

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030524\
 Data File : VW028089.D
 Acq On : 05 Mar 2024 09:59
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 05 23:52:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 01 00:41:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	283127	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	268690	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	140352	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	82568	24.430	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.720%
7) Chloroethane-d5	2.899	69	67656	25.841	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.360%
11) 1,1-Dichloroethene-d2	4.027	65	34532	25.014	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.040%
21) 2-Butanone-d5	7.081	46	28862	59.865	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.720%
24) Chloroform-d	7.648	84	158152	26.373	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.480%
26) 1,2-Dichloroethane-d4	8.307	65	76620	27.454	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.800%
32) Benzene-d6	8.276	84	319431	25.467	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.880%
36) 1,2-Dichloropropane-d6	9.270	67	81395	25.116	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.480%
41) Toluene-d8	10.319	98	302797	25.616	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.480%
43) trans-1,3-Dichloroprop...	10.575	79	39487	27.805	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.200%
47) 2-Hexanone-d5	10.922	63	27728	60.744	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.480%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	70162	27.431	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.720%
66) 1,2-Dichlorobenzene-d4	13.848	152	103371	24.765	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	74552	25.774	ug/L	90
3) Chloromethane	2.229	50	66451	24.162	ug/L	100
5) Vinyl chloride	2.381	62	94008	24.528	ug/L	100
6) Bromomethane	2.789	94	71814	23.486	ug/L	99
8) Chloroethane	2.936	64	58178	24.170	ug/L	94
9) Trichlorofluoromethane	3.271	101	84369	23.600	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	92640	24.926	ug/L	97
12) 1,1-Dichloroethene	4.045	96	84166	23.914	ug/L	80
13) Acetone	4.125	43	42353	62.848	ug/L	97
14) Carbon disulfide	4.399	76	258250	24.088	ug/L	97
15) Methyl Acetate	4.673	43	26312	27.625	ug/L	97
16) Methylene chloride	4.923	84	91191	23.414	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	92311	24.546	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	116353	25.263	ug/L	100
19) 1,1-Dichloroethane	6.222	63	147856	24.865	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	98477	24.882	ug/L	96
22) 2-Butanone	7.167	43	47644	63.304	ug/L	98
23) Bromochloromethane	7.514	128	45850	24.677	ug/L	96
25) Chloroform	7.679	83	162451	24.459	ug/L	99

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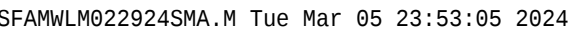
Instrument :
 MSVOA_W
 ClientSampleId :

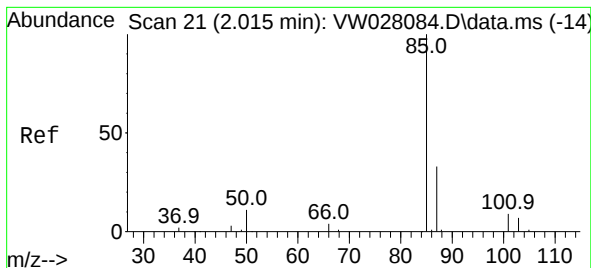
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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	101668	25.742	ug/L	99
29) Cyclohexane	7.959	56	125349	24.260	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	144456	24.079	ug/L	99
31) Carbon tetrachloride	8.069	117	136613	24.386	ug/L	100
33) Benzene	8.325	78	349915	24.106	ug/L	100
34) Trichloroethene	9.087	95	100395	23.605	ug/L	96
35) Methylcyclohexane	9.337	83	168318	24.452	ug/L	99
37) 1,2-Dichloropropane	9.368	63	82558	24.423	ug/L	100
38) Bromodichloromethane	9.642	83	117185	24.000	ug/L	95
39) cis-1,3-Dichloropropene	10.069	75	140880	25.343	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	74403	55.416	ug/L	99
42) Toluene	10.386	91	393966	24.020	ug/L	93
44) trans-1,3-Dichloropropene	10.605	75	116089	25.707	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	68656	24.217	ug/L	99
46) Tetrachloroethene	10.855	164	81970	22.996	ug/L	95
48) 2-Hexanone	10.965	43	67756	62.413	ug/L	99
49) Dibromochloromethane	11.123	129	81249	24.653	ug/L	94
50) 1,2-Dibromoethane	11.233	107	68430	25.061	ug/L	93
51) Chlorobenzene	11.654	112	253299	23.145	ug/L	96
52) Ethylbenzene	11.727	91	444245	23.690	ug/L	93
53) m,p-Xylene	11.837	106	178527	24.537	ug/L	92
54) o-Xylene	12.166	106	166847	24.231	ug/L	92
55) Styrene	12.178	104	283626	24.152	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	76432	25.004	ug/L	96
59) Bromoform	12.343	173	48535	24.393	ug/L	93
60) Isopropylbenzene	12.458	105	459461	23.862	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	53029	24.579	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	309635	24.527	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	375561	24.947	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	211667	23.786	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	206033	22.934	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	185817	23.181	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.476	75	11858	26.168	ug/L	87
69) 1,3,5-Trichlorobenzene	14.623	180	150571	22.928	ug/L	94
70) 1,2,4-trichlorobenzene	15.123	180	129057	24.471	ug/L	95
71) Naphthalene	15.360	128	221456	25.675	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	112363	25.478	ug/L	91

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

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#2

Dichlorodifluoromethane

Concen: 25.774 ug/L

RT: 2.015 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

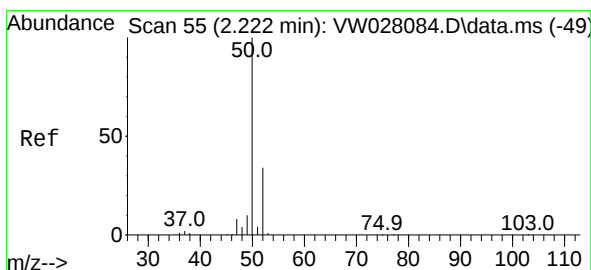
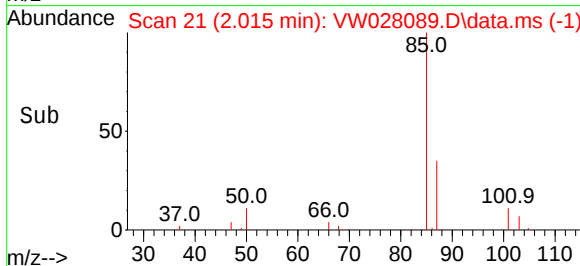
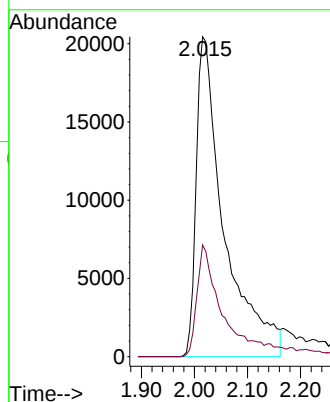
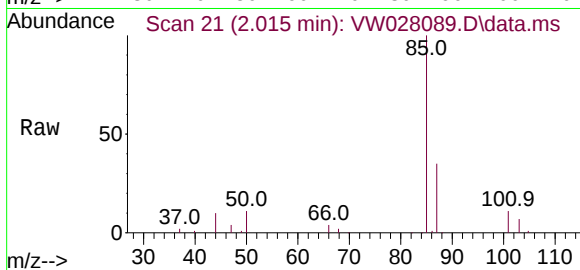
ClientSampleId :

Tgt Ion: 85 Resp: 74552

Ion Ratio Lower Upper

85 100

87 27.3 26.6 39.8



#3

Chloromethane

Concen: 24.162 ug/L

RT: 2.229 min Scan# 56

Delta R.T. 0.006 min

Lab File: VW028089.D

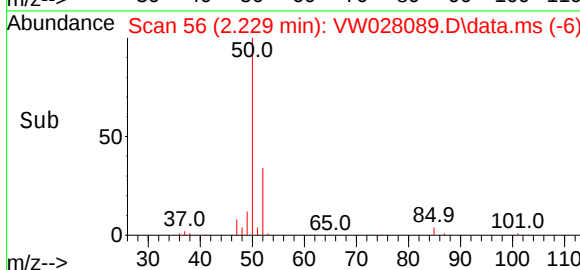
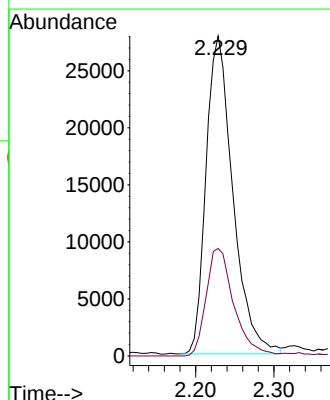
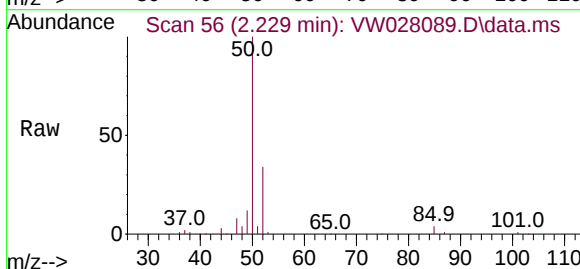
Acq: 05 Mar 2024 09:59

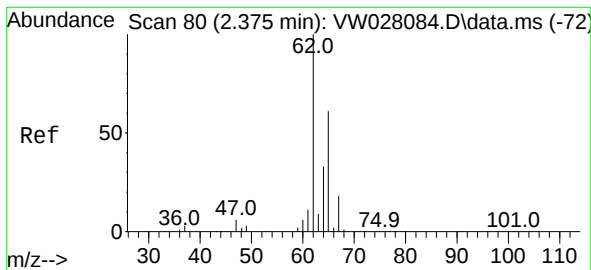
Tgt Ion: 50 Resp: 66451

Ion Ratio Lower Upper

50 100

52 33.6 23.7 43.9





#5

Vinyl chloride

Concen: 24.528 ug/L

RT: 2.381 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

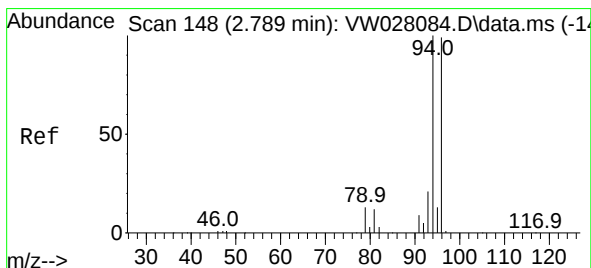
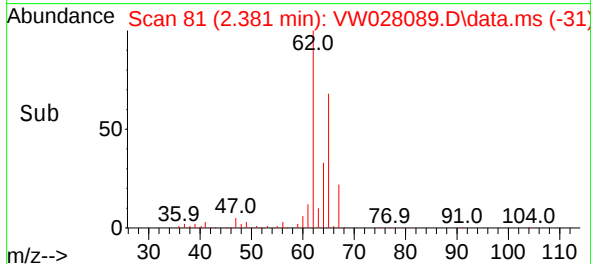
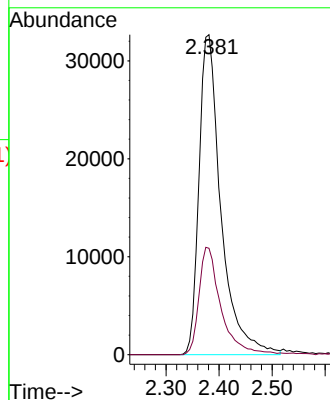
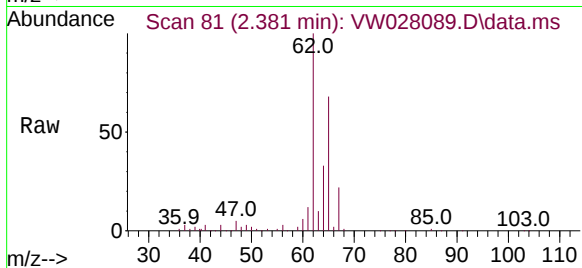
ClientSampleId :

Tgt Ion: 62 Resp: 94008

Ion Ratio Lower Upper

62 100

64 33.3 23.2 43.0



#6

Bromomethane

Concen: 23.486 ug/L

RT: 2.789 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW028089.D

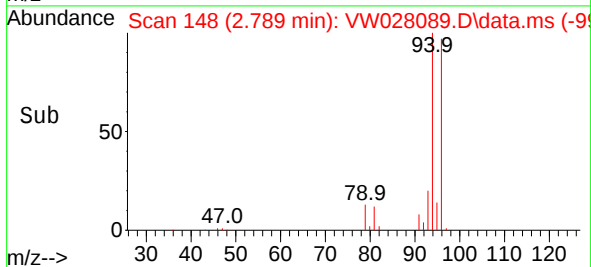
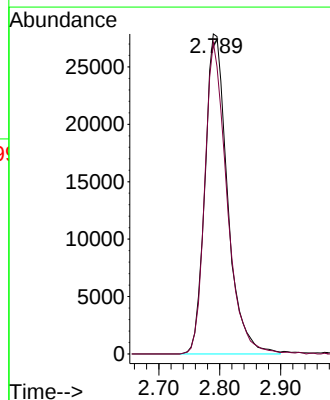
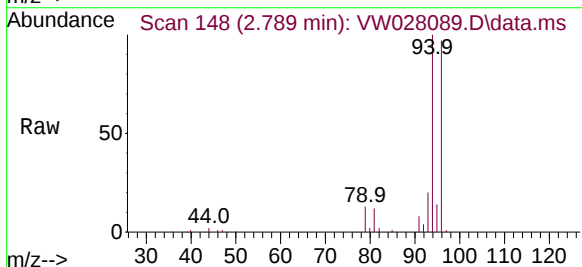
Acq: 05 Mar 2024 09:59

