

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050824\
 Data File : VV035558.D
 Acq On : 08 May 2024 16:38
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 09 01:25:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	384398	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	413527	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	210931	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	129496	21.796	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.200%
7) Chloroethane-d5	1.529	69	113934	23.771	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.080%
11) 1,1-Dichloroethene-d2	2.053	65	59129	22.480	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.920%
21) 2-Butanone-d5	3.831	46	79173	46.956	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.920%
24) Chloroform-d	4.243	84	282703	24.738	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.960%
26) 1,2-Dichloroethane-d4	4.937	65	151012	26.730	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.920%
32) Benzene-d6	4.953	84	530103	23.418	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.680%
36) 1,2-Dichloropropane-d6	5.986	67	175956	25.188	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.760%
41) Toluene-d8	7.240	98	446572	22.166	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.680%
43) trans-1,3-Dichloroprop...	7.551	79	70119	23.470	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.880%
47) 2-Hexanone-d5	8.031	63	64993	51.740	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.480%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	180262	26.779	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.120%
66) 1,2-Dichlorobenzene-d4	11.558	152	191492	26.159	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	8451	1.081	ug/L	99
3) Chloromethane	1.211	50	11129	1.418	ug/L	98
5) Vinyl chloride	1.278	62	9460	1.167	ug/L #	70
6) Bromomethane	1.484	94	6715	1.308	ug/L	95
8) Chloroethane	1.545	64	6106	1.222	ug/L	99
9) Trichlorofluoromethane	1.709	101	11671	1.103	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	8151	1.221	ug/L	92
12) 1,1-Dichloroethene	2.063	96	8217	1.363	ug/L #	1
13) Acetone	2.195	43	2401	0.973	ug/L	99
14) Carbon disulfide	2.233	76	24009	1.257	ug/L	100
15) Methyl Acetate	2.394	43	2485	0.665	ug/L #	80
16) Methylene chloride	2.442	84	38225	4.312	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	7329	1.095	ug/L	94
18) Methyl tert-butyl Ether	2.703	73	16476	1.020	ug/L #	92
19) 1,1-Dichloroethane	3.111	63	13568	1.081	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	7319	1.009	ug/L	84
22) 2-Butanone	3.928	43	328	0.143	ug/L	81
23) Bromochloromethane	4.156	128	3547	1.011	ug/L	92
25) Chloroform	4.269	83	16863	1.301	ug/L	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050824\
 Data File : VV035558.D
 Acq On : 08 May 2024 16:38
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

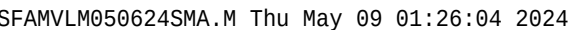
Instrument :
 MSVOA_V
 ClientSampleId :

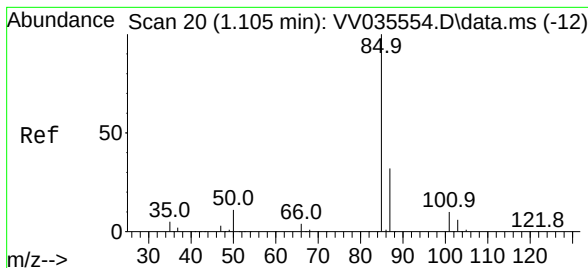
Quant Time: May 09 01:25:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.060	62	8253	1.023	ug/L	98
29) Cyclohexane	4.577	56	8930	0.903	ug/L #	93
30) 1,1,1-Trichloroethane	4.507	97	11830	1.032	ug/L	96
31) Carbon tetrachloride	4.732	117	10129	1.007	ug/L	98
33) Benzene	5.015	78	29804	1.089	ug/L	100
34) Trichloroethene	5.838	95	7932	1.025	ug/L	95
35) Methylcyclohexane	6.043	83	10483	0.892	ug/L	96
37) 1,2-Dichloropropane	6.101	63	7980	1.118	ug/L	99
38) Bromodichloromethane	6.439	83	9980	1.032	ug/L	100
39) cis-1,3-Dichloropropene	6.969	75	8614	0.771	ug/L	100
40) 4-Methyl-2-pentanone	7.172	43	7522	1.759	ug/L #	92
42) Toluene	7.323	91	28824	0.995	ug/L	94
44) trans-1,3-Dichloropropene	7.590	75	10211	1.045	ug/L	95
45) 1,1,2-Trichloroethane	7.780	97	6252	1.030	ug/L	94
46) Tetrachloroethene	7.908	164	6259	0.995	ug/L	90
48) 2-Hexanone	8.098	43	3628	1.131	ug/L	92
49) Dibromochloromethane	8.178	129	7316	1.069	ug/L	93
50) 1,2-Dibromoethane	8.288	107	6414	1.073	ug/L #	93
51) Chlorobenzene	8.815	112	21052	1.048	ug/L	98
52) Ethylbenzene	8.950	91	29117	0.911	ug/L	97
53) m,p-Xylene	9.079	106	10312	0.850	ug/L	96
54) o-Xylene	9.481	106	9242	0.804	ug/L	95
55) Styrene	9.506	104	13812	0.689	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.178	83	8328	1.127	ug/L #	93
59) Bromoform	9.670	173	4413	1.065	ug/L #	95
60) Isopropylbenzene	9.870	105	23523	0.837	ug/L	100
61) 1,2,3-Trichloropropane	10.211	75	6203	1.255	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	17106	0.776	ug/L	96
63) 1,2,4-Trimethylbenzene	10.854	105	17663	0.780	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	14980	1.016	ug/L	94
65) 1,4-Dichlorobenzene	11.207	146	16876	1.106	ug/L	96
67) 1,2-Dichlorobenzene	11.577	146	16902	1.218	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	1479	1.290	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.583	180	11662	1.012	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	9856	1.024	ug/L	96
71) Naphthalene	13.445	128	15453	0.915	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	8430	0.974	ug/L	93

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

Quant Time: May 09 01:25:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 01:17:39 2024
Response via : Initial Calibration

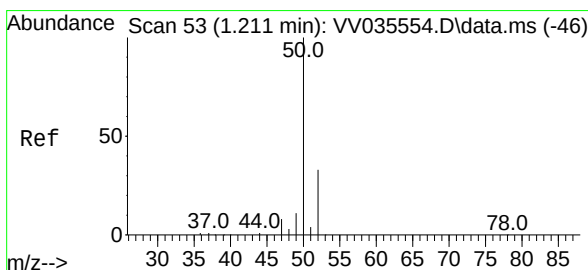
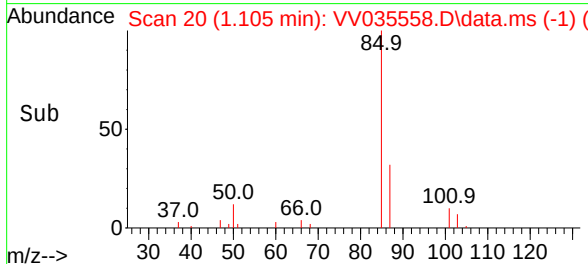
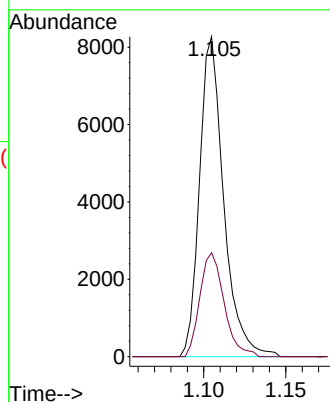
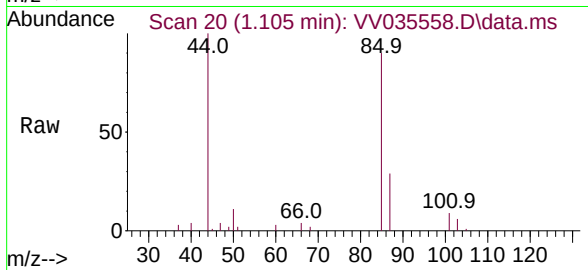




#2
 Dichlorodifluoromethane
 Concen: 1.081 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV035558.D
 Acq: 08 May 2024 16:38

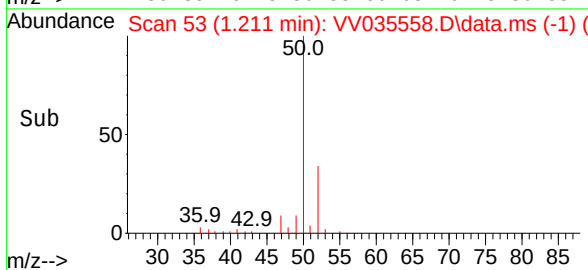
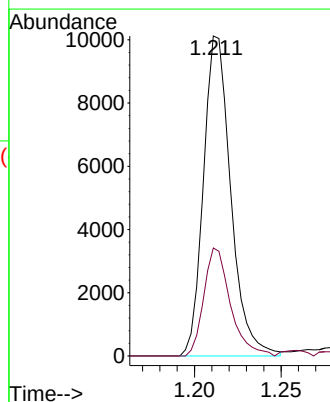
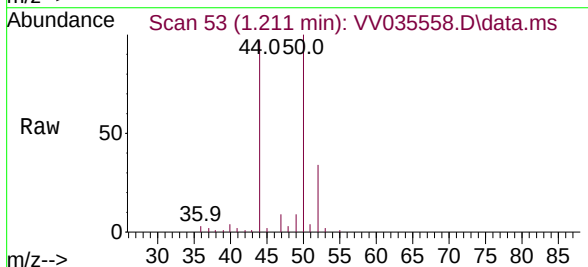
Instrument :
 MSVOA_V
 ClientSampleId :

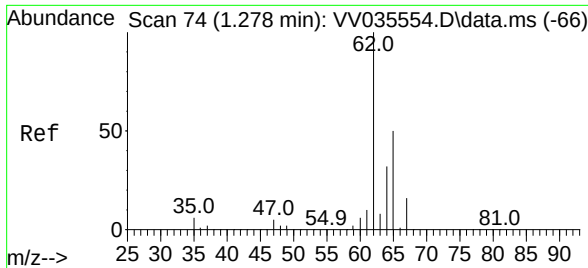
Tgt Ion: 85 Resp: 8451
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.8 38.6



#3
 Chloromethane
 Concen: 1.418 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV035558.D
 Acq: 08 May 2024 16:38

Tgt Ion: 50 Resp: 11129
 Ion Ratio Lower Upper
 50 100
 52 33.7 22.7 42.1

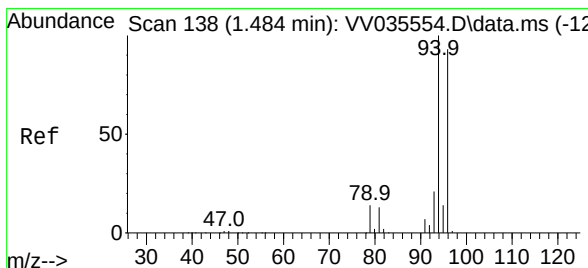
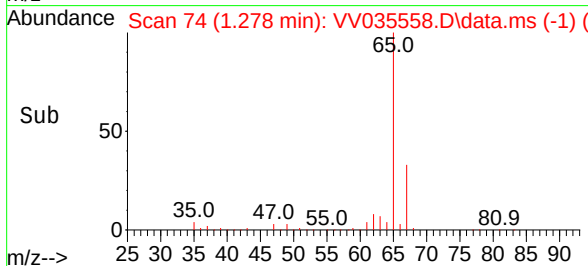
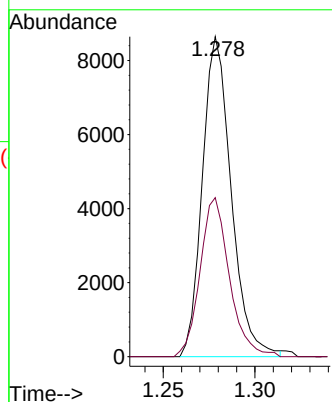
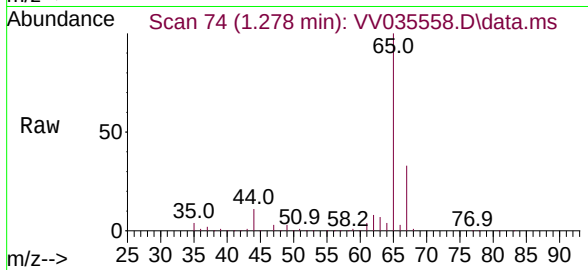




#5
Vinyl chloride
Concen: 1.167 ug/L
RT: 1.278 min Scan# 74
Delta R.T. 0.000 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

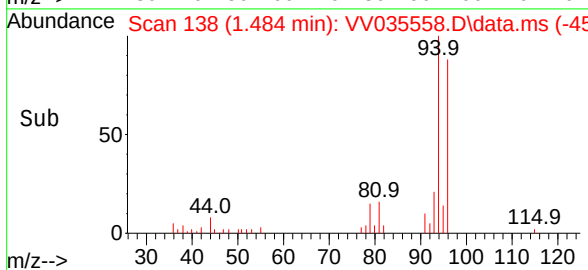
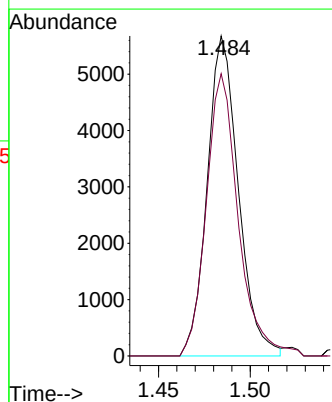
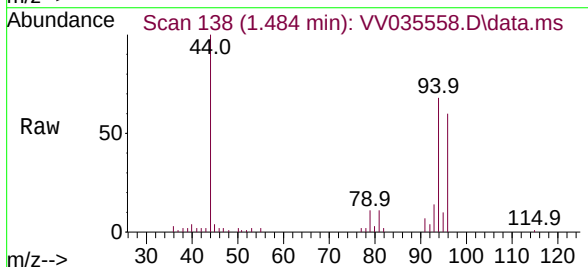
Instrument :
MSVOA_V
ClientSampleId :

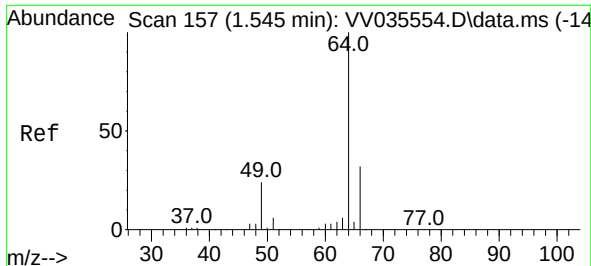
Tgt Ion: 62 Resp: 9460
Ion Ratio Lower Upper
62 100
64 49.7 23.0 42.6#



#6
Bromomethane
Concen: 1.308 ug/L
RT: 1.484 min Scan# 138
Delta R.T. 0.000 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Tgt Ion: 94 Resp: 6715
Ion Ratio Lower Upper
94 100
96 88.2 65.2 121.0

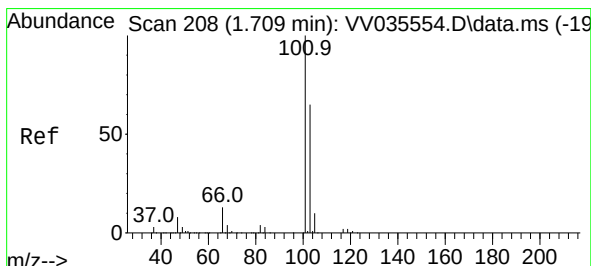
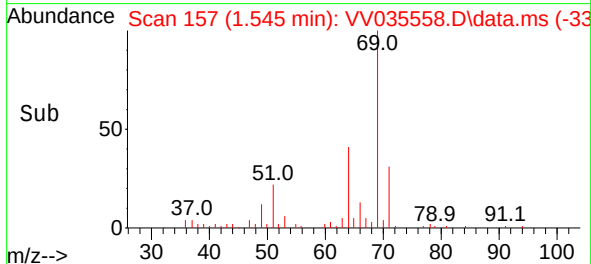
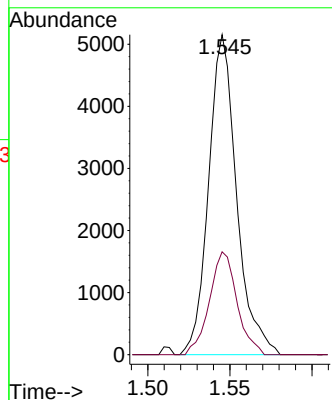
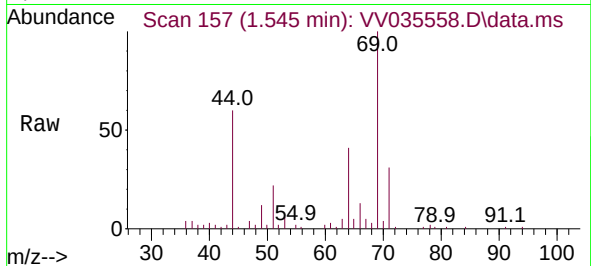




