

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071524\
 Data File : VV036541.D
 Acq On : 15 Jul 2024 20:51
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 16 01:32:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 01:25:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	264596	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	292758	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	175408	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	109180	28.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 115.200%	
7) Chloroethane-d5	1.526	69	97065	29.287	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 117.160%	
11) 1,1-Dichloroethene-d2	2.050	65	52320	26.877	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 107.520%	
21) 2-Butanone-d5	3.821	46	56042	86.375	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	= 172.740%#	
24) Chloroform-d	4.243	84	230820	29.970	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 119.880%	
26) 1,2-Dichloroethane-d4	4.940	65	125456	32.842	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 131.360%#	
32) Benzene-d6	4.953	84	426840	29.225	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 116.920%	
36) 1,2-Dichloropropane-d6	5.985	67	125689	28.876	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 115.520%	
41) Toluene-d8	7.239	98	418628	31.065	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 124.240%	
43) trans-1,3-Dichloroprop...	7.551	79	54763	30.260	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 121.040%	
47) 2-Hexanone-d5	8.030	63	40025	82.792	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 165.580%#	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	122203	33.335	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 133.320%#	
66) 1,2-Dichlorobenzene-d4	11.558	152	171829	28.866	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 115.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	67132	17.506	ug/L	99
3) Chloromethane	1.211	50	58109	18.883	ug/L	98
5) Vinyl chloride	1.275	62	73074	19.298	ug/L	99
6) Bromomethane	1.481	94	58334	19.092	ug/L	100
8) Chloroethane	1.542	64	52710	20.121	ug/L	97
9) Trichlorofluoromethane	1.706	101	132226	19.674	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	86319	19.048	ug/L	98
12) 1,1-Dichloroethene	2.060	96	73188	18.724	ug/L	96
13) Acetone	2.137	43	38336	41.792	ug/L #	42
14) Carbon disulfide	2.230	76	139586	15.905	ug/L	99
15) Methyl Acetate	2.384	43	34687	27.989	ug/L	100
16) Methylene chloride	2.439	84	116209	21.362	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	68752	19.355	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	191908	24.110	ug/L	100
19) 1,1-Dichloroethane	3.104	63	135697	21.105	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	81329	22.029	ug/L	99
22) 2-Butanone	3.828	43	1267	1.645	ug/L	99
23) Bromochloromethane	4.143	128	51297	24.463	ug/L	93
25) Chloroform	4.272	83	175075	22.932	ug/L	100

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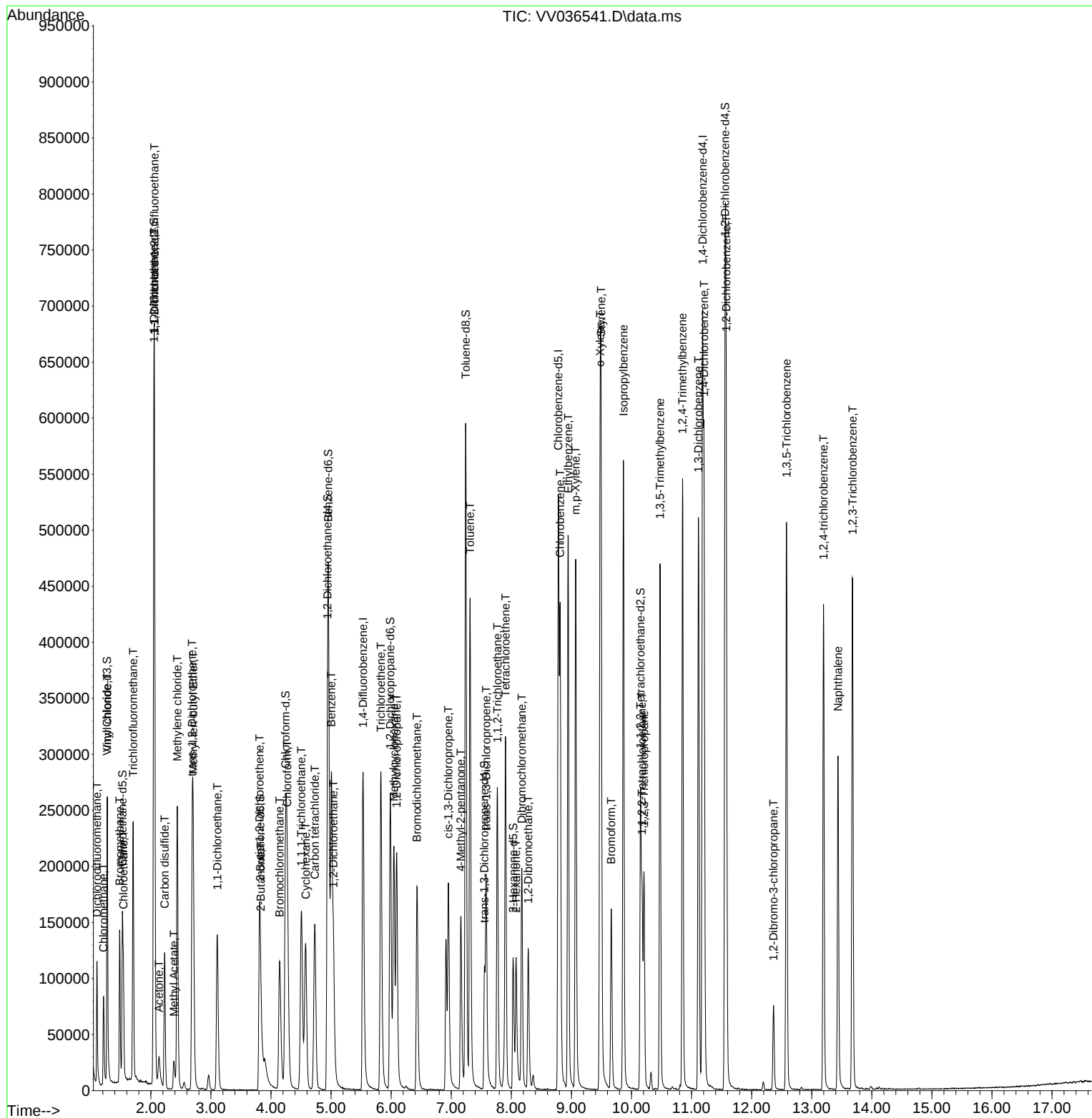
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	109245	25.474	ug/L	100
29) Cyclohexane	4.577	56	58673	15.754	ug/L	98
30) 1,1,1-Trichloroethane	4.506	97	137310	20.176	ug/L	97
31) Carbon tetrachloride	4.728	117	115540	19.143	ug/L	99
33) Benzene	5.005	78	301080	20.782	ug/L	100
34) Trichloroethene	5.831	95	95041	20.615	ug/L	98
35) Methylcyclohexane	6.046	83	87802	16.687	ug/L	98
37) 1,2-Dichloropropane	6.091	63	80631	22.053	ug/L	99
38) Bromodichloromethane	6.429	83	127668	22.037	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	115812	20.541	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	90643	54.553	ug/L	96
42) Toluene	7.313	91	342189	22.290	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	116584	23.191	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	87343	24.242	ug/L	99
46) Tetrachloroethene	7.905	164	75510	20.257	ug/L	97
48) 2-Hexanone	8.079	43	67534	54.793	ug/L	96
49) Dibromochloromethane	8.175	129	104281	23.935	ug/L	100
50) 1,2-Dibromoethane	8.281	107	85866	25.394	ug/L	99
51) Chlorobenzene	8.812	112	247936	21.565	ug/L	97
52) Ethylbenzene	8.947	91	341107	20.714	ug/L	100
53) m,p-Xylene	9.072	106	138518	21.848	ug/L	99
54) o-Xylene	9.477	106	131426	21.773	ug/L	100
55) Styrene	9.493	104	264698	24.509	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	82926	25.206	ug/L	98
59) Bromoform	9.664	173	76072	24.470	ug/L	99
60) Isopropylbenzene	9.866	105	351259	20.045	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	75321	24.135	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	247159	19.695	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	285078	20.877	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	225232	21.742	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	238157	21.410	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	224597	22.562	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.365	75	18546	27.466	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	169914	21.183	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	139411	21.853	ug/L	100
71) Naphthalene	13.438	128	244738	25.543	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	149503	24.770	ug/L	99

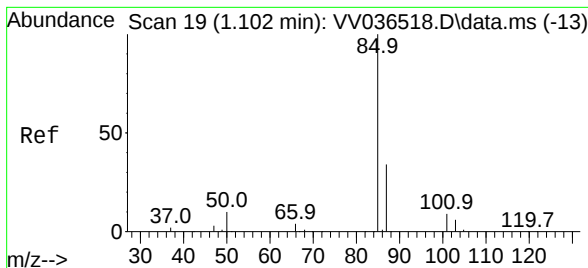
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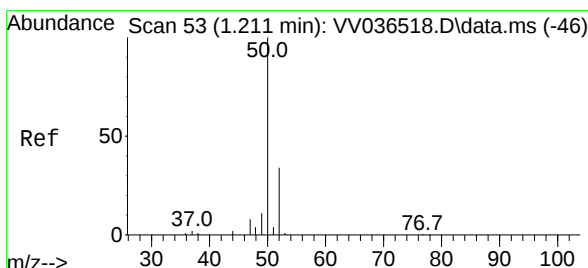
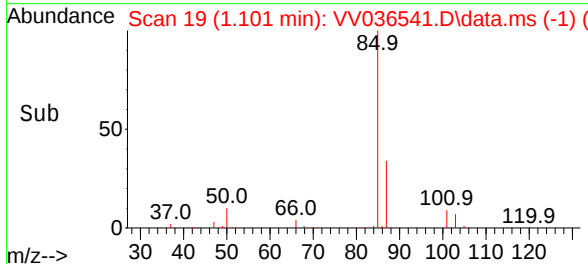
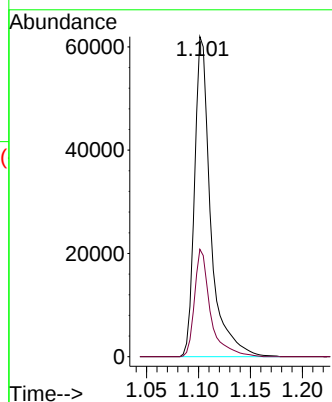
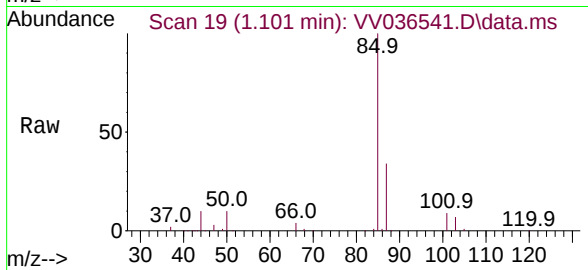




#2
 Dichlorodifluoromethane
 Concen: 17.506 ug/L
 RT: 1.101 min Scan# 19
 Delta R.T. -0.000 min
 Lab File: VV036541.D
 Acq: 15 Jul 2024 20:51

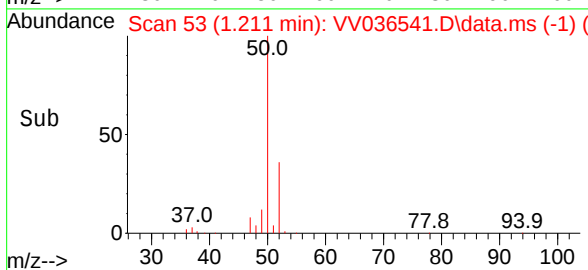
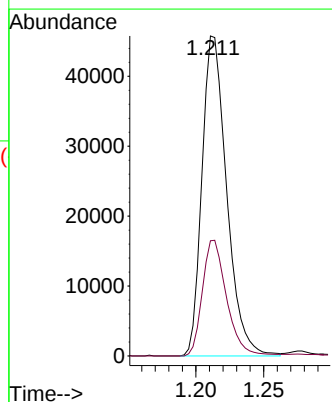
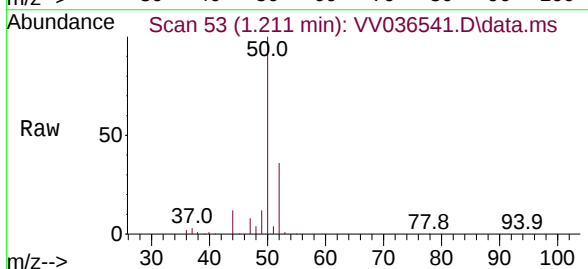
Instrument :
 MSVOA_V
 ClientSampleId :

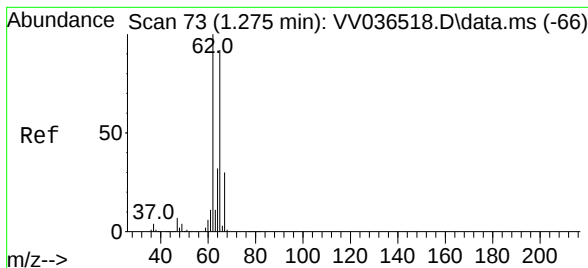
Tgt Ion: 85 Resp: 67132
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.2 39.2



#3
 Chloromethane
 Concen: 18.883 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: VV036541.D
 Acq: 15 Jul 2024 20:51

Tgt Ion: 50 Resp: 58109
 Ion Ratio Lower Upper
 50 100
 52 36.0 24.4 45.4





#5

Vinyl chloride

Concen: 19.298 ug/L

RT: 1.275 min Scan# 73

Delta R.T. -0.000 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

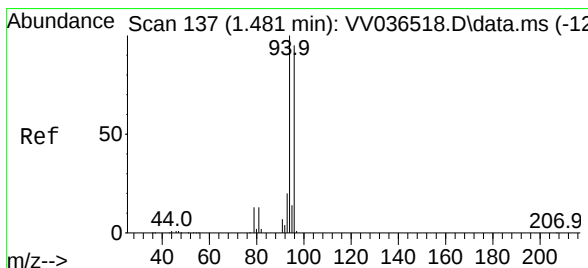
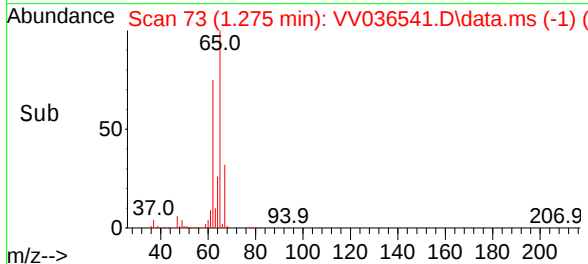
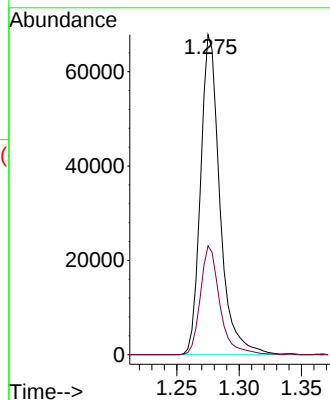
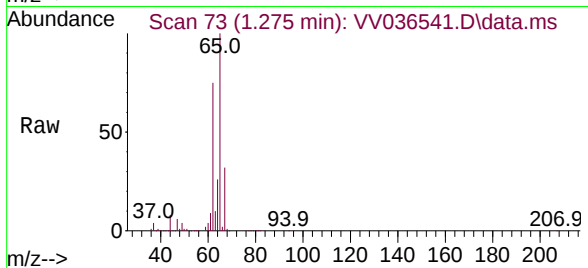
ClientSampleId :

Tgt Ion: 62 Resp: 73074

Ion Ratio Lower Upper

62 100

64 34.0 23.4 43.4



#6

Bromomethane

Concen: 19.092 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.000 min

Lab File: VV036541.D

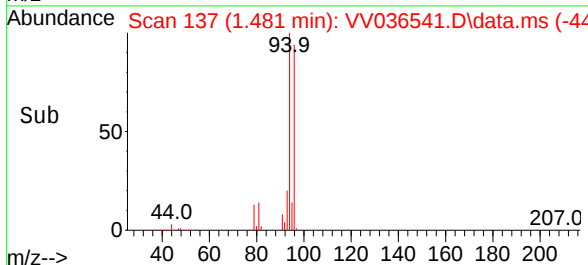
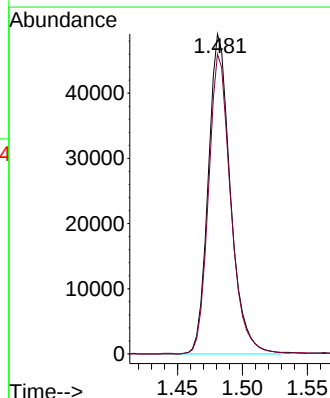
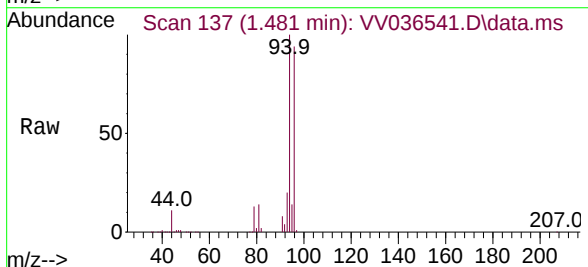
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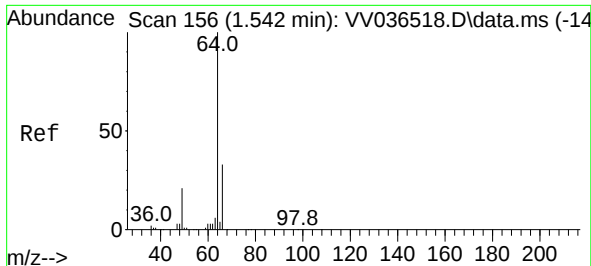
Tgt Ion: 94 Resp: 58334