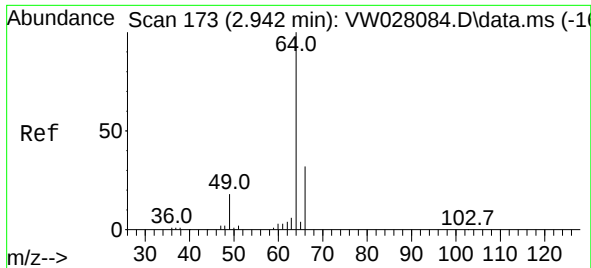
Tgt Ion: 94 Resp: 71814

Ion Ratio Lower Upper

94 100

96 97.4 69.1 128.3

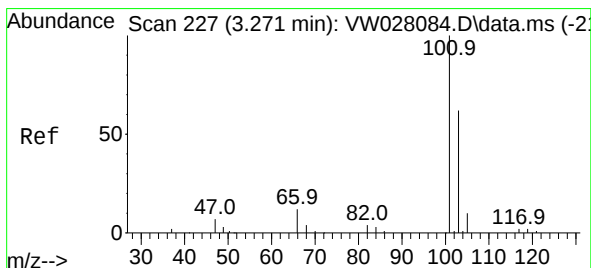
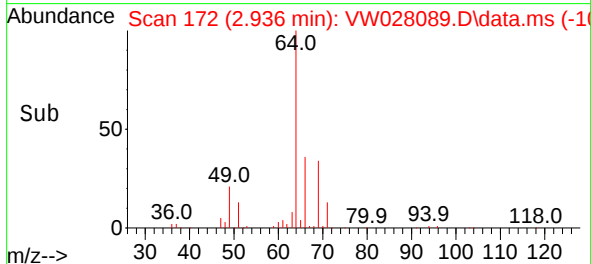
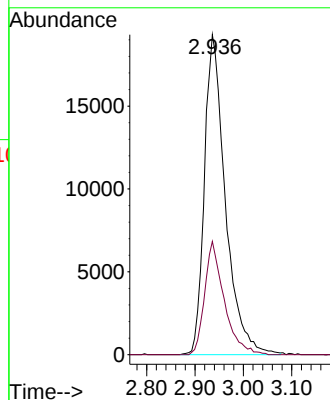
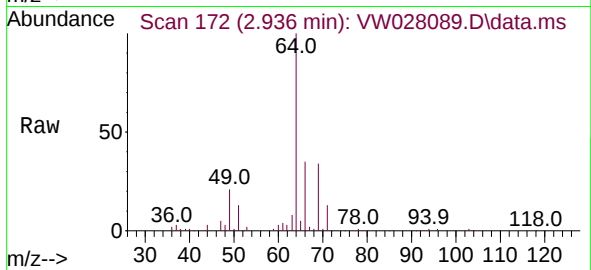




#8
Chloroethane
Concen: 24.170 ug/L
RT: 2.936 min Scan# 173
Delta R.T. -0.006 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

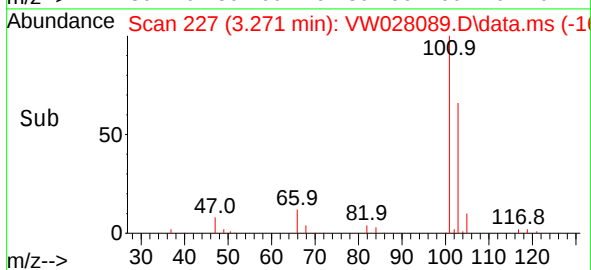
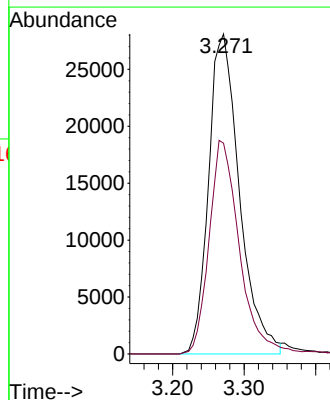
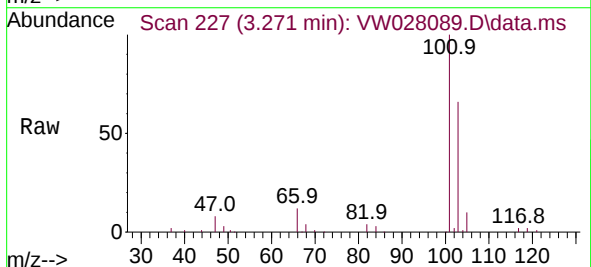
Instrument :
MSVOA_W
ClientSampleId :

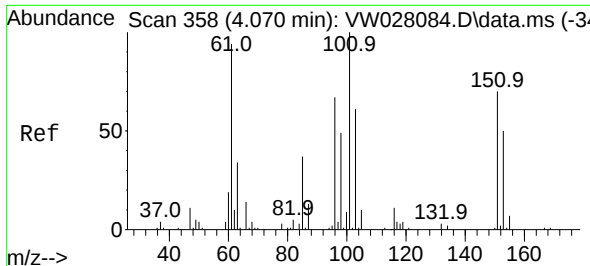
Tgt Ion: 64 Resp: 58178
Ion Ratio Lower Upper
64 100
66 35.4 22.4 41.6



#9
Trichlorofluoromethane
Concen: 23.600 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

Tgt Ion:101 Resp: 84369
Ion Ratio Lower Upper
101 100
103 65.2 52.6 78.8





#10

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

Concen: 24.926 ug/L

RT: 4.076 min Scan# 358

Delta R.T. 0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

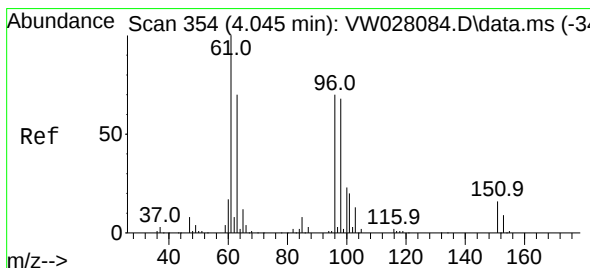
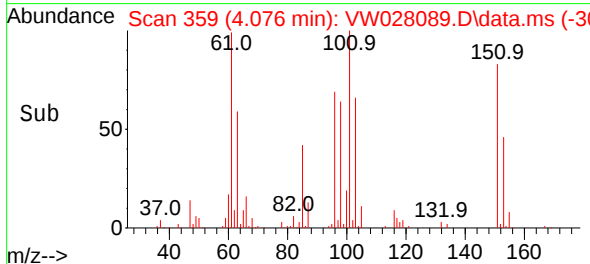
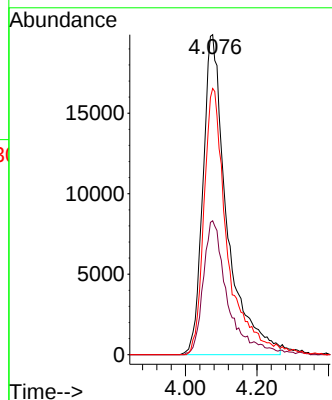
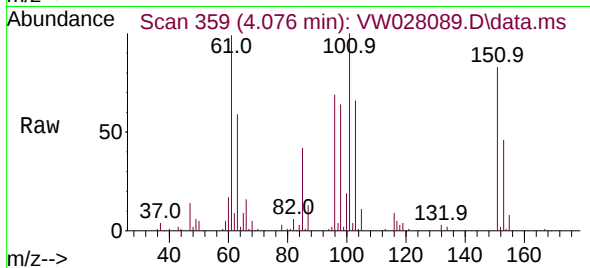
Tgt Ion:101 Resp: 92640

Ion Ratio Lower Upper

101 100

85 38.9 33.1 49.7

151 68.6 53.7 80.5



#12

1,1-Dichloroethene

Concen: 23.914 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

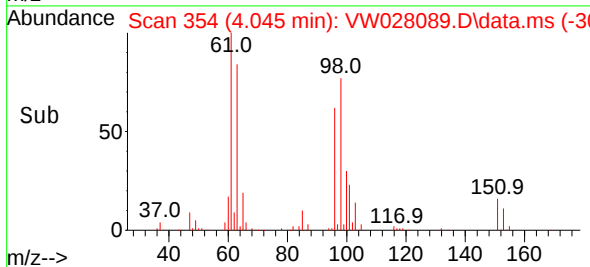
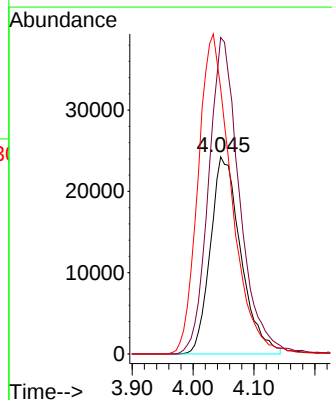
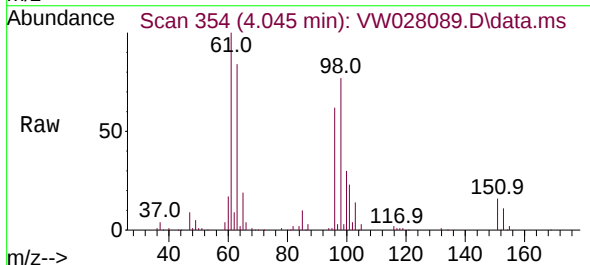
Tgt Ion: 96 Resp: 84166

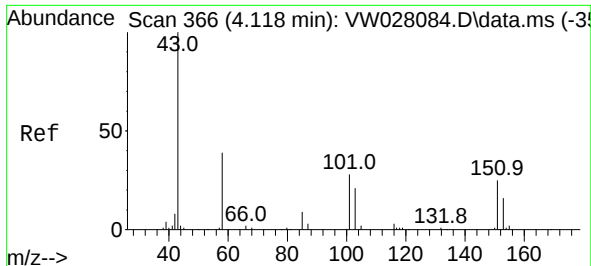
Ion Ratio Lower Upper

96 100

61 160.6 100.5 186.7

63 134.6 72.9 135.5

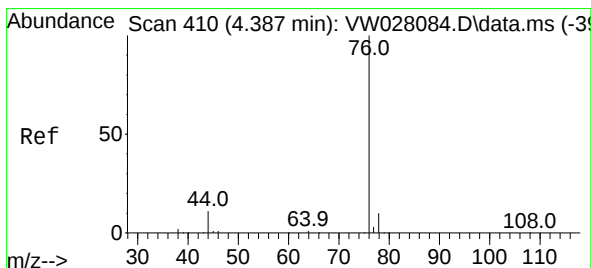
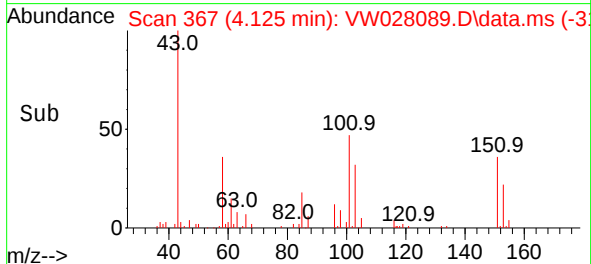
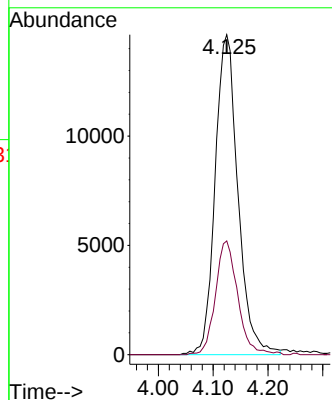
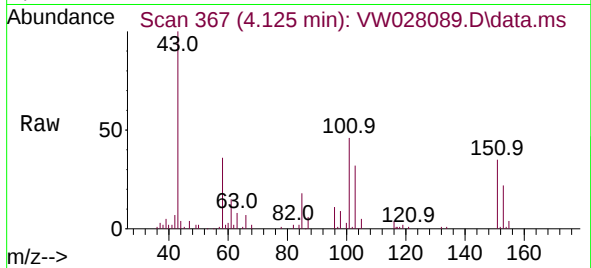




#13
Acetone
Concen: 62.848 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

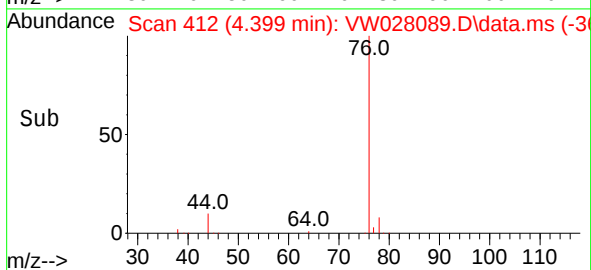
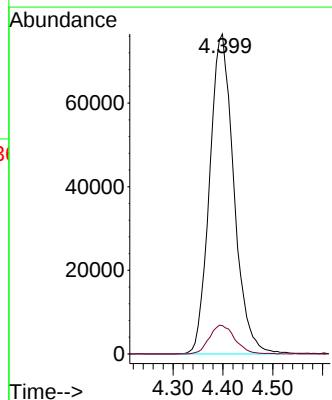
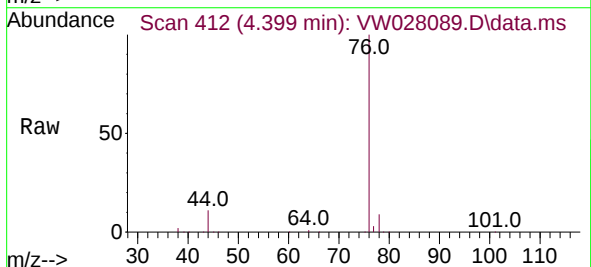
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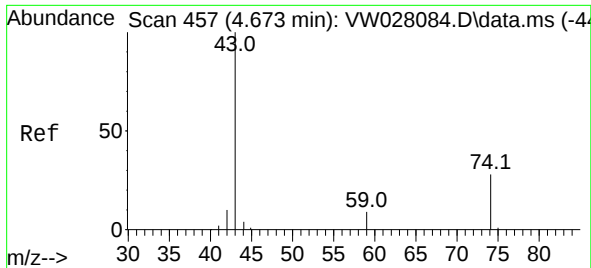
Tgt Ion: 43 Resp: 42353
Ion Ratio Lower Upper
43 100
58 33.1 0.0 70.0



#14
Carbon disulfide
Concen: 24.088 ug/L
RT: 4.399 min Scan# 412
Delta R.T. 0.012 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