#8
Chloroethane
Concen: 1.222 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

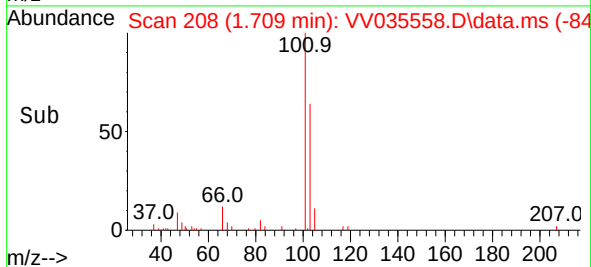
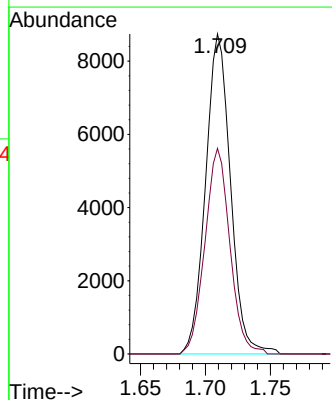
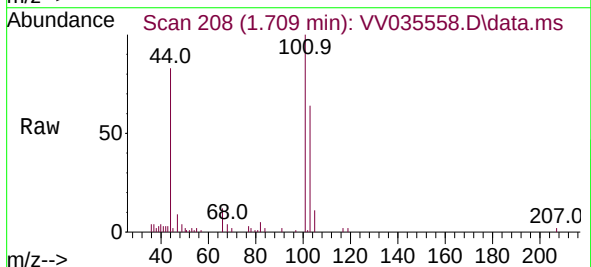
Instrument :
MSVOA_V
ClientSampleId :

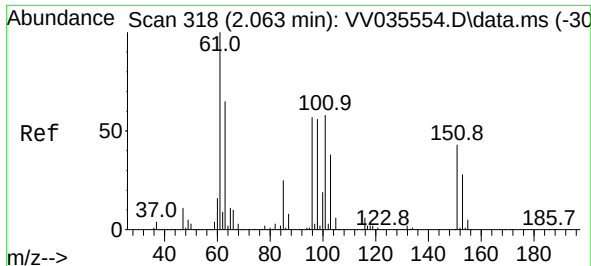
Tgt Ion: 64 Resp: 6106
Ion Ratio Lower Upper
64 100
66 32.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.103 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Tgt Ion:101 Resp: 11671
Ion Ratio Lower Upper
101 100
103 64.1 51.5 77.3





#10

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

Concen: 1.221 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

ClientSampleId :

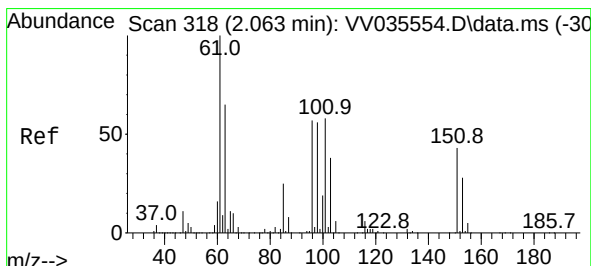
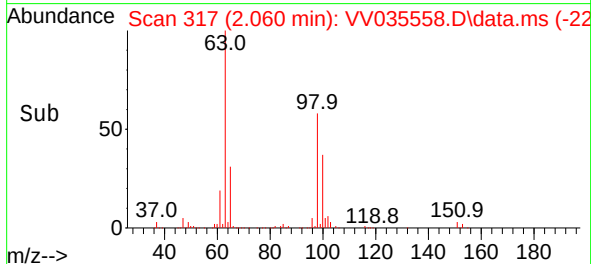
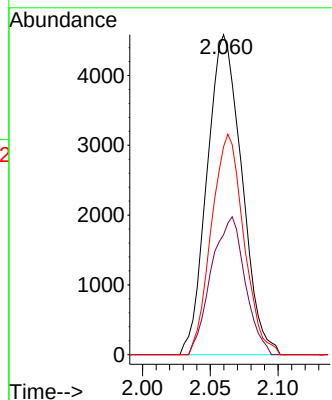
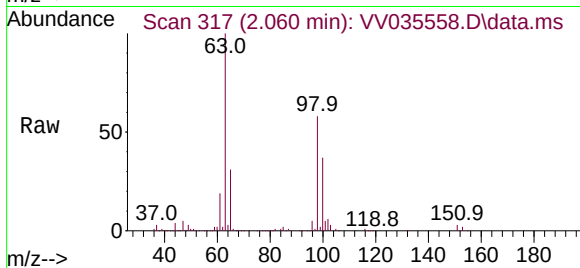
Tgt Ion:101 Resp: 8151

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.4

151 64.3 59.5 89.3



#12

1,1-Dichloroethene

Concen: 1.363 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

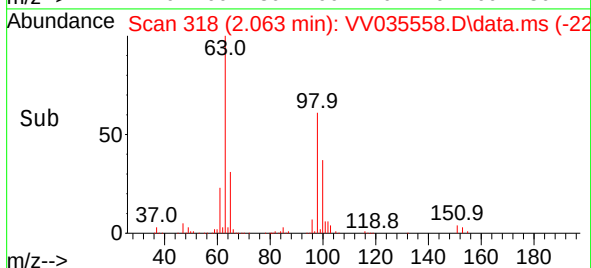
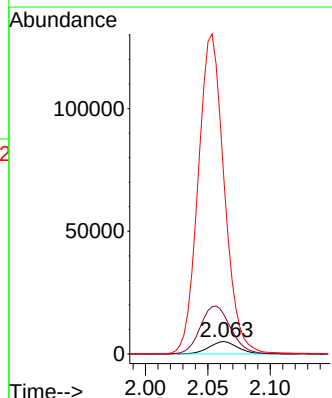
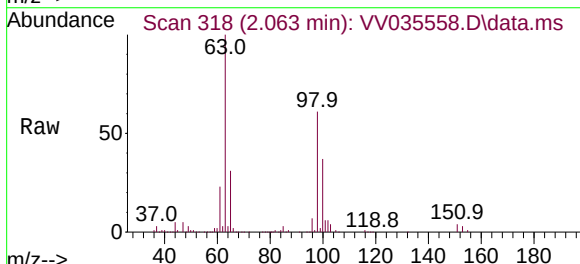
Tgt Ion: 96 Resp: 8217

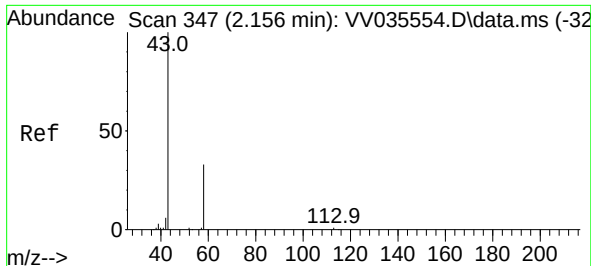
Ion Ratio Lower Upper

96 100

61 312.2 119.8 222.4#

63 1379.2 75.6 140.4#





#13

Acetone

Concen: 0.973 ug/L

RT: 2.195 min Scan# 347

Delta R.T. 0.039 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

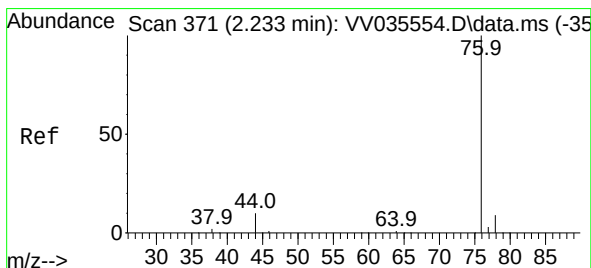
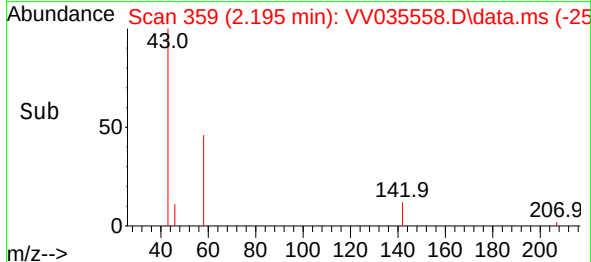
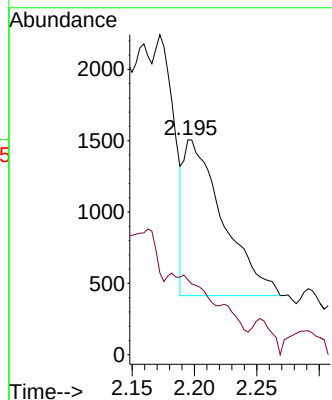
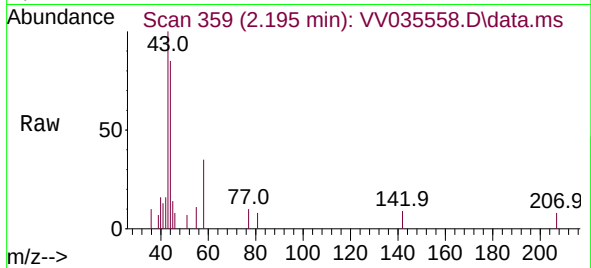
ClientSampleId :

Tgt Ion: 43 Resp: 2401

Ion Ratio Lower Upper

43 100

58 11.0 0.0 22.8



#14

Carbon disulfide

Concen: 1.257 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035558.D

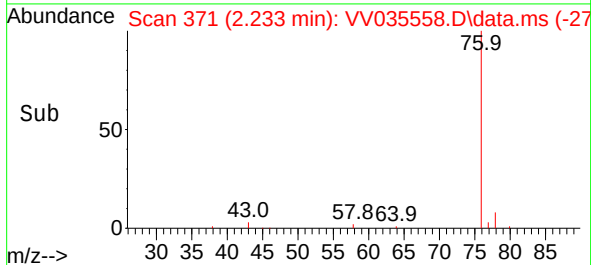
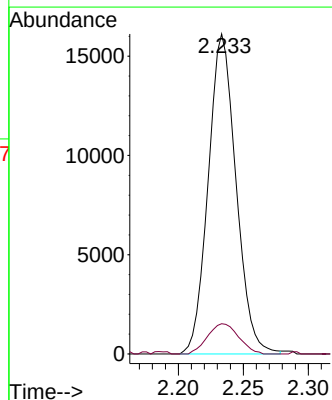
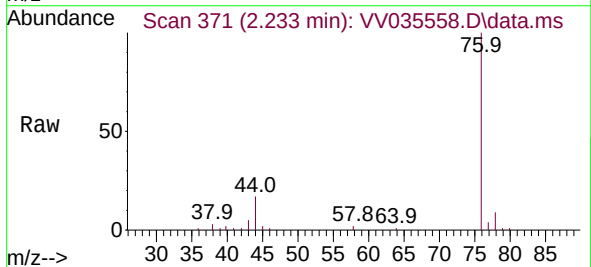
Acq: 08 May 2024 16:38

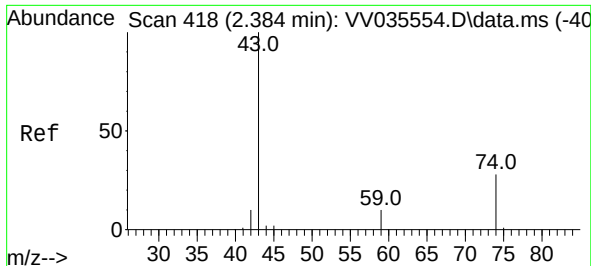
Tgt Ion: 76 Resp: 24009

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3





#15

Methyl Acetate

Concen: 0.665 ug/L

RT: 2.394 min Scan# 41

Delta R.T. 0.010 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

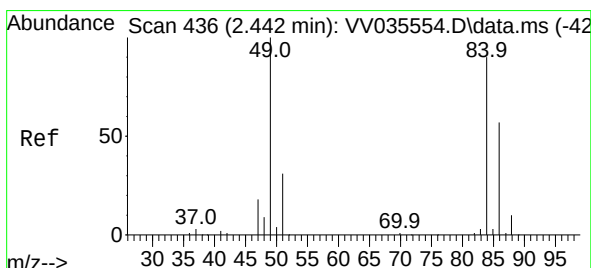
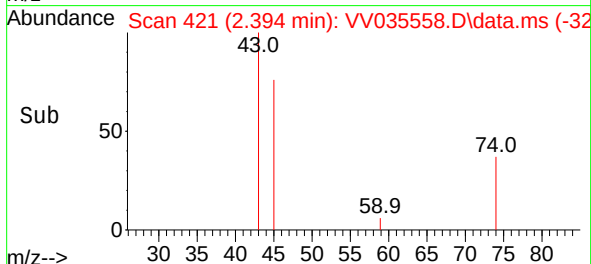
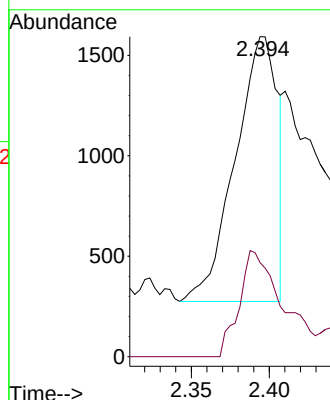
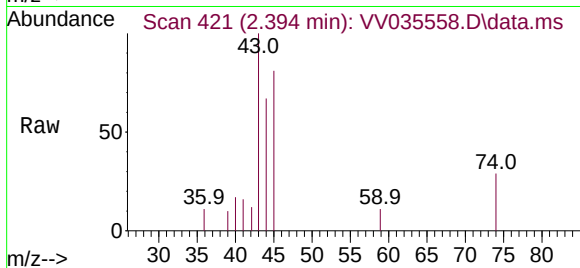
ClientSampleId :

Tgt Ion: 43 Resp: 2485

Ion Ratio Lower Upper

43 100

74 33.1 18.6 27.8#



#16

Methylene chloride

Concen: 4.312 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

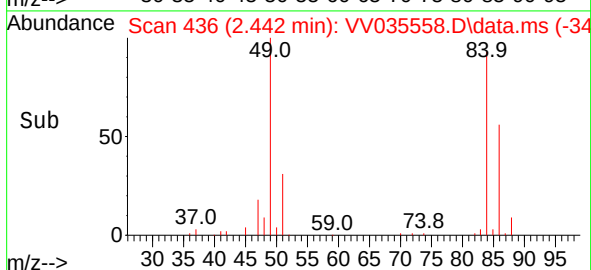
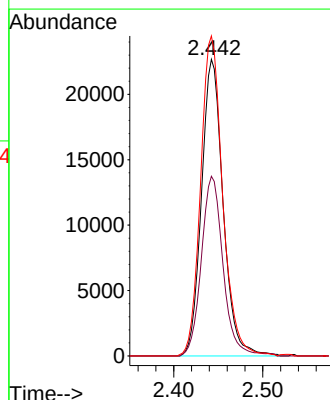
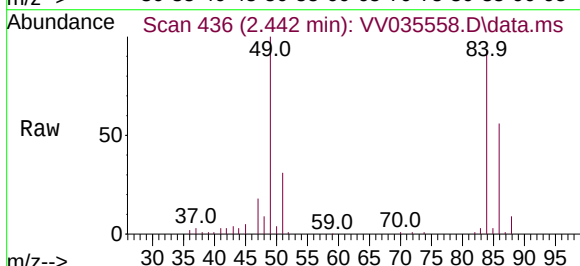
Tgt Ion: 84 Resp: 38225

