

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061724\
 Data File : VV036107.D
 Acq On : 17 Jun 2024 18:28
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 18 02:14:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:10:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	409782	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	424994	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	228998	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	172031	22.834	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.320%
7) Chloroethane-d5	1.526	69	139678	23.252	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.047	65	76113	22.694	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.760%
21) 2-Butanone-d5	3.822	46	98948	57.244	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.480%
24) Chloroform-d	4.243	84	320092	24.570	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.280%
26) 1,2-Dichloroethane-d4	4.937	65	178835	26.182	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.720%
32) Benzene-d6	4.953	84	598191	23.679	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.720%
36) 1,2-Dichloropropane-d6	5.985	67	193443	24.316	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.280%
41) Toluene-d8	7.239	98	548494	24.607	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.440%
43) trans-1,3-Dichloroprop...	7.551	79	83516	25.603	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.400%
47) 2-Hexanone-d5	8.027	63	68520	63.571	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.140%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	155456	26.150	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.600%
66) 1,2-Dichlorobenzene-d4	11.558	152	194297	23.137	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.560%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	190219	25.745	ug/L	99
3) Chloromethane	1.211	50	232131	27.375	ug/L	100
5) Vinyl chloride	1.275	62	249737	27.976	ug/L	100
6) Bromomethane	1.481	94	157593	28.457	ug/L	99
8) Chloroethane	1.542	64	161312	29.072	ug/L	99
9) Trichlorofluoromethane	1.703	101	330178	29.783	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	202239	28.744	ug/L	99
12) 1,1-Dichloroethene	2.056	96	186472	28.417	ug/L	98
13) Acetone	2.381	43	105585	39.214	ug/L	69
14) Carbon disulfide	2.227	76	641155	28.136	ug/L	100
15) Methyl Acetate	2.381	43	116814	34.903	ug/L	99
16) Methylene chloride	2.439	84	428081	46.167	ug/L	99
17) trans-1,2-Dichloroethene	2.683	96	198942	28.540	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	531833	33.985	ug/L	99
19) 1,1-Dichloroethane	3.104	63	391034	29.457	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	208142	29.716	ug/L	99
22) 2-Butanone	3.892	43	149200	65.304	ug/L	# 80
23) Bromochloromethane	4.140	128	112857	32.122	ug/L	98
25) Chloroform	4.268	83	413399	30.274	ug/L	100

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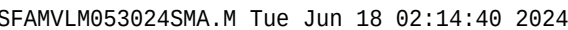
Instrument :
 MSVOA_V
 ClientSampleId :

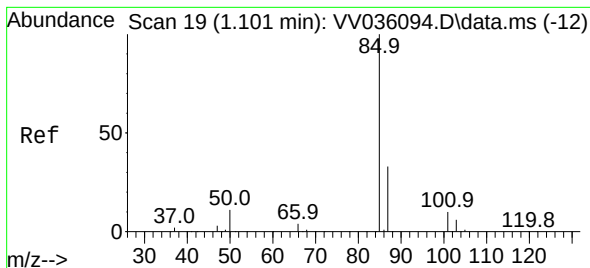
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 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:10:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	287473	33.720	ug/L	99
29) Cyclohexane	4.574	56	289079	28.568	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	331608	28.541	ug/L	99
31) Carbon tetrachloride	4.728	117	291231	28.572	ug/L	100
33) Benzene	5.005	78	835416	30.055	ug/L	100
34) Trichloroethene	5.828	95	256622	30.123	ug/L	99
35) Methylcyclohexane	6.047	83	341709	29.005	ug/L	99
37) 1,2-Dichloropropane	6.088	63	235174	32.222	ug/L	99
38) Bromodichloromethane	6.429	83	299204	30.972	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	336217	30.799	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	303303	76.488	ug/L	98
42) Toluene	7.313	91	887753	31.256	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	306814	32.539	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	193221	31.996	ug/L	99
46) Tetrachloroethene	7.902	164	170813	27.415	ug/L	97
48) 2-Hexanone	8.075	43	223732	72.170	ug/L	97
49) Dibromochloromethane	8.175	129	215839	32.657	ug/L	99
50) 1,2-Dibromoethane	8.281	107	192619	33.241	ug/L	98
51) Chlorobenzene	8.812	112	570236	29.466	ug/L	100
52) Ethylbenzene	8.944	91	938869	30.896	ug/L	100
53) m,p-Xylene	9.069	106	358635	31.409	ug/L	97
54) o-Xylene	9.477	106	339596	31.538	ug/L	100
55) Styrene	9.493	104	640560	33.735	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	172828	31.961	ug/L	98
59) Bromoform	9.664	173	145901	33.784	ug/L	99
60) Isopropylbenzene	9.866	105	910836	31.003	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	185039	34.165	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	660679	31.012	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	742103	32.331	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	451276	29.249	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	472737	29.685	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	434869	29.952	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	42856	35.386	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	313082	27.128	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	257418	28.328	ug/L	100
71) Naphthalene	13.435	128	515492	34.761	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	256914	30.982	ug/L	99

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

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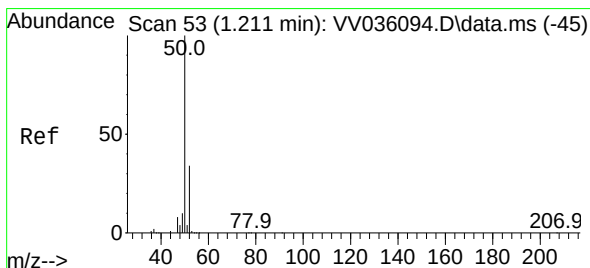
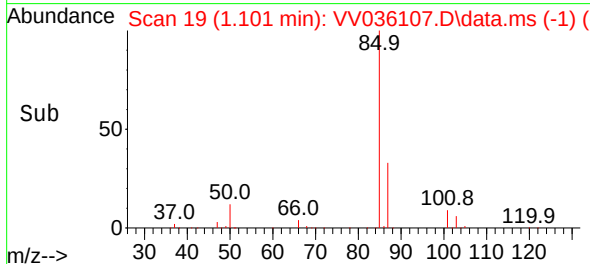
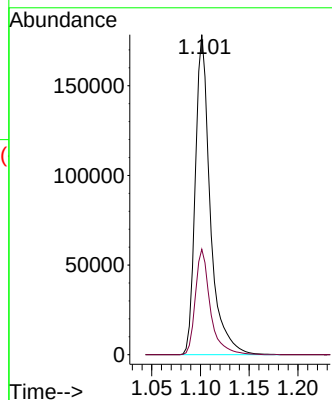
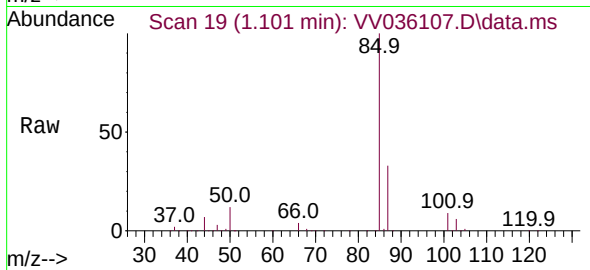




#2
 Dichlorodifluoromethane
 Concen: 25.745 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. 0.000 min
 Lab File: VV036107.D
 Acq: 17 Jun 2024 18:28

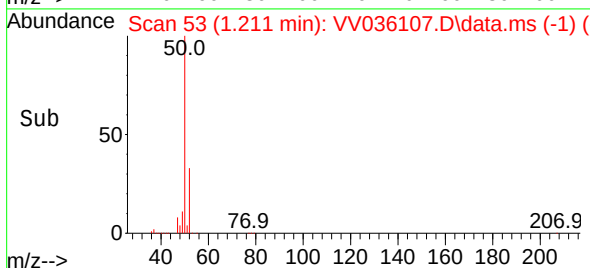
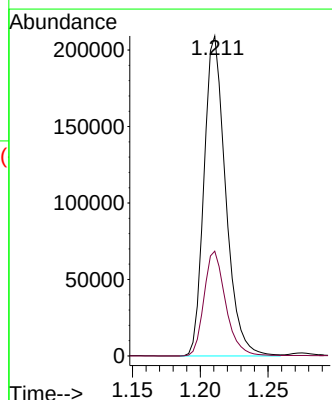
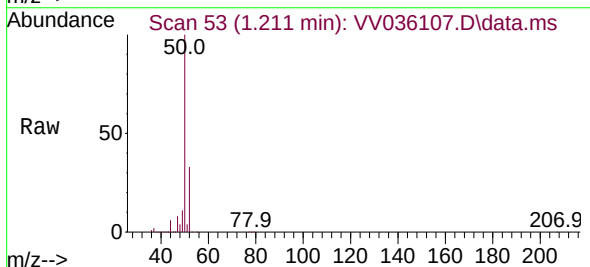
Instrument :
 MSVOA_V
 ClientSampleId :

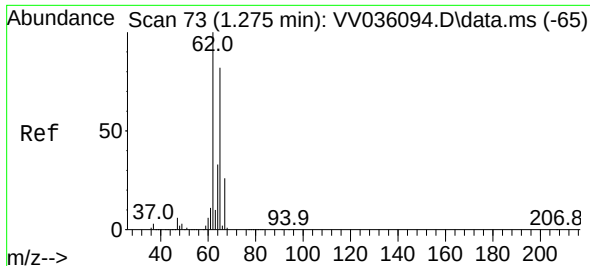
Tgt Ion: 85 Resp: 190219
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.9 38.9



#3
 Chloromethane
 Concen: 27.375 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. 0.000 min
 Lab File: VV036107.D
 Acq: 17 Jun 2024 18:28

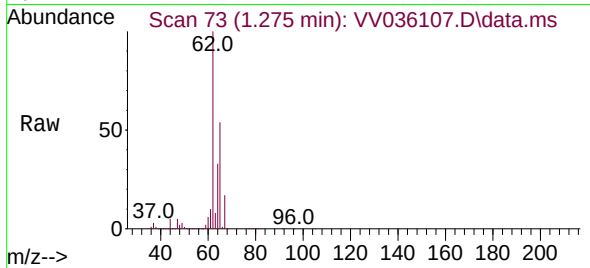
Tgt Ion: 50 Resp: 232131
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.8 42.4



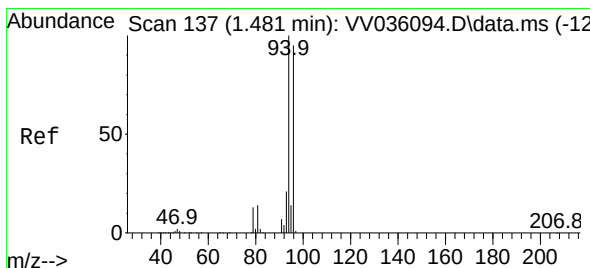
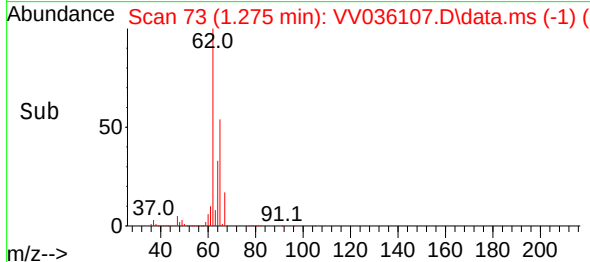
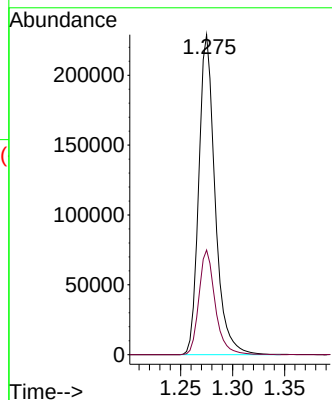


#5
 Vinyl chloride
 Concen: 27.976 ug/L
 RT: 1.275 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: VV036107.D
 Acq: 17 Jun 2024 18:28

Instrument :
 MSVOA_V
 ClientSampleId :

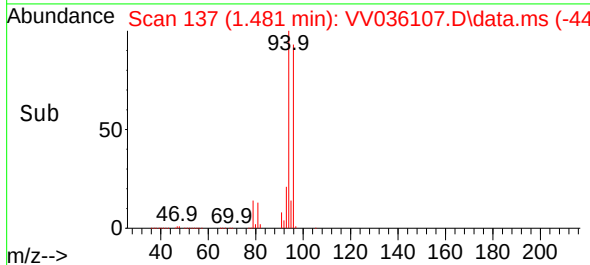
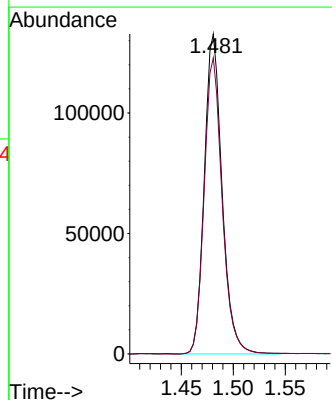
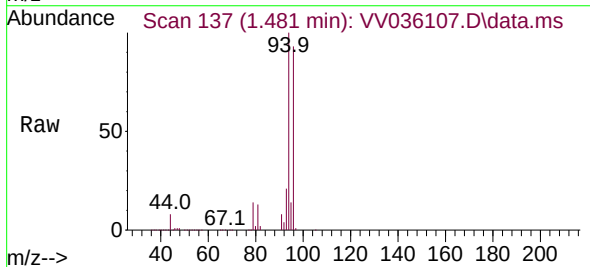


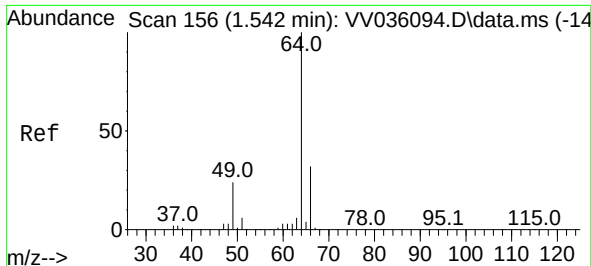
Tgt Ion: 62 Resp: 249737
 Ion Ratio Lower Upper
 62 100
 64 32.7 22.9 42.5



#6
 Bromomethane
 Concen: 28.457 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. 0.000 min
 Lab File: VV036107.D
 Acq: 17 Jun 2024 18:28

Tgt Ion: 94 Resp: 157593
 Ion Ratio Lower Upper
 94 100
 96 92.5 65.7 122.1

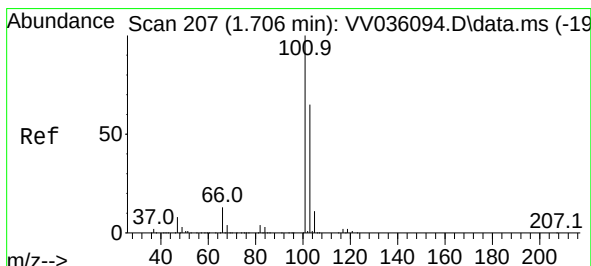
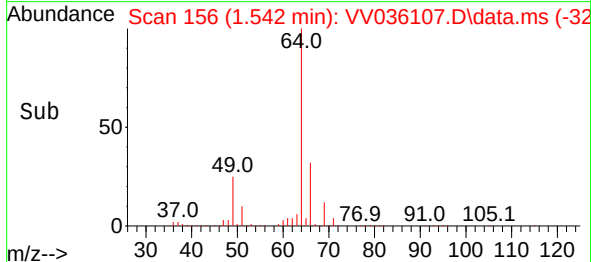
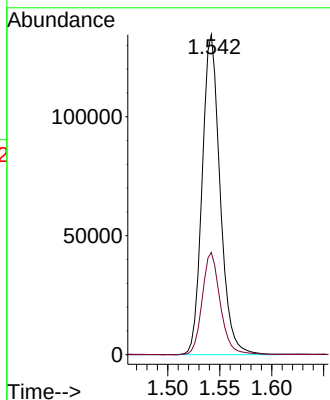
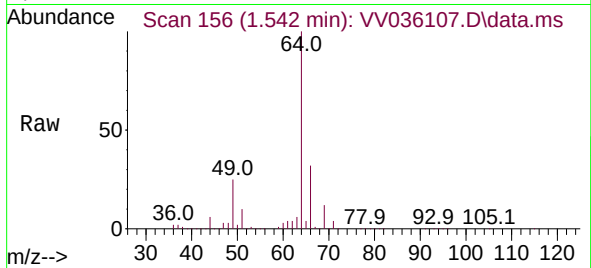




