

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050824\
 Data File : VV035557.D
 Acq On : 08 May 2024 11:25
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 09 01:25:19 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	5.535	114	405294	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	433465	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	227388	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	123573	19.727	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.920%
7) Chloroethane-d5	1.532	69	106756	21.125	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.480%
11) 1,1-Dichloroethene-d2	2.056	65	56890	20.514	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.040%
21) 2-Butanone-d5	3.841	46	20354	11.449	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	22.900%
24) Chloroform-d	4.249	84	273112	22.666	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.680%
26) 1,2-Dichloroethane-d4	4.944	65	147777	24.809	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.240%
32) Benzene-d6	4.960	84	510954	21.534	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.120%
36) 1,2-Dichloropropane-d6	5.989	67	171132	23.371	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.480%
41) Toluene-d8	7.243	98	435520	20.623	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.480%
43) trans-1,3-Dichloroprop...	7.555	79	68495	21.872	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.480%
47) 2-Hexanone-d5	8.030	63	66514	50.515	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.040%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	179204	25.397	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.600%
66) 1,2-Dichlorobenzene-d4	11.558	152	195939	24.829	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	8934	1.084	ug/L	94
3) Chloromethane	1.214	50	10892	1.317	ug/L	99
5) Vinyl chloride	1.282	62	9308	1.089	ug/L #	74
6) Bromomethane	1.487	94	6669	1.232	ug/L	96
8) Chloroethane	1.548	64	5861	1.112	ug/L	90
9) Trichlorofluoromethane	1.712	101	11084	0.994	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8761	1.245	ug/L	87
12) 1,1-Dichloroethene	2.066	96	8227	1.294	ug/L #	1
13) Acetone	2.166	43	3655	1.404	ug/L	81
14) Carbon disulfide	2.236	76	23775	1.181	ug/L	95
15) Methyl Acetate	2.391	43	2599	0.659	ug/L #	62
16) Methylene chloride	2.446	84	17581	1.881	ug/L	94
17) trans-1,2-Dichloroethene	2.700	96	7111	1.007	ug/L	88
18) Methyl tert-butyl Ether	2.706	73	16462	0.967	ug/L #	85
19) 1,1-Dichloroethane	3.114	63	13175	0.996	ug/L	96
20) cis-1,2-Dichloroethene	3.825	96	7299	0.954	ug/L	95
22) 2-Butanone	3.870	43	266	0.110	ug/L	81
23) Bromochloromethane	4.156	128	1864	0.504	ug/L	97
25) Chloroform	4.281	83	16847	1.233	ug/L	91

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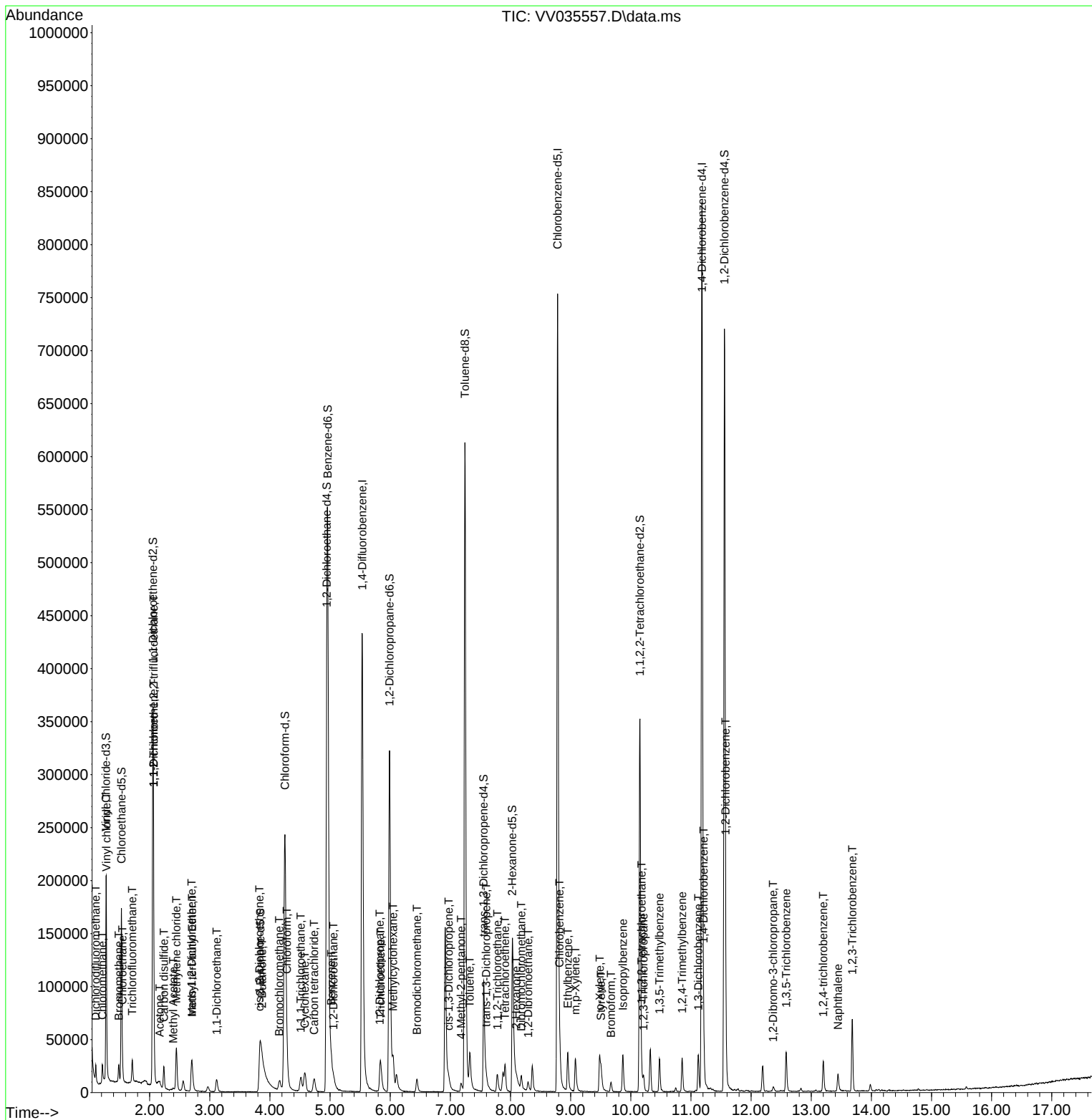
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 ClientSampleId :

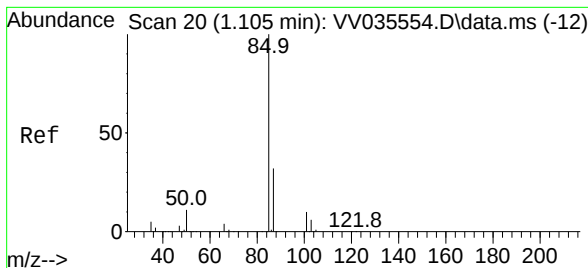
Quant Time: May 09 01:25:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	8177	0.961	ug/L	98
29) Cyclohexane	4.580	56	9275	0.895	ug/L #	87
30) 1,1,1-Trichloroethane	4.513	97	11058	0.920	ug/L	94
31) Carbon tetrachloride	4.735	117	10540	0.999	ug/L	94
33) Benzene	5.018	78	28848	1.006	ug/L	100
34) Trichloroethene	5.844	95	8130	1.002	ug/L	93
35) Methylcyclohexane	6.050	83	10247	0.832	ug/L	91
37) 1,2-Dichloropropane	5.825	63	1450	0.194	ug/L	99
38) Bromodichloromethane	6.445	83	9977	0.984	ug/L	94
39) cis-1,3-Dichloropropene	6.973	75	10297	0.880	ug/L	95
40) 4-Methyl-2-pentanone	7.178	43	6185	1.380	ug/L	91
42) Toluene	7.323	91	29135	0.960	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	6476	0.632	ug/L	94
45) 1,1,2-Trichloroethane	7.780	97	6109	0.961	ug/L	97
46) Tetrachloroethene	7.908	164	6548	0.993	ug/L	96
48) 2-Hexanone	8.098	43	6751	2.009	ug/L #	39
49) Dibromochloromethane	8.182	129	6994	0.975	ug/L	90
50) 1,2-Dibromoethane	8.294	107	6061	0.967	ug/L	99
51) Chlorobenzene	8.815	112	20924	0.993	ug/L	98
52) Ethylbenzene	8.953	91	28432	0.848	ug/L	97
53) m,p-Xylene	9.082	106	10232	0.805	ug/L	96
54) o-Xylene	9.484	106	9362	0.777	ug/L	96
55) Styrene	9.506	104	13935	0.663	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.178	83	8324	1.074	ug/L #	89
59) Bromoform	9.670	173	4648	1.040	ug/L #	96
60) Isopropylbenzene	9.870	105	23325	0.770	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	6280	1.179	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	17620	0.742	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	17649	0.723	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	15823	0.995	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	17397	1.057	ug/L	93
67) 1,2-Dichlorobenzene	11.577	146	16470	1.101	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.368	75	1301	1.053	ug/L	97
69) 1,3,5-Trichlorobenzene	12.583	180	11815	0.951	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	9825	0.947	ug/L	99
71) Naphthalene	13.445	128	14954	0.821	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	8929	0.957	ug/L	96

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

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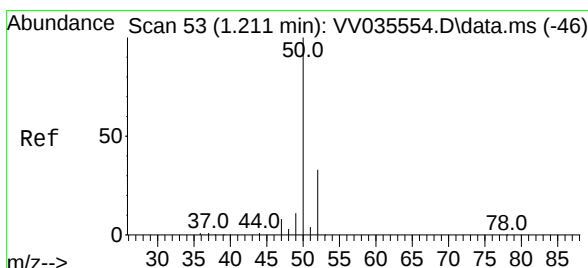
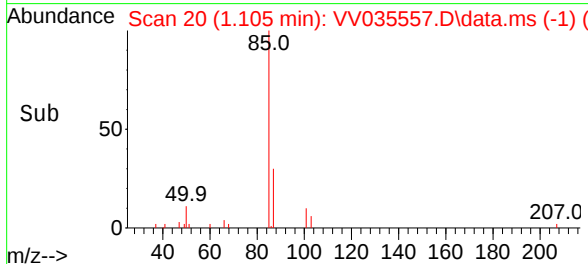
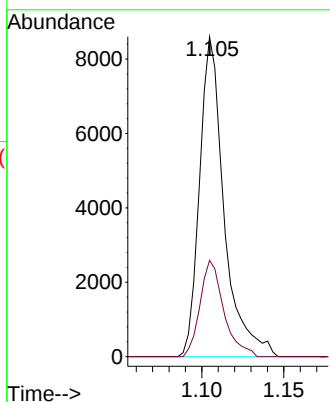
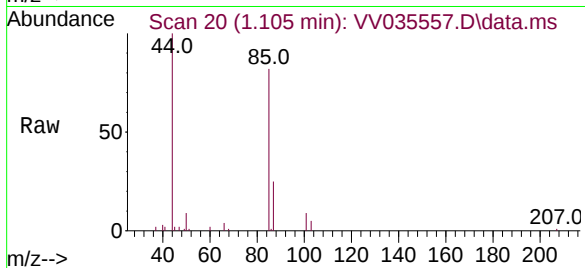




#2
 Dichlorodifluoromethane
 Concen: 1.084 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV035557.D
 Acq: 08 May 2024 11:25

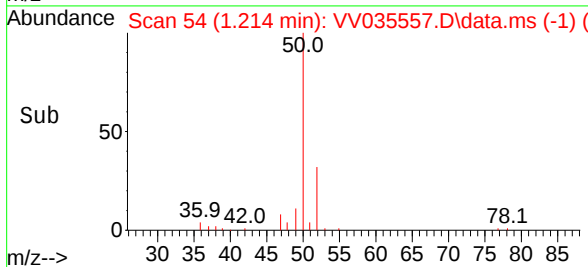
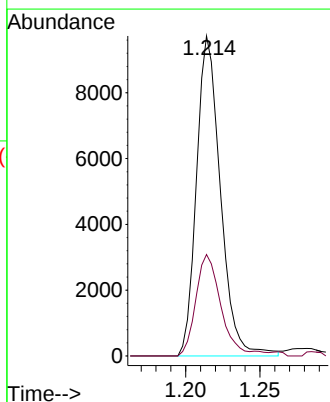
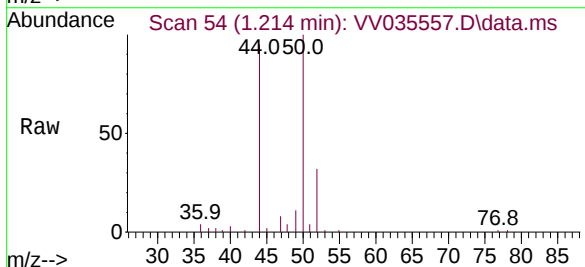
Instrument :
 MSVOA_V
 ClientSampleId :

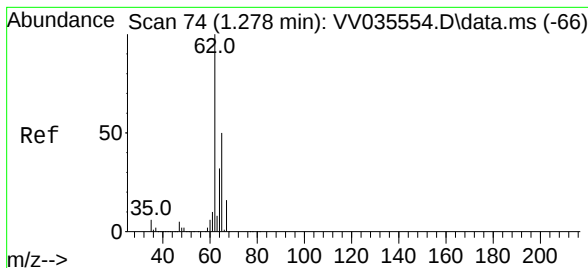
Tgt Ion: 85 Resp: 8934
 Ion Ratio Lower Upper
 85 100
 87 29.1 25.8 38.6



#3
 Chloromethane
 Concen: 1.317 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.003 min
 Lab File: VV035557.D
 Acq: 08 May 2024 11:25

Tgt Ion: 50 Resp: 10892
 Ion Ratio Lower Upper
 50 100
 52 31.7 22.7 42.1





#5

Vinyl chloride

Concen: 1.089 ug/L

RT: 1.282 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

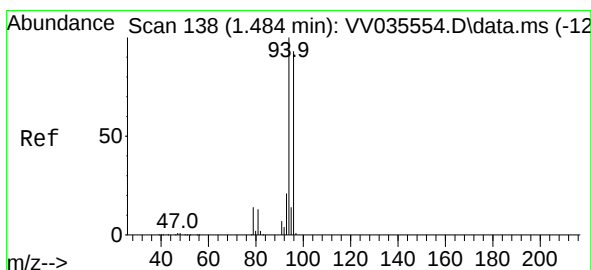
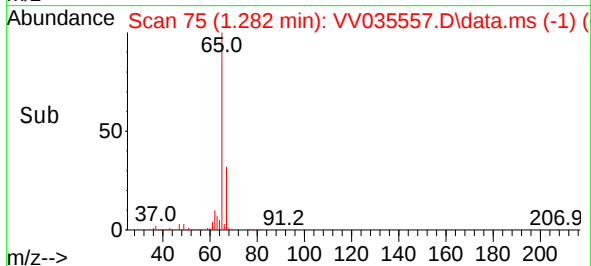
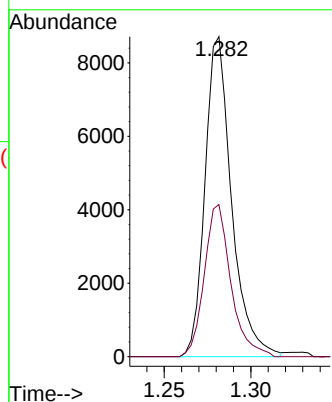
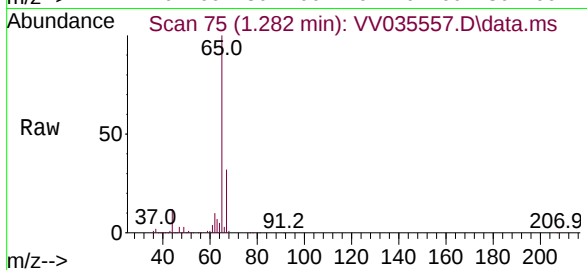
ClientSampleId :

