

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061024\
 Data File : VV036027.D
 Acq On : 10 Jun 2024 14:45
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 11 05:06:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 05:03:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	252990	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	216971	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	101209	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	136530	29.354	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.400%
7) Chloroethane-d5	1.529	69	106425	28.696	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.800%
11) 1,1-Dichloroethene-d2	2.056	65	60219	29.083	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	116.320%#
21) 2-Butanone-d5	3.805	46	22659	21.233	ug/L	-0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	42.460%
24) Chloroform-d	4.243	84	196522	24.434	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.720%
26) 1,2-Dichloroethane-d4	4.940	65	81461	19.317	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.280%
32) Benzene-d6	4.956	84	397162	30.794	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	123.160%
36) 1,2-Dichloropropane-d6	5.985	67	106642	26.257	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.040%
41) Toluene-d8	7.239	98	331421	29.124	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.480%
43) trans-1,3-Dichloroprop...	7.554	79	36511	21.925	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.680%
47) 2-Hexanone-d5	8.034	63	16263	29.554	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.100%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	61169	20.154	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.600%
66) 1,2-Dichlorobenzene-d4	11.557	152	90615	24.415	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	137749	30.197	ug/L	99
3) Chloromethane	1.214	50	145016	27.701	ug/L	99
5) Vinyl chloride	1.281	62	172445	31.289	ug/L	97
6) Bromomethane	1.484	94	90551	26.485	ug/L	99
8) Chloroethane	1.548	64	100561	29.355	ug/L	99
9) Trichlorofluoromethane	1.712	101	232191	33.925	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	146769	33.789	ug/L	99
12) 1,1-Dichloroethene	2.066	96	125304	30.930	ug/L	95
13) Acetone	2.223	43	2584	1.554	ug/L	92
14) Carbon disulfide	2.236	76	405363	28.814	ug/L	100
15) Methyl Acetate	2.375	43	31791	15.386	ug/L	95
16) Methylene chloride	2.442	84	147550	25.775	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	117845	27.383	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	159523	16.512	ug/L	98
19) 1,1-Dichloroethane	3.108	63	217151	26.496	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	106614	24.655	ug/L	97
22) 2-Butanone	3.889	43	33065	23.442	ug/L #	80
23) Bromochloromethane	4.143	128	44462	20.498	ug/L	97
25) Chloroform	4.272	83	204655	24.276	ug/L	100

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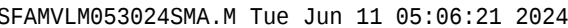
Instrument :
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 ClientSampleId :

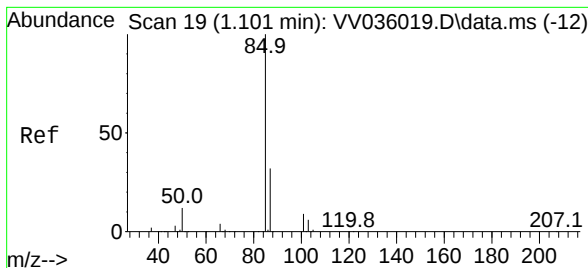
Quant Time: Jun 11 05:06:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 05:03:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	103898	19.740	ug/L	100
29) Cyclohexane	4.577	56	202730	39.243	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	210868	35.550	ug/L	99
31) Carbon tetrachloride	4.728	117	192017	36.900	ug/L	100
33) Benzene	5.005	78	443817	31.276	ug/L	100
34) Trichloroethene	5.828	95	129614	29.802	ug/L	99
35) Methylcyclohexane	6.043	83	230911	38.392	ug/L	99
37) 1,2-Dichloropropane	6.088	63	103337	27.733	ug/L	100
38) Bromodichloromethane	6.429	83	124877	25.320	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	130478	23.412	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	63454	31.344	ug/L	100
42) Toluene	7.310	91	449243	30.982	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	102124	21.215	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	64759	21.005	ug/L	96
46) Tetrachloroethene	7.902	164	102563	32.244	ug/L	98
48) 2-Hexanone	8.079	43	43552	27.518	ug/L	95
49) Dibromochloromethane	8.172	129	72594	21.514	ug/L	95
50) 1,2-Dibromoethane	8.281	107	59647	20.163	ug/L	99
51) Chlorobenzene	8.812	112	254457	25.755	ug/L	99
52) Ethylbenzene	8.943	91	453065	29.204	ug/L	99
53) m,p-Xylene	9.069	106	167956	28.813	ug/L	99
54) o-Xylene	9.474	106	146681	26.683	ug/L	96
55) Styrene	9.493	104	248260	25.610	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	58074	21.036	ug/L	98
59) Bromoform	9.664	173	41063	21.514	ug/L	98
60) Isopropylbenzene	9.863	105	459820	35.413	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	50243	20.990	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	284133	30.177	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	290515	28.638	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	180751	26.507	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	173225	24.612	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	153629	23.942	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	9987	18.658	ug/L	100
69) 1,3,5-Trichlorobenzene	12.580	180	118133	23.160	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	77721	19.352	ug/L	99
71) Naphthalene	13.438	128	85324	13.018	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	64179	17.512	ug/L	98

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

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Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:03:54 2024
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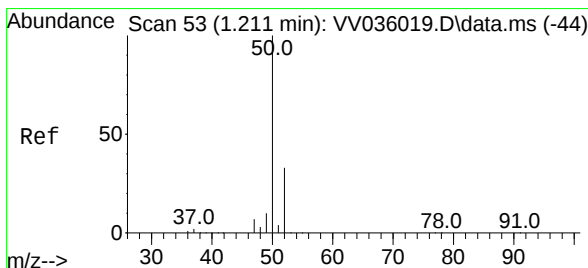
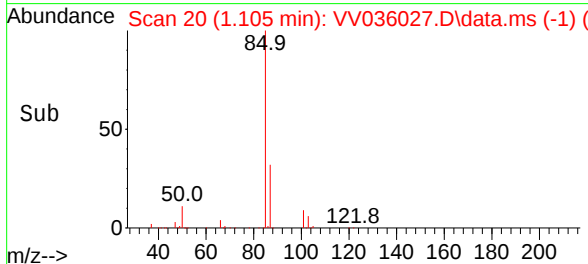
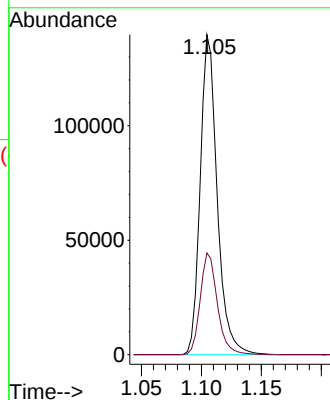
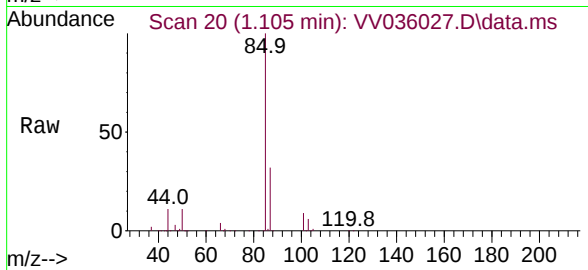




#2
 Dichlorodifluoromethane
 Concen: 30.197 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VV036027.D
 Acq: 10 Jun 2024 14:45

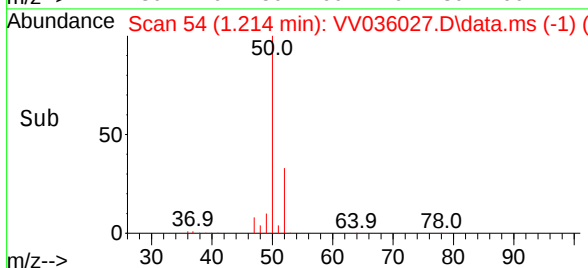
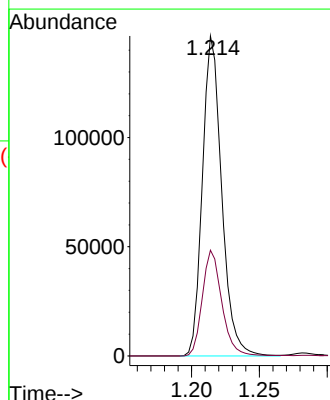
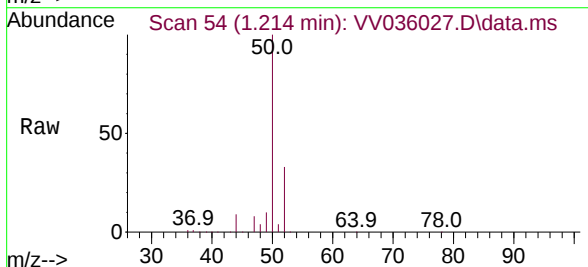
Instrument :
 MSVOA_V
 ClientSampleId :

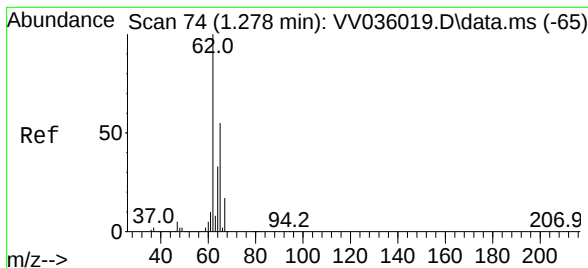
Tgt Ion: 85 Resp: 137749
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.9 38.9



#3
 Chloromethane
 Concen: 27.701 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. 0.003 min
 Lab File: VV036027.D
 Acq: 10 Jun 2024 14:45

Tgt Ion: 50 Resp: 145016
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.8 42.4





#5

Vinyl chloride

Concen: 31.289 ug/L

RT: 1.281 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

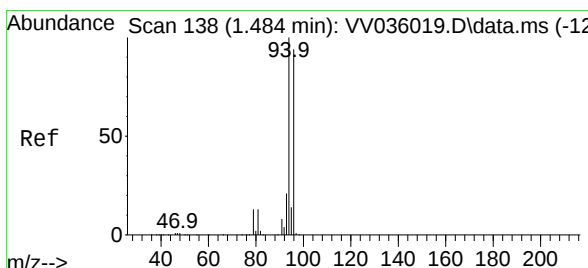
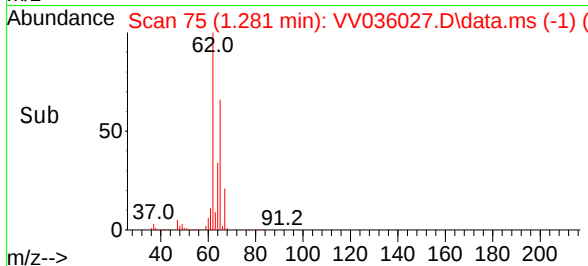
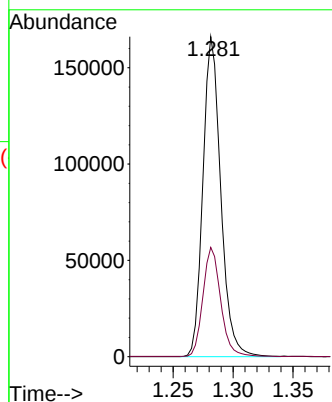
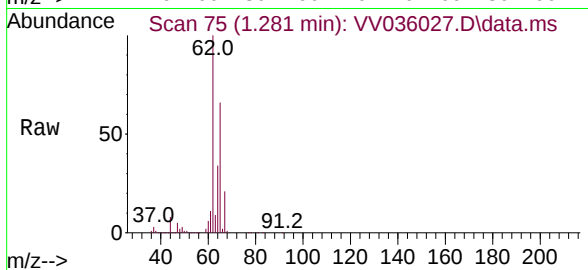
ClientSampleId :

Tgt Ion: 62 Resp: 172445

Ion Ratio Lower Upper

62 100

64 34.1 22.9 42.5



#6

Bromomethane

Concen: 26.485 ug/L

RT: 1.484 min Scan# 138

Delta R.T. -0.000 min

Lab File: VV036027.D

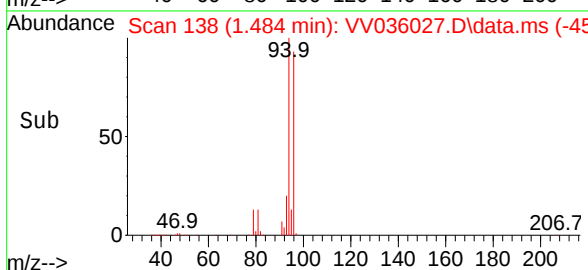
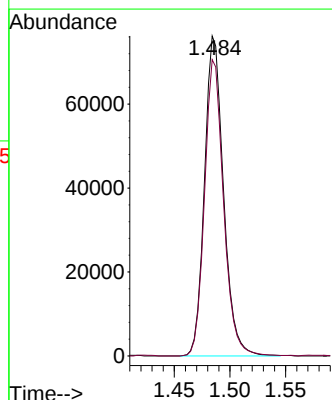
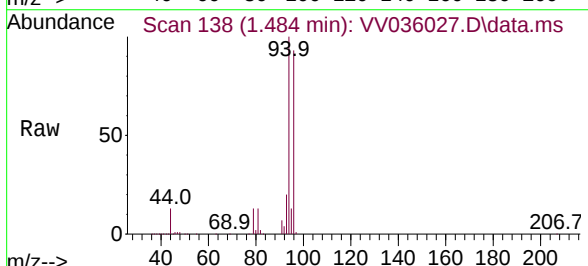
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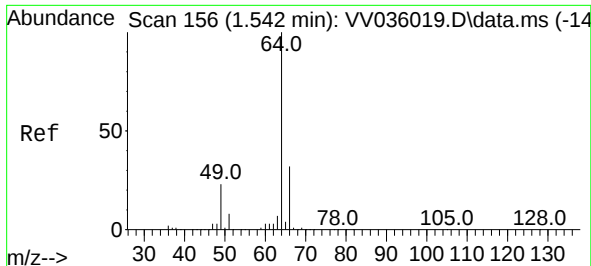
Tgt Ion: 94 Resp: 90551

Ion Ratio Lower Upper

94 100

96 92.6 65.7 122.1

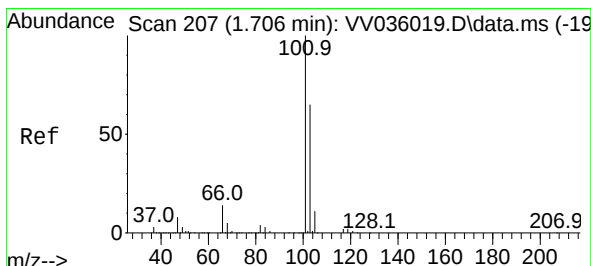
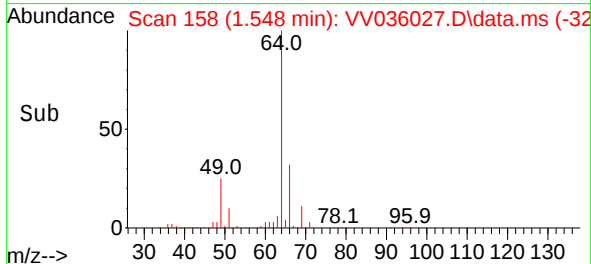
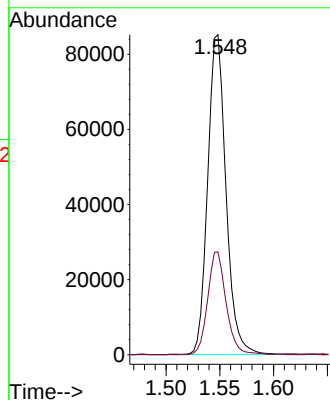
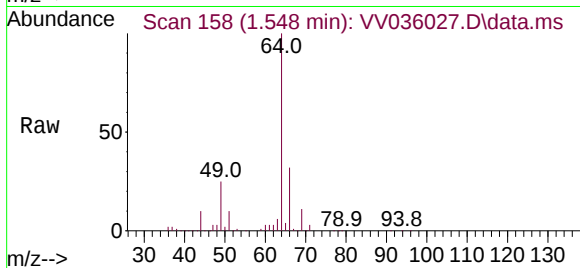




#8
Chloroethane
Concen: 29.355 ug/L
RT: 1.548 min Scan# 156
Delta R.T. 0.006 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