#8
Chloroethane
Concen: 29.072 ug/L
RT: 1.542 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

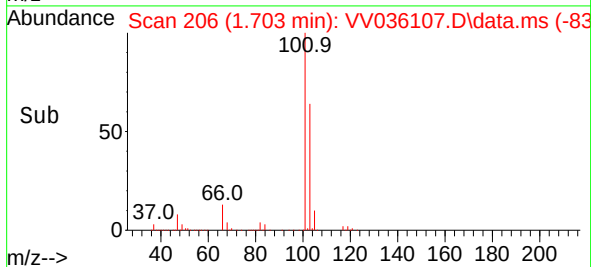
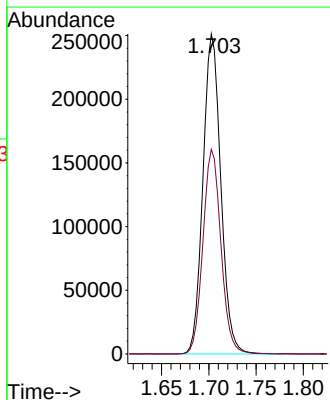
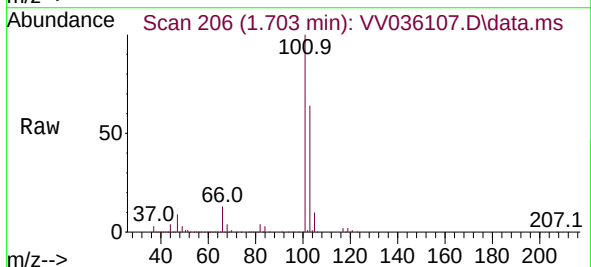
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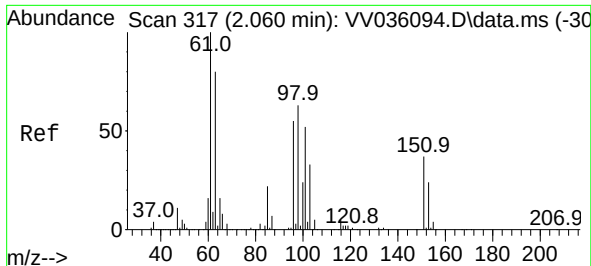
Tgt Ion: 64 Resp: 161312
Ion Ratio Lower Upper
64 100
66 31.9 22.0 41.0



#9
Trichlorofluoromethane
Concen: 29.783 ug/L
RT: 1.703 min Scan# 206
Delta R.T. -0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion:101 Resp: 330178
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.8

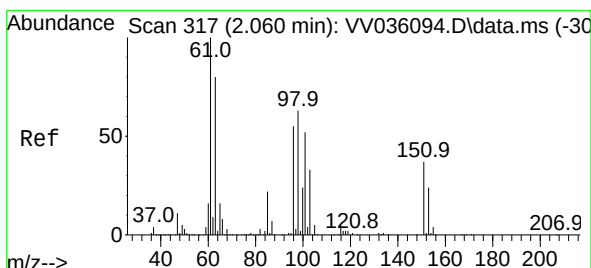
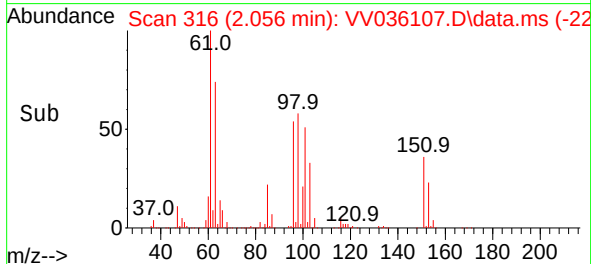
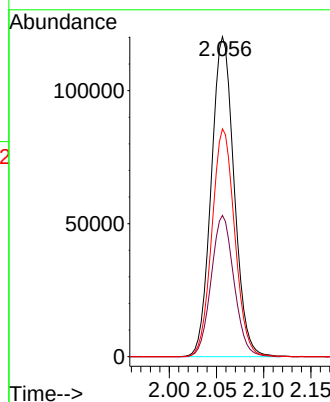
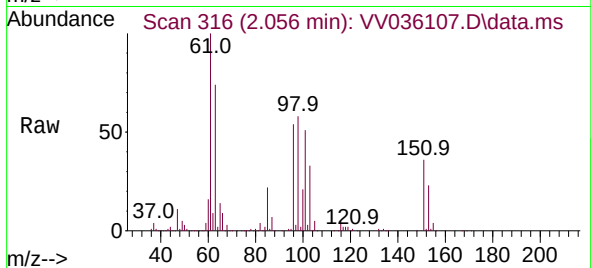




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 28.744 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

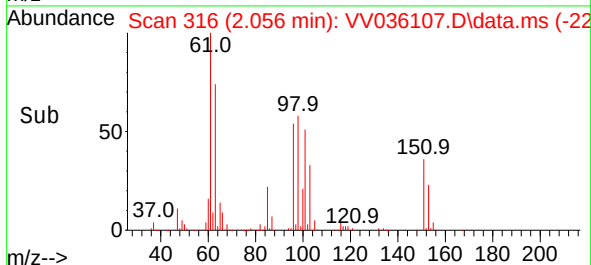
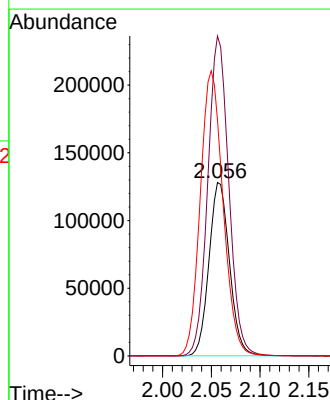
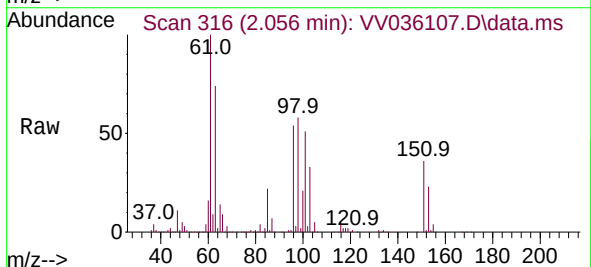
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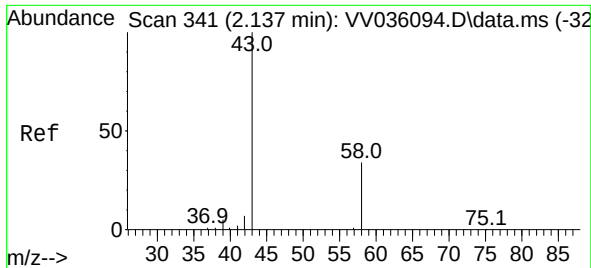
Tgt Ion:101 Resp: 202239
Ion Ratio Lower Upper
101 100
85 44.1 34.5 51.7
151 71.1 56.3 84.5



#12
1,1-Dichloroethene
Concen: 28.417 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion: 96 Resp: 186472
Ion Ratio Lower Upper
96 100
61 184.5 127.3 236.3
63 136.1 93.7 173.9





#13

Acetone

Concen: 39.214 ug/L

RT: 2.381 min Scan# 41

Delta R.T. 0.244 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

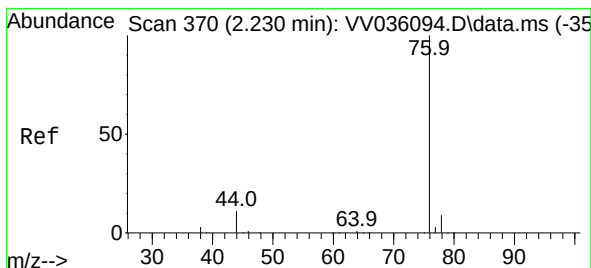
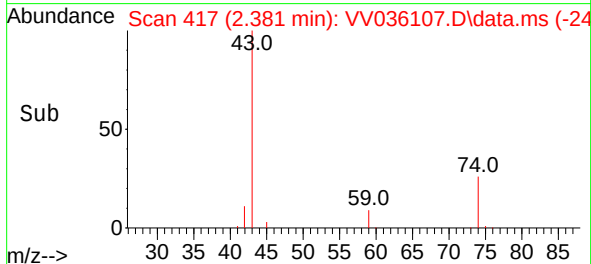
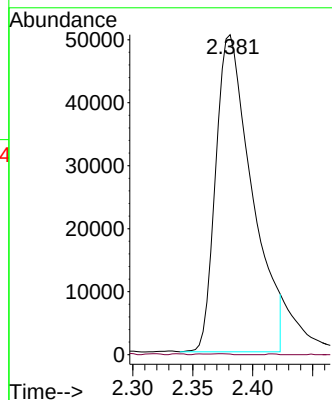
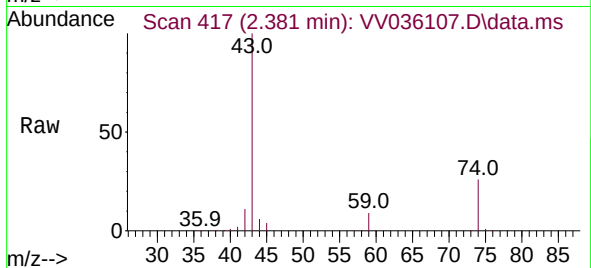
ClientSampleId :

Tgt Ion: 43 Resp: 105585

Ion Ratio Lower Upper

43 100

58 0.1 0.0 24.2



#14

Carbon disulfide

Concen: 28.136 ug/L

RT: 2.227 min Scan# 369

Delta R.T. -0.003 min

Lab File: VV036107.D

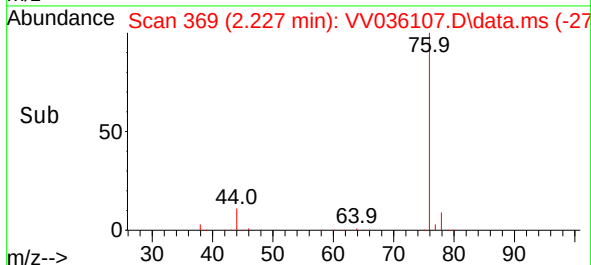
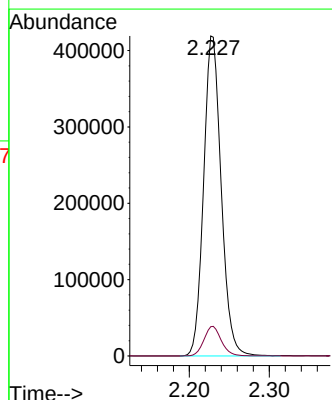
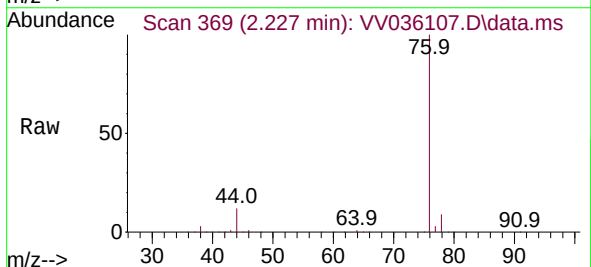
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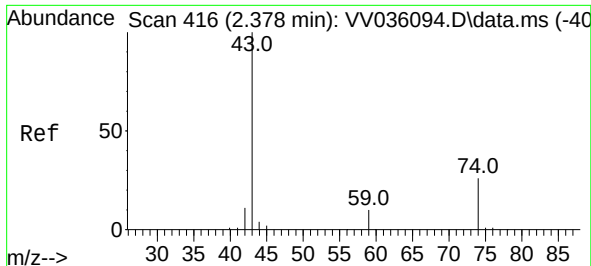
Tgt Ion: 76 Resp: 641155

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 34.903 ug/L

RT: 2.381 min Scan# 416

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

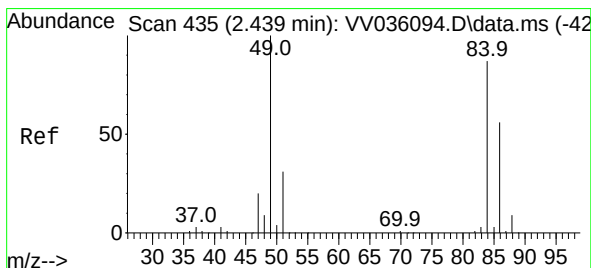
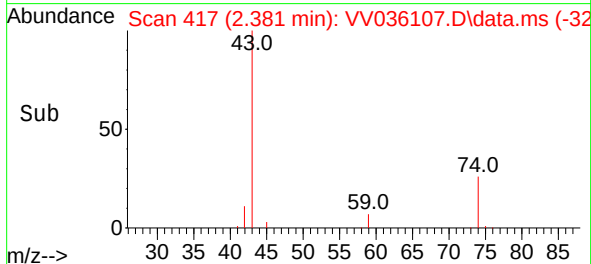
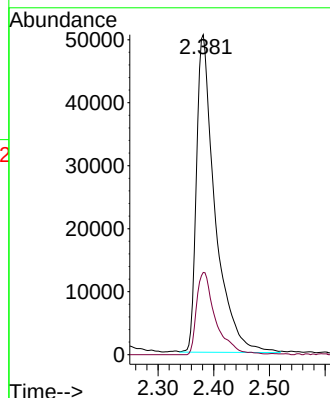
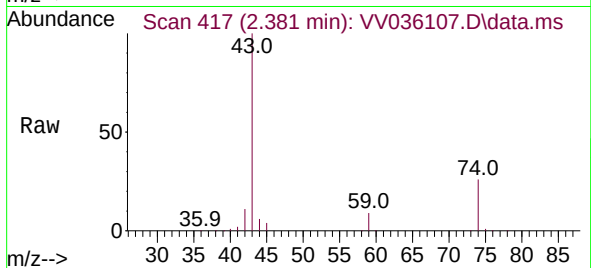
ClientSampleId :

Tgt Ion: 43 Resp: 116814

Ion Ratio Lower Upper

43 100

74 26.1 21.4 32.2



#16

Methylene chloride

Concen: 46.167 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

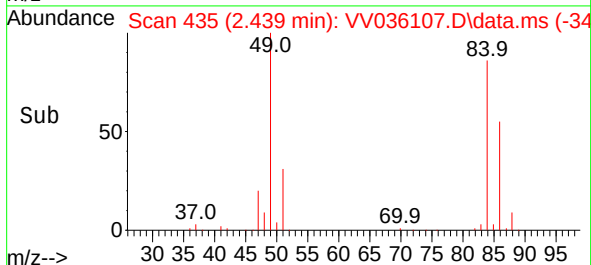
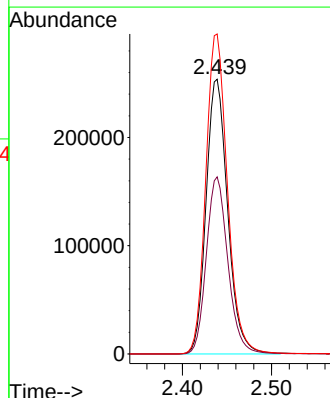
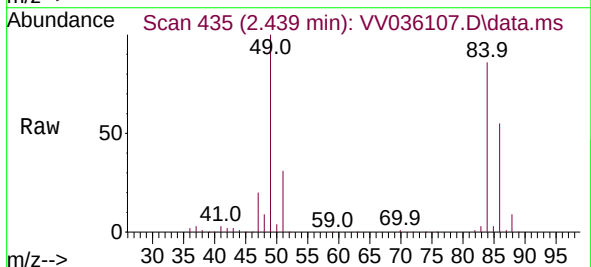
Tgt Ion: 84 Resp: 428081

