

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061424\
 Data File : VV036082.D
 Acq On : 14 Jun 2024 09:13
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 15 01:25:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 02:40:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	421265	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	428630	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	233438	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	126776	16.369	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.480%
7) Chloroethane-d5	1.529	69	114574	18.553	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.200%
11) 1,1-Dichloroethene-d2	2.053	65	60606	17.578	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.320%
21) 2-Butanone-d5	3.835	46	32323	18.190	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	36.380%
24) Chloroform-d	4.246	84	289697	21.631	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.520%
26) 1,2-Dichloroethane-d4	4.941	65	150954	21.497	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.000%
32) Benzene-d6	4.957	84	529293	20.774	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.080%
36) 1,2-Dichloropropane-d6	5.986	67	175213	21.837	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.360%
41) Toluene-d8	7.240	98	474008	21.085	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.360%
43) trans-1,3-Dichloroprop...	7.551	79	71705	21.796	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.200%
47) 2-Hexanone-d5	8.031	63	61797	56.847	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.700%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	146563	24.445	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.760%
66) 1,2-Dichlorobenzene-d4	11.558	152	186114	21.741	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	133943	17.634	ug/L	100
3) Chloromethane	1.211	50	178245	20.448	ug/L	100
5) Vinyl chloride	1.278	62	193532	21.089	ug/L	99
6) Bromomethane	1.484	94	122791	21.568	ug/L	99
8) Chloroethane	1.545	64	129607	22.721	ug/L	98
9) Trichlorofluoromethane	1.709	101	262719	23.052	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	173493	23.987	ug/L	99
12) 1,1-Dichloroethene	2.063	96	153970	22.824	ug/L	98
13) Acetone	2.388	43	79278	28.641	ug/L	69
14) Carbon disulfide	2.233	76	459319	19.607	ug/L	99
15) Methyl Acetate	2.388	43	91276	26.529	ug/L	97
16) Methylene chloride	2.442	84	190629	19.998	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	163530	22.820	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	418636	26.023	ug/L	99
19) 1,1-Dichloroethane	3.108	63	333560	24.443	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	174672	24.258	ug/L	98
22) 2-Butanone	3.915	43	120270	51.207	ug/L #	81
23) Bromochloromethane	4.143	128	86388	23.918	ug/L	98
25) Chloroform	4.272	83	340568	24.260	ug/L	99

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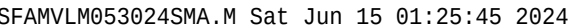
Instrument :
 MSVOA_V
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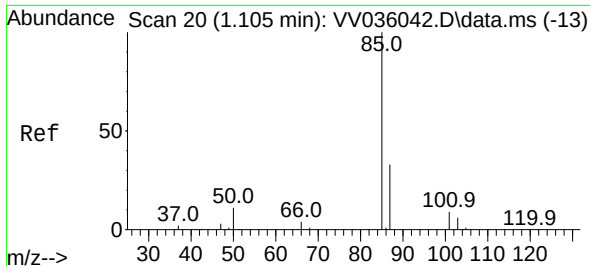
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 02:40:50 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	220380	25.146	ug/L	100
29) Cyclohexane	4.577	56	242946	23.805	ug/L	99
30) 1,1,1-Trichloroethane	4.507	97	285607	24.373	ug/L	100
31) Carbon tetrachloride	4.732	117	242986	23.637	ug/L	100
33) Benzene	5.005	78	697276	24.873	ug/L	100
34) Trichloroethene	5.828	95	209311	24.361	ug/L	100
35) Methylcyclohexane	6.047	83	285521	24.030	ug/L	99
37) 1,2-Dichloropropane	6.089	63	190821	25.923	ug/L	100
38) Bromodichloromethane	6.429	83	245561	25.204	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	265781	24.141	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	228985	57.256	ug/L	99
42) Toluene	7.314	91	740179	25.839	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	249389	26.225	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	156383	25.676	ug/L	99
46) Tetrachloroethene	7.902	164	143978	22.912	ug/L	99
48) 2-Hexanone	8.079	43	179300	57.347	ug/L	96
49) Dibromochloromethane	8.175	129	169037	25.358	ug/L	98
50) 1,2-Dibromoethane	8.281	107	149690	25.614	ug/L	99
51) Chlorobenzene	8.812	112	480497	24.619	ug/L	100
52) Ethylbenzene	8.944	91	794265	25.916	ug/L	99
53) m,p-Xylene	9.069	106	297075	25.797	ug/L	98
54) o-Xylene	9.474	106	281116	25.886	ug/L	99
55) Styrene	9.494	104	520985	27.205	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	140195	25.706	ug/L	98
59) Bromoform	9.664	173	109104	24.783	ug/L	99
60) Isopropylbenzene	9.863	105	786008	26.245	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	144131	26.106	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	556609	25.630	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	618537	26.435	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	388509	24.702	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	399833	24.630	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	361534	24.428	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	32856	26.613	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	283501	24.098	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	233471	25.204	ug/L	99
71) Naphthalene	13.435	128	415401	27.479	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	221861	26.246	ug/L	99

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

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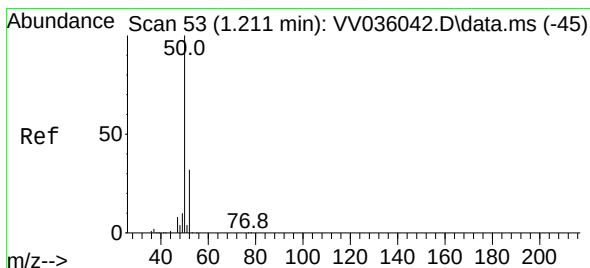
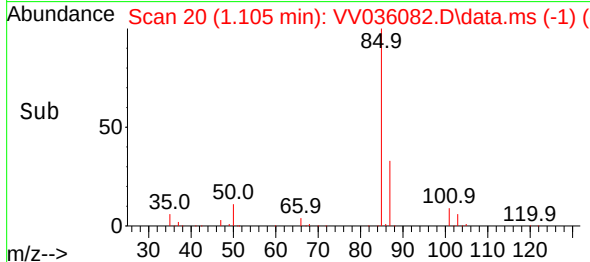
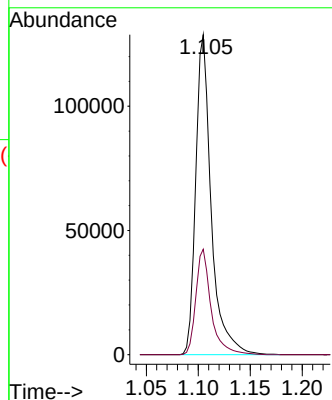
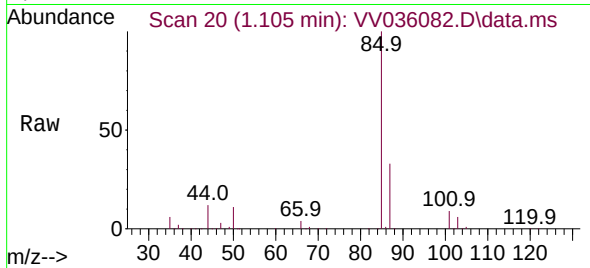




#2
 Dichlorodifluoromethane
 Concen: 17.634 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.003 min
 Lab File: VV036082.D
 Acq: 14 Jun 2024 09:13

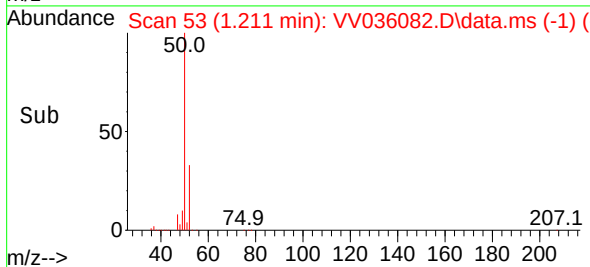
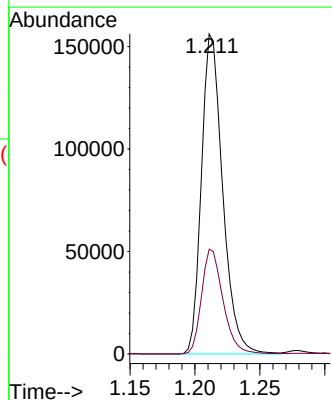
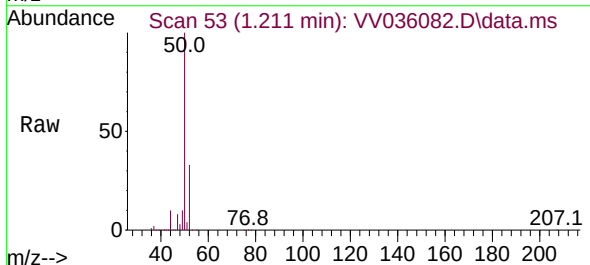
Instrument :
 MSVOA_V
 ClientSampleId :

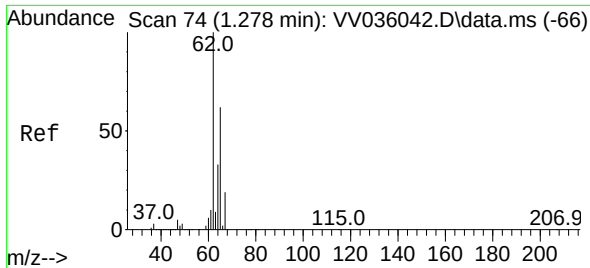
Tgt Ion: 85 Resp: 133943
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 20.448 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036082.D
 Acq: 14 Jun 2024 09:13

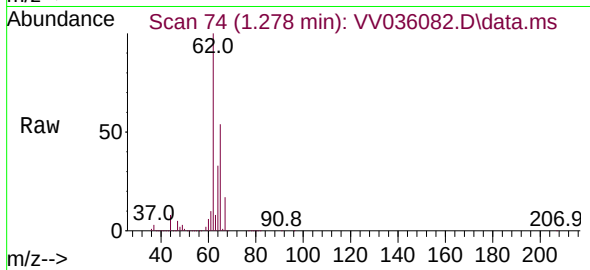
Tgt Ion: 50 Resp: 178245
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.8 42.4



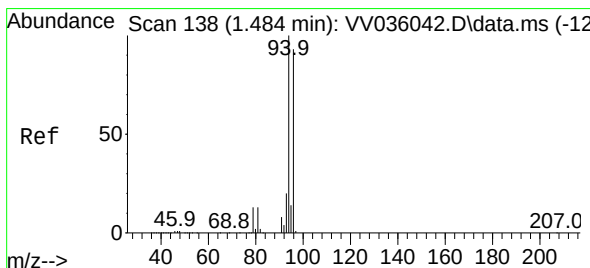
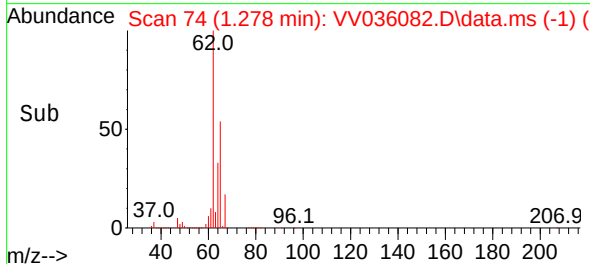
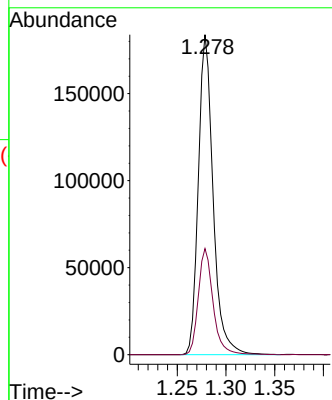


#5
 Vinyl chloride
 Concen: 21.089 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. 0.003 min
 Lab File: VV036082.D
 Acq: 14 Jun 2024 09:13

Instrument :
 MSVOA_V
 ClientSampleId :

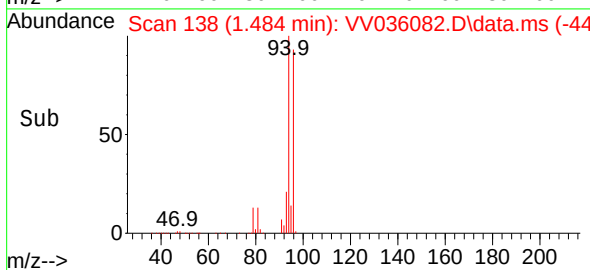
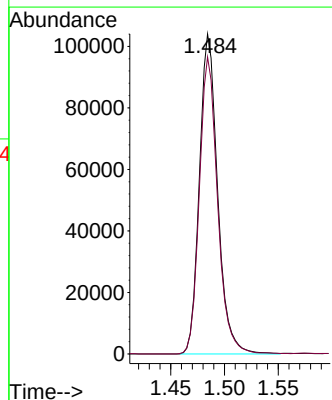
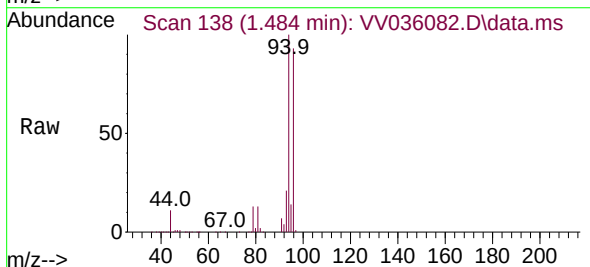


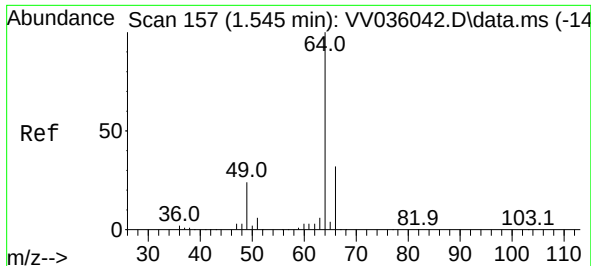
Tgt Ion: 62 Resp: 193532
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.9 42.5



#6
 Bromomethane
 Concen: 21.568 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.003 min
 Lab File: VV036082.D
 Acq: 14 Jun 2024 09:13

Tgt Ion: 94 Resp: 122791
 Ion Ratio Lower Upper
 94 100
 96 92.8 65.7 122.1

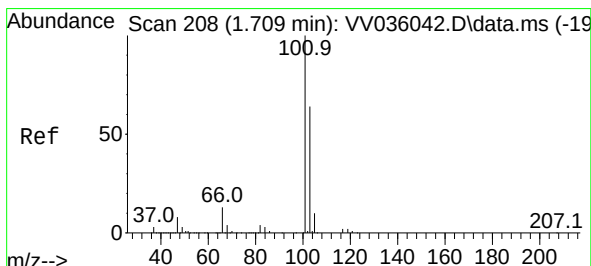
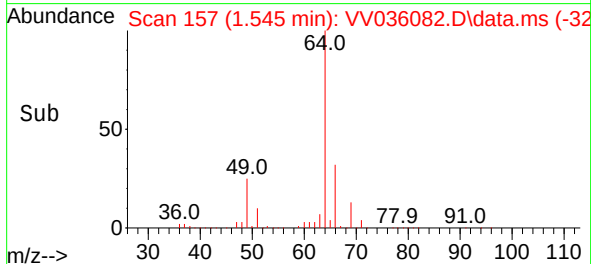
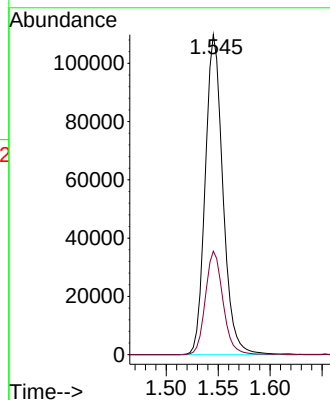
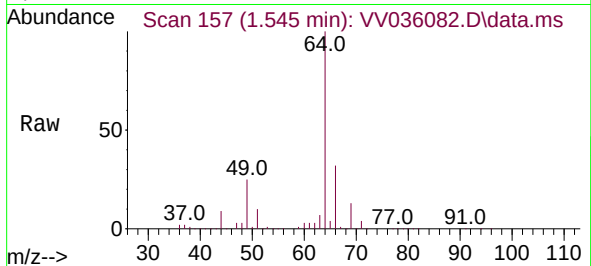