Tgt Ion: 62 Resp: 9308

Ion Ratio Lower Upper

62 100

64 47.5 23.0 42.6#



#6

Bromomethane

Concen: 1.232 ug/L

RT: 1.487 min Scan# 139

Delta R.T. 0.003 min

Lab File: VV035557.D

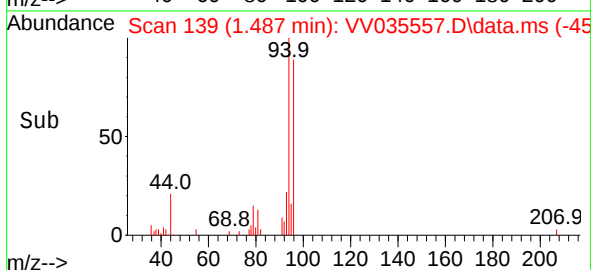
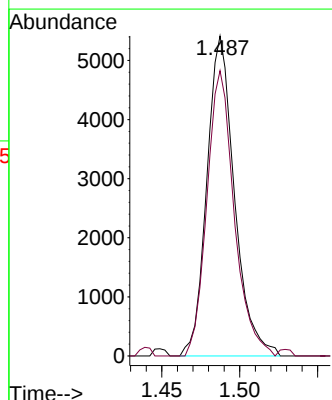
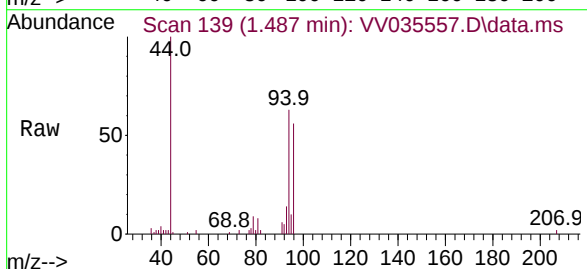
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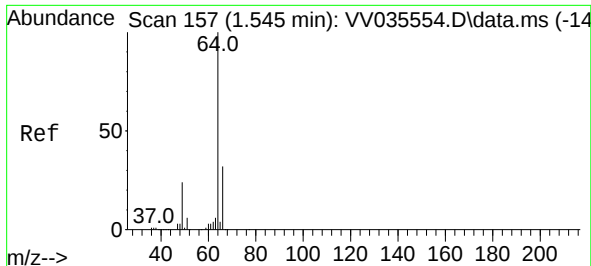
Tgt Ion: 94 Resp: 6669

Ion Ratio Lower Upper

94 100

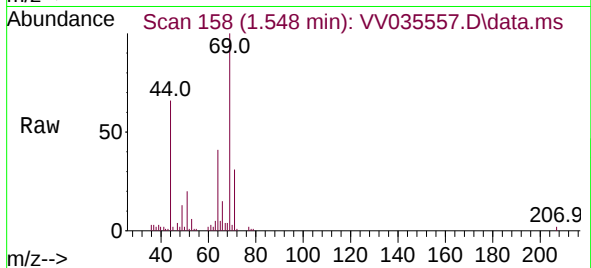
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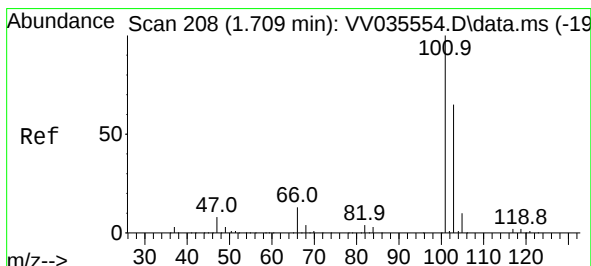
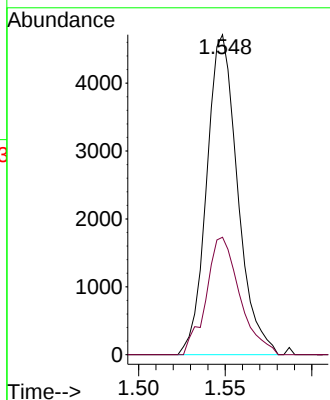
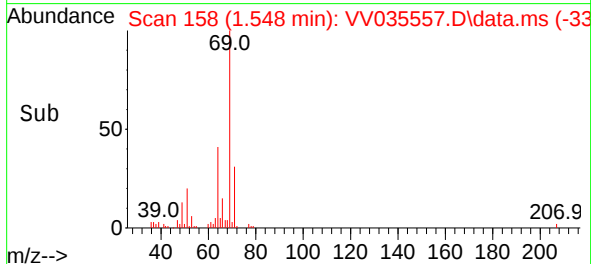


#8
Chloroethane
Concen: 1.112 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Instrument :
MSVOA_V
ClientSampleId :

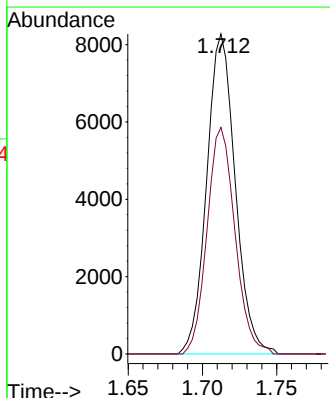
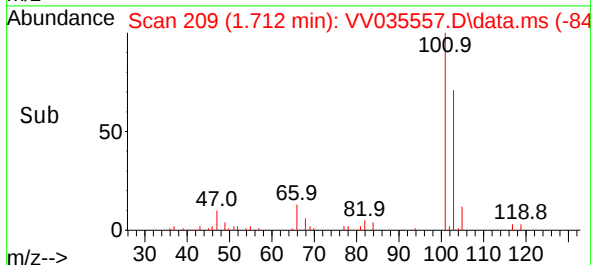
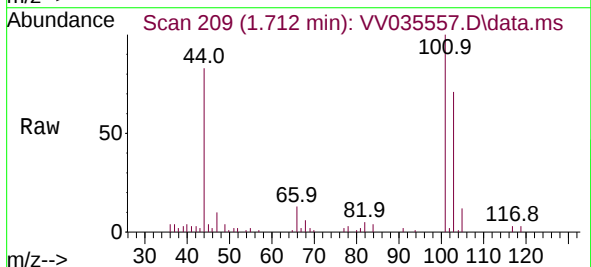


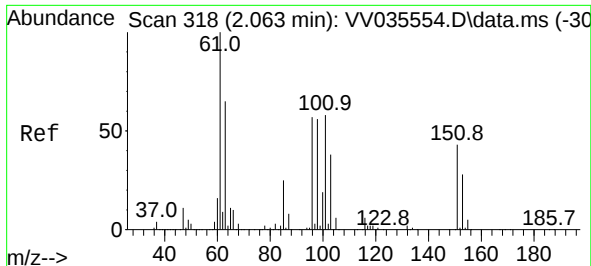
Tgt Ion: 64 Resp: 5861
Ion Ratio Lower Upper
64 100
66 36.7 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.994 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.003 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion: 101 Resp: 11084
Ion Ratio Lower Upper
101 100
103 69.2 51.5 77.3

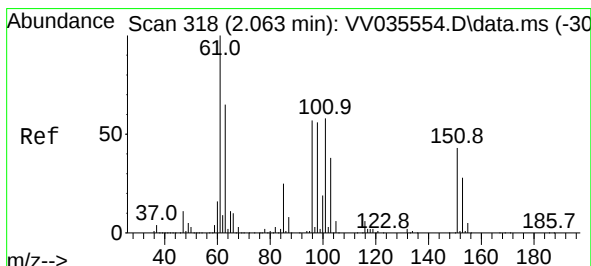
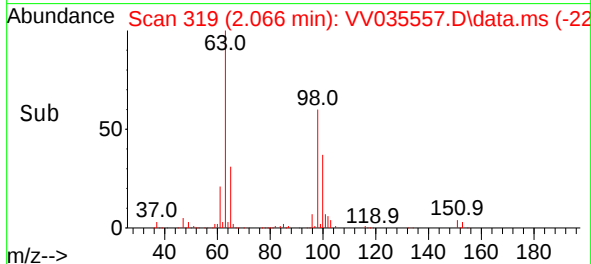
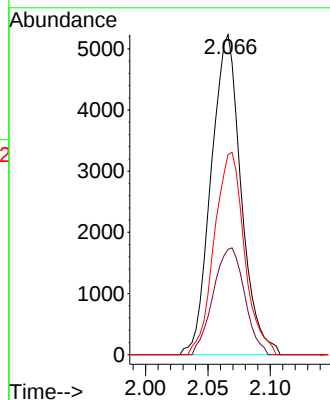
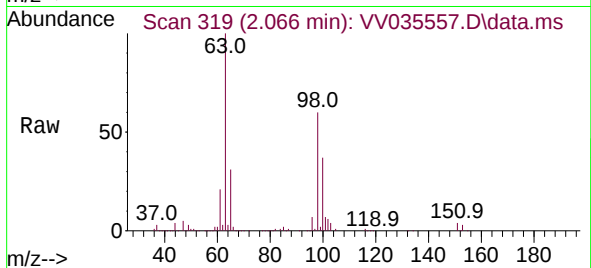




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.245 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV035557.D
 Acq: 08 May 2024 11:25

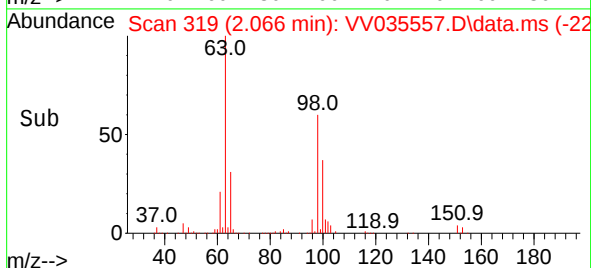
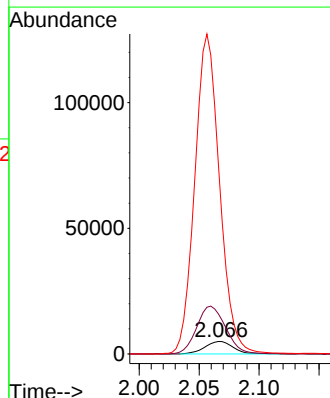
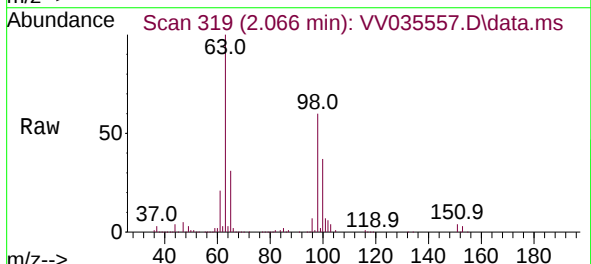
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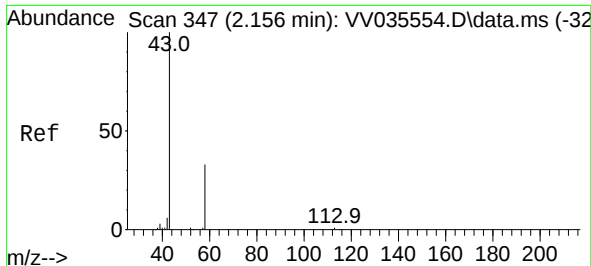
Tgt Ion:101 Resp: 8761
 Ion Ratio Lower Upper
 101 100
 85 34.8 34.2 51.4
 151 63.6 59.5 89.3



#12
 1,1-Dichloroethene
 Concen: 1.294 ug/L
 RT: 2.066 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV035557.D
 Acq: 08 May 2024 11:25

Tgt Ion: 96 Resp: 8227
 Ion Ratio Lower Upper
 96 100
 61 318.2 119.8 222.4#
 63 1505.1 75.6 140.4#





#13

Acetone

Concen: 1.404 ug/L

RT: 2.166 min Scan# 3

Delta R.T. 0.010 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

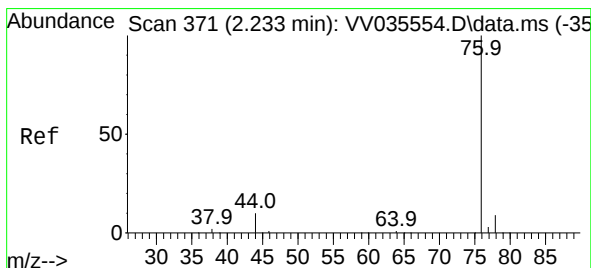
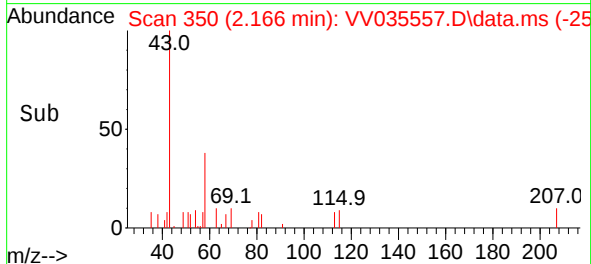
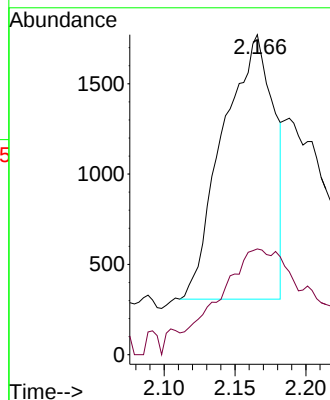
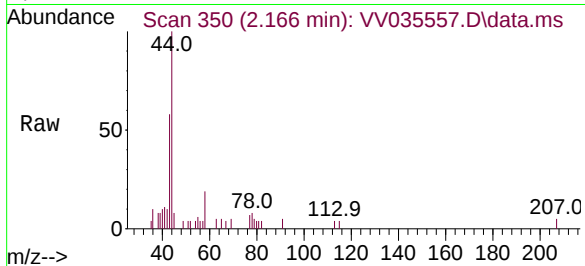
ClientSampleId :

Tgt Ion: 43 Resp: 3655

Ion Ratio Lower Upper

43 100

58 4.3 0.0 22.8



#14

Carbon disulfide

Concen: 1.181 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV035557.D

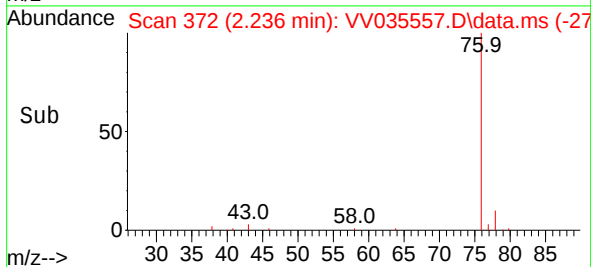
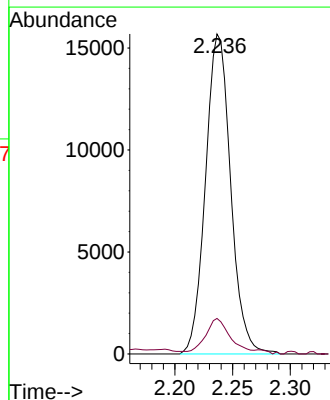
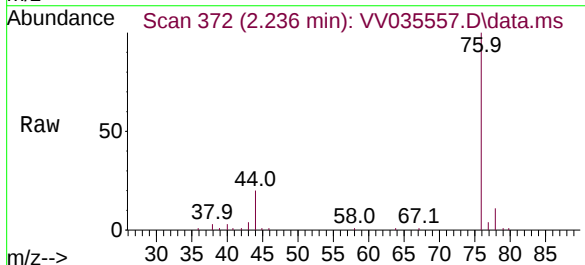
Acq: 08 May 2024 11:25

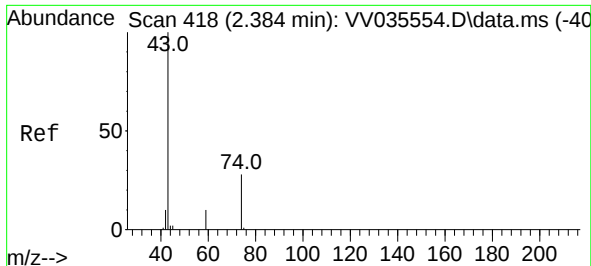
Tgt Ion: 76 Resp: 23775

Ion Ratio Lower Upper

76 100

78 11.1 7.5 11.3





#15

Methyl Acetate

Concen: 0.659 ug/L

RT: 2.391 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

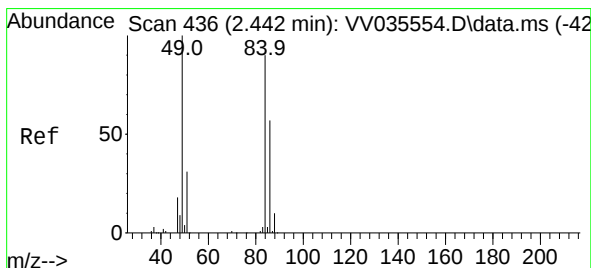
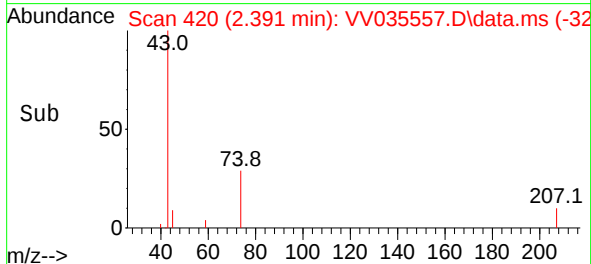
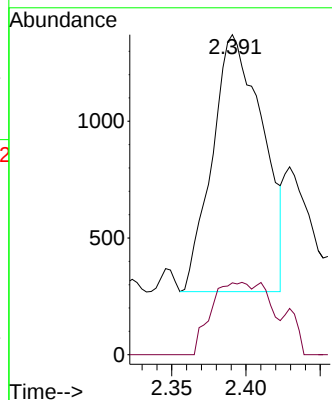
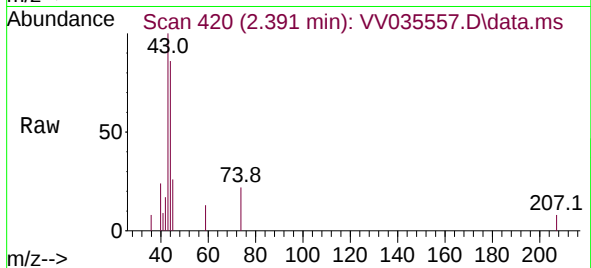
ClientSampleId :