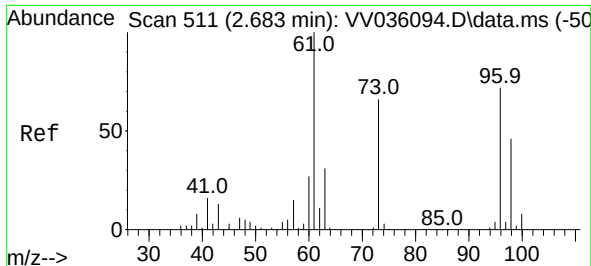
Ion Ratio Lower Upper

84 100

86 64.4 44.6 82.8

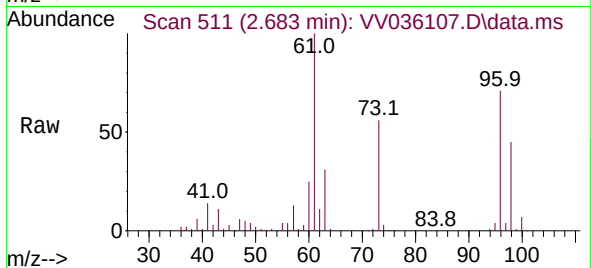
49 116.5 81.1 150.5





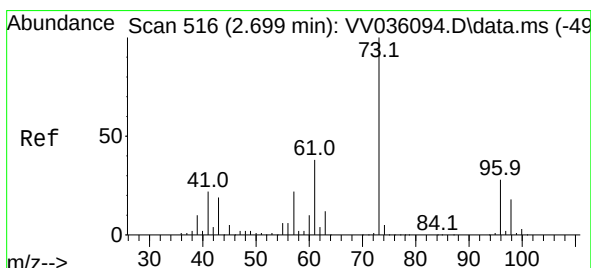
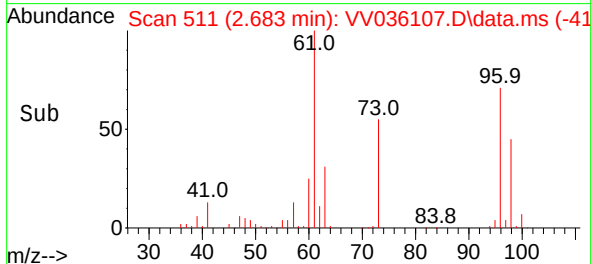
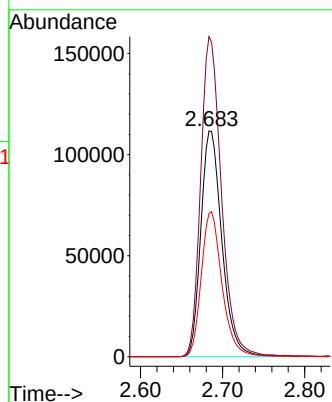
#17
trans-1,2-Dichloroethene
Concen: 28.540 ug/L
RT: 2.683 min Scan# 511
Delta R.T. 0.000 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 198942

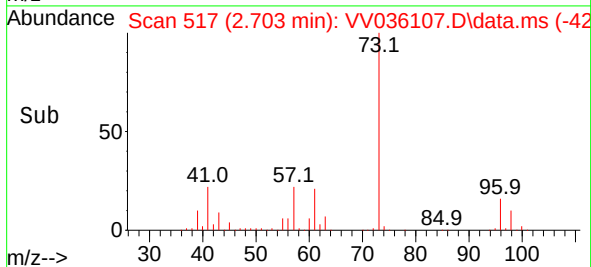
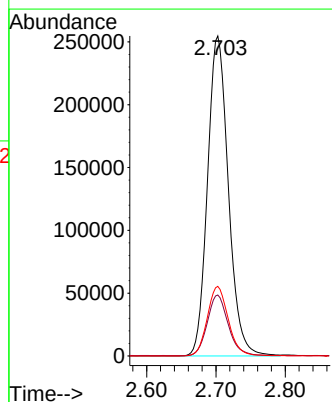
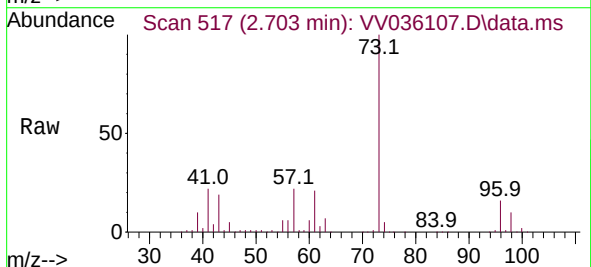
Ion	Ratio	Lower	Upper
96	100		
61	141.8	99.4	184.6
98	63.5	44.9	83.3

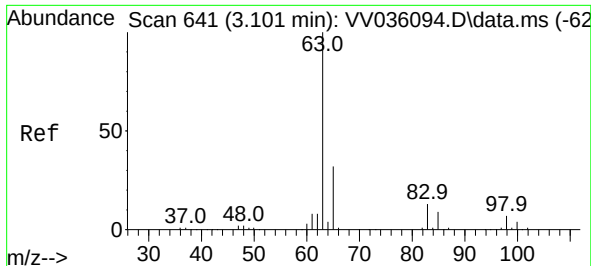


#18
Methyl tert-butyl Ether
Concen: 33.985 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion: 73 Resp: 531833

Ion	Ratio	Lower	Upper
73	100		
43	19.0	14.3	21.5
57	21.9	17.8	26.6





#19

1,1-Dichloroethane

Concen: 29.457 ug/L

RT: 3.104 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :

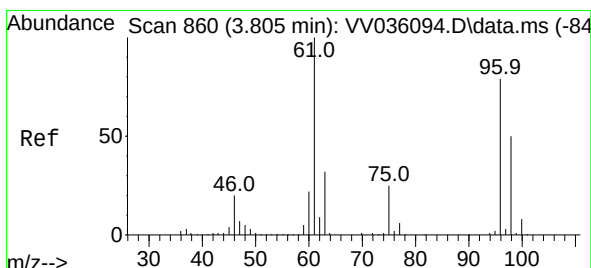
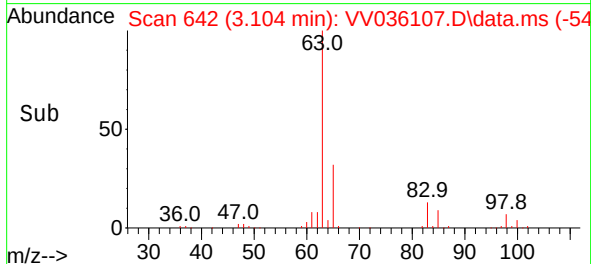
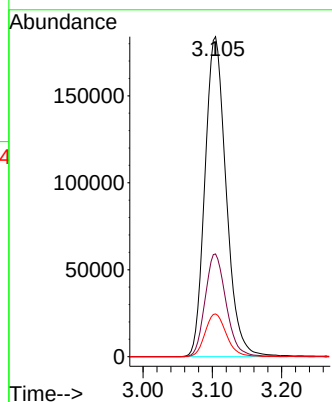
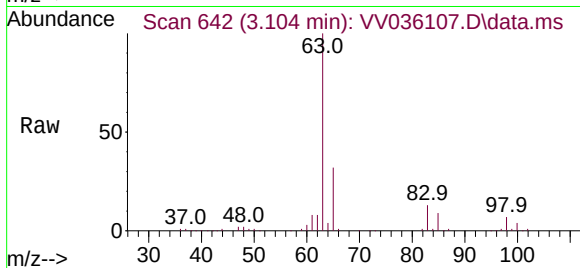
Tgt Ion: 63 Resp: 391034

Ion Ratio Lower Upper

63 100

65 32.1 22.4 41.6

83 13.3 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 29.716 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

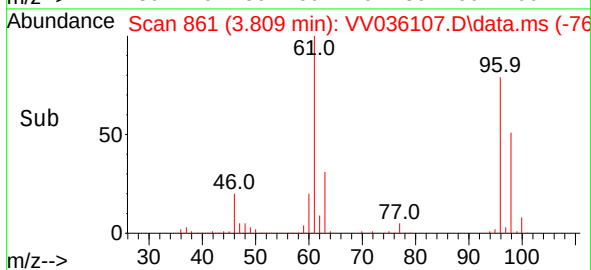
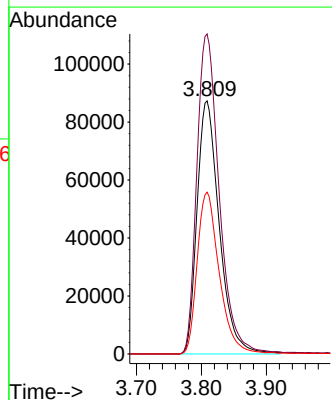
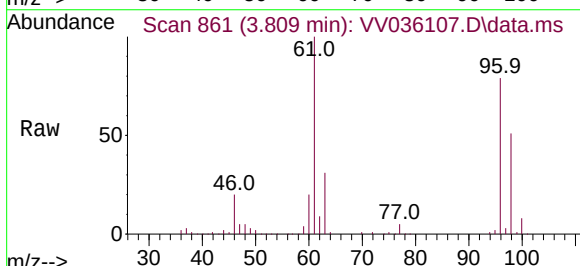
Tgt Ion: 96 Resp: 208142

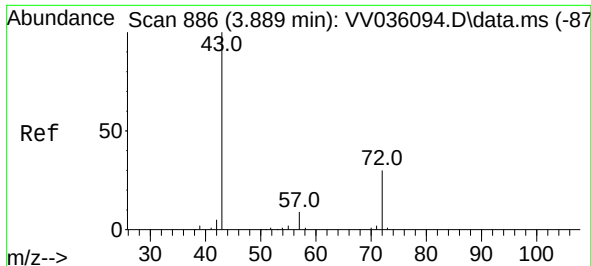
Ion Ratio Lower Upper

96 100

61 126.4 87.9 163.3

98 63.9 44.4 82.5

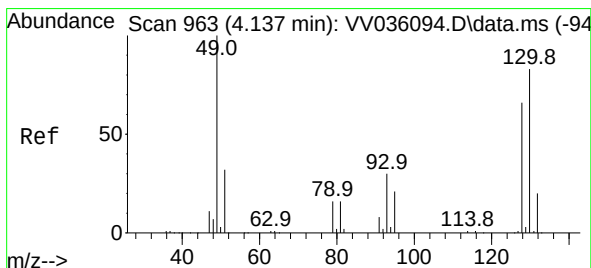
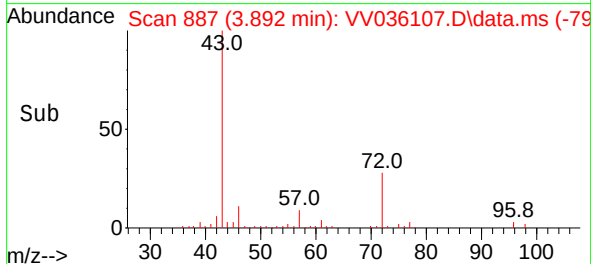
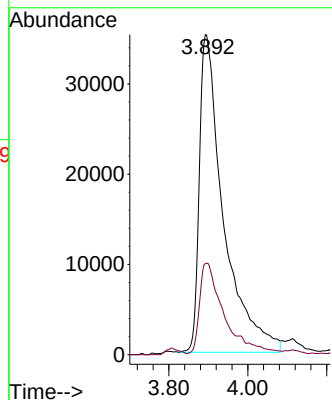
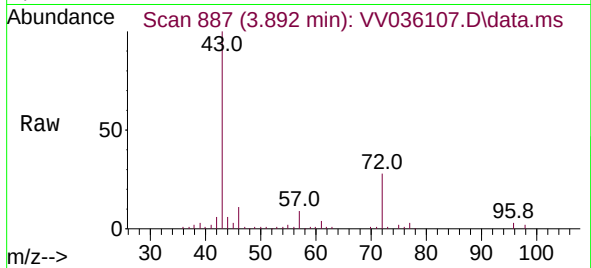




#22
2-Butanone
Concen: 65.304 ug/L
RT: 3.892 min Scan# 886
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

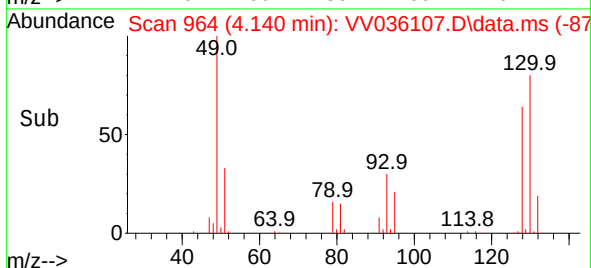
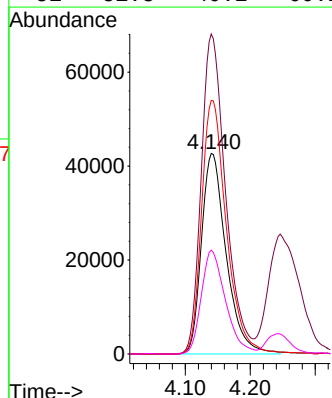
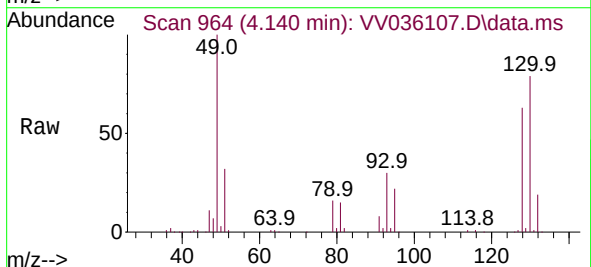
Instrument :
MSVOA_V
ClientSampleId :

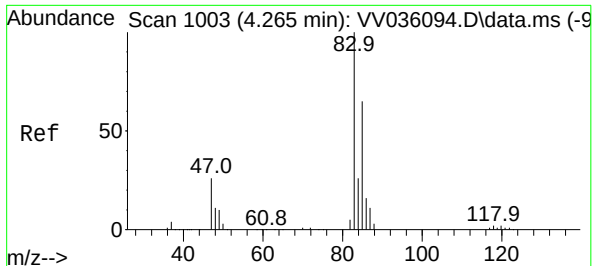
Tgt Ion: 43 Resp: 149200
Ion Ratio Lower Upper
43 100
72 25.0 8.2 24.4#



#23
Bromochloromethane
Concen: 32.122 ug/L
RT: 4.140 min Scan# 964
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion:128 Resp: 112857
Ion Ratio Lower Upper
128 100
49 159.7 110.2 204.6
130 126.5 90.2 167.4
51 51.8 40.2 60.2





#25

Chloroform

Concen: 30.274 ug/L

RT: 4.268 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

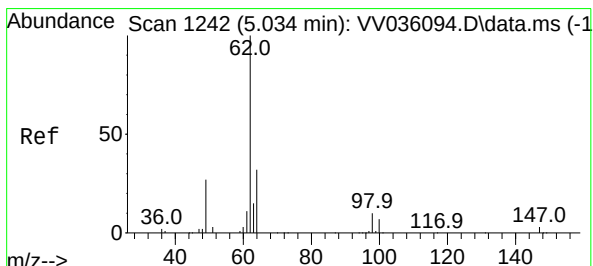
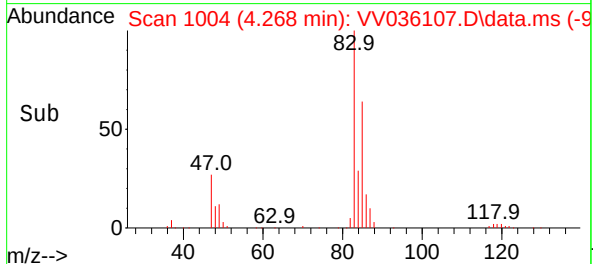
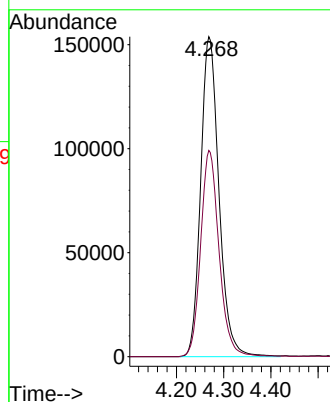
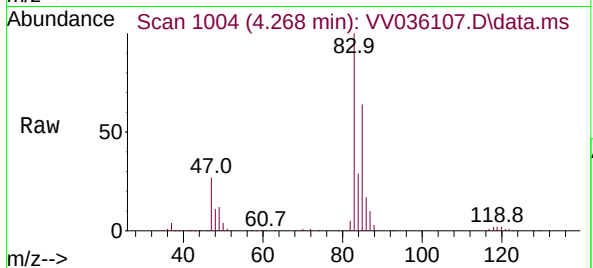
ClientSampleId :

Tgt Ion: 83 Resp: 413399

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 33.720 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VV036107.D