#8
Chloroethane
Concen: 22.721 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.003 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

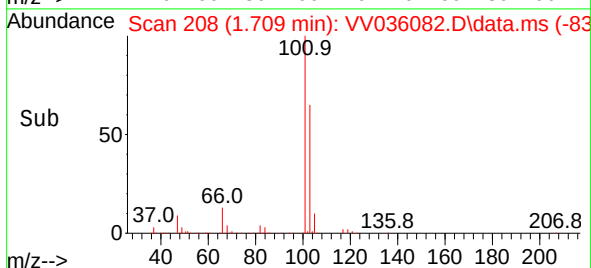
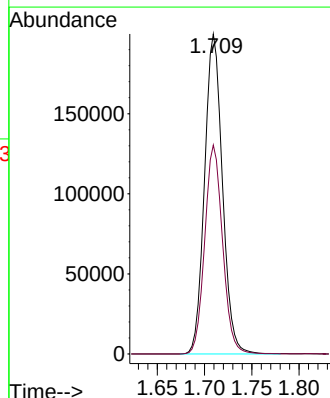
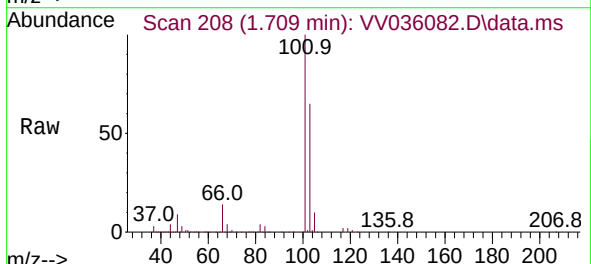
Instrument :
MSVOA_V
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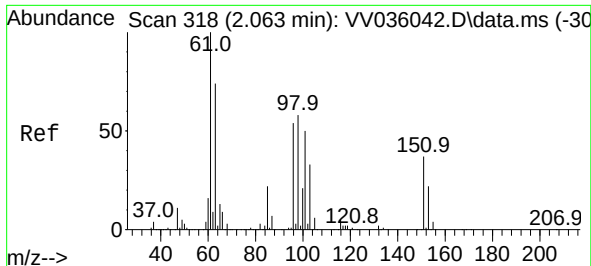
Tgt Ion: 64 Resp: 129607
Ion Ratio Lower Upper
64 100
66 32.3 22.0 41.0



#9
Trichlorofluoromethane
Concen: 23.052 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.003 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

Tgt Ion:101 Resp: 262719
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.8





#10

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

Concen: 23.987 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

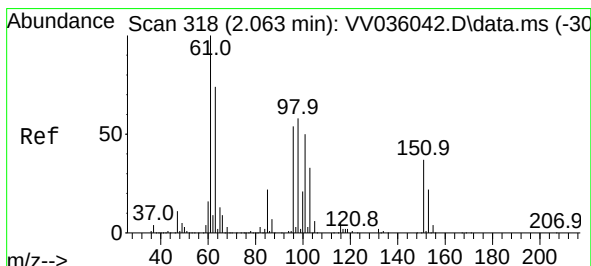
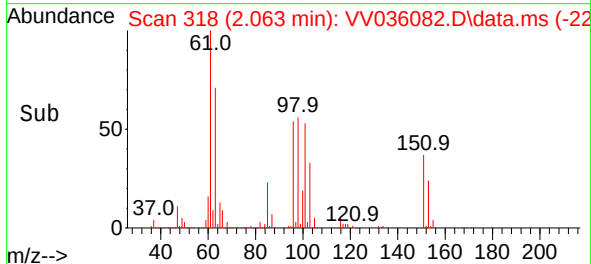
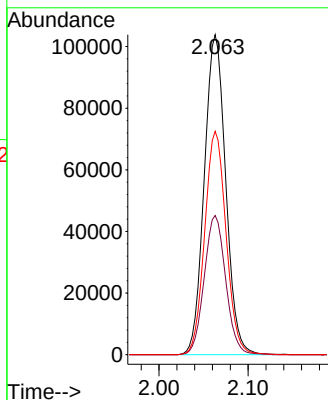
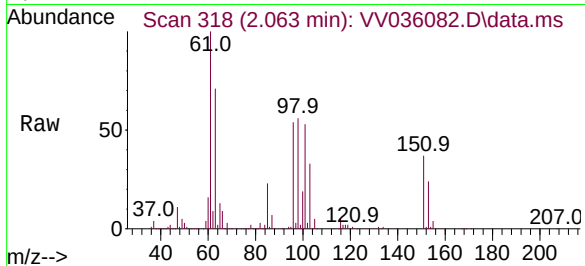
Tgt Ion:101 Resp: 173493

Ion Ratio Lower Upper

101 100

85 43.6 34.5 51.7

151 69.6 56.3 84.5



#12

1,1-Dichloroethene

Concen: 22.824 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

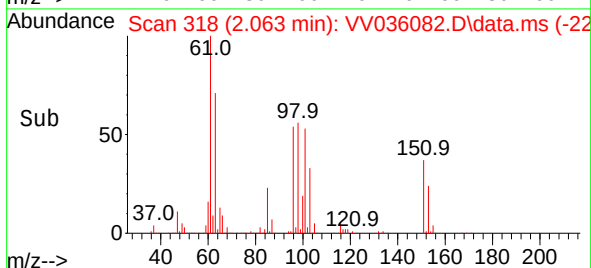
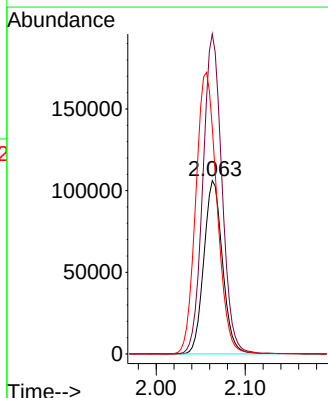
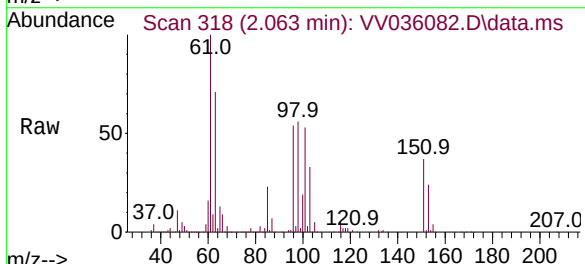
Tgt Ion: 96 Resp: 153970

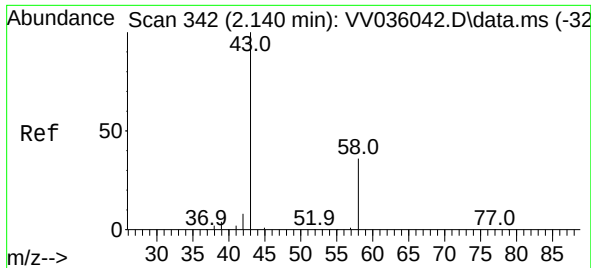
Ion Ratio Lower Upper

96 100

61 184.7 127.3 236.3

63 130.8 93.7 173.9





#13

Acetone

Concen: 28.641 ug/L

RT: 2.388 min Scan# 419

Delta R.T. 0.232 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

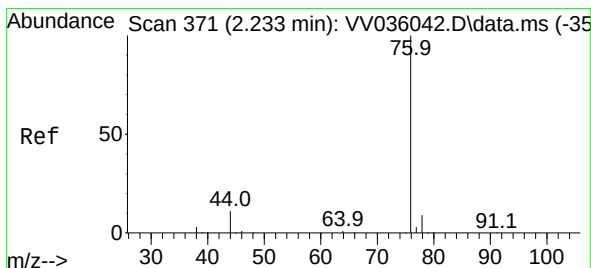
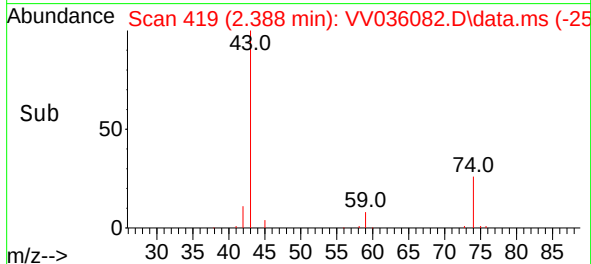
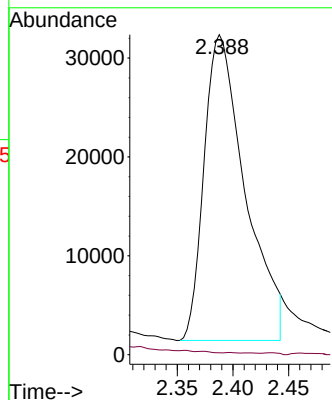
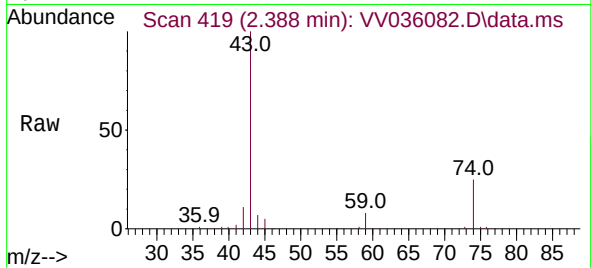
ClientSampleId :

Tgt Ion: 43 Resp: 79278

Ion Ratio Lower Upper

43 100

58 0.0 0.0 24.2



#14

Carbon disulfide

Concen: 19.607 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV036082.D

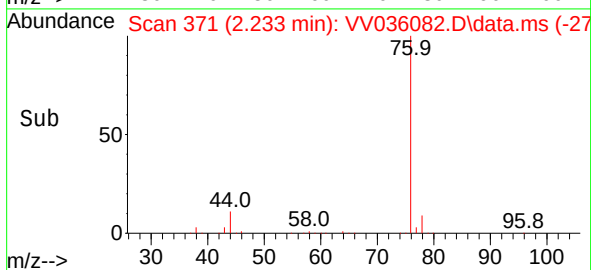
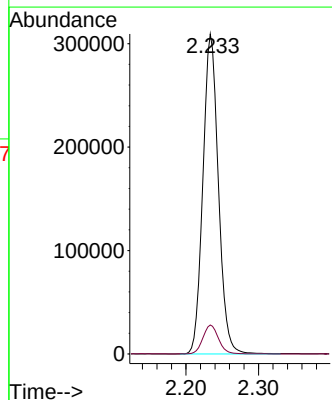
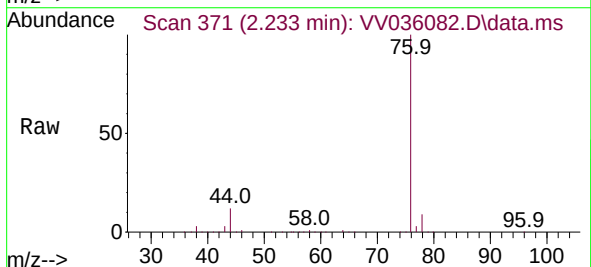
Acq: 14 Jun 2024 09:13

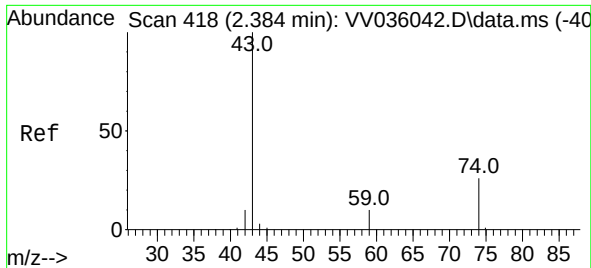
Tgt Ion: 76 Resp: 459319

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 26.529 ug/L

RT: 2.388 min Scan# 418

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

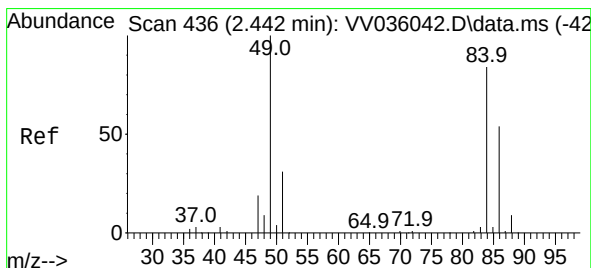
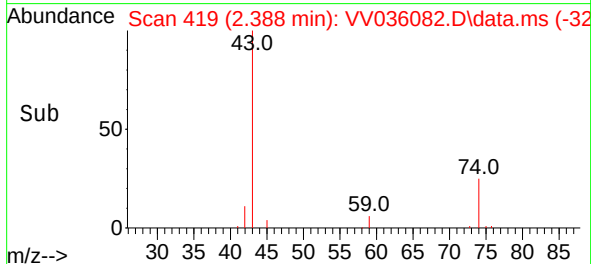
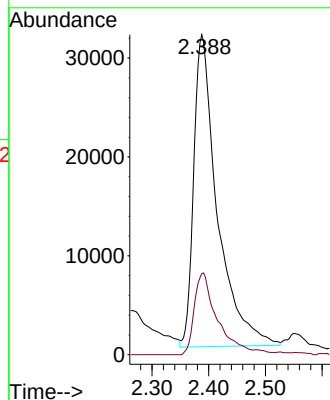
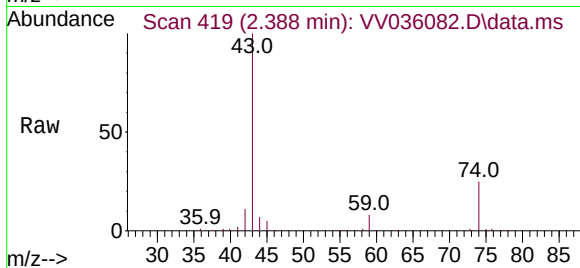
ClientSampleId :

Tgt Ion: 43 Resp: 91276

Ion Ratio Lower Upper

43 100

74 25.2 21.4 32.2



#16

Methylene chloride

Concen: 19.998 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

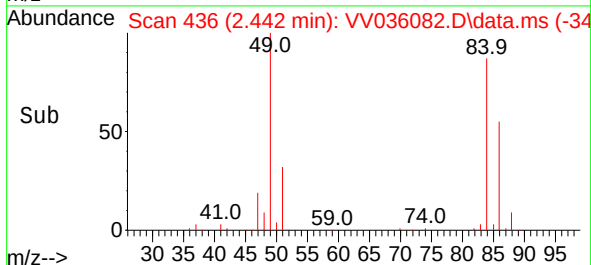
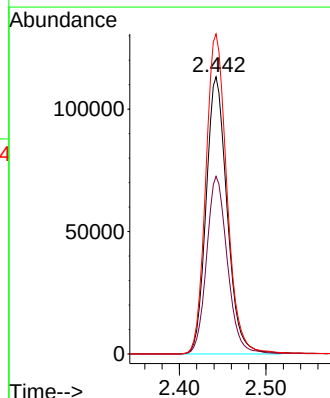
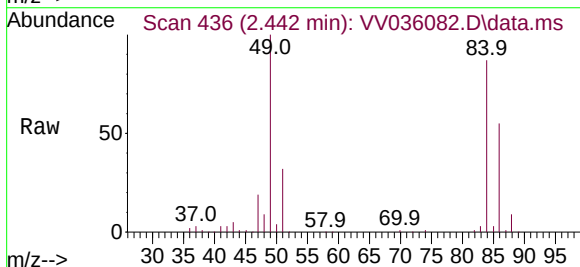
Tgt Ion: 84 Resp: 190629