Tgt Ion: 43 Resp: 2599

Ion Ratio Lower Upper

43 100

74 4.8 18.6 27.8#



#16

Methylene chloride

Concen: 1.881 ug/L

RT: 2.446 min Scan# 437

Delta R.T. 0.003 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

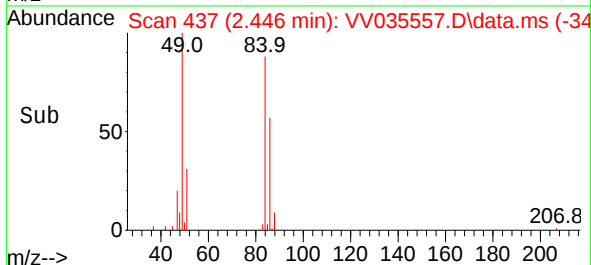
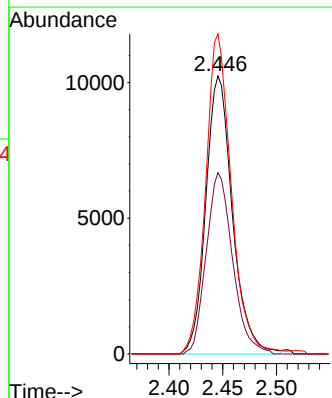
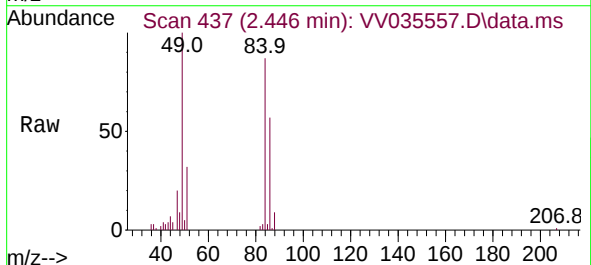
Tgt Ion: 84 Resp: 17581

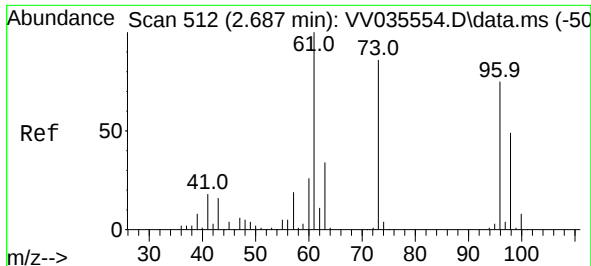
Ion Ratio Lower Upper

84 100

86 65.3 43.8 81.3

49 115.1 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 1.007 ug/L

RT: 2.700 min Scan# 511

Delta R.T. 0.013 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

ClientSampleId :

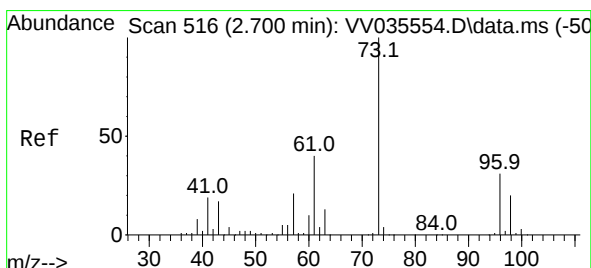
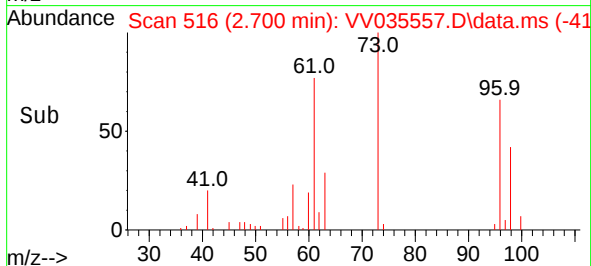
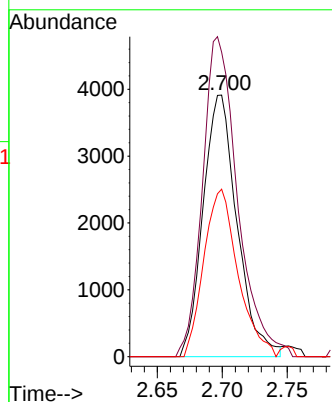
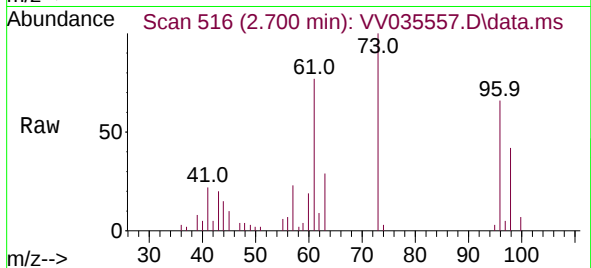
Tgt Ion: 96 Resp: 7111

Ion Ratio Lower Upper

96 100

61 116.4 95.5 177.4

98 64.0 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 0.967 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.006 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

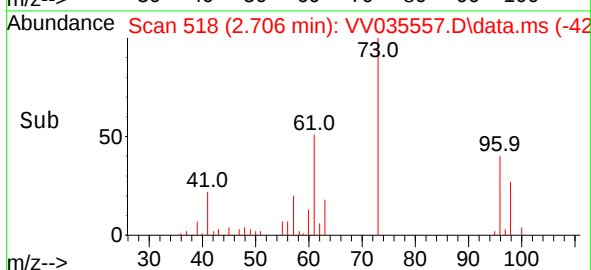
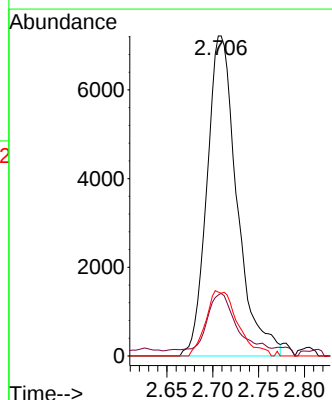
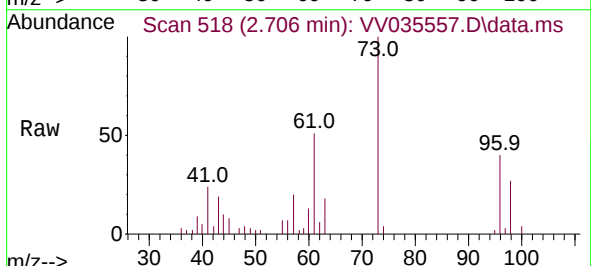
Tgt Ion: 73 Resp: 16462

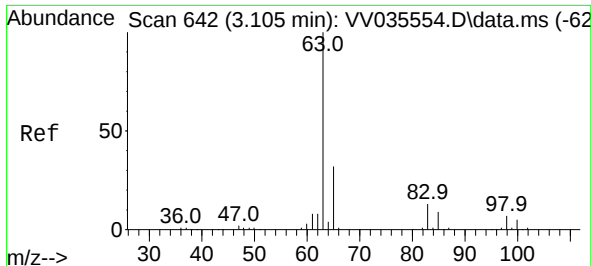
Ion Ratio Lower Upper

73 100

43 14.9 13.3 19.9

57 10.8 17.4 26.2#

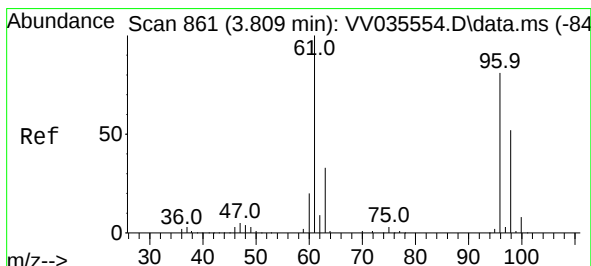
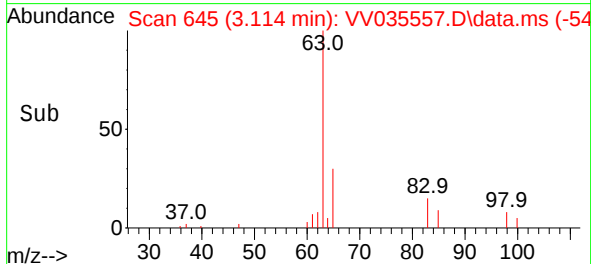
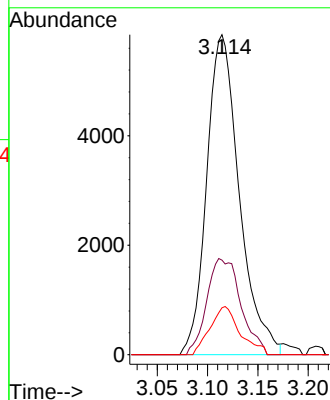
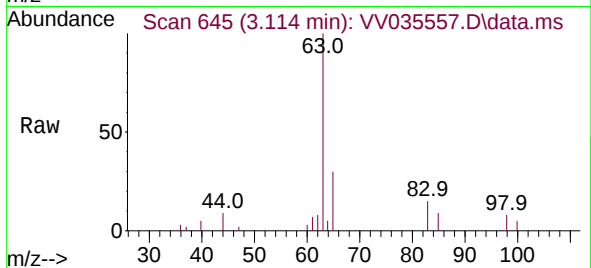




#19
1,1-Dichloroethane
Concen: 0.996 ug/L
RT: 3.114 min Scan# 64
Delta R.T. 0.010 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

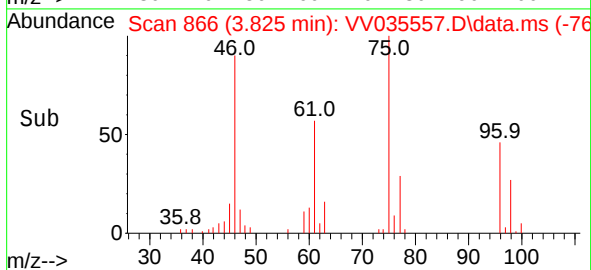
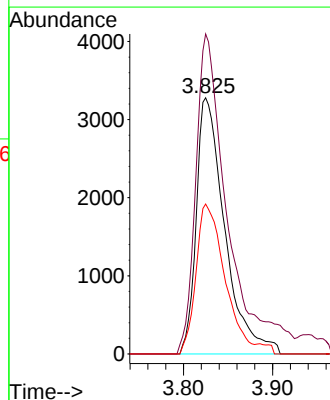
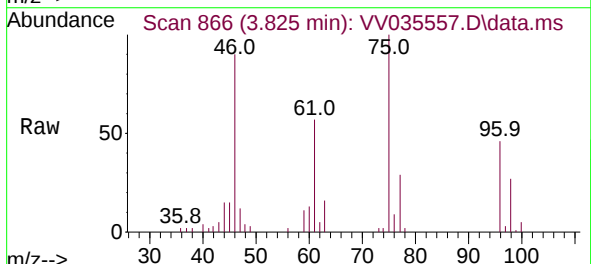
Instrument :
MSVOA_V
ClientSampleId :

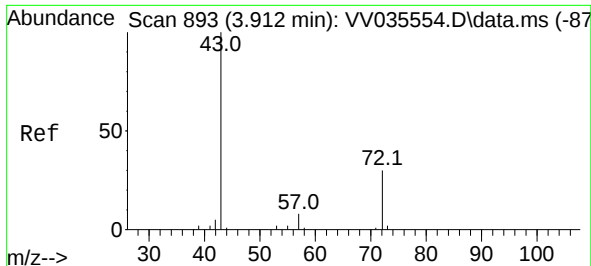
Tgt Ion: 63 Resp: 13175
Ion Ratio Lower Upper
63 100
65 29.6 22.7 42.3
83 14.7 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 0.954 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.016 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion: 96 Resp: 7299
Ion Ratio Lower Upper
96 100
61 124.9 83.9 155.9
98 58.6 44.0 81.8





#22

2-Butanone

Concen: 0.110 ug/L

RT: 3.870 min Scan# 80

Delta R.T. -0.042 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

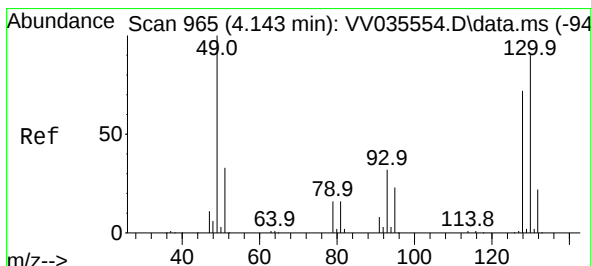
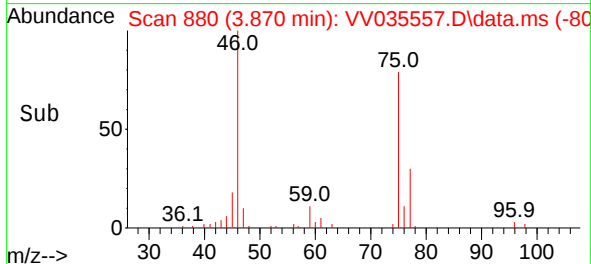
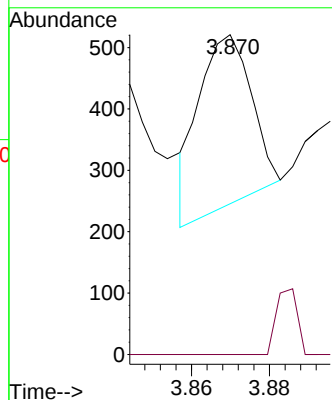
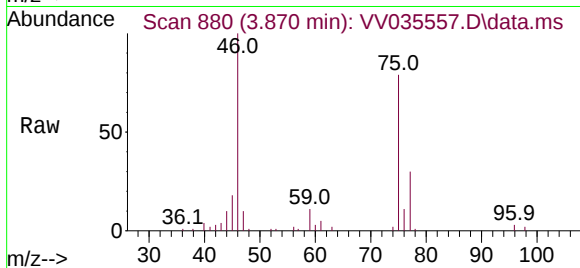
ClientSampleId :

Tgt Ion: 43 Resp: 266

Ion Ratio Lower Upper

43 100

72 15.0 12.3 36.9



#23

Bromochloromethane

Concen: 0.504 ug/L

RT: 4.156 min Scan# 969

Delta R.T. 0.013 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Tgt Ion: 128 Resp: 1864

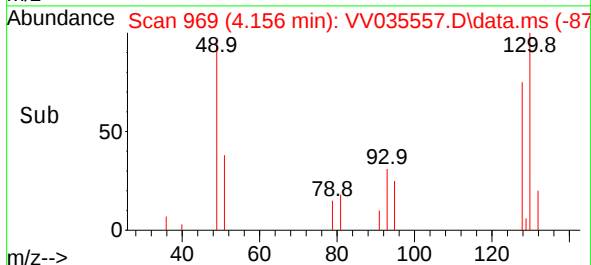
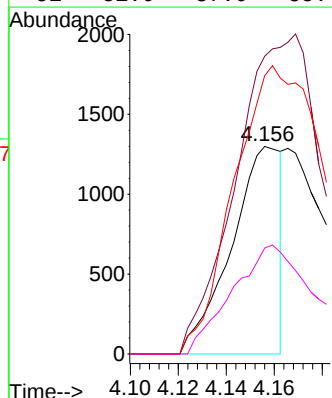
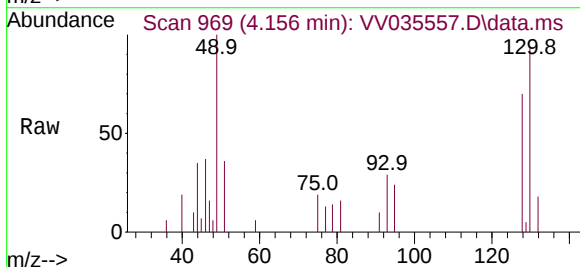
Ion Ratio Lower Upper

