

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052924\
 Data File : VV035878.D
 Acq On : 29 May 2024 20:38
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 01:21:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 01:13:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	423256	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	440228	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	239191	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	181494	27.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 110.960%	
7) Chloroethane-d5	1.529	69	151452	28.697	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 114.800%	
11) 1,1-Dichloroethene-d2	2.053	65	80212	27.696	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 110.800%#	
21) 2-Butanone-d5	3.844	46	97220	52.366	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 104.740%	
24) Chloroform-d	4.243	84	348802	27.720	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 110.880%	
26) 1,2-Dichloroethane-d4	4.941	65	184309	29.629	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 118.520%	
32) Benzene-d6	4.953	84	671937	27.884	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 111.520%	
36) 1,2-Dichloropropane-d6	5.986	67	213829	28.753	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 115.000%	
41) Toluene-d8	7.240	98	616915	28.764	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 115.040%	
43) trans-1,3-Dichloroprop...	7.551	79	88239	27.744	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 110.960%	
47) 2-Hexanone-d5	8.031	63	65208	48.763	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 97.520%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	148216	20.683	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 82.720%	
66) 1,2-Dichlorobenzene-d4	11.558	152	218282	26.296	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 105.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	151788	17.639	ug/L	99
3) Chloromethane	1.211	50	165575	19.165	ug/L	99
5) Vinyl chloride	1.278	62	180179	20.186	ug/L	100
6) Bromomethane	1.484	94	112030	19.823	ug/L	98
8) Chloroethane	1.545	64	124961	22.711	ug/L	100
9) Trichlorofluoromethane	1.709	101	253819	21.786	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	171266	23.299	ug/L	96
12) 1,1-Dichloroethene	2.063	96	147667	22.241	ug/L #	82
13) Acetone	2.388	43	88005	32.382	ug/L	71
14) Carbon disulfide	2.233	76	339553	16.146	ug/L	99
15) Methyl Acetate	2.388	43	94434	22.935	ug/L	95
16) Methylene chloride	2.442	84	230896	23.657	ug/L	95
17) trans-1,2-Dichloroethene	2.690	96	159781	21.677	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	468955	26.375	ug/L	97
19) 1,1-Dichloroethane	3.105	63	363801	26.327	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	182633	22.856	ug/L	96
22) 2-Butanone	3.912	43	104893	41.561	ug/L	90
23) Bromochloromethane	4.143	128	95443	24.696	ug/L	94
25) Chloroform	4.272	83	387830	27.180	ug/L	98

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 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 22 Sample Multiplier: 1

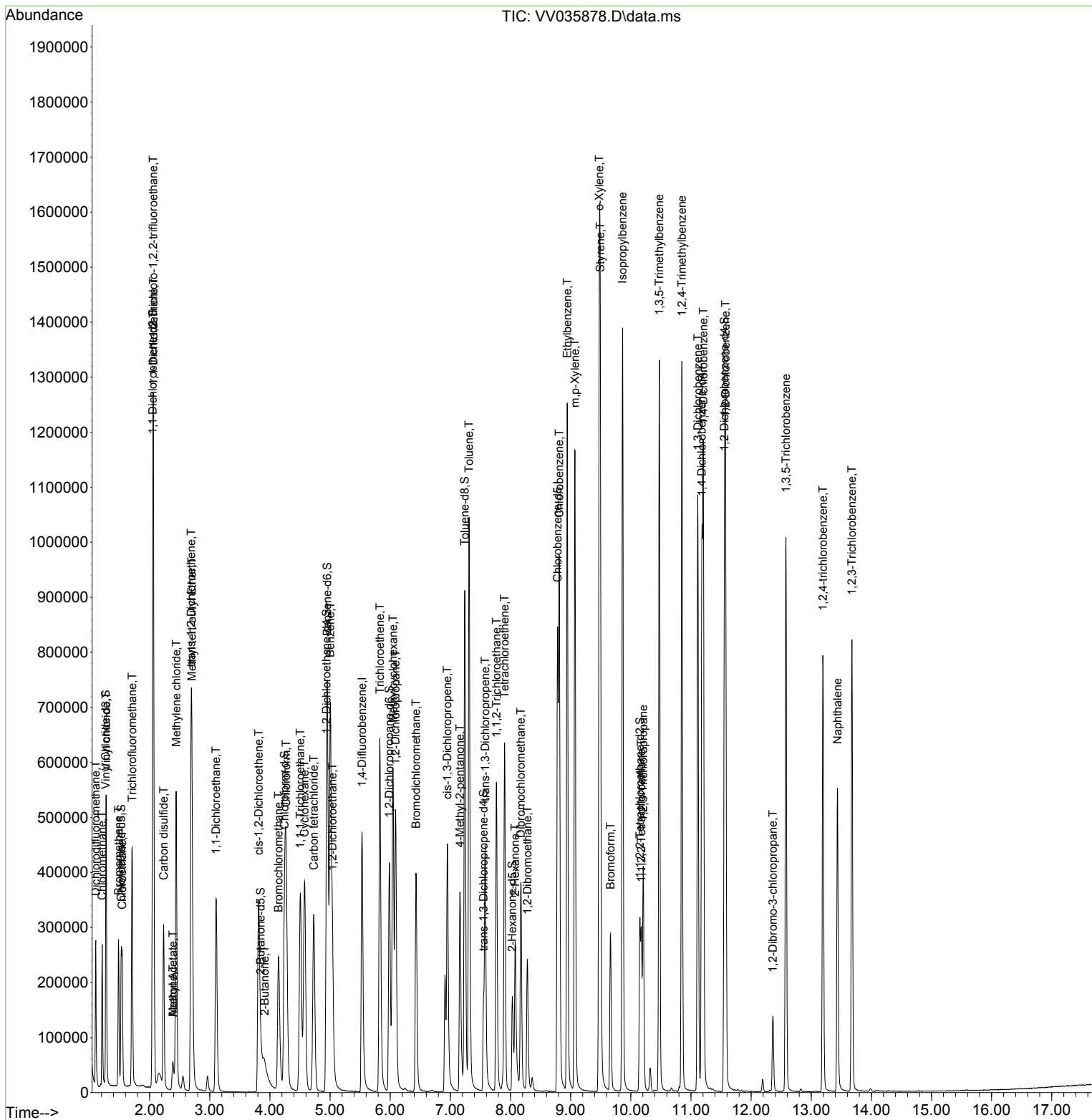
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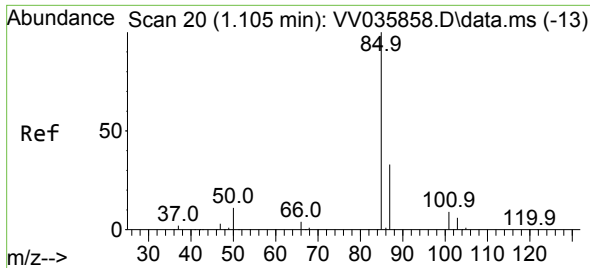
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 Quant Title : VOC Analysis
 QLast Update : Thu May 30 01:13:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	242917	27.339	ug/L	99
29) Cyclohexane	4.577	56	195869	18.606	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	303315	24.849	ug/L	98
31) Carbon tetrachloride	4.728	117	252939	23.617	ug/L	99
33) Benzene	5.005	78	730297	25.065	ug/L	100
34) Trichloroethene	5.828	95	226396	27.470	ug/L	98
35) Methylcyclohexane	6.047	83	236601	18.909	ug/L	96
37) 1,2-Dichloropropane	6.088	63	204409	26.890	ug/L	99
38) Bromodichloromethane	6.429	83	281628	27.349	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	293342	24.672	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	252674	55.502	ug/L	97
42) Toluene	7.310	91	784014	25.427	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	271757	26.129	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	177056	27.413	ug/L	98
46) Tetrachloroethene	7.902	164	144551	21.589	ug/L	99
48) 2-Hexanone	8.079	43	179825	52.682	ug/L	97
49) Dibromochloromethane	8.172	129	196803	27.004	ug/L	99
50) 1,2-Dibromoethane	8.281	107	165046	25.939	ug/L	99
51) Chlorobenzene	8.812	112	522120	24.404	ug/L	99
52) Ethylbenzene	8.944	91	838133	24.619	ug/L	99
53) m,p-Xylene	9.072	106	316116	24.475	ug/L	96
54) o-Xylene	9.477	106	306181	25.012	ug/L	99
55) Styrene	9.493	104	585951	27.444	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	144580	18.376	ug/L	99
59) Bromoform	9.664	173	128259	27.285	ug/L	100
60) Isopropylbenzene	9.863	105	845617	26.540	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	167117	29.816	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	668334	26.739	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	680870	26.508	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	435153	26.024	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	445916	25.760	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	418813	26.608	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	36755	28.275	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	307670	23.546	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	247333	22.669	ug/L	100
71) Naphthalene	13.435	128	435076	22.714	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	247086	25.173	ug/L	100

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

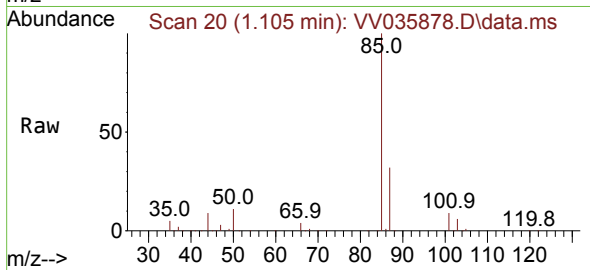
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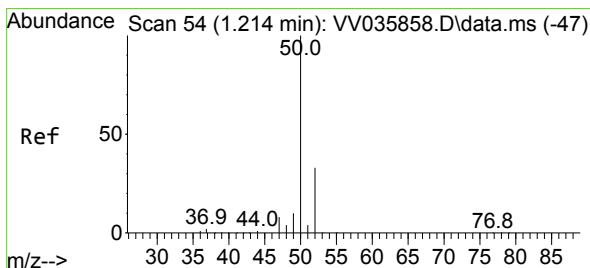
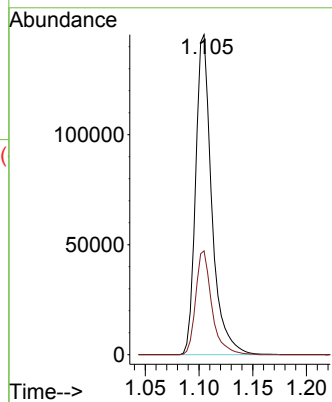
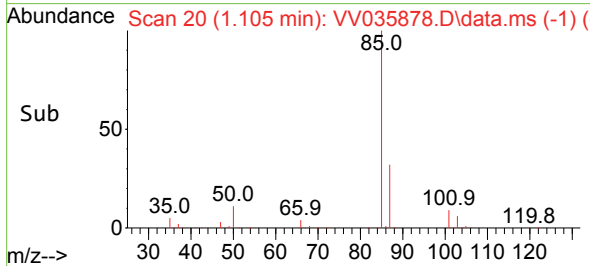


#2
Dichlorodifluoromethane
Concen: 17.639 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Instrument :
MSVOA_V
ClientSampleId :

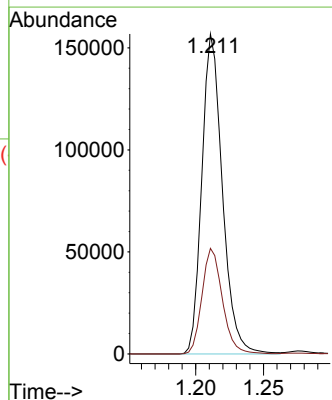
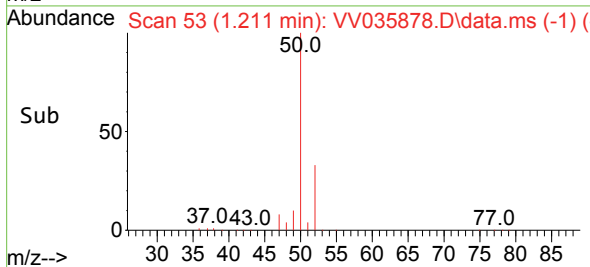
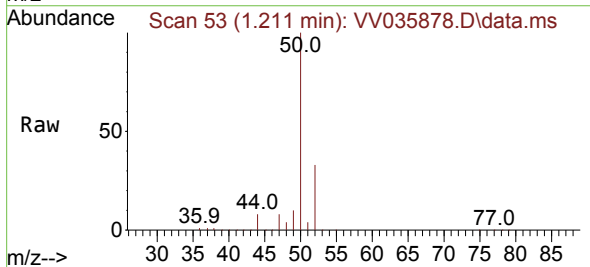


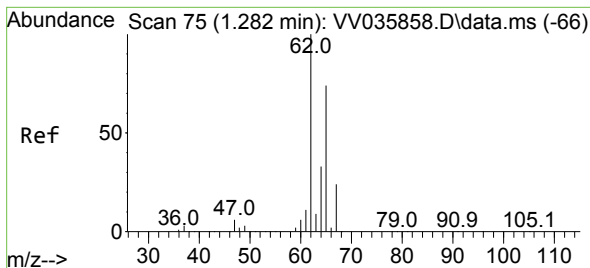
Tgt Ion: 85 Resp: 151788
Ion Ratio Lower Upper
85 100
87 32.5 25.8 38.6



#3
Chloromethane
Concen: 19.165 ug/L
RT: 1.211 min Scan# 53
Delta R.T. -0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion: 50 Resp: 165575
Ion Ratio Lower Upper
50 100
52 33.0 22.7 42.1





#5

Vinyl chloride

Concen: 20.186 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

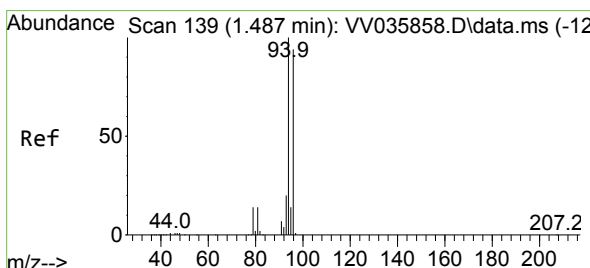
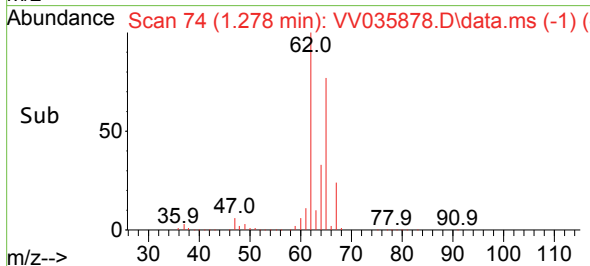
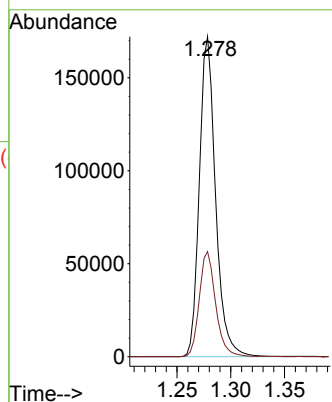
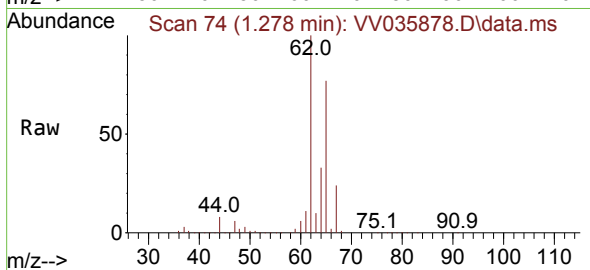
ClientSampleId :

Tgt Ion: 62 Resp: 180179

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.6



#6

Bromomethane

Concen: 19.823 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.003 min

Lab File: VV035878.D

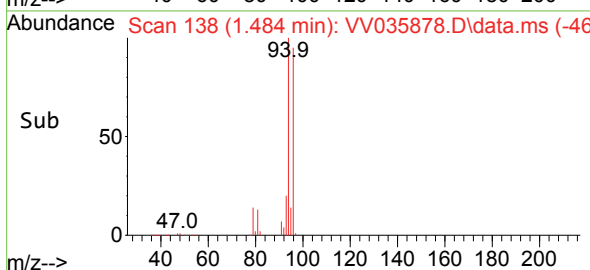
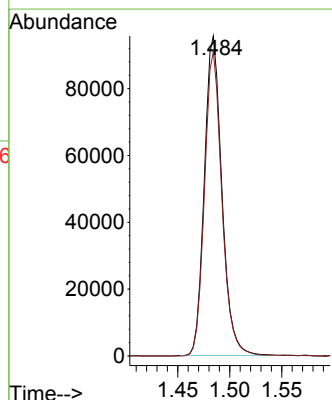
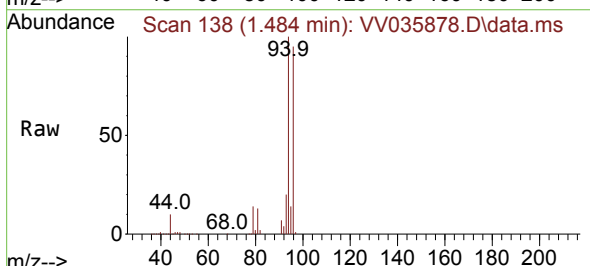
Acq: 29 May 2024 20:38