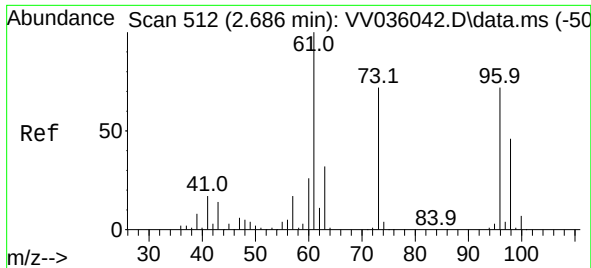
Ion Ratio Lower Upper

84 100

86 64.1 44.6 82.8

49 115.5 81.1 150.5

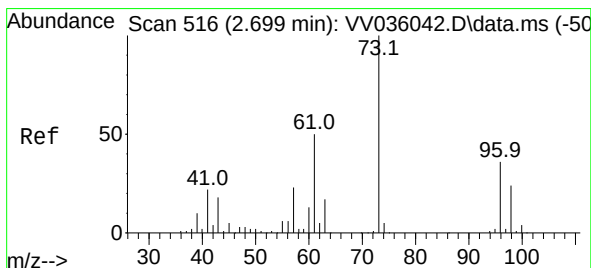
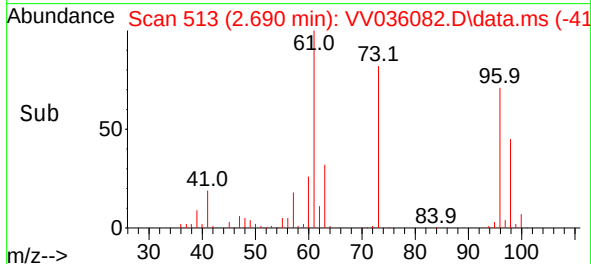
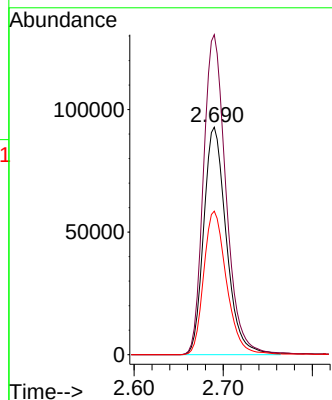
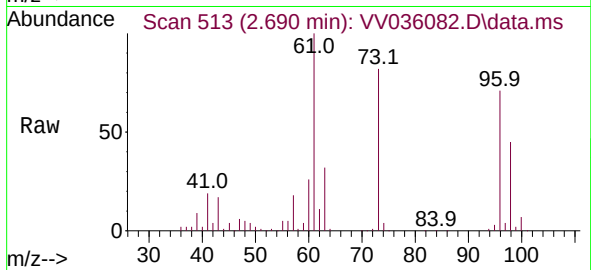




#17
trans-1,2-Dichloroethene
Concen: 22.820 ug/L
RT: 2.690 min Scan# 512
Delta R.T. 0.003 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

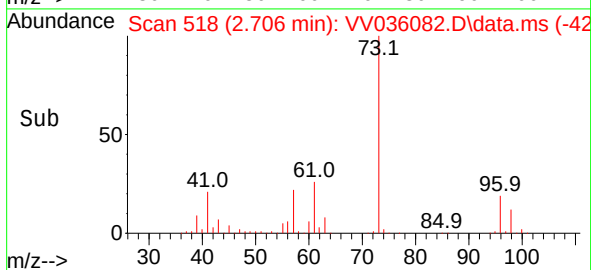
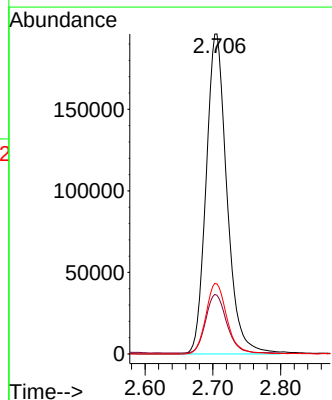
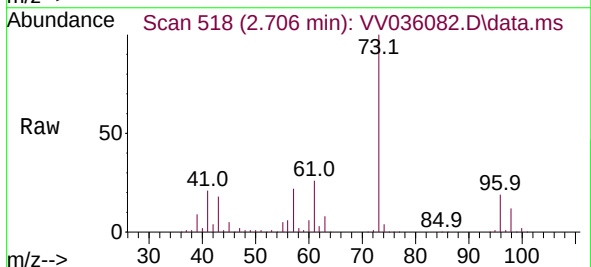
Instrument :
MSVOA_V
ClientSampleId :

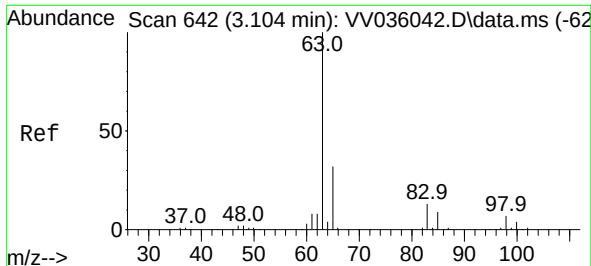
Tgt Ion: 96 Resp: 163530
Ion Ratio Lower Upper
96 100
61 140.7 99.4 184.6
98 63.1 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 26.023 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

Tgt Ion: 73 Resp: 418636
Ion Ratio Lower Upper
73 100
43 18.2 14.3 21.5
57 22.4 17.8 26.6





#19

1,1-Dichloroethane

Concen: 24.443 ug/L

RT: 3.108 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

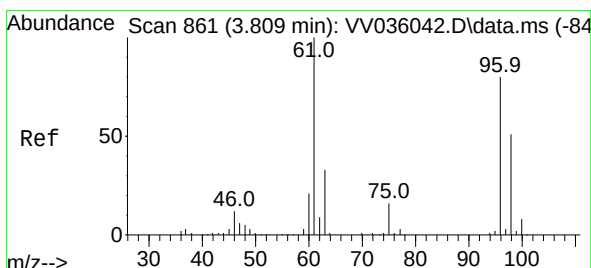
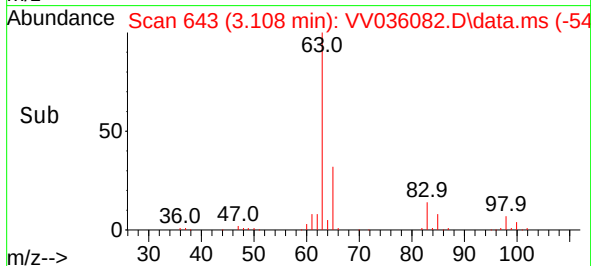
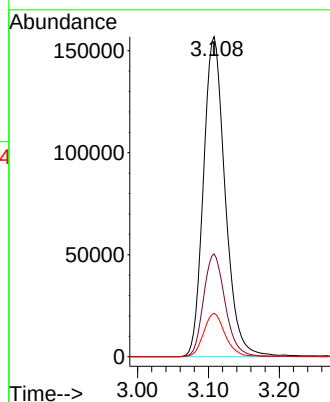
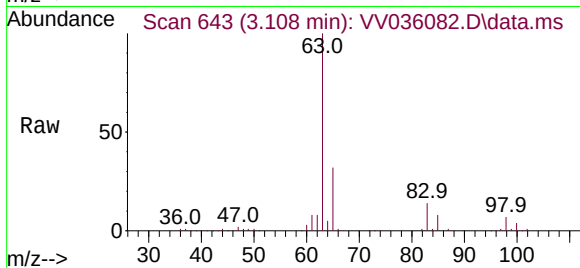
Tgt Ion: 63 Resp: 333560

Ion Ratio Lower Upper

63 100

65 32.1 22.4 41.6

83 13.6 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 24.258 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

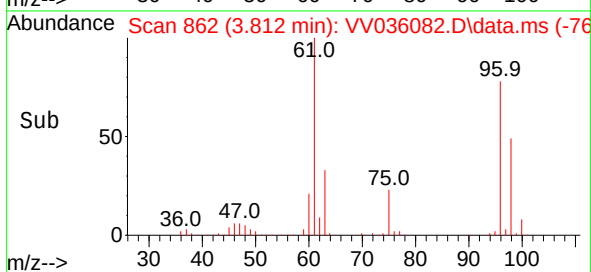
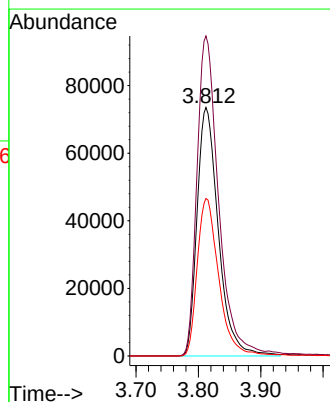
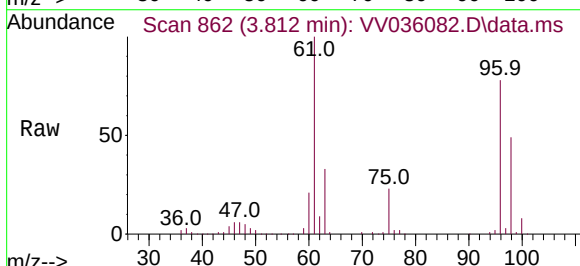
Tgt Ion: 96 Resp: 174672

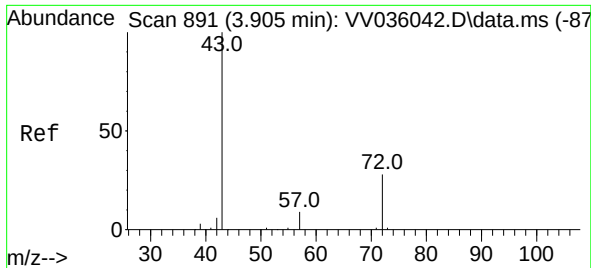
Ion Ratio Lower Upper

96 100

61 128.8 87.9 163.3

98 63.4 44.4 82.5

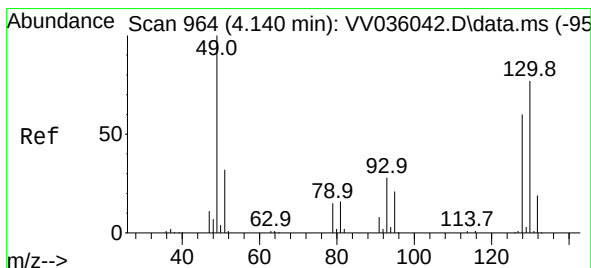
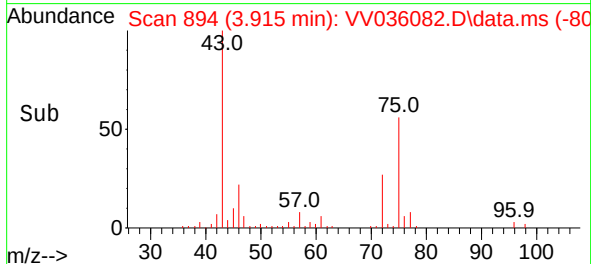
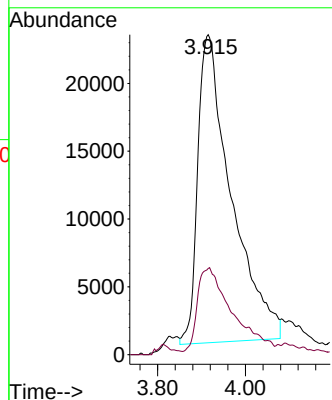
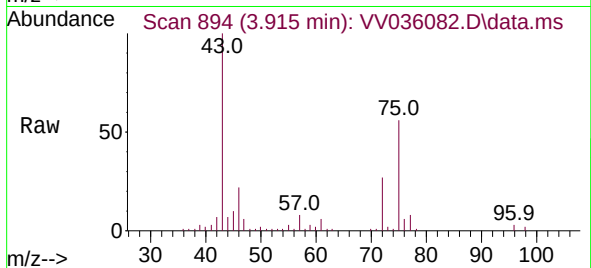




#22
2-Butanone
Concen: 51.207 ug/L
RT: 3.915 min Scan# 891
Delta R.T. -0.003 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

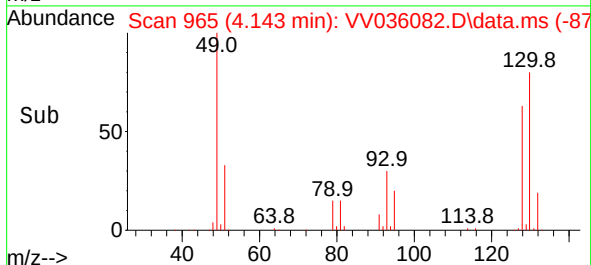
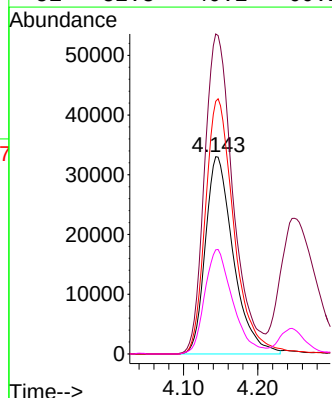
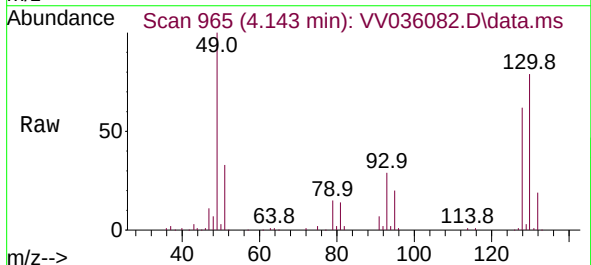
Instrument :
MSVOA_V
ClientSampleId :

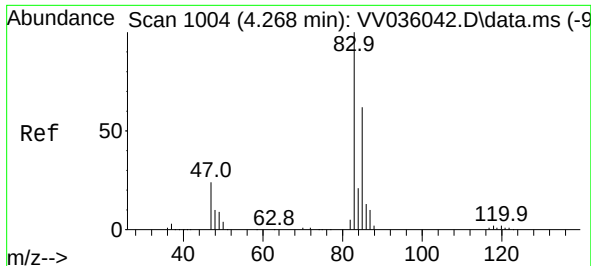
Tgt Ion: 43 Resp: 120270
Ion Ratio Lower Upper
43 100
72 24.5 8.2 24.4#



#23
Bromochloromethane
Concen: 23.918 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.003 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

Tgt Ion:128 Resp: 86388
Ion Ratio Lower Upper
128 100
49 162.2 110.2 204.6
130 128.1 90.2 167.4
51 52.8 40.2 60.2





#25

Chloroform

Concen: 24.260 ug/L

RT: 4.272 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

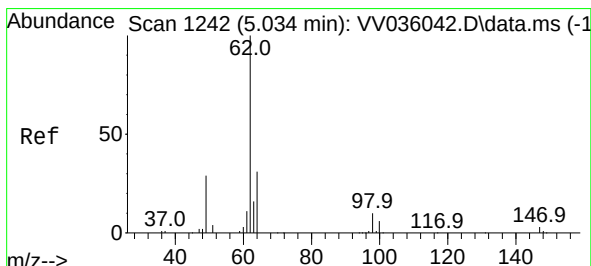
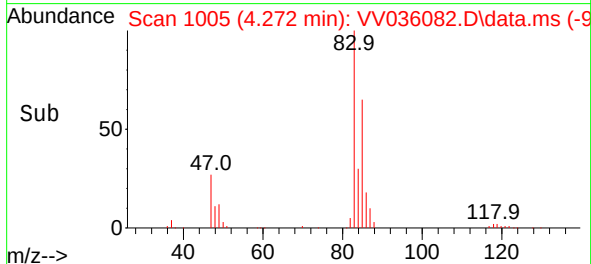
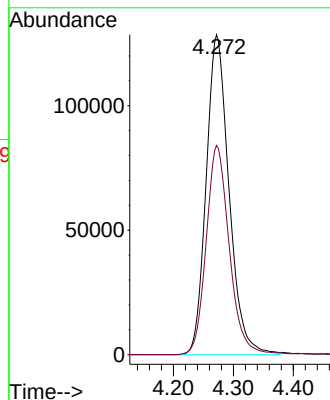
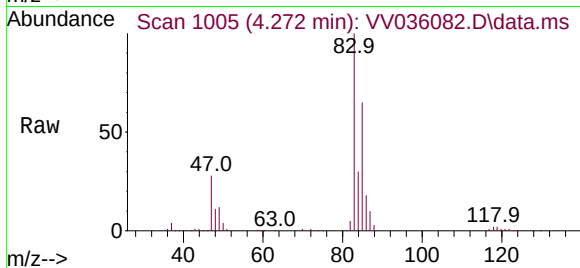
ClientSampleId :

Tgt Ion: 83 Resp: 340568

Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 25.146 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV036082.D

