

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062424\
 Data File : VV036252.D
 Acq On : 24 Jun 2024 17:33
 Operator : SY/MD
 Sample : P2987-18MSD
 Misc : 4.99g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 05:00:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 04:55:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	513716	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	544130	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	299906	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	134429	14.233	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.920%
7) Chloroethane-d5	1.526	69	120428	15.991	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.960%
11) 1,1-Dichloroethene-d2	2.050	65	64421	15.322	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.280%
21) 2-Butanone-d5	3.838	46	34323	15.839	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	31.680%
24) Chloroform-d	4.243	84	293452	17.968	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.880%
26) 1,2-Dichloroethane-d4	4.937	65	167505	19.561	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.240%
32) Benzene-d6	4.953	84	553469	17.112	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	68.440%
36) 1,2-Dichloropropane-d6	5.985	67	177654	17.442	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	69.760%#
41) Toluene-d8	7.239	98	507138	17.770	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.080%
43) trans-1,3-Dichloroprop...	7.551	79	78835	18.877	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.520%
47) 2-Hexanone-d5	8.030	63	55635	40.315	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.640%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	151688	19.929	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.720%
66) 1,2-Dichlorobenzene-d4	11.558	152	193309	17.577	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.320%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	119663	12.919	ug/L	100
3) Chloromethane	1.211	50	138075	12.989	ug/L	99
5) Vinyl chloride	1.275	62	160410	14.334	ug/L	100
6) Bromomethane	1.481	94	113056	16.284	ug/L	100
8) Chloroethane	1.542	64	107120	15.399	ug/L	98
9) Trichlorofluoromethane	1.706	101	225124	16.198	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	144582	16.392	ug/L	98
12) 1,1-Dichloroethene	2.059	96	133291	16.203	ug/L	98
13) Acetone	2.384	43	57928	17.161	ug/L	69
14) Carbon disulfide	2.230	76	408252	14.291	ug/L	100
15) Methyl Acetate	2.384	43	62715	14.948	ug/L	95
16) Methylene chloride	2.439	84	180069	15.491	ug/L	97
17) trans-1,2-Dichloroethene	2.686	96	136394	15.608	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	358545	18.276	ug/L	99
19) 1,1-Dichloroethane	3.104	63	270333	16.244	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	149643	17.042	ug/L	97
22) 2-Butanone	3.915	43	66492	23.215	ug/L	83
23) Bromochloromethane	4.140	128	77977	17.704	ug/L	98
25) Chloroform	4.268	83	293558	17.148	ug/L	99

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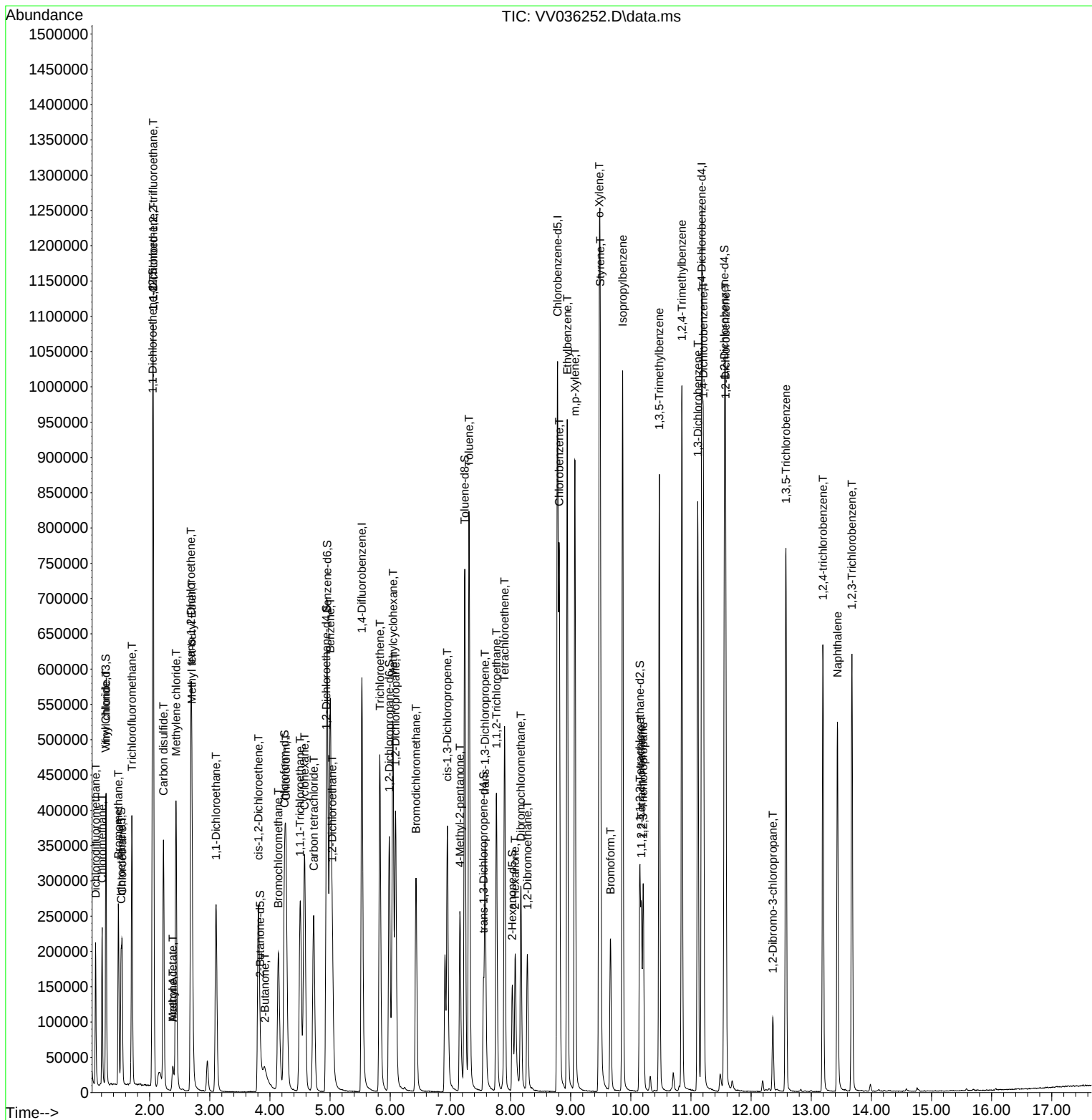
Instrument :
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 ClientSampleId :

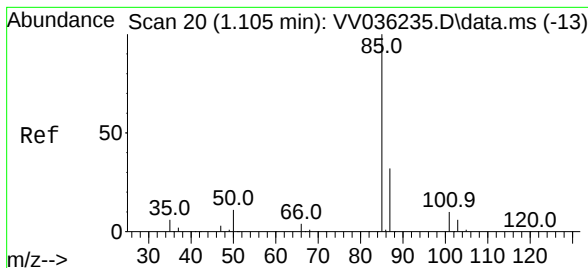
Quant Time: Jun 25 05:00:16 2024
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 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 04:55:15 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	193545	18.109	ug/L	99
29) Cyclohexane	4.577	56	173780	13.414	ug/L	97
30) 1,1,1-Trichloroethane	4.503	97	224463	15.089	ug/L	99
31) Carbon tetrachloride	4.728	117	192977	14.787	ug/L	99
33) Benzene	5.005	78	580705	16.318	ug/L	100
34) Trichloroethene	5.828	95	169454	15.536	ug/L	100
35) Methylcyclohexane	6.046	83	218185	14.465	ug/L	98
37) 1,2-Dichloropropane	6.088	63	159590	17.078	ug/L	99
38) Bromodichloromethane	6.429	83	212191	17.156	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	239158	17.111	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	168480	33.185	ug/L	97
42) Toluene	7.310	91	618816	17.017	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	214004	17.727	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	134691	17.420	ug/L	99
46) Tetrachloroethene	7.902	164	116668	14.625	ug/L	98
48) 2-Hexanone	8.079	43	123962	31.232	ug/L	96
49) Dibromochloromethane	8.172	129	147369	17.415	ug/L	99
50) 1,2-Dibromoethane	8.281	107	130390	17.575	ug/L	98
51) Chlorobenzene	8.812	112	414759	16.740	ug/L	98
52) Ethylbenzene	8.943	91	641896	16.499	ug/L	100
53) m,p-Xylene	9.072	106	244453	16.722	ug/L	100
54) o-Xylene	9.477	106	235340	17.071	ug/L	96
55) Styrene	9.493	104	445025	18.305	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	126475	18.268	ug/L	100
59) Bromoform	9.664	173	97125	17.173	ug/L	98
60) Isopropylbenzene	9.866	105	615111	15.987	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	117473	16.562	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	444427	15.929	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	511439	17.014	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	328572	16.261	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	347387	16.656	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	322239	16.947	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	26820	16.909	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	232144	15.359	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	191253	16.071	ug/L	99
71) Naphthalene	13.435	128	408801	21.049	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	184293	16.970	ug/L	99

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

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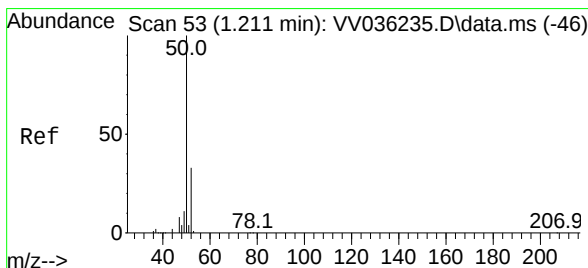
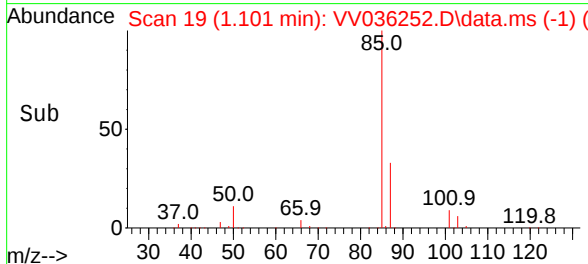
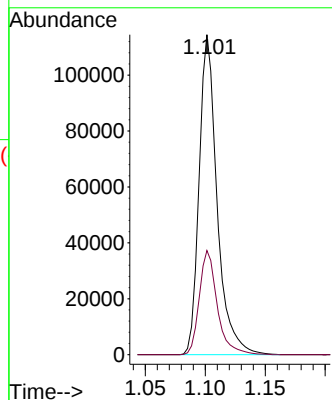
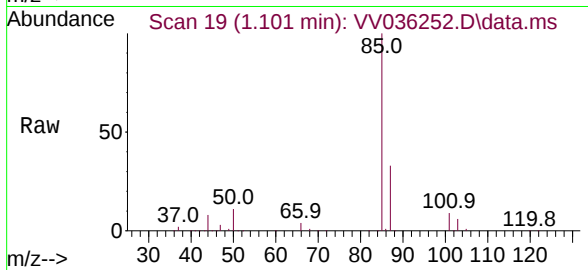




#2
 Dichlorodifluoromethane
 Concen: 12.919 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.003 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

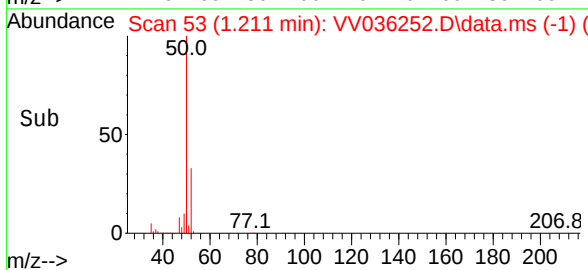
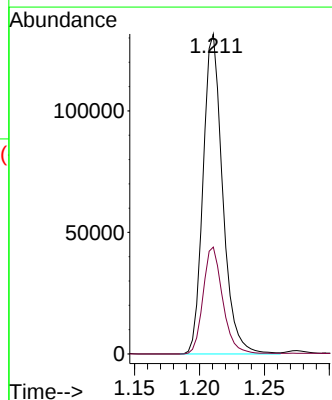
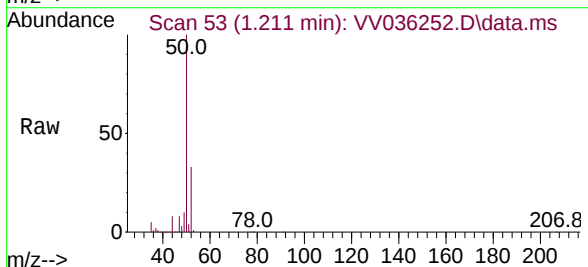
Instrument :
 MSVOA_V
 ClientSampleId :

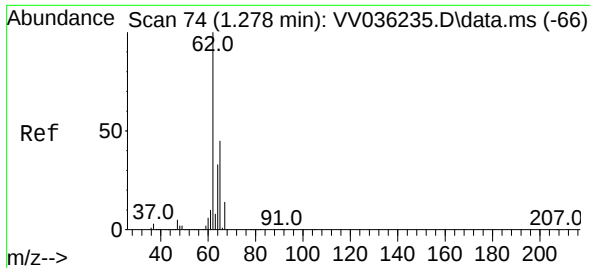
Tgt Ion: 85 Resp: 119663
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.9 38.9



#3
 Chloromethane
 Concen: 12.989 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

Tgt Ion: 50 Resp: 138075
 Ion Ratio Lower Upper
 50 100
 52 33.4 22.8 42.4

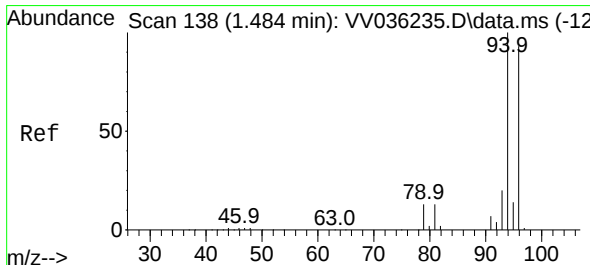
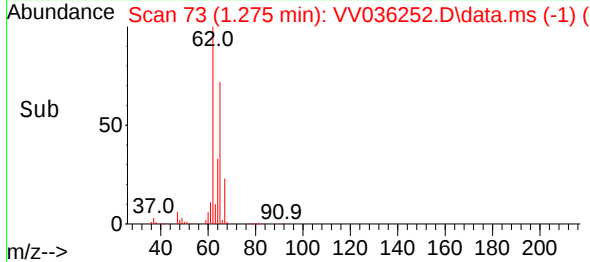
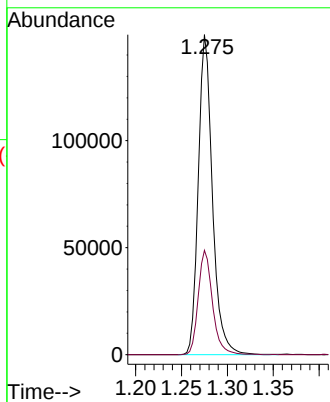
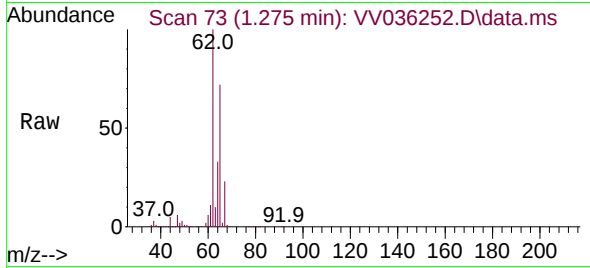




#5
 Vinyl chloride
 Concen: 14.334 ug/L
 RT: 1.275 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

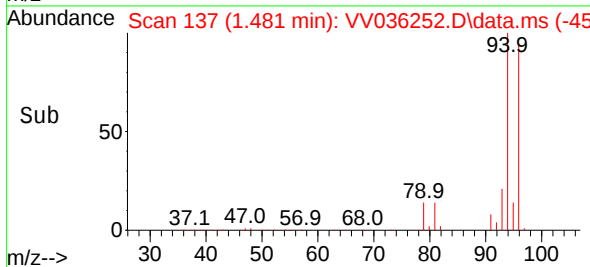
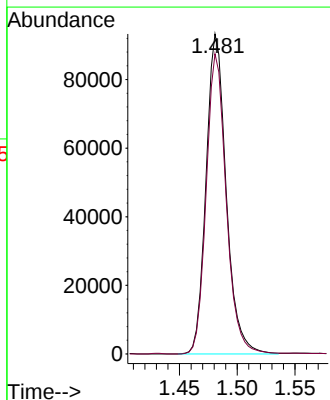
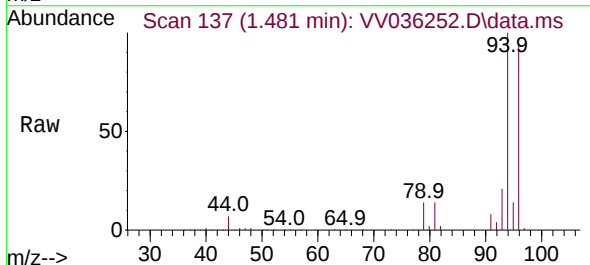
Instrument :
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 ClientSampleId :