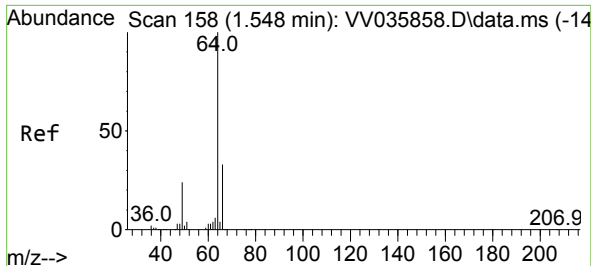
Tgt Ion: 94 Resp: 112030

Ion Ratio Lower Upper

94 100

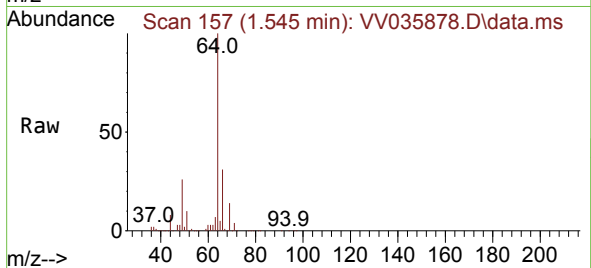
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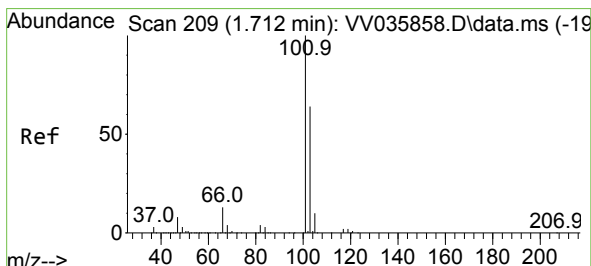
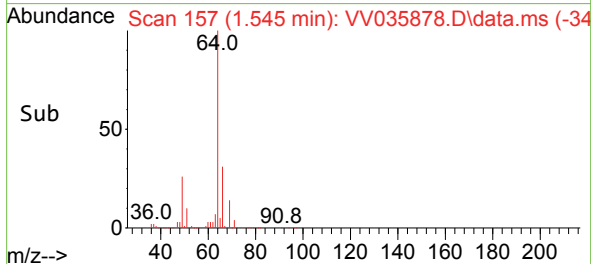
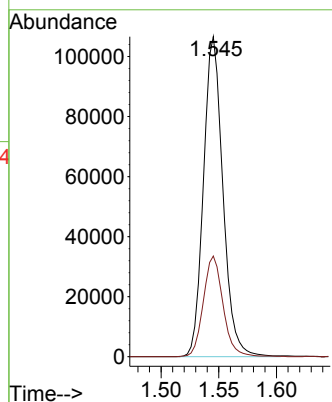


#8
Chloroethane
Concen: 22.711 ug/L
RT: 1.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Instrument :
MSVOA_V
ClientSampleId :

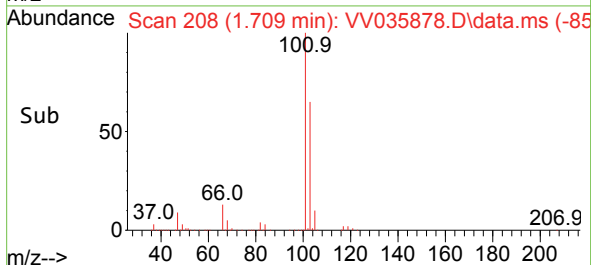
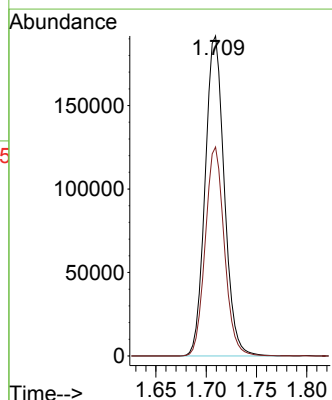
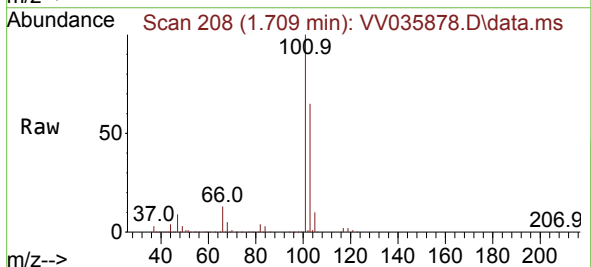


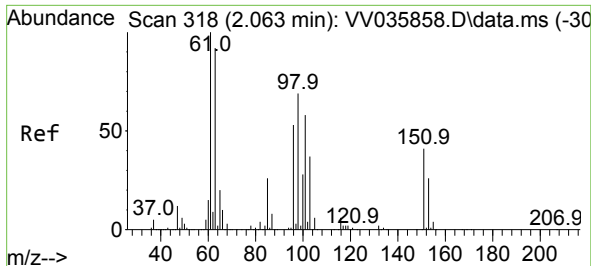
Tgt Ion: 64 Resp: 124961
Ion Ratio Lower Upper
64 100
66 31.5 22.0 40.8



#9
Trichlorofluoromethane
Concen: 21.786 ug/L
RT: 1.709 min Scan# 208
Delta R.T. -0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion:101 Resp: 253819
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3





#10

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

Concen: 23.299 ug/L

RT: 2.060 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :

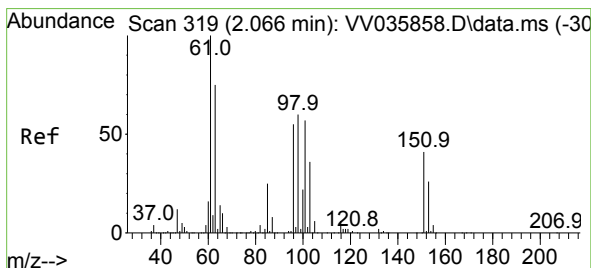
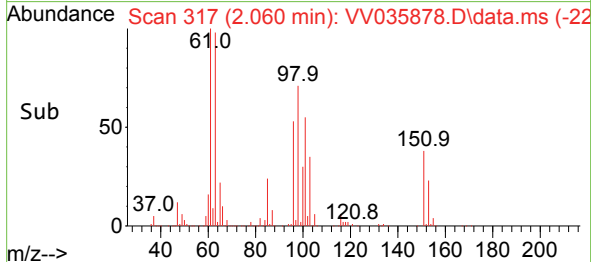
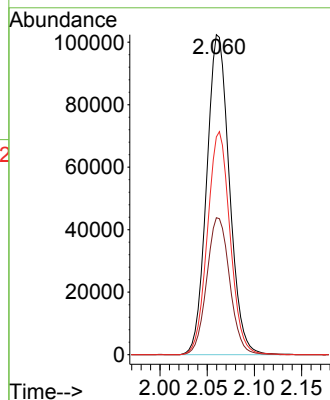
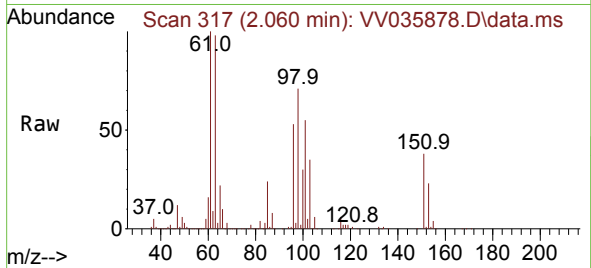
Tgt Ion:101 Resp: 171266

Ion Ratio Lower Upper

101 100

85 43.3 34.2 51.4

151 69.5 59.5 89.3



#12

1,1-Dichloroethene

Concen: 22.241 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

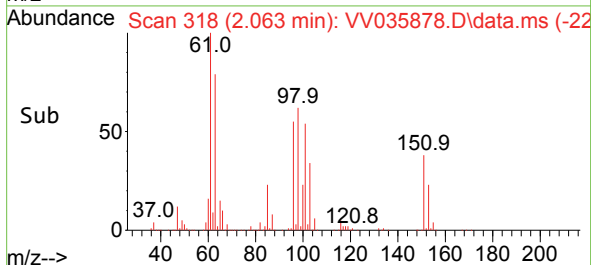
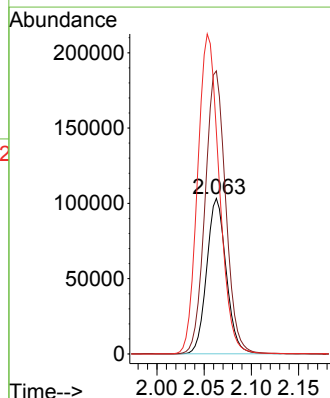
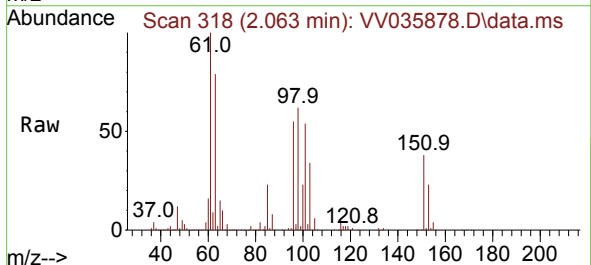
Tgt Ion: 96 Resp: 147667

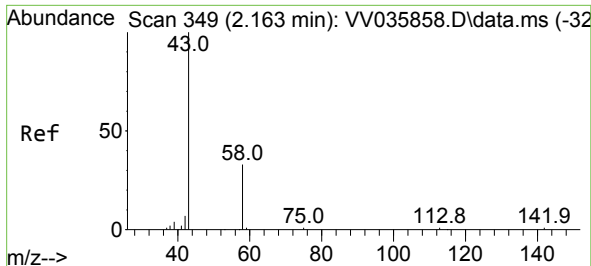
Ion Ratio Lower Upper

96 100

61 182.0 119.8 222.4

63 143.1 75.6 140.4#





#13

Acetone

Concen: 32.382 ug/L

RT: 2.388 min Scan# 41

Delta R.T. 0.225 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

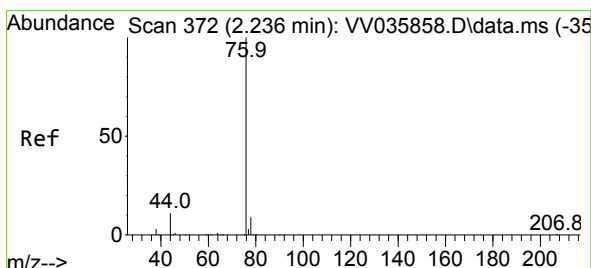
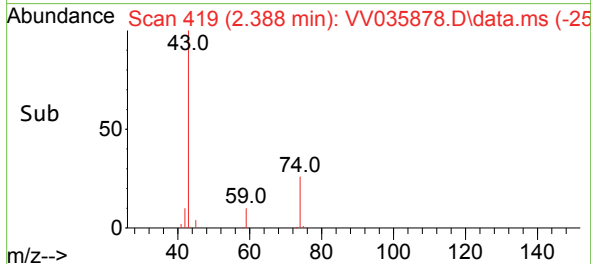
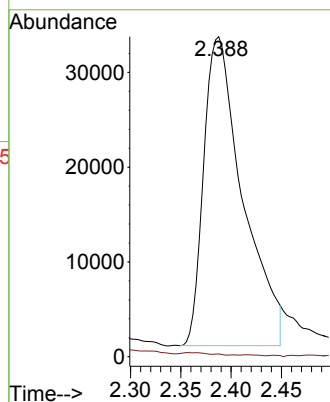
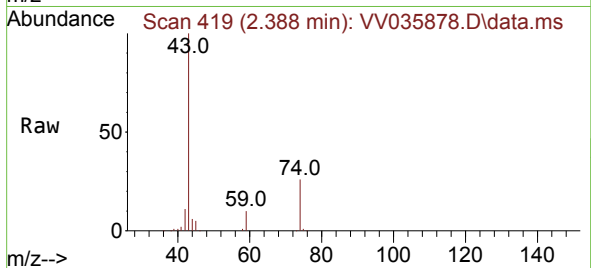
ClientSampleId :

Tgt Ion: 43 Resp: 88005

Ion Ratio Lower Upper

43 100

58 0.1 0.0 22.8



#14

Carbon disulfide

Concen: 16.146 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.003 min

Lab File: VV035878.D

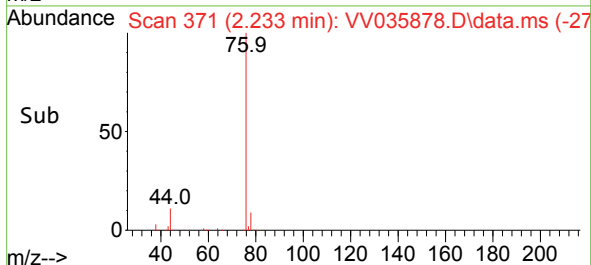
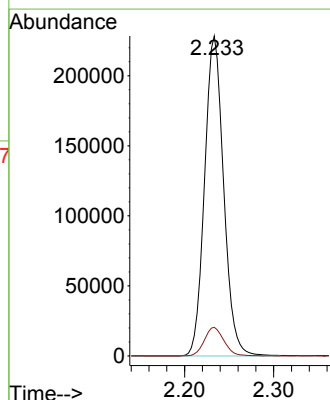
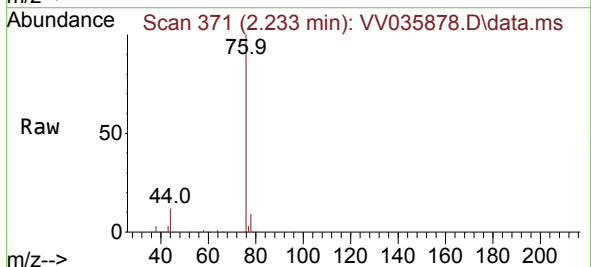
Acq: 29 May 2024 20:38

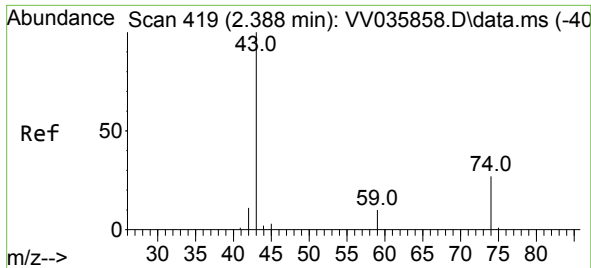
Tgt Ion: 76 Resp: 339553

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

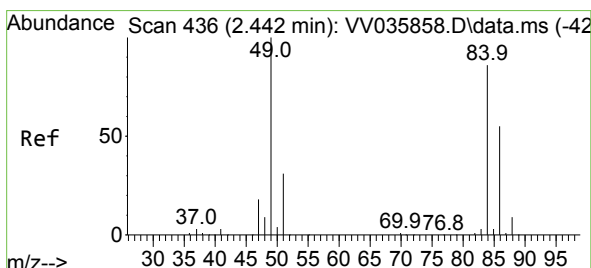
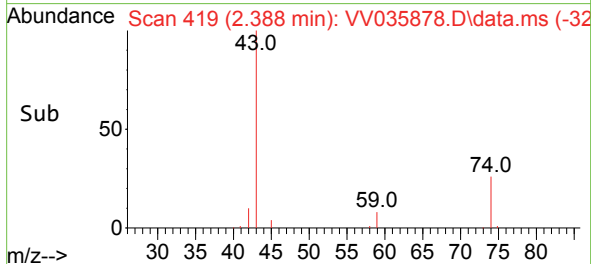
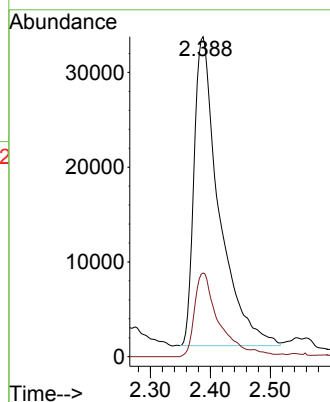
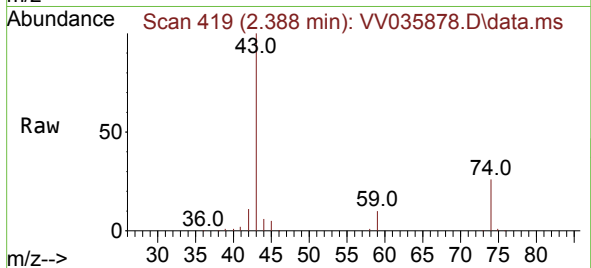