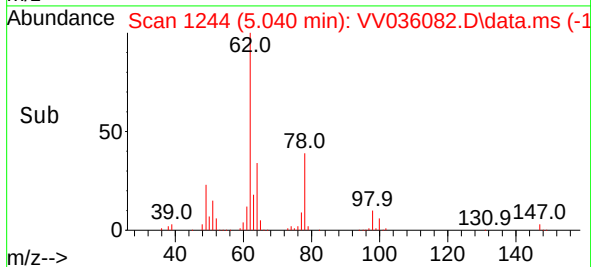
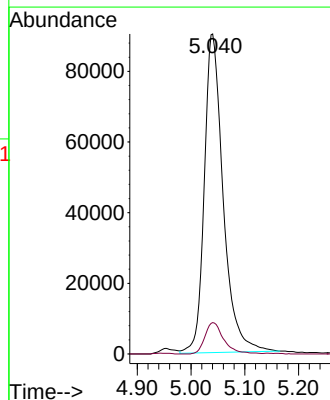
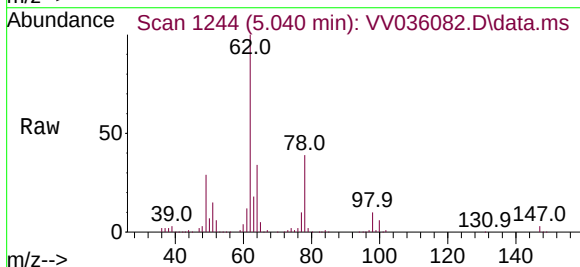
Acq: 14 Jun 2024 09:13

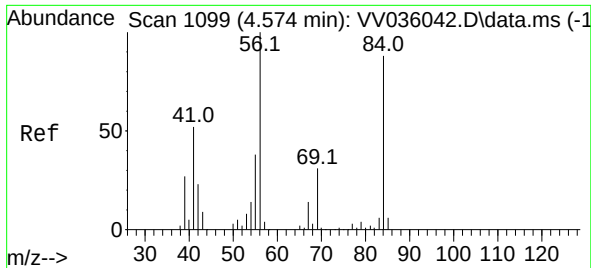
Tgt Ion: 62 Resp: 220380

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.6





#29

Cyclohexane

Concen: 23.805 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

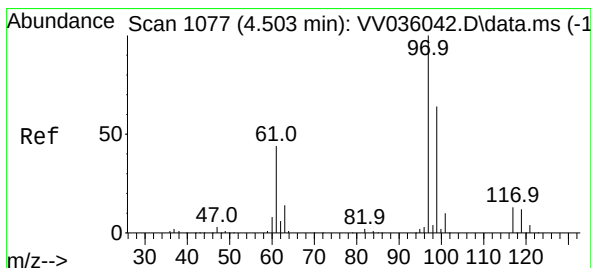
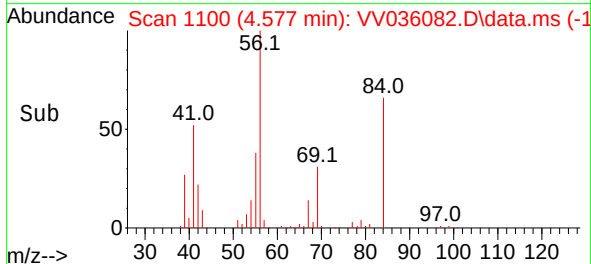
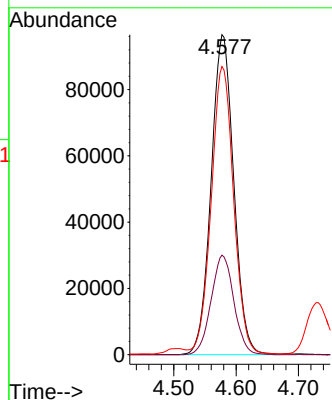
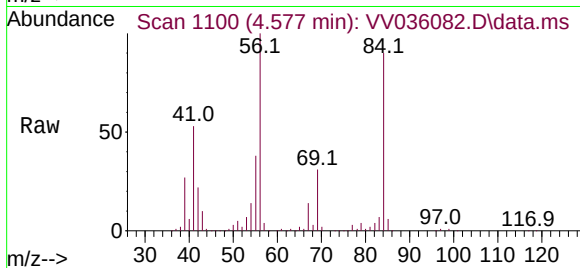
Tgt Ion: 56 Resp: 242946

Ion Ratio Lower Upper

56 100

69 31.3 25.2 37.8

84 89.4 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 24.373 ug/L

RT: 4.507 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

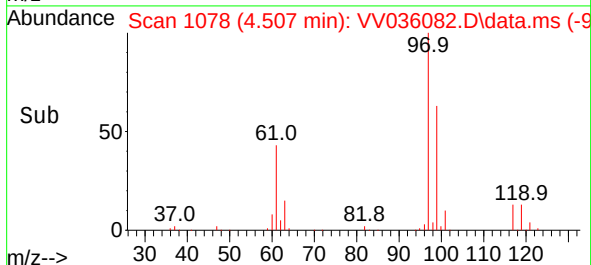
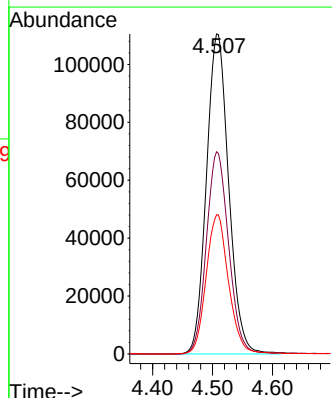
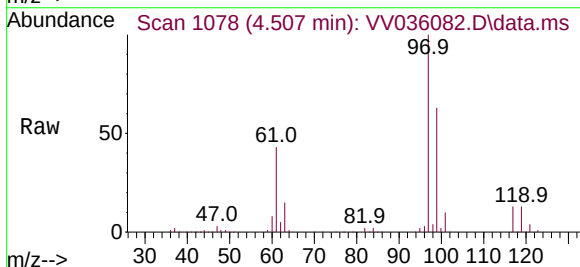
Tgt Ion: 97 Resp: 285607

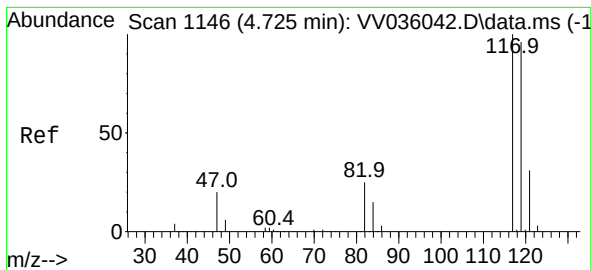
Ion Ratio Lower Upper

97 100

99 63.2 50.9 76.3

61 43.8 35.0 52.6





#31

Carbon tetrachloride

Concen: 23.637 ug/L

RT: 4.732 min Scan# 1146

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

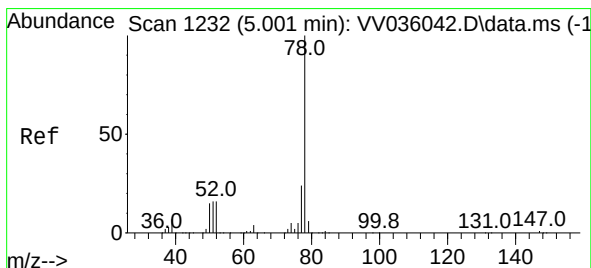
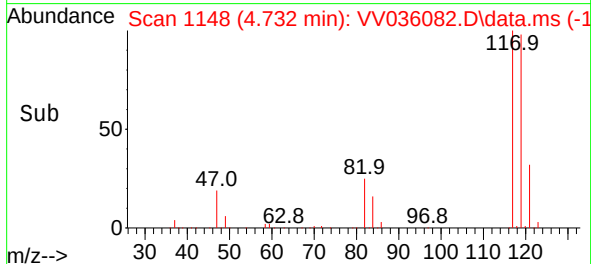
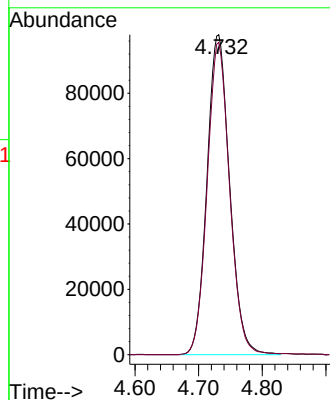
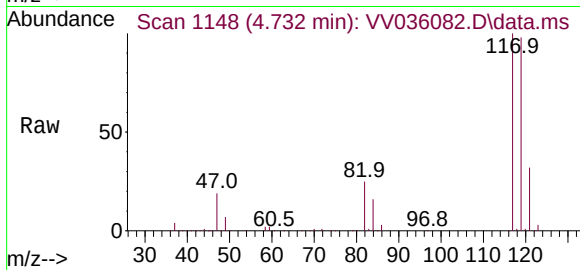
ClientSampleId :

Tgt Ion:117 Resp: 242986

Ion Ratio Lower Upper

117 100

119 96.3 76.8 115.2



#33

Benzene

Concen: 24.873 ug/L

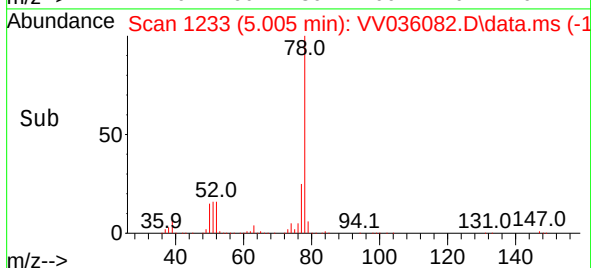
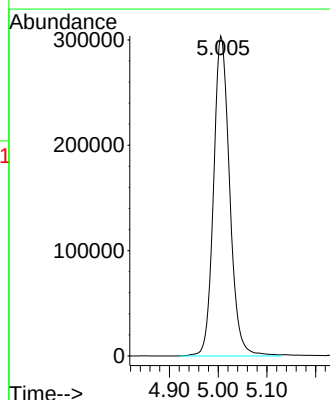
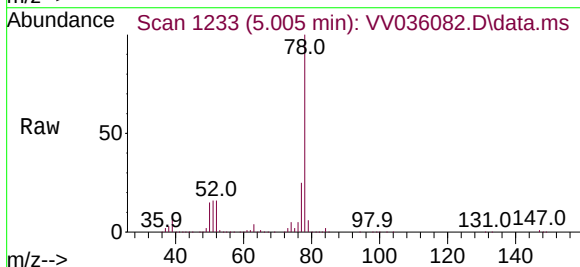
RT: 5.005 min Scan# 1233

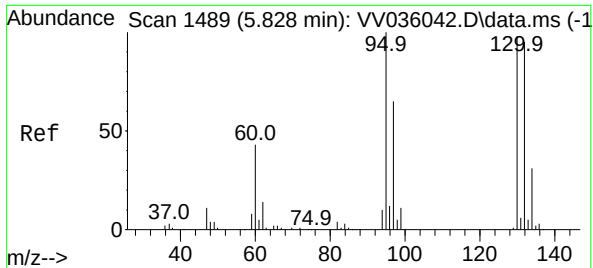
Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Tgt Ion: 78 Resp: 697276

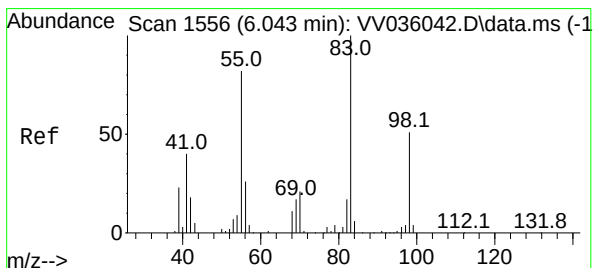
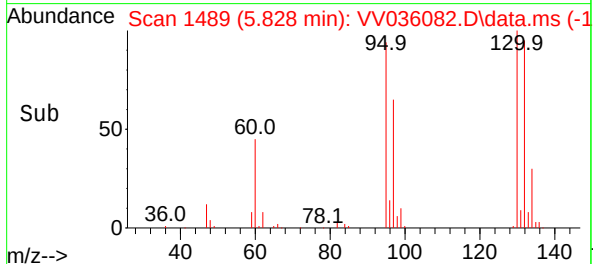
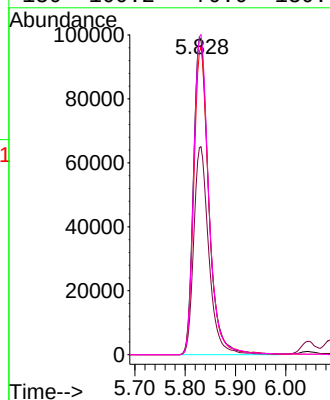
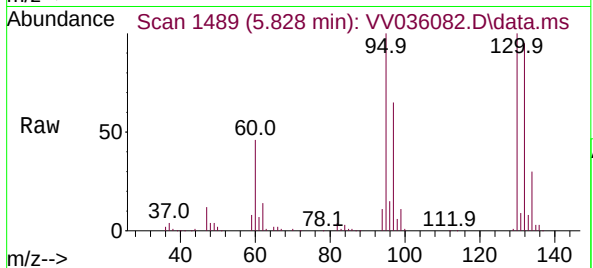




#34
Trichloroethene
Concen: 24.361 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

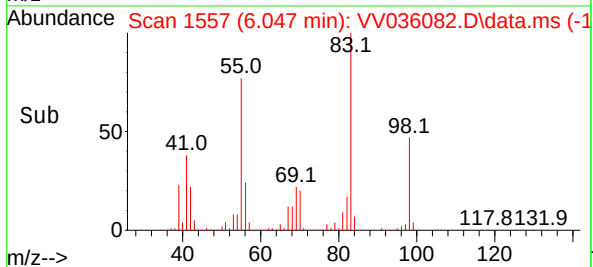
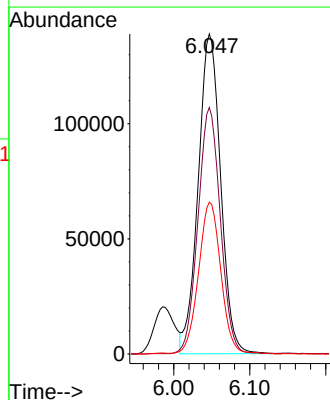
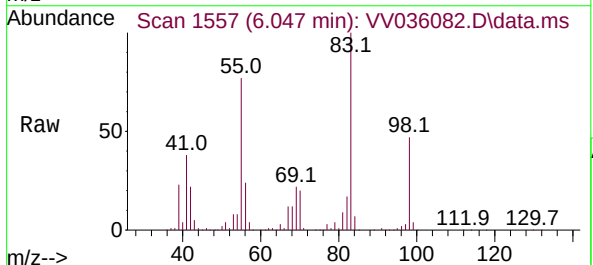
Instrument :
MSVOA_V
ClientSampleId :

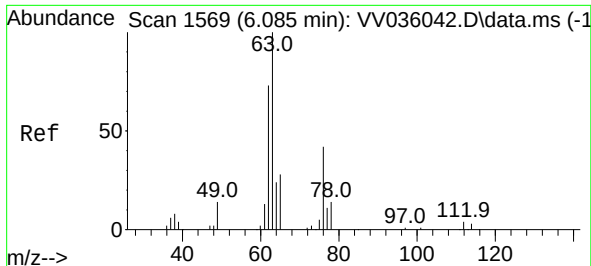
Tgt Ion: 95 Resp: 209311
Ion Ratio Lower Upper
95 100
97 65.2 44.8 83.2
132 95.5 66.8 124.2
130 100.2 70.0 130.0



#35
Methylcyclohexane
Concen: 24.030 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

Tgt Ion: 83 Resp: 285521
Ion Ratio Lower Upper
83 100
55 76.2 60.7 91.1
98 46.9 38.7 58.1