Ion Ratio Lower Upper

94 100

96 93.7 65.6 121.8

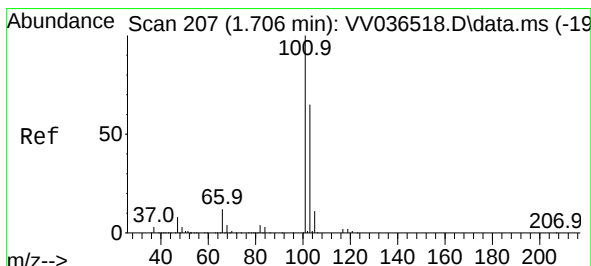
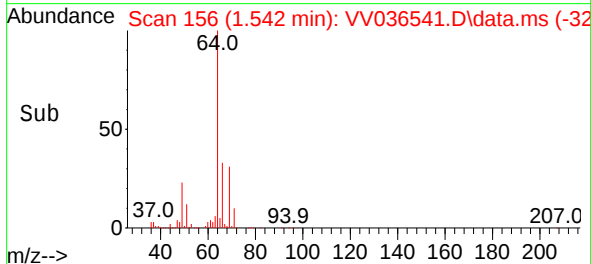
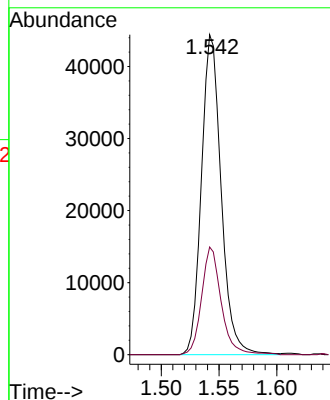
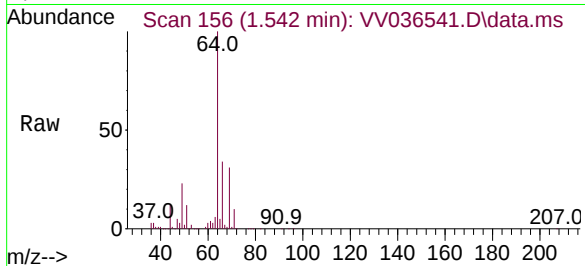




#8
Chloroethane
Concen: 20.121 ug/L
RT: 1.542 min Scan# 156
Delta R.T. -0.000 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

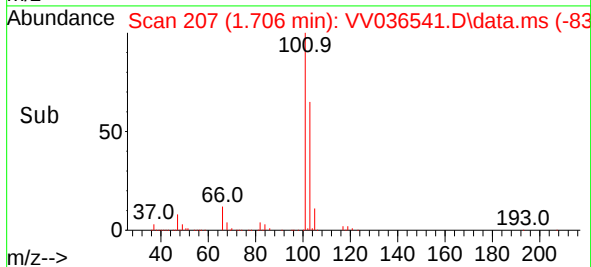
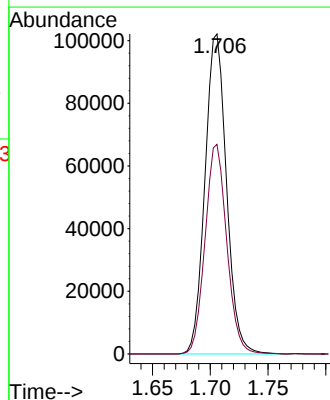
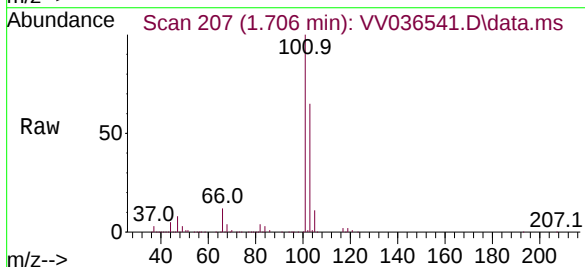
Instrument :
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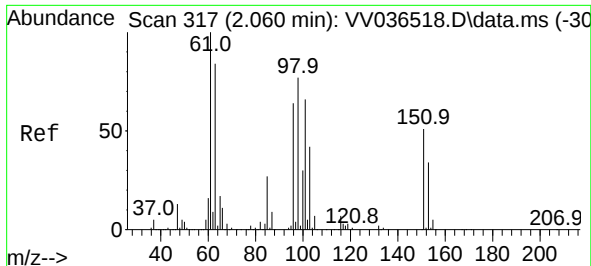
Tgt Ion: 64 Resp: 52710
Ion Ratio Lower Upper
64 100
66 33.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 19.674 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.000 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion:101 Resp: 132226
Ion Ratio Lower Upper
101 100
103 66.0 51.9 77.9

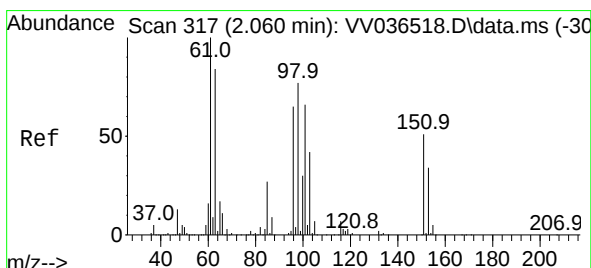
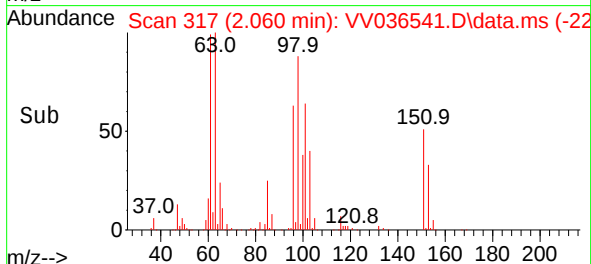
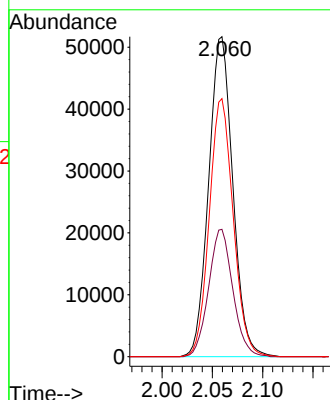
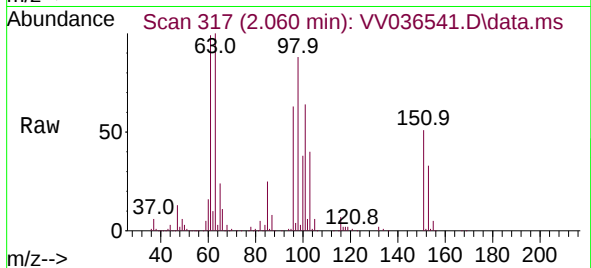




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 19.048 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. -0.000 min
 Lab File: VV036541.D
 Acq: 15 Jul 2024 20:51

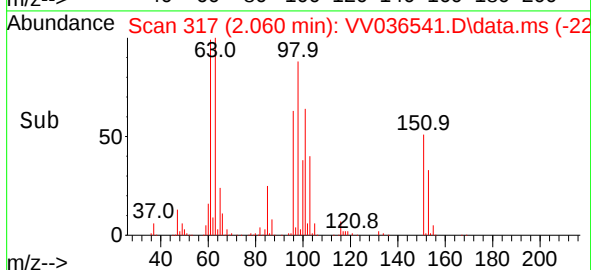
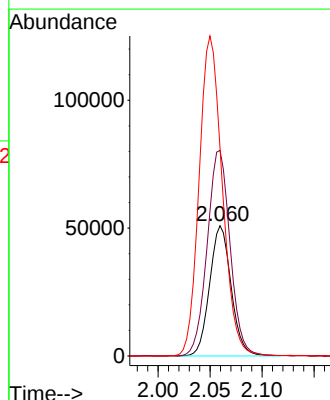
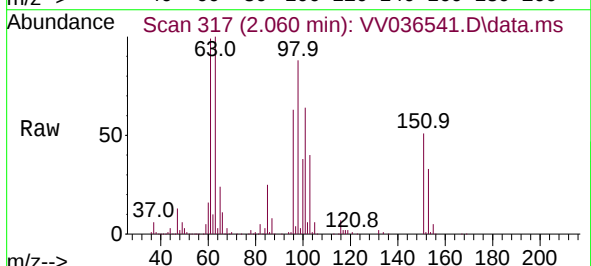
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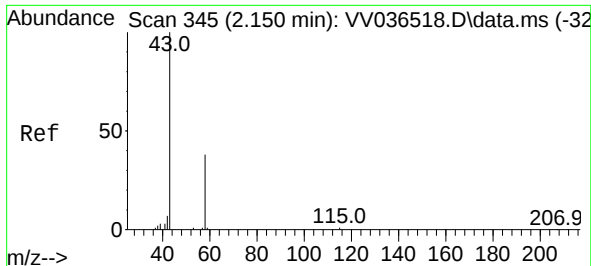
Tgt Ion:101 Resp: 86319
 Ion Ratio Lower Upper
 101 100
 85 39.8 32.5 48.7
 151 79.9 62.6 94.0



#12
 1,1-Dichloroethene
 Concen: 18.724 ug/L
 RT: 2.060 min Scan# 317
 Delta R.T. -0.000 min
 Lab File: VV036541.D
 Acq: 15 Jul 2024 20:51

Tgt Ion: 96 Resp: 73188
 Ion Ratio Lower Upper
 96 100
 61 157.8 110.8 205.8
 63 159.2 103.9 192.9





#13

Acetone

Concen: 41.792 ug/L

RT: 2.137 min Scan# 341

Delta R.T. -0.013 min

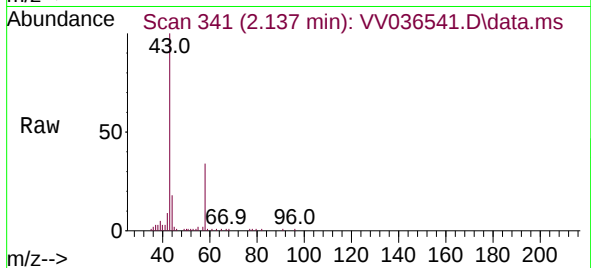
Lab File: VV036541.D

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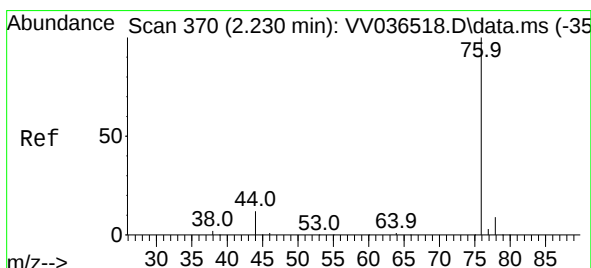
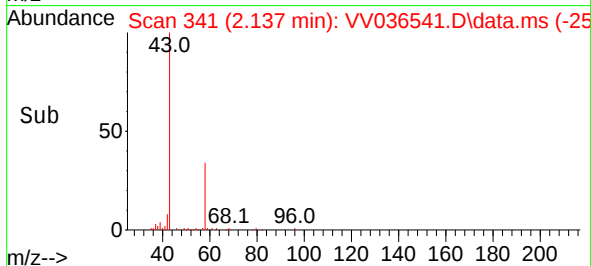
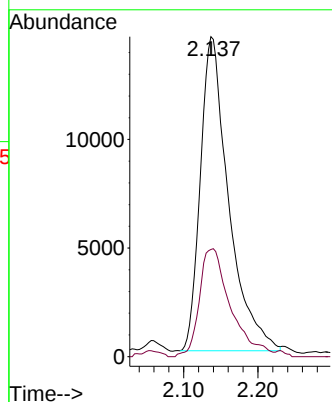


Tgt Ion: 43 Resp: 38336

Ion Ratio Lower Upper

43 100

58 37.9 0.0 28.4#



#14

Carbon disulfide

Concen: 15.905 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.000 min

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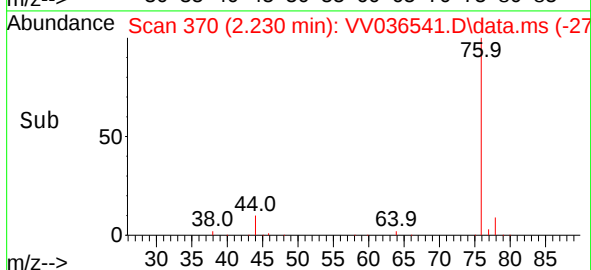
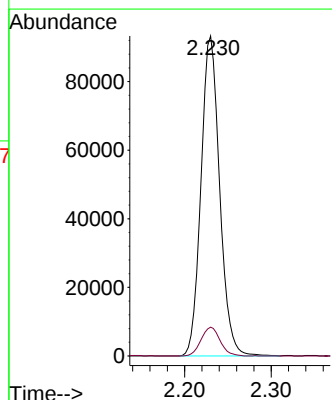
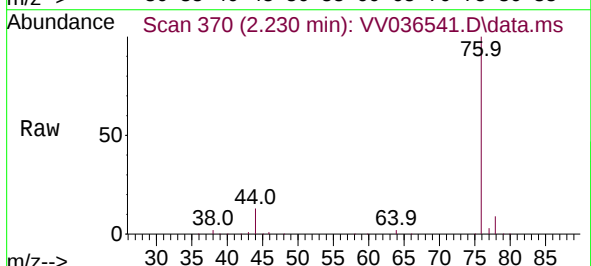
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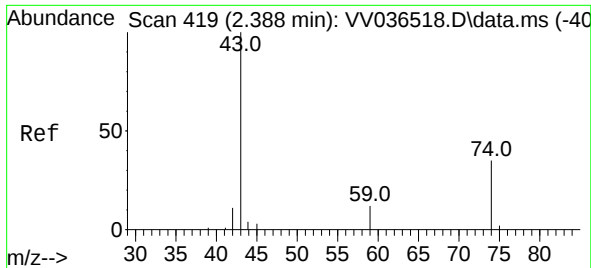
Tgt Ion: 76 Resp: 139586

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#15

Methyl Acetate

Concen: 27.989 ug/L

RT: 2.384 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

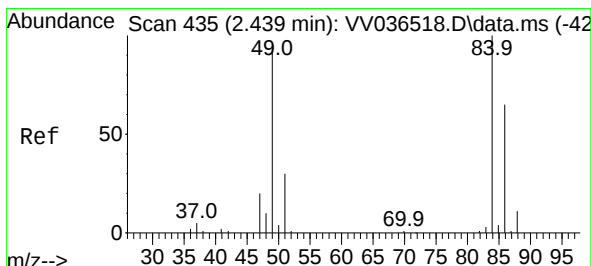
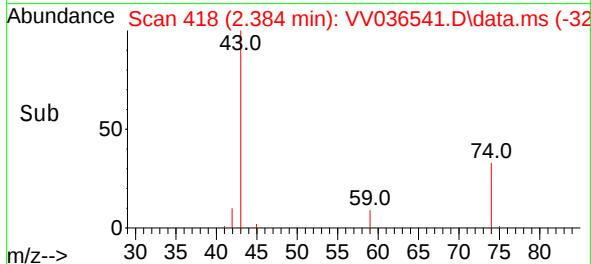
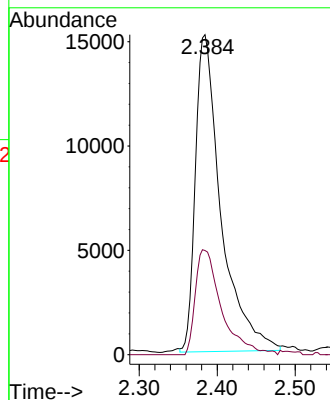
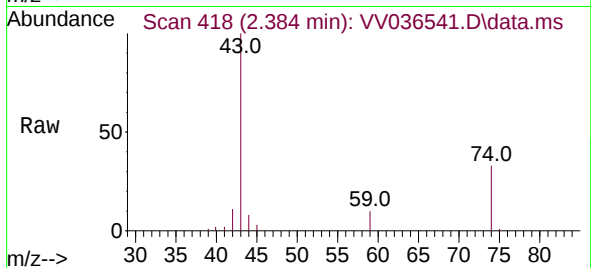
ClientSampleId :