Tgt Ion: 76 Resp: 258250
Ion Ratio Lower Upper
76 100
78 8.8 7.9 11.9





#15

Methyl Acetate

Concen: 27.625 ug/L

RT: 4.673 min Scan# 4

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

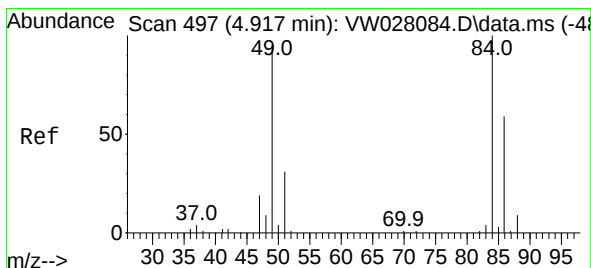
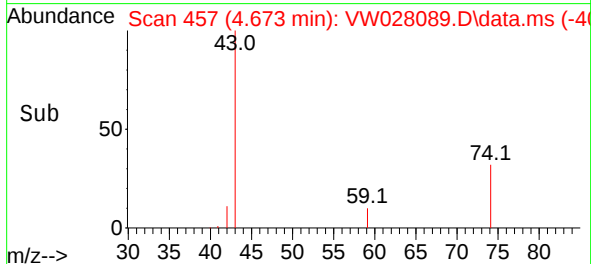
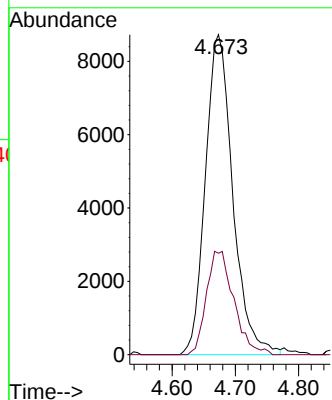
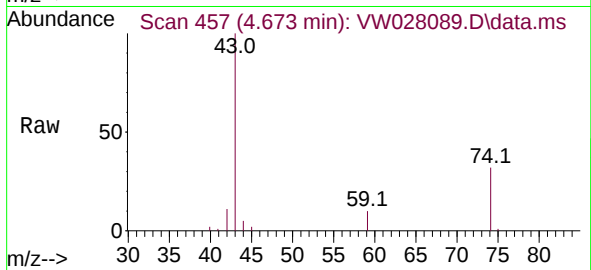
ClientSampleId :

Tgt Ion: 43 Resp: 26312

Ion Ratio Lower Upper

43 100

74 31.9 24.3 36.5



#16

Methylene chloride

Concen: 23.414 ug/L

RT: 4.923 min Scan# 498

Delta R.T. 0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

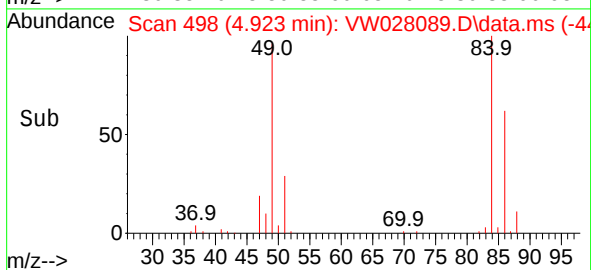
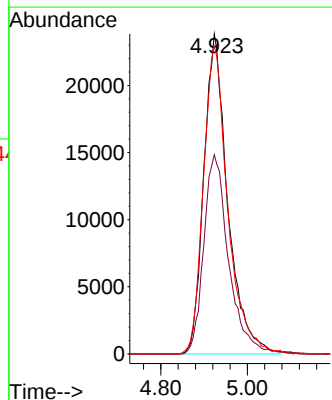
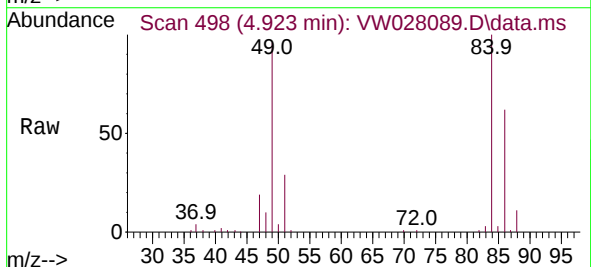
Tgt Ion: 84 Resp: 91191

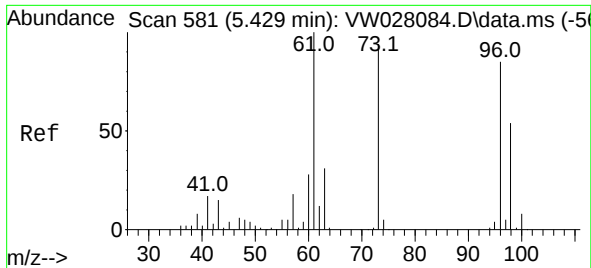
Ion Ratio Lower Upper

84 100

86 62.3 41.2 76.6

49 96.2 66.5 123.5





#17

trans-1,2-Dichloroethene

Concen: 24.546 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

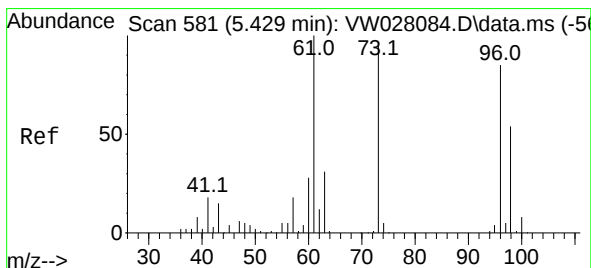
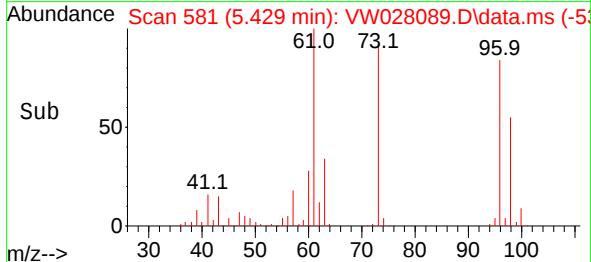
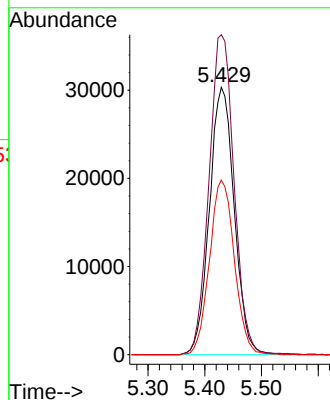
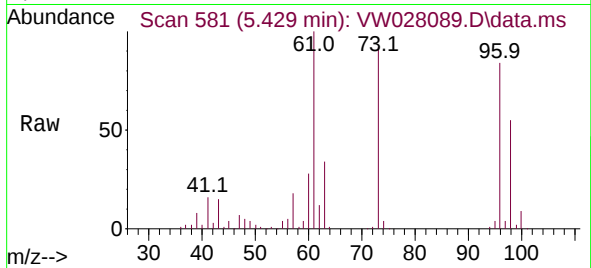
Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 96 Resp: 92311

Ion	Ratio	Lower	Upper
96	100		
61	119.7	82.6	153.4
98	65.4	44.7	83.1



#18

Methyl tert-butyl Ether

Concen: 25.263 ug/L

RT: 5.429 min Scan# 581

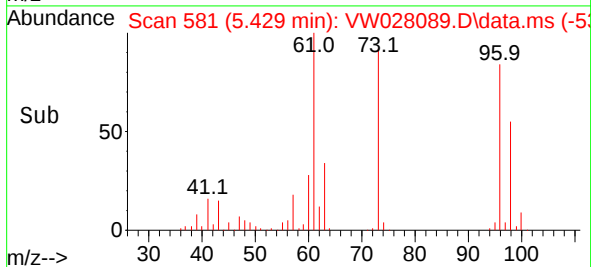
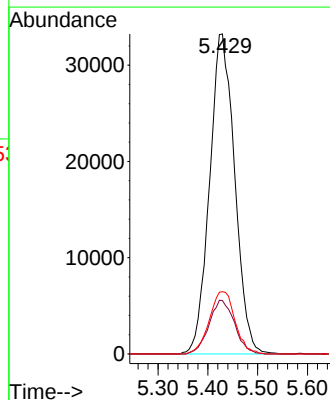
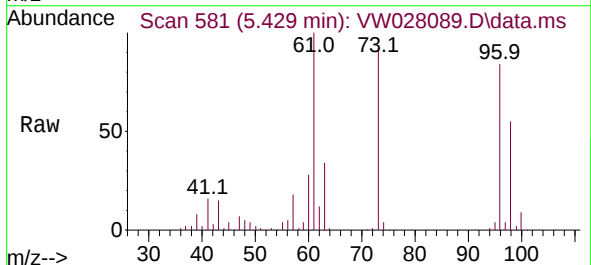
Delta R.T. 0.000 min

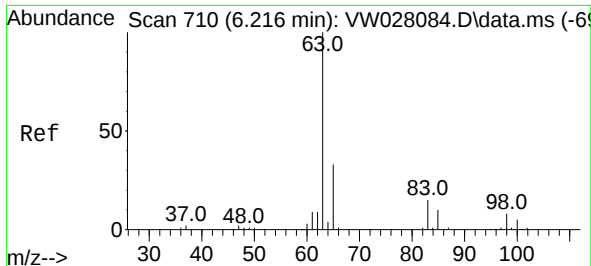
Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Tgt Ion: 73 Resp: 116353

Ion	Ratio	Lower	Upper
73	100		
43	17.0	13.3	19.9
57	20.0	15.9	23.9





#19

1,1-Dichloroethane

Concen: 24.865 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

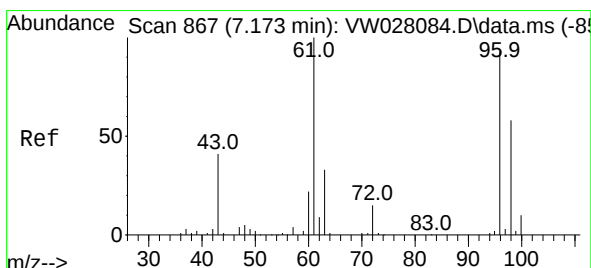
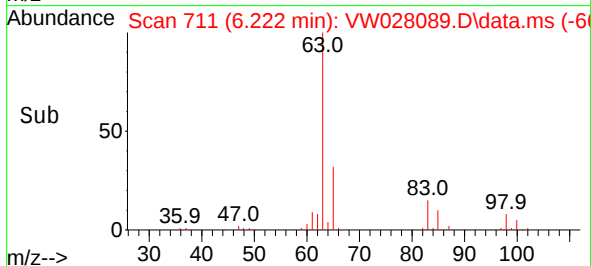
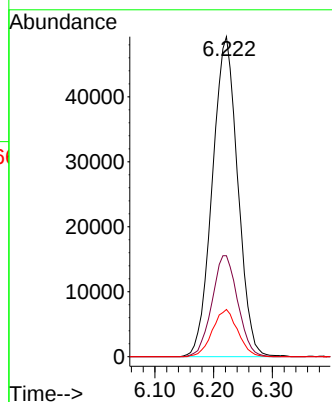
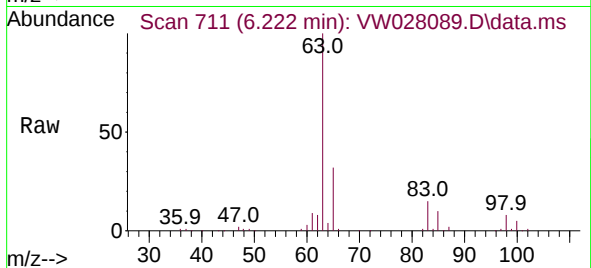
Tgt Ion: 63 Resp: 147856

Ion Ratio Lower Upper

63 100

65 31.6 23.2 43.0

83 14.8 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 24.882 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

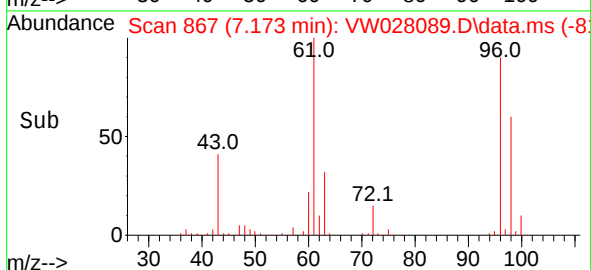
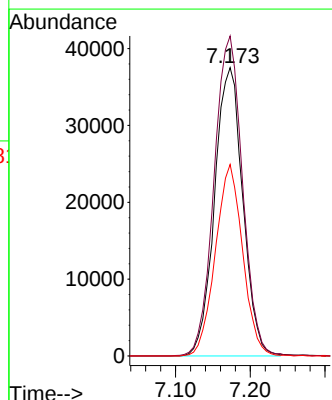
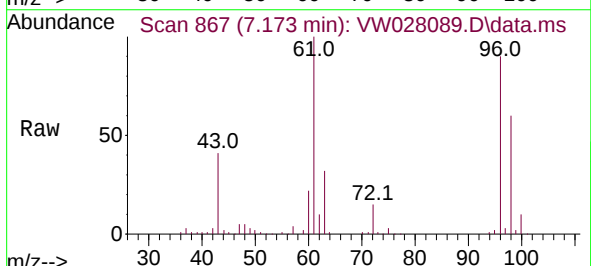
Tgt Ion: 96 Resp: 98477

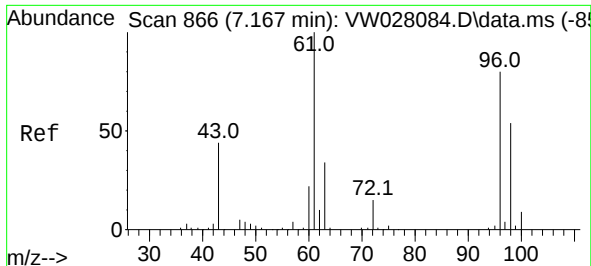
Ion Ratio Lower Upper

96 100

61 111.0 75.5 140.1

98 66.4 43.8 81.4





#22

2-Butanone

Concen: 63.304 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

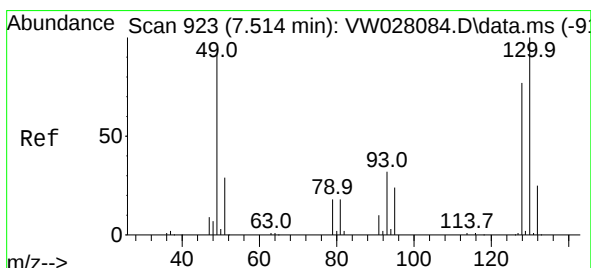
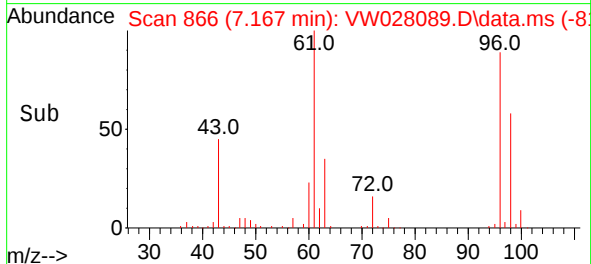
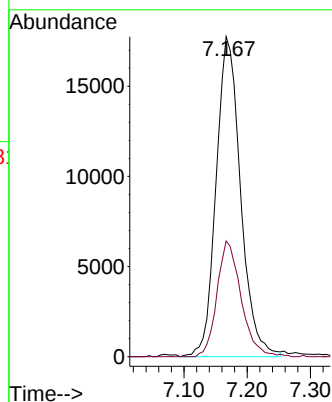
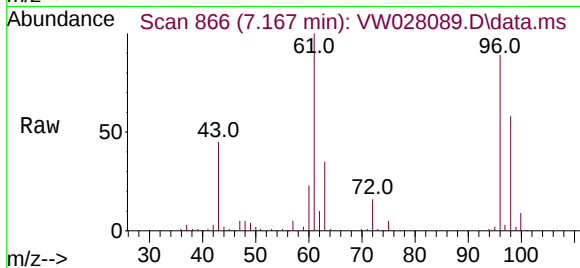
ClientSampleId :