#15
Methyl Acetate
Concen: 22.935 ug/L
RT: 2.388 min Scan# 419
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

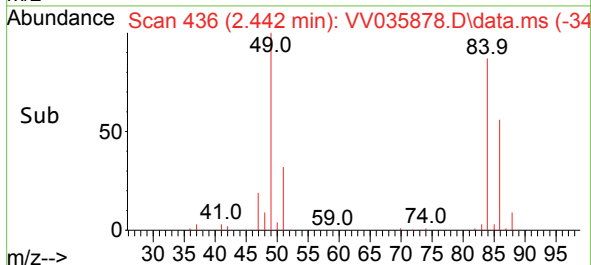
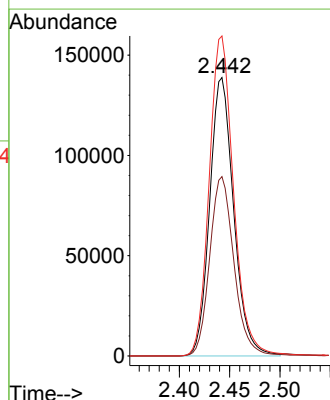
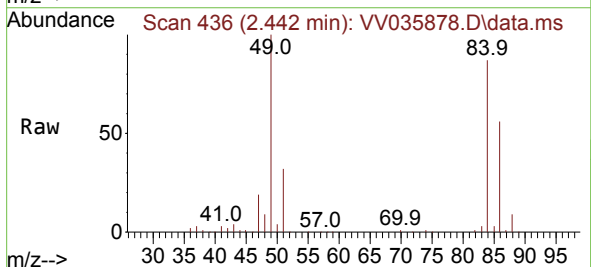
Instrument :
MSVOA_V
ClientSampleId :

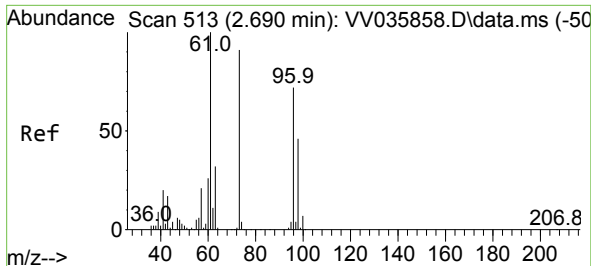
Tgt Ion: 43 Resp: 94434
Ion Ratio Lower Upper
43 100
74 25.4 18.6 27.8



#16
Methylene chloride
Concen: 23.657 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion: 84 Resp: 230896
Ion Ratio Lower Upper
84 100
86 64.4 43.8 81.3
49 114.9 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 21.677 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

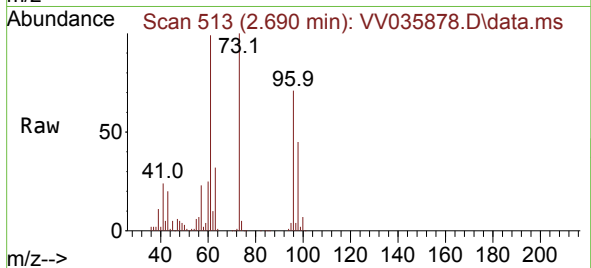
Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :



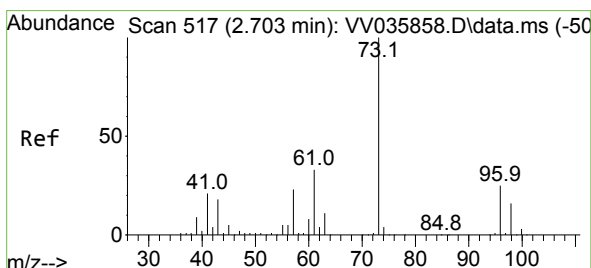
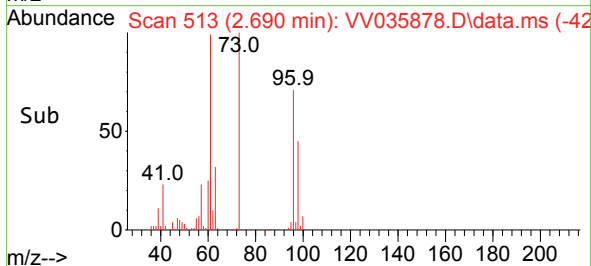
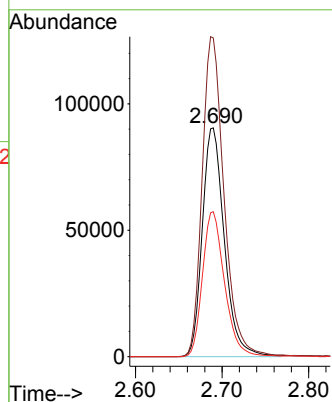
Tgt Ion: 96 Resp: 159781

Ion Ratio Lower Upper

96 100

61 139.3 95.5 177.4

98 63.4 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 26.375 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

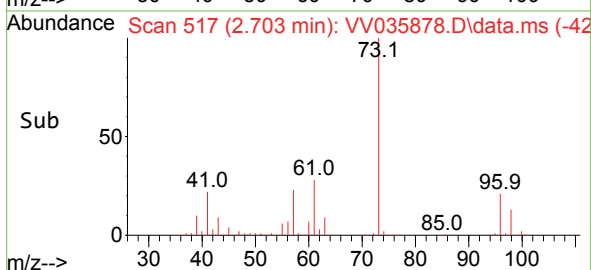
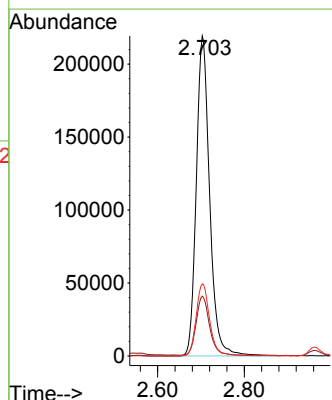
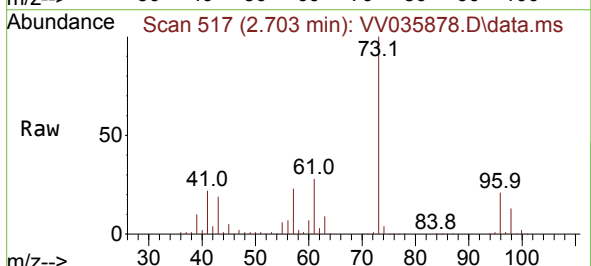
Tgt Ion: 73 Resp: 468955

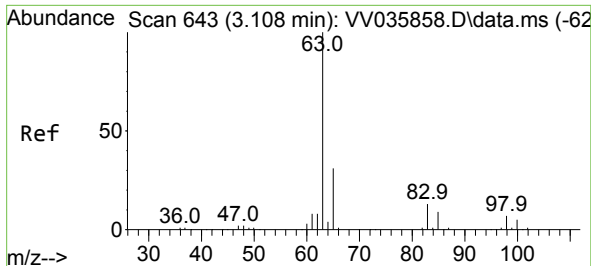
Ion Ratio Lower Upper

73 100

43 18.5 13.3 19.9

57 23.0 17.4 26.2





#19

1,1-Dichloroethane

Concen: 26.327 ug/L

RT: 3.105 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :

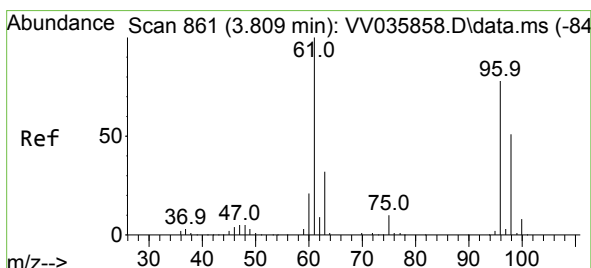
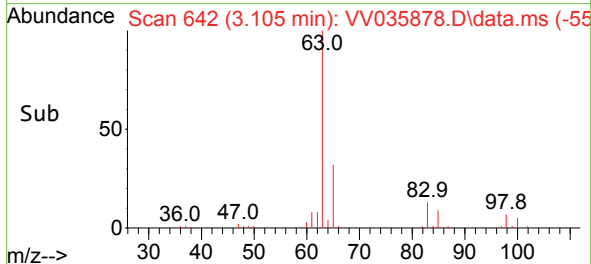
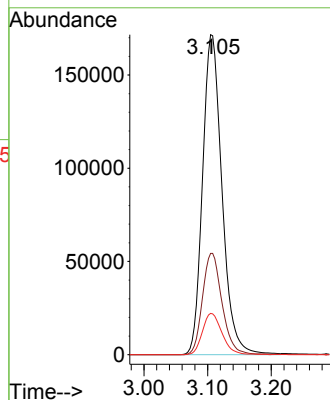
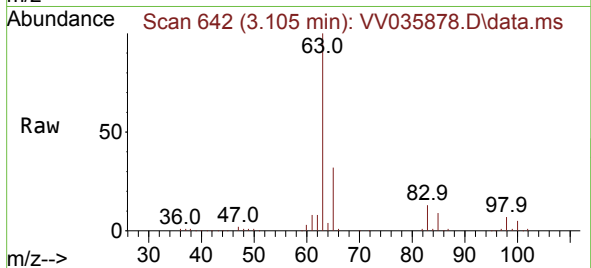
Tgt Ion: 63 Resp: 363801

Ion Ratio Lower Upper

63 100

65 31.7 22.7 42.3

83 12.9 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 22.856 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

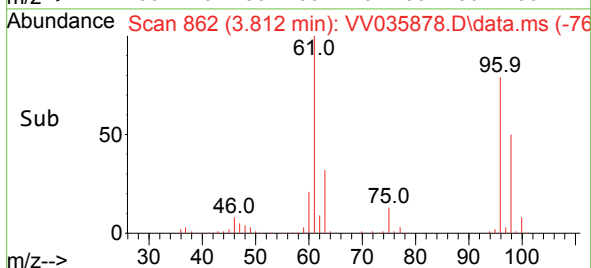
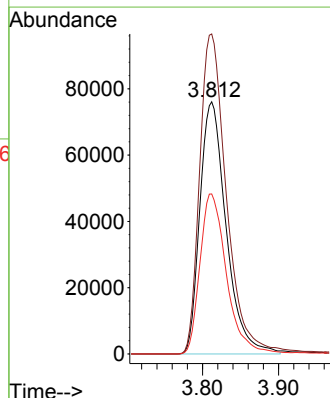
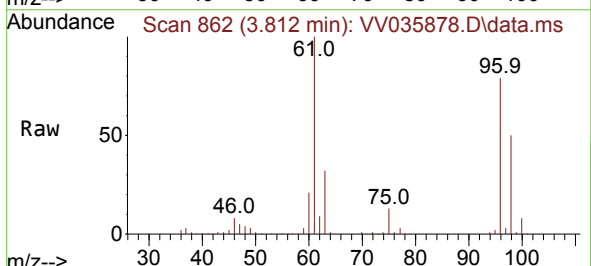
Tgt Ion: 96 Resp: 182633

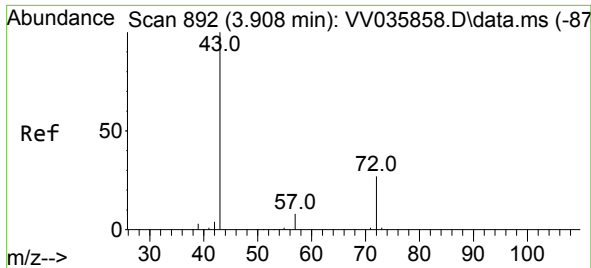
Ion Ratio Lower Upper

96 100

61 126.9 83.9 155.9

98 63.5 44.0 81.8

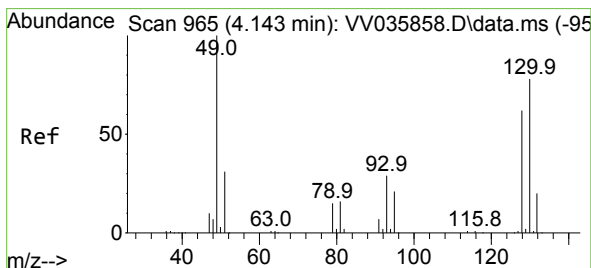
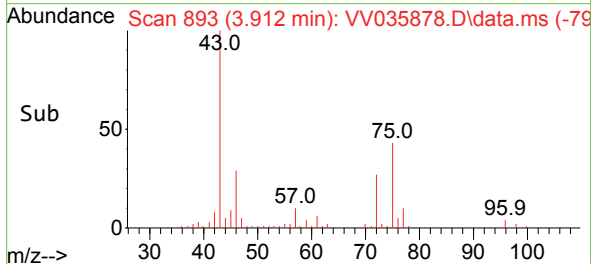
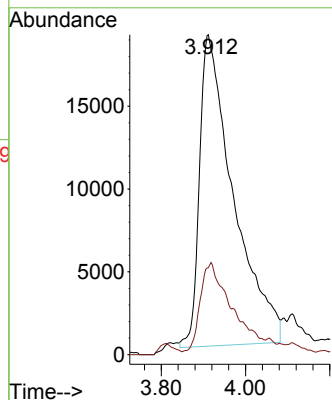
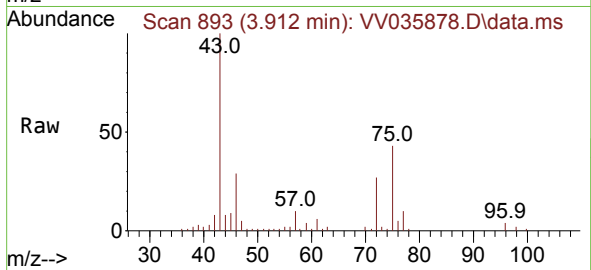




#22
2-Butanone
Concen: 41.561 ug/L
RT: 3.912 min Scan# 892
Delta R.T. 0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

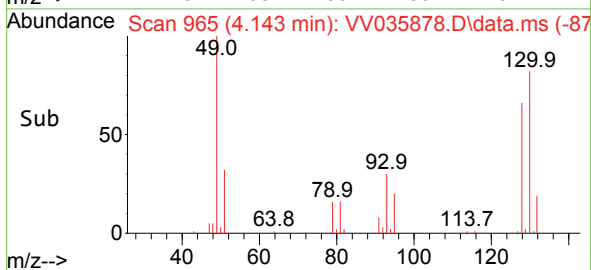
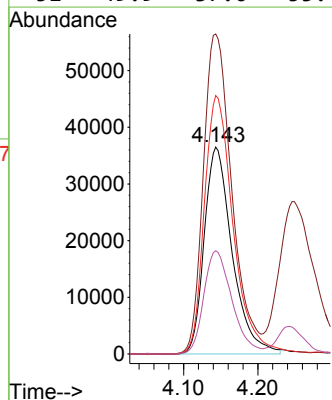
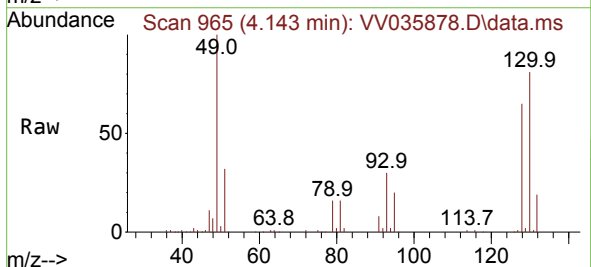
Instrument :
MSVOA_V
ClientSampleId :

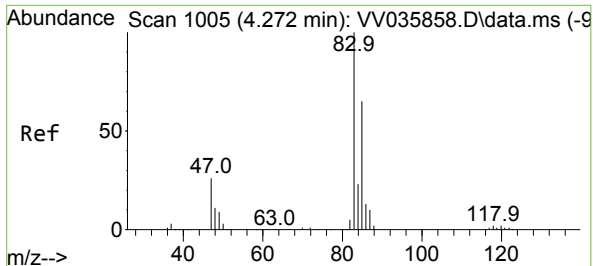
Tgt Ion: 43 Resp: 104893
Ion Ratio Lower Upper
43 100
72 19.8 12.3 36.9



#23
Bromochloromethane
Concen: 24.696 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion:128 Resp: 95443
Ion Ratio Lower Upper
128 100
49 154.6 103.1 191.5
130 124.9 91.8 170.4
51 49.9 37.0 55.4