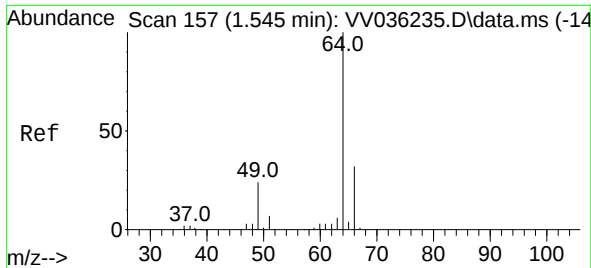
Tgt Ion: 62 Resp: 160410
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.9 42.5



#6
 Bromomethane
 Concen: 16.284 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

Tgt Ion: 94 Resp: 113056
 Ion Ratio Lower Upper
 94 100
 96 93.8 65.7 122.1

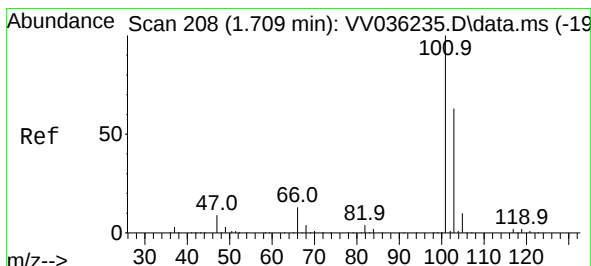
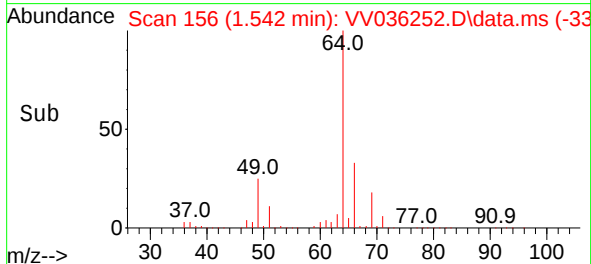
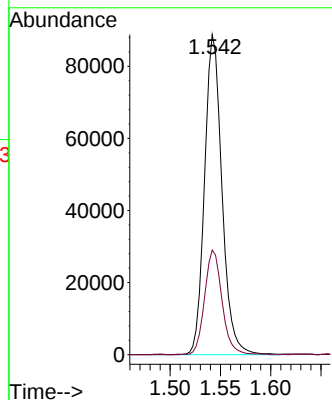
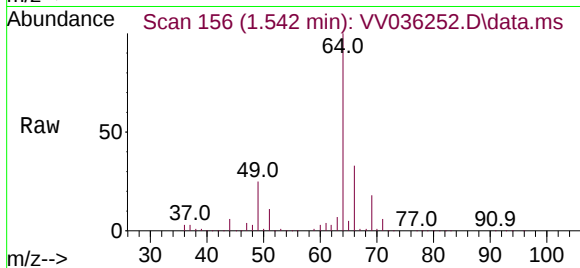




#8
Chloroethane
Concen: 15.399 ug/L
RT: 1.542 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

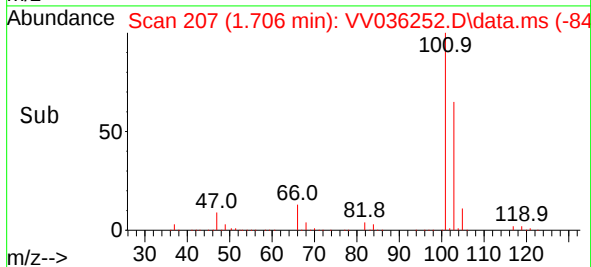
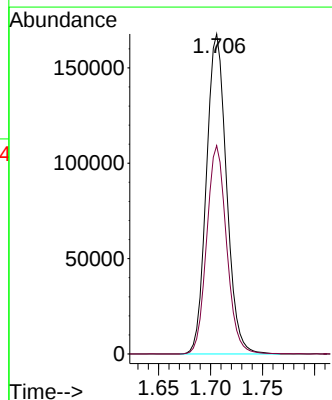
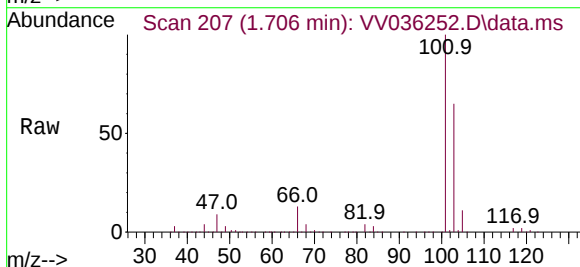
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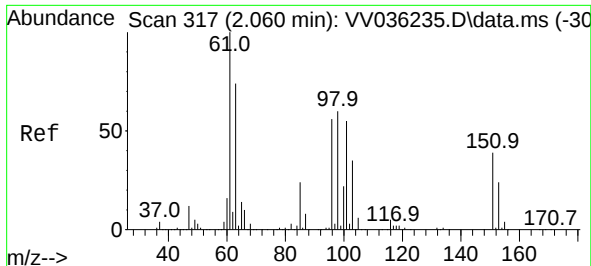
Tgt Ion: 64 Resp: 107120
Ion Ratio Lower Upper
64 100
66 32.7 22.0 41.0



#9
Trichlorofluoromethane
Concen: 16.198 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

Tgt Ion:101 Resp: 225124
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.8

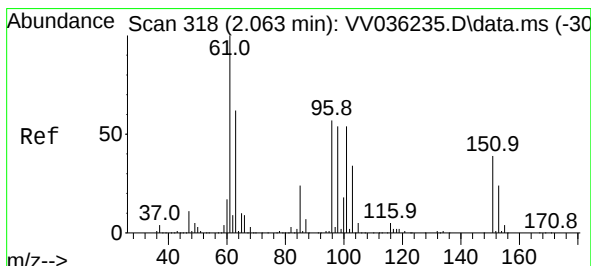
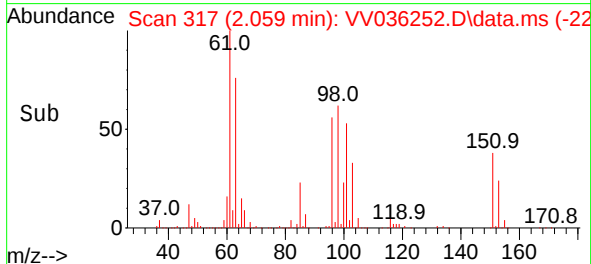
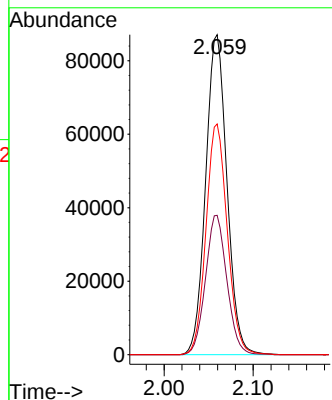
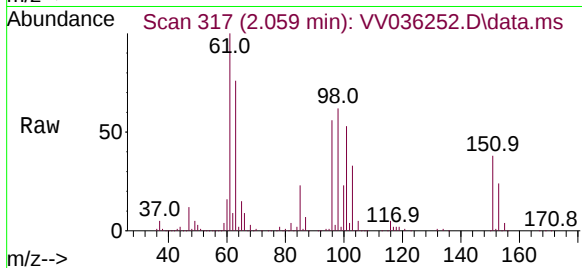




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 16.392 ug/L
 RT: 2.059 min Scan# 317
 Delta R.T. -0.000 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

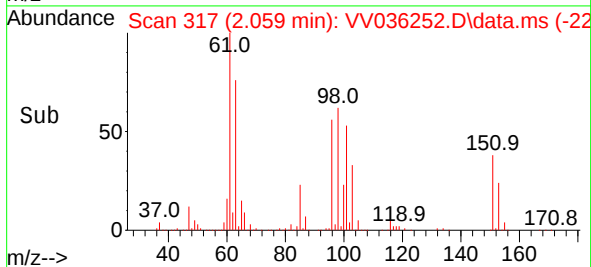
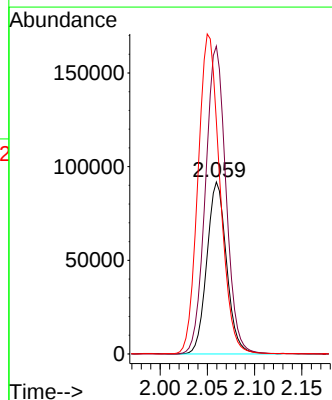
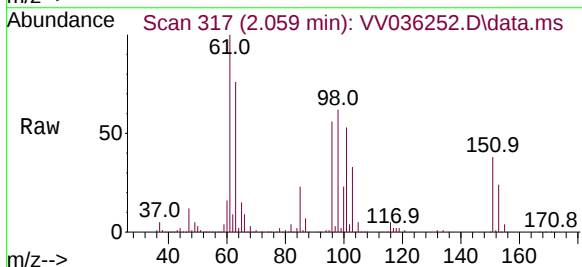
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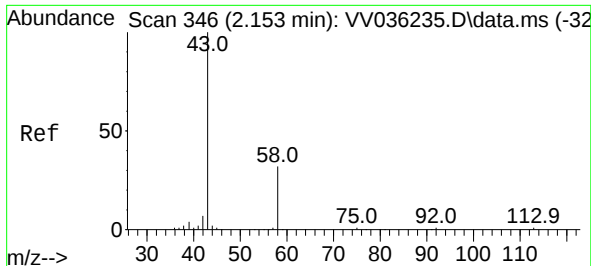
Tgt Ion:101 Resp: 144582
 Ion Ratio Lower Upper
 101 100
 85 43.8 34.5 51.7
 151 72.1 56.3 84.5



#12
 1,1-Dichloroethene
 Concen: 16.203 ug/L
 RT: 2.059 min Scan# 317
 Delta R.T. -0.003 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

Tgt Ion: 96 Resp: 133291
 Ion Ratio Lower Upper
 96 100
 61 179.0 127.3 236.3
 63 135.4 93.7 173.9





#13

Acetone

Concen: 17.161 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.231 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

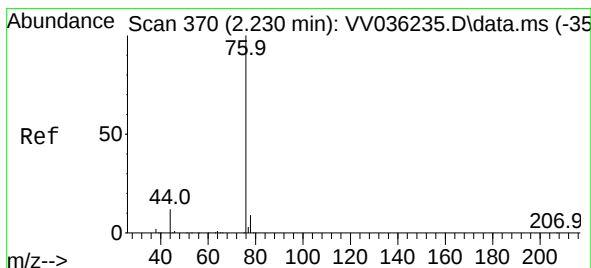
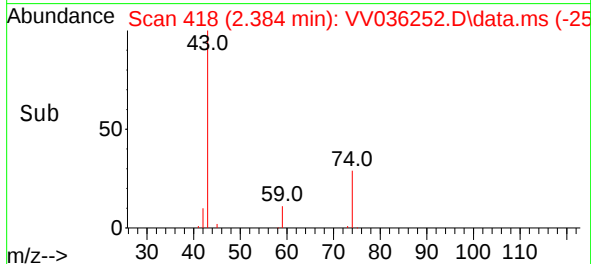
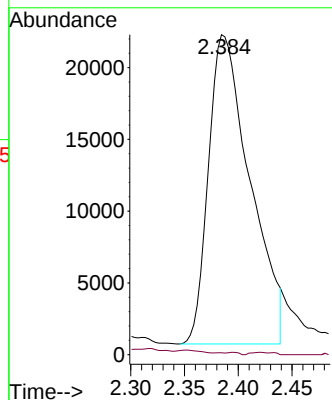
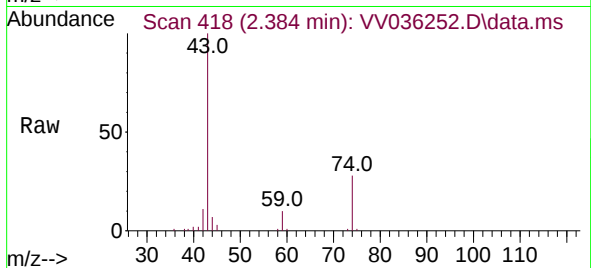
ClientSampleId :

Tgt Ion: 43 Resp: 57928

Ion Ratio Lower Upper

43 100

58 0.2 0.0 24.2



#14

Carbon disulfide

Concen: 14.291 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.000 min

Lab File: VV036252.D

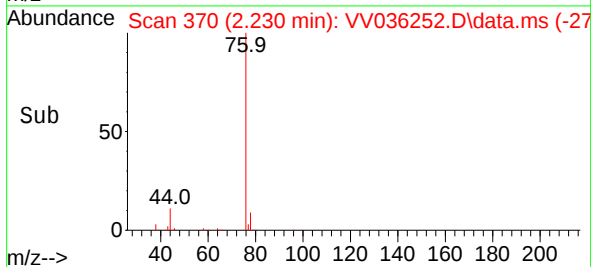
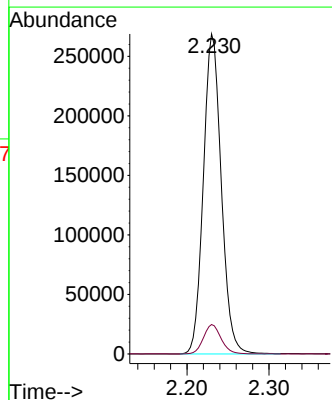
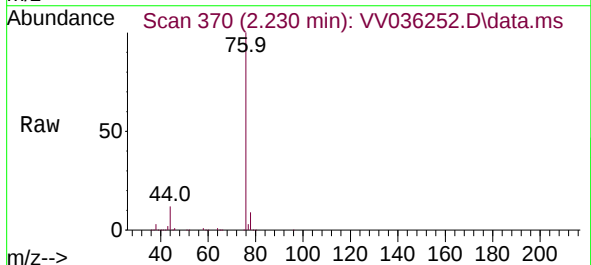
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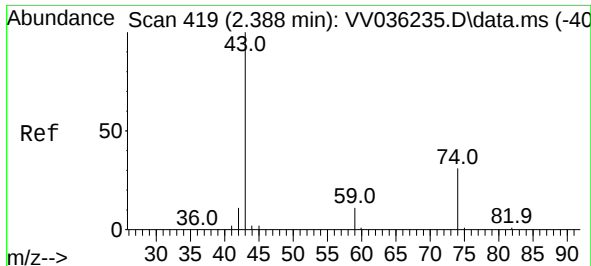
Tgt Ion: 76 Resp: 408252

Ion Ratio Lower Upper

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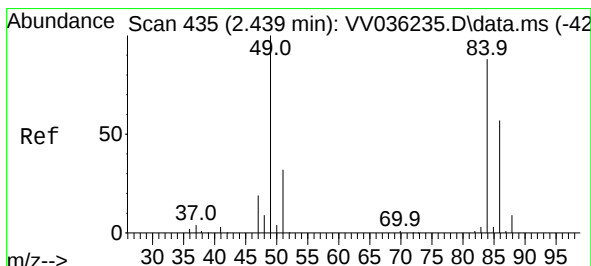
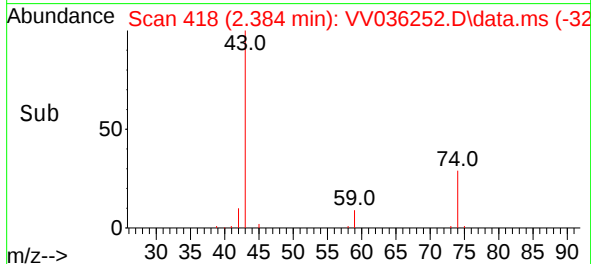
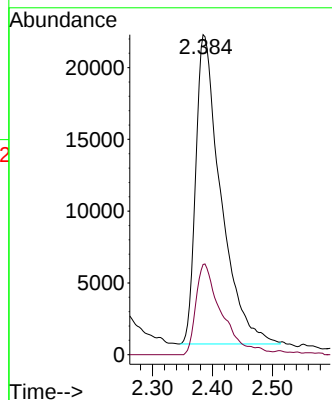
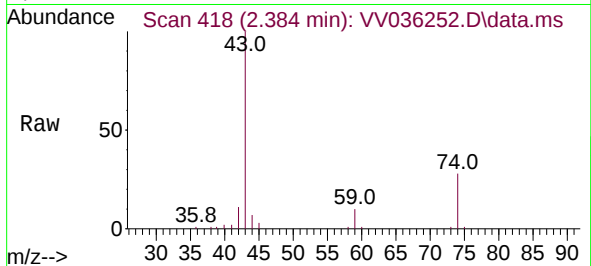




