

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061824\
 Data File : VW029166.D
 Acq On : 18 Jun 2024 09:06
 Operator : SY/MD
 Sample : VSTD2.5
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 19 00:52:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 19 00:51:34 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	231545	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	213977	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	105321	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.356	65	9040	2.821	ug/L	0.00
7) Chloroethane-d5	2.844	69	174	0.065	ug/L	-0.05
11) 1,1-Dichloroethene-d2	4.015	65	4205	2.717	ug/L	0.00
21) 2-Butanone-d5	7.087	46	4248	4.430	ug/L	0.01
24) Chloroform-d	7.642	84	18090	2.619	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	10087	2.544	ug/L	0.00
32) Benzene-d6	8.270	84	32125	2.472	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	10611	2.568	ug/L	0.00
41) Toluene-d8	10.318	98	26300	2.287	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	3897	2.341	ug/L	0.00
47) 2-Hexanone-d5	10.928	63	2402	3.756	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	8646	2.629	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	9063	2.479	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.021	85	7194	3.037	ug/L	98
3) Chloromethane	2.216	50	9087	2.821	ug/L	98
5) Vinyl chloride	2.375	62	10875	2.940	ug/L	90
6) Bromomethane	2.783	94	6005	2.701	ug/L	100
8) Chloroethane	2.930	64	6153	2.720	ug/L	98
9) Trichlorofluoromethane	3.265	101	6388	2.213	ug/L #	61
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	4531	1.511	ug/L	95
12) 1,1-Dichloroethene	4.039	96	6793	2.532	ug/L	83
13) Acetone	4.124	43	4667	5.727	ug/L	98
14) Carbon disulfide	4.387	76	24418	2.788	ug/L	96
15) Methyl Acetate	4.679	43	3771	2.331	ug/L #	77
16) Methylene chloride	4.923	84	14634	3.594	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	7462	2.504	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	10320	2.166	ug/L	95
19) 1,1-Dichloroethane	6.209	63	16651	2.588	ug/L	95
20) cis-1,2-Dichloroethene	7.167	96	8034	2.445	ug/L	95
22) 2-Butanone	7.173	43	4986	4.475	ug/L	94
23) Bromochloromethane	7.514	128	3828	2.617	ug/L	98
25) Chloroform	7.673	83	15891	2.529	ug/L	92
27) 1,2-Dichloroethane	8.398	62	12115	2.614	ug/L	98
29) Cyclohexane	7.953	56	10706	2.189	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	12162	2.556	ug/L	98
31) Carbon tetrachloride	8.063	117	11217	2.581	ug/L	94
33) Benzene	8.319	78	31309	2.435	ug/L	100
34) Trichloroethene	9.087	95	8881	2.589	ug/L	91
35) Methylcyclohexane	9.337	83	12517	2.320	ug/L	98
37) 1,2-Dichloropropane	9.276	63	973	0.269	ug/L	98
38) Bromodichloromethane	9.642	83	11410	2.583	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	10879	2.130	ug/L	93
40) 4-Methyl-2-pentanone	10.209	43	9693	4.329	ug/L	96
42) Toluene	10.386	91	30146	2.281	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	9264	2.148	ug/L	97

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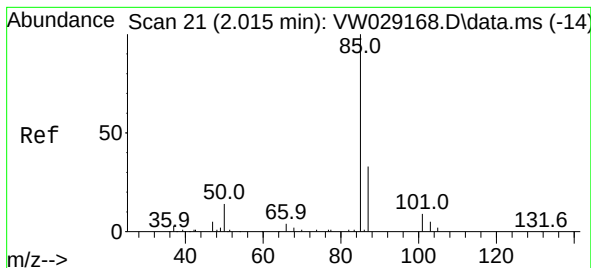
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 19 00:52:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jun 19 00:51:34 2024
 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	10.782	97	6515	2.589	ug/L	98
46) Tetrachloroethene	10.861	164	6307	2.630	ug/L	84
48) 2-Hexanone	10.971	43	6628	4.172	ug/L	96
49) Dibromochloromethane	11.129	129	6148	2.337	ug/L	89
50) 1,2-Dibromoethane	11.233	107	5409	2.395	ug/L #	95
51) Chlorobenzene	11.654	112	21226	2.473	ug/L	96
52) Ethylbenzene	11.727	91	33118	2.207	ug/L	95
53) m,p-Xylene	11.836	106	12037	2.196	ug/L	90
54) o-Xylene	12.166	106	10486	2.047	ug/L	96
55) Styrene	12.178	104	18455	2.067	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.714	83	7754	2.491	ug/L	99
59) Bromoform	12.342	173	3510	2.432	ug/L	98
60) Isopropylbenzene	12.458	105	29137	2.076	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	5973	2.600	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	18995	1.869	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	20989	1.919	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	14365	2.365	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	16278	2.519	ug/L	85
67) 1,2-Dichlorobenzene	13.867	146	13305	2.370	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.476	75	1468	2.738	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.623	180	9900	2.415	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	7374	2.219	ug/L	97
71) Naphthalene	15.360	128	11872	1.810	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.549	180	6544	2.162	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 3.037 ug/L

RT: 2.021 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

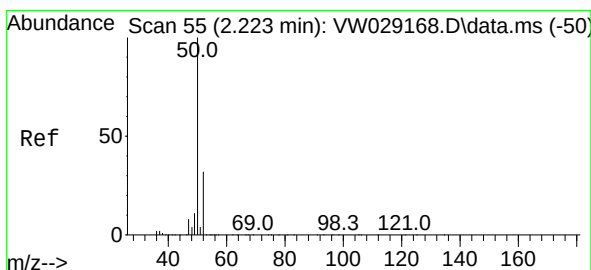
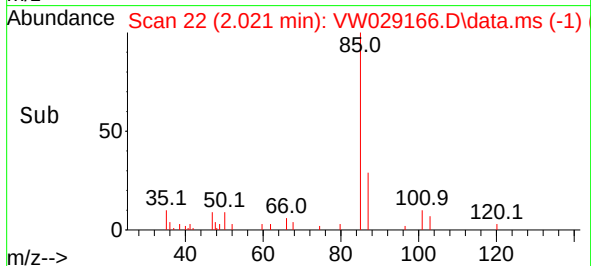
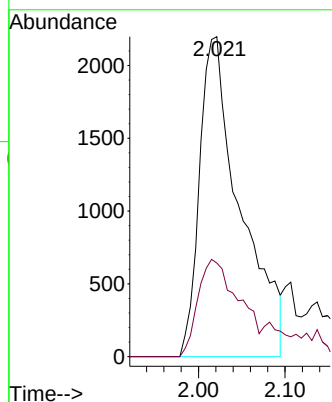
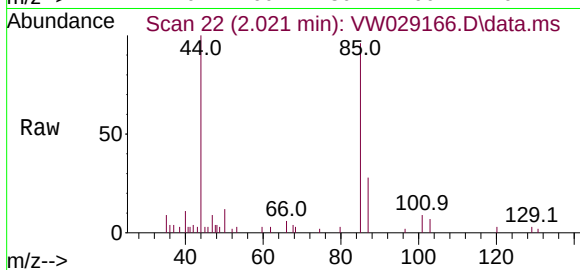
ClientSampleId :

Tgt Ion: 85 Resp: 7194

Ion Ratio Lower Upper

85 100

87 30.7 23.8 35.6



#3

Chloromethane

Concen: 2.821 ug/L

RT: 2.216 min Scan# 54

Delta R.T. -0.006 min

Lab File: VW029166.D

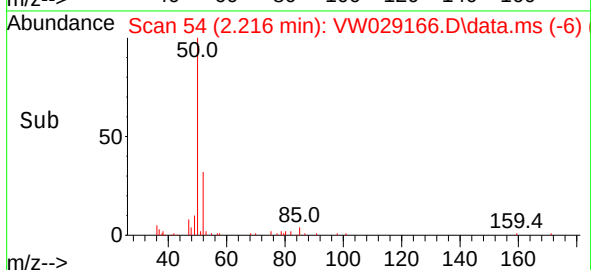
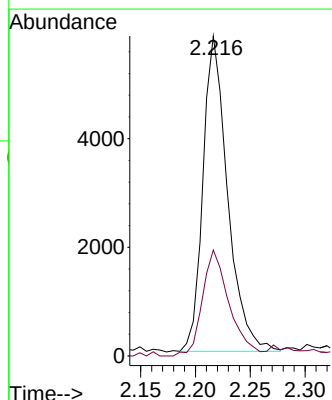
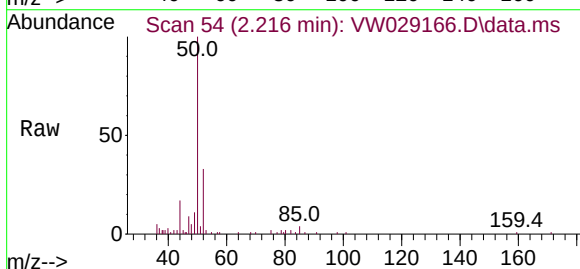
Acq: 18 Jun 2024 09:06

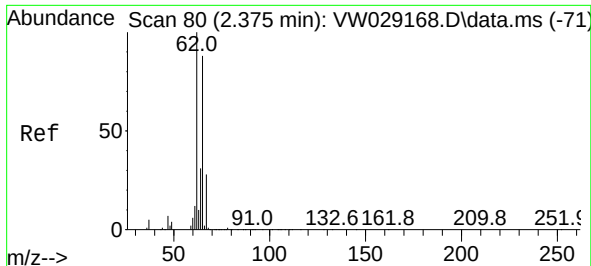
Tgt Ion: 50 Resp: 9087

Ion Ratio Lower Upper

50 100

52 33.1 22.3 41.5

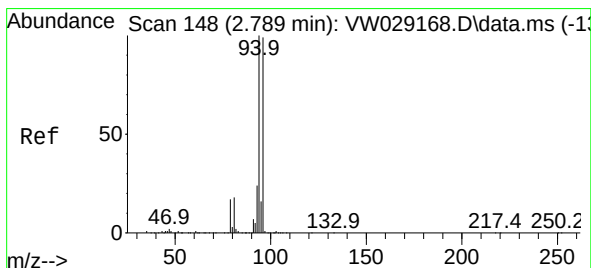
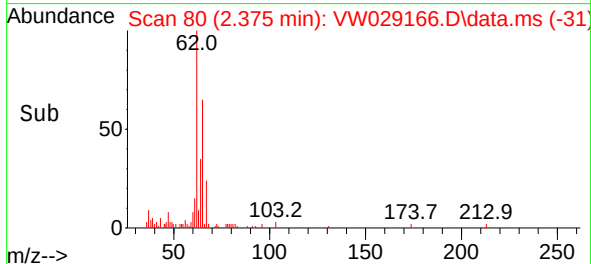
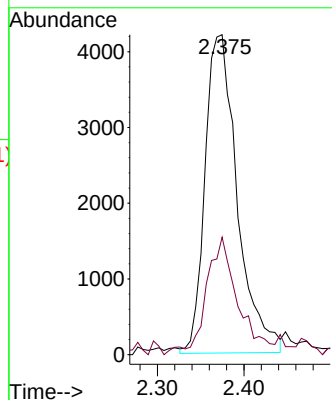
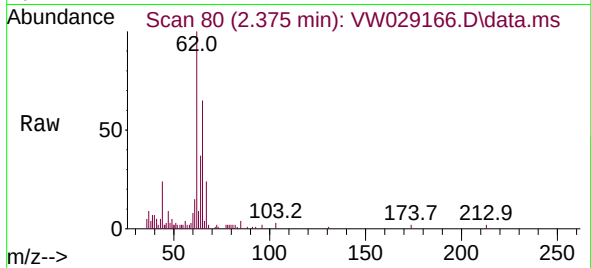




#5
 Vinyl chloride
 Concen: 2.940 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW029166.D
 Acq: 18 Jun 2024 09:06

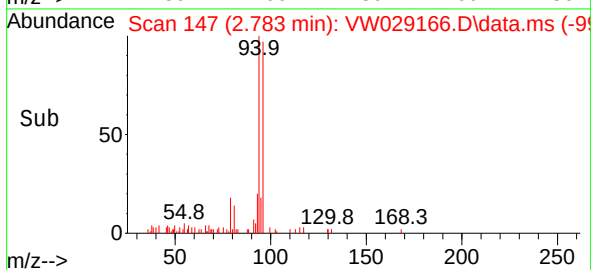
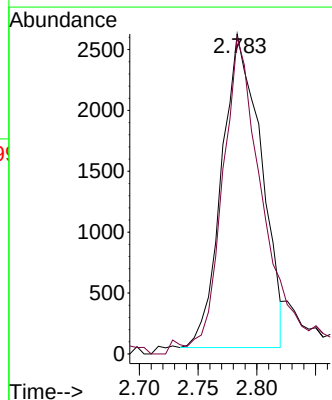
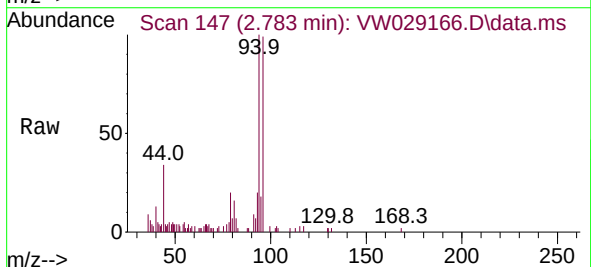
Instrument :
 MSVOA_W
 ClientSampleId :

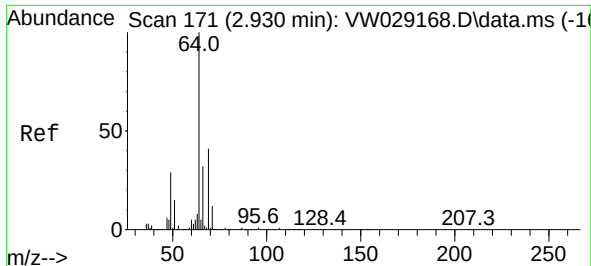
Tgt Ion: 62 Resp: 10875
 Ion Ratio Lower Upper
 62 100
 64 36.7 22.0 40.8



#6
 Bromomethane
 Concen: 2.701 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW029166.D
 Acq: 18 Jun 2024 09:06

Tgt Ion: 94 Resp: 6005
 Ion Ratio Lower Upper
 94 100
 96 99.0 69.5 129.1

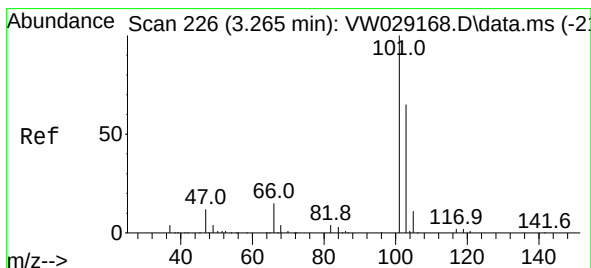
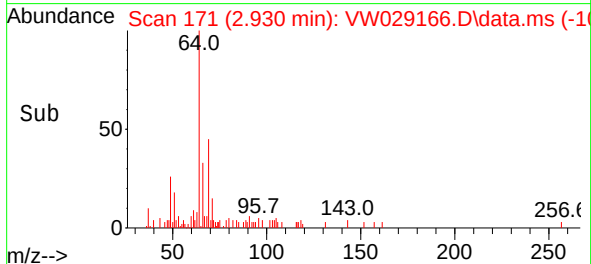
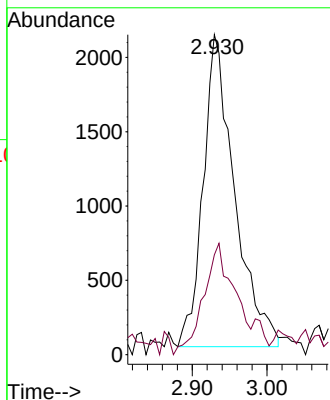
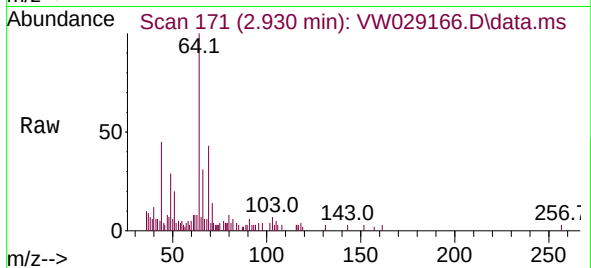




#8
Chloroethane
Concen: 2.720 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