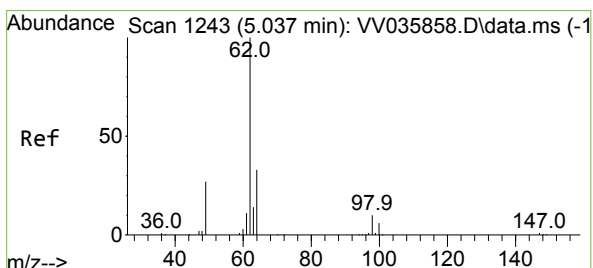
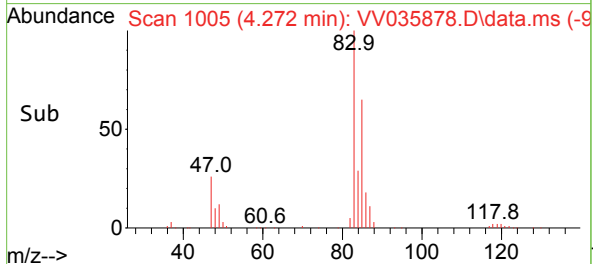
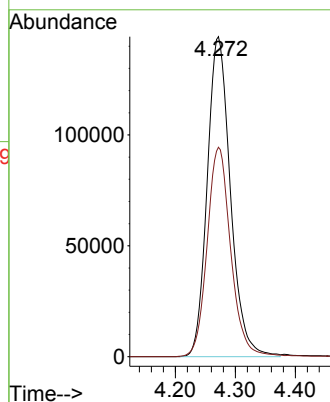
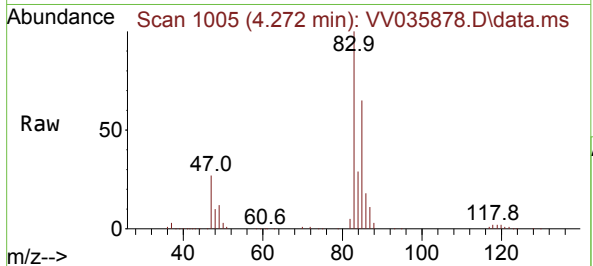




#25
Chloroform
Concen: 27.180 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

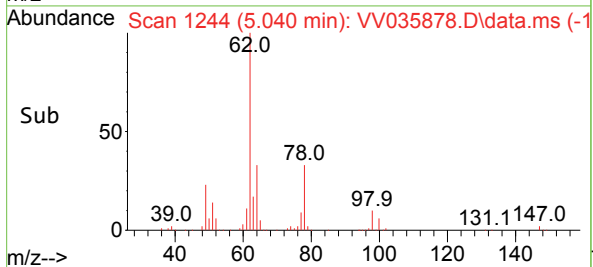
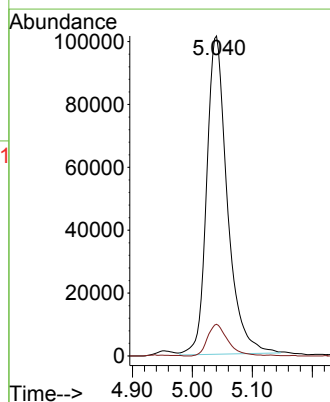
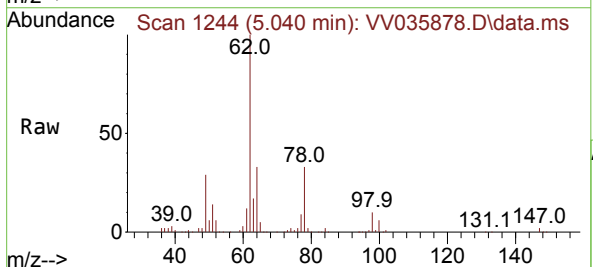
Instrument :
MSVOA_V
ClientSampleId :

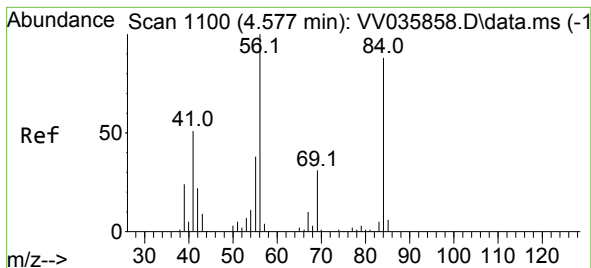
Tgt Ion: 83 Resp: 387830
Ion Ratio Lower Upper
83 100
85 65.5 44.7 82.9



#27
1,2-Dichloroethane
Concen: 27.339 ug/L
RT: 5.040 min Scan# 1244
Delta R.T. 0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion: 62 Resp: 242917
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2





#29

Cyclohexane

Concen: 18.606 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

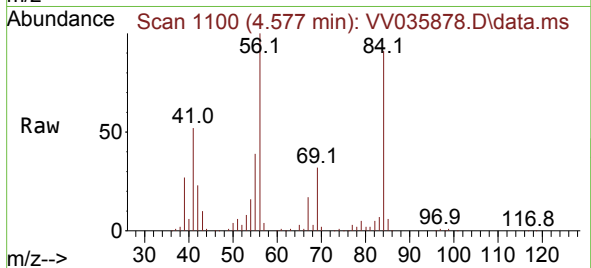
Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :



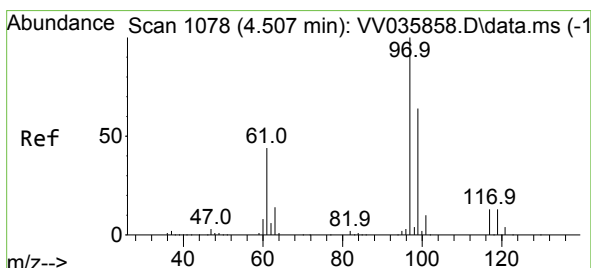
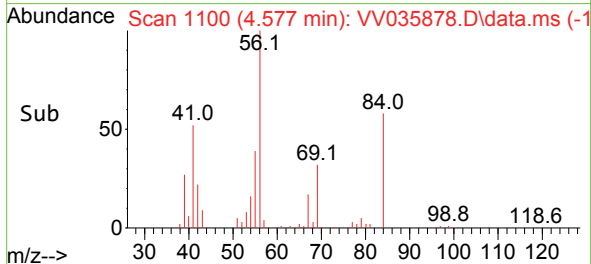
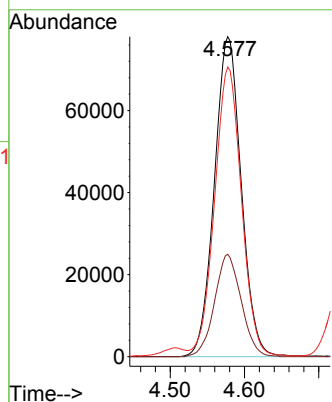
Tgt Ion: 56 Resp: 195869

Ion Ratio Lower Upper

56 100

69 31.7 25.6 38.4

84 90.1 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 24.849 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

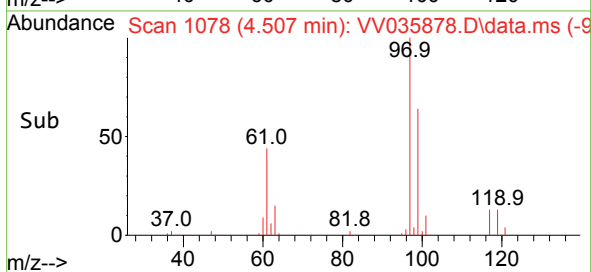
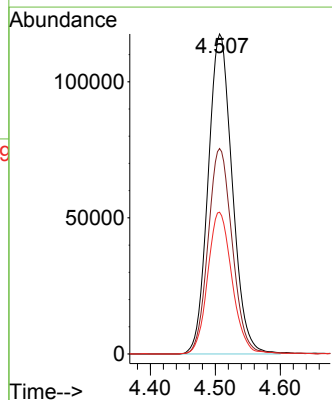
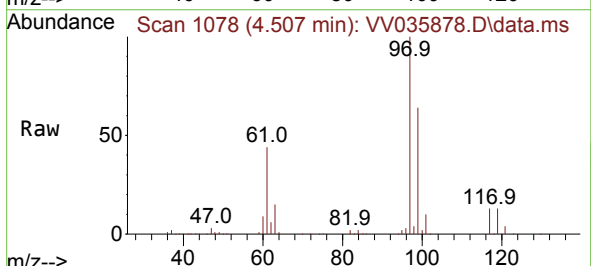
Tgt Ion: 97 Resp: 303315

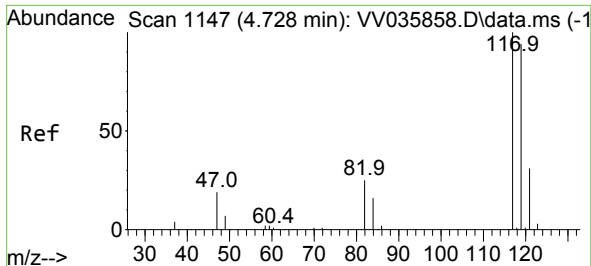
Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

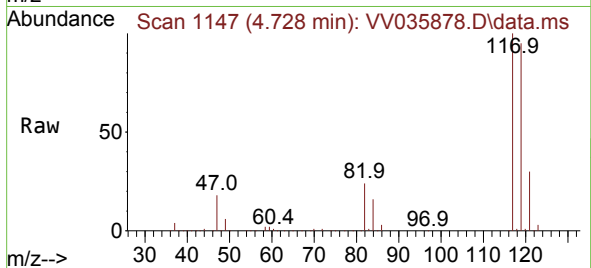
61 44.8 33.5 50.3



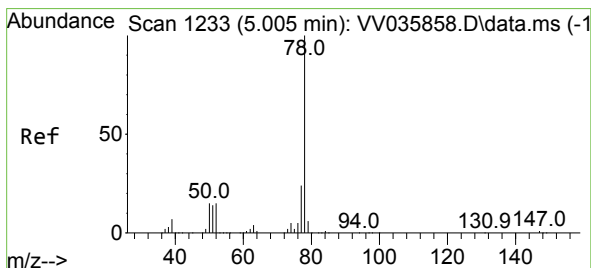
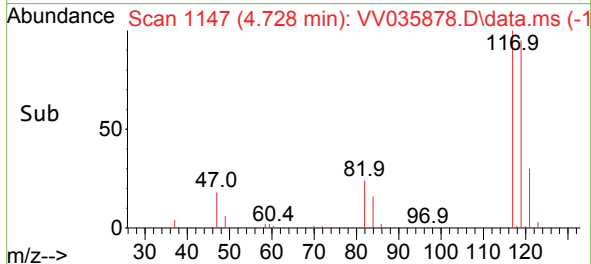
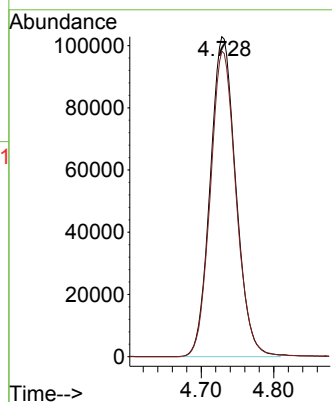


#31
Carbon tetrachloride
Concen: 23.617 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Instrument :
MSVOA_V
ClientSampleId :

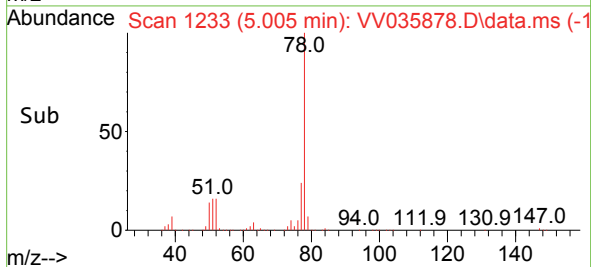
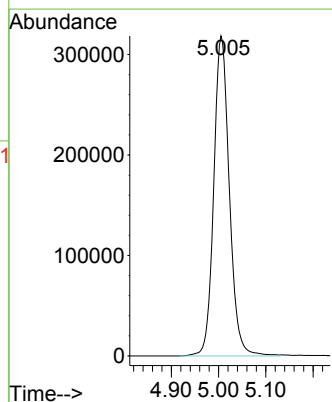
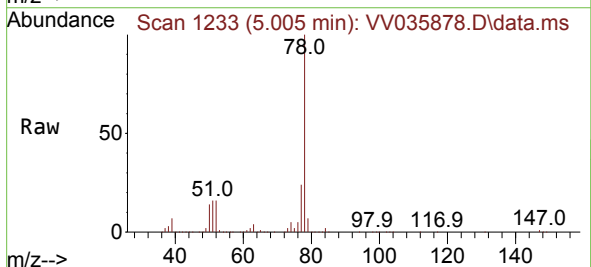


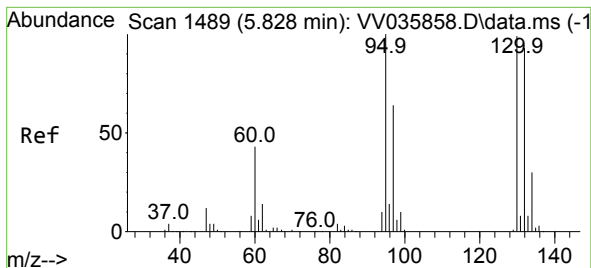
Tgt Ion:117 Resp: 252939
Ion Ratio Lower Upper
117 100
119 95.7 77.3 115.9



#33
Benzene
Concen: 25.065 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion: 78 Resp: 730297





#34

Trichloroethene

Concen: 27.470 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

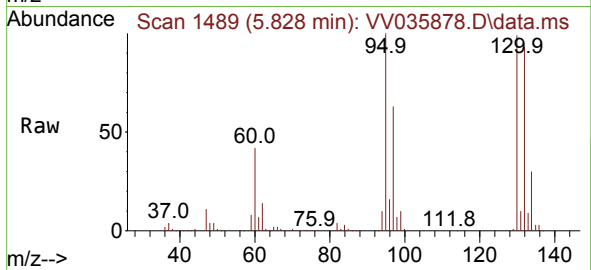
Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 226396

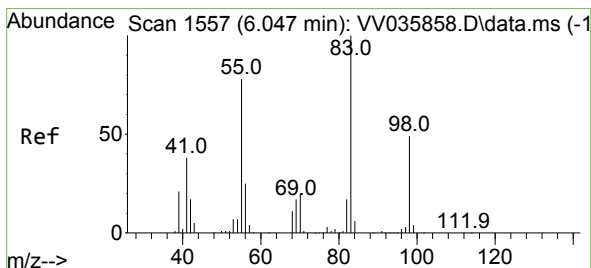
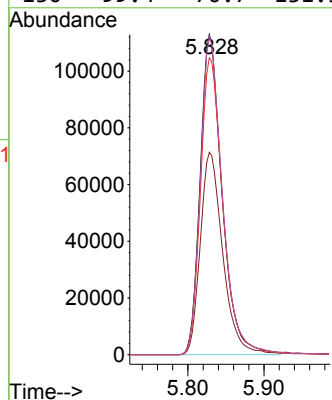
Ion Ratio Lower Upper

95 100

97 63.2 43.8 81.4

132 92.7 67.1 124.7

130 99.4 70.7 131.3



#35

Methylcyclohexane

Concen: 18.909 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

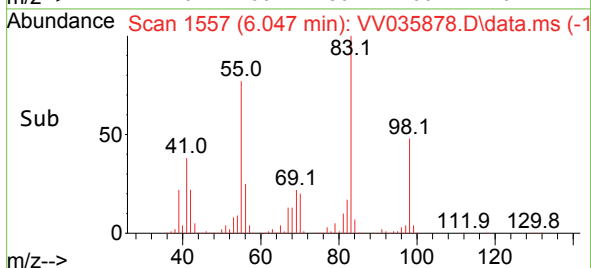
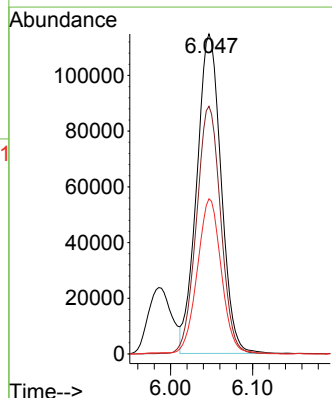
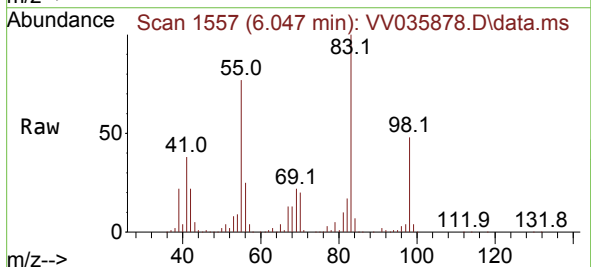
Tgt Ion: 83 Resp: 236601