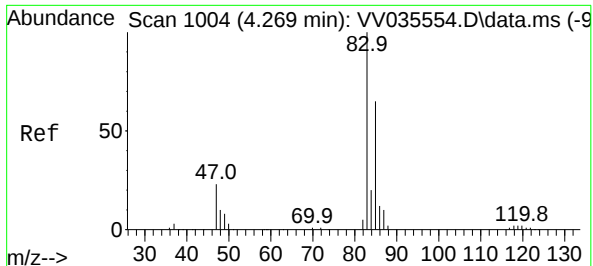
128 100

49 143.5 103.1 191.5

130 134.1 91.8 170.4

51 51.0 37.0 55.4





#25

Chloroform

Concen: 1.233 ug/L

RT: 4.281 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

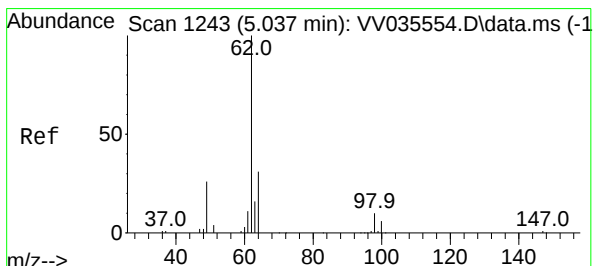
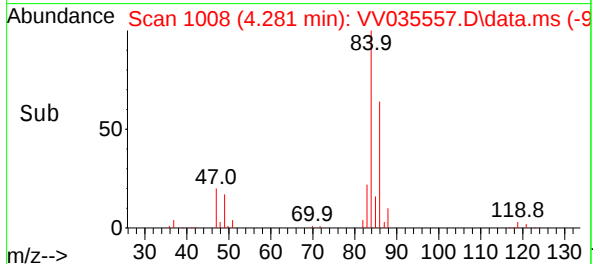
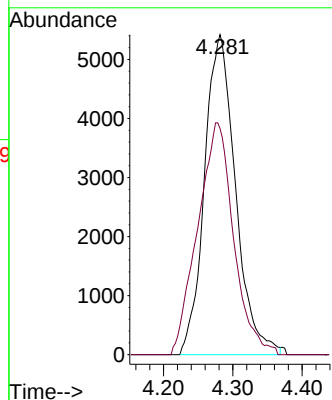
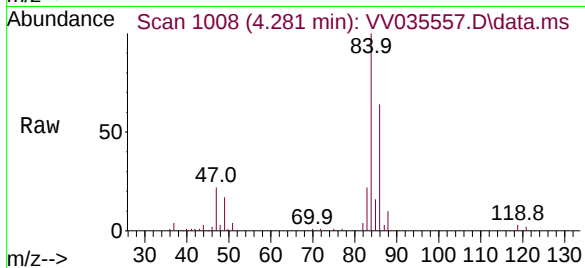
ClientSampleId :

Tgt Ion: 83 Resp: 16847

Ion Ratio Lower Upper

83 100

85 70.7 44.7 82.9



#27

1,2-Dichloroethane

Concen: 0.961 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.019 min

Lab File: VV035557.D

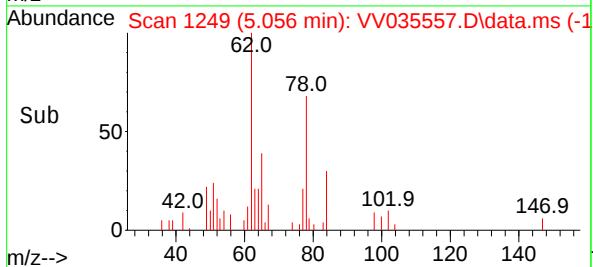
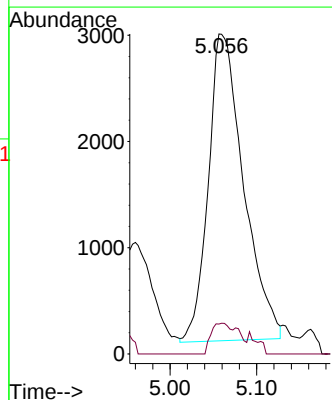
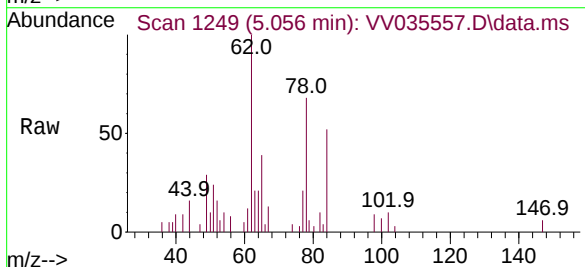
Acq: 08 May 2024 11:25

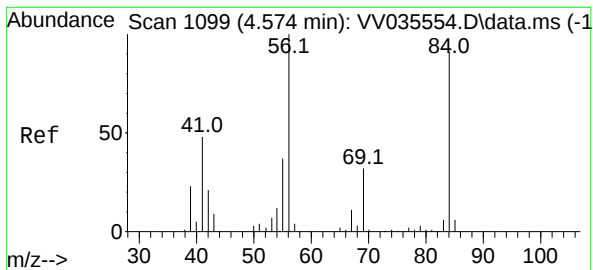
Tgt Ion: 62 Resp: 8177

Ion Ratio Lower Upper

62 100

98 9.4 8.2 12.2





#29

Cyclohexane

Concen: 0.895 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

ClientSampleId :

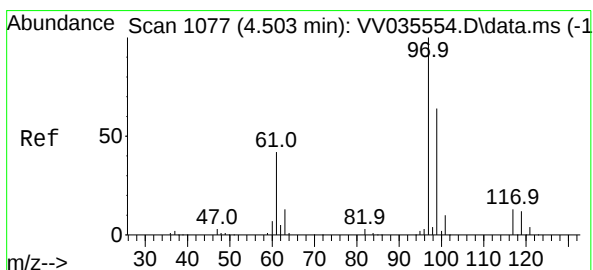
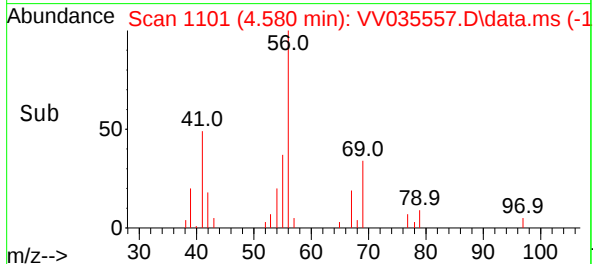
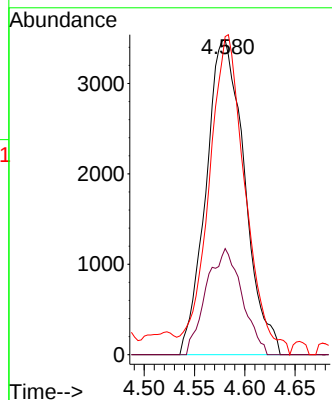
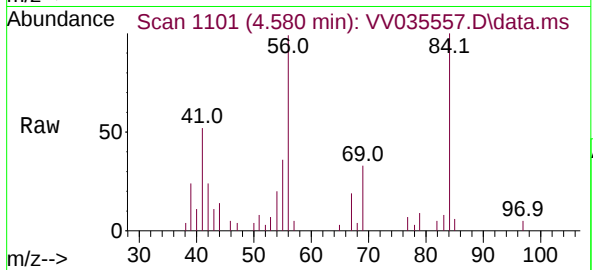
Tgt Ion: 56 Resp: 9275

Ion Ratio Lower Upper

56 100

69 18.5 25.6 38.4#

84 84.3 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 0.920 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. 0.010 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

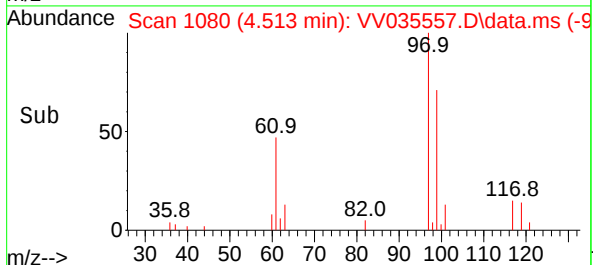
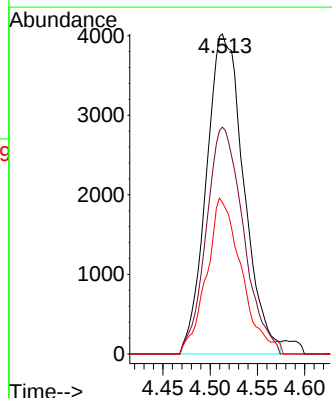
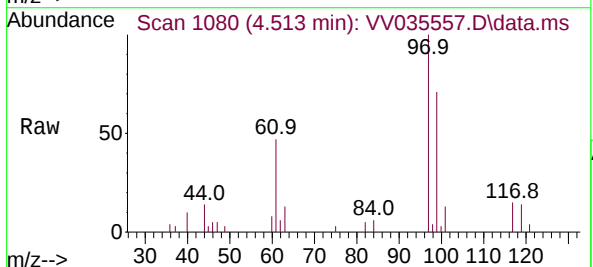
Tgt Ion: 97 Resp: 11058

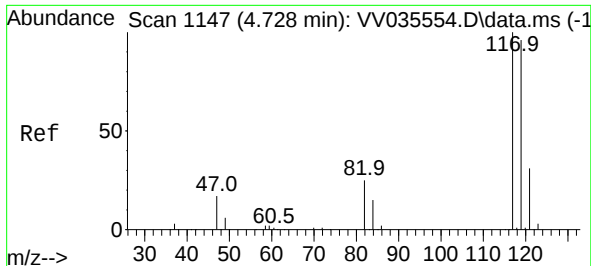
Ion Ratio Lower Upper

97 100

99 70.4 51.7 77.5

61 44.8 33.5 50.3

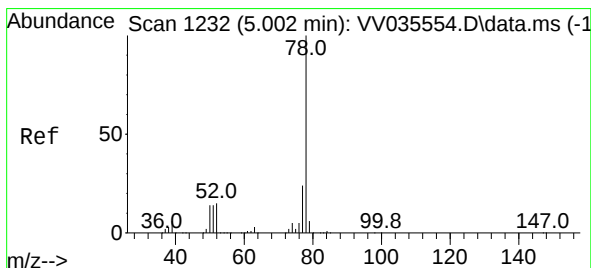
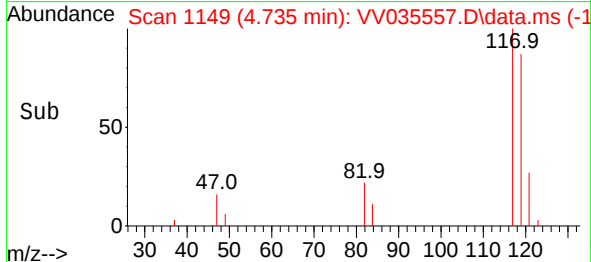
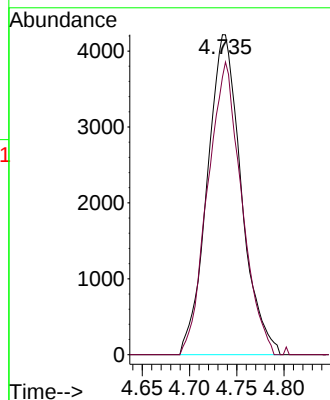
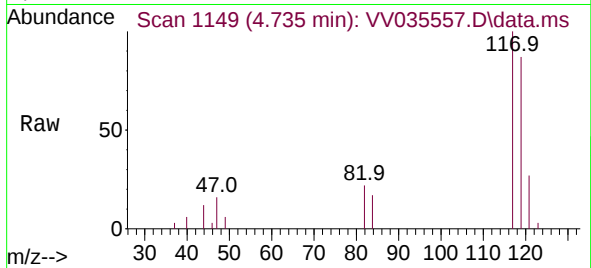




#31
Carbon tetrachloride
Concen: 0.999 ug/L
RT: 4.735 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

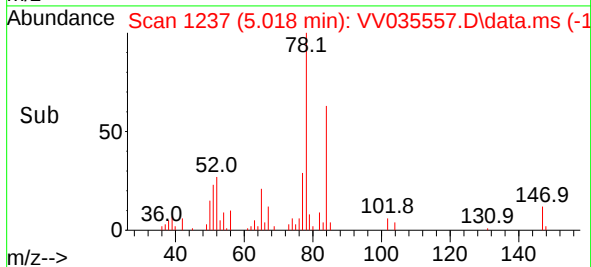
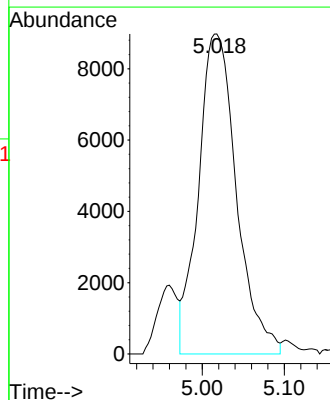
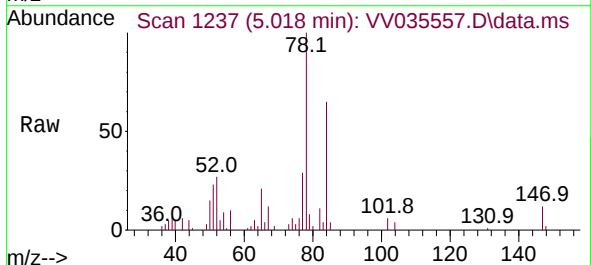
Instrument :
MSVOA_V
ClientSampleId :

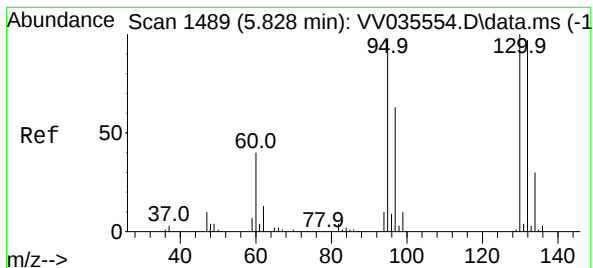
Tgt Ion:117 Resp: 10540
Ion Ratio Lower Upper
117 100
119 91.0 77.3 115.9



#33
Benzene
Concen: 1.006 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.016 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion: 78 Resp: 28848





#34

Trichloroethene

Concen: 1.002 ug/L

RT: 5.844 min Scan# 1489

Delta R.T. 0.016 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 8130

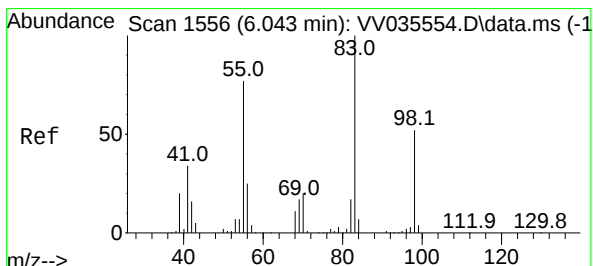
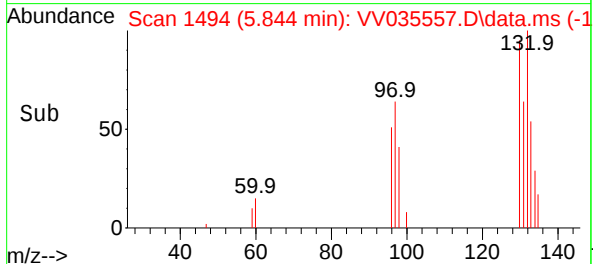
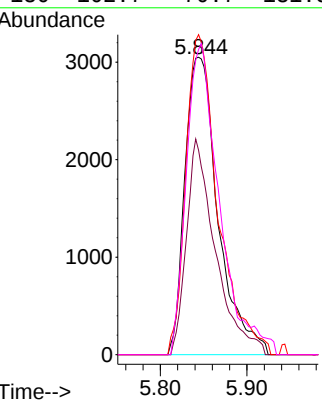
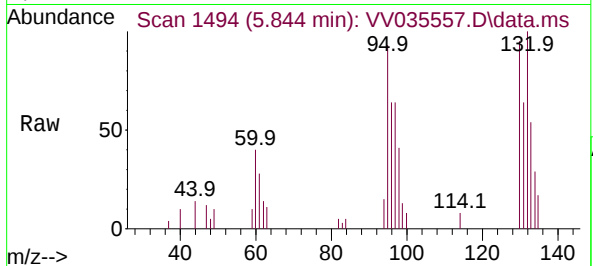
Ion Ratio Lower Upper

95 100

97 68.7 43.8 81.4

132 107.6 67.1 124.7

130 102.7 70.7 131.3



#35

Methylcyclohexane

Concen: 0.832 ug/L

RT: 6.050 min Scan# 1558

Delta R.T. 0.006 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

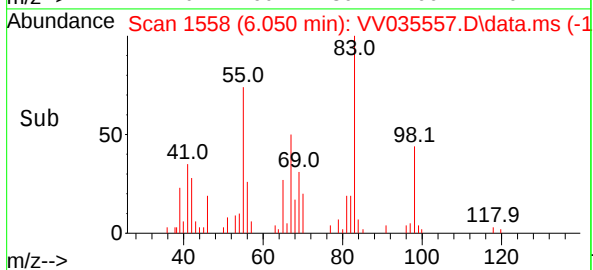
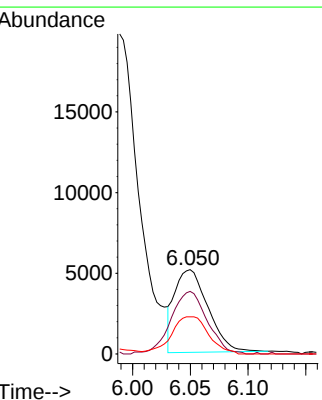
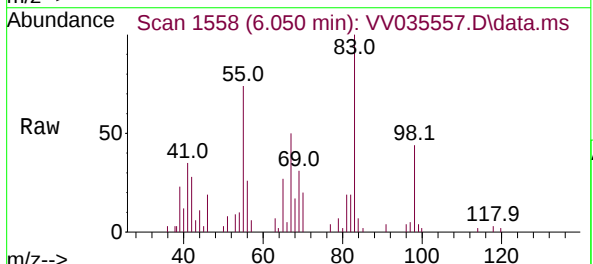
Tgt Ion: 83 Resp: 10247