Tgt Ion: 43 Resp: 34687

Ion Ratio Lower Upper

43 100

74 33.1 26.3 39.5



#16

Methylene chloride

Concen: 21.362 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

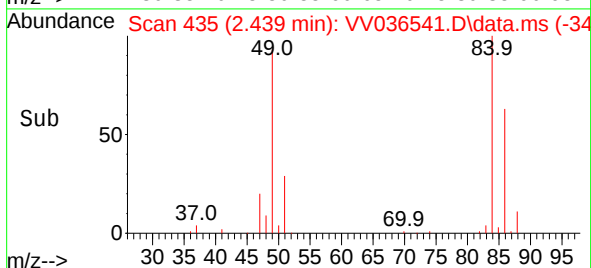
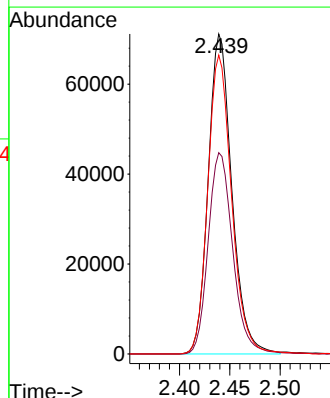
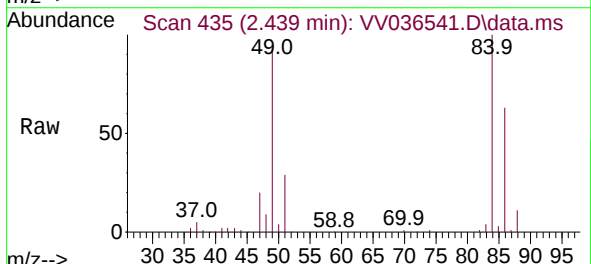
Tgt Ion: 84 Resp: 116209

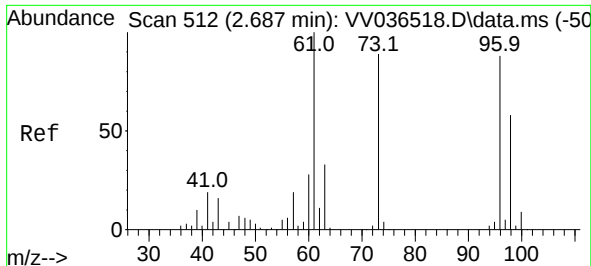
Ion Ratio Lower Upper

84 100

86 62.9 46.3 86.1

49 93.4 68.1 126.5





#17

trans-1,2-Dichloroethene

Concen: 19.355 ug/L

RT: 2.687 min Scan# 512

Delta R.T. -0.000 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :

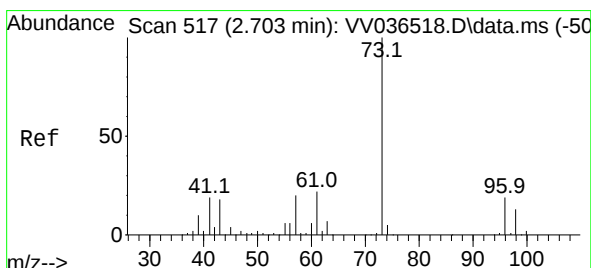
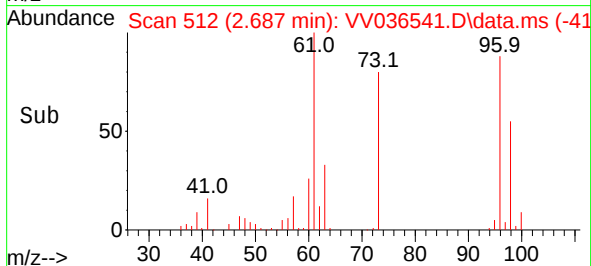
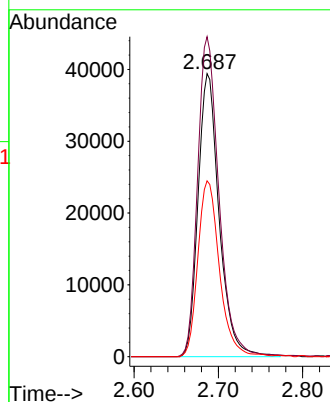
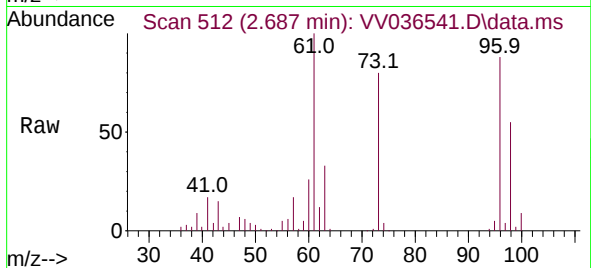
Tgt Ion: 96 Resp: 68752

Ion Ratio Lower Upper

96 100

61 113.1 80.7 149.9

98 62.1 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 24.110 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

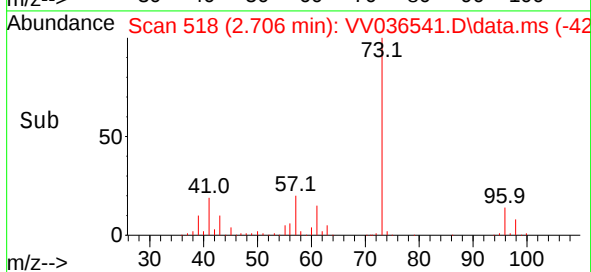
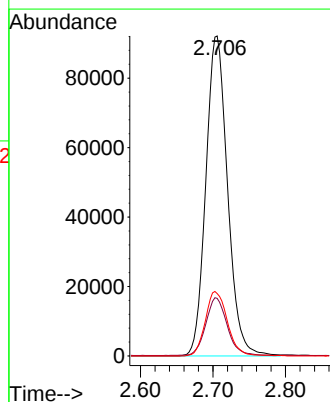
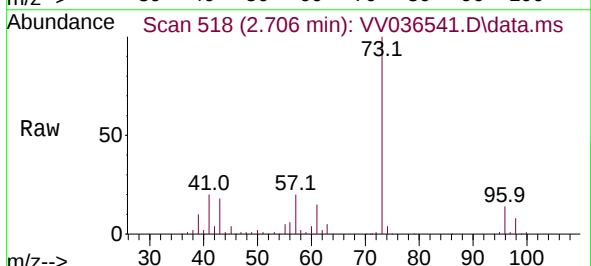
Tgt Ion: 73 Resp: 191908

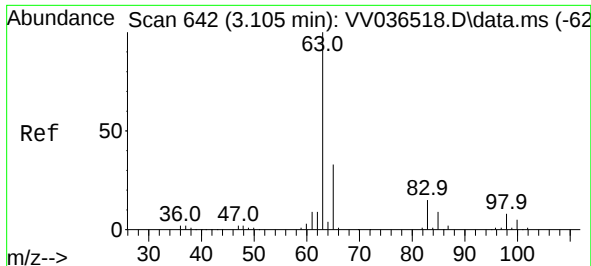
Ion Ratio Lower Upper

73 100

43 17.8 14.3 21.5

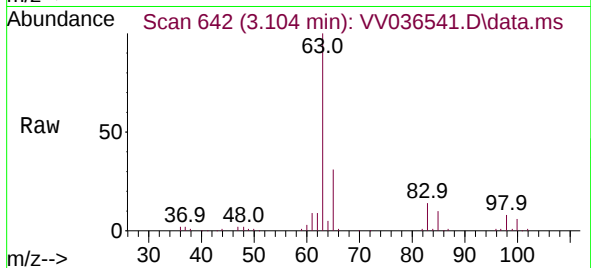
57 20.4 16.5 24.7



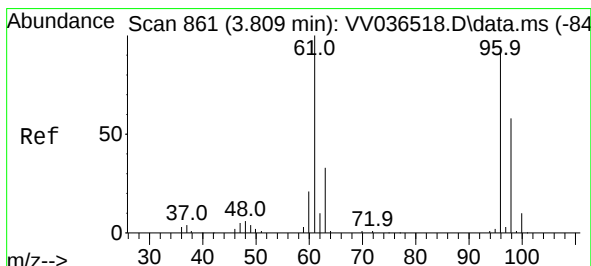
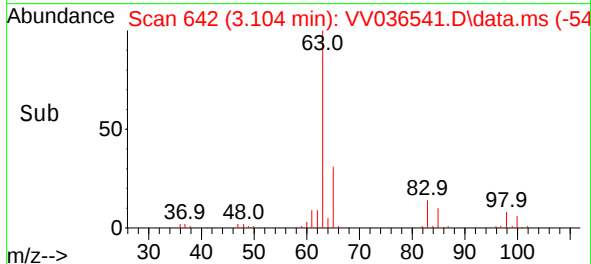
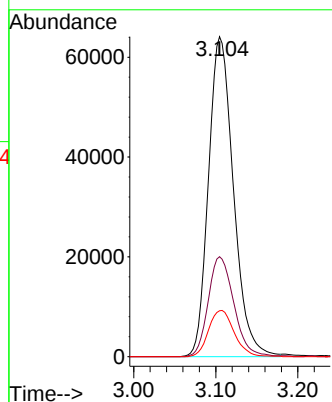


#19
1,1-Dichloroethane
Concen: 21.105 ug/L
RT: 3.104 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Instrument :
MSVOA_V
ClientSampleId :

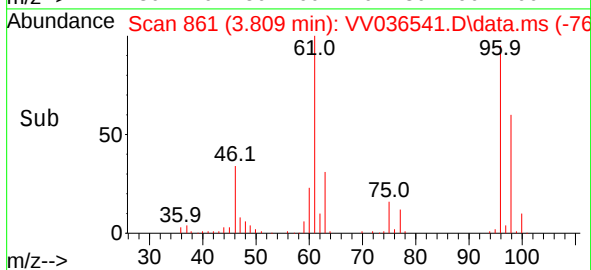
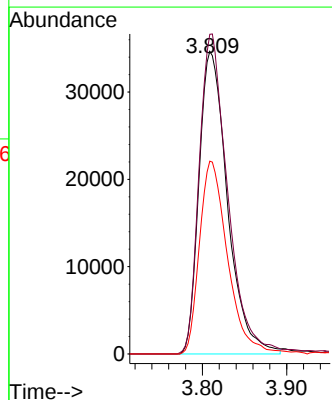
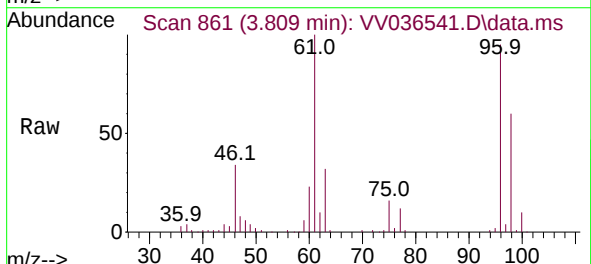


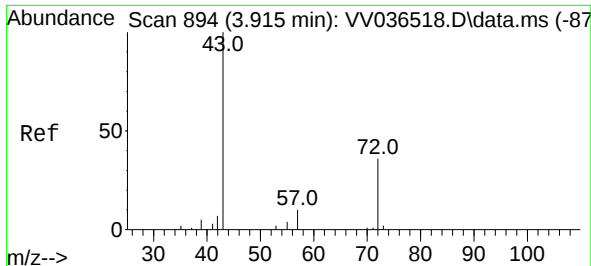
Tgt Ion: 63 Resp: 135697
Ion Ratio Lower Upper
63 100
65 31.2 22.7 42.1
83 14.4 10.9 20.2



#20
cis-1,2-Dichloroethene
Concen: 22.029 ug/L
RT: 3.809 min Scan# 861
Delta R.T. -0.000 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion: 96 Resp: 81329
Ion Ratio Lower Upper
96 100
61 105.7 74.8 138.8
98 63.7 45.2 84.0





#22

2-Butanone

Concen: 1.645 ug/L

RT: 3.828 min Scan# 894

Delta R.T. -0.087 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

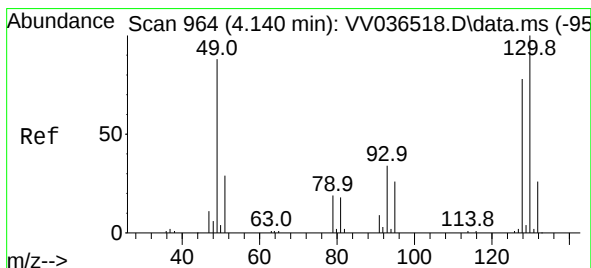
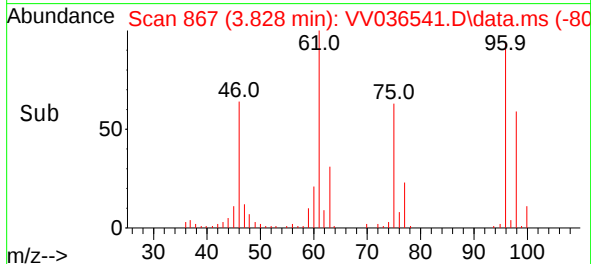
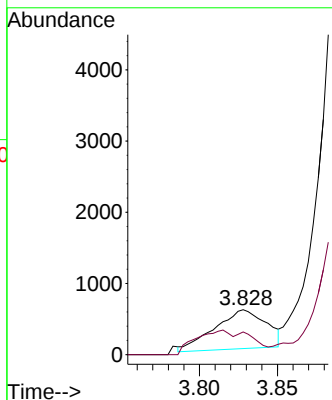
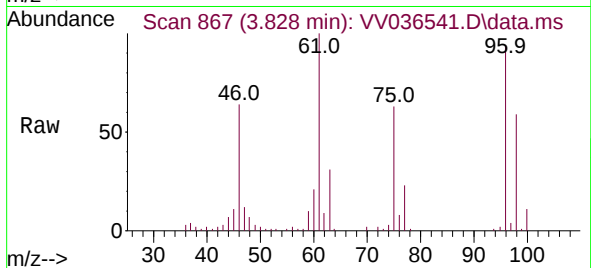
ClientSampleId :

Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

72 12.1 5.9 17.6



#23

Bromochloromethane

Concen: 24.463 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Tgt Ion:128 Resp: 51297

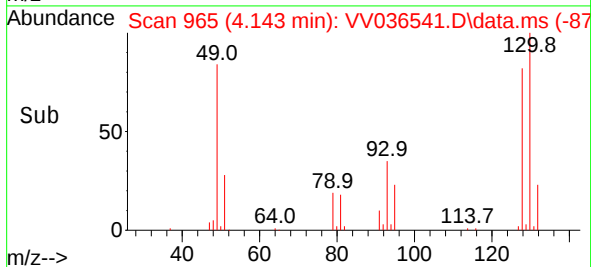
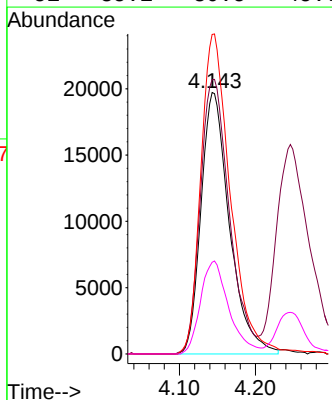
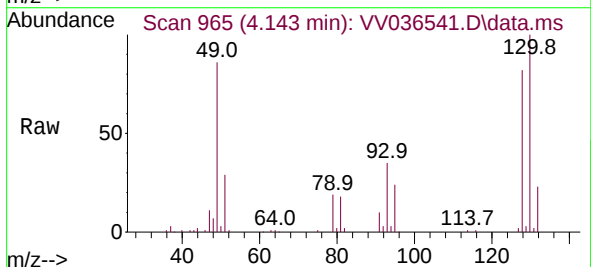
Ion Ratio Lower Upper