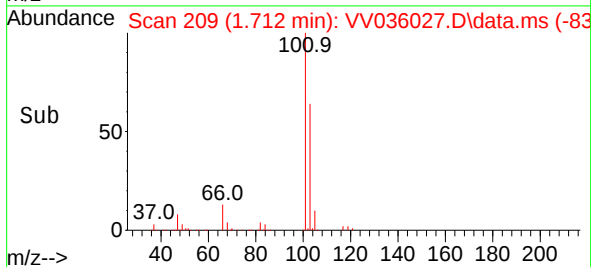
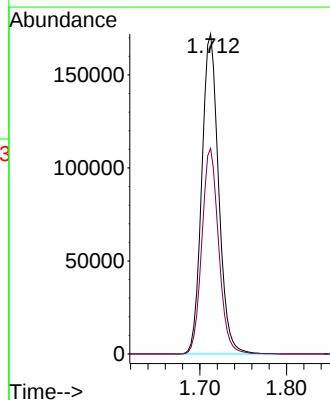
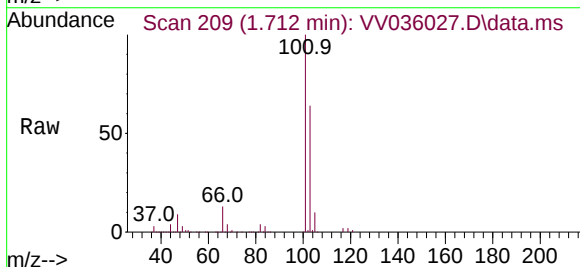
Instrument :
MSVOA_V
ClientSampleId :

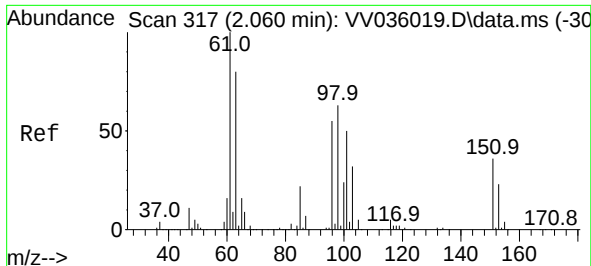
Tgt Ion: 64 Resp: 100561
Ion Ratio Lower Upper
64 100
66 32.1 22.0 41.0



#9
Trichlorofluoromethane
Concen: 33.925 ug/L
RT: 1.712 min Scan# 209
Delta R.T. 0.006 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt Ion:101 Resp: 232191
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8





#10

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

Concen: 33.789 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.006 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :

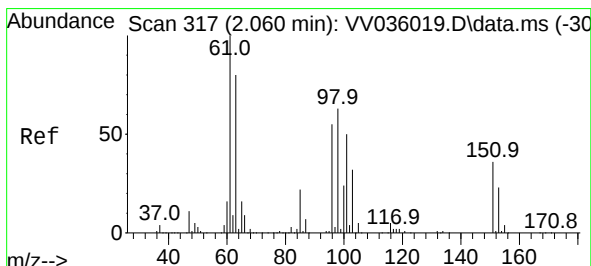
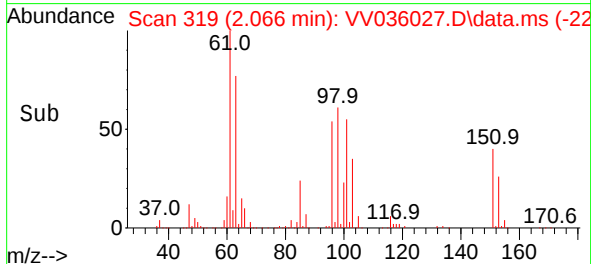
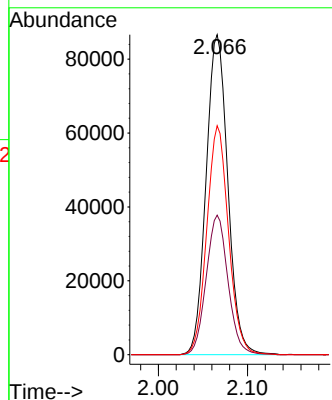
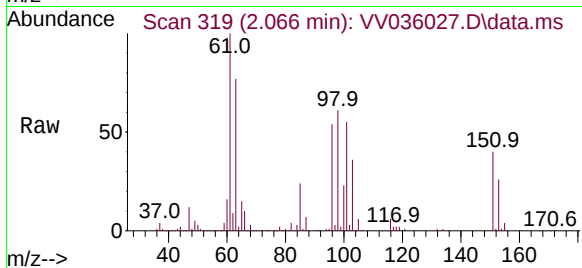
Tgt Ion:101 Resp: 146769

Ion Ratio Lower Upper

101 100

85 43.7 34.5 51.7

151 71.5 56.3 84.5



#12

1,1-Dichloroethene

Concen: 30.930 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.006 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

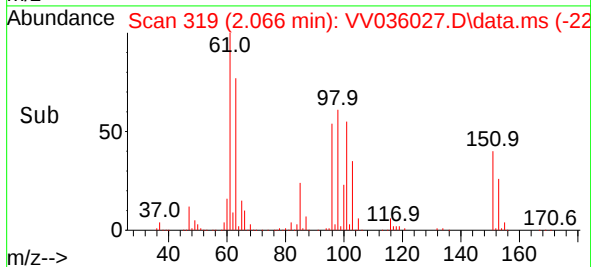
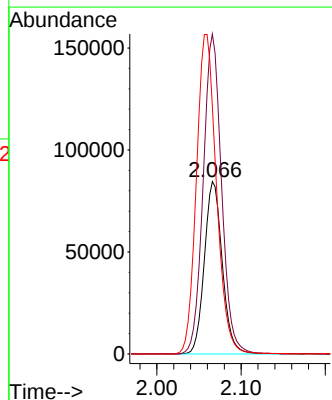
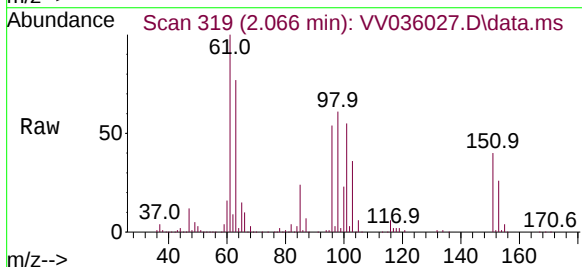
Tgt Ion: 96 Resp: 125304

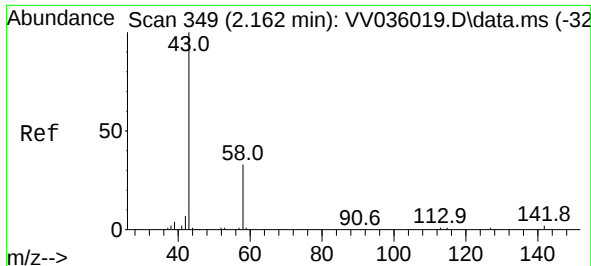
Ion Ratio Lower Upper

96 100

61 185.7 127.3 236.3

63 143.6 93.7 173.9





#13

Acetone

Concen: 1.554 ug/L

RT: 2.223 min Scan# 3

Delta R.T. 0.061 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

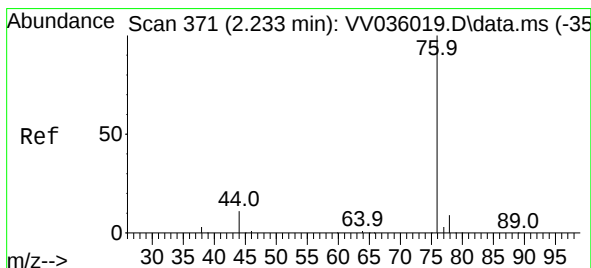
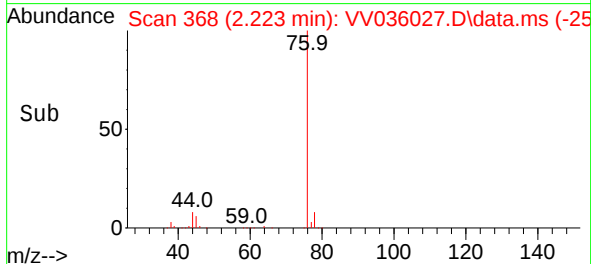
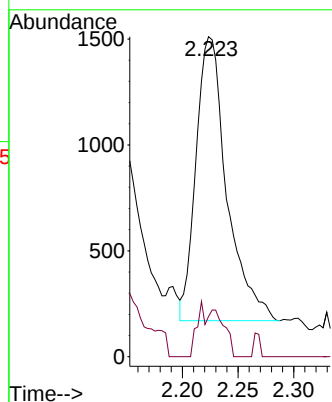
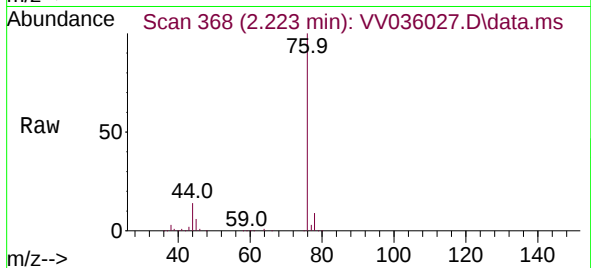
ClientSampleId :

Tgt Ion: 43 Resp: 2584

Ion Ratio Lower Upper

43 100

58 9.0 0.0 24.2



#14

Carbon disulfide

Concen: 28.814 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV036027.D

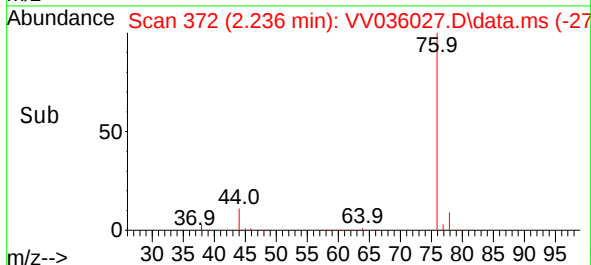
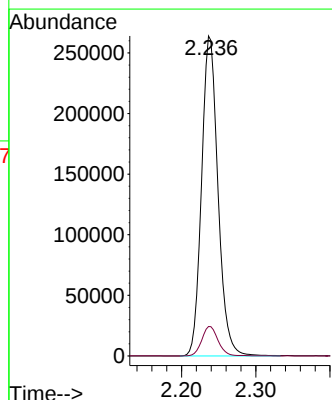
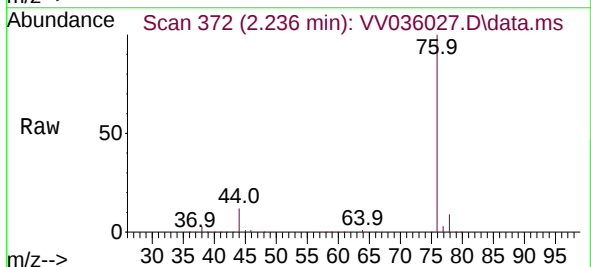
Acq: 10 Jun 2024 14:45

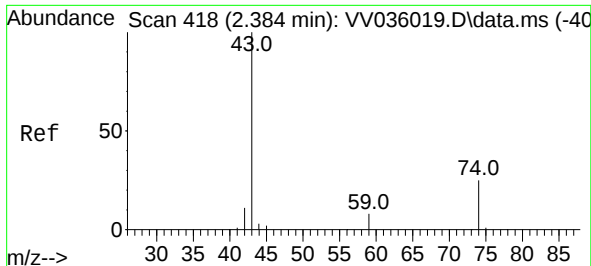
Tgt Ion: 76 Resp: 405363

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methyl Acetate

Concen: 15.386 ug/L

RT: 2.375 min Scan# 41

Delta R.T. -0.010 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

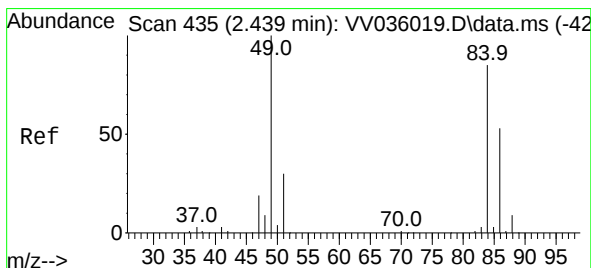
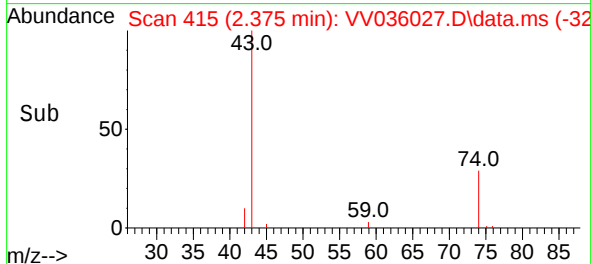
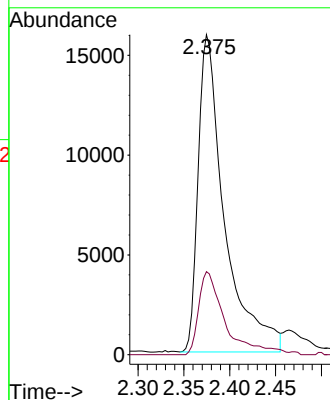
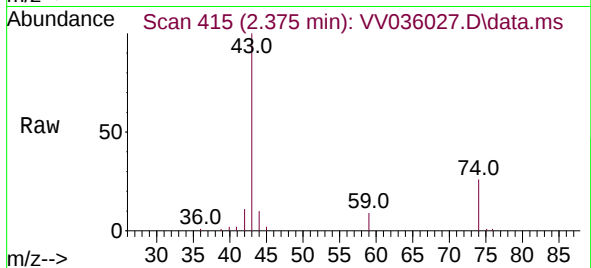
ClientSampleId :

Tgt Ion: 43 Resp: 31791

Ion Ratio Lower Upper

43 100

74 24.0 21.4 32.2



#16

Methylene chloride

Concen: 25.775 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

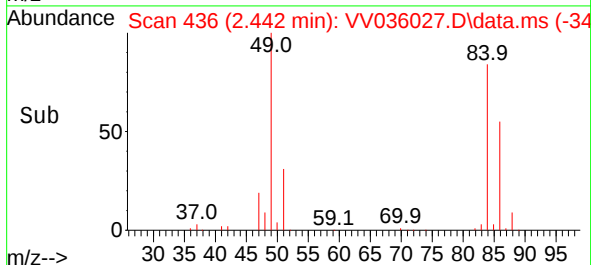
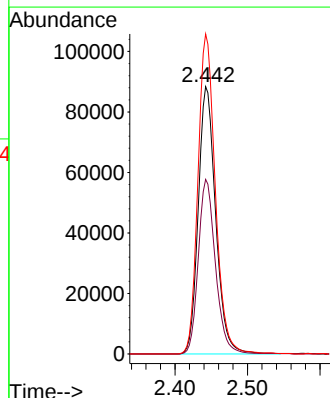
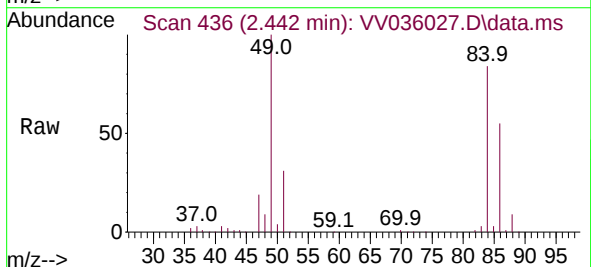
Tgt Ion: 84 Resp: 147550