#37

1,2-Dichloropropane

Concen: 25.923 ug/L

RT: 6.089 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

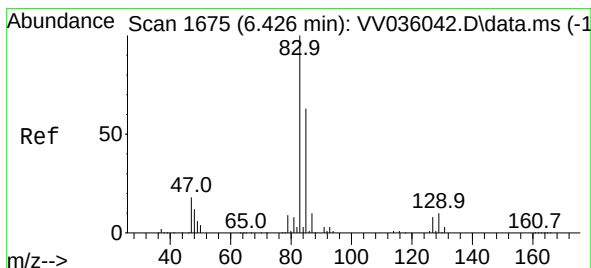
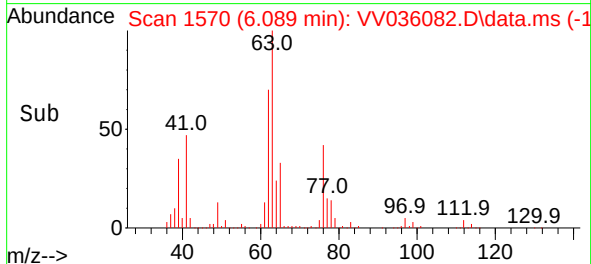
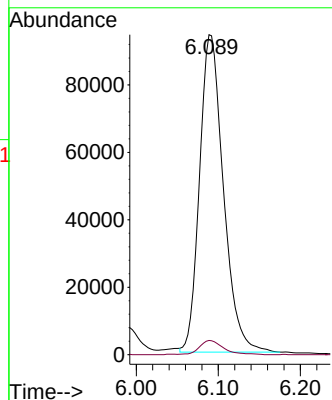
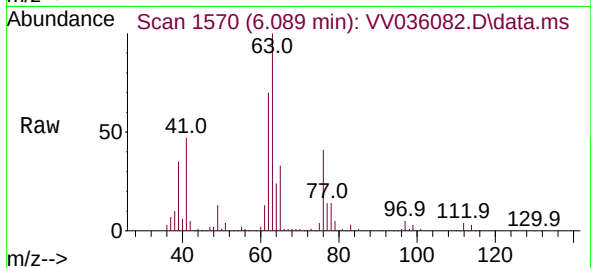
ClientSampleId :

Tgt Ion: 63 Resp: 190821

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 25.204 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

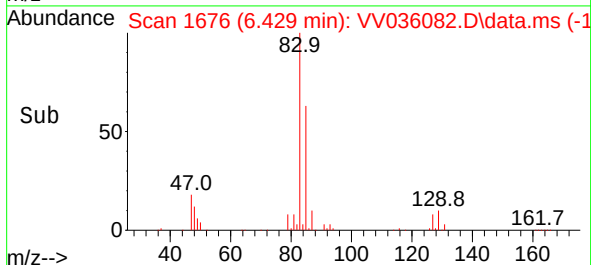
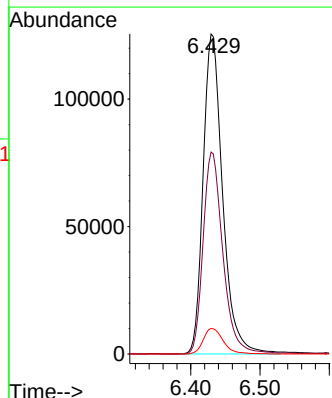
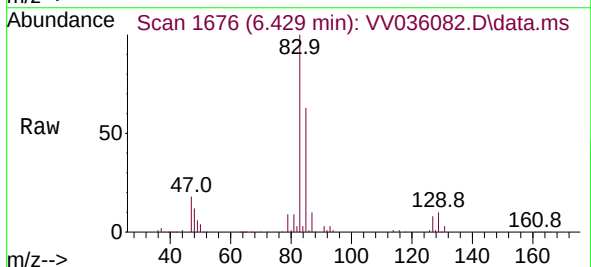
Tgt Ion: 83 Resp: 245561

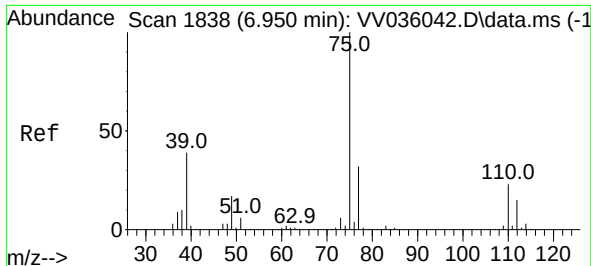
Ion Ratio Lower Upper

83 100

85 63.1 45.3 84.1

127 8.0 6.7 10.1

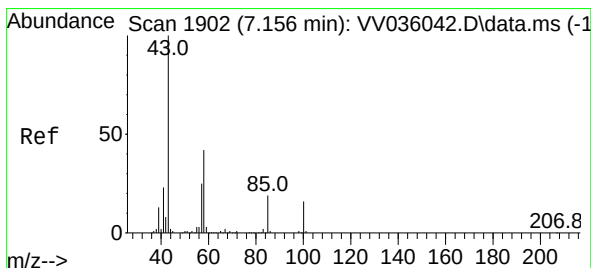
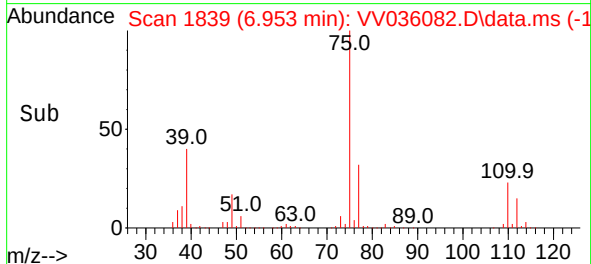
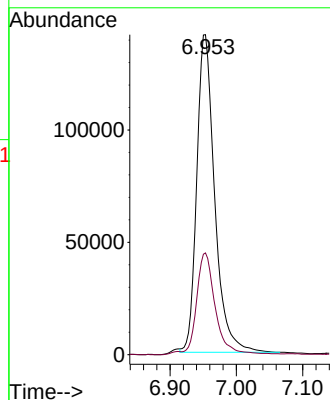
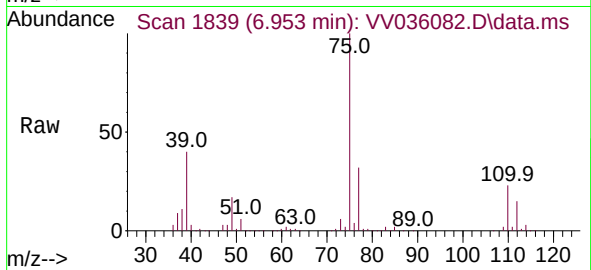




#39
 cis-1,3-Dichloropropene
 Concen: 24.141 ug/L
 RT: 6.953 min Scan# 1839
 Delta R.T. 0.003 min
 Lab File: VV036082.D
 Acq: 14 Jun 2024 09:13

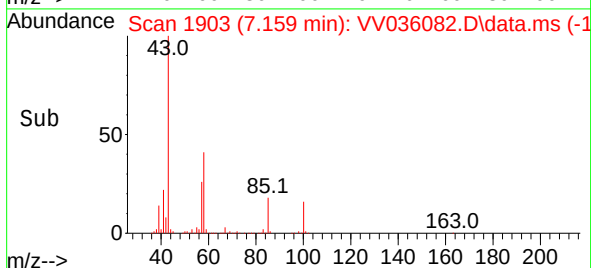
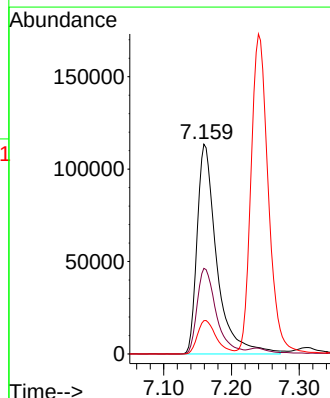
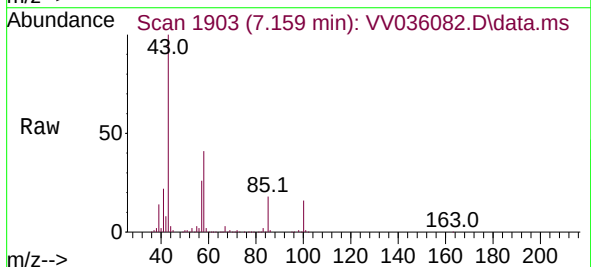
Instrument :
 MSVOA_V
 ClientSampleId :

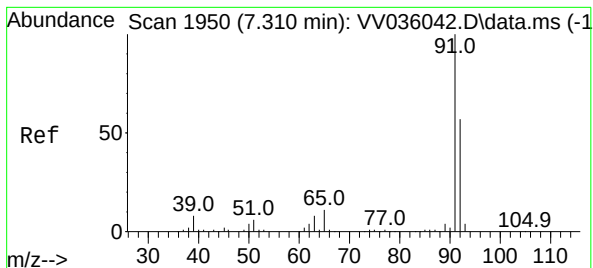
Tgt Ion: 75 Resp: 265781
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 57.256 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV036082.D
 Acq: 14 Jun 2024 09:13

Tgt Ion: 43 Resp: 228985
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.5 48.7
 100 15.2 12.5 18.7





#42

Toluene

Concen: 25.839 ug/L

RT: 7.314 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

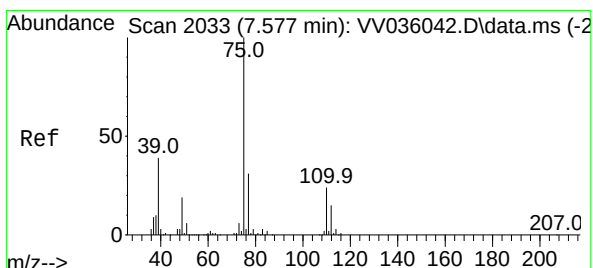
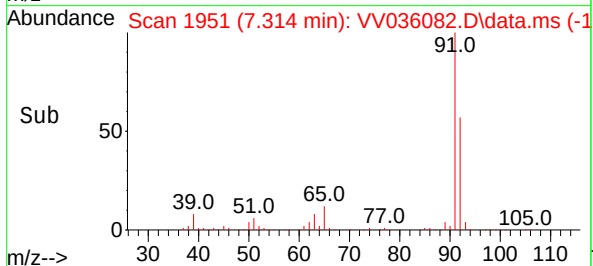
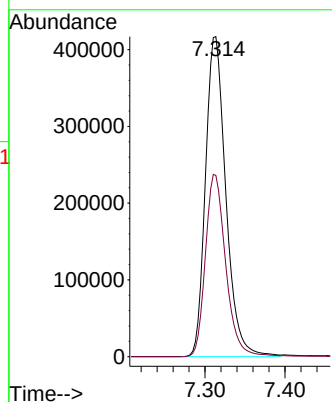
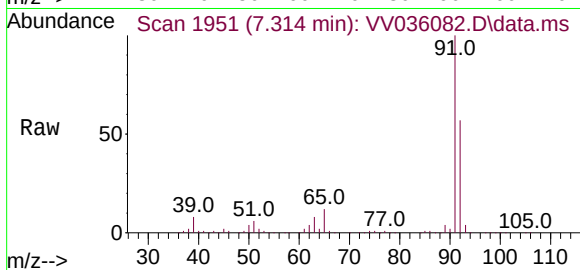
ClientSampleId :

Tgt Ion: 91 Resp: 740179

Ion Ratio Lower Upper

91 100

92 56.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 26.225 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036082.D

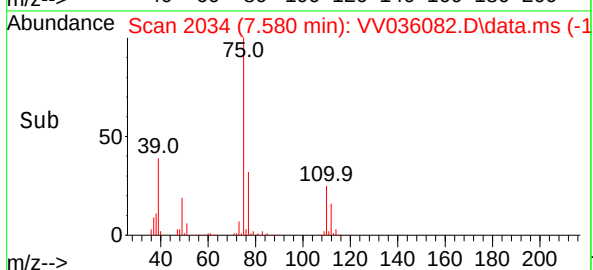
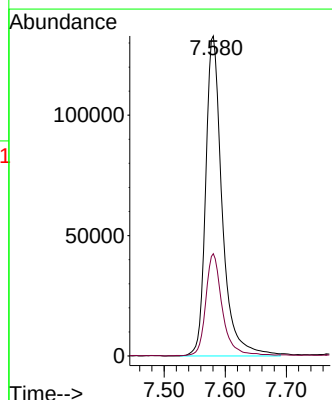
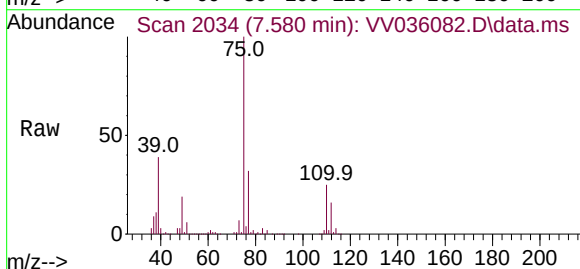
Acq: 14 Jun 2024 09:13

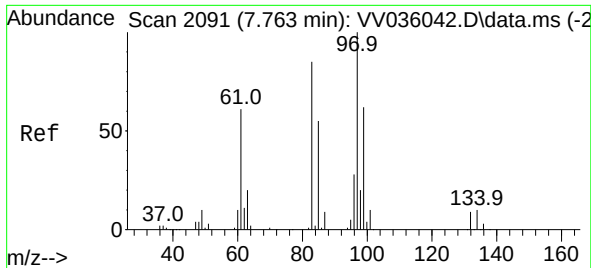
Tgt Ion: 75 Resp: 249389

Ion Ratio Lower Upper

75 100

77 32.0 23.1 42.9

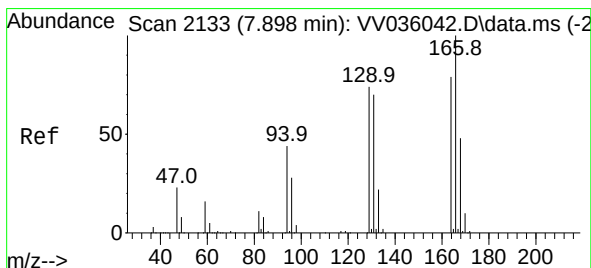
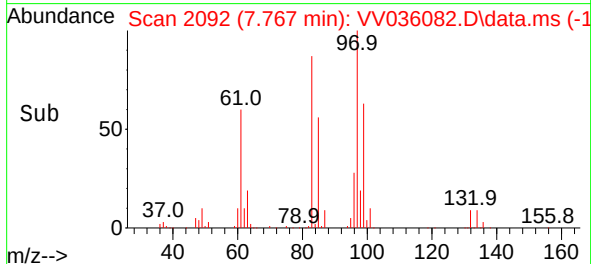
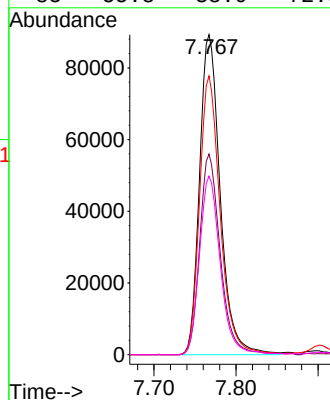
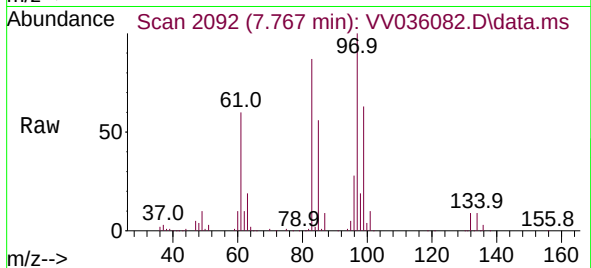




#45
1,1,2-Trichloroethane
Concen: 25.676 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. 0.000 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

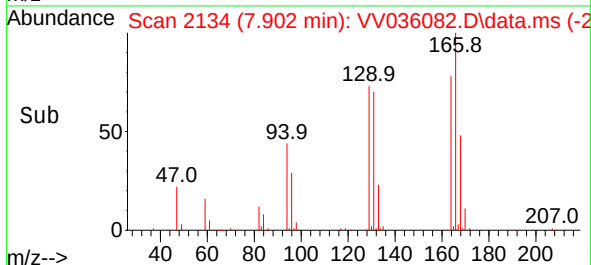
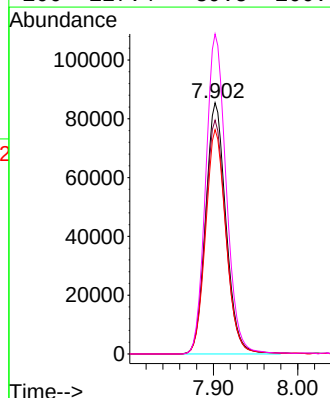
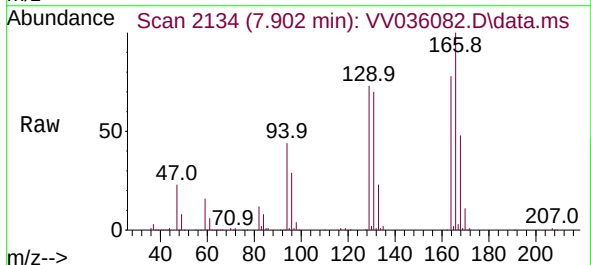
Instrument :
MSVOA_V
ClientSampleId :