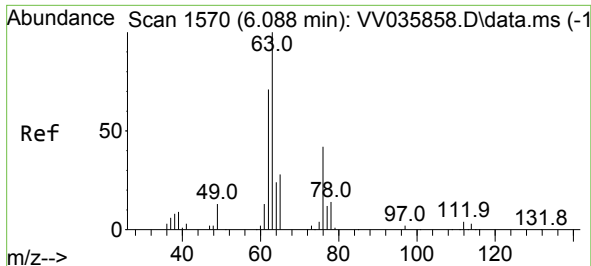
Ion Ratio Lower Upper

83 100

55 77.0 57.5 86.3

98 48.0 38.6 58.0





#37

1,2-Dichloropropane

Concen: 26.890 ug/L

RT: 6.088 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

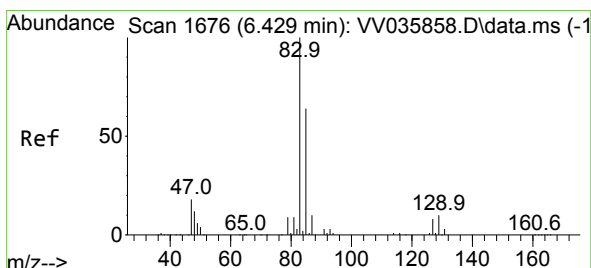
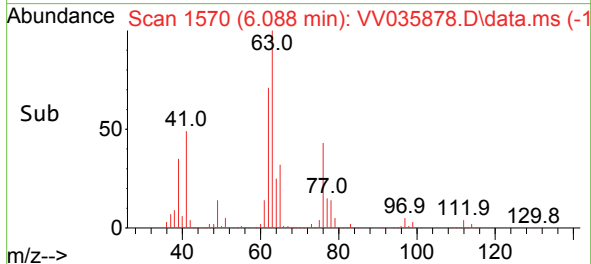
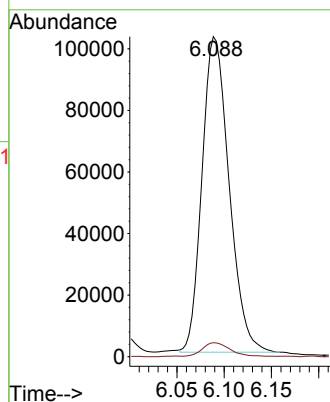
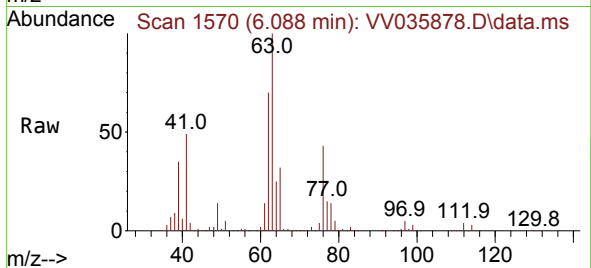
ClientSampleId :

Tgt Ion: 63 Resp: 204409

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 27.349 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

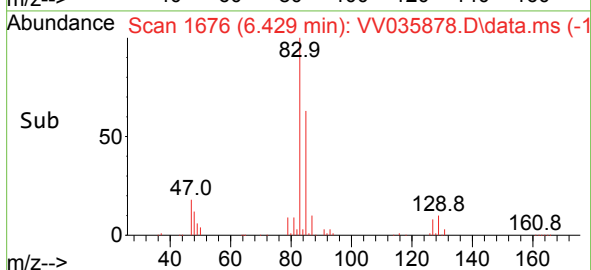
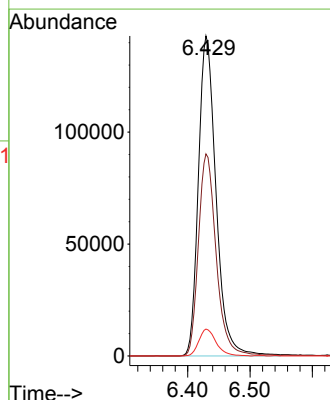
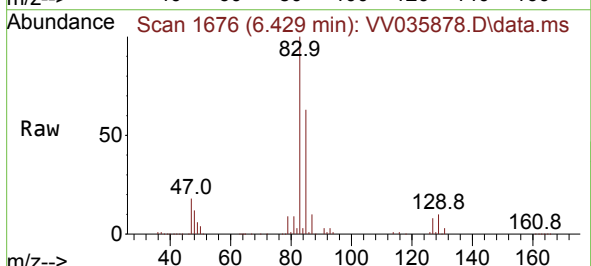
Tgt Ion: 83 Resp: 281628

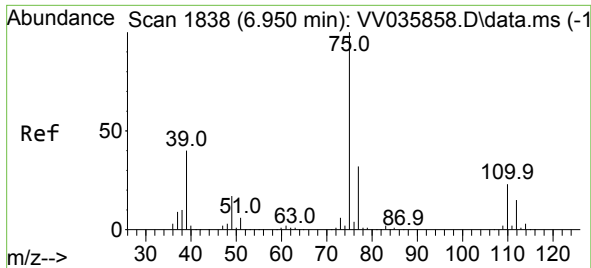
Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

127 8.4 7.0 10.6

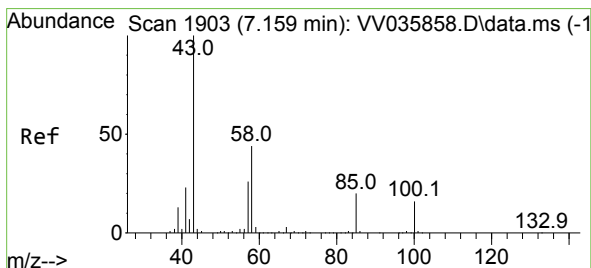
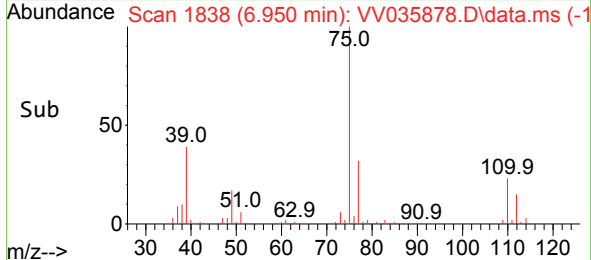
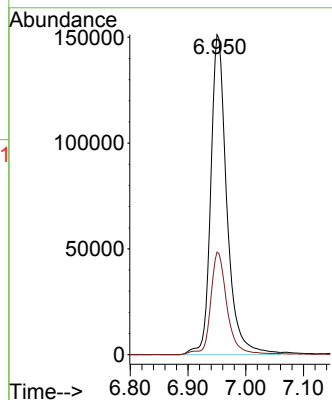
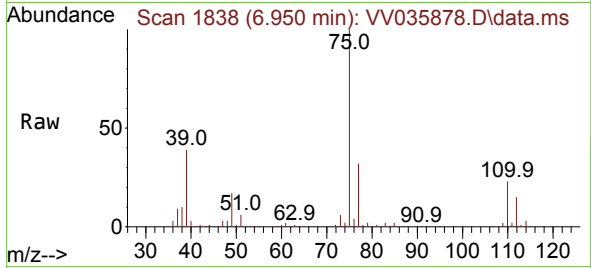




#39
 cis-1,3-Dichloropropene
 Concen: 24.672 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: VV035878.D
 Acq: 29 May 2024 20:38

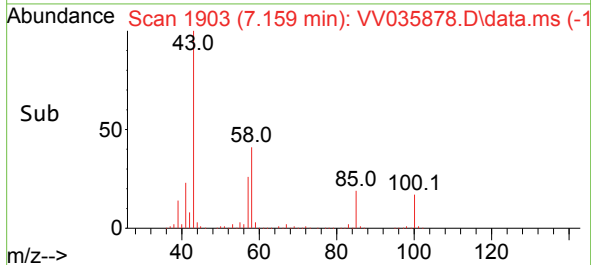
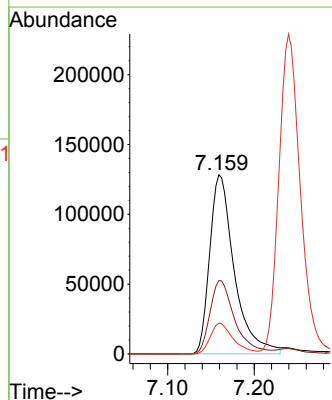
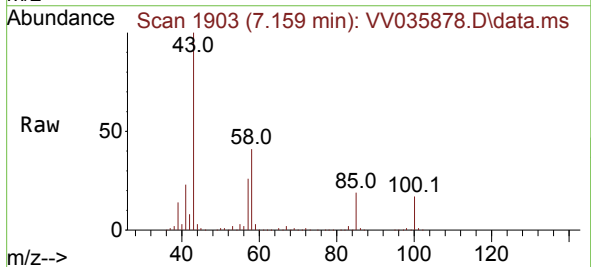
Instrument :
 MSVOA_V
 ClientSampleId :

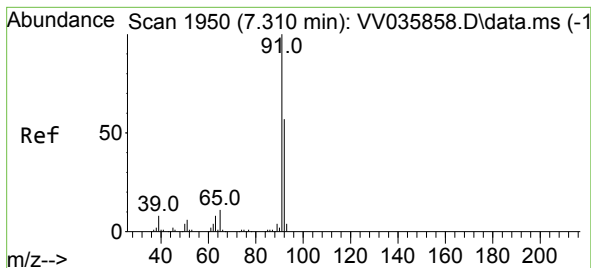
Tgt Ion: 75 Resp: 293342
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 55.502 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV035878.D
 Acq: 29 May 2024 20:38

Tgt Ion: 43 Resp: 252674
 Ion Ratio Lower Upper
 43 100
 58 41.4 34.8 52.2
 100 16.2 13.9 20.9





#42

Toluene

Concen: 25.427 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

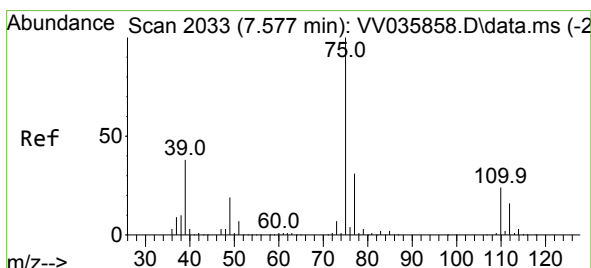
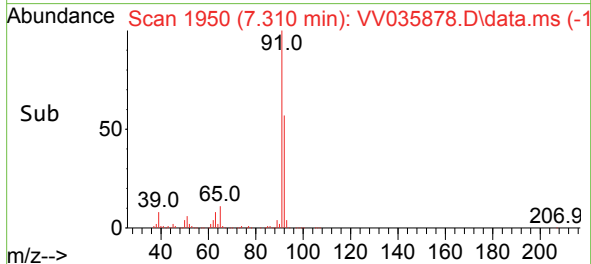
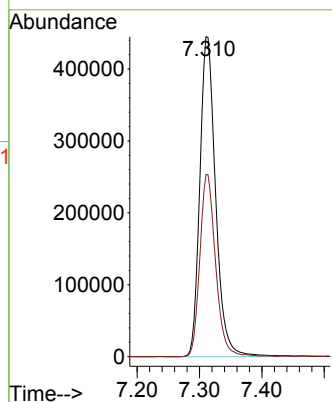
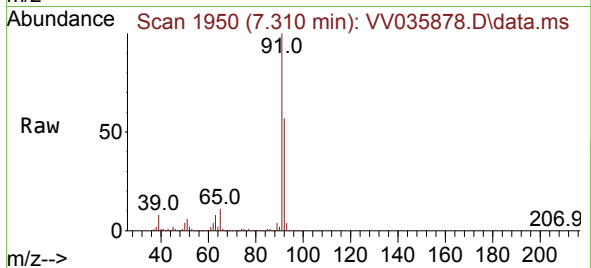
ClientSampleId :

Tgt Ion: 91 Resp: 784014

Ion Ratio Lower Upper

91 100

92 57.0 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 26.129 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV035878.D

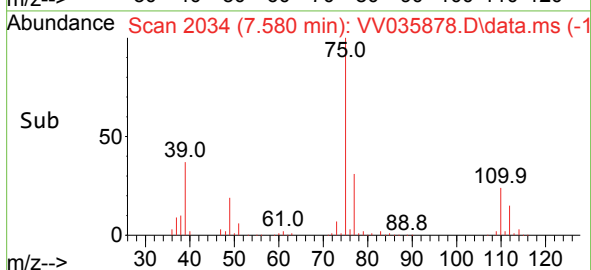
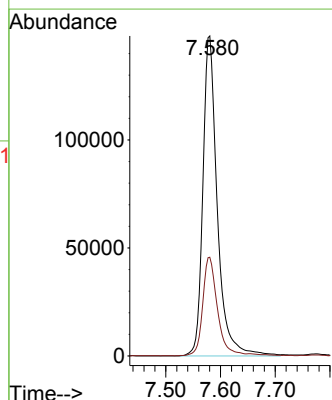
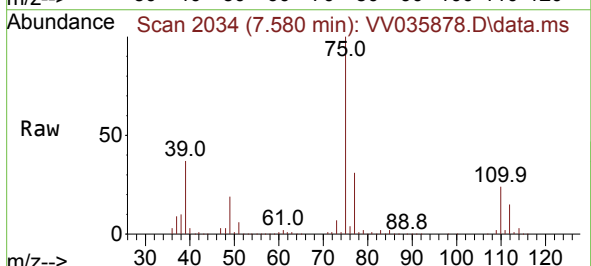
Acq: 29 May 2024 20:38

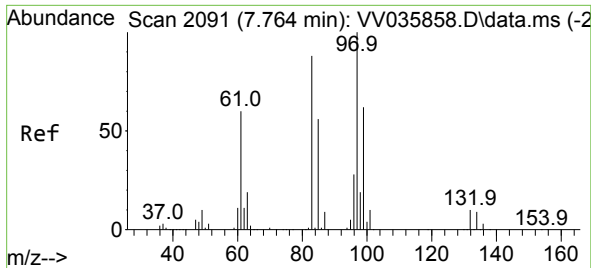
Tgt Ion: 75 Resp: 271757

Ion Ratio Lower Upper

75 100

77 30.8 22.4 41.6

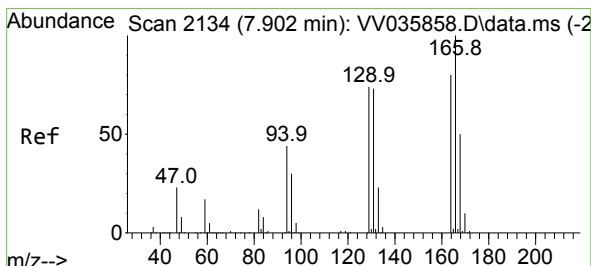
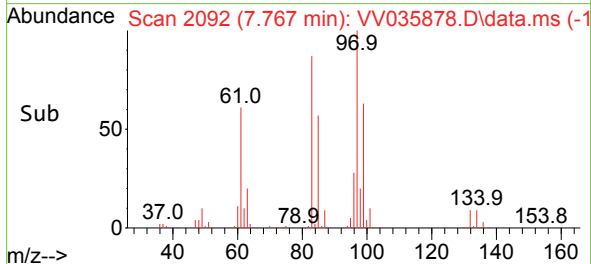
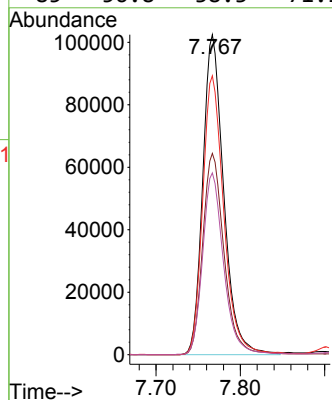
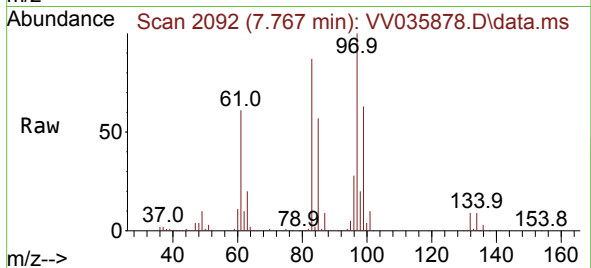




#45
1,1,2-Trichloroethane
Concen: 27.413 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. 0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