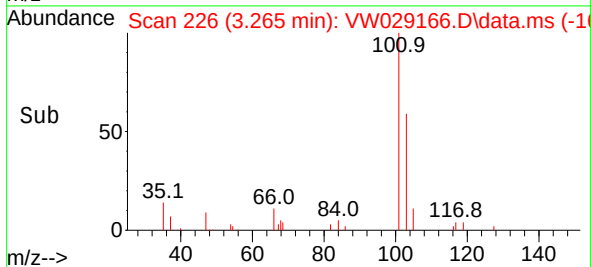
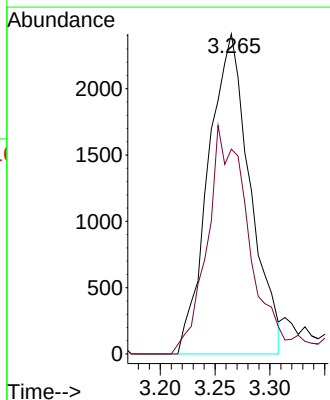
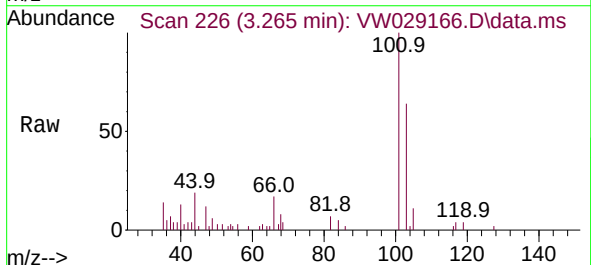
Instrument :
MSVOA_W
ClientSampleId :

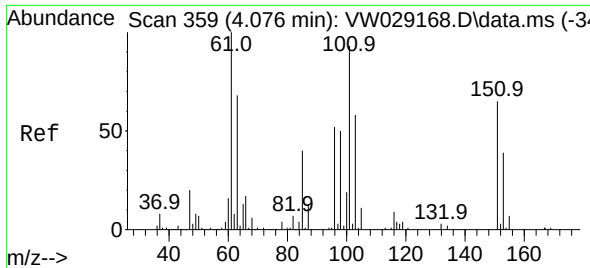
Tgt Ion: 64 Resp: 6153
Ion Ratio Lower Upper
64 100
66 31.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.213 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

Tgt Ion:101 Resp: 6388
Ion Ratio Lower Upper
101 100
103 33.3 50.8 76.2#





#10

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

Concen: 1.511 ug/L

RT: 4.064 min Scan# 3

Delta R.T. -0.012 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :

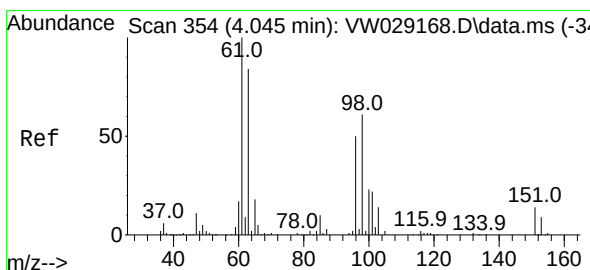
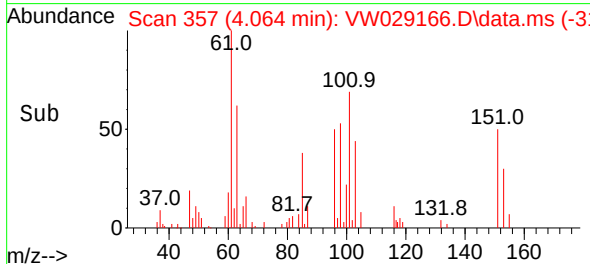
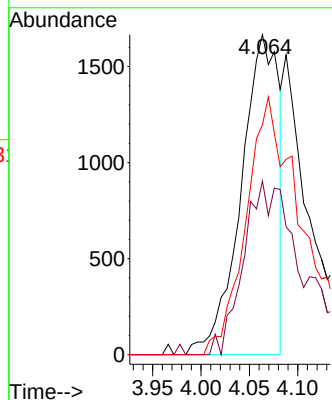
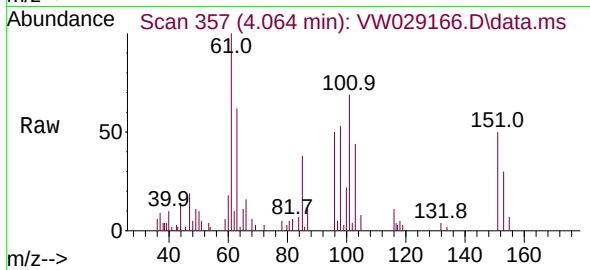
Tgt Ion:101 Resp: 4531

Ion Ratio Lower Upper

101 100

85 36.4 30.2 45.2

151 59.9 52.2 78.4



#12

1,1-Dichloroethene

Concen: 2.532 ug/L

RT: 4.039 min Scan# 353

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

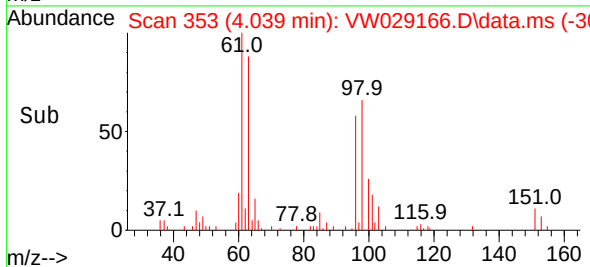
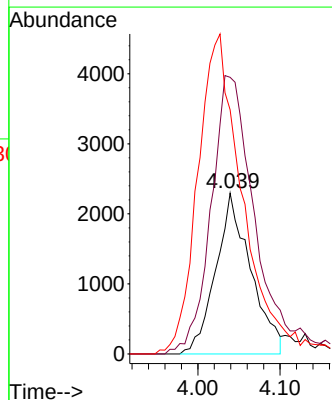
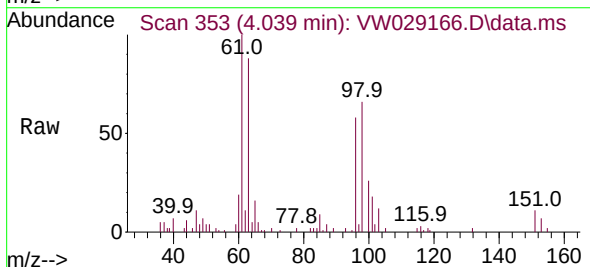
Tgt Ion: 96 Resp: 6793

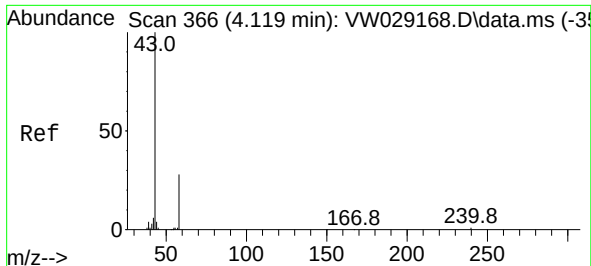
Ion Ratio Lower Upper

96 100

61 172.0 140.1 260.3

63 151.8 122.0 226.6





#13

Acetone

Concen: 5.727 ug/L

RT: 4.124 min Scan# 367

Delta R.T. 0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

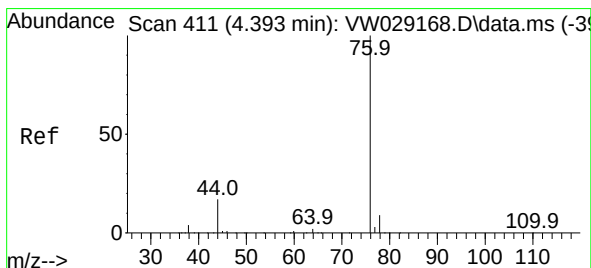
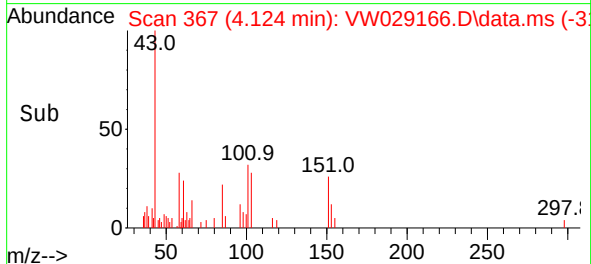
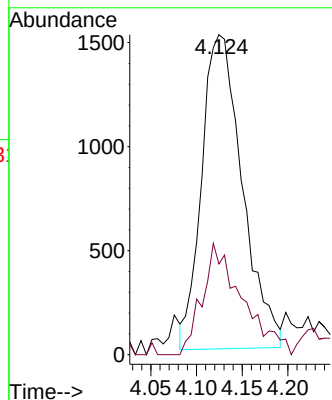
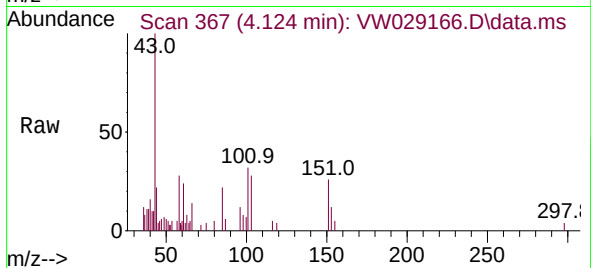
ClientSampleId :

Tgt Ion: 43 Resp: 4667

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.4



#14

Carbon disulfide

Concen: 2.788 ug/L

RT: 4.387 min Scan# 410

Delta R.T. -0.006 min

Lab File: VW029166.D

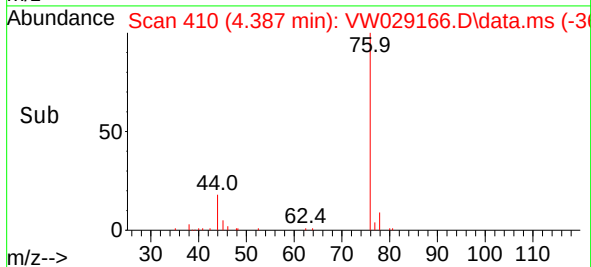
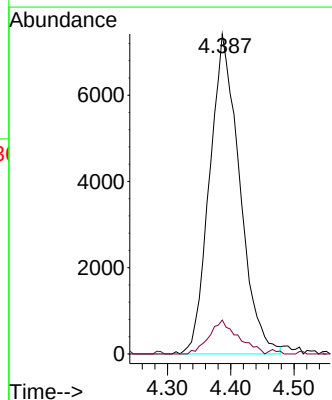
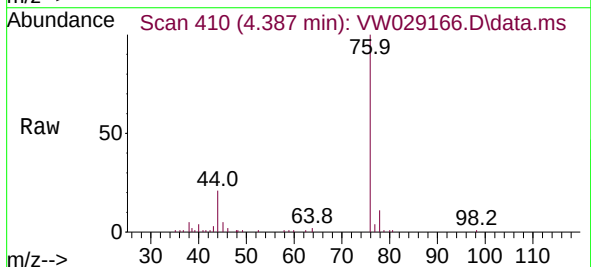
Acq: 18 Jun 2024 09:06

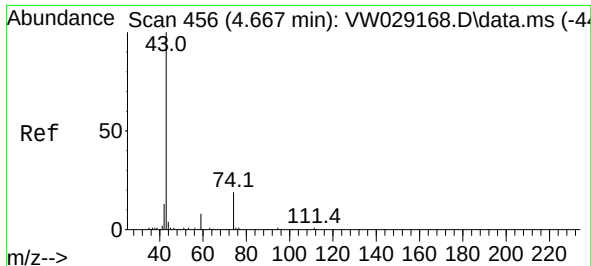
Tgt Ion: 76 Resp: 24418

Ion Ratio Lower Upper

76 100

78 10.6 7.2 10.8





#15

Methyl Acetate

Concen: 2.331 ug/L

RT: 4.679 min Scan# 456

Delta R.T. 0.012 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

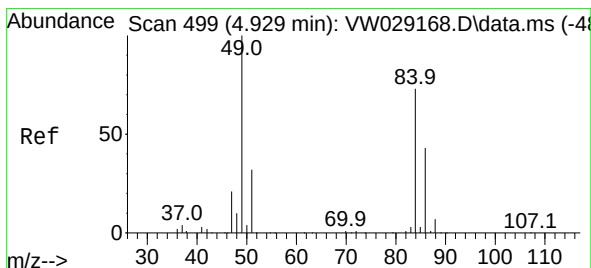
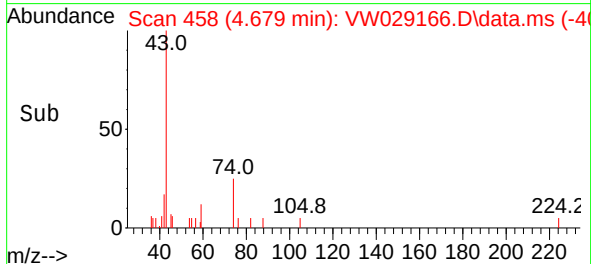
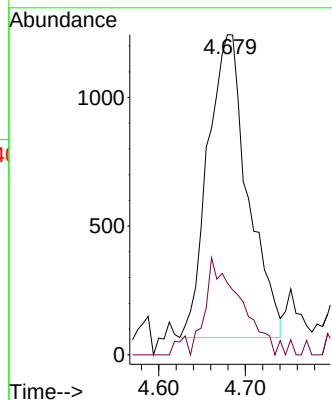
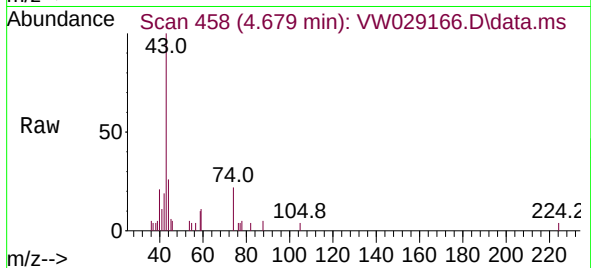
ClientSampleId :

Tgt Ion: 43 Resp: 3771

Ion Ratio Lower Upper

43 100

74 10.2 16.6 25.0#



#16

Methylene chloride

Concen: 3.594 ug/L

RT: 4.923 min Scan# 498

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

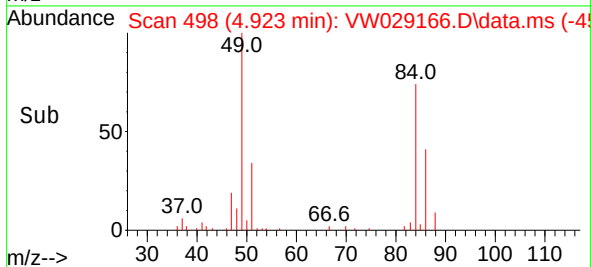
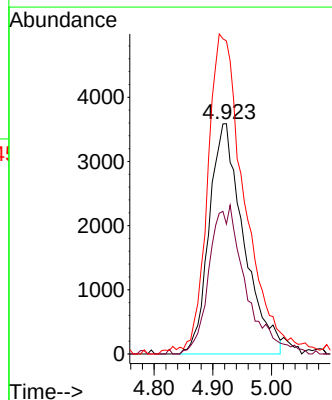
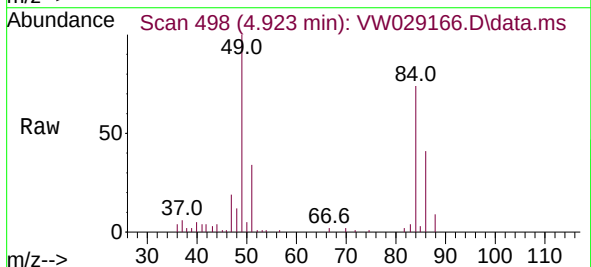
Tgt Ion: 84 Resp: 14634

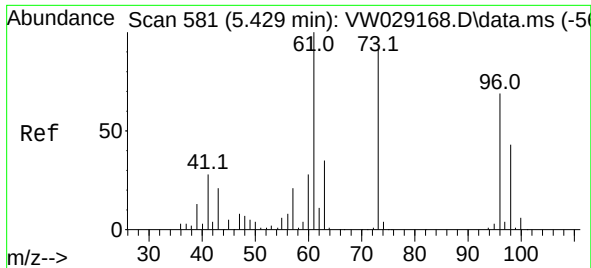
Ion Ratio Lower Upper

84 100

86 56.4 41.4 77.0

49 136.0 95.7 177.7





#17

trans-1,2-Dichloroethene

Concen: 2.504 ug/L

RT: 5.423 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :

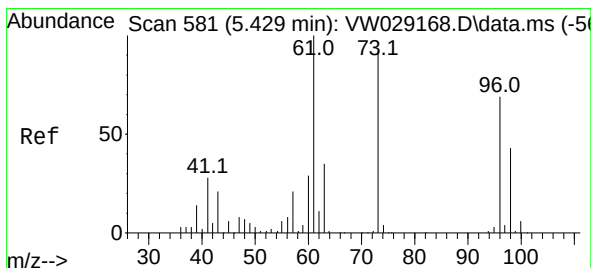
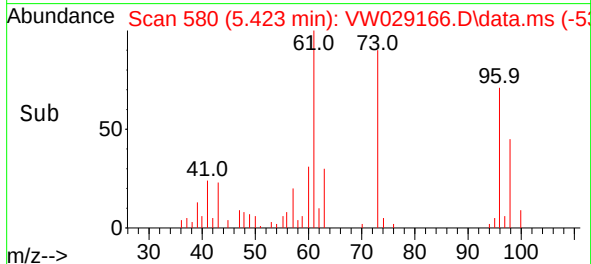
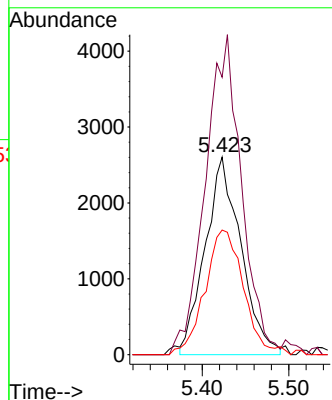
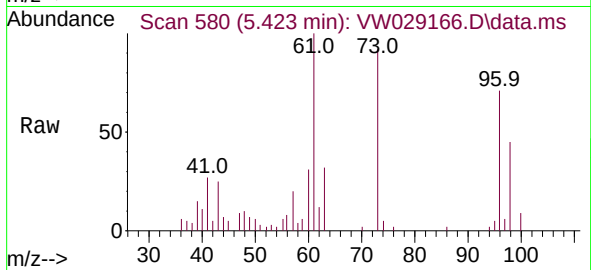
Tgt Ion: 96 Resp: 7462

Ion Ratio Lower Upper

96 100

61 140.3 101.5 188.5

98 63.1 43.3 80.3



#18

Methyl tert-butyl Ether

Concen: 2.166 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

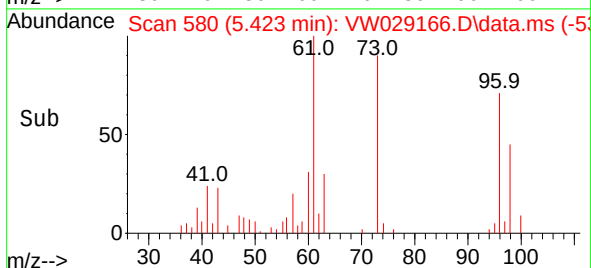
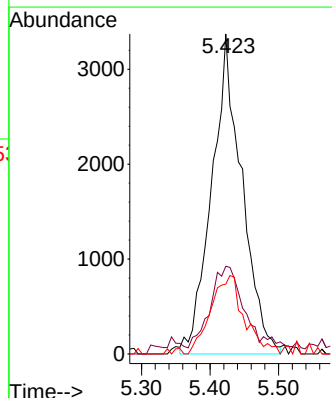
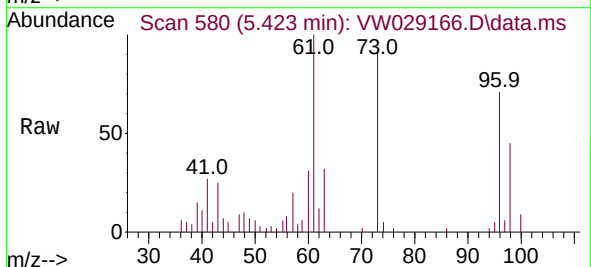
Tgt Ion: 73 Resp: 10320

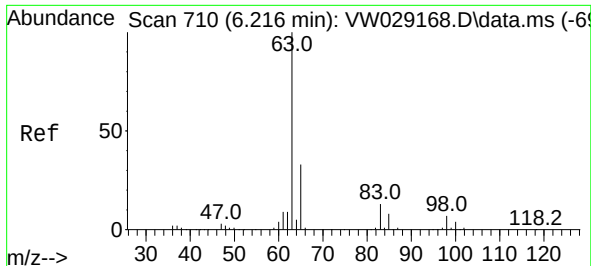
Ion Ratio Lower Upper

73 100

43 28.4 19.5 29.3

57 23.5 18.4 27.6





#19

1,1-Dichloroethane

Concen: 2.588 ug/L

RT: 6.209 min Scan# 710

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :

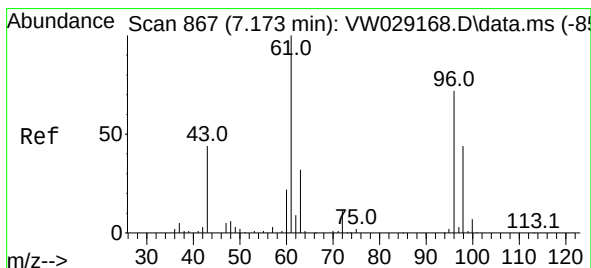
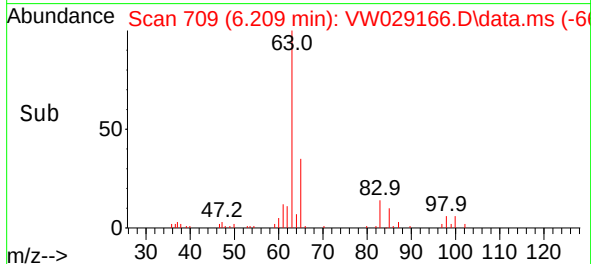
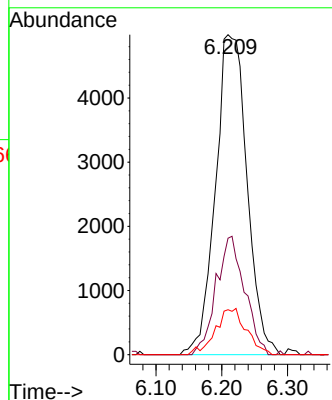
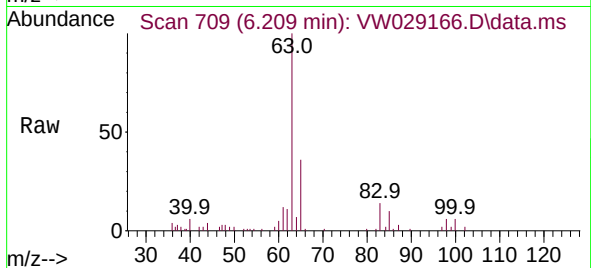
Tgt Ion: 63 Resp: 16651

Ion Ratio Lower Upper

63 100

65 36.4 23.4 43.4

83 14.0 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 2.445 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

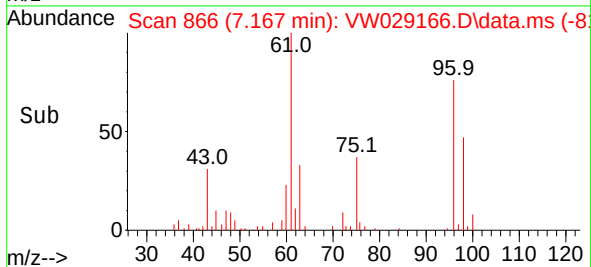
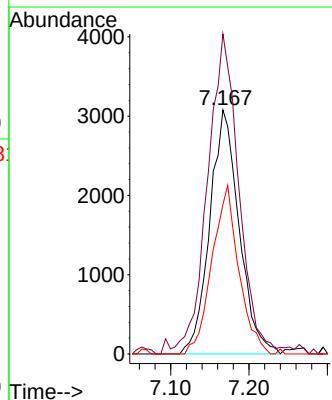
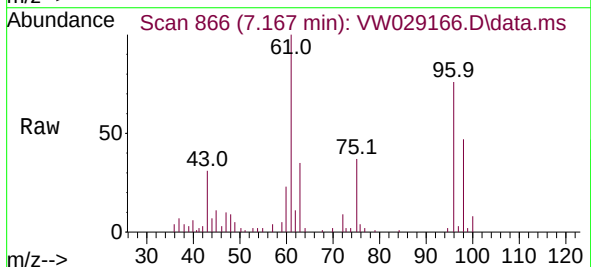
Tgt Ion: 96 Resp: 8034

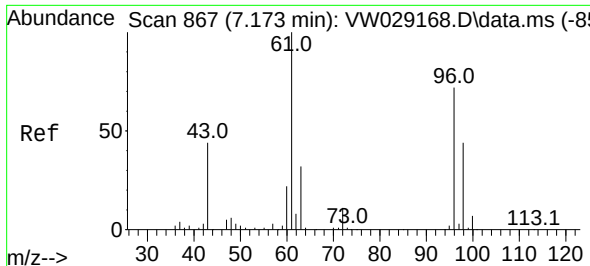
Ion Ratio Lower Upper

96 100

61 131.1 97.8 181.6

98 61.2 43.0 79.8

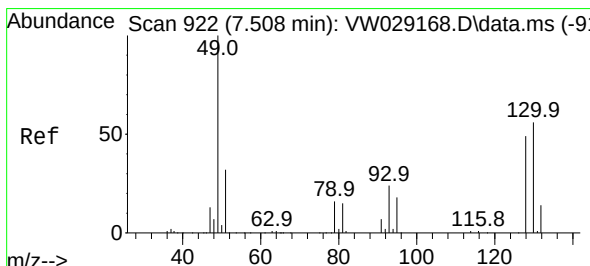
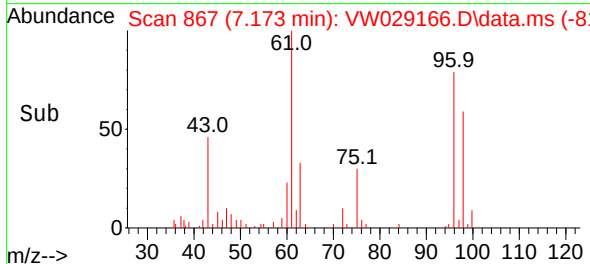
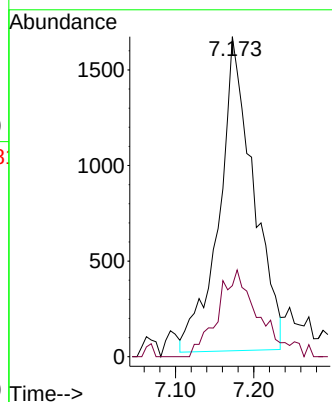
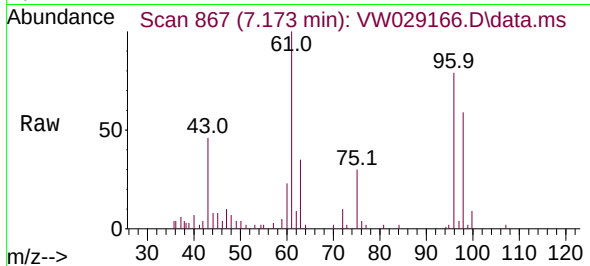




#22
2-Butanone
Concen: 4.475 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

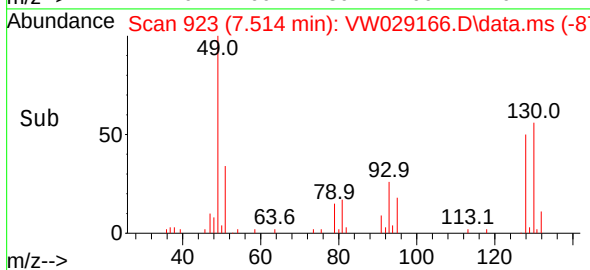
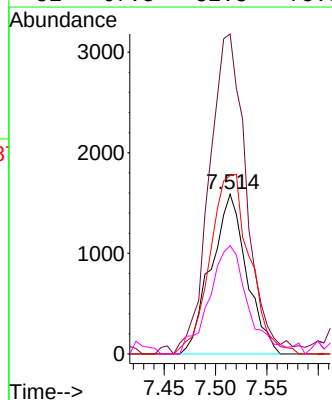
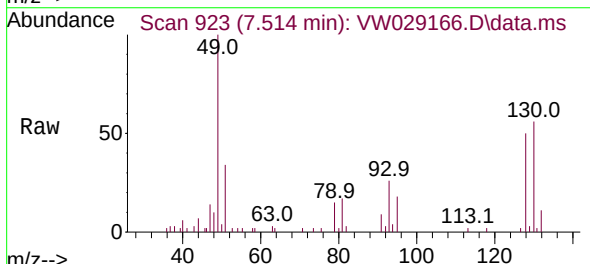
Instrument :
MSVOA_W
ClientSampleId :

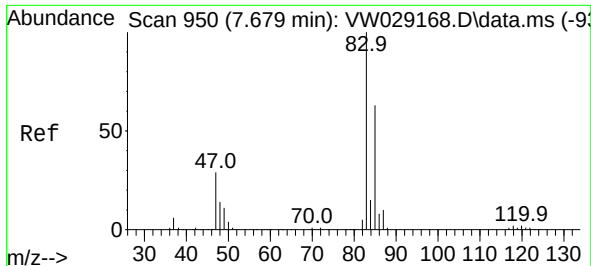
Tgt Ion: 43 Resp: 4986
Ion Ratio Lower Upper
43 100
72 21.0 11.9 35.7



#23
Bromochloromethane
Concen: 2.617 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.006 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

Tgt Ion:128 Resp: 3828
Ion Ratio Lower Upper
128 100
49 200.3 142.6 264.8
130 111.7 79.7 148.1
51 67.8 52.3 78.5





#25

Chloroform

Concen: 2.529 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

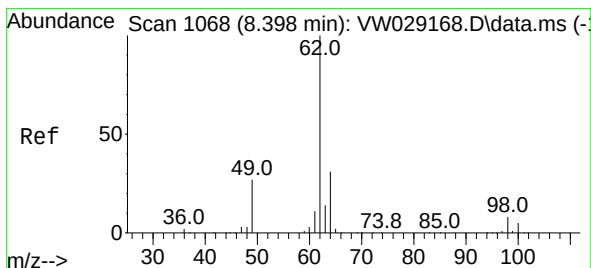
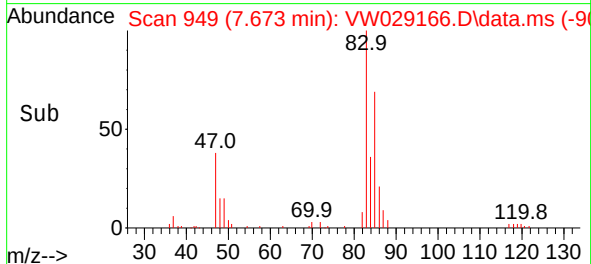
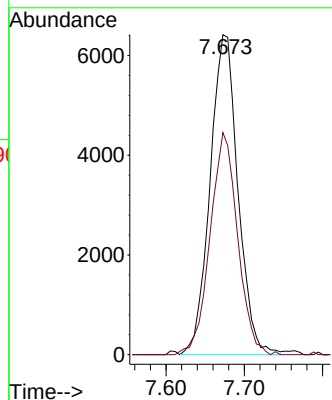
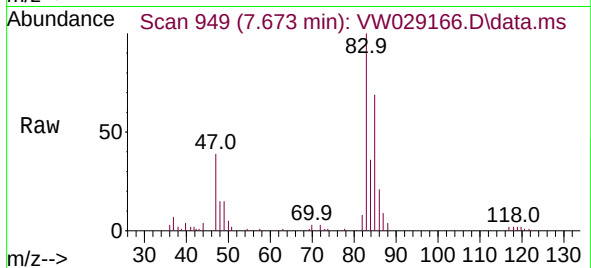
ClientSampleId :