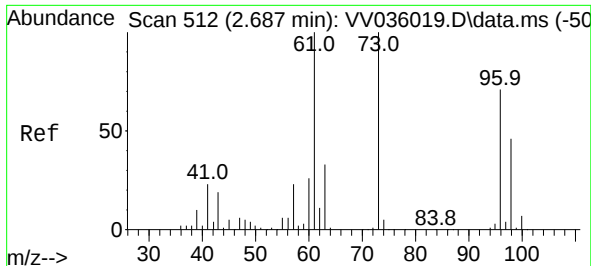
Ion Ratio Lower Upper

84 100

86 65.3 44.6 82.8

49 119.7 81.1 150.5

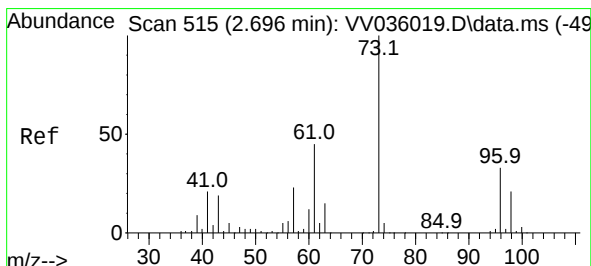
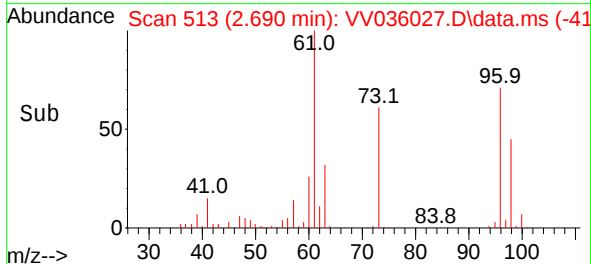
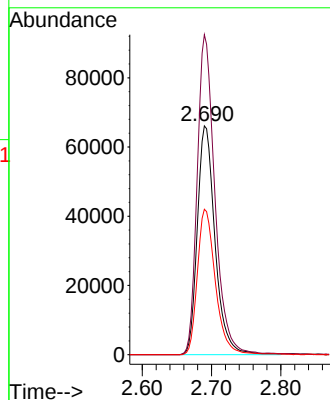
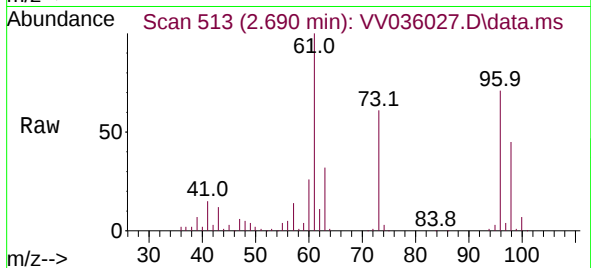




#17
trans-1,2-Dichloroethene
Concen: 27.383 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

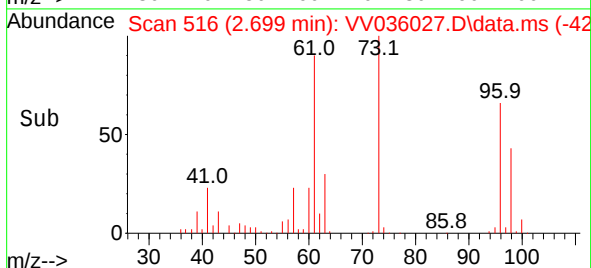
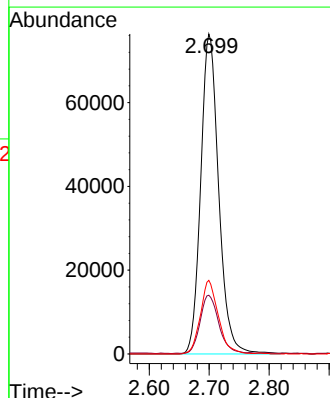
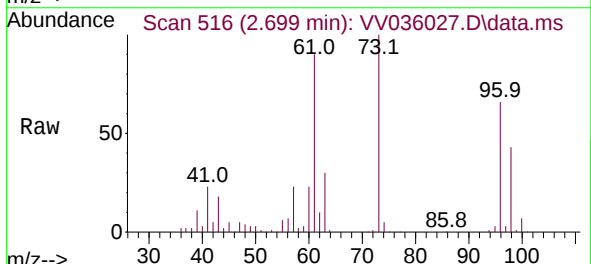
Instrument :
MSVOA_V
ClientSampleId :

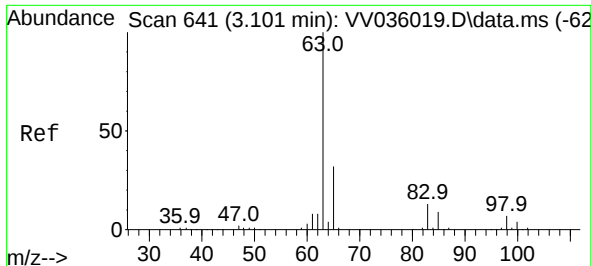
Tgt Ion: 96 Resp: 117845
Ion Ratio Lower Upper
96 100
61 139.9 99.4 184.6
98 63.6 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 16.512 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt Ion: 73 Resp: 159523
Ion Ratio Lower Upper
73 100
43 18.7 14.3 21.5
57 22.9 17.8 26.6





#19

1,1-Dichloroethane

Concen: 26.496 ug/L

RT: 3.108 min Scan# 641

Delta R.T. 0.006 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :

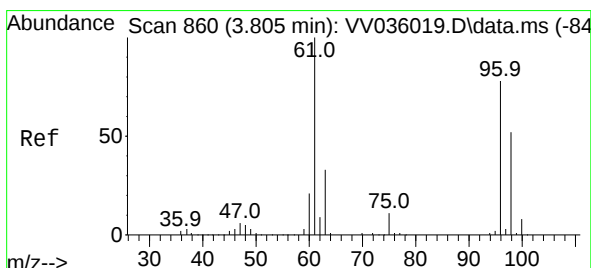
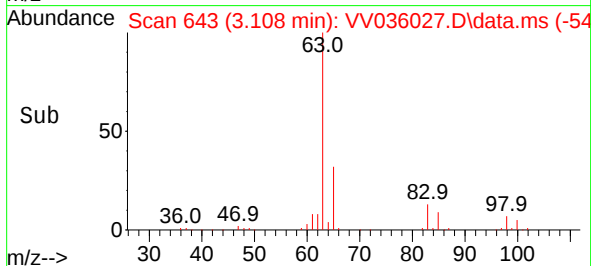
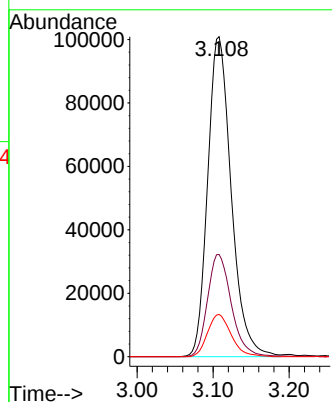
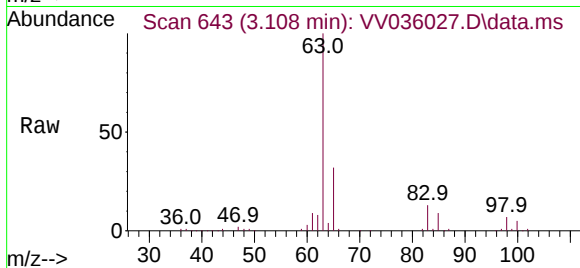
Tgt Ion: 63 Resp: 217151

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 13.2 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 24.655 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.006 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

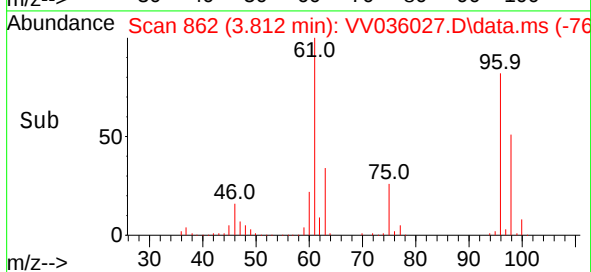
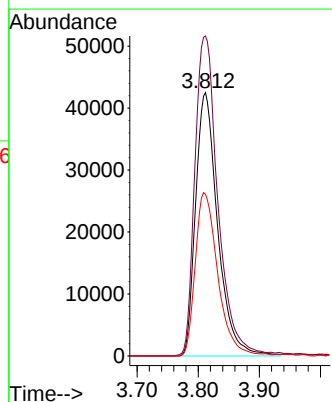
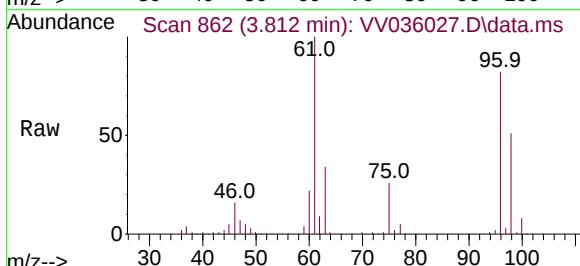
Tgt Ion: 96 Resp: 106614

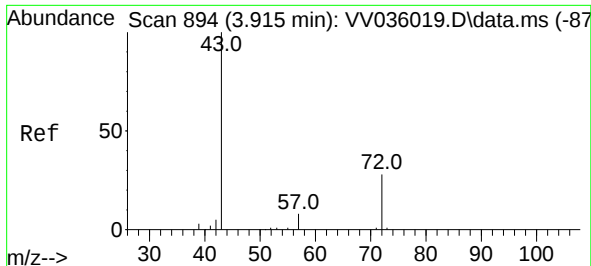
Ion Ratio Lower Upper

96 100

61 121.5 87.9 163.3

98 61.4 44.4 82.5





#22

2-Butanone

Concen: 23.442 ug/L

RT: 3.889 min Scan# 894

Delta R.T. -0.026 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

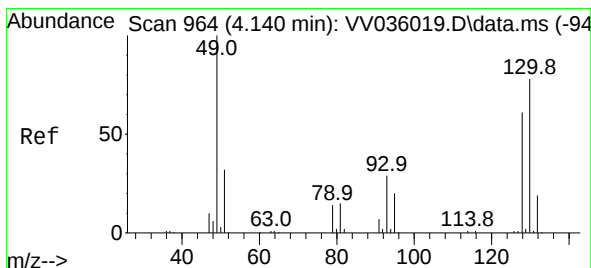
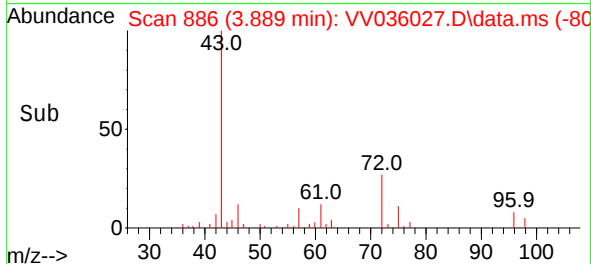
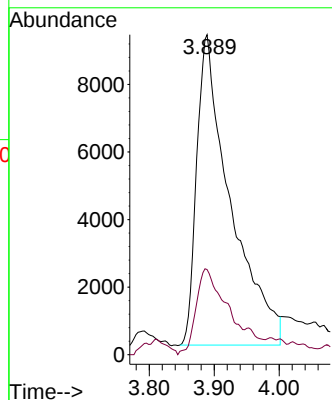
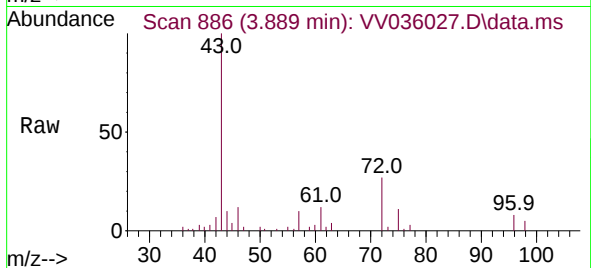
ClientSampleId :

Tgt Ion: 43 Resp: 33065

Ion Ratio Lower Upper

43 100

72 24.8 8.2 24.4#



#23

Bromochloromethane

Concen: 20.498 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Tgt Ion:128 Resp: 44462

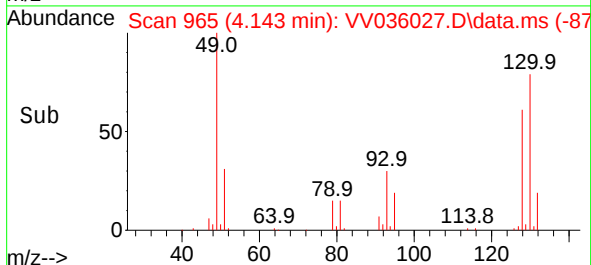
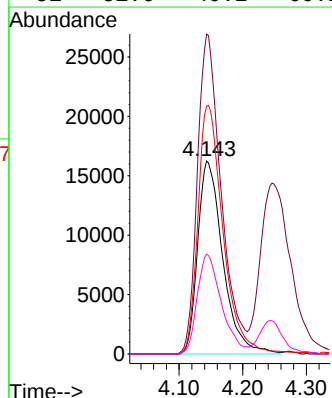
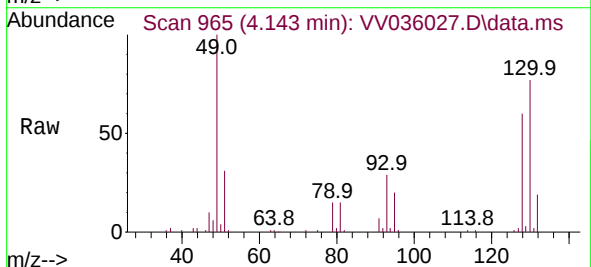
Ion Ratio Lower Upper

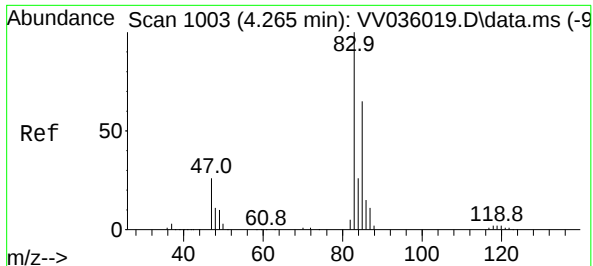
128 100

49 165.8 110.2 204.6

130 128.4 90.2 167.4

51 51.6 40.2 60.2





#25

Chloroform

Concen: 24.276 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

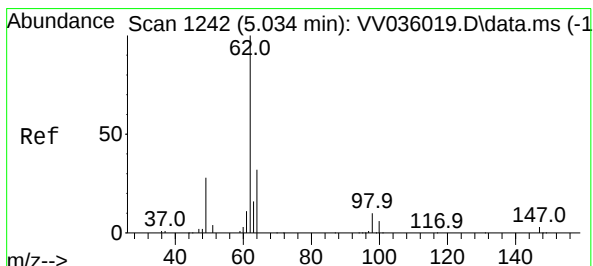
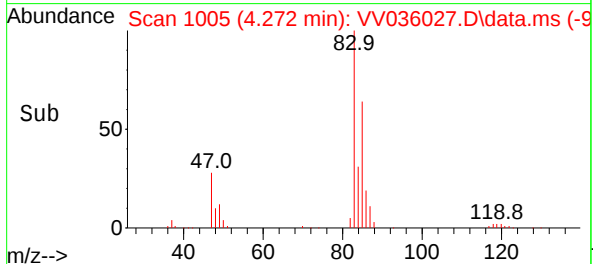
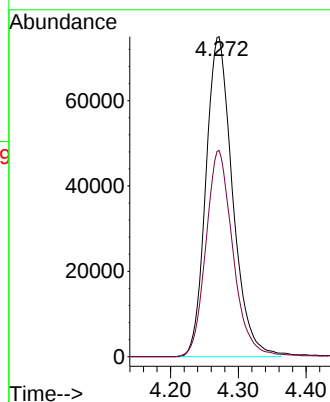
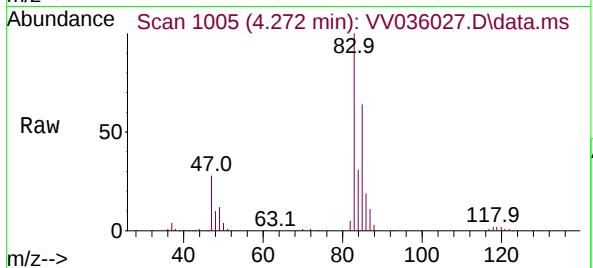
ClientSampleId :

Tgt Ion: 83 Resp: 204655

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 19.740 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036027.D

