

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
 Data File : VV036302.D
 Acq On : 27 Jun 2024 10:34
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 28 00:44:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:39:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	365223	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	368429	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	194839	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	160135	25.817	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.280%
7) Chloroethane-d5	1.529	69	125344	25.300	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.050	65	71816	24.629	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.520%
21) 2-Butanone-d5	4.050	46	100	0.069	ug/L	0.21
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.140%#
24) Chloroform-d	4.243	84	264183	24.506	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.040%
26) 1,2-Dichloroethane-d4	4.937	65	141711	24.649	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	4.953	84	523422	25.167	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.680%
36) 1,2-Dichloropropane-d6	5.985	67	155133	24.798	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.200%
41) Toluene-d8	7.239	98	487322	25.988	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.960%
43) trans-1,3-Dichloroprop...	7.551	79	70168	25.118	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.480%
47) 2-Hexanone-d5	8.030	63	50517	50.589	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.180%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	118603	23.129	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.520%
66) 1,2-Dichlorobenzene-d4	11.557	152	166760	23.487	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.960%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	156527	22.557	ug/L	97
3) Chloromethane	1.211	50	150507	23.961	ug/L	98
5) Vinyl chloride	1.278	62	168073	23.172	ug/L	99
6) Bromomethane	1.484	94	114997	23.573	ug/L	99
8) Chloroethane	1.545	64	102623	22.957	ug/L	99
9) Trichlorofluoromethane	1.709	101	231039	22.304	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	145956	22.463	ug/L	99
12) 1,1-Dichloroethene	2.063	96	131883	22.925	ug/L	96
13) Acetone	2.384	43	52975	27.238	ug/L	100
14) Carbon disulfide	2.233	76	419052	23.088	ug/L	99
15) Methyl Acetate	2.384	43	54106	21.619	ug/L	99
16) Methylene chloride	2.442	84	171571	23.862	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	129369	22.649	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	299938	22.558	ug/L	99
19) 1,1-Dichloroethane	3.104	63	233113	22.954	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	131738	22.932	ug/L	99
22) 2-Butanone	3.911	43	73319	44.709	ug/L	89
23) Bromochloromethane	4.143	128	67174	22.425	ug/L	97
25) Chloroform	4.272	83	246458	22.753	ug/L	99

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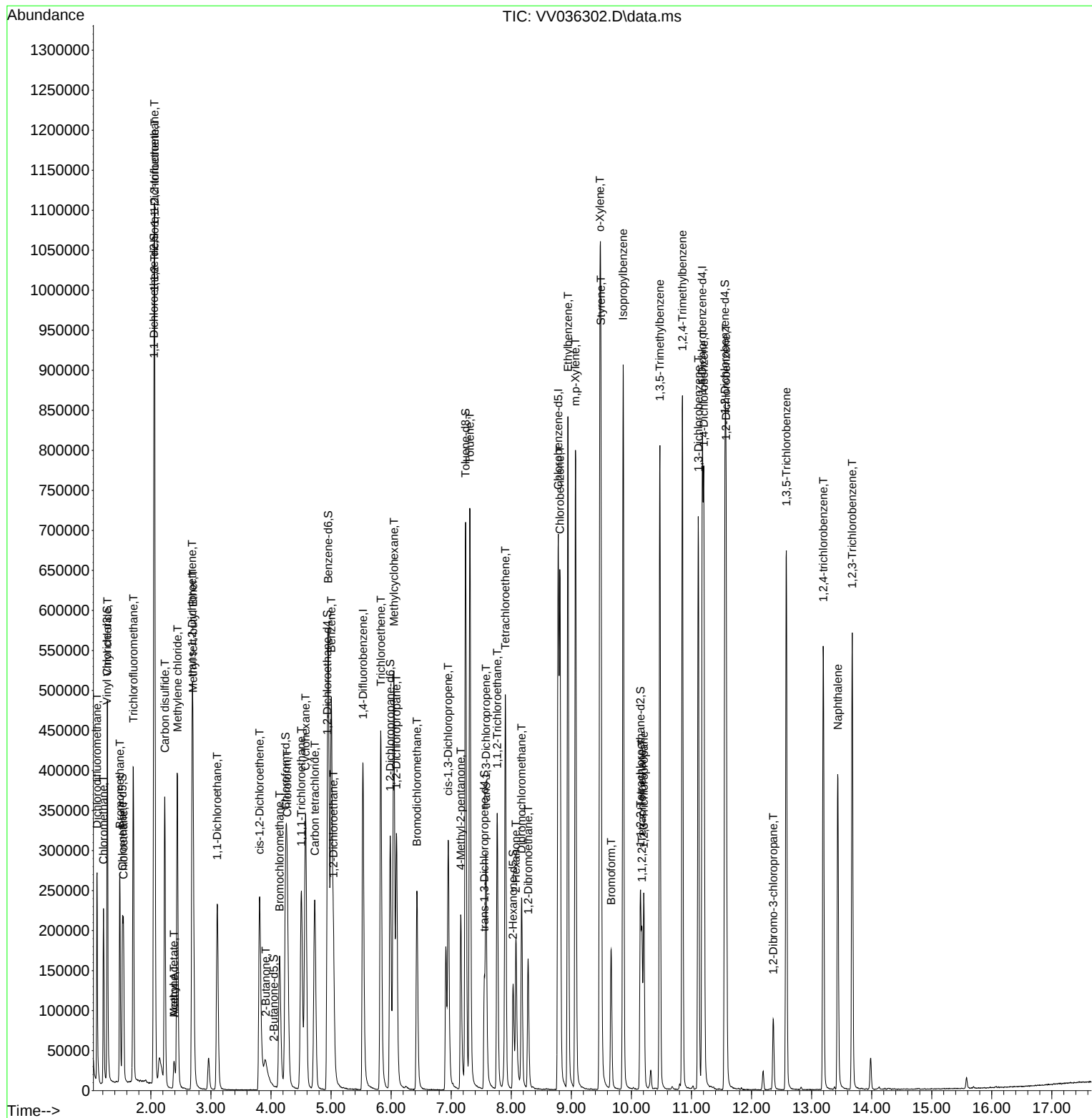
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	161338	23.003	ug/L	98
29) Cyclohexane	4.577	56	180941	23.052	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	208999	22.878	ug/L	99
31) Carbon tetrachloride	4.728	117	186621	22.928	ug/L	98
33) Benzene	5.005	78	512050	23.465	ug/L	100
34) Trichloroethene	5.828	95	158490	23.016	ug/L	99
35) Methylcyclohexane	6.046	83	224935	23.439	ug/L	99
37) 1,2-Dichloropropane	6.088	63	127649	22.904	ug/L	99
38) Bromodichloromethane	6.429	83	174488	22.891	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	189329	22.092	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	147069	46.791	ug/L	98
42) Toluene	7.310	91	550119	24.110	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	183514	23.808	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	109015	22.130	ug/L	98
46) Tetrachloroethene	7.902	164	114718	22.923	ug/L	98
48) 2-Hexanone	8.079	43	120988	48.938	ug/L	99
49) Dibromochloromethane	8.172	129	122417	22.293	ug/L	98
50) 1,2-Dibromoethane	8.281	107	110658	22.803	ug/L	100
51) Chlorobenzene	8.812	112	354444	22.725	ug/L	99
52) Ethylbenzene	8.943	91	586536	23.820	ug/L	98
53) m,p-Xylene	9.069	106	225032	24.521	ug/L	98
54) o-Xylene	9.477	106	208412	24.150	ug/L	99
55) Styrene	9.493	104	379349	25.081	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	93881	21.294	ug/L	100
59) Bromoform	9.664	173	81381	22.065	ug/L	99
60) Isopropylbenzene	9.863	105	571309	24.257	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	97891	22.263	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	410775	24.371	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	453262	24.746	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	287138	23.397	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	294398	22.379	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	266439	22.741	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	22898	23.212	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	209669	22.689	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	173922	23.601	ug/L	99
71) Naphthalene	13.435	128	314769	23.956	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	167559	24.180	ug/L	99

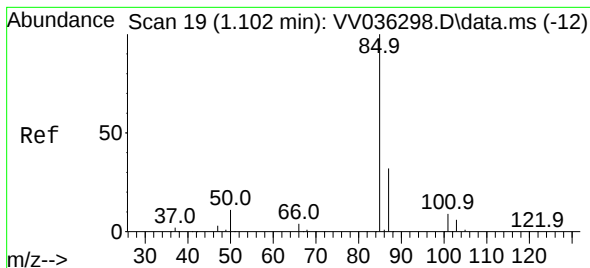
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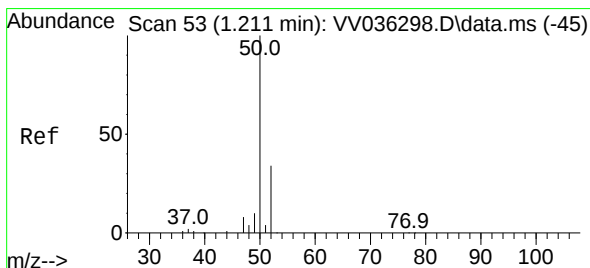
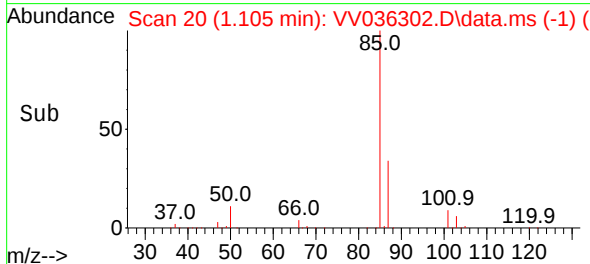
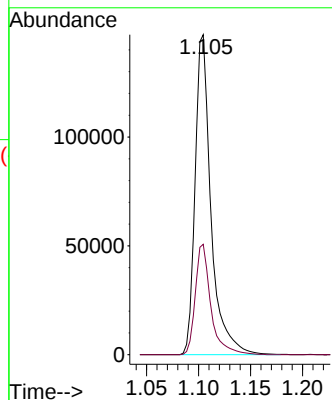
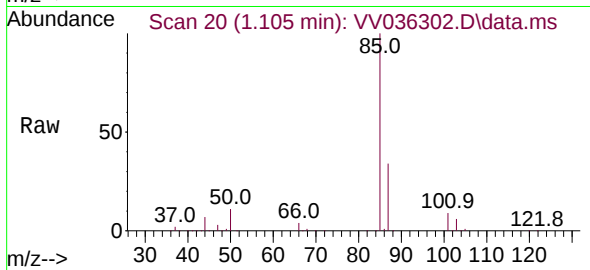




#2
 Dichlorodifluoromethane
 Concen: 22.557 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VV036302.D
 Acq: 27 Jun 2024 10:34

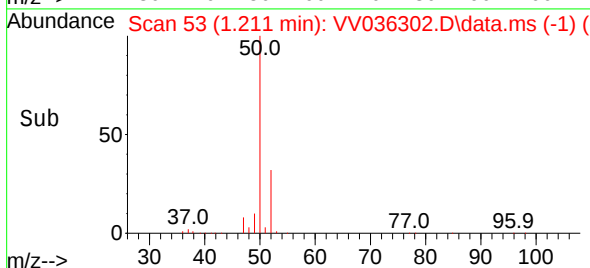
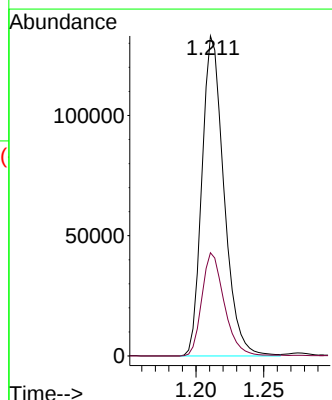
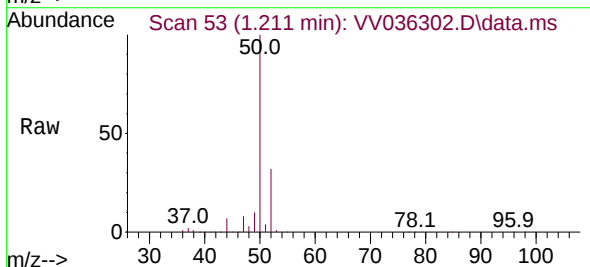
Instrument :
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 ClientSampleId :

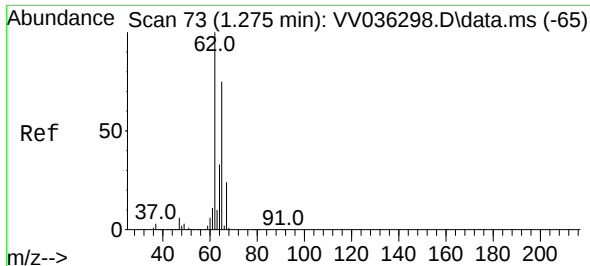
Tgt Ion: 85 Resp: 156527
 Ion Ratio Lower Upper
 85 100
 87 33.8 25.9 38.9



#3
 Chloromethane
 Concen: 23.961 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036302.D
 Acq: 27 Jun 2024 10:34

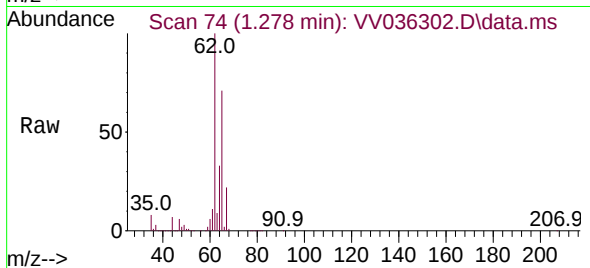
Tgt Ion: 50 Resp: 150507
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.5 43.7



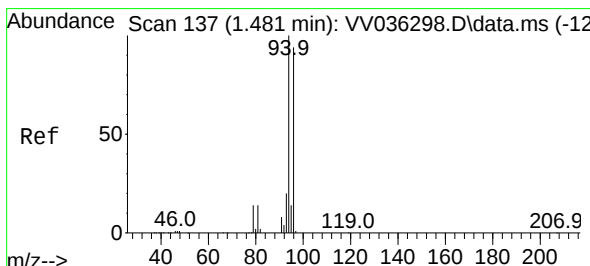
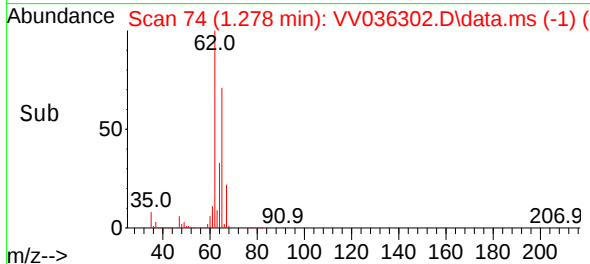
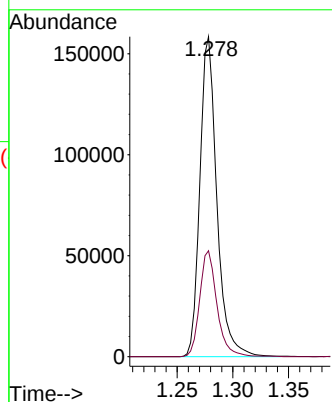


#5
 Vinyl chloride
 Concen: 23.172 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.003 min
 Lab File: VV036302.D
 Acq: 27 Jun 2024 10:34

Instrument :
 MSVOA_V
 ClientSampleId :

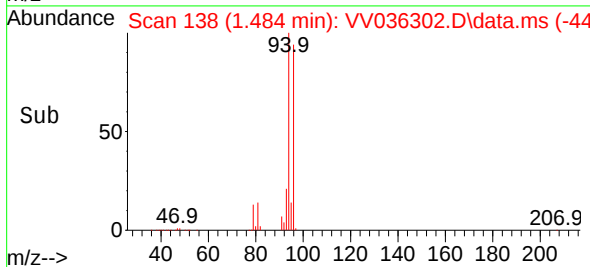
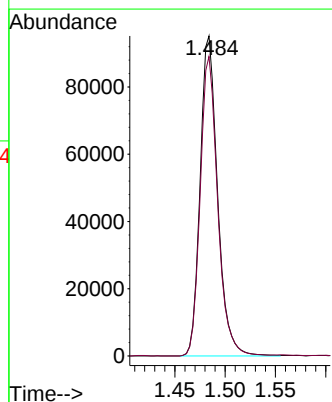
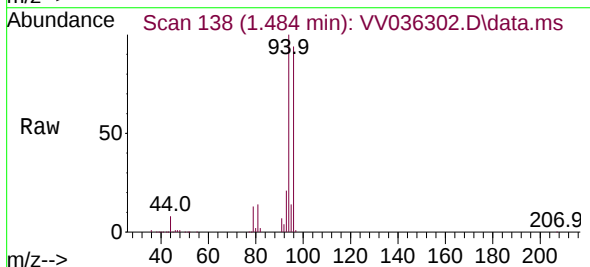


