

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082624\
 Data File : VV037033.D
 Acq On : 26 Aug 2024 17:23
 Operator : SY/MD
 Sample : P3697-03MSD
 Misc : 5.00mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 27 02:02:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 27 01:58:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	674794	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	663059	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	332191	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	257900	41.780	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.560%
7) Chloroethane-d5	1.529	69	211527	44.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.680%
11) 1,1-Dichloroethene-d2	2.056	65	116146	44.768	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.540%
21) 2-Butanone-d5	3.796	46	300454	125.692	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.690%
24) Chloroform-d	4.243	84	475117	49.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.360%
26) 1,2-Dichloroethane-d4	4.937	65	302814	49.773	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.540%
32) Benzene-d6	4.953	84	958483	47.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.720%
36) 1,2-Dichloropropane-d6	5.986	67	310218	49.455	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.920%
41) Toluene-d8	7.236	98	872437	48.269	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.540%
43) trans-1,3-Dichloroprop...	7.548	79	143258	49.365	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.720%
47) 2-Hexanone-d5	8.024	63	248079	144.911	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	144.910%#
56) 1,1,2,2-Tetrachloroeth...	10.146	84	408127	53.647	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.300%
66) 1,2-Dichlorobenzene-d4	11.555	152	325049	48.857	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	303756	53.269	ug/L	99
3) Chloromethane	1.217	50	332414	51.835	ug/L	99
5) Vinyl chloride	1.282	62	324984	53.982	ug/L	100
6) Bromomethane	1.484	94	182876	54.212	ug/L	100
8) Chloroethane	1.545	64	198365	53.869	ug/L	100
9) Trichlorofluoromethane	1.712	101	424977	54.093	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	250113	53.525	ug/L	99
12) 1,1-Dichloroethene	2.066	96	233558	53.052	ug/L	94
13) Acetone	2.111	43	398919	155.606	ug/L	99
14) Carbon disulfide	2.237	76	695671	52.052	ug/L	100
15) Methyl Acetate	2.372	43	276231	64.270	ug/L	99
16) Methylene chloride	2.442	84	287888	57.959	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	246695	53.978	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	824606	57.357	ug/L	100
19) 1,1-Dichloroethane	3.105	63	490882	54.085	ug/L	99
20) cis-1,2-Dichloroethene	3.806	96	274415	54.338	ug/L	99
22) 2-Butanone	3.876	43	320186	113.436	ug/L	98
23) Bromochloromethane	4.140	128	134185	54.128	ug/L	95
25) Chloroform	4.272	83	488875	53.186	ug/L	100

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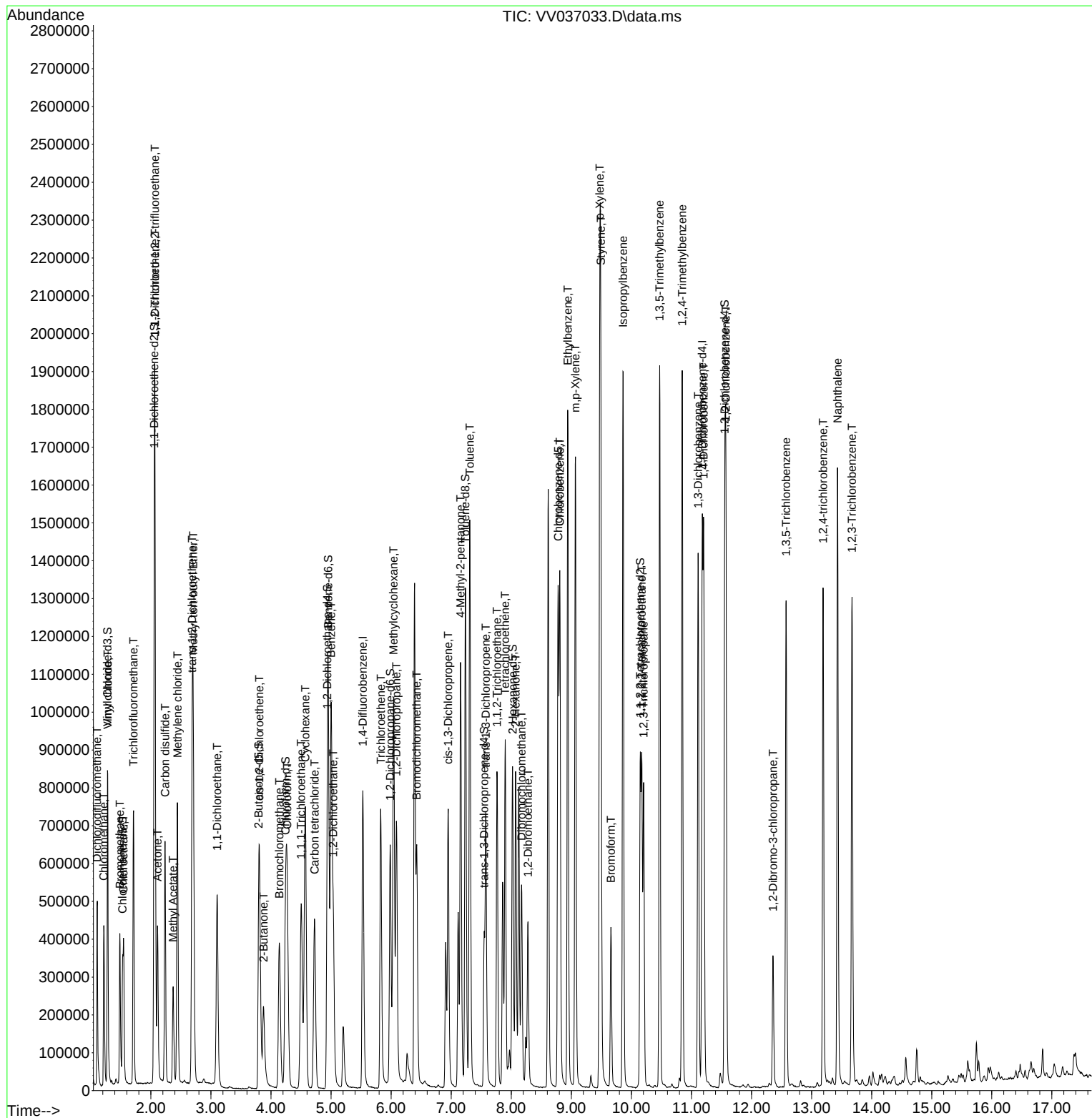
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	368143	54.599	ug/L	100
29) Cyclohexane	4.571	56	422178	54.152	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	407872	53.461	ug/L	99
31) Carbon tetrachloride	4.725	117	340490	52.890	ug/L	99
33) Benzene	5.002	78	1028075	53.726	ug/L	100
34) Trichloroethene	5.828	95	262819	52.037	ug/L	98
35) Methylcyclohexane	6.040	83	436714	53.219	ug/L	98
37) 1,2-Dichloropropane	6.088	63	272124	53.046	ug/L	100
38) Bromodichloromethane	6.426	83	359156	54.624	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	441555	54.543	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	721719	138.382	ug/L	99
42) Toluene	7.310	91	1077505	54.082	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	395092	54.600	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	262050	54.874	ug/L	98
46) Tetrachloroethene	7.899	164	192063	53.000	ug/L	97
48) 2-Hexanone	8.072	43	498200	123.516	ug/L	99
49) Dibromochloromethane	8.172	129	262637	54.925	ug/L	97
50) 1,2-Dibromoethane	8.278	107	273056	56.506	ug/L	96
51) Chlorobenzene	8.809	112	701011	53.147	ug/L	100
52) Ethylbenzene	8.940	91	1225994	54.478	ug/L	98
53) m,p-Xylene	9.069	106	454344	54.490	ug/L	97
54) o-Xylene	9.474	106	449937	55.113	ug/L	97
55) Styrene	9.490	104	778624	54.965	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	416634	58.907	ug/L	100
59) Bromoform	9.661	173	179174	57.923	ug/L	98
60) Isopropylbenzene	9.863	105	1204170	55.915	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	308341	59.668	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	991767	56.288	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	993850	56.521	ug/L	100
64) 1,3-Dichlorobenzene	11.111	146	536009	53.901	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	551229	54.159	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	531954	54.403	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.358	75	85783	66.564	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	368191	53.211	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	357496	54.868	ug/L	100
71) Naphthalene	13.432	128	1250220	66.450	ug/L	100
72) 1,2,3-Trichlorobenzene	13.673	180	360885	56.204	ug/L	98

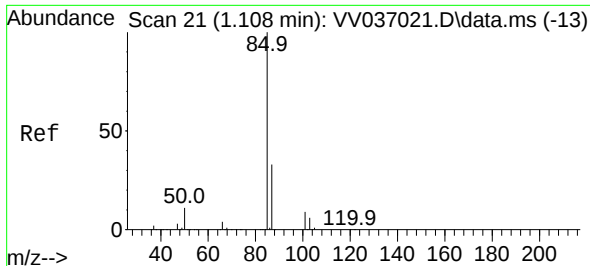
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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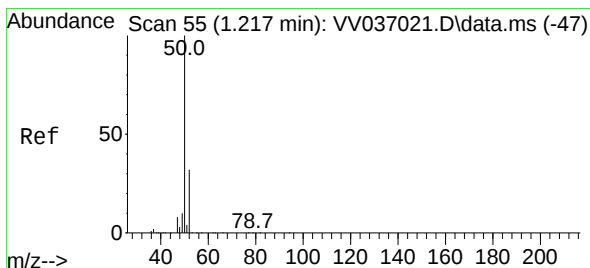
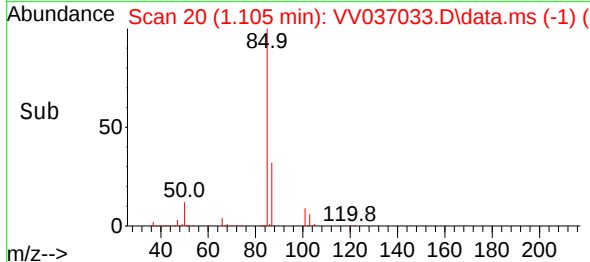
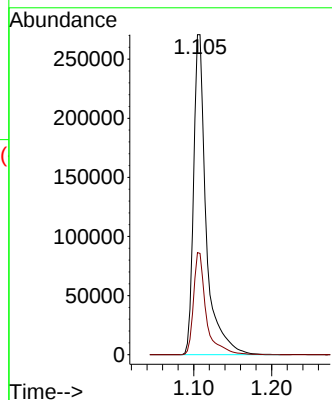
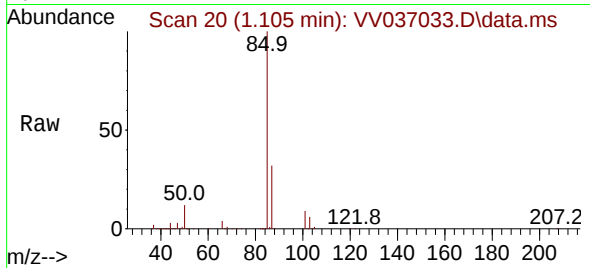




#2
Dichlorodifluoromethane
Concen: 53.269 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

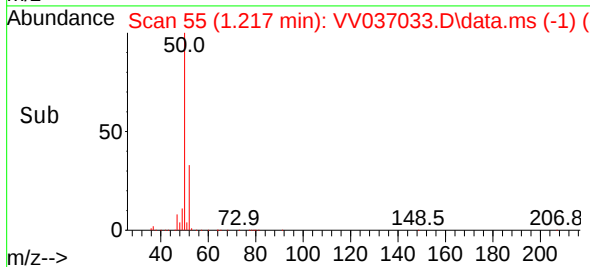
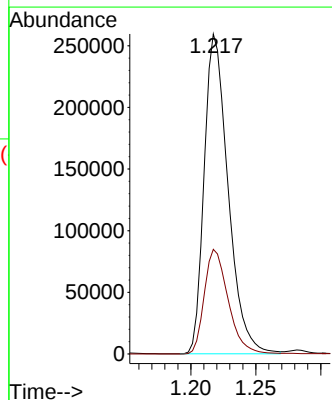
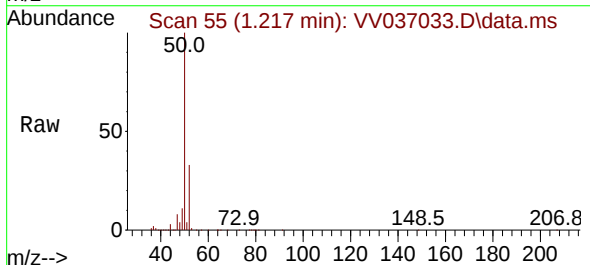
Instrument :
MSVOA_V
ClientSampleId :

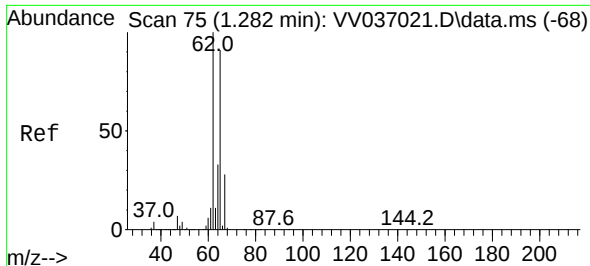
Tgt Ion: 85 Resp: 303756
Ion Ratio Lower Upper
85 100
87 32.1 25.9 38.9



#3
Chloromethane
Concen: 51.835 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

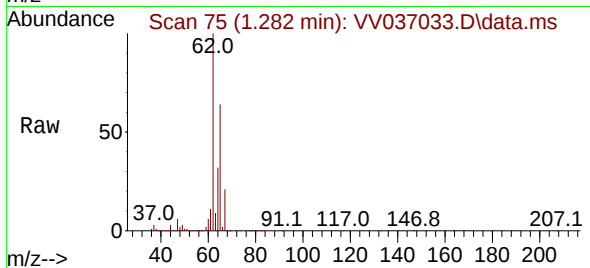
Tgt Ion: 50 Resp: 332414
Ion Ratio Lower Upper
50 100
52 32.7 22.5 41.9



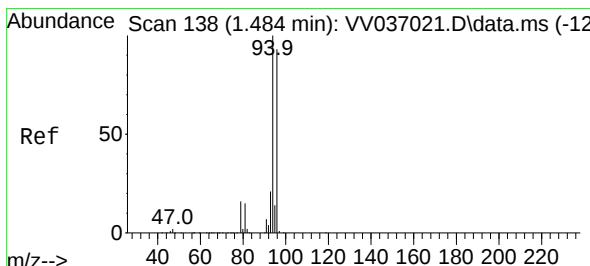
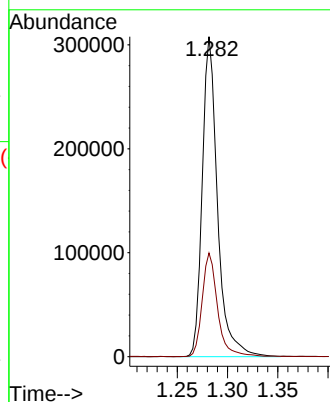
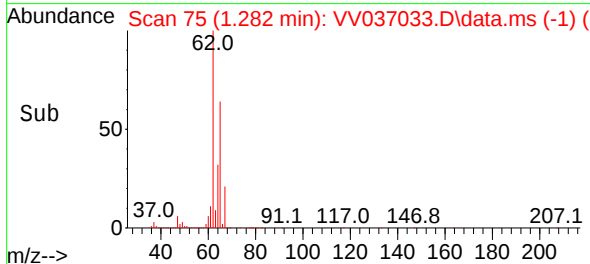


#5
 Vinyl chloride
 Concen: 53.982 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VV037033.D
 Acq: 26 Aug 2024 17:23

Instrument :
 MSVOA_V
 ClientSampleId :

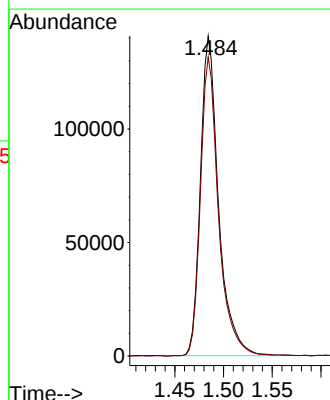
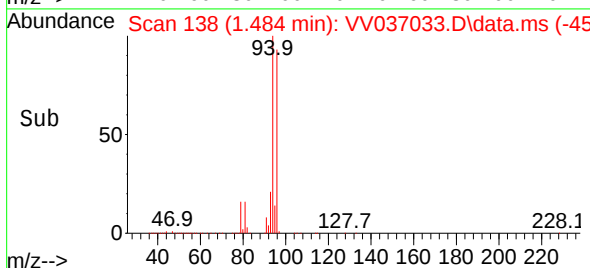
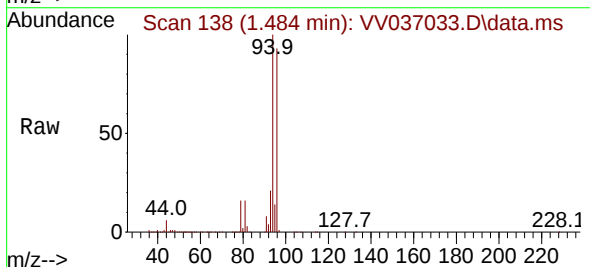