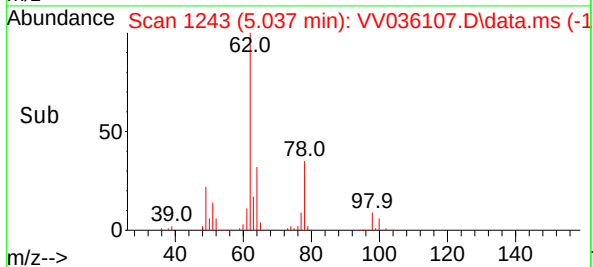
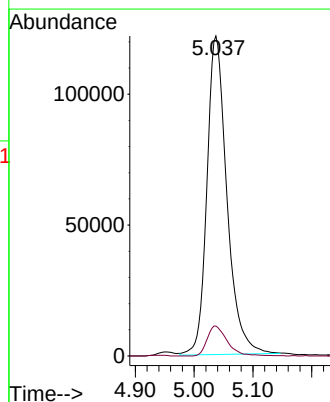
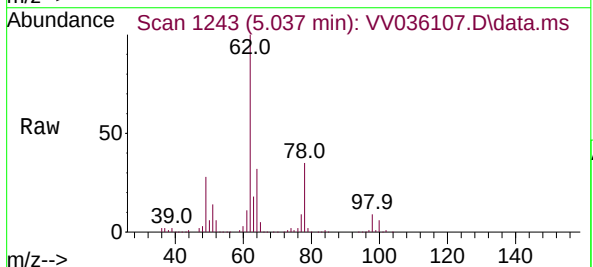
Acq: 17 Jun 2024 18:28

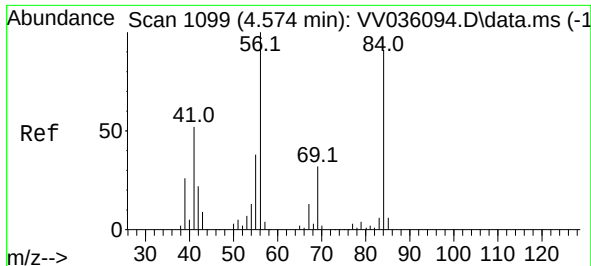
Tgt Ion: 62 Resp: 287473

Ion Ratio Lower Upper

62 100

98 9.4 7.8 11.6





#29

Cyclohexane

Concen: 28.568 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :

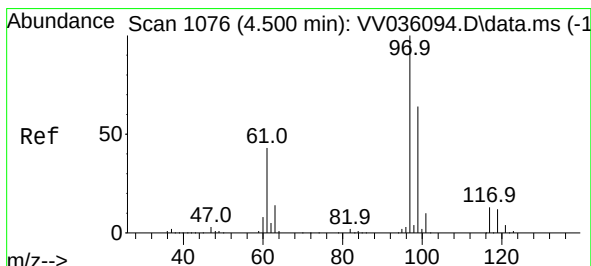
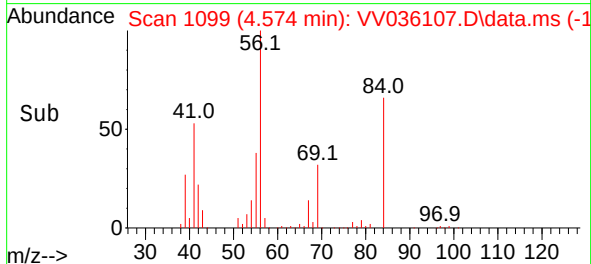
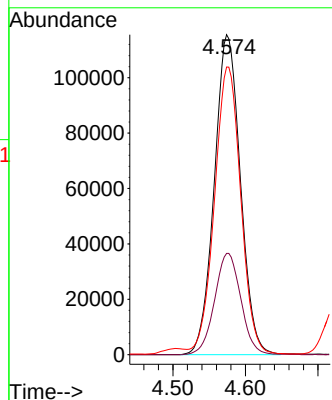
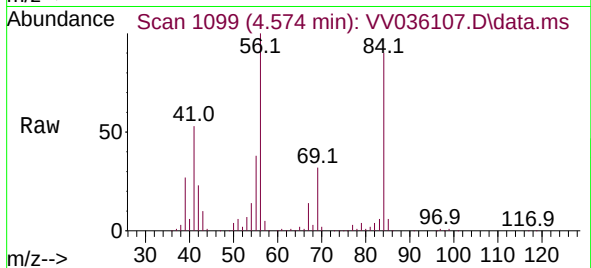
Tgt Ion: 56 Resp: 289079

Ion Ratio Lower Upper

56 100

69 31.8 25.2 37.8

84 90.2 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 28.541 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

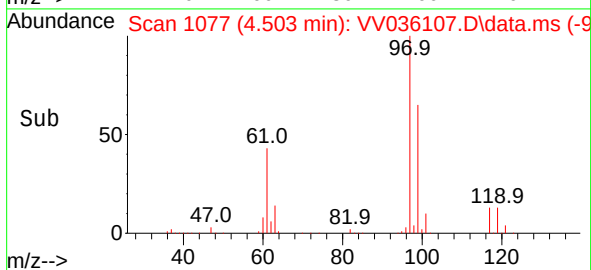
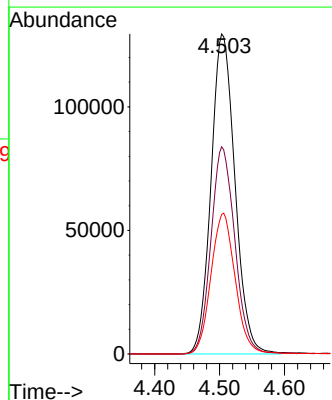
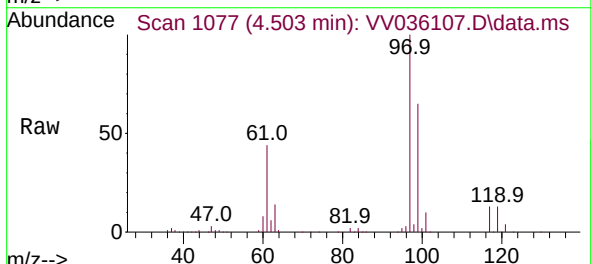
Tgt Ion: 97 Resp: 331608

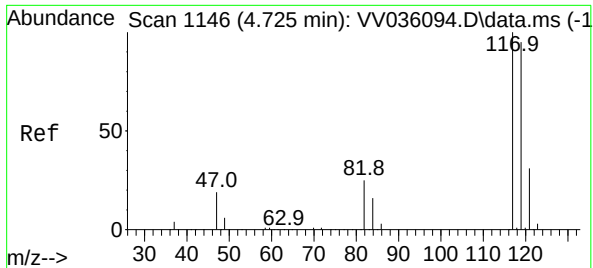
Ion Ratio Lower Upper

97 100

99 64.7 50.9 76.3

61 44.6 35.0 52.6

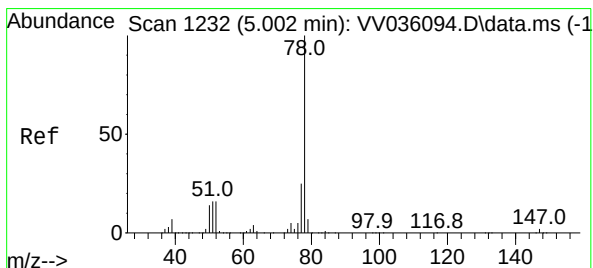
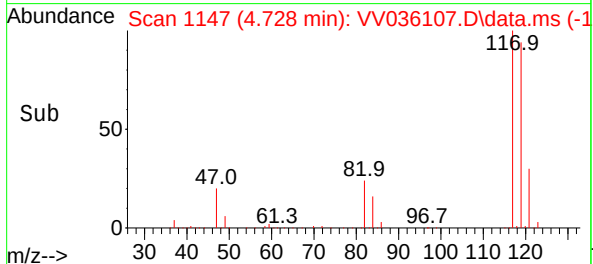
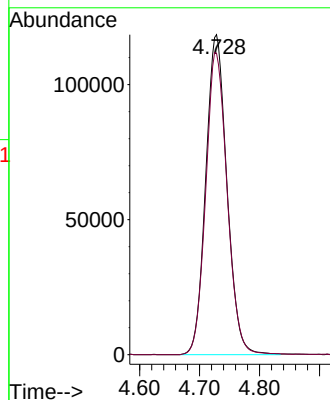
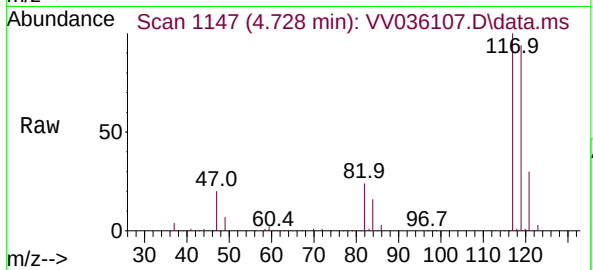




#31
Carbon tetrachloride
Concen: 28.572 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

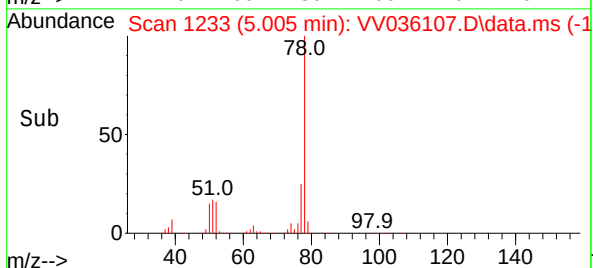
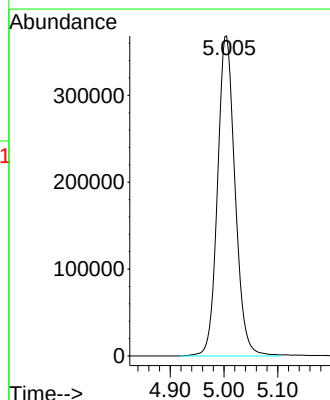
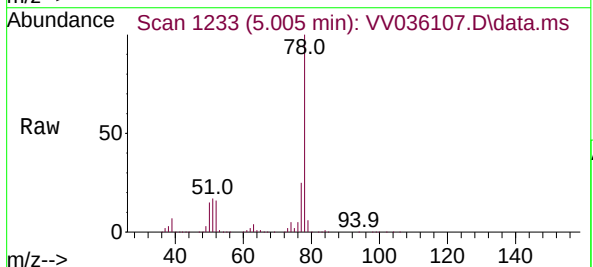
Instrument :
MSVOA_V
ClientSampleId :

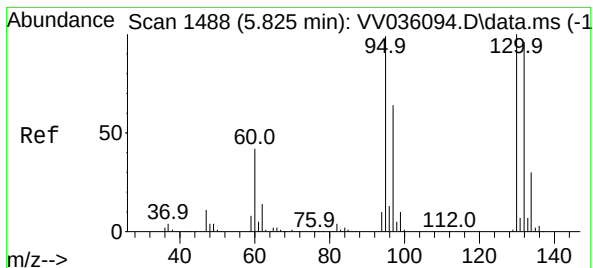
Tgt Ion:117 Resp: 291231
Ion Ratio Lower Upper
117 100
119 95.6 76.8 115.2



#33
Benzene
Concen: 30.055 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion: 78 Resp: 835416





#34

Trichloroethene

Concen: 30.123 ug/L

RT: 5.828 min Scan# 1488

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 256622

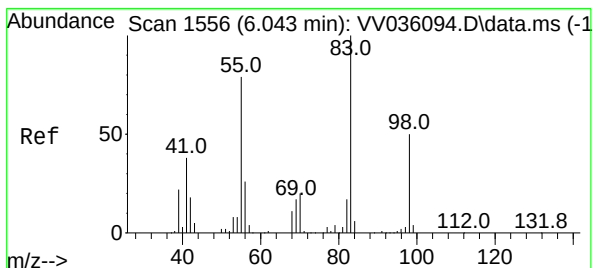
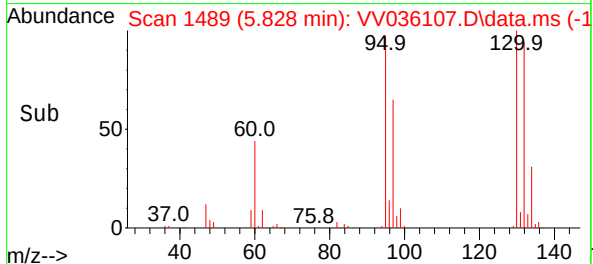
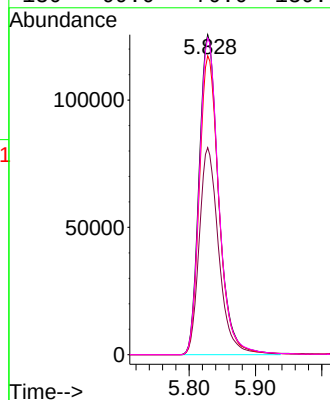
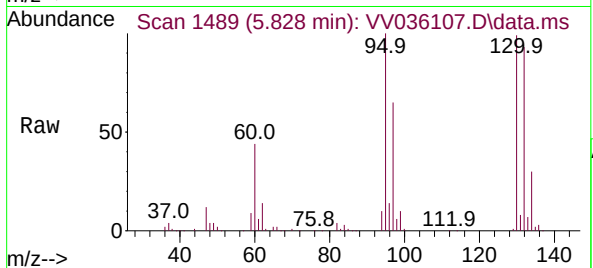
Ion Ratio Lower Upper

95 100

97 64.7 44.8 83.2

132 93.4 66.8 124.2

130 99.0 70.0 130.0



#35

Methylcyclohexane

Concen: 29.005 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

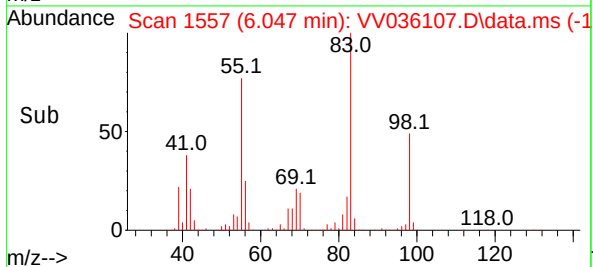
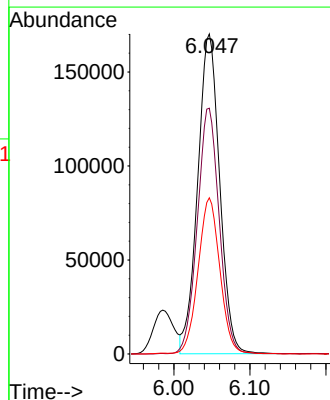
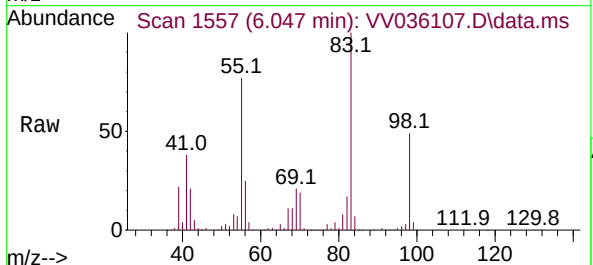
Tgt Ion: 83 Resp: 341709

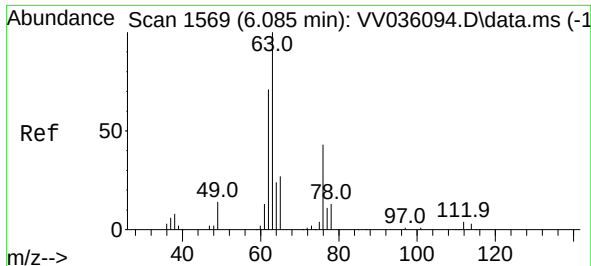
Ion Ratio Lower Upper

83 100

55 76.5 60.7 91.1

98 48.3 38.7 58.1

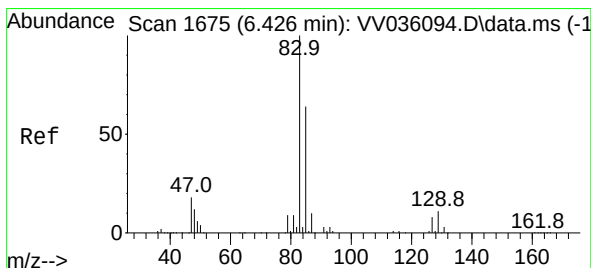
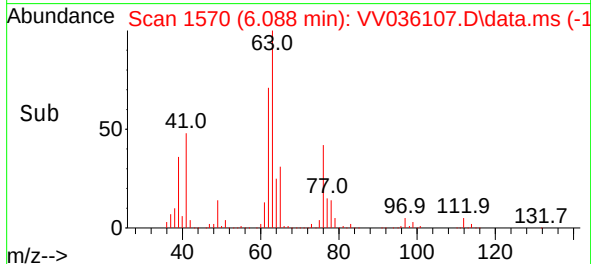
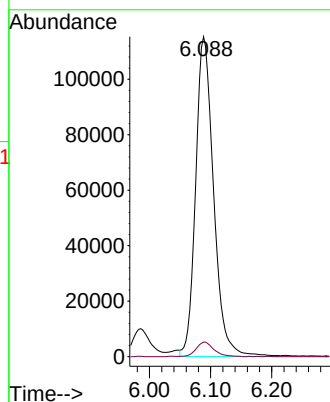
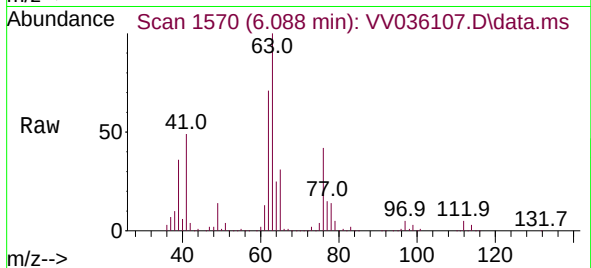