Tgt Ion: 83 Resp: 15891

Ion Ratio Lower Upper

83 100

85 69.4 44.4 82.4



#27

1,2-Dichloroethane

Concen: 2.614 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW029166.D

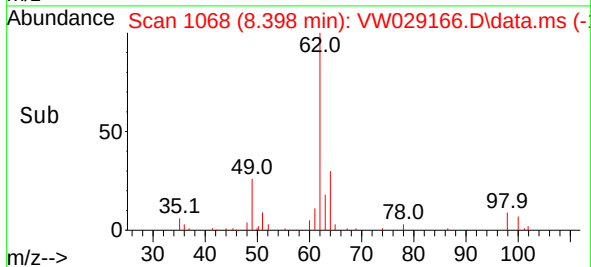
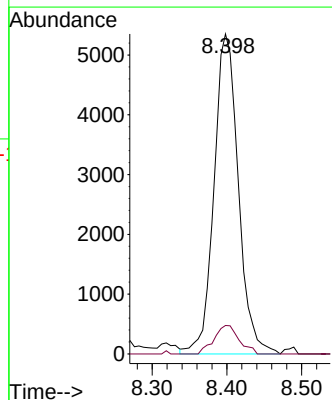
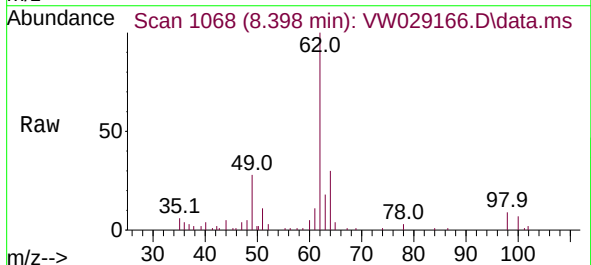
Acq: 18 Jun 2024 09:06

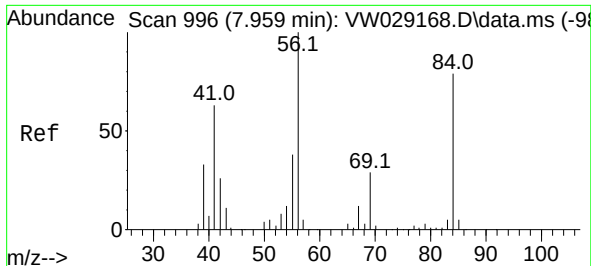
Tgt Ion: 62 Resp: 12115

Ion Ratio Lower Upper

62 100

98 8.9 6.6 10.0





#29

Cyclohexane

Concen: 2.189 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :

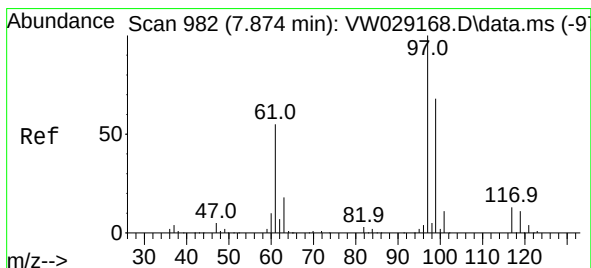
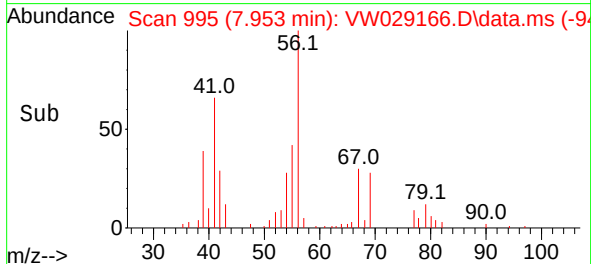
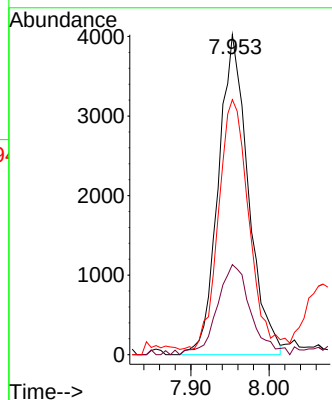
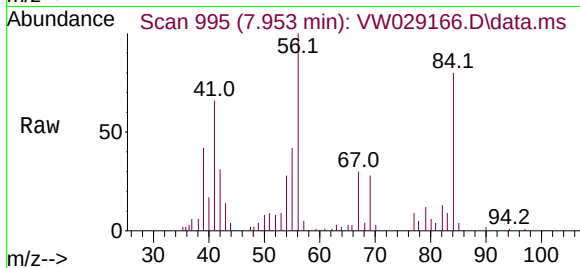
Tgt Ion: 56 Resp: 10706

Ion Ratio Lower Upper

56 100

69 30.3 23.4 35.0

84 77.6 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 2.556 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

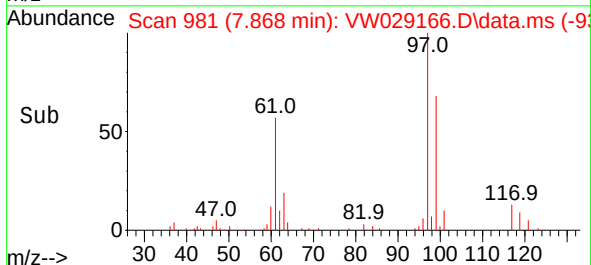
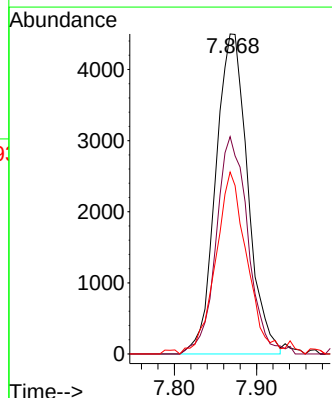
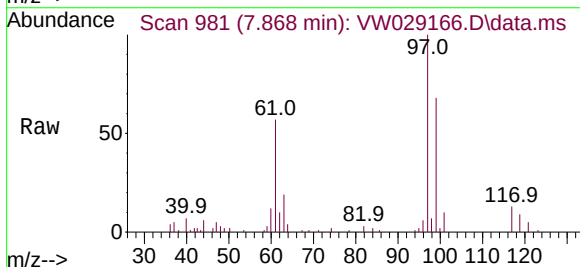
Tgt Ion: 97 Resp: 12162

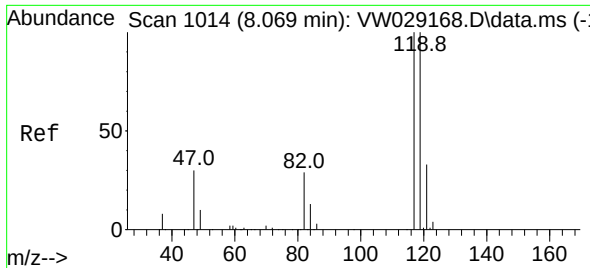
Ion Ratio Lower Upper

97 100

99 67.3 53.0 79.4

61 55.3 43.0 64.4

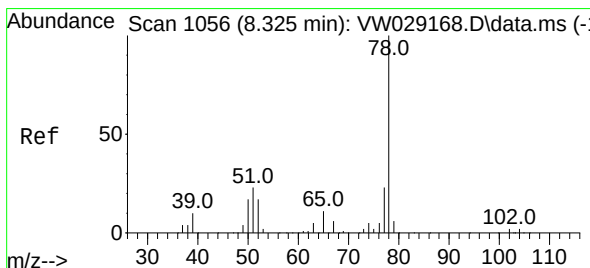
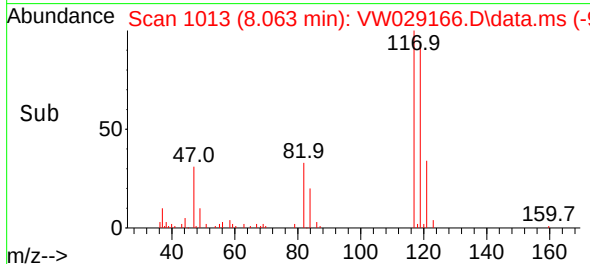
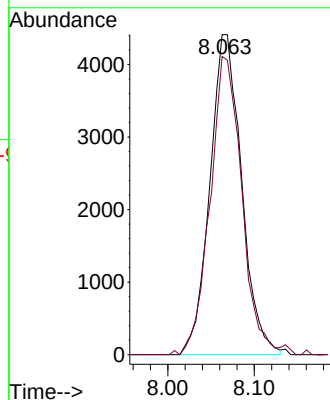
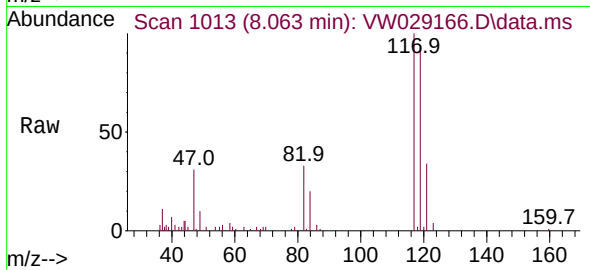




#31
Carbon tetrachloride
Concen: 2.581 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

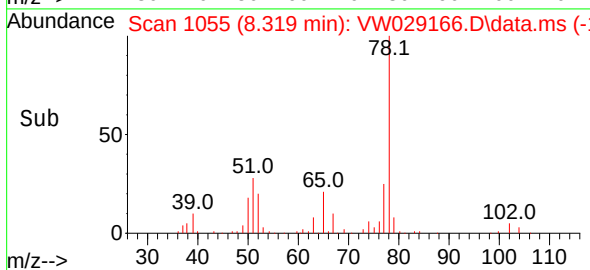
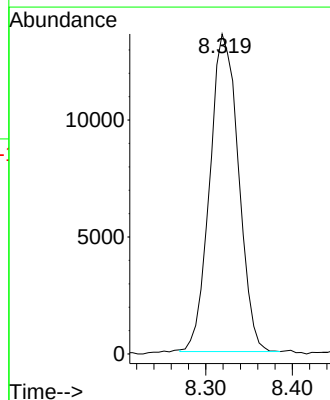
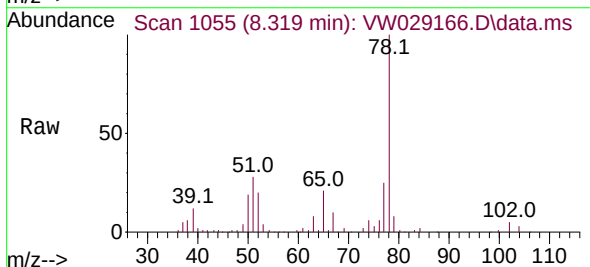
Instrument :
MSVOA_W
ClientSampleId :

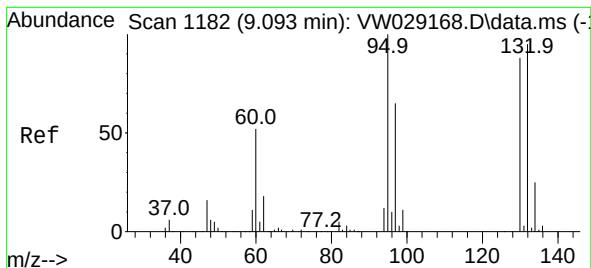
Tgt Ion:117 Resp: 11217
Ion Ratio Lower Upper
117 100
119 92.3 79.0 118.4



#33
Benzene
Concen: 2.435 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

Tgt Ion: 78 Resp: 31309





#34

Trichloroethene

Concen: 2.589 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

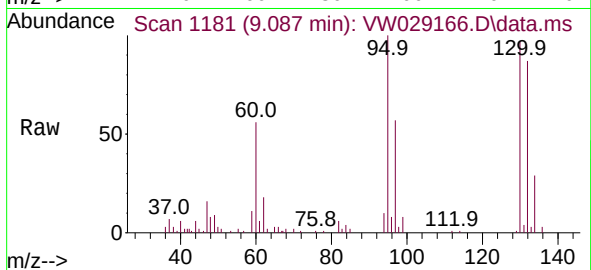
Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 8881

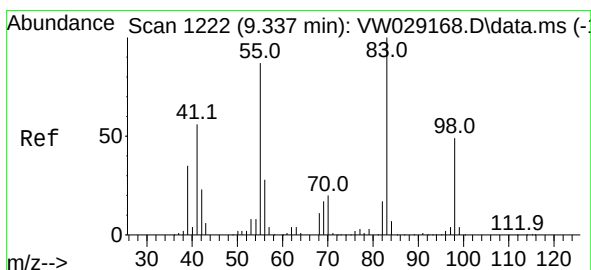
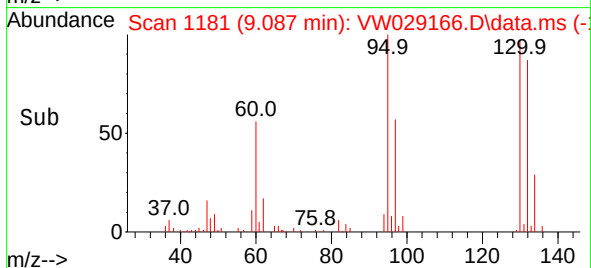
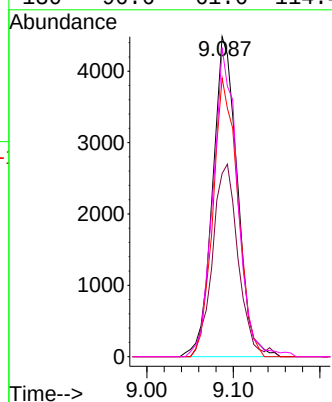
Ion Ratio Lower Upper

95 100

97 57.2 45.7 84.9

132 87.1 66.4 123.4

130 96.6 61.6 114.4



#35

Methylcyclohexane

Concen: 2.320 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

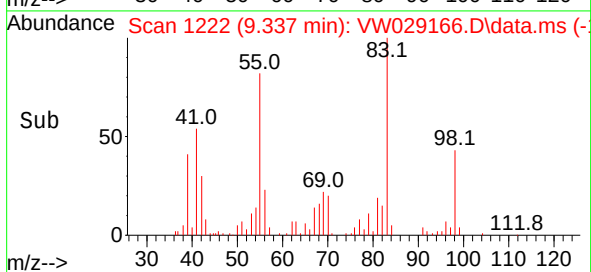
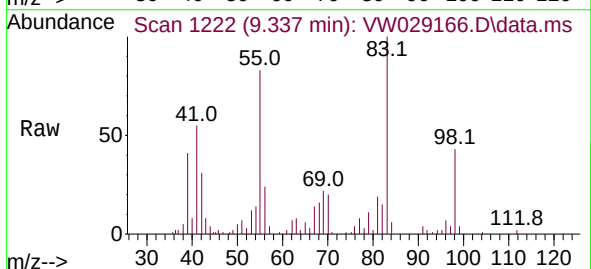
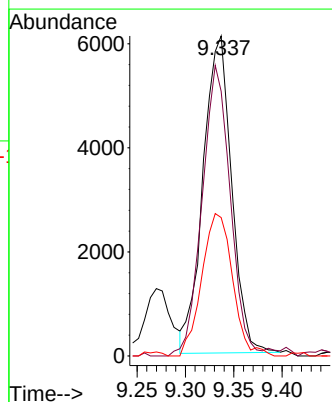
Tgt Ion: 83 Resp: 12517

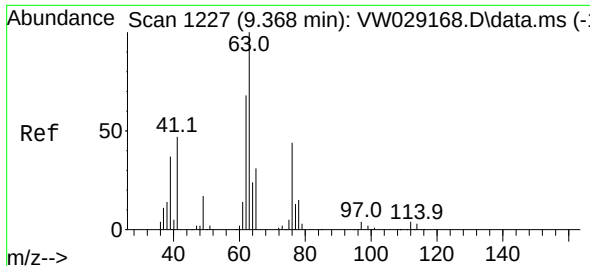
Ion Ratio Lower Upper

83 100

55 90.2 69.5 104.3

98 47.4 38.0 57.0





#37

1,2-Dichloropropane

Concen: 0.269 ug/L

RT: 9.276 min Scan# 1212

Delta R.T. -0.092 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

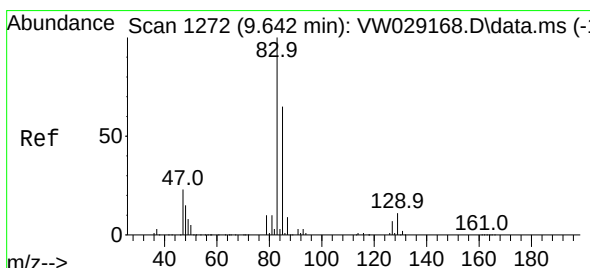
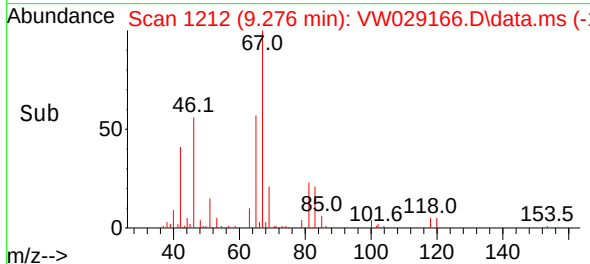
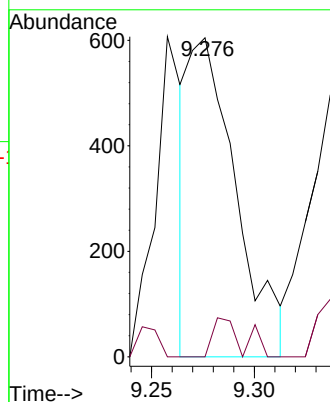
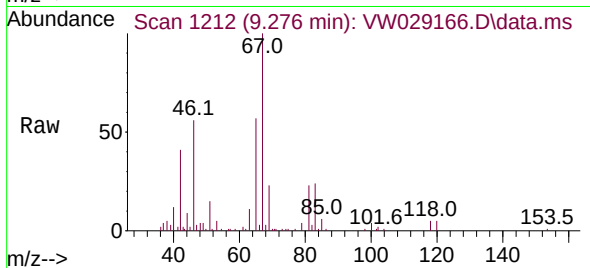
ClientSampleId :