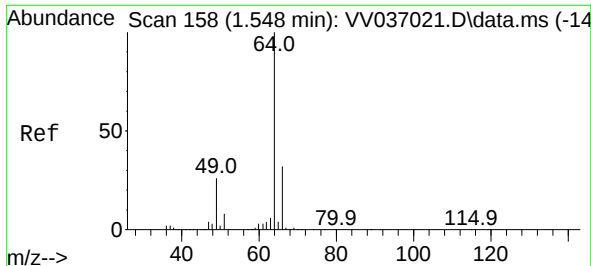
Tgt Ion: 62 Resp: 324984
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.8 42.4



#6
 Bromomethane
 Concen: 54.212 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.000 min
 Lab File: VV037033.D
 Acq: 26 Aug 2024 17:23

Tgt Ion: 94 Resp: 182876
 Ion Ratio Lower Upper
 94 100
 96 93.4 65.6 121.8

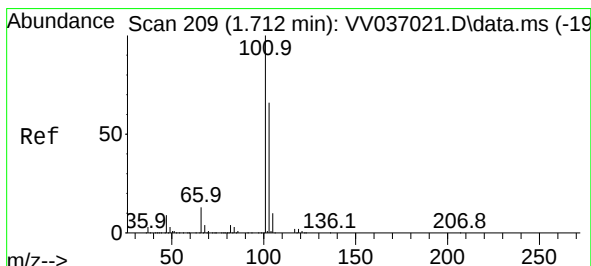
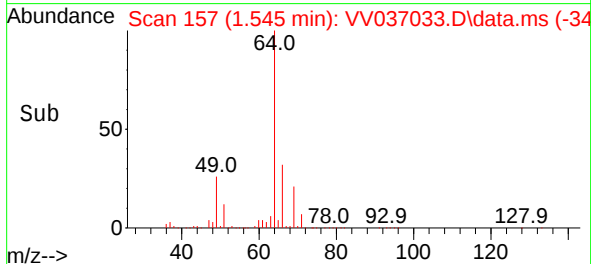
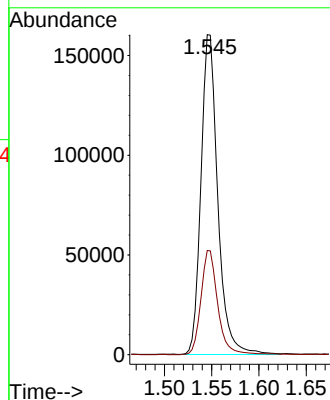
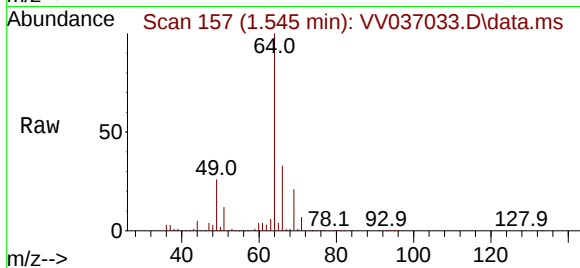




#8
Chloroethane
Concen: 53.869 ug/L
RT: 1.545 min Scan# 158
Delta R.T. -0.003 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

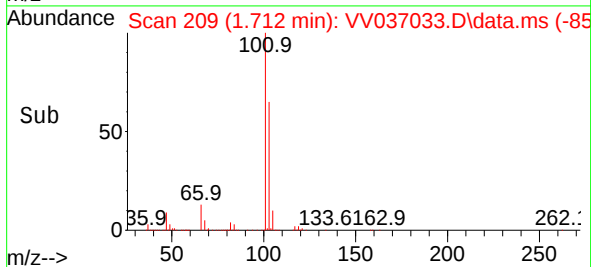
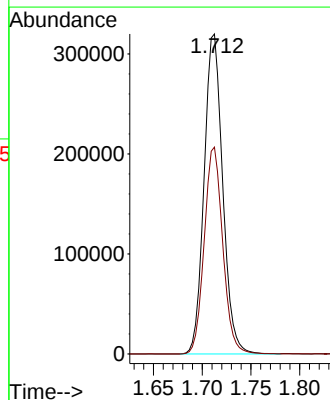
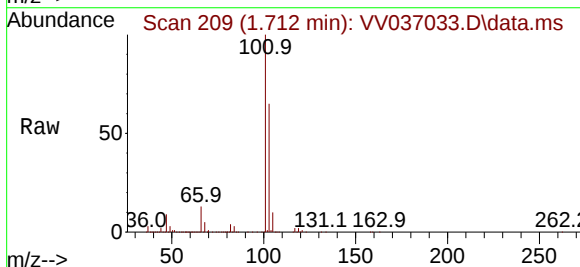
Instrument :
MSVOA_V
ClientSampleId :

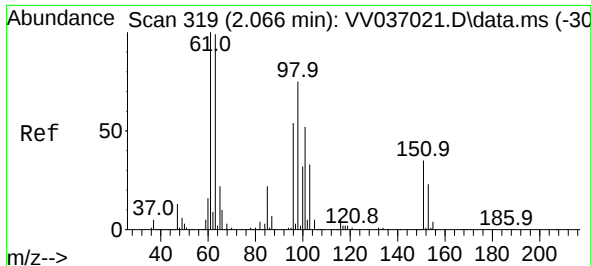
Tgt Ion: 64 Resp: 198365
Ion Ratio Lower Upper
64 100
66 32.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 54.093 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

Tgt Ion:101 Resp: 424977
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 53.525 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

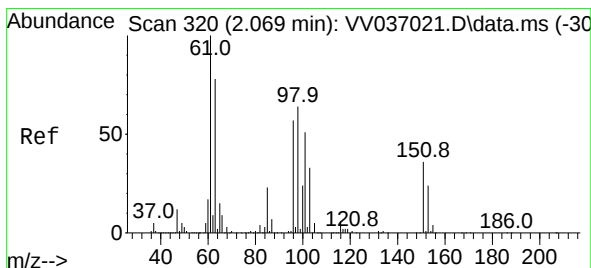
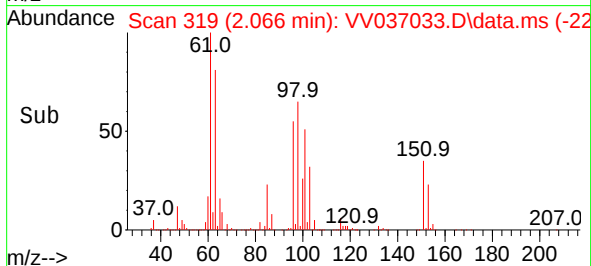
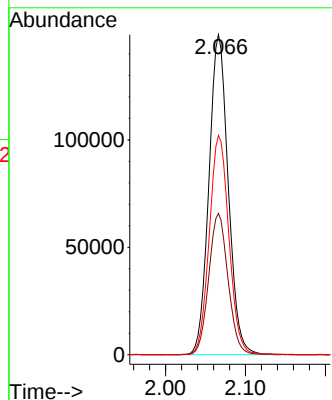
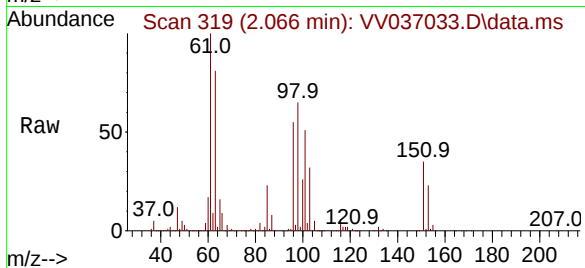
Tgt Ion:101 Resp: 250113

Ion Ratio Lower Upper

101 100

85 44.1 35.6 53.4

151 69.6 55.0 82.4



#12

1,1-Dichloroethene

Concen: 53.052 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

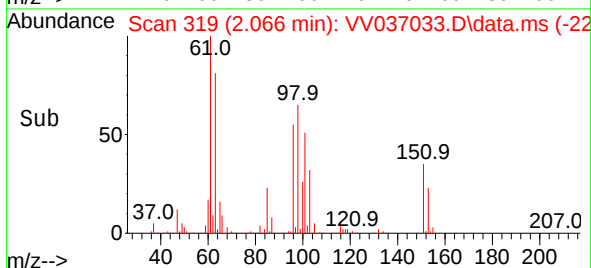
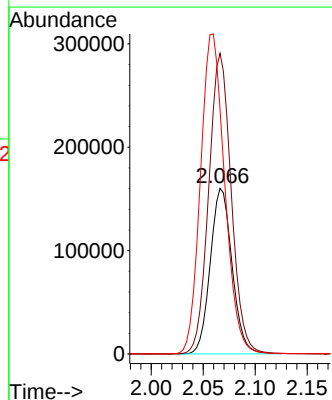
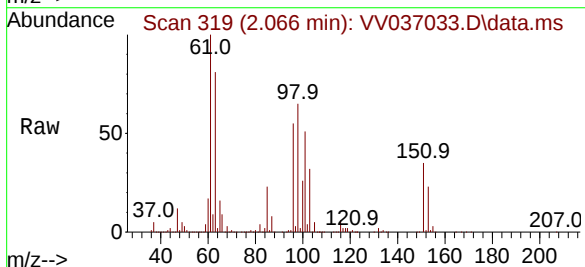
Tgt Ion: 96 Resp: 233558

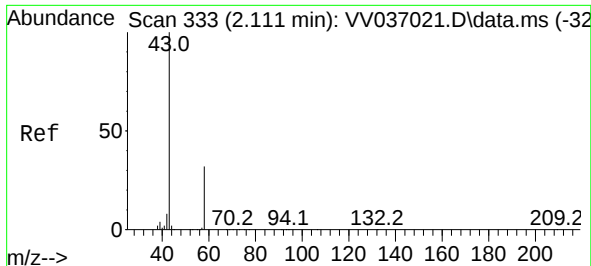
Ion Ratio Lower Upper

96 100

61 181.4 123.8 229.8

63 147.9 96.5 179.1





#13

Acetone

Concen: 155.606 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

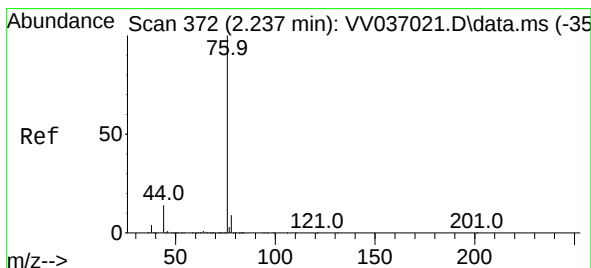
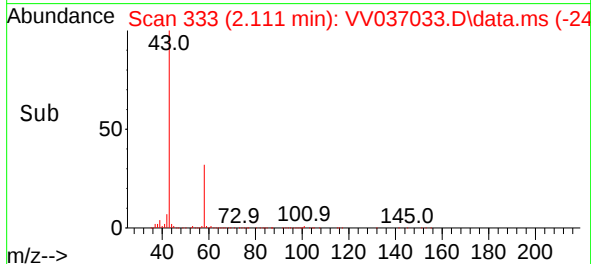
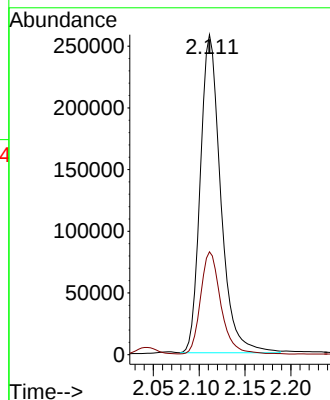
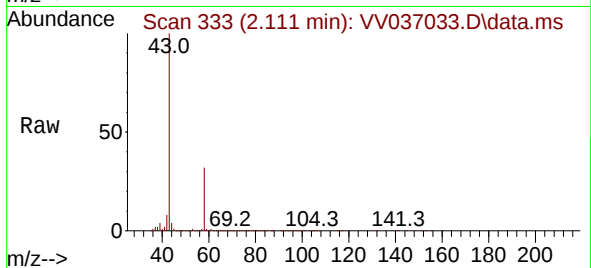
ClientSampleId :

Tgt Ion: 43 Resp: 398919

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.8



#14

Carbon disulfide

Concen: 52.052 ug/L

RT: 2.237 min Scan# 372

Delta R.T. -0.000 min

Lab File: VV037033.D

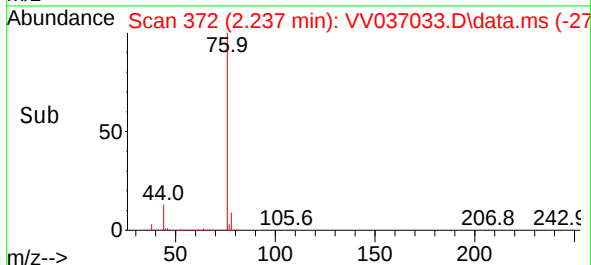
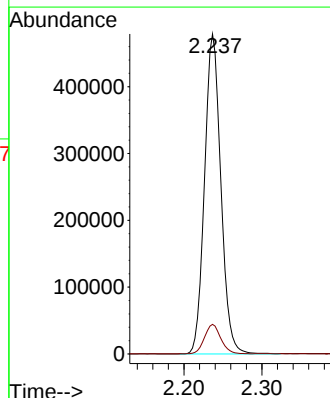
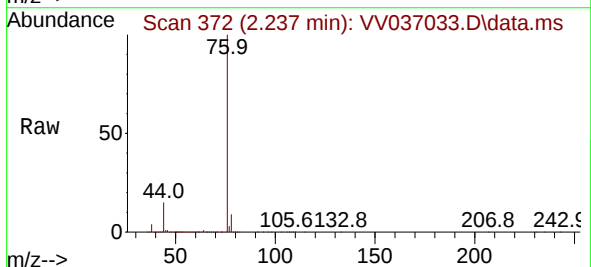
Acq: 26 Aug 2024 17:23

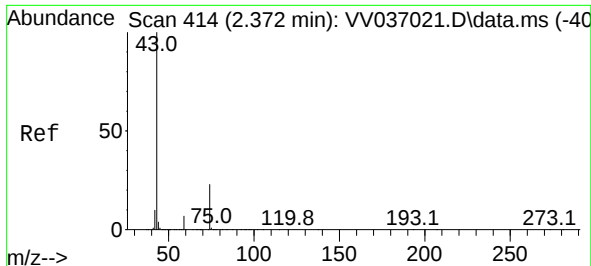
Tgt Ion: 76 Resp: 695671

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#15

Methyl Acetate

Concen: 64.270 ug/L

RT: 2.372 min Scan# 414

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

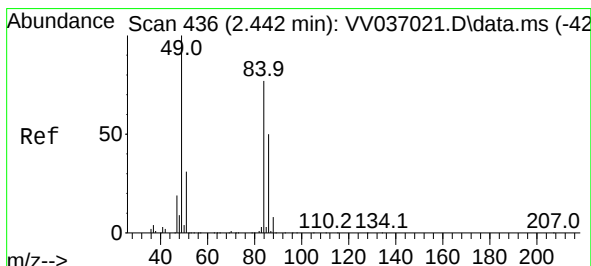
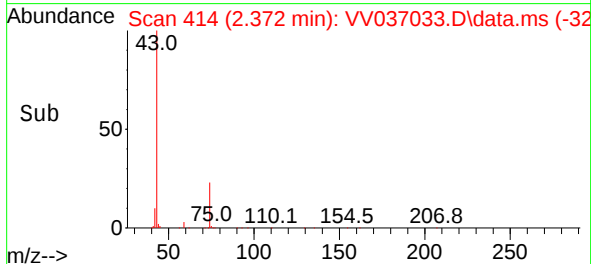
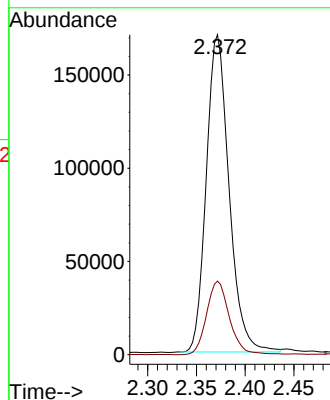
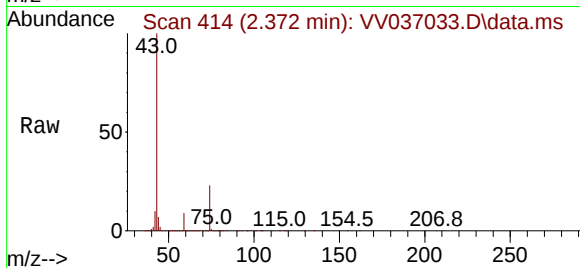
ClientSampleId :