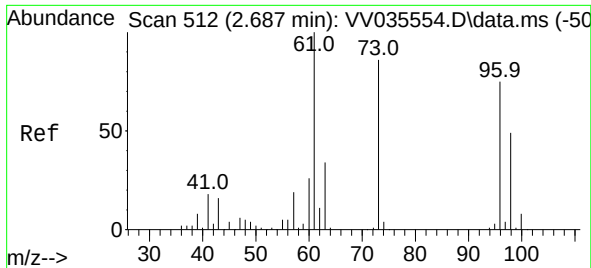
Ion Ratio Lower Upper

84 100

86 60.6 43.8 81.3

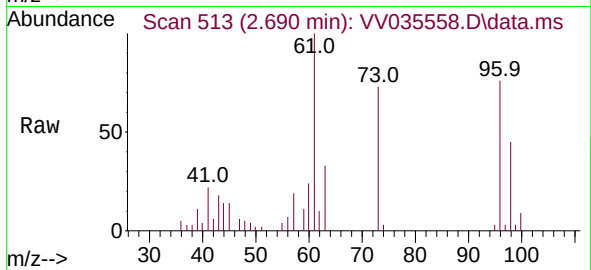
49 107.9 75.3 139.9



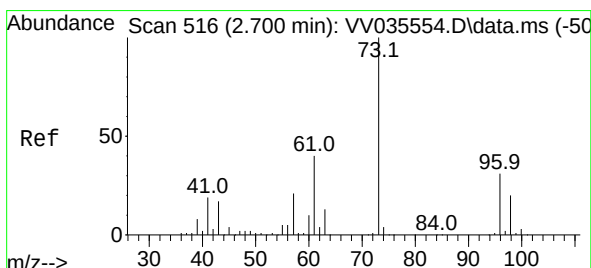
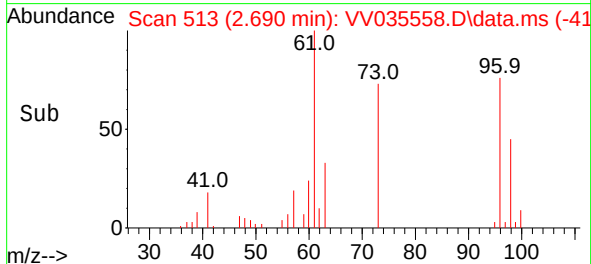
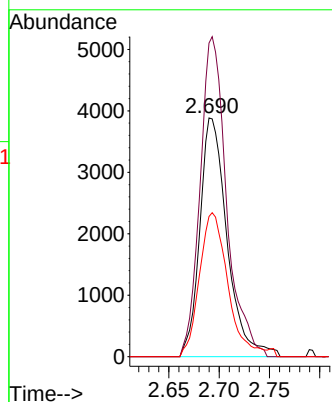


#17
trans-1,2-Dichloroethene
Concen: 1.095 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Instrument :
MSVOA_V
ClientSampleId :

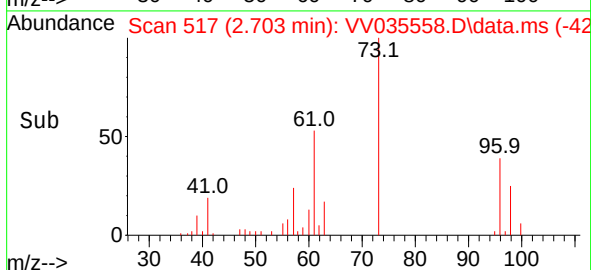
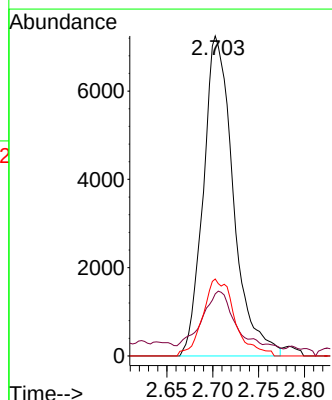
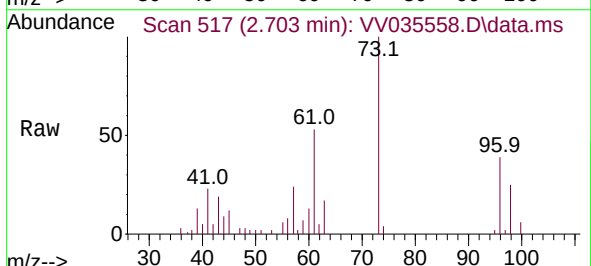


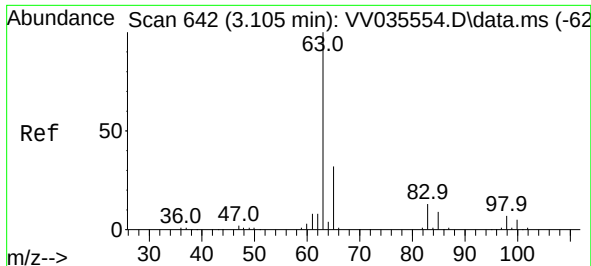
Tgt Ion: 96 Resp: 7329
Ion Ratio Lower Upper
96 100
61 131.4 95.5 177.4
98 58.7 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 1.020 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Tgt Ion: 73 Resp: 16476
Ion Ratio Lower Upper
73 100
43 16.4 13.3 19.9
57 14.9 17.4 26.2#

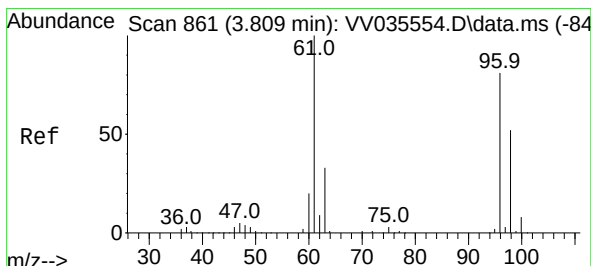
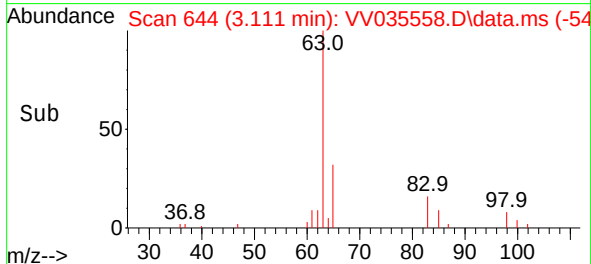
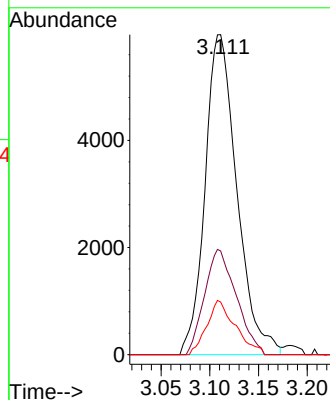
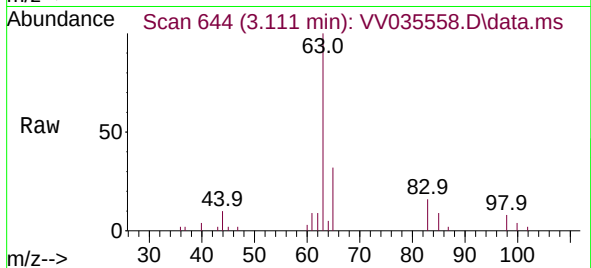




#19
1,1-Dichloroethane
Concen: 1.081 ug/L
RT: 3.111 min Scan# 64
Delta R.T. 0.006 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

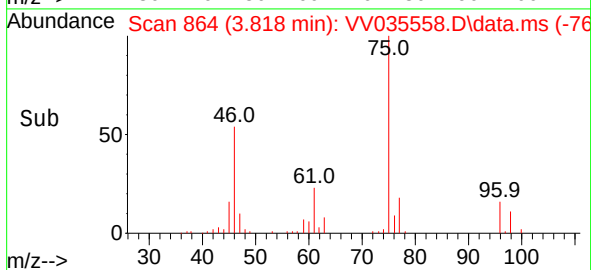
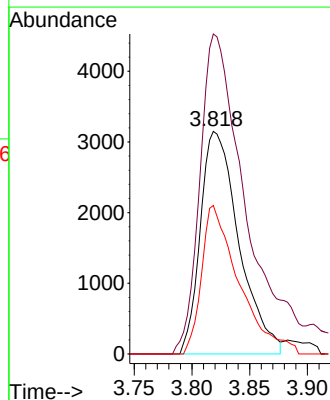
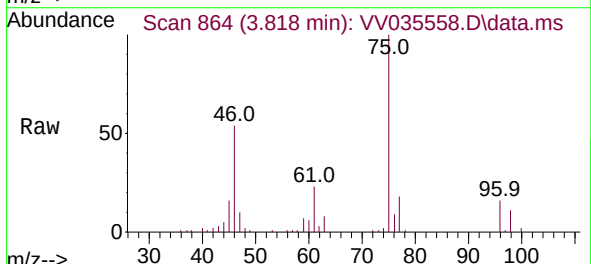
Instrument :
MSVOA_V
ClientSampleId :

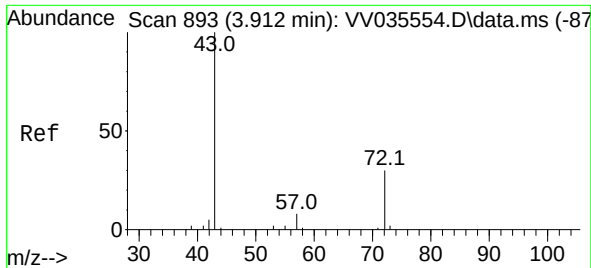
Tgt Ion: 63 Resp: 13568
Ion Ratio Lower Upper
63 100
65 32.4 22.7 42.3
83 16.5 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 1.009 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.010 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Tgt Ion: 96 Resp: 7319
Ion Ratio Lower Upper
96 100
61 143.7 83.9 155.9
98 66.7 44.0 81.8





#22

2-Butanone

Concen: 0.143 ug/L

RT: 3.928 min Scan# 893

Delta R.T. 0.016 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

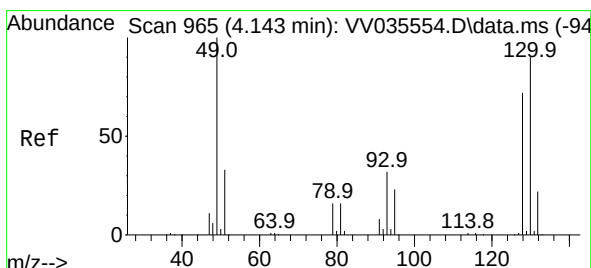
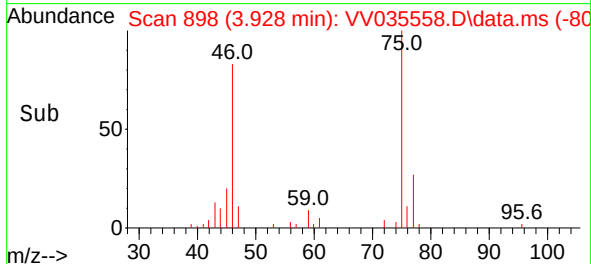
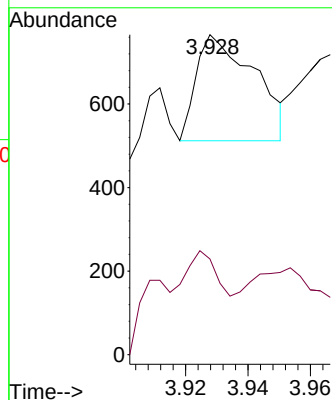
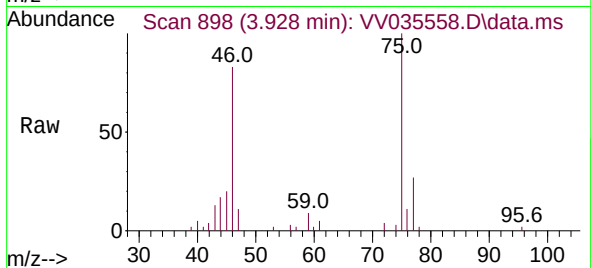
ClientSampleId :

Tgt Ion: 43 Resp: 328

Ion Ratio Lower Upper

43 100

72 34.1 12.3 36.9



#23

Bromochloromethane

Concen: 1.011 ug/L

RT: 4.156 min Scan# 969

Delta R.T. 0.013 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Tgt Ion: 128 Resp: 3547

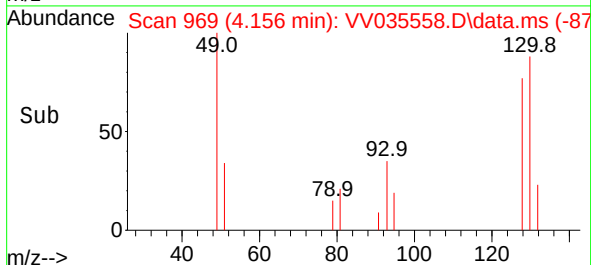
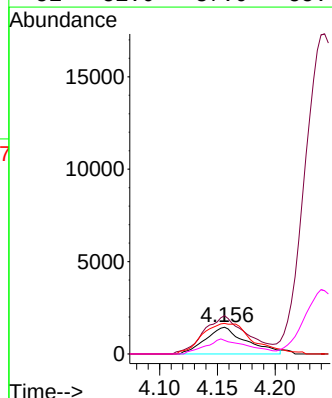
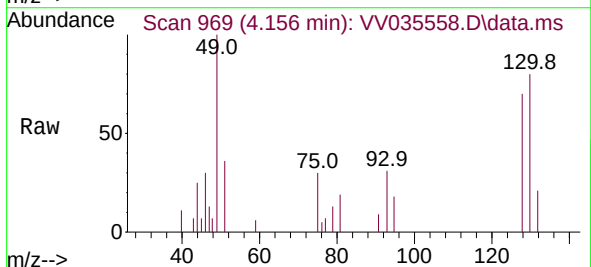
Ion Ratio Lower Upper

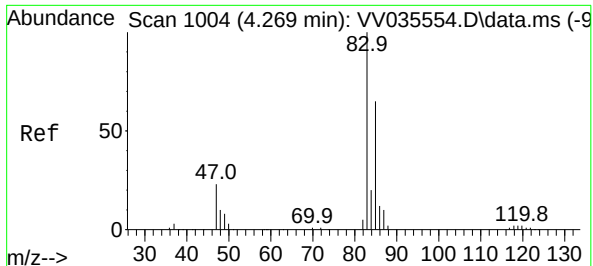
128 100

49 143.4 103.1 191.5

130 114.3 91.8 170.4

51 51.0 37.0 55.4





#25

Chloroform

Concen: 1.301 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

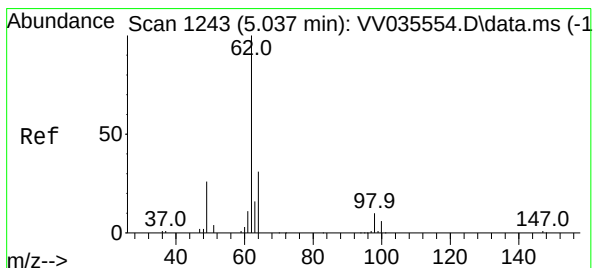
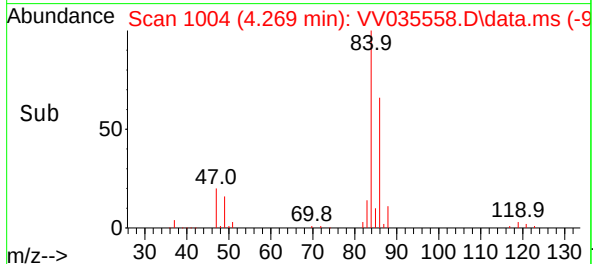
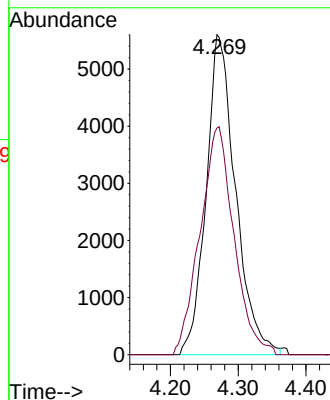
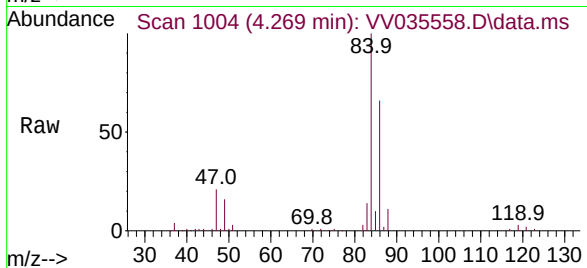
ClientSampleId :

