

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062424\
 Data File : VV036267.D
 Acq On : 25 Jun 2024 00:50
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 06:31:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	260057	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	258530	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	130813	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	108875	22.772	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.080%
7) Chloroethane-d5	1.526	69	97818	25.658	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.640%
11) 1,1-Dichloroethene-d2	2.050	65	49873	23.432	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.720%
21) 2-Butanone-d5	3.838	46	60711	55.344	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.680%
24) Chloroform-d	4.243	84	229818	27.797	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.200%
26) 1,2-Dichloroethane-d4	4.937	65	121011	27.916	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.680%
32) Benzene-d6	4.953	84	428872	27.908	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.640%
36) 1,2-Dichloropropane-d6	5.985	67	134474	27.787	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.160%
41) Toluene-d8	7.239	98	383583	28.289	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.160%
43) trans-1,3-Dichloroprop...	7.551	79	49520	24.956	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.840%
47) 2-Hexanone-d5	8.030	63	44036	67.161	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.320%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	118342	32.724	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	130.880%#
66) 1,2-Dichlorobenzene-d4	11.557	152	130619	27.229	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	105072	22.408	ug/L	100
3) Chloromethane	1.211	50	114437	21.266	ug/L	100
5) Vinyl chloride	1.275	62	137283	24.233	ug/L	100
6) Bromomethane	1.481	94	90306	25.695	ug/L	98
8) Chloroethane	1.542	64	88741	25.201	ug/L	99
9) Trichlorofluoromethane	1.706	101	198257	28.180	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	127057	28.456	ug/L	98
12) 1,1-Dichloroethene	2.063	96	112862	27.102	ug/L	86
13) Acetone	2.159	43	42816	25.057	ug/L	100
14) Carbon disulfide	2.233	76	337788	23.358	ug/L	99
15) Methyl Acetate	2.387	43	50192	23.632	ug/L	98
16) Methylene chloride	2.442	84	133620	22.707	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	111843	25.283	ug/L	94
18) Methyl tert-butyl Ether	2.699	73	263911	26.574	ug/L	99
19) 1,1-Dichloroethane	3.104	63	212743	25.253	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	113338	25.497	ug/L	99
22) 2-Butanone	3.911	43	16277	11.226	ug/L #	1
23) Bromochloromethane	4.143	128	59848	26.842	ug/L	95
25) Chloroform	4.272	83	227761	26.282	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062424\
 Data File : VV036267.D
 Acq On : 25 Jun 2024 00:50
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 39 Sample Multiplier: 1

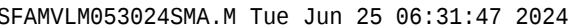
Instrument :
 MSVOA_V
 ClientSampleId :

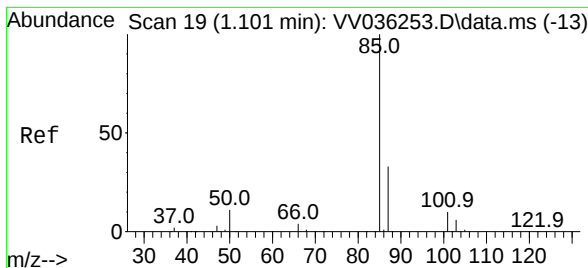
Quant Time: Jun 25 06:31:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	147151	27.198	ug/L	99
29) Cyclohexane	4.577	56	151952	24.686	ug/L	97
30) 1,1,1-Trichloroethane	4.506	97	191031	27.028	ug/L	99
31) Carbon tetrachloride	4.728	117	167927	27.083	ug/L	98
33) Benzene	5.005	78	458024	27.088	ug/L	100
34) Trichloroethene	5.828	95	135643	26.175	ug/L	98
35) Methylcyclohexane	6.046	83	187420	26.152	ug/L	96
37) 1,2-Dichloropropane	6.088	63	122858	27.672	ug/L	99
38) Bromodichloromethane	6.429	83	158770	27.018	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	151322	22.787	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	130706	54.186	ug/L	97
42) Toluene	7.313	91	478748	27.709	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	145887	25.434	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	100385	27.326	ug/L	98
46) Tetrachloroethene	7.902	164	94047	24.814	ug/L	98
48) 2-Hexanone	8.079	43	89556	47.489	ug/L	96
49) Dibromochloromethane	8.175	129	110073	27.378	ug/L	99
50) 1,2-Dibromoethane	8.281	107	98716	28.005	ug/L	97
51) Chlorobenzene	8.812	112	305667	25.965	ug/L	97
52) Ethylbenzene	8.943	91	491150	26.570	ug/L	99
53) m,p-Xylene	9.072	106	187562	27.004	ug/L	99
54) o-Xylene	9.477	106	173923	26.553	ug/L	96
55) Styrene	9.493	104	323442	28.002	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	98482	29.939	ug/L	99
59) Bromoform	9.664	173	72515	29.395	ug/L	99
60) Isopropylbenzene	9.863	105	479594	28.577	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	92332	29.844	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	329073	27.041	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	358160	27.316	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	233817	26.529	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	239721	26.352	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	222820	26.866	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	20505	29.639	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	144562	21.928	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	107193	20.650	ug/L	100
71) Naphthalene	13.438	128	213221	25.170	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	109576	23.133	ug/L	98

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

Quant Time: Jun 25 06:31:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:53:47 2024
Response via : Initial Calibration

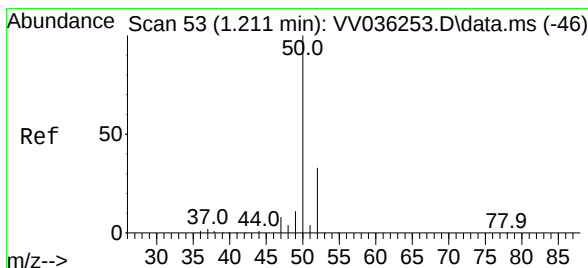
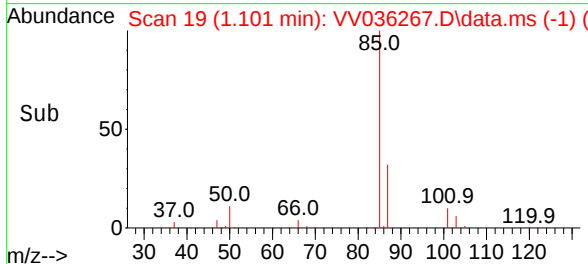
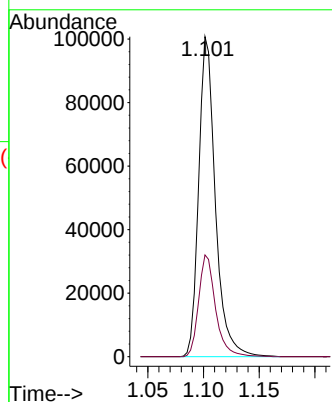
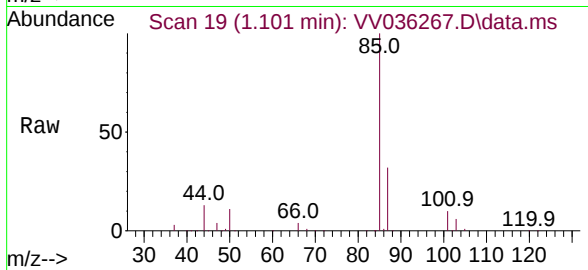




#2
 Dichlorodifluoromethane
 Concen: 22.408 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.000 min
 Lab File: VV036267.D
 Acq: 25 Jun 2024 00:50

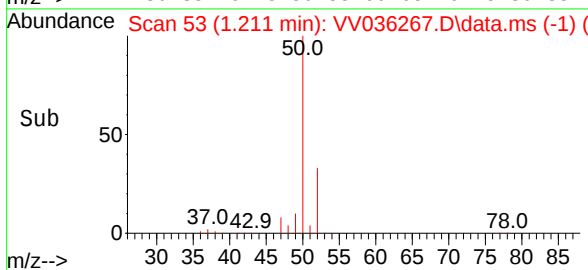
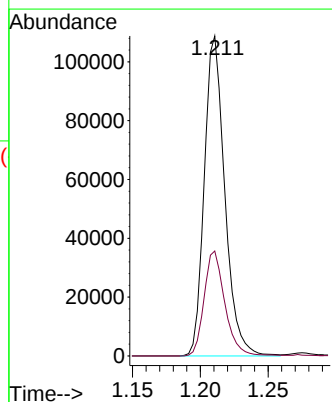
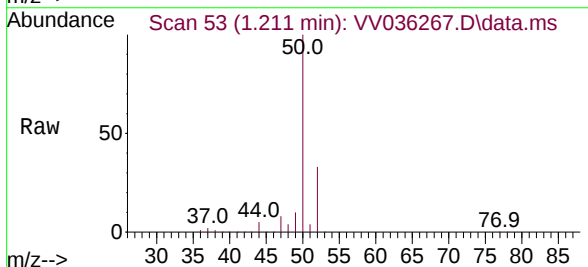
Instrument :
 MSVOA_V
 ClientSampleId :

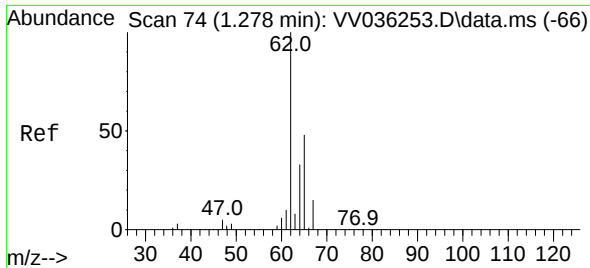
Tgt Ion: 85 Resp: 105072
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.9 38.9



#3
 Chloromethane
 Concen: 21.266 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036267.D
 Acq: 25 Jun 2024 00:50

Tgt Ion: 50 Resp: 114437
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.8 42.4

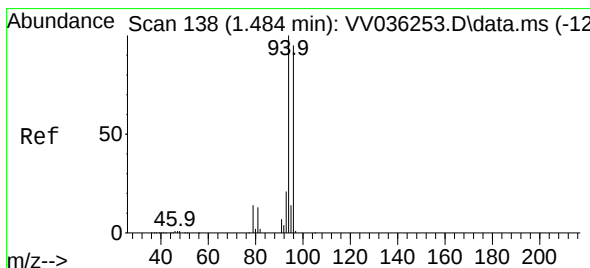
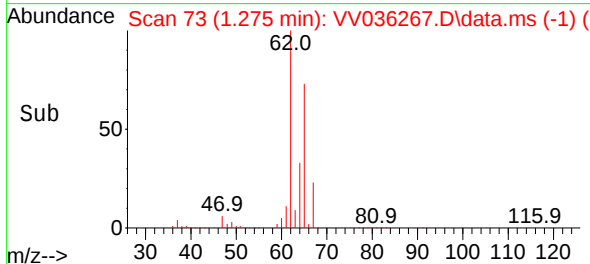
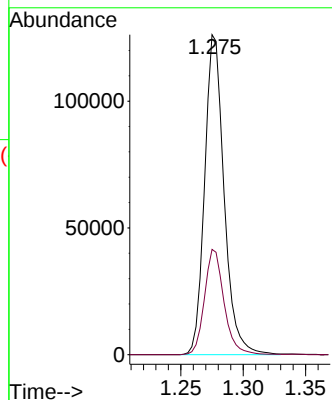
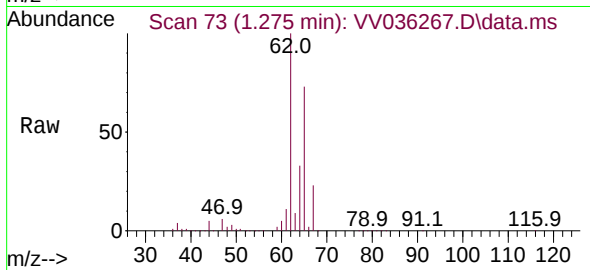




#5
 Vinyl chloride
 Concen: 24.233 ug/L
 RT: 1.275 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV036267.D
 Acq: 25 Jun 2024 00:50

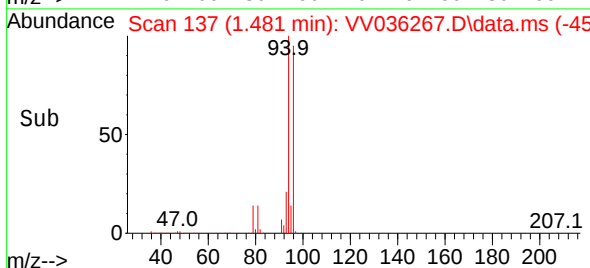
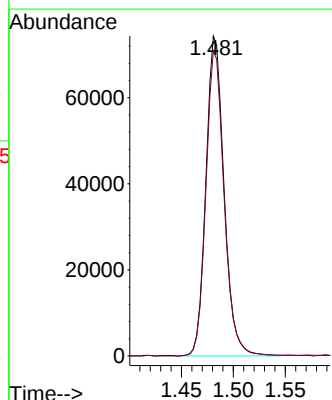
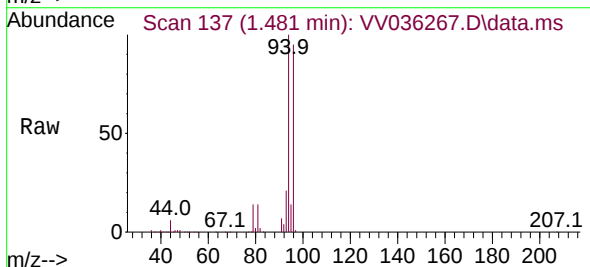
Instrument :
 MSVOA_V
 ClientSampleId :

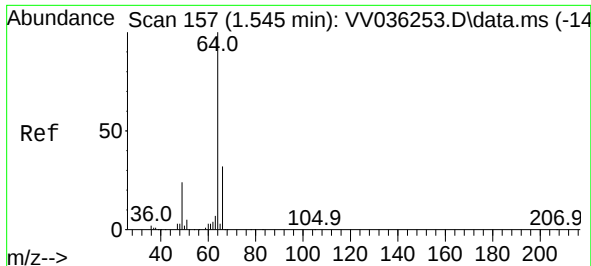
Tgt Ion: 62 Resp: 137283
 Ion Ratio Lower Upper
 62 100
 64 32.9 22.9 42.5



#6
 Bromomethane
 Concen: 25.695 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV036267.D
 Acq: 25 Jun 2024 00:50

Tgt Ion: 94 Resp: 90306
 Ion Ratio Lower Upper
 94 100
 96 95.4 65.7 122.1





#8

Chloroethane

Concen: 25.201 ug/L

RT: 1.542 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

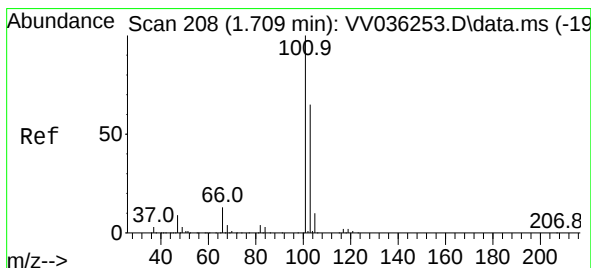
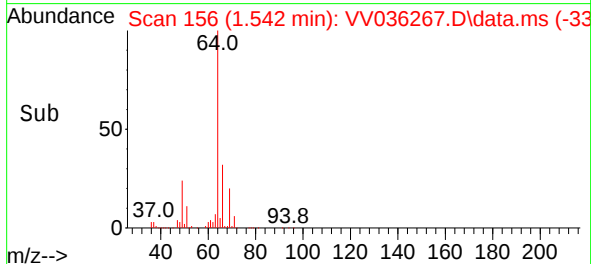
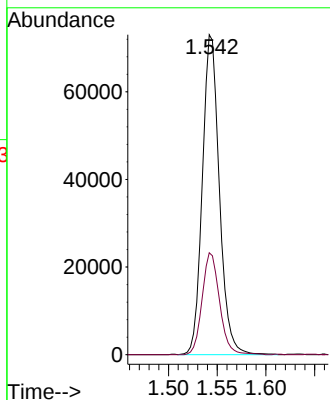
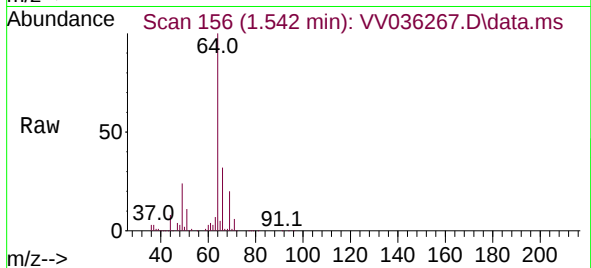
ClientSampleId :