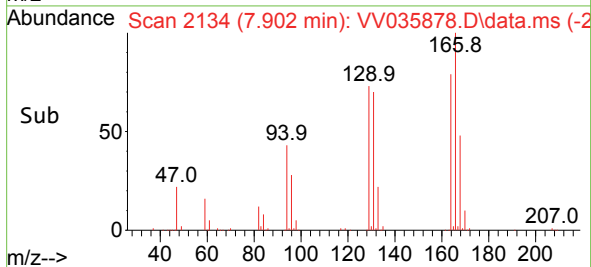
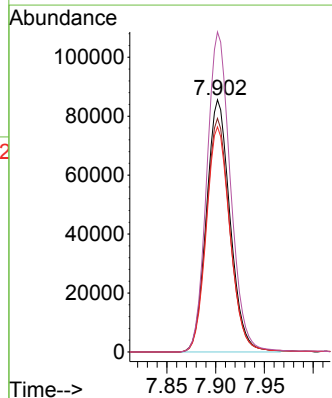
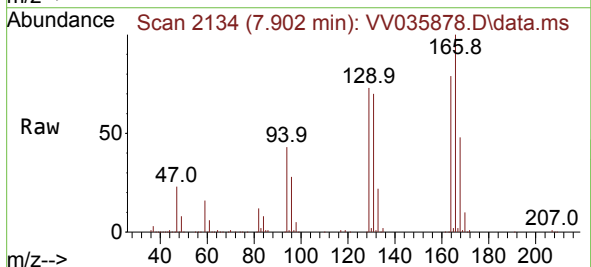
Instrument :
MSVOA_V
ClientSampleId :

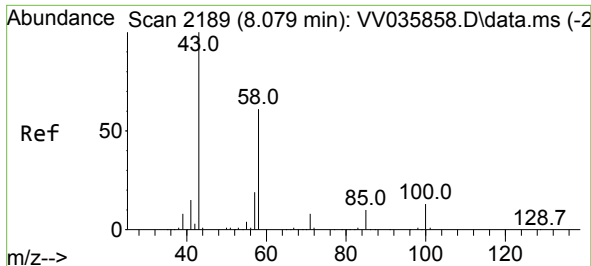
Tgt Ion:	97	Resp:	177056
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.3	80.3
83	87.1	60.3	111.9
85	56.8	38.3	71.1



#46
Tetrachloroethene
Concen: 21.589 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion:	164	Resp:	144551
Ion	Ratio	Lower	Upper
164	100		
129	92.7	63.4	117.8
131	89.3	61.0	113.4
166	126.9	88.8	164.8



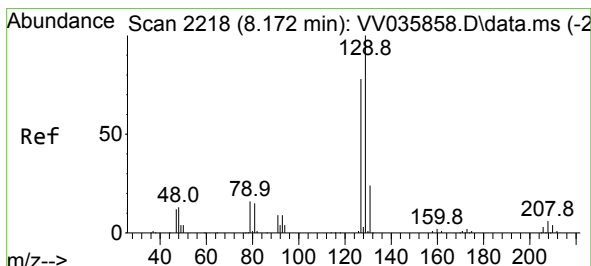
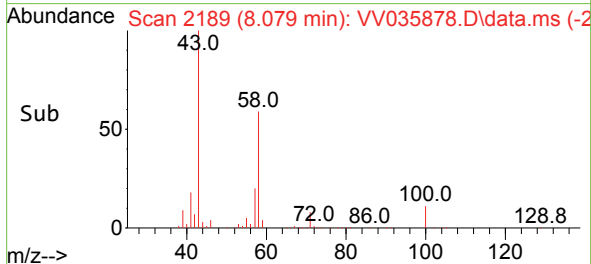
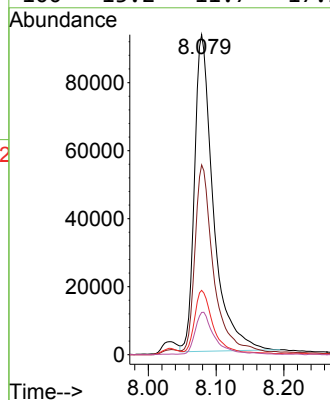
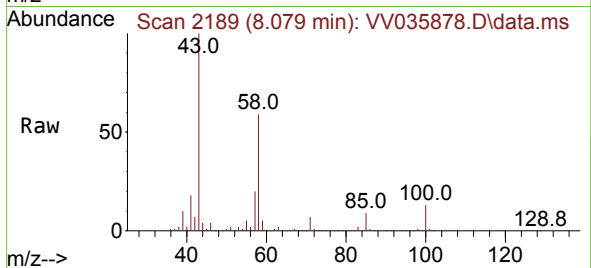


#48
2-Hexanone
Concen: 52.682 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 179825

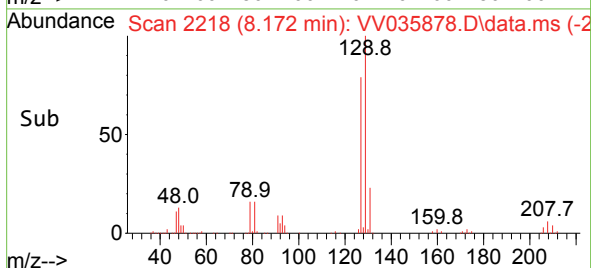
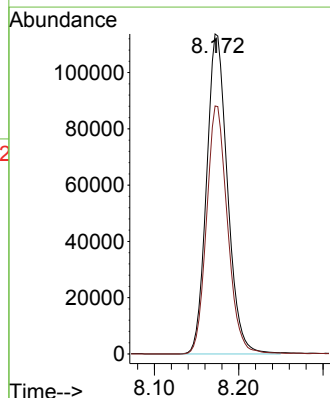
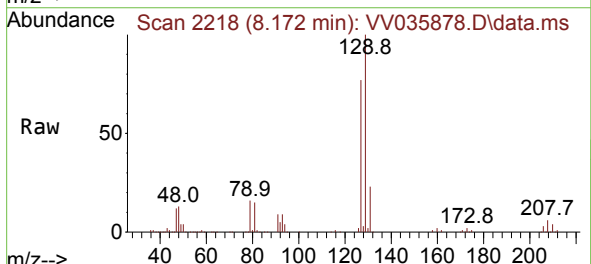
Ion	Ratio	Lower	Upper
43	100		
58	58.4	48.8	73.2
57	20.3	16.9	25.3
100	13.2	11.7	17.5

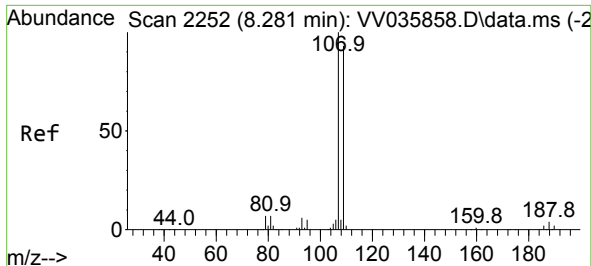


#49
Dibromochloromethane
Concen: 27.004 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion: 129 Resp: 196803

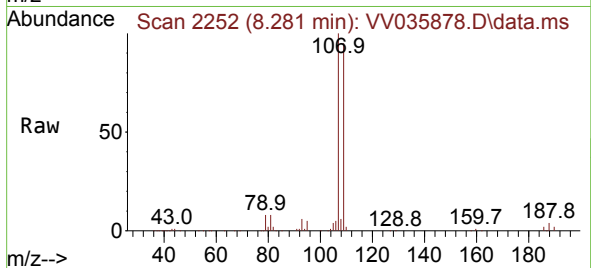
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.8	99.8



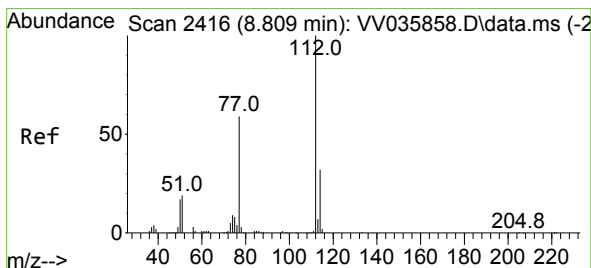
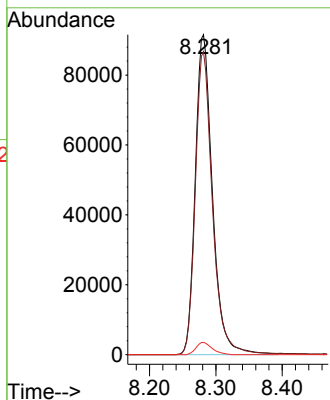
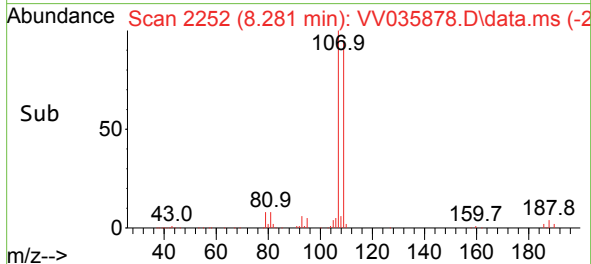


#50
1,2-Dibromoethane
Concen: 25.939 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

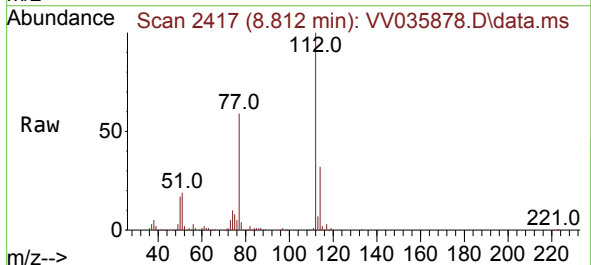
Instrument :
MSVOA_V
ClientSampleId :



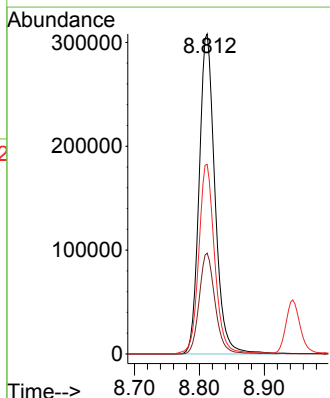
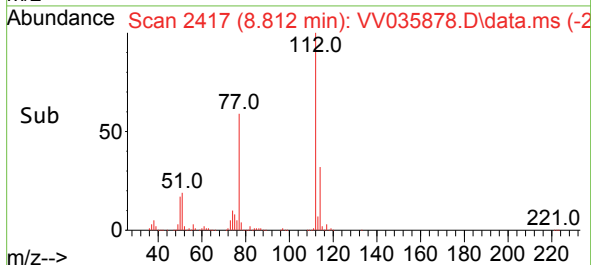
Tgt Ion:107 Resp: 165046
Ion Ratio Lower Upper
107 100
109 94.7 65.4 121.4
188 3.8 2.9 4.3

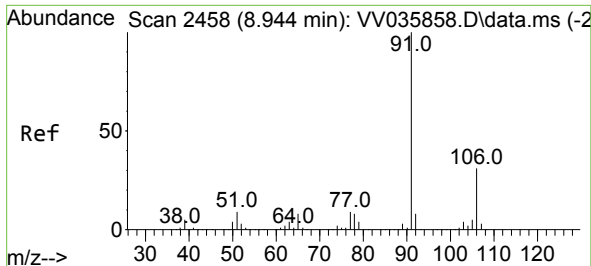


#51
Chlorobenzene
Concen: 24.404 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38



Tgt Ion:112 Resp: 522120
Ion Ratio Lower Upper
112 100
114 31.5 22.5 41.7
77 59.2 46.6 69.8

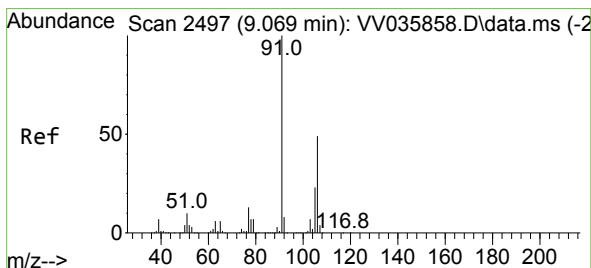
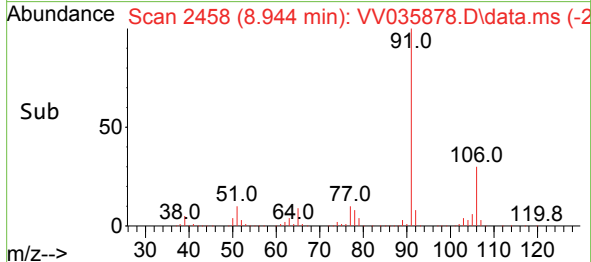
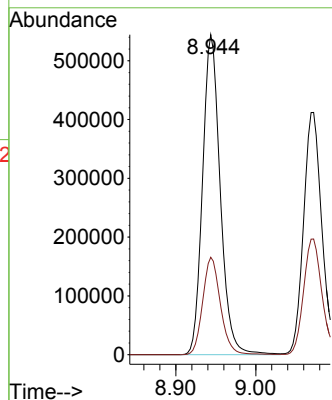
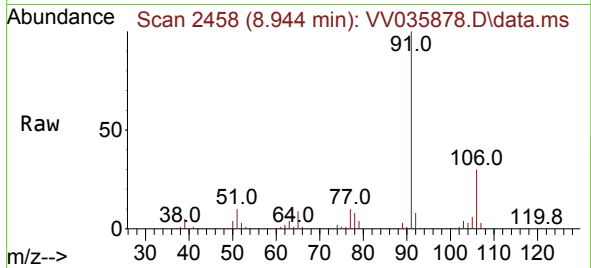




#52
Ethylbenzene
Concen: 24.619 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

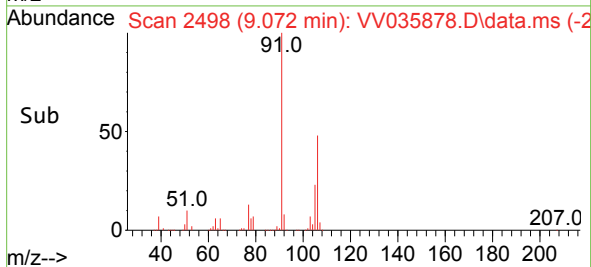
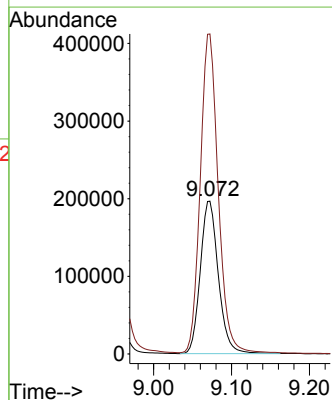
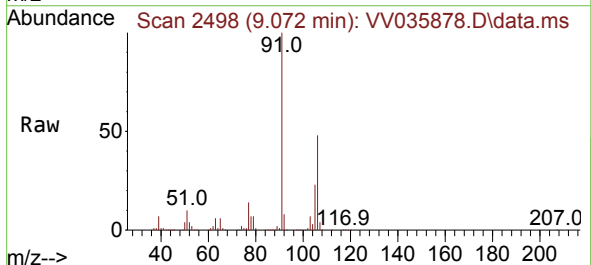
Instrument :
MSVOA_V
ClientSampleId :

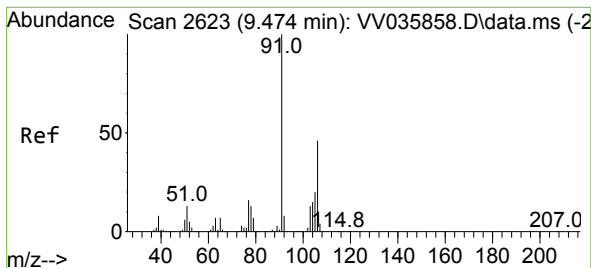
Tgt Ion: 91 Resp: 838133
Ion Ratio Lower Upper
91 100
106 30.4 21.7 40.3



#53
m,p-Xylene
Concen: 24.475 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion: 106 Resp: 316116
Ion Ratio Lower Upper
106 100
91 209.4 142.7 264.9