Tgt Ion: 83 Resp: 16863

Ion Ratio Lower Upper

83 100

85 70.9 44.7 82.9



#27

1,2-Dichloroethane

Concen: 1.023 ug/L

RT: 5.060 min Scan# 1250

Delta R.T. 0.023 min

Lab File: VV035558.D

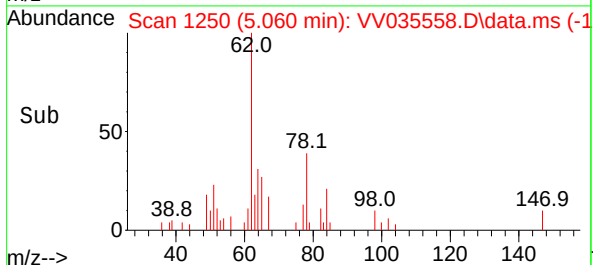
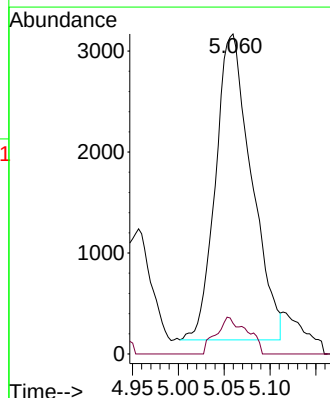
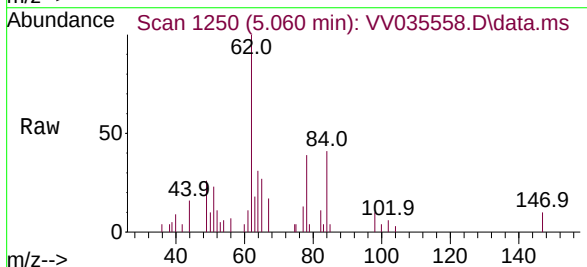
Acq: 08 May 2024 16:38

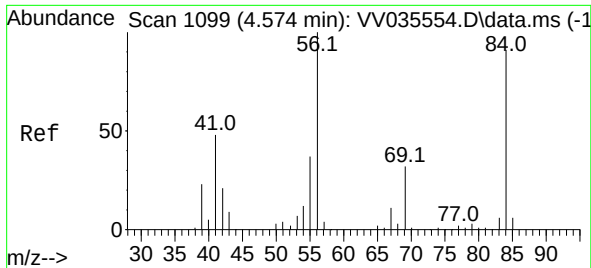
Tgt Ion: 62 Resp: 8253

Ion Ratio Lower Upper

62 100

98 9.6 8.2 12.2





#29

Cyclohexane

Concen: 0.903 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV035558.D

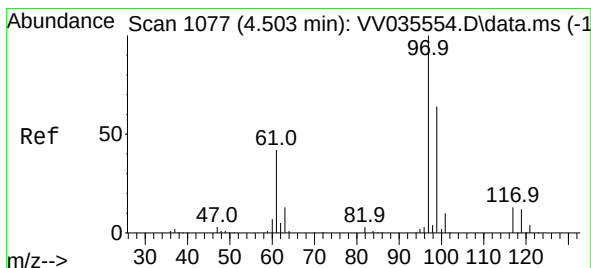
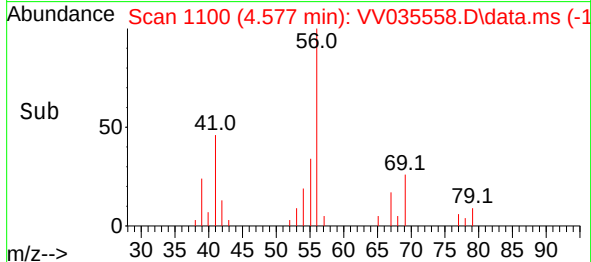
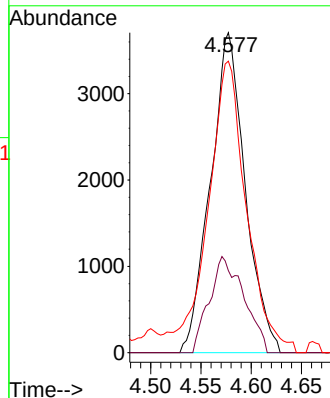
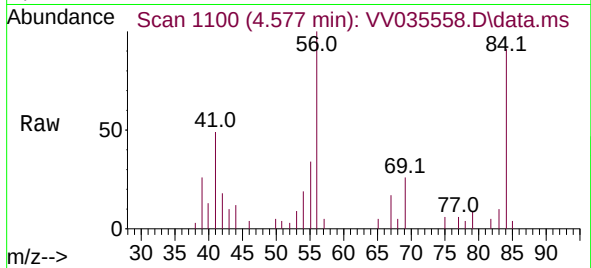
Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 56	Resp: 8930
Ion Ratio	Lower Upper
56	100
69	18.5 25.6 38.4#
84	93.0 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 1.032 ug/L

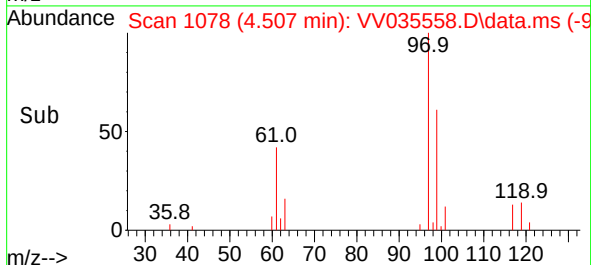
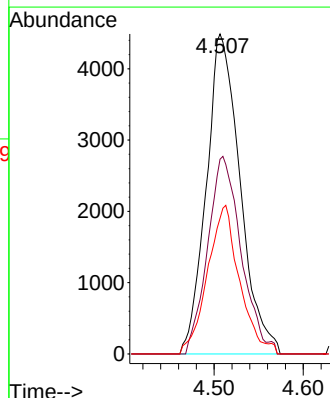
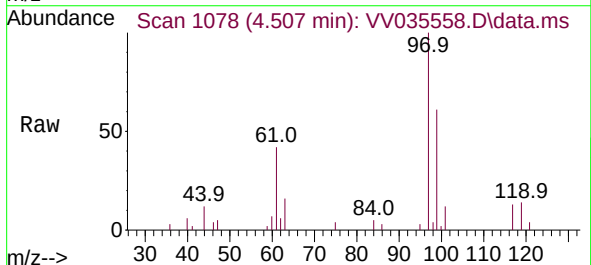
RT: 4.507 min Scan# 1078

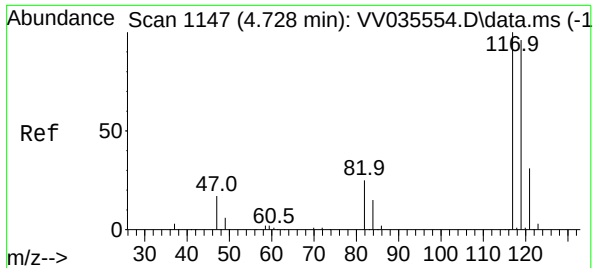
Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Tgt Ion: 97	Resp: 11830
Ion Ratio	Lower Upper
97	100
99	60.3 51.7 77.5
61	43.5 33.5 50.3

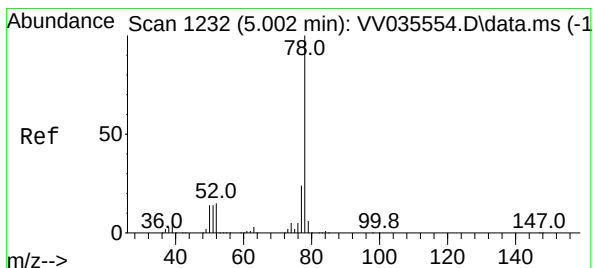
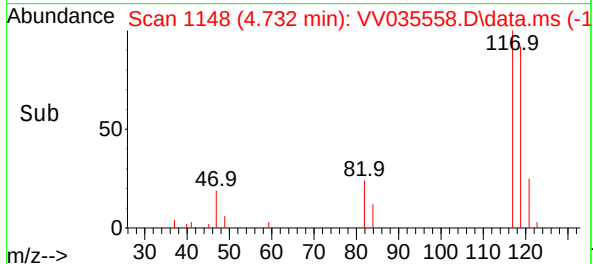
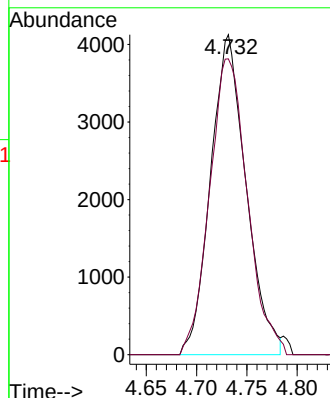
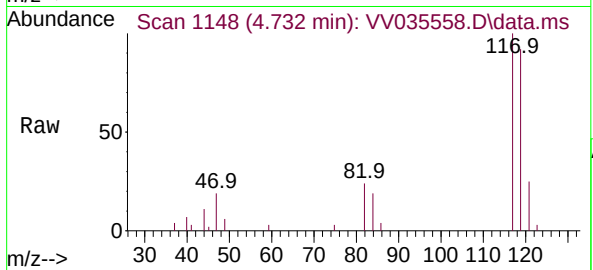




#31
Carbon tetrachloride
Concen: 1.007 ug/L
RT: 4.732 min Scan# 1147
Delta R.T. 0.003 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

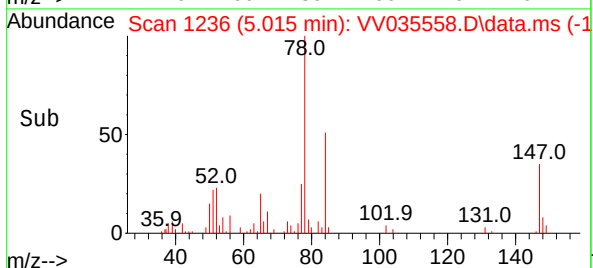
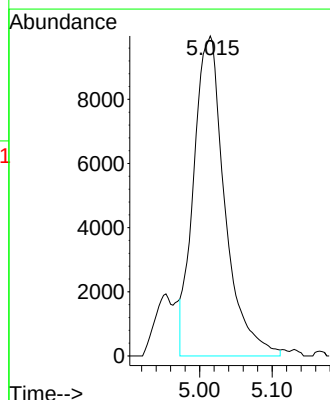
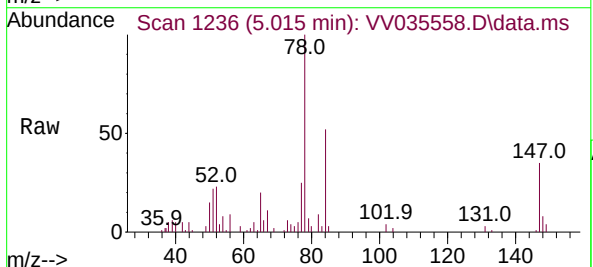
Instrument :
MSVOA_V
ClientSampleId :

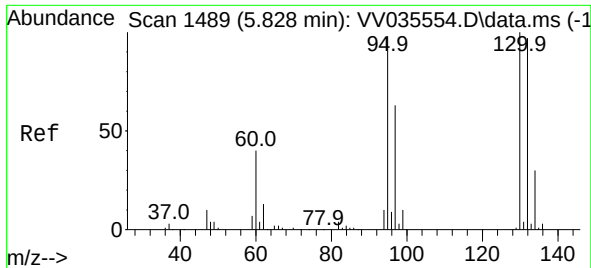
Tgt Ion:117 Resp: 10129
Ion Ratio Lower Upper
117 100
119 98.3 77.3 115.9



#33
Benzene
Concen: 1.089 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.013 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

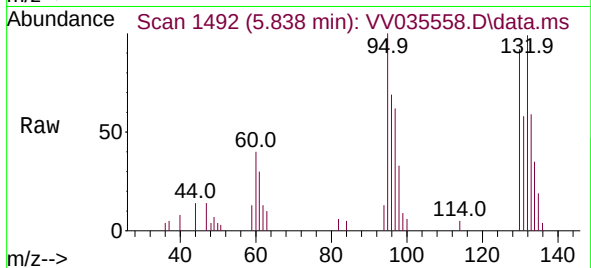
Tgt Ion: 78 Resp: 29804





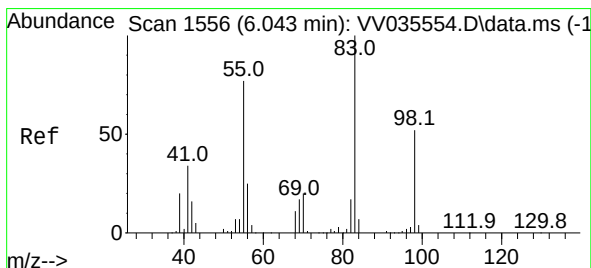
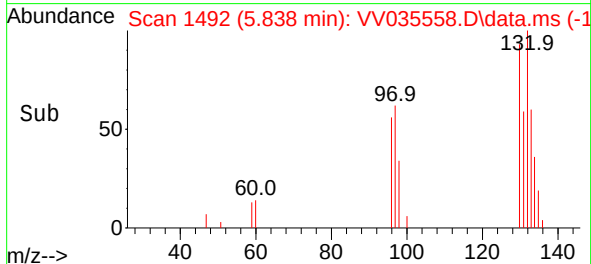
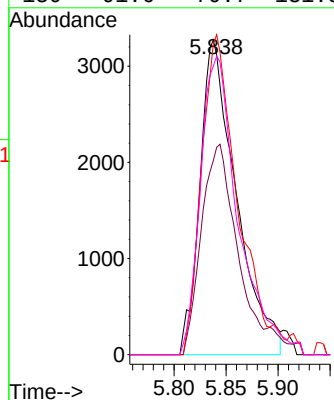
#34
Trichloroethene
Concen: 1.025 ug/L
RT: 5.838 min Scan# 1489
Delta R.T. 0.010 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 7932

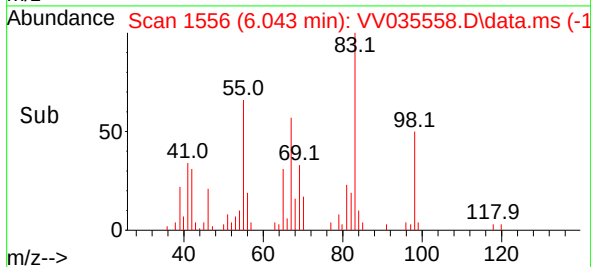
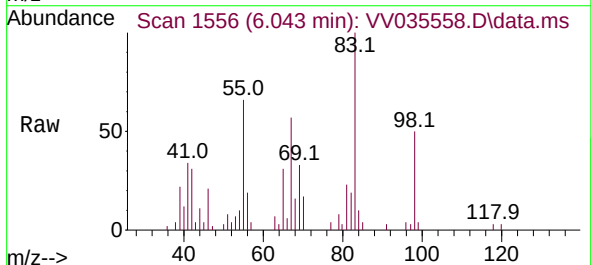
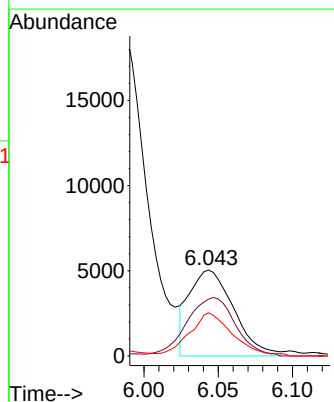
Ion	Ratio	Lower	Upper
95	100		
97	61.7	43.8	81.4
132	98.7	67.1	124.7
130	91.6	70.7	131.3

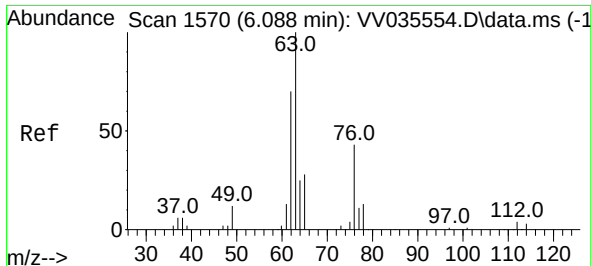


#35
Methylcyclohexane
Concen: 0.892 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Tgt Ion: 83 Resp: 10483