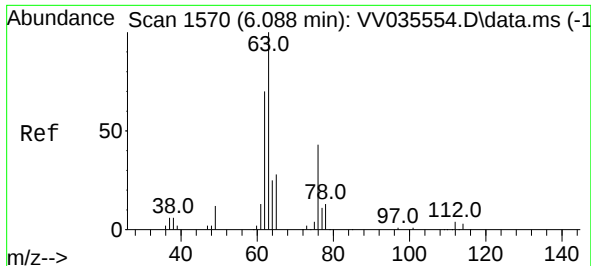
Ion Ratio Lower Upper

83 100

55 82.2 57.5 86.3

98 50.6 38.6 58.0





#37

1,2-Dichloropropane

Concen: 0.194 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.264 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

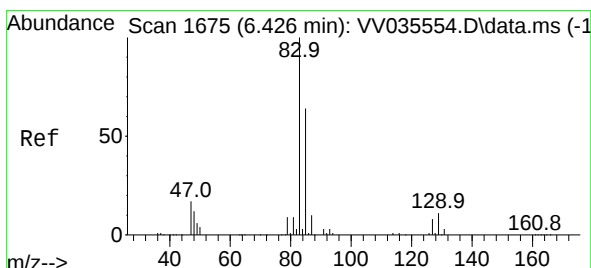
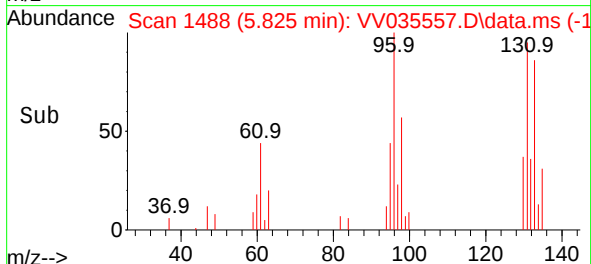
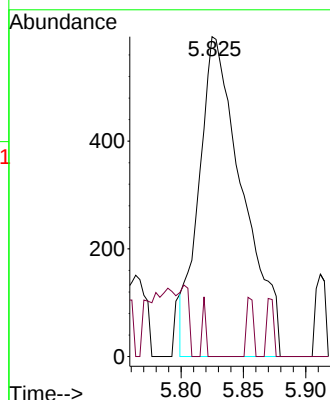
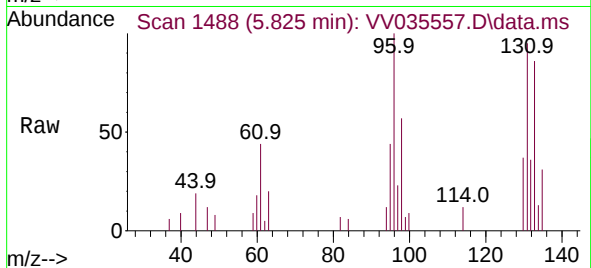
ClientSampleId :

Tgt Ion: 63 Resp: 1450

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#38

Bromodichloromethane

Concen: 0.984 ug/L

RT: 6.445 min Scan# 1681

Delta R.T. 0.019 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

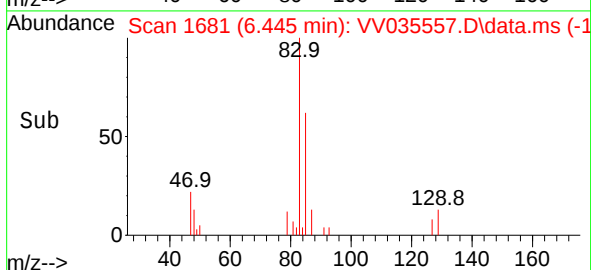
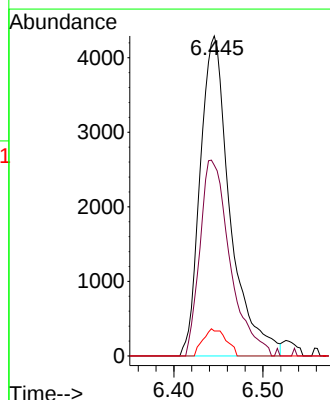
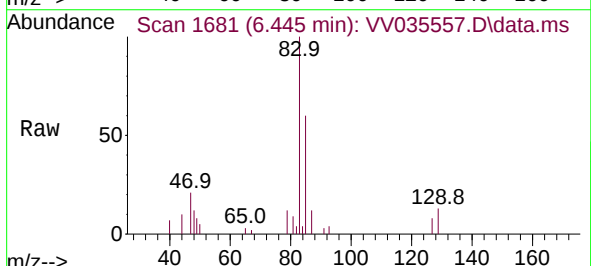
Tgt Ion: 83 Resp: 9977

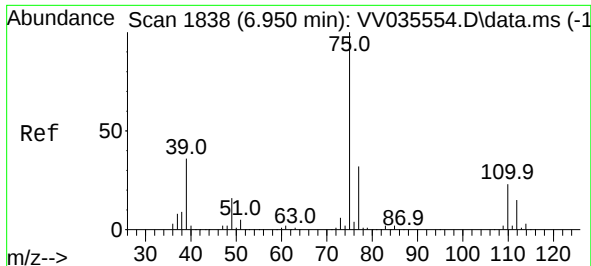
Ion Ratio Lower Upper

83 100

85 59.6 45.1 83.9

127 7.8 7.0 10.6

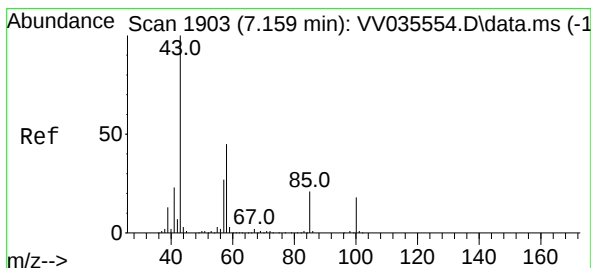
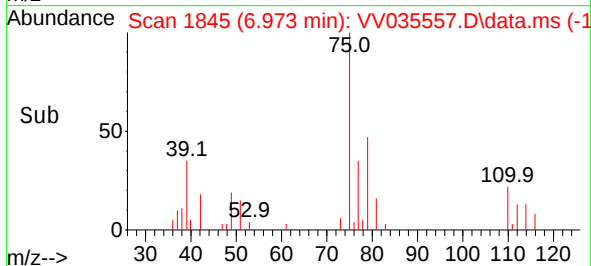
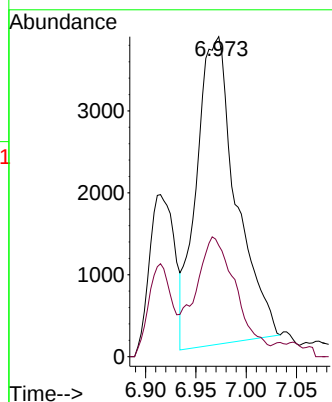
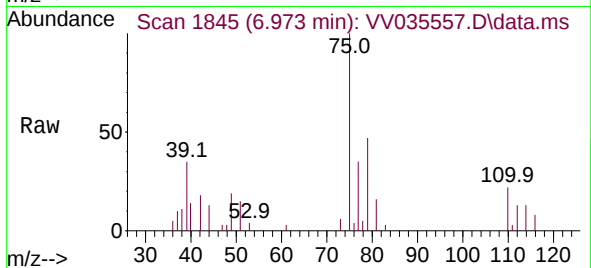




#39
 cis-1,3-Dichloropropene
 Concen: 0.880 ug/L
 RT: 6.973 min Scan# 11
 Delta R.T. 0.022 min
 Lab File: VV035557.D
 Acq: 08 May 2024 11:25

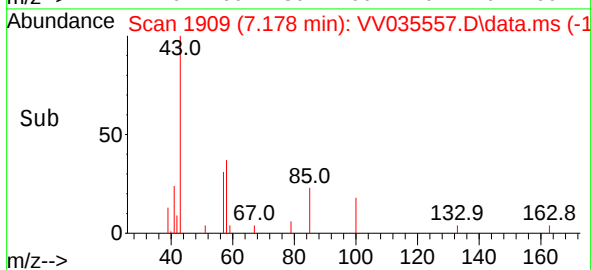
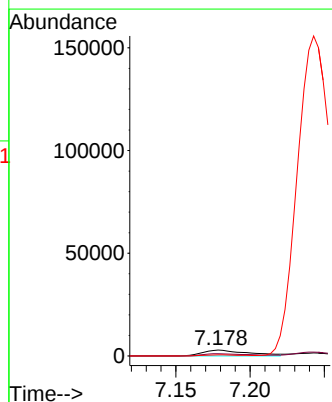
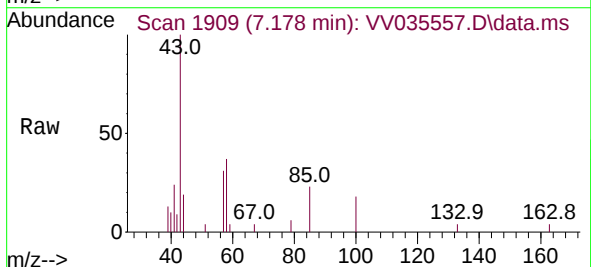
Instrument :
 MSVOA_V
 ClientSampleId :

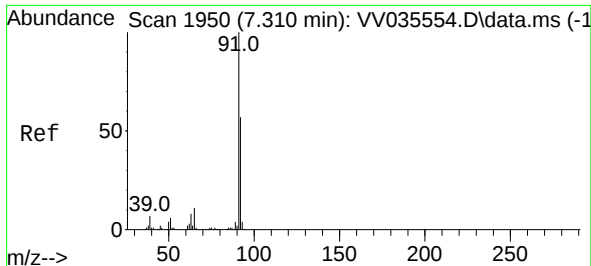
Tgt Ion: 75 Resp: 10297
 Ion Ratio Lower Upper
 75 100
 77 34.7 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 1.380 ug/L
 RT: 7.178 min Scan# 1909
 Delta R.T. 0.019 min
 Lab File: VV035557.D
 Acq: 08 May 2024 11:25

Tgt Ion: 43 Resp: 6185
 Ion Ratio Lower Upper
 43 100
 58 36.5 34.8 52.2
 100 14.9 13.9 20.9





#42

Toluene

Concen: 0.960 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

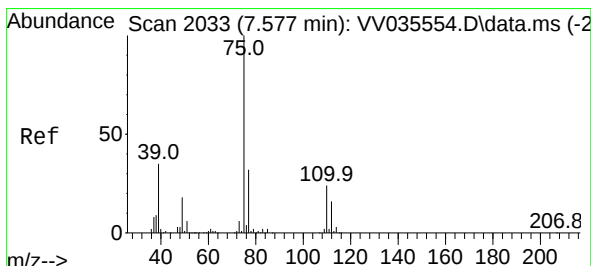
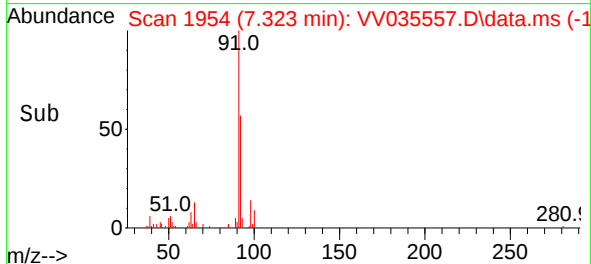
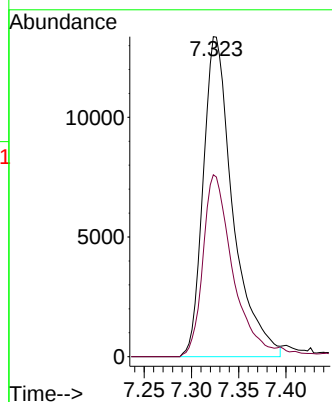
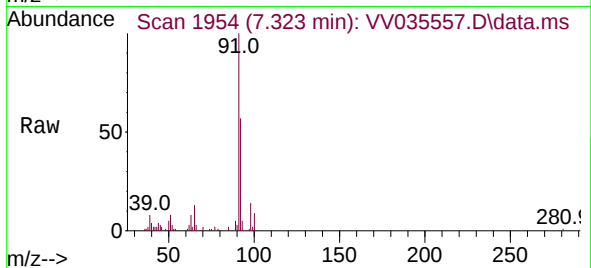
ClientSampleId :

Tgt Ion: 91 Resp: 29135

Ion Ratio Lower Upper

91 100

92 56.8 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.632 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.019 min

Lab File: VV035557.D

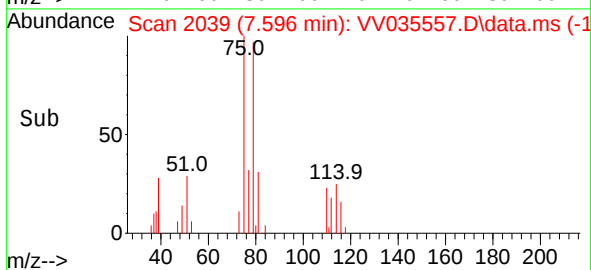
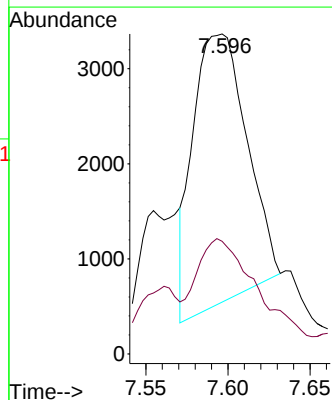
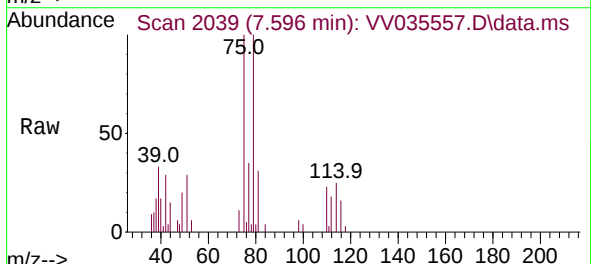
Acq: 08 May 2024 11:25

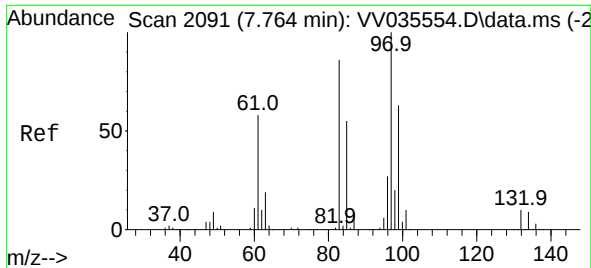
Tgt Ion: 75 Resp: 6476

Ion Ratio Lower Upper

75 100

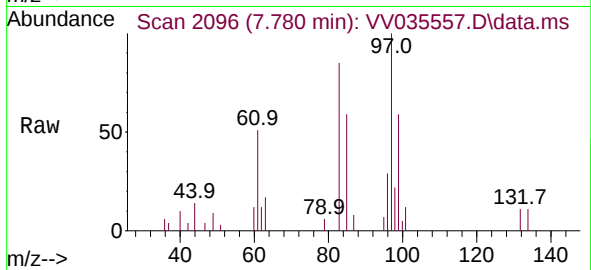
77 35.2 22.4 41.6



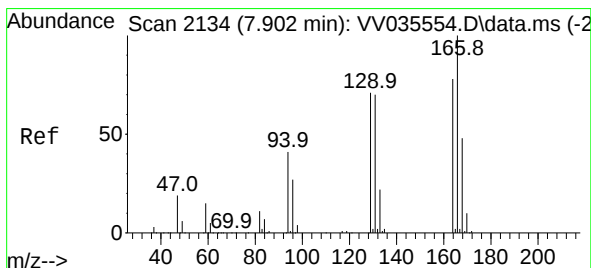
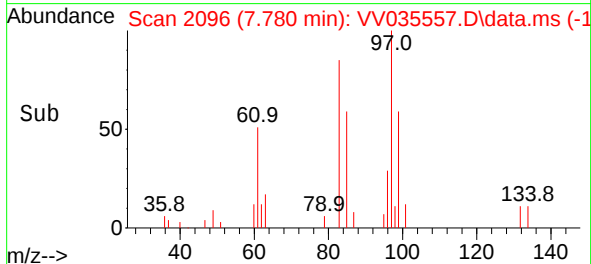
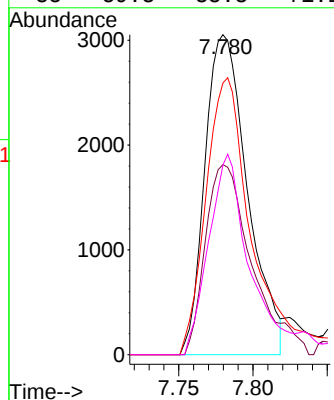