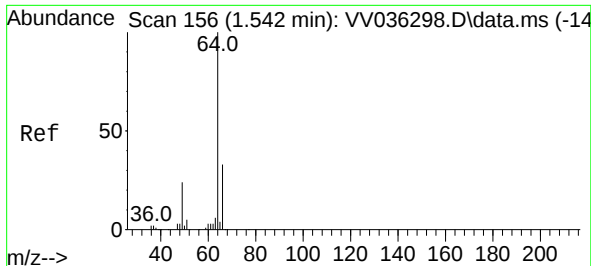
Tgt Ion: 62 Resp: 168073
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.4 43.4



#6
 Bromomethane
 Concen: 23.573 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV036302.D
 Acq: 27 Jun 2024 10:34

Tgt Ion: 94 Resp: 114997
 Ion Ratio Lower Upper
 94 100
 96 93.6 66.1 122.7

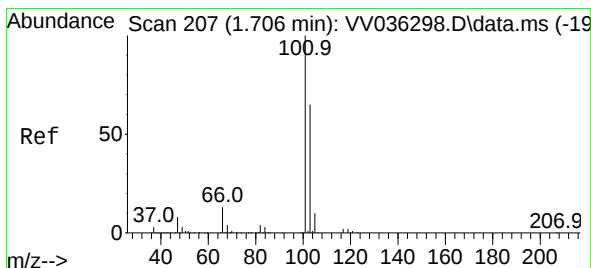
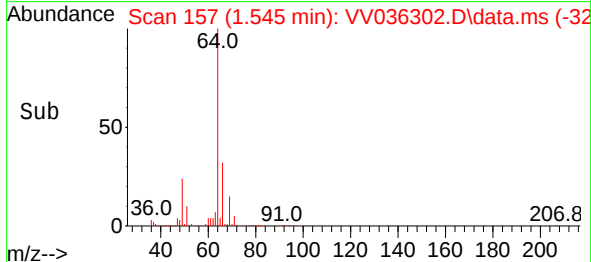
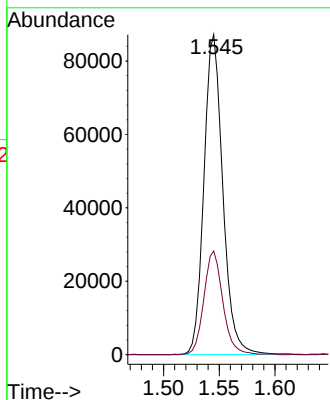
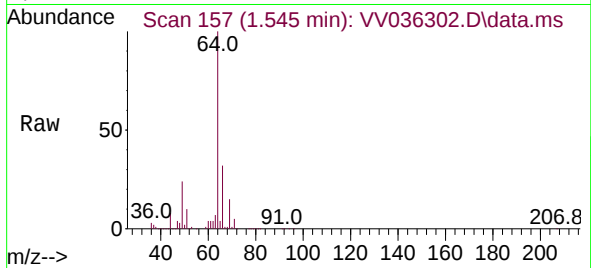




#8
Chloroethane
Concen: 22.957 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

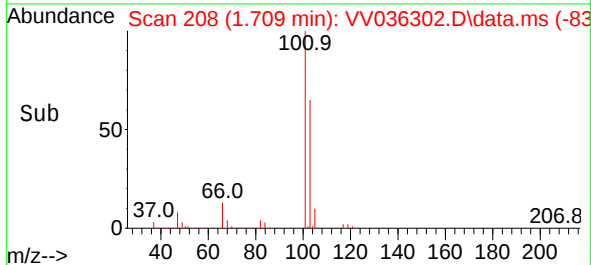
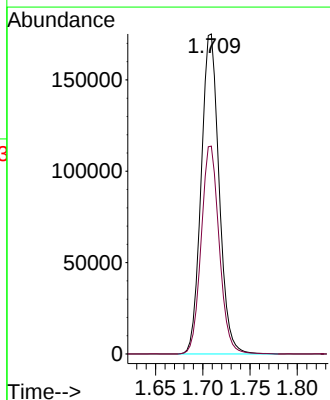
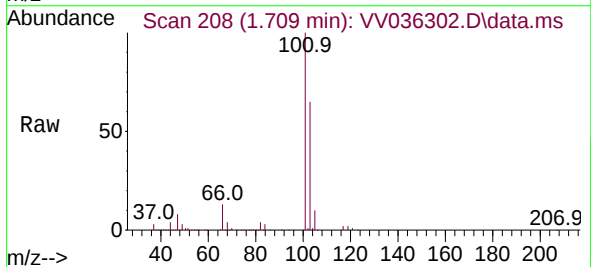
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MSVOA_V
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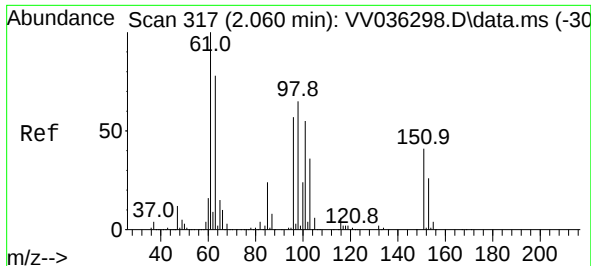
Tgt Ion: 64 Resp: 102623
Ion Ratio Lower Upper
64 100
66 32.4 23.0 42.6



#9
Trichlorofluoromethane
Concen: 22.304 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

Tgt Ion:101 Resp: 231039
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5





#10

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

Concen: 22.463 ug/L

RT: 2.059 min Scan# 317

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :

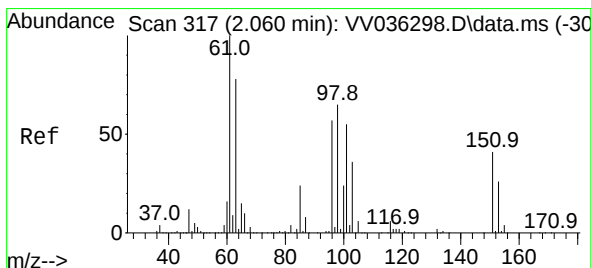
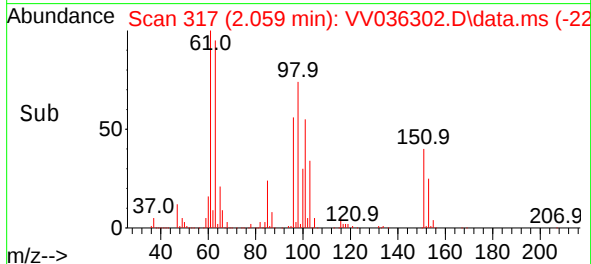
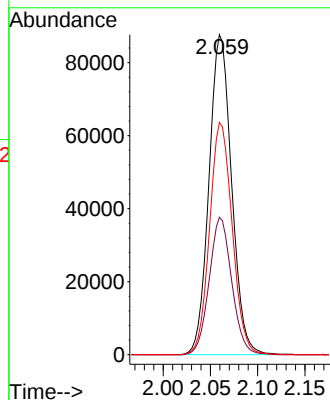
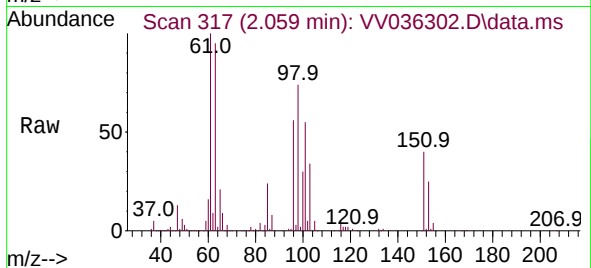
Tgt Ion:101 Resp: 145956

Ion Ratio Lower Upper

101 100

85 42.7 34.6 51.8

151 72.6 58.9 88.3



#12

1,1-Dichloroethene

Concen: 22.925 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

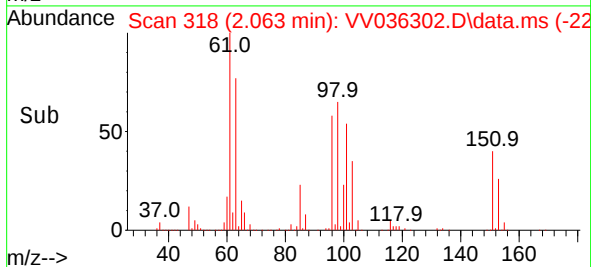
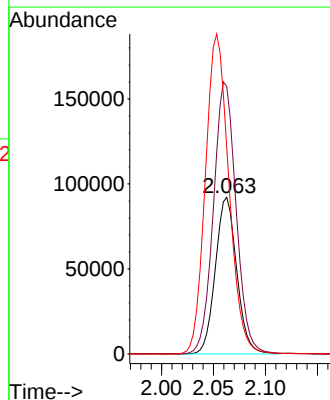
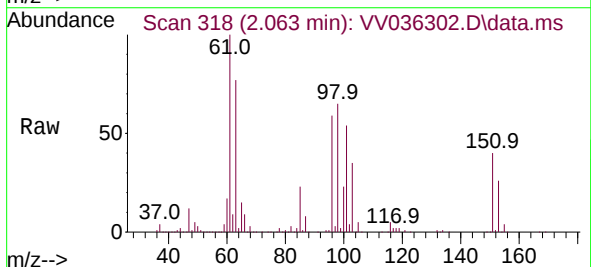
Tgt Ion: 96 Resp: 131883

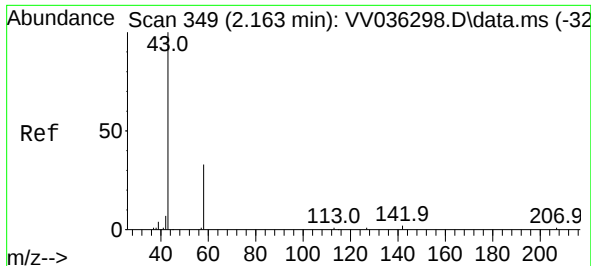
Ion Ratio Lower Upper

96 100

61 170.7 122.6 227.8

63 131.6 96.1 178.5





#13

Acetone

Concen: 27.238 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.222 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

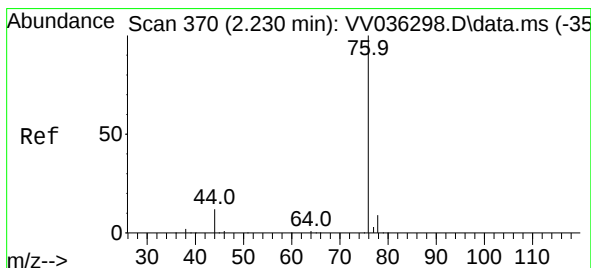
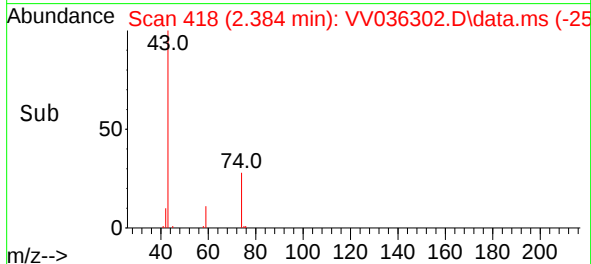
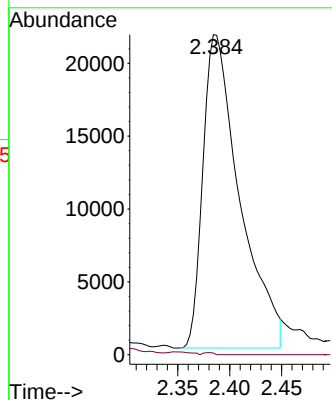
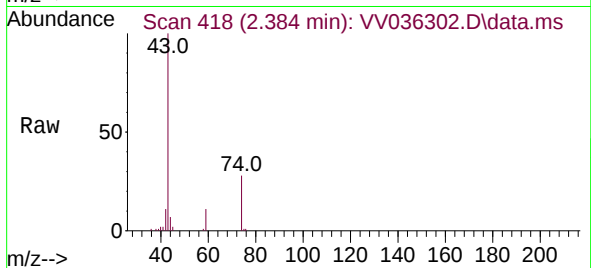
ClientSampleId :

Tgt Ion: 43 Resp: 52975

Ion Ratio Lower Upper

43 100

58 0.2 0.0 0.6



#14

Carbon disulfide

Concen: 23.088 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV036302.D

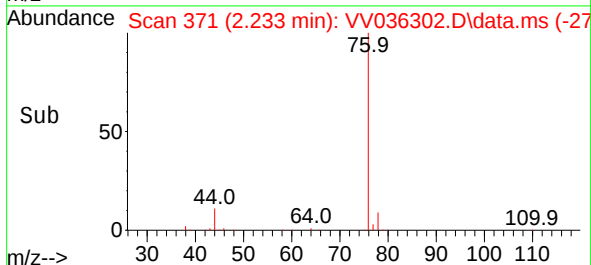
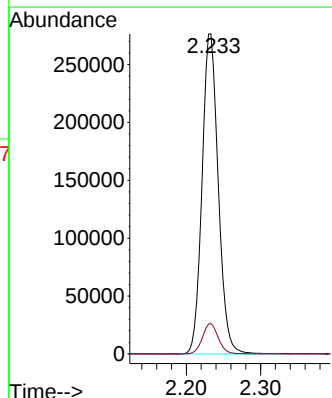
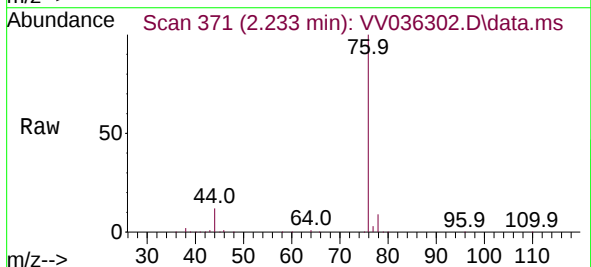
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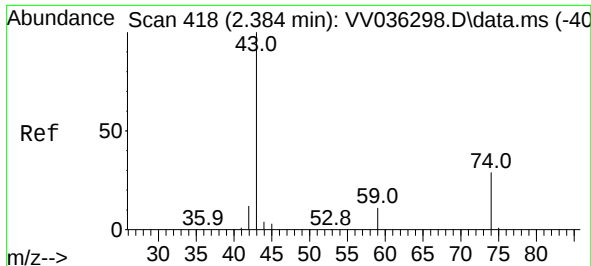
Tgt Ion: 76 Resp: 419052

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2





#15

Methyl Acetate

Concen: 21.619 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

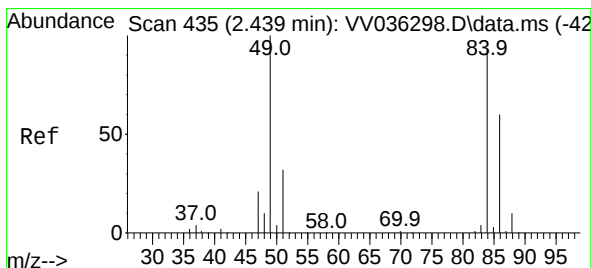
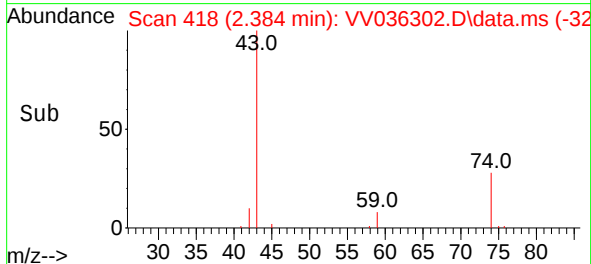
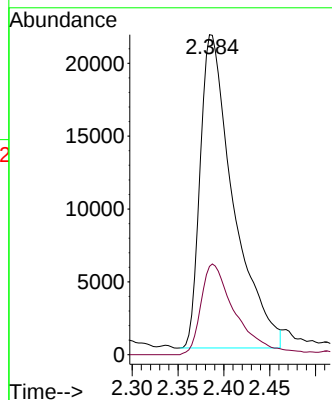
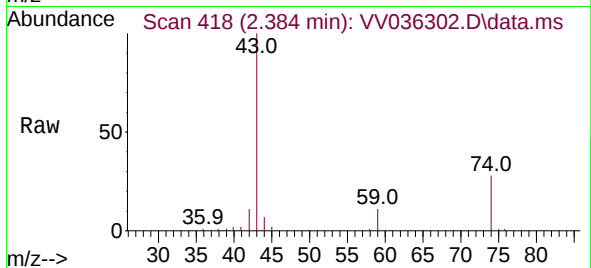
ClientSampleId :