Ion	Ratio	Lower	Upper
83	100		
55	74.5	57.5	86.3
98	44.5	38.6	58.0





#37

1,2-Dichloropropane

Concen: 1.118 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

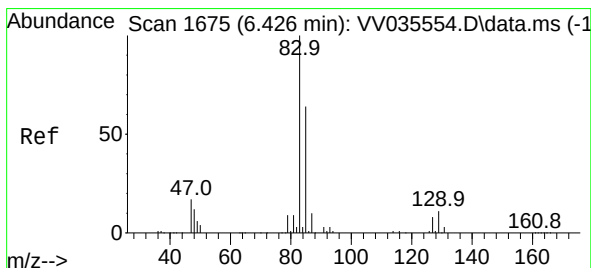
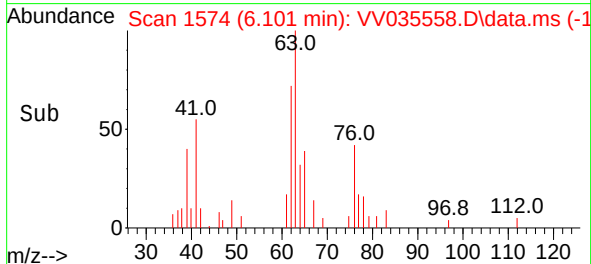
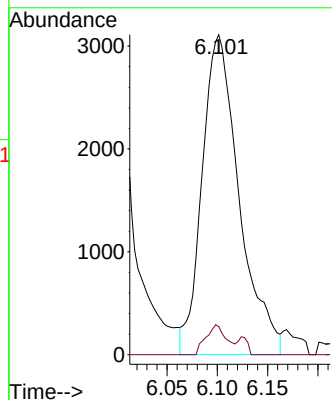
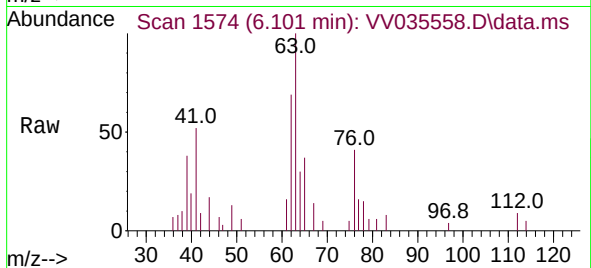
ClientSampleId :

Tgt Ion: 63 Resp: 7980

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 1.032 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.013 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

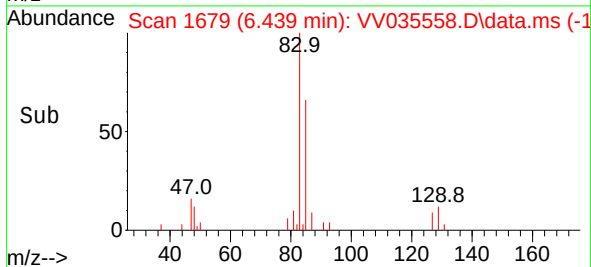
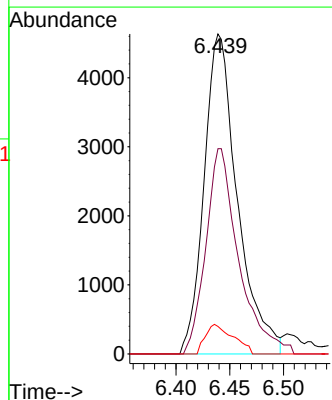
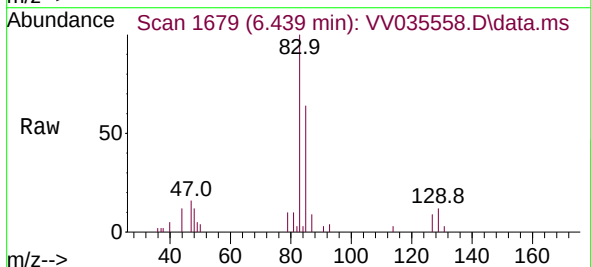
Tgt Ion: 83 Resp: 9980

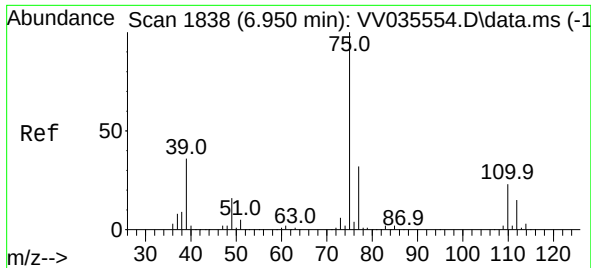
Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

127 8.6 7.0 10.6

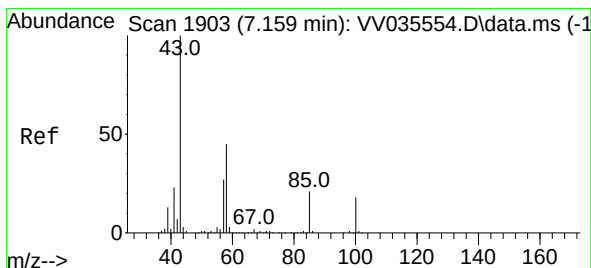
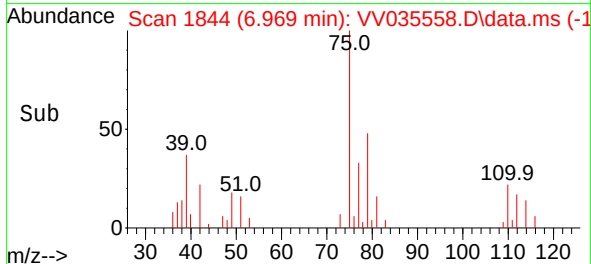
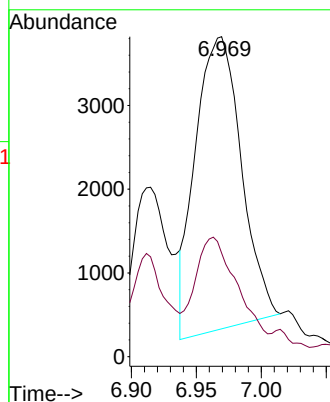
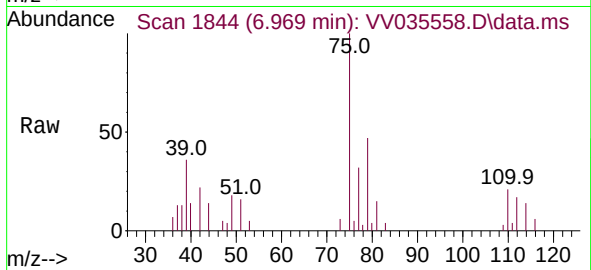




#39
 cis-1,3-Dichloropropene
 Concen: 0.771 ug/L
 RT: 6.969 min Scan# 11
 Delta R.T. 0.019 min
 Lab File: VV035558.D
 Acq: 08 May 2024 16:38

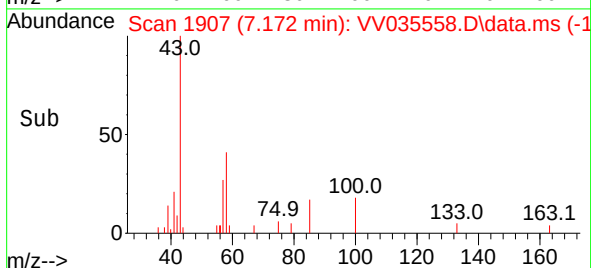
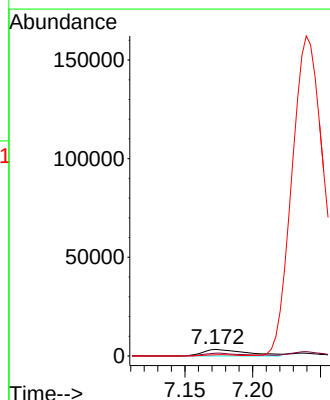
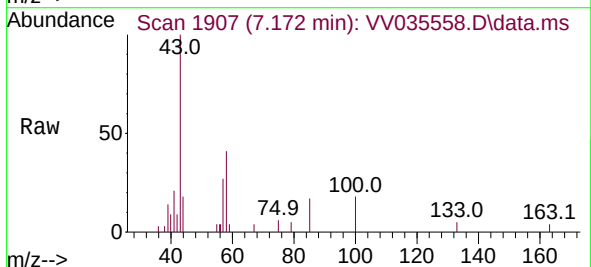
Instrument :
 MSVOA_V
 ClientSampleId :

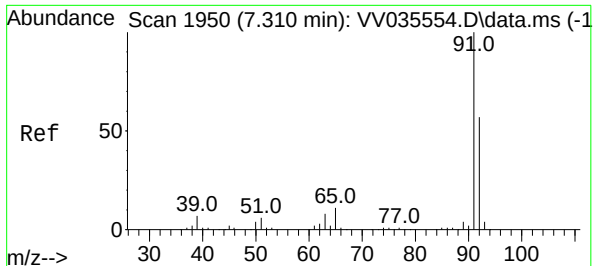
Tgt Ion: 75 Resp: 8614
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 1.759 ug/L
 RT: 7.172 min Scan# 1907
 Delta R.T. 0.013 min
 Lab File: VV035558.D
 Acq: 08 May 2024 16:38

Tgt Ion: 43 Resp: 7522
 Ion Ratio Lower Upper
 43 100
 58 38.9 34.8 52.2
 100 12.9 13.9 20.9#





#42

Toluene

Concen: 0.995 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

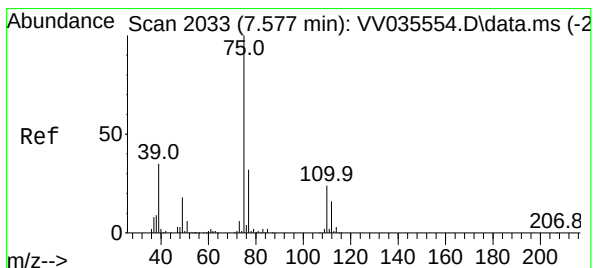
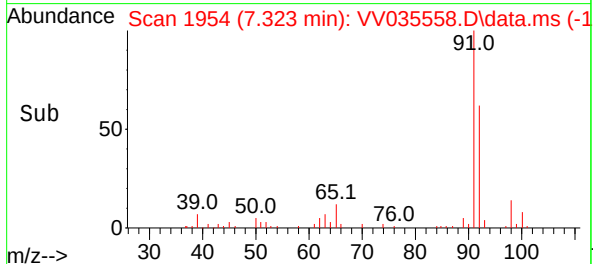
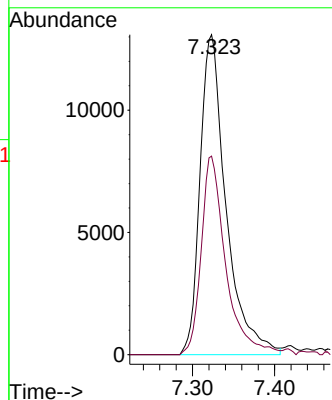
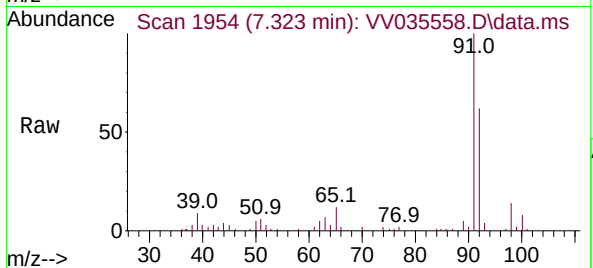
ClientSampleId :

Tgt Ion: 91 Resp: 28824

Ion Ratio Lower Upper

91 100

92 62.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 1.045 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.013 min

Lab File: VV035558.D

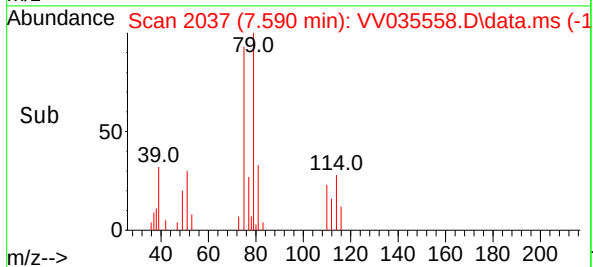
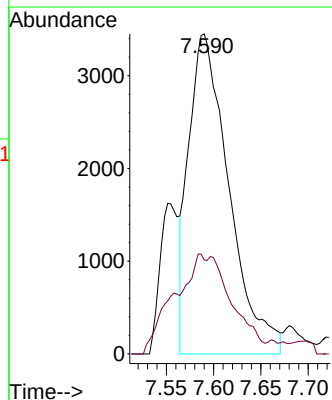
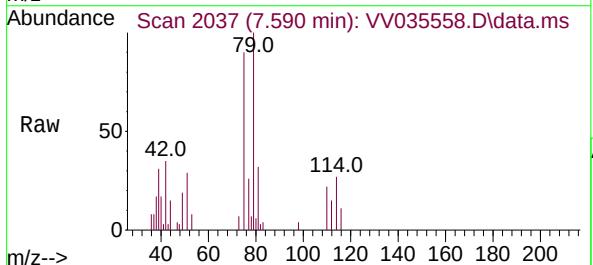
Acq: 08 May 2024 16:38

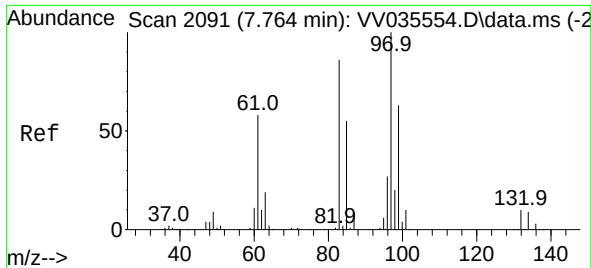
Tgt Ion: 75 Resp: 10211

Ion Ratio Lower Upper

75 100

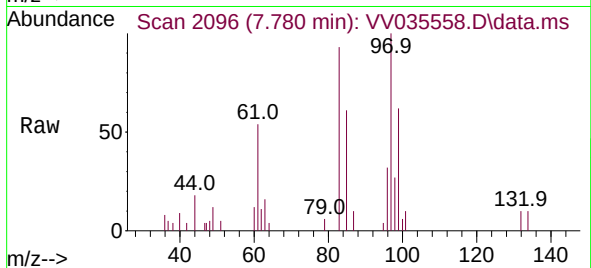
77 29.3 22.4 41.6



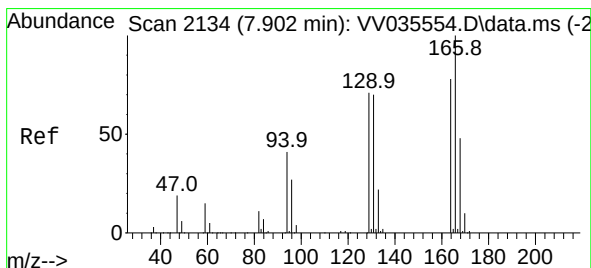
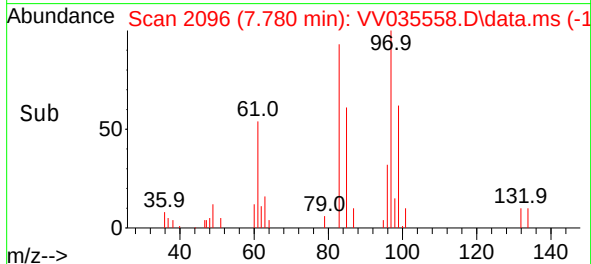
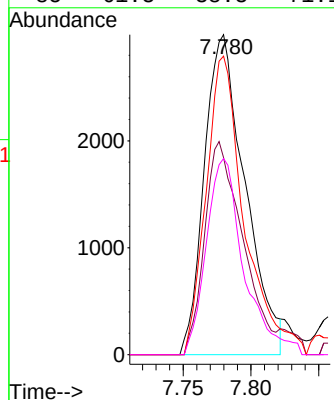


#45
1,1,2-Trichloroethane
Concen: 1.030 ug/L
RT: 7.780 min Scan# 2091
Delta R.T. 0.016 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Instrument :
MSVOA_V
ClientSampleId :

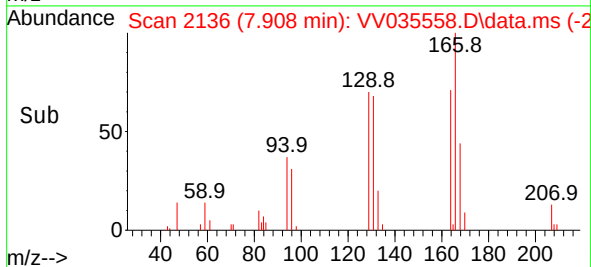
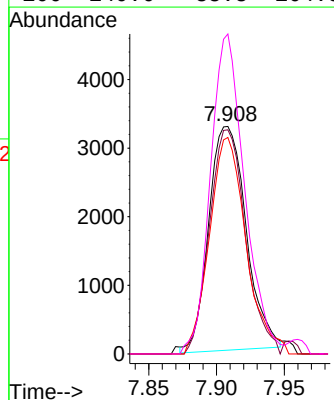
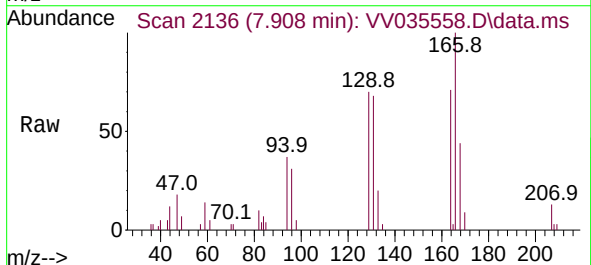