#45
1,1,2-Trichloroethane
Concen: 0.961 ug/L
RT: 7.780 min Scan# 2091
Delta R.T. 0.016 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Instrument :
MSVOA_V
ClientSampleId :

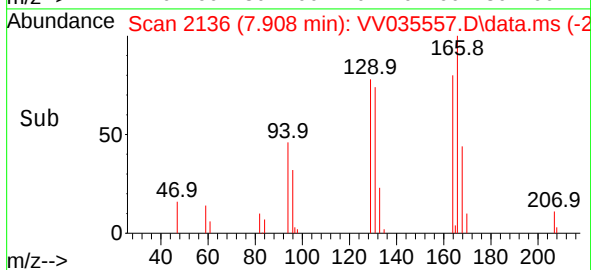
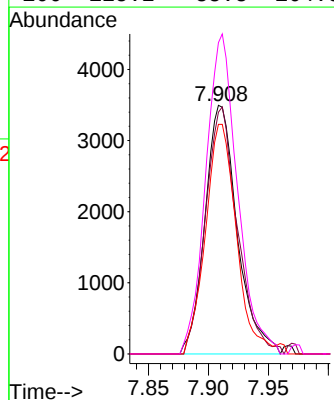
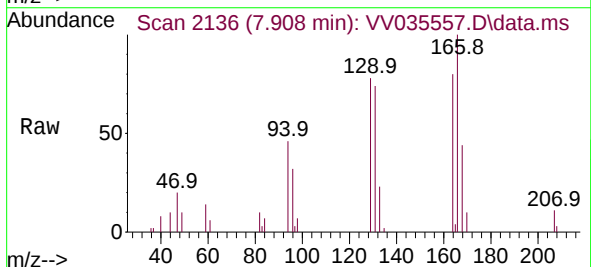


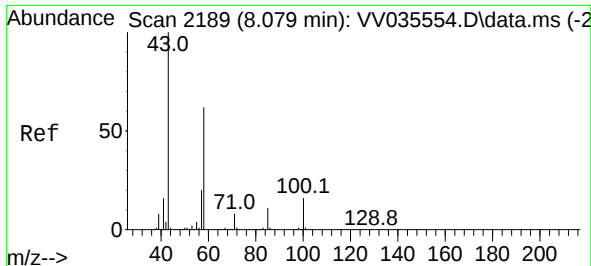
Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.4	43.3	80.3
83	84.9	60.3	111.9
85	59.3	38.3	71.1



#46
Tetrachloroethene
Concen: 0.993 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
129	97.3	63.4	117.8
131	92.4	61.0	113.4
166	125.2	88.8	164.8

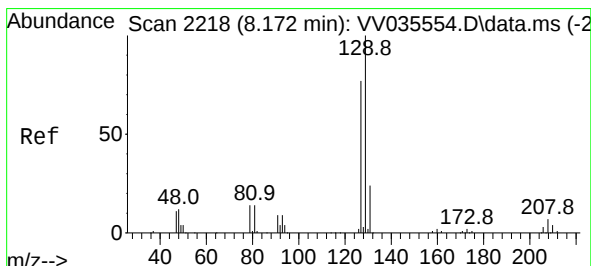
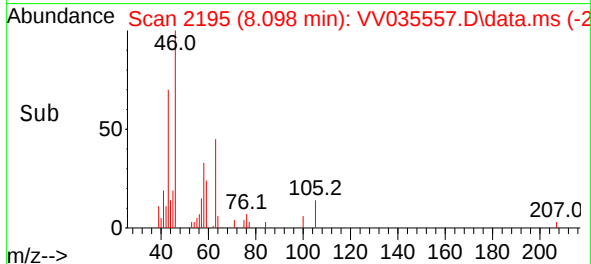
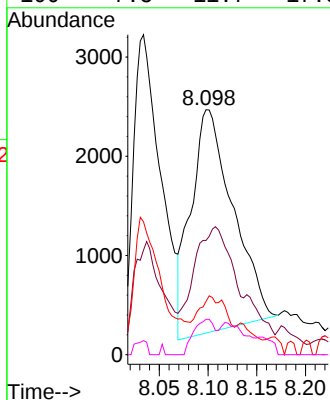
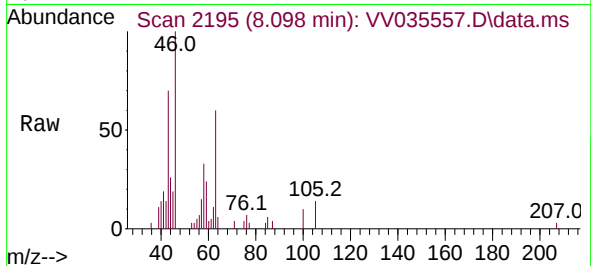




#48
2-Hexanone
Concen: 2.009 ug/L
RT: 8.098 min Scan# 2189
Delta R.T. 0.019 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

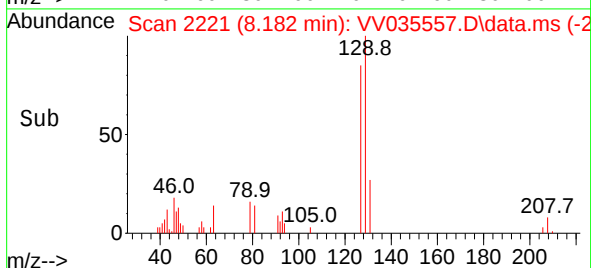
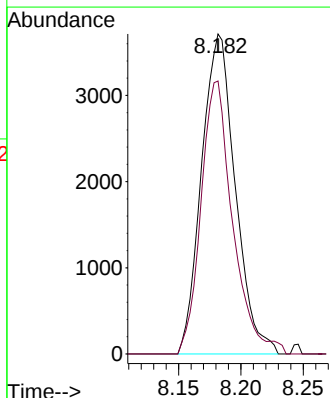
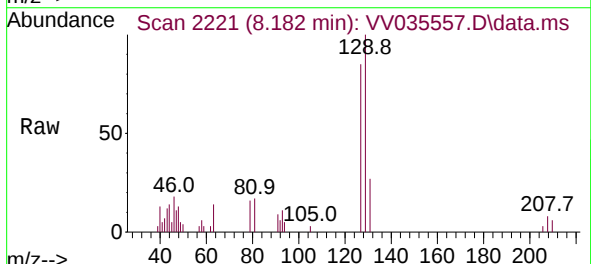
Instrument :
MSVOA_V
ClientSampleId :

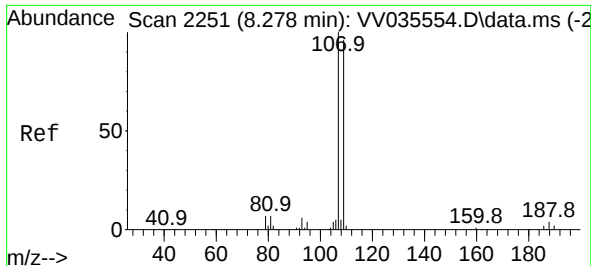
Tgt Ion: 43 Resp: 6751
Ion Ratio Lower Upper
43 100
58 0.0 48.8 73.2#
57 3.9 16.9 25.3#
100 7.8 11.7 17.5#



#49
Dibromochloromethane
Concen: 0.975 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.010 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion: 129 Resp: 6994
Ion Ratio Lower Upper
129 100
127 85.3 53.8 99.8

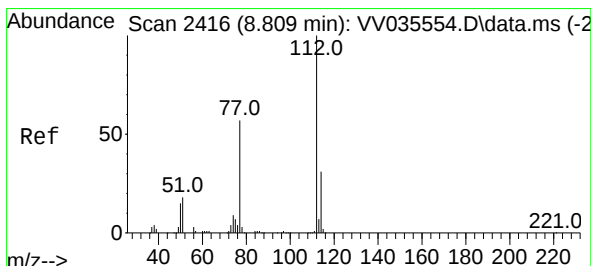
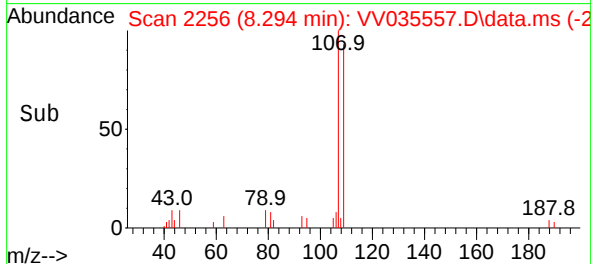
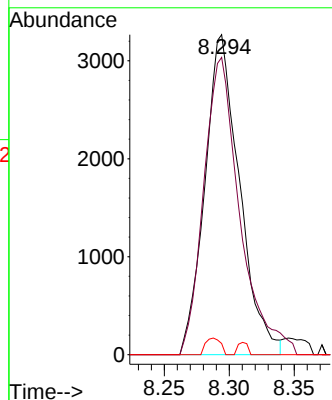
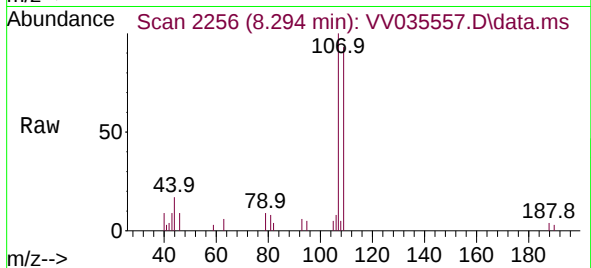




#50
1,2-Dibromoethane
Concen: 0.967 ug/L
RT: 8.294 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

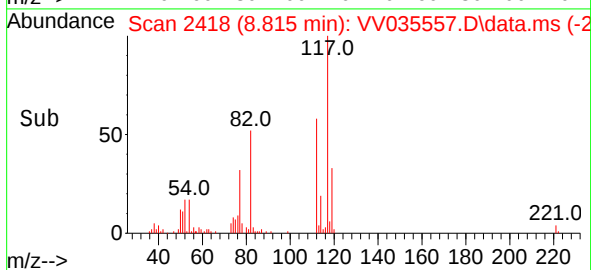
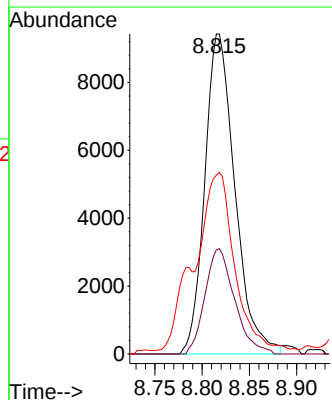
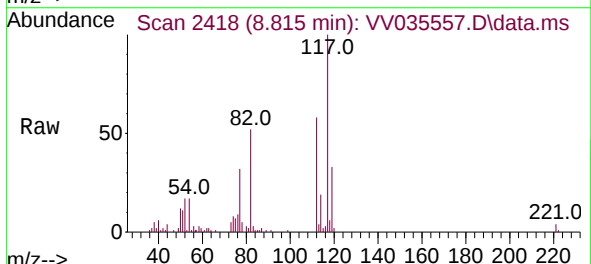
Instrument :
MSVOA_V
ClientSampleId :

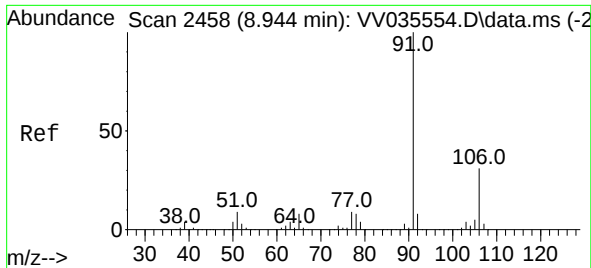
Tgt Ion:107 Resp: 6061
Ion Ratio Lower Upper
107 100
109 92.9 65.4 121.4
188 3.5 2.9 4.3



#51
Chlorobenzene
Concen: 0.993 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.006 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion:112 Resp: 20924
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.7
77 55.9 46.6 69.8





#52

Ethylbenzene

Concen: 0.848 ug/L

RT: 8.953 min Scan# 2458

Delta R.T. 0.010 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

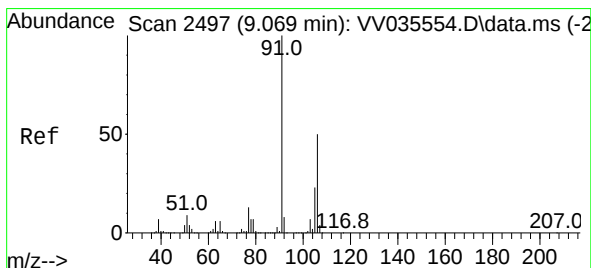
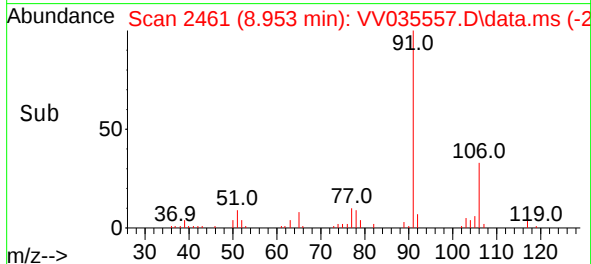
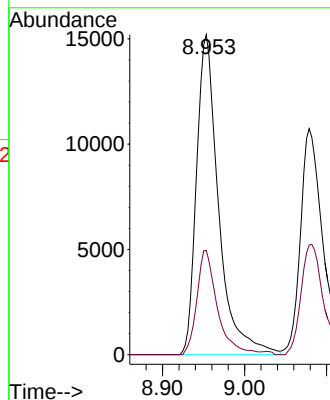
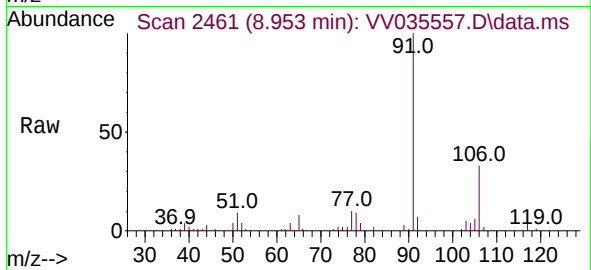
ClientSampleId :

Tgt Ion: 91 Resp: 28432

Ion Ratio Lower Upper

91 100

106 32.6 21.7 40.3



#53

m,p-Xylene

Concen: 0.805 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.013 min

Lab File: VV035557.D

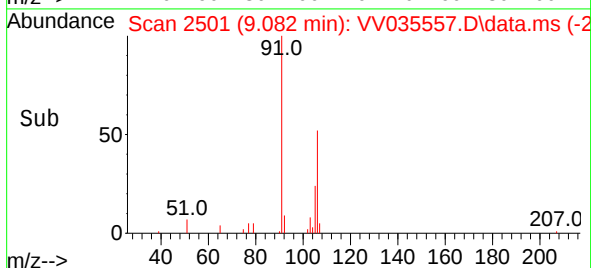
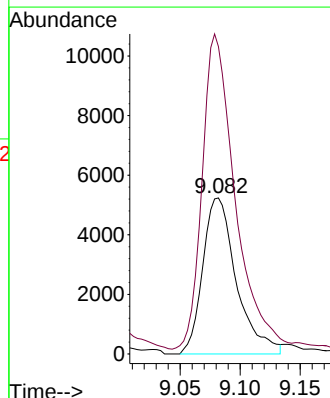
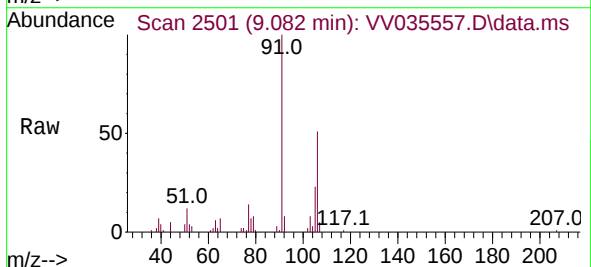
Acq: 08 May 2024 11:25