#15
Methyl Acetate
Concen: 14.948 ug/L
RT: 2.384 min Scan# 419
Delta R.T. -0.003 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

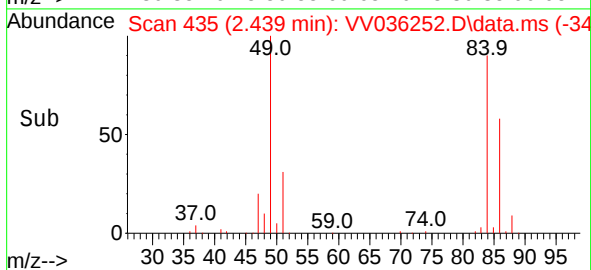
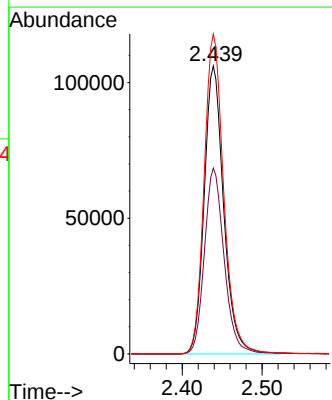
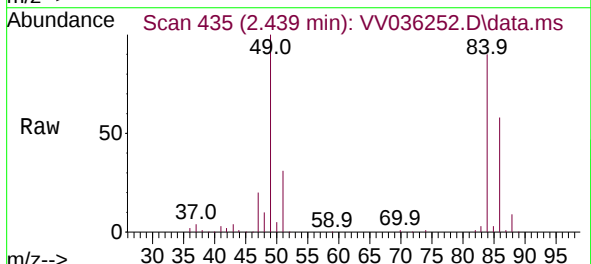
Instrument :
MSVOA_V
ClientSampleId :

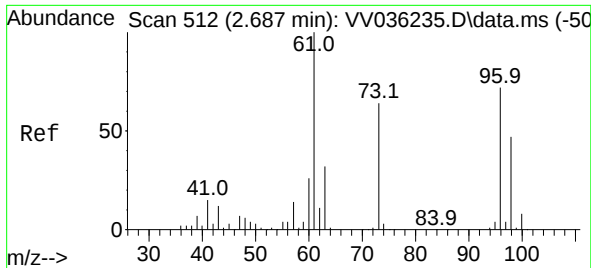
Tgt Ion: 43 Resp: 62715
Ion Ratio Lower Upper
43 100
74 29.2 21.4 32.2



#16
Methylene chloride
Concen: 15.491 ug/L
RT: 2.439 min Scan# 435
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

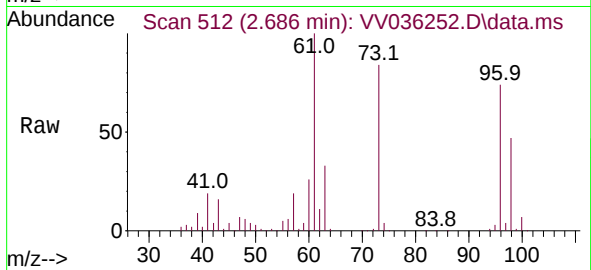
Tgt Ion: 84 Resp: 180069
Ion Ratio Lower Upper
84 100
86 64.5 44.6 82.8
49 111.1 81.1 150.5





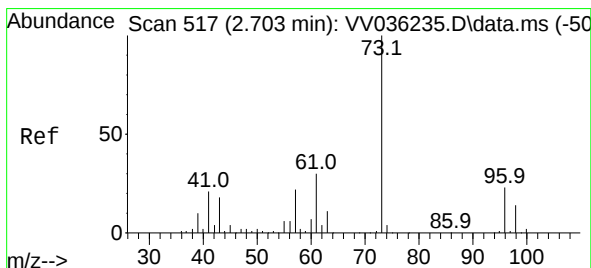
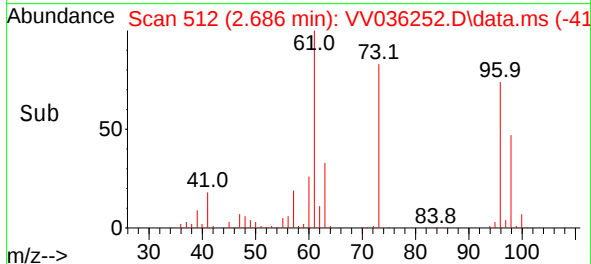
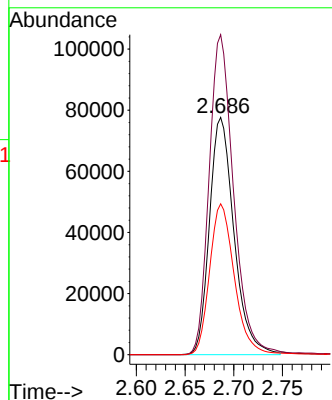
#17
trans-1,2-Dichloroethene
Concen: 15.608 ug/L
RT: 2.686 min Scan# 512
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 136394

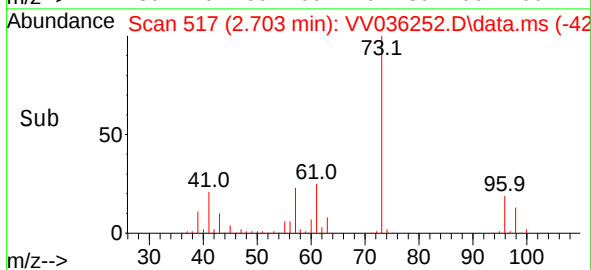
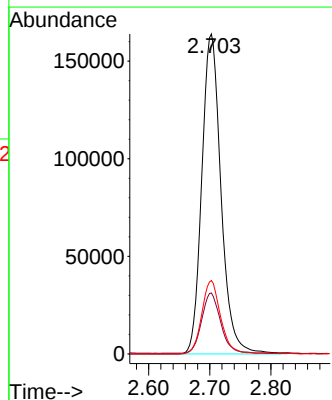
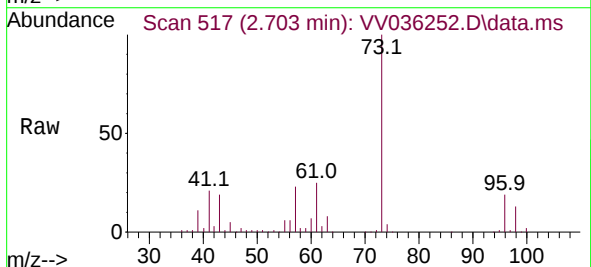
Ion	Ratio	Lower	Upper
96	100		
61	134.9	99.4	184.6
98	63.6	44.9	83.3

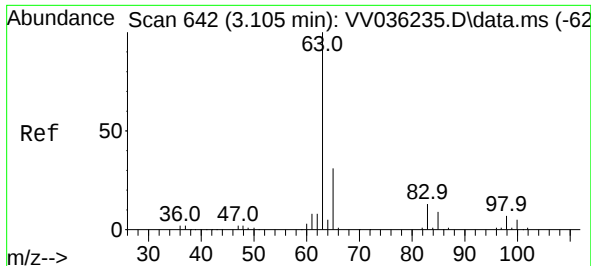


#18
Methyl tert-butyl Ether
Concen: 18.276 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

Tgt Ion: 73 Resp: 358545

Ion	Ratio	Lower	Upper
73	100		
43	18.4	14.3	21.5
57	22.7	17.8	26.6

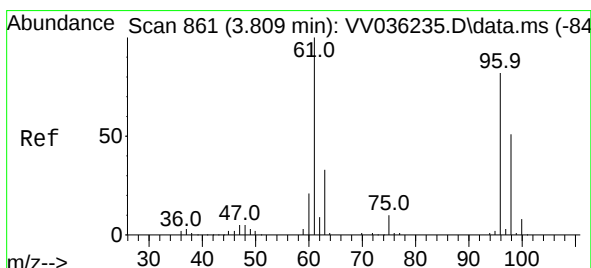
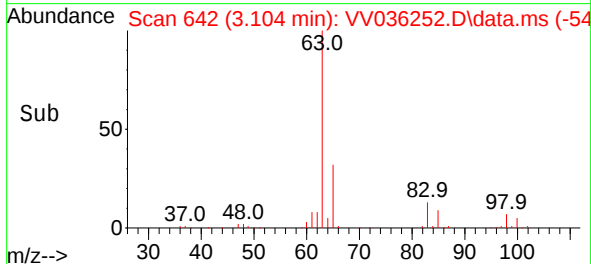
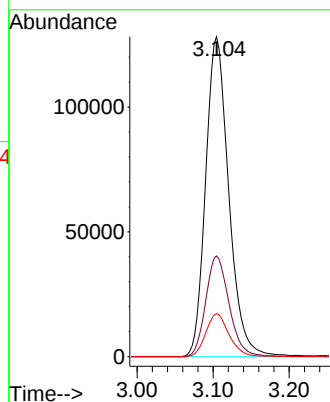
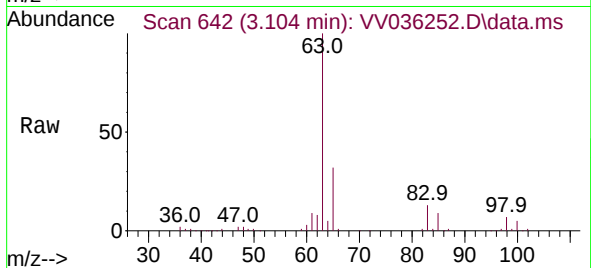




#19
1,1-Dichloroethane
Concen: 16.244 ug/L
RT: 3.104 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

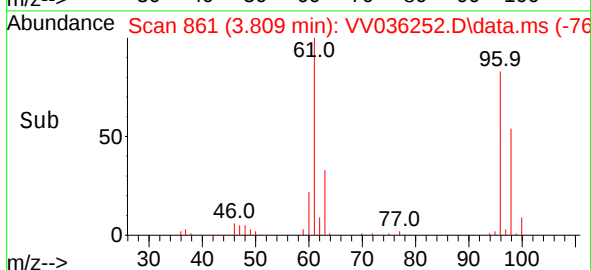
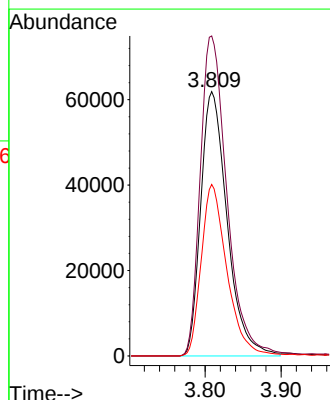
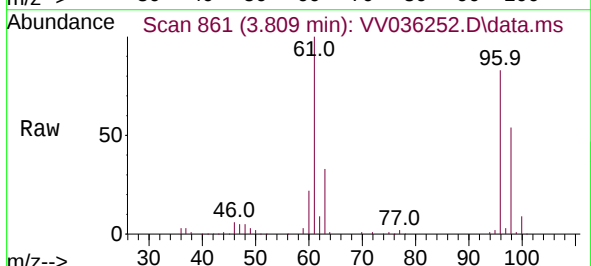
Instrument :
MSVOA_V
ClientSampleId :

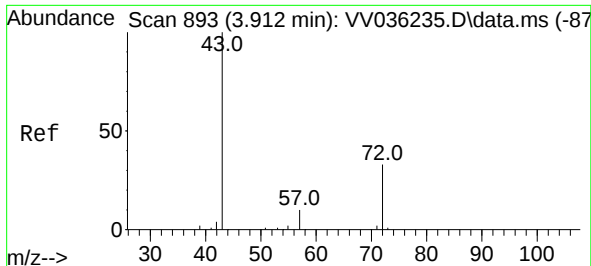
Tgt Ion: 63 Resp: 270333
Ion Ratio Lower Upper
63 100
65 31.5 22.4 41.6
83 13.5 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 17.042 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

Tgt Ion: 96 Resp: 149643
Ion Ratio Lower Upper
96 100
61 121.1 87.9 163.3
98 64.9 44.4 82.5





#22

2-Butanone

Concen: 23.215 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.003 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

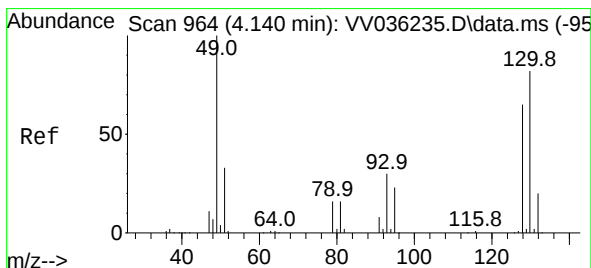
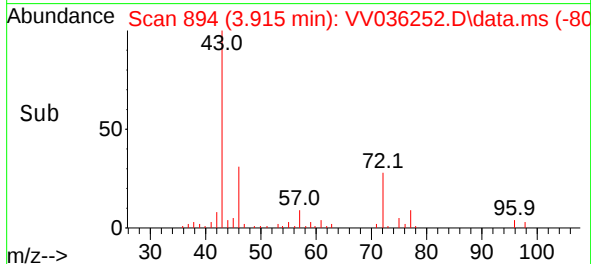
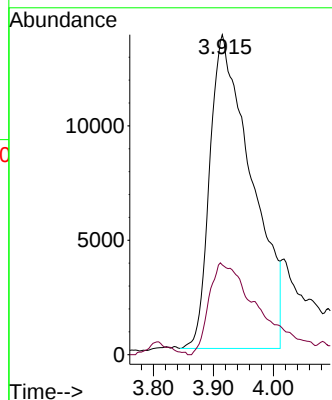
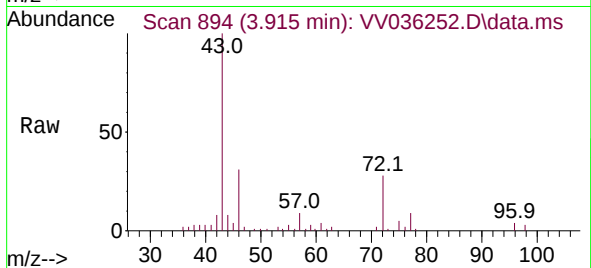
ClientSampleId :

Tgt Ion: 43 Resp: 66492

Ion Ratio Lower Upper

43 100

72 23.7 8.2 24.4



#23

Bromochloromethane

Concen: 17.704 ug/L

RT: 4.140 min Scan# 964

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Tgt Ion: 128 Resp: 77977

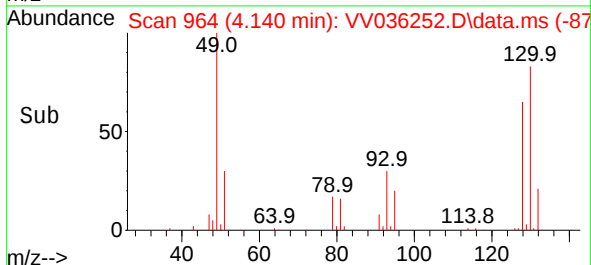
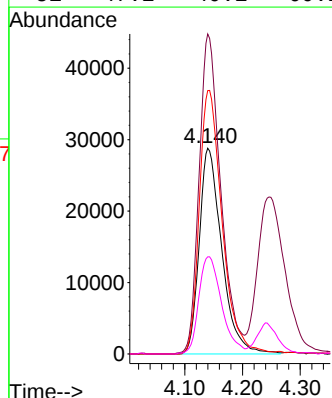
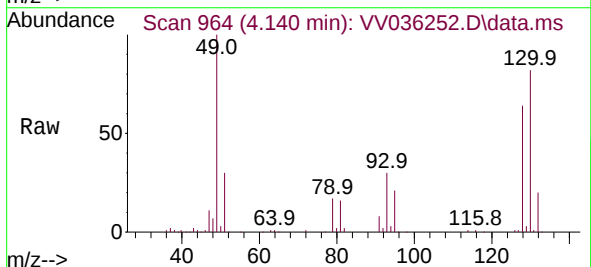
Ion Ratio Lower Upper