#37
1,2-Dichloropropane
Concen: 32.222 ug/L
RT: 6.088 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

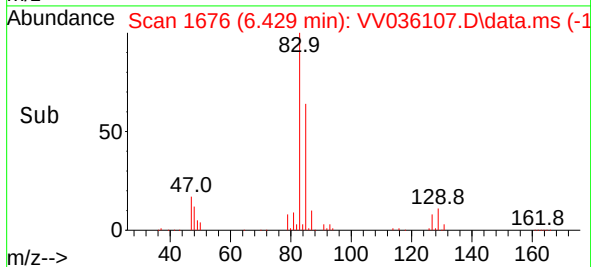
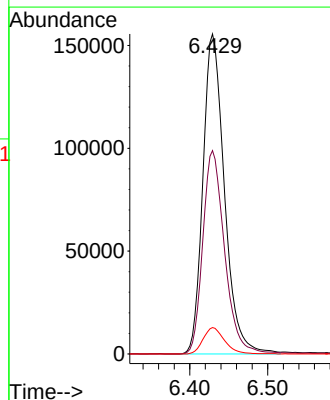
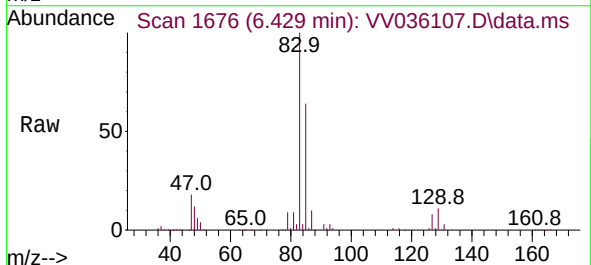
Instrument :
MSVOA_V
ClientSampleId :

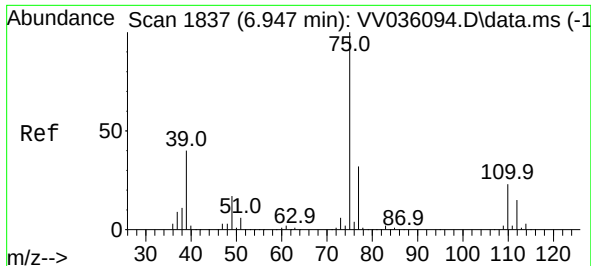
Tgt Ion: 63 Resp: 235174
Ion Ratio Lower Upper
63 100
112 4.6 3.5 5.3



#38
Bromodichloromethane
Concen: 30.972 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion: 83 Resp: 299204
Ion Ratio Lower Upper
83 100
85 63.5 45.3 84.1
127 8.3 6.7 10.1

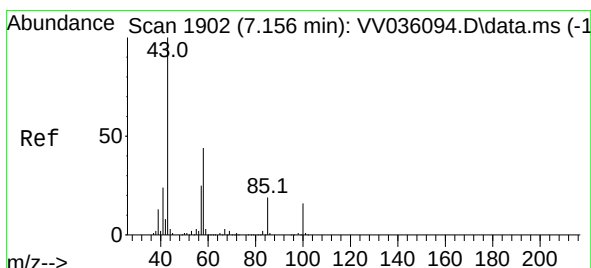
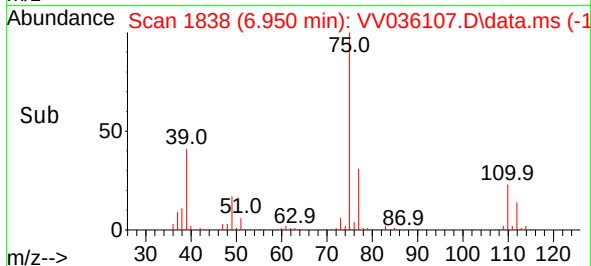
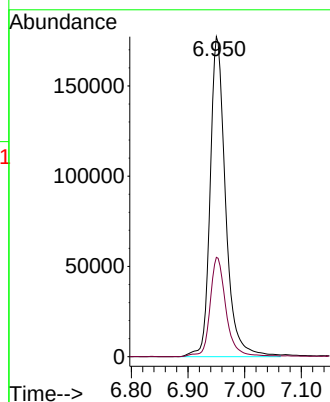
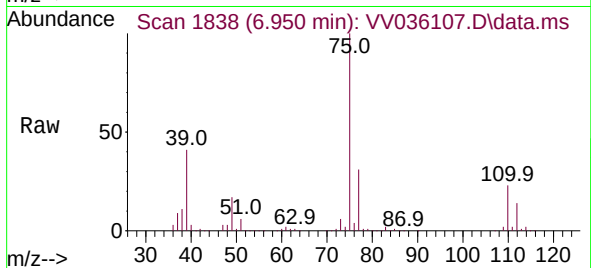




#39
 cis-1,3-Dichloropropene
 Concen: 30.799 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.003 min
 Lab File: VV036107.D
 Acq: 17 Jun 2024 18:28

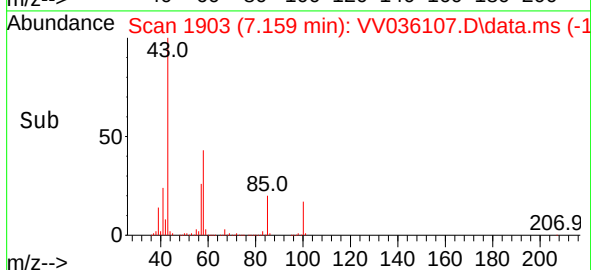
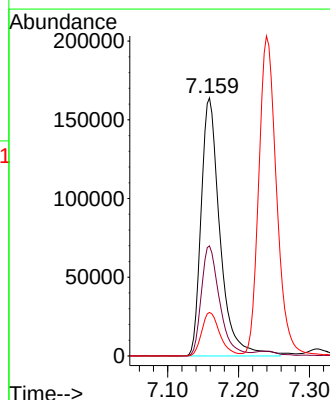
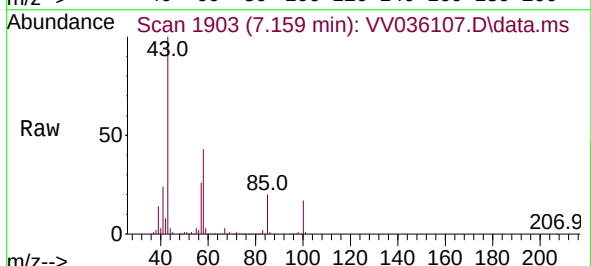
Instrument :
 MSVOA_V
 ClientSampleId :

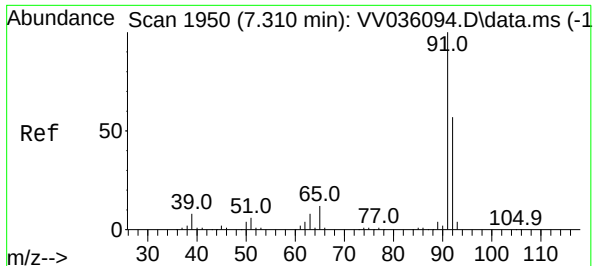
Tgt Ion: 75 Resp: 336217
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 76.488 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.003 min
 Lab File: VV036107.D
 Acq: 17 Jun 2024 18:28

Tgt Ion: 43 Resp: 303303
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.5 48.7
 100 16.3 12.5 18.7





#42

Toluene

Concen: 31.256 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

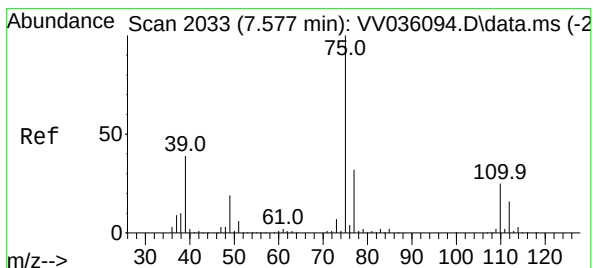
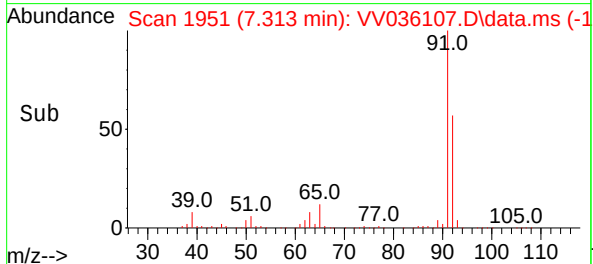
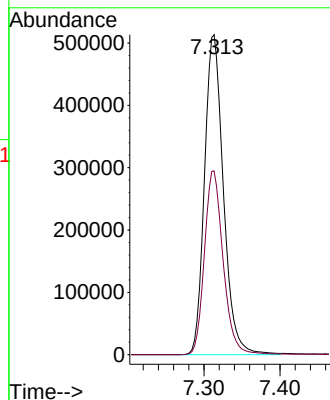
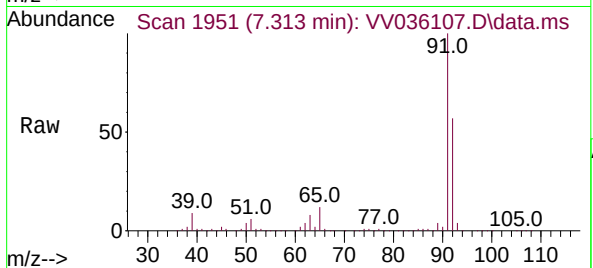
ClientSampleId :

Tgt Ion: 91 Resp: 887753

Ion Ratio Lower Upper

91 100

92 57.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 32.539 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.003 min

Lab File: VV036107.D

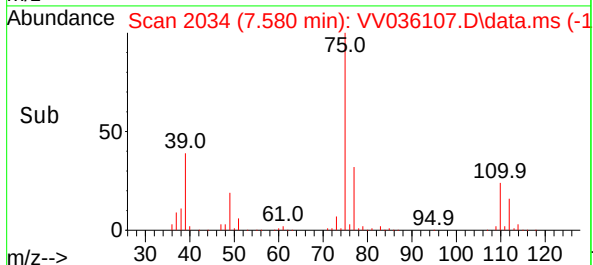
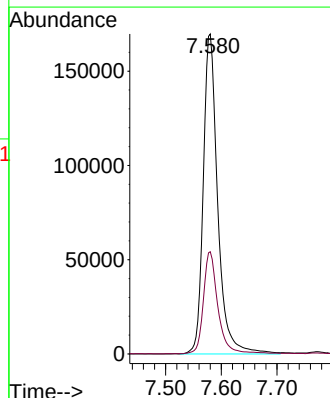
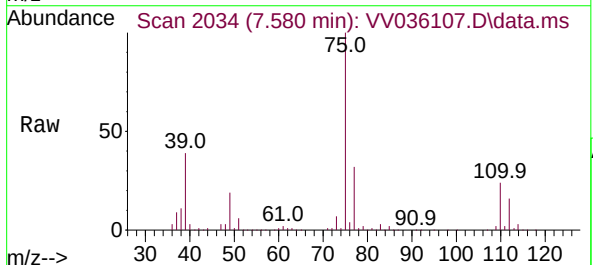
Acq: 17 Jun 2024 18:28

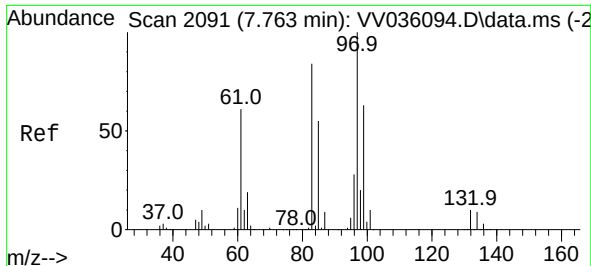
Tgt Ion: 75 Resp: 306814

Ion Ratio Lower Upper

75 100

77 32.0 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 31.996 ug/L

RT: 7.767 min Scan# 2091

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 193221

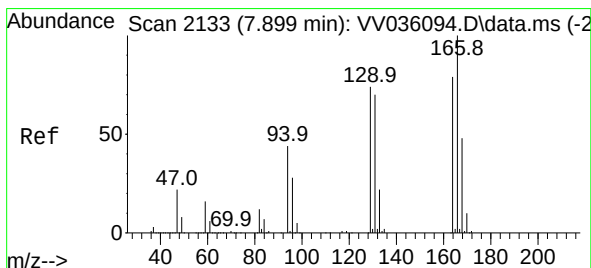
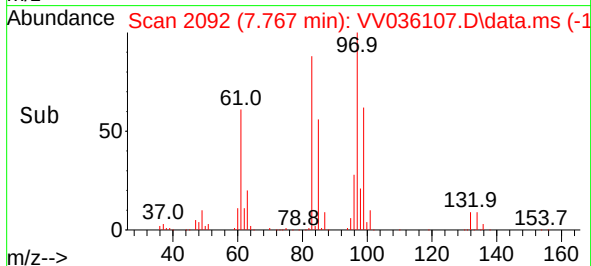
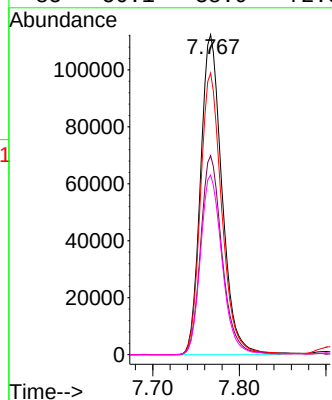
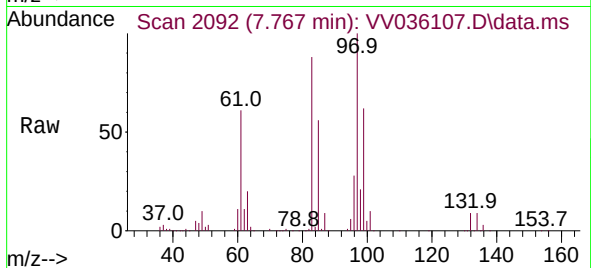
Ion Ratio Lower Upper

97 100

99 62.2 43.3 80.5

83 88.0 60.1 111.7

85 56.1 38.9 72.3



#46

Tetrachloroethene

Concen: 27.415 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Tgt Ion:164 Resp: 170813

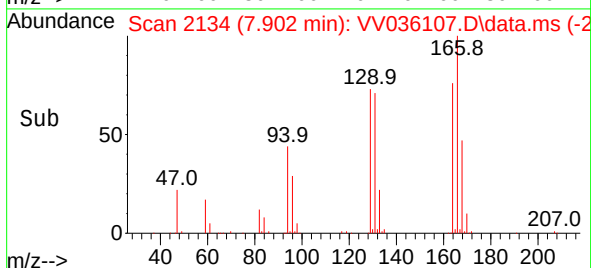
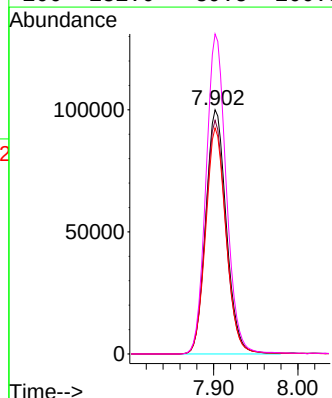
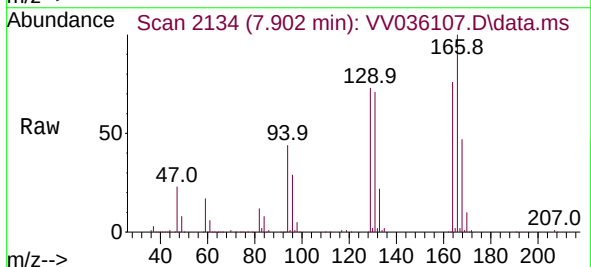
Ion Ratio Lower Upper