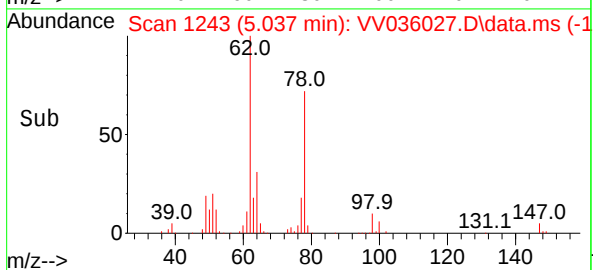
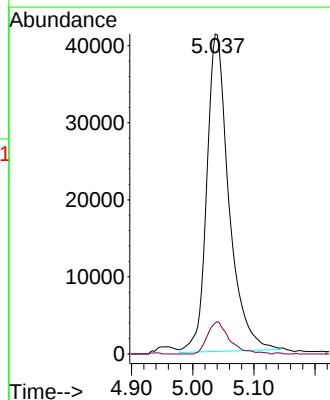
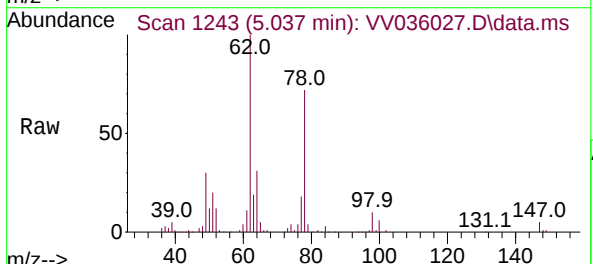
Acq: 10 Jun 2024 14:45

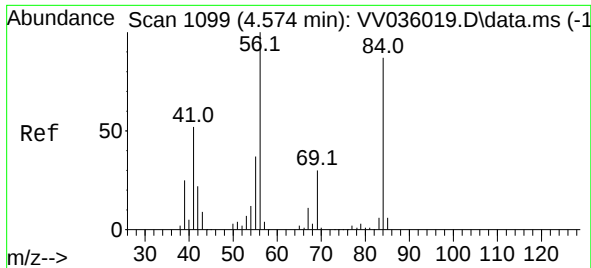
Tgt Ion: 62 Resp: 103898

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6





#29

Cyclohexane

Concen: 39.243 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :

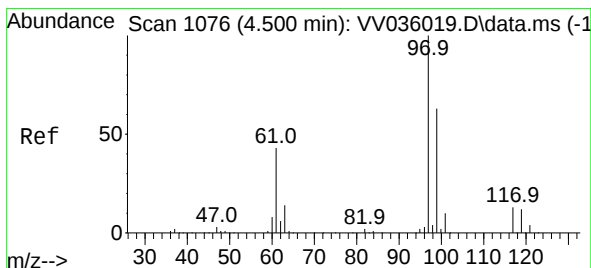
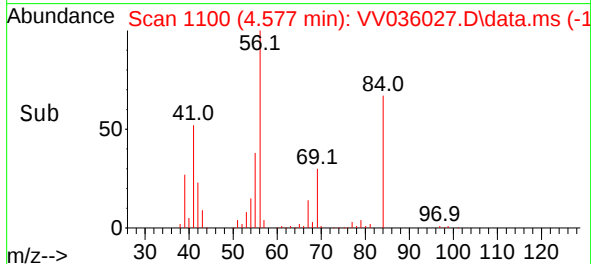
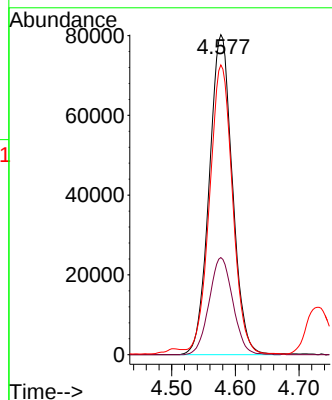
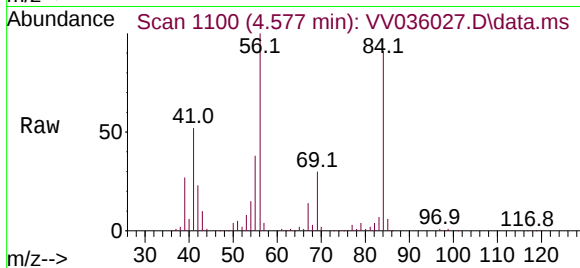
Tgt Ion: 56 Resp: 202730

Ion Ratio Lower Upper

56 100

69 31.0 25.2 37.8

84 89.3 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 35.550 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

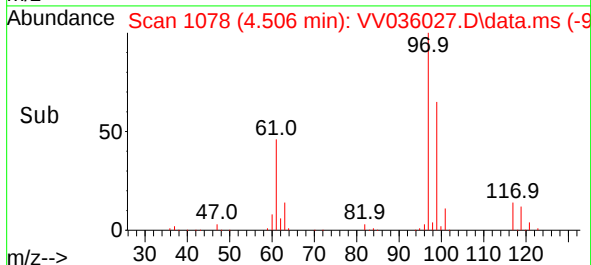
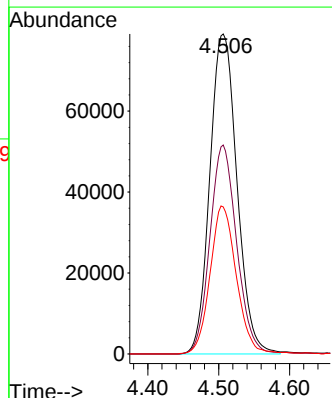
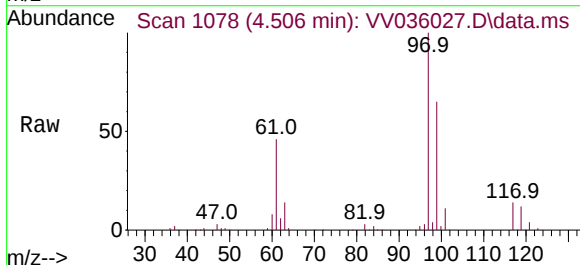
Tgt Ion: 97 Resp: 210868

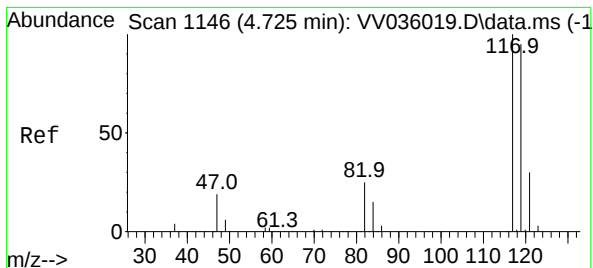
Ion Ratio Lower Upper

97 100

99 64.3 50.9 76.3

61 44.7 35.0 52.6





#31

Carbon tetrachloride

Concen: 36.900 ug/L

RT: 4.728 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

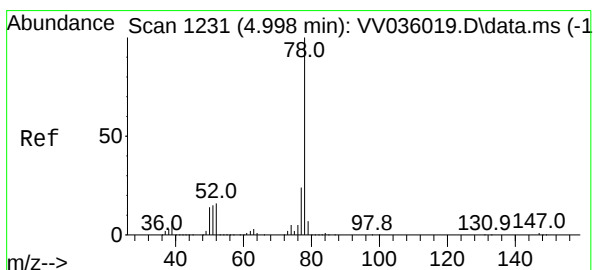
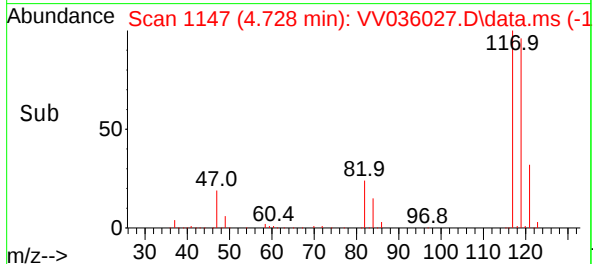
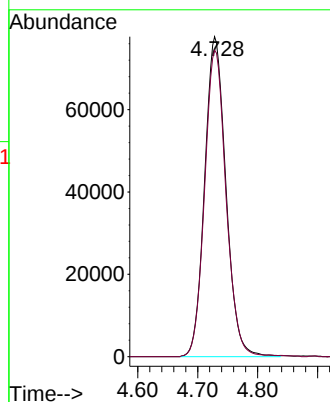
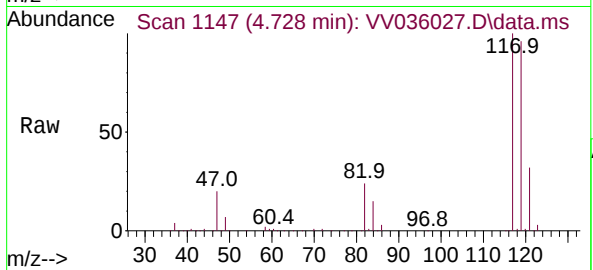
ClientSampleId :

Tgt Ion:117 Resp: 192017

Ion Ratio Lower Upper

117 100

119 96.2 76.8 115.2



#33

Benzene

Concen: 31.276 ug/L

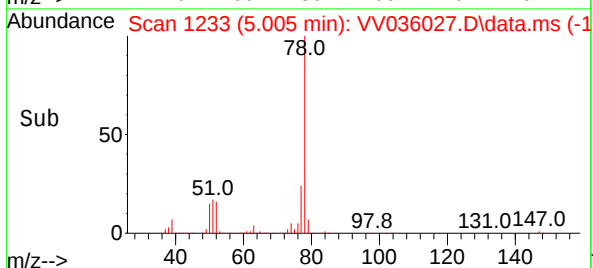
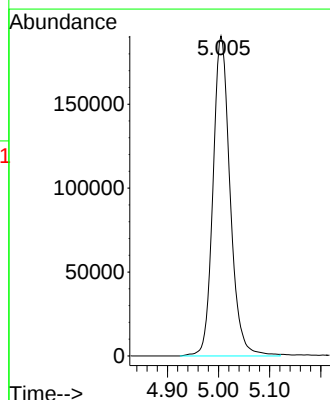
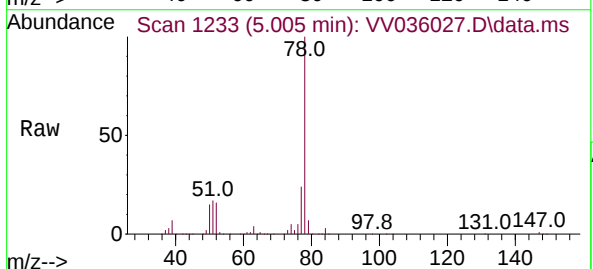
RT: 5.005 min Scan# 1233

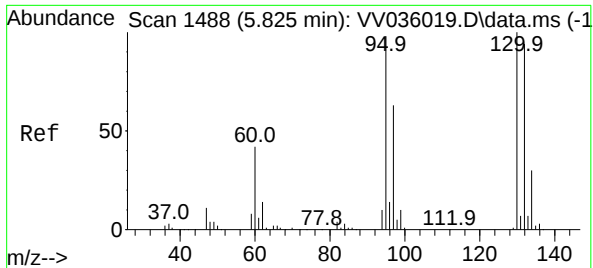
Delta R.T. 0.006 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Tgt Ion: 78 Resp: 443817





#34

Trichloroethene

Concen: 29.802 ug/L

RT: 5.828 min Scan# 1488

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 129614

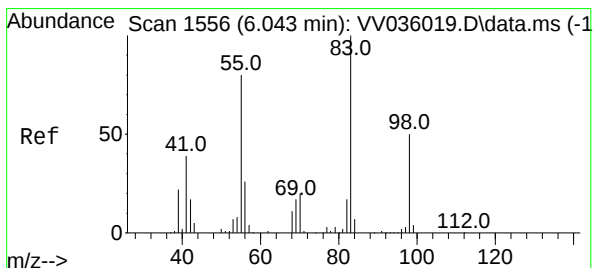
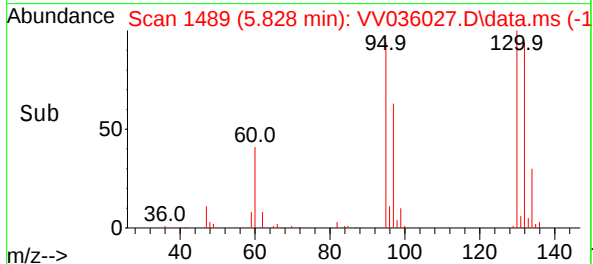
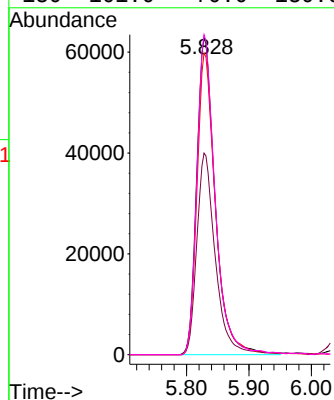
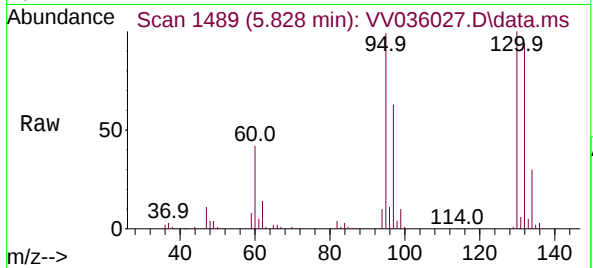
Ion Ratio Lower Upper

95 100

97 63.6 44.8 83.2

132 95.2 66.8 124.2

130 101.0 70.0 130.0



#35

Methylcyclohexane

Concen: 38.392 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

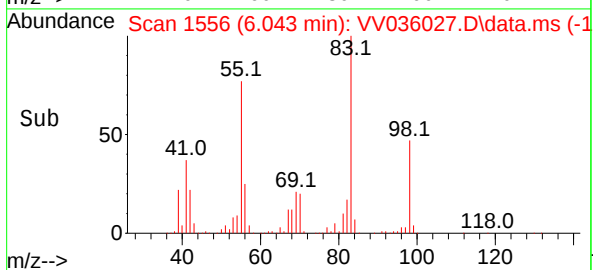
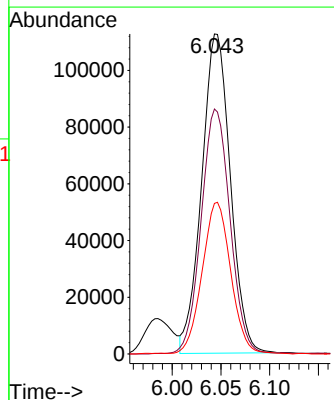
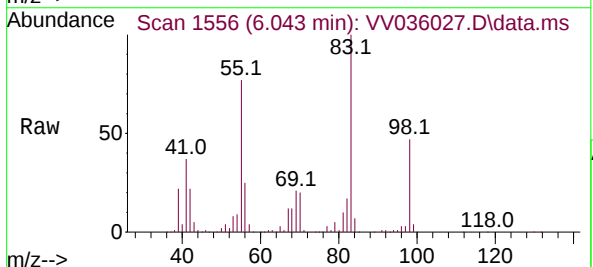
Tgt Ion: 83 Resp: 230911

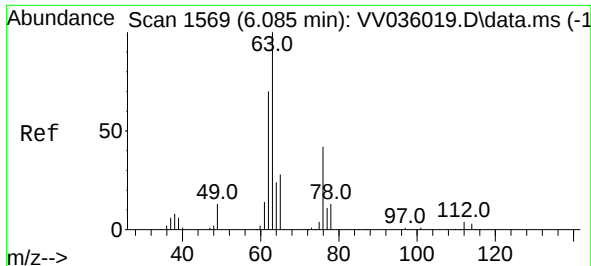
Ion Ratio Lower Upper

83 100

55 77.1 60.7 91.1

98 47.4 38.7 58.1

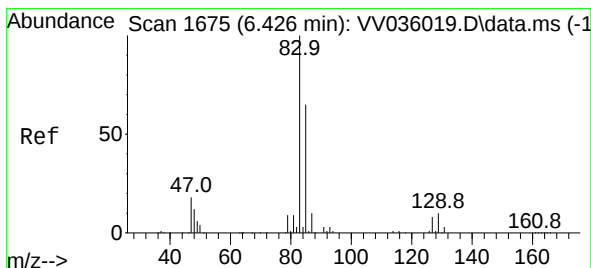
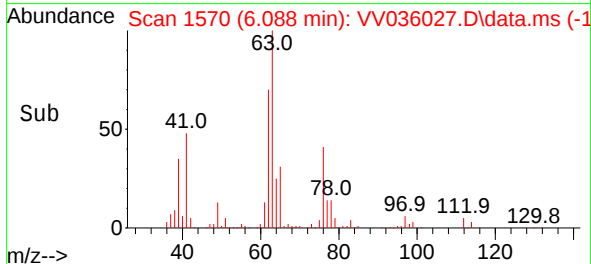
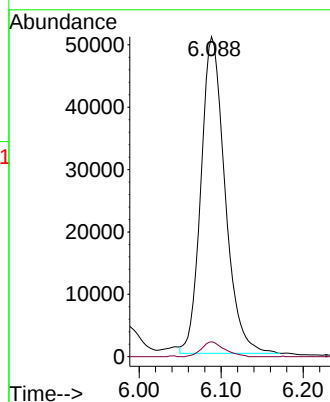
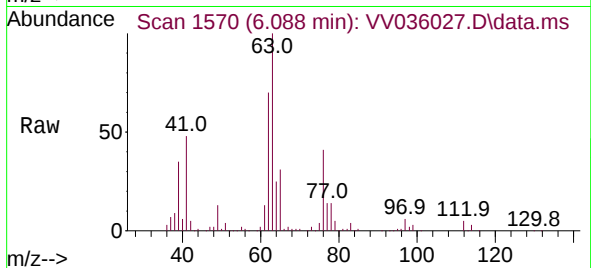