Tgt Ion: 64 Resp: 88741

Ion Ratio Lower Upper

64 100

66 31.8 22.0 41.0



#9

Trichlorofluoromethane

Concen: 28.180 ug/L

RT: 1.706 min Scan# 207

Delta R.T. -0.003 min

Lab File: VV036267.D

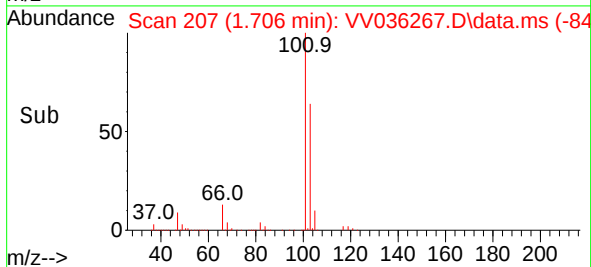
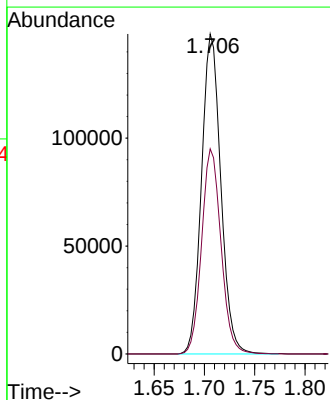
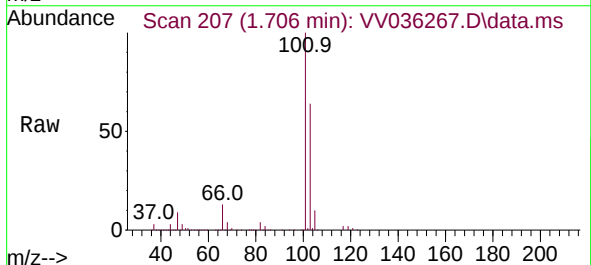
Acq: 25 Jun 2024 00:50

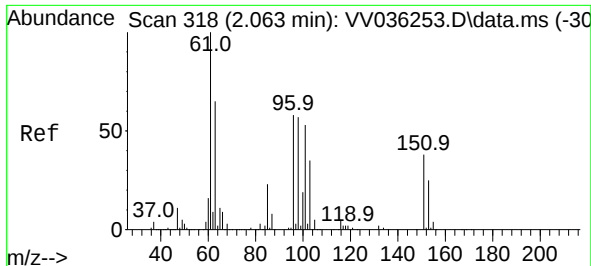
Tgt Ion:101 Resp: 198257

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8

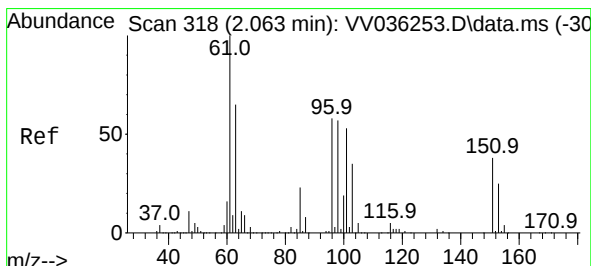
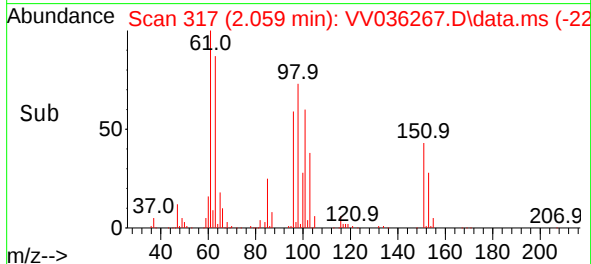
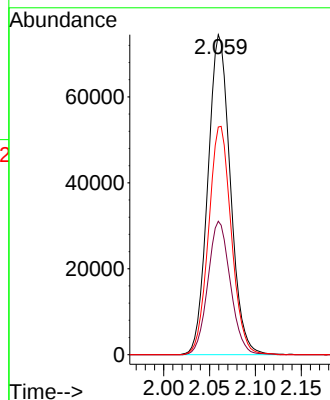
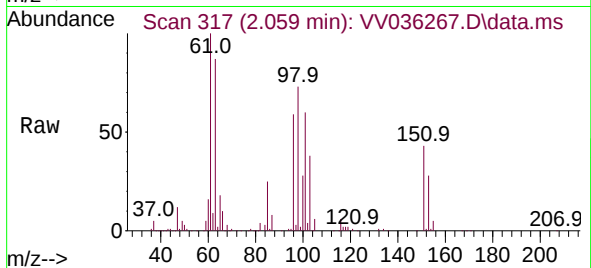




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 28.456 ug/L
RT: 2.059 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

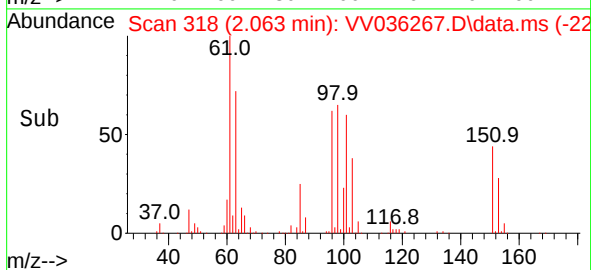
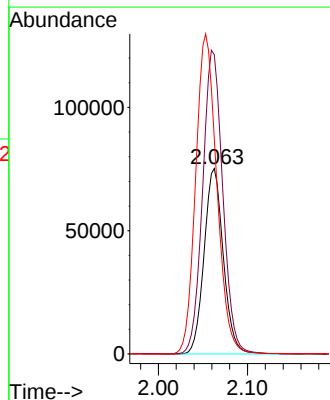
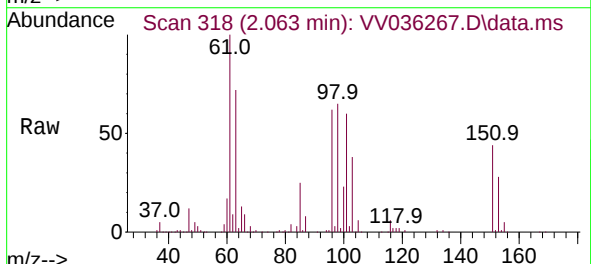
Instrument :
MSVOA_V
ClientSampleId :

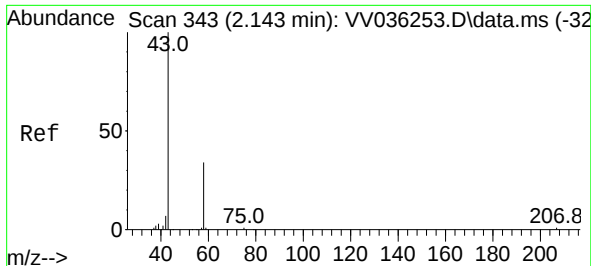
Tgt Ion:101 Resp: 127057
Ion Ratio Lower Upper
101 100
85 41.8 34.5 51.7
151 72.2 56.3 84.5



#12
1,1-Dichloroethene
Concen: 27.102 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Tgt Ion: 96 Resp: 112862
Ion Ratio Lower Upper
96 100
61 161.4 127.3 236.3
63 116.5 93.7 173.9





#13

Acetone

Concen: 25.057 ug/L

RT: 2.159 min Scan# 343

Delta R.T. 0.016 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

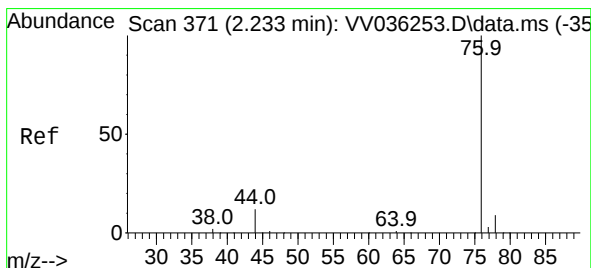
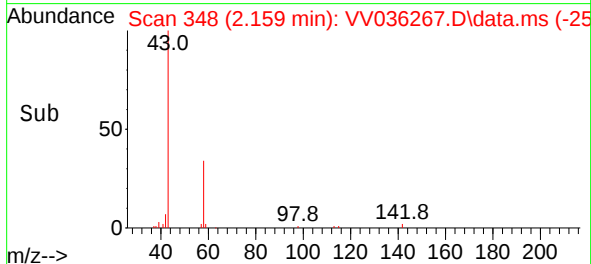
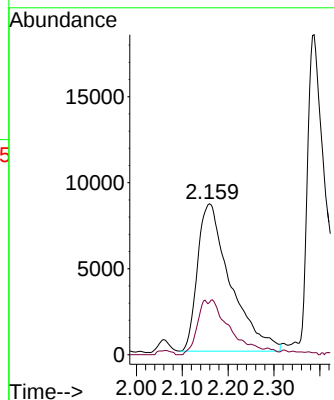
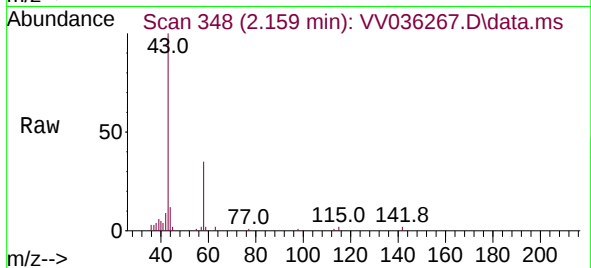
ClientSampleId :

Tgt Ion: 43 Resp: 42816

Ion Ratio Lower Upper

43 100

58 12.2 0.0 24.2



#14

Carbon disulfide

Concen: 23.358 ug/L

RT: 2.233 min Scan# 371

Delta R.T. -0.000 min

Lab File: VV036267.D

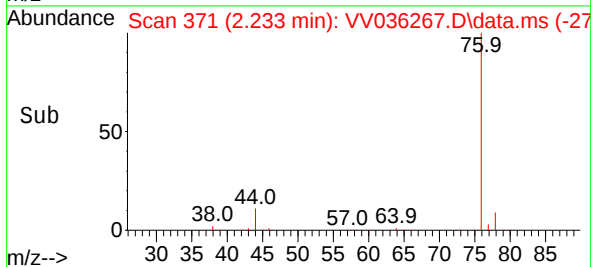
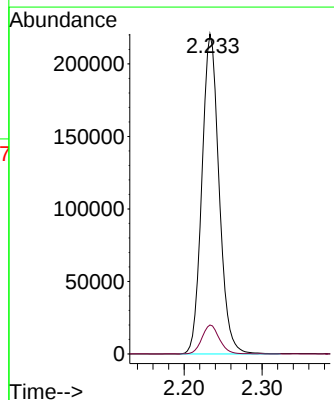
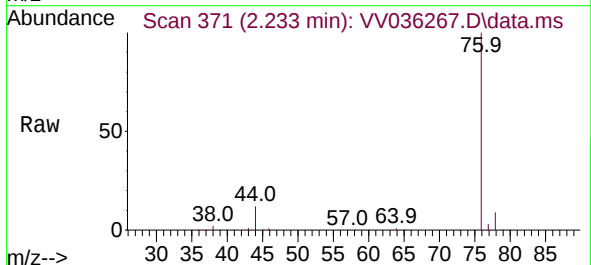
Acq: 25 Jun 2024 00:50

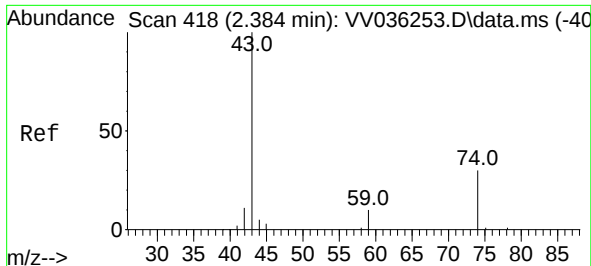
Tgt Ion: 76 Resp: 337788

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 23.632 ug/L

RT: 2.387 min Scan# 418

Delta R.T. 0.003 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

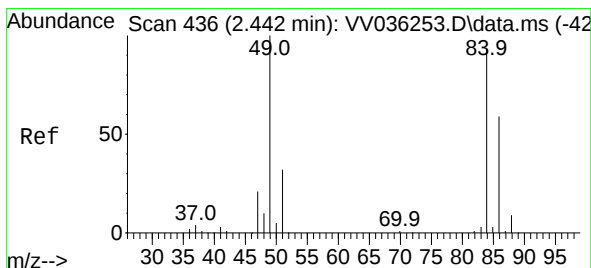
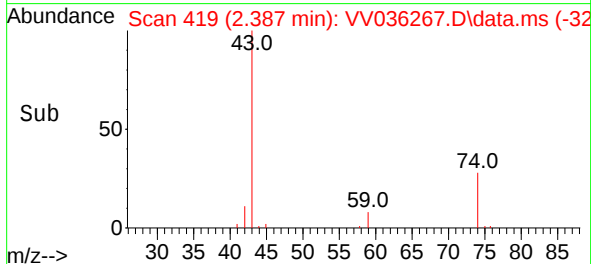
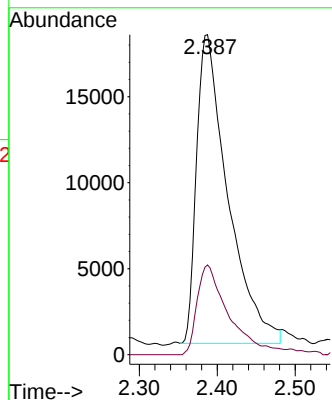
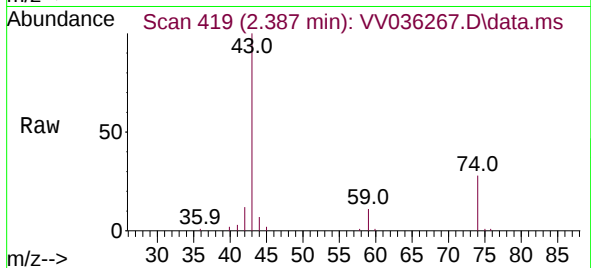
ClientSampleId :

Tgt Ion: 43 Resp: 50192

Ion Ratio Lower Upper

43 100

74 28.0 21.4 32.2



#16

Methylene chloride

Concen: 22.707 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

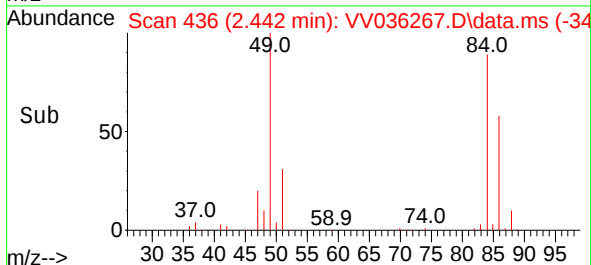
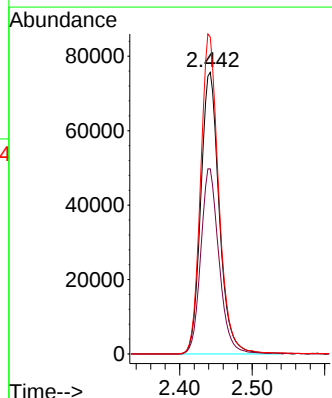
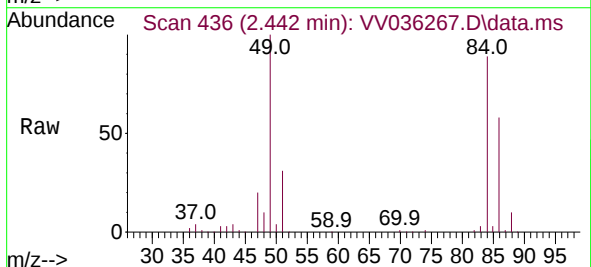
Tgt Ion: 84 Resp: 133620

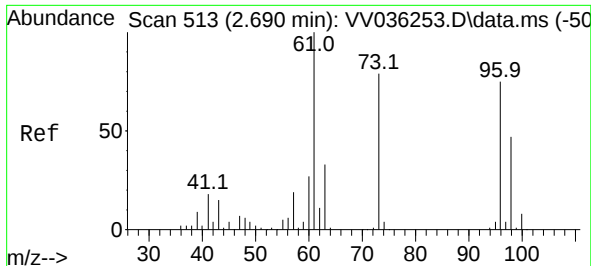
Ion Ratio Lower Upper

84 100

86 65.7 44.6 82.8

49 112.5 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 25.283 ug/L

RT: 2.690 min Scan# 513

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :

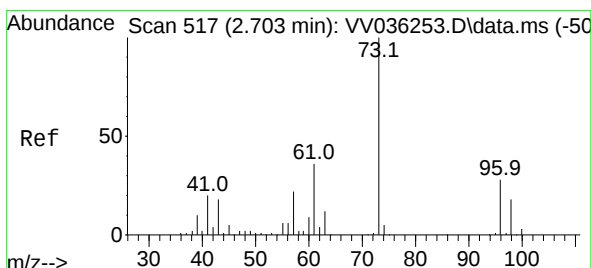
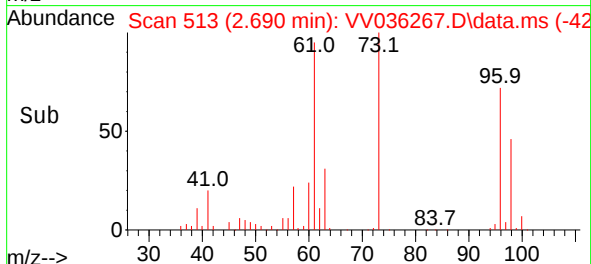
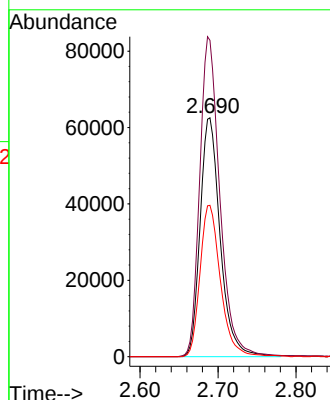
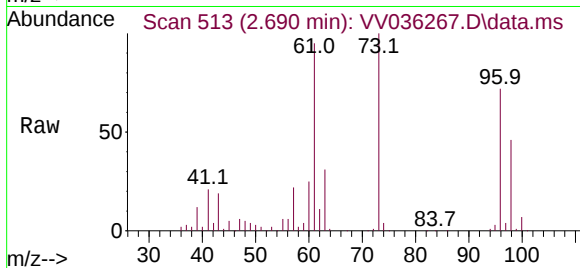
Tgt Ion: 96 Resp: 111843

Ion Ratio Lower Upper

96 100

61 132.4 99.4 184.6

98 63.4 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 26.574 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

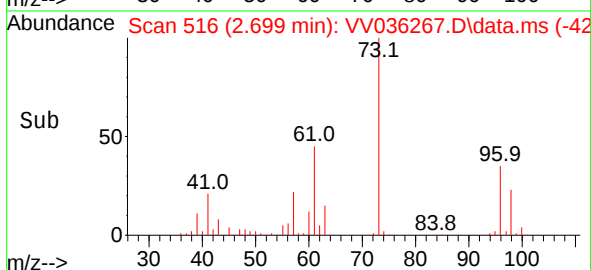
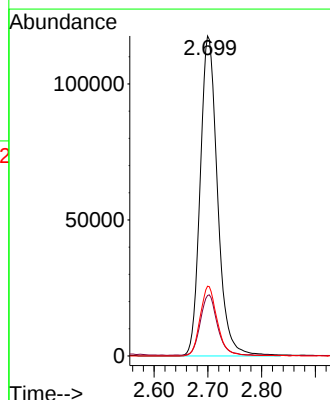
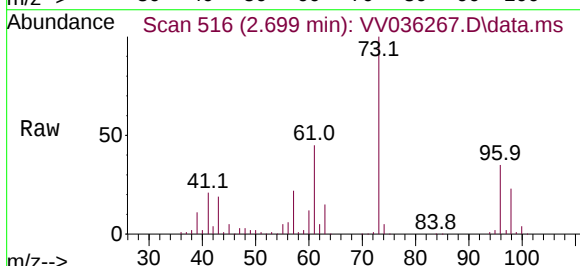
Tgt Ion: 73 Resp: 263911

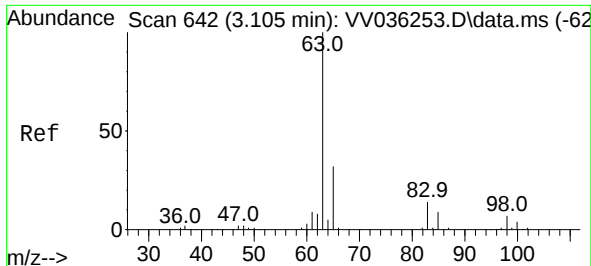
Ion Ratio Lower Upper

73 100

43 18.4 14.3 21.5

57 21.5 17.8 26.6





#19

1,1-Dichloroethane

Concen: 25.253 ug/L

RT: 3.104 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :

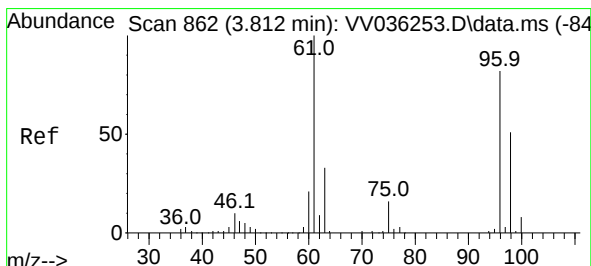
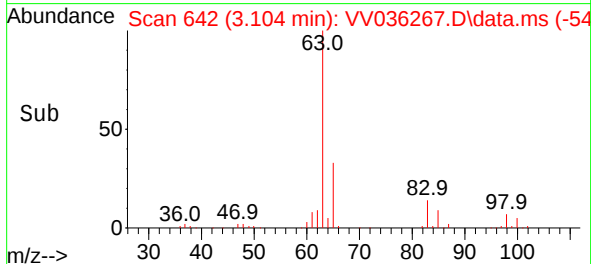
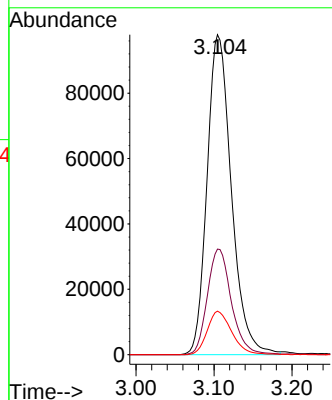
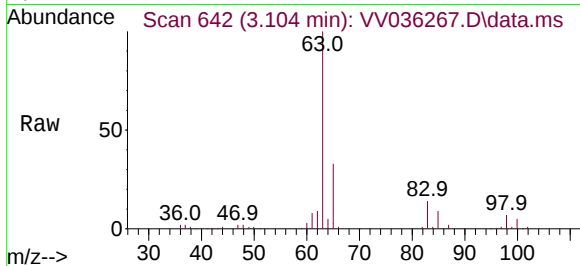
Tgt Ion: 63 Resp: 212743

Ion Ratio Lower Upper

63 100

65 33.0 22.4 41.6

83 13.6 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 25.497 ug/L

RT: 3.809 min Scan# 861

Delta R.T. -0.003 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

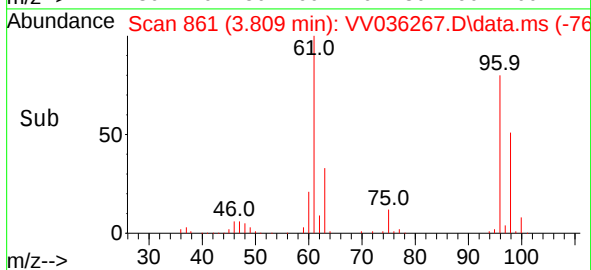
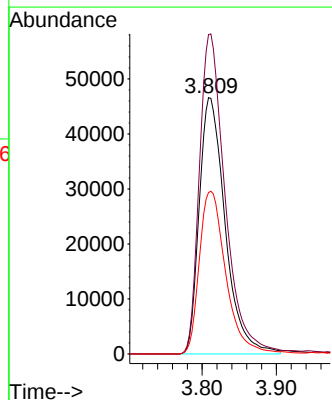
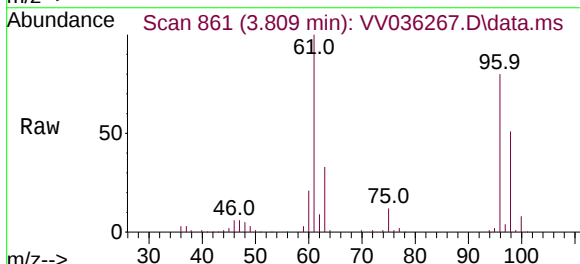
Tgt Ion: 96 Resp: 113338

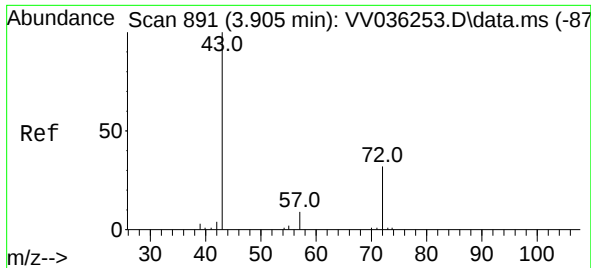
Ion Ratio Lower Upper

96 100

61 124.7 87.9 163.3

98 63.0 44.4 82.5





#22

2-Butanone

Concen: 11.226 ug/L

RT: 3.911 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

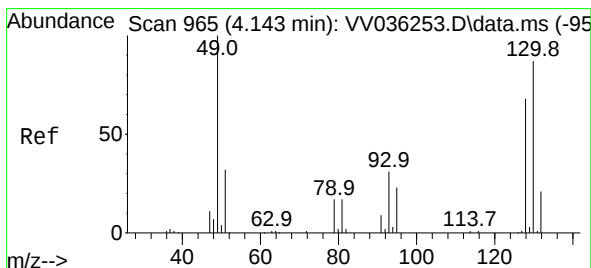
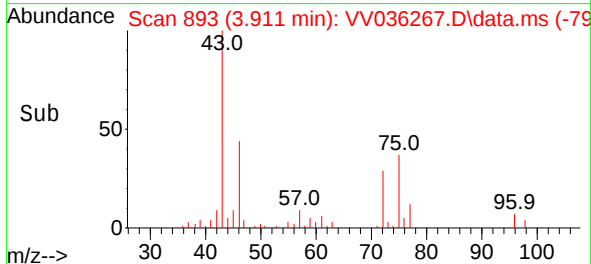
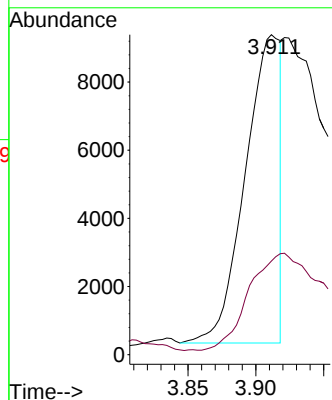
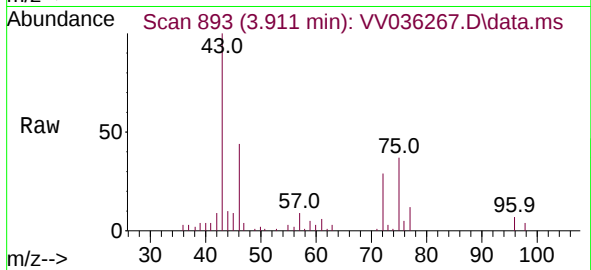
ClientSampleId :

Tgt Ion: 43 Resp: 16277

Ion Ratio Lower Upper

43 100

72 62.8 8.2 24.4#



#23

Bromochloromethane

Concen: 26.842 ug/L

RT: 4.143 min Scan# 965

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Tgt Ion:128 Resp: 59848

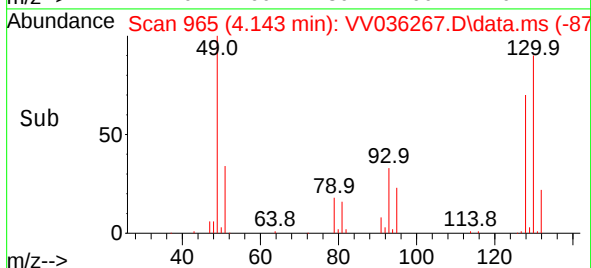
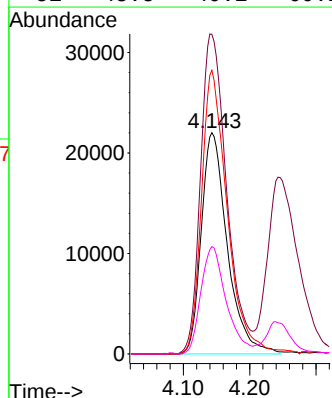
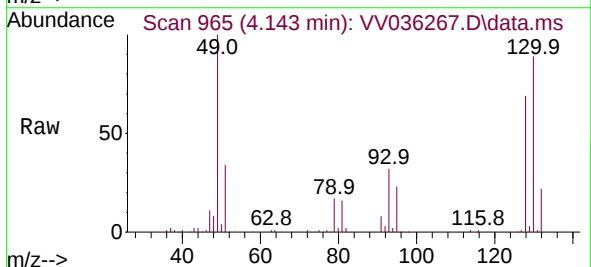
Ion Ratio Lower Upper

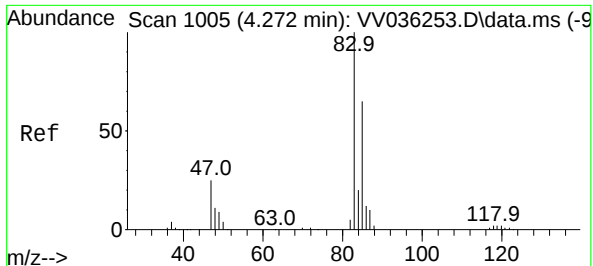
128 100

49 144.5 110.2 204.6

130 128.2 90.2 167.4

51 48.5 40.2 60.2





#25

Chloroform

Concen: 26.282 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

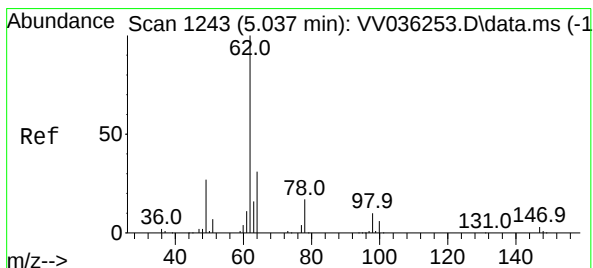
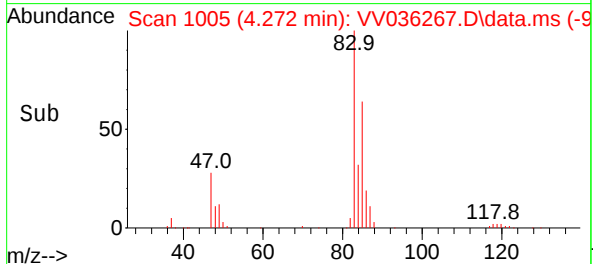
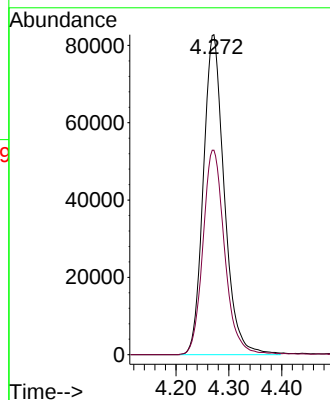
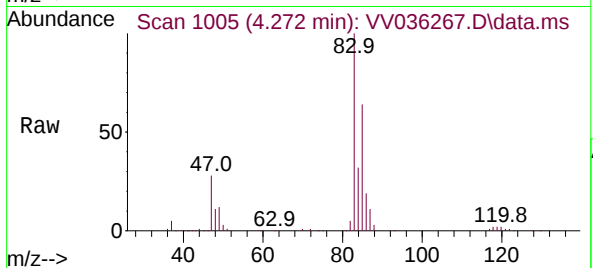
ClientSampleId :