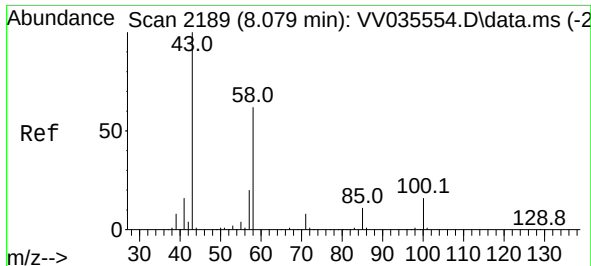
Tgt Ion:	97	Resp:	6252
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.3	80.3
83	93.3	60.3	111.9
85	61.3	38.3	71.1



#46
Tetrachloroethene
Concen: 0.995 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Tgt Ion:	164	Resp:	6259
Ion	Ratio	Lower	Upper
164	100		
129	98.5	63.4	117.8
131	95.1	61.0	113.4
166	140.6	88.8	164.8





#48

2-Hexanone

Concen: 1.131 ug/L

RT: 8.098 min Scan# 2189

Delta R.T. 0.019 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 3628

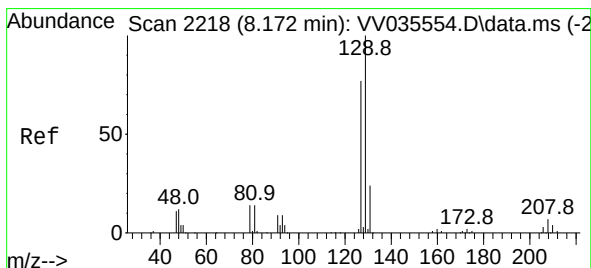
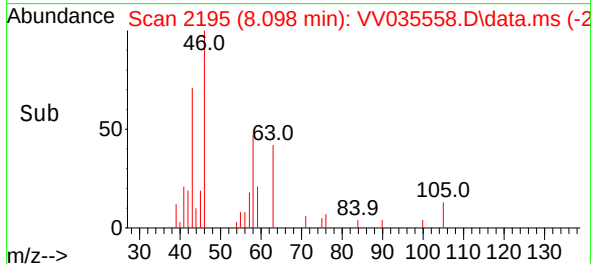
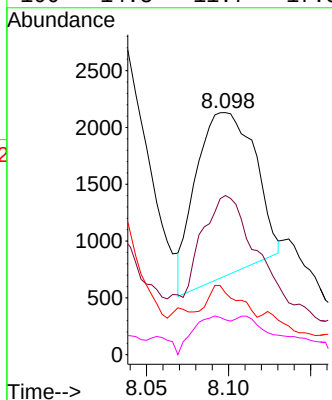
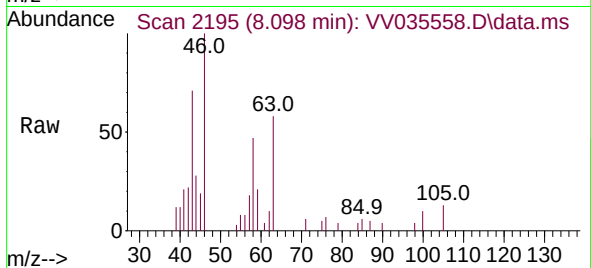
Ion Ratio Lower Upper

43 100

58 70.0 48.8 73.2

57 22.1 16.9 25.3

100 14.3 11.7 17.5



#49

Dibromochloromethane

Concen: 1.069 ug/L

RT: 8.178 min Scan# 2220

Delta R.T. 0.006 min

Lab File: VV035558.D

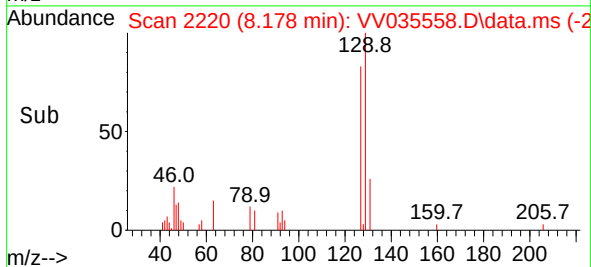
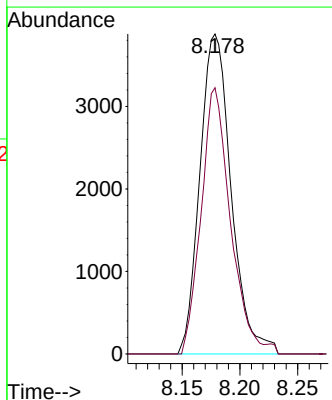
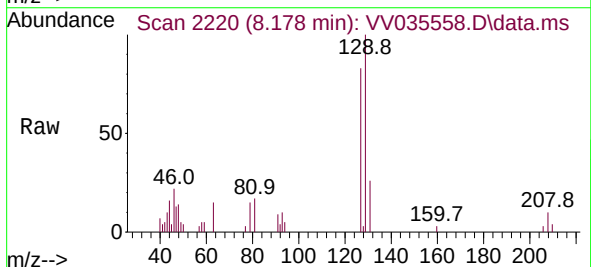
Acq: 08 May 2024 16:38

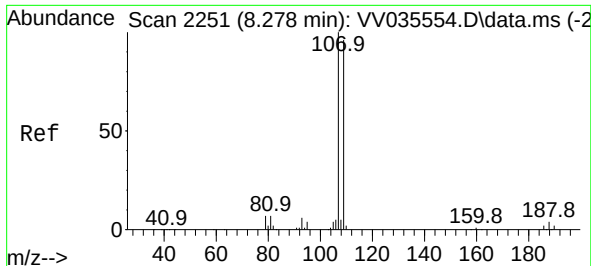
Tgt Ion: 129 Resp: 7316

Ion Ratio Lower Upper

129 100

127 83.2 53.8 99.8





#50

1,2-Dibromoethane

Concen: 1.073 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV035558.D

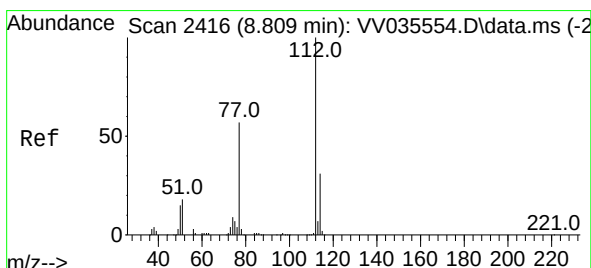
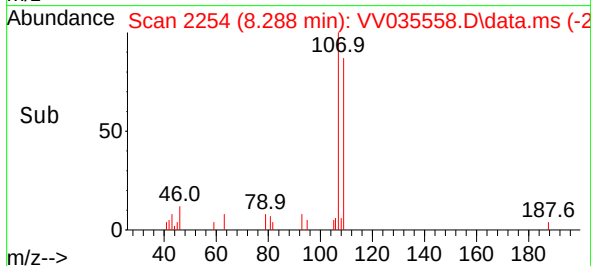
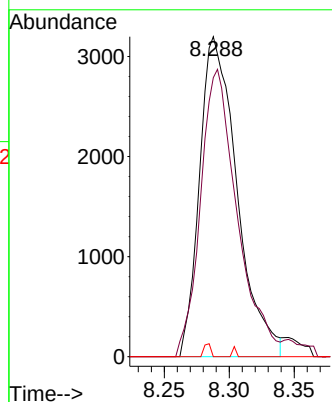
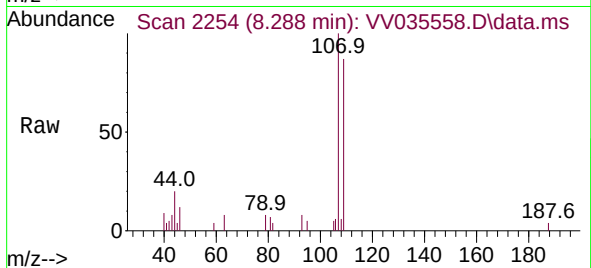
Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	6414
Ion Ratio	Lower	Upper
107	100	
109	87.2	65.4 121.4
188	0.0	2.9 4.3#



#51

Chlorobenzene

Concen: 1.048 ug/L

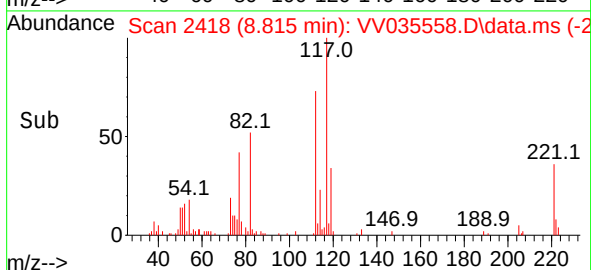
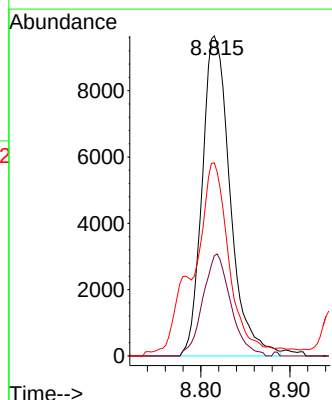
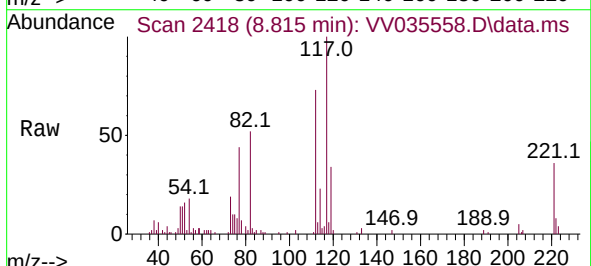
RT: 8.815 min Scan# 2418

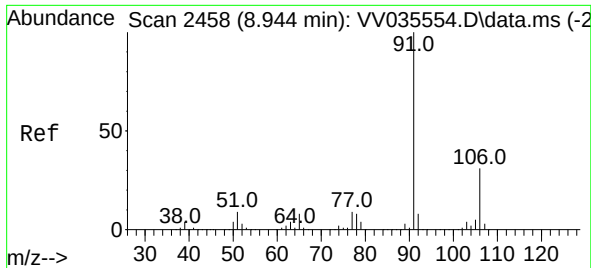
Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Tgt Ion:112	Resp:	21052
Ion Ratio	Lower	Upper
112	100	
114	31.3	22.5 41.7
77	60.3	46.6 69.8





#52

Ethylbenzene

Concen: 0.911 ug/L

RT: 8.950 min Scan# 2458

Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

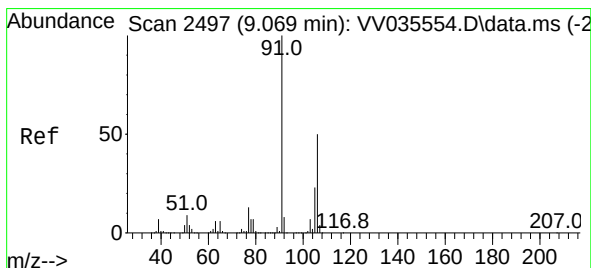
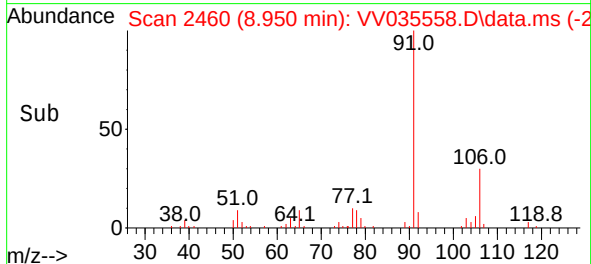
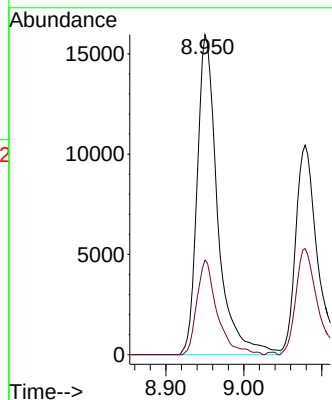
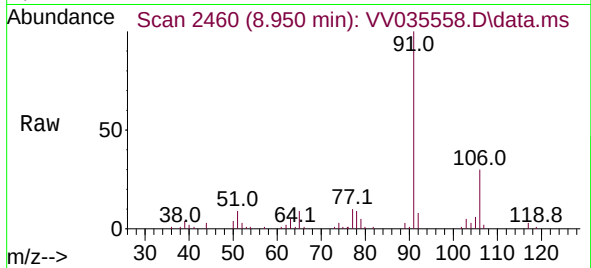
ClientSampleId :

Tgt Ion: 91 Resp: 29117

Ion Ratio Lower Upper

91 100

106 29.6 21.7 40.3



#53

m,p-Xylene

Concen: 0.850 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.010 min

Lab File: VV035558.D

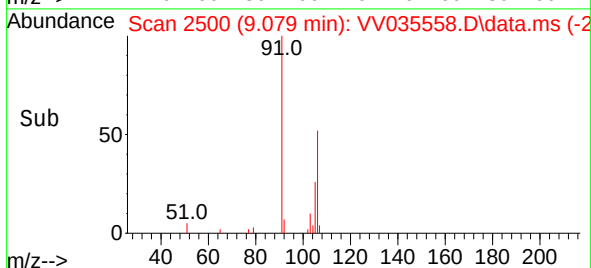
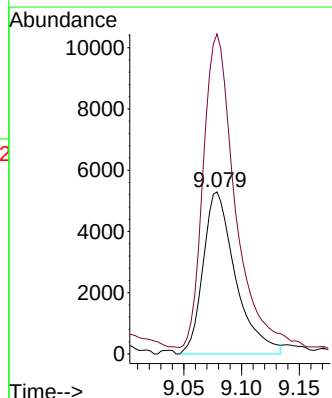
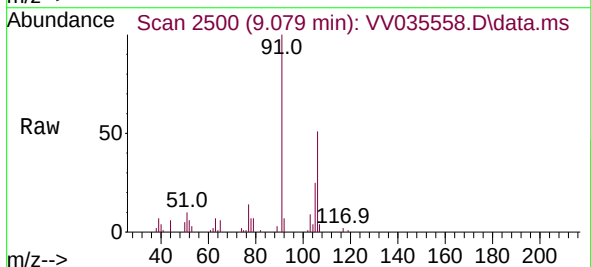
Acq: 08 May 2024 16:38

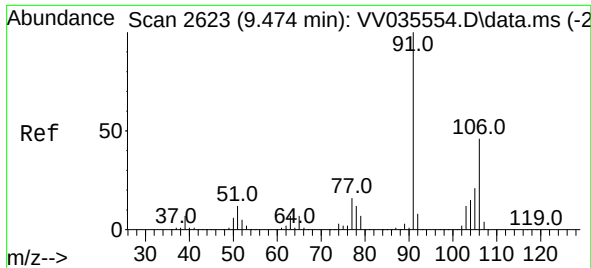
Tgt Ion:106 Resp: 10312

Ion Ratio Lower Upper

106 100

91 197.5 142.7 264.9





#54

o-Xylene

Concen: 0.804 ug/L

RT: 9.481 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

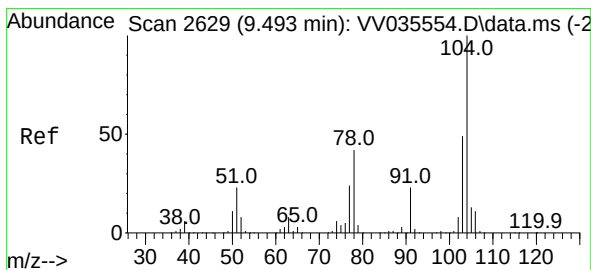
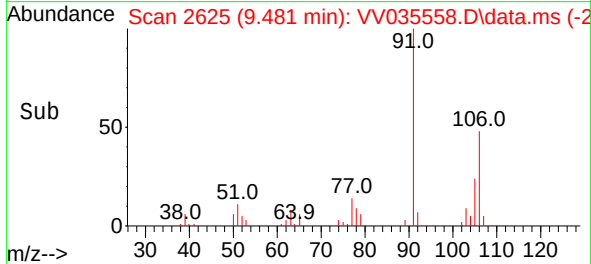
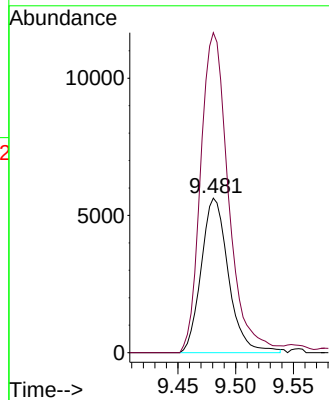
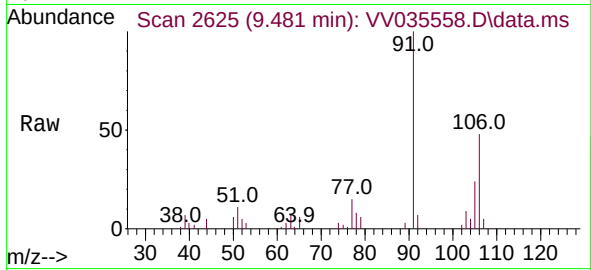
ClientSampleId :