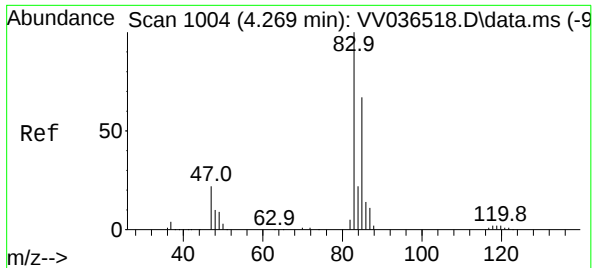
128 100

49 104.9 80.7 149.9

130 122.2 89.9 167.0

51 35.1 30.5 45.7





#25

Chloroform

Concen: 22.932 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

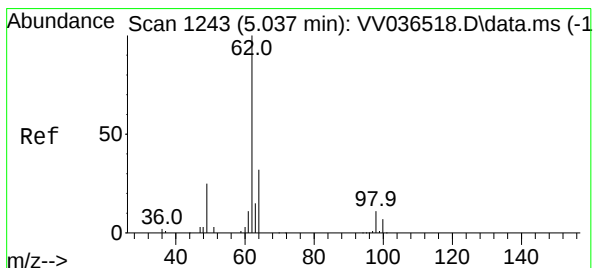
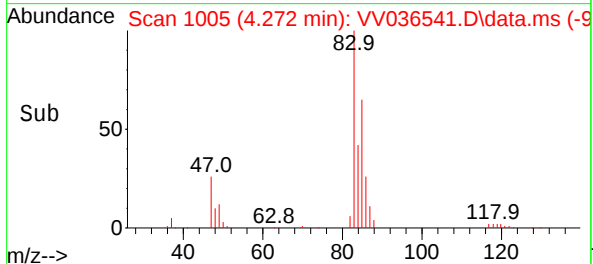
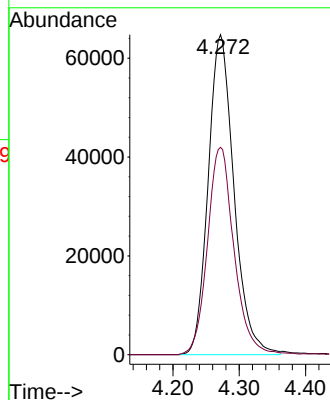
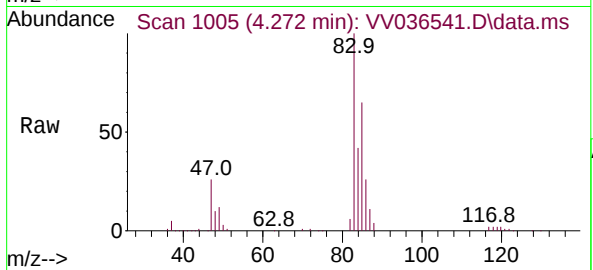
ClientSampleId :

Tgt Ion: 83 Resp: 175075

Ion Ratio Lower Upper

83 100

85 64.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 25.474 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VV036541.D

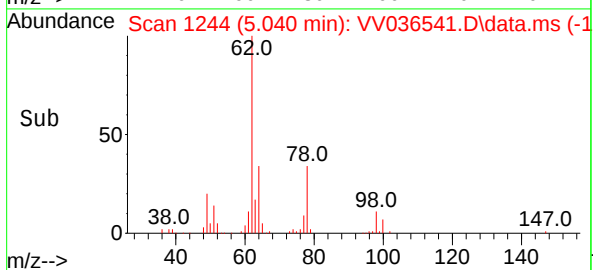
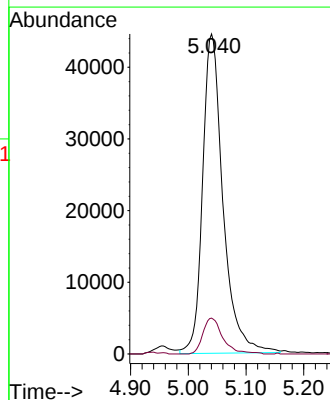
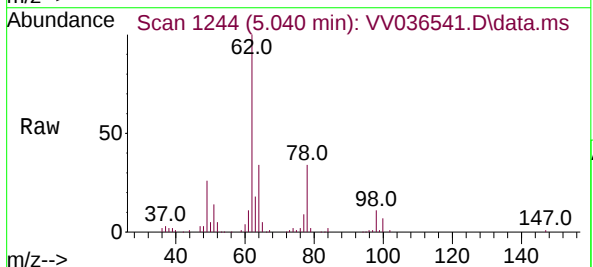
Acq: 15 Jul 2024 20:51

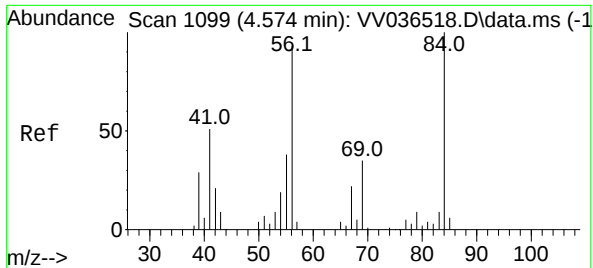
Tgt Ion: 62 Resp: 109245

Ion Ratio Lower Upper

62 100

98 11.2 8.9 13.3





#29

Cyclohexane

Concen: 15.754 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :

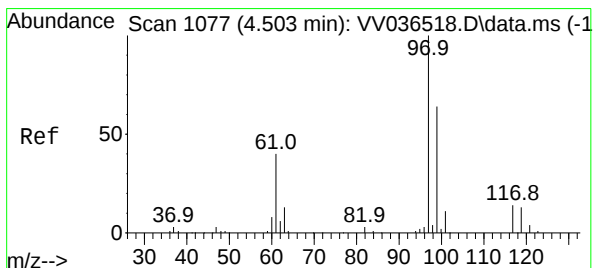
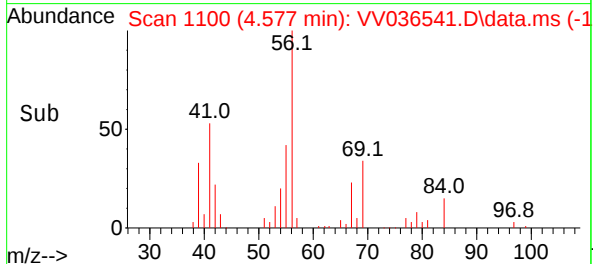
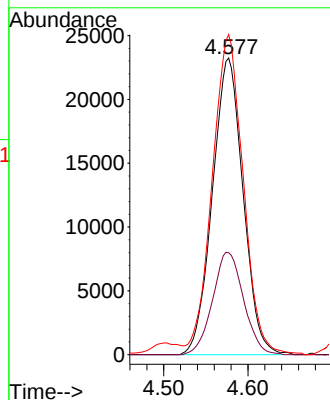
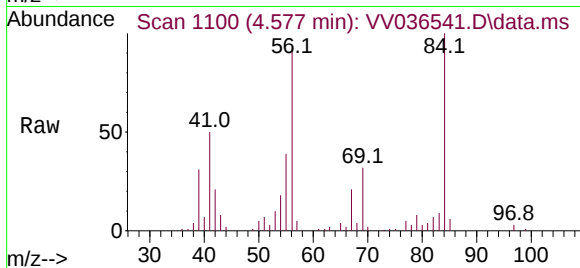
Tgt Ion: 56 Resp: 58673

Ion Ratio Lower Upper

56 100

69 34.9 27.6 41.4

84 109.2 85.4 128.2



#30

1,1,1-Trichloroethane

Concen: 20.176 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

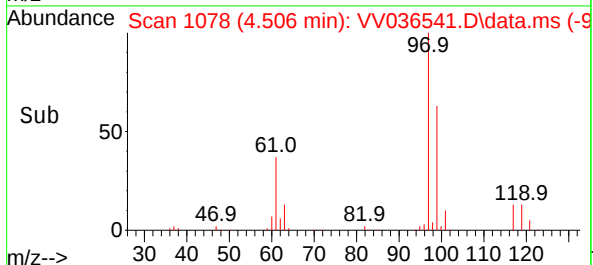
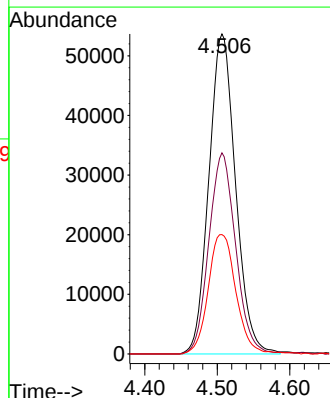
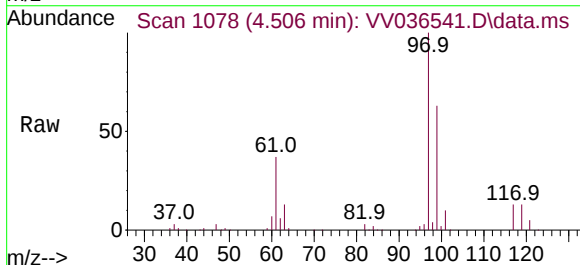
Tgt Ion: 97 Resp: 137310

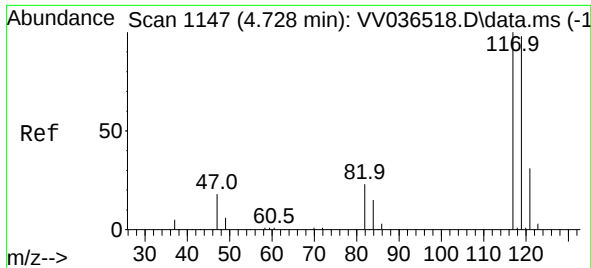
Ion Ratio Lower Upper

97 100

99 63.0 51.9 77.9

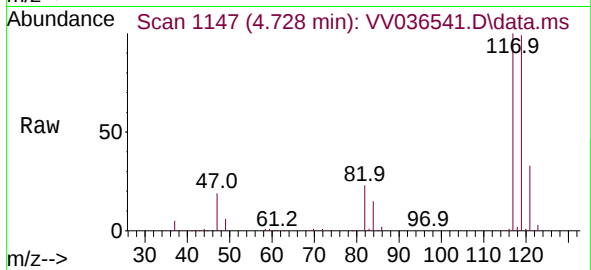
61 38.4 32.2 48.4



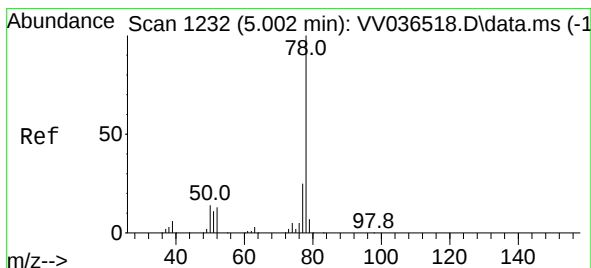
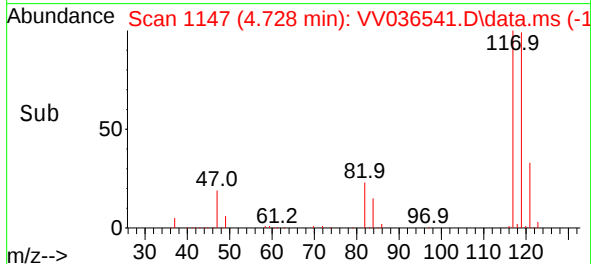
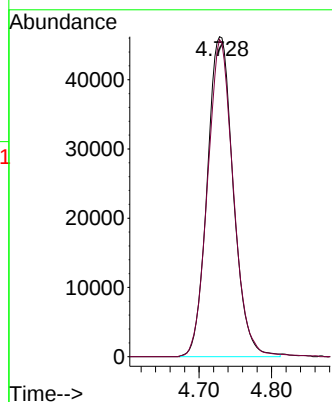


#31
Carbon tetrachloride
Concen: 19.143 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. -0.000 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Instrument :
MSVOA_V
ClientSampleId :

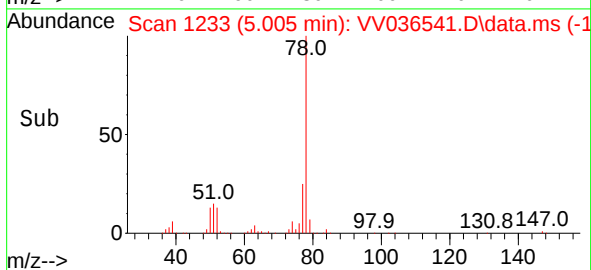
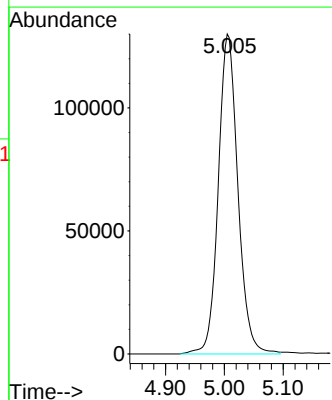
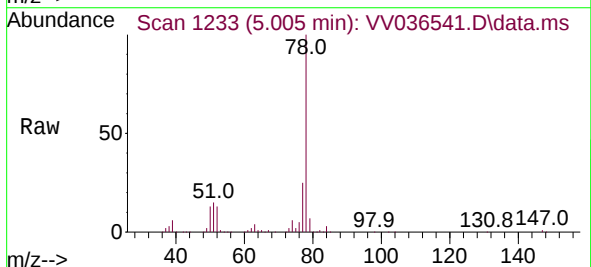


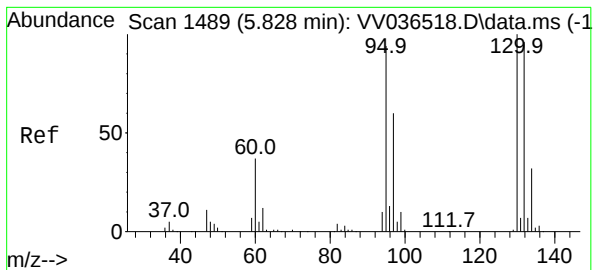
Tgt Ion:117 Resp: 115540
Ion Ratio Lower Upper
117 100
119 98.1 77.6 116.4



#33
Benzene
Concen: 20.782 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion: 78 Resp: 301080





#34

Trichloroethene

Concen: 20.615 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 95041

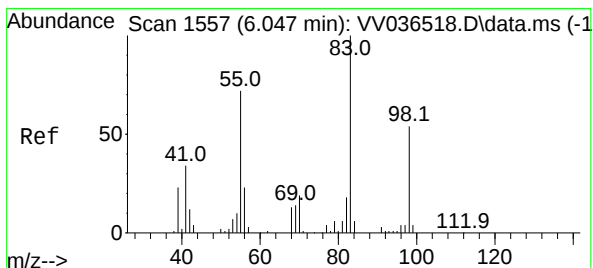
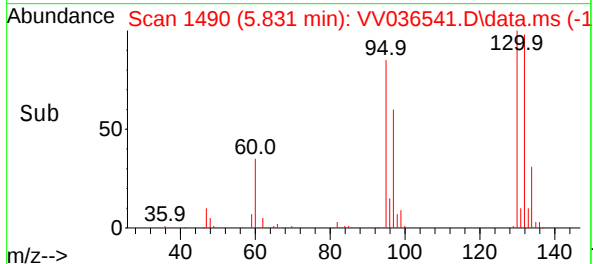
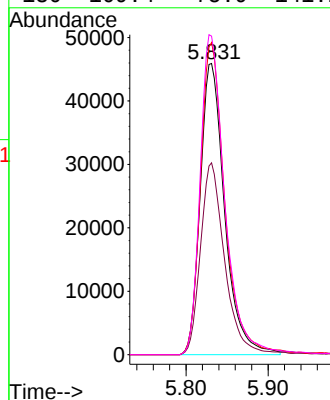
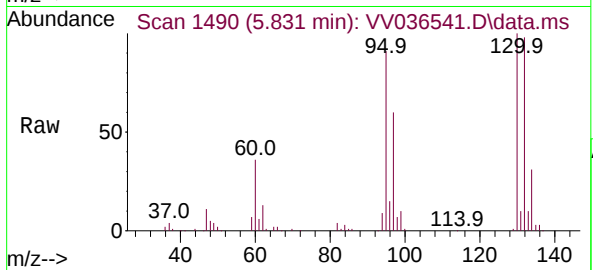
Ion Ratio Lower Upper

95 100

97 65.9 44.4 82.4

132 107.2 73.0 135.6

130 109.4 75.9 141.1



#35

Methylcyclohexane

Concen: 16.687 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. -0.000 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

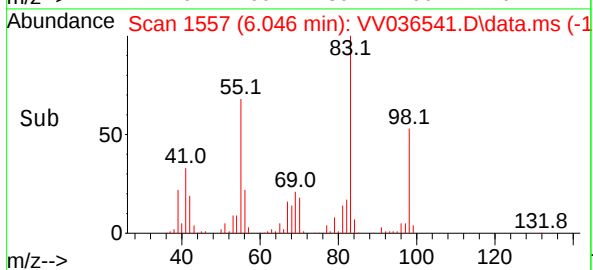
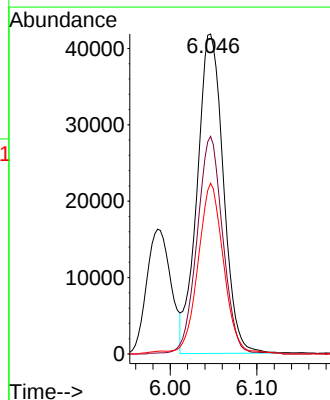
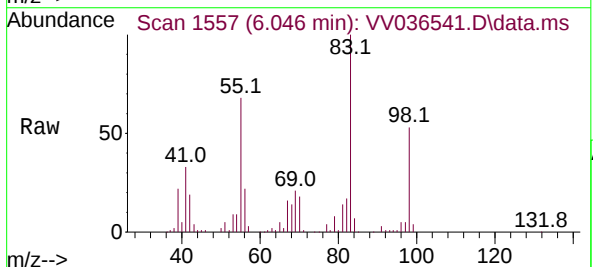
Tgt Ion: 83 Resp: 87802