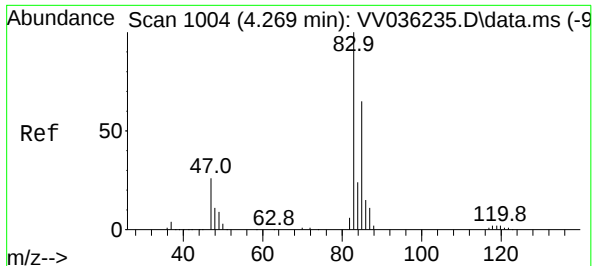
128 100

49 155.5 110.2 204.6

130 128.0 90.2 167.4

51 47.2 40.2 60.2





#25

Chloroform

Concen: 17.148 ug/L

RT: 4.268 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

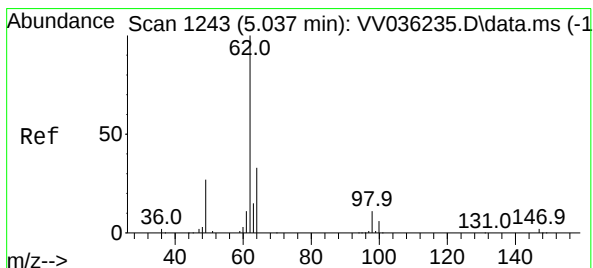
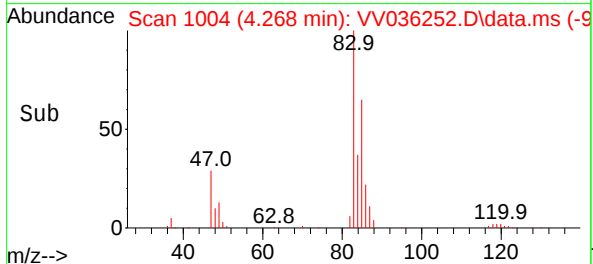
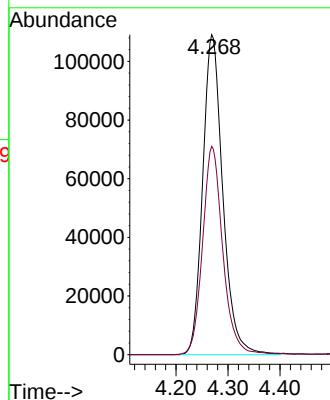
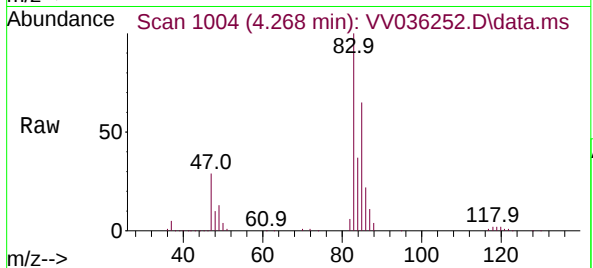
ClientSampleId :

Tgt Ion: 83 Resp: 293558

Ion Ratio Lower Upper

83 100

85 65.1 45.2 84.0



#27

1,2-Dichloroethane

Concen: 18.109 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV036252.D

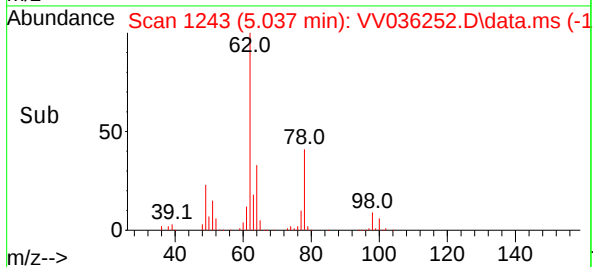
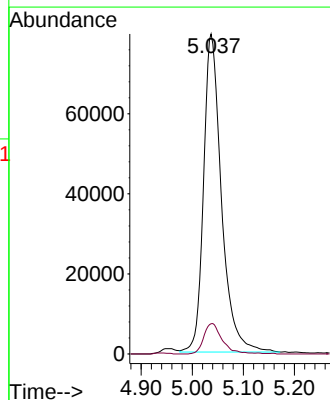
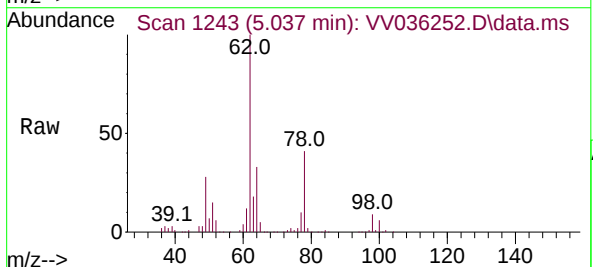
Acq: 24 Jun 2024 17:33

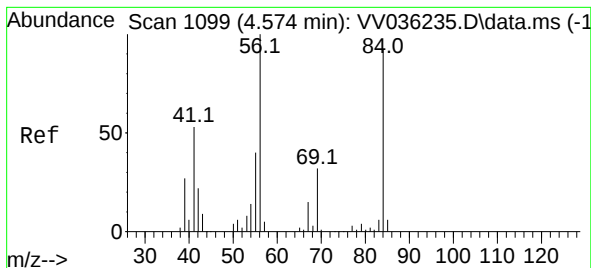
Tgt Ion: 62 Resp: 193545

Ion Ratio Lower Upper

62 100

98 9.5 7.8 11.6





#29

Cyclohexane

Concen: 13.414 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

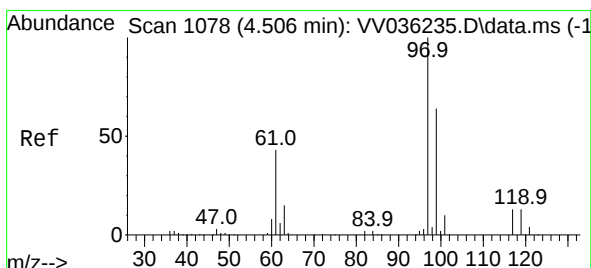
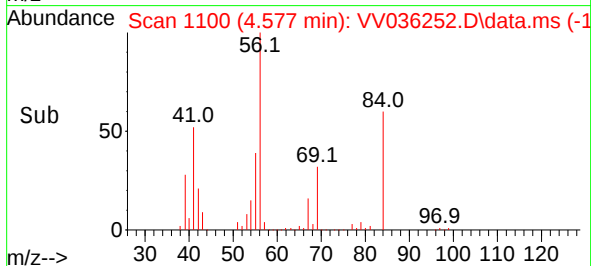
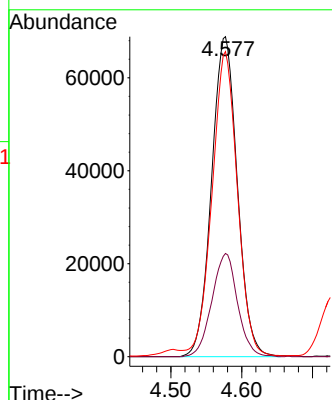
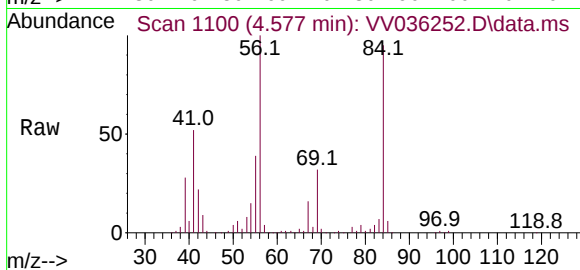
Tgt Ion: 56 Resp: 173780

Ion Ratio Lower Upper

56 100

69 32.1 25.2 37.8

84 93.2 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 15.089 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

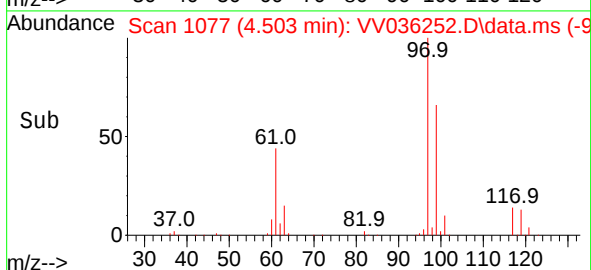
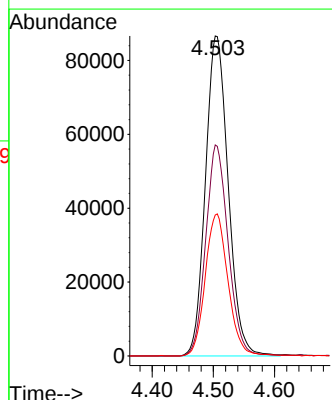
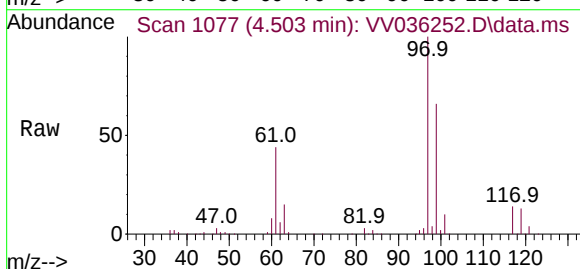
Tgt Ion: 97 Resp: 224463

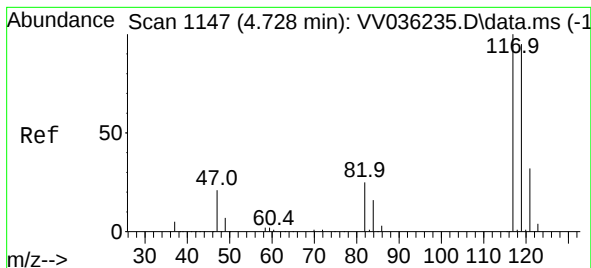
Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 44.3 35.0 52.6





#31

Carbon tetrachloride

Concen: 14.787 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

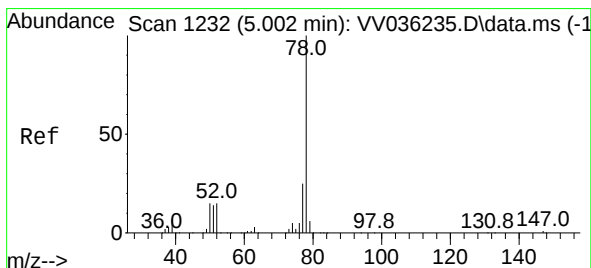
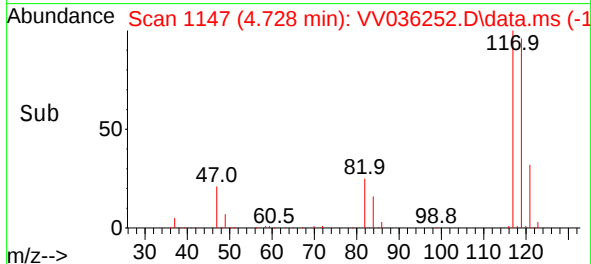
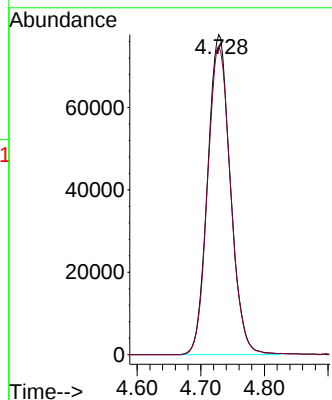
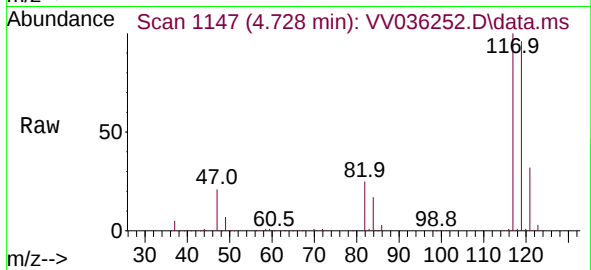
ClientSampleId :

Tgt Ion:117 Resp: 192977

Ion Ratio Lower Upper

117 100

119 97.2 76.8 115.2



#33

Benzene

Concen: 16.318 ug/L

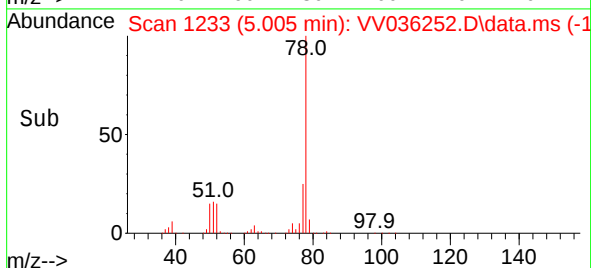
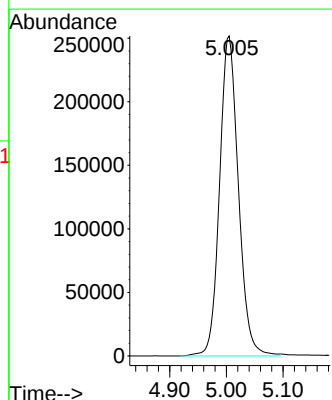
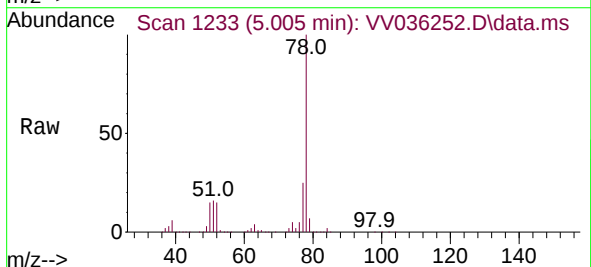
RT: 5.005 min Scan# 1233

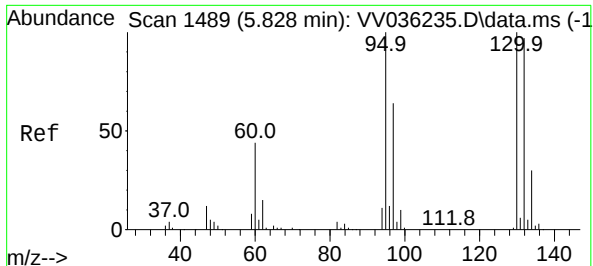
Delta R.T. 0.003 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Tgt Ion: 78 Resp: 580705





#34

Trichloroethene

Concen: 15.536 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 169454

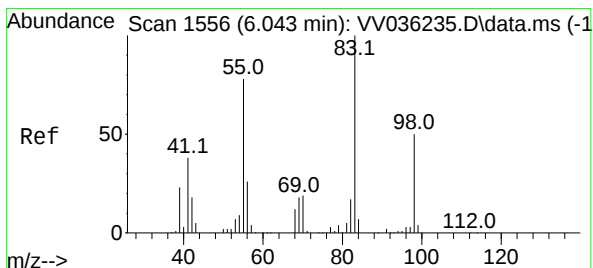
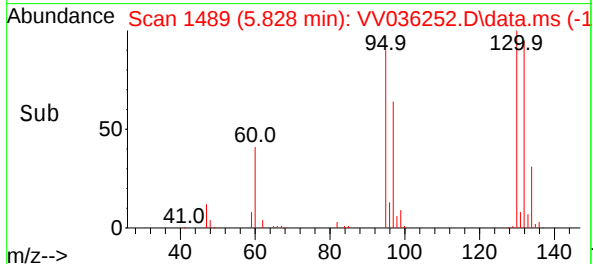
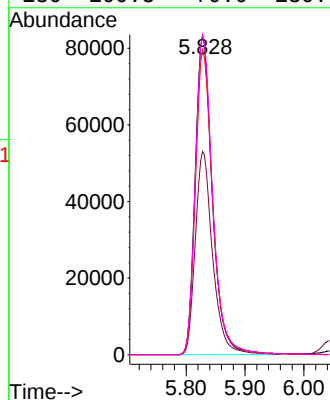
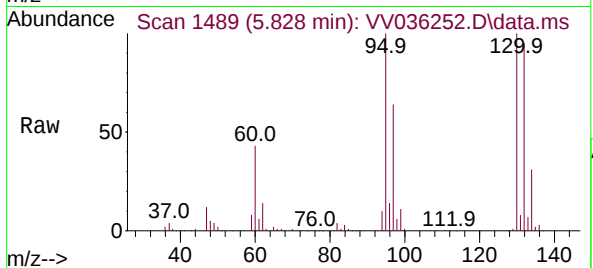
Ion Ratio Lower Upper

95 100

97 63.7 44.8 83.2

132 95.6 66.8 124.2

130 100.3 70.0 130.0



#35

Methylcyclohexane

Concen: 14.465 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

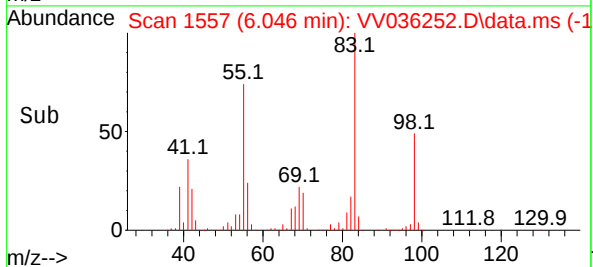
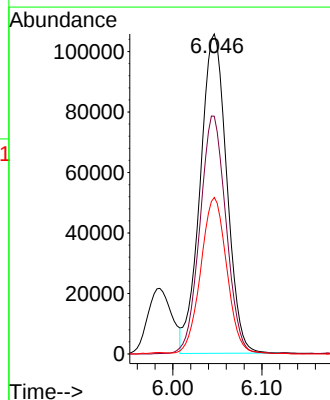
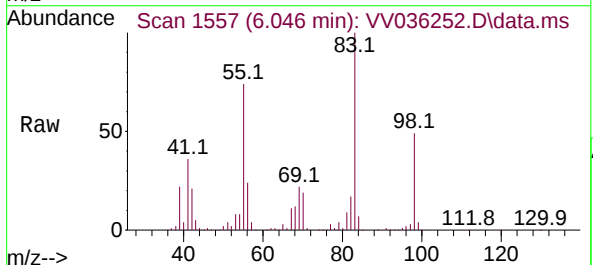
Tgt Ion: 83 Resp: 218185