#37
1,2-Dichloropropane
Concen: 27.733 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

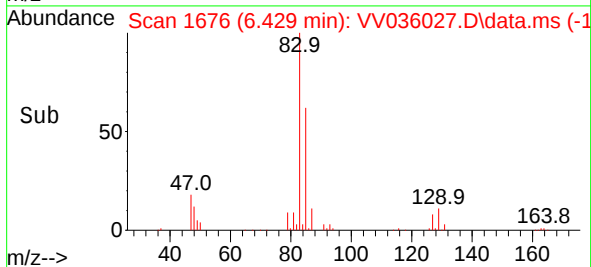
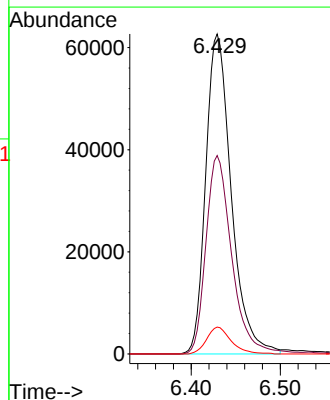
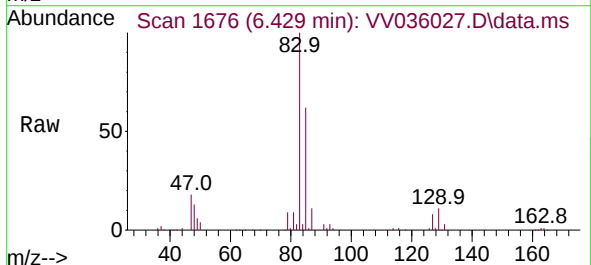
Instrument :
MSVOA_V
ClientSampleId :

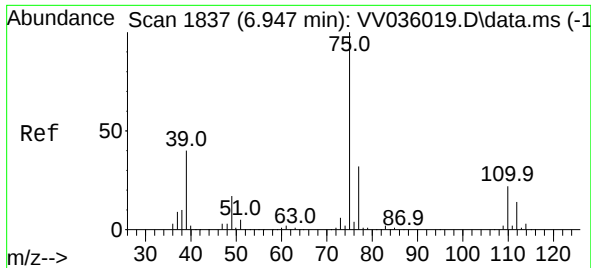
Tgt Ion: 63 Resp: 103337
Ion Ratio Lower Upper
63 100
112 4.5 3.5 5.3



#38
Bromodichloromethane
Concen: 25.320 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt Ion: 83 Resp: 124877
Ion Ratio Lower Upper
83 100
85 62.0 45.3 84.1
127 8.4 6.7 10.1

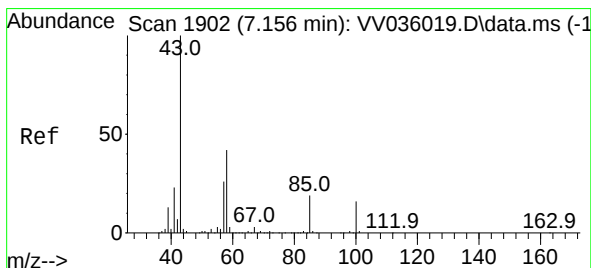
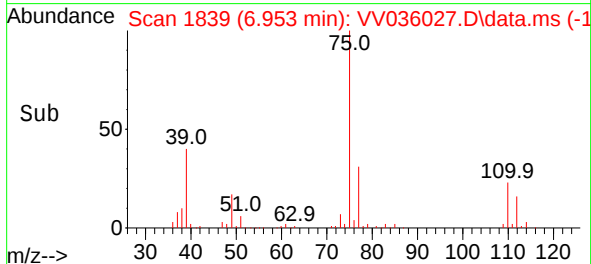
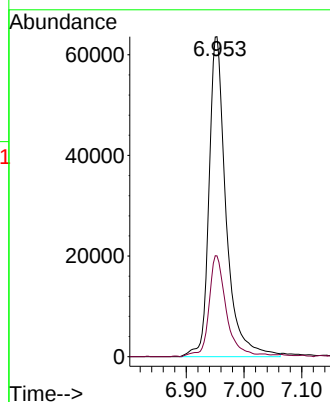
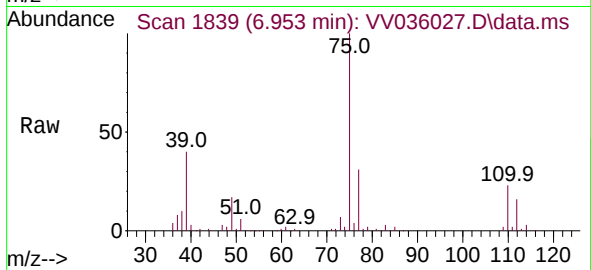




#39
cis-1,3-Dichloropropene
Concen: 23.412 ug/L
RT: 6.953 min Scan# 1839
Delta R.T. 0.006 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

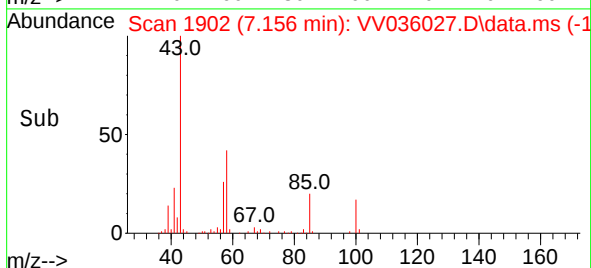
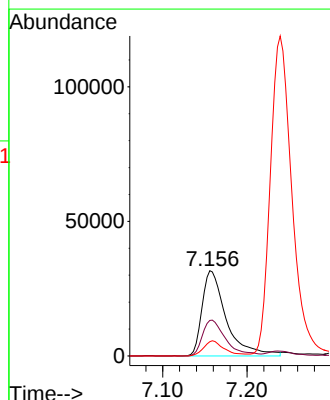
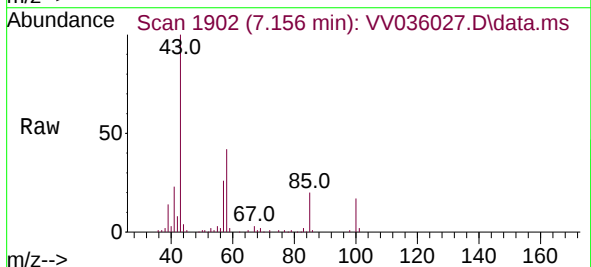
Instrument :
MSVOA_V
ClientSampleId :

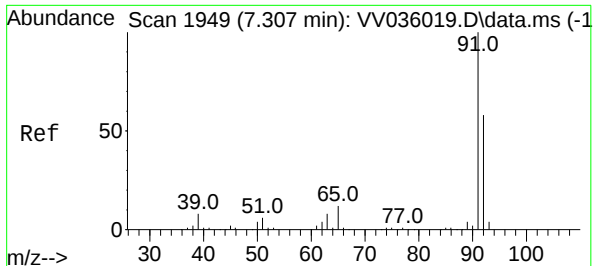
Tgt Ion: 75 Resp: 130478
Ion Ratio Lower Upper
75 100
77 31.5 22.1 41.1



#40
4-Methyl-2-pentanone
Concen: 31.344 ug/L
RT: 7.156 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt Ion: 43 Resp: 63454
Ion Ratio Lower Upper
43 100
58 40.5 32.5 48.7
100 15.6 12.5 18.7





#42

Toluene

Concen: 30.982 ug/L

RT: 7.310 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

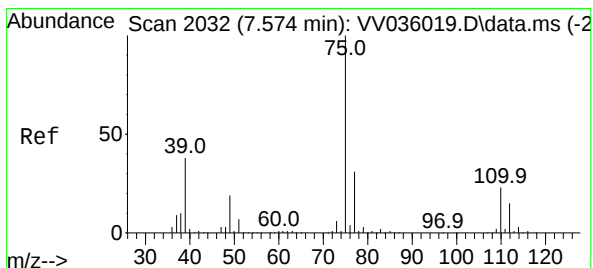
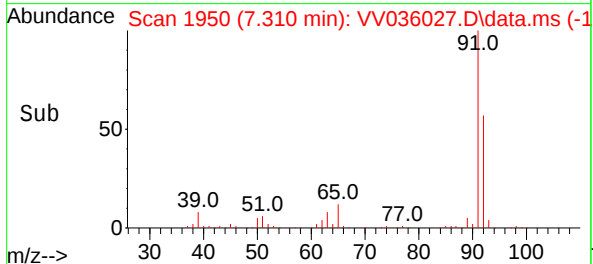
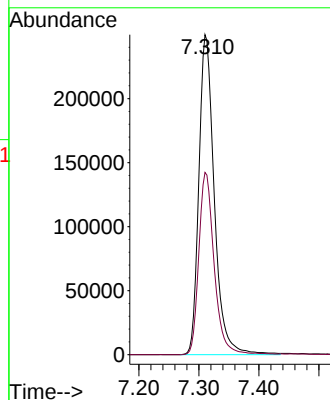
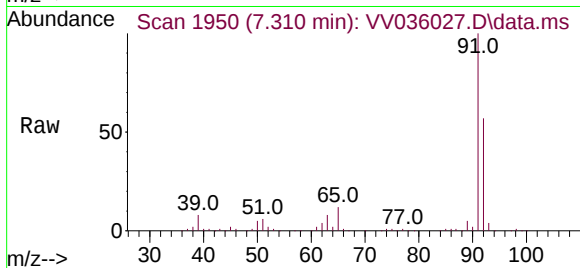
ClientSampleId :

Tgt Ion: 91 Resp: 449243

Ion Ratio Lower Upper

91 100

92 56.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 21.215 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.006 min

Lab File: VV036027.D

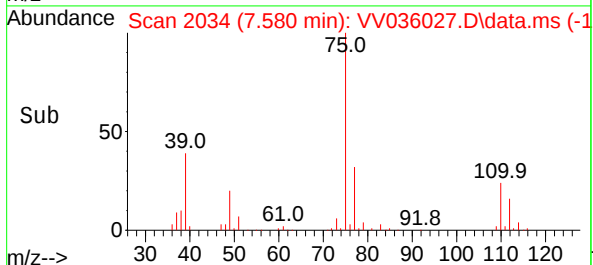
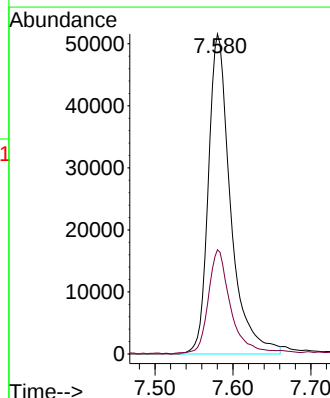
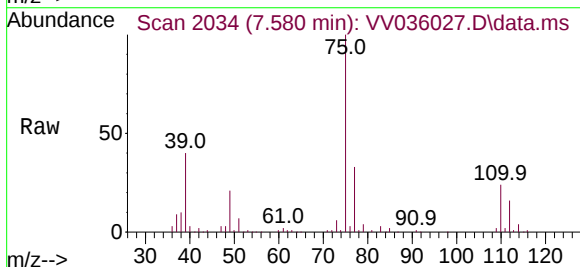
Acq: 10 Jun 2024 14:45

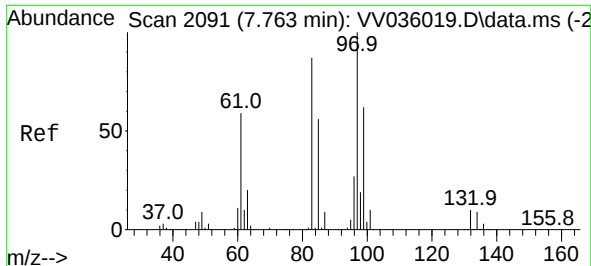
Tgt Ion: 75 Resp: 102124

Ion Ratio Lower Upper

75 100

77 32.6 23.1 42.9

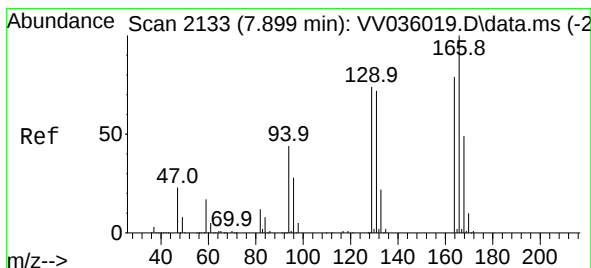
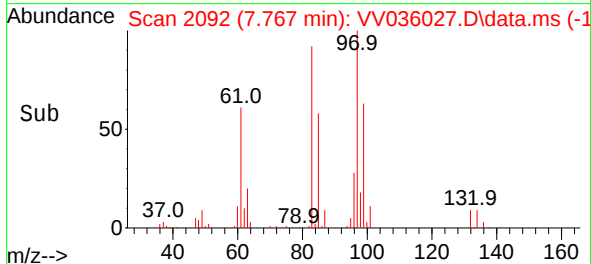
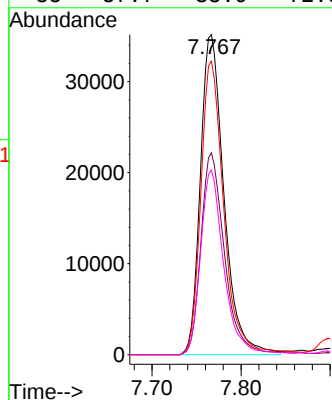
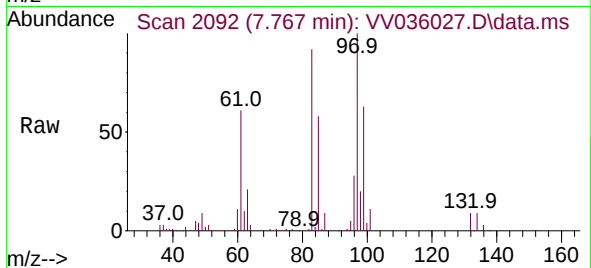




#45
1,1,2-Trichloroethane
Concen: 21.005 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

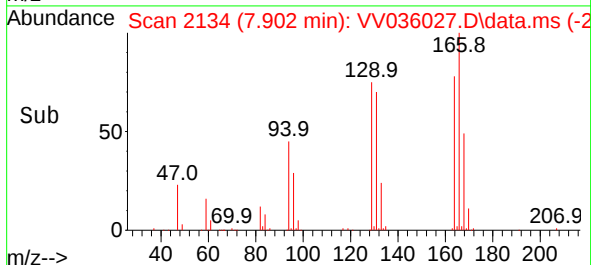
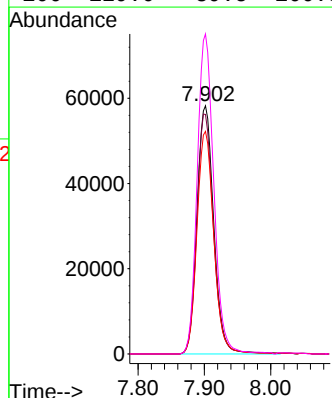
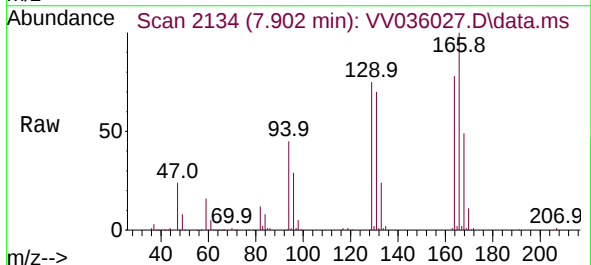
Instrument :
MSVOA_V
ClientSampleId :