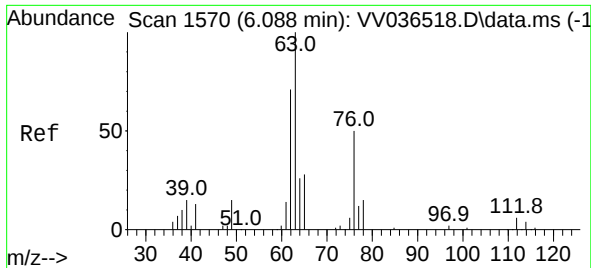
Ion Ratio Lower Upper

83 100

55 65.9 54.3 81.5

98 52.2 41.7 62.5





#37

1,2-Dichloropropane

Concen: 22.053 ug/L

RT: 6.091 min Scan# 1571

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

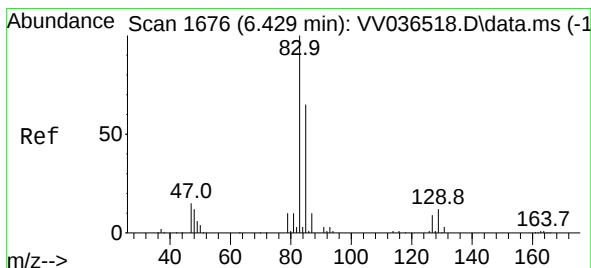
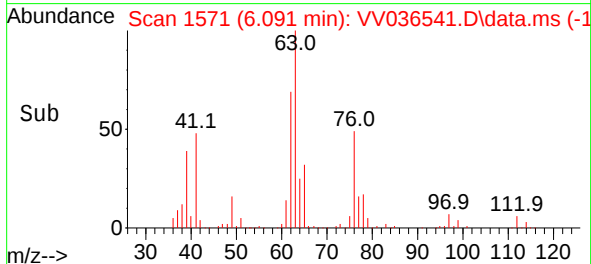
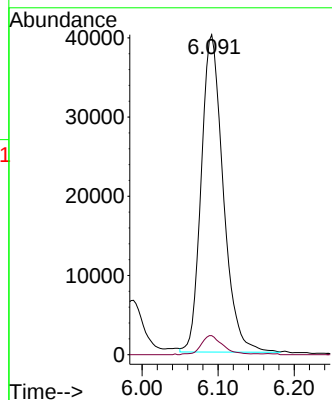
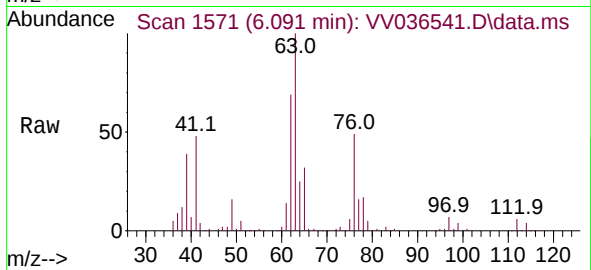
ClientSampleId :

Tgt Ion: 63 Resp: 80631

Ion Ratio Lower Upper

63 100

112 5.9 4.5 6.7



#38

Bromodichloromethane

Concen: 22.037 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

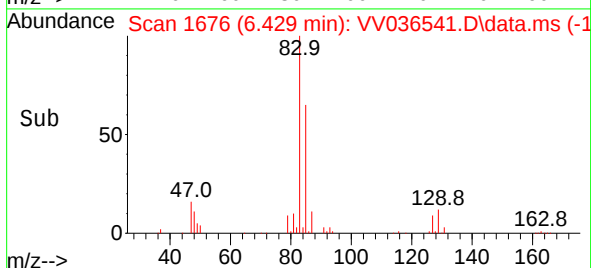
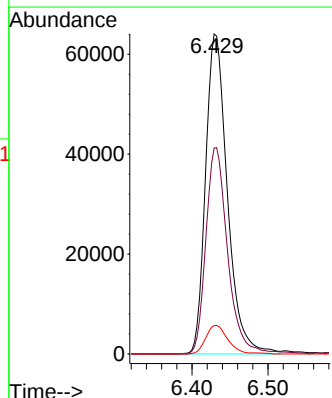
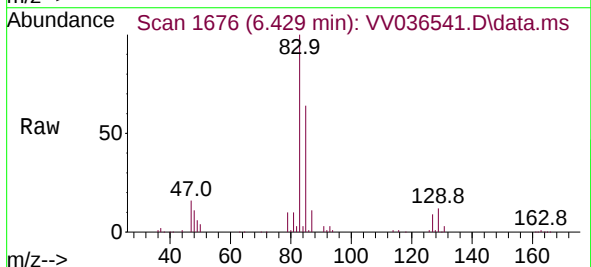
Tgt Ion: 83 Resp: 127668

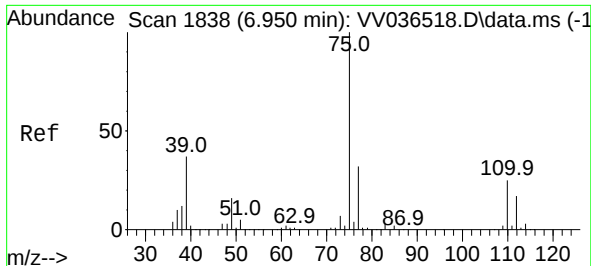
Ion Ratio Lower Upper

83 100

85 64.4 44.3 82.3

127 8.9 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 20.541 ug/L

RT: 6.953 min Scan# 115812

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

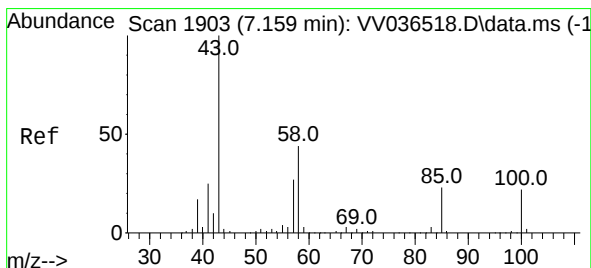
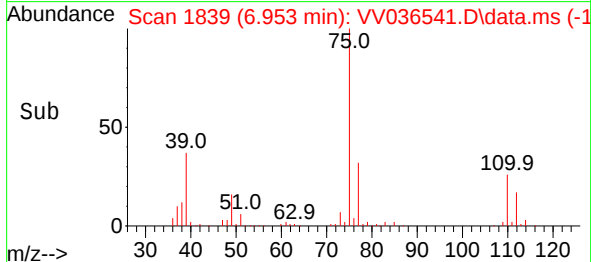
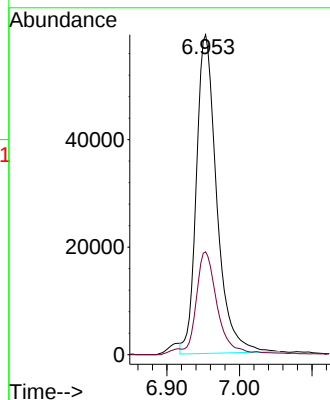
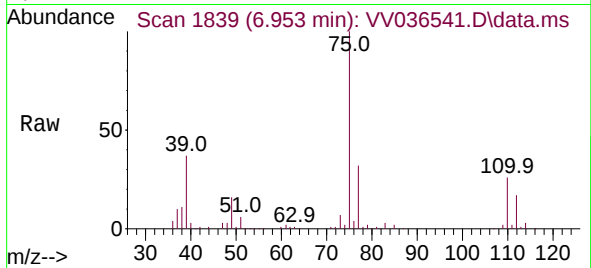
ClientSampleId :

Tgt Ion: 75 Resp: 115812

Ion Ratio Lower Upper

75 100

77 32.2 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 54.553 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

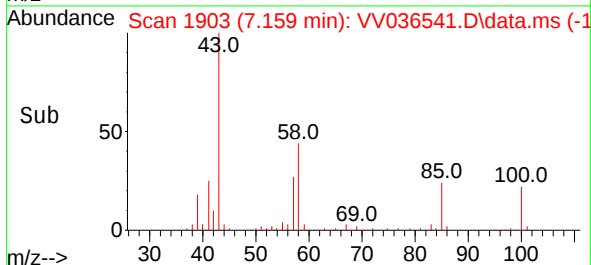
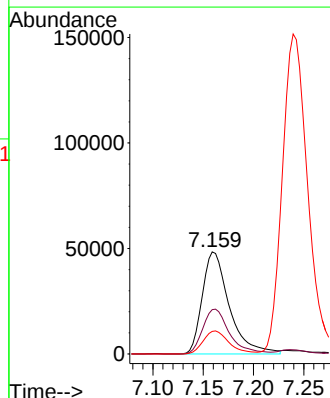
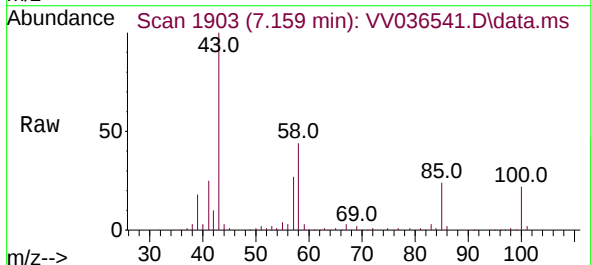
Tgt Ion: 43 Resp: 90643

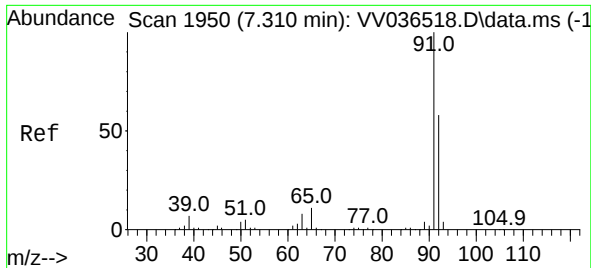
Ion Ratio Lower Upper

43 100

58 43.4 32.9 49.3

100 21.6 15.5 23.3

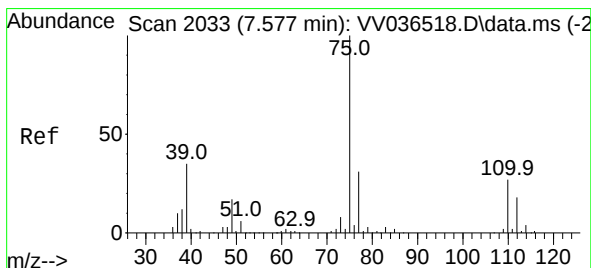
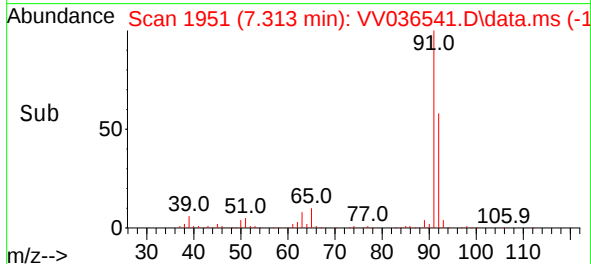
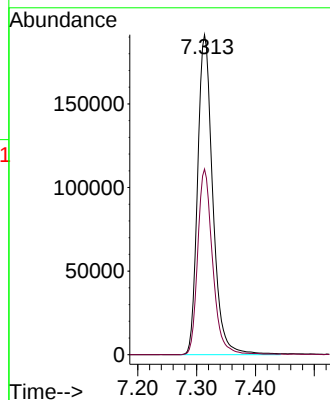
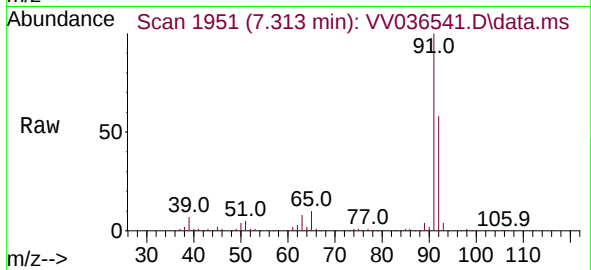




#42
Toluene
Concen: 22.290 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

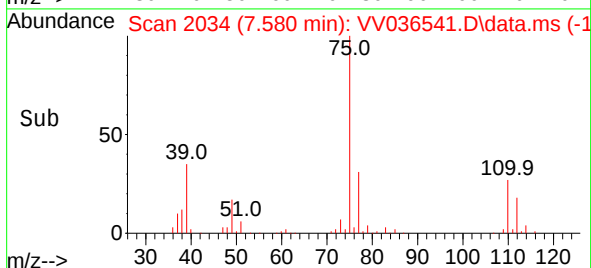
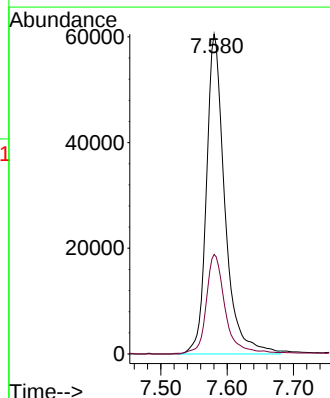
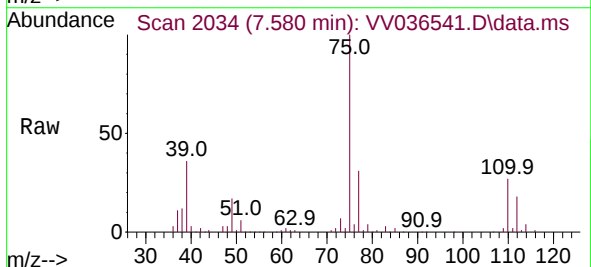
Instrument :
MSVOA_V
ClientSampleId :

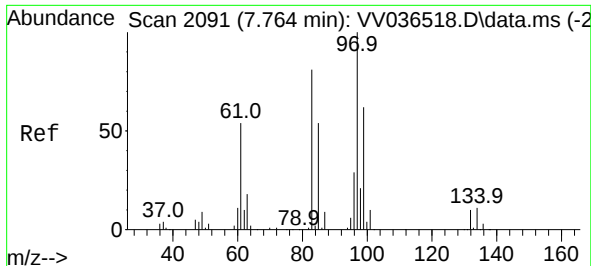
Tgt Ion: 91 Resp: 342189
Ion Ratio Lower Upper
91 100
92 58.0 40.1 74.5



#44
trans-1,3-Dichloropropene
Concen: 23.191 ug/L
RT: 7.580 min Scan# 2034
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion: 75 Resp: 116584
Ion Ratio Lower Upper
75 100
77 31.1 21.9 40.7

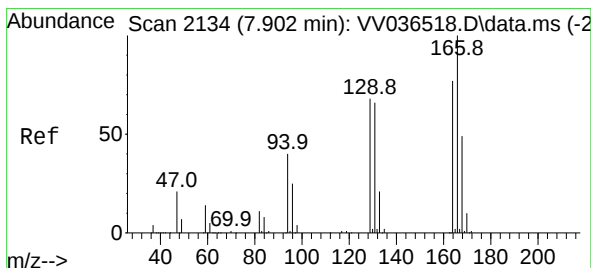
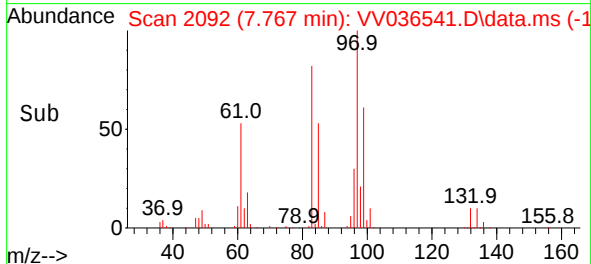
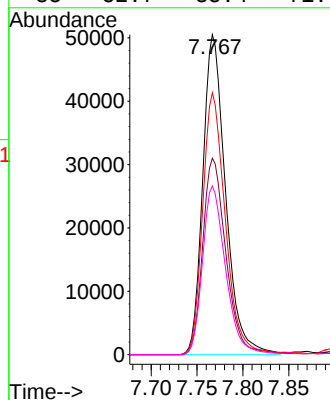
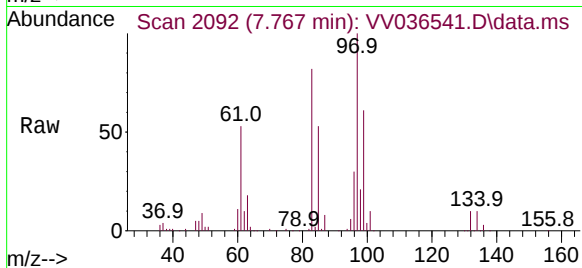




#45
1,1,2-Trichloroethane
Concen: 24.242 ug/L
RT: 7.767 min Scan# 2091
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