Tgt Ion: 43 Resp: 47644

Ion Ratio Lower Upper

43 100

72 35.6 18.4 55.0



#23

Bromochloromethane

Concen: 24.677 ug/L

RT: 7.514 min Scan# 923

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Tgt Ion: 128 Resp: 45850

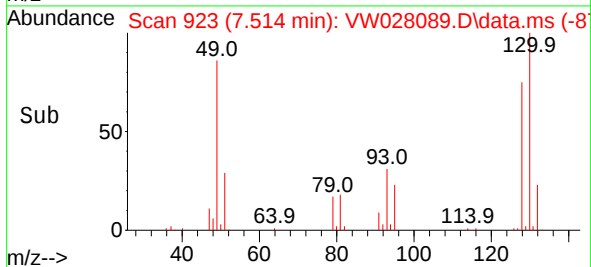
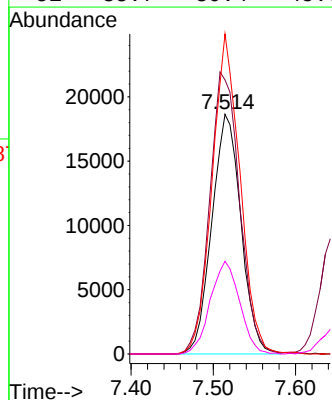
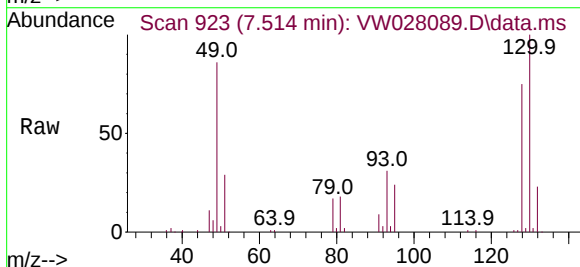
Ion Ratio Lower Upper

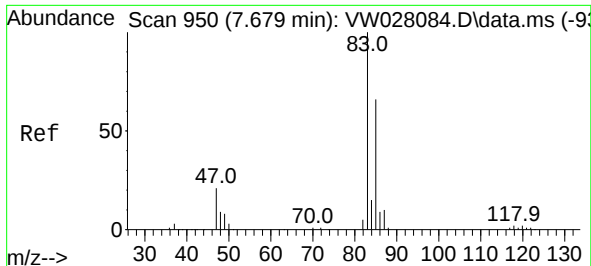
128 100

49 114.3 84.4 156.8

130 133.5 91.1 169.3

51 38.7 30.4 45.6





#25

Chloroform

Concen: 24.459 ug/L

RT: 7.679 min Scan# 950

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

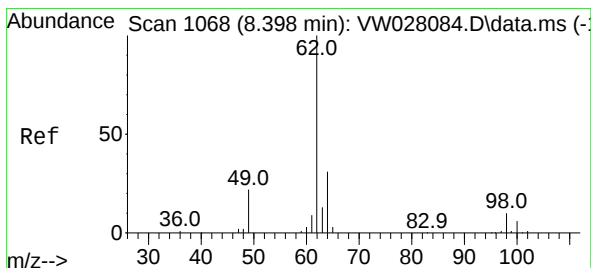
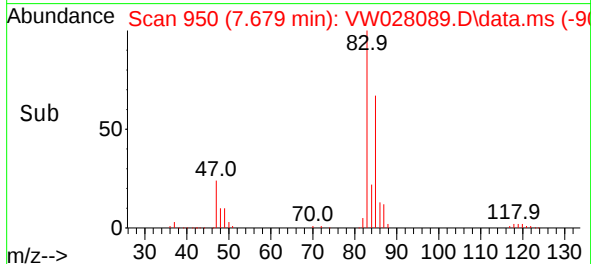
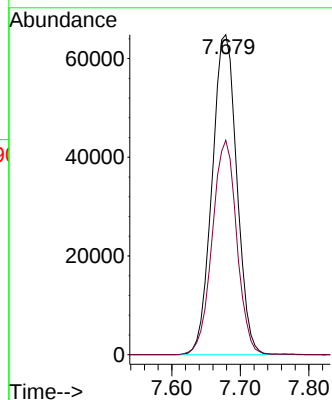
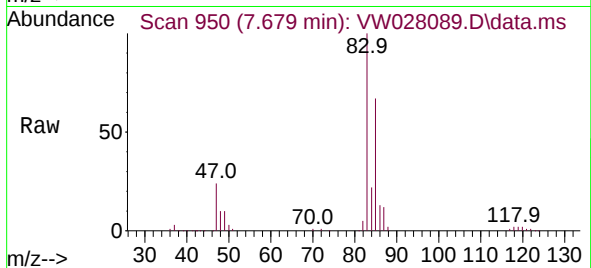
ClientSampleId :

Tgt Ion: 83 Resp: 162451

Ion Ratio Lower Upper

83 100

85 67.0 46.5 86.5



#27

1,2-Dichloroethane

Concen: 25.742 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW028089.D

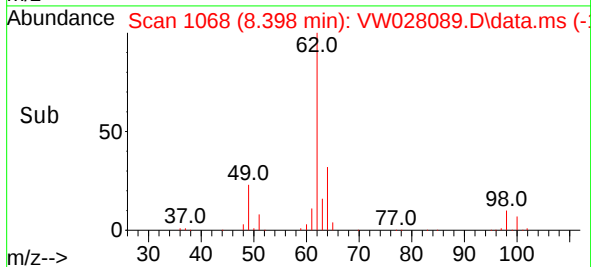
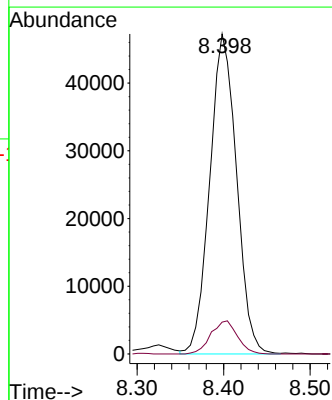
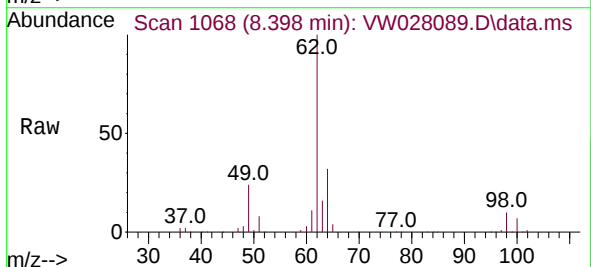
Acq: 05 Mar 2024 09:59

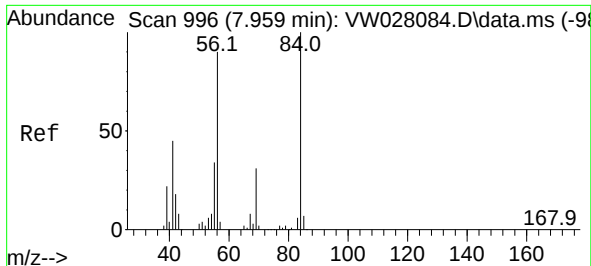
Tgt Ion: 62 Resp: 101668

Ion Ratio Lower Upper

62 100

98 10.0 8.2 12.4





#29

Cyclohexane

Concen: 24.260 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

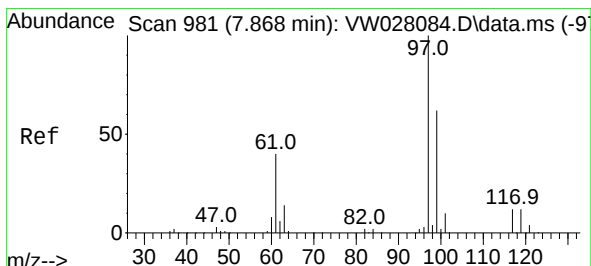
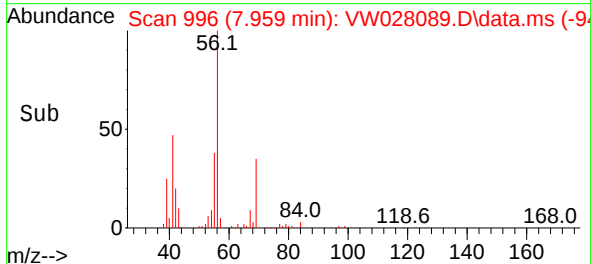
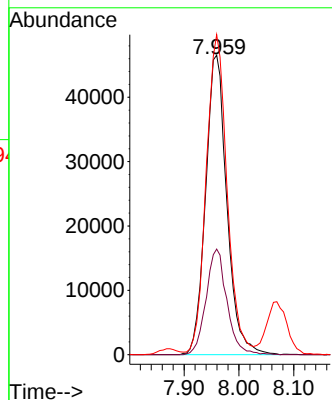
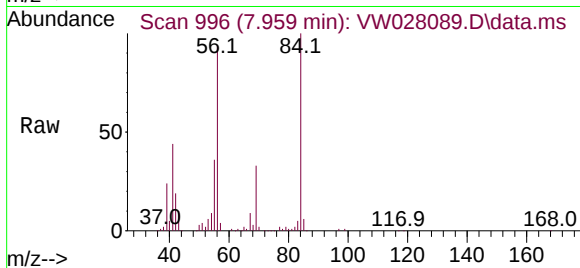
Tgt Ion: 56 Resp: 125349

Ion Ratio Lower Upper

56 100

69 34.3 27.6 41.4

84 105.2 86.6 129.8



#30

1,1,1-Trichloroethane

Concen: 24.079 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

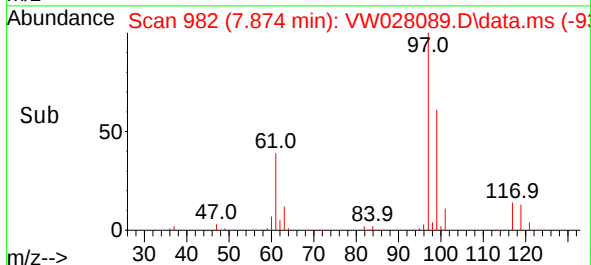
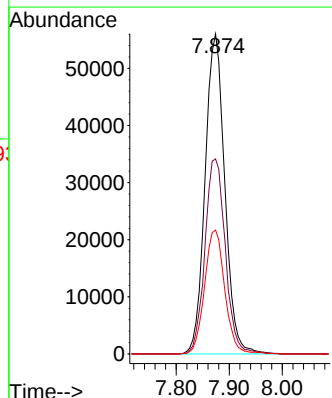
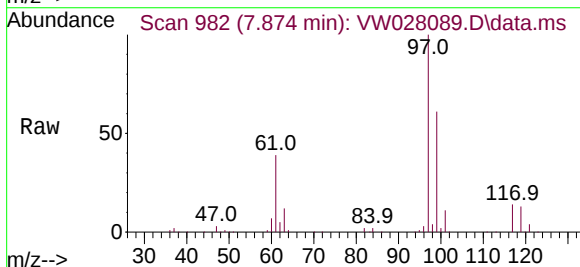
Tgt Ion: 97 Resp: 144456

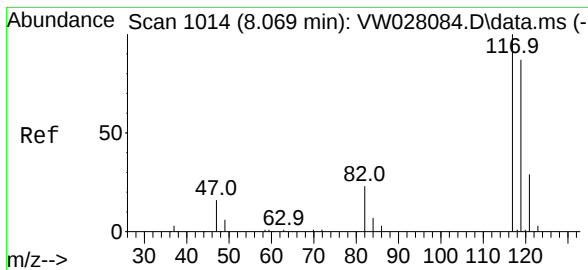
Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

61 39.2 31.8 47.6

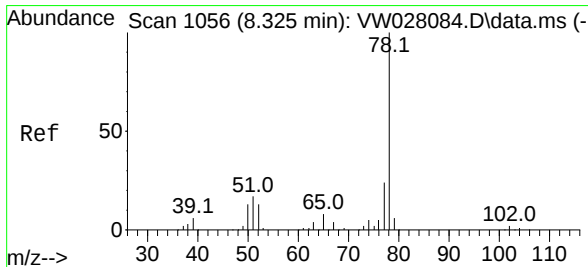
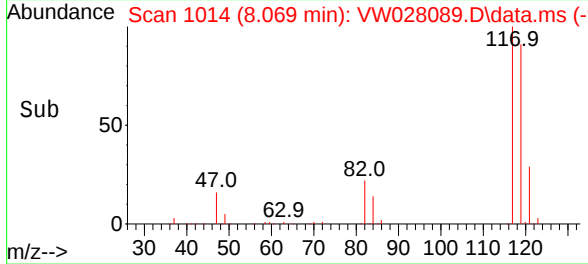
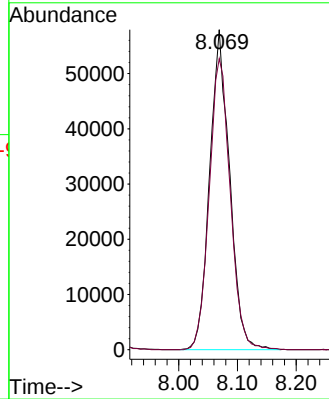
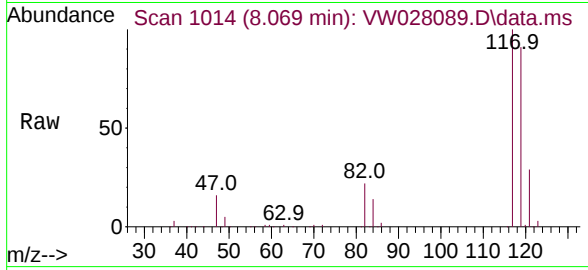