Tgt Ion: 43 Resp: 54106

Ion Ratio Lower Upper

43 100

74 30.3 23.8 35.6



#16

Methylene chloride

Concen: 23.862 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

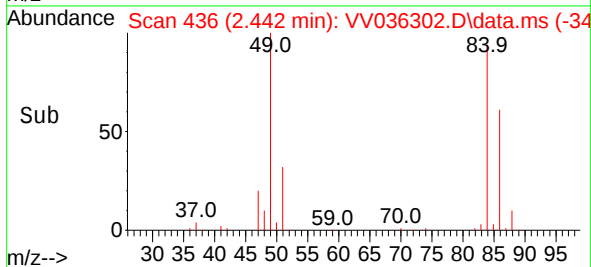
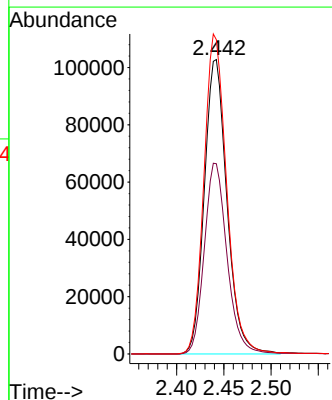
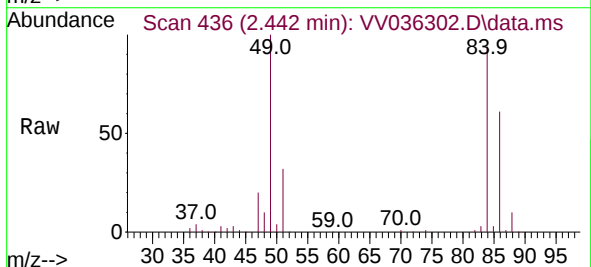
Tgt Ion: 84 Resp: 171571

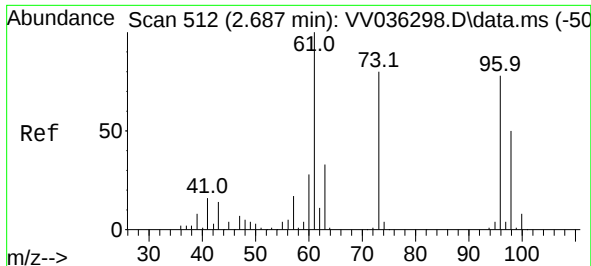
Ion Ratio Lower Upper

84 100

86 64.6 45.6 84.8

49 106.7 75.7 140.5





#17

trans-1,2-Dichloroethene

Concen: 22.649 ug/L

RT: 2.686 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :

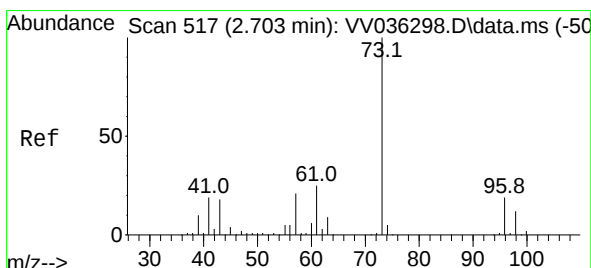
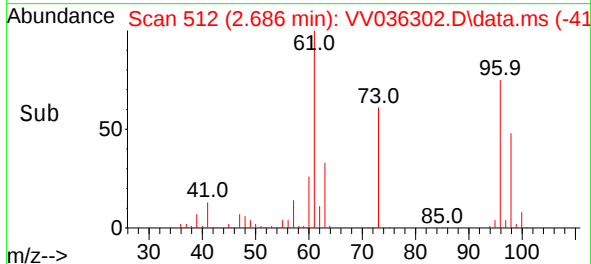
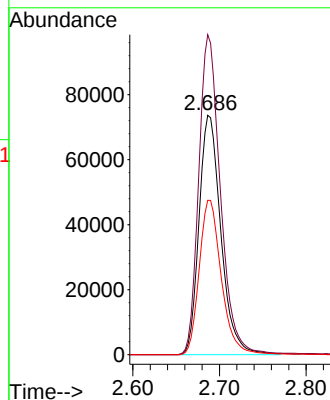
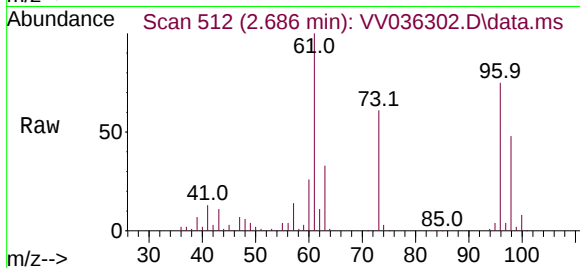
Tgt Ion: 96 Resp: 129369

Ion Ratio Lower Upper

96 100

61 133.7 89.8 166.8

98 64.5 45.3 84.1



#18

Methyl tert-butyl Ether

Concen: 22.558 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

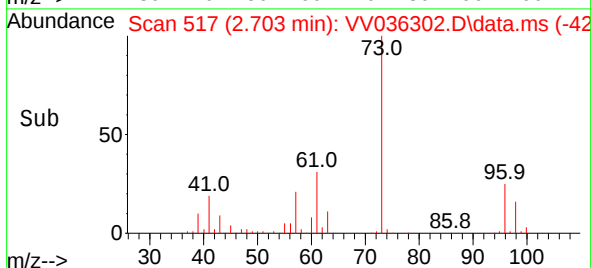
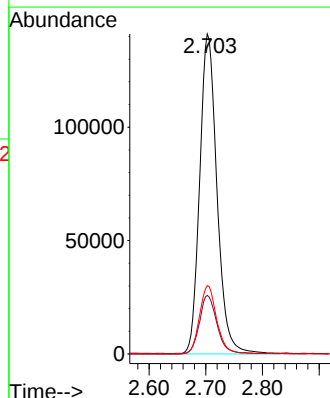
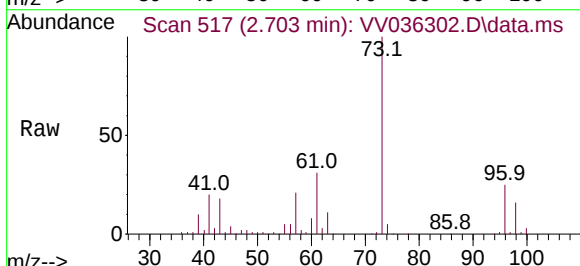
Tgt Ion: 73 Resp: 299938

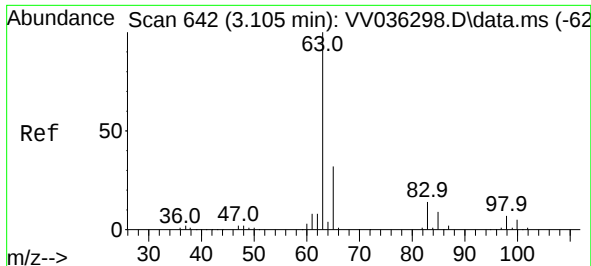
Ion Ratio Lower Upper

73 100

43 17.8 14.7 22.1

57 21.3 17.0 25.6

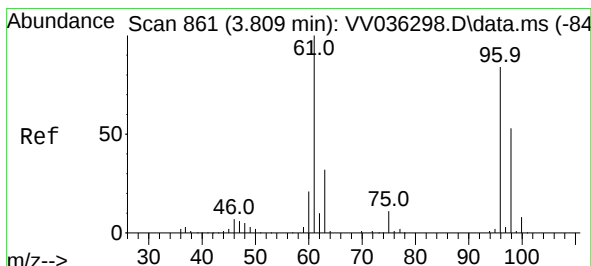
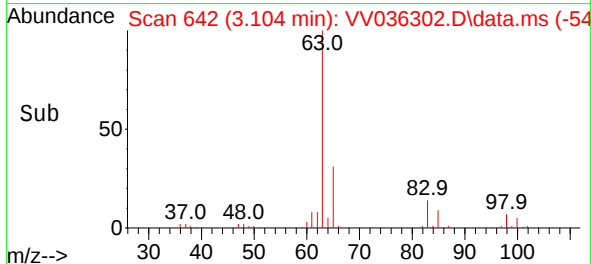
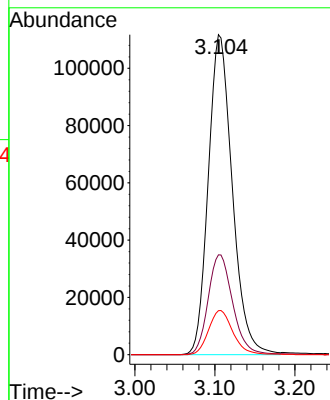
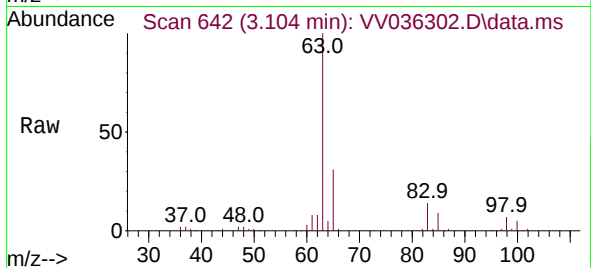




#19
1,1-Dichloroethane
Concen: 22.954 ug/L
RT: 3.104 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

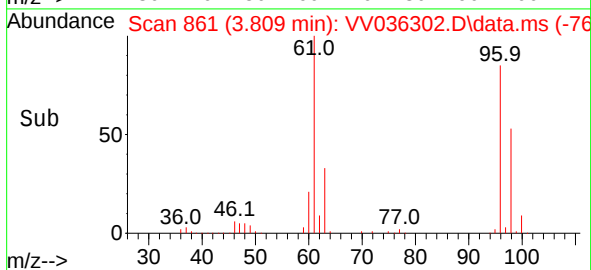
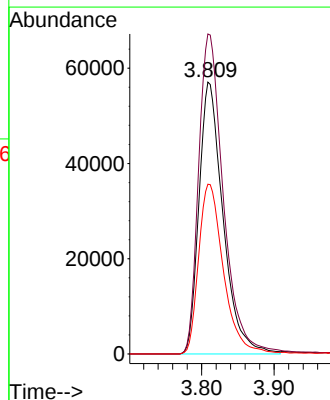
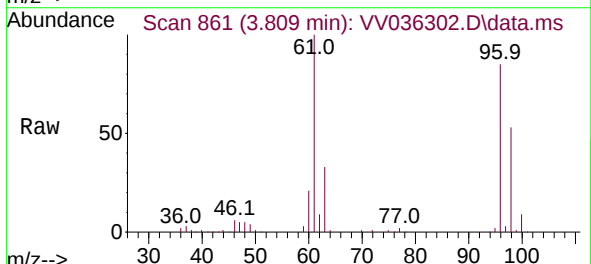
Instrument :
MSVOA_V
ClientSampleId :

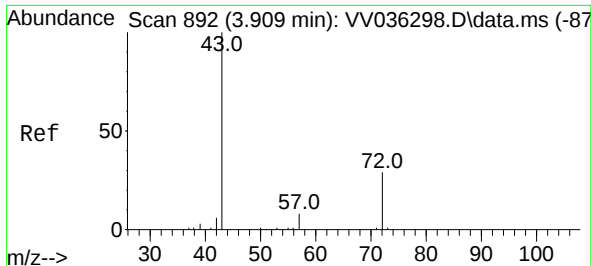
Tgt Ion: 63 Resp: 233113
Ion Ratio Lower Upper
63 100
65 31.2 22.1 41.1
83 13.8 9.7 17.9



#20
cis-1,2-Dichloroethene
Concen: 22.932 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

Tgt Ion: 96 Resp: 131738
Ion Ratio Lower Upper
96 100
61 117.7 83.7 155.5
98 62.4 44.2 82.0

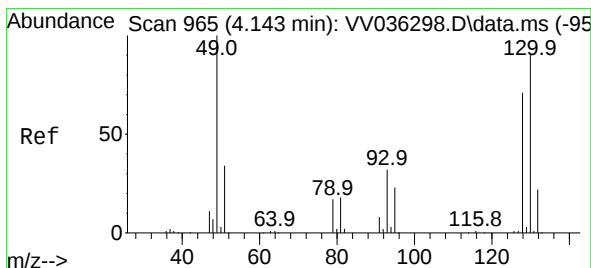
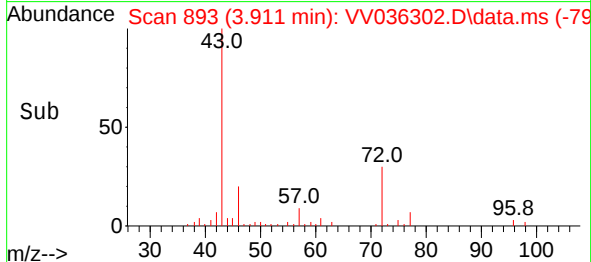
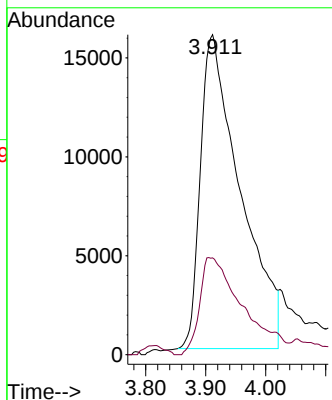
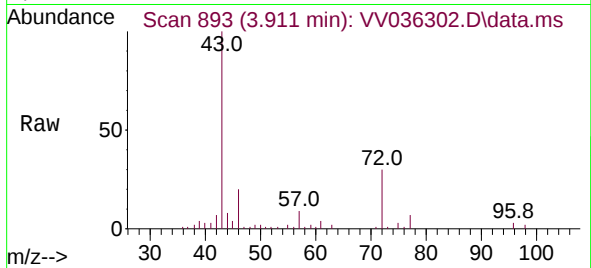




#22
2-Butanone
Concen: 44.709 ug/L
RT: 3.911 min Scan# 892
Delta R.T. 0.003 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

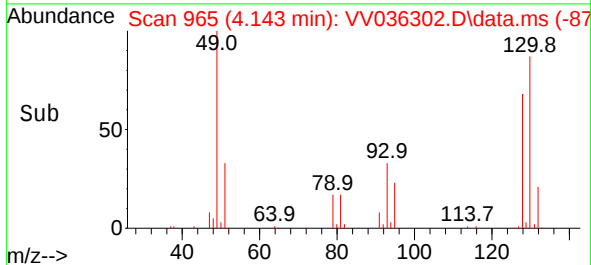
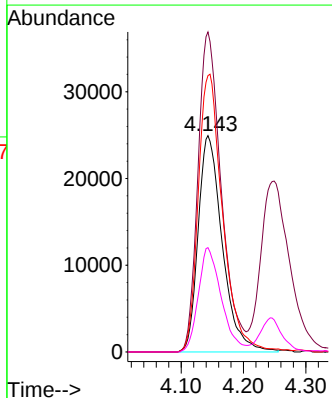
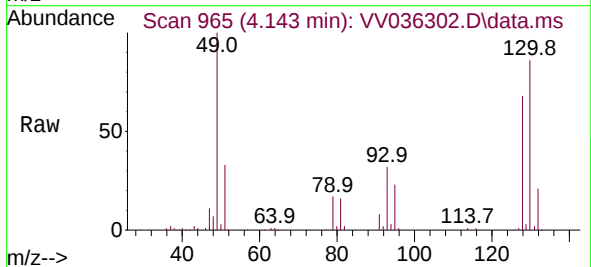
Instrument :
MSVOA_V
ClientSampleId :

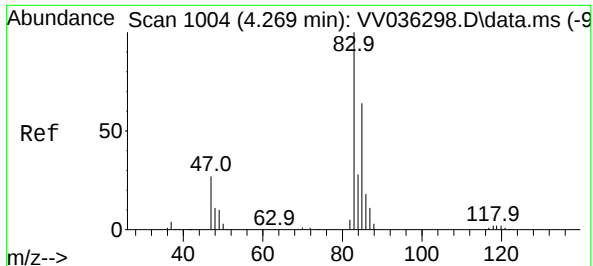
Tgt Ion: 43 Resp: 73319
Ion Ratio Lower Upper
43 100
72 31.5 12.9 38.7



#23
Bromochloromethane
Concen: 22.425 ug/L
RT: 4.143 min Scan# 965
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

Tgt Ion:128 Resp: 67174
Ion Ratio Lower Upper
128 100
49 147.9 99.2 184.2
130 127.7 88.9 165.1
51 48.2 38.8 58.2