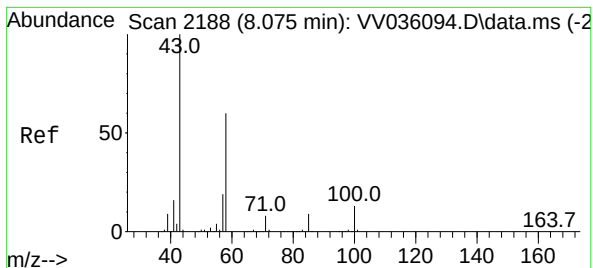
164 100

129 95.6 64.6 120.0

131 92.6 63.2 117.4

166 131.0 89.5 166.3





#48

2-Hexanone

Concen: 72.170 ug/L

RT: 8.075 min Scan# 2188

Delta R.T. 0.000 min

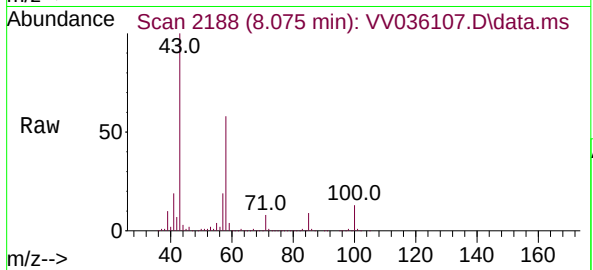
Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 223732

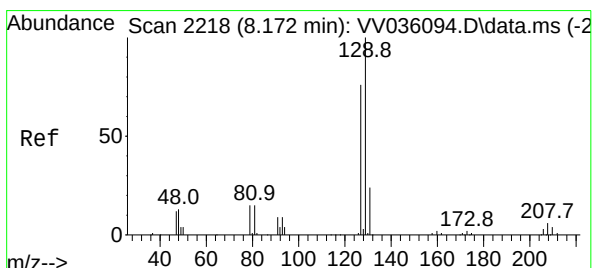
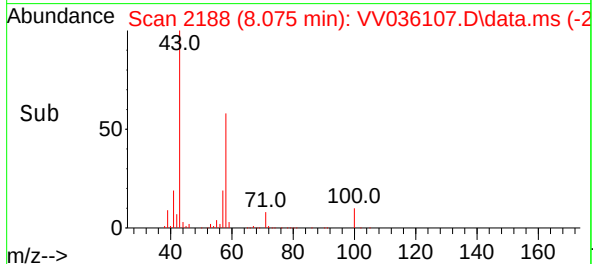
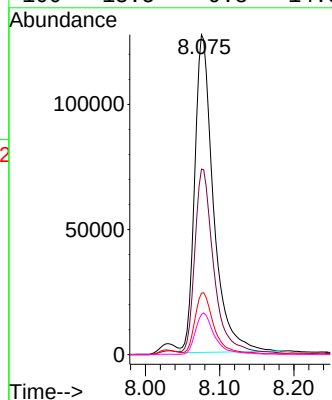
Ion Ratio Lower Upper

43 100

58 59.3 45.4 68.0

57 19.6 15.8 23.8

100 13.5 9.8 14.8



#49

Dibromochloromethane

Concen: 32.657 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV036107.D

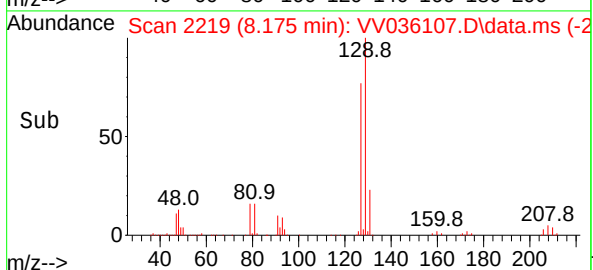
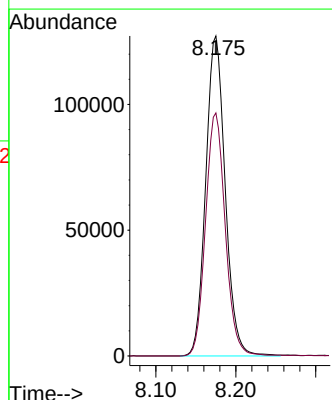
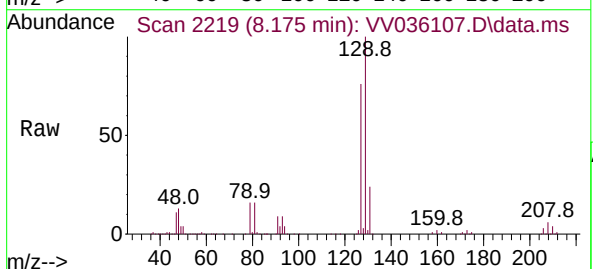
Acq: 17 Jun 2024 18:28

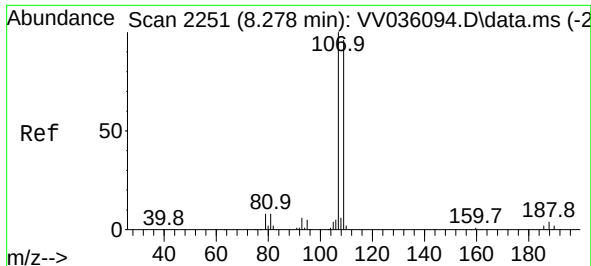
Tgt Ion:129 Resp: 215839

Ion Ratio Lower Upper

129 100

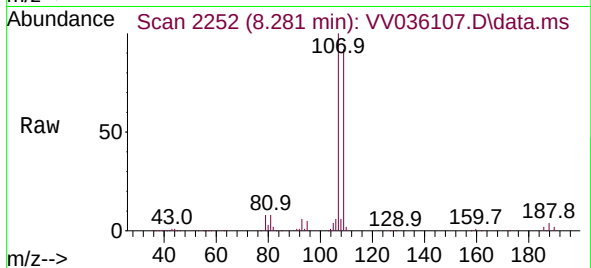
127 75.9 53.9 100.1



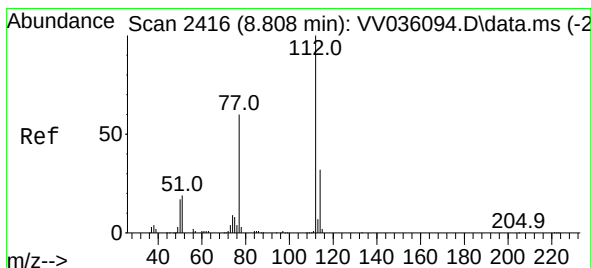
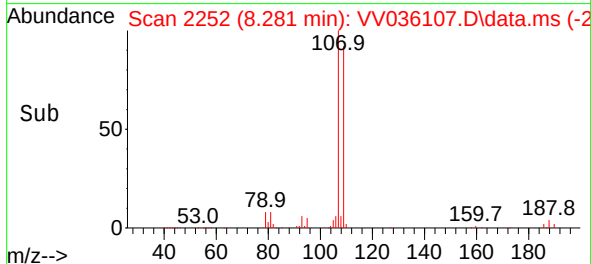
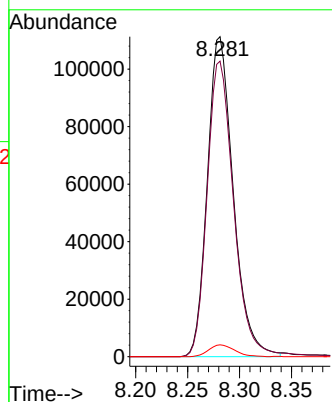


#50
1,2-Dibromoethane
Concen: 33.241 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Instrument :
MSVOA_V
ClientSampleId :

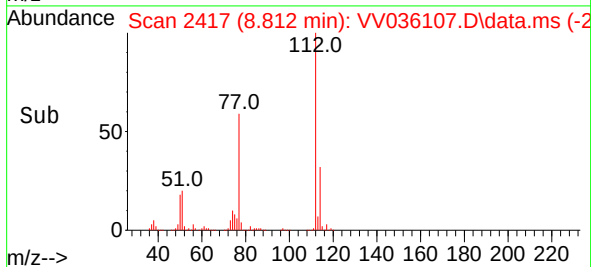
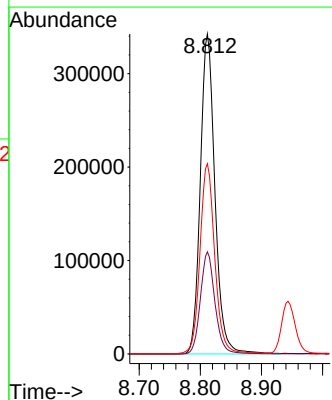
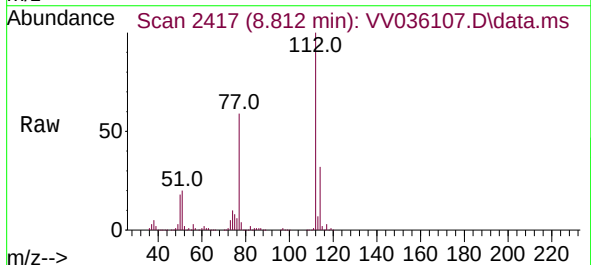


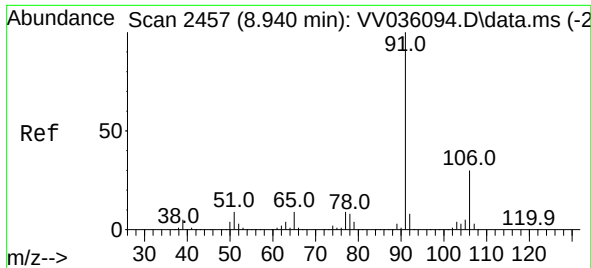
Tgt Ion:107 Resp: 192619
Ion Ratio Lower Upper
107 100
109 92.3 66.1 122.7
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 29.466 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion:112 Resp: 570236
Ion Ratio Lower Upper
112 100
114 31.9 22.3 41.5
77 59.4 47.3 70.9





#52

Ethylbenzene

Concen: 30.896 ug/L

RT: 8.944 min Scan# 2457

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

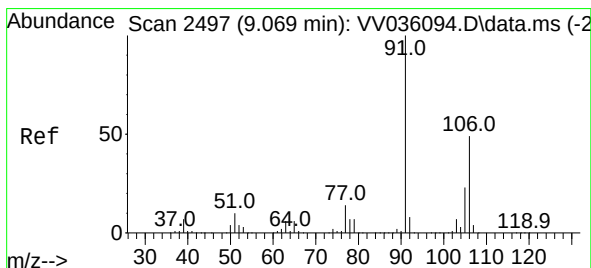
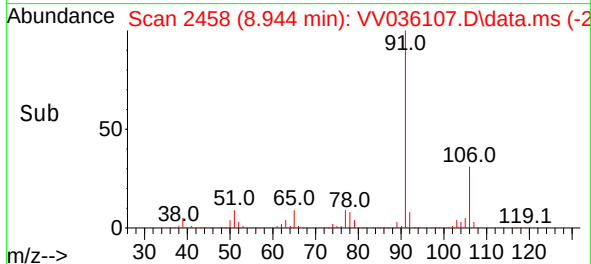
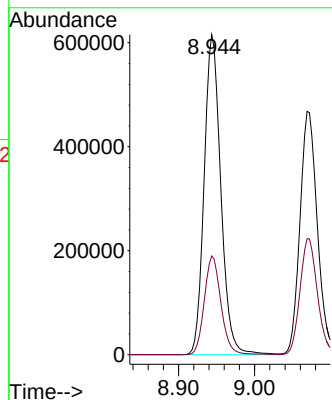
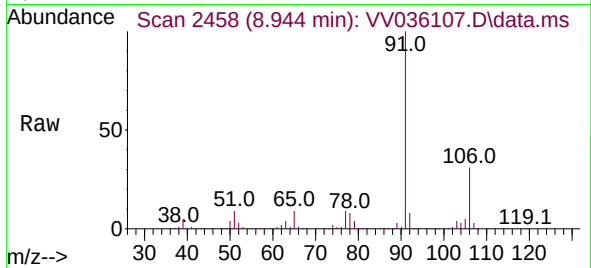
ClientSampleId :

Tgt Ion: 91 Resp: 938869

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-Xylene

Concen: 31.409 ug/L

RT: 9.069 min Scan# 2497

Delta R.T. 0.000 min

Lab File: VV036107.D

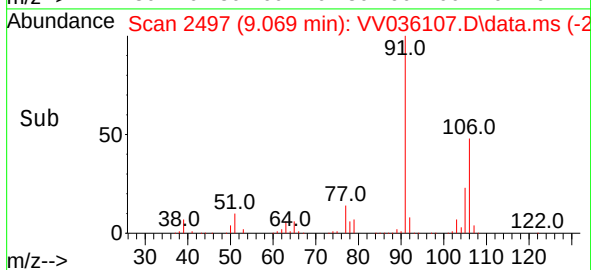
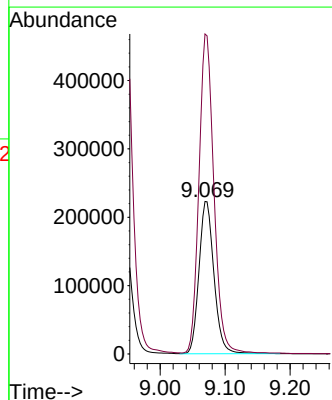
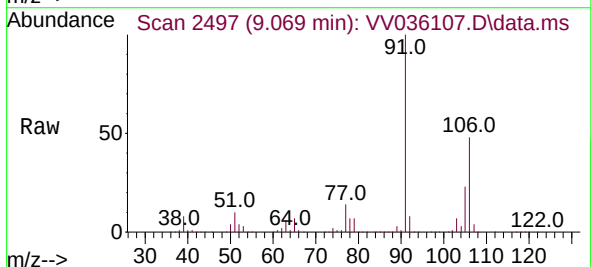
Acq: 17 Jun 2024 18:28

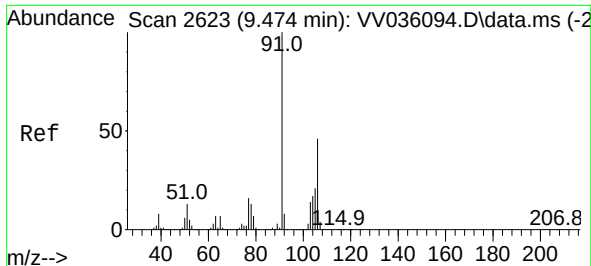
Tgt Ion:106 Resp: 358635

Ion Ratio Lower Upper

106 100

91 209.8 143.1 265.9

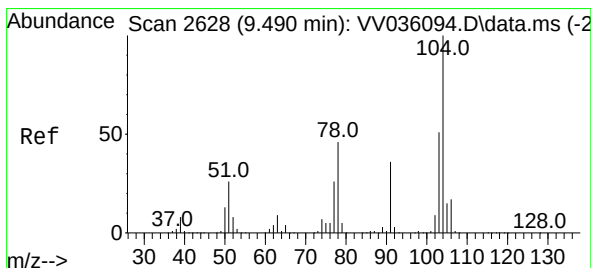
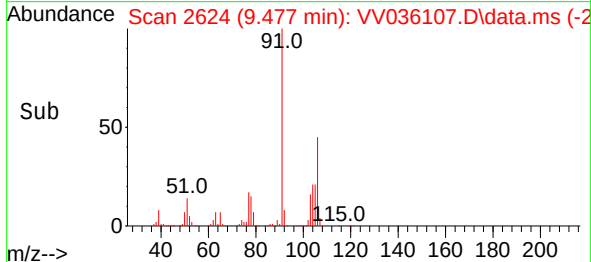
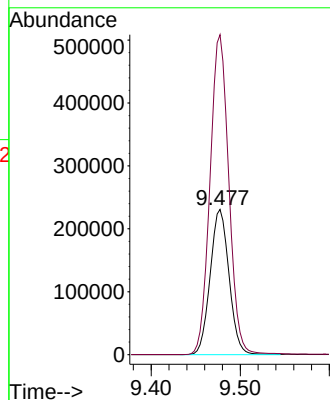
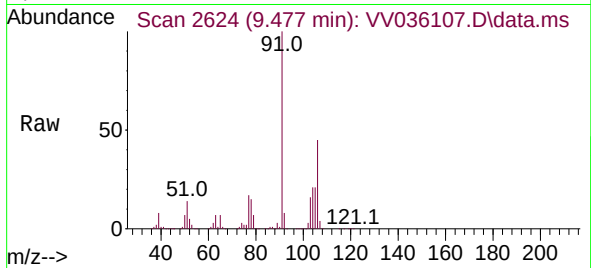