#31
Carbon tetrachloride
Concen: 24.386 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

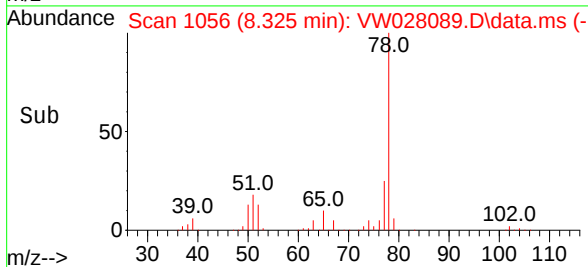
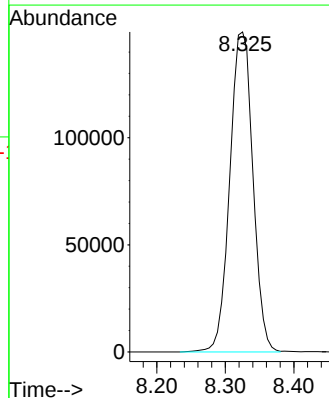
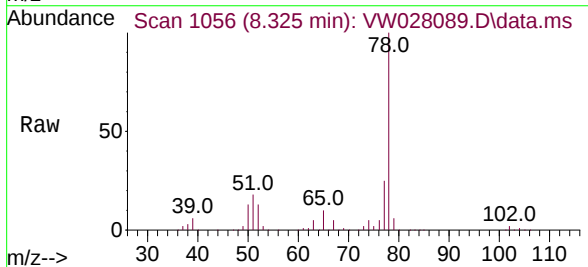
Instrument :
MSVOA_W
ClientSampleId :

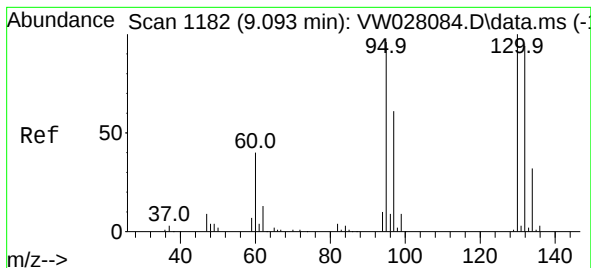
Tgt Ion:117 Resp: 136613
Ion Ratio Lower Upper
117 100
119 95.8 76.8 115.2



#33
Benzene
Concen: 24.106 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

Tgt Ion: 78 Resp: 349915





#34

Trichloroethene

Concen: 23.605 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 95 Resp: 100395

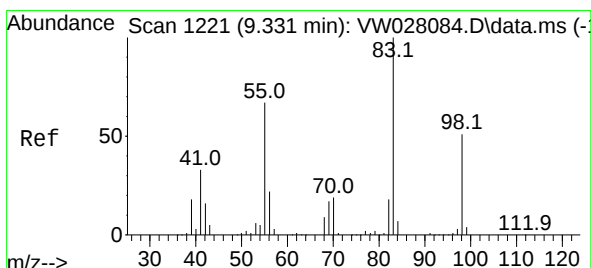
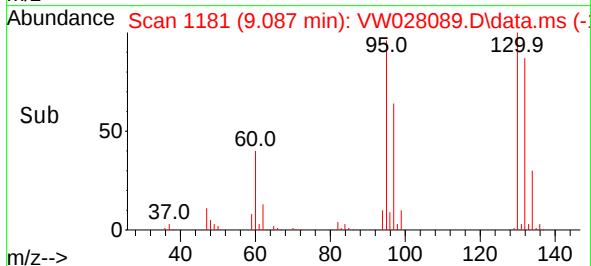
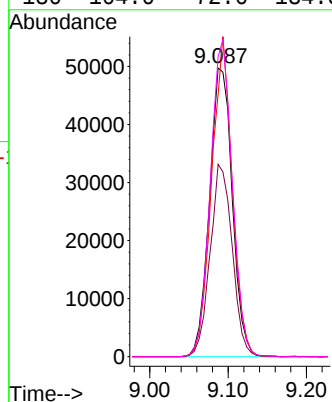
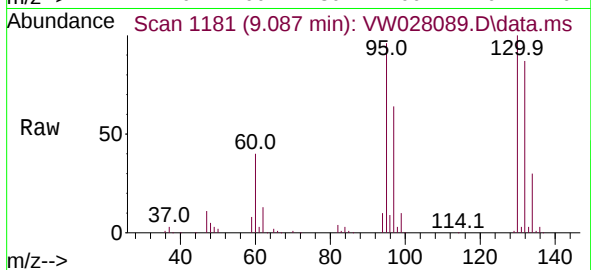
Ion Ratio Lower Upper

95 100

97 66.6 44.5 82.7

132 90.9 68.3 126.9

130 104.0 72.6 134.8



#35

Methylcyclohexane

Concen: 24.452 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

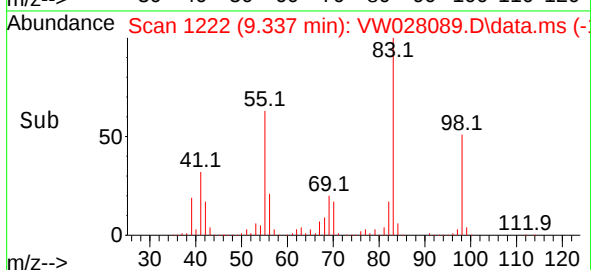
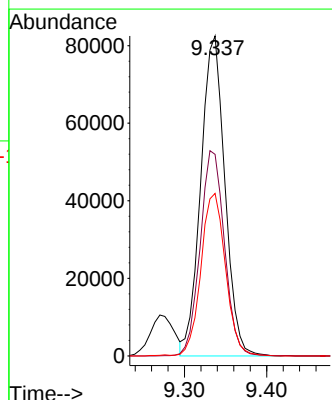
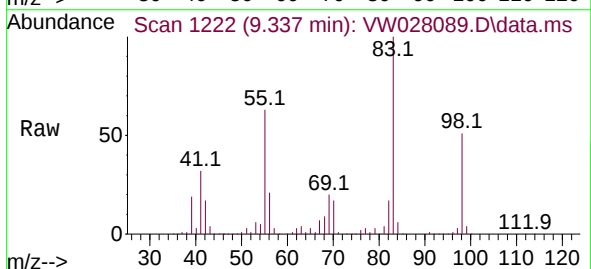
Tgt Ion: 83 Resp: 168318

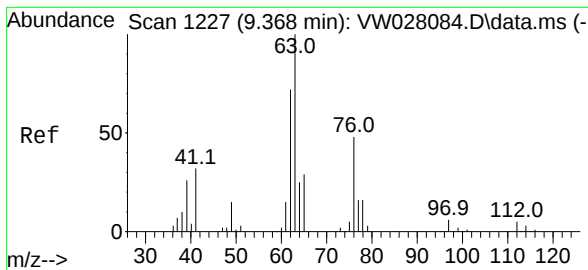
Ion Ratio Lower Upper

83 100

55 64.6 52.1 78.1

98 51.8 42.2 63.4

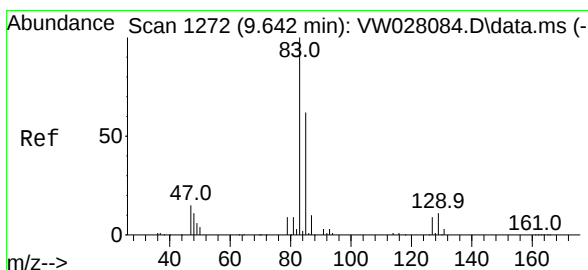
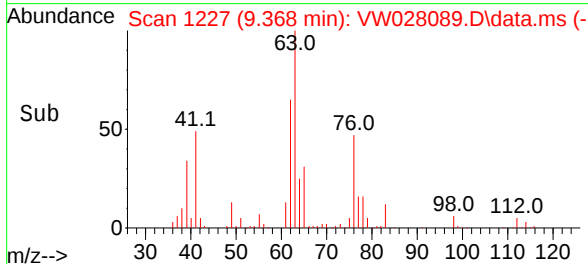
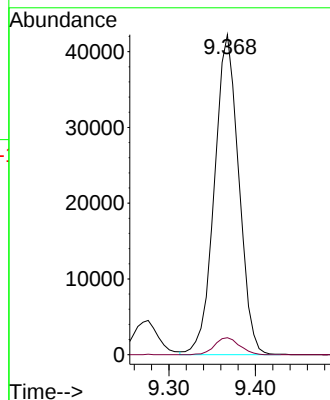
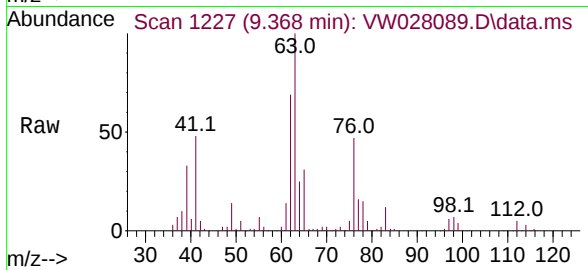




#37
1,2-Dichloropropane
Concen: 24.423 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

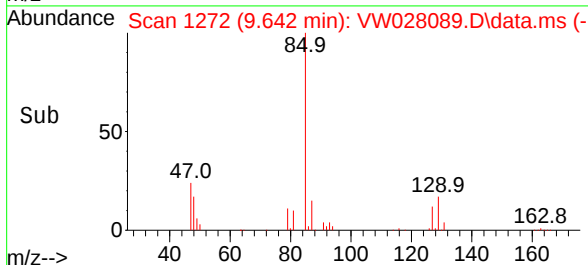
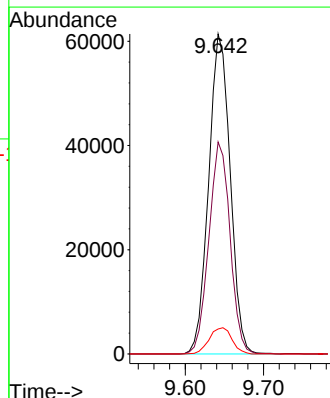
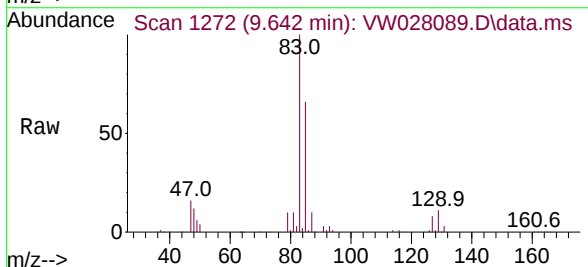
Instrument :
MSVOA_W
ClientSampleId :

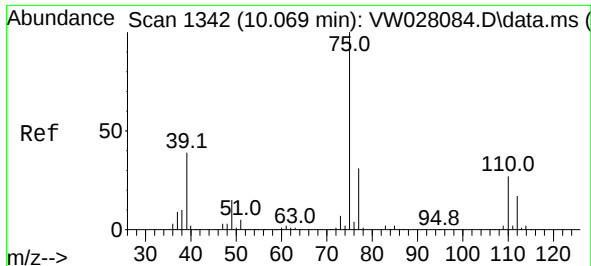
Tgt Ion: 63 Resp: 82558
Ion Ratio Lower Upper
63 100
112 5.4 4.4 6.6



#38
Bromodichloromethane
Concen: 24.000 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

Tgt Ion: 83 Resp: 117185
Ion Ratio Lower Upper
83 100
85 66.2 43.3 80.5
127 7.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 25.343 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

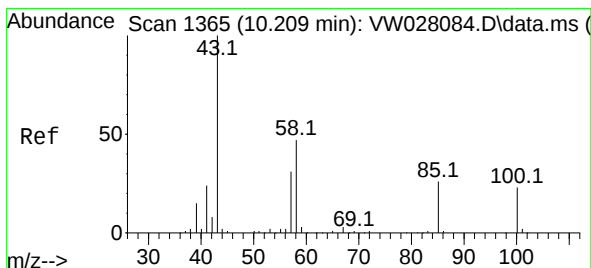
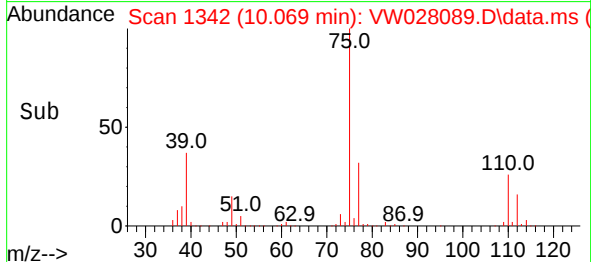
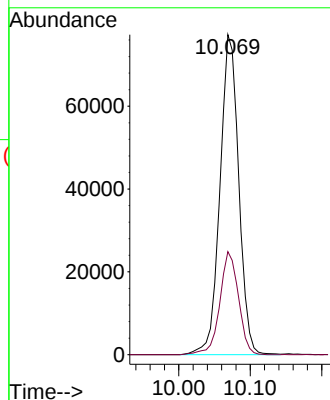
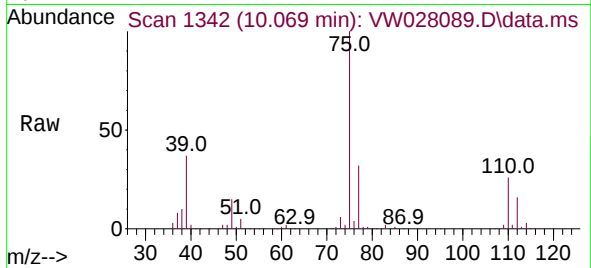
ClientSampleId :

Tgt Ion: 75 Resp: 140880

Ion Ratio Lower Upper

75 100

77 32.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 55.416 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