#25

Chloroform

Concen: 22.753 ug/L

RT: 4.272 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

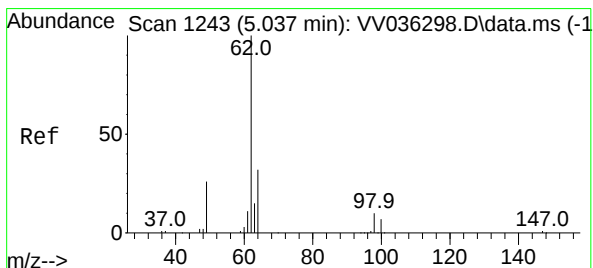
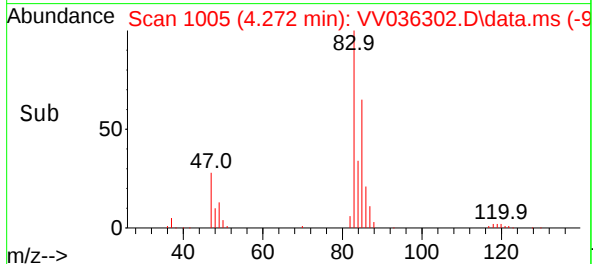
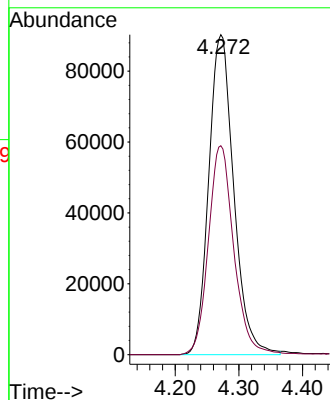
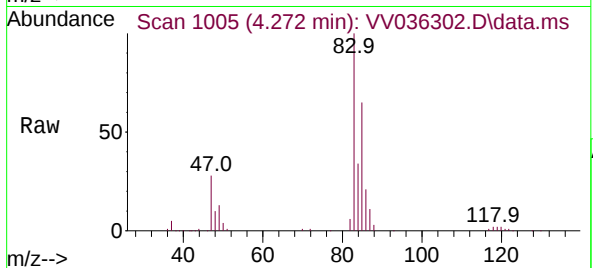
ClientSampleId :

Tgt Ion: 83 Resp: 246458

Ion Ratio Lower Upper

83 100

85 65.3 45.0 83.6



#27

1,2-Dichloroethane

Concen: 23.003 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV036302.D

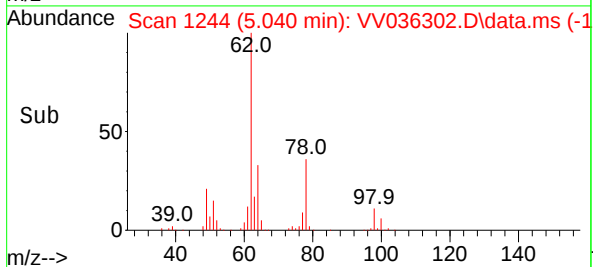
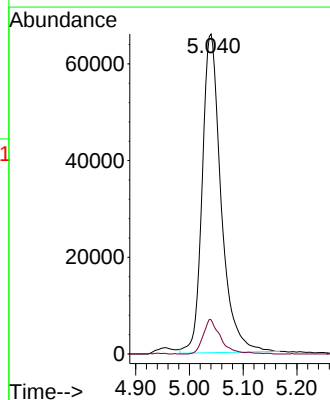
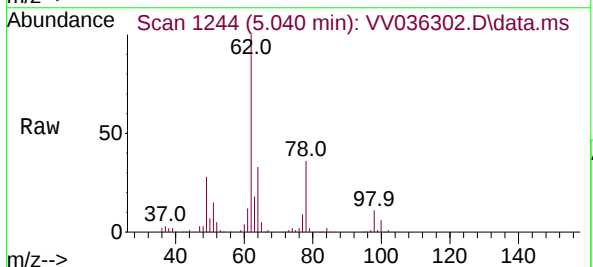
Acq: 27 Jun 2024 10:34

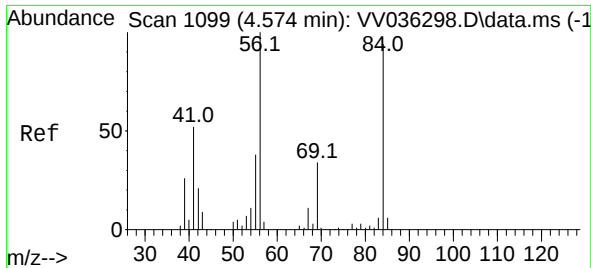
Tgt Ion: 62 Resp: 161338

Ion Ratio Lower Upper

62 100

98 10.7 7.8 11.8





#29

Cyclohexane

Concen: 23.052 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :

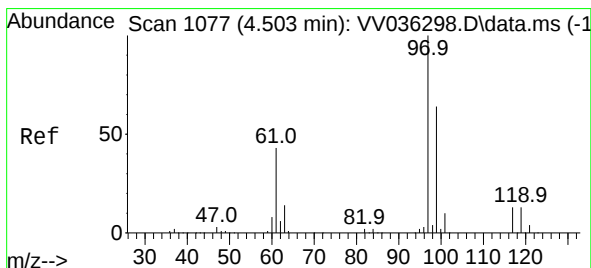
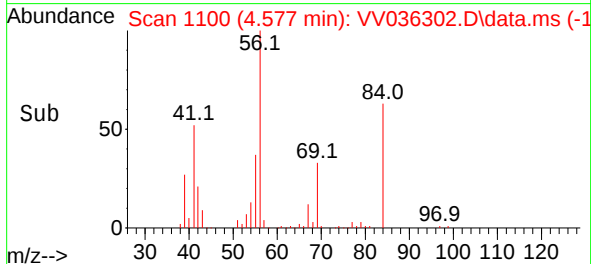
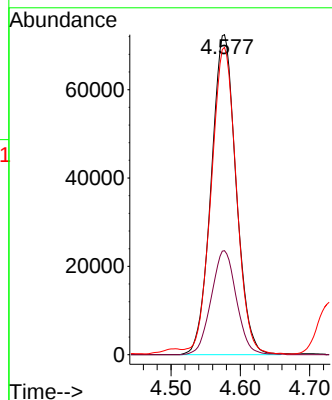
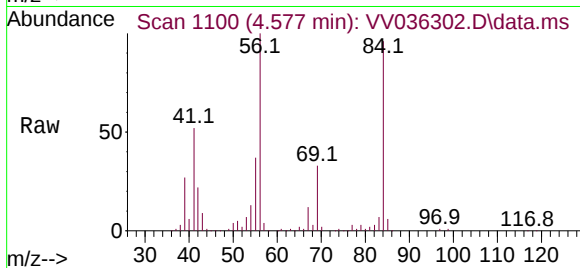
Tgt Ion: 56 Resp: 180941

Ion Ratio Lower Upper

56 100

69 32.8 26.0 39.0

84 96.7 77.4 116.0



#30

1,1,1-Trichloroethane

Concen: 22.878 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

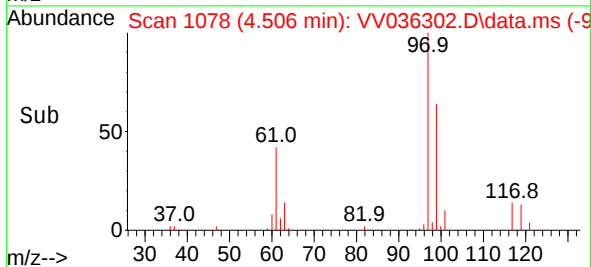
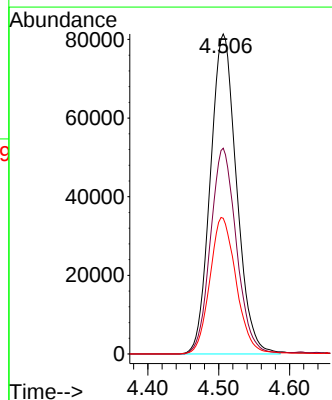
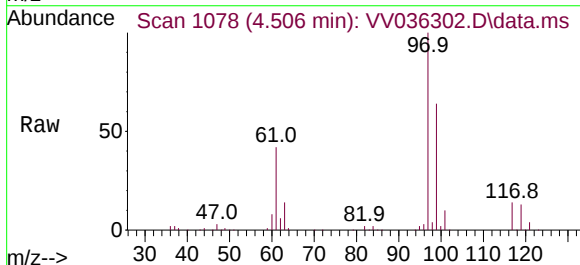
Tgt Ion: 97 Resp: 208999

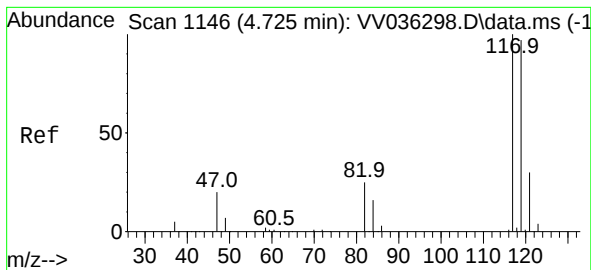
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 42.9 34.8 52.2





#31

Carbon tetrachloride

Concen: 22.928 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

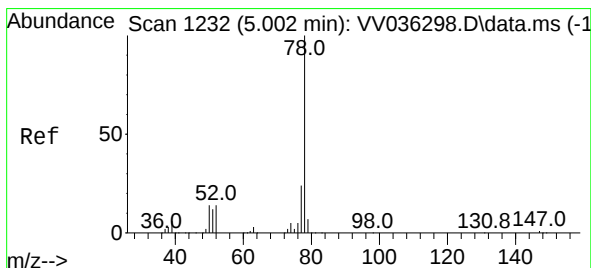
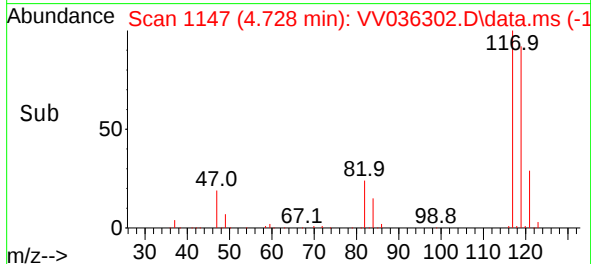
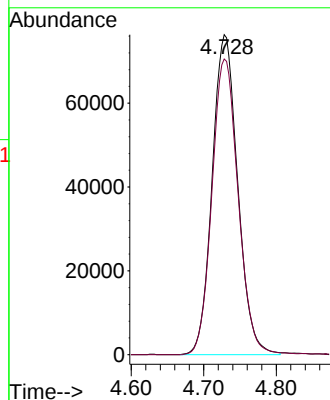
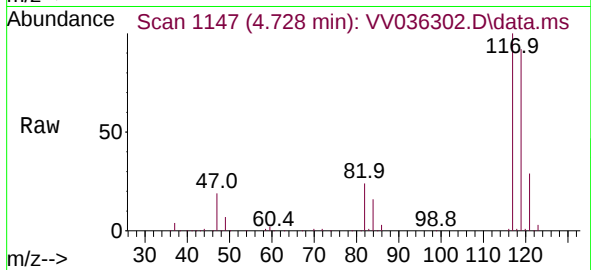
ClientSampleId :

Tgt Ion:117 Resp: 186621

Ion Ratio Lower Upper

117 100

119 95.0 77.2 115.8



#33

Benzene

Concen: 23.465 ug/L

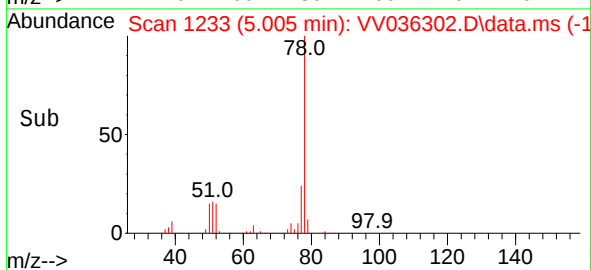
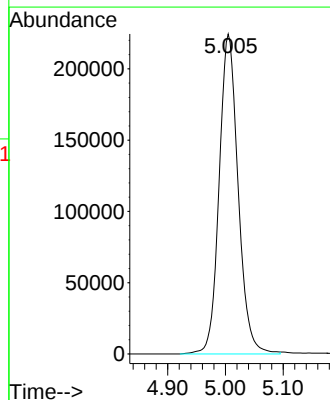
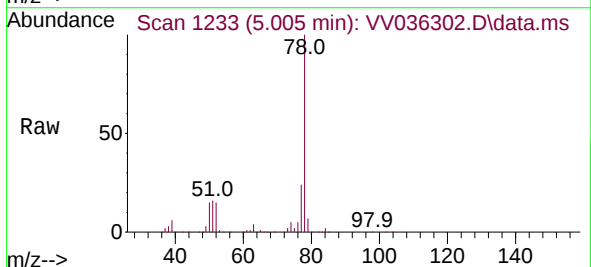
RT: 5.005 min Scan# 1233

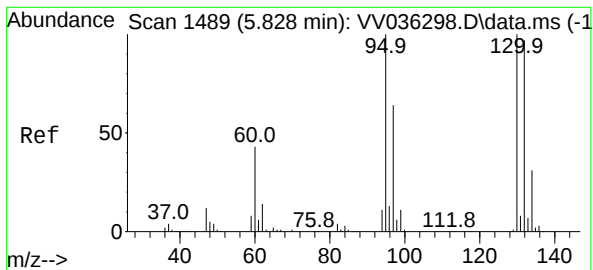
Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Tgt Ion: 78 Resp: 512050





#34

Trichloroethene

Concen: 23.016 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 158490

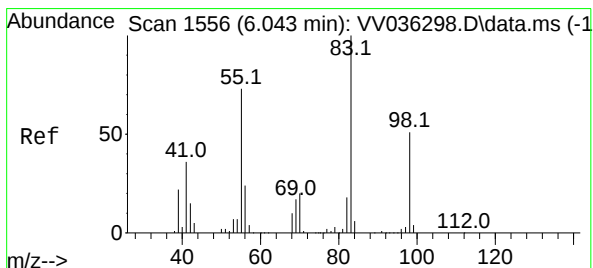
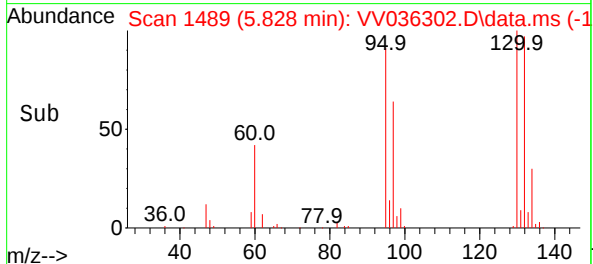
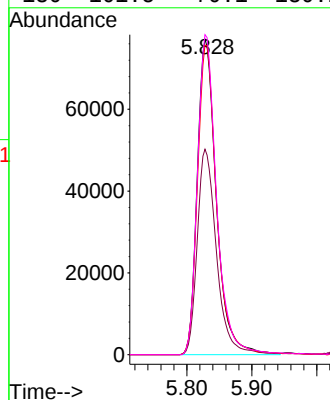
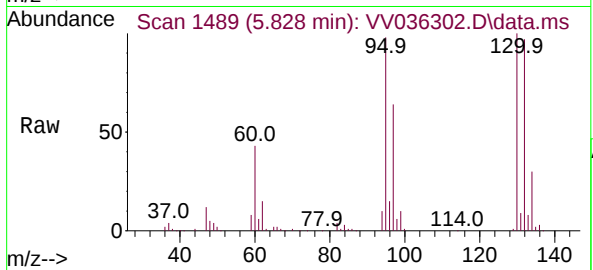
Ion Ratio Lower Upper

95 100

97 65.2 45.1 83.7

132 98.2 67.7 125.7

130 101.5 70.1 130.1



#35

Methylcyclohexane

Concen: 23.439 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

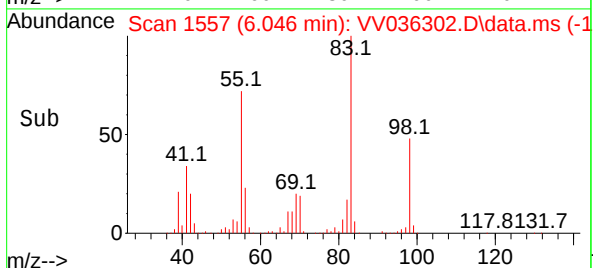
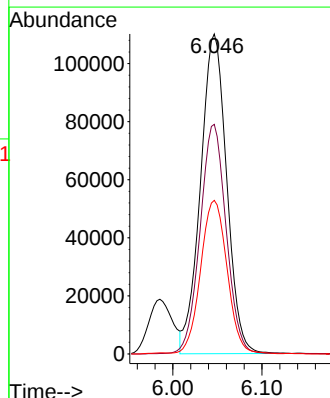
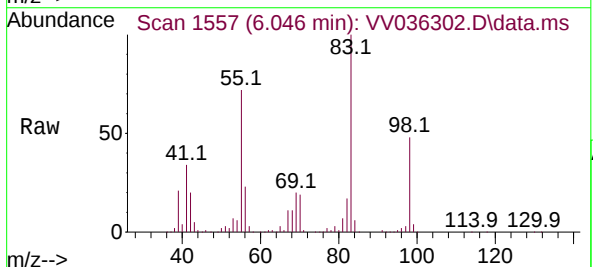
Tgt Ion: 83 Resp: 224935