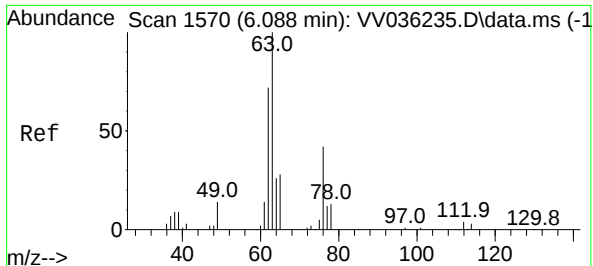
Ion Ratio Lower Upper

83 100

55 73.8 60.7 91.1

98 48.4 38.7 58.1

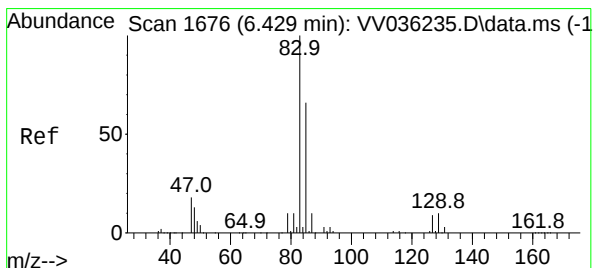
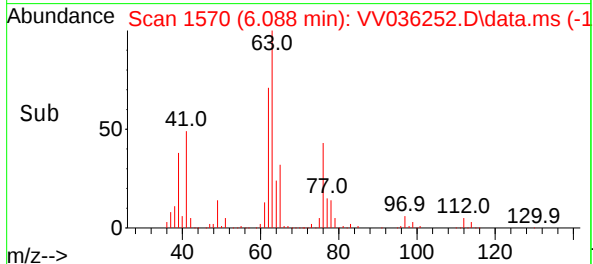
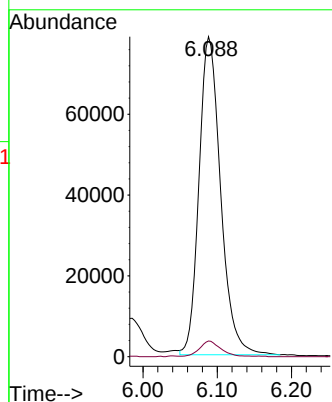
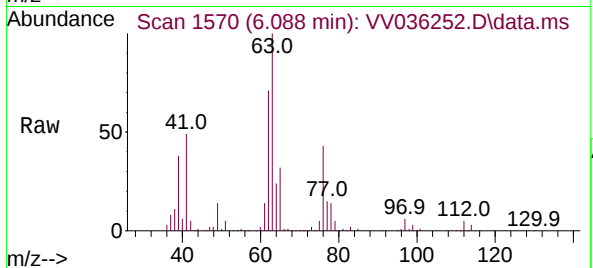




#37
1,2-Dichloropropane
Concen: 17.078 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

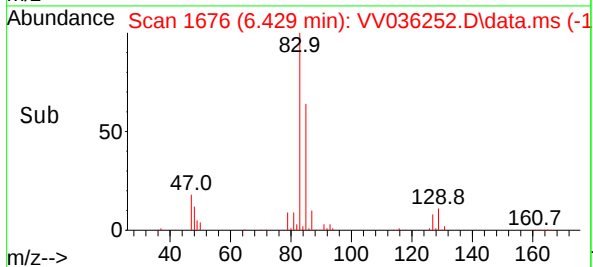
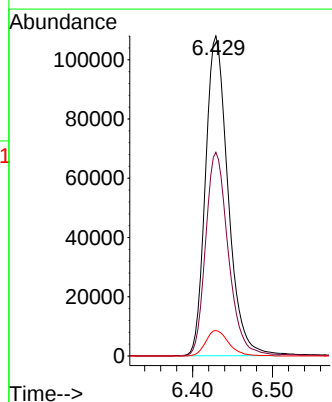
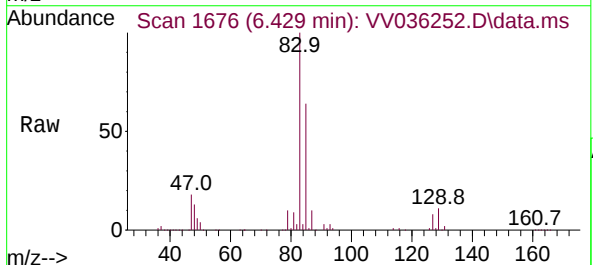
Instrument :
MSVOA_V
ClientSampleId :

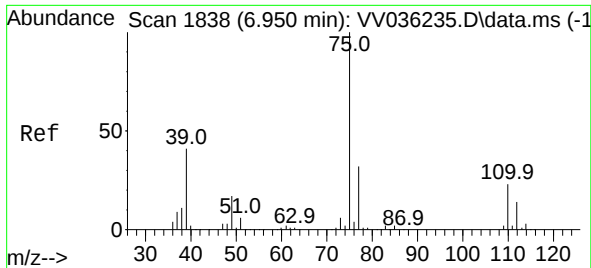
Tgt Ion: 63 Resp: 159590
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



#38
Bromodichloromethane
Concen: 17.156 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

Tgt Ion: 83 Resp: 212191
Ion Ratio Lower Upper
83 100
85 63.6 45.3 84.1
127 7.9 6.7 10.1

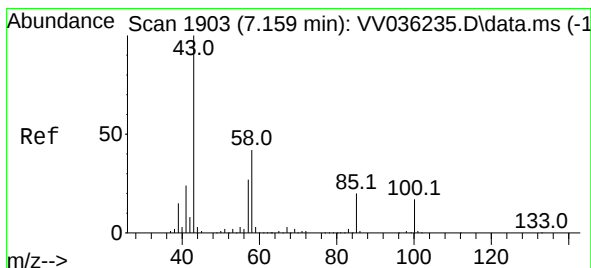
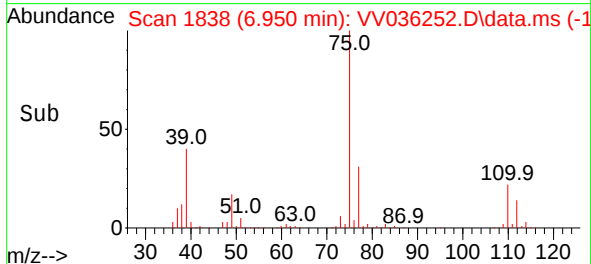
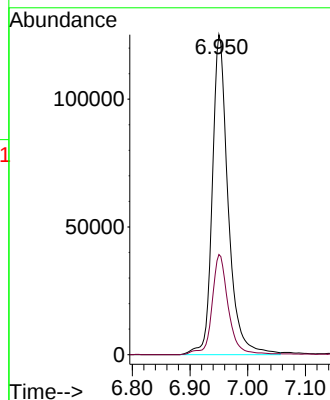
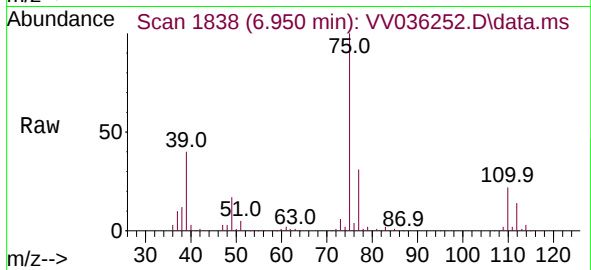




#39
 cis-1,3-Dichloropropene
 Concen: 17.111 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. -0.000 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

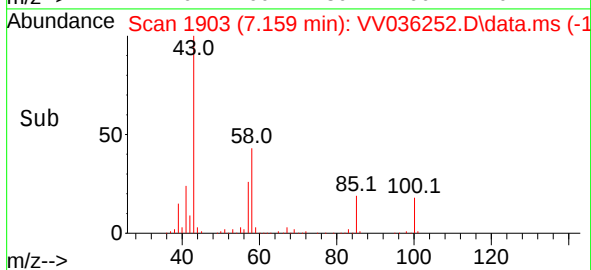
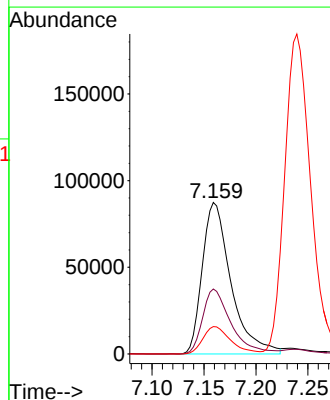
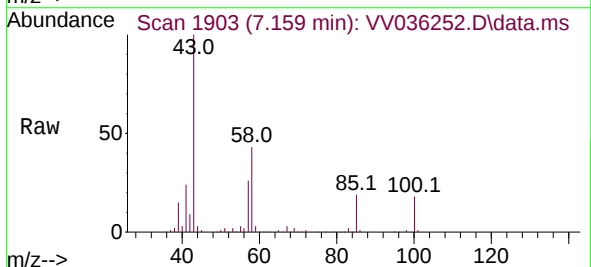
Instrument :
 MSVOA_V
 ClientSampleId :

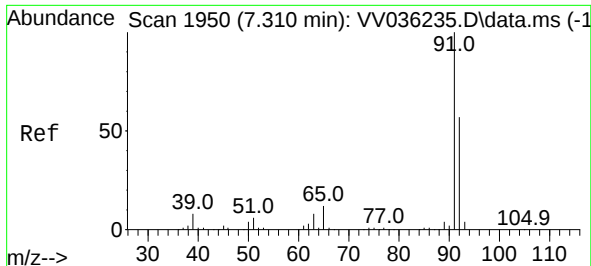
Tgt Ion: 75 Resp: 239158
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 33.185 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

Tgt Ion: 43 Resp: 168480
 Ion Ratio Lower Upper
 43 100
 58 42.3 32.5 48.7
 100 17.5 12.5 18.7





#42

Toluene

Concen: 17.017 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

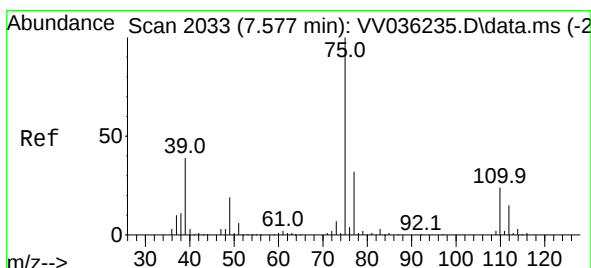
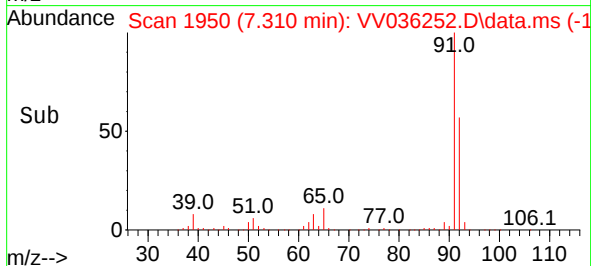
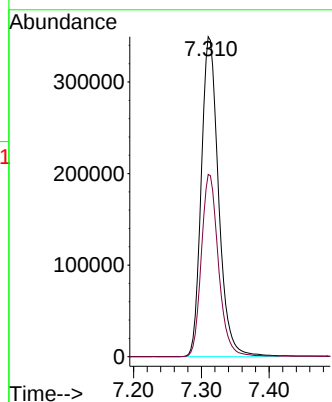
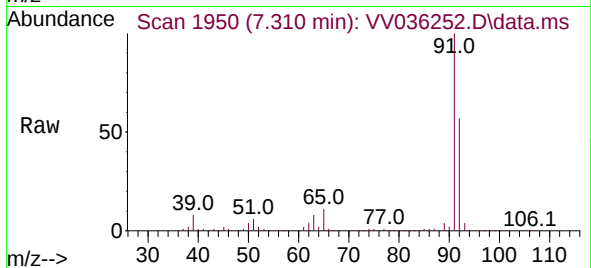
ClientSampleId :

Tgt Ion: 91 Resp: 618816

Ion Ratio Lower Upper

91 100

92 56.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 17.727 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VV036252.D

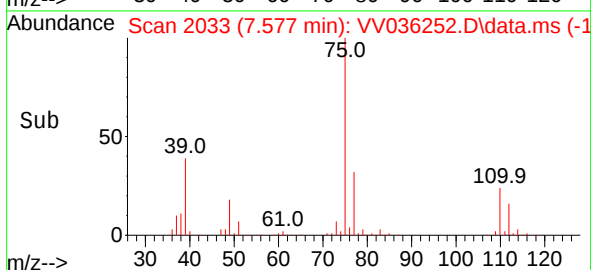
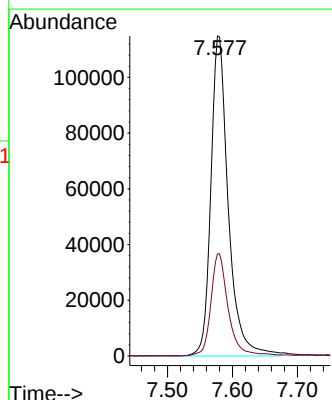
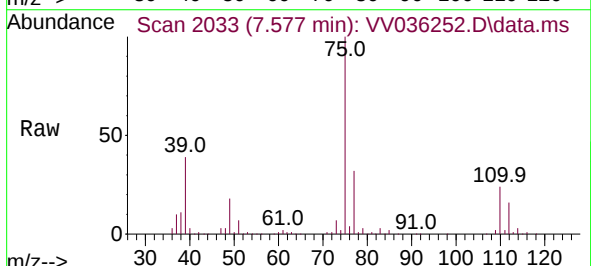
Acq: 24 Jun 2024 17:33

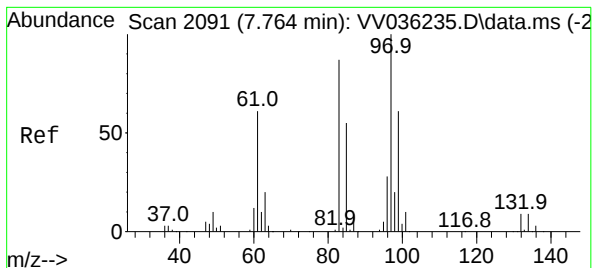
Tgt Ion: 75 Resp: 214004

Ion Ratio Lower Upper

75 100

77 31.9 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 17.420 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 134691

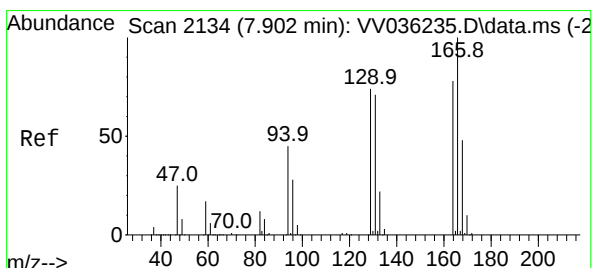
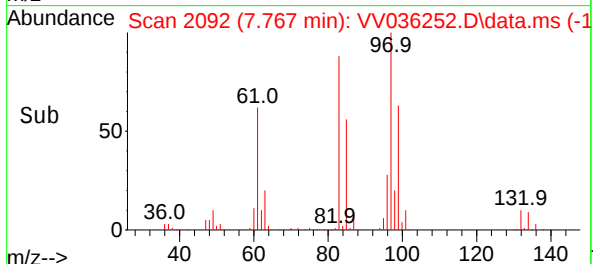
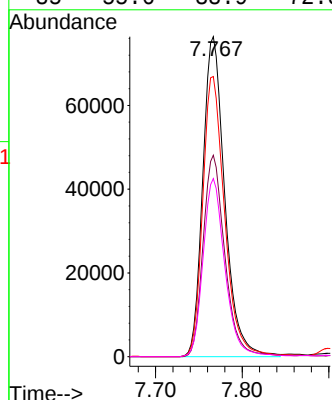
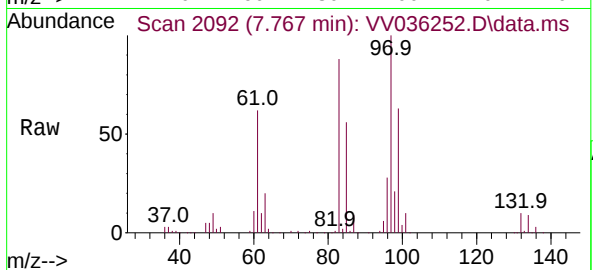
Ion Ratio Lower Upper