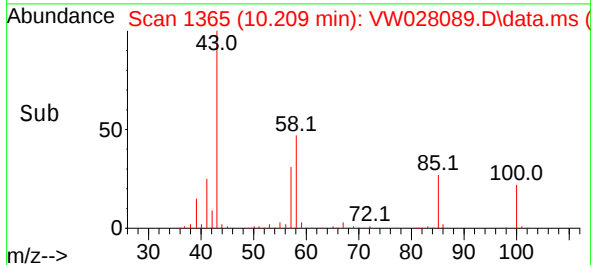
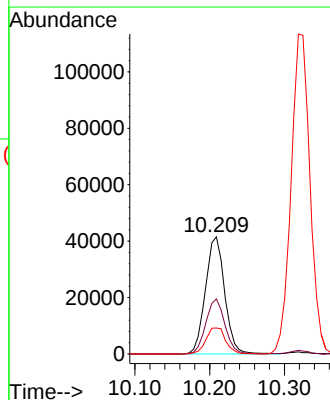
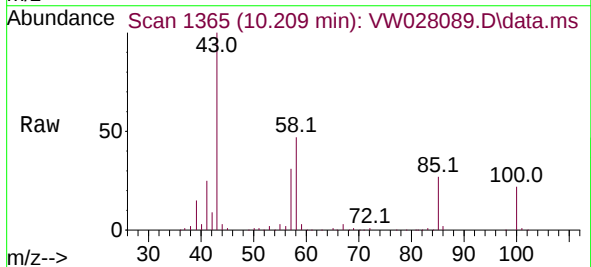
Tgt Ion: 43 Resp: 74403

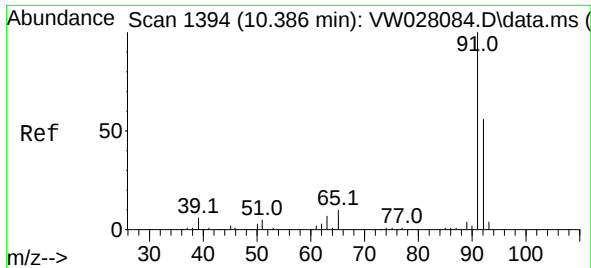
Ion Ratio Lower Upper

43 100

58 46.5 37.8 56.8

100 22.9 18.2 27.4

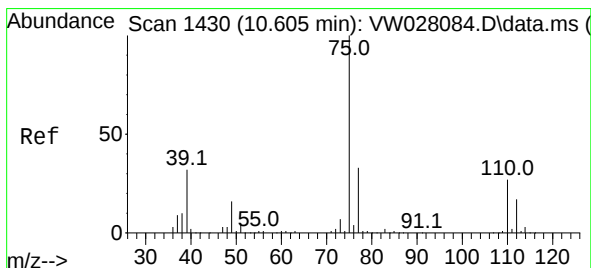
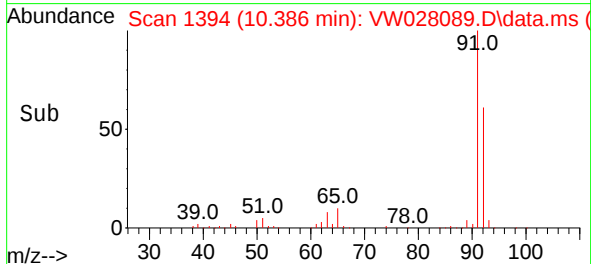
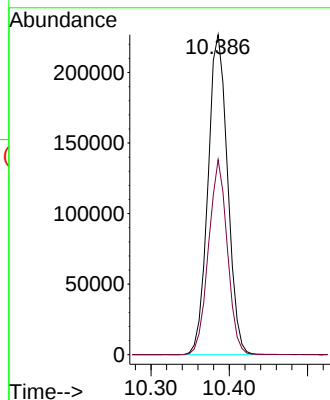
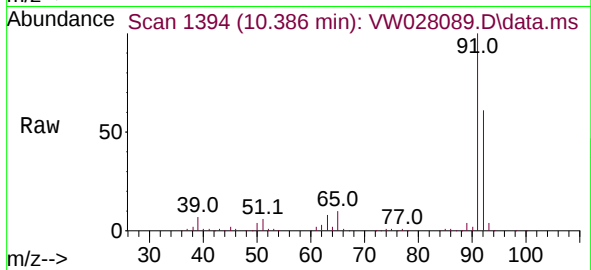




#42
Toluene
Concen: 24.020 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

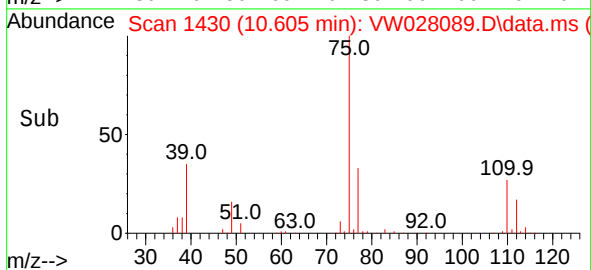
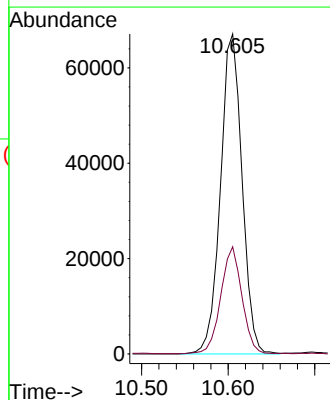
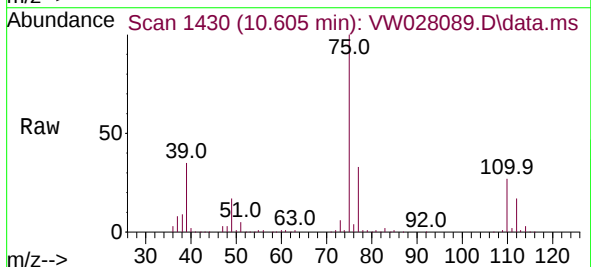
Instrument :
MSVOA_W
ClientSampleId :

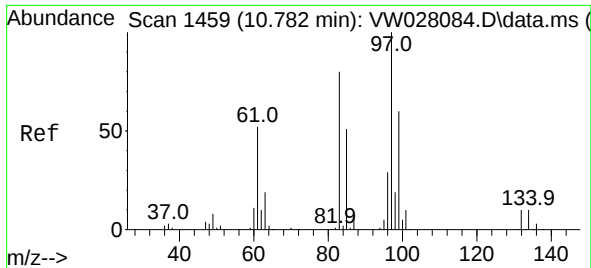
Tgt Ion: 91 Resp: 393966
Ion Ratio Lower Upper
91 100
92 60.9 39.0 72.4



#44
trans-1,3-Dichloropropene
Concen: 25.707 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

Tgt Ion: 75 Resp: 116089
Ion Ratio Lower Upper
75 100
77 33.5 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 24.217 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 68656

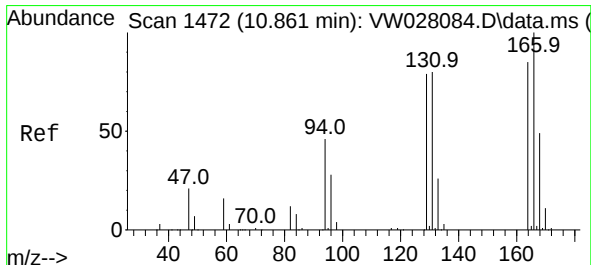
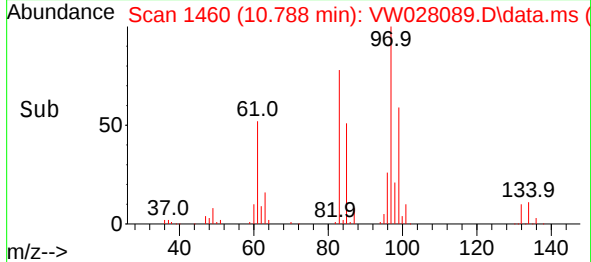
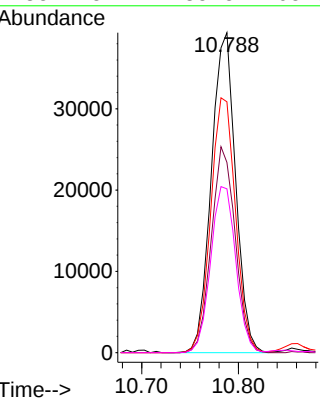
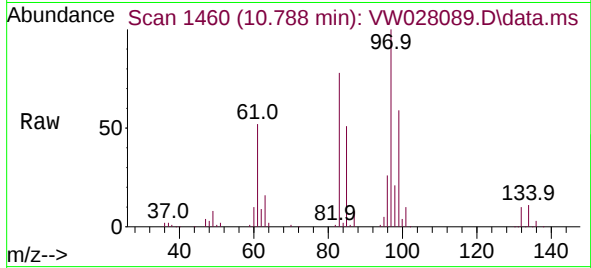
Ion Ratio Lower Upper

97 100

99 59.5 41.9 77.7

83 78.4 56.1 104.1

85 51.2 35.5 65.9



#46

Tetrachloroethene

Concen: 22.996 ug/L

RT: 10.855 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Tgt Ion:164 Resp: 81970

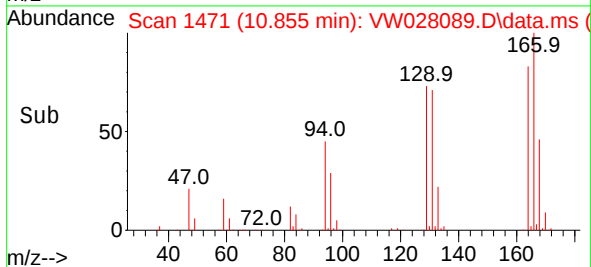
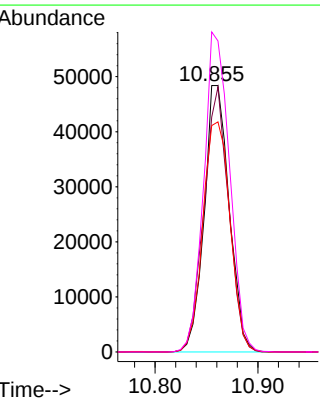
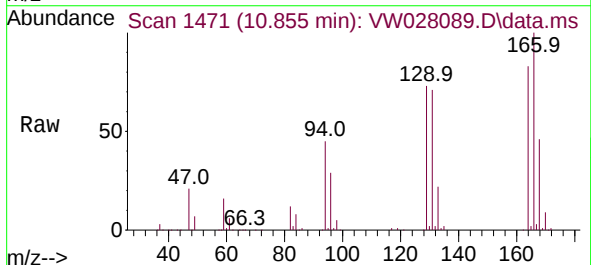
Ion Ratio Lower Upper

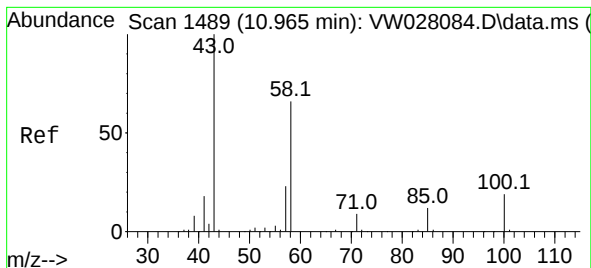
164 100

129 88.1 65.2 121.0

131 85.0 66.2 123.0

166 120.1 82.8 153.8





#48

2-Hexanone

Concen: 62.413 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 67756

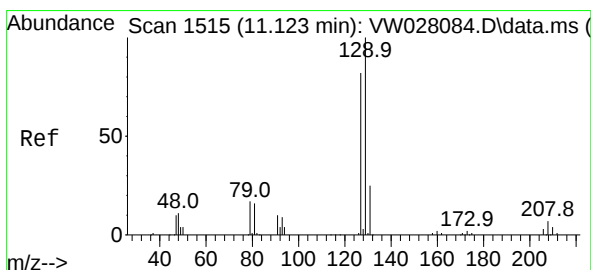
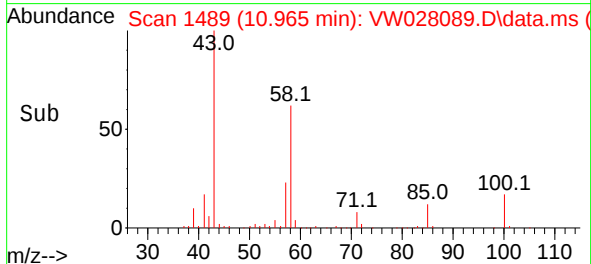
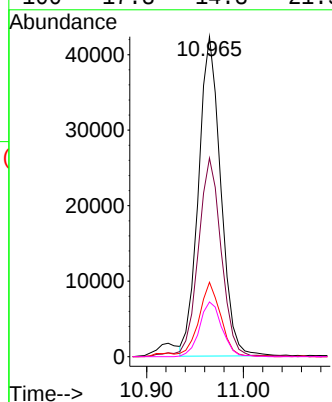
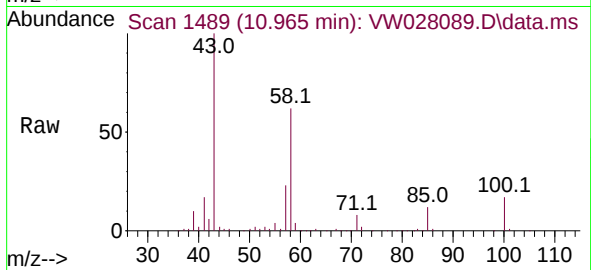
Ion Ratio Lower Upper

43 100

58 63.5 51.8 77.8

57 22.9 18.2 27.4

100 17.3 14.3 21.5



#49

Dibromochloromethane

Concen: 24.653 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. 0.000 min

Lab File: VW028089.D

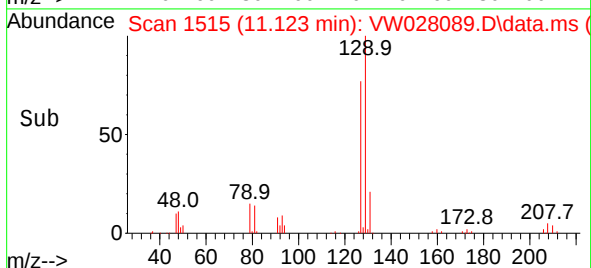
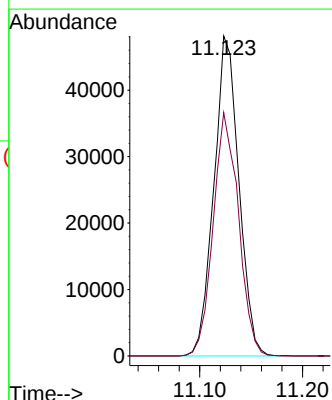
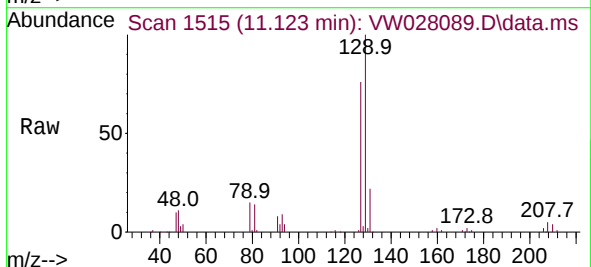
Acq: 05 Mar 2024 09:59