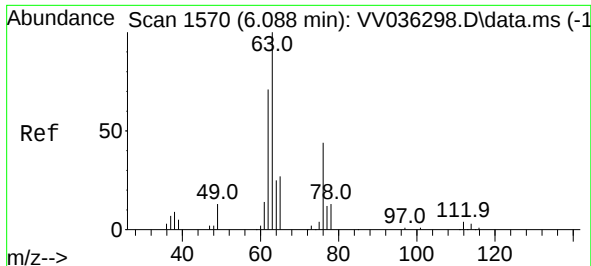
Ion Ratio Lower Upper

83 100

55 71.2 56.0 84.0

98 48.7 39.0 58.6

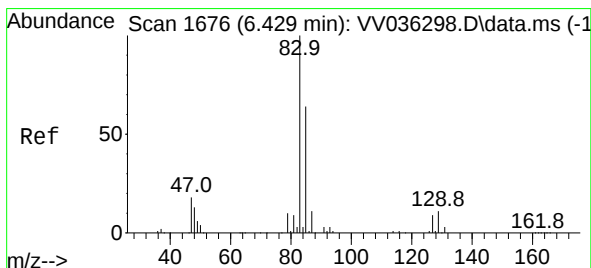
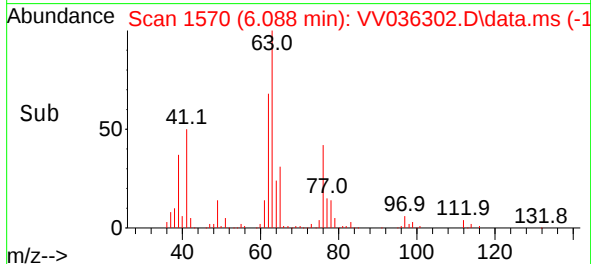
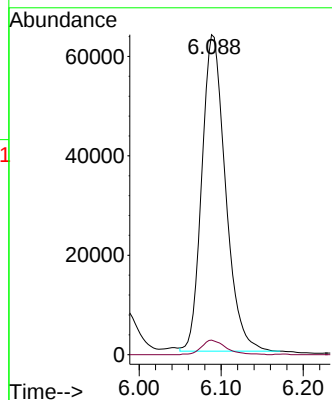
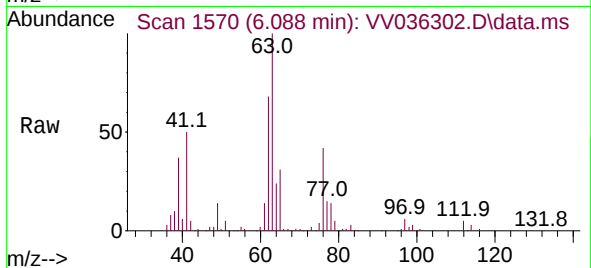




#37
1,2-Dichloropropane
Concen: 22.904 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

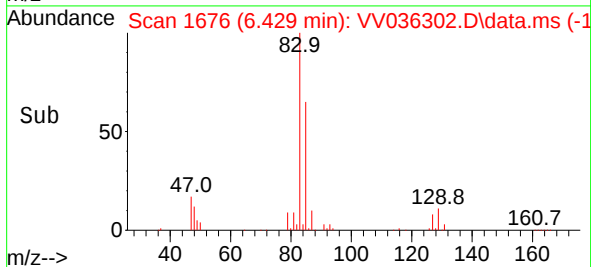
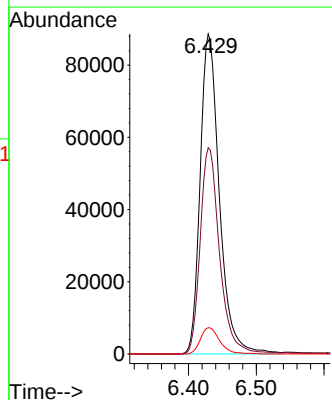
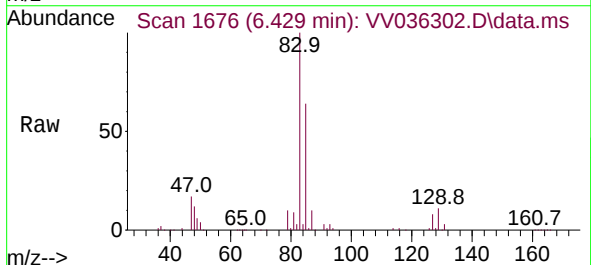
Instrument :
MSVOA_V
ClientSampleId :

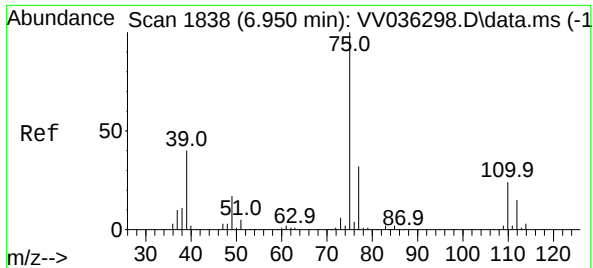
Tgt Ion: 63 Resp: 127649
Ion Ratio Lower Upper
63 100
112 4.8 3.4 5.2



#38
Bromodichloromethane
Concen: 22.891 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

Tgt Ion: 83 Resp: 174488
Ion Ratio Lower Upper
83 100
85 64.4 44.9 83.5
127 8.2 7.0 10.6

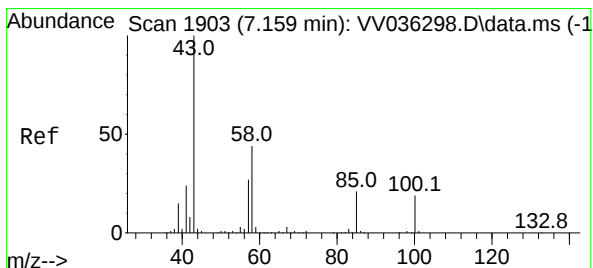
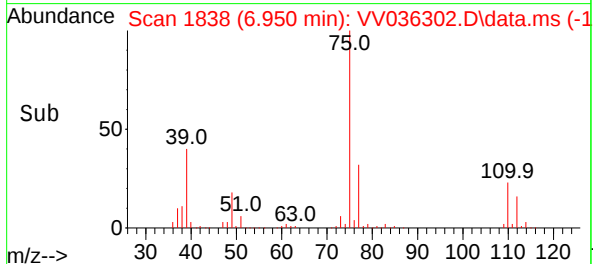
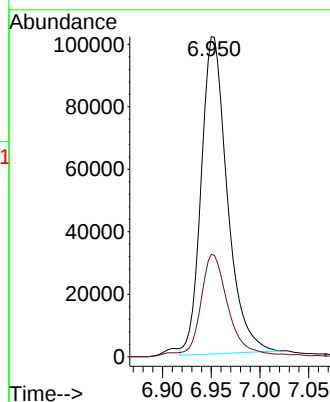
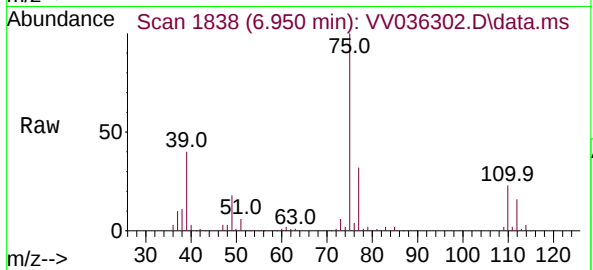




#39
 cis-1,3-Dichloropropene
 Concen: 22.092 ug/L
 RT: 6.950 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VV036302.D
 Acq: 27 Jun 2024 10:34

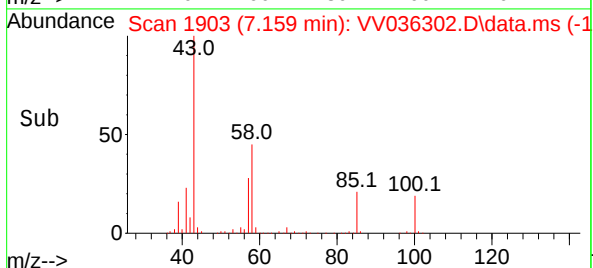
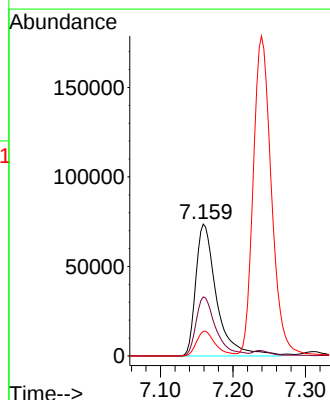
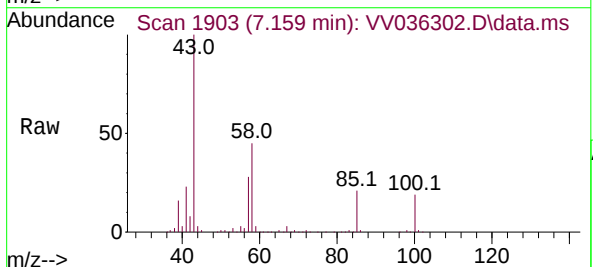
Instrument :
 MSVOA_V
 ClientSampleId :

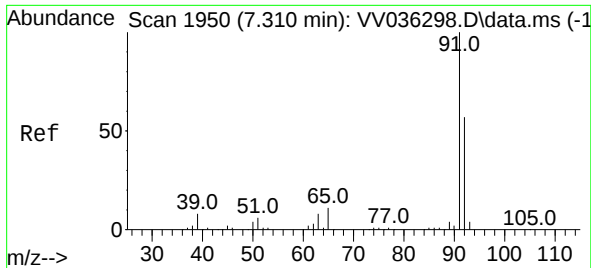
Tgt Ion: 75 Resp: 189329
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 46.791 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV036302.D
 Acq: 27 Jun 2024 10:34

Tgt Ion: 43 Resp: 147069
 Ion Ratio Lower Upper
 43 100
 58 42.8 34.8 52.2
 100 17.1 14.6 21.8





#42

Toluene

Concen: 24.110 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

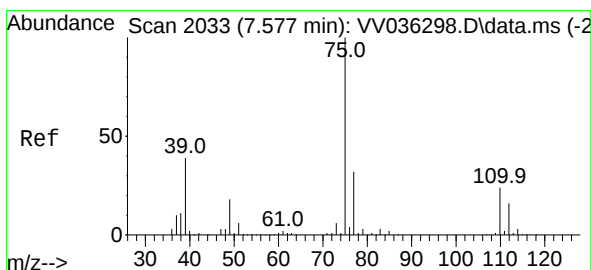
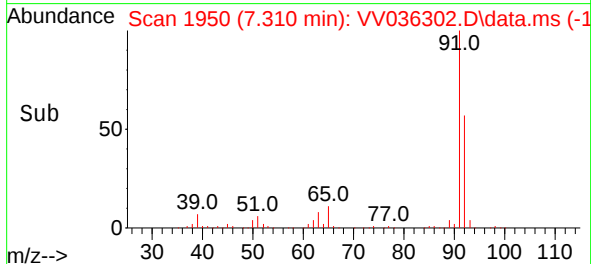
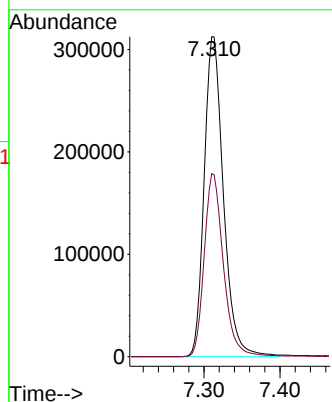
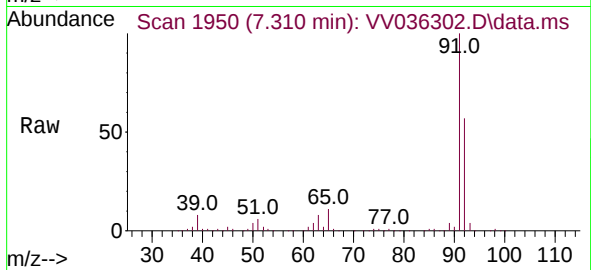
ClientSampleId :

Tgt Ion: 91 Resp: 550119

Ion Ratio Lower Upper

91 100

92 57.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 23.808 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036302.D

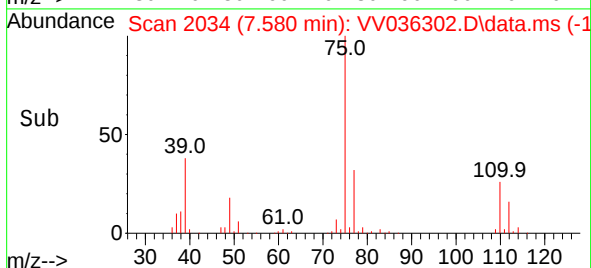
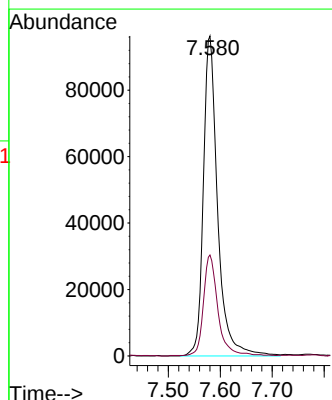
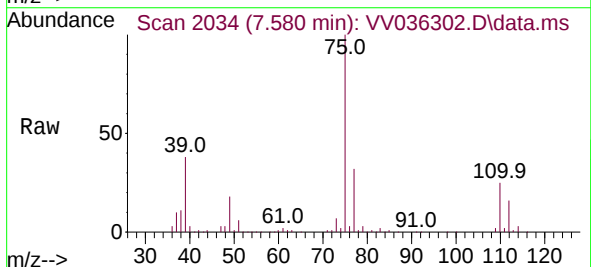
Acq: 27 Jun 2024 10:34

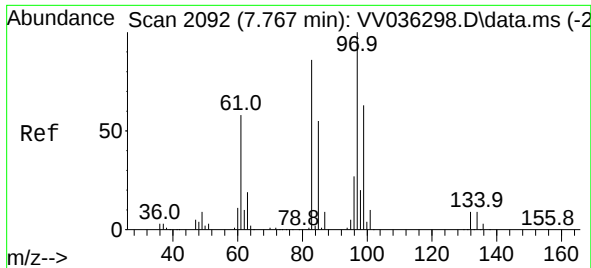
Tgt Ion: 75 Resp: 183514

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 22.130 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 109015

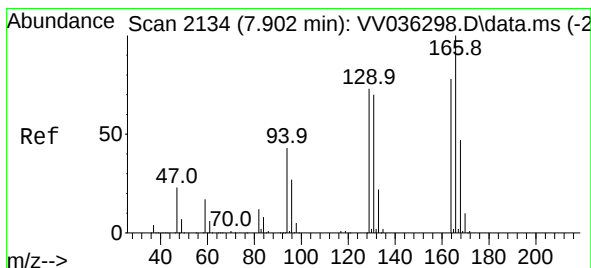
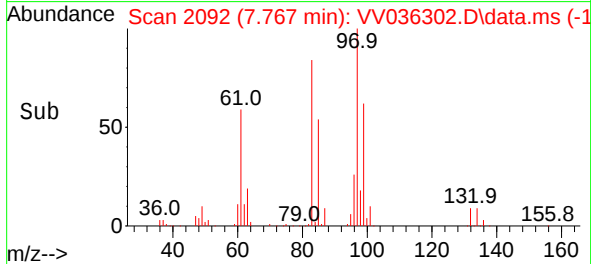
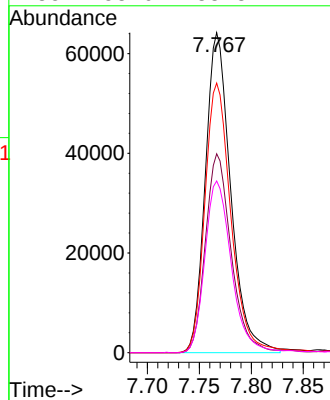
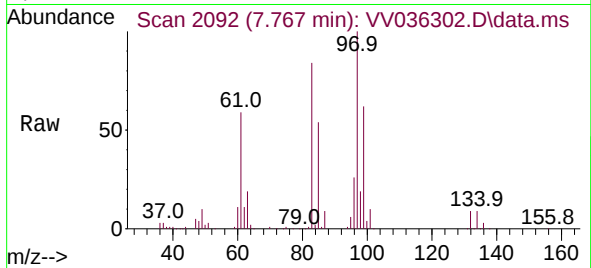
Ion Ratio Lower Upper