Tgt Ion: 83 Resp: 227761

Ion Ratio Lower Upper

83 100

85 63.9 45.2 84.0



#27

1,2-Dichloroethane

Concen: 27.198 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VV036267.D

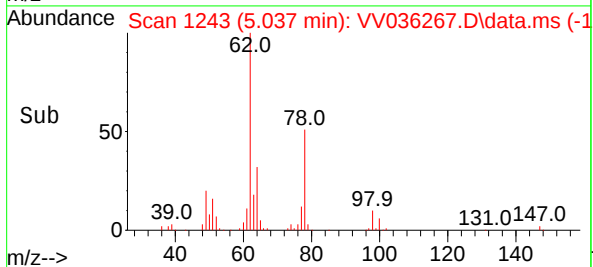
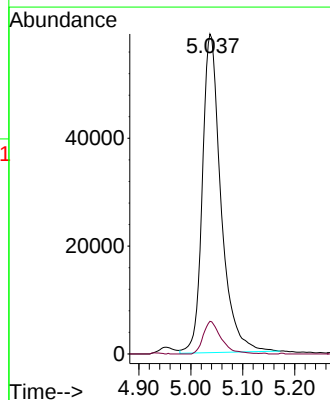
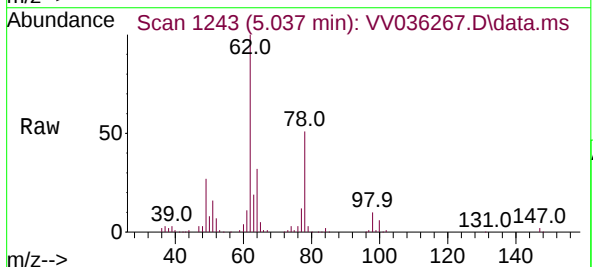
Acq: 25 Jun 2024 00:50

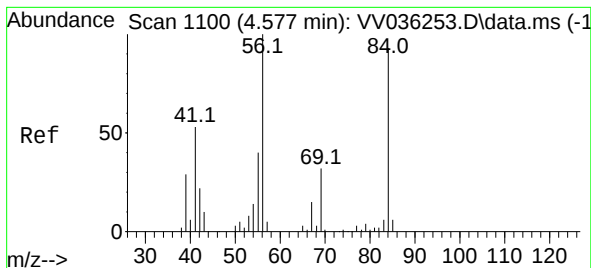
Tgt Ion: 62 Resp: 147151

Ion Ratio Lower Upper

62 100

98 10.2 7.8 11.6





#29

Cyclohexane

Concen: 24.686 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :

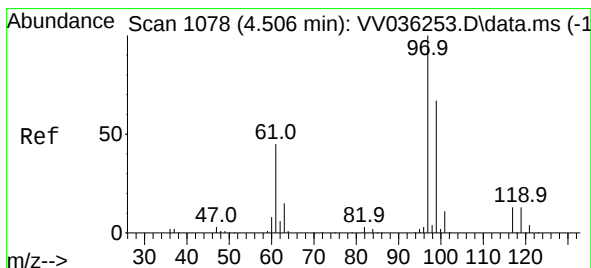
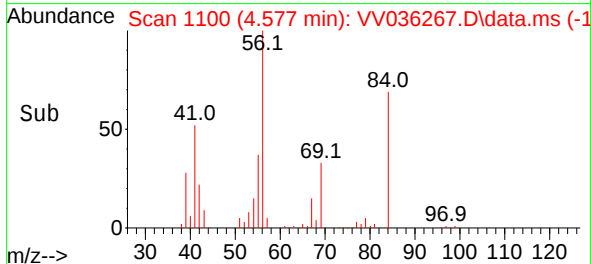
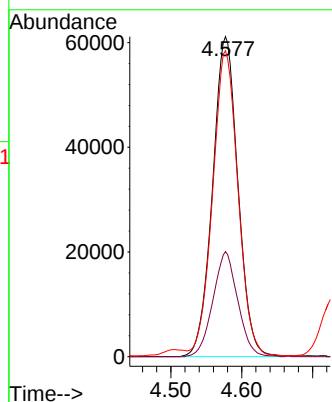
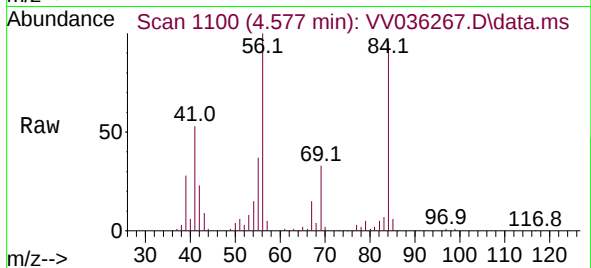
Tgt Ion: 56 Resp: 151952

Ion Ratio Lower Upper

56 100

69 32.1 25.2 37.8

84 94.1 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 27.028 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

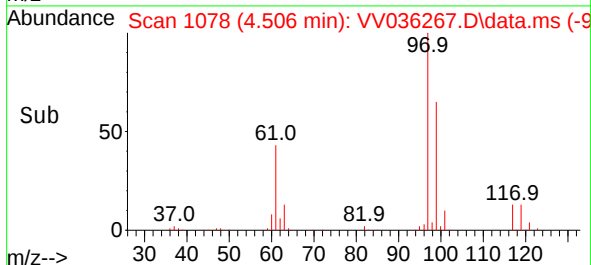
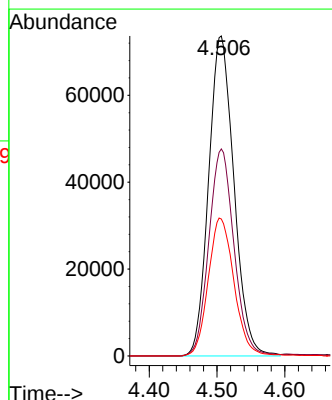
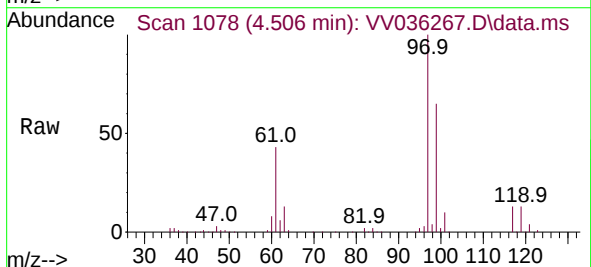
Tgt Ion: 97 Resp: 191031

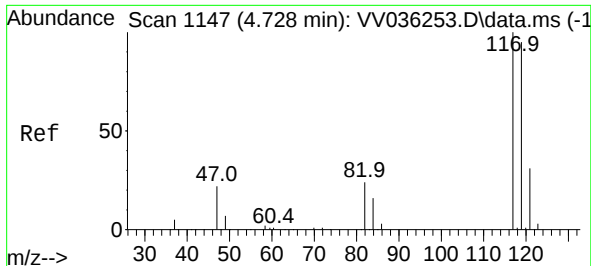
Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

61 43.7 35.0 52.6

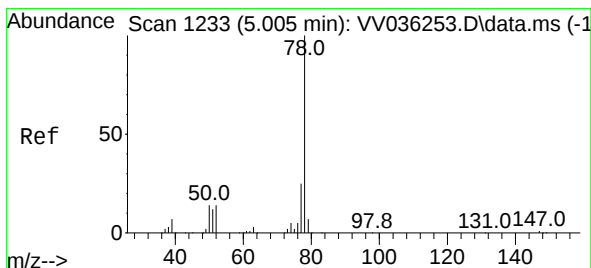
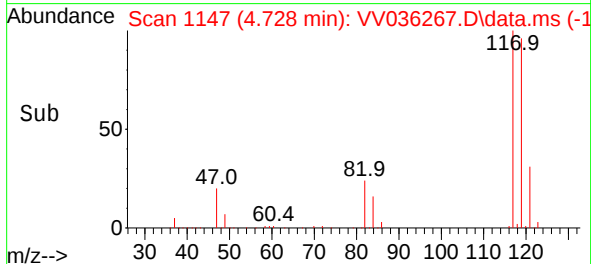
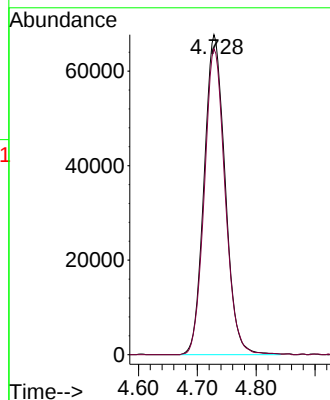
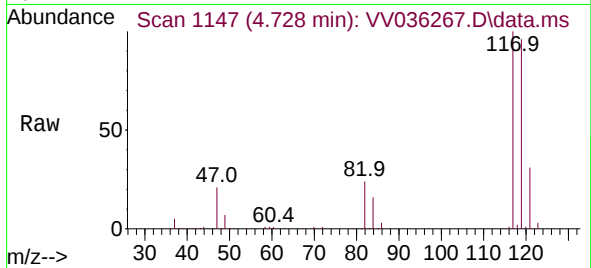




#31
Carbon tetrachloride
Concen: 27.083 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

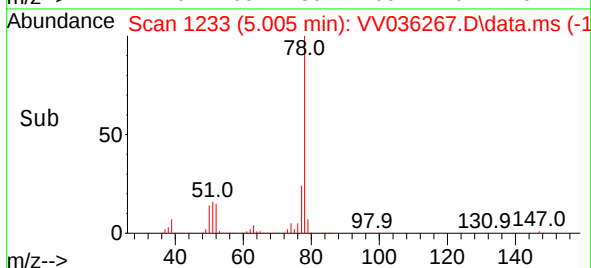
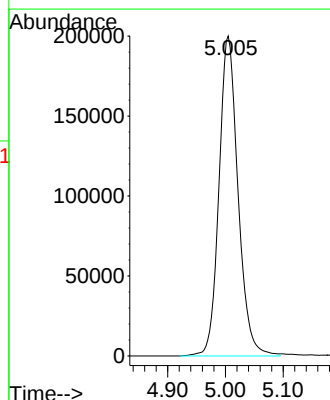
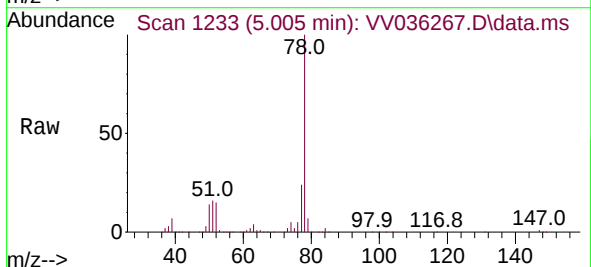
Instrument :
MSVOA_V
ClientSampleId :

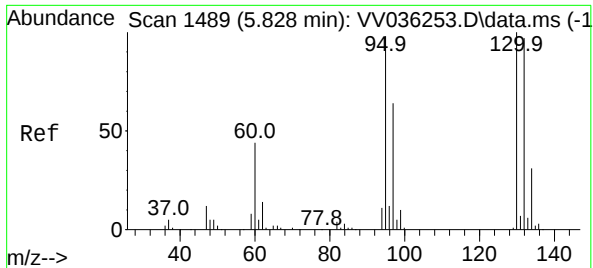
Tgt Ion:117 Resp: 167927
Ion Ratio Lower Upper
117 100
119 94.4 76.8 115.2



#33
Benzene
Concen: 27.088 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

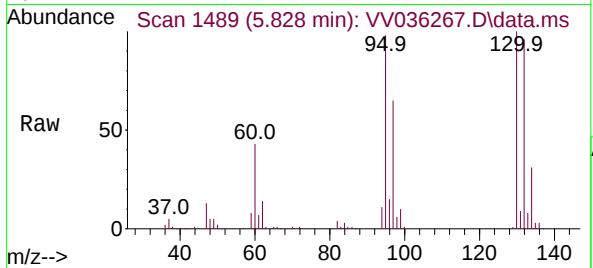
Tgt Ion: 78 Resp: 458024



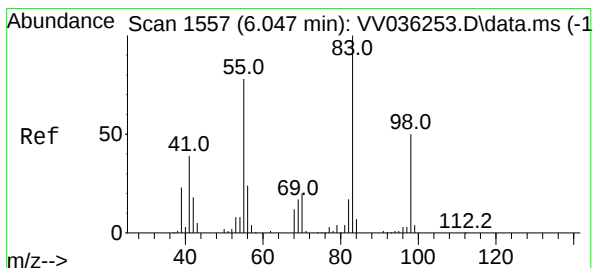
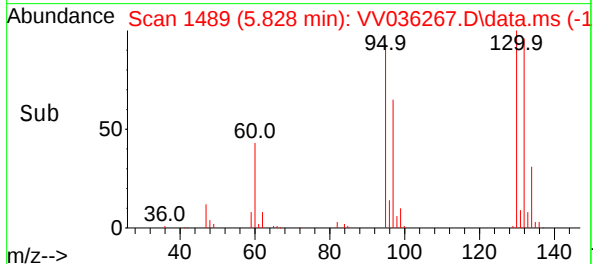
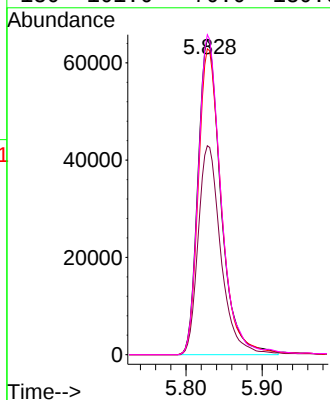


#34
Trichloroethene
Concen: 26.175 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Instrument :
MSVOA_V
ClientSampleId :

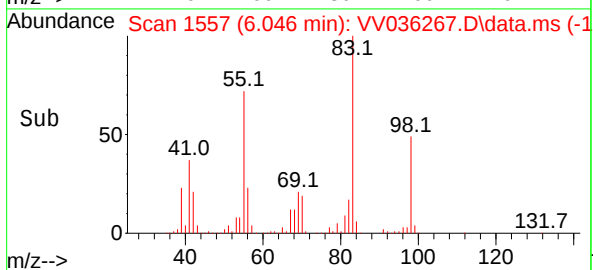
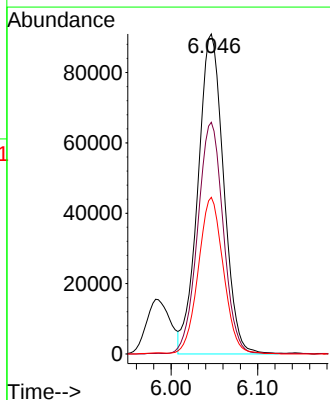
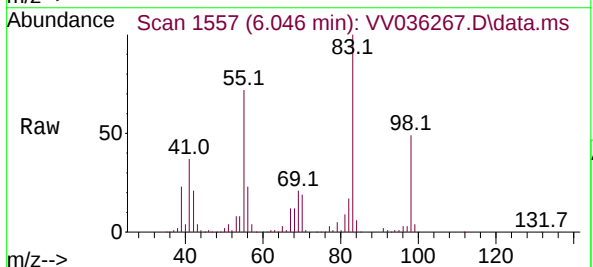


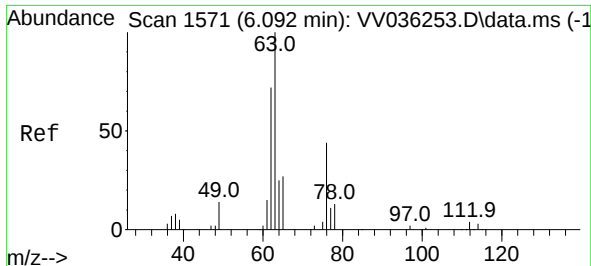
Tgt Ion: 95 Resp: 135643
Ion Ratio Lower Upper
95 100
97 66.3 44.8 83.2
132 97.1 66.8 124.2
130 101.6 70.0 130.0



#35
Methylcyclohexane
Concen: 26.152 ug/L
RT: 6.046 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Tgt Ion: 83 Resp: 187420
Ion Ratio Lower Upper
83 100
55 71.6 60.7 91.1
98 47.5 38.7 58.1