Tgt Ion: 43 Resp: 276231

Ion Ratio Lower Upper

43 100

74 23.4 18.4 27.6



#16

Methylene chloride

Concen: 57.959 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

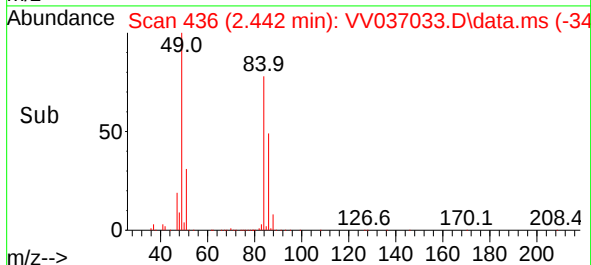
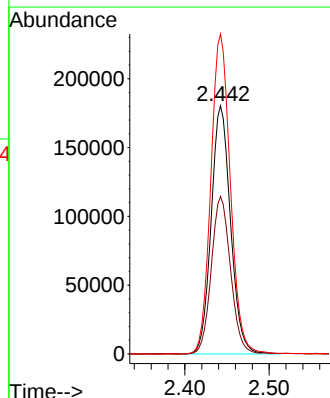
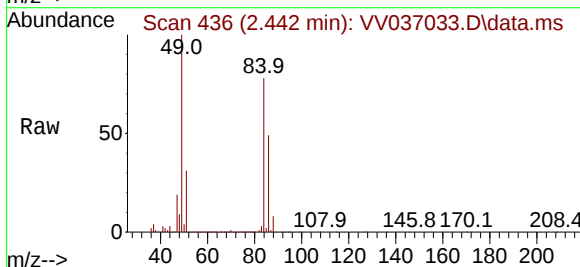
Tgt Ion: 84 Resp: 287888

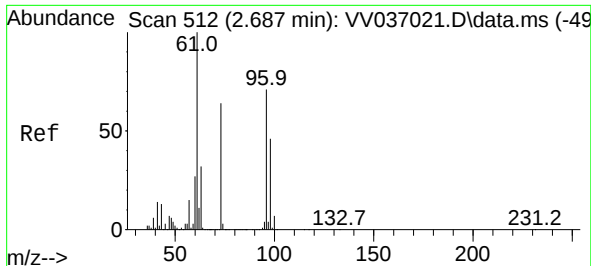
Ion Ratio Lower Upper

84 100

86 63.4 44.7 82.9

49 128.9 91.4 169.8





#17

trans-1,2-Dichloroethene

Concen: 53.978 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

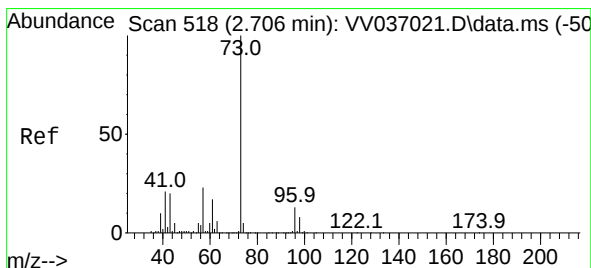
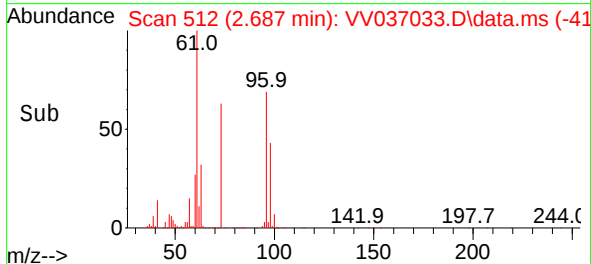
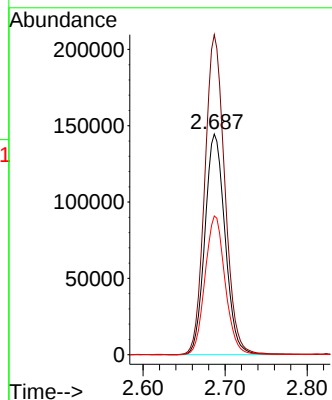
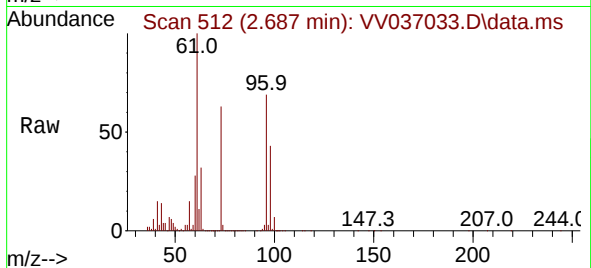
Tgt Ion: 96 Resp: 246695

Ion Ratio Lower Upper

96 100

61 145.0 102.3 189.9

98 62.9 44.8 83.2



#18

Methyl tert-butyl Ether

Concen: 57.357 ug/L

RT: 2.706 min Scan# 518

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

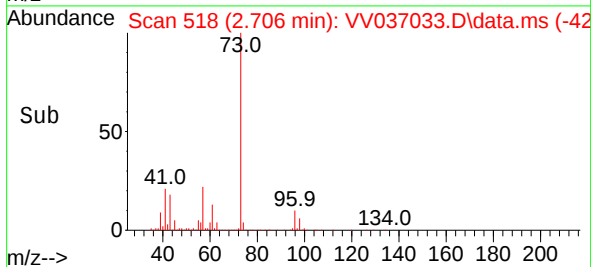
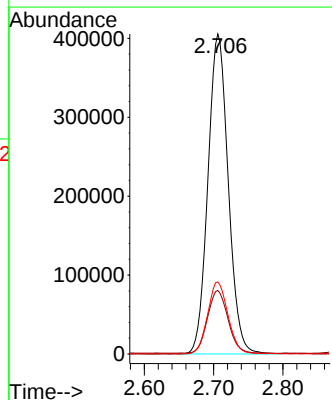
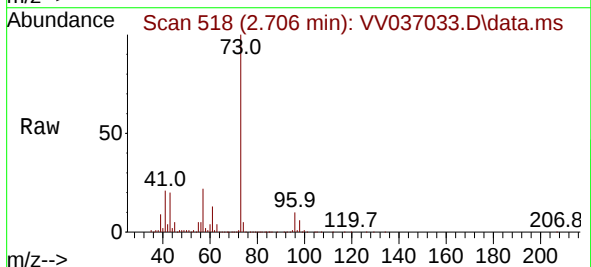
Tgt Ion: 73 Resp: 824606

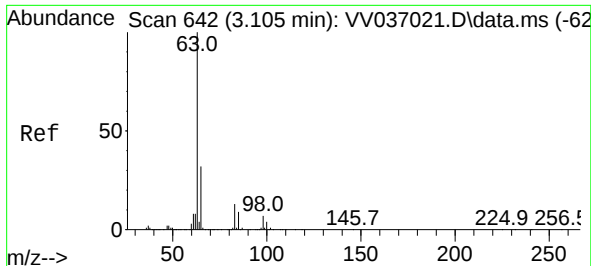
Ion Ratio Lower Upper

73 100

43 19.8 15.8 23.6

57 22.5 18.1 27.1

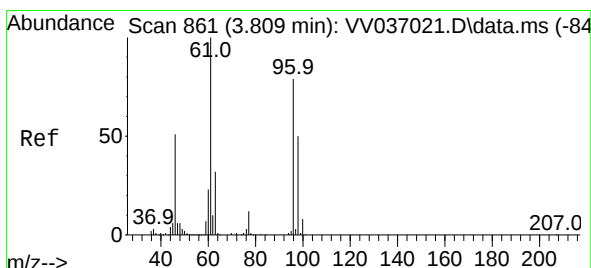
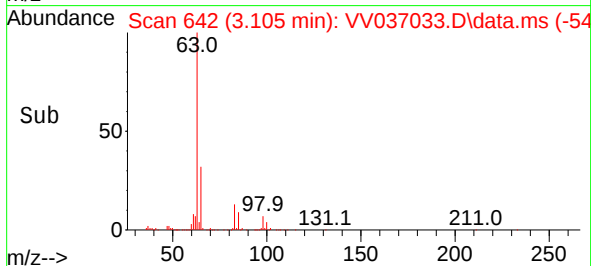
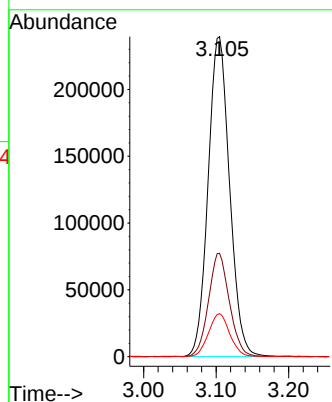
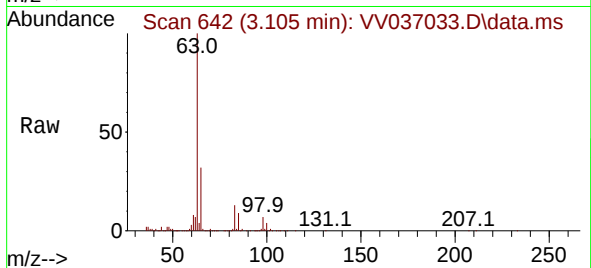




#19
1,1-Dichloroethane
Concen: 54.085 ug/L
RT: 3.105 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

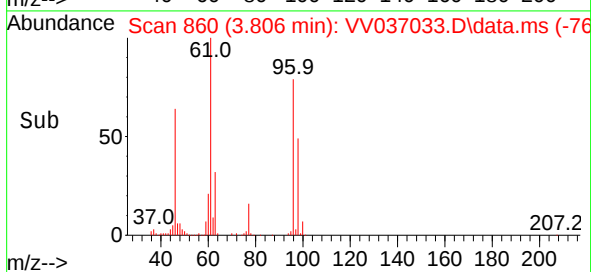
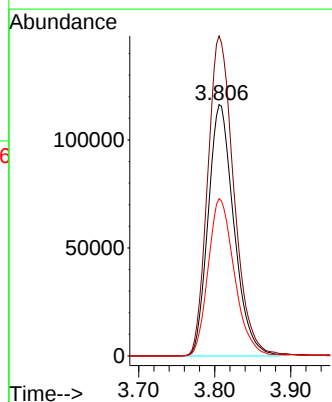
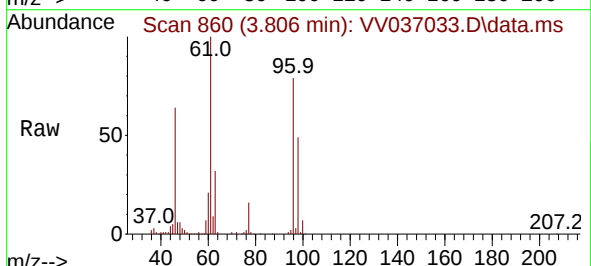
Instrument :
MSVOA_V
ClientSampleId :

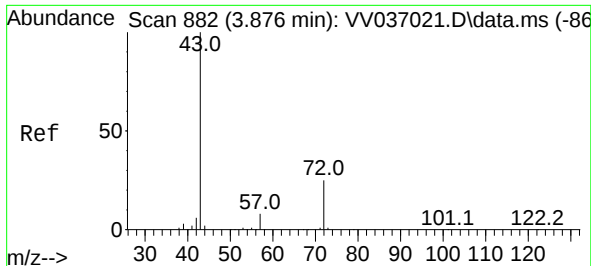
Tgt Ion: 63 Resp: 490882
Ion Ratio Lower Upper
63 100
65 32.3 22.0 41.0
83 13.4 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 54.338 ug/L
RT: 3.806 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

Tgt Ion: 96 Resp: 274415
Ion Ratio Lower Upper
96 100
61 127.3 89.9 166.9
98 62.6 44.8 83.2

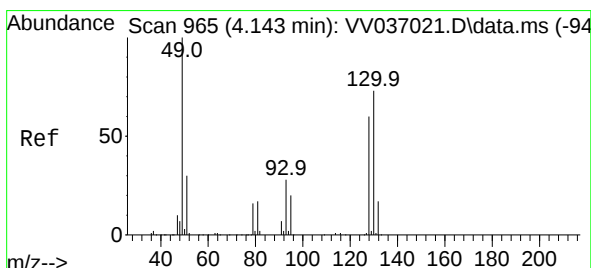
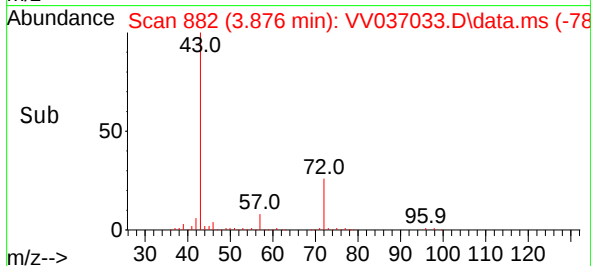
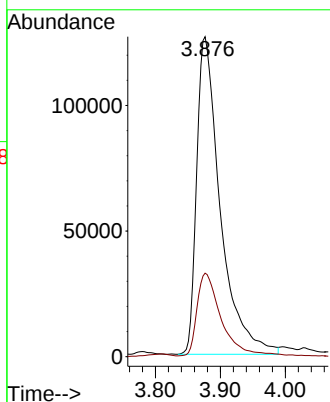
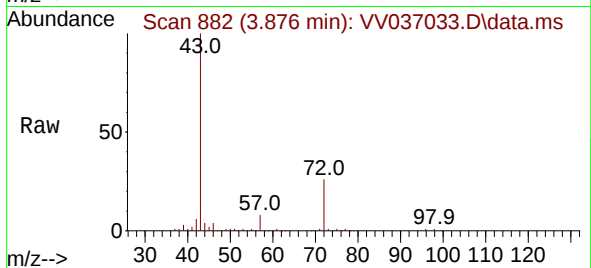




#22
2-Butanone
Concen: 113.436 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.000 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

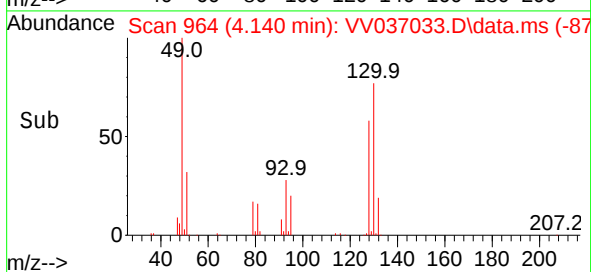
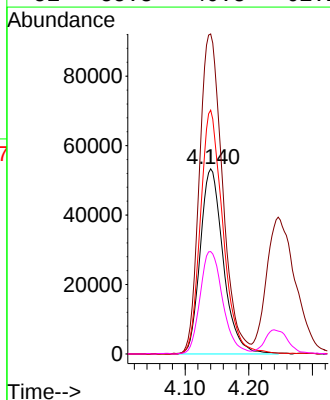
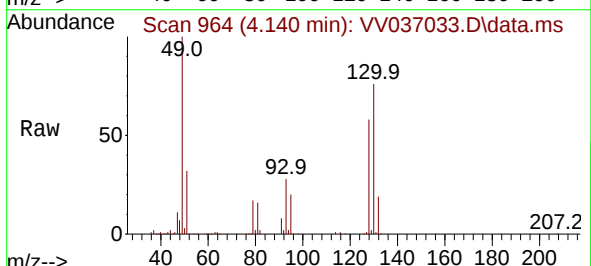
Instrument :
MSVOA_V
ClientSampleId :

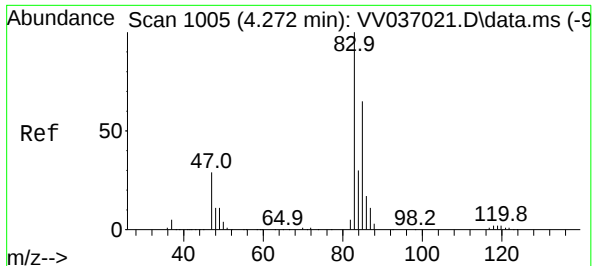
Tgt Ion: 43 Resp: 320186
Ion Ratio Lower Upper
43 100
72 26.1 12.7 38.0



#23
Bromochloromethane
Concen: 54.128 ug/L
RT: 4.140 min Scan# 964
Delta R.T. -0.003 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

Tgt Ion:128 Resp: 134185
Ion Ratio Lower Upper
128 100
49 172.9 117.2 217.6
130 131.7 87.6 162.8
51 55.3 40.8 61.2