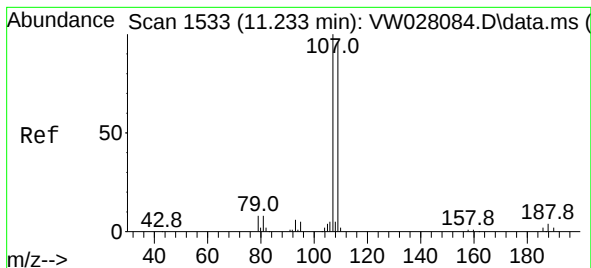
Tgt Ion:129 Resp: 81249

Ion Ratio Lower Upper

129 100

127 76.1 57.1 106.1





#50

1,2-Dibromoethane

Concen: 25.061 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW028089.D

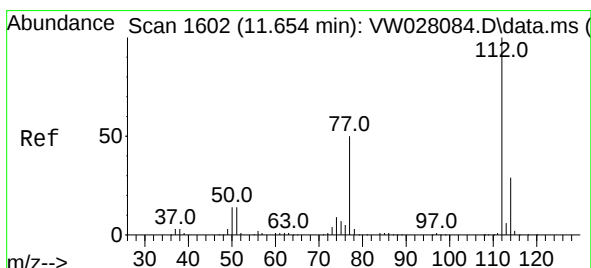
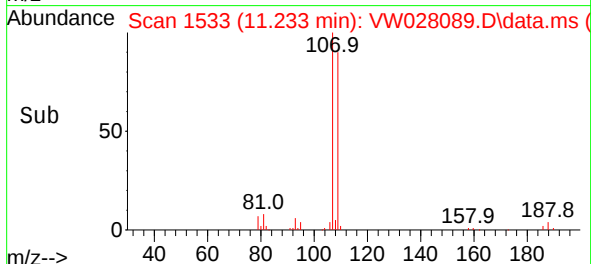
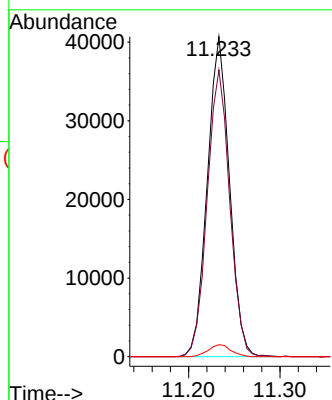
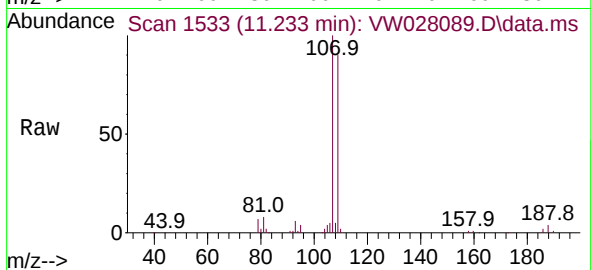
Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:107	Resp:	68430
Ion Ratio	Lower	Upper
107	100	
109	89.6	67.5 125.3
188	3.8	3.1 4.7



#51

Chlorobenzene

Concen: 23.145 ug/L

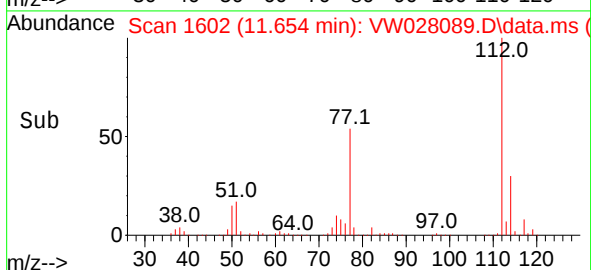
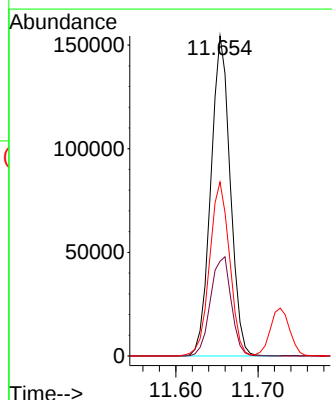
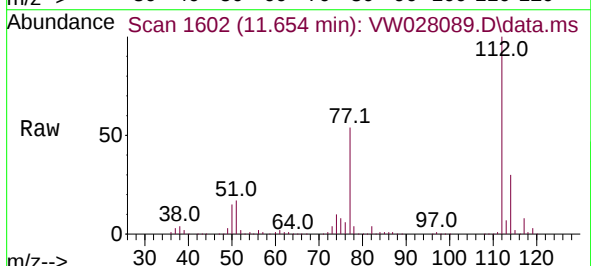
RT: 11.654 min Scan# 1602

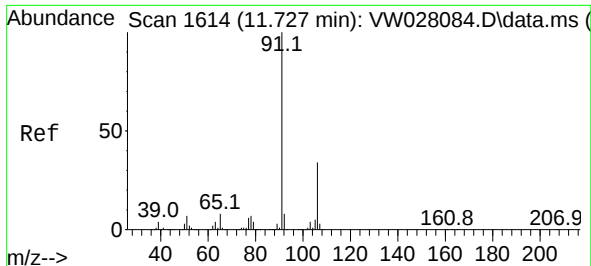
Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Tgt Ion:112	Resp:	253299
Ion Ratio	Lower	Upper
112	100	
114	29.6	20.6 38.4
77	54.4	40.0 60.0





#52

Ethylbenzene

Concen: 23.690 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

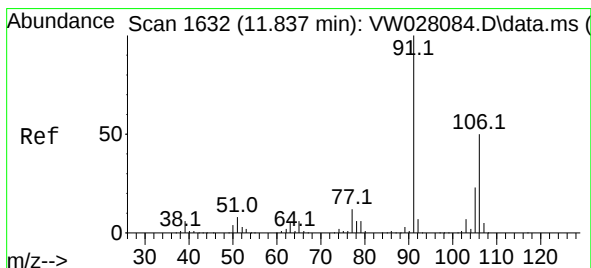
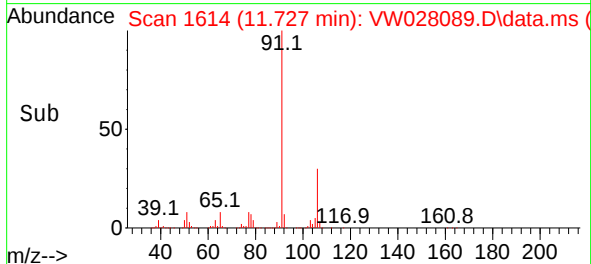
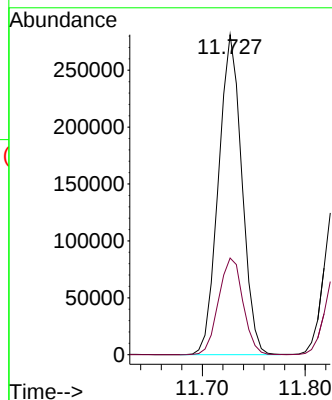
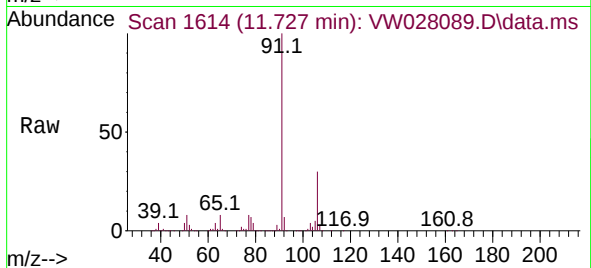
ClientSampleId :

Tgt Ion: 91 Resp: 444245

Ion Ratio Lower Upper

91 100

106 30.2 23.8 44.2



#53

m,p-Xylene

Concen: 24.537 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW028089.D

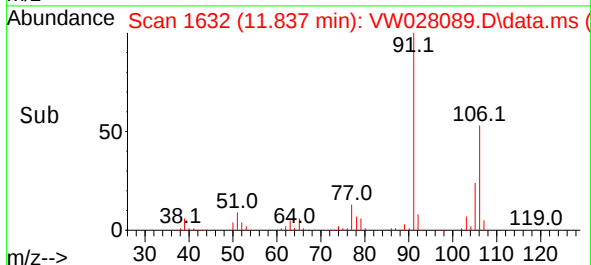
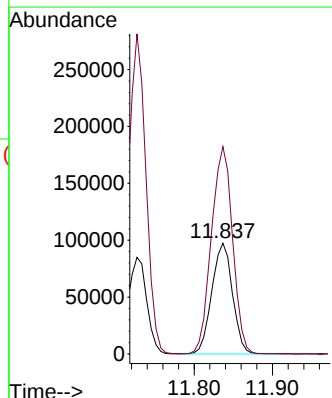
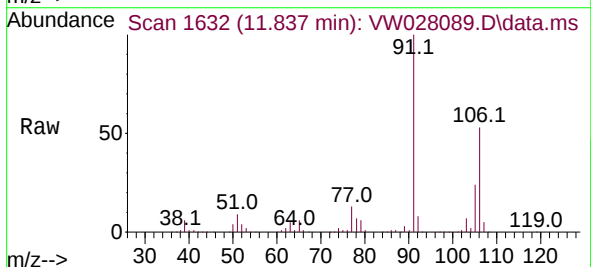
Acq: 05 Mar 2024 09:59

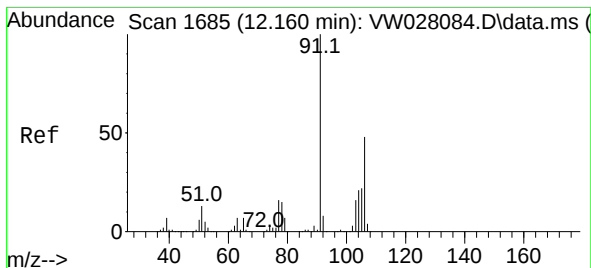
Tgt Ion:106 Resp: 178527

Ion Ratio Lower Upper

106 100

91 187.2 139.7 259.4





#54

o-Xylene

Concen: 24.231 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

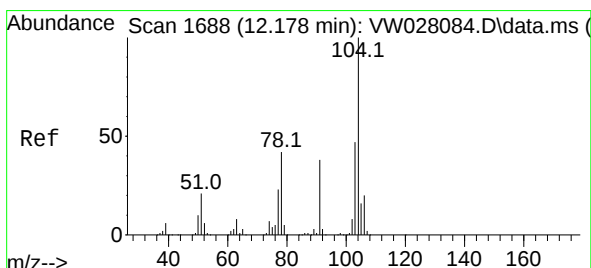
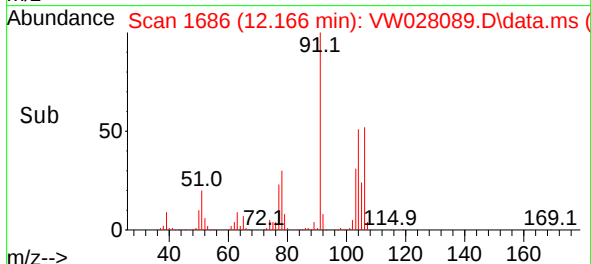
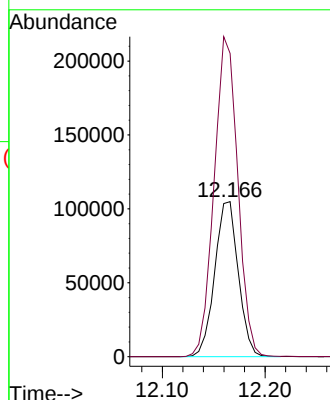
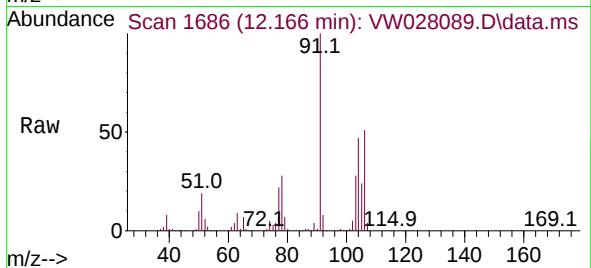
ClientSampleId :

Tgt Ion:106 Resp: 166847

Ion Ratio Lower Upper

106 100

91 195.5 145.2 269.6



#55

Styrene

Concen: 24.152 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW028089.D

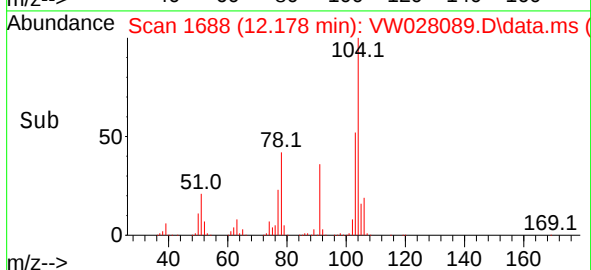
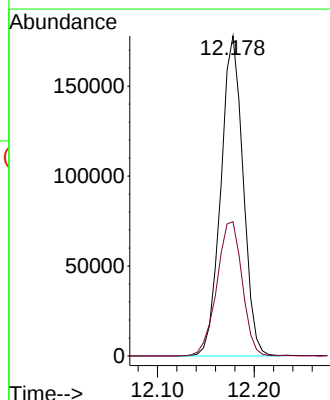
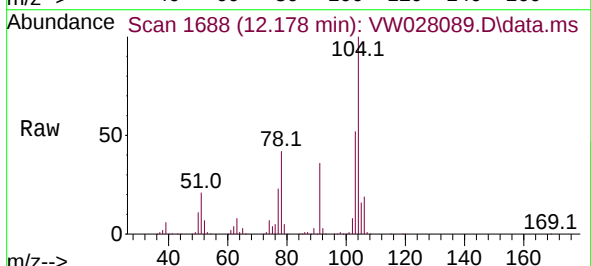
Acq: 05 Mar 2024 09:59