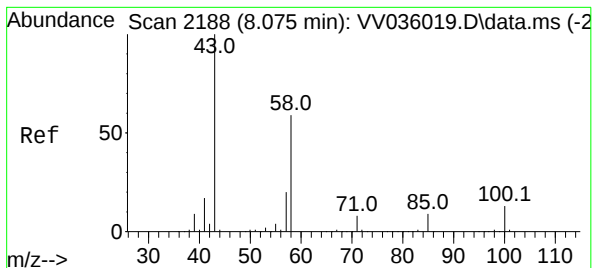
Tgt Ion: 97	Resp: 64759
Ion Ratio	Lower Upper
97 100	
99 63.1	43.3 80.5
83 91.8	60.1 111.7
85 57.7	38.9 72.3



#46
Tetrachloroethene
Concen: 32.244 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt	Ion:164	Resp:	102563
Ion	Ratio	Lower	Upper
164	100		
129	96.5	64.6	120.0
131	89.7	63.2	117.4
166	129.0	89.5	166.3





#48

2-Hexanone

Concen: 27.518 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 43552

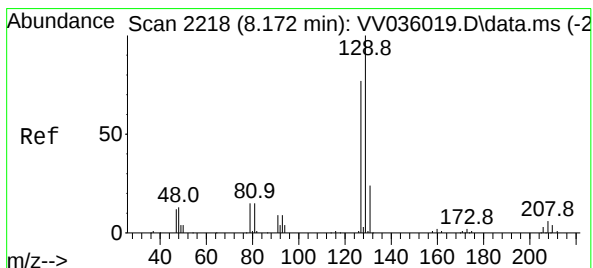
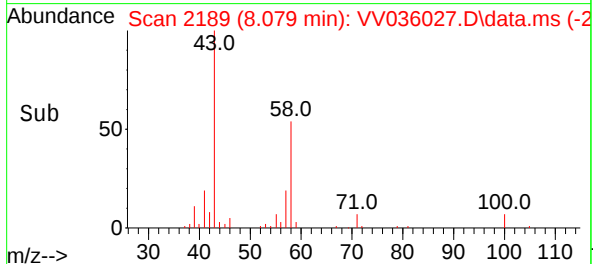
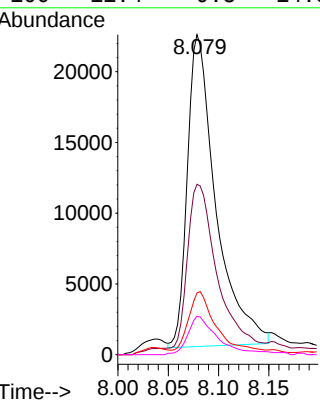
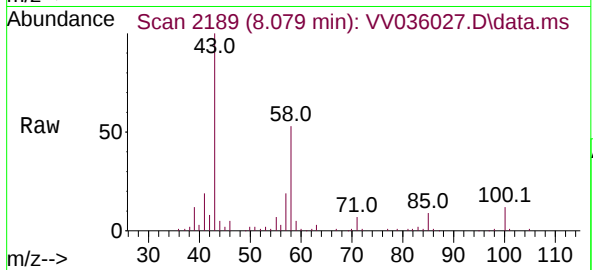
Ion Ratio Lower Upper

43 100

58 61.2 45.4 68.0

57 18.0 15.8 23.8

100 11.4 9.8 14.8



#49

Dibromochloromethane

Concen: 21.514 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. -0.000 min

Lab File: VV036027.D

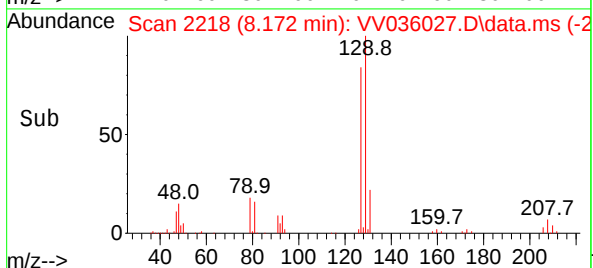
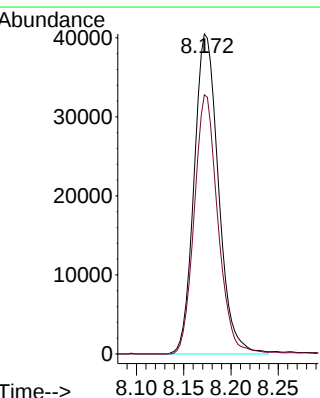
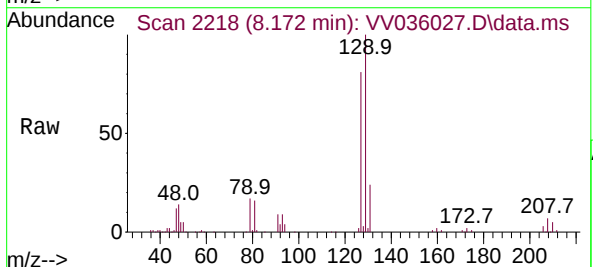
Acq: 10 Jun 2024 14:45

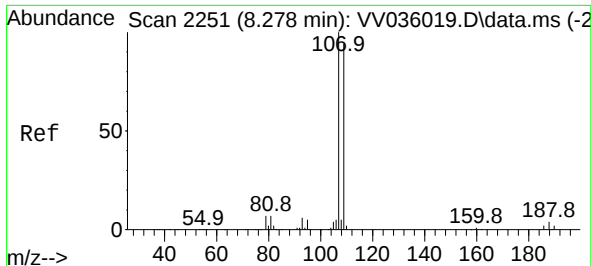
Tgt Ion:129 Resp: 72594

Ion Ratio Lower Upper

129 100

127 81.0 53.9 100.1

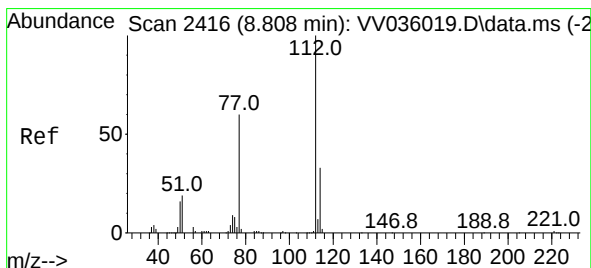
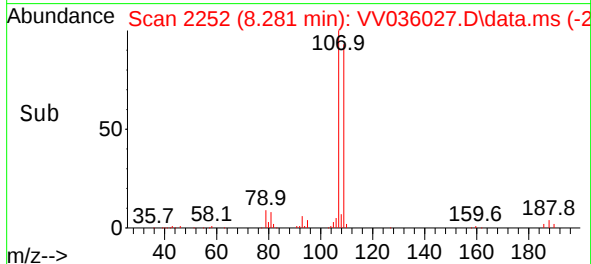
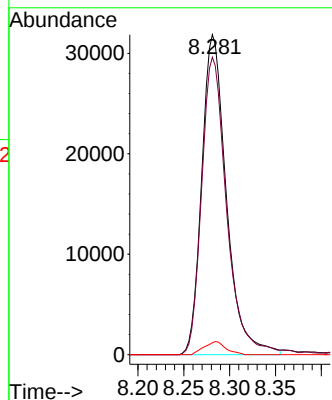
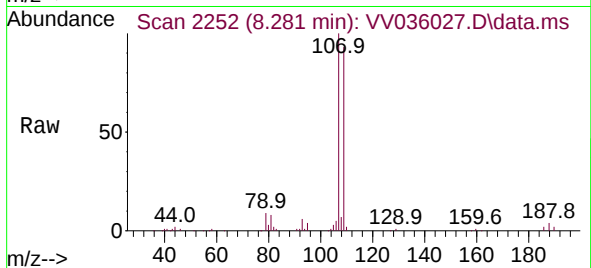




#50
1,2-Dibromoethane
Concen: 20.163 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

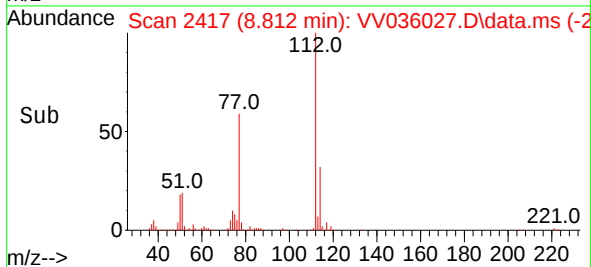
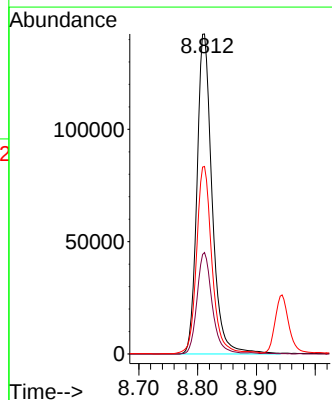
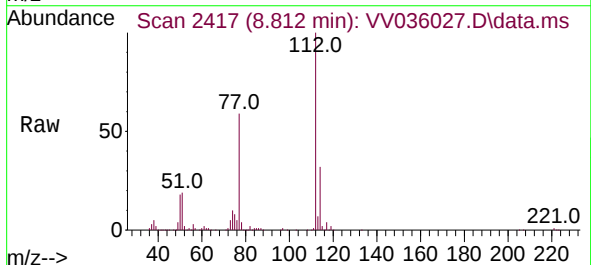
Instrument :
MSVOA_V
ClientSampleId :

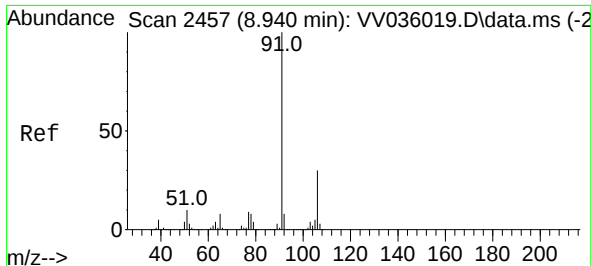
Tgt Ion:107 Resp: 59647
Ion Ratio Lower Upper
107 100
109 93.0 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 25.755 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt Ion:112 Resp: 254457
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 58.6 47.3 70.9





#52

Ethylbenzene

Concen: 29.204 ug/L

RT: 8.943 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

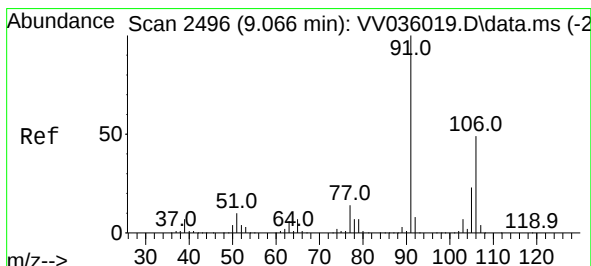
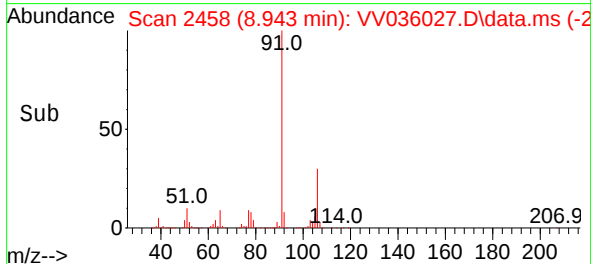
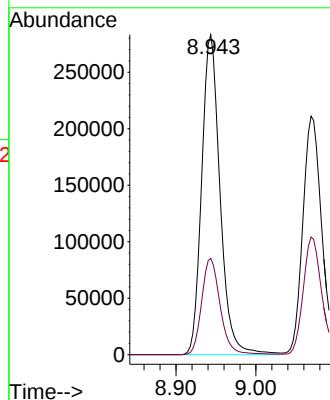
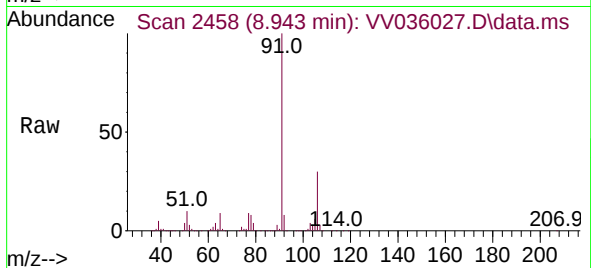
ClientSampleId :

Tgt Ion: 91 Resp: 453065

Ion Ratio Lower Upper

91 100

106 30.1 21.6 40.0



#53

m,p-Xylene

Concen: 28.813 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.003 min

Lab File: VV036027.D

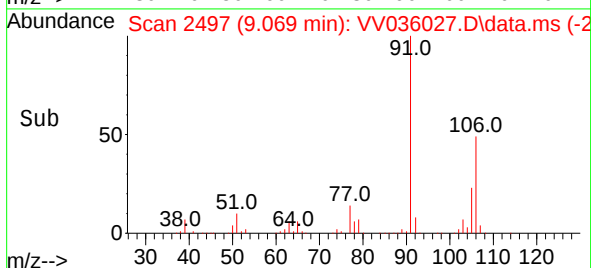
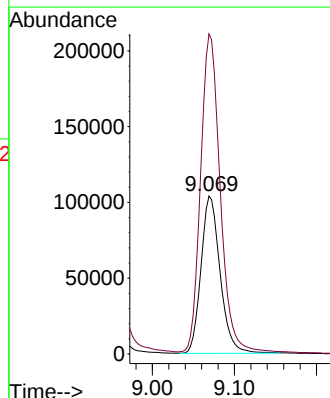
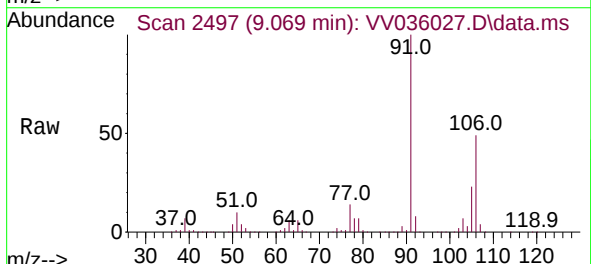
Acq: 10 Jun 2024 14:45

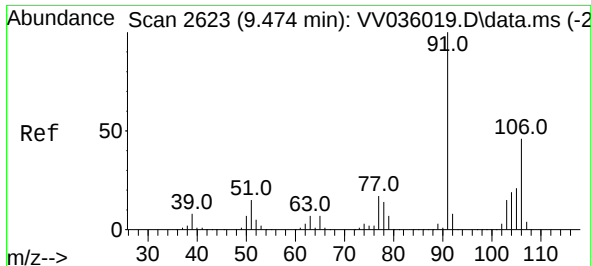
Tgt Ion:106 Resp: 167956

Ion Ratio Lower Upper

106 100

91 202.6 143.1 265.9

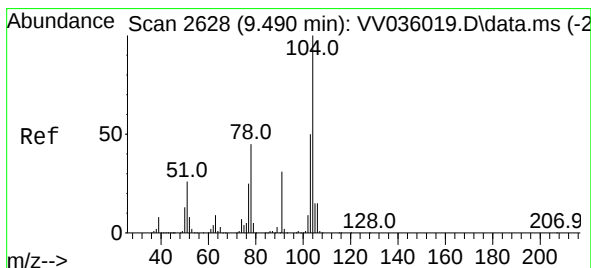
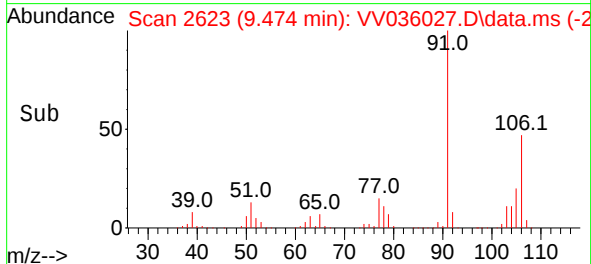
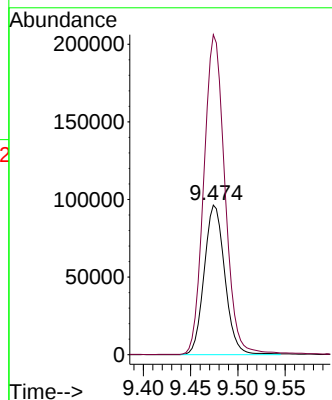
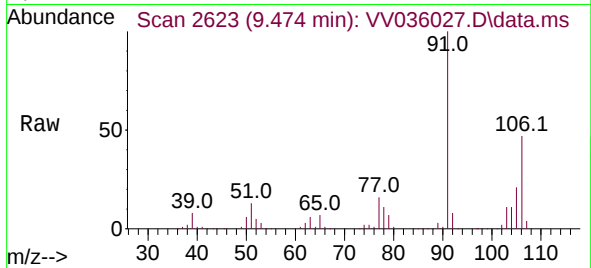