Tgt Ion: 63 Resp: 973

Ion Ratio Lower Upper

63 100

112 5.3 3.8 5.6



#38

Bromodichloromethane

Concen: 2.583 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

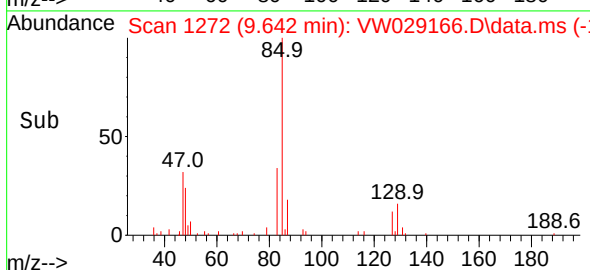
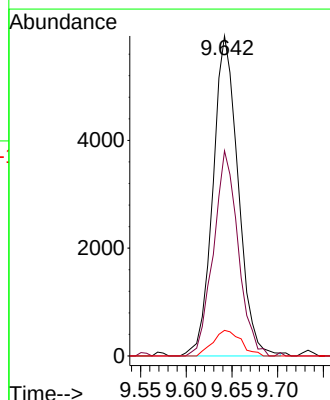
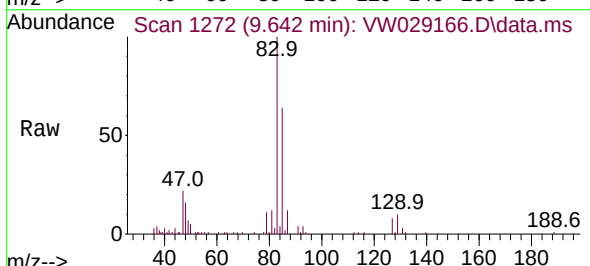
Tgt Ion: 83 Resp: 11410

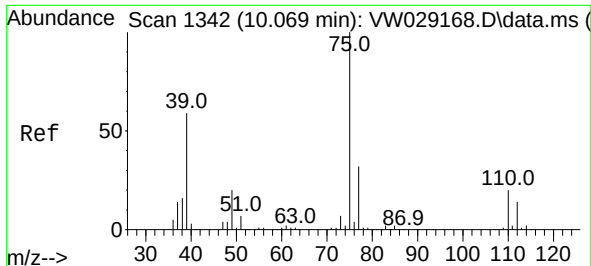
Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

127 8.0 5.8 8.6

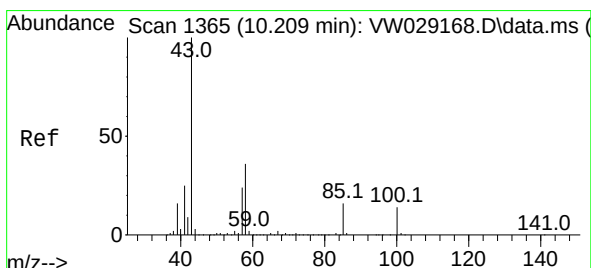
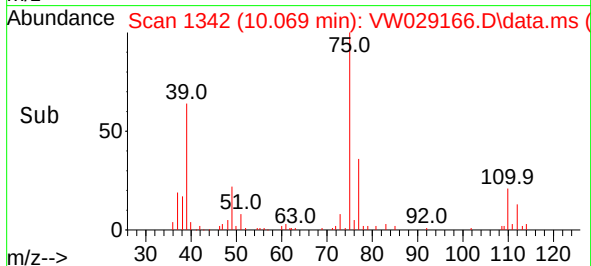
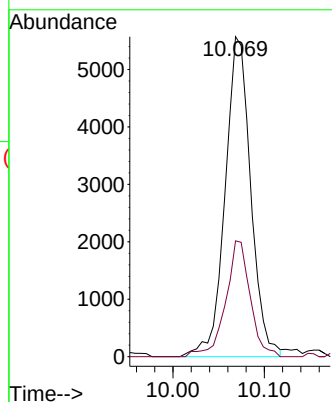
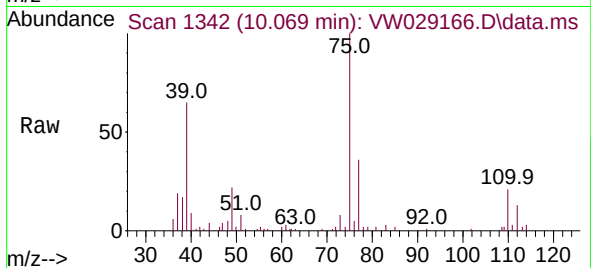




#39
 cis-1,3-Dichloropropene
 Concen: 2.130 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. -0.000 min
 Lab File: VW029166.D
 Acq: 18 Jun 2024 09:06

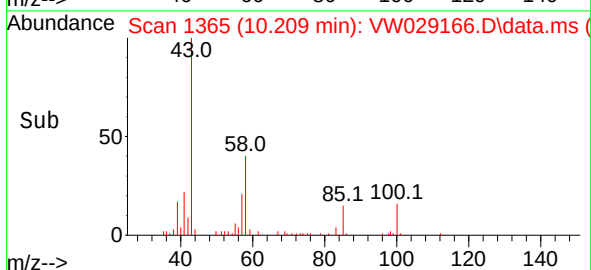
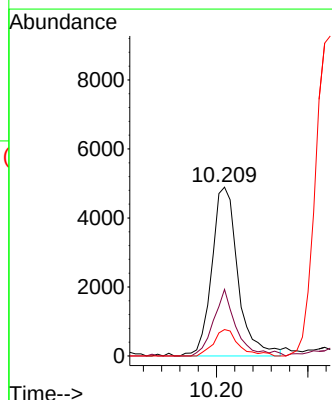
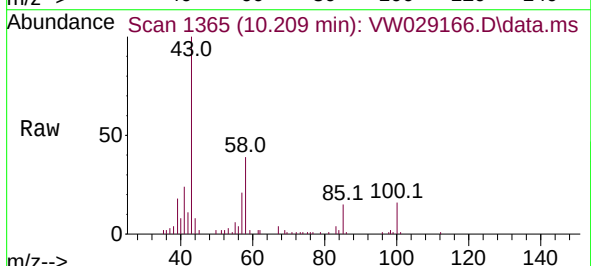
Instrument :
 MSVOA_W
 ClientSampleId :

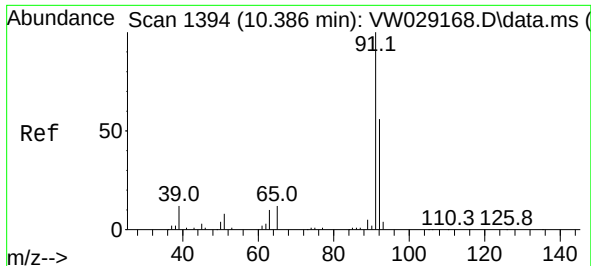
Tgt Ion: 75 Resp: 10879
 Ion Ratio Lower Upper
 75 100
 77 36.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 4.329 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW029166.D
 Acq: 18 Jun 2024 09:06

Tgt Ion: 43 Resp: 9693
 Ion Ratio Lower Upper
 43 100
 58 32.3 28.2 42.4
 100 14.4 11.0 16.4





#42

Toluene

Concen: 2.281 ug/L

RT: 10.386 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

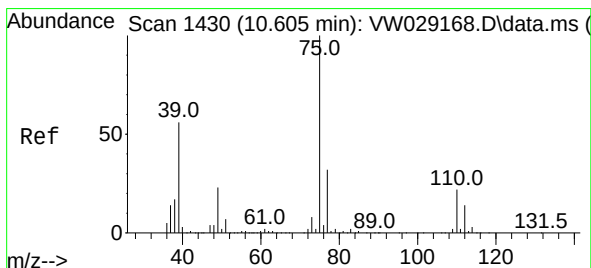
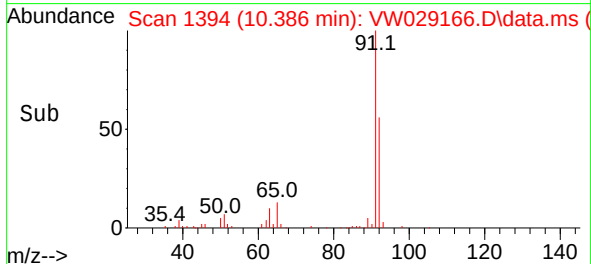
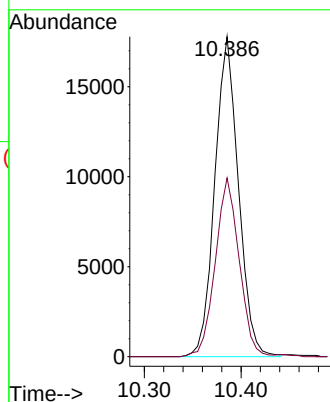
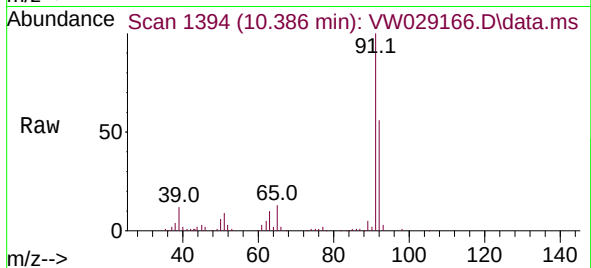
ClientSampleId :

Tgt Ion: 91 Resp: 30146

Ion Ratio Lower Upper

91 100

92 55.8 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 2.148 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029166.D

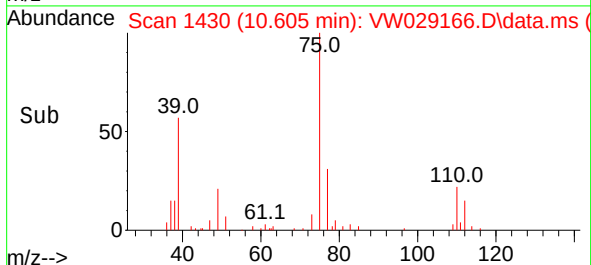
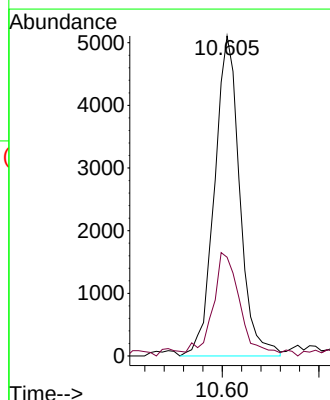
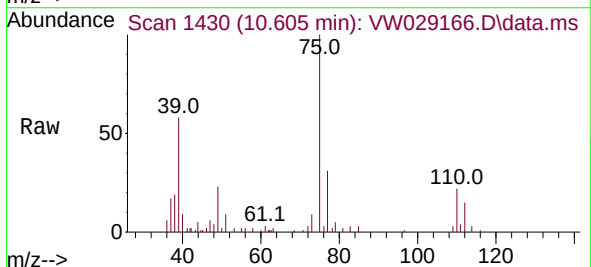
Acq: 18 Jun 2024 09:06

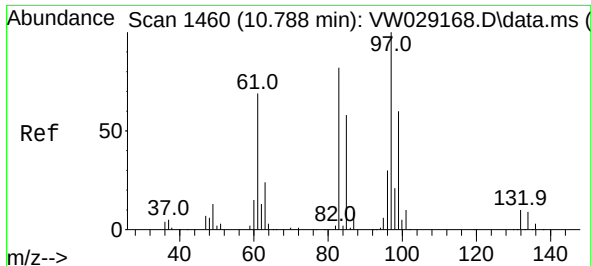
Tgt Ion: 75 Resp: 9264

Ion Ratio Lower Upper

75 100

77 30.8 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 2.589 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.006 min

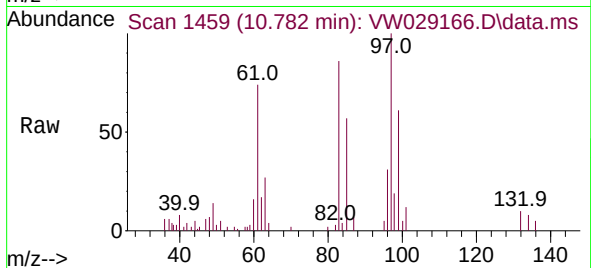
Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 6515

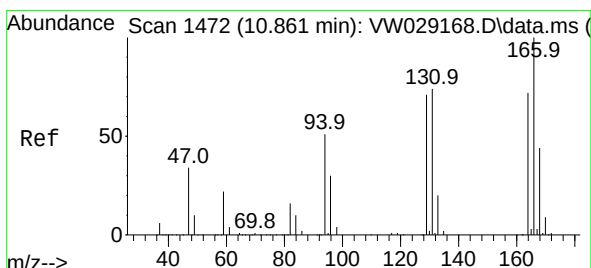
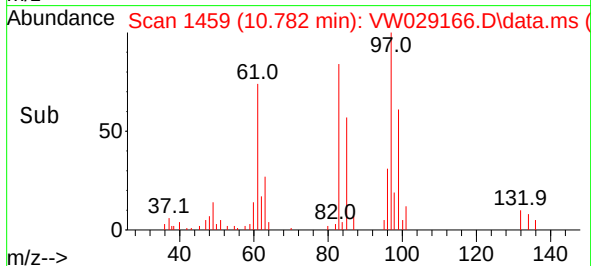
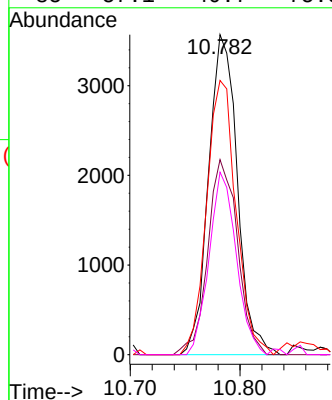
Ion Ratio Lower Upper

97 100

99 60.9 42.3 78.5

83 85.7 57.7 107.1

85 57.1 40.7 75.5



#46

Tetrachloroethene

Concen: 2.630 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Tgt Ion: 164 Resp: 6307

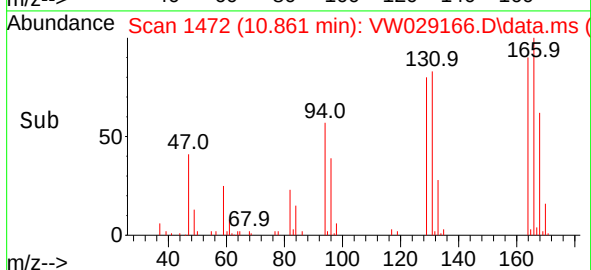
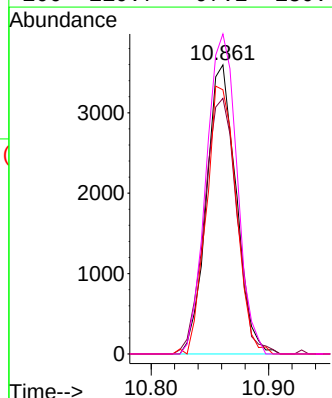
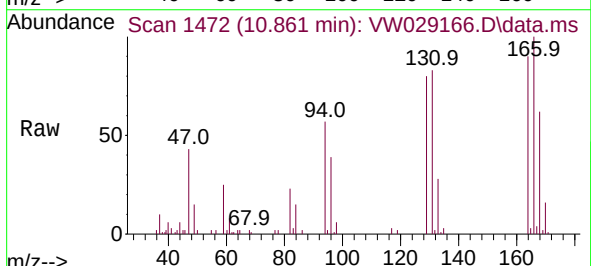
Ion Ratio Lower Upper