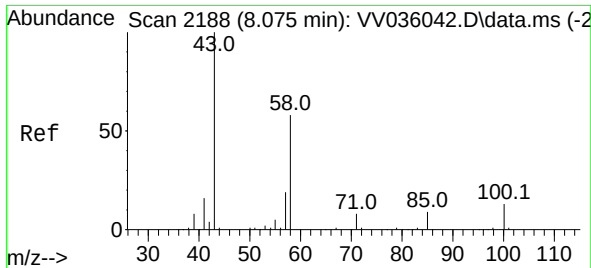
Tgt Ion:	97	Resp:	156383
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.3	80.5
83	87.1	60.1	111.7
85	55.8	38.9	72.3



#46
Tetrachloroethene
Concen: 22.912 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

Tgt Ion:	164	Resp:	143978
Ion	Ratio	Lower	Upper
164	100		
129	93.1	64.6	120.0
131	89.3	63.2	117.4
166	127.4	89.5	166.3





#48

2-Hexanone

Concen: 57.347 ug/L

RT: 8.079 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 43 Resp: 179300

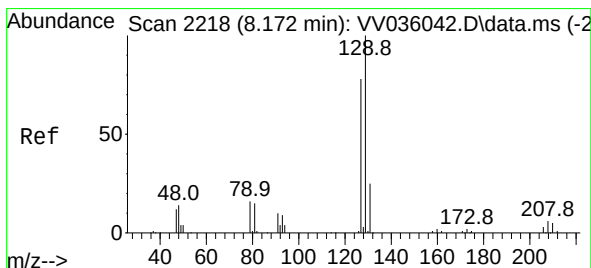
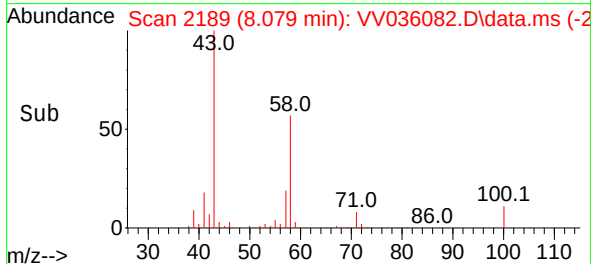
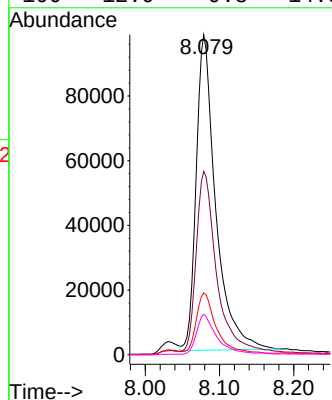
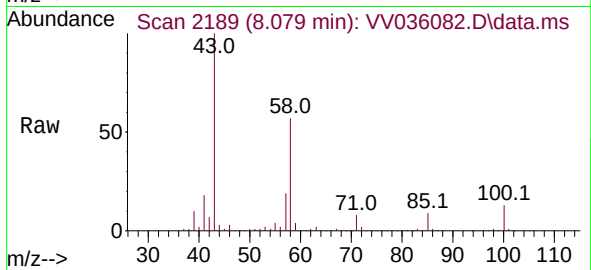
Ion Ratio Lower Upper

43 100

58 60.5 45.4 68.0

57 20.1 15.8 23.8

100 12.9 9.8 14.8



#49

Dibromochloromethane

Concen: 25.358 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.000 min

Lab File: VV036082.D

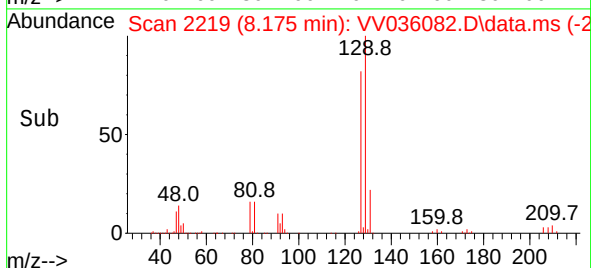
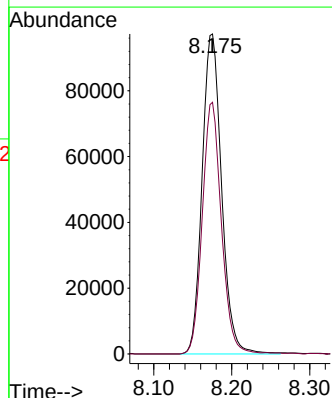
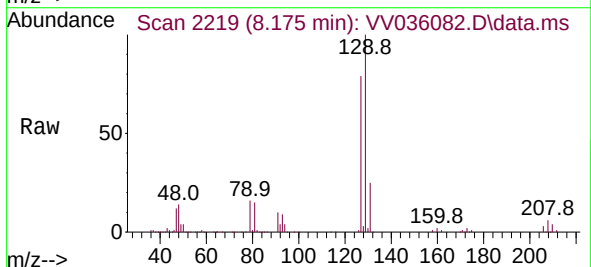
Acq: 14 Jun 2024 09:13

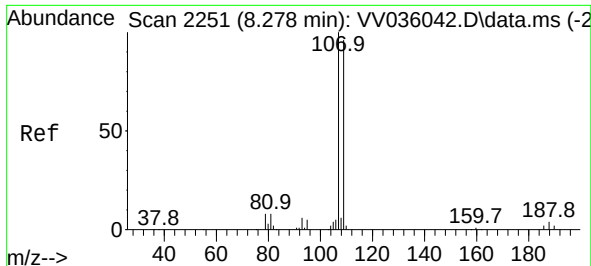
Tgt Ion:129 Resp: 169037

Ion Ratio Lower Upper

129 100

127 78.7 53.9 100.1





#50

1,2-Dibromoethane

Concen: 25.614 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

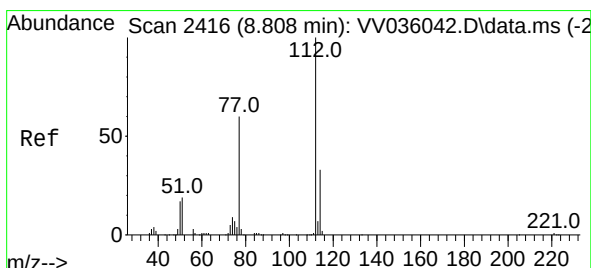
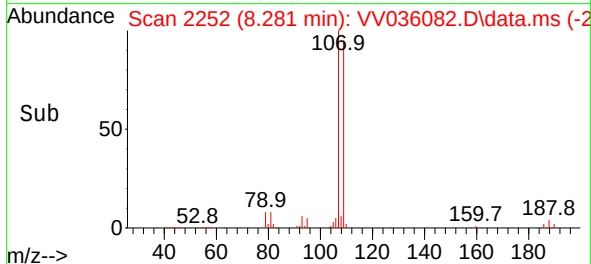
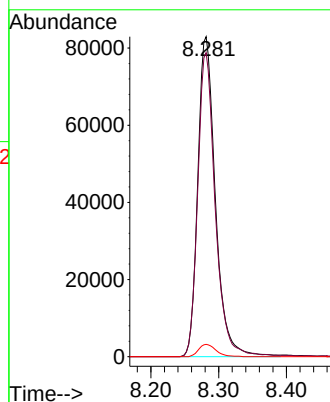
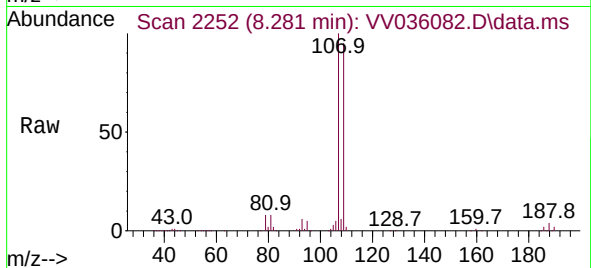
Tgt Ion:107 Resp: 149690

Ion Ratio Lower Upper

107 100

109 95.0 66.1 122.7

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 24.619 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

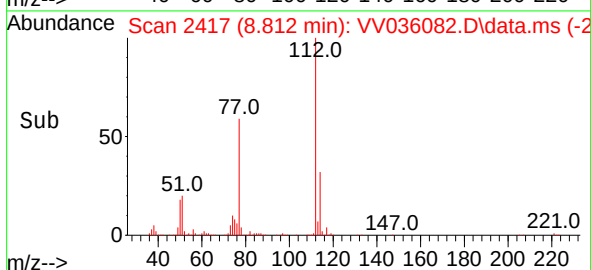
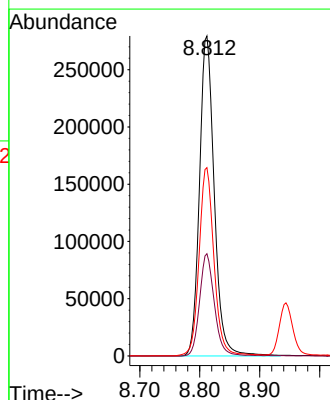
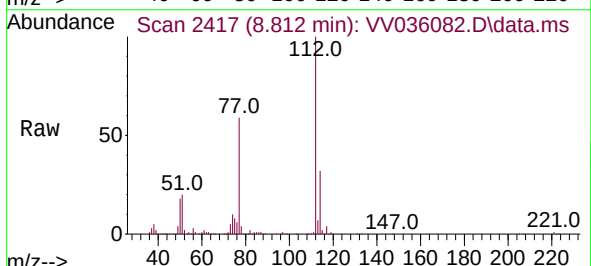
Tgt Ion:112 Resp: 480497

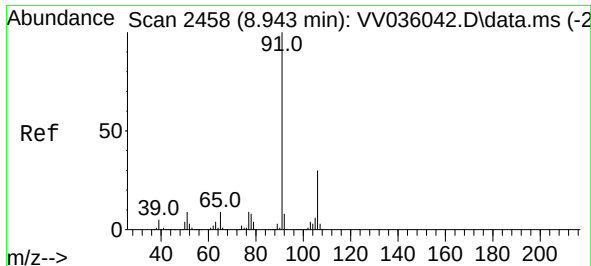
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 58.9 47.3 70.9





#52

Ethylbenzene

Concen: 25.916 ug/L

RT: 8.944 min Scan# 2458

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

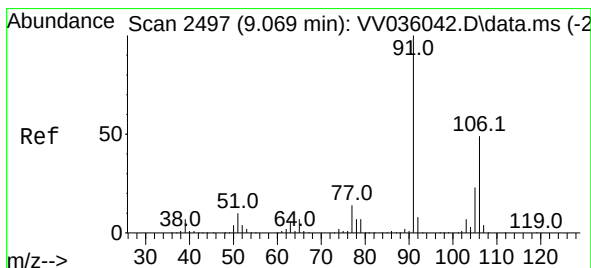
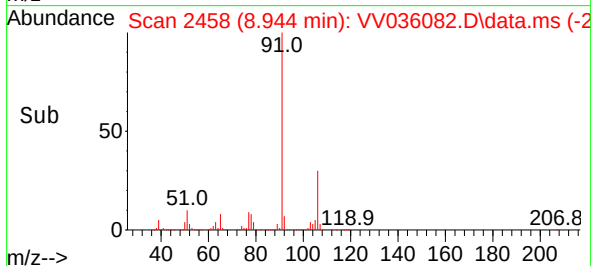
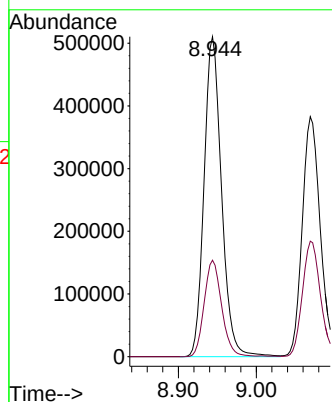
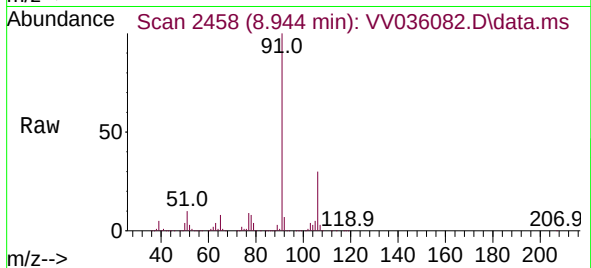
ClientSampleId :

Tgt Ion: 91 Resp: 794265

Ion Ratio Lower Upper

91 100

106 30.1 21.6 40.0



#53

m,p-Xylene

Concen: 25.797 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. -0.003 min

Lab File: VV036082.D

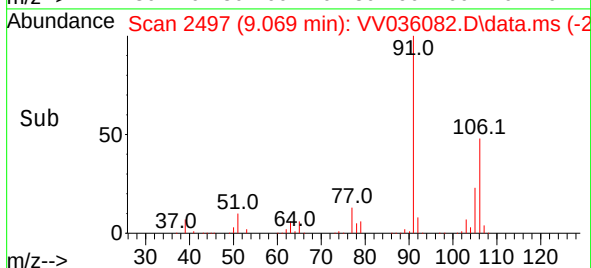
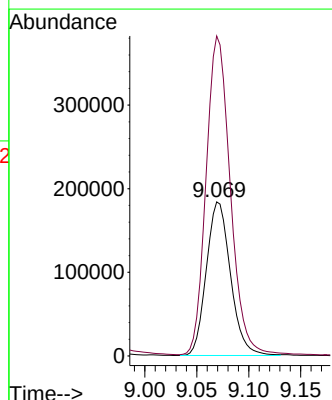
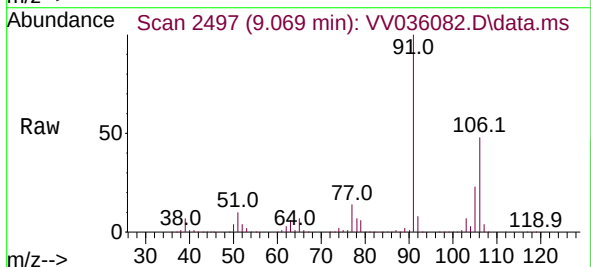
Acq: 14 Jun 2024 09:13

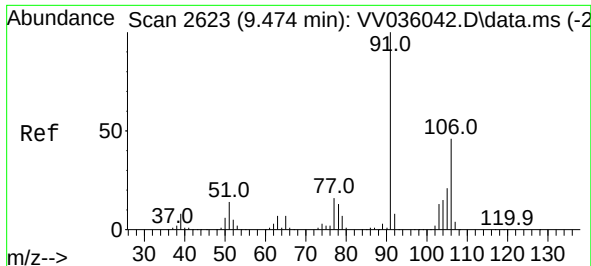
Tgt Ion: 106 Resp: 297075

Ion Ratio Lower Upper

106 100

91 207.6 143.1 265.9

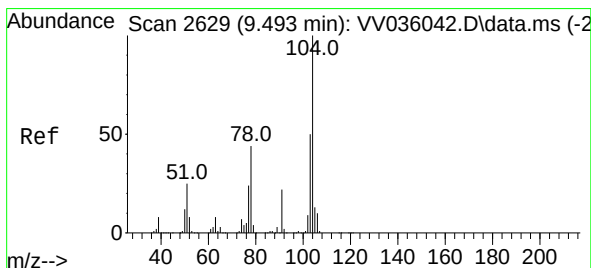
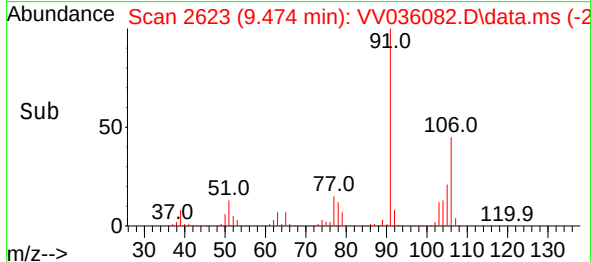
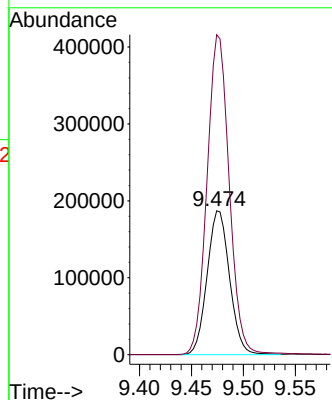
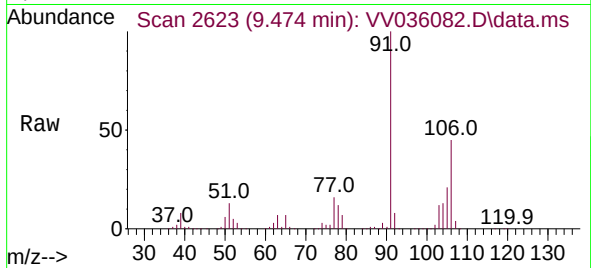