#54
o-Xylene
Concen: 26.683 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.000 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

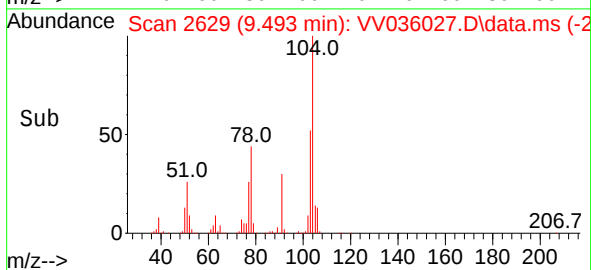
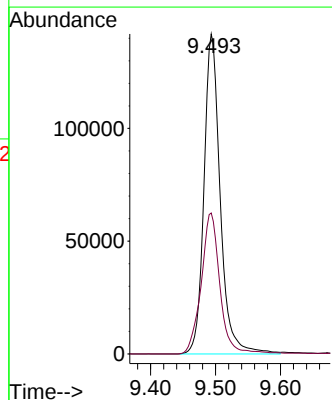
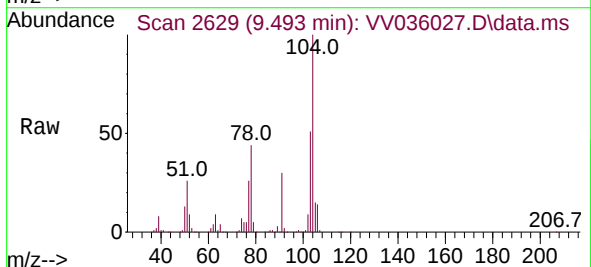
Instrument :
MSVOA_V
ClientSampleId :

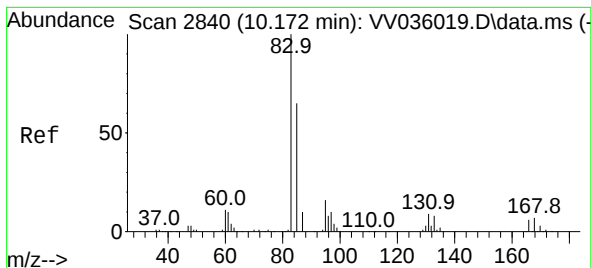
Tgt Ion:106 Resp: 146681
Ion Ratio Lower Upper
106 100
91 213.9 154.5 286.9



#55
Styrene
Concen: 25.610 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt Ion:104 Resp: 248260
Ion Ratio Lower Upper
104 100
78 44.1 31.4 58.2

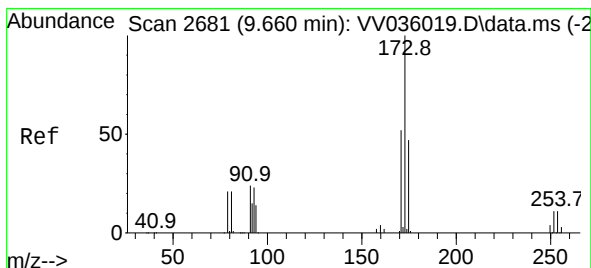
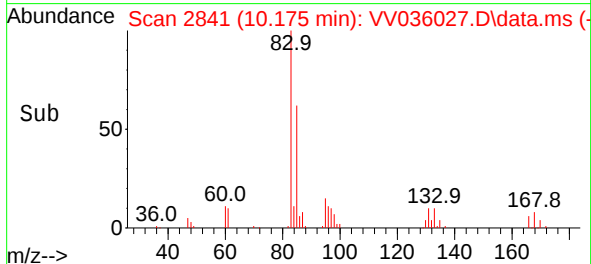
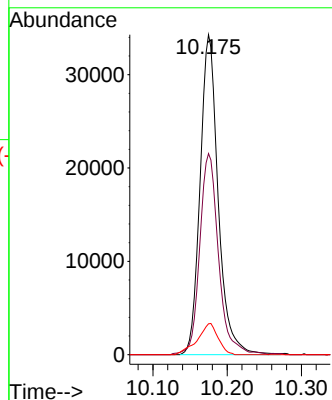
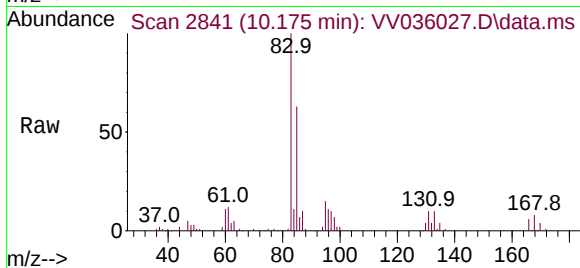




#57
1,1,2,2-Tetrachloroethane
Concen: 21.036 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

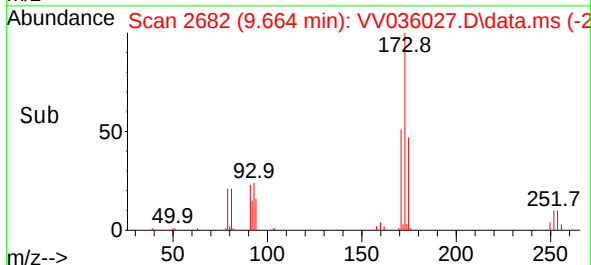
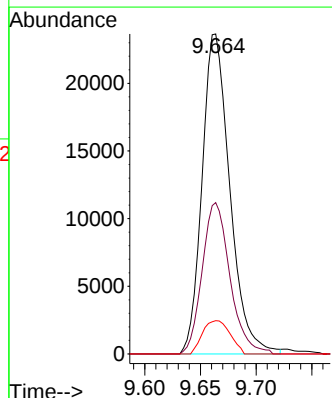
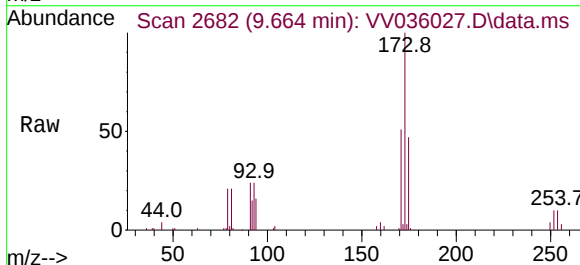
Instrument :
MSVOA_V
ClientSampleId :

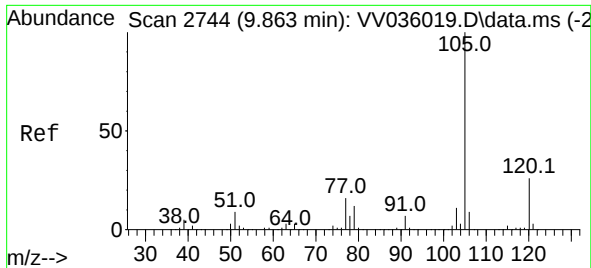
Tgt Ion: 83 Resp: 58074
Ion Ratio Lower Upper
83 100
85 62.8 45.1 83.7
131 9.7 7.6 11.4



#59
Bromoform
Concen: 21.514 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt Ion: 173 Resp: 41063
Ion Ratio Lower Upper
173 100
175 47.3 39.0 58.6
254 10.3 8.6 13.0

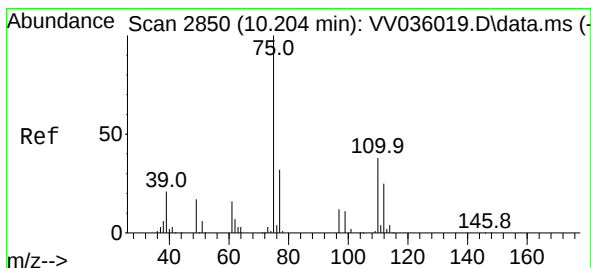
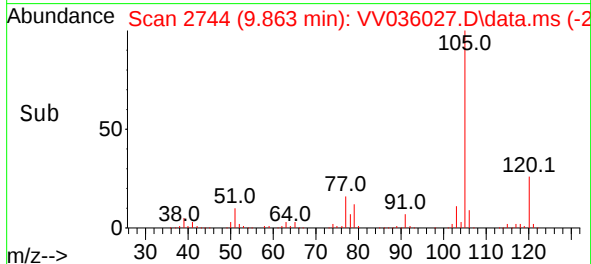
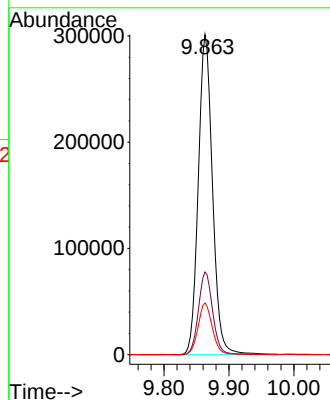
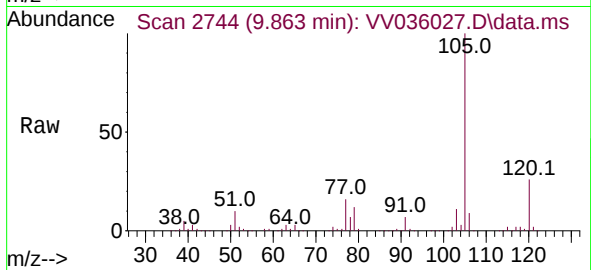




#60
Isopropylbenzene
Concen: 35.413 ug/L
RT: 9.863 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

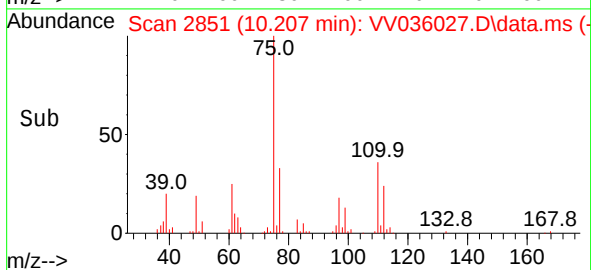
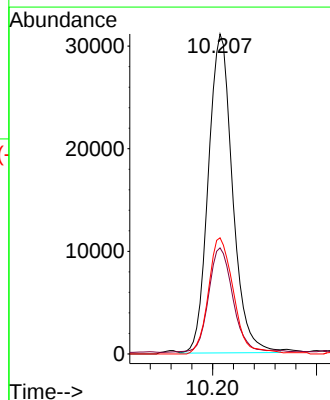
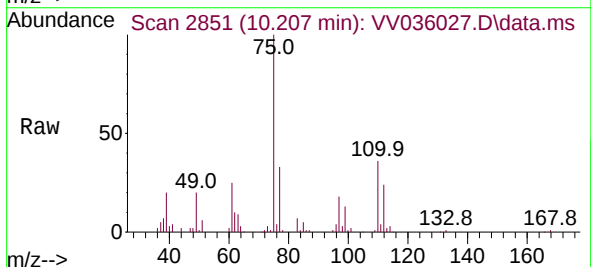
Instrument :
MSVOA_V
ClientSampleId :

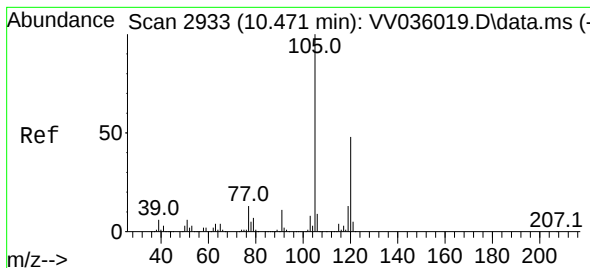
Tgt Ion:105 Resp: 459820
Ion Ratio Lower Upper
105 100
120 25.7 21.0 31.6
77 16.0 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 20.990 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV036027.D
Acq: 10 Jun 2024 14:45

Tgt Ion: 75 Resp: 50243
Ion Ratio Lower Upper
75 100
77 31.8 26.0 39.0
110 37.7 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 30.177 ug/L

RT: 10.474 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

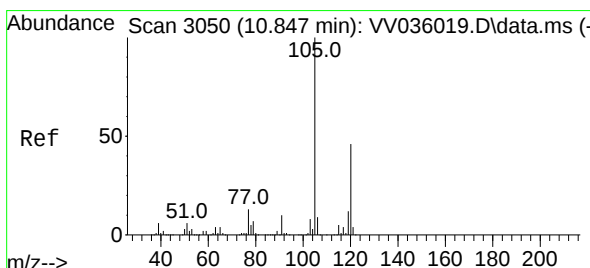
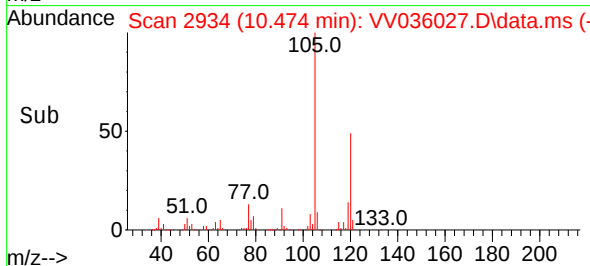
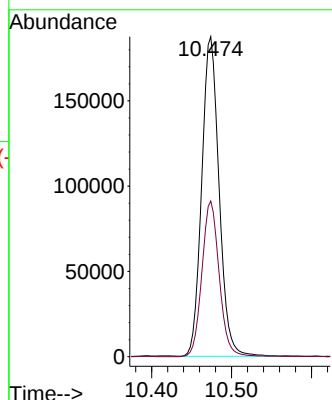
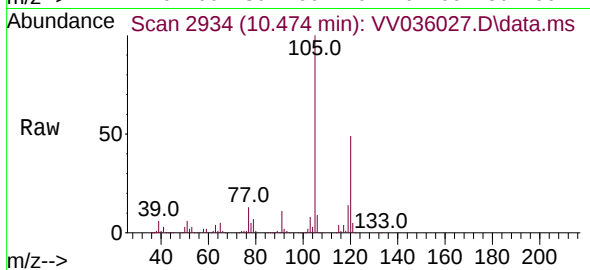
ClientSampleId :

Tgt Ion:105 Resp: 284133

Ion Ratio Lower Upper

105 100

120 48.5 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 28.638 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036027.D

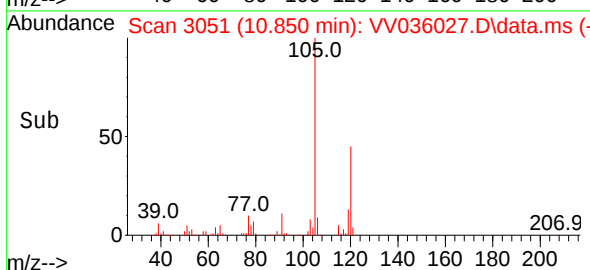
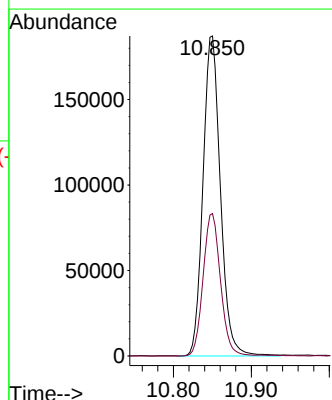
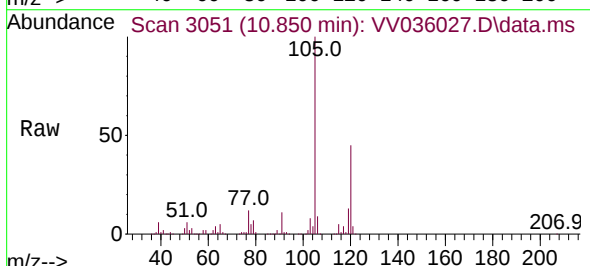
Acq: 10 Jun 2024 14:45