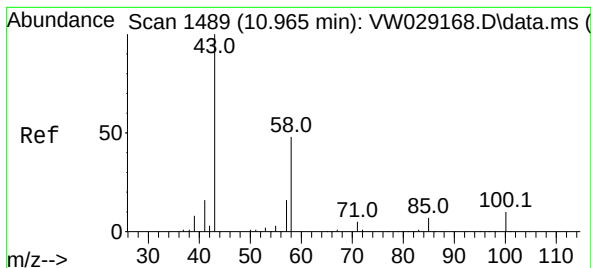
164 100

129 88.5 68.5 127.3

131 91.4 71.8 133.4

166 110.7 97.2 180.4





#48

2-Hexanone

Concen: 4.172 ug/L

RT: 10.971 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 6628

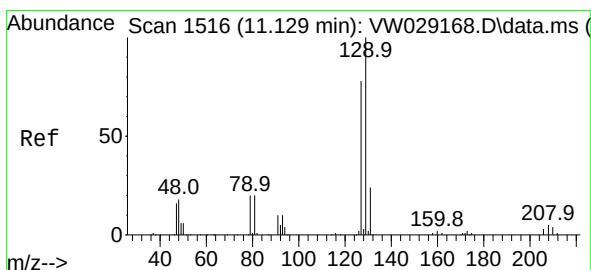
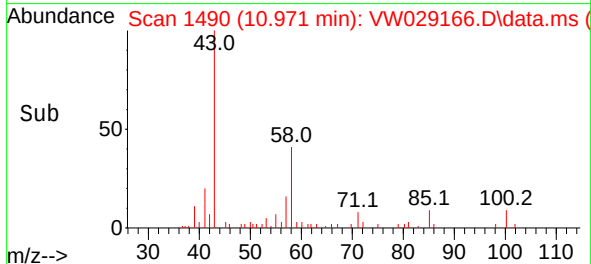
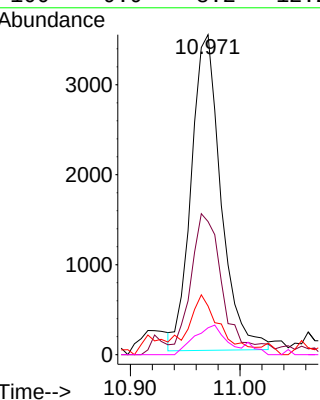
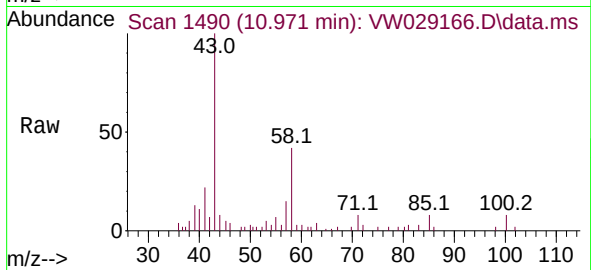
Ion Ratio Lower Upper

43 100

58 46.0 39.6 59.4

57 20.2 14.6 21.8

100 9.9 8.2 12.2



#49

Dibromochloromethane

Concen: 2.337 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW029166.D

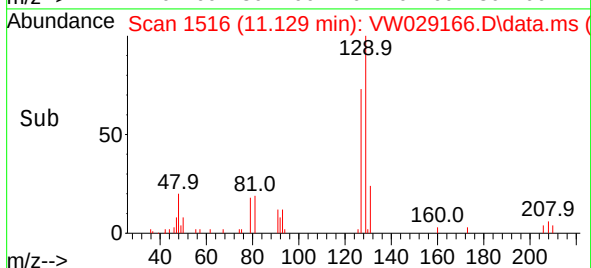
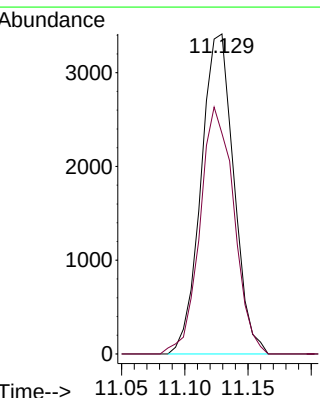
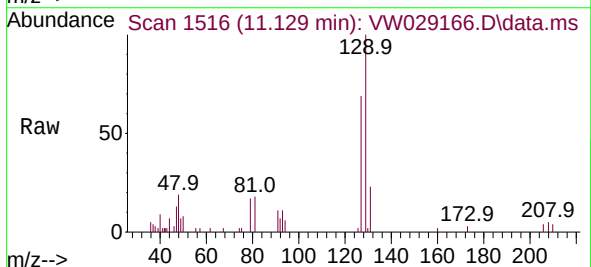
Acq: 18 Jun 2024 09:06

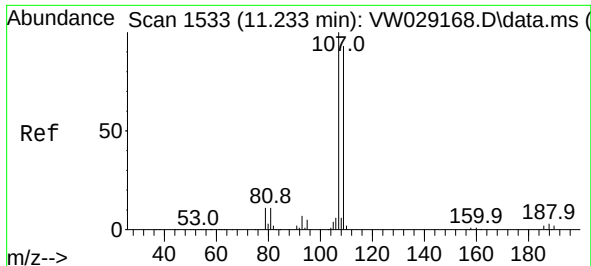
Tgt Ion:129 Resp: 6148

Ion Ratio Lower Upper

129 100

127 68.9 54.8 101.8





#50

1,2-Dibromoethane

Concen: 2.395 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW029166.D

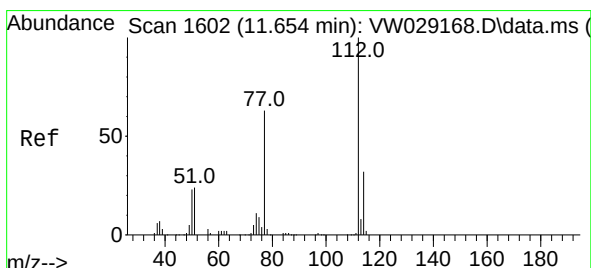
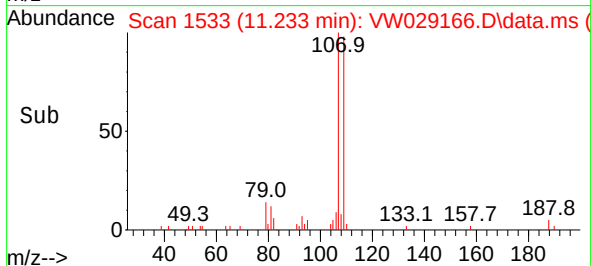
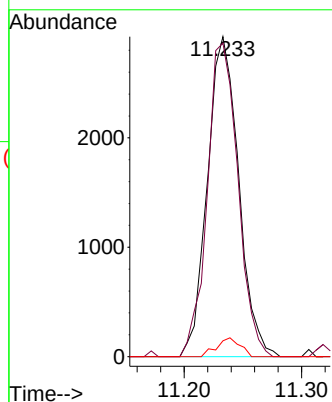
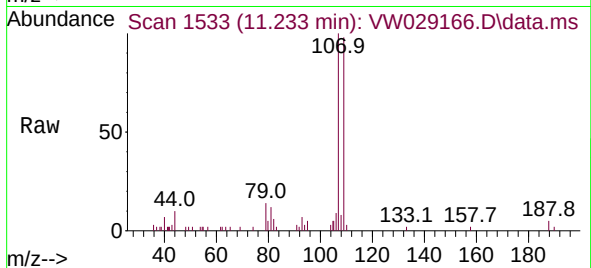
Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	107	Resp:	5409
Ion Ratio	Lower	Upper	
107	100		
109	98.0	65.5	121.6
188	4.9	2.6	4.0#



#51

Chlorobenzene

Concen: 2.473 ug/L

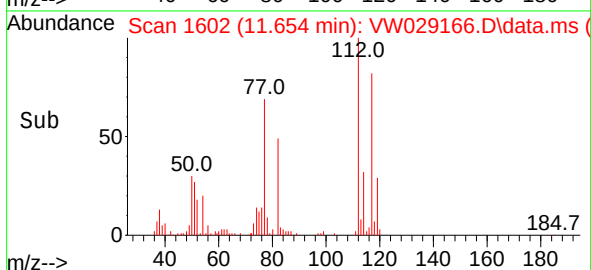
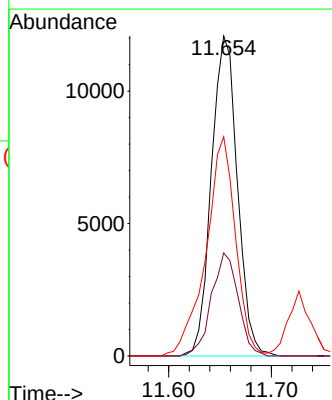
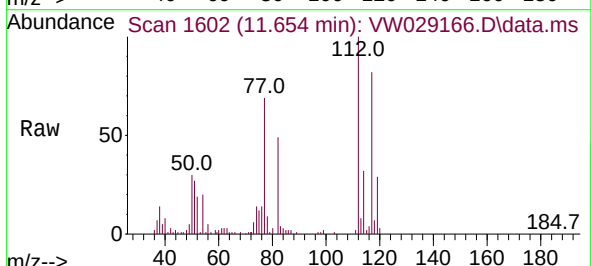
RT: 11.654 min Scan# 1602

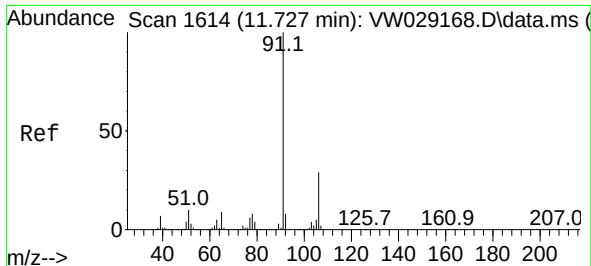
Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Tgt Ion:	112	Resp:	21226
Ion Ratio	Lower	Upper	
112	100		
114	32.2	22.6	42.0
77	68.5	51.0	76.6





#52

Ethylbenzene

Concen: 2.207 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

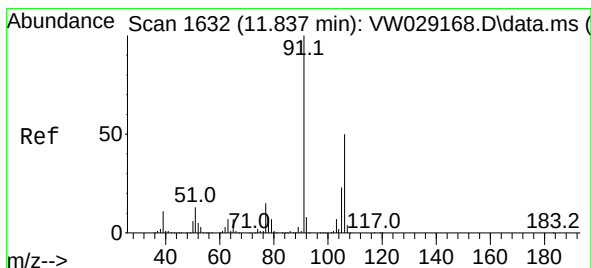
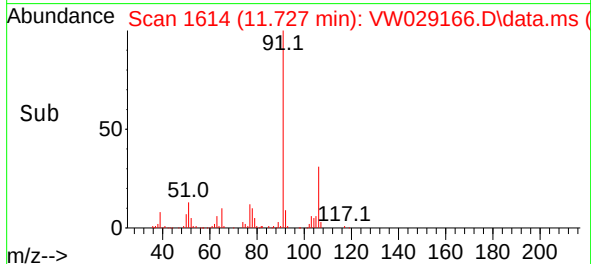
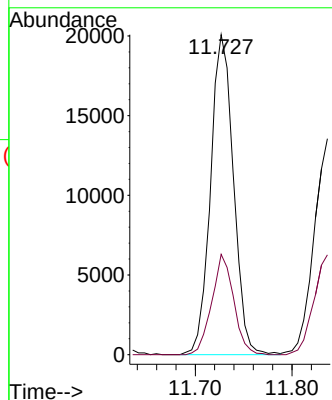
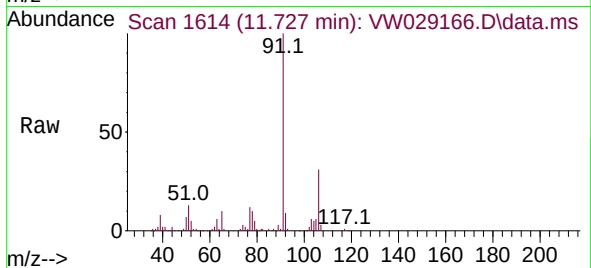
ClientSampleId :

Tgt Ion: 91 Resp: 33118

Ion Ratio Lower Upper

91 100

106 31.3 19.9 37.0



#53

m,p-Xylene

Concen: 2.196 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW029166.D

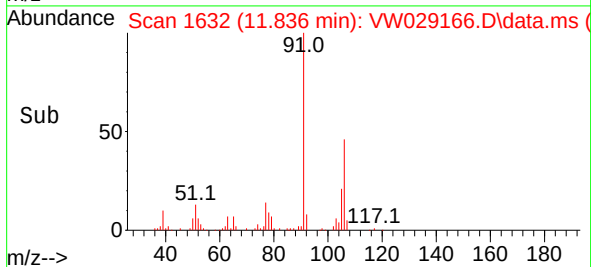
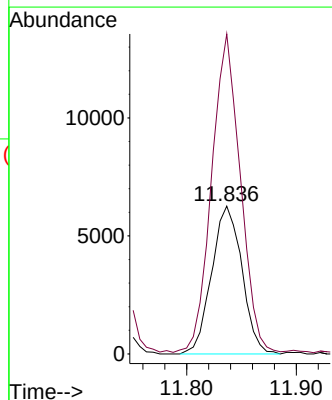
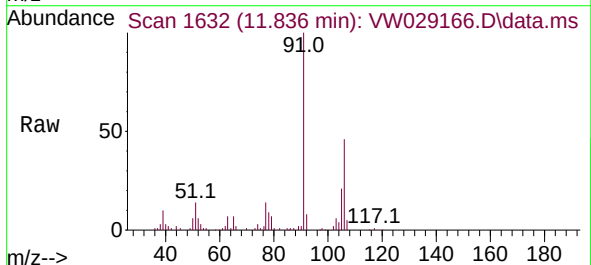
Acq: 18 Jun 2024 09:06

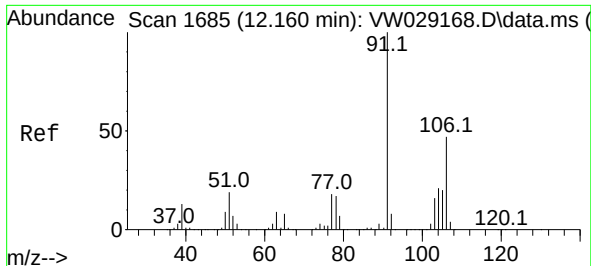
Tgt Ion:106 Resp: 12037

Ion Ratio Lower Upper

106 100

91 216.4 140.5 260.9





#54

o-Xylene

Concen: 2.047 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

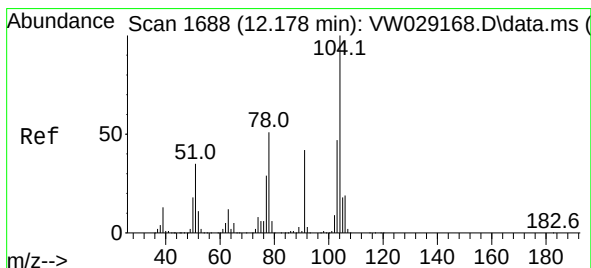
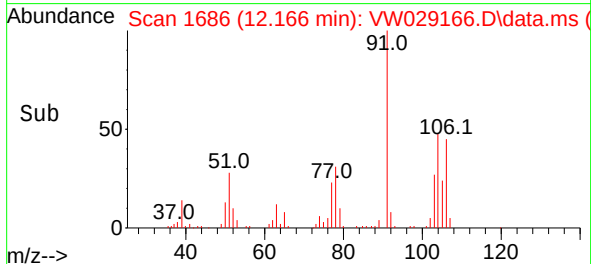
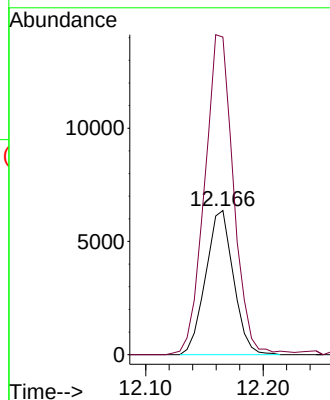
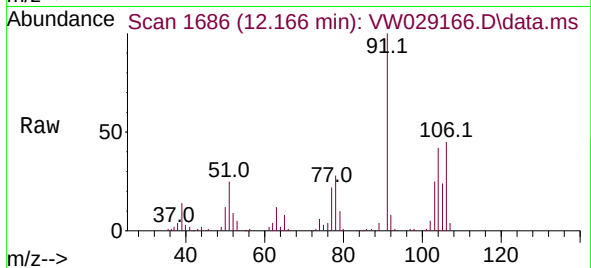
ClientSampleId :