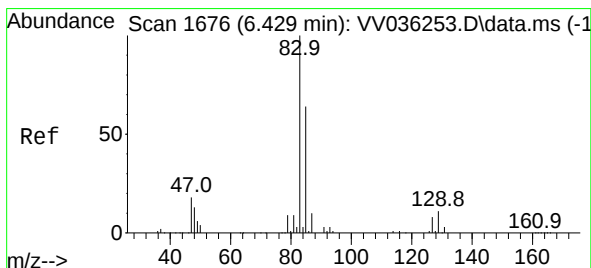
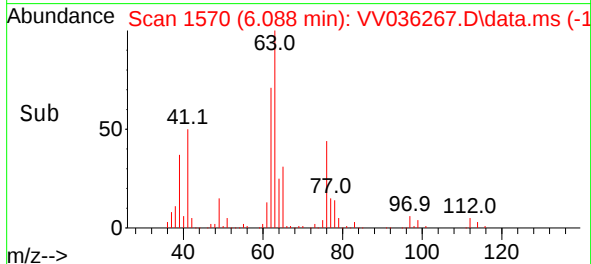
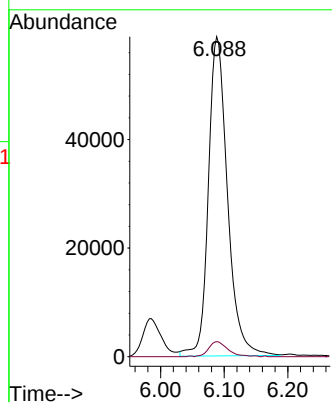
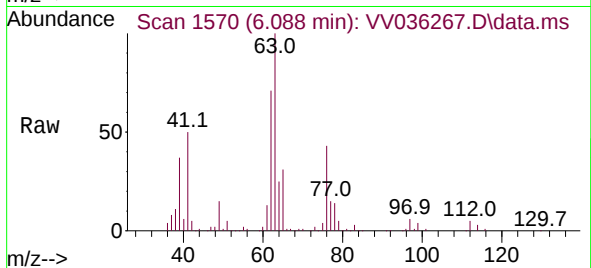




#37
1,2-Dichloropropane
Concen: 27.672 ug/L
RT: 6.088 min Scan# 1570
Delta R.T. -0.003 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

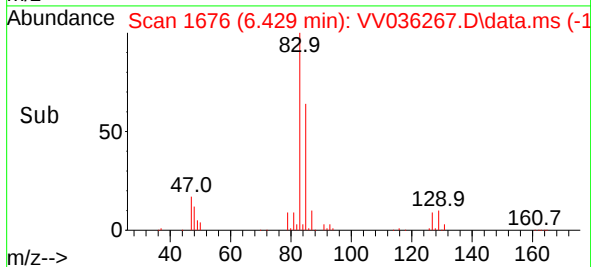
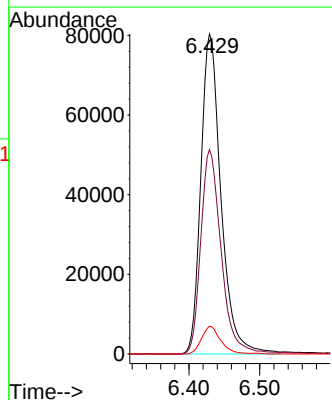
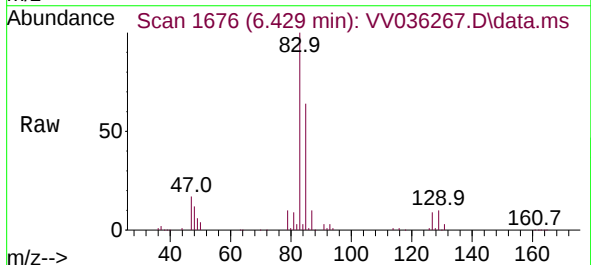
Instrument :
MSVOA_V
ClientSampleId :

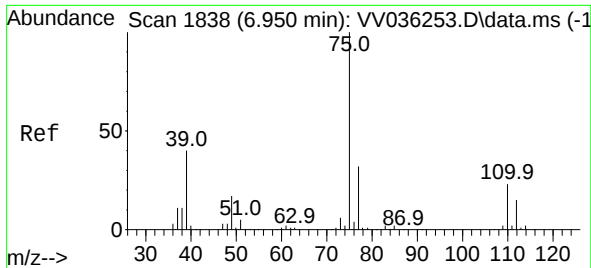
Tgt Ion: 63 Resp: 122858
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3



#38
Bromodichloromethane
Concen: 27.018 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Tgt Ion: 83 Resp: 158770
Ion Ratio Lower Upper
83 100
85 63.9 45.3 84.1
127 8.7 6.7 10.1

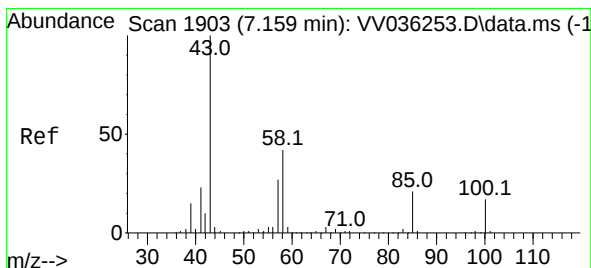
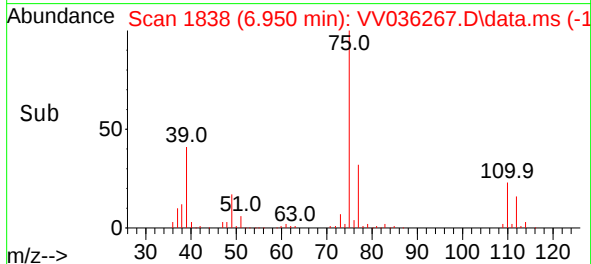
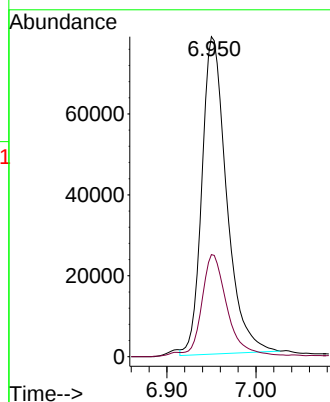
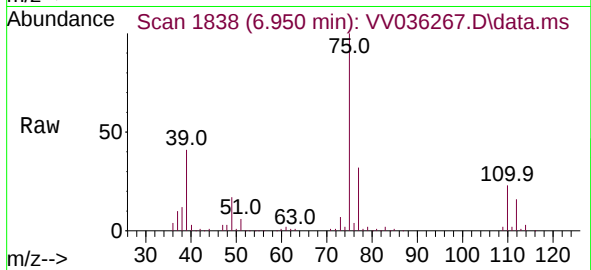




#39
 cis-1,3-Dichloropropene
 Concen: 22.787 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. -0.000 min
 Lab File: VV036267.D
 Acq: 25 Jun 2024 00:50

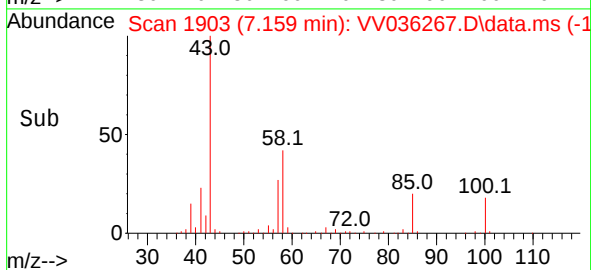
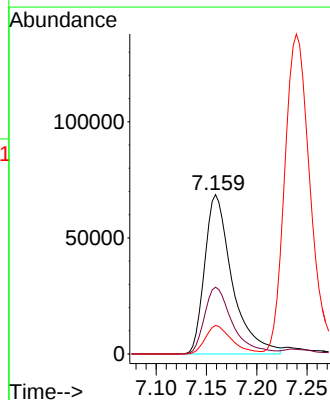
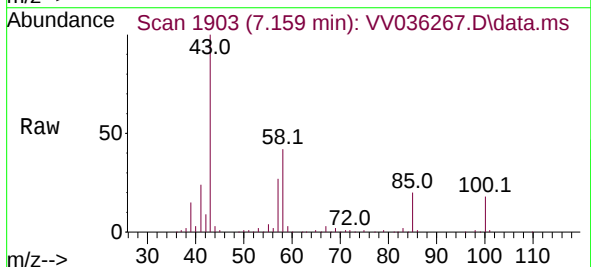
Instrument :
 MSVOA_V
 ClientSampleId :

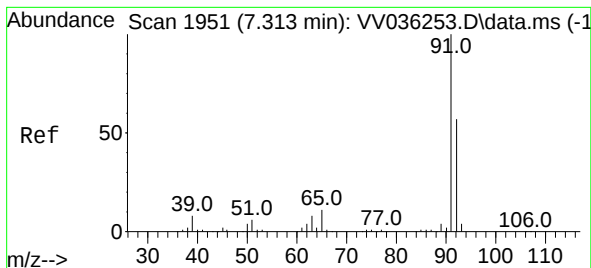
Tgt Ion: 75 Resp: 151322
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 54.186 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV036267.D
 Acq: 25 Jun 2024 00:50

Tgt Ion: 43 Resp: 130706
 Ion Ratio Lower Upper
 43 100
 58 42.5 32.5 48.7
 100 17.2 12.5 18.7





#42

Toluene

Concen: 27.709 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

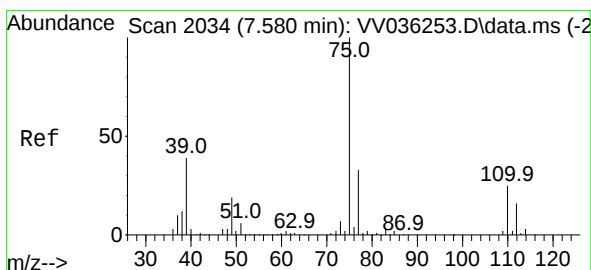
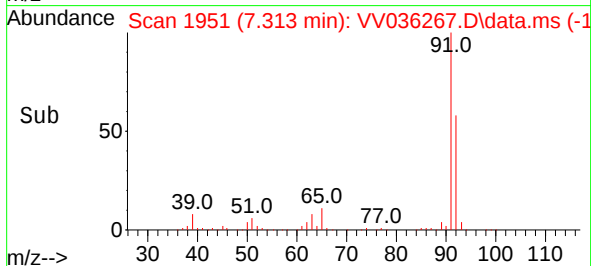
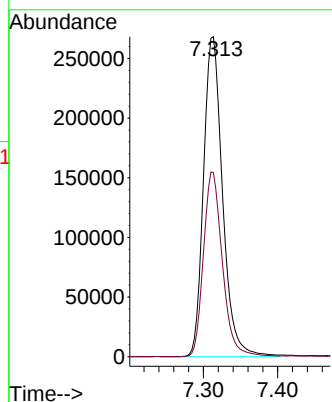
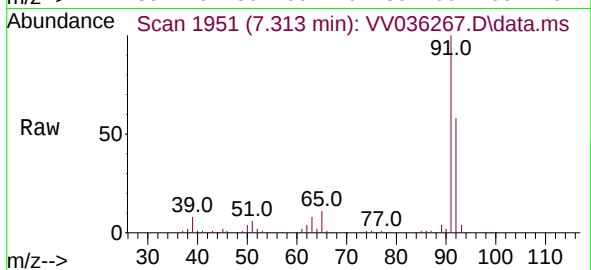
ClientSampleId :

Tgt Ion: 91 Resp: 478748

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 25.434 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. -0.000 min

Lab File: VV036267.D

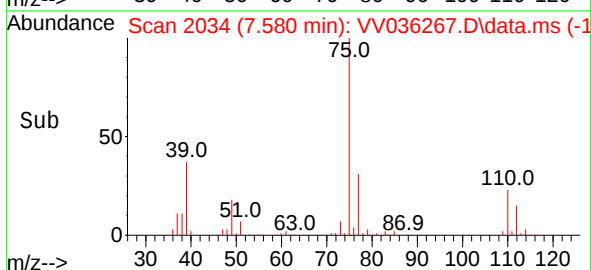
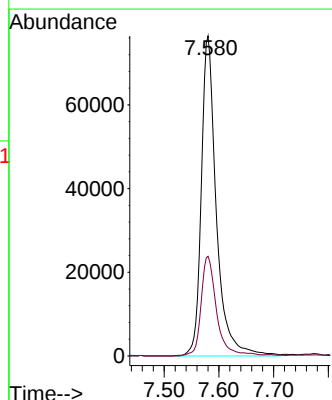
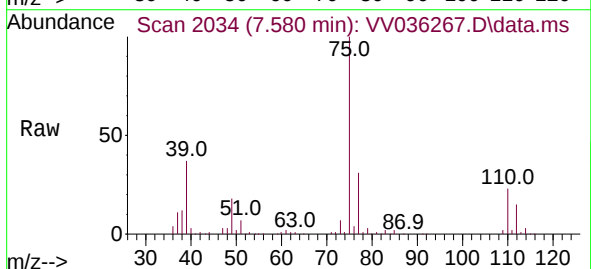
Acq: 25 Jun 2024 00:50

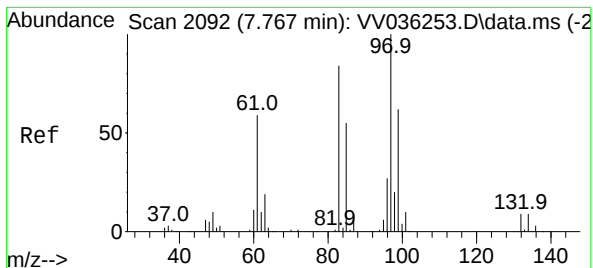
Tgt Ion: 75 Resp: 145887

Ion Ratio Lower Upper

75 100

77 31.2 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 27.326 ug/L

RT: 7.767 min Scan# 2092

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 100385

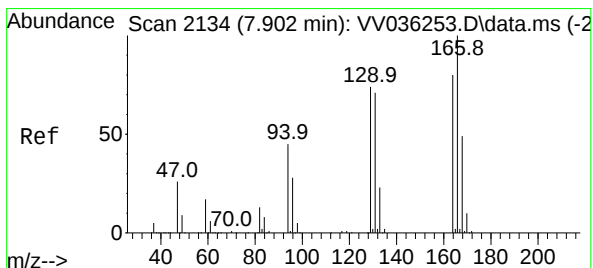
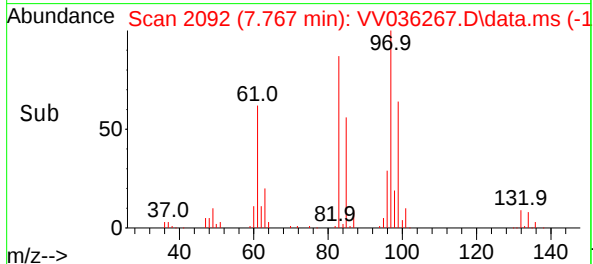
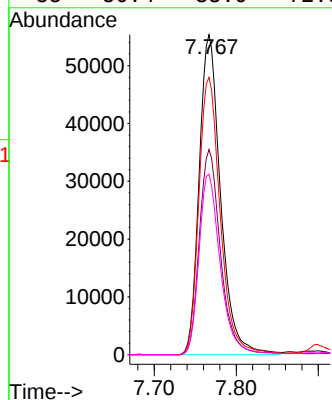
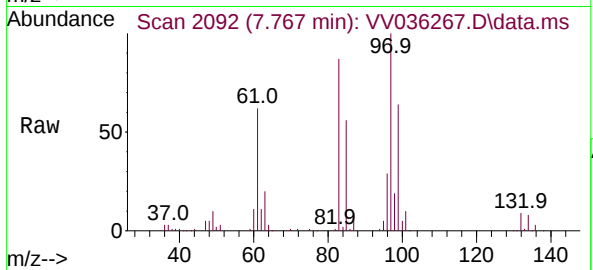
Ion Ratio Lower Upper

97 100

99 64.1 43.3 80.5

83 86.6 60.1 111.7

85 56.4 38.9 72.3



#46

Tetrachloroethene

Concen: 24.814 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Tgt Ion:164 Resp: 94047

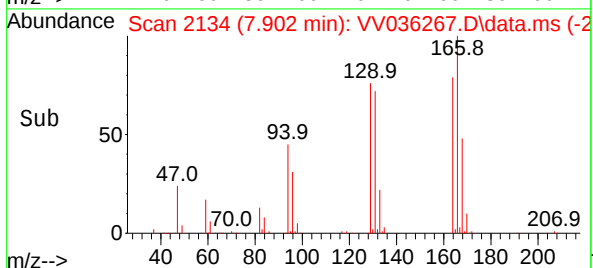
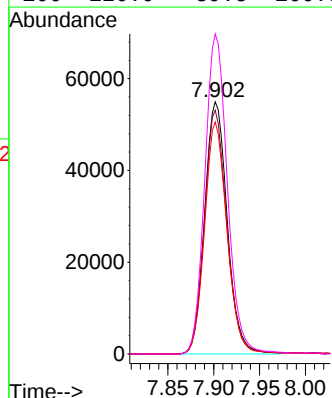
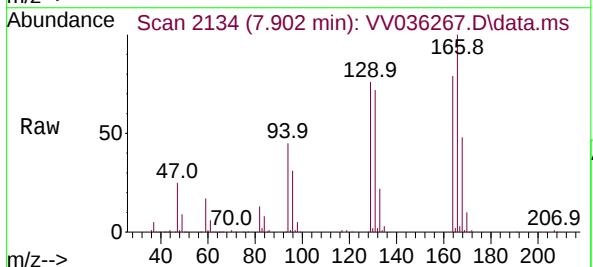
Ion Ratio Lower Upper