#54

o-Xylene

Concen: 25.012 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

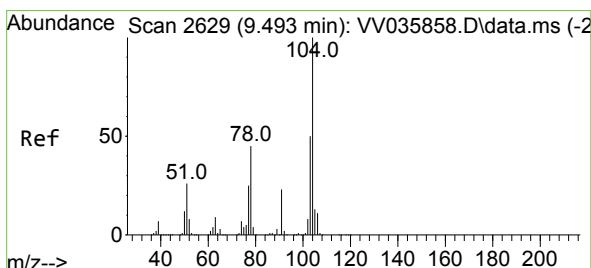
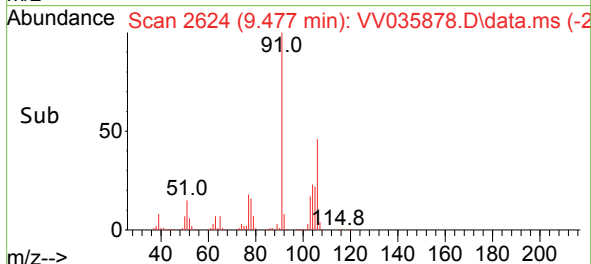
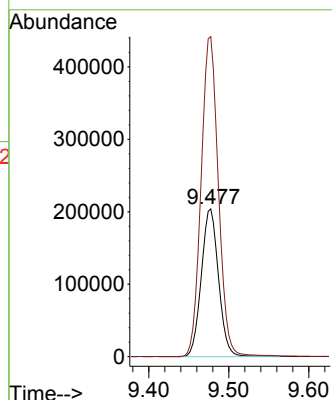
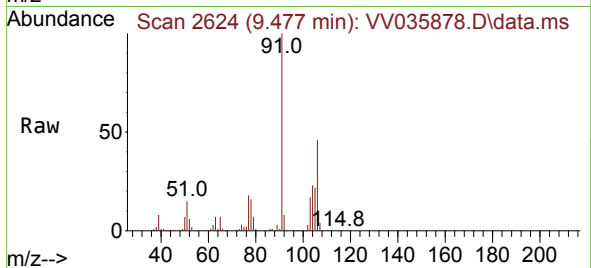
ClientSampleId :

Tgt Ion:106 Resp: 306181

Ion Ratio Lower Upper

106 100

91 216.4 150.9 280.3



#55

Styrene

Concen: 27.444 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV035878.D

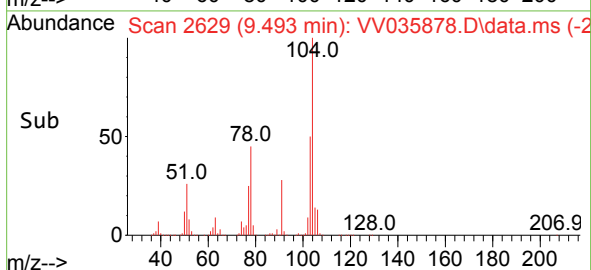
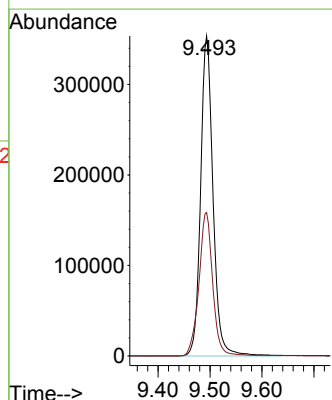
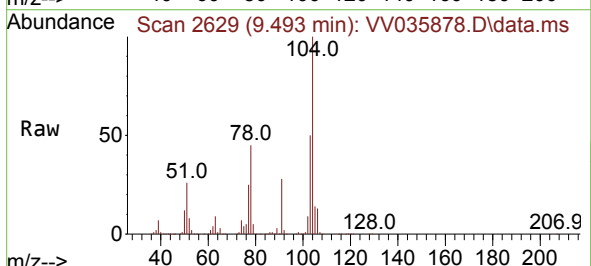
Acq: 29 May 2024 20:38

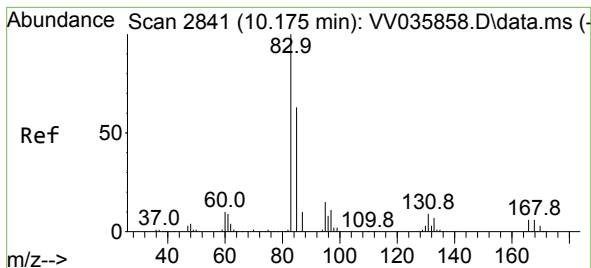
Tgt Ion:104 Resp: 585951

Ion Ratio Lower Upper

104 100

78 44.9 30.0 55.6

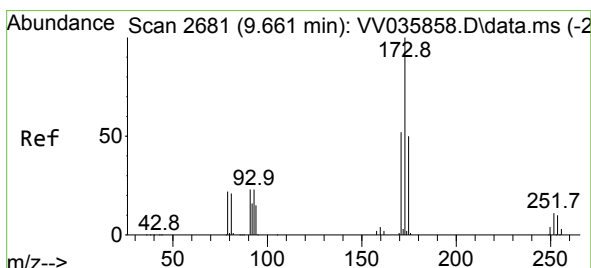
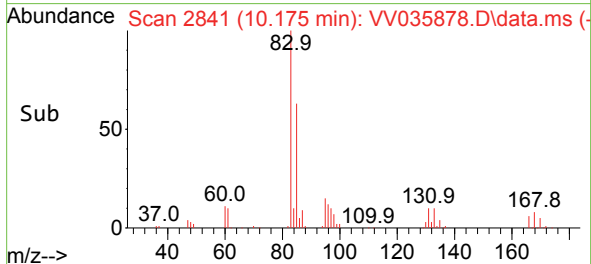
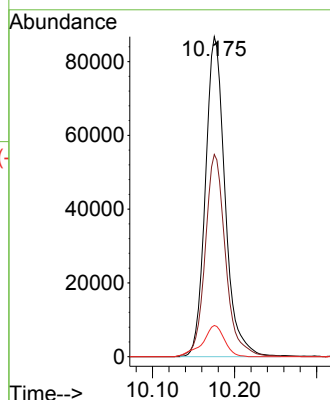
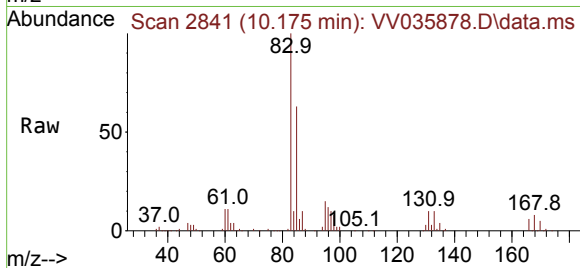




#57
1,1,2,2-Tetrachloroethane
Concen: 18.376 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

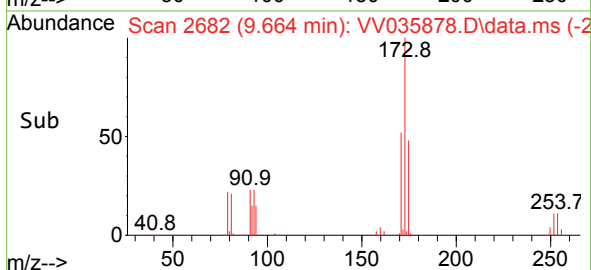
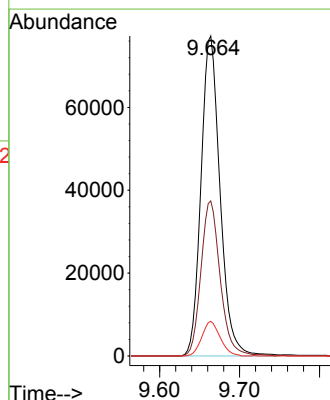
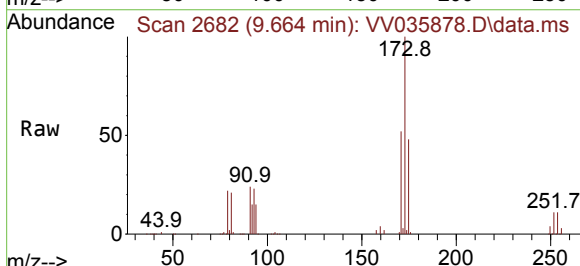
Instrument :
MSVOA_V
ClientSampleId :

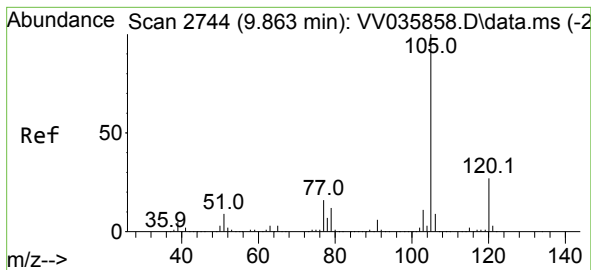
Tgt Ion: 83 Resp: 144580
Ion Ratio Lower Upper
83 100
85 63.2 44.7 83.1
131 9.8 8.0 12.0



#59
Bromoform
Concen: 27.285 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion: 173 Resp: 128259
Ion Ratio Lower Upper
173 100
175 48.7 38.7 58.1
254 10.4 8.3 12.5





#60

Isopropylbenzene

Concen: 26.540 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :

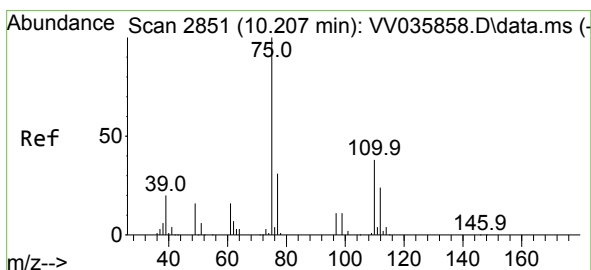
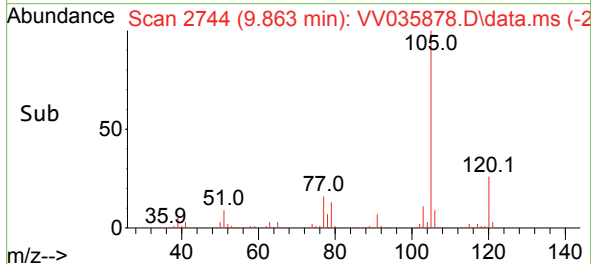
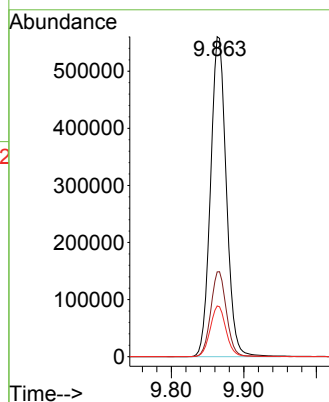
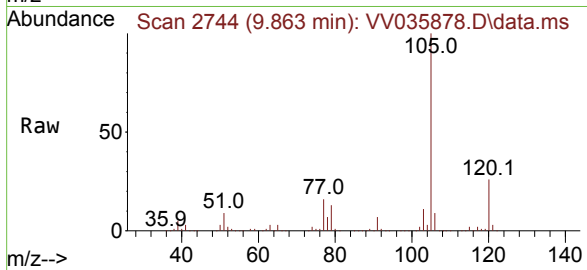
Tgt Ion:105 Resp: 845617

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

77 15.9 12.2 18.2



#61

1,2,3-Trichloropropane

Concen: 29.816 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

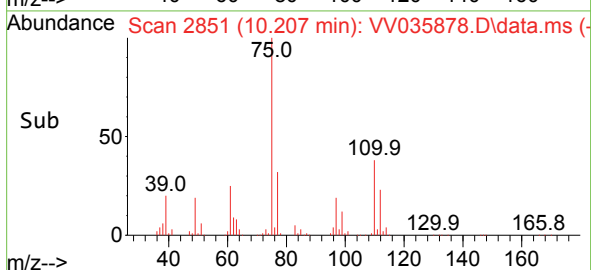
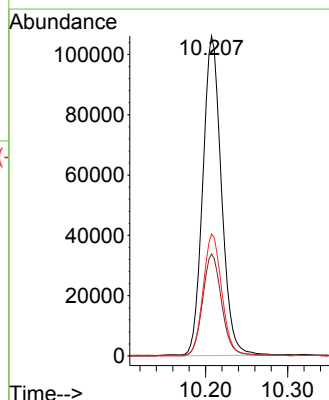
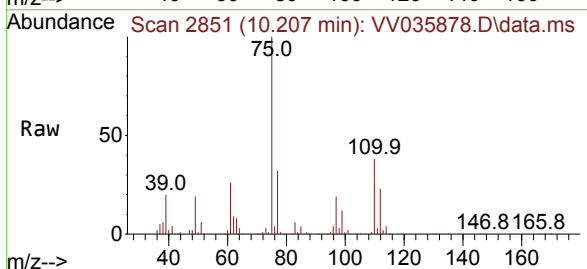
Tgt Ion: 75 Resp: 167117

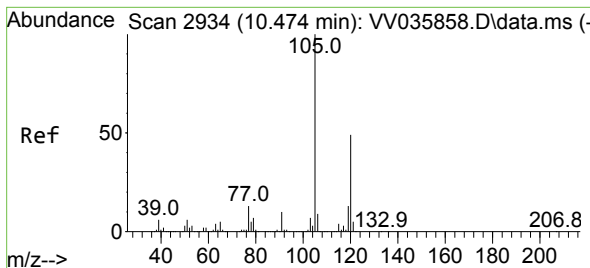
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

110 38.7 31.8 47.8

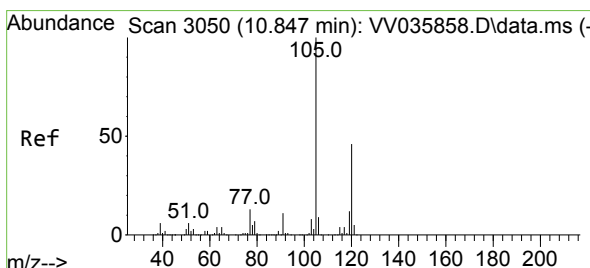
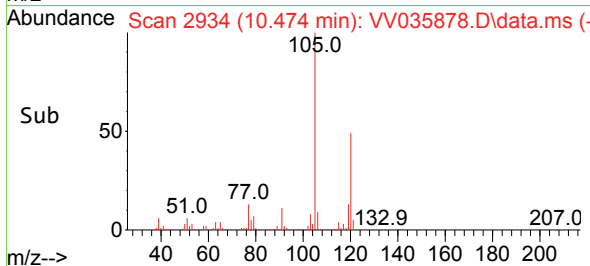
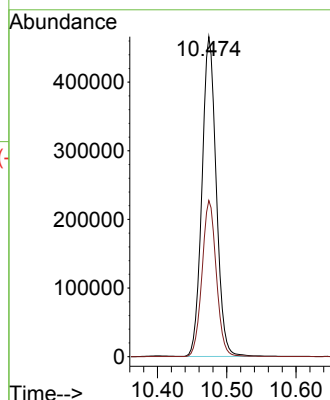
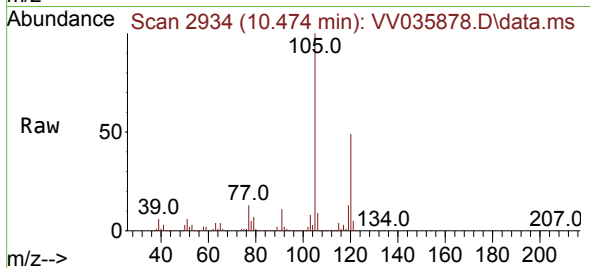




#62
 1,3,5-Trimethylbenzene
 Concen: 26.739 ug/L
 RT: 10.474 min Scan# 2934
 Delta R.T. 0.000 min
 Lab File: VV035878.D
 Acq: 29 May 2024 20:38

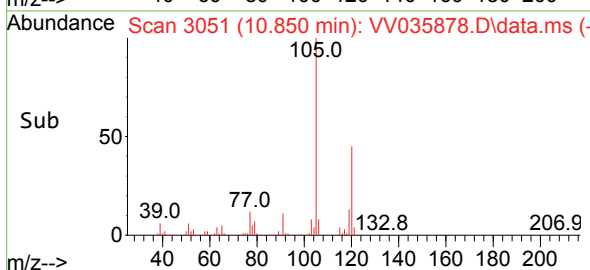
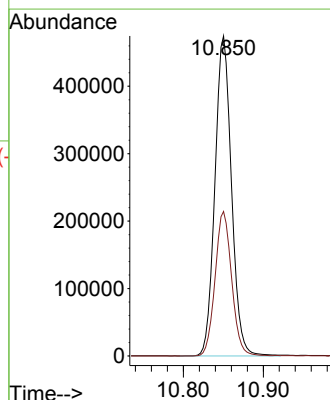
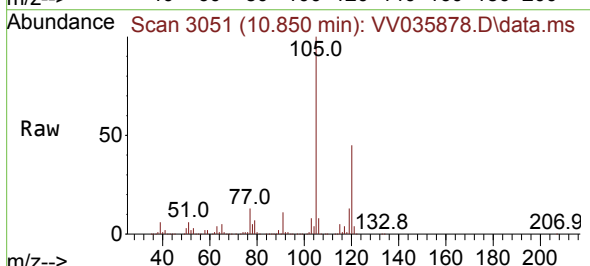
Instrument :
 MSVOA_V
 ClientSampleId :