Tgt Ion:106 Resp: 10486

Ion Ratio Lower Upper

106 100

91 220.3 149.9 278.5



#55

Styrene

Concen: 2.067 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW029166.D

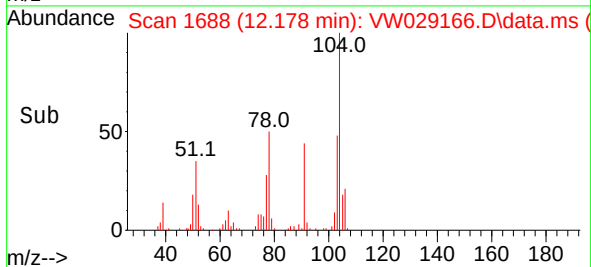
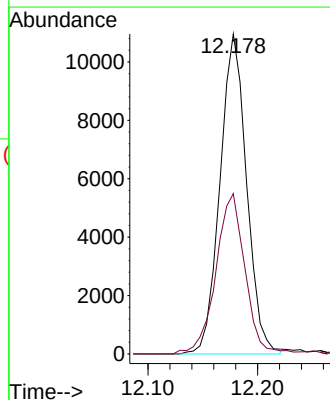
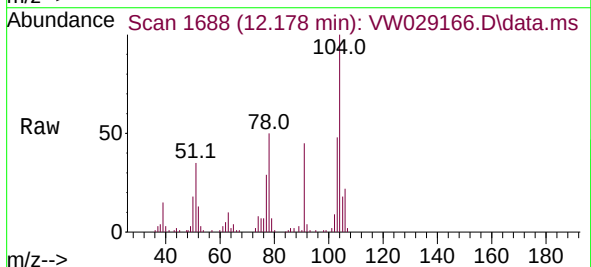
Acq: 18 Jun 2024 09:06

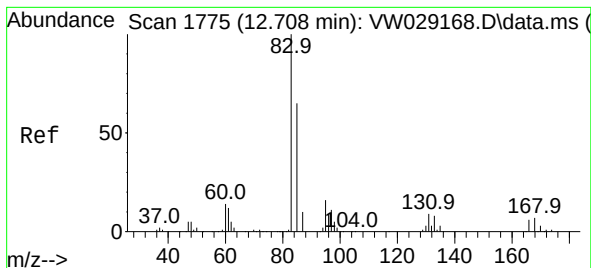
Tgt Ion:104 Resp: 18455

Ion Ratio Lower Upper

104 100

78 50.1 35.4 65.7

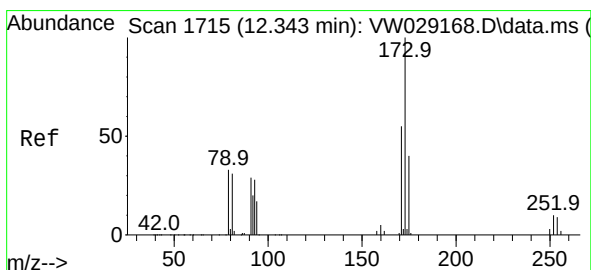
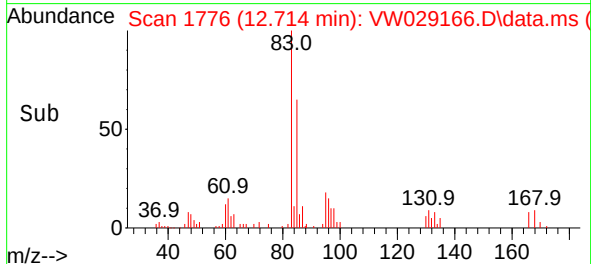
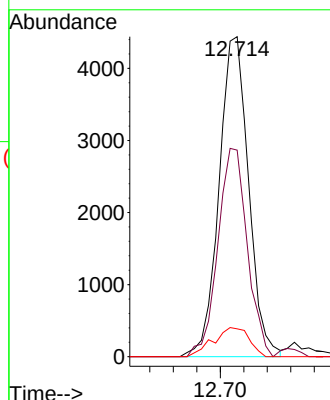
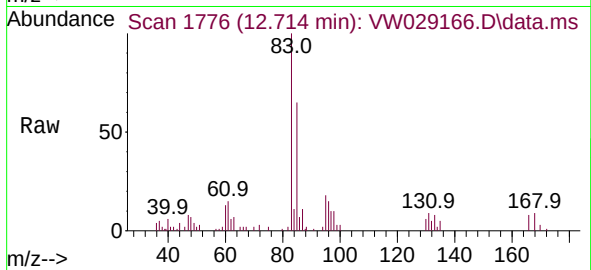




#57
1,1,2,2-Tetrachloroethane
Concen: 2.491 ug/L
RT: 12.714 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

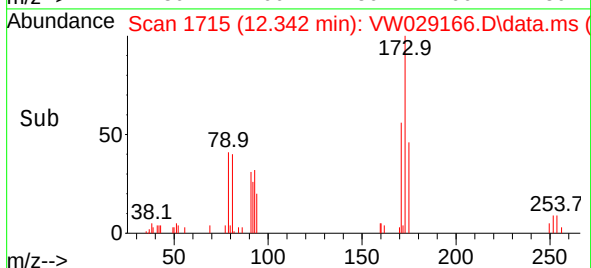
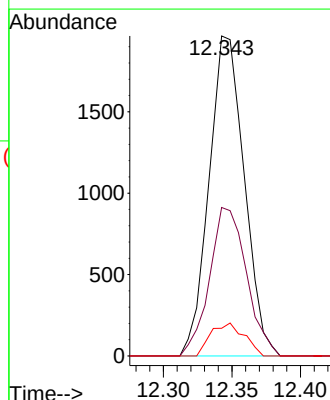
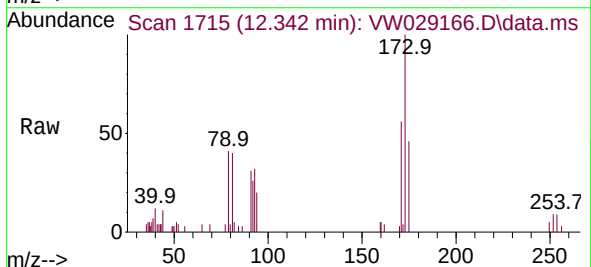
Instrument :
MSVOA_W
ClientSampleId :

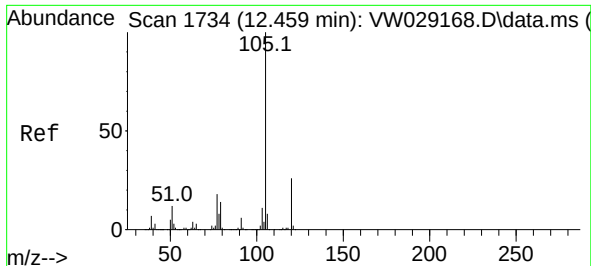
Tgt Ion: 83 Resp: 7754
Ion Ratio Lower Upper
83 100
85 64.6 45.8 85.0
131 8.7 7.8 11.6



#59
Bromoform
Concen: 2.432 ug/L
RT: 12.342 min Scan# 1715
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

Tgt Ion: 173 Resp: 3510
Ion Ratio Lower Upper
173 100
175 48.7 37.8 56.8
254 9.8 7.8 11.6

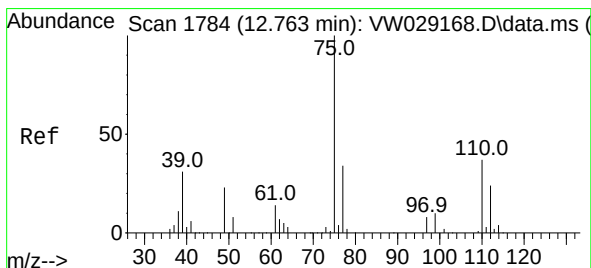
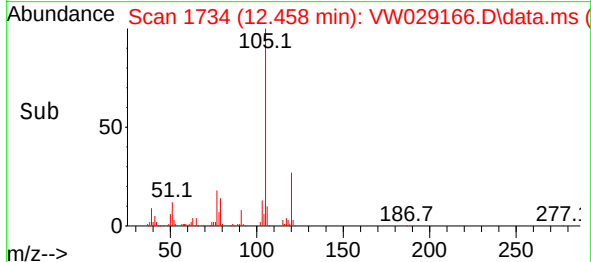
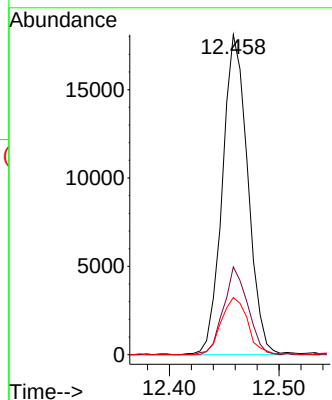
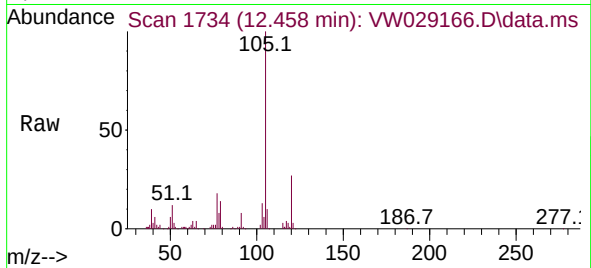




#60
Isopropylbenzene
Concen: 2.076 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

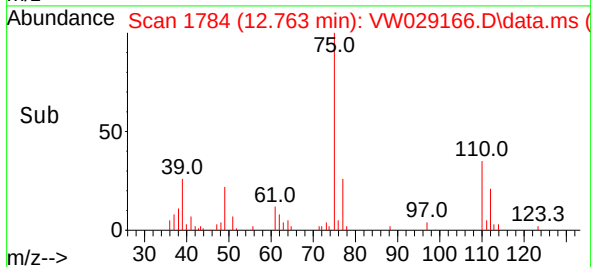
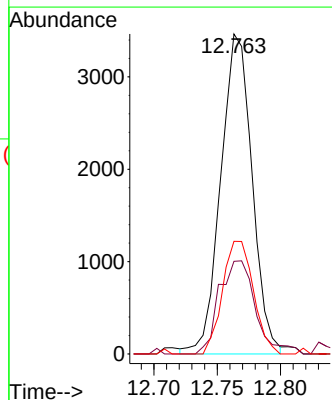
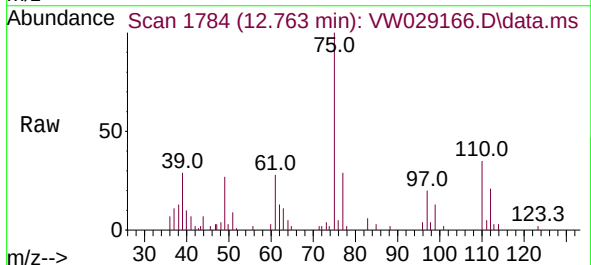
Instrument :
MSVOA_W
ClientSampleId :

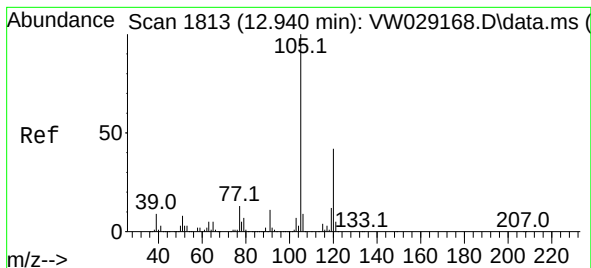
Tgt Ion:	105	Resp:	29137
Ion Ratio	Lower	Upper	
105	100		
120	26.2	20.5	30.7
77	18.7	13.6	20.4



#61
1,2,3-Trichloropropane
Concen: 2.600 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

Tgt Ion:	75	Resp:	5973
Ion Ratio	Lower	Upper	
75	100		
77	32.9	26.6	39.8
110	34.7	29.5	44.3

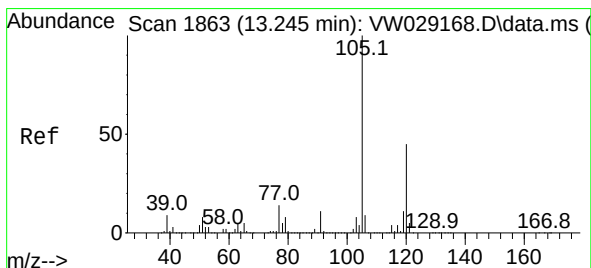
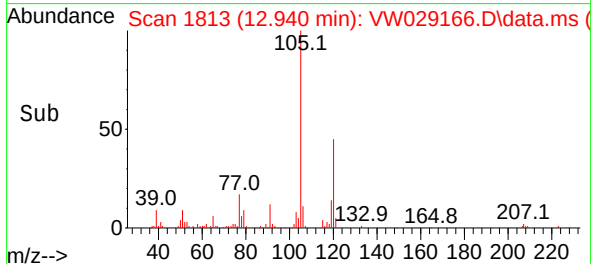
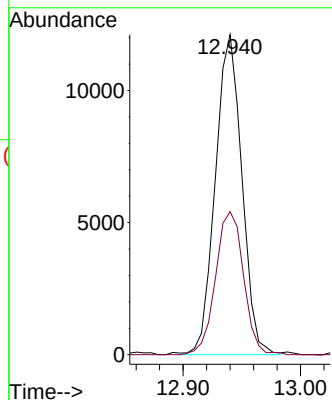
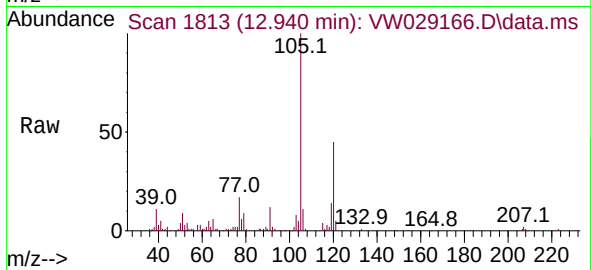




#62
1,3,5-Trimethylbenzene
Concen: 1.869 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

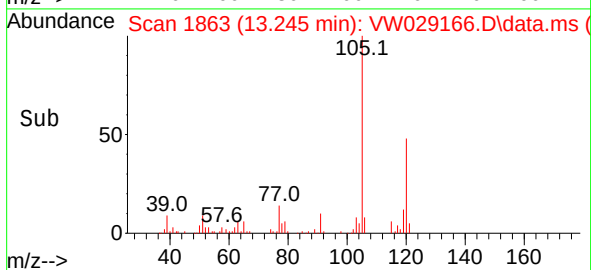
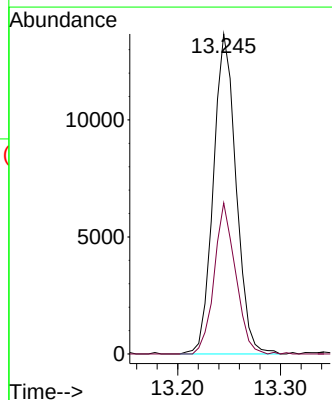
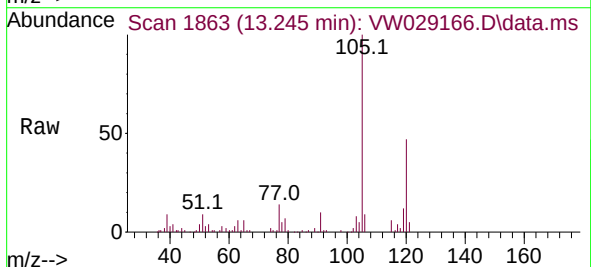
Instrument :
MSVOA_W
ClientSampleId :

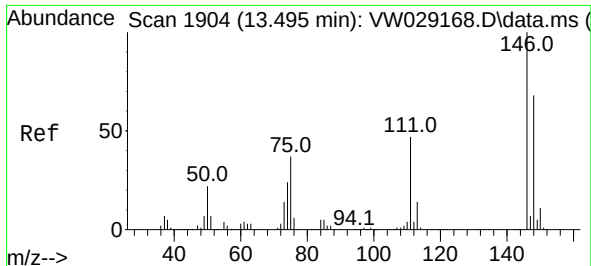
Tgt Ion:105 Resp: 18995
Ion Ratio Lower Upper
105 100
120 46.8 36.4 54.6