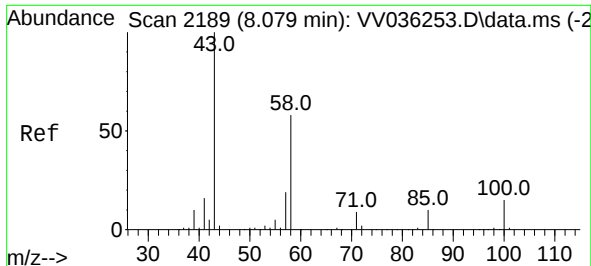
164 100

129 96.7 64.6 120.0

131 92.0 63.2 117.4

166 126.9 89.5 166.3





#48

2-Hexanone

Concen: 47.489 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.000 min

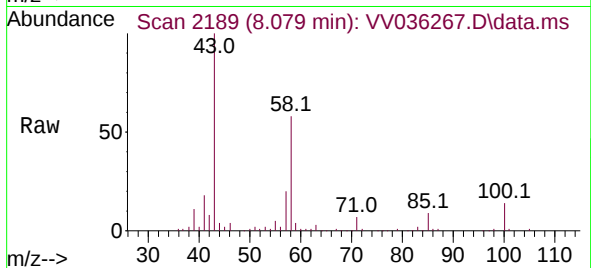
Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 89556

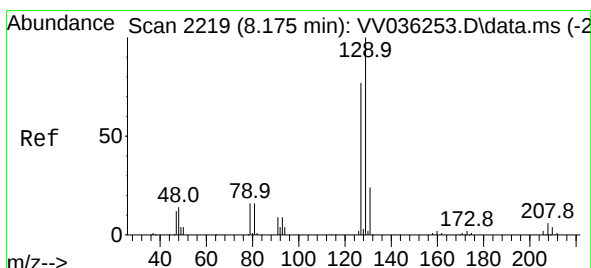
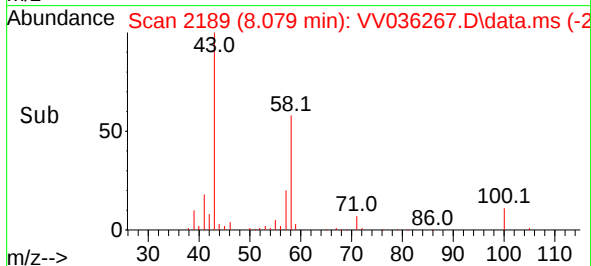
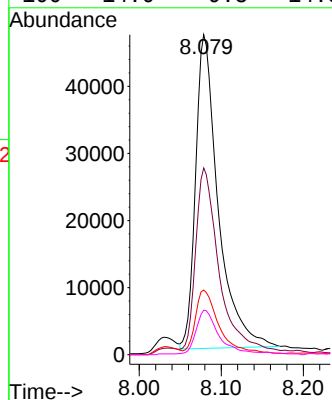
Ion Ratio Lower Upper

43 100

58 60.4 45.4 68.0

57 19.1 15.8 23.8

100 14.0 9.8 14.8



#49

Dibromochloromethane

Concen: 27.378 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. -0.000 min

Lab File: VV036267.D

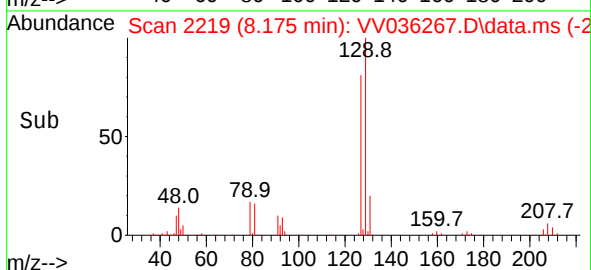
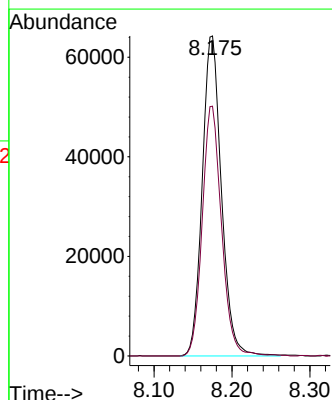
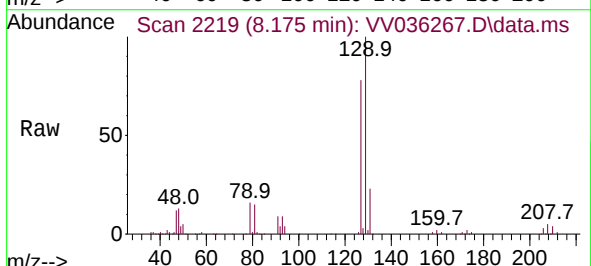
Acq: 25 Jun 2024 00:50

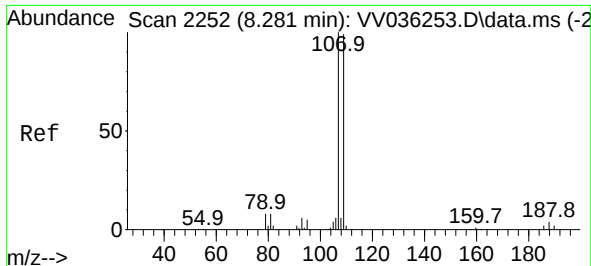
Tgt Ion: 129 Resp: 110073

Ion Ratio Lower Upper

129 100

127 78.1 53.9 100.1

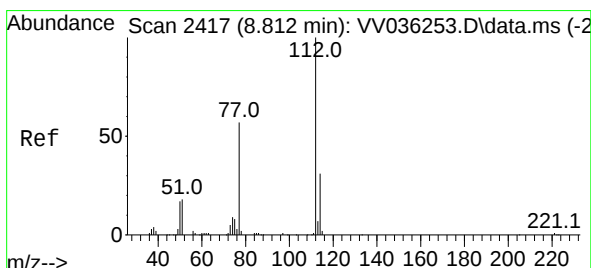
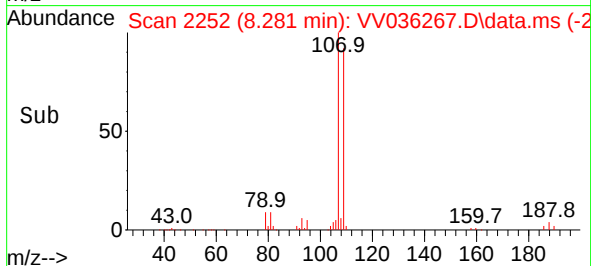
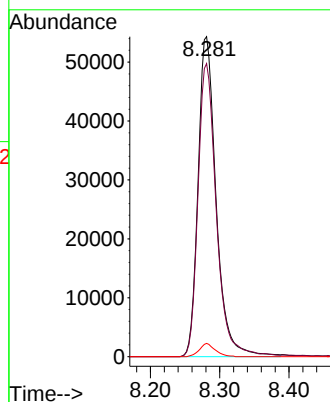
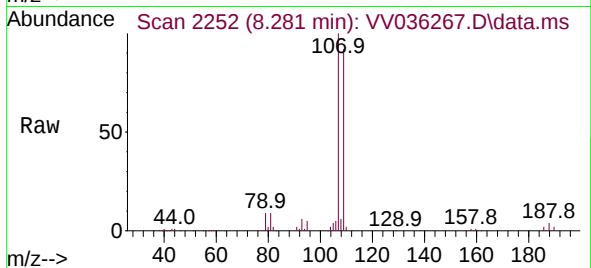




#50
1,2-Dibromoethane
Concen: 28.005 ug/L
RT: 8.281 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

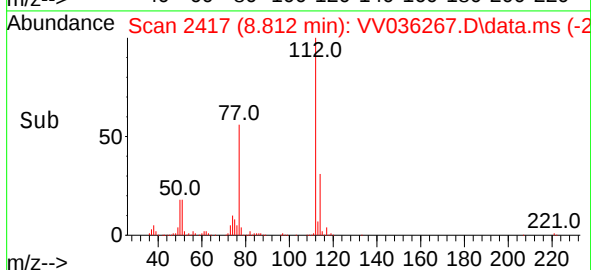
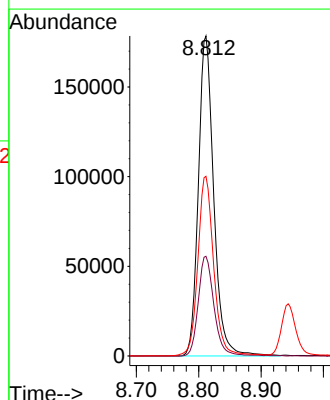
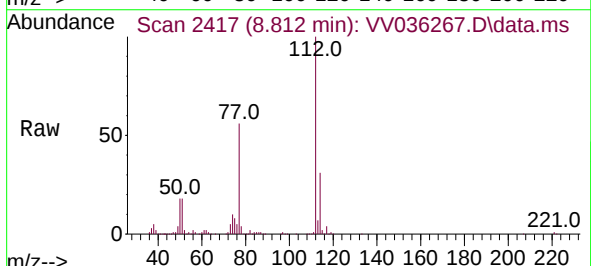
Instrument :
MSVOA_V
ClientSampleId :

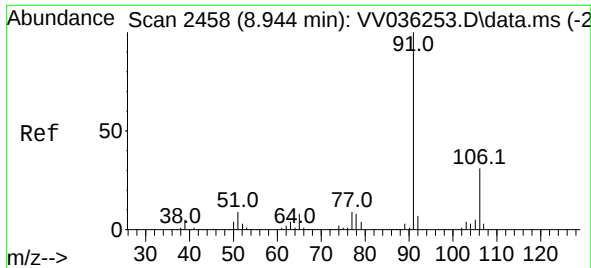
Tgt Ion:107 Resp: 98716
Ion Ratio Lower Upper
107 100
109 91.6 66.1 122.7
188 4.2 3.0 4.6



#51
Chlorobenzene
Concen: 25.965 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Tgt Ion:112 Resp: 305667
Ion Ratio Lower Upper
112 100
114 31.1 22.3 41.5
77 56.1 47.3 70.9

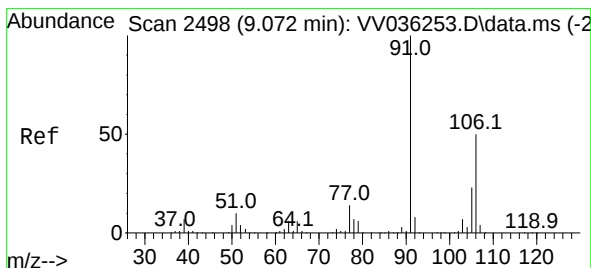
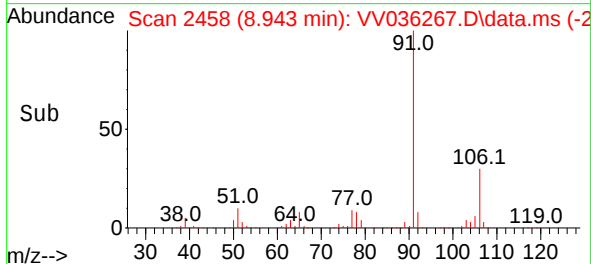
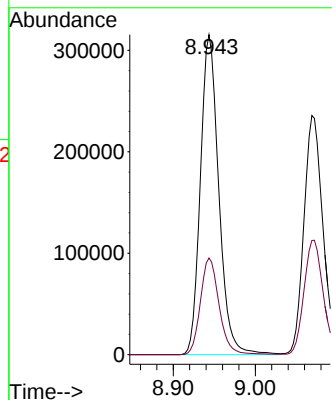
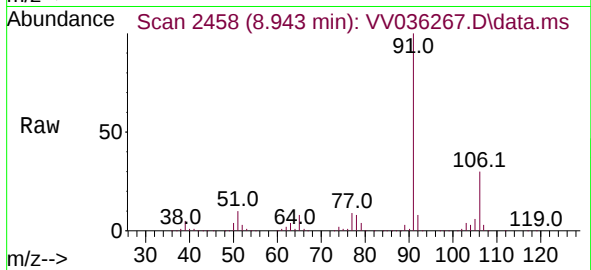




#52
Ethylbenzene
Concen: 26.570 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

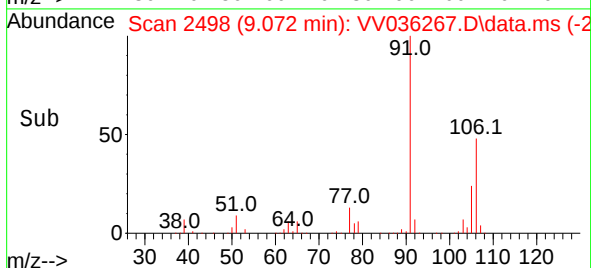
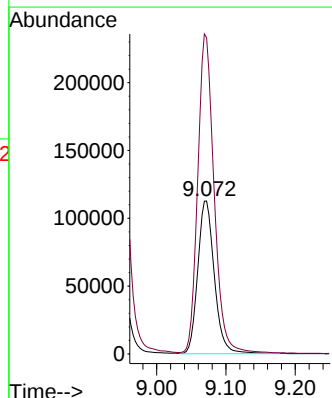
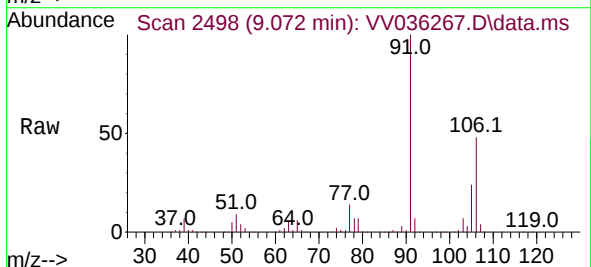
Instrument :
MSVOA_V
ClientSampleId :

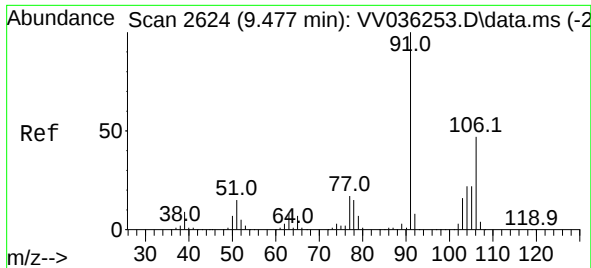
Tgt Ion: 91 Resp: 491150
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.0



#53
m,p-Xylene
Concen: 27.004 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Tgt Ion: 106 Resp: 187562
Ion Ratio Lower Upper
106 100
91 206.7 143.1 265.9

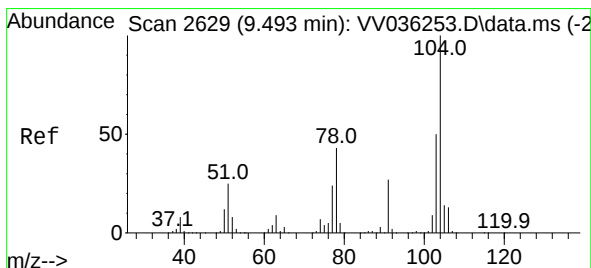
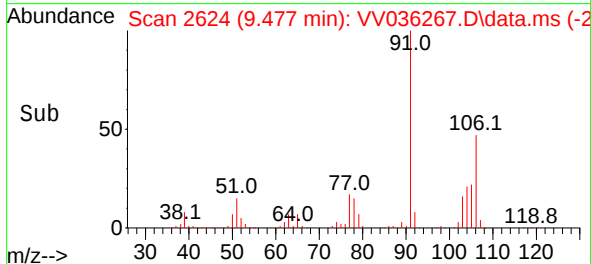
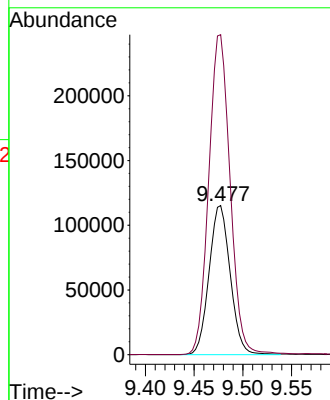
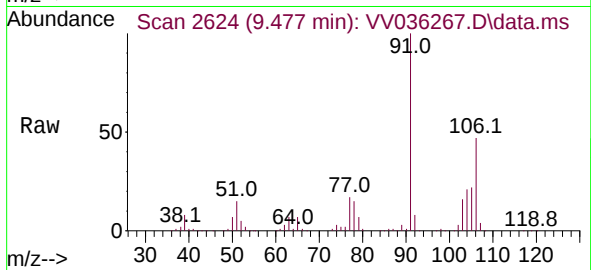