Tgt Ion:106 Resp: 9242

Ion Ratio Lower Upper

106 100

91 207.1 150.9 280.3



#55

Styrene

Concen: 0.689 ug/L

RT: 9.506 min Scan# 2633

Delta R.T. 0.013 min

Lab File: VV035558.D

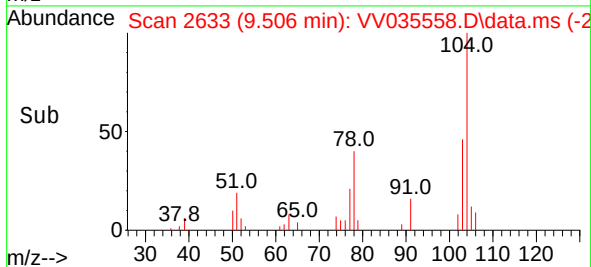
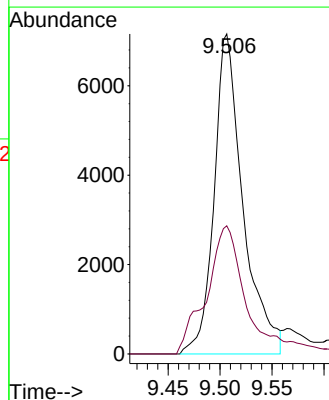
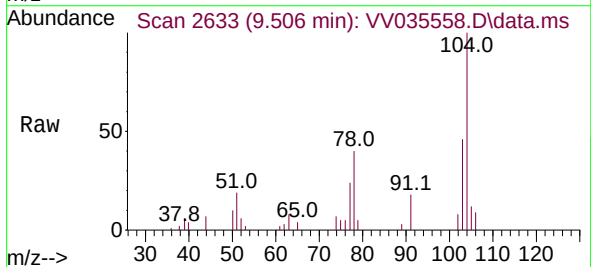
Acq: 08 May 2024 16:38

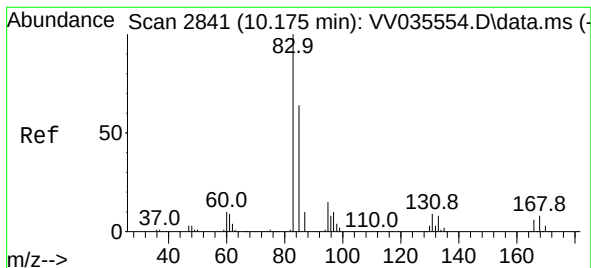
Tgt Ion:104 Resp: 13812

Ion Ratio Lower Upper

104 100

78 40.0 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 1.127 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

ClientSampleId :

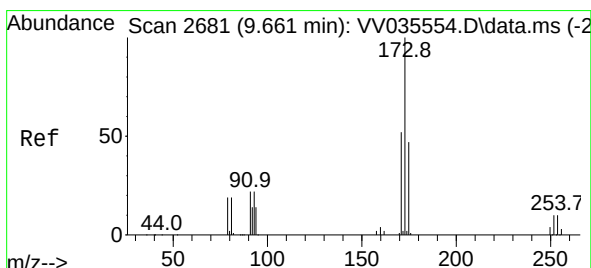
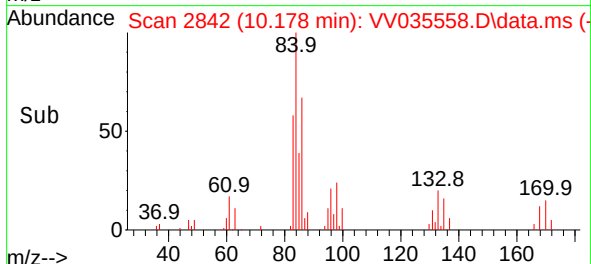
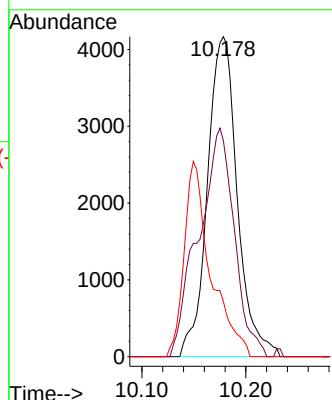
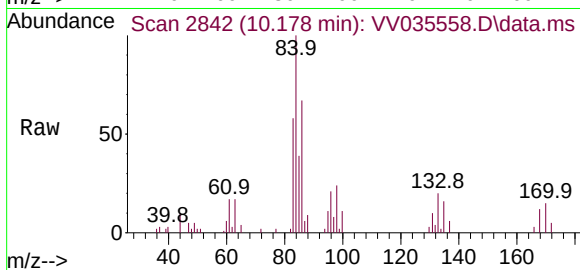
Tgt Ion: 83 Resp: 8328

Ion Ratio Lower Upper

83 100

85 67.5 44.7 83.1

131 17.2 8.0 12.0#



#59

Bromoform

Concen: 1.065 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.010 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

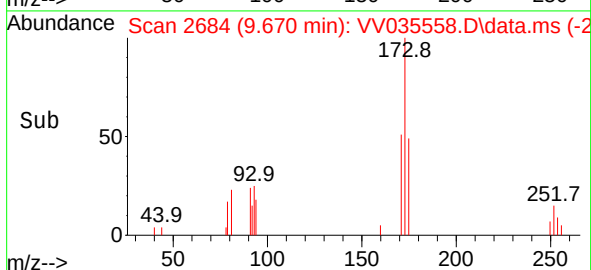
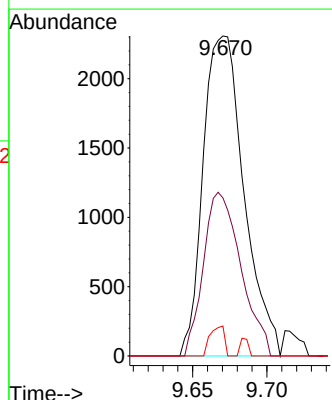
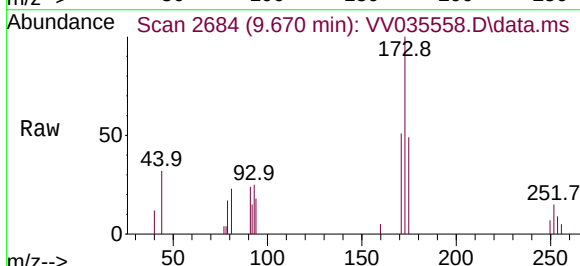
Tgt Ion:173 Resp: 4413

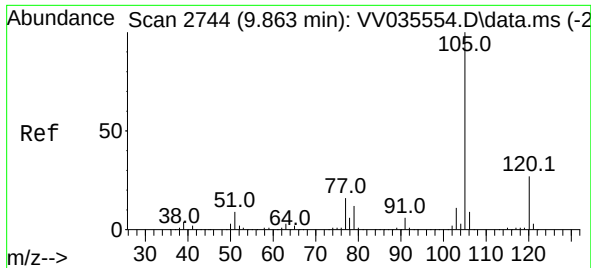
Ion Ratio Lower Upper

173 100

175 47.0 38.7 58.1

254 3.2 8.3 12.5#

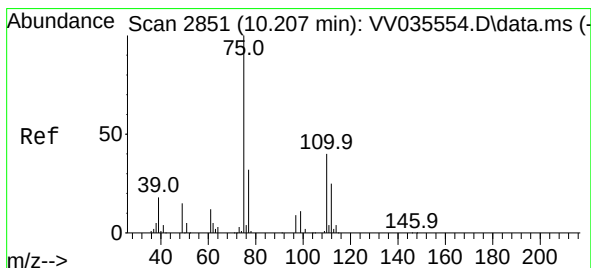
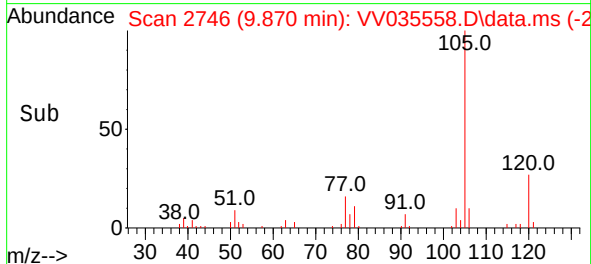
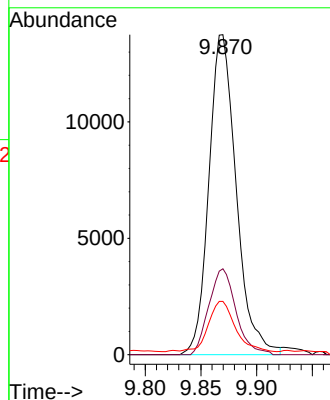
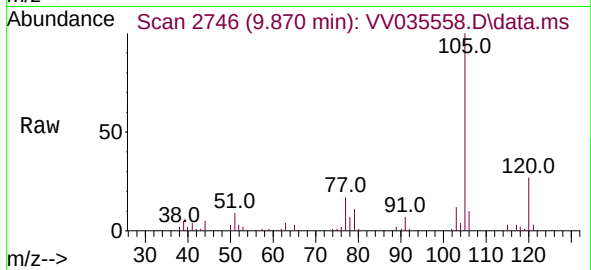




#60
Isopropylbenzene
Concen: 0.837 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

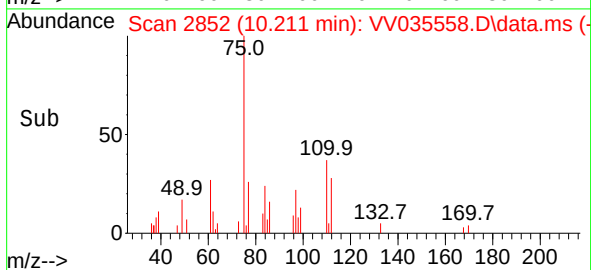
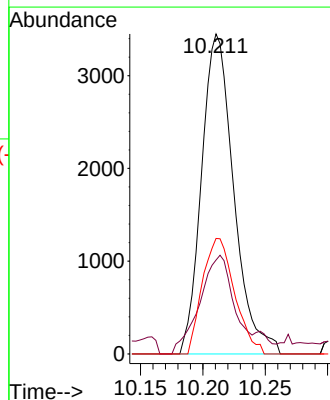
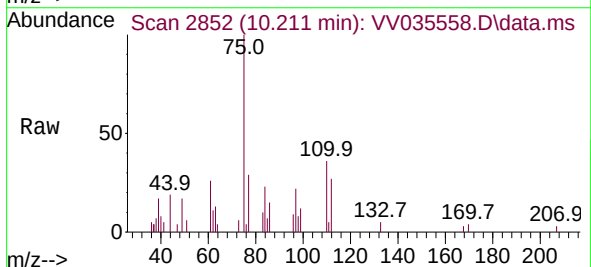
Instrument :
MSVOA_V
ClientSampleId :

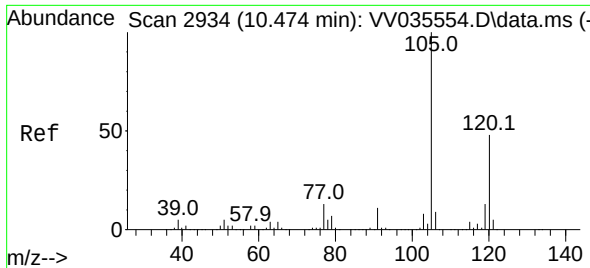
Tgt Ion:105 Resp: 23523
Ion Ratio Lower Upper
105 100
120 26.5 21.3 31.9
77 15.1 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 1.255 ug/L
RT: 10.211 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Tgt Ion: 75 Resp: 6203
Ion Ratio Lower Upper
75 100
77 32.9 25.7 38.5
110 36.0 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 0.776 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

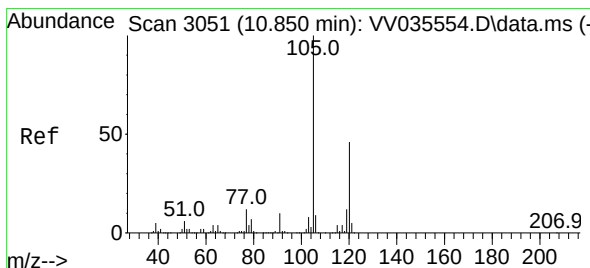
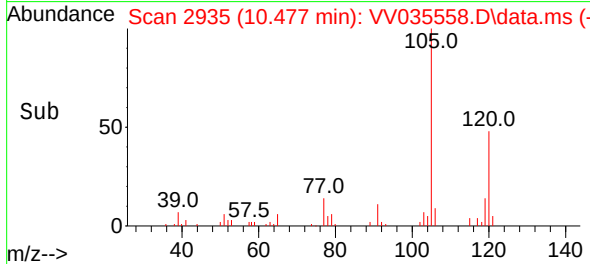
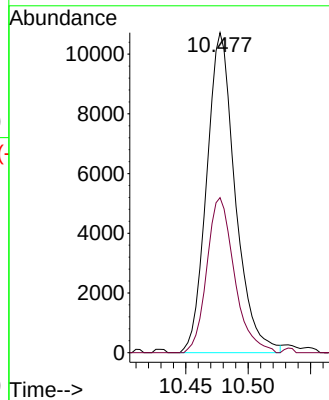
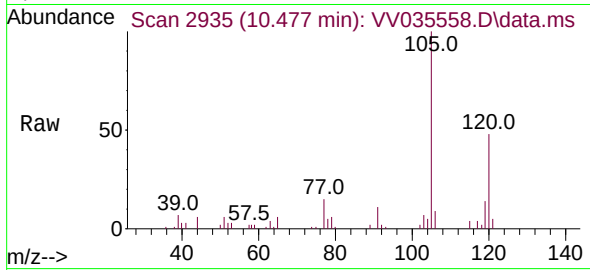
ClientSampleId :

Tgt Ion:105 Resp: 17106

Ion Ratio Lower Upper

105 100

120 46.7 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 0.780 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV035558.D

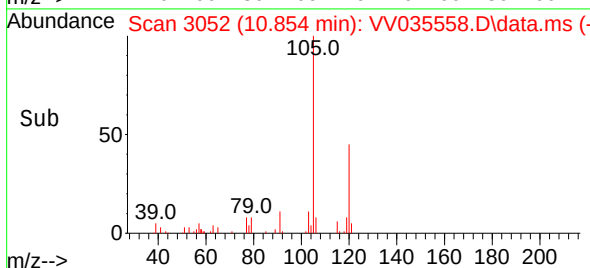
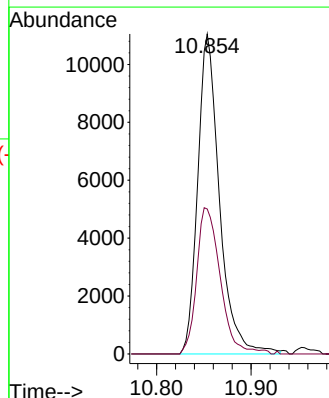
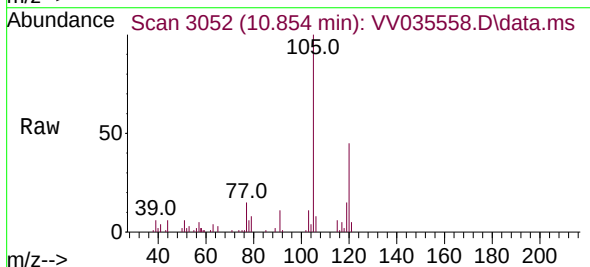
Acq: 08 May 2024 16:38