97 100

99 63.0 43.3 80.5

83 87.6 60.1 111.7

85 55.6 38.9 72.3



#46

Tetrachloroethene

Concen: 14.625 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Tgt Ion:164 Resp: 116668

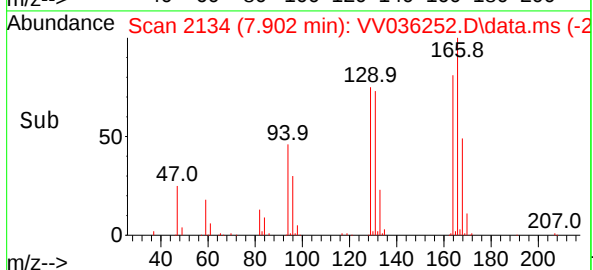
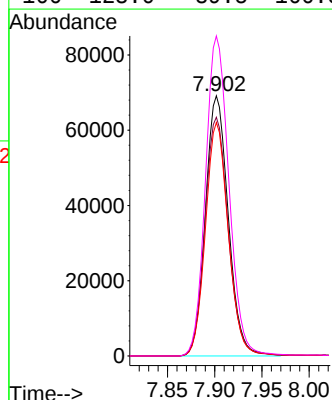
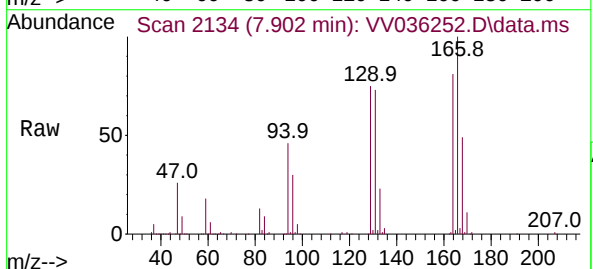
Ion Ratio Lower Upper

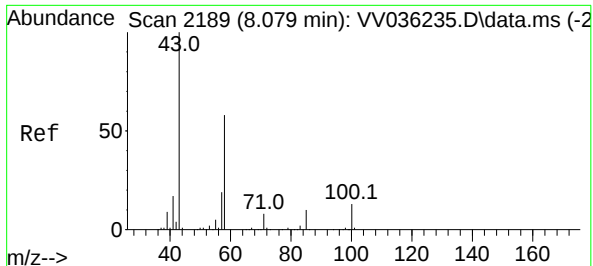
164 100

129 91.8 64.6 120.0

131 89.7 63.2 117.4

166 123.0 89.5 166.3

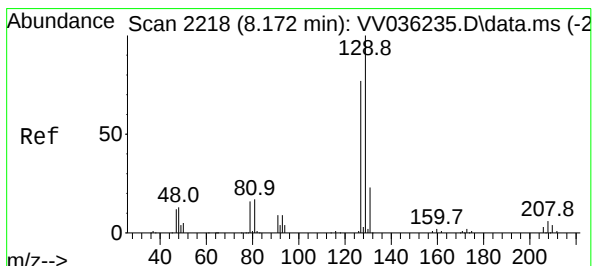
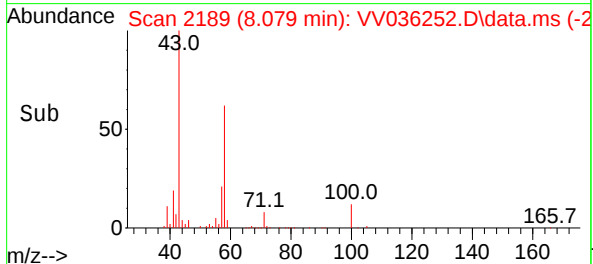
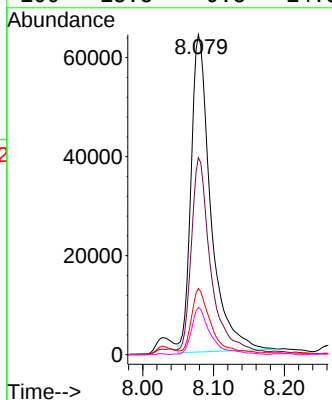
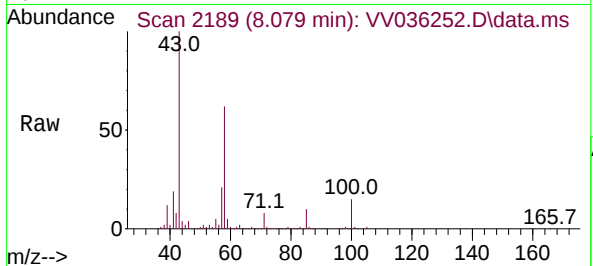




#48
2-Hexanone
Concen: 31.232 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

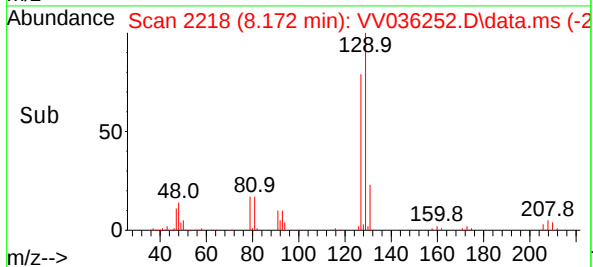
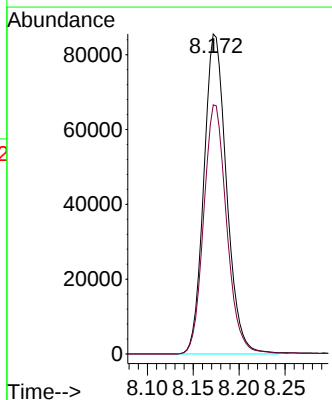
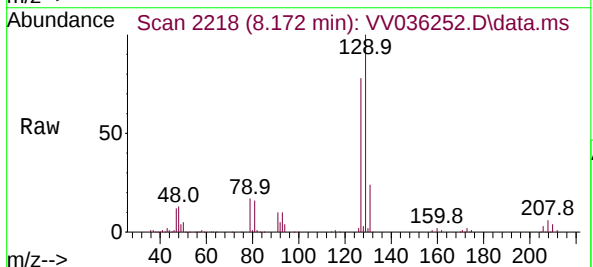
Instrument :
MSVOA_V
ClientSampleId :

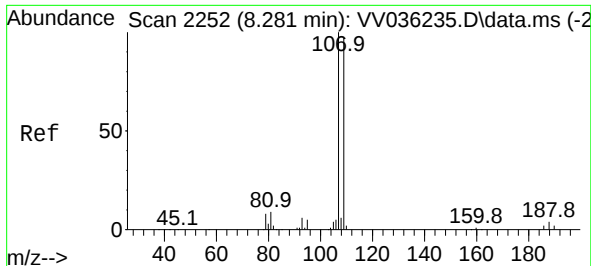
Tgt Ion: 43 Resp: 123962
Ion Ratio Lower Upper
43 100
58 60.4 45.4 68.0
57 20.2 15.8 23.8
100 13.8 9.8 14.8



#49
Dibromochloromethane
Concen: 17.415 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

Tgt Ion:129 Resp: 147369
Ion Ratio Lower Upper
129 100
127 77.8 53.9 100.1

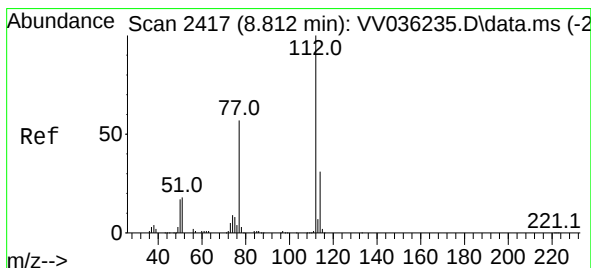
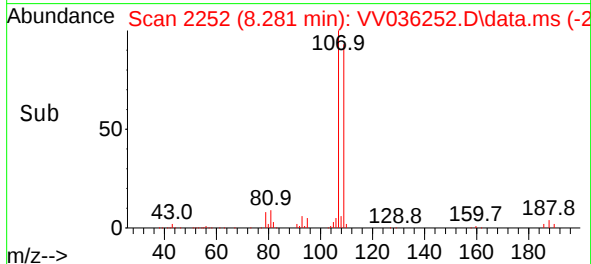
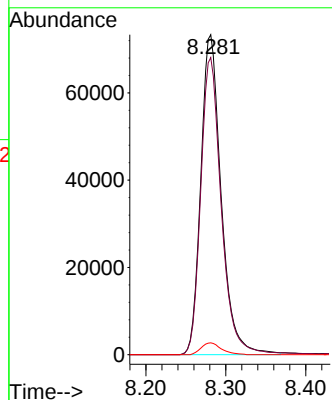
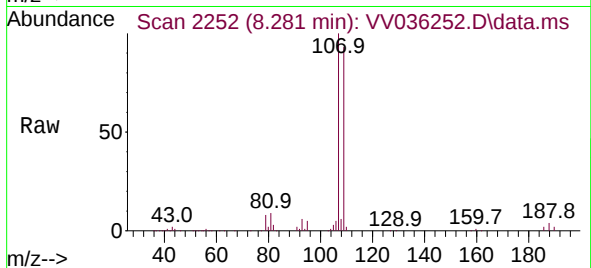




#50
1,2-Dibromoethane
Concen: 17.575 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

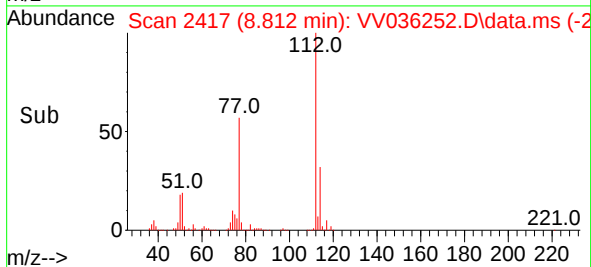
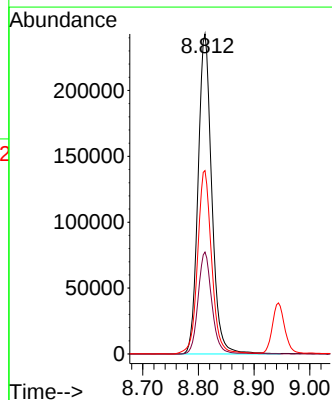
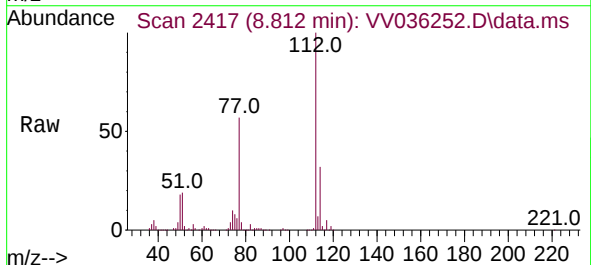
Instrument :
MSVOA_V
ClientSampleId :

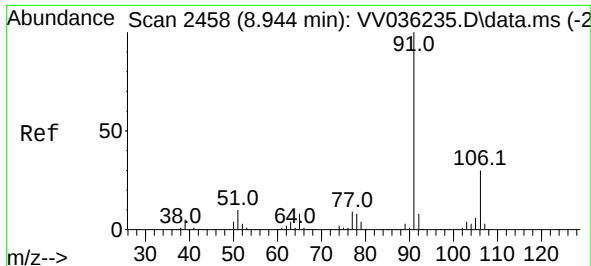
Tgt Ion:107 Resp: 130390
Ion Ratio Lower Upper
107 100
109 92.8 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 16.740 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

Tgt Ion:112 Resp: 414759
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 57.3 47.3 70.9





#52

Ethylbenzene

Concen: 16.499 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

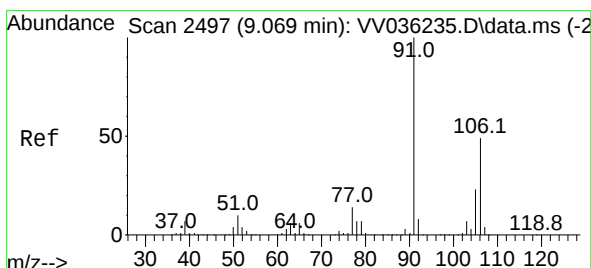
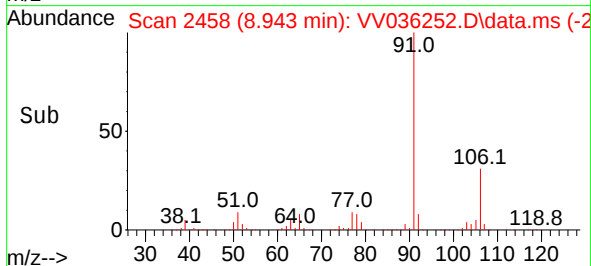
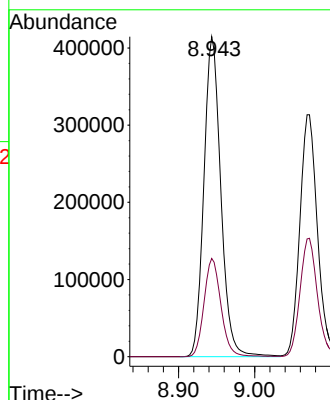
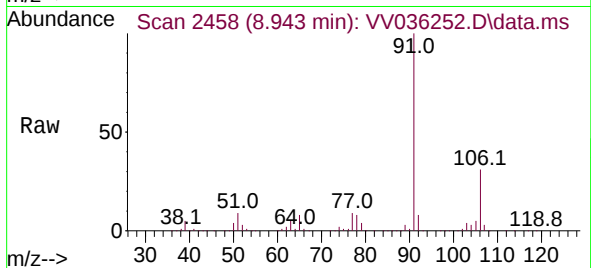
ClientSampleId :

Tgt Ion: 91 Resp: 641896

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.0



#53

m,p-Xylene

Concen: 16.722 ug/L

RT: 9.072 min Scan# 2498

Delta R.T. 0.003 min

Lab File: VV036252.D

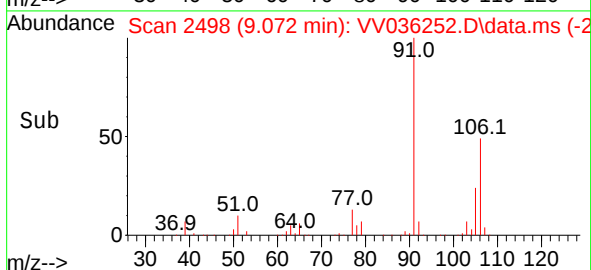
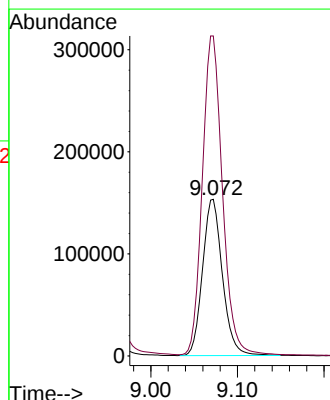
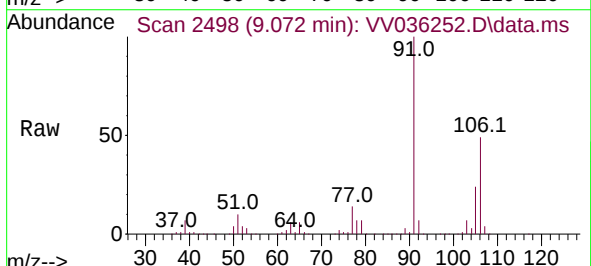
Acq: 24 Jun 2024 17:33