#54
o-Xylene
Concen: 26.553 ug/L
RT: 9.477 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

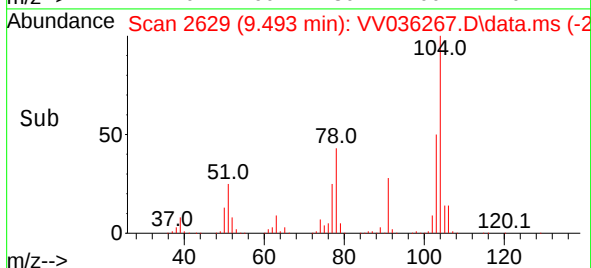
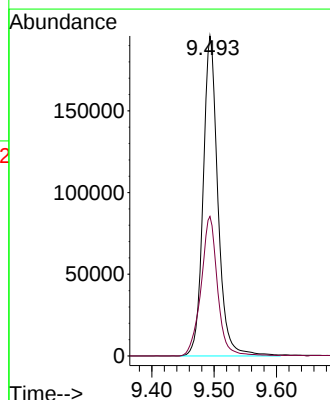
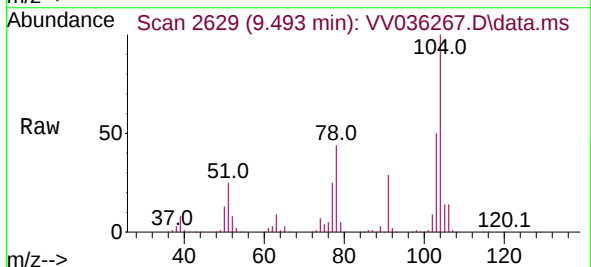
Instrument :
MSVOA_V
ClientSampleId :

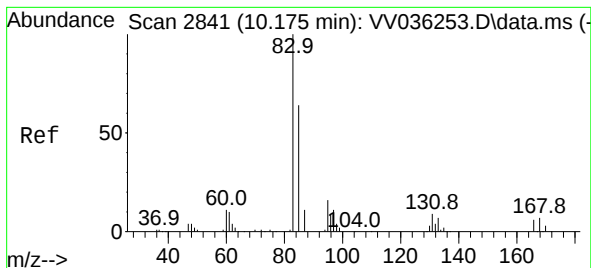
Tgt Ion:106 Resp: 173923
Ion Ratio Lower Upper
106 100
91 214.6 154.5 286.9



#55
Styrene
Concen: 28.002 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Tgt Ion:104 Resp: 323442
Ion Ratio Lower Upper
104 100
78 43.6 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 29.939 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :

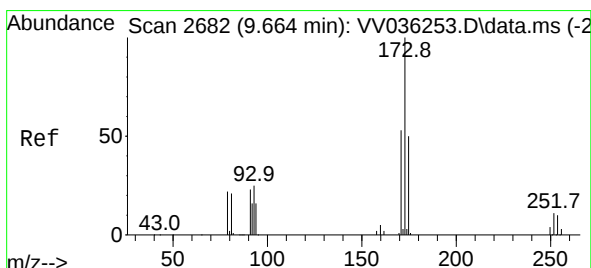
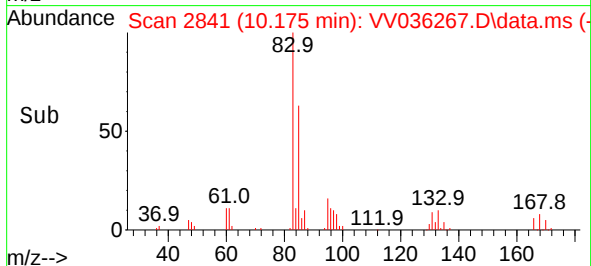
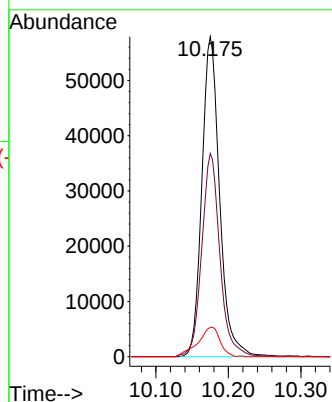
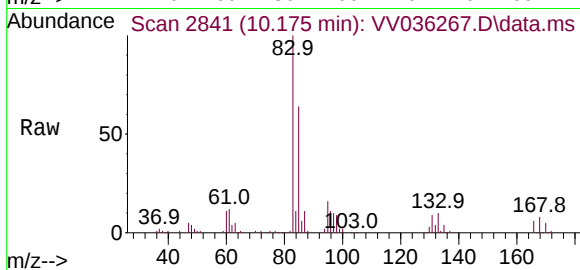
Tgt Ion: 83 Resp: 98482

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

131 9.2 7.6 11.4



#59

Bromoform

Concen: 29.395 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

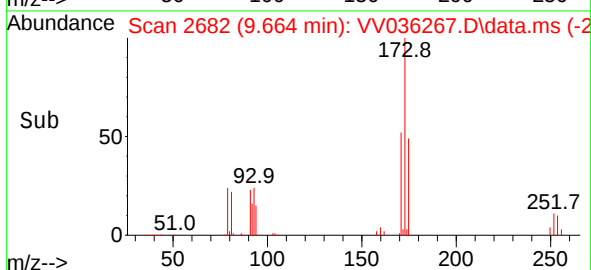
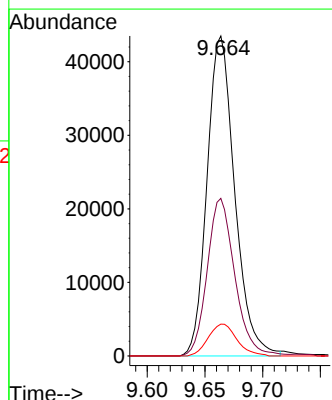
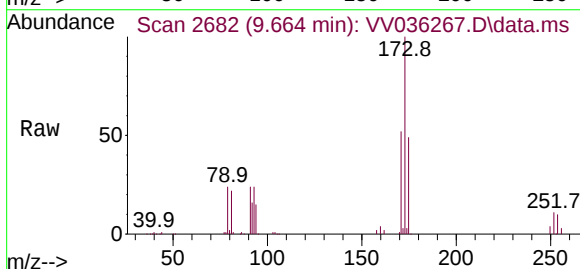
Tgt Ion: 173 Resp: 72515

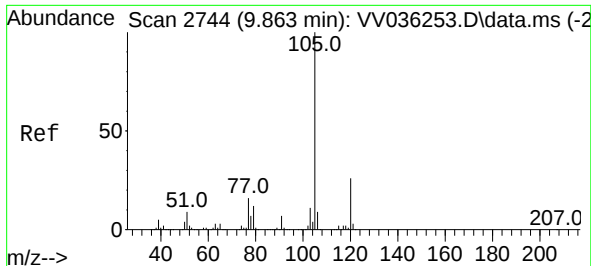
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

254 10.3 8.6 13.0

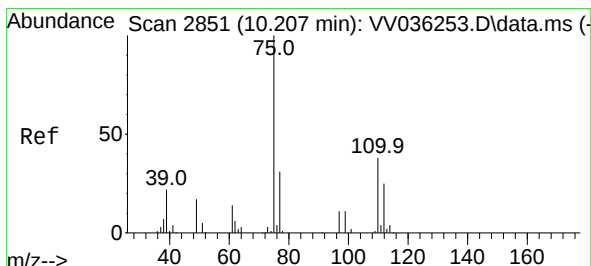
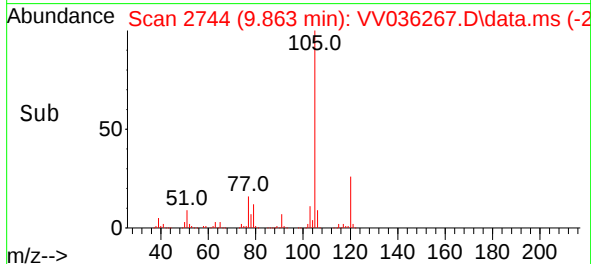
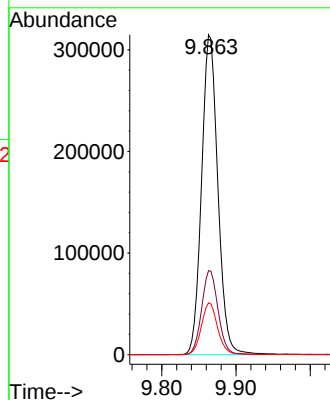
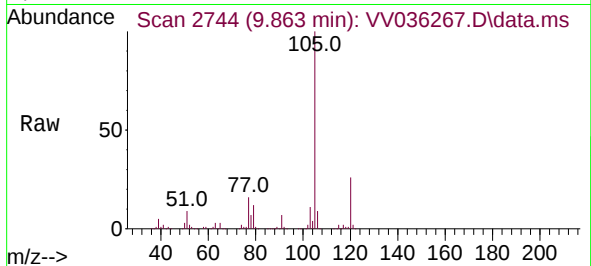




#60
Isopropylbenzene
Concen: 28.577 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

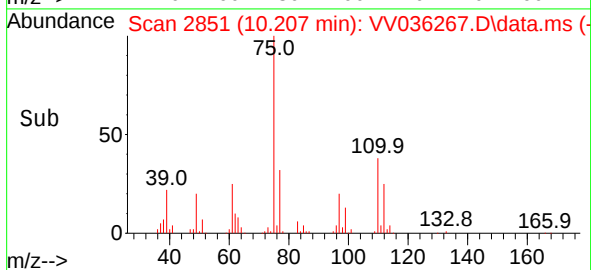
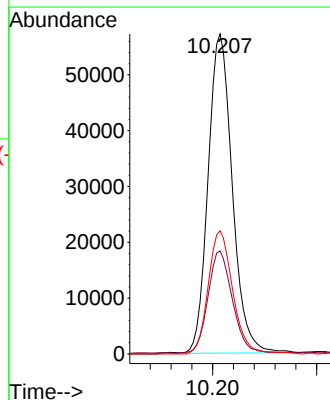
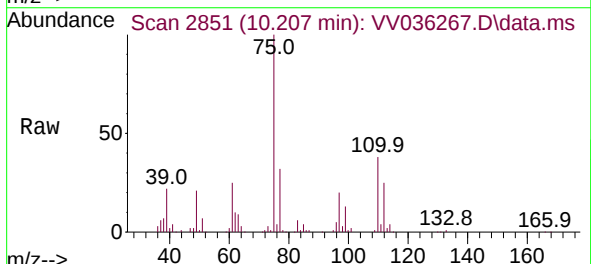
Instrument :
MSVOA_V
ClientSampleId :

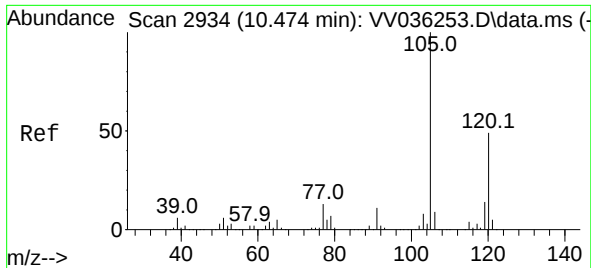
Tgt Ion:105 Resp: 479594
Ion Ratio Lower Upper
105 100
120 26.5 21.0 31.6
77 16.2 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 29.844 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Tgt Ion: 75 Resp: 92332
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
110 39.0 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 27.041 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

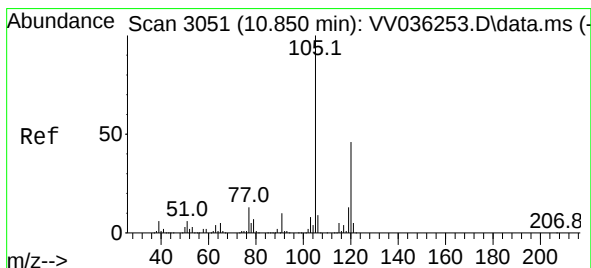
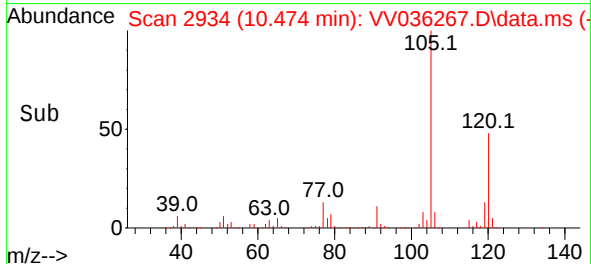
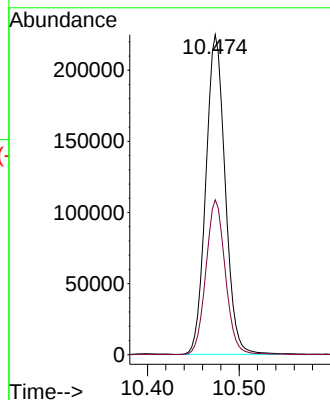
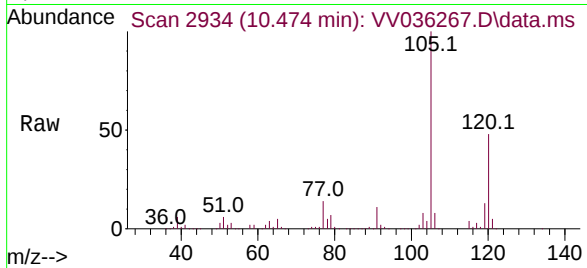
ClientSampleId :

Tgt Ion:105 Resp: 329073

Ion Ratio Lower Upper

105 100

120 48.6 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 27.316 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036267.D

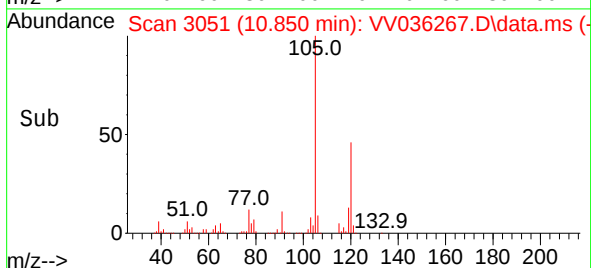
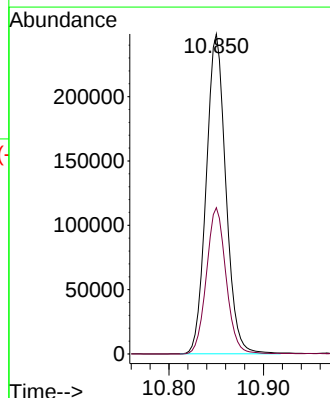
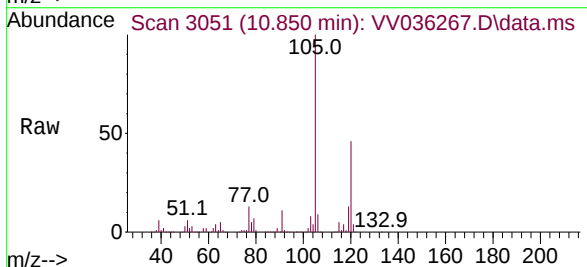
Acq: 25 Jun 2024 00:50

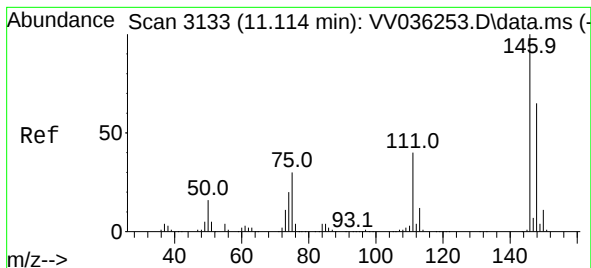
Tgt Ion:105 Resp: 358160

Ion Ratio Lower Upper

105 100

120 45.8 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 26.529 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :

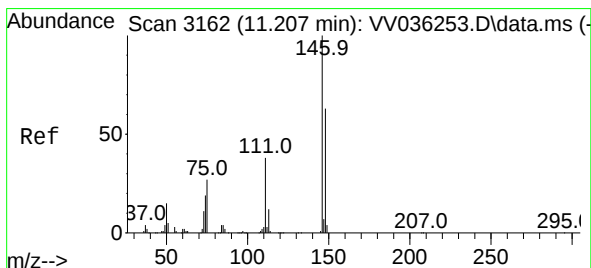
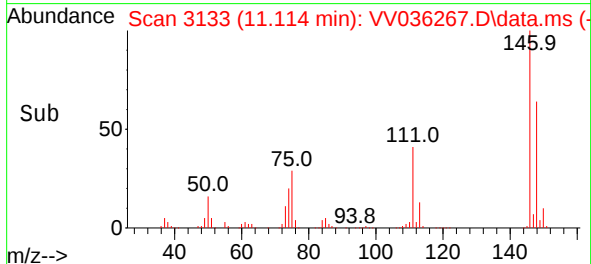
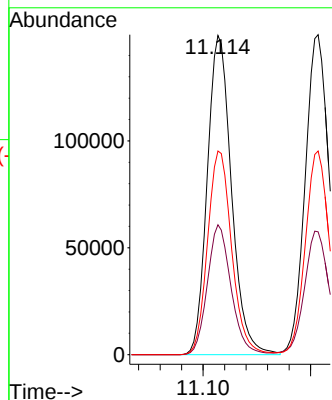
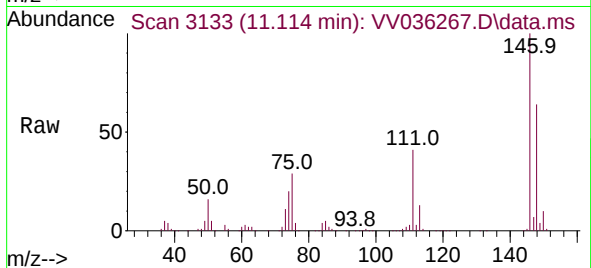
Tgt Ion:146 Resp: 233817

Ion Ratio Lower Upper

146 100

111 40.7 28.1 52.1

148 63.8 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 26.352 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

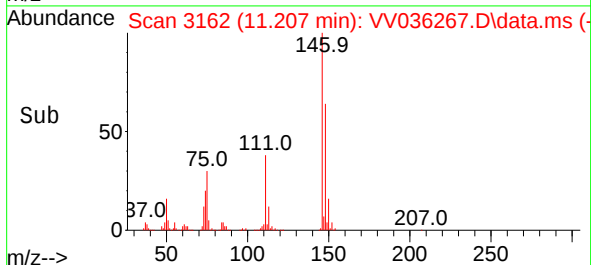
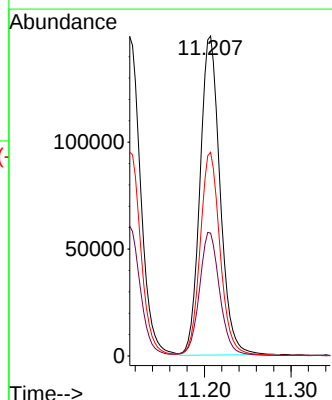
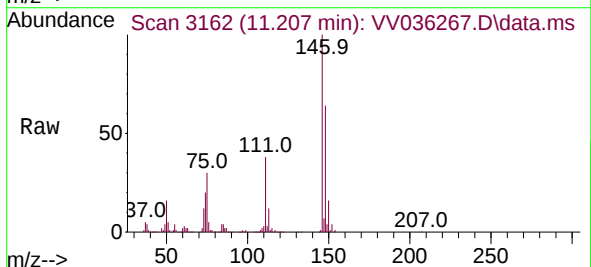
Tgt Ion:146 Resp: 239721

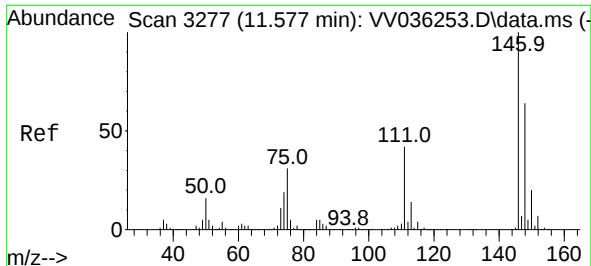
Ion Ratio Lower Upper

146 100

111 38.4 26.9 50.1

148 63.6 44.5 82.7

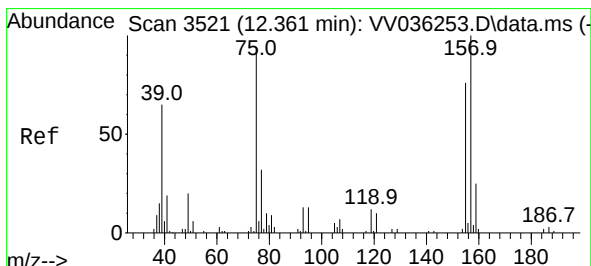
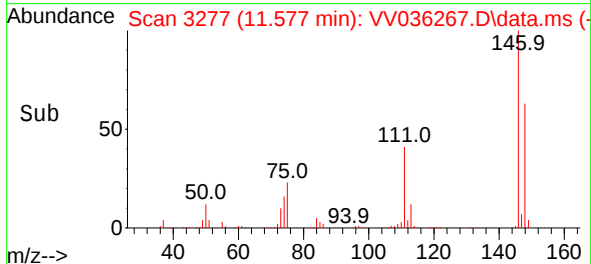
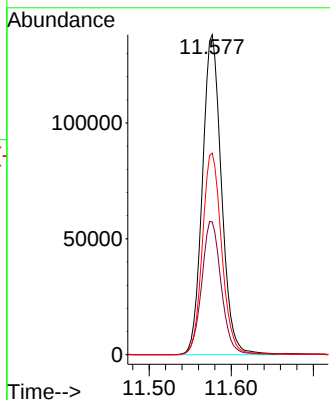
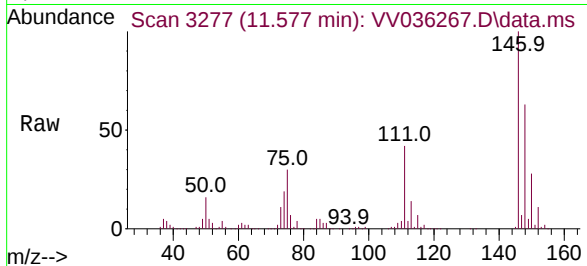




#67
1,2-Dichlorobenzene
Concen: 26.866 ug/L
RT: 11.577 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

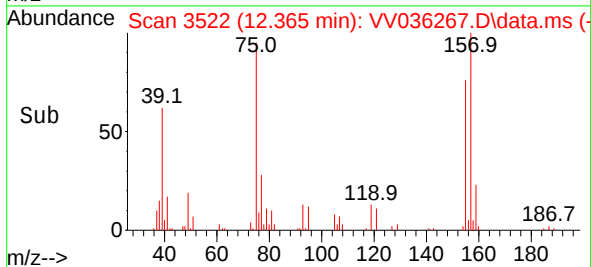
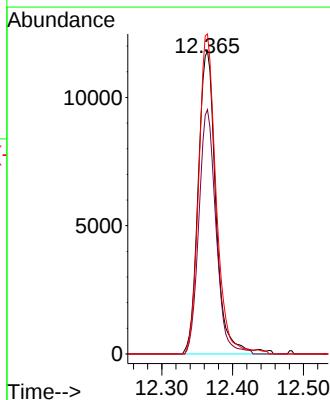
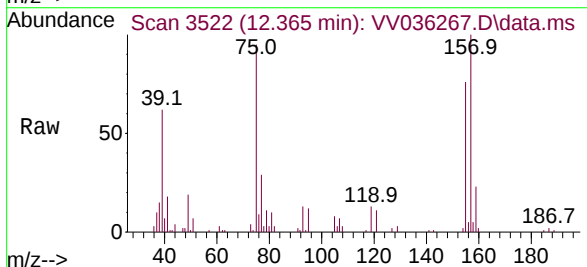
Instrument :
MSVOA_V
ClientSampleId :

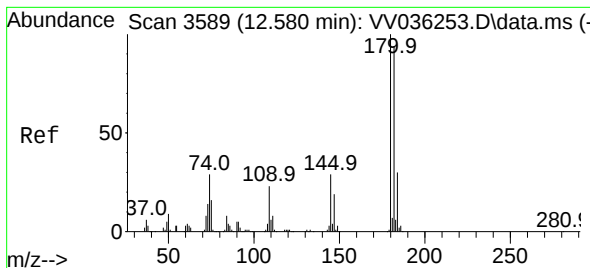
Tgt Ion:146 Resp: 222820
Ion Ratio Lower Upper
146 100
111 41.5 33.5 50.3
148 63.0 50.9 76.3



#68
1,2-Dibromo-3-chloropropane
Concen: 29.639 ug/L
RT: 12.365 min Scan# 3522
Delta R.T. 0.003 min
Lab File: VV036267.D
Acq: 25 Jun 2024 00:50

Tgt Ion: 75 Resp: 20505
Ion Ratio Lower Upper
75 100
155 80.6 63.3 94.9
157 105.6 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 21.928 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

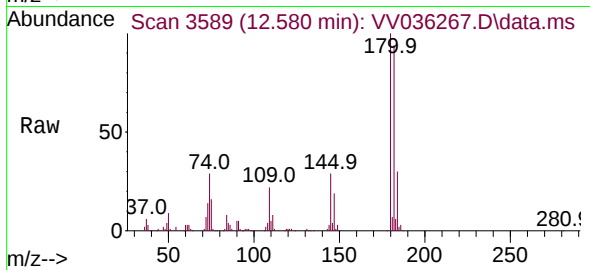
Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 144562

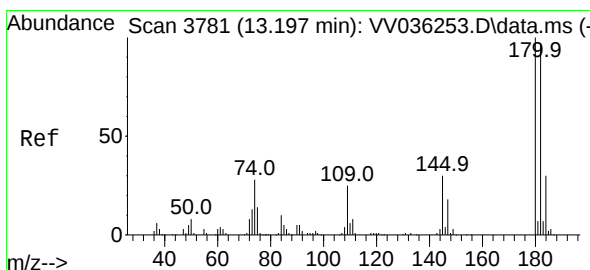
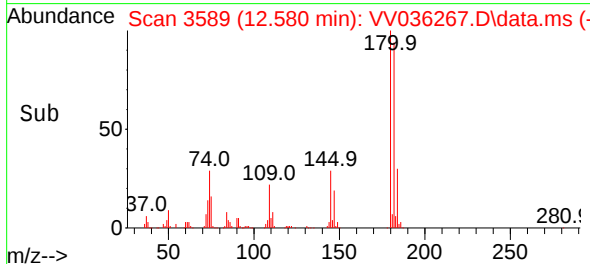
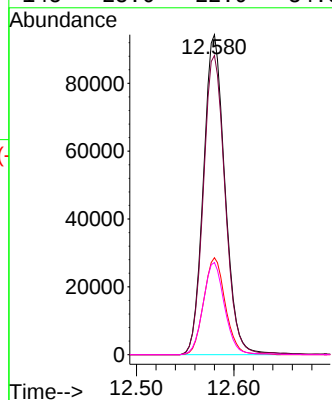
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

184 30.2 24.2 36.2

145 28.6 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 20.650 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. -0.003 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

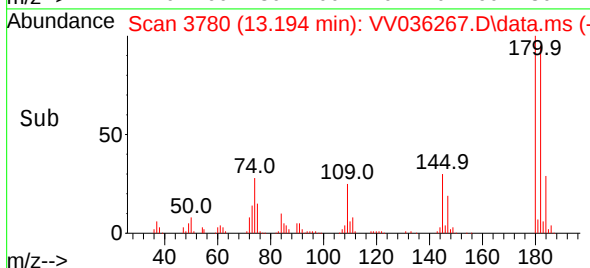
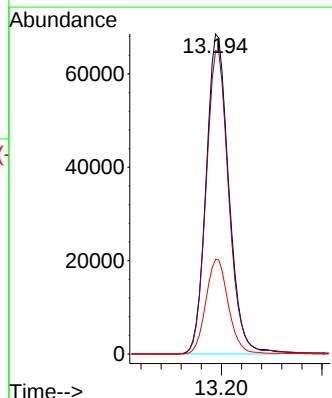
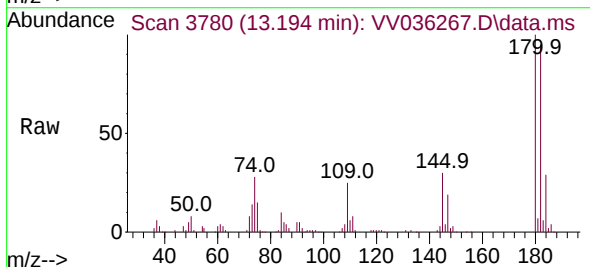
Tgt Ion:180 Resp: 107193

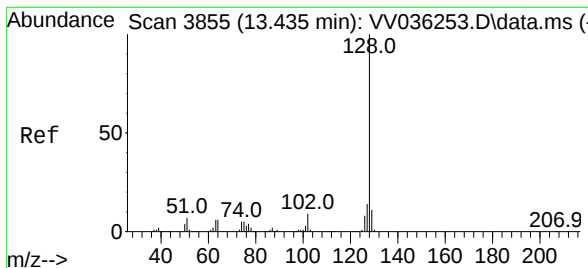
Ion Ratio Lower Upper

180 100

182 94.9 76.1 114.1

145 29.5 23.5 35.3





#71

Naphthalene

Concen: 25.170 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Instrument :

MSVOA_V

ClientSampleId :

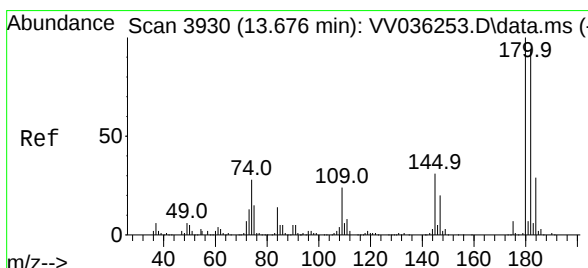
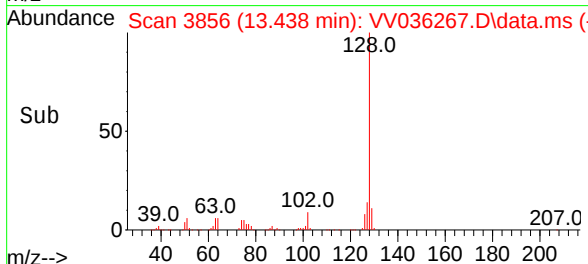
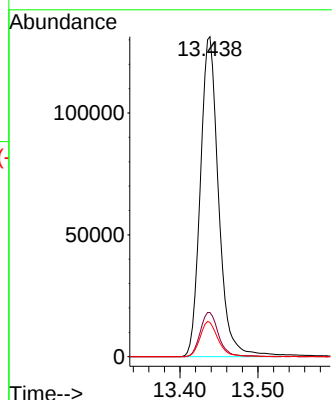
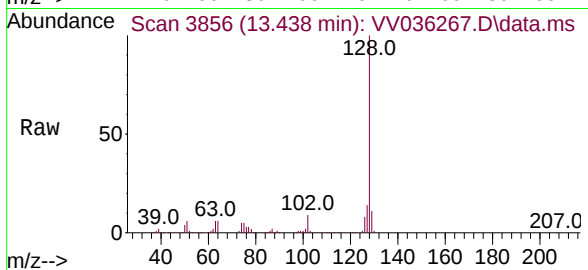
Tgt Ion:128 Resp: 213221

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 10.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 23.133 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. -0.000 min

Lab File: VV036267.D

Acq: 25 Jun 2024 00:50

Tgt Ion:180 Resp: 109576

Ion Ratio Lower Upper

180 100

182 96.2 75.1 112.7

145 31.2 25.2 37.8