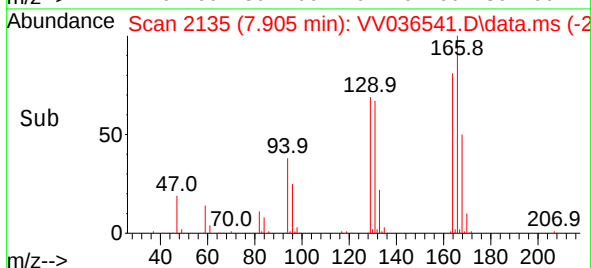
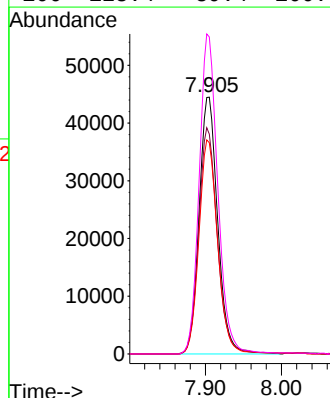
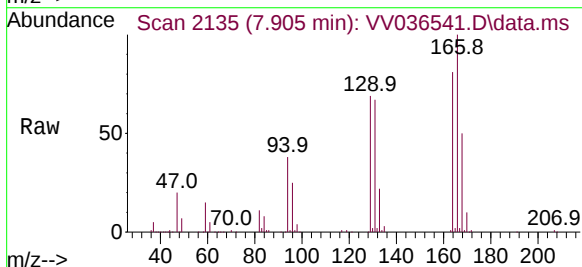
Instrument :
MSVOA_V
ClientSampleId :

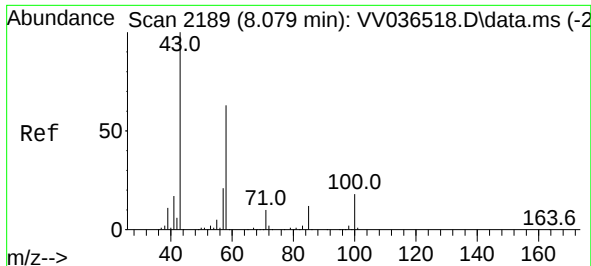
Tgt Ion:	97	Resp:	87343
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.6	79.2
83	81.8	58.0	107.6
85	52.7	38.4	71.4



#46
Tetrachloroethene
Concen: 20.257 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion:	164	Resp:	75510
Ion	Ratio	Lower	Upper
164	100		
129	85.6	61.0	113.4
131	82.2	59.8	111.1
166	123.4	89.4	166.0





#48

2-Hexanone

Concen: 54.793 ug/L

RT: 8.079 min Scan# 2189

Delta R.T. -0.000 min

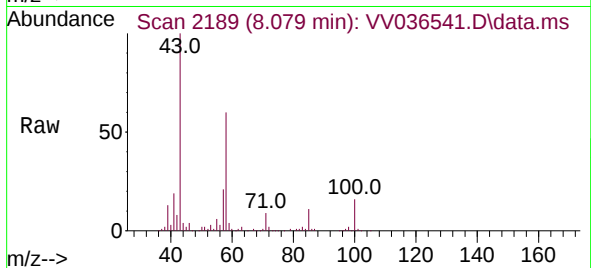
Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 67534

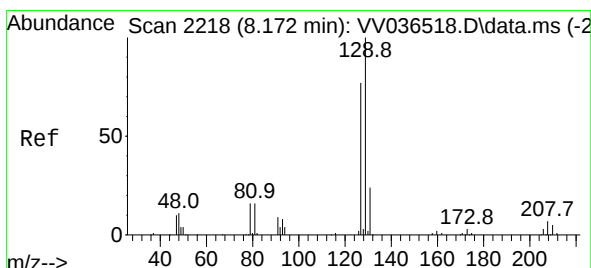
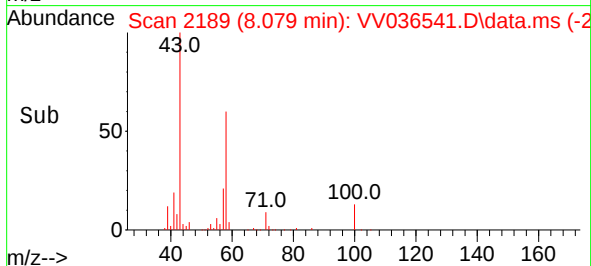
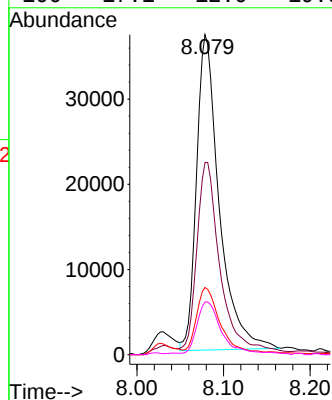
Ion Ratio Lower Upper

43 100

58 58.0 49.5 74.3

57 20.2 15.3 22.9

100 17.1 12.9 19.3



#49

Dibromochloromethane

Concen: 23.935 ug/L

RT: 8.175 min Scan# 2219

Delta R.T. 0.003 min

Lab File: VV036541.D

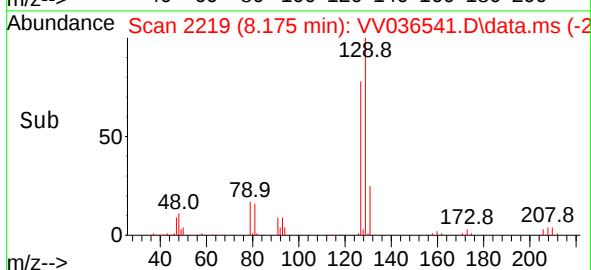
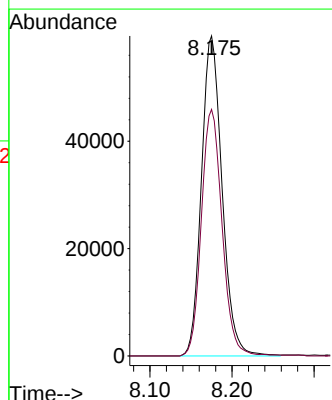
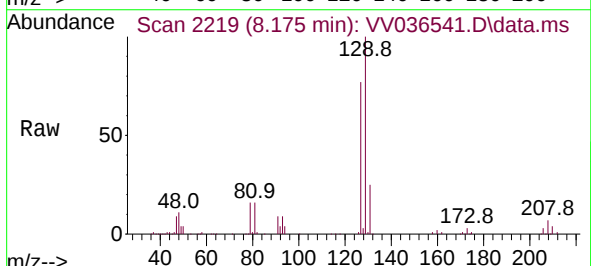
Acq: 15 Jul 2024 20:51

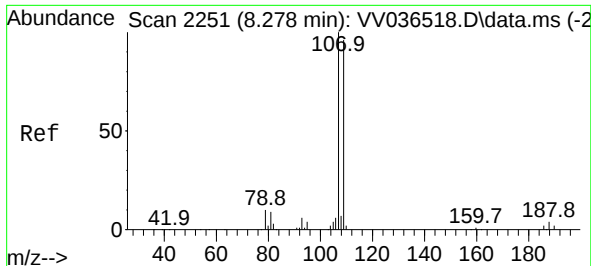
Tgt Ion: 129 Resp: 104281

Ion Ratio Lower Upper

129 100

127 77.1 53.7 99.7

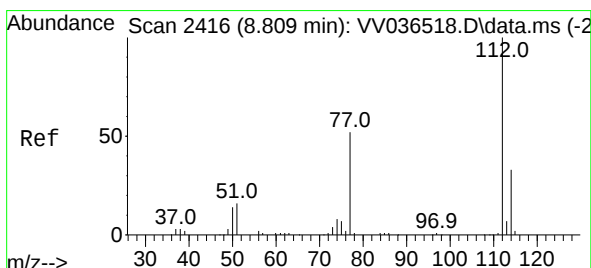
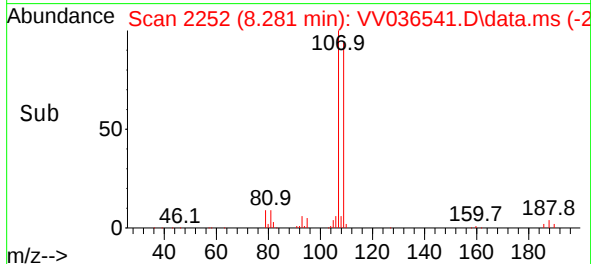
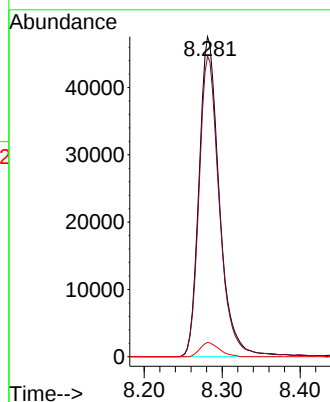
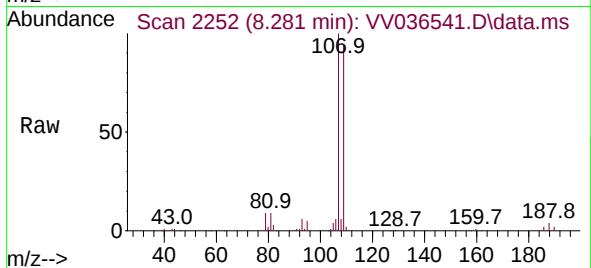




#50
1,2-Dibromoethane
Concen: 25.394 ug/L
RT: 8.281 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

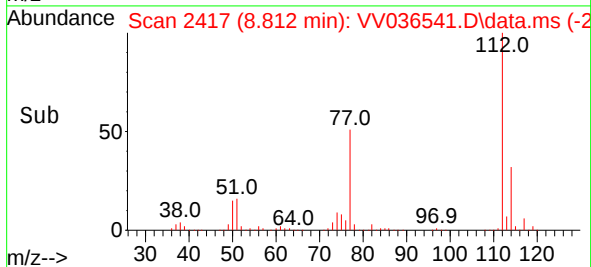
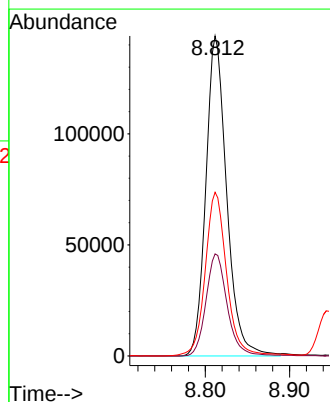
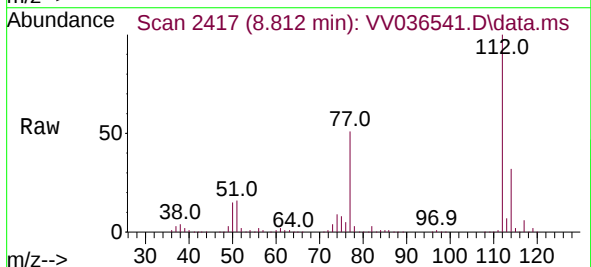
Instrument :
MSVOA_V
ClientSampleId :

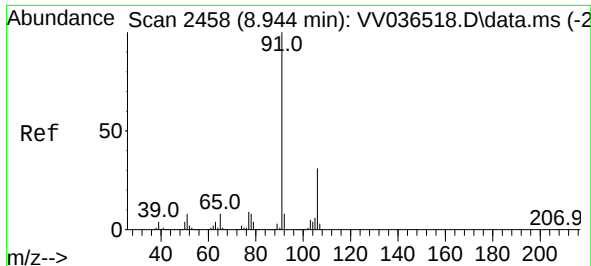
Tgt Ion:107 Resp: 85866
Ion Ratio Lower Upper
107 100
109 94.0 66.2 123.0
188 4.4 3.4 5.0



#51
Chlorobenzene
Concen: 21.565 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion:112 Resp: 247936
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.9
77 51.2 43.0 64.6

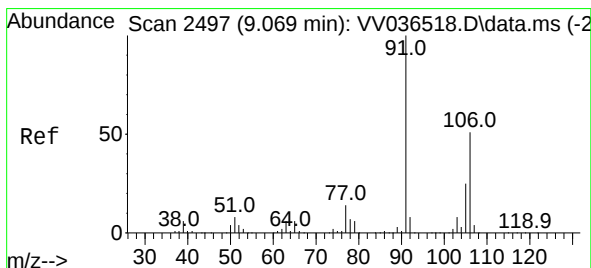
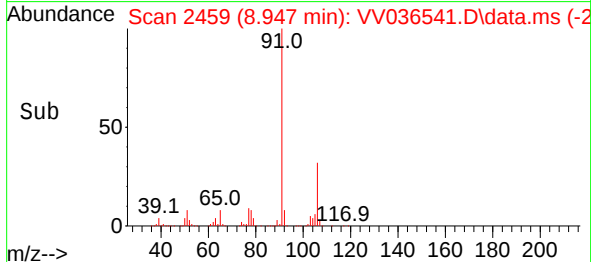
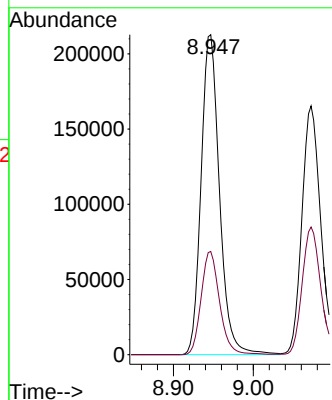
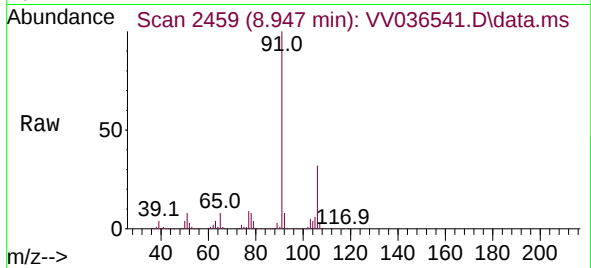




#52
Ethylbenzene
Concen: 20.714 ug/L
RT: 8.947 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

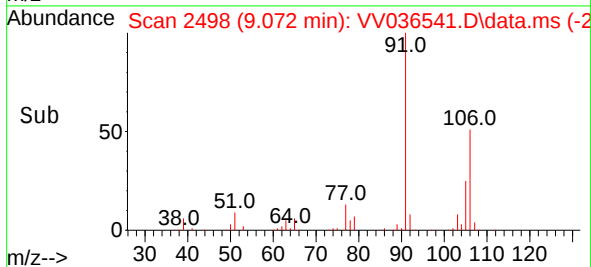
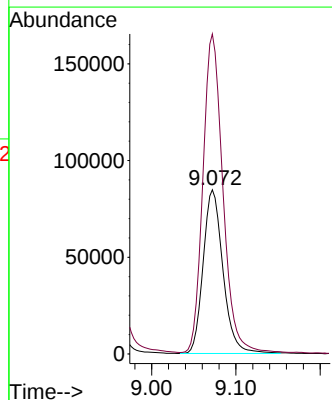
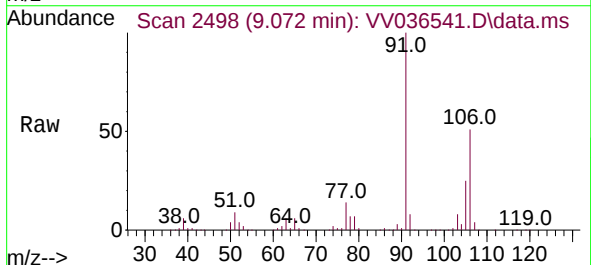
Instrument :
MSVOA_V
ClientSampleId :

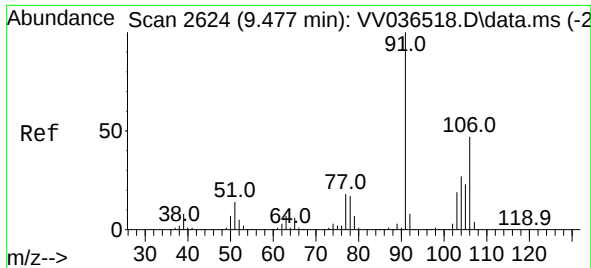
Tgt Ion: 91 Resp: 341107
Ion Ratio Lower Upper
91 100
106 32.2 22.6 42.0



#53
m,p-Xylene
Concen: 21.848 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion:106 Resp: 138518
Ion Ratio Lower Upper
106 100
91 194.8 137.1 254.7