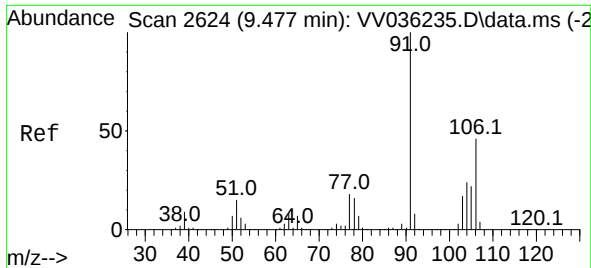
Tgt Ion: 106 Resp: 244453

Ion Ratio Lower Upper

106 100

91 204.3 143.1 265.9

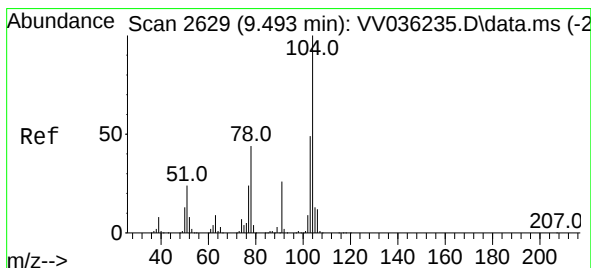
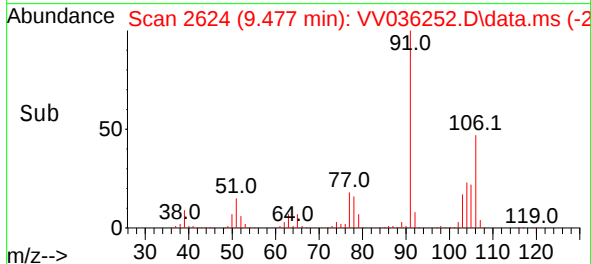
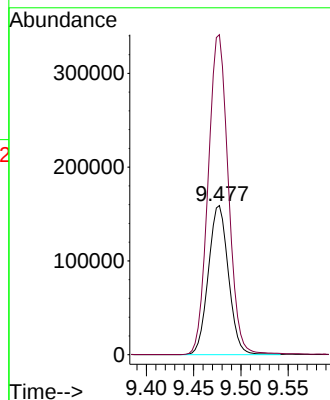
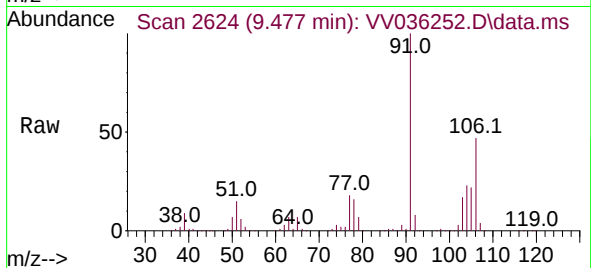




#54
o-Xylene
Concen: 17.071 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

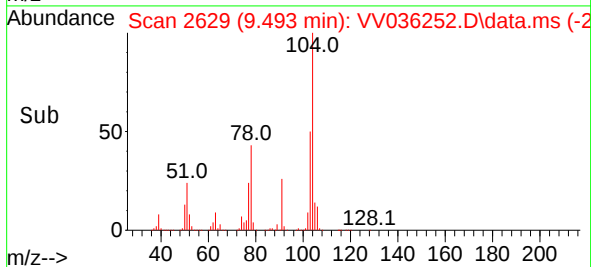
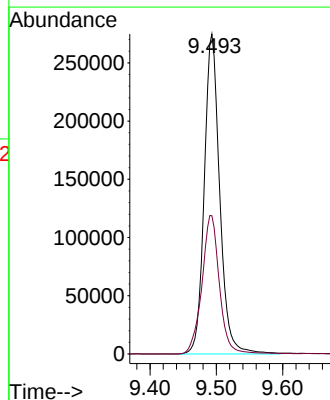
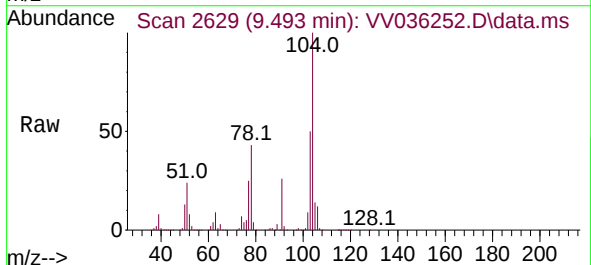
Instrument :
MSVOA_V
ClientSampleId :

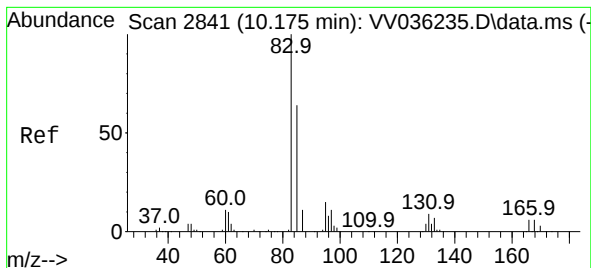
Tgt Ion:106 Resp: 235340
Ion Ratio Lower Upper
106 100
91 214.7 154.5 286.9



#55
Styrene
Concen: 18.305 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

Tgt Ion:104 Resp: 445025
Ion Ratio Lower Upper
104 100
78 43.2 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 18.268 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

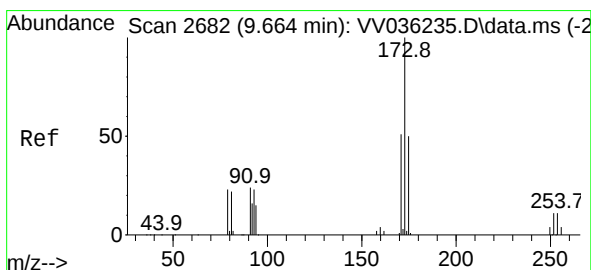
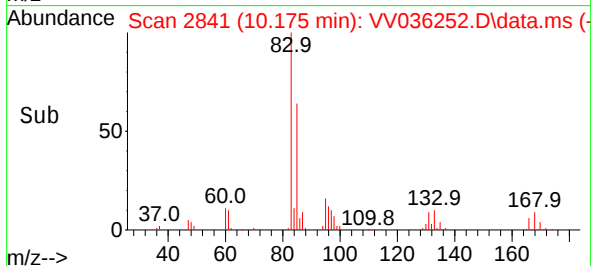
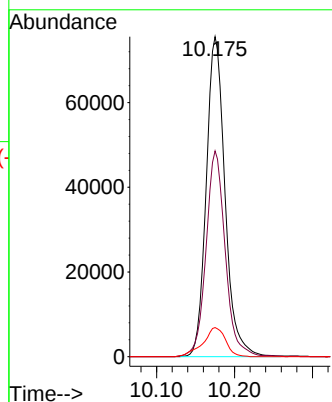
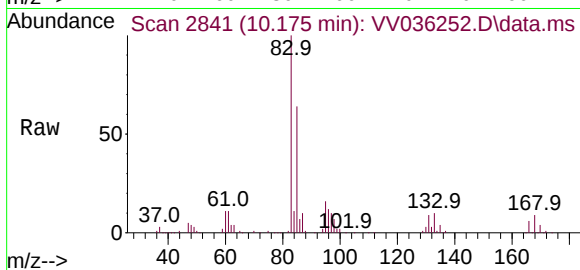
Tgt Ion: 83 Resp: 126475

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

131 9.1 7.6 11.4



#59

Bromoform

Concen: 17.173 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

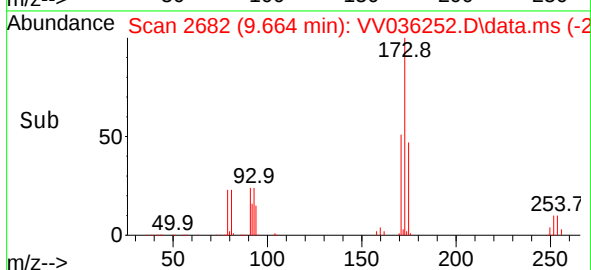
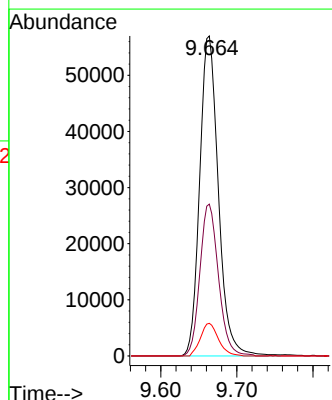
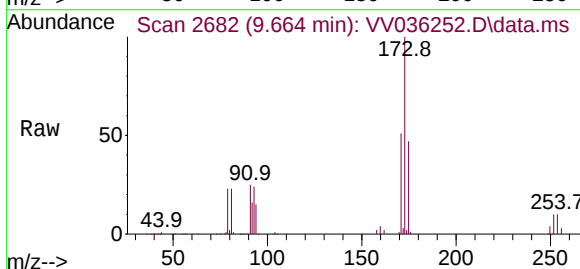
Tgt Ion: 173 Resp: 97125

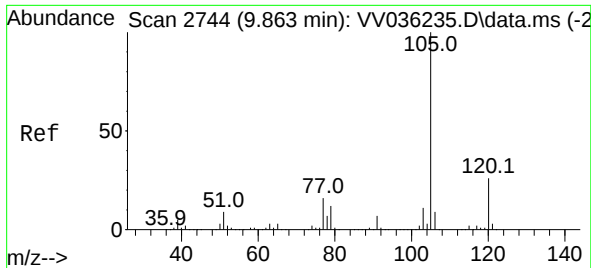
Ion Ratio Lower Upper

173 100

175 47.1 39.0 58.6

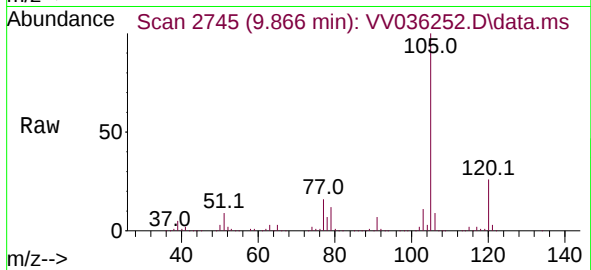
254 9.8 8.6 13.0



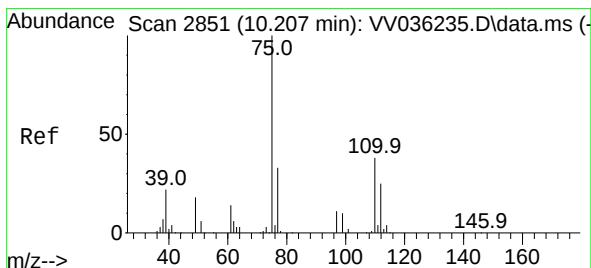
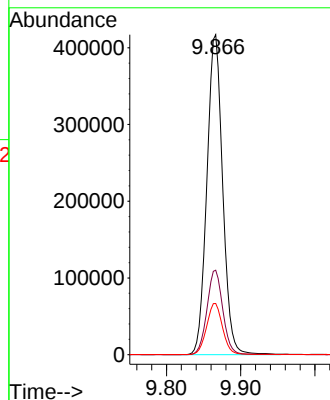
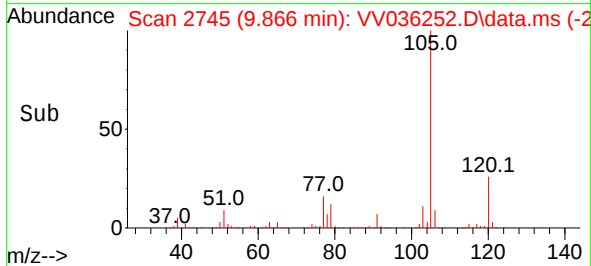


#60
Isopropylbenzene
Concen: 15.987 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33

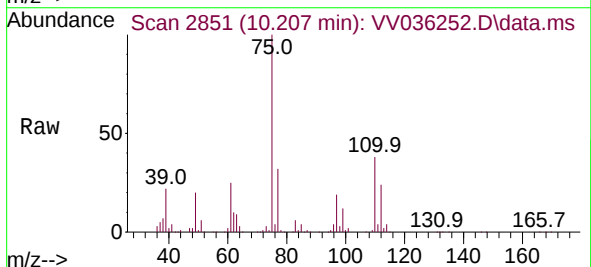
Instrument :
MSVOA_V
ClientSampleId :



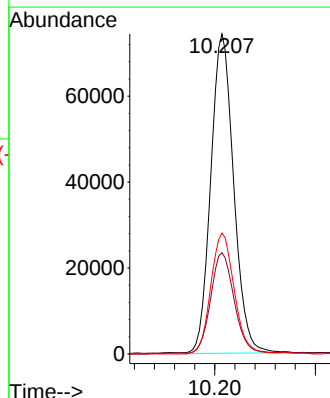
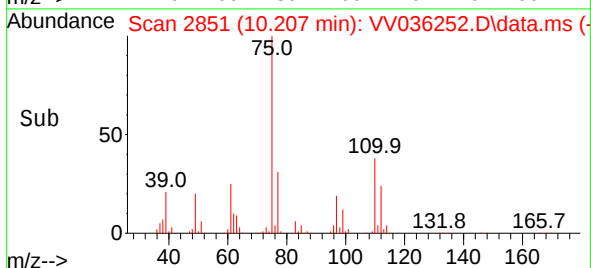
Tgt Ion:105 Resp: 615111
Ion Ratio Lower Upper
105 100
120 26.6 21.0 31.6
77 16.1 12.6 18.8

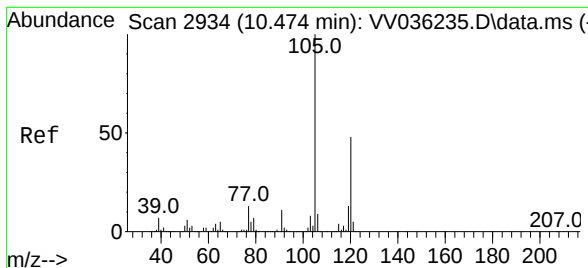


#61
1,2,3-Trichloropropane
Concen: 16.562 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036252.D
Acq: 24 Jun 2024 17:33



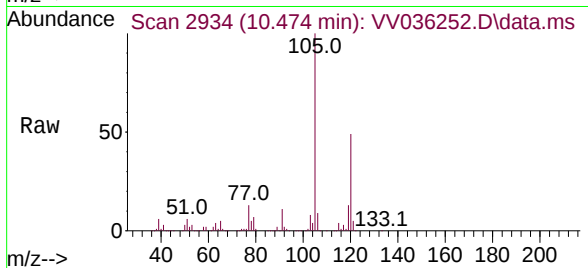
Tgt Ion: 75 Resp: 117473
Ion Ratio Lower Upper
75 100
77 32.1 26.0 39.0
110 38.7 32.2 48.4



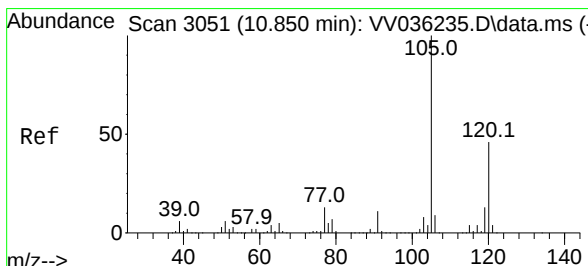
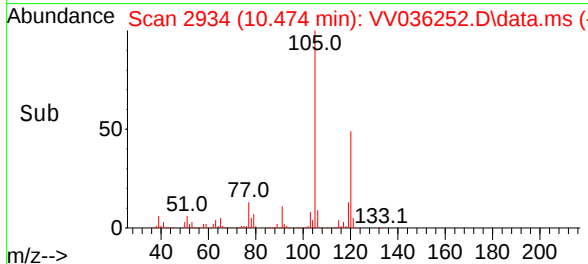
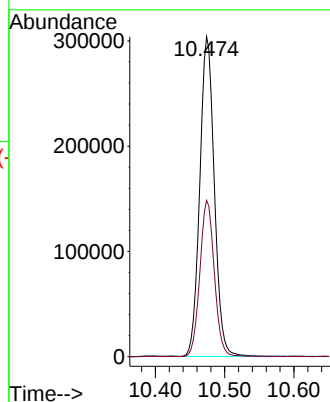


#62
 1,3,5-Trimethylbenzene
 Concen: 15.929 ug/L
 RT: 10.474 min Scan# 2934
 Delta R.T. -0.000 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

Instrument :
 MSVOA_V
 ClientSampleId :

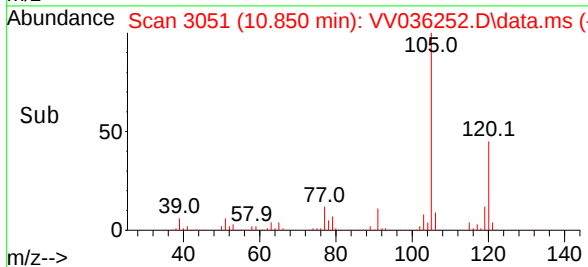
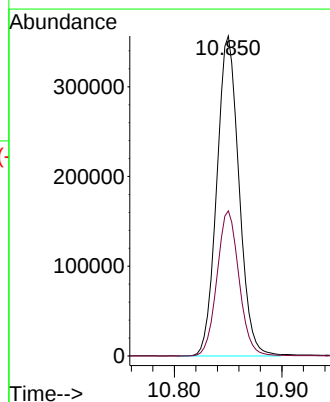
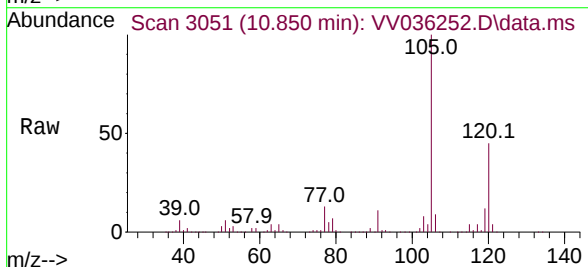