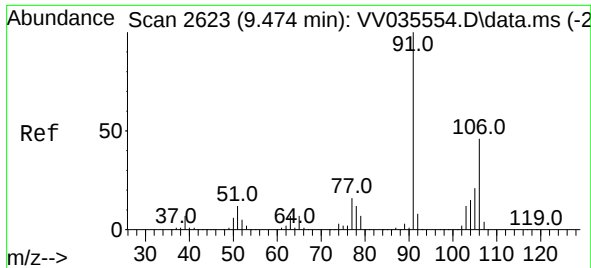
Tgt Ion: 106 Resp: 10232

Ion Ratio Lower Upper

106 100

91 196.9 142.7 264.9

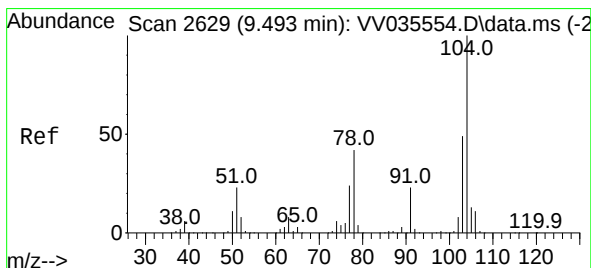
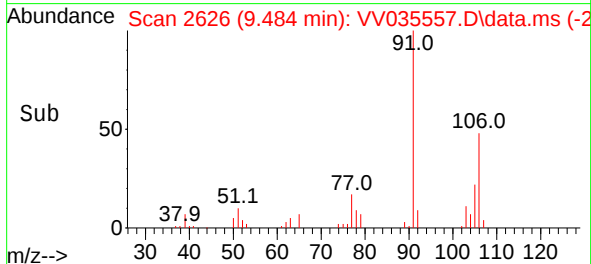
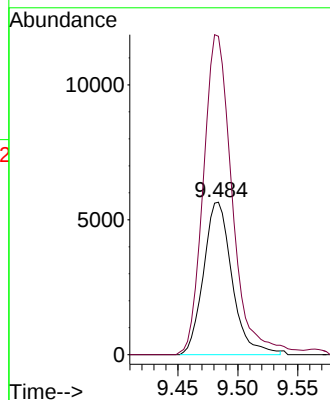
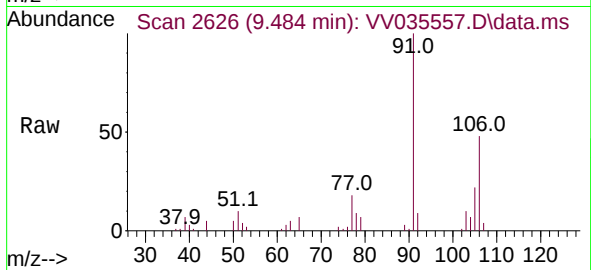




#54
o-Xylene
Concen: 0.777 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.010 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

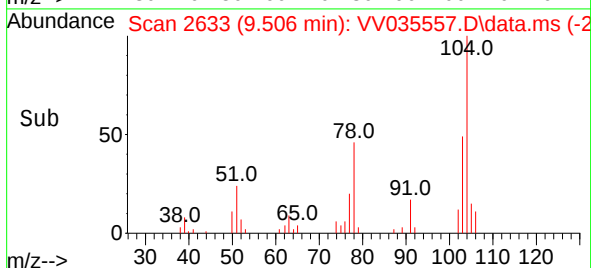
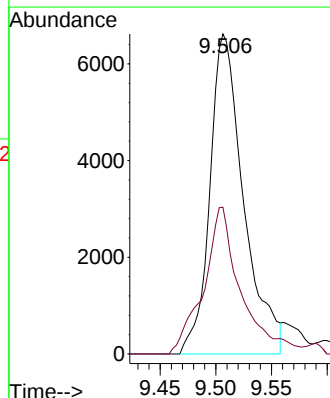
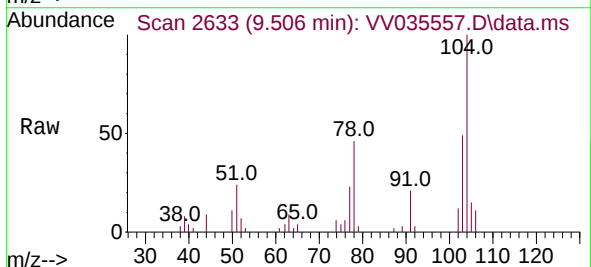
Instrument :
MSVOA_V
ClientSampleId :

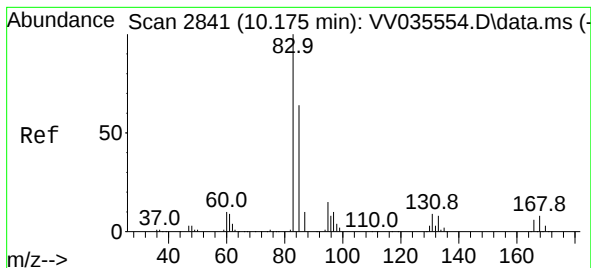
Tgt Ion:106 Resp: 9362
Ion Ratio Lower Upper
106 100
91 208.7 150.9 280.3



#55
Styrene
Concen: 0.663 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.013 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion:104 Resp: 13935
Ion Ratio Lower Upper
104 100
78 45.8 30.0 55.6





#57

1,1,2,2-Tetrachloroethane

Concen: 1.074 ug/L

RT: 10.178 min Scan# 2841

Delta R.T. 0.003 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

ClientSampleId :

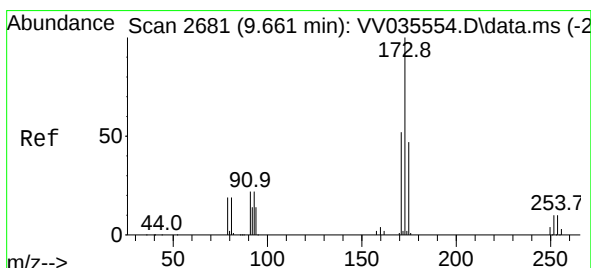
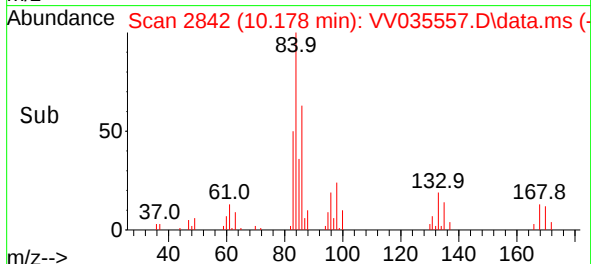
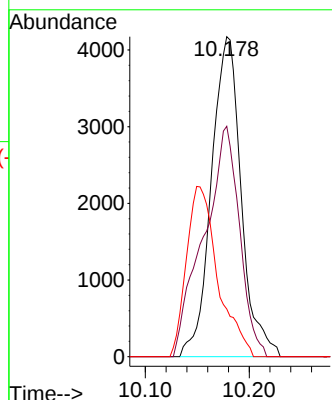
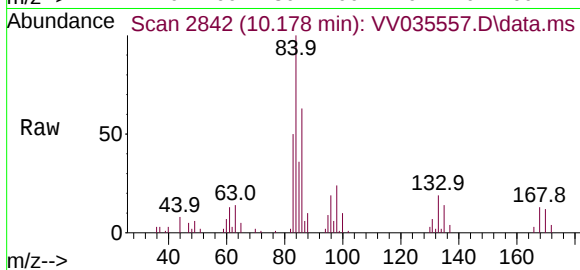
Tgt Ion: 83 Resp: 8324

Ion Ratio Lower Upper

83 100

85 72.0 44.7 83.1

131 14.9 8.0 12.0#



#59

Bromoform

Concen: 1.040 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.010 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

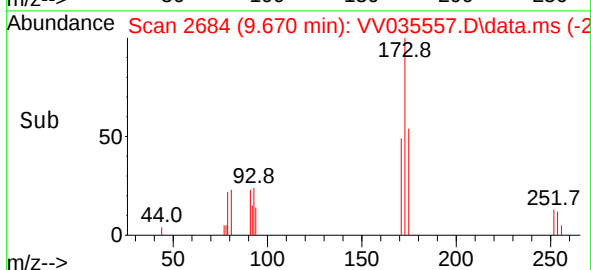
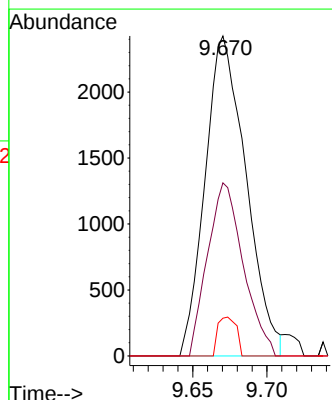
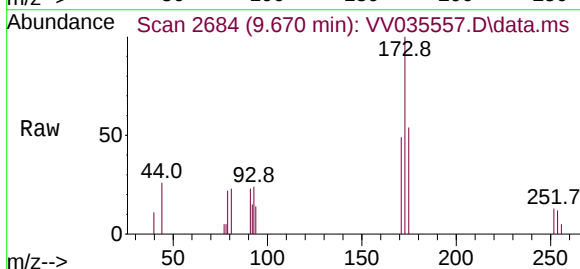
Tgt Ion:173 Resp: 4648

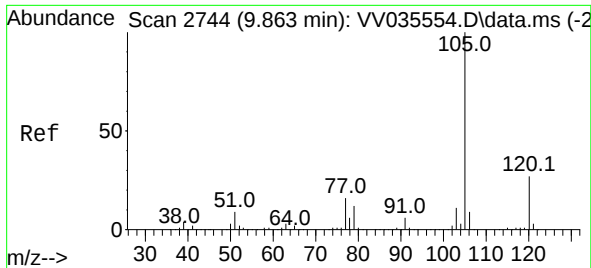
Ion Ratio Lower Upper

173 100

175 47.2 38.7 58.1

254 5.5 8.3 12.5#

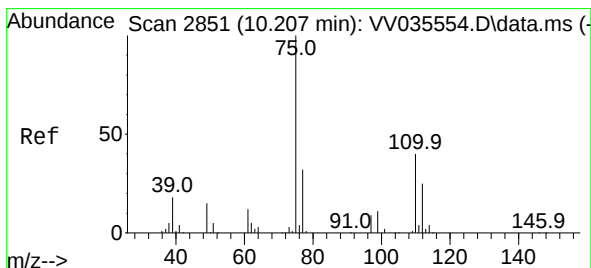
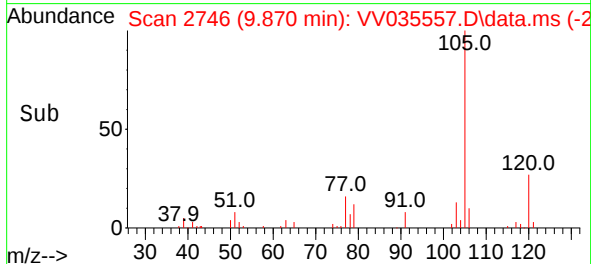
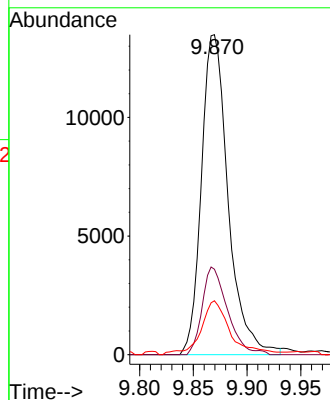
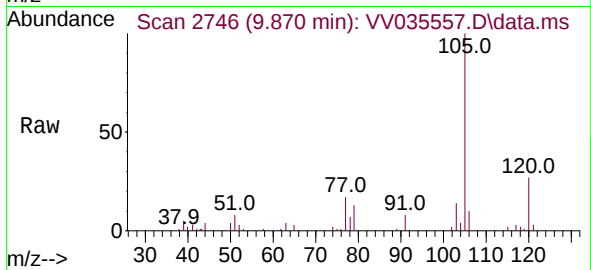




#60
Isopropylbenzene
Concen: 0.770 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

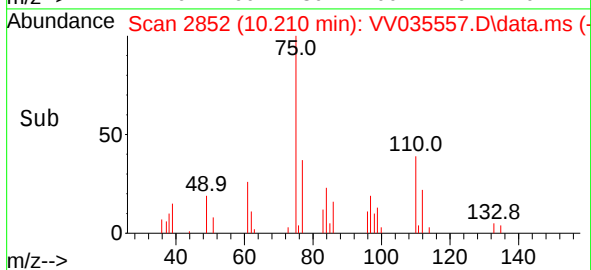
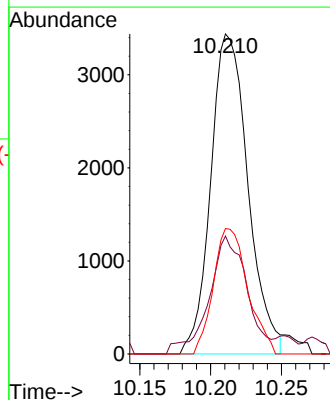
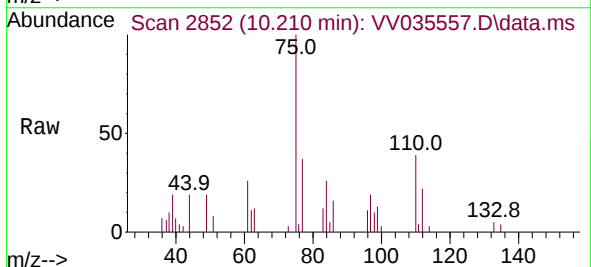
Instrument :
MSVOA_V
ClientSampleId :

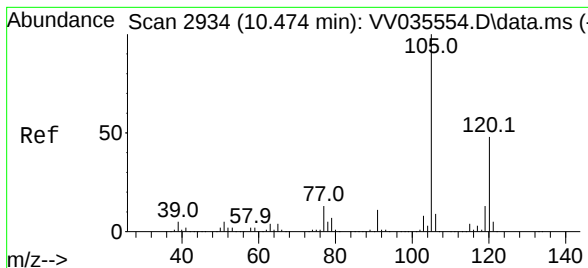
Tgt Ion:105 Resp: 23325
Ion Ratio Lower Upper
105 100
120 25.5 21.3 31.9
77 15.2 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 1.179 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion: 75 Resp: 6280
Ion Ratio Lower Upper
75 100
77 30.2 25.7 38.5
110 36.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 0.742 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

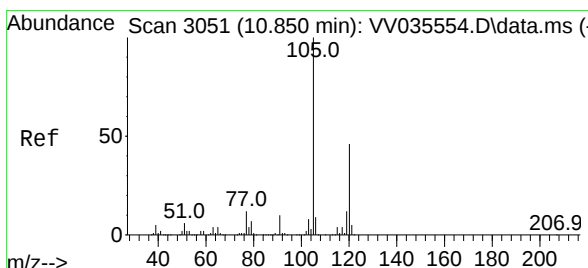
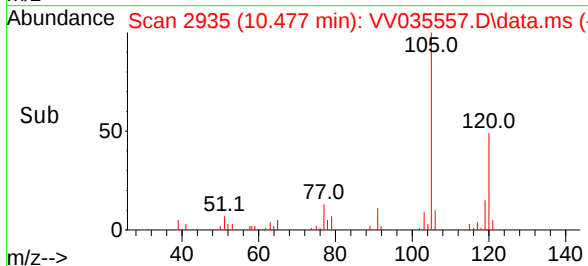
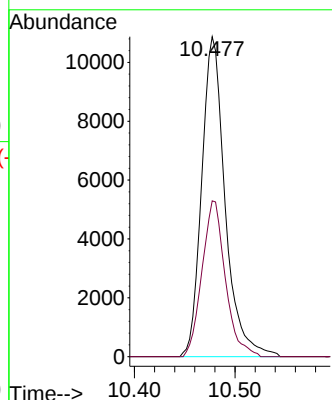
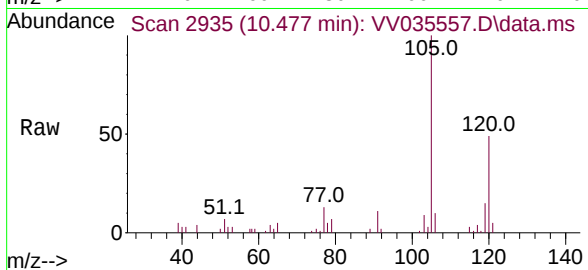
ClientSampleId :

Tgt Ion:105 Resp: 17620

Ion Ratio Lower Upper

105 100

120 48.5 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 0.723 ug/L

RT: 10.854 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV035557.D

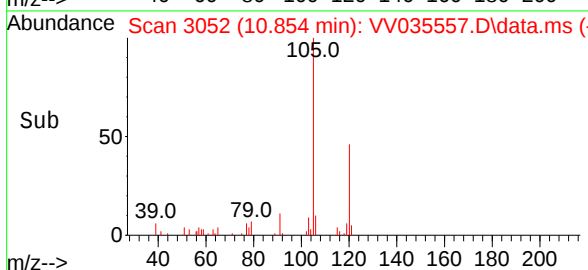
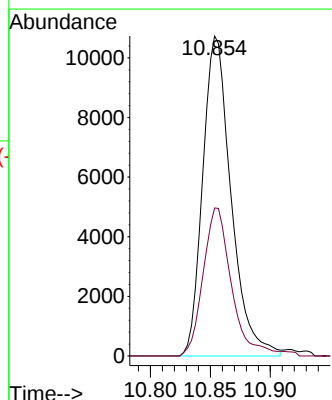
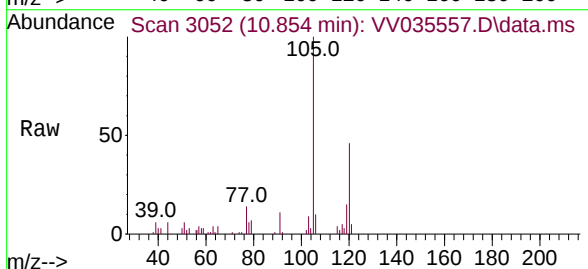
Acq: 08 May 2024 11:25