97 100

99 62.2 43.8 81.3

83 84.3 60.6 112.6

85 53.6 38.8 72.0



#46

Tetrachloroethene

Concen: 22.923 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Tgt Ion:164 Resp: 114718

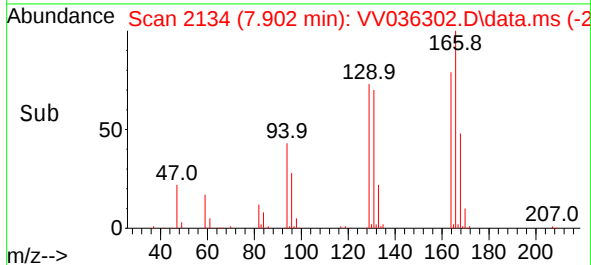
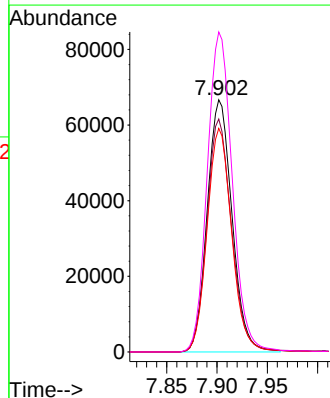
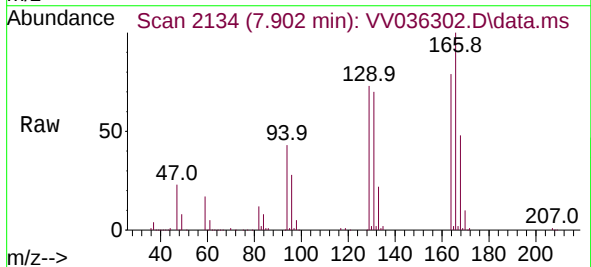
Ion Ratio Lower Upper

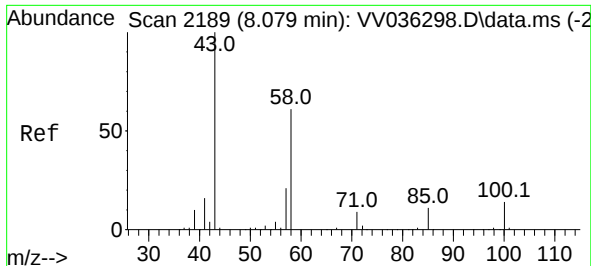
164 100

129 92.4 65.9 122.5

131 88.6 63.3 117.7

166 126.9 90.3 167.7





#48

2-Hexanone

Concen: 48.938 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 120988

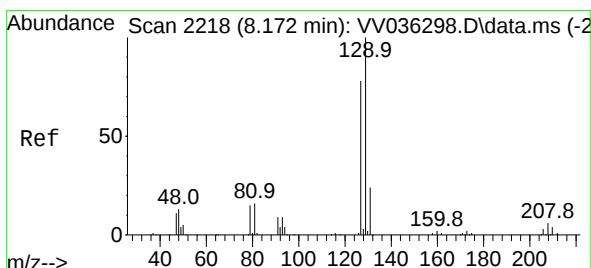
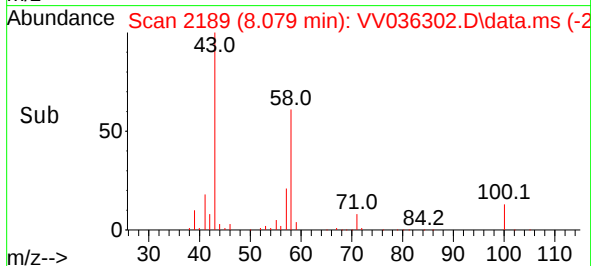
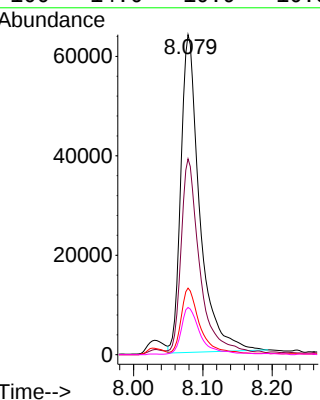
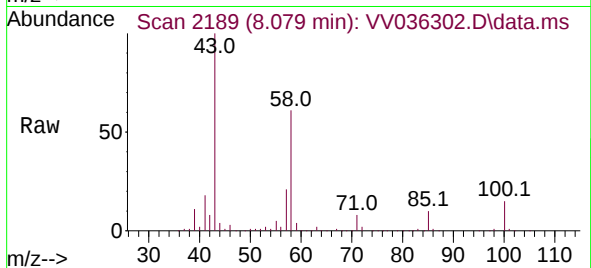
Ion Ratio Lower Upper

43 100

58 60.7 48.5 72.7

57 20.5 15.8 23.6

100 14.6 10.9 16.3



#49

Dibromochloromethane

Concen: 22.293 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV036302.D

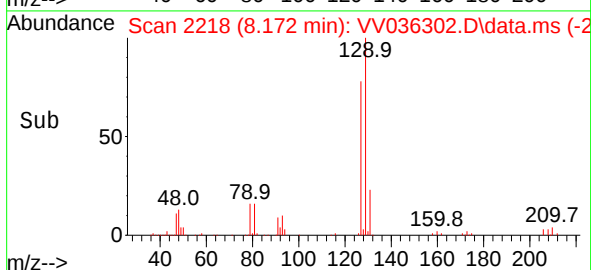
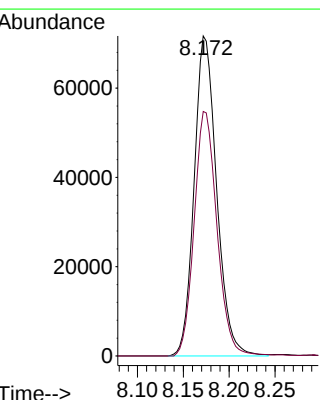
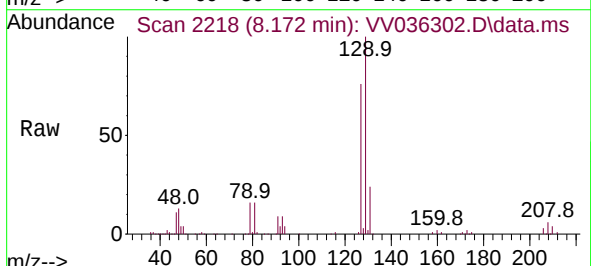
Acq: 27 Jun 2024 10:34

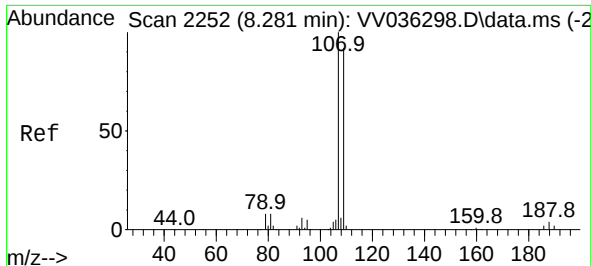
Tgt Ion:129 Resp: 122417

Ion Ratio Lower Upper

129 100

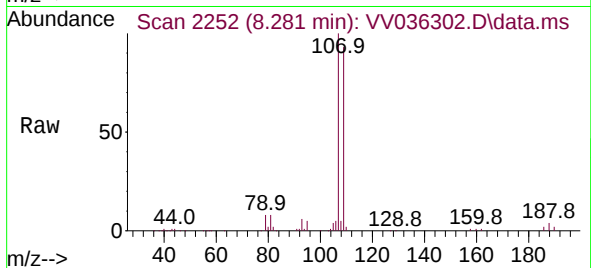
127 76.4 54.9 101.9



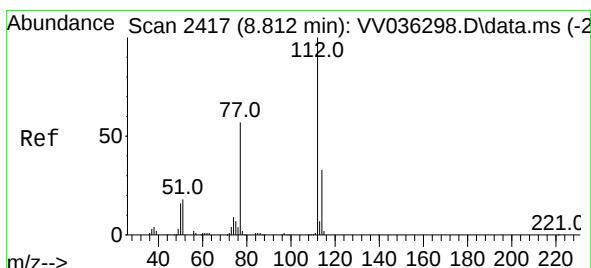
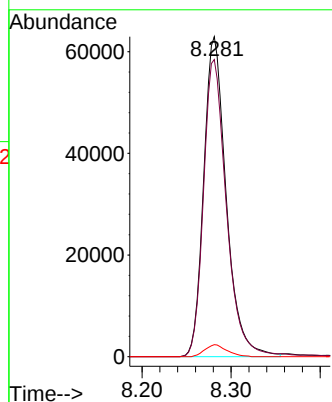
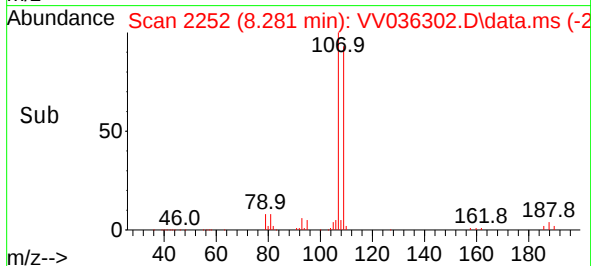


#50
1,2-Dibromoethane
Concen: 22.803 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

Instrument :
MSVOA_V
ClientSampleId :

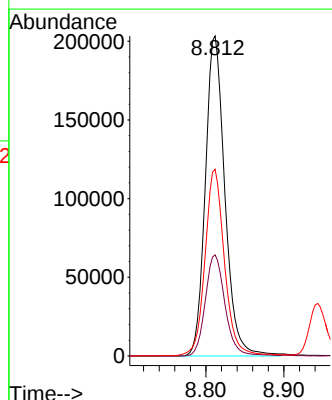
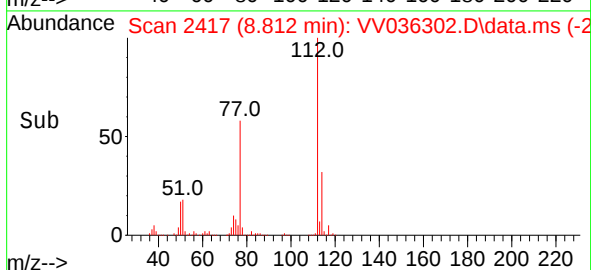
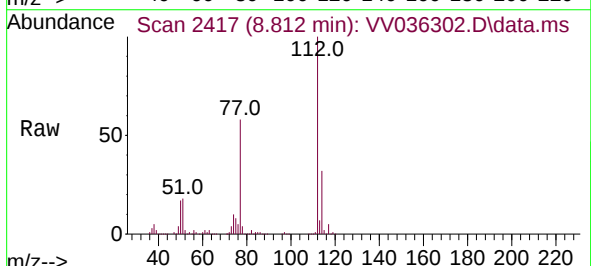


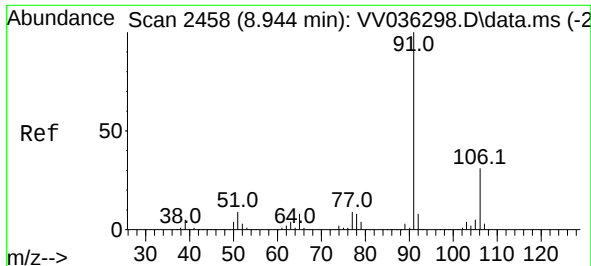
Tgt Ion:107 Resp: 110658
Ion Ratio Lower Upper
107 100
109 92.9 64.7 120.1
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 22.725 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

Tgt Ion:112 Resp: 354444
Ion Ratio Lower Upper
112 100
114 31.6 22.8 42.4
77 58.3 46.2 69.2





#52

Ethylbenzene

Concen: 23.820 ug/L

RT: 8.943 min Scan# 2458

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

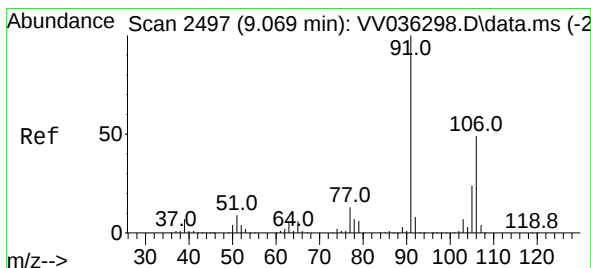
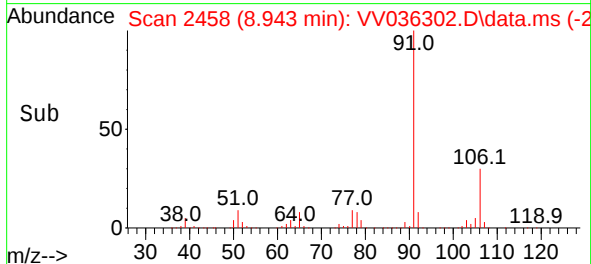
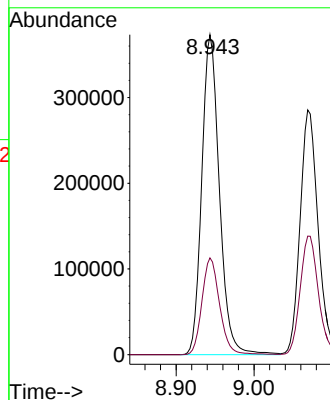
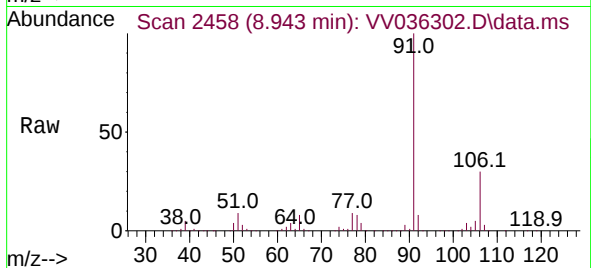
ClientSampleId :

Tgt Ion: 91 Resp: 586536

Ion Ratio Lower Upper

91 100

106 30.3 21.8 40.4



#53

m,p-Xylene

Concen: 24.521 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.000 min

Lab File: VV036302.D

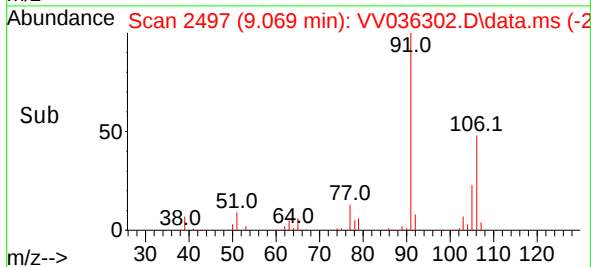
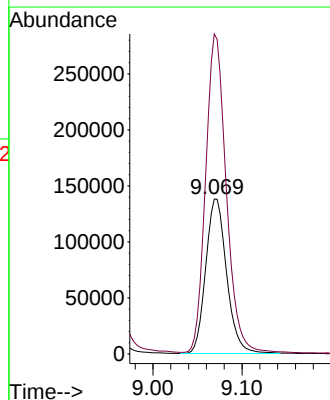
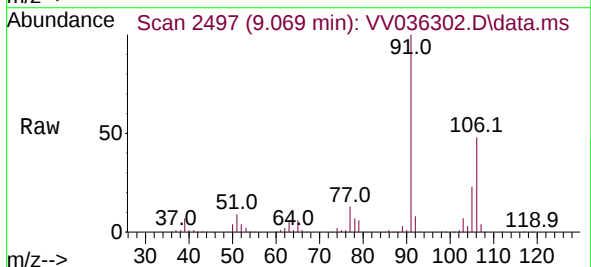
Acq: 27 Jun 2024 10:34