#54
o-Xylene
Concen: 31.538 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

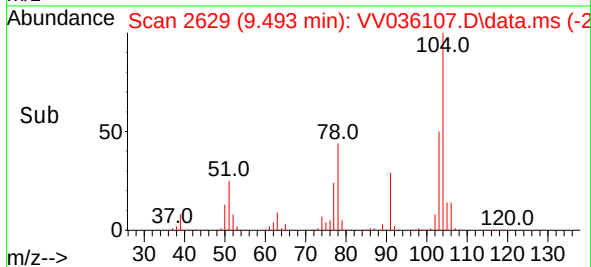
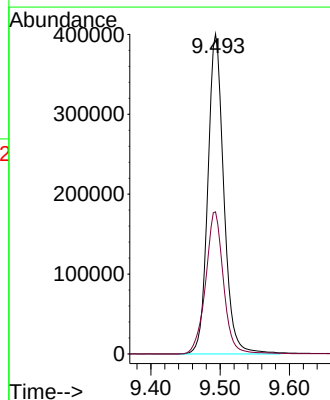
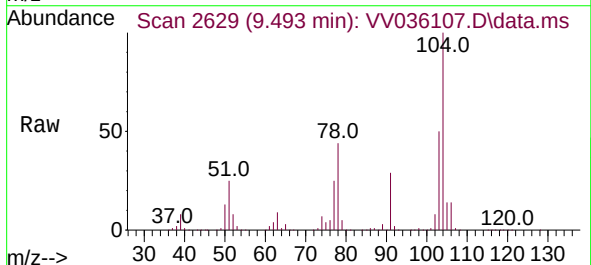
Instrument :
MSVOA_V
ClientSampleId :

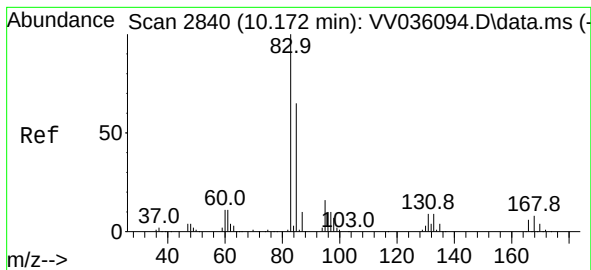
Tgt Ion:106 Resp: 339596
Ion Ratio Lower Upper
106 100
91 220.3 154.5 286.9



#55
Styrene
Concen: 33.735 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion:104 Resp: 640560
Ion Ratio Lower Upper
104 100
78 44.4 31.4 58.2

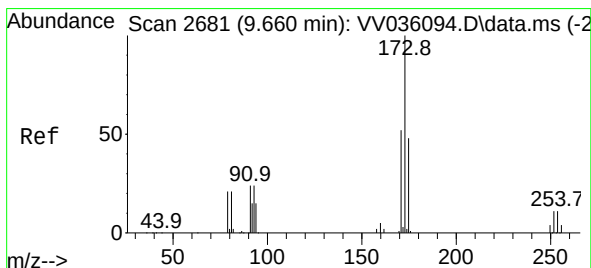
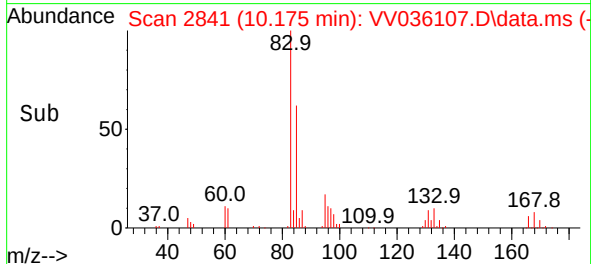
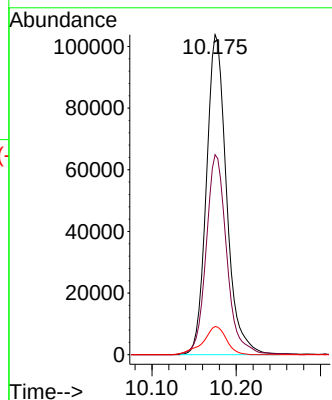
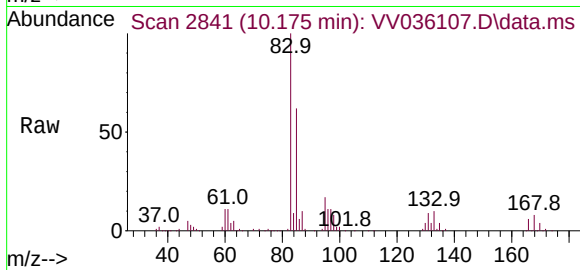




#57
1,1,2,2-Tetrachloroethane
Concen: 31.961 ug/L
RT: 10.175 min Scan# 2840
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

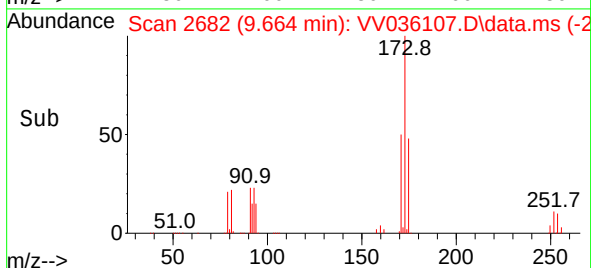
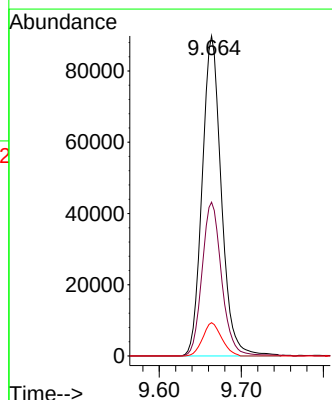
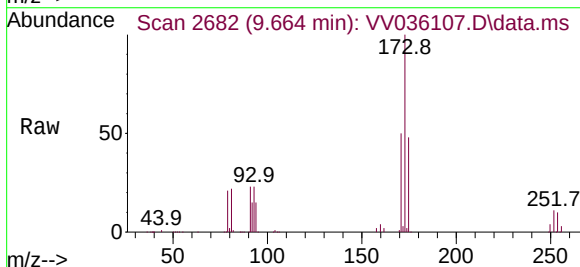
Instrument :
MSVOA_V
ClientSampleId :

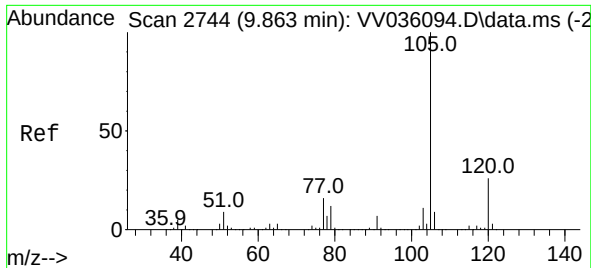
Tgt Ion: 83 Resp: 172828
Ion Ratio Lower Upper
83 100
85 62.5 45.1 83.7
131 8.8 7.6 11.4



#59
Bromoform
Concen: 33.784 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion: 173 Resp: 145901
Ion Ratio Lower Upper
173 100
175 49.2 39.0 58.6
254 10.3 8.6 13.0

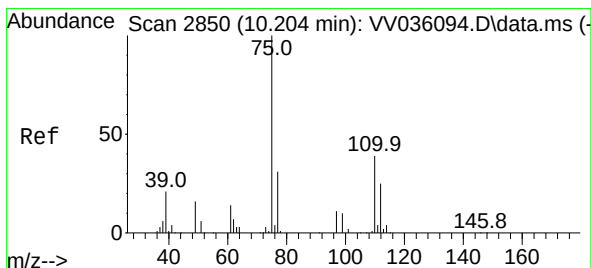
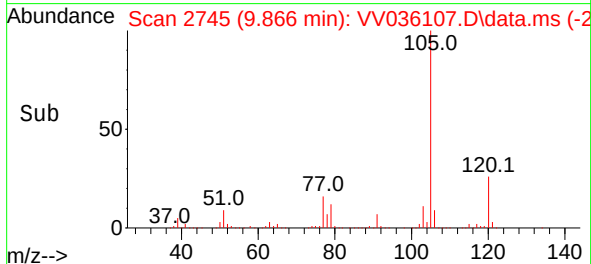
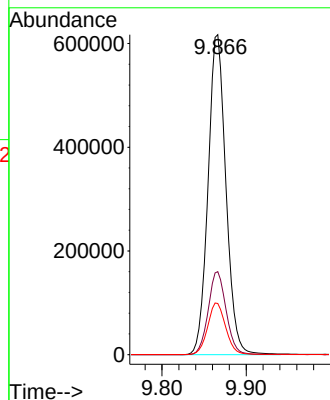
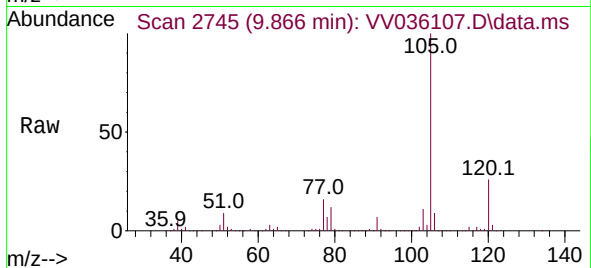




#60
Isopropylbenzene
Concen: 31.003 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

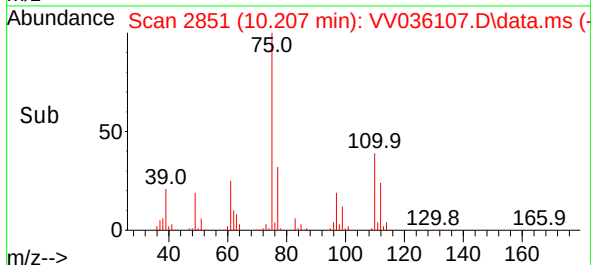
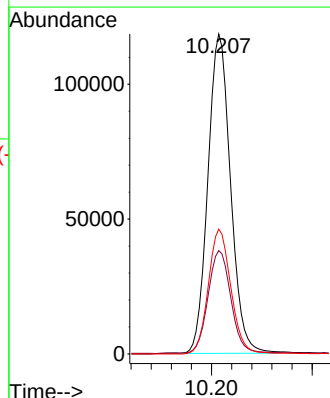
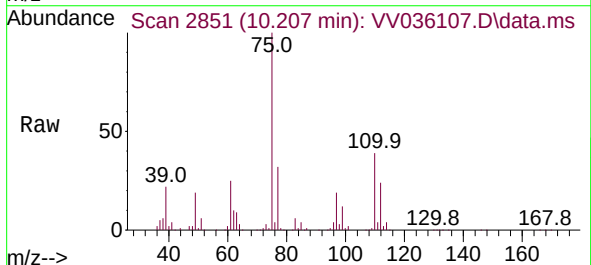
Instrument :
MSVOA_V
ClientSampleId :

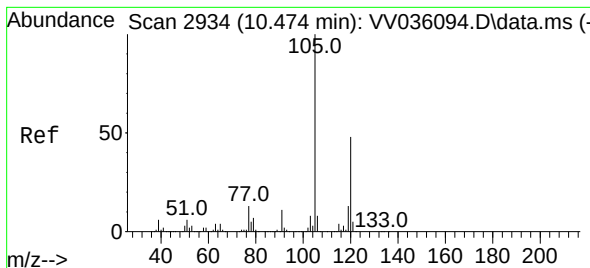
Tgt Ion:105 Resp: 910836
Ion Ratio Lower Upper
105 100
120 26.1 21.0 31.6
77 16.3 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 34.165 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.003 min
Lab File: VV036107.D
Acq: 17 Jun 2024 18:28

Tgt Ion: 75 Resp: 185039
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0
110 39.0 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 31.012 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

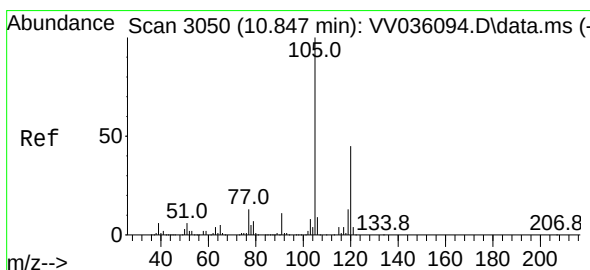
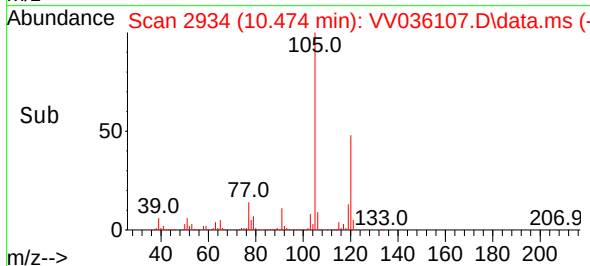
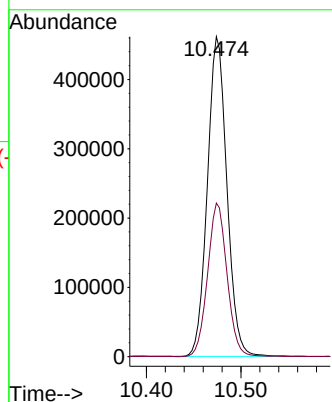
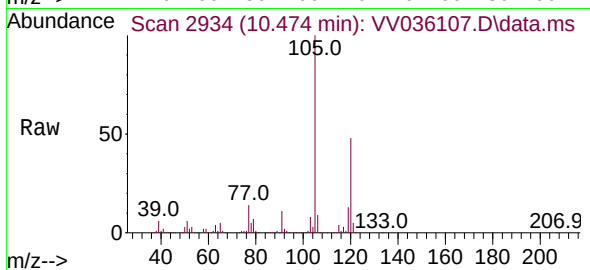
ClientSampleId :

Tgt Ion:105 Resp: 660679

Ion Ratio Lower Upper

105 100

120 47.9 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 32.331 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036107.D

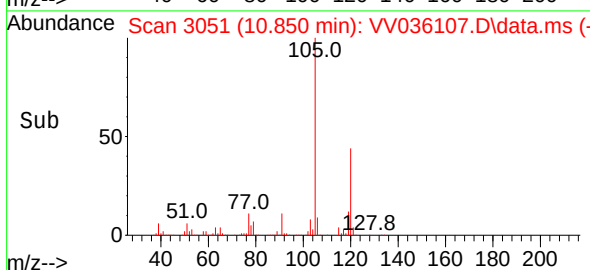
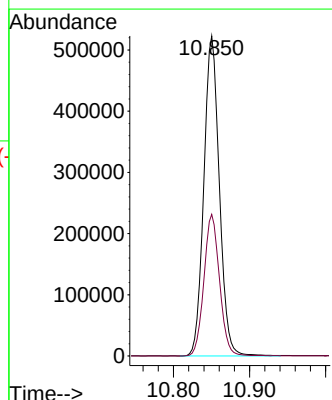
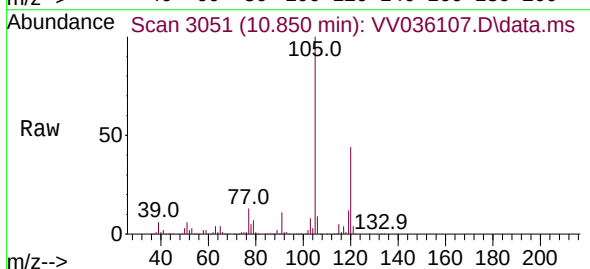
Acq: 17 Jun 2024 18:28