#25

Chloroform

Concen: 53.186 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

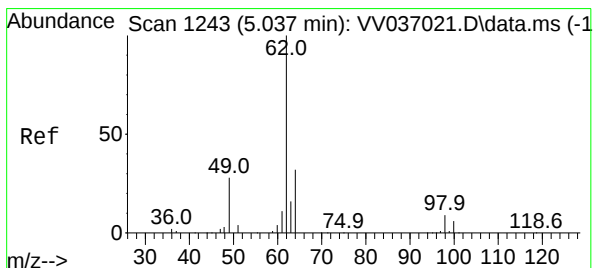
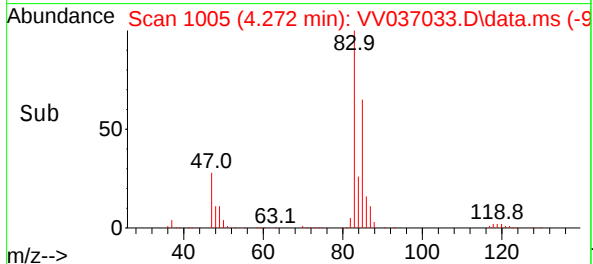
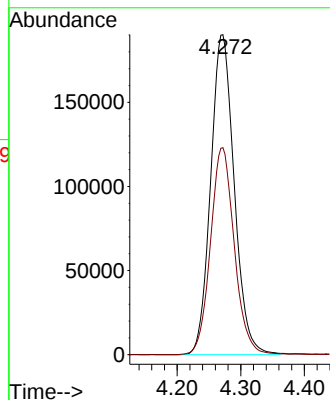
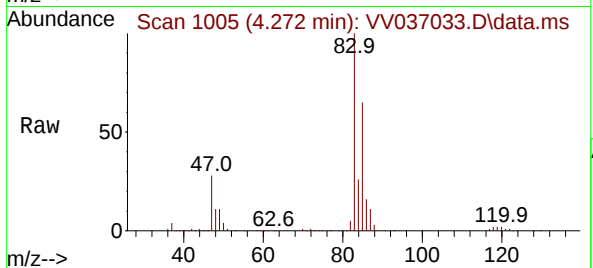
ClientSampleId :

Tgt Ion: 83 Resp: 488875

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7



#27

1,2-Dichloroethane

Concen: 54.599 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV037033.D

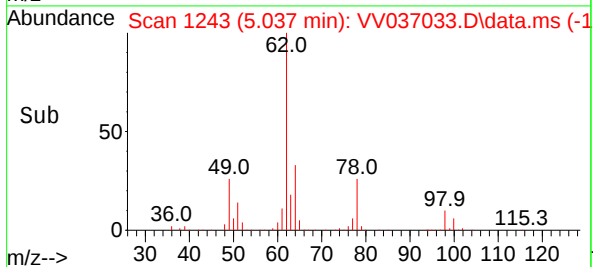
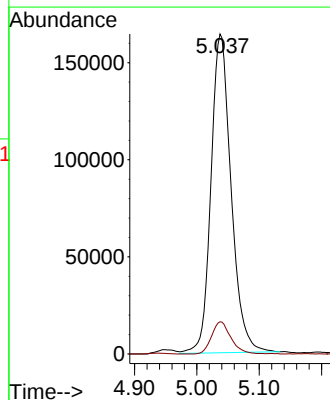
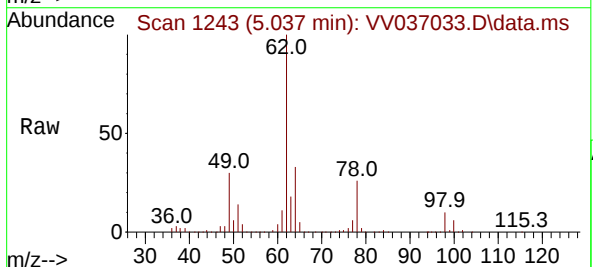
Acq: 26 Aug 2024 17:23

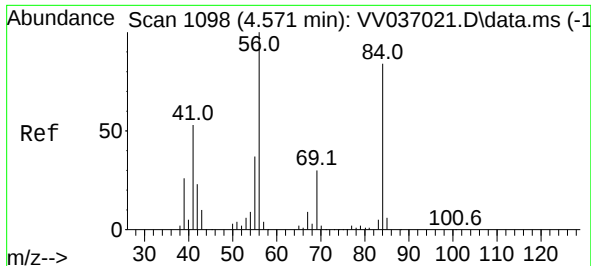
Tgt Ion: 62 Resp: 368143

Ion Ratio Lower Upper

62 100

98 10.1 8.0 12.0





#29

Cyclohexane

Concen: 54.152 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

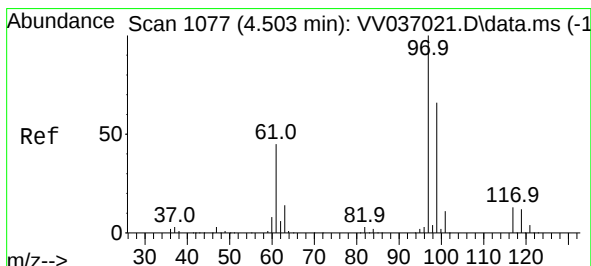
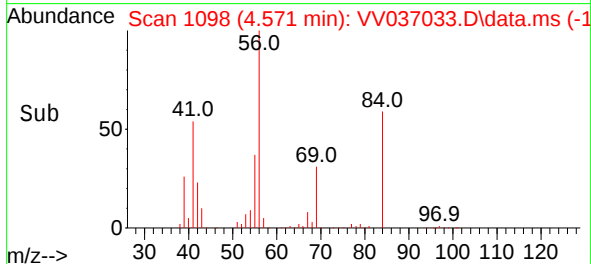
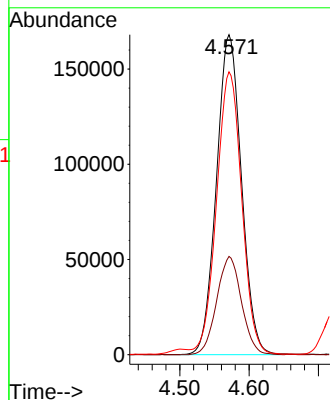
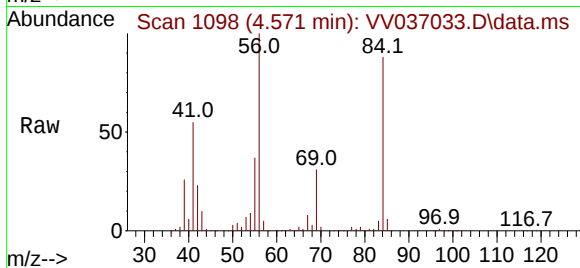
Tgt Ion: 56 Resp: 422178

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

84 88.5 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 53.461 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

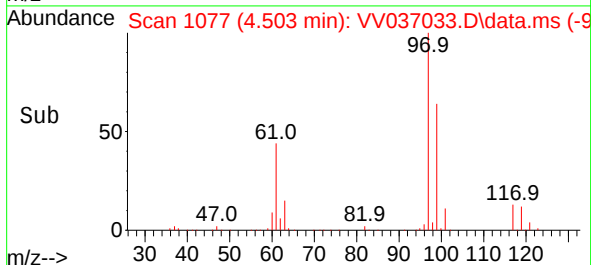
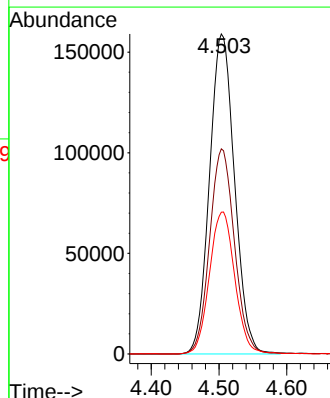
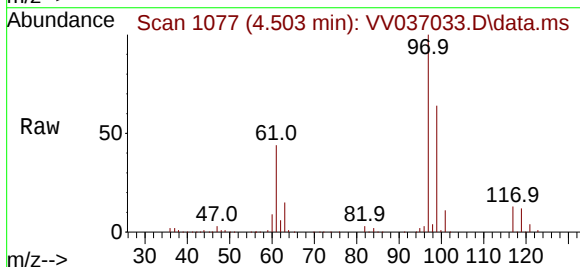
Tgt Ion: 97 Resp: 407872

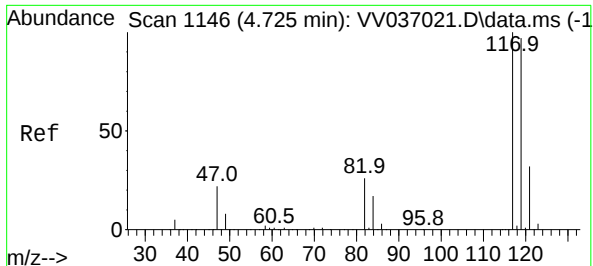
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 44.9 35.8 53.6

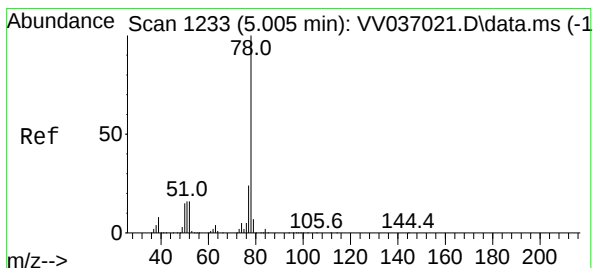
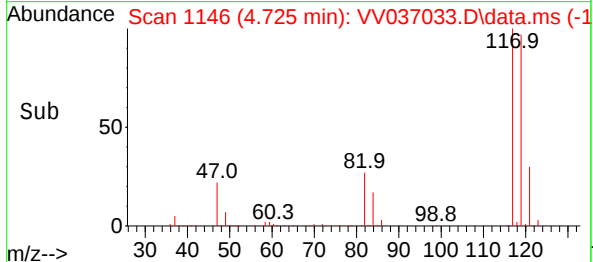
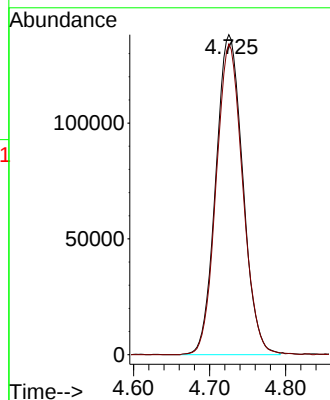
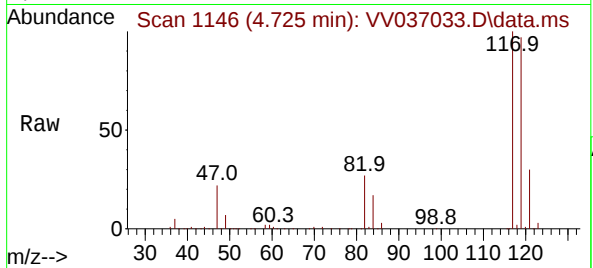




#31
Carbon tetrachloride
Concen: 52.890 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

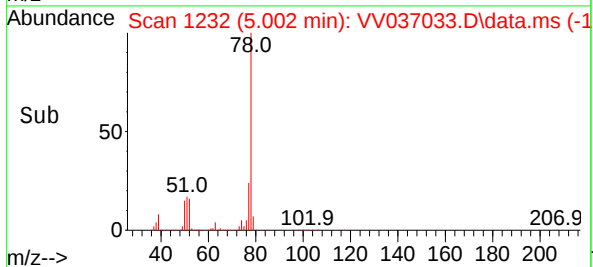
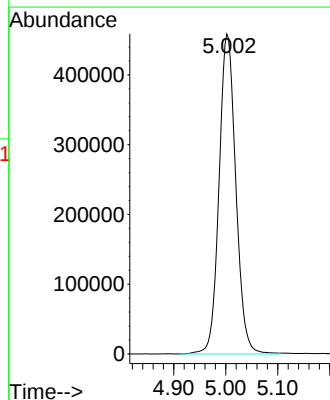
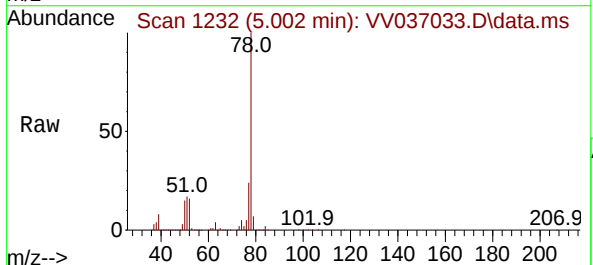
Instrument :
MSVOA_V
ClientSampleId :

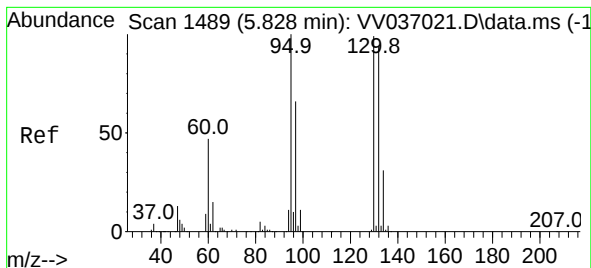
Tgt Ion:117 Resp: 340490
Ion Ratio Lower Upper
117 100
119 95.7 75.8 113.6



#33
Benzene
Concen: 53.726 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. -0.003 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

Tgt Ion: 78 Resp: 1028075





#34

Trichloroethene

Concen: 52.037 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

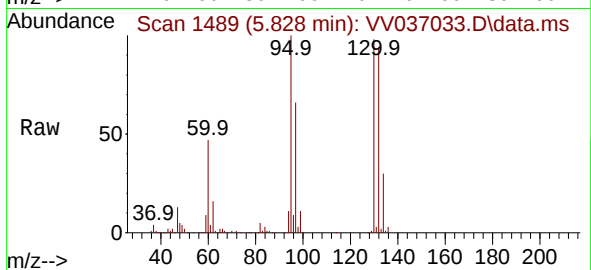
Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 262819

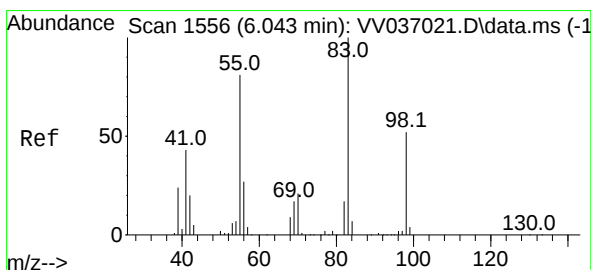
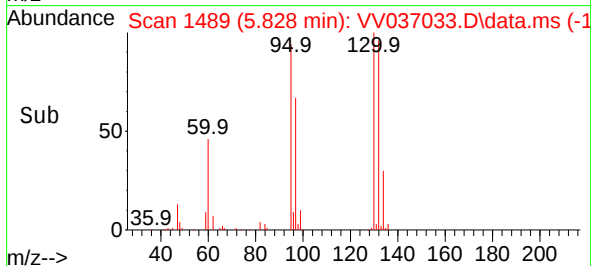
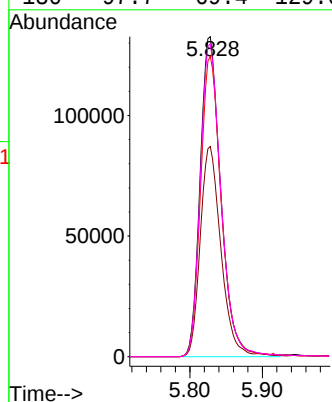
Ion Ratio Lower Upper

95 100

97 65.7 44.4 82.5

132 93.9 64.9 120.5

130 97.7 69.4 129.0



#35

Methylcyclohexane

Concen: 53.219 ug/L

RT: 6.040 min Scan# 1555

Delta R.T. -0.003 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

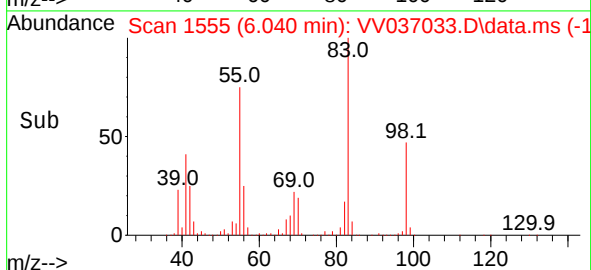
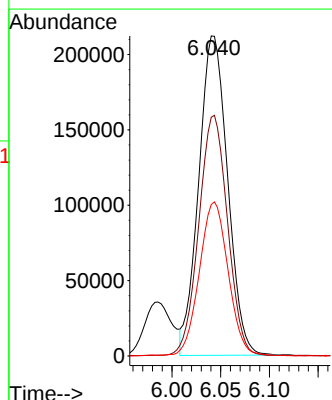
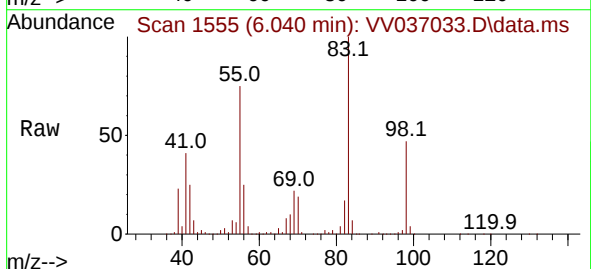
Tgt Ion: 83 Resp: 436714