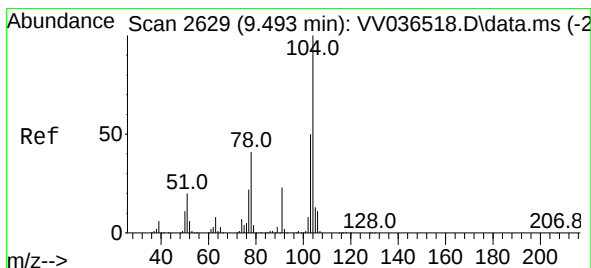
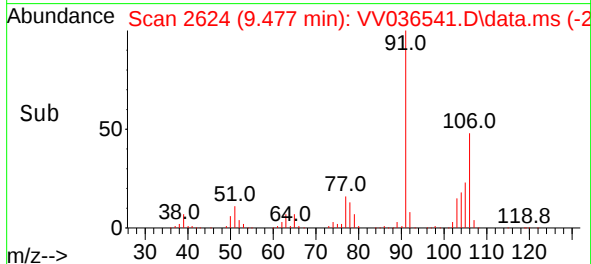
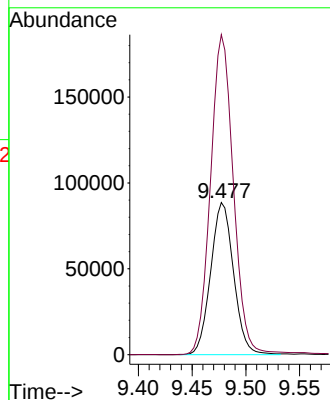
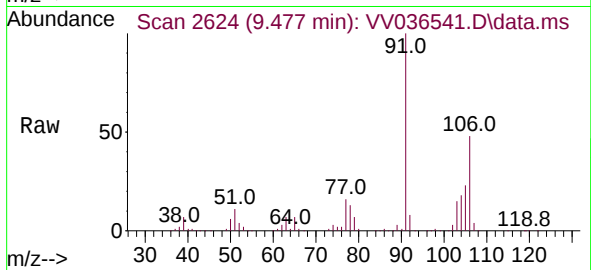




#54
o-Xylene
Concen: 21.773 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

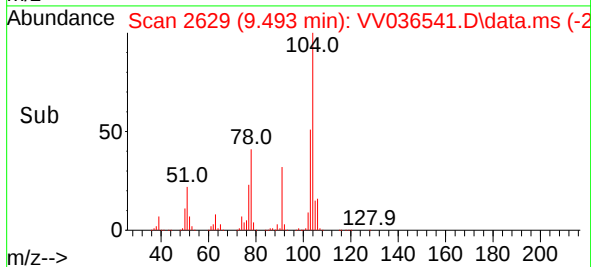
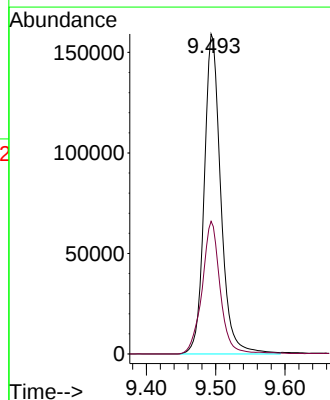
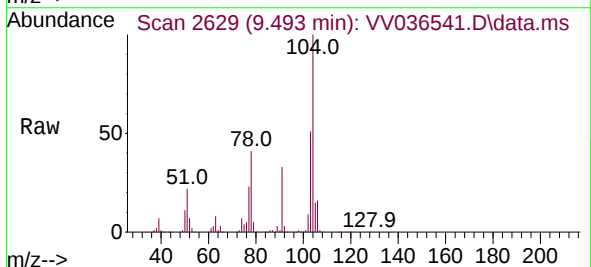
Instrument :
MSVOA_V
ClientSampleId :

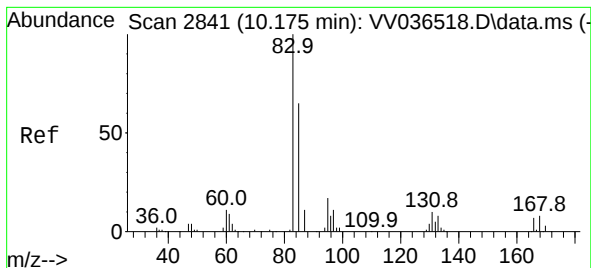
Tgt Ion:106 Resp: 131426
Ion Ratio Lower Upper
106 100
91 210.4 147.3 273.6



#55
Styrene
Concen: 24.509 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion:104 Resp: 264698
Ion Ratio Lower Upper
104 100
78 41.5 28.8 53.6





#57

1,1,2,2-Tetrachloroethane

Concen: 25.206 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV036541.D

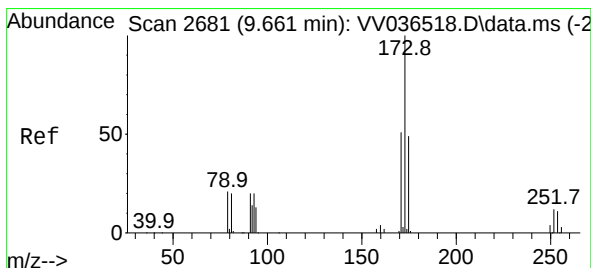
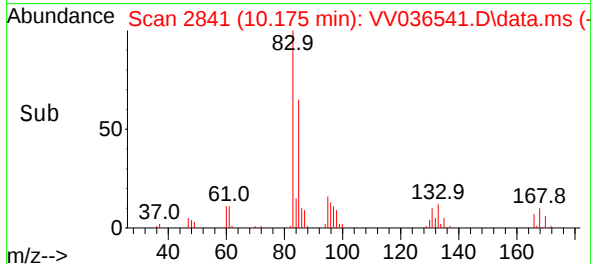
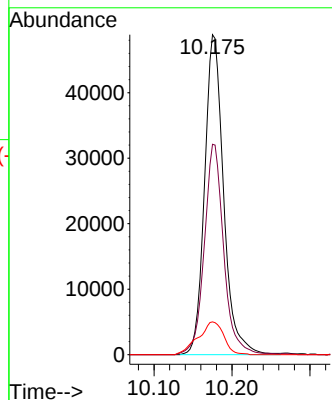
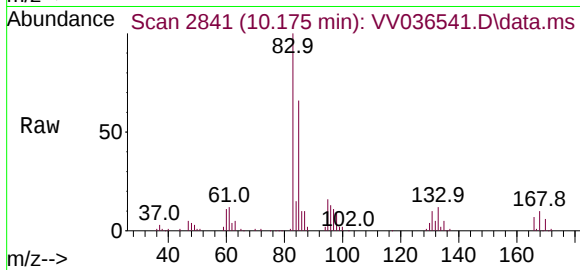
Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	82926
Ion Ratio	Lower	Upper	
83	100		
85	65.7	45.0	83.6
131	10.2	8.1	12.1



#59

Bromoform

Concen: 24.470 ug/L

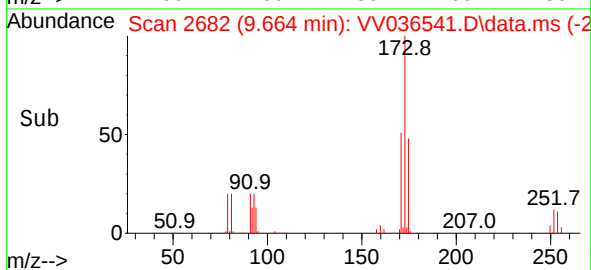
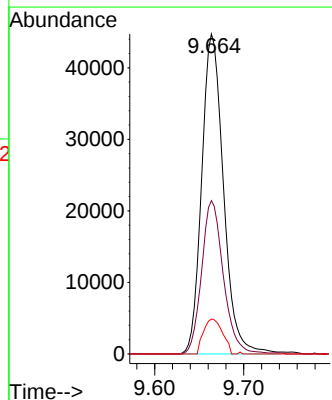
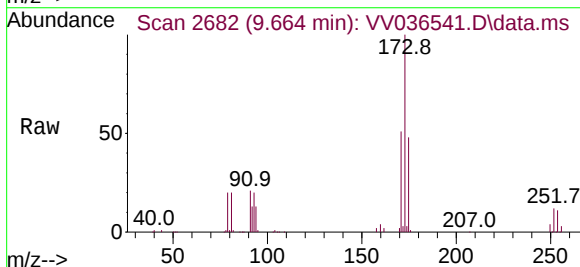
RT: 9.664 min Scan# 2682

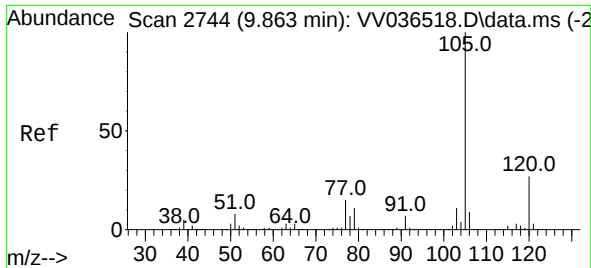
Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Tgt Ion:	173	Resp:	76072
Ion Ratio	Lower	Upper	
173	100		
175	47.8	37.6	56.4
254	9.5	8.2	12.4

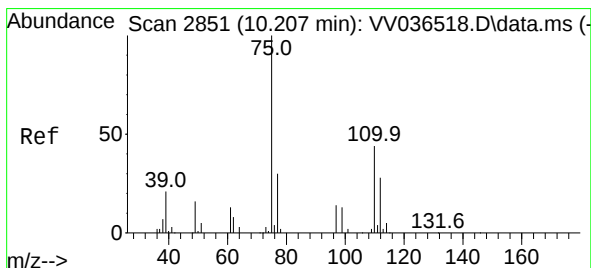
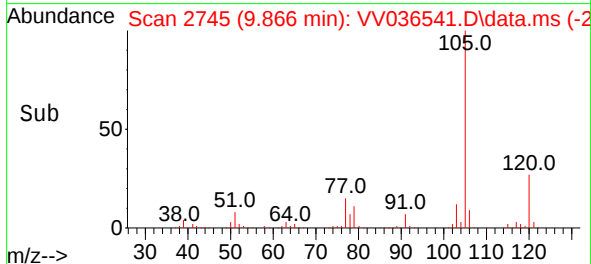
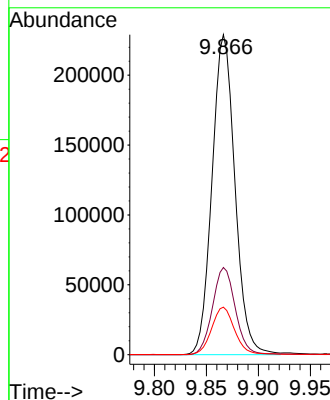
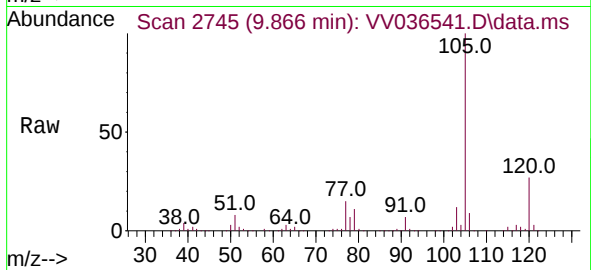




#60
Isopropylbenzene
Concen: 20.045 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

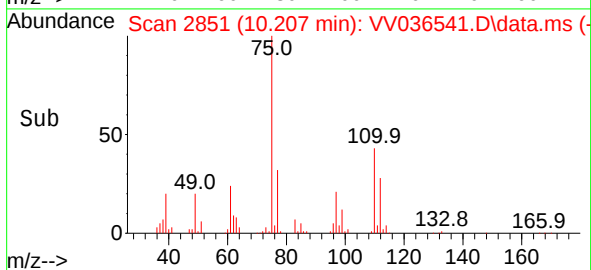
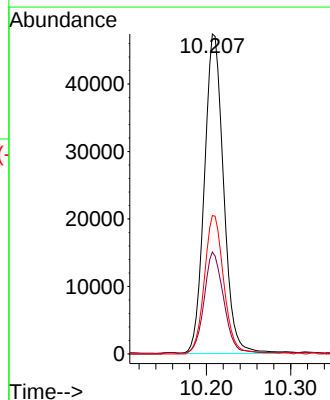
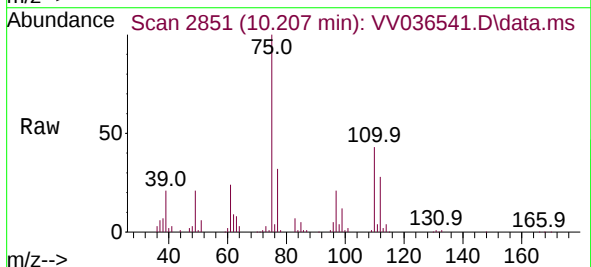
Instrument :
MSVOA_V
ClientSampleId :

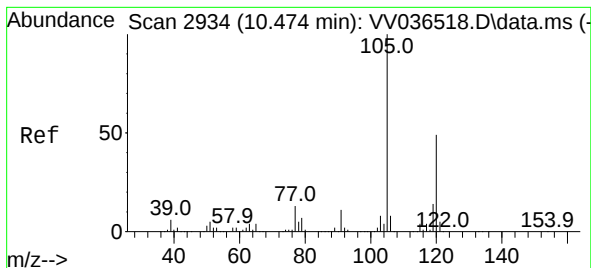
Tgt Ion:105 Resp: 351259
Ion Ratio Lower Upper
105 100
120 27.3 21.8 32.6
77 14.8 12.0 18.0



#61
1,2,3-Trichloropropane
Concen: 24.135 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. -0.000 min
Lab File: VV036541.D
Acq: 15 Jul 2024 20:51

Tgt Ion: 75 Resp: 75321
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4
110 43.9 34.8 52.2





#62

1,3,5-Trimethylbenzene

Concen: 19.695 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min MSVOA_V

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

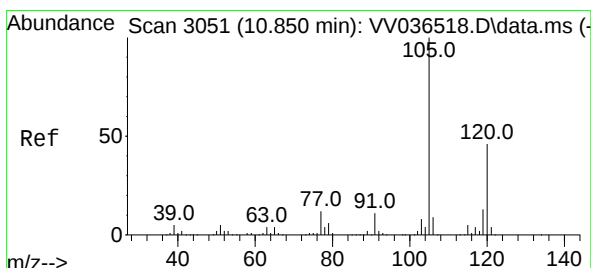
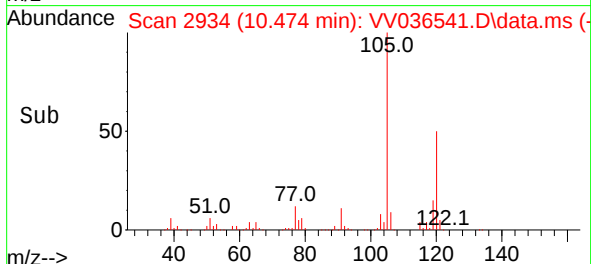
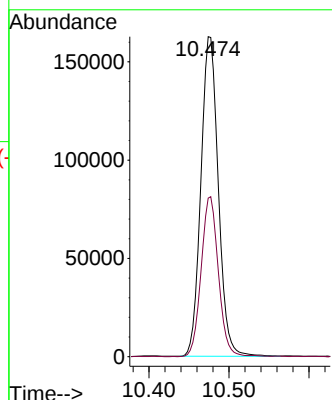
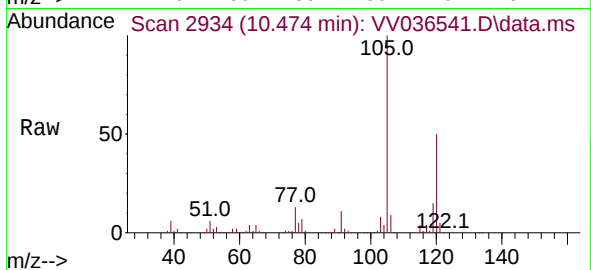
ClientSampleId :

Tgt Ion:105 Resp: 247159

Ion Ratio Lower Upper

105 100

120 49.3 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 20.877 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036541.D

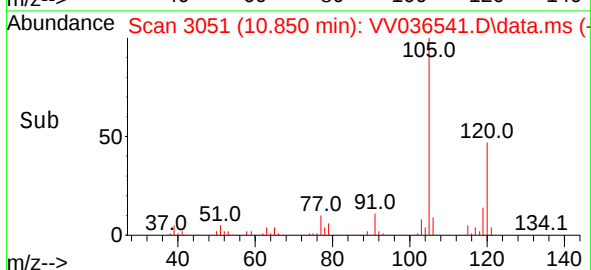
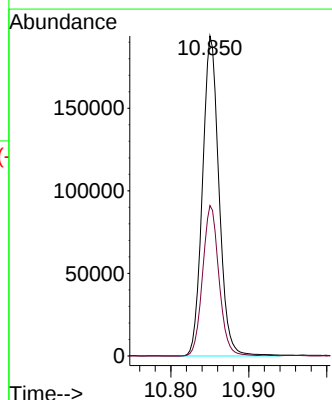
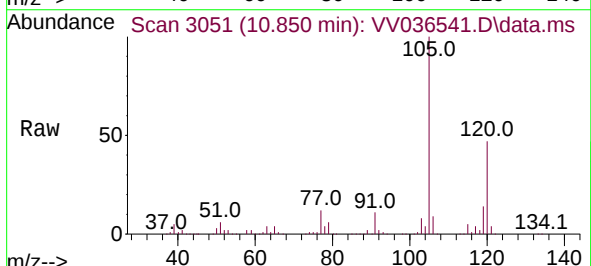
Acq: 15 Jul 2024 20:51