#54
o-Xylene
Concen: 25.886 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.003 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

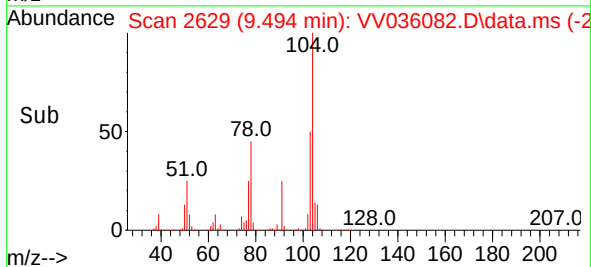
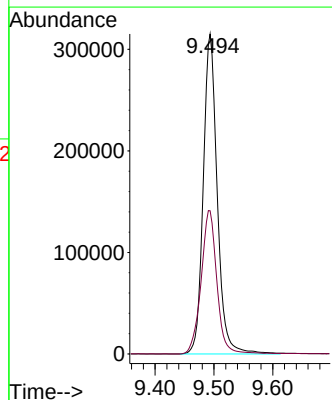
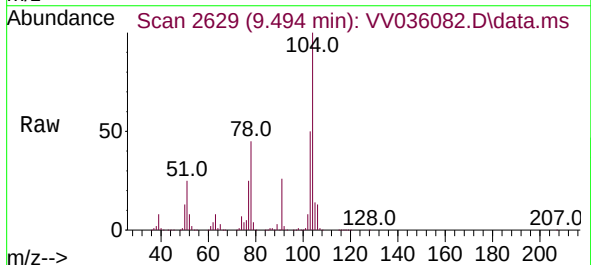
Instrument :
MSVOA_V
ClientSampleId :

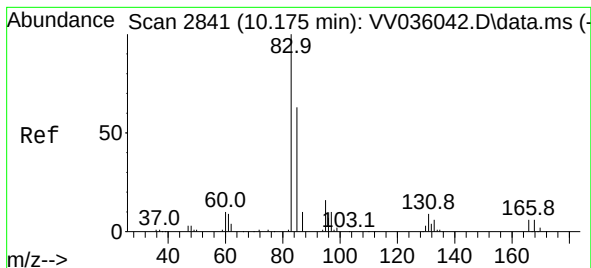
Tgt Ion:106 Resp: 281116
Ion Ratio Lower Upper
106 100
91 222.6 154.5 286.9



#55
Styrene
Concen: 27.205 ug/L
RT: 9.494 min Scan# 2629
Delta R.T. 0.000 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

Tgt Ion:104 Resp: 520985
Ion Ratio Lower Upper
104 100
78 44.8 31.4 58.2





#57

1,1,2,2-Tetrachloroethane

Concen: 25.706 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

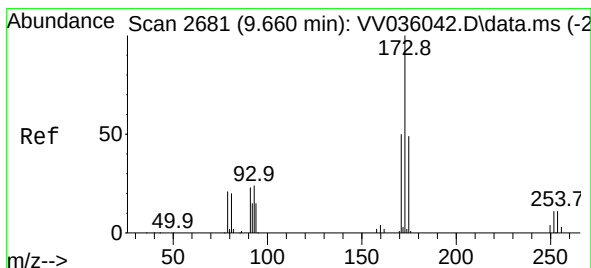
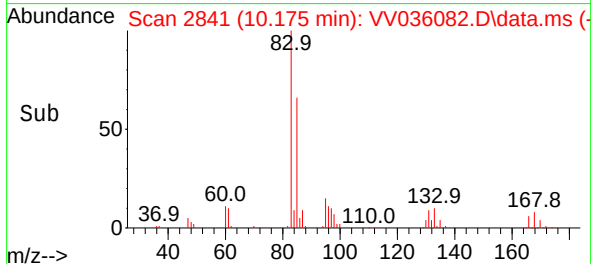
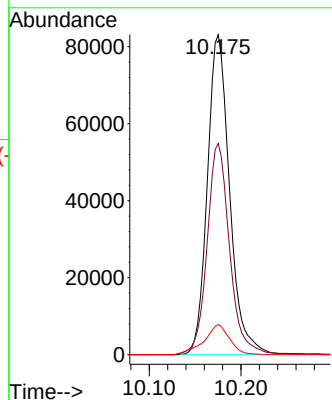
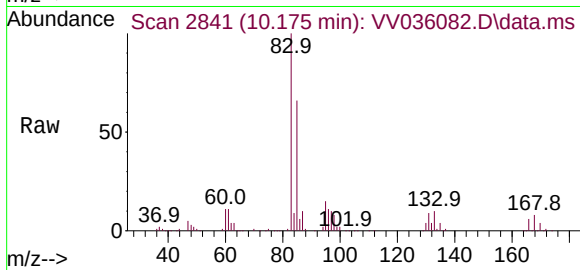
Tgt Ion: 83 Resp: 140195

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.7

131 9.4 7.6 11.4



#59

Bromoform

Concen: 24.783 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

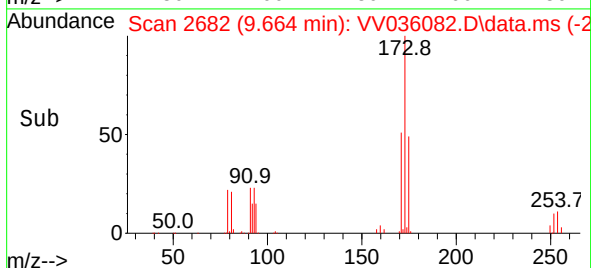
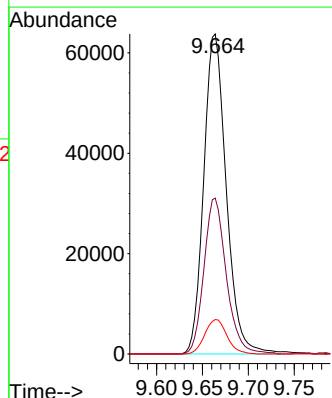
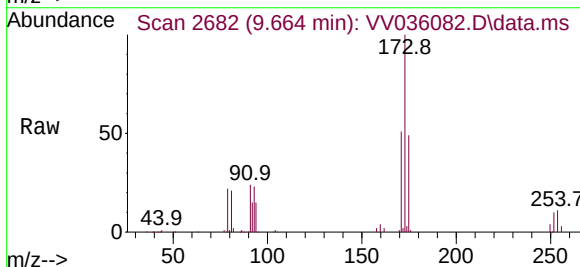
Tgt Ion: 173 Resp: 109104

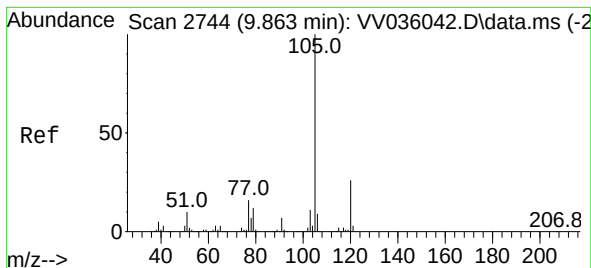
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

254 10.6 8.6 13.0





#60

Isopropylbenzene

Concen: 26.245 ug/L

RT: 9.863 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

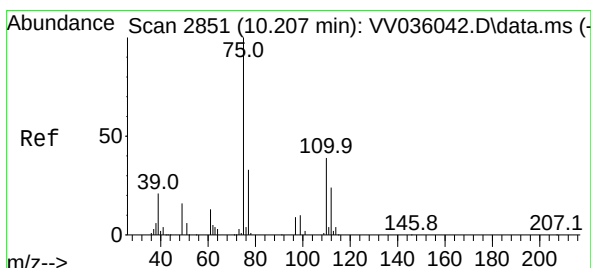
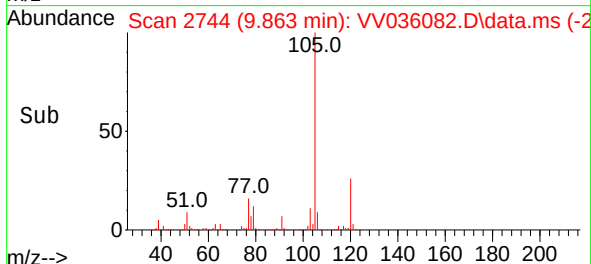
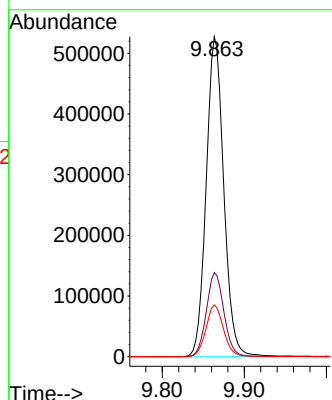
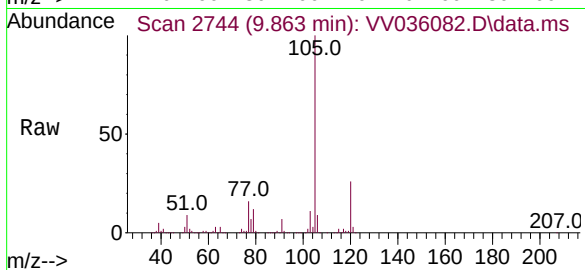
Tgt Ion:105 Resp: 786008

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 16.2 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 26.106 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

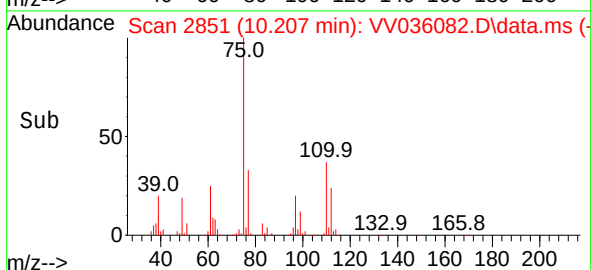
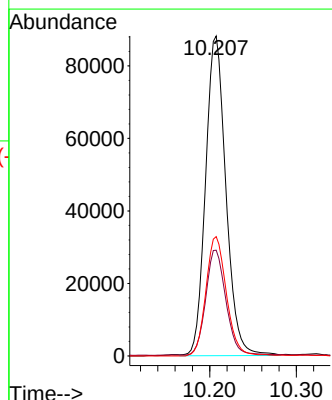
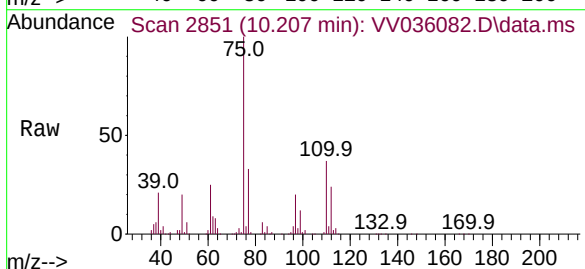
Tgt Ion: 75 Resp: 144131

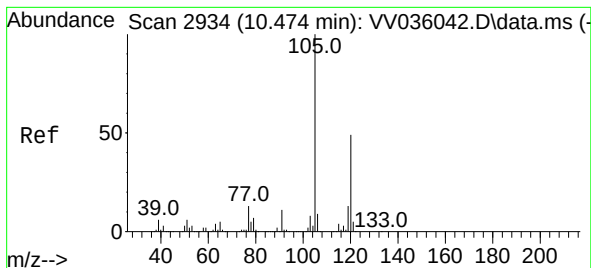
Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0

110 37.4 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 25.630 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

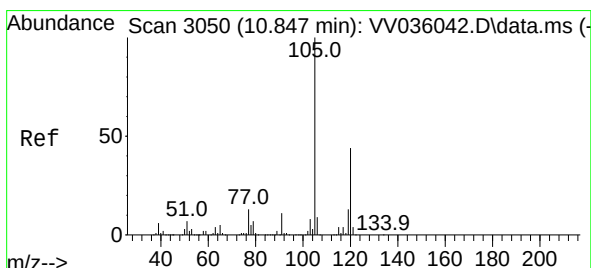
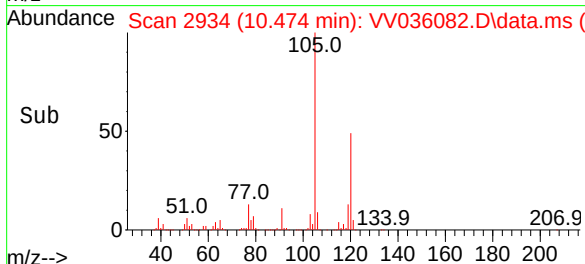
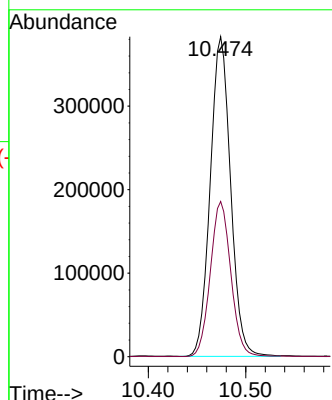
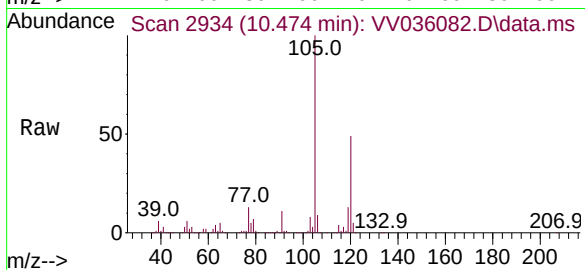
ClientSampleId :

Tgt Ion:105 Resp: 556609

Ion Ratio Lower Upper

105 100

120 48.8 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 26.435 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036082.D

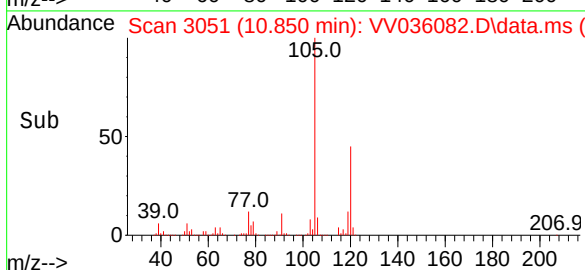
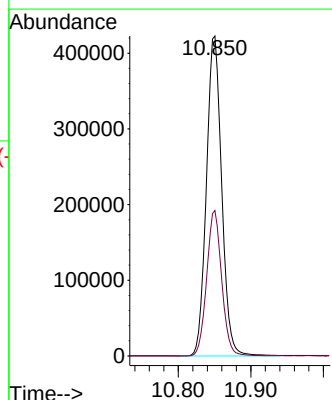
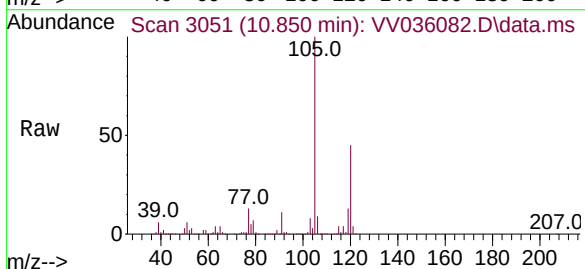
Acq: 14 Jun 2024 09:13