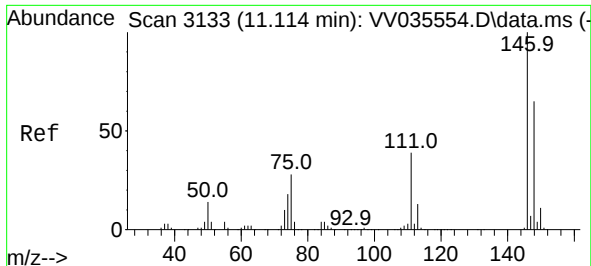
Tgt Ion:105 Resp: 17649

Ion Ratio Lower Upper

105 100

120 46.8 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 0.995 ug/L

RT: 11.124 min Scan# 3133

Delta R.T. 0.010 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

ClientSampleId :

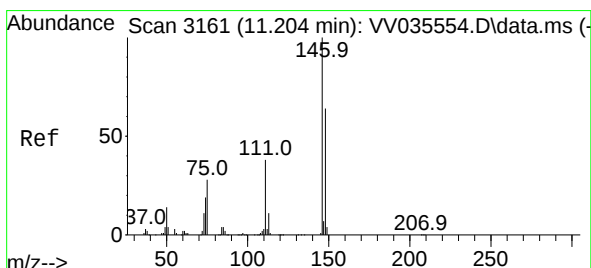
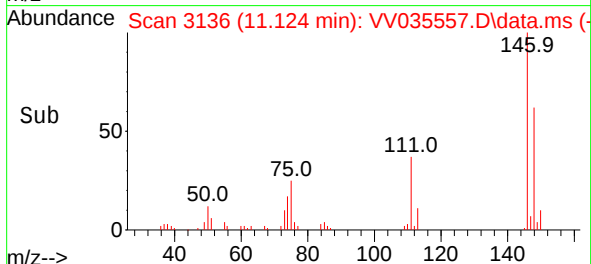
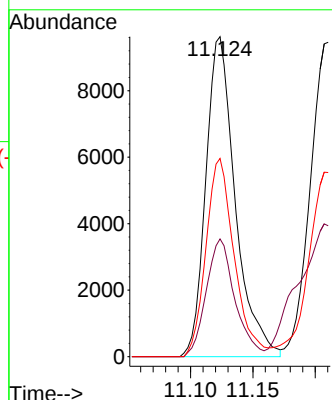
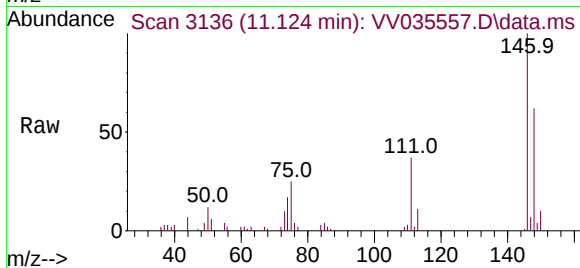
Tgt Ion:146 Resp: 15823

Ion Ratio Lower Upper

146 100

111 36.8 27.0 50.2

148 62.0 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 1.057 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.006 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

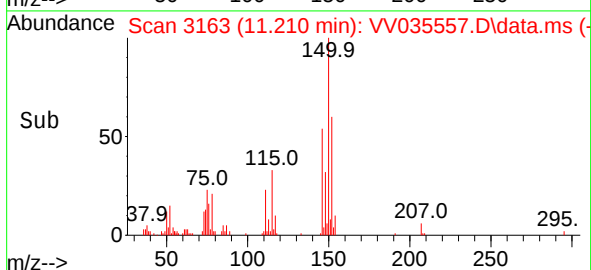
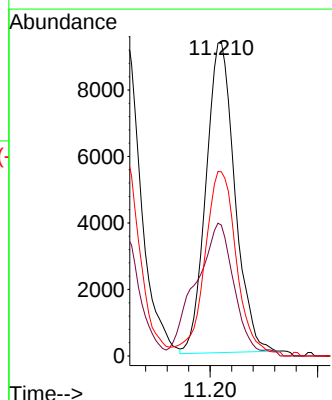
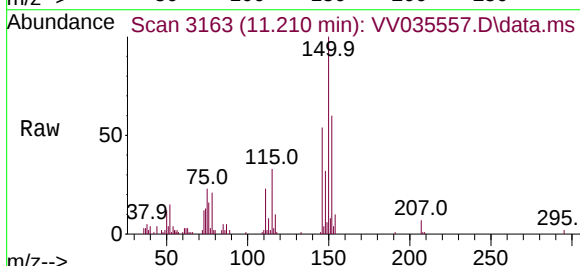
Tgt Ion:146 Resp: 17397

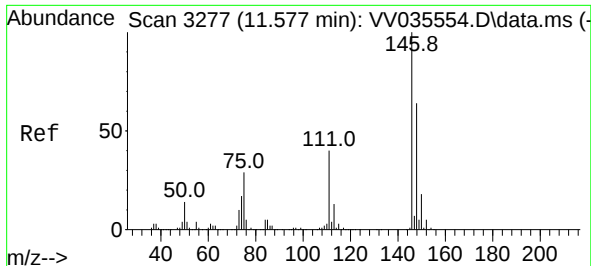
Ion Ratio Lower Upper

146 100

111 41.6 26.2 48.6

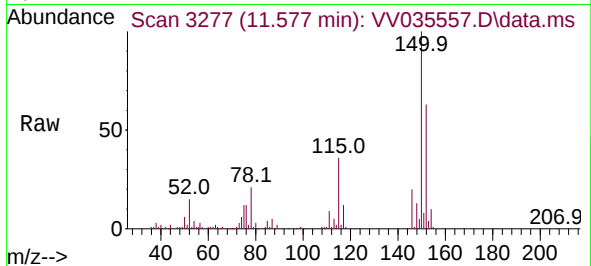
148 58.6 44.9 83.3



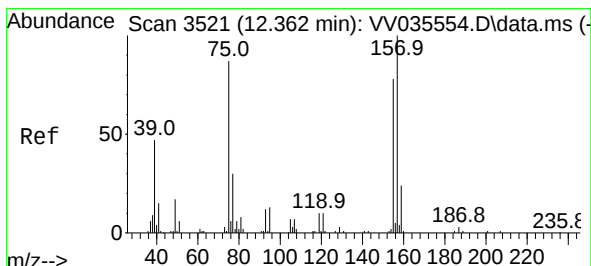
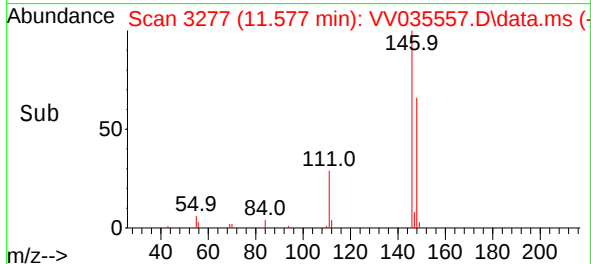
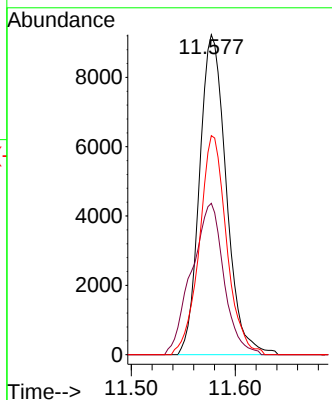


#67
1,2-Dichlorobenzene
Concen: 1.101 ug/L
RT: 11.577 min Scan# 3277
Delta R.T. -0.000 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Instrument :
MSVOA_V
ClientSampleId :

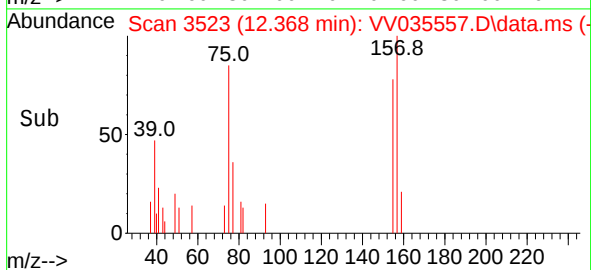
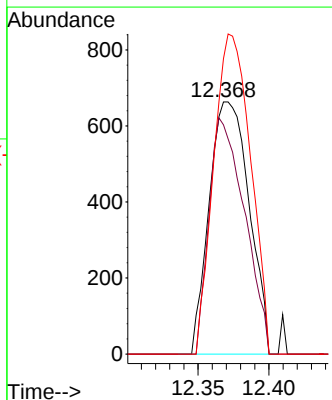
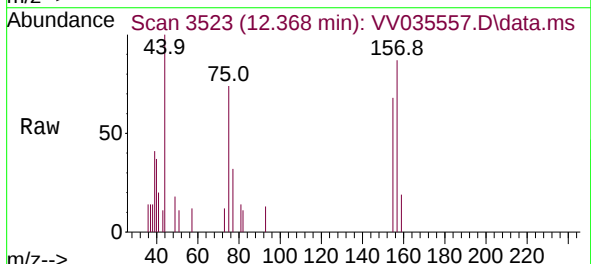


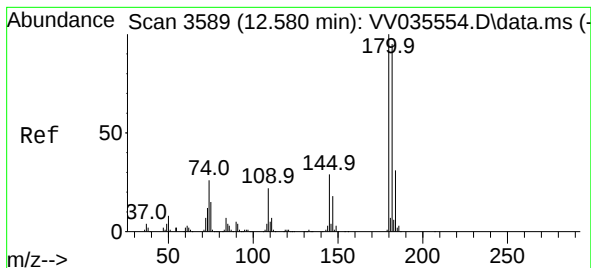
Tgt Ion:146 Resp: 16470
Ion Ratio Lower Upper
146 100
111 47.3 32.6 48.8
148 68.4 51.1 76.7



#68
1,2-Dibromo-3-chloropropane
Concen: 1.053 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.006 min
Lab File: VV035557.D
Acq: 08 May 2024 11:25

Tgt Ion: 75 Resp: 1301
Ion Ratio Lower Upper
75 100
155 91.0 69.8 104.6
157 117.2 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 0.951 ug/L

RT: 12.583 min Scan# 3589

Delta R.T. 0.003 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 11815

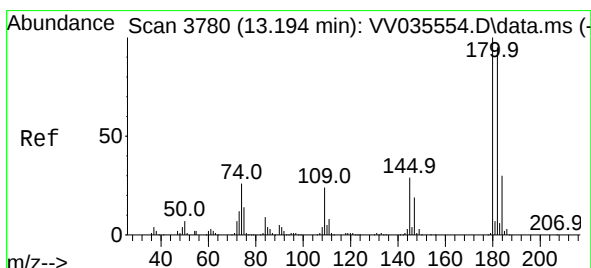
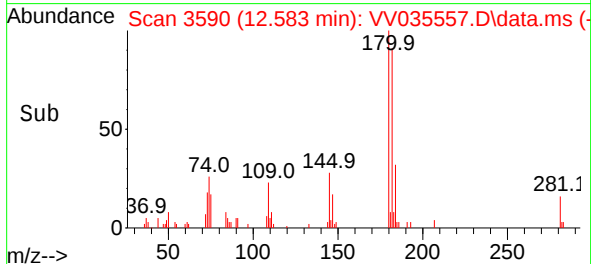
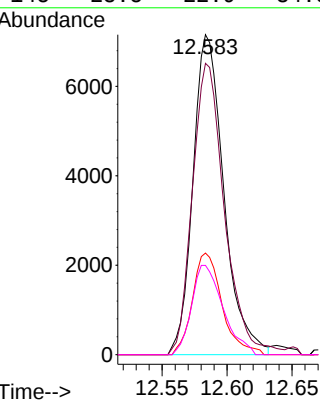
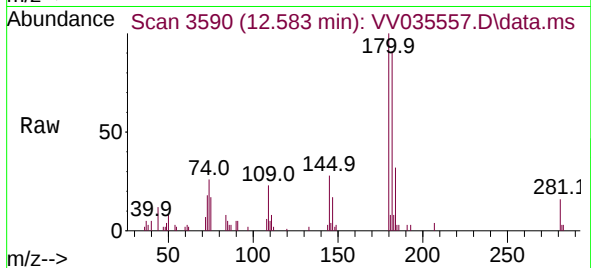
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.2

184 30.6 24.1 36.1

145 28.5 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 0.947 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

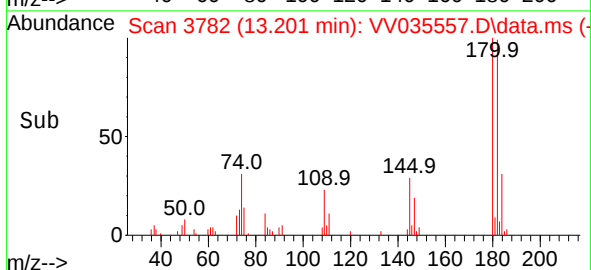
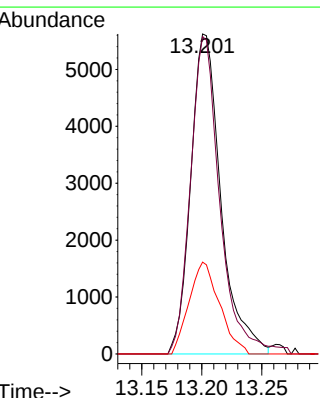
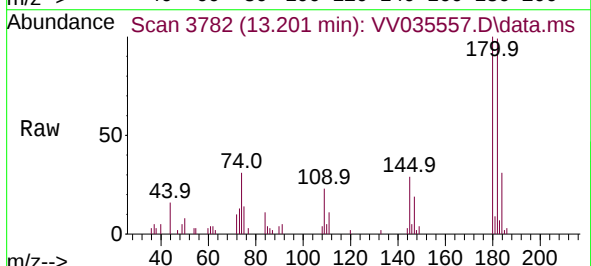
Tgt Ion:180 Resp: 9825

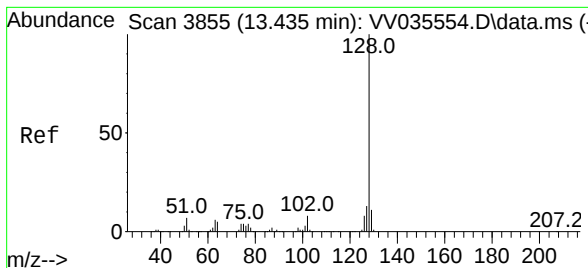
Ion Ratio Lower Upper

180 100

182 96.4 76.6 114.8

145 29.0 23.2 34.8





#71

Naphthalene

Concen: 0.821 ug/L

RT: 13.445 min Scan# 3855

Delta R.T. 0.010 min

Lab File: VV035557.D

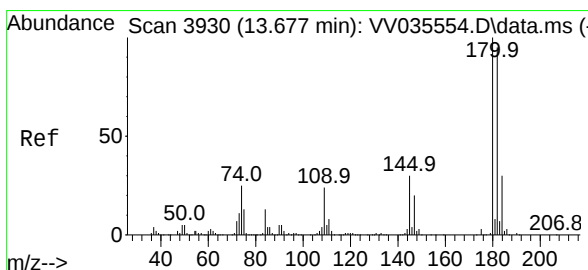
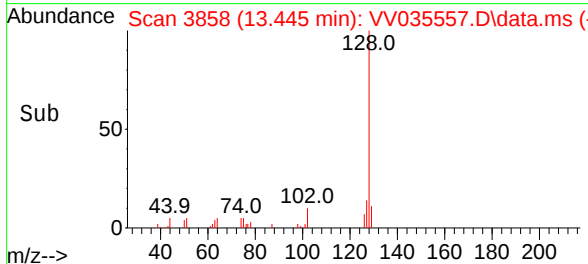
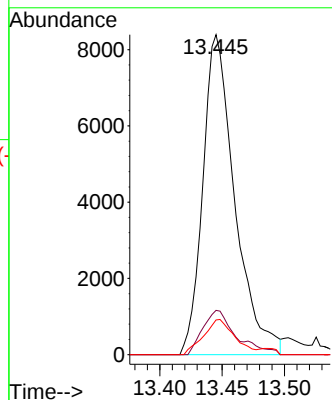
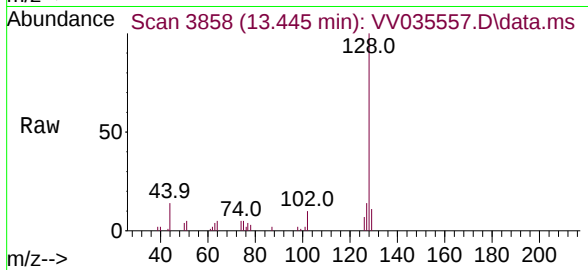
Acq: 08 May 2024 11:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	14954
Ion Ratio	Lower	Upper
128	100	
127	12.4	10.4 15.6
129	10.7	8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 0.957 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

Lab File: VV035557.D

Acq: 08 May 2024 11:25

Tgt Ion:180	Resp:	8929
Ion Ratio	Lower	Upper
180	100	
182	97.0	75.8 113.6
145	36.2	25.2 37.8