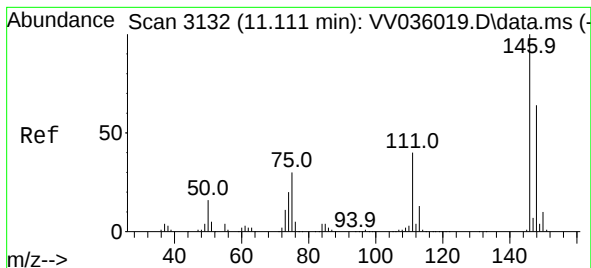
Tgt Ion:105 Resp: 290515

Ion Ratio Lower Upper

105 100

120 44.4 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 26.507 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :

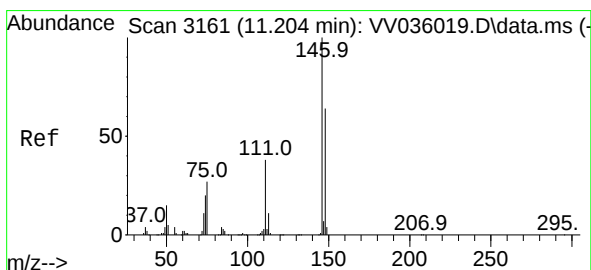
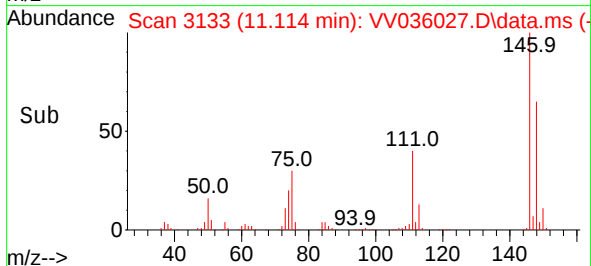
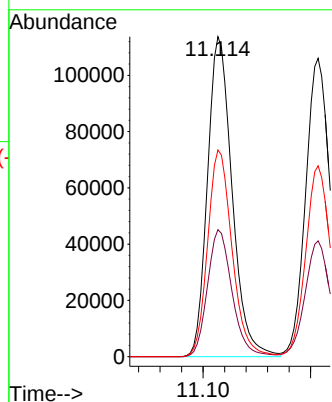
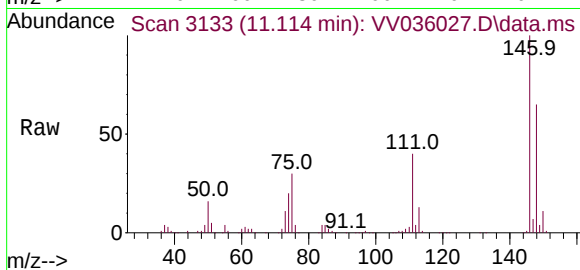
Tgt Ion:146 Resp: 180751

Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.1

148 64.6 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 24.612 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

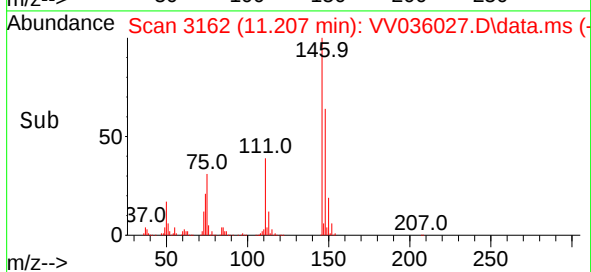
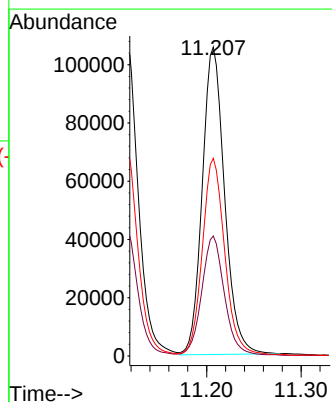
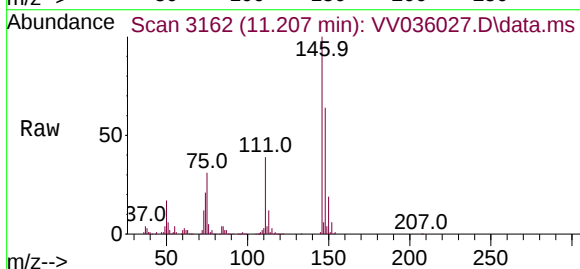
Tgt Ion:146 Resp: 173225

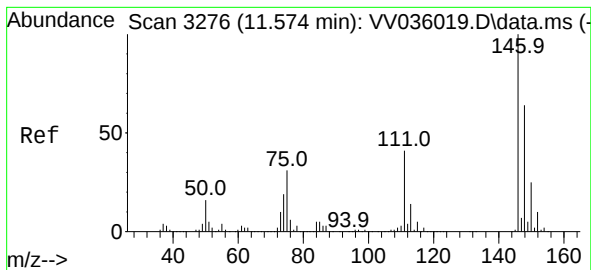
Ion Ratio Lower Upper

146 100

111 38.8 26.9 50.1

148 64.0 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 23.942 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :

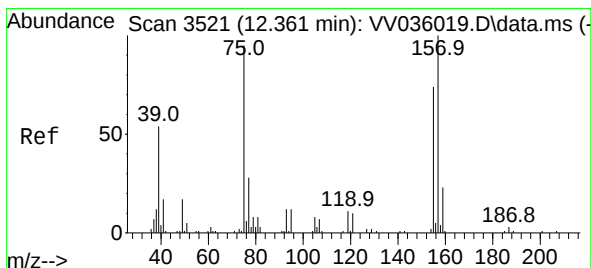
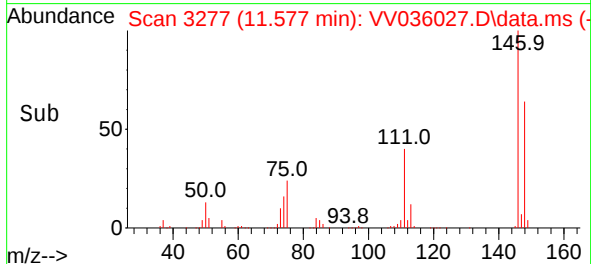
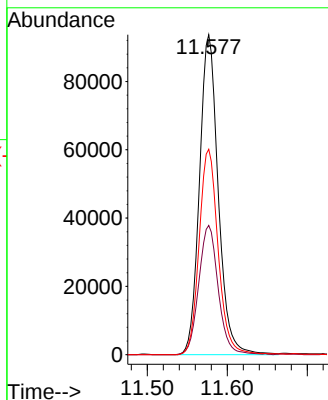
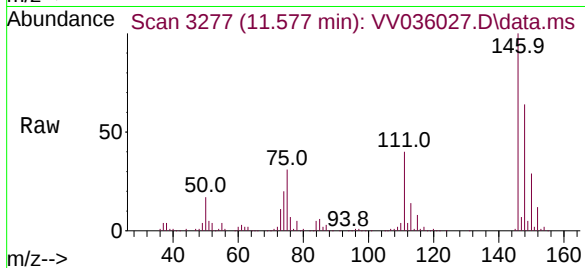
Tgt Ion:146 Resp: 153629

Ion Ratio Lower Upper

146 100

111 40.4 33.5 50.3

148 64.2 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 18.658 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.000 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

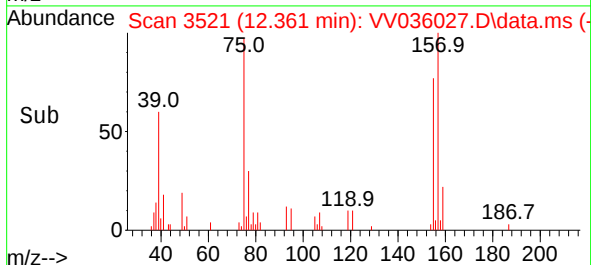
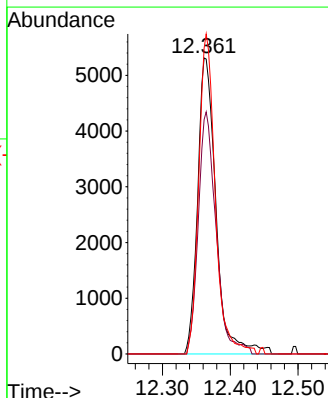
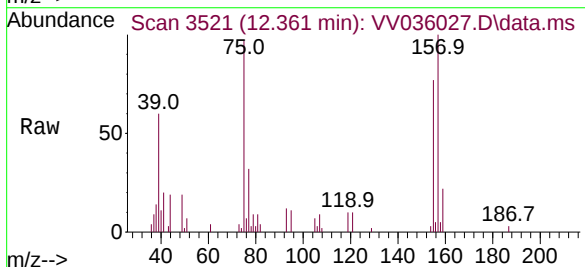
Tgt Ion: 75 Resp: 9987

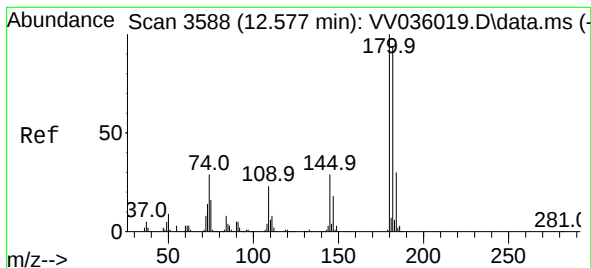
Ion Ratio Lower Upper

75 100

155 79.2 63.3 94.9

157 103.3 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 23.160 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.003 min

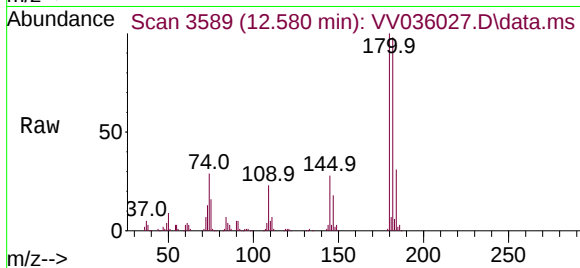
Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 118133

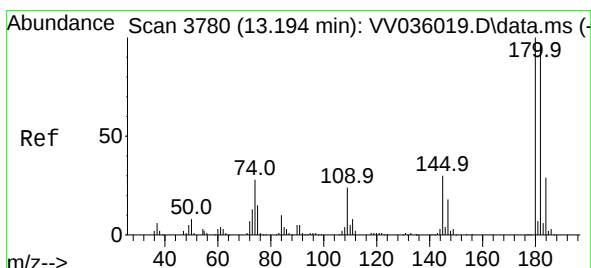
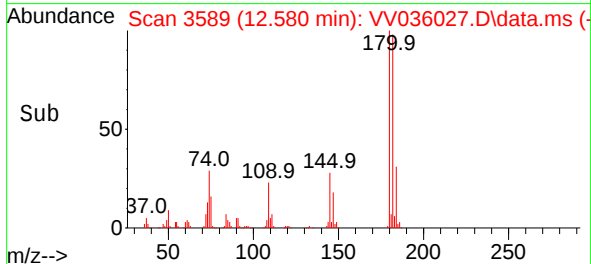
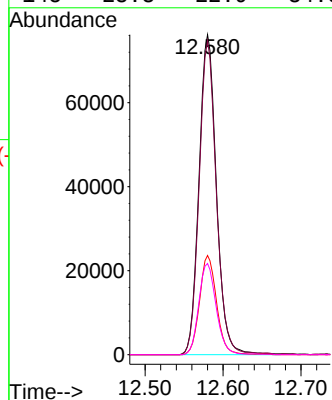
Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.4

184 30.2 24.2 36.2

145 28.3 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 19.352 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

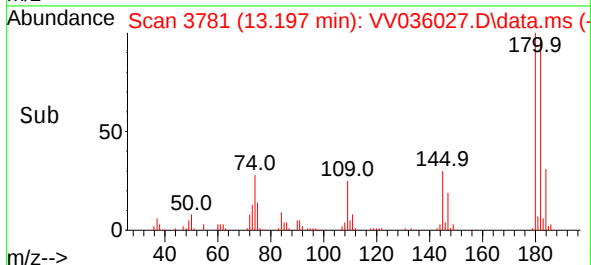
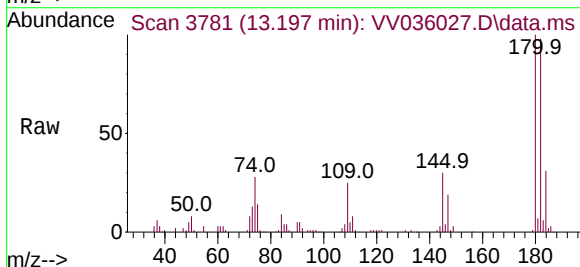
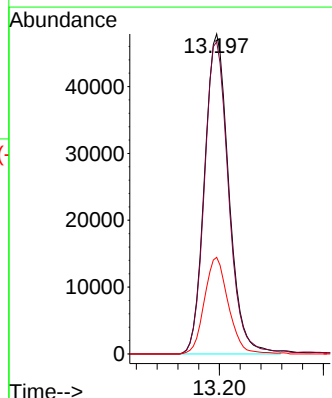
Tgt Ion:180 Resp: 77721

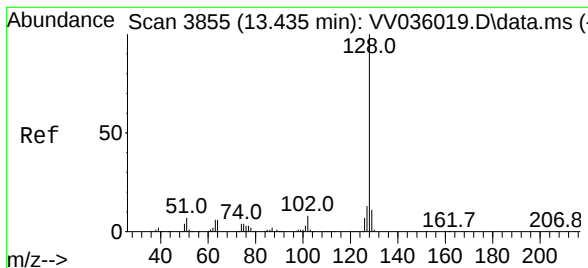
Ion Ratio Lower Upper

180 100

182 96.8 76.1 114.1

145 29.7 23.5 35.3





#71

Naphthalene

Concen: 13.018 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036027.D

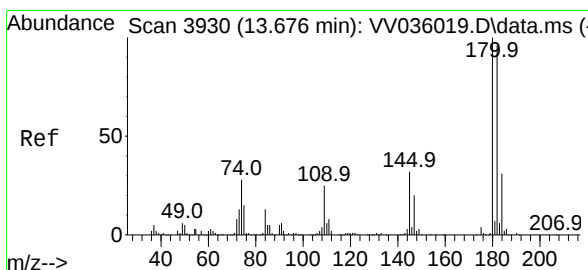
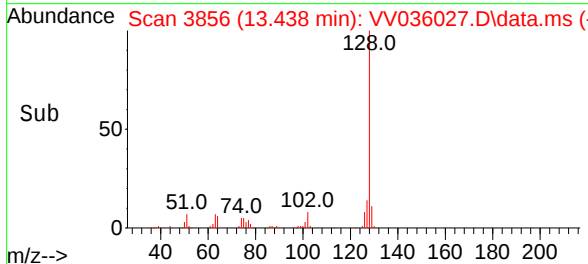
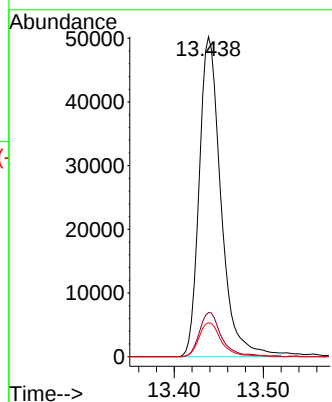
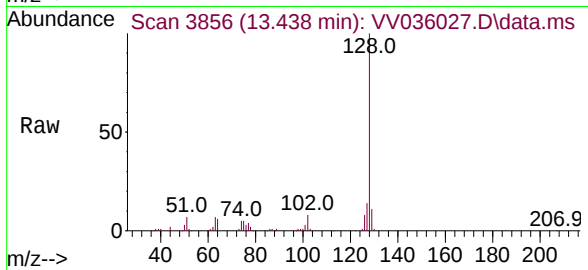
Acq: 10 Jun 2024 14:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	85324
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.6 16.0
129	10.8	8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 17.512 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV036027.D

Acq: 10 Jun 2024 14:45

Tgt Ion:180	Resp:	64179
Ion Ratio	Lower	Upper
180	100	
182	96.0	75.1 112.7
145	30.7	25.2 37.8