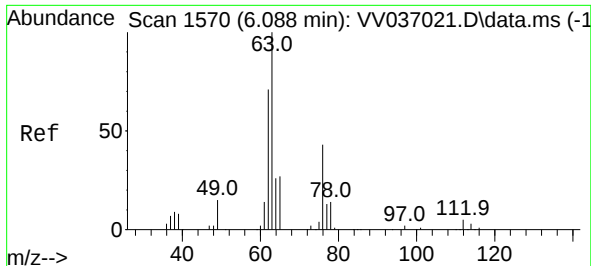
Ion Ratio Lower Upper

83 100

55 74.7 61.2 91.8

98 48.4 39.3 58.9

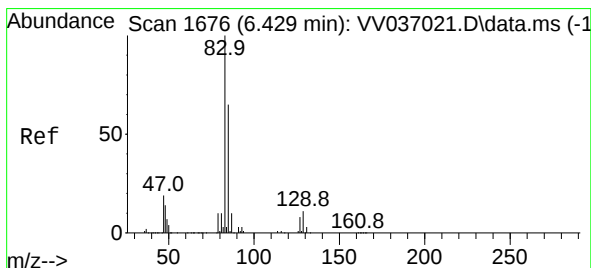
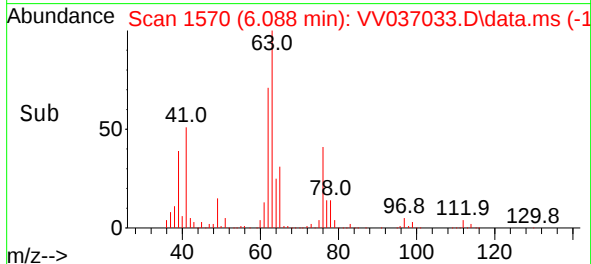
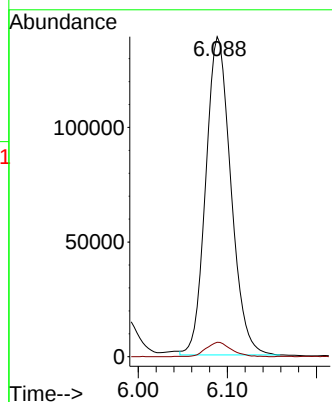
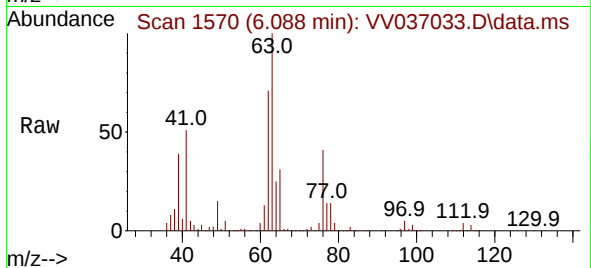




#37
1,2-Dichloropropane
Concen: 53.046 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

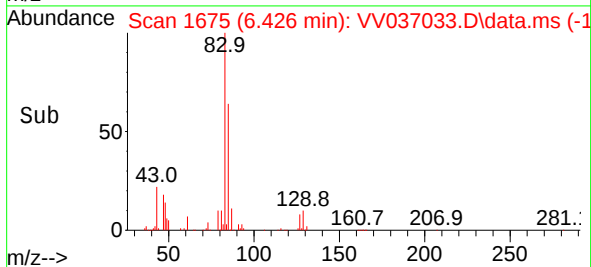
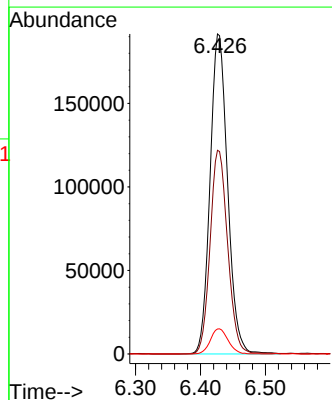
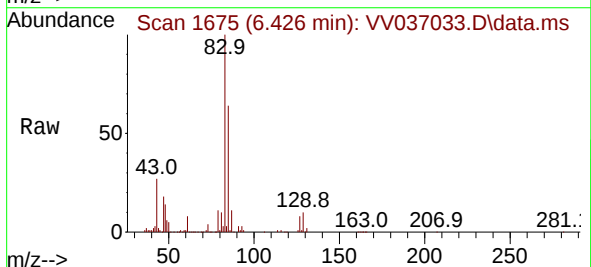
Instrument :
MSVOA_V
ClientSampleId :

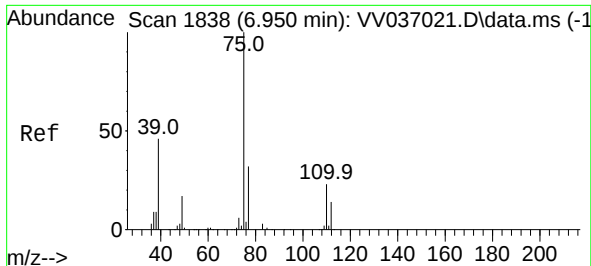
Tgt Ion: 63 Resp: 272124
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3



#38
Bromodichloromethane
Concen: 54.624 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

Tgt Ion: 83 Resp: 359156
Ion Ratio Lower Upper
83 100
85 63.7 44.5 82.7
127 7.8 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 54.543 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

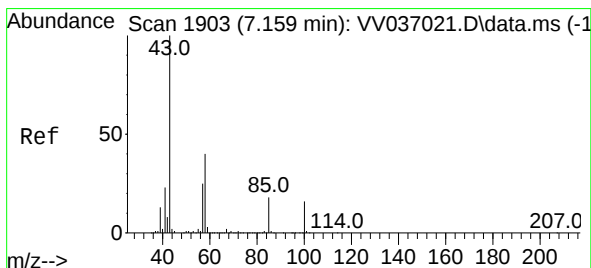
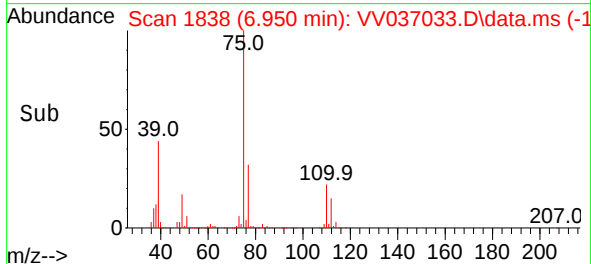
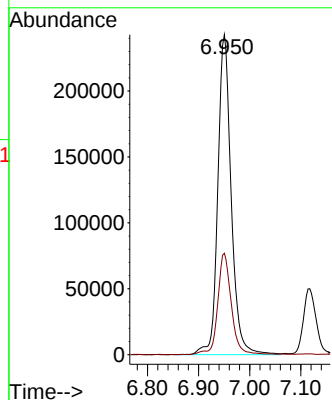
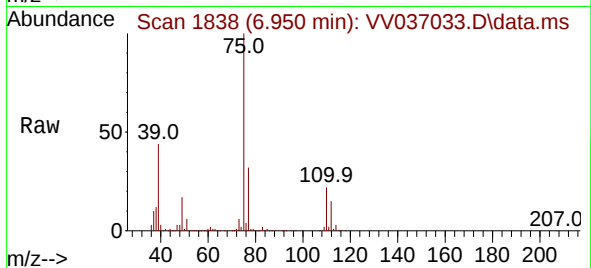
ClientSampleId :

Tgt Ion: 75 Resp: 441555

Ion Ratio Lower Upper

75 100

77 31.7 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 138.382 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

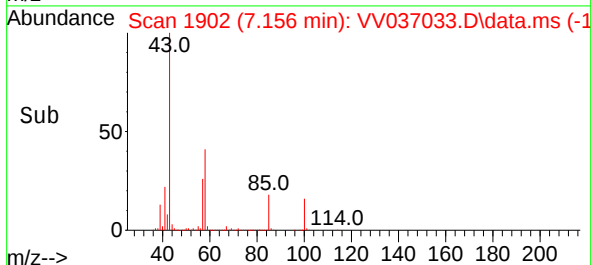
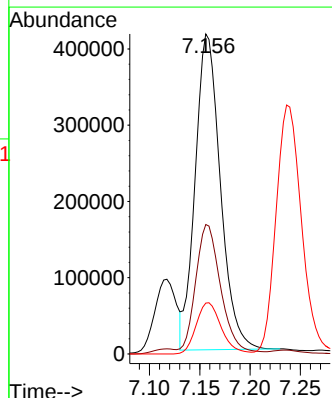
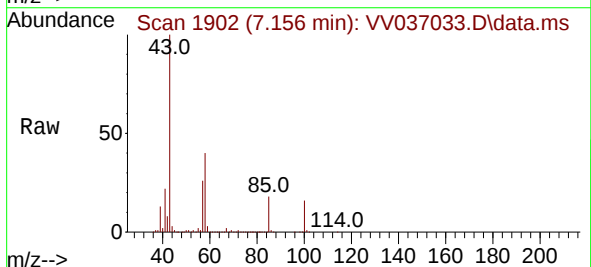
Tgt Ion: 43 Resp: 721719

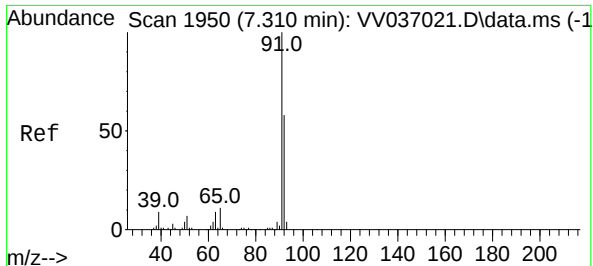
Ion Ratio Lower Upper

43 100

58 40.9 32.0 48.0

100 16.2 12.4 18.6





#42

Toluene

Concen: 54.082 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

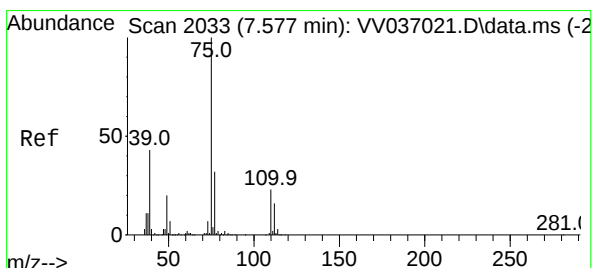
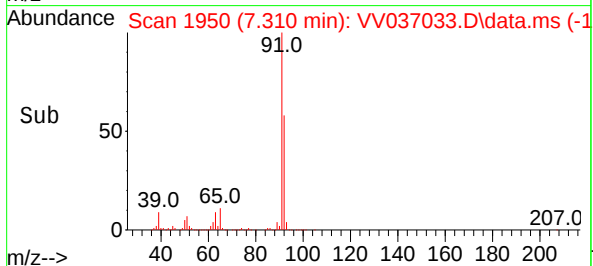
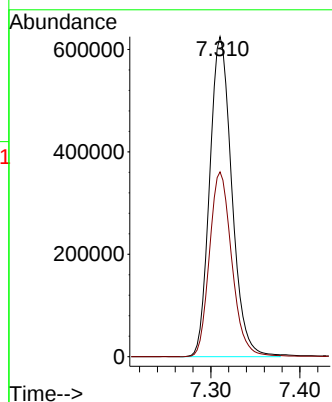
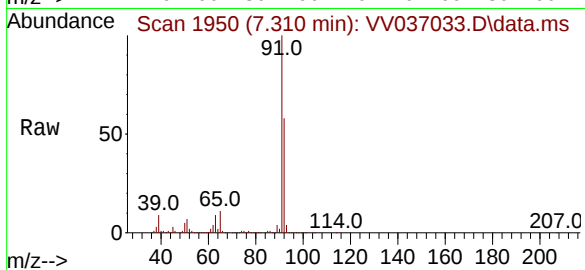
ClientSampleId :

Tgt Ion: 91 Resp: 1077505

Ion Ratio Lower Upper

91 100

92 57.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 54.600 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV037033.D

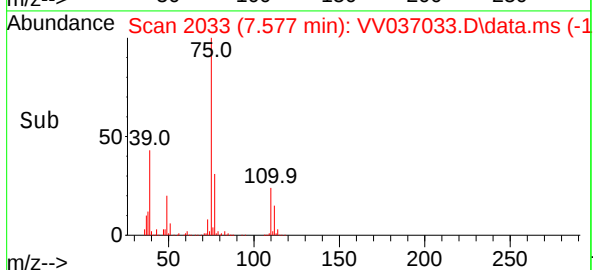
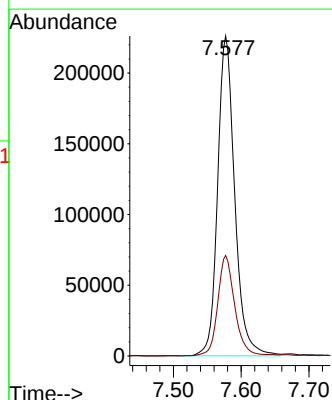
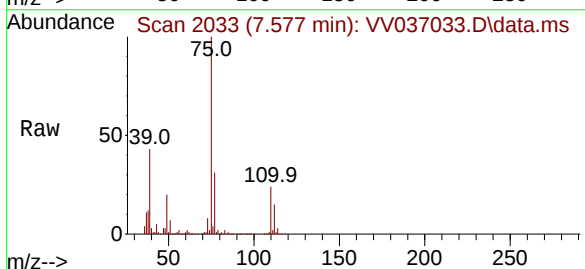
Acq: 26 Aug 2024 17:23

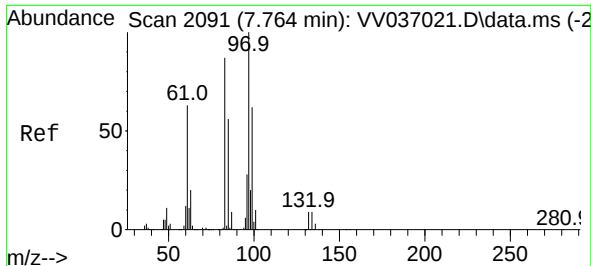
Tgt Ion: 75 Resp: 395092

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 54.874 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. -0.000 min

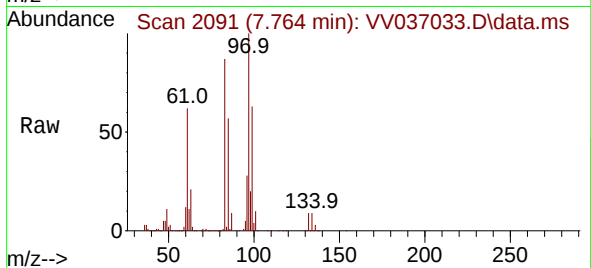
Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 262050

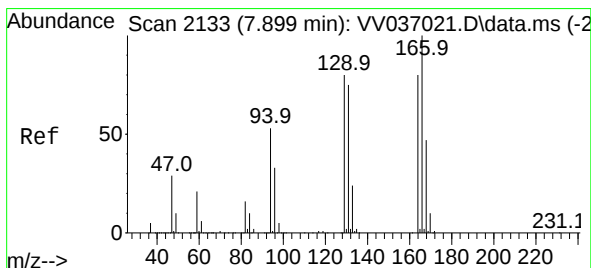
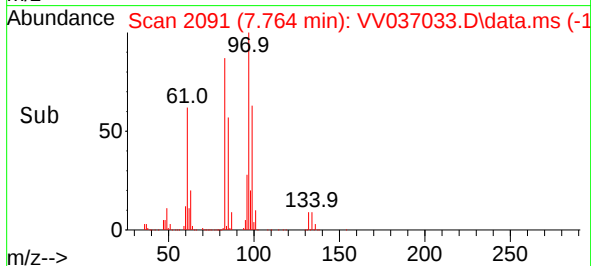
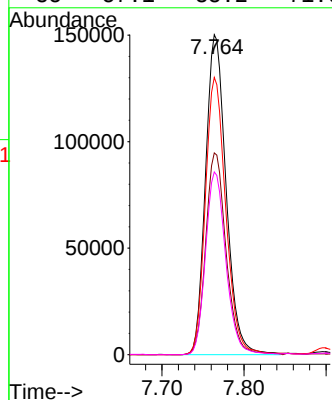
Ion Ratio Lower Upper

97 100

99 63.1 42.6 79.0

83 86.7 60.5 112.3

85 57.1 38.2 71.0



#46

Tetrachloroethene

Concen: 53.000 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Tgt Ion:164 Resp: 192063