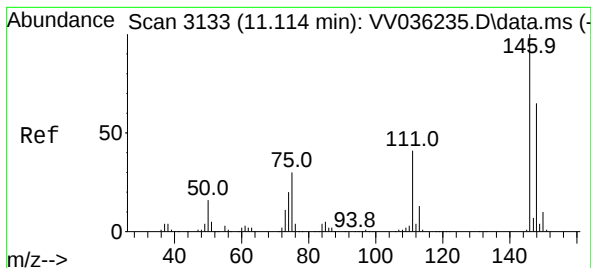
Tgt Ion:105 Resp: 444427
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 17.014 ug/L
 RT: 10.850 min Scan# 3051
 Delta R.T. -0.000 min
 Lab File: VV036252.D
 Acq: 24 Jun 2024 17:33

Tgt Ion:105 Resp: 511439
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 16.261 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

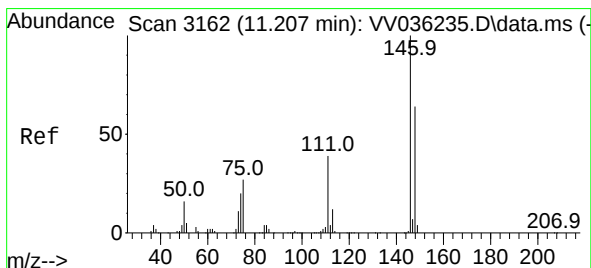
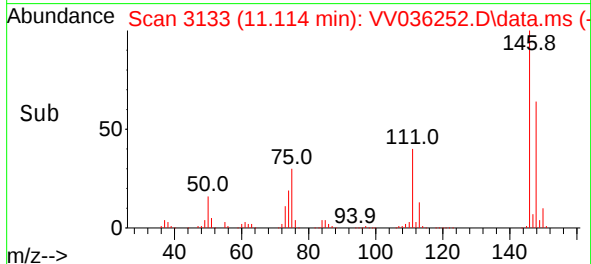
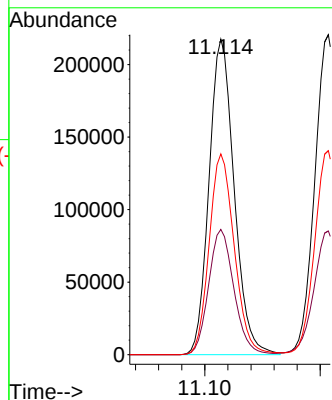
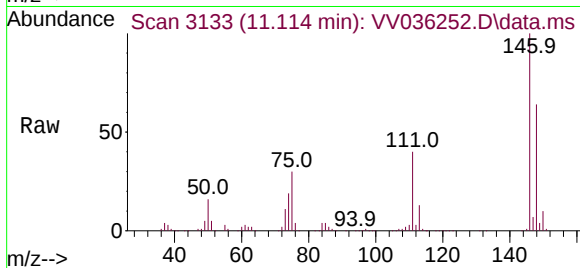
Tgt Ion:146 Resp: 328572

Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.1

148 63.7 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 16.656 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

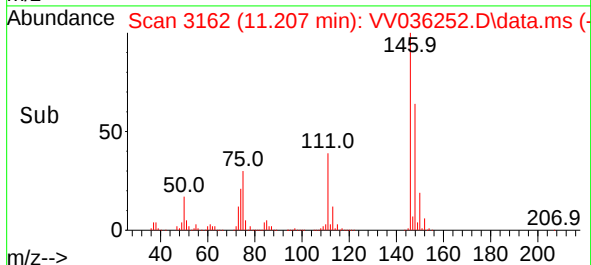
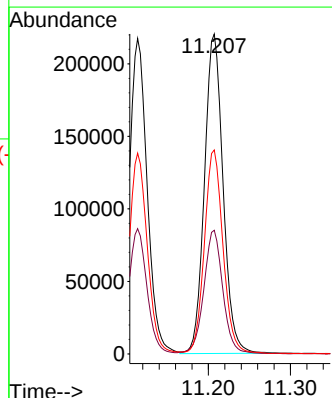
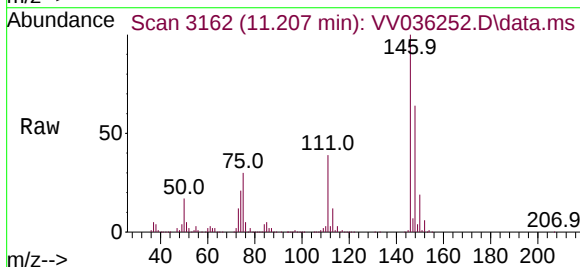
Tgt Ion:146 Resp: 347387

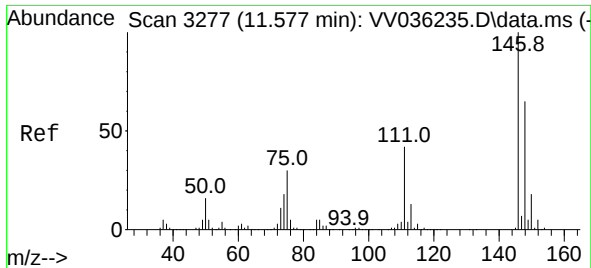
Ion Ratio Lower Upper

146 100

111 38.7 26.9 50.1

148 63.7 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 16.947 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

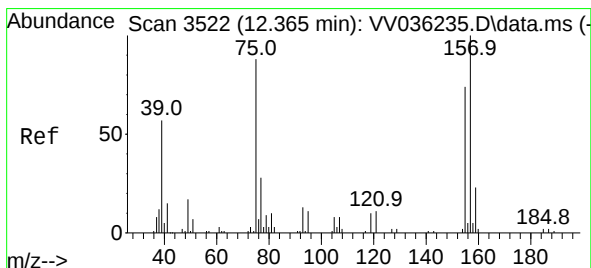
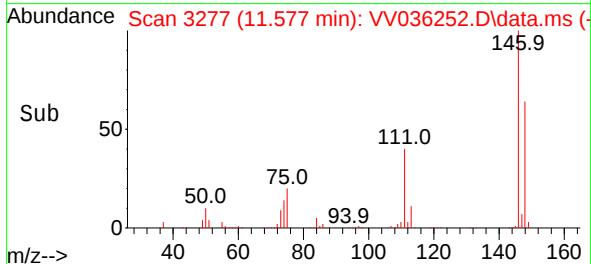
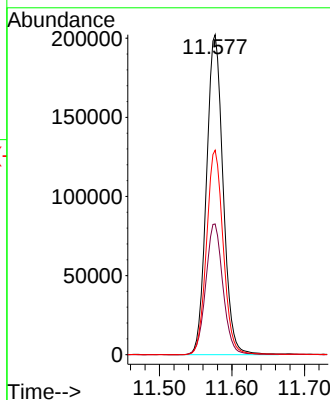
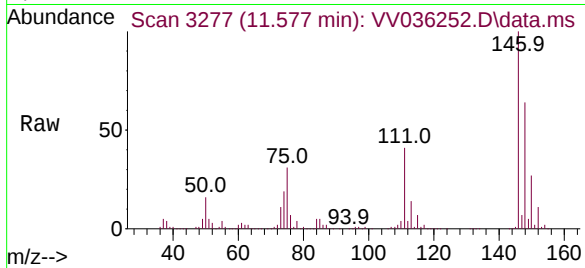
Tgt Ion:146 Resp: 322239

Ion Ratio Lower Upper

146 100

111 40.8 33.5 50.3

148 63.9 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 16.909 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.003 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

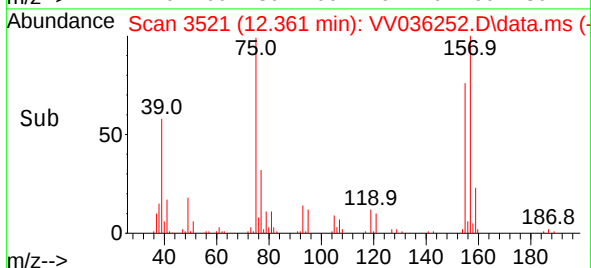
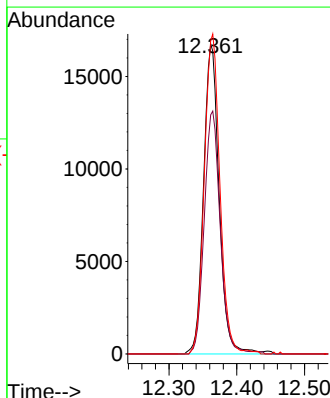
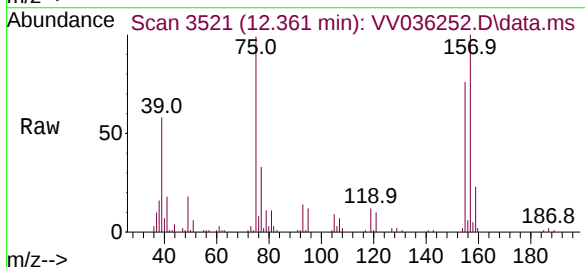
Tgt Ion: 75 Resp: 26820

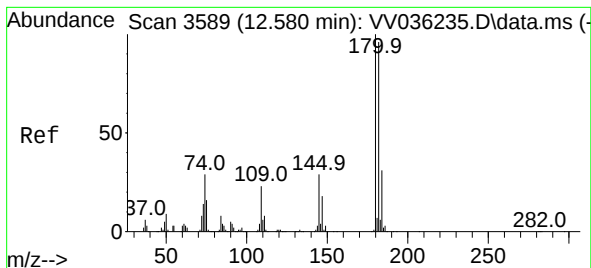
Ion Ratio Lower Upper

75 100

155 77.1 63.3 94.9

157 101.0 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 15.359 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

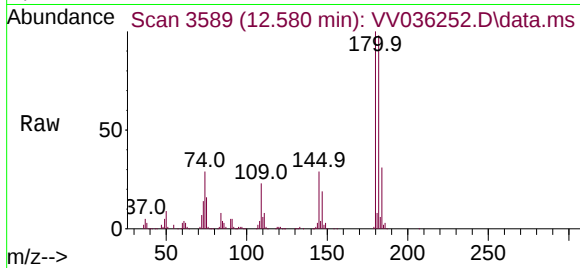
Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 232144

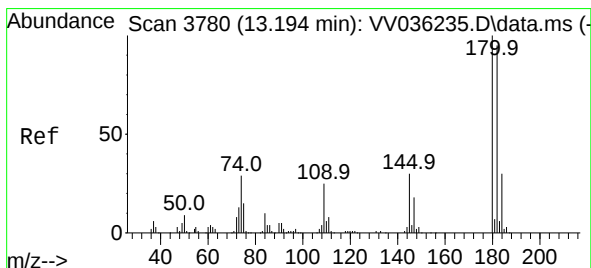
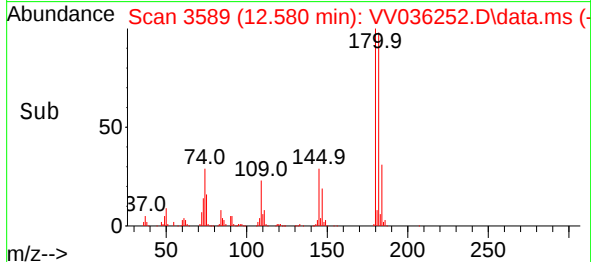
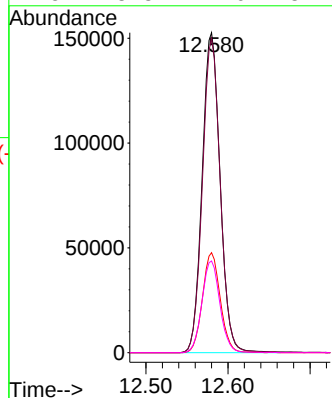
Ion Ratio Lower Upper

180 100

182 97.2 76.2 114.4

184 31.0 24.2 36.2

145 28.8 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 16.071 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

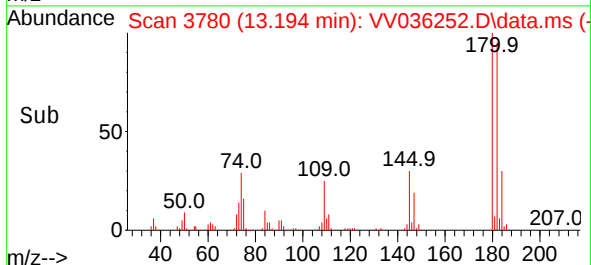
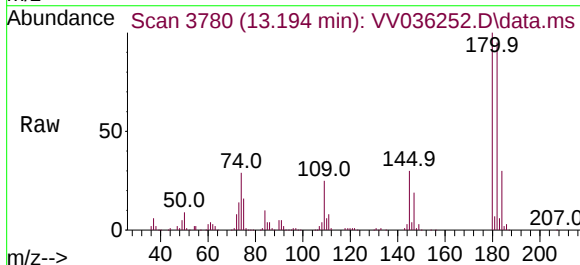
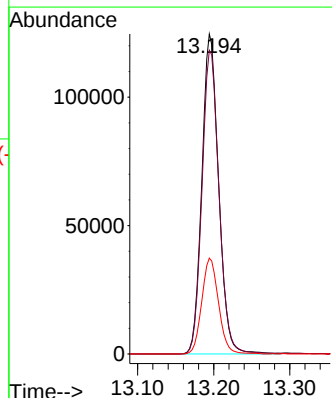
Tgt Ion:180 Resp: 191253

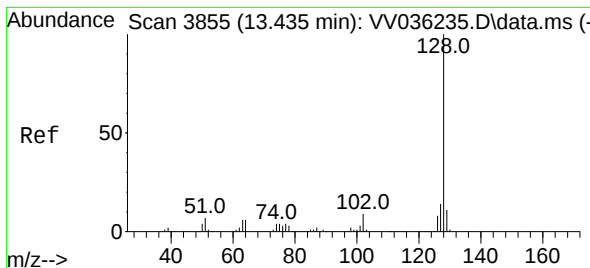
Ion Ratio Lower Upper

180 100

182 96.2 76.1 114.1

145 29.8 23.5 35.3





#71

Naphthalene

Concen: 21.049 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Instrument :

MSVOA_V

ClientSampleId :

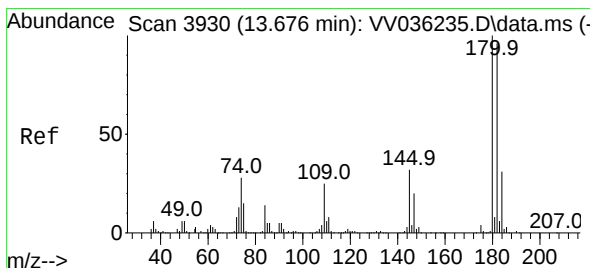
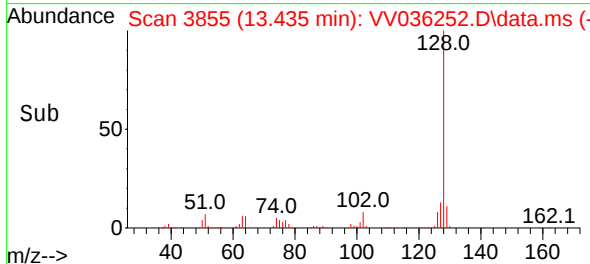
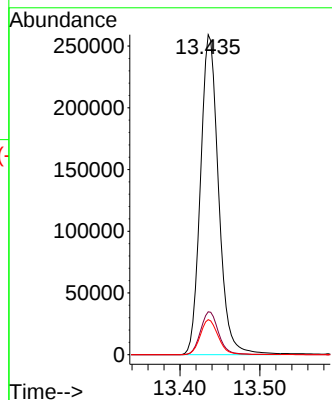
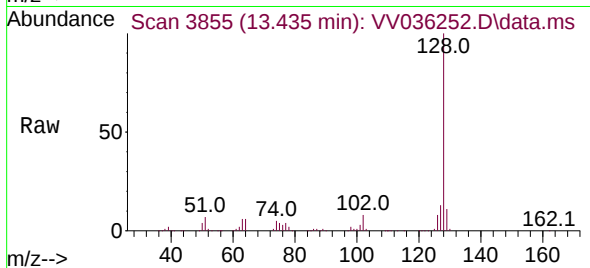
Tgt Ion:128 Resp: 408801

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 16.970 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV036252.D

Acq: 24 Jun 2024 17:33

Tgt Ion:180 Resp: 184293

Ion Ratio Lower Upper

180 100

182 94.9 75.1 112.7

145 31.6 25.2 37.8