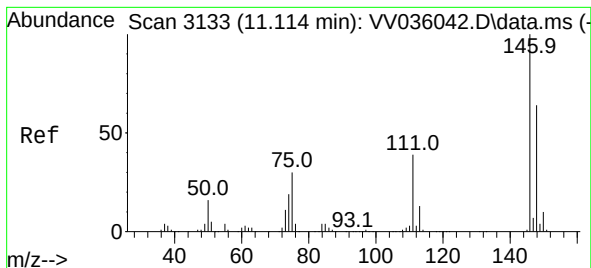
Tgt Ion:105 Resp: 618537

Ion Ratio Lower Upper

105 100

120 44.6 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 24.702 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

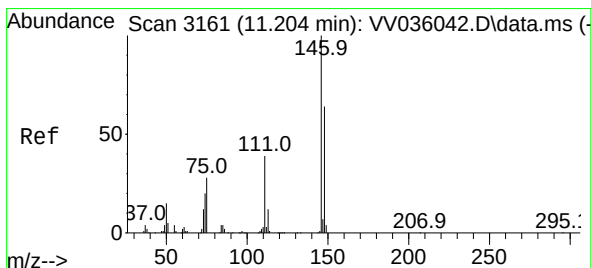
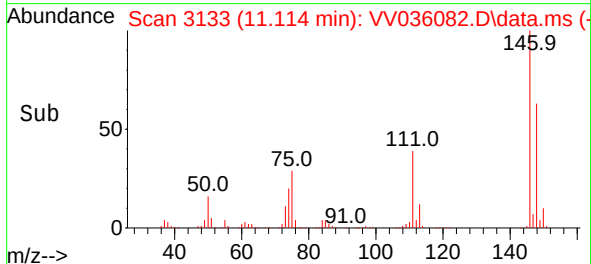
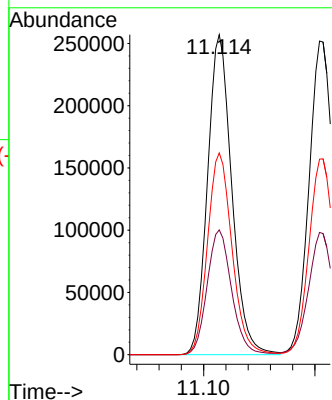
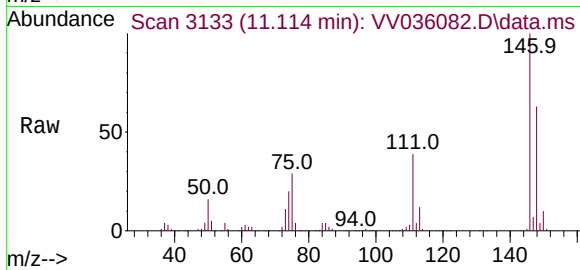
Tgt Ion:146 Resp: 388509

Ion Ratio Lower Upper

146 100

111 39.0 28.1 52.1

148 63.1 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 24.630 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.003 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

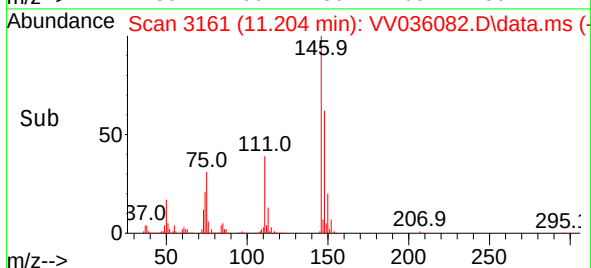
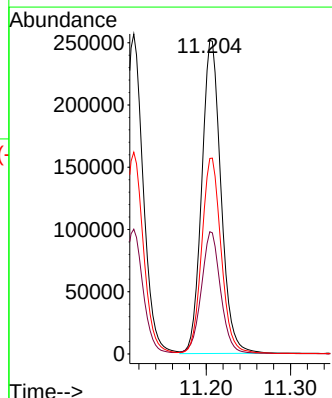
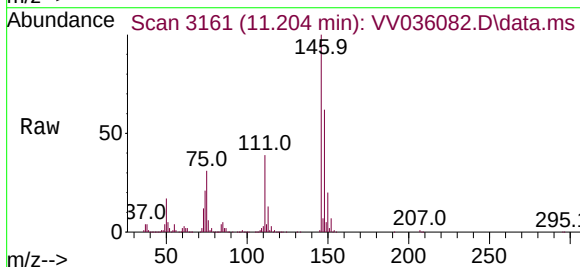
Tgt Ion:146 Resp: 399833

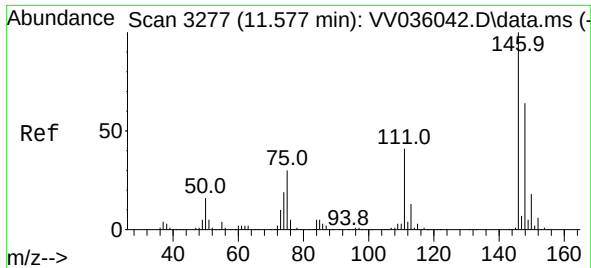
Ion Ratio Lower Upper

146 100

111 39.0 26.9 50.1

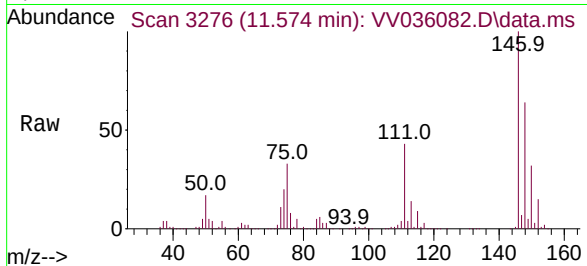
148 62.3 44.5 82.7



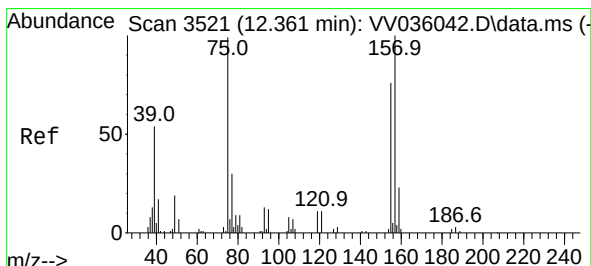
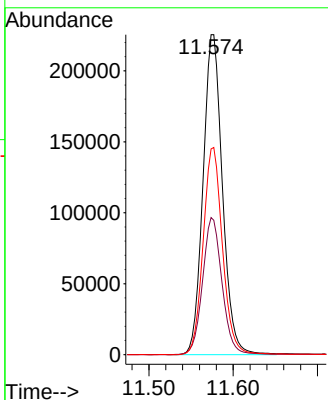
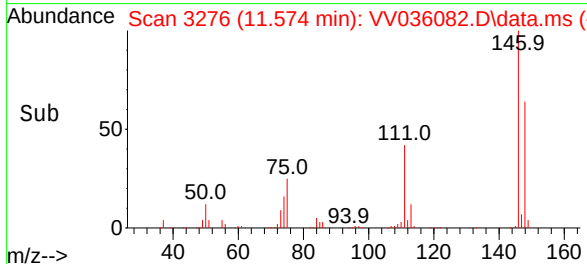


#67
1,2-Dichlorobenzene
Concen: 24.428 ug/L
RT: 11.574 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13

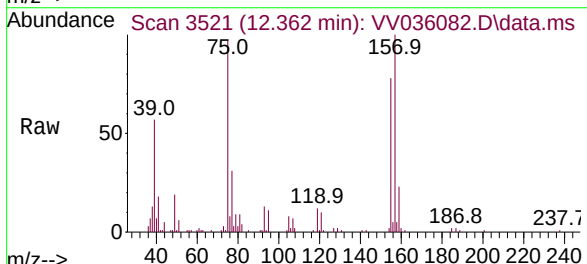
Instrument :
MSVOA_V
ClientSampleId :



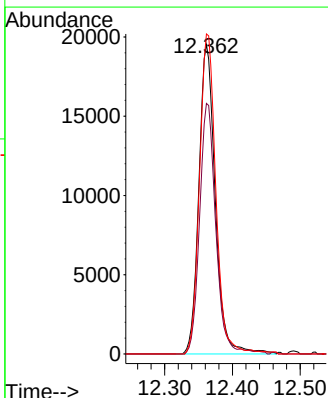
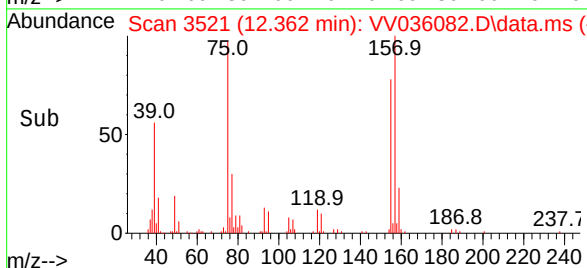
Tgt Ion:146 Resp: 361534
Ion Ratio Lower Upper
146 100
111 42.8 33.5 50.3
148 64.3 50.9 76.3

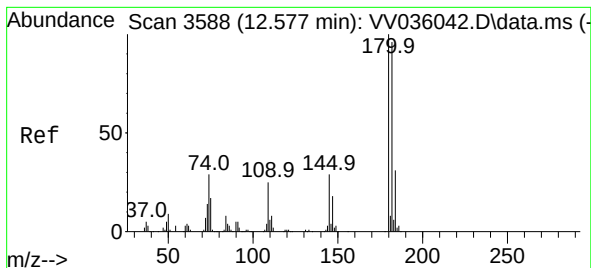


#68
1,2-Dibromo-3-chloropropane
Concen: 26.613 ug/L
RT: 12.362 min Scan# 3521
Delta R.T. 0.000 min
Lab File: VV036082.D
Acq: 14 Jun 2024 09:13



Tgt Ion: 75 Resp: 32856
Ion Ratio Lower Upper
75 100
155 81.0 63.3 94.9
157 103.4 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 24.098 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

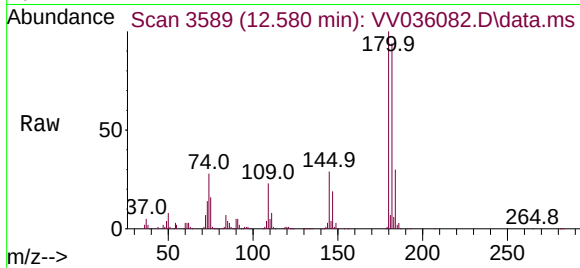
Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 283501

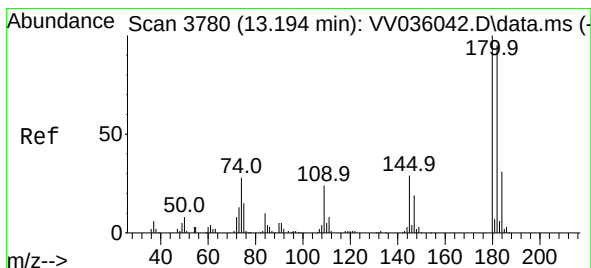
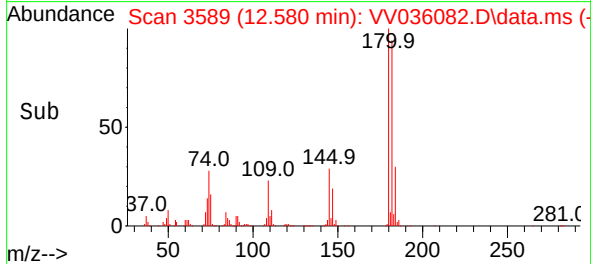
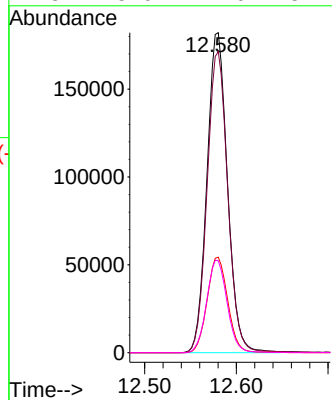
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

184 29.9 24.2 36.2

145 28.9 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 25.204 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

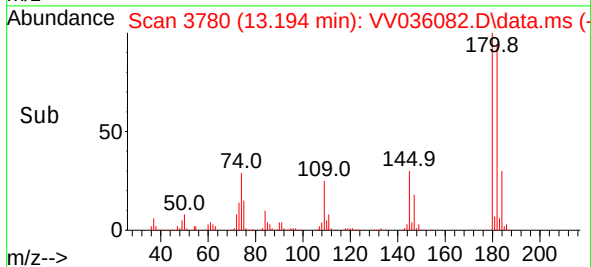
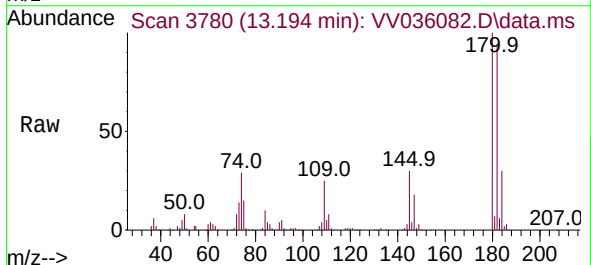
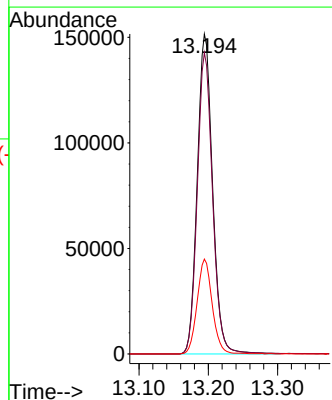
Tgt Ion:180 Resp: 233471

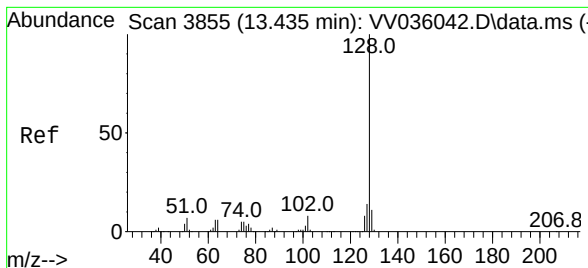
Ion Ratio Lower Upper

180 100

182 93.5 76.1 114.1

145 29.1 23.5 35.3





#71

Naphthalene

Concen: 27.479 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Instrument :

MSVOA_V

ClientSampleId :

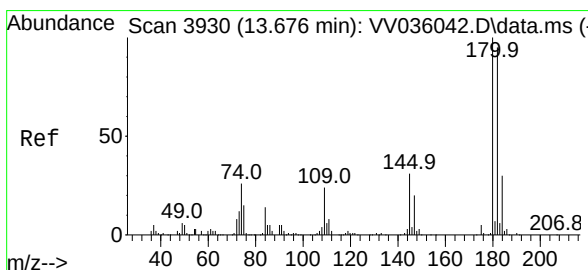
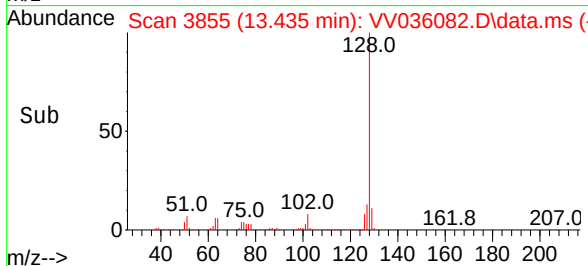
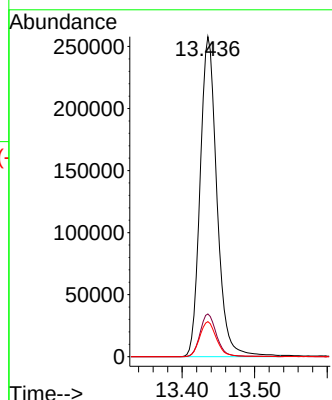
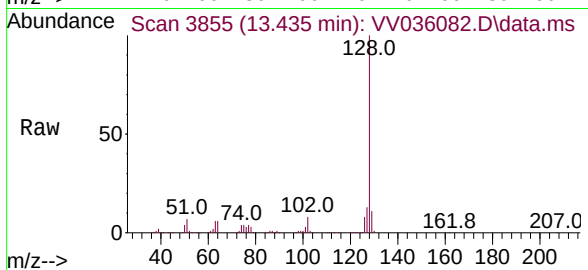
Tgt Ion:128 Resp: 415401

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 26.246 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036082.D

Acq: 14 Jun 2024 09:13

Tgt Ion:180 Resp: 221861

Ion Ratio Lower Upper

180 100

182 95.1 75.1 112.7

145 31.3 25.2 37.8