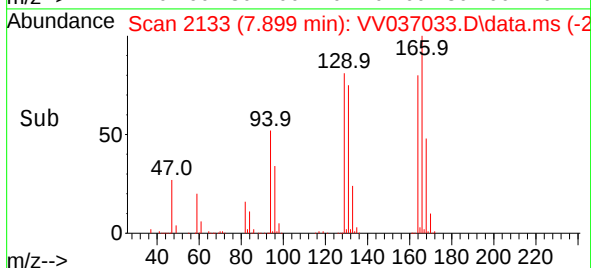
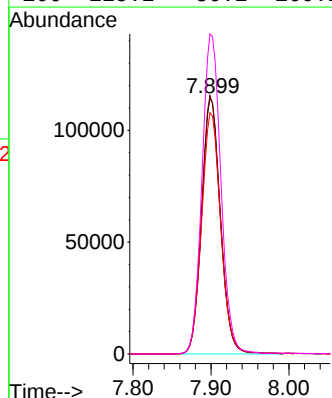
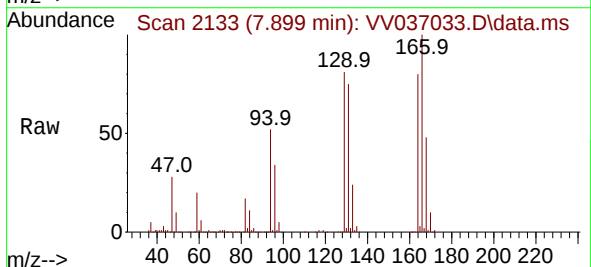
Ion Ratio Lower Upper

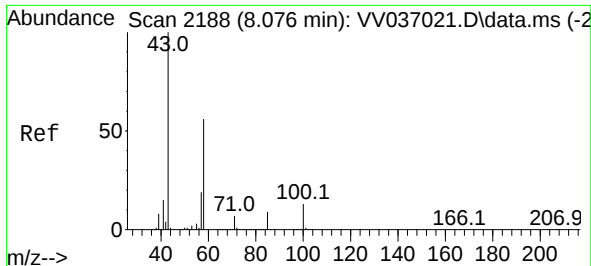
164 100

129 101.1 67.1 124.7

131 94.3 67.0 124.4

166 125.2 86.2 160.2





#48

2-Hexanone

Concen: 123.516 ug/L

RT: 8.072 min Scan# 2188

Delta R.T. -0.003 min

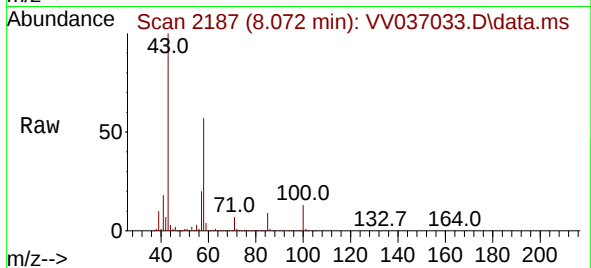
Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 498200

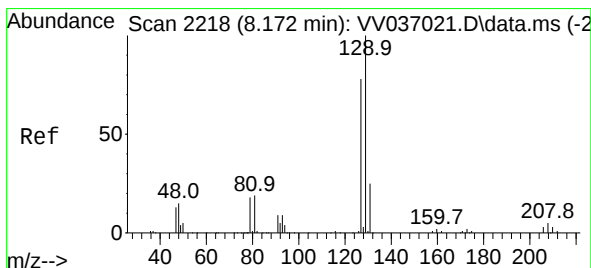
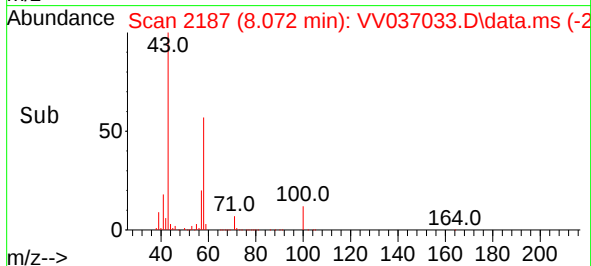
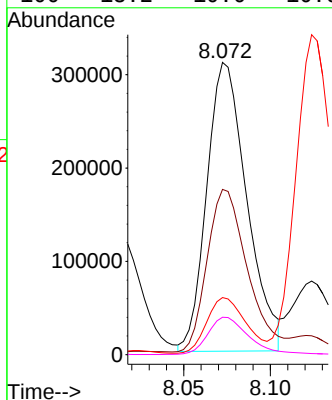
Ion Ratio Lower Upper

43 100

58 56.8 46.0 69.0

57 19.3 15.6 23.4

100 13.2 10.6 16.0



#49

Dibromochloromethane

Concen: 54.925 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV037033.D

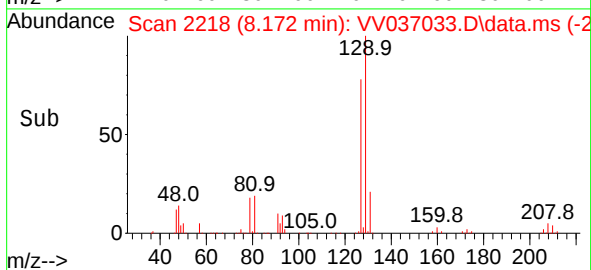
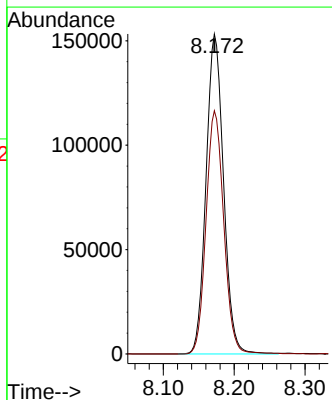
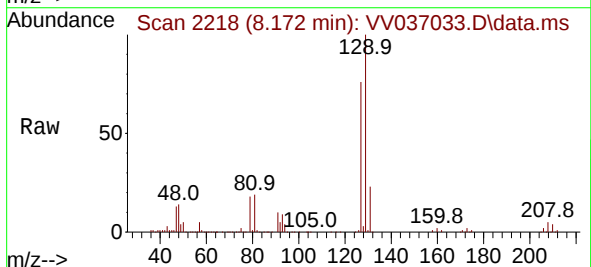
Acq: 26 Aug 2024 17:23

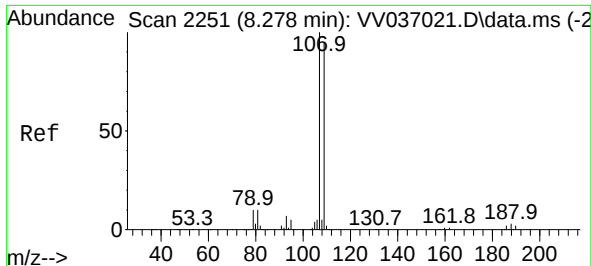
Tgt Ion:129 Resp: 262637

Ion Ratio Lower Upper

129 100

127 76.0 54.7 101.7





#50

1,2-Dibromoethane

Concen: 56.506 ug/L

RT: 8.278 min Scan# 21

Delta R.T. -0.000 min MSVOA_V

Lab File: VV037033.D

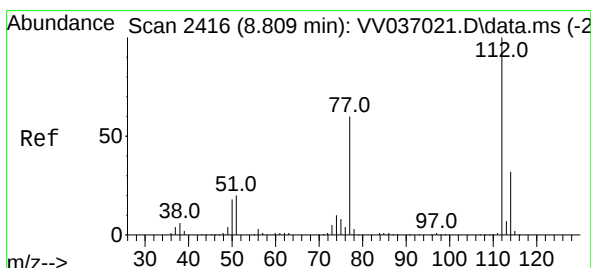
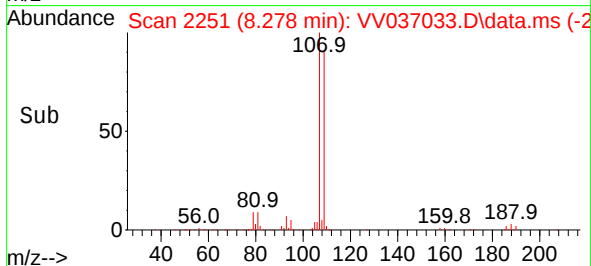
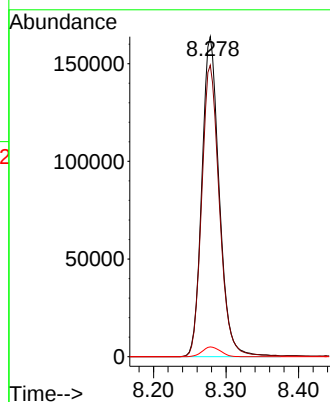
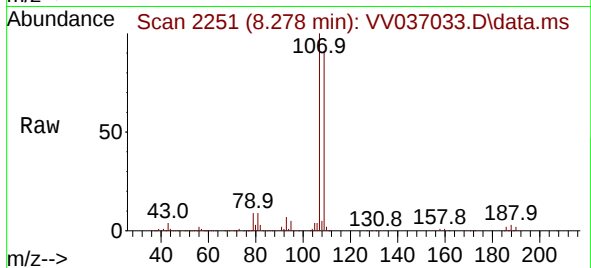
Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	107	Resp:	273056
Ion	Ratio	Lower	Upper
107	100		
109	91.1	66.6	123.6
188	3.1	2.6	3.8



#51

Chlorobenzene

Concen: 53.147 ug/L

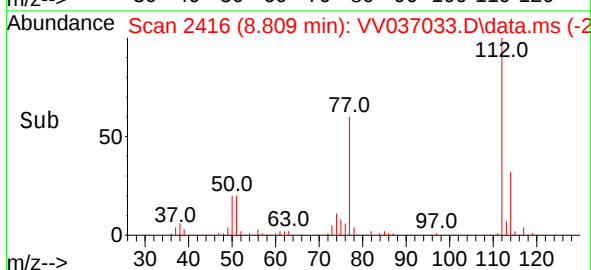
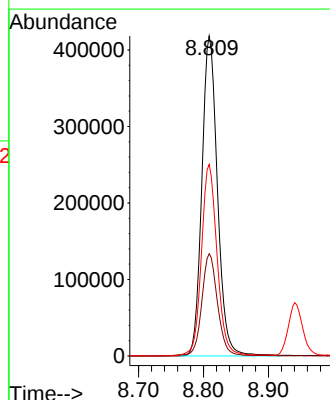
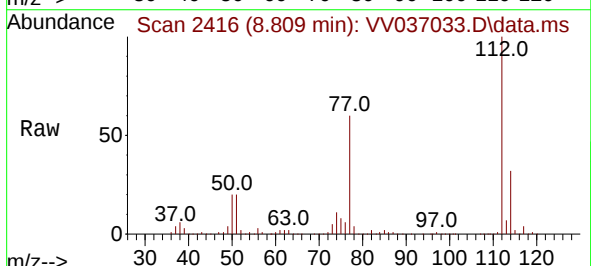
RT: 8.809 min Scan# 2416

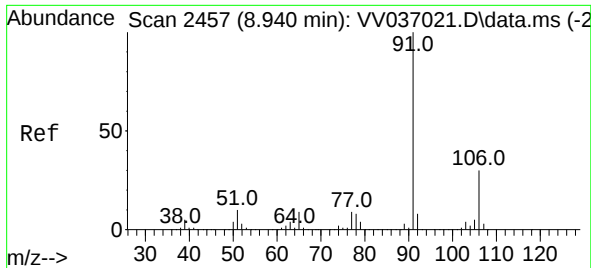
Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Tgt Ion:	112	Resp:	701011
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.5
77	59.8	47.8	71.8

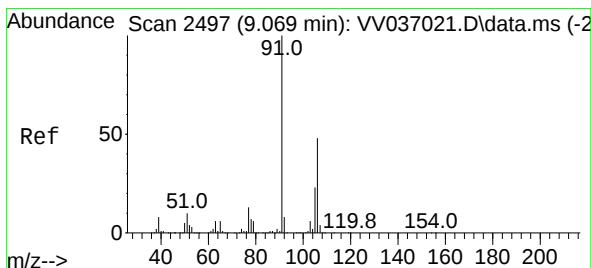
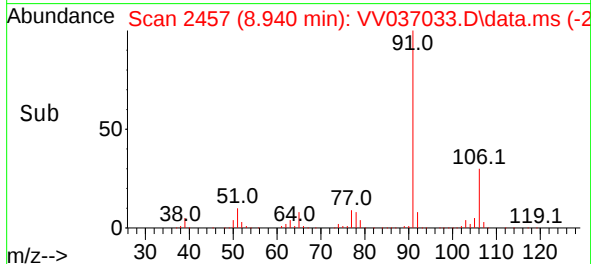
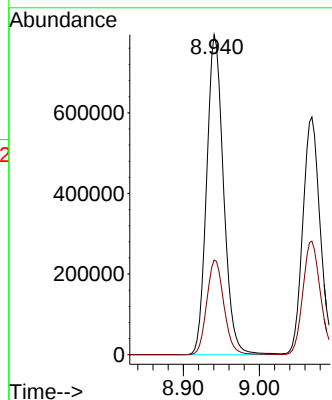
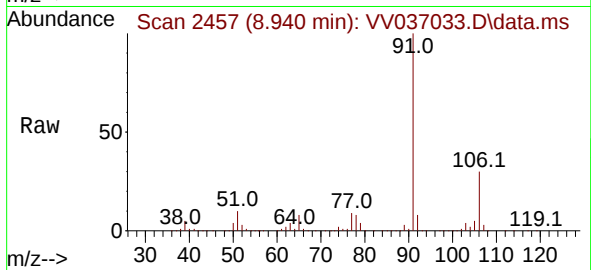




#52
Ethylbenzene
Concen: 54.478 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. -0.000 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

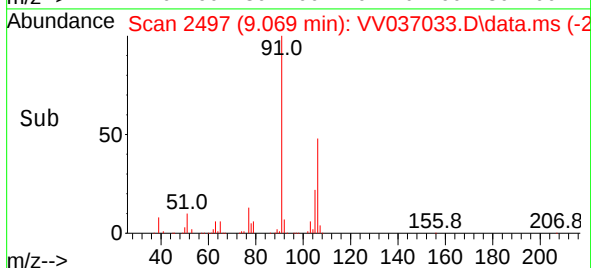
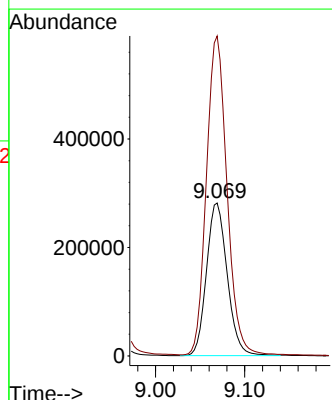
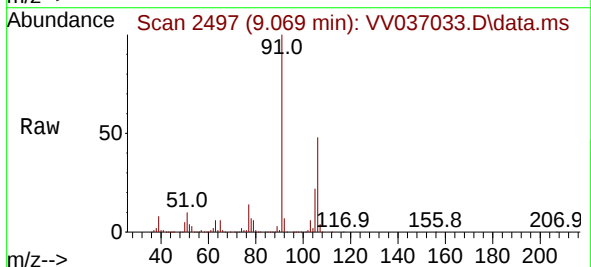
Instrument :
MSVOA_V
ClientSampleId :

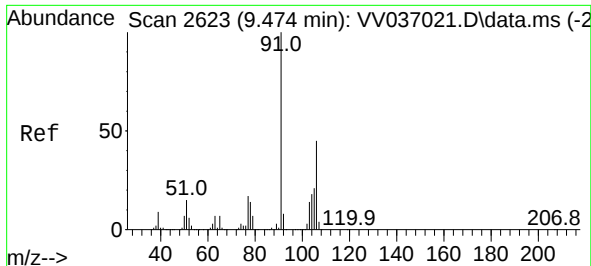
Tgt Ion: 91 Resp: 1225994
Ion Ratio Lower Upper
91 100
106 29.6 21.4 39.8



#53
m,p-Xylene
Concen: 54.490 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV037033.D
Acq: 26 Aug 2024 17:23

