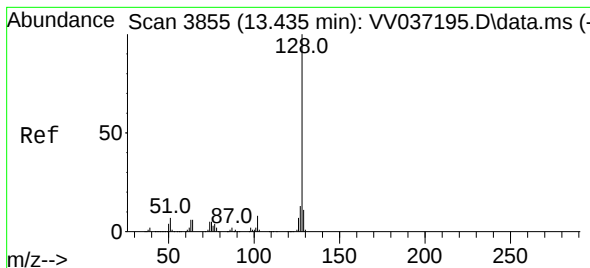
Ion Ratio Lower Upper

180 100

182 94.6 74.9 112.3

145 32.3 25.4 38.0





#71

Naphthalene

Concen: 20.134 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Instrument :

MSVOA_V

ClientSampleId :

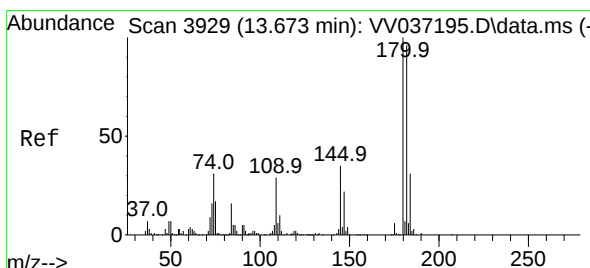
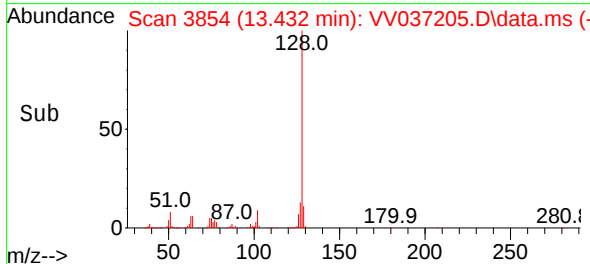
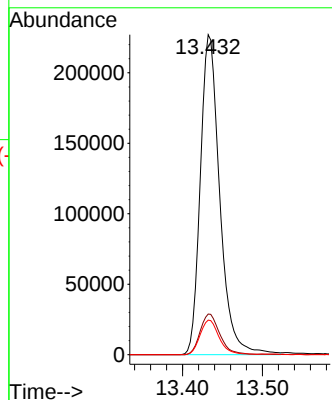
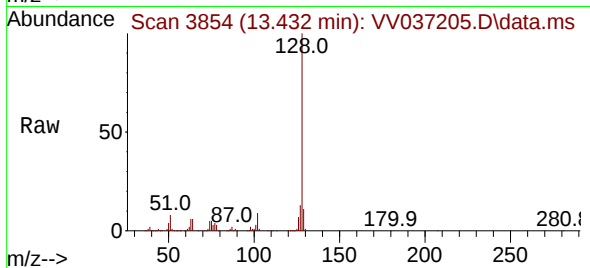
Tgt Ion:128 Resp: 384763

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

129 10.6 8.2 12.2



#72

1,2,3-Trichlorobenzene

Concen: 22.233 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV037205.D

Acq: 05 Sep 2024 08:43

Tgt Ion:180 Resp: 200002

Ion Ratio Lower Upper

180 100

182 95.4 78.0 117.0

145 34.2 27.9 41.9