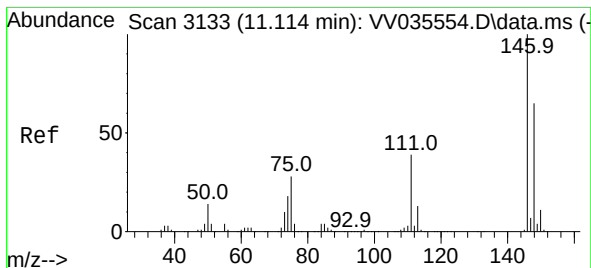
Tgt Ion:105 Resp: 17663

Ion Ratio Lower Upper

105 100

120 48.6 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 1.016 ug/L

RT: 11.120 min Scan# 3133

Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

ClientSampleId :

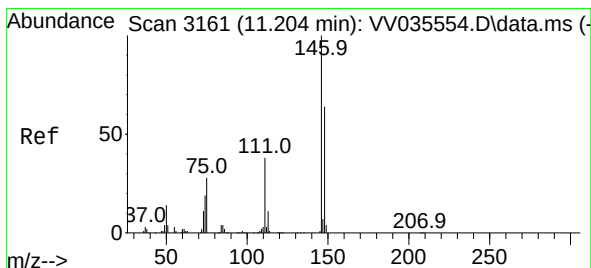
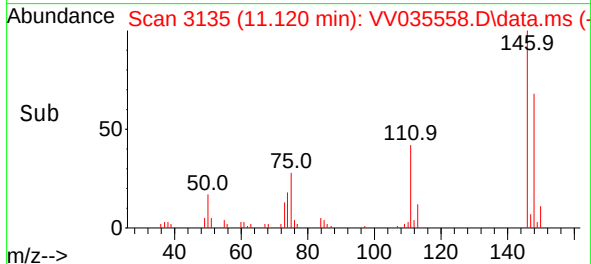
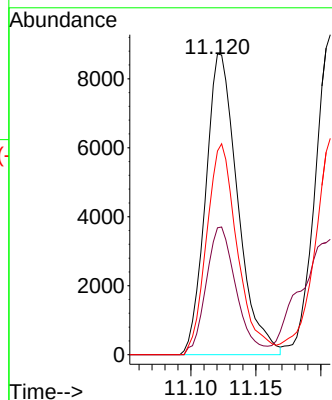
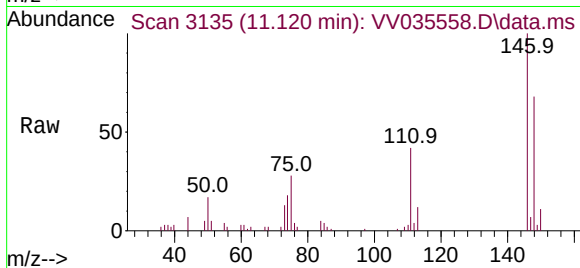
Tgt Ion:146 Resp: 14980

Ion Ratio Lower Upper

146 100

111 42.2 27.0 50.2

148 67.7 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 1.106 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

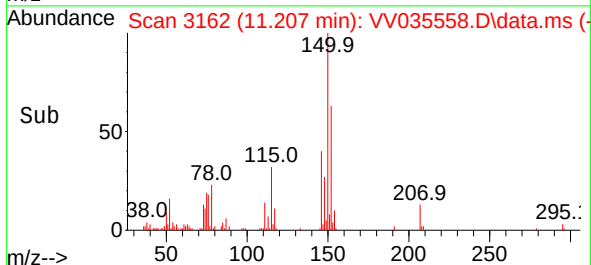
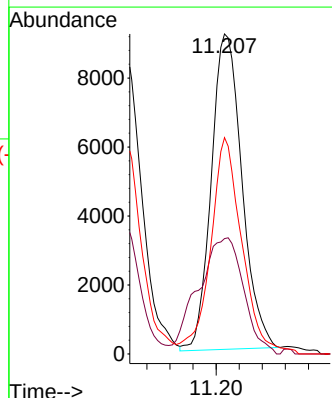
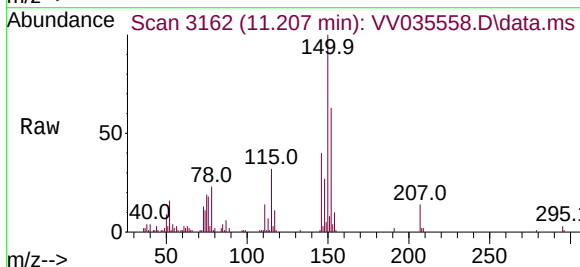
Tgt Ion:146 Resp: 16876

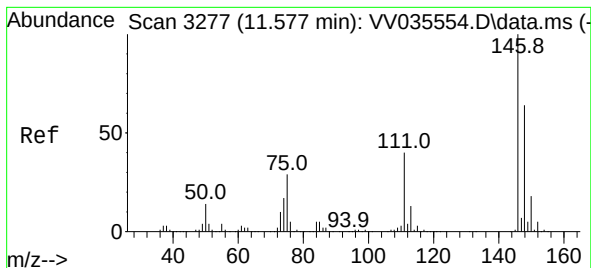
Ion Ratio Lower Upper

146 100

111 36.0 26.2 48.6

148 67.6 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 1.218 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

ClientSampleId :

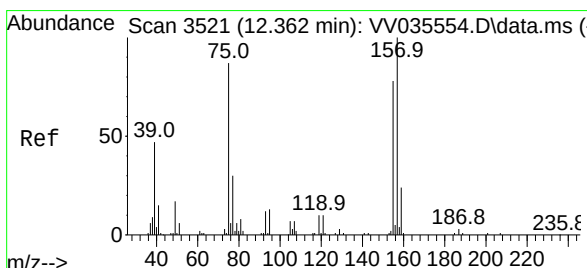
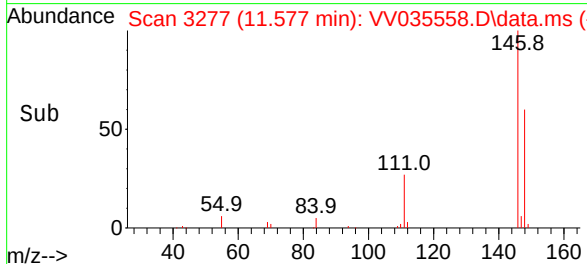
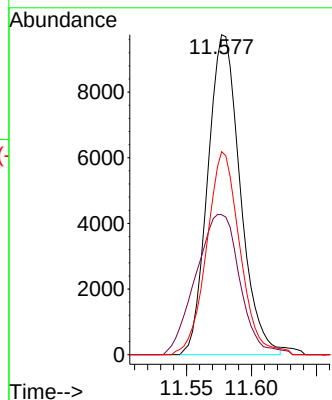
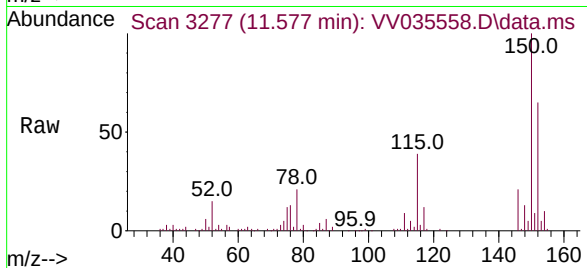
Tgt Ion:146 Resp: 16902

Ion Ratio Lower Upper

146 100

111 43.7 32.6 48.8

148 63.4 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 1.290 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.006 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

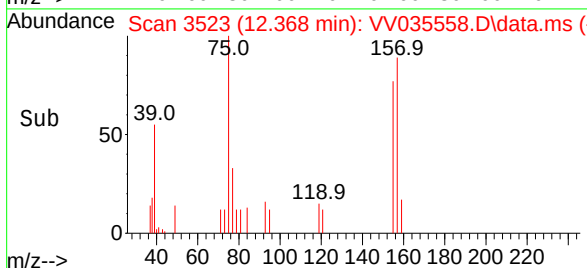
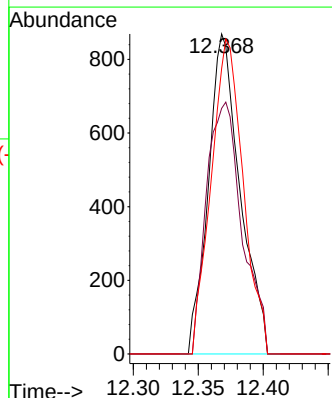
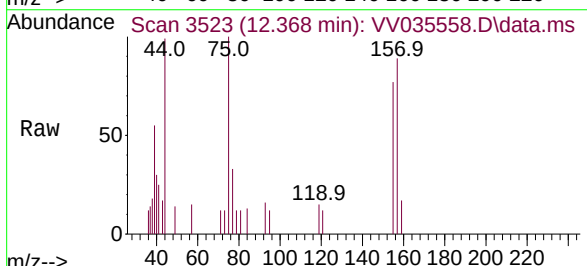
Tgt Ion: 75 Resp: 1479

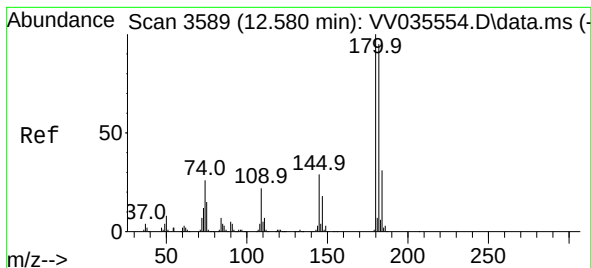
Ion Ratio Lower Upper

75 100

155 76.8 69.8 104.6

157 89.2 95.0 142.6#





#69

1,3,5-Trichlorobenzene

Concen: 1.012 ug/L

RT: 12.583 min Scan# 3589

Delta R.T. 0.003 min

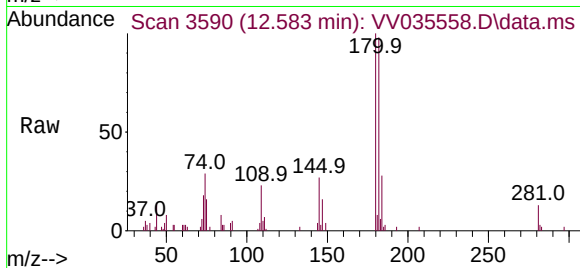
Lab File: VV035558.D

Acq: 08 May 2024 16:38

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 11662

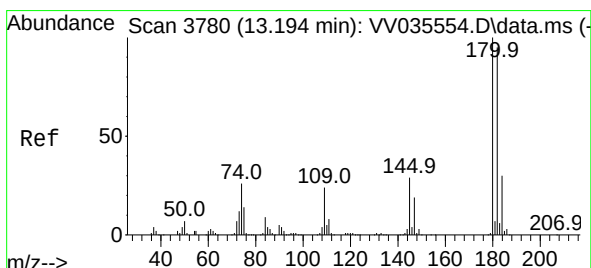
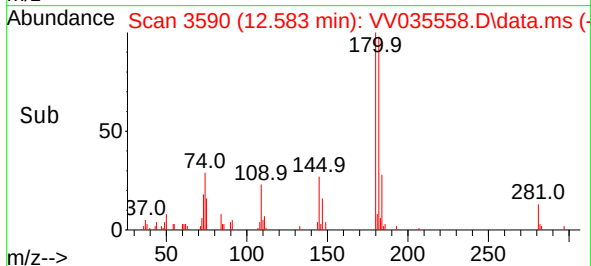
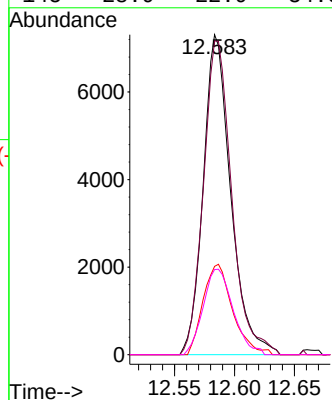
Ion Ratio Lower Upper

180 100

182 100.9 76.2 114.2

184 29.9 24.1 36.1

145 28.9 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 1.024 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.010 min

Lab File: VV035558.D

Acq: 08 May 2024 16:38

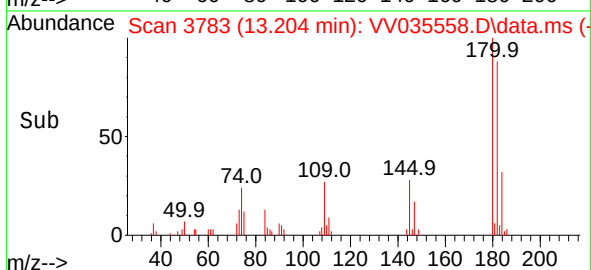
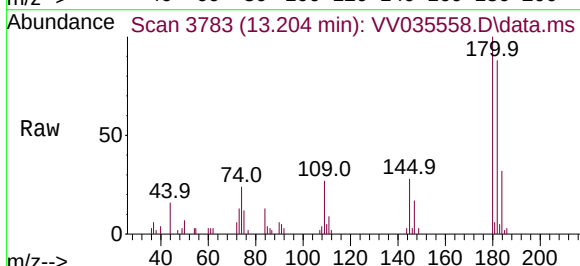
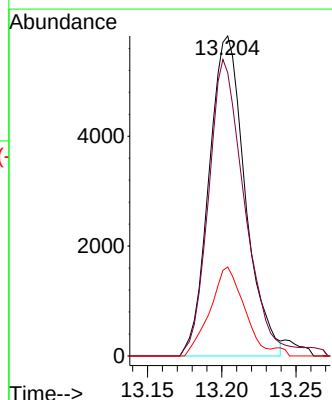
Tgt Ion:180 Resp: 9856

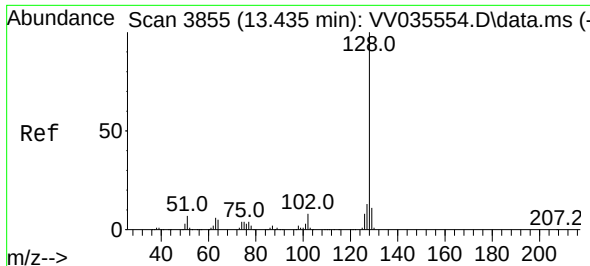
Ion Ratio Lower Upper

180 100

182 92.7 76.6 114.8

145 26.1 23.2 34.8

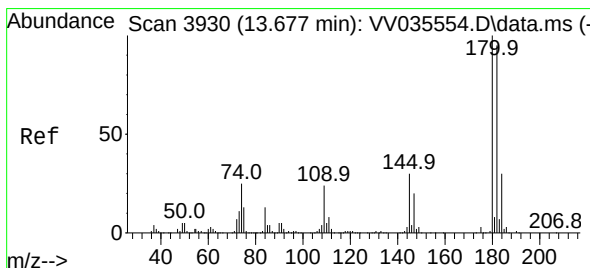
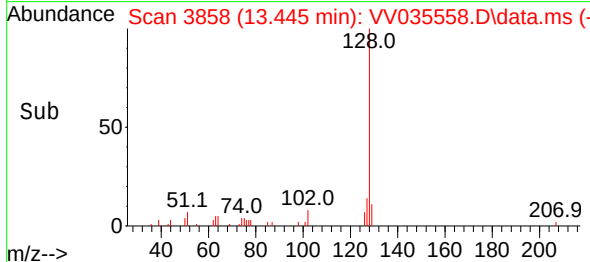
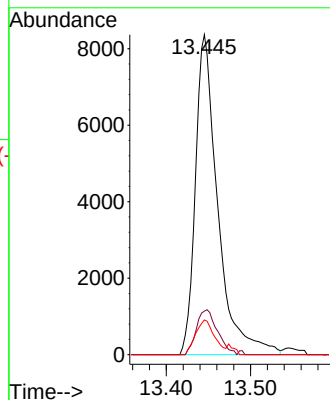
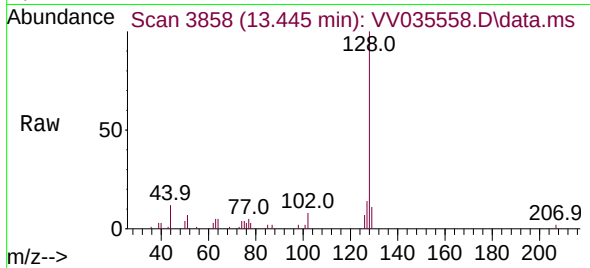




#71
Naphthalene
Concen: 0.915 ug/L
RT: 13.445 min Scan# 3855
Delta R.T. 0.010 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:128 Resp: 15453
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 9.2 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 0.974 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.006 min
Lab File: VV035558.D
Acq: 08 May 2024 16:38

Tgt Ion:180 Resp: 8430
Ion Ratio Lower Upper
180 100
182 100.8 75.8 113.6
145 35.9 25.2 37.8