Tgt Ion:106 Resp: 454344
Ion Ratio Lower Upper
106 100
91 209.2 143.0 265.6





#54

o-Xylene

Concen: 55.113 ug/L

RT: 9.474 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

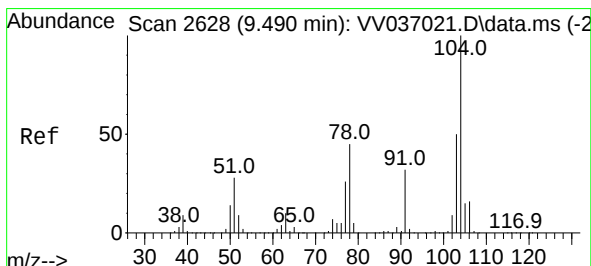
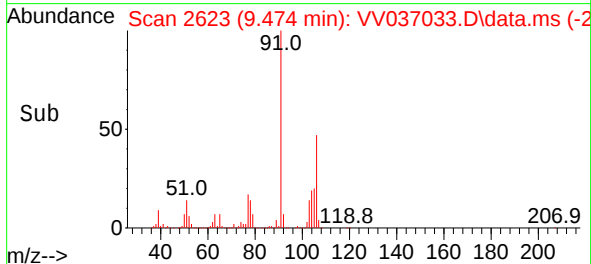
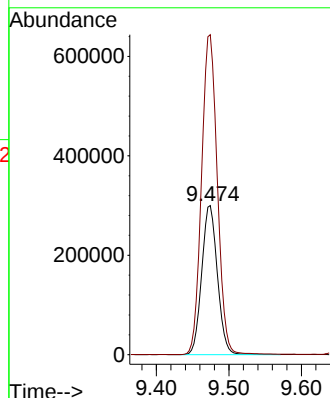
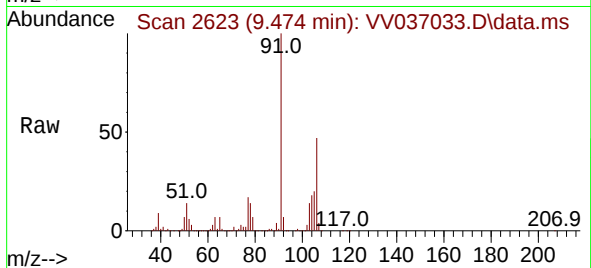
ClientSampleId :

Tgt Ion:106 Resp: 449937

Ion Ratio Lower Upper

106 100

91 214.7 153.2 284.6



#55

Styrene

Concen: 54.965 ug/L

RT: 9.490 min Scan# 2628

Delta R.T. -0.000 min

Lab File: VV037033.D

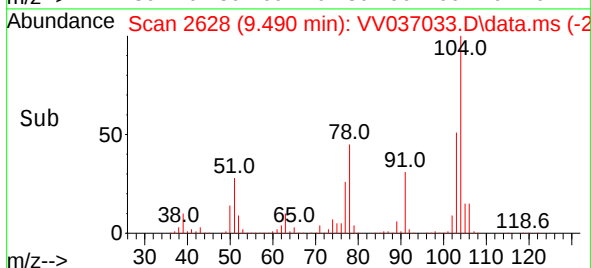
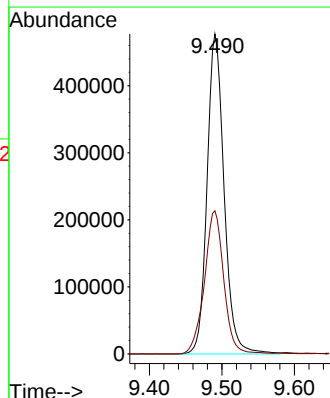
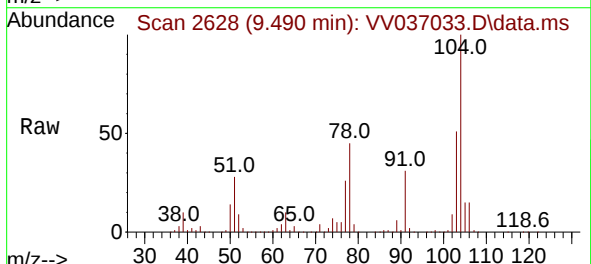
Acq: 26 Aug 2024 17:23

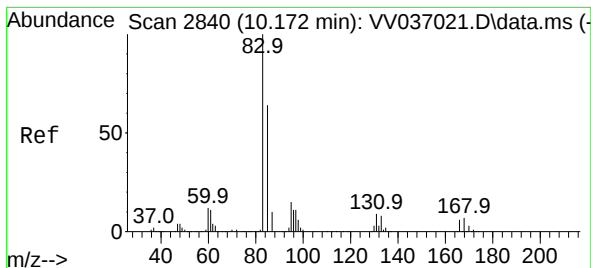
Tgt Ion:104 Resp: 778624

Ion Ratio Lower Upper

104 100

78 44.8 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 58.907 ug/L

RT: 10.172 min Scan# 2840

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

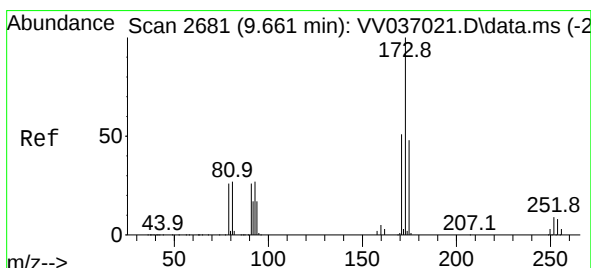
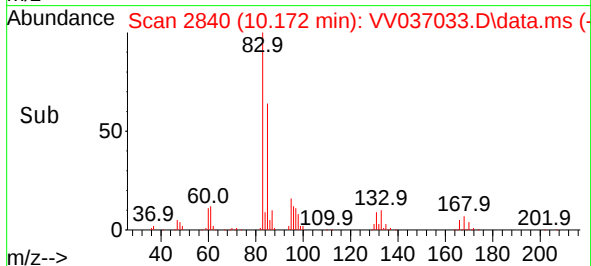
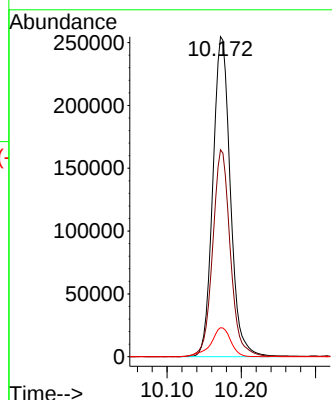
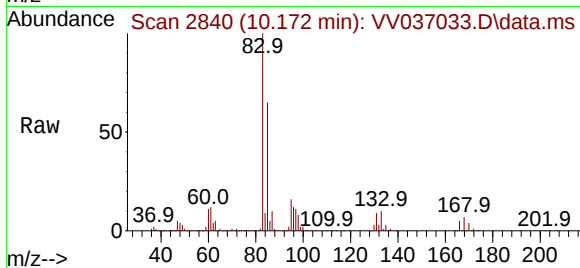
Tgt Ion: 83 Resp: 416634

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

131 9.1 7.4 11.0



#59

Bromoform

Concen: 57.923 ug/L

RT: 9.661 min Scan# 2681

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

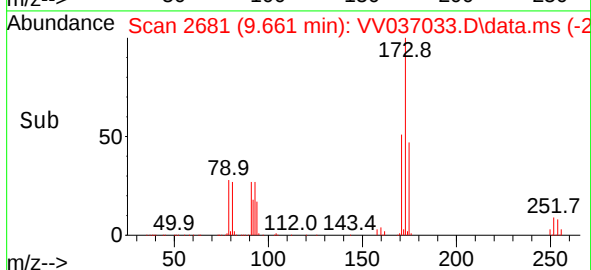
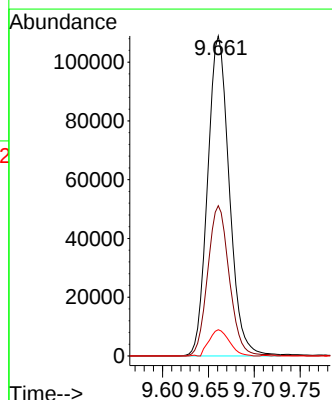
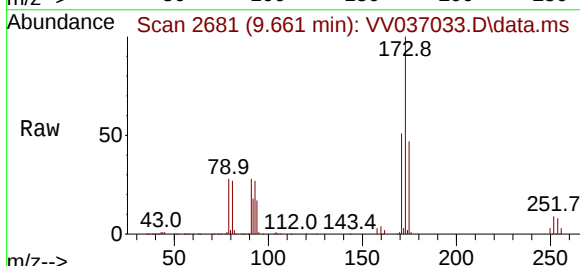
Tgt Ion: 173 Resp: 179174

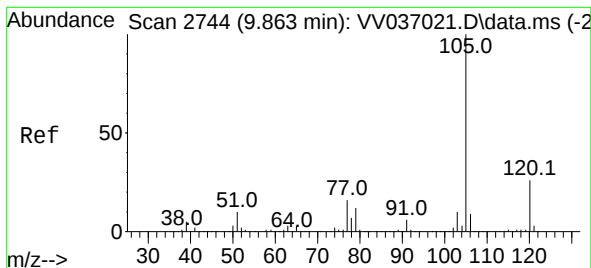
Ion Ratio Lower Upper

173 100

175 46.9 38.7 58.1

254 7.7 6.8 10.2





#60

Isopropylbenzene

Concen: 55.915 ug/L

RT: 9.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

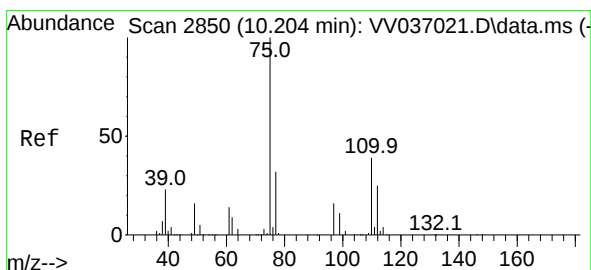
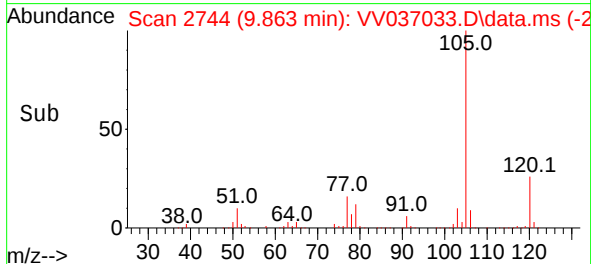
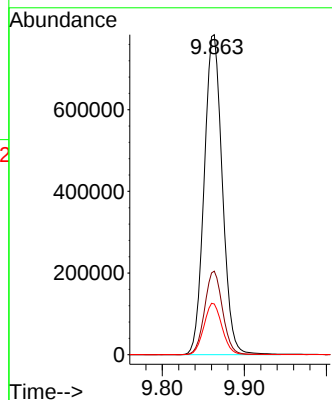
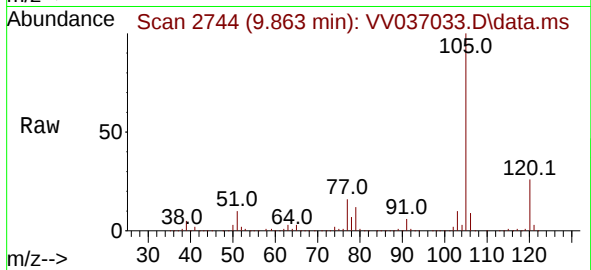
Tgt Ion:105 Resp: 1204170

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

77 16.0 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 59.668 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

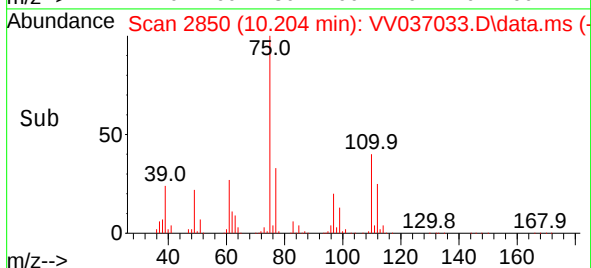
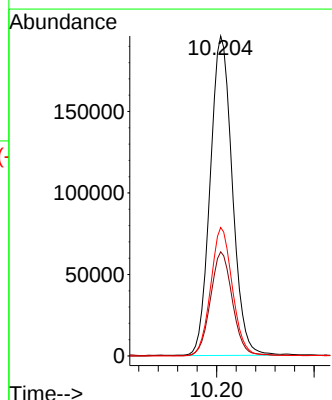
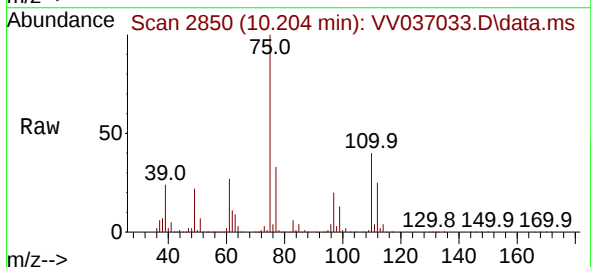
Tgt Ion: 75 Resp: 308341

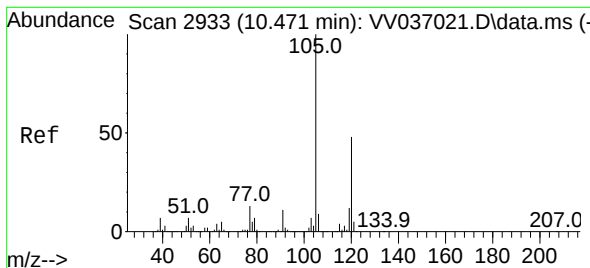
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

110 39.7 31.1 46.7





#62

1,3,5-Trimethylbenzene

Concen: 56.288 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

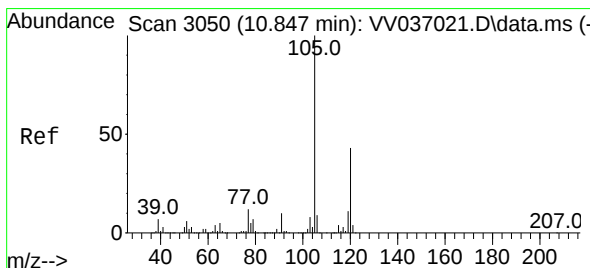
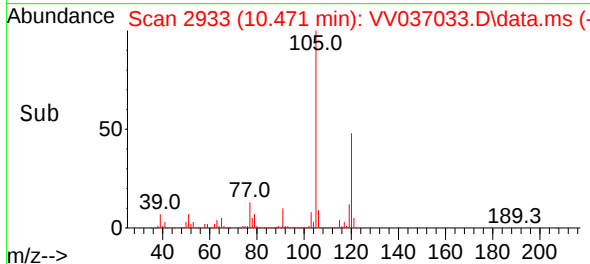
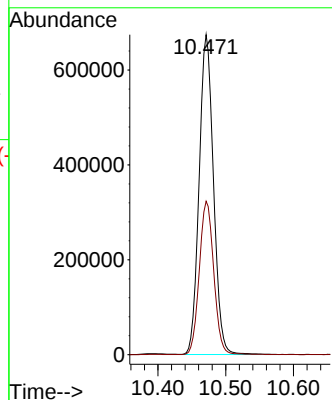
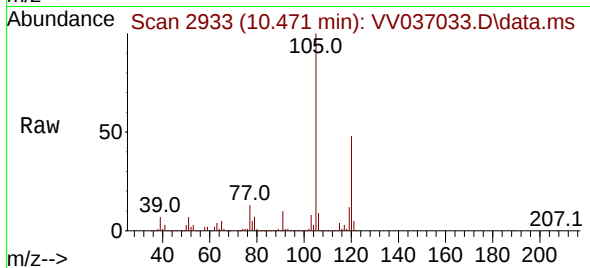
ClientSampleId :

Tgt Ion:105 Resp: 991767

Ion Ratio Lower Upper

105 100

120 48.2 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 56.521 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VV037033.D

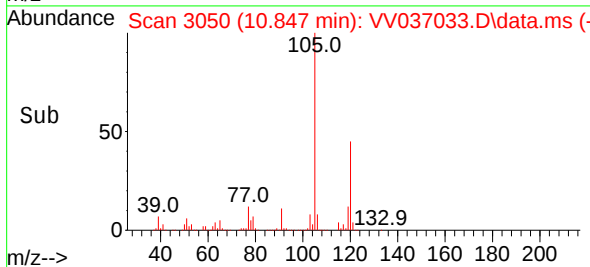
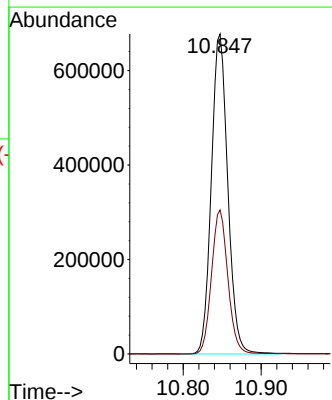
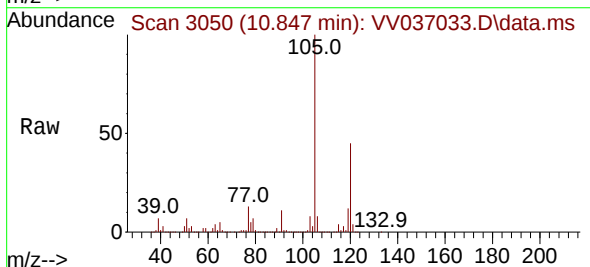
Acq: 26 Aug 2024 17:23