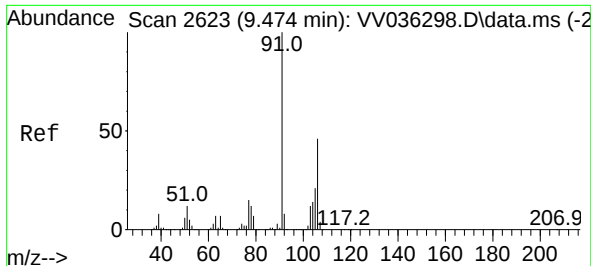
Tgt Ion: 106 Resp: 225032

Ion Ratio Lower Upper

106 100

91 206.6 142.2 264.0





#54

o-Xylene

Concen: 24.150 ug/L

RT: 9.477 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

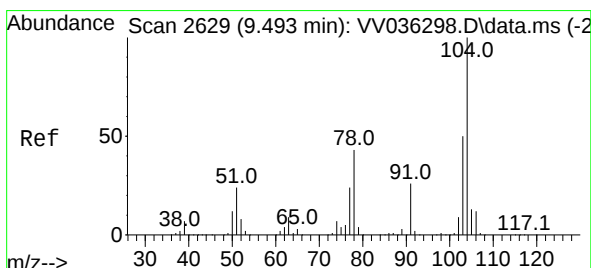
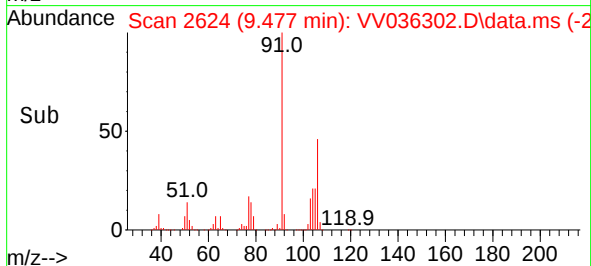
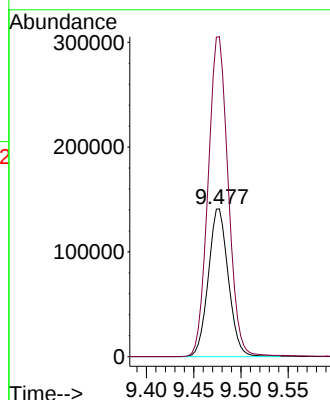
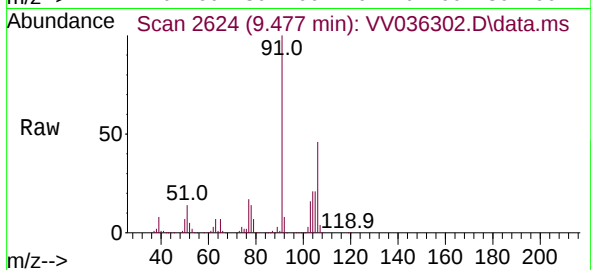
ClientSampleId :

Tgt Ion:106 Resp: 208412

Ion Ratio Lower Upper

106 100

91 216.3 152.7 283.7



#55

Styrene

Concen: 25.081 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. -0.000 min

Lab File: VV036302.D

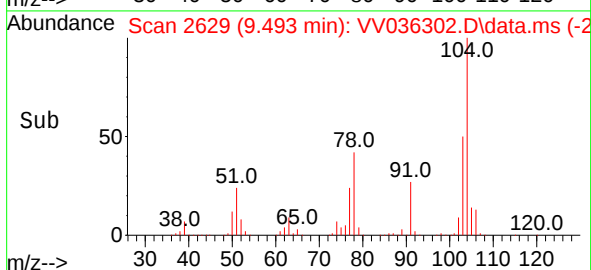
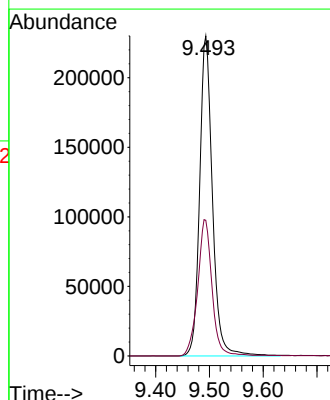
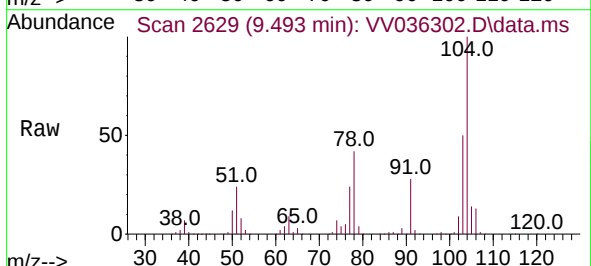
Acq: 27 Jun 2024 10:34

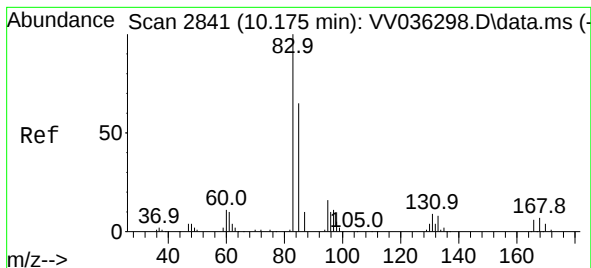
Tgt Ion:104 Resp: 379349

Ion Ratio Lower Upper

104 100

78 42.4 30.2 56.2

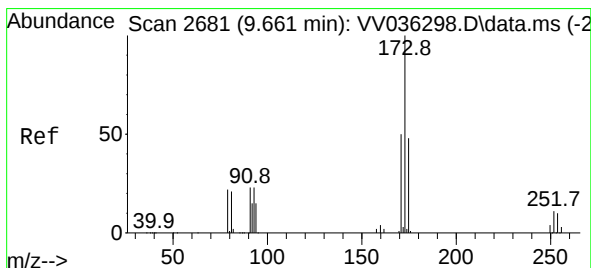
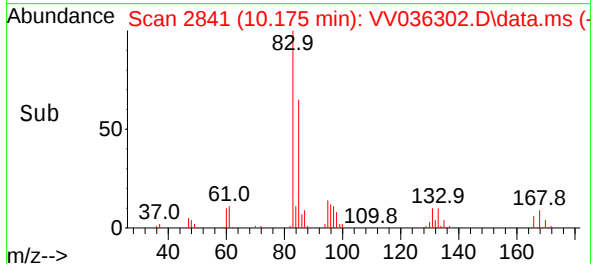
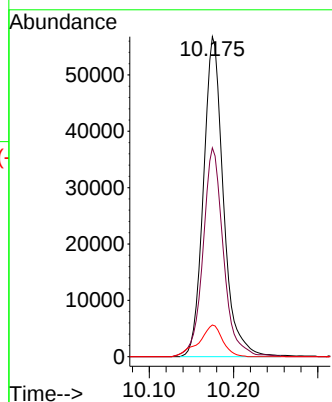
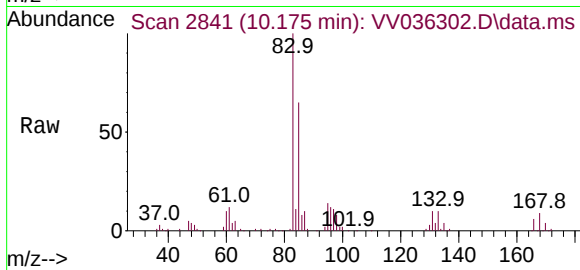




#57
1,1,2,2-Tetrachloroethane
Concen: 21.294 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

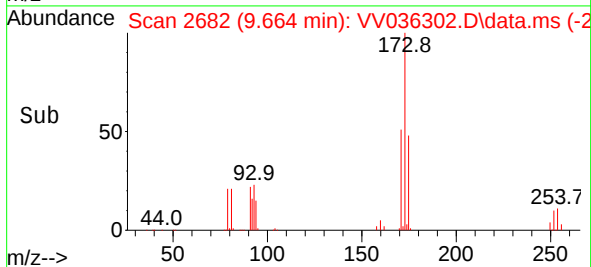
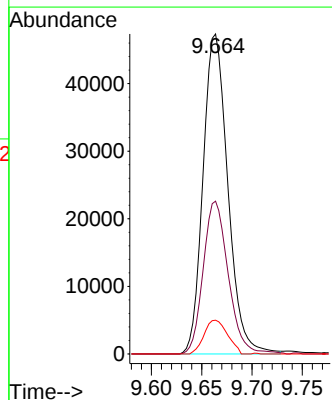
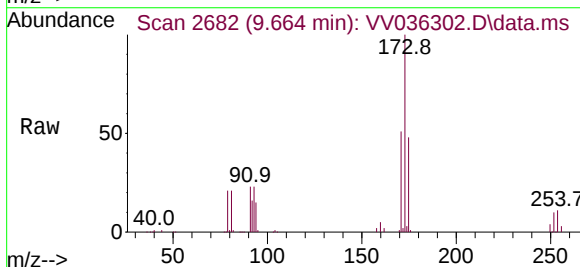
Instrument :
MSVOA_V
ClientSampleId :

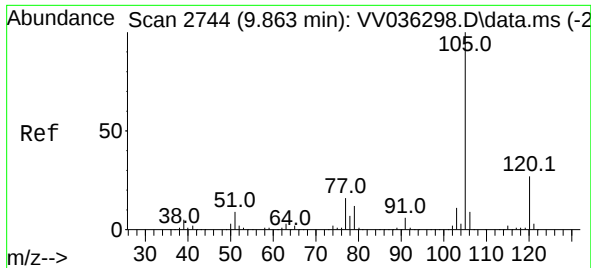
Tgt Ion: 83 Resp: 93881
Ion Ratio Lower Upper
83 100
85 65.3 45.7 84.9
131 9.9 7.8 11.6



#59
Bromoform
Concen: 22.065 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

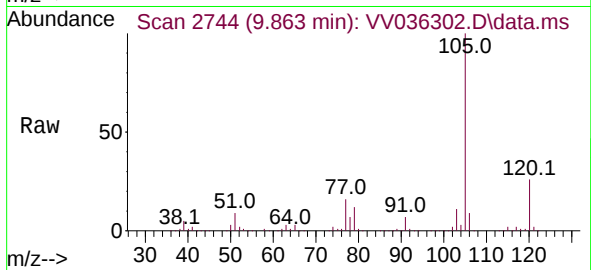
Tgt Ion: 173 Resp: 81381
Ion Ratio Lower Upper
173 100
175 48.1 38.9 58.3
254 9.9 7.2 10.8



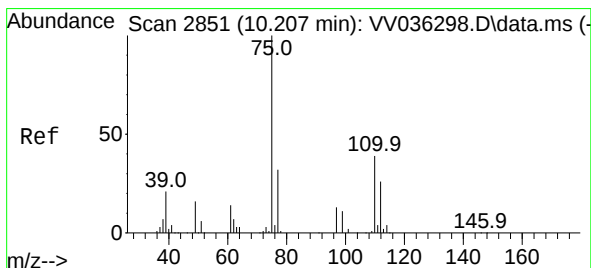
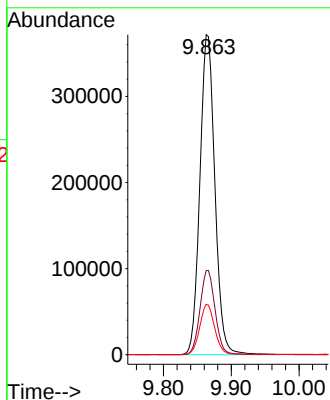
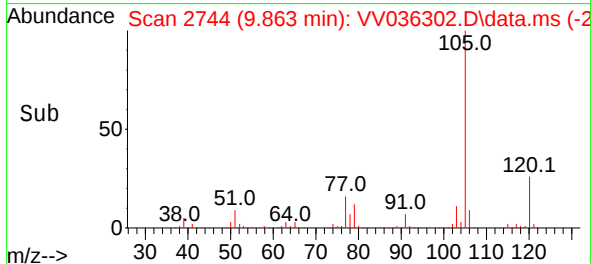


#60
Isopropylbenzene
Concen: 24.257 ug/L
RT: 9.863 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34

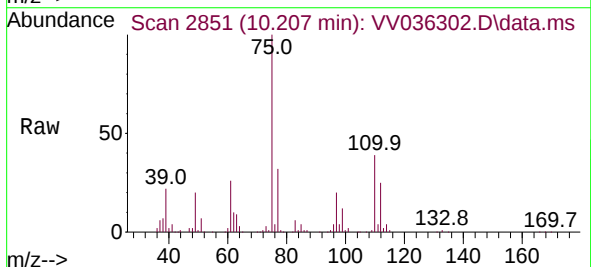
Instrument :
MSVOA_V
ClientSampleId :



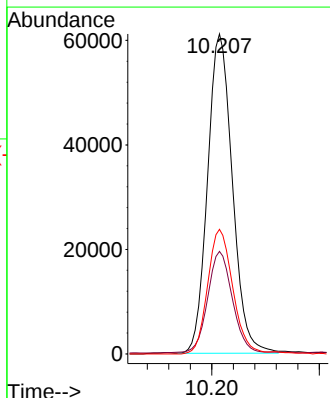
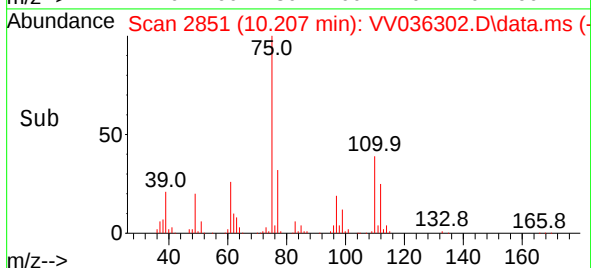
Tgt Ion:105 Resp: 571309
Ion Ratio Lower Upper
105 100
120 26.4 21.2 31.8
77 15.7 12.5 18.7

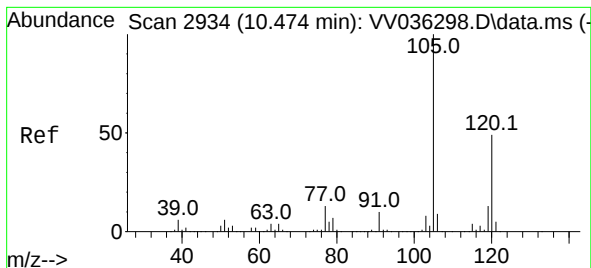


#61
1,2,3-Trichloropropane
Concen: 22.263 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036302.D
Acq: 27 Jun 2024 10:34



Tgt Ion: 75 Resp: 97891
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
110 39.4 31.7 47.5





#62

1,3,5-Trimethylbenzene

Concen: 24.371 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

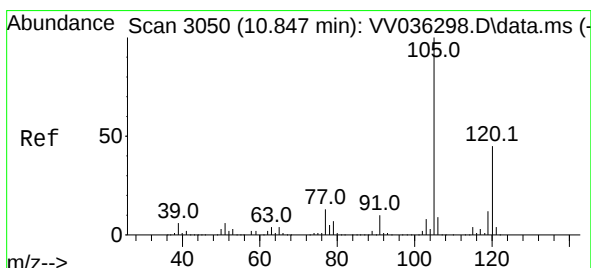
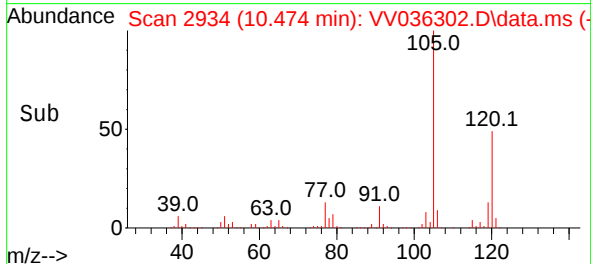
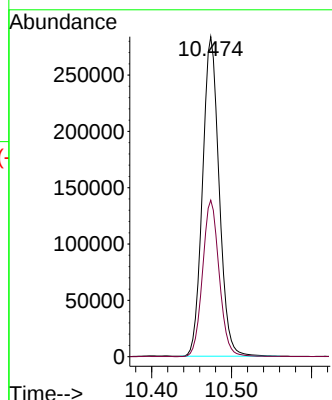
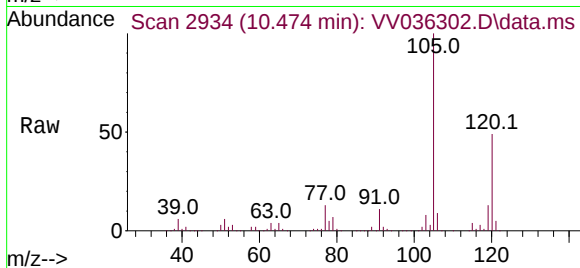
ClientSampleId :

Tgt Ion:105 Resp: 410775

Ion Ratio Lower Upper

105 100

120 49.2 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 24.746 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036302.D

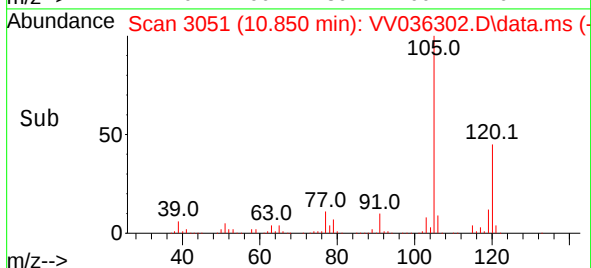
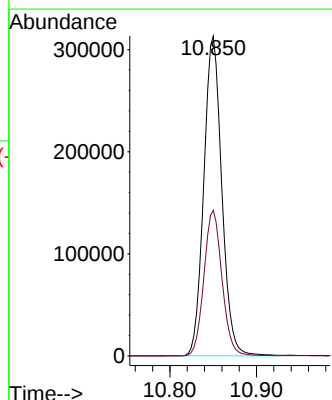
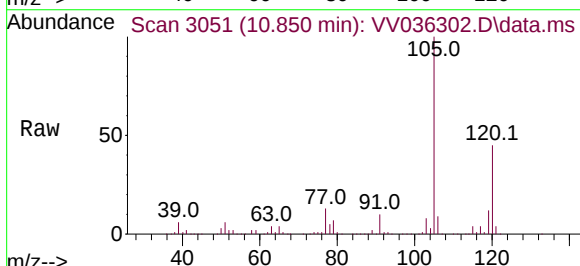
Acq: 27 Jun 2024 10:34