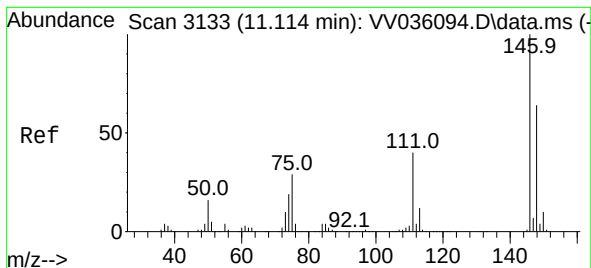
Tgt Ion:105 Resp: 742103

Ion Ratio Lower Upper

105 100

120 44.3 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 29.249 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :

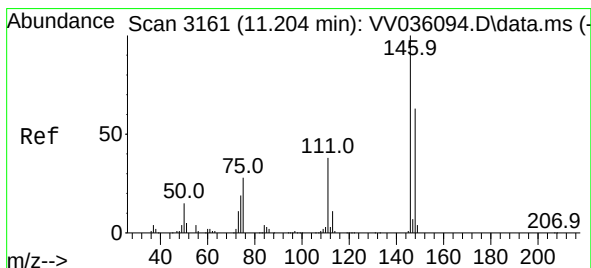
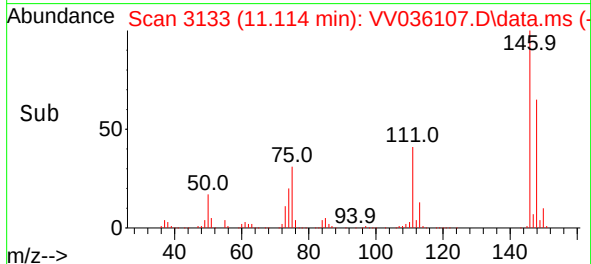
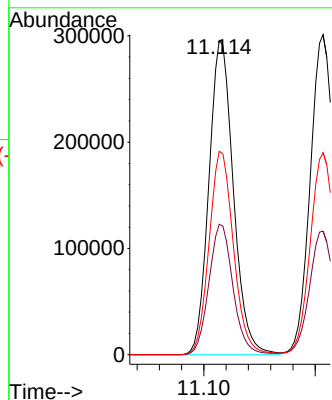
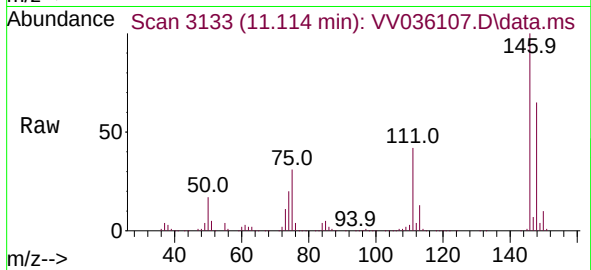
Tgt Ion:146 Resp: 451276

Ion Ratio Lower Upper

146 100

111 41.5 28.1 52.1

148 64.7 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 29.685 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

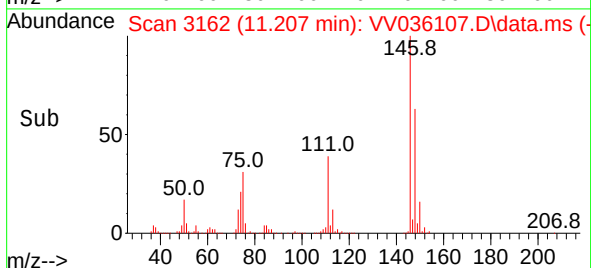
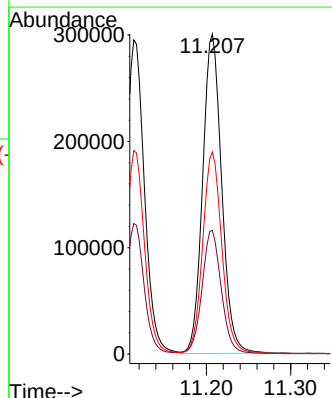
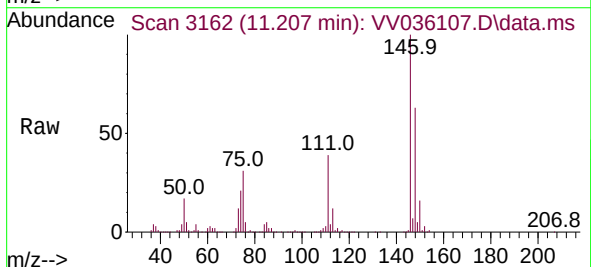
Tgt Ion:146 Resp: 472737

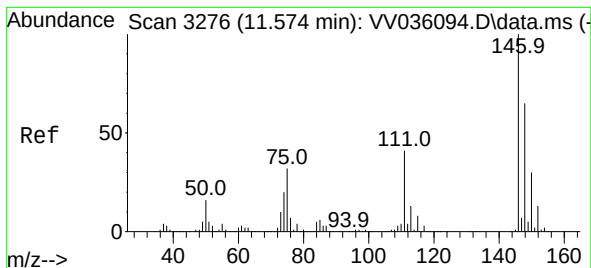
Ion Ratio Lower Upper

146 100

111 38.6 26.9 50.1

148 63.1 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 29.952 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :

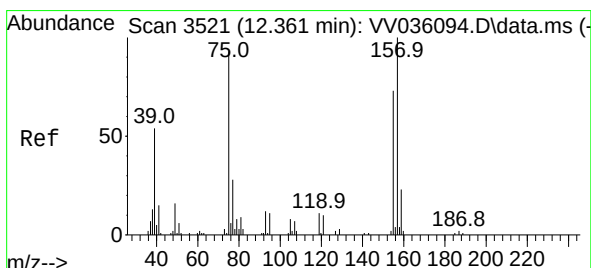
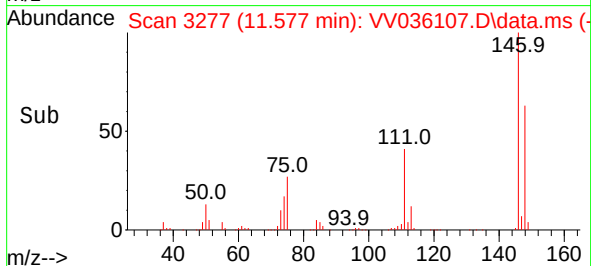
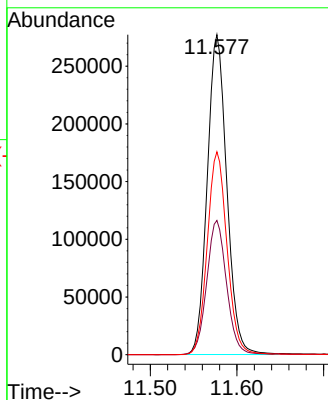
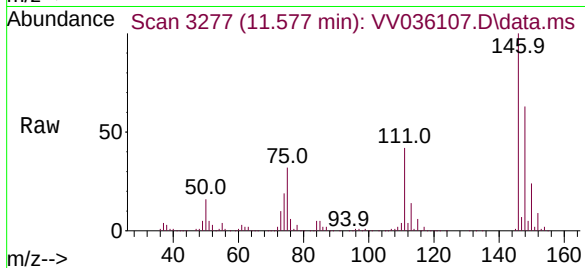
Tgt Ion:146 Resp: 434869

Ion Ratio Lower Upper

146 100

111 41.9 33.5 50.3

148 63.4 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 35.386 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

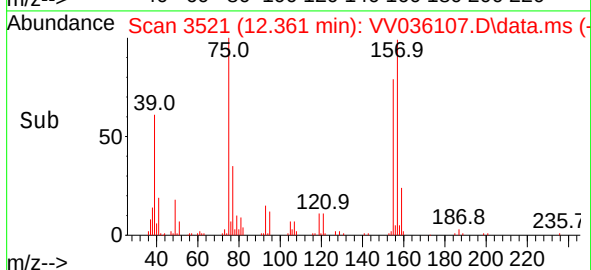
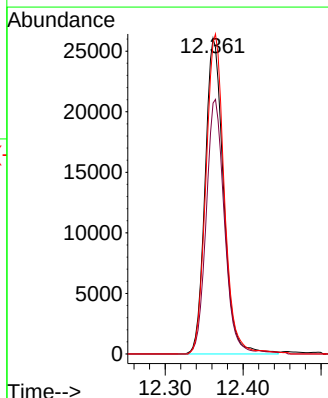
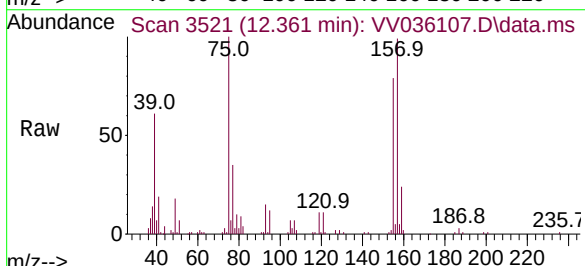
Tgt Ion: 75 Resp: 42856

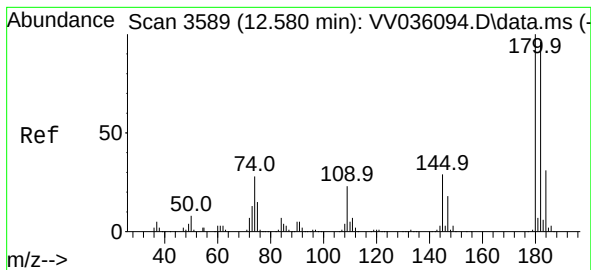
Ion Ratio Lower Upper

75 100

155 79.5 63.3 94.9

157 98.7 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 27.128 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

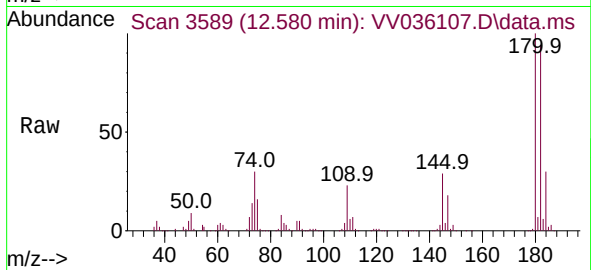
Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 313082

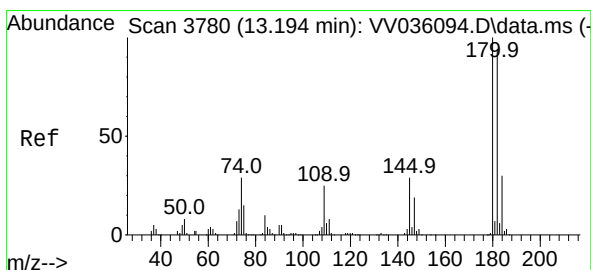
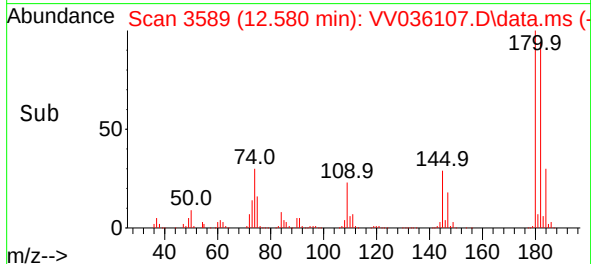
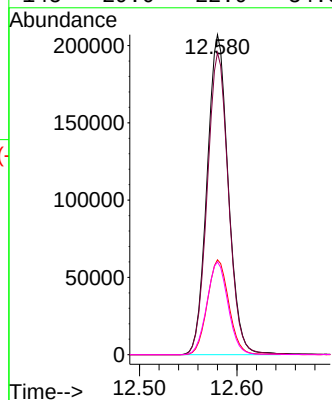
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

184 30.1 24.2 36.2

145 29.0 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 28.328 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

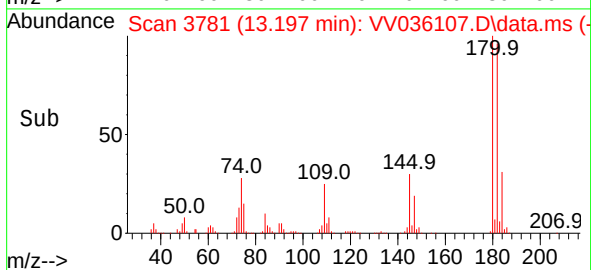
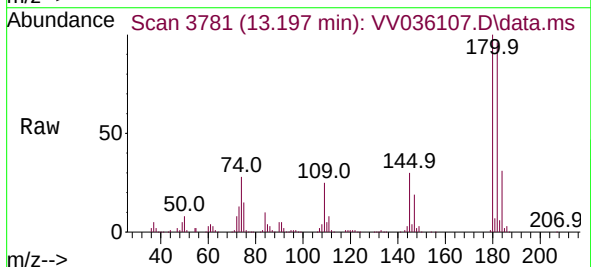
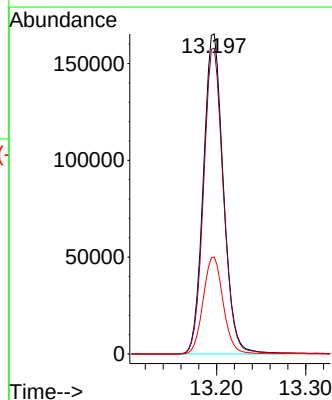
Tgt Ion:180 Resp: 257418

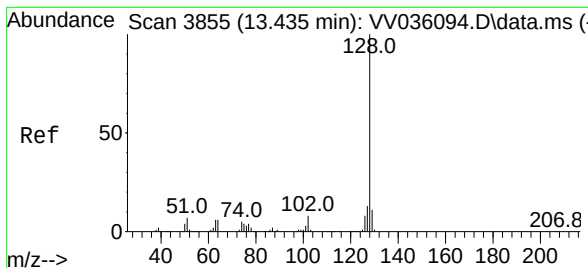
Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 30.3 23.5 35.3





#71

Naphthalene

Concen: 34.761 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Instrument :

MSVOA_V

ClientSampleId :

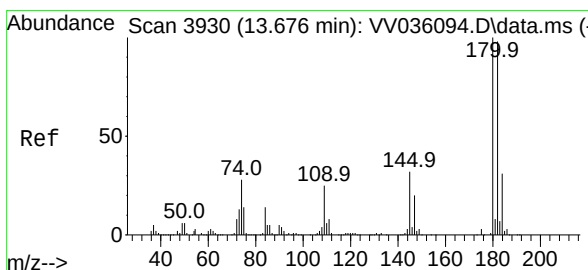
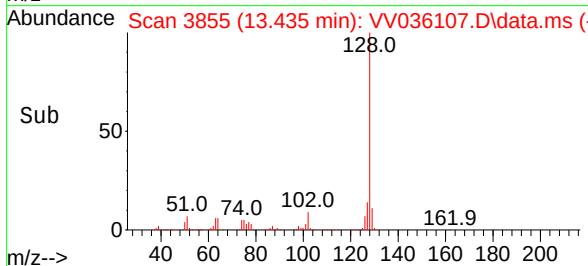
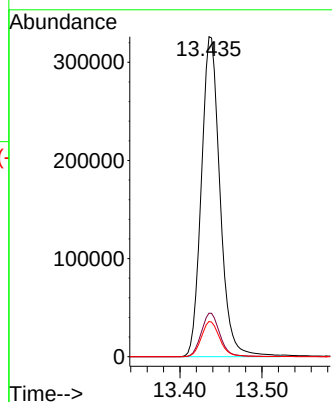
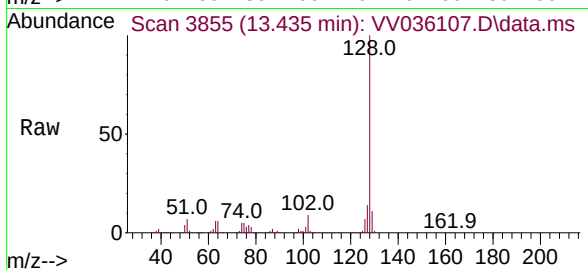
Tgt Ion:128 Resp: 515492

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 30.982 ug/L

RT: 13.676 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV036107.D

Acq: 17 Jun 2024 18:28

Tgt Ion:180 Resp: 256914

Ion Ratio Lower Upper

180 100

182 95.3 75.1 112.7

145 31.4 25.2 37.8