#63
1,2,4-Trimethylbenzene
Concen: 1.919 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

Tgt Ion:105 Resp: 20989
Ion Ratio Lower Upper
105 100
120 44.2 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 2.365 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

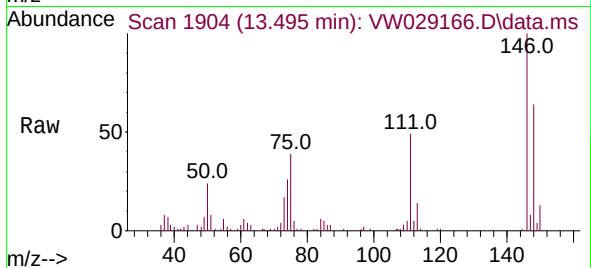
Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :



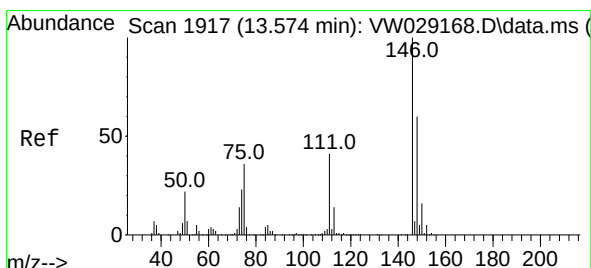
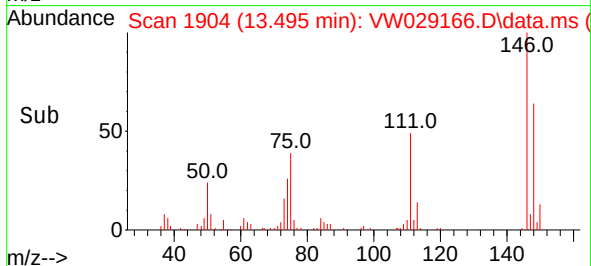
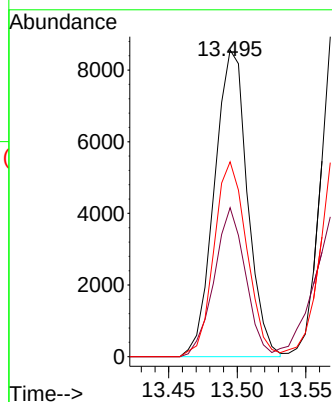
Tgt Ion:146 Resp: 14365

Ion Ratio Lower Upper

146 100

111 48.6 33.0 61.2

148 63.5 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 2.519 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

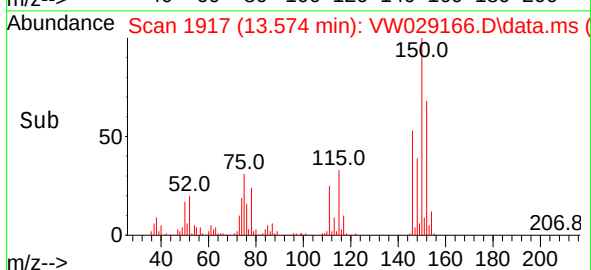
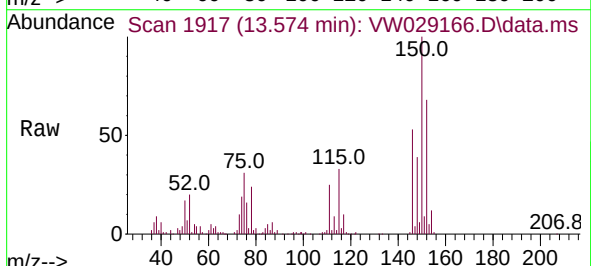
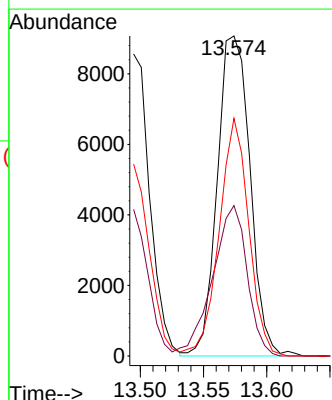
Tgt Ion:146 Resp: 16278

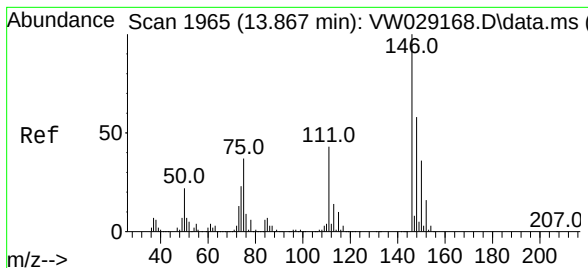
Ion Ratio Lower Upper

146 100

111 47.0 28.9 53.7

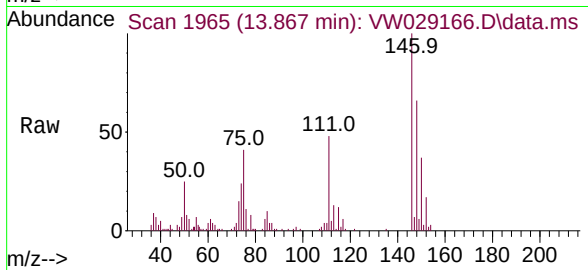
148 74.2 42.0 78.0



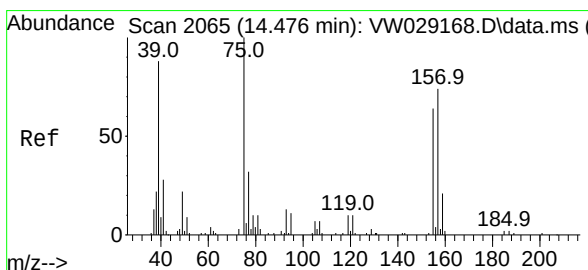
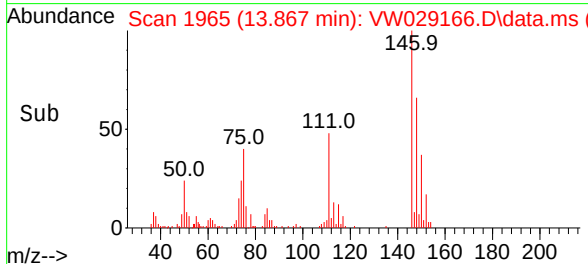
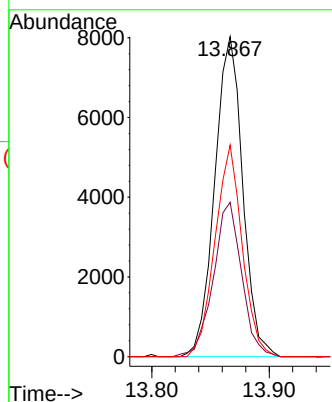


#67
1,2-Dichlorobenzene
Concen: 2.370 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

Instrument :
MSVOA_W
ClientSampleId :

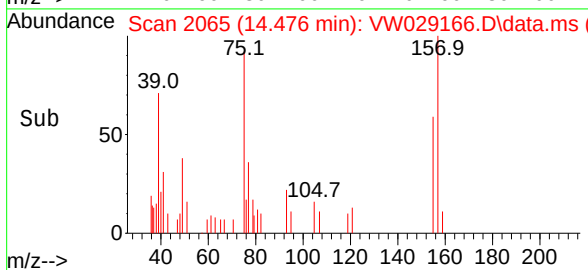
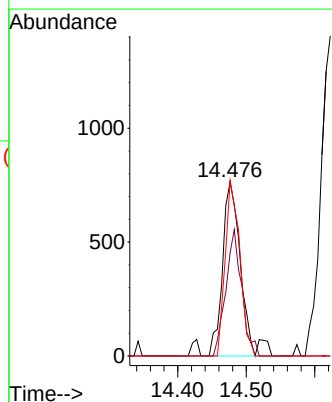
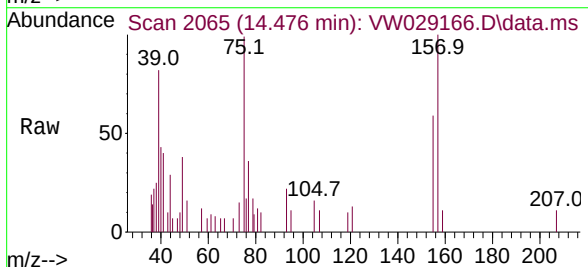


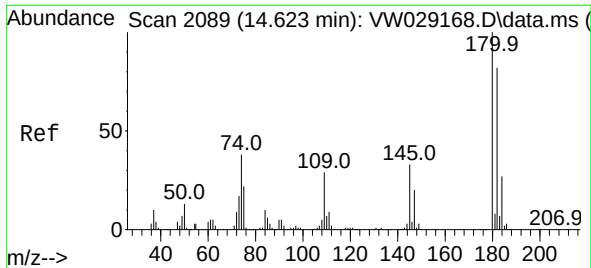
Tgt Ion:146 Resp: 13305
Ion Ratio Lower Upper
146 100
111 48.3 34.2 51.4
148 66.1 46.3 69.5



#68
1,2-Dibromo-3-chloropropane
Concen: 2.738 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW029166.D
Acq: 18 Jun 2024 09:06

Tgt Ion: 75 Resp: 1468
Ion Ratio Lower Upper
75 100
155 59.3 51.0 76.6
157 100.9 58.8 88.2#





#69

1,3,5-Trichlorobenzene

Concen: 2.415 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

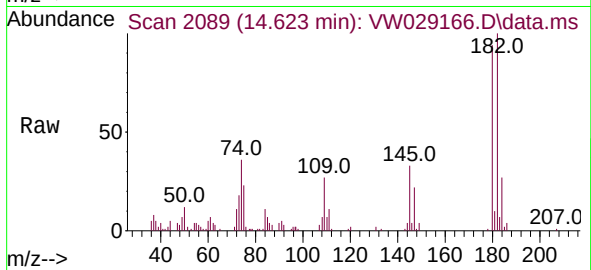
Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:180 Resp: 9900

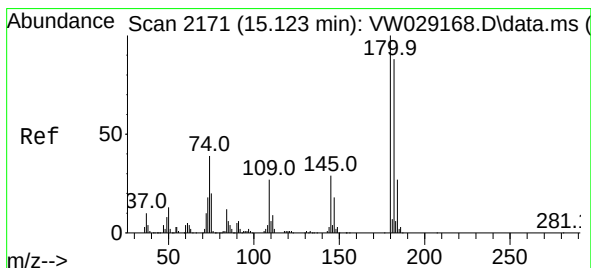
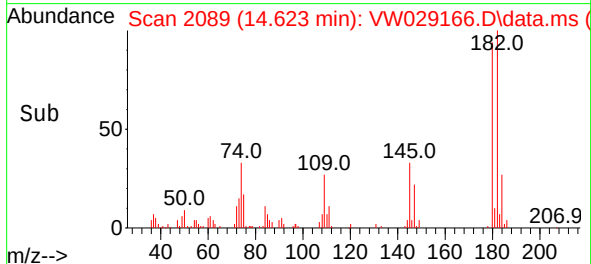
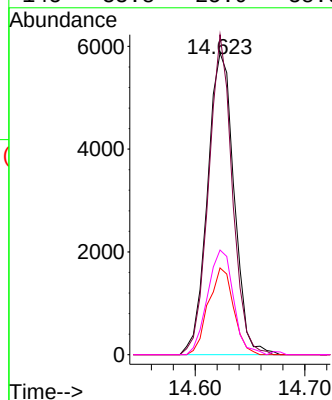
Ion Ratio Lower Upper

180 100

182 94.2 72.9 109.3

184 27.1 23.8 35.6

145 33.8 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 2.219 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

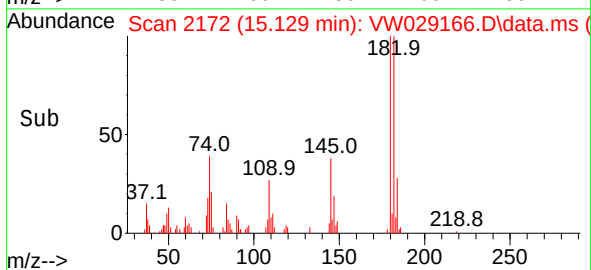
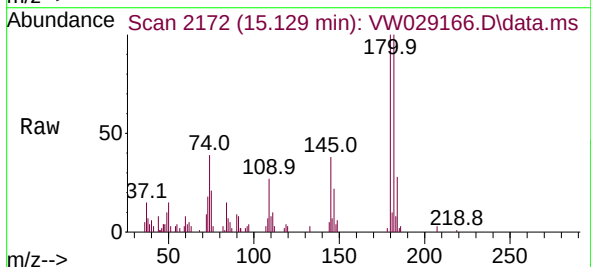
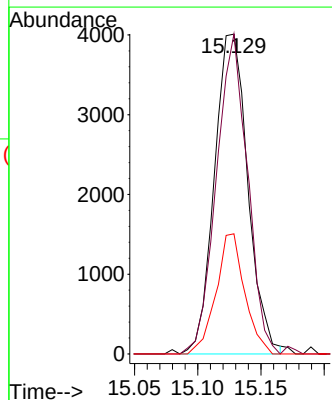
Tgt Ion:180 Resp: 7374

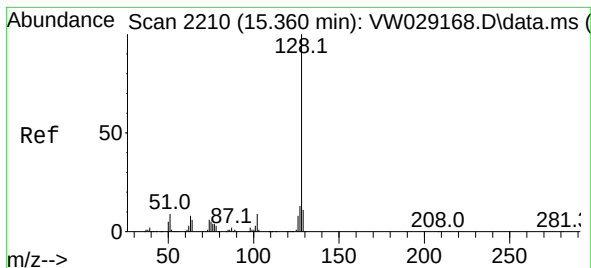
Ion Ratio Lower Upper

180 100

182 92.7 77.7 116.5

145 32.3 25.7 38.5





#71

Naphthalene

Concen: 1.810 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Instrument :

MSVOA_W

ClientSampleId :

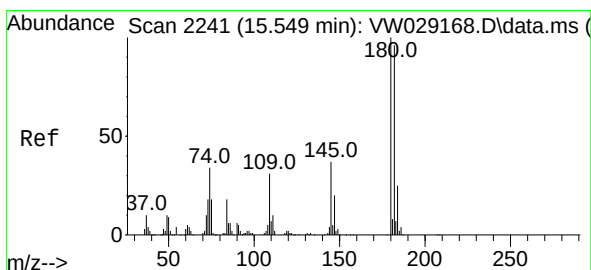
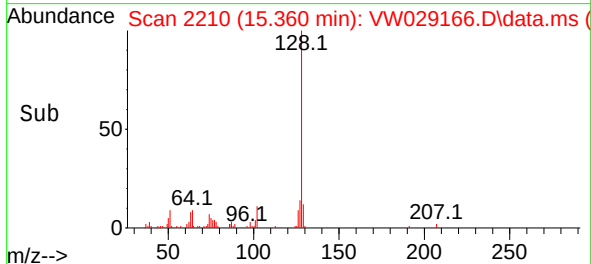
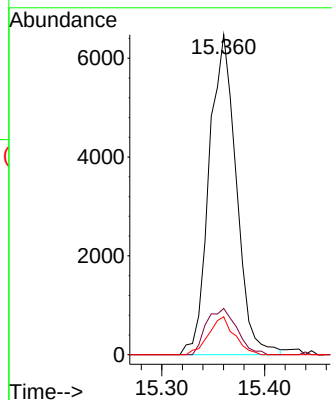
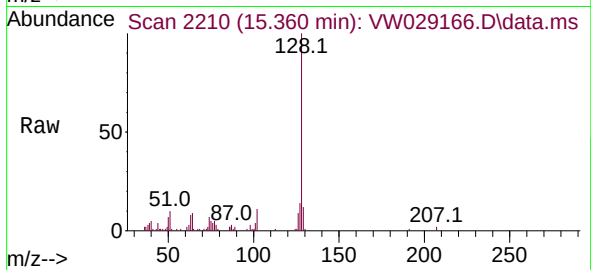
Tgt Ion:128 Resp: 11872

Ion Ratio Lower Upper

128 100

127 16.3 10.3 15.5#

129 11.2 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 2.162 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW029166.D

Acq: 18 Jun 2024 09:06

Tgt Ion:180 Resp: 6544

Ion Ratio Lower Upper

180 100

182 95.2 73.0 109.6

145 36.2 28.1 42.1