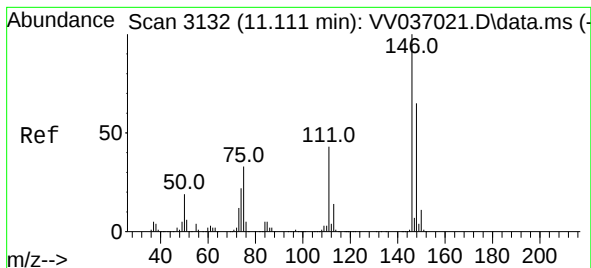
Tgt Ion:105 Resp: 993850

Ion Ratio Lower Upper

105 100

120 44.9 35.8 53.6





#64

1,3-Dichlorobenzene

Concen: 53.901 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

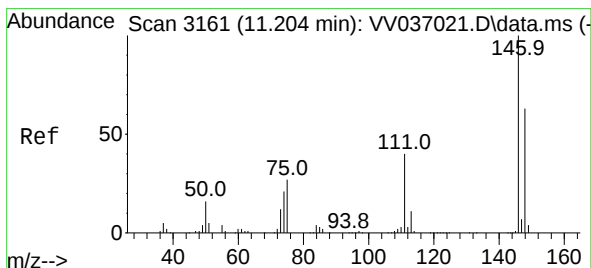
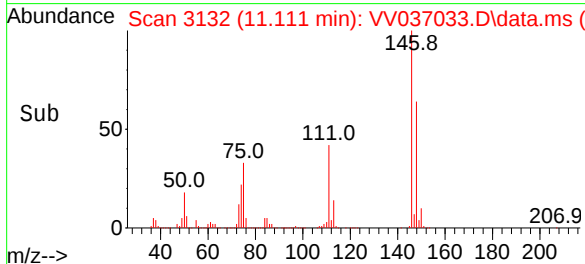
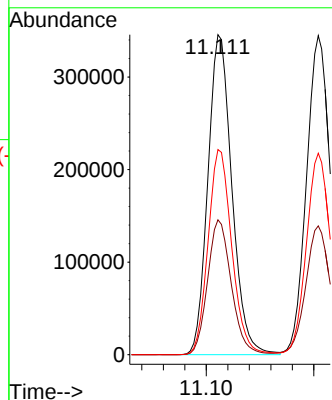
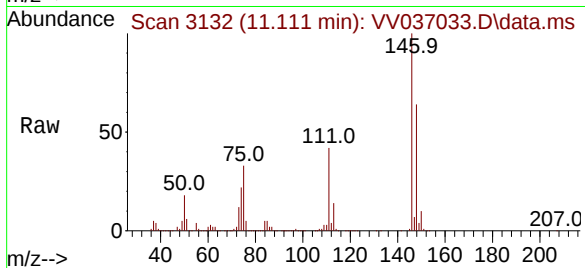
Tgt Ion:146 Resp: 536009

Ion Ratio Lower Upper

146 100

111 42.2 29.7 55.1

148 64.1 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 54.159 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

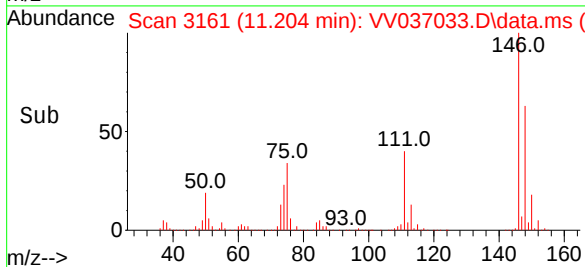
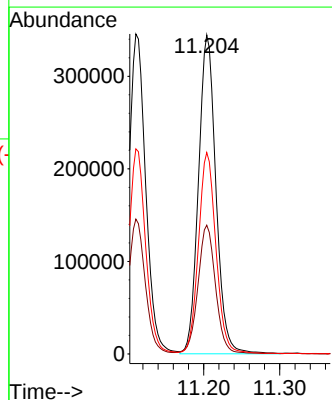
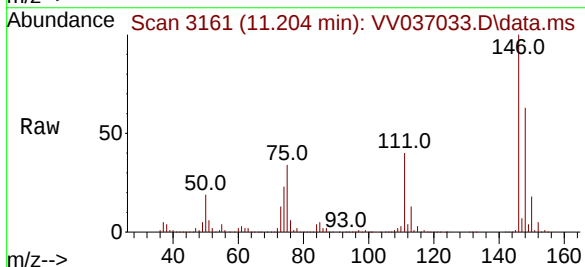
Tgt Ion:146 Resp: 551229

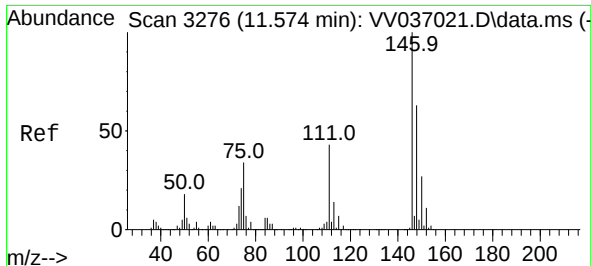
Ion Ratio Lower Upper

146 100

111 40.4 28.1 52.1

148 63.2 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 54.403 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

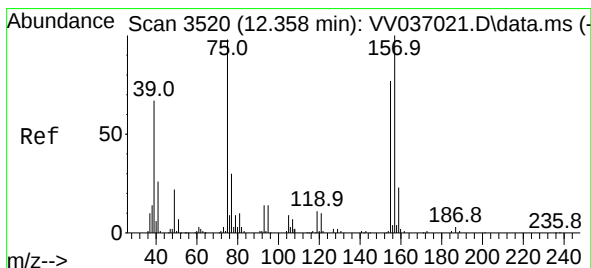
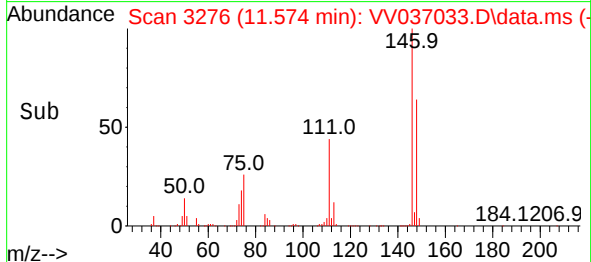
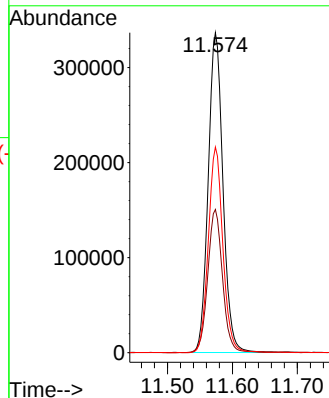
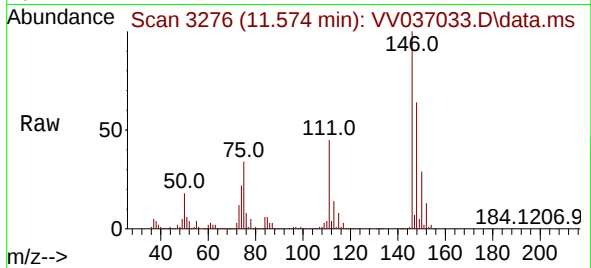
Tgt Ion:146 Resp: 531954

Ion Ratio Lower Upper

146 100

111 44.7 34.6 51.8

148 64.2 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 66.564 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

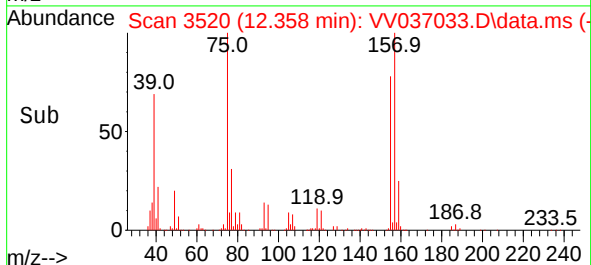
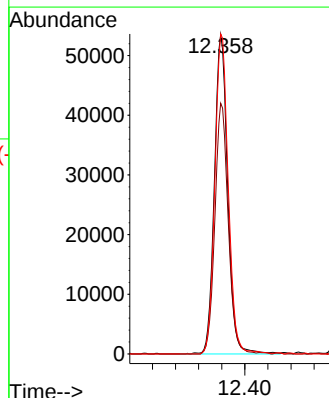
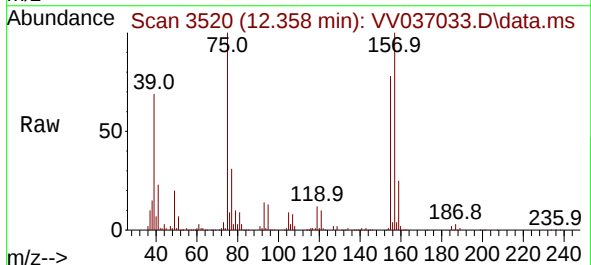
Tgt Ion: 75 Resp: 85783

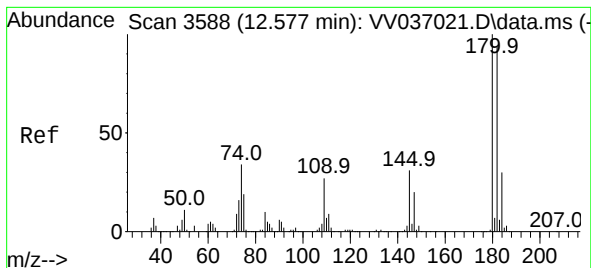
Ion Ratio Lower Upper

75 100

155 78.5 61.8 92.6

157 100.1 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 53.211 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. -0.000 min

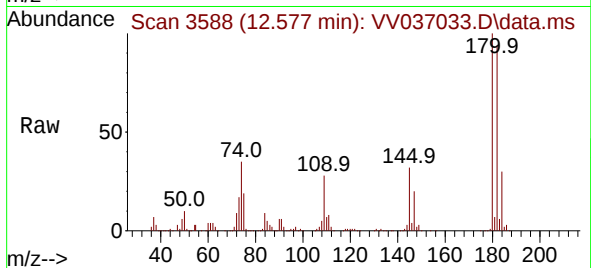
Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 368191

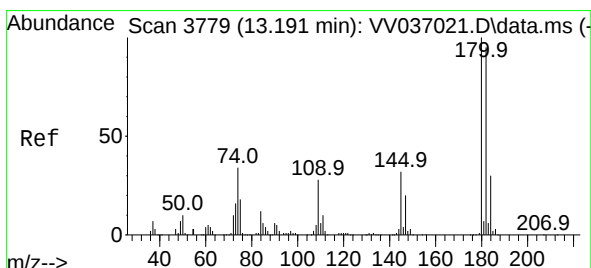
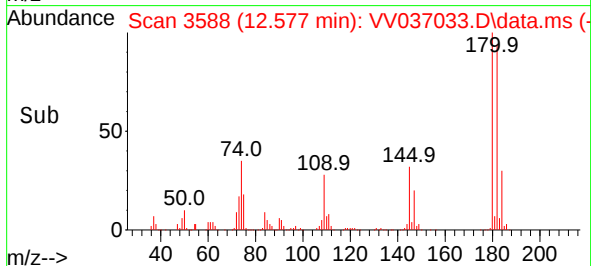
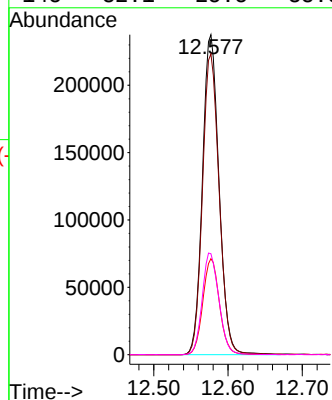
Ion Ratio Lower Upper

180 100

182 94.6 76.7 115.1

184 30.0 24.2 36.2

145 32.1 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 54.868 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

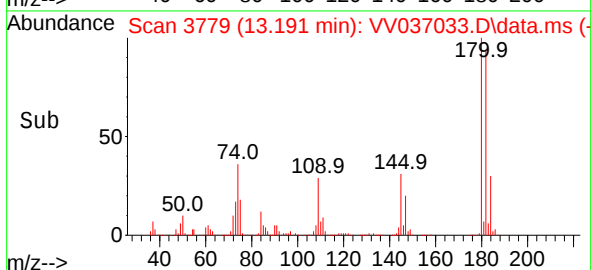
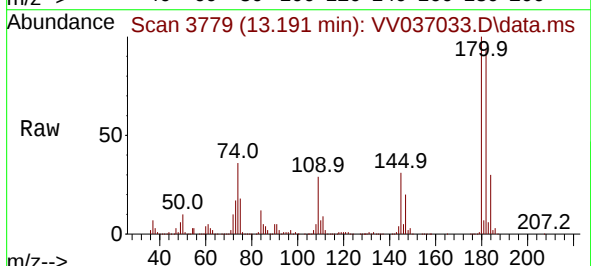
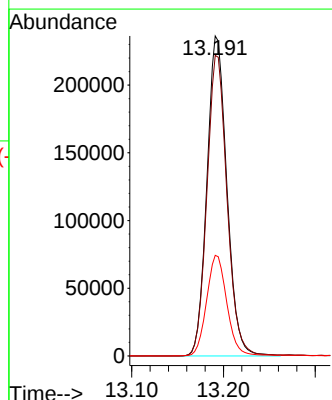
Tgt Ion:180 Resp: 357496

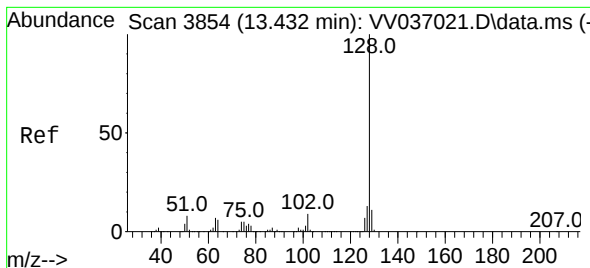
Ion Ratio Lower Upper

180 100

182 94.8 75.7 113.5

145 32.0 26.0 39.0





#71

Naphthalene

Concen: 66.450 ug/L

RT: 13.432 min Scan# 3854

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Instrument :

MSVOA_V

ClientSampleId :

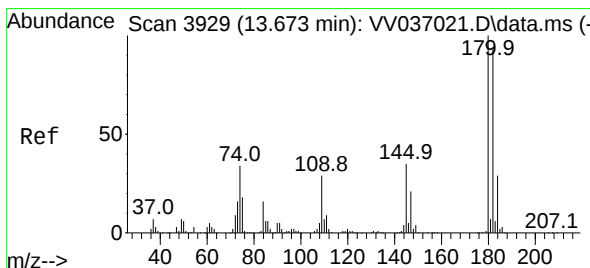
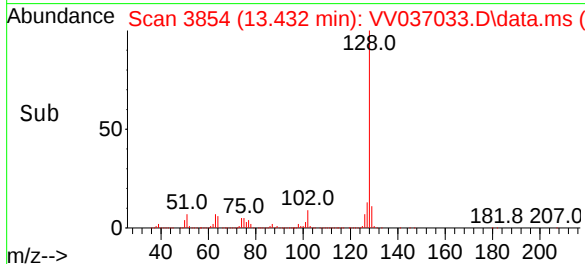
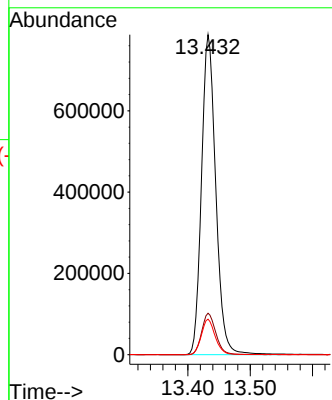
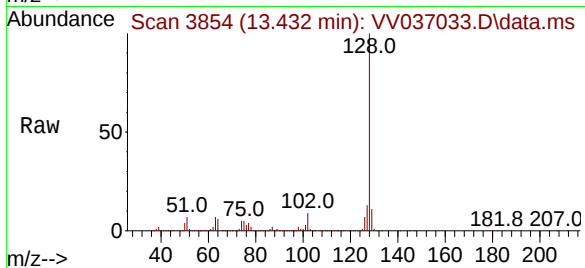
Tgt Ion:128 Resp: 1250220

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 56.204 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. -0.000 min

Lab File: VV037033.D

Acq: 26 Aug 2024 17:23

Tgt Ion:180 Resp: 360885

Ion Ratio Lower Upper

180 100

182 95.5 75.1 112.7

145 35.2 27.0 40.4