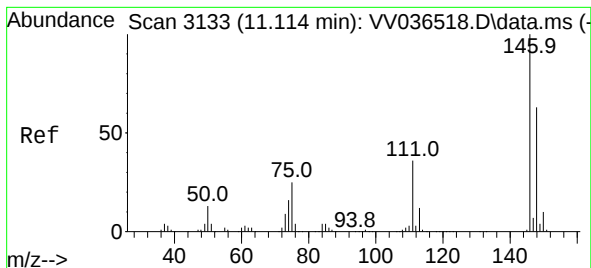
Tgt Ion:105 Resp: 285078

Ion Ratio Lower Upper

105 100

120 46.6 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 21.742 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

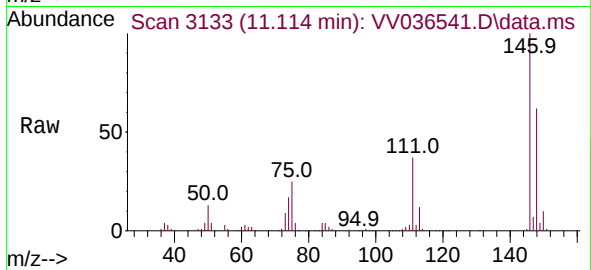
Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :



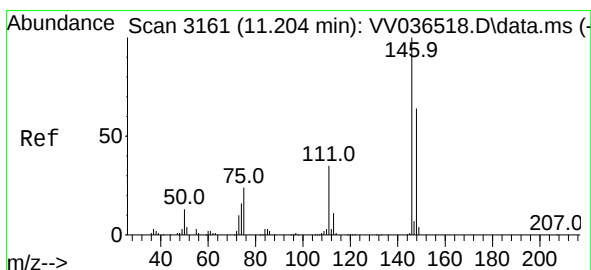
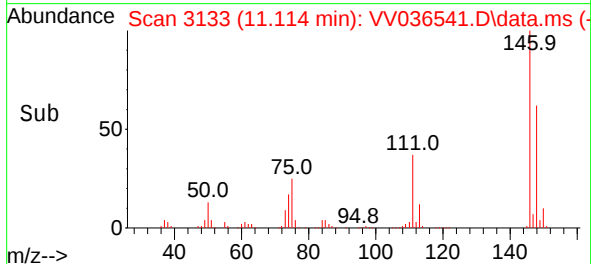
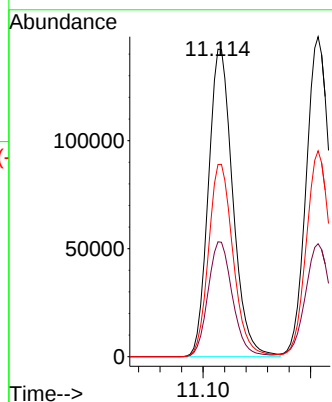
Tgt Ion:146 Resp: 225232

Ion Ratio Lower Upper

146 100

111 37.3 25.8 47.8

148 62.5 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 21.410 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

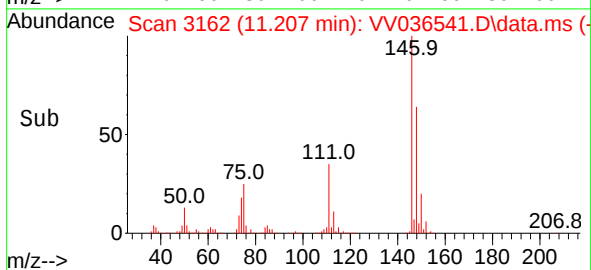
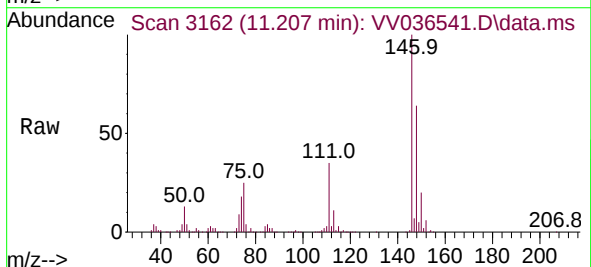
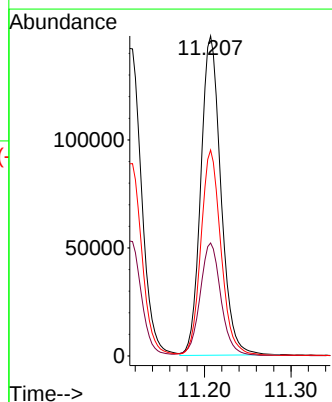
Tgt Ion:146 Resp: 238157

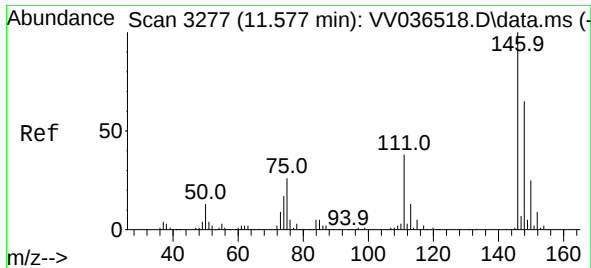
Ion Ratio Lower Upper

146 100

111 35.3 25.2 46.8

148 64.3 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 22.562 ug/L

RT: 11.577 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :

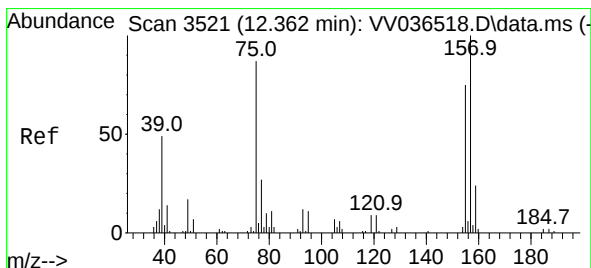
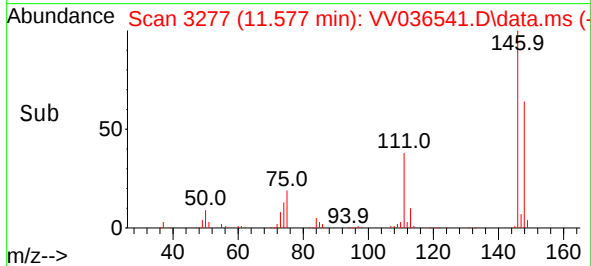
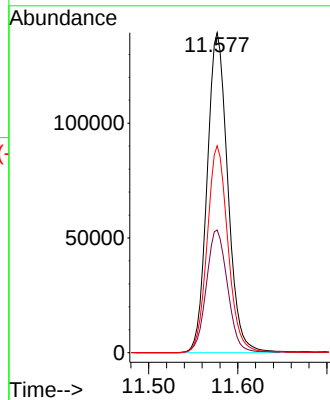
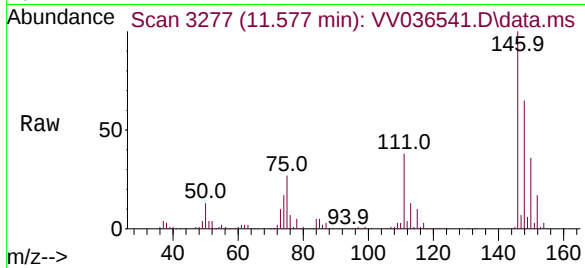
Tgt Ion:146 Resp: 224597

Ion Ratio Lower Upper

146 100

111 38.4 30.8 46.2

148 64.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 27.466 ug/L

RT: 12.365 min Scan# 3522

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

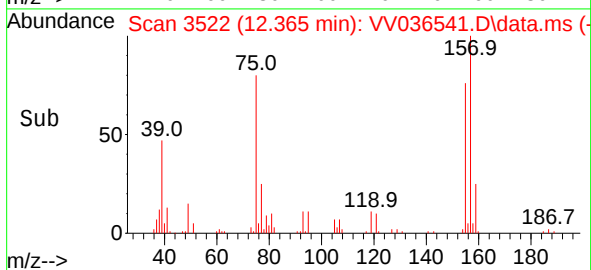
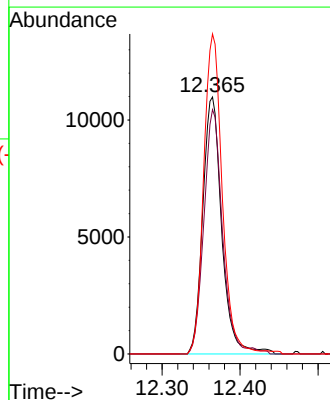
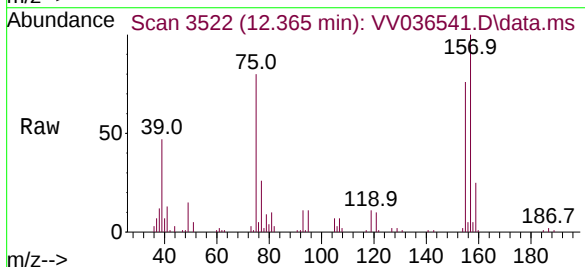
Tgt Ion: 75 Resp: 18546

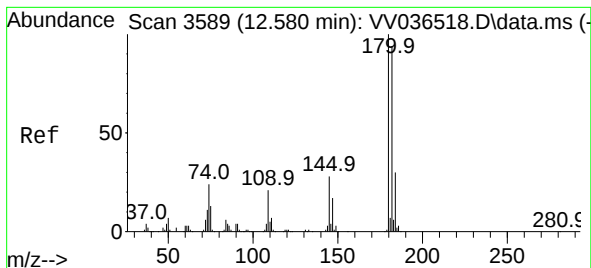
Ion Ratio Lower Upper

75 100

155 95.1 74.6 111.8

157 124.6 95.0 142.4





#69

1,3,5-Trichlorobenzene

Concen: 21.183 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. -0.000 min

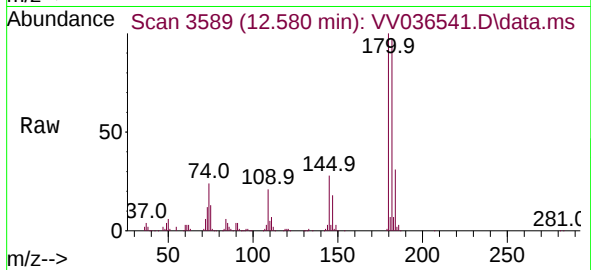
Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 169914

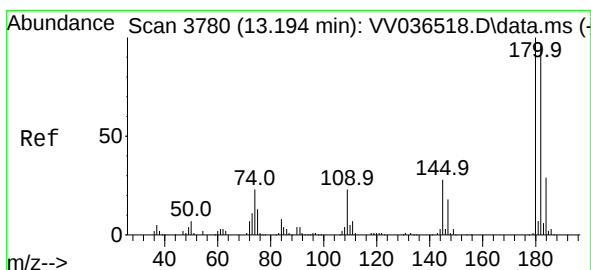
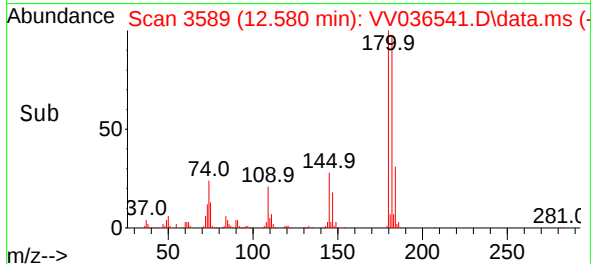
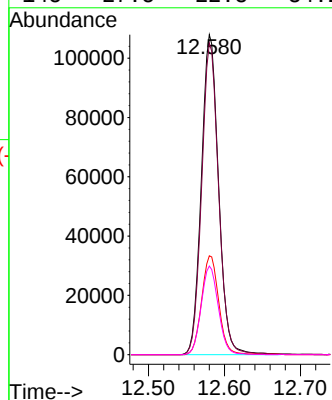
Ion Ratio Lower Upper

180 100

182 95.6 77.4 116.0

184 30.8 24.4 36.6

145 27.5 22.8 34.2



#70

1,2,4-trichlorobenzene

Concen: 21.853 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

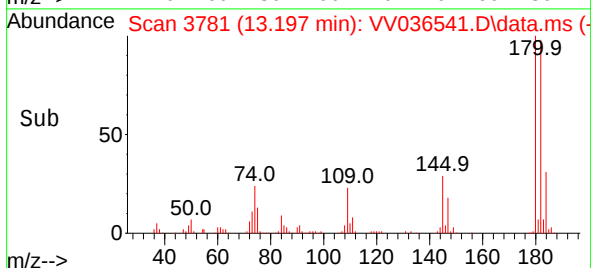
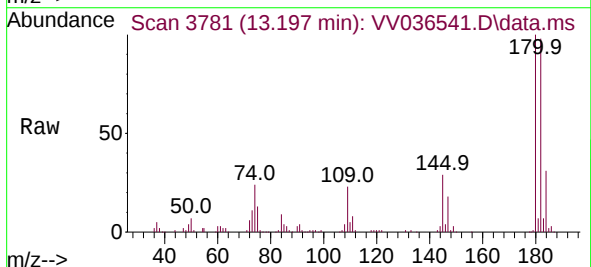
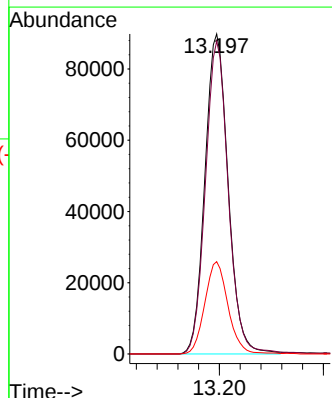
Tgt Ion:180 Resp: 139411

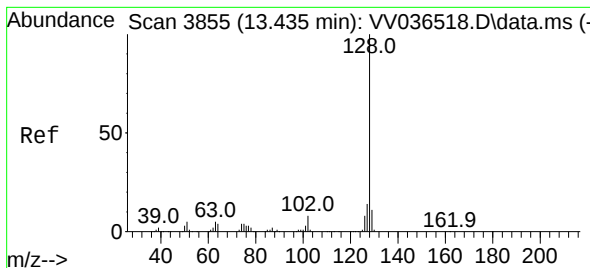
Ion Ratio Lower Upper

180 100

182 96.3 76.7 115.1

145 28.7 23.0 34.6





#71

Naphthalene

Concen: 25.543 ug/L

RT: 13.438 min Scan# 3855

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Instrument :

MSVOA_V

ClientSampleId :

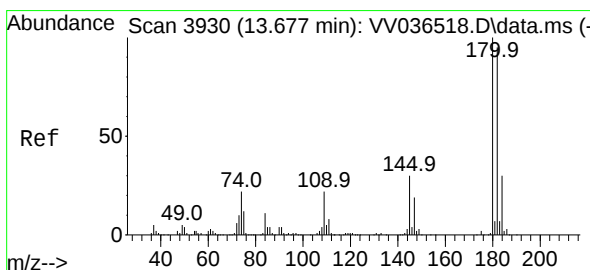
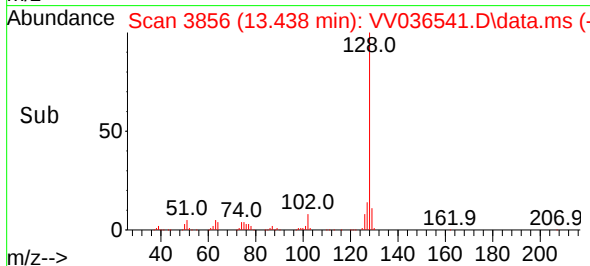
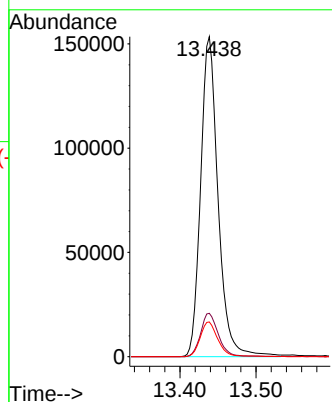
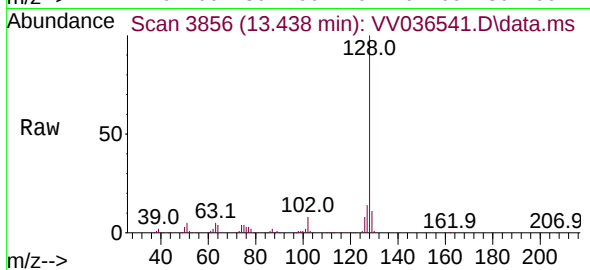
Tgt Ion:128 Resp: 244738

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 24.770 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV036541.D

Acq: 15 Jul 2024 20:51

Tgt Ion:180 Resp: 149503

Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 30.2 24.4 36.6