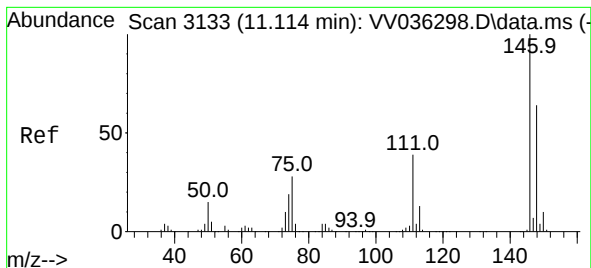
Tgt Ion:105 Resp: 453262

Ion Ratio Lower Upper

105 100

120 45.8 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 23.397 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

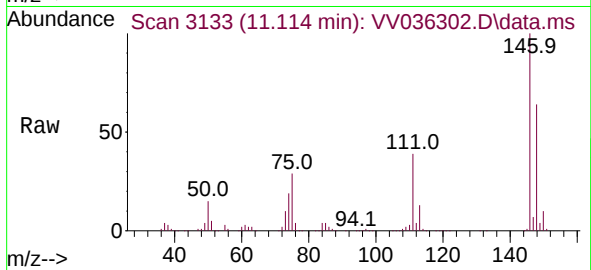
Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :



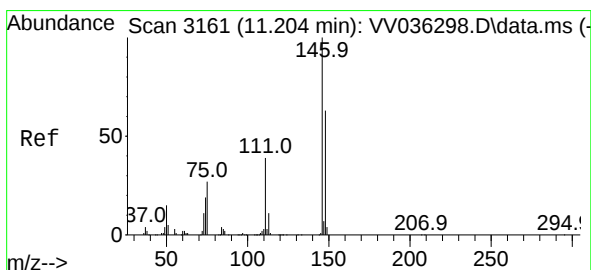
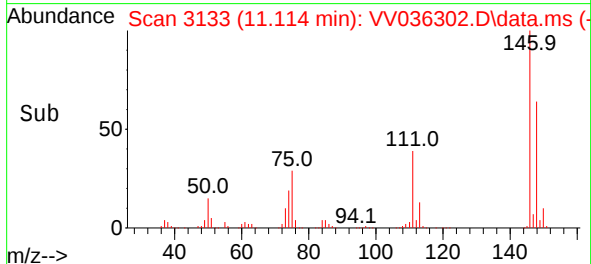
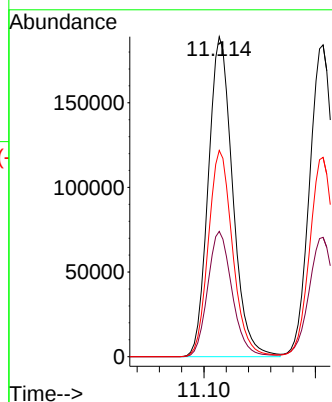
Tgt Ion:146 Resp: 287138

Ion Ratio Lower Upper

146 100

111 39.1 27.5 51.1

148 64.5 44.9 83.3



#65

1,4-Dichlorobenzene

Concen: 22.379 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

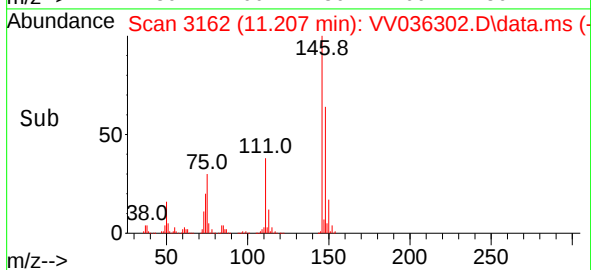
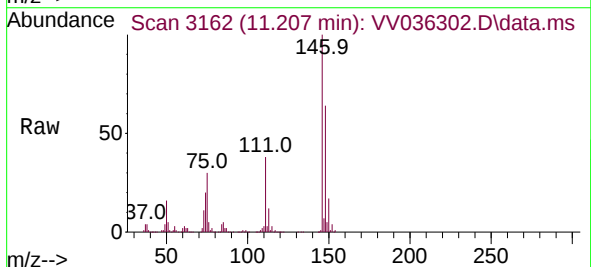
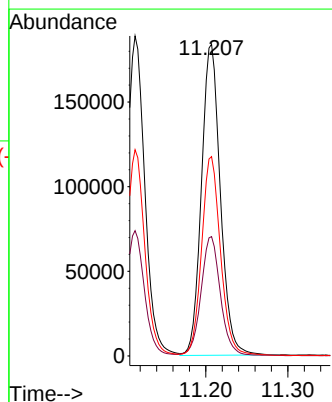
Tgt Ion:146 Resp: 294398

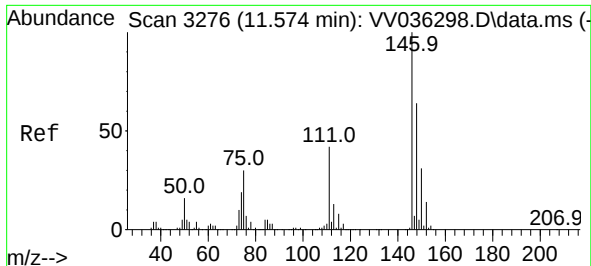
Ion Ratio Lower Upper

146 100

111 38.3 27.5 51.1

148 63.9 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 22.741 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :

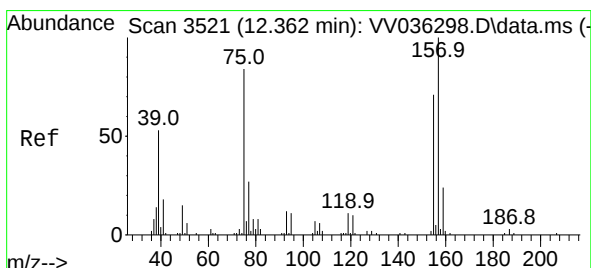
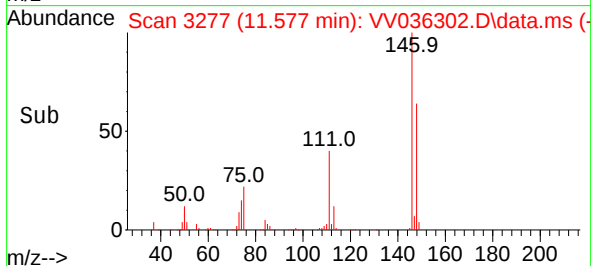
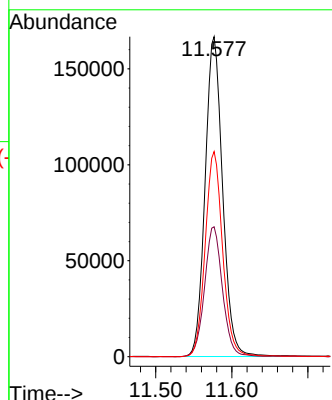
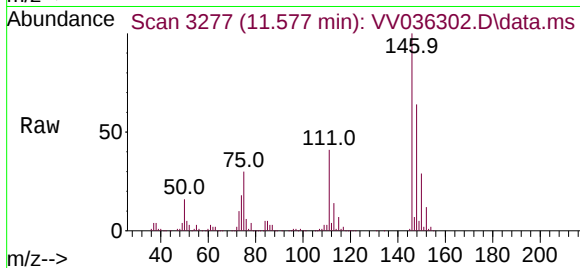
Tgt Ion:146 Resp: 266439

Ion Ratio Lower Upper

146 100

111 40.6 33.3 49.9

148 64.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 23.212 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

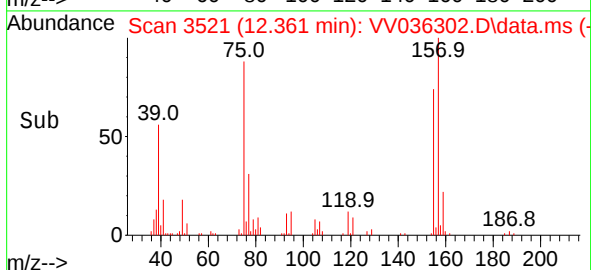
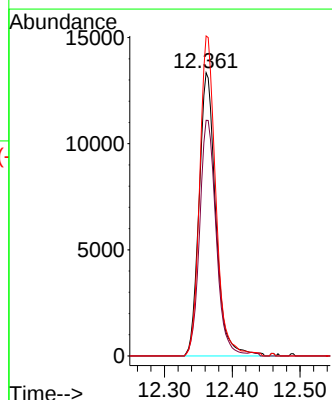
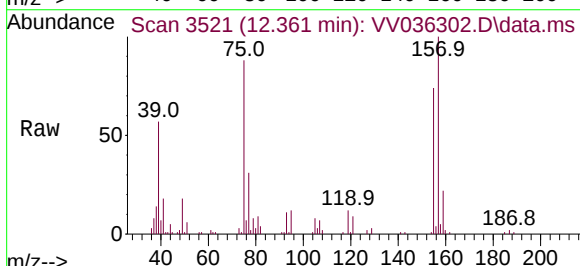
Tgt Ion: 75 Resp: 22898

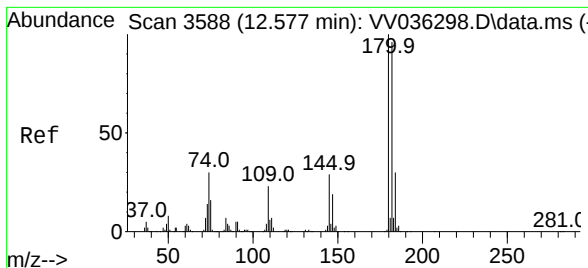
Ion Ratio Lower Upper

75 100

155 83.2 68.3 102.5

157 113.0 95.7 143.5





#69

1,3,5-Trichlorobenzene

Concen: 22.689 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

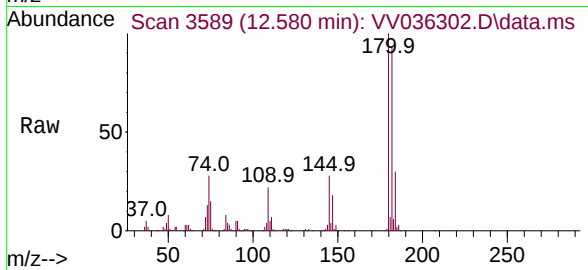
Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 209669

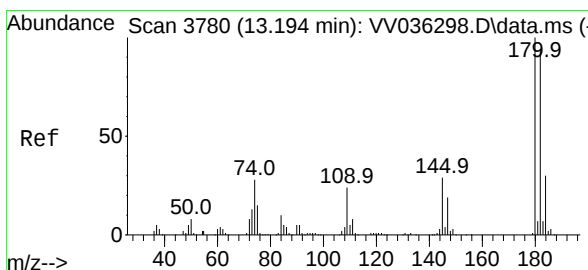
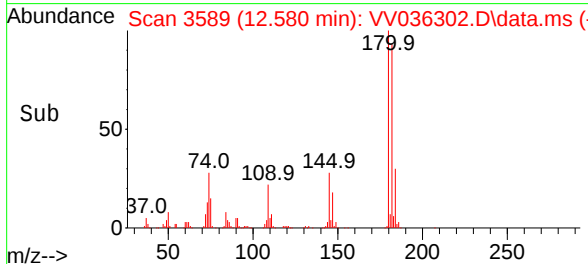
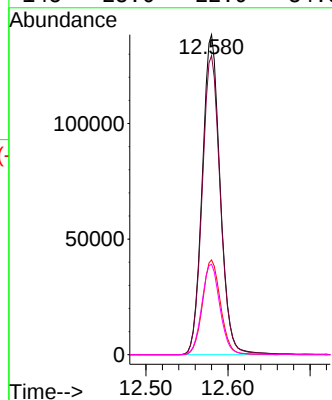
Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

184 29.8 23.3 34.9

145 28.6 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 23.601 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

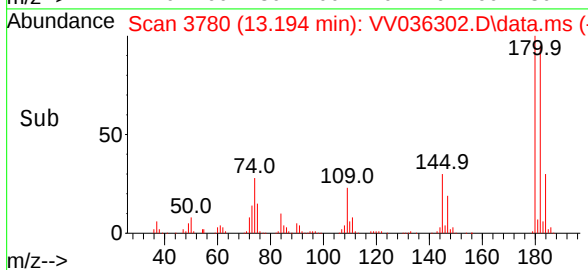
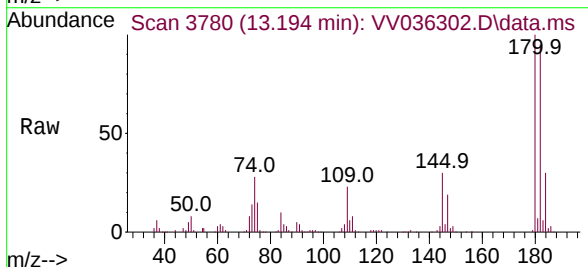
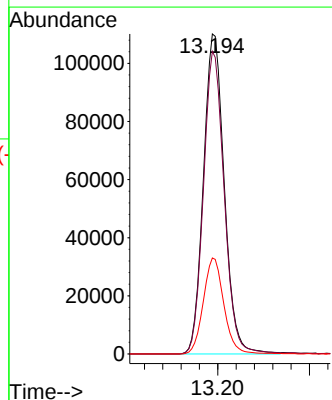
Tgt Ion:180 Resp: 173922

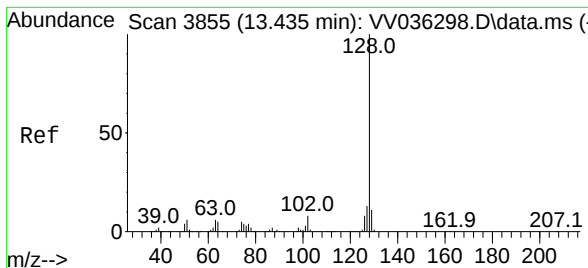
Ion Ratio Lower Upper

180 100

182 94.1 76.1 114.1

145 29.6 23.8 35.8





#71

Naphthalene

Concen: 23.956 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. -0.000 min MSVOA_V

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Instrument :

MSVOA_V

ClientSampleId :

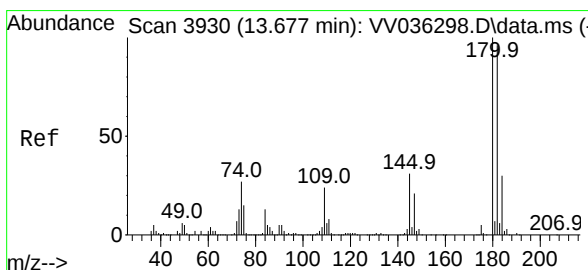
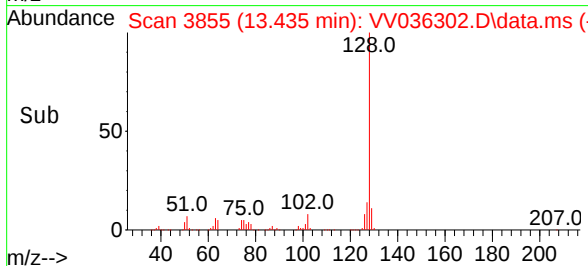
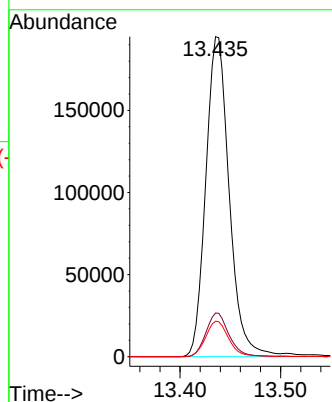
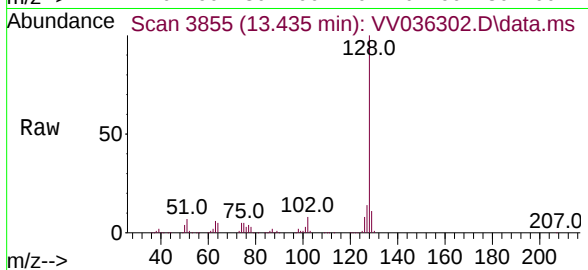
Tgt Ion:128 Resp: 314769

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 24.180 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV036302.D

Acq: 27 Jun 2024 10:34

Tgt Ion:180 Resp: 167559

Ion Ratio Lower Upper

180 100

182 94.6 76.7 115.1

145 31.3 25.0 37.4