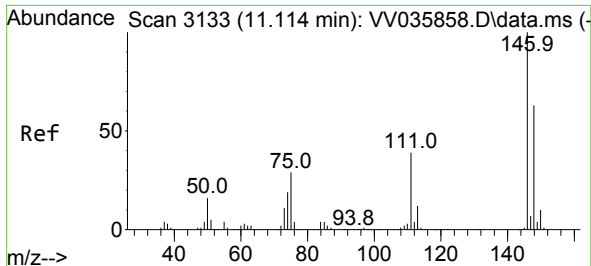
Tgt Ion:105 Resp: 668334
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.4 59.0



#63
 1,2,4-Trimethylbenzene
 Concen: 26.508 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. 0.003 min
 Lab File: VV035878.D
 Acq: 29 May 2024 20:38

Tgt Ion:105 Resp: 680870
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.6 55.0

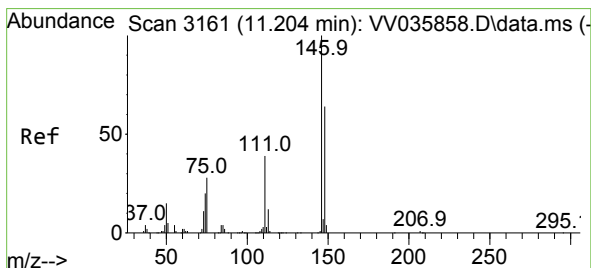
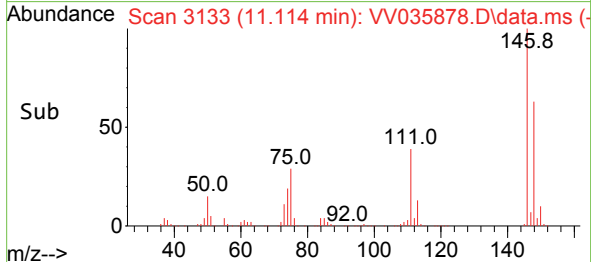
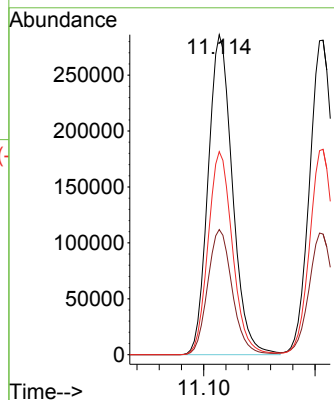
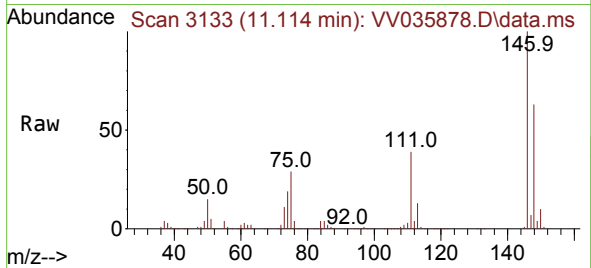




#64
1,3-Dichlorobenzene
Concen: 26.024 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.000 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

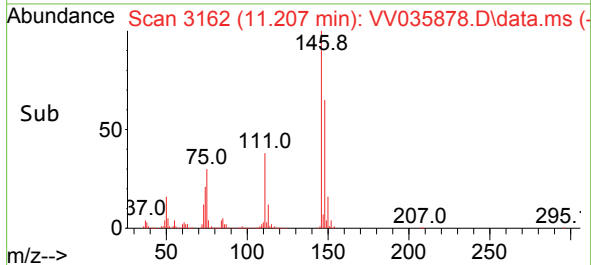
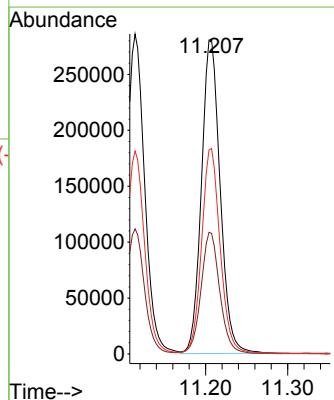
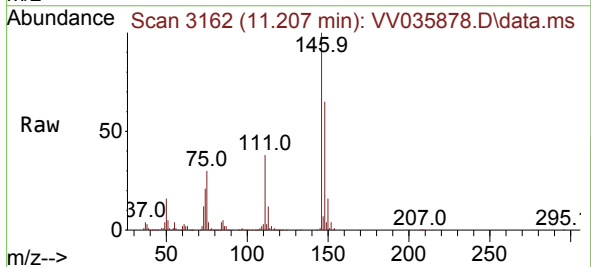
Instrument :
MSVOA_V
ClientSampleId :

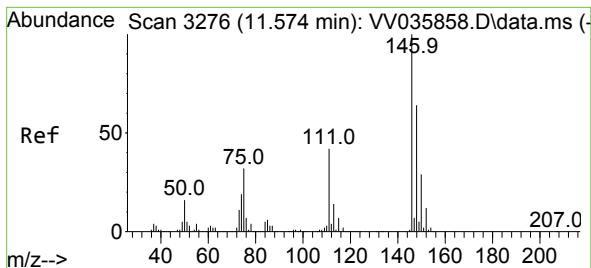
Tgt Ion:146 Resp: 435153
Ion Ratio Lower Upper
146 100
111 39.1 27.0 50.2
148 63.4 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 25.760 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV035878.D
Acq: 29 May 2024 20:38

Tgt Ion:146 Resp: 445916
Ion Ratio Lower Upper
146 100
111 38.3 26.2 48.6
148 65.3 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 26.608 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :

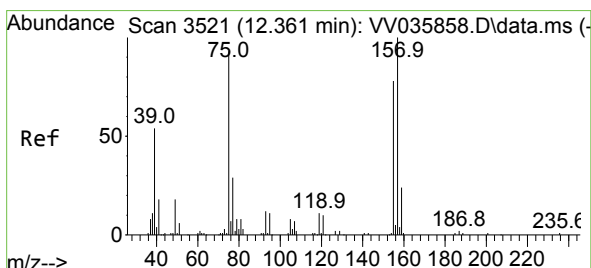
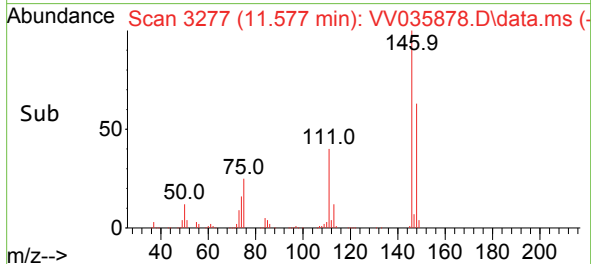
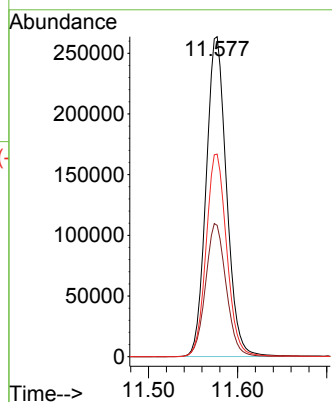
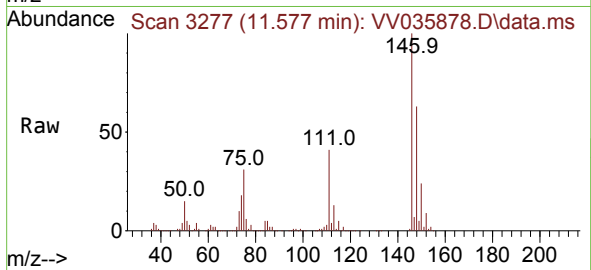
Tgt Ion:146 Resp: 418813

Ion Ratio Lower Upper

146 100

111 41.1 32.6 48.8

148 63.3 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 28.275 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

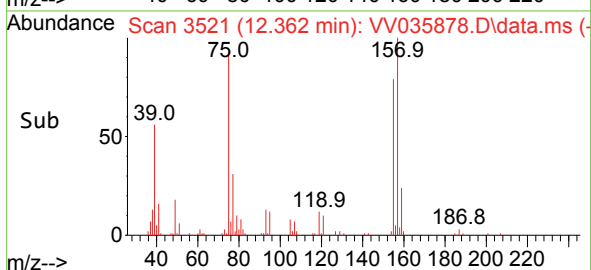
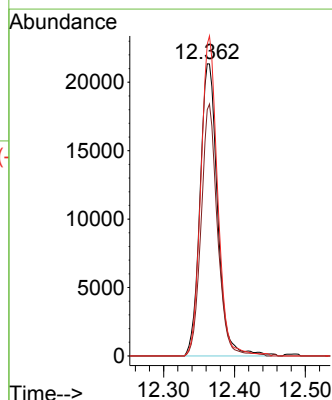
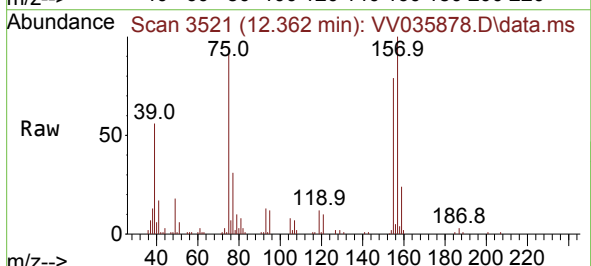
Tgt Ion: 75 Resp: 36755

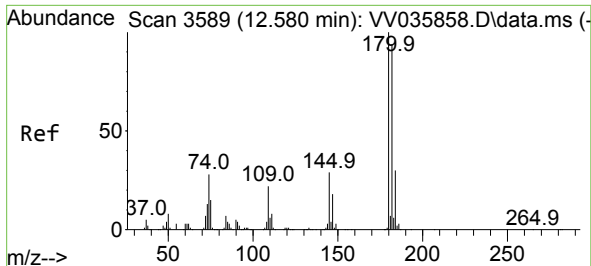
Ion Ratio Lower Upper

75 100

155 84.3 69.8 104.6

157 106.7 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 23.546 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

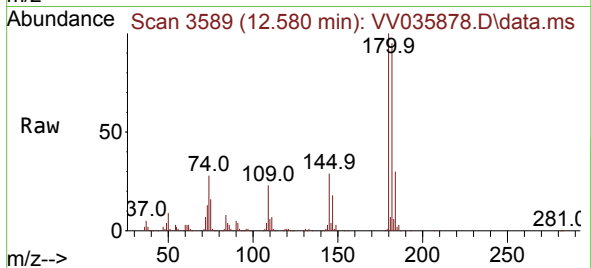
Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 307670

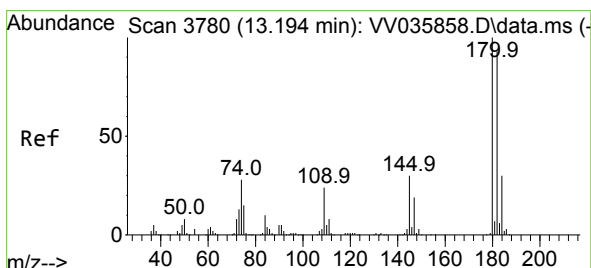
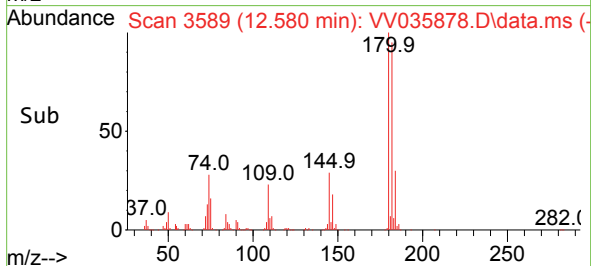
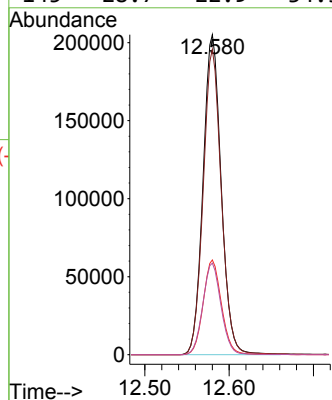
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

184 29.8 24.1 36.1

145 28.7 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 22.669 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

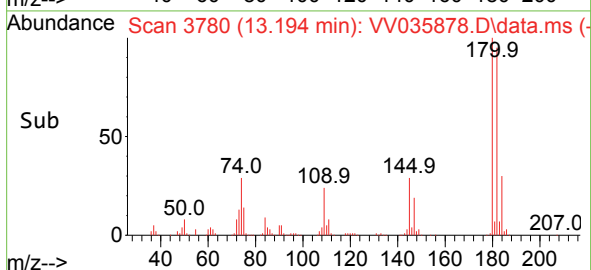
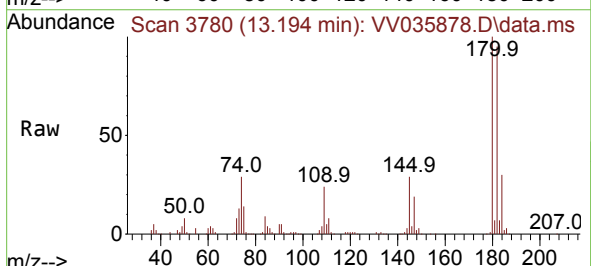
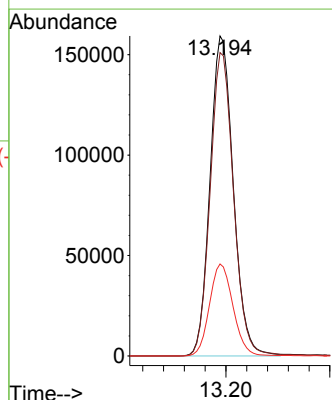
Tgt Ion:180 Resp: 247333

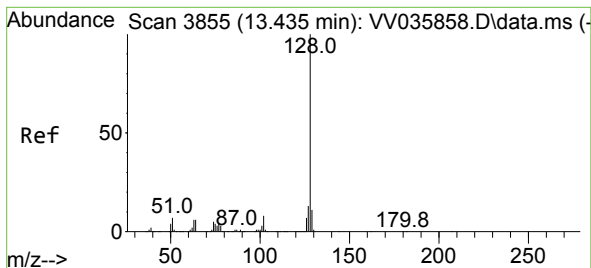
Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 29.2 23.2 34.8





#71

Naphthalene

Concen: 22.714 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Instrument :

MSVOA_V

ClientSampleId :

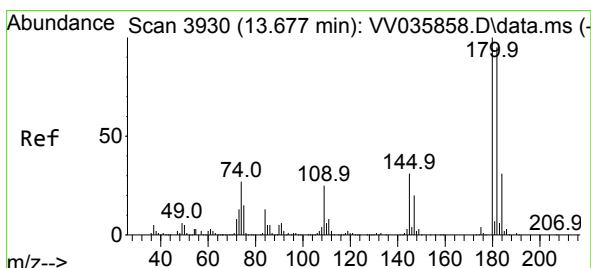
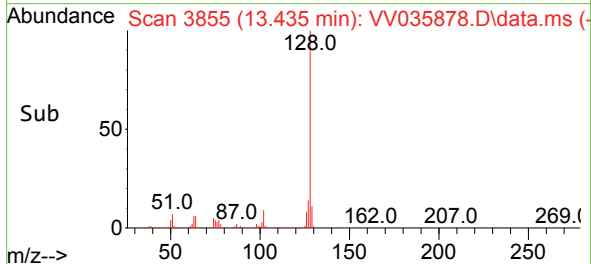
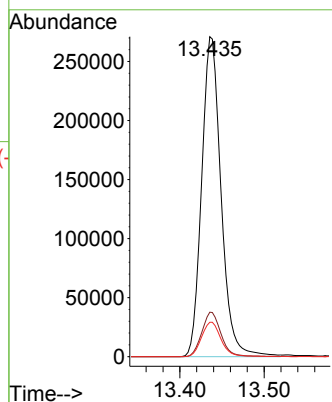
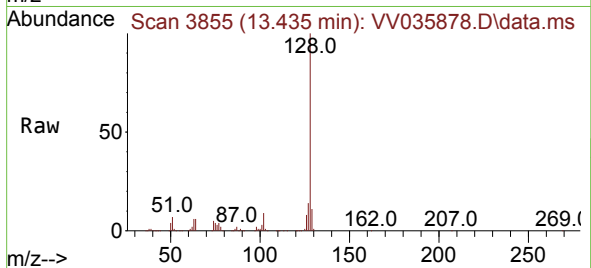
Tgt Ion:128 Resp: 435076

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 25.173 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035878.D

Acq: 29 May 2024 20:38

Tgt Ion:180 Resp: 247086

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.6

145 31.3 25.2 37.8