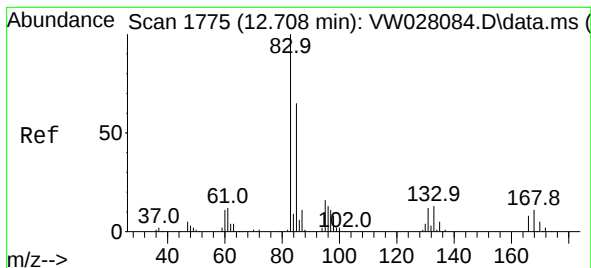
Tgt Ion:104 Resp: 283626

Ion Ratio Lower Upper

104 100

78 41.9 29.1 54.1

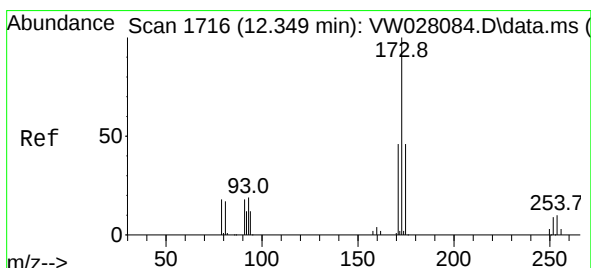
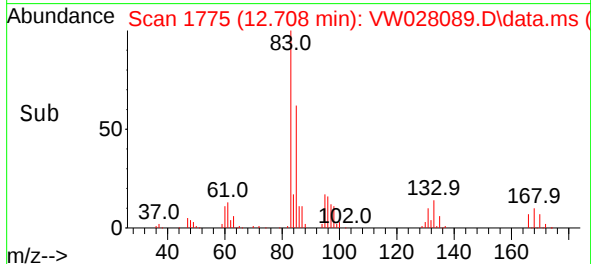
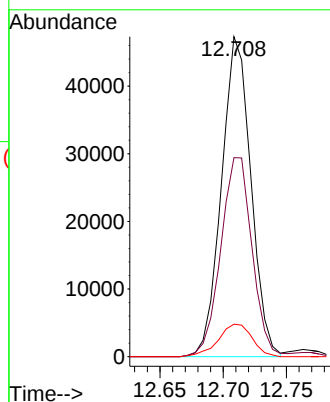
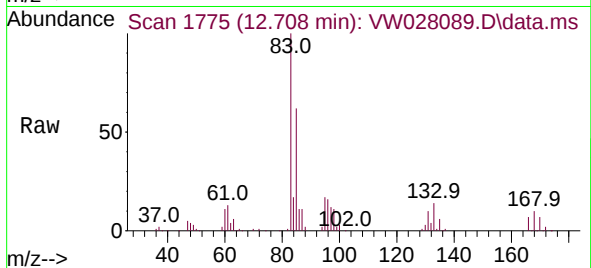




#57
1,1,2,2-Tetrachloroethane
Concen: 25.004 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

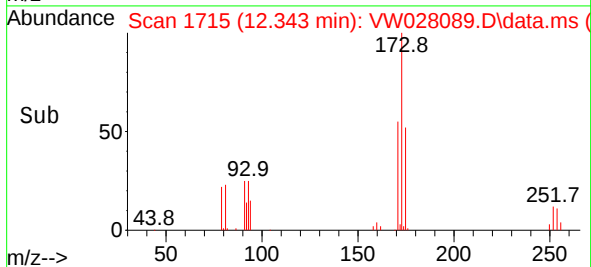
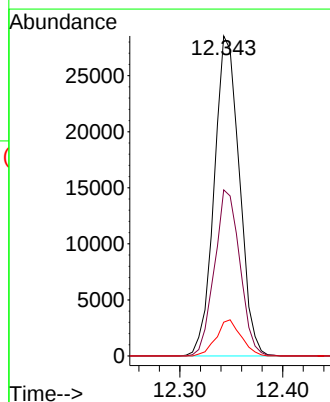
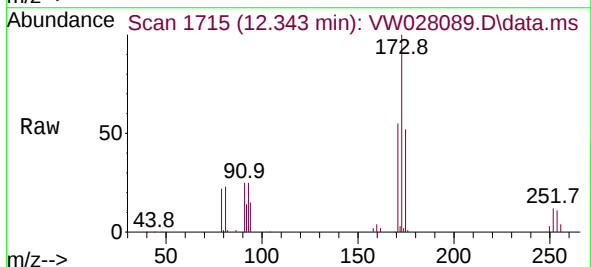
Instrument :
MSVOA_W
ClientSampleId :

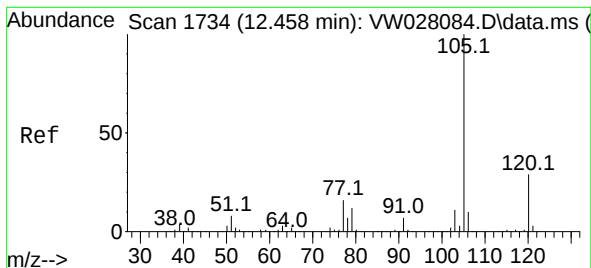
Tgt Ion: 83 Resp: 76432
Ion Ratio Lower Upper
83 100
85 62.2 45.7 84.9
131 10.2 9.7 14.5



#59
Bromoform
Concen: 24.393 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

Tgt Ion:173 Resp: 48535
Ion Ratio Lower Upper
173 100
175 52.2 37.2 55.8
254 11.1 8.5 12.7





#60

Isopropylbenzene

Concen: 23.862 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

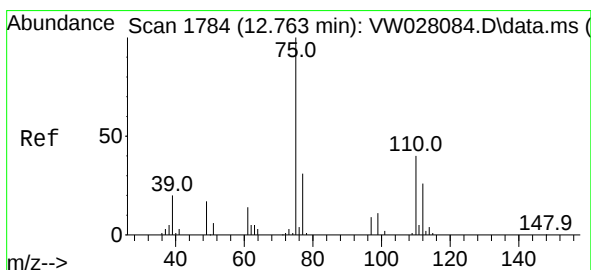
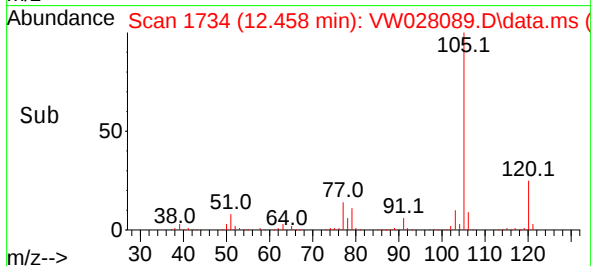
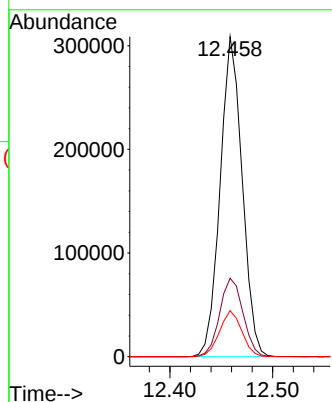
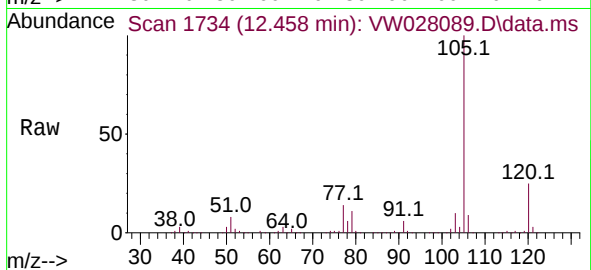
Tgt Ion:105 Resp: 459461

Ion Ratio Lower Upper

105 100

120 26.0 22.2 33.2

77 14.5 11.8 17.6



#61

1,2,3-Trichloropropane

Concen: 24.579 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

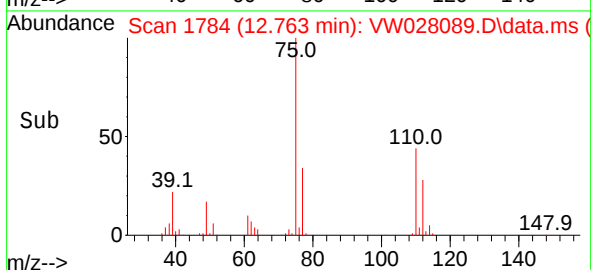
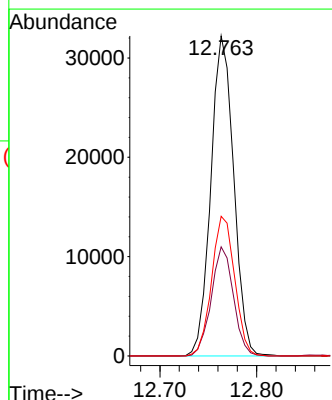
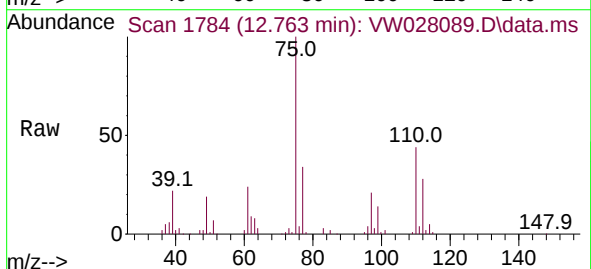
Tgt Ion: 75 Resp: 53029

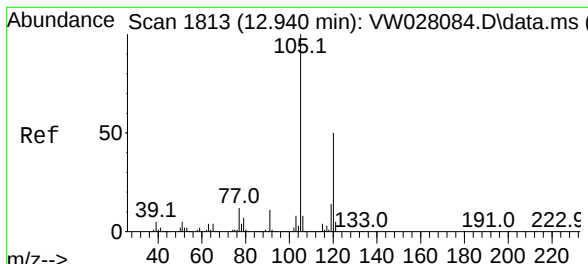
Ion Ratio Lower Upper

75 100

77 32.9 25.9 38.9

110 44.0 34.1 51.1

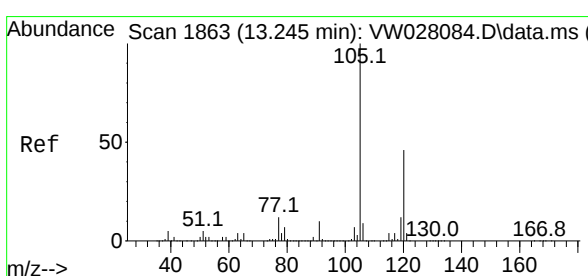
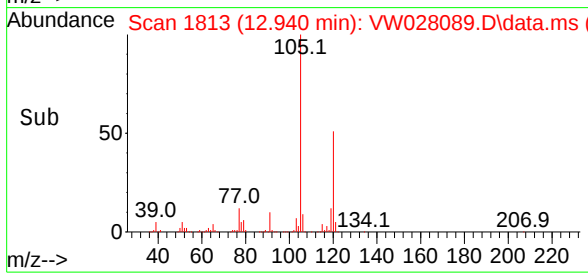
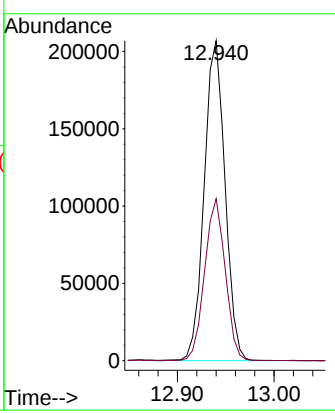
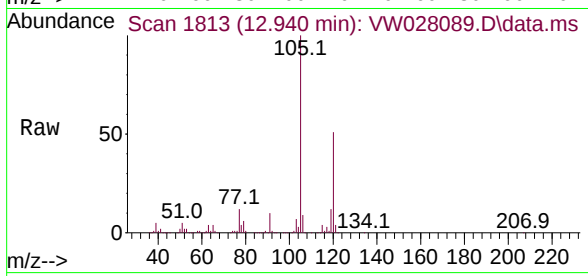




#62
 1,3,5-Trimethylbenzene
 Concen: 24.527 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: VW028089.D
 Acq: 05 Mar 2024 09:59

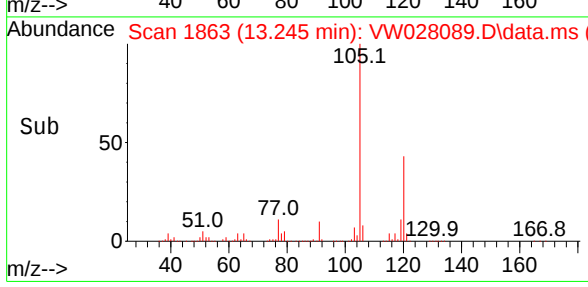
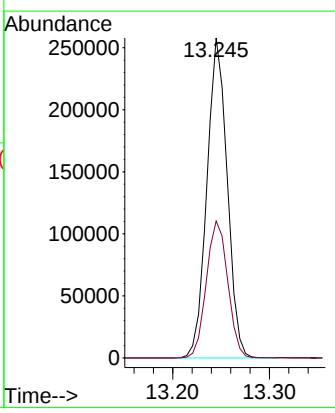
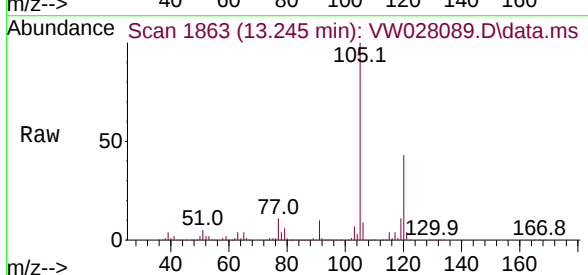
Instrument :
 MSVOA_W
 ClientSampleId :

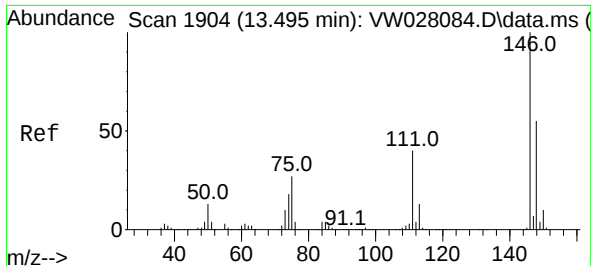
Tgt Ion:105 Resp: 309635
 Ion Ratio Lower Upper
 105 100
 120 50.1 38.6 58.0



#63
 1,2,4-Trimethylbenzene
 Concen: 24.947 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW028089.D
 Acq: 05 Mar 2024 09:59

Tgt Ion:105 Resp: 375561
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.4 54.6





#64

1,3-Dichlorobenzene

Concen: 23.786 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

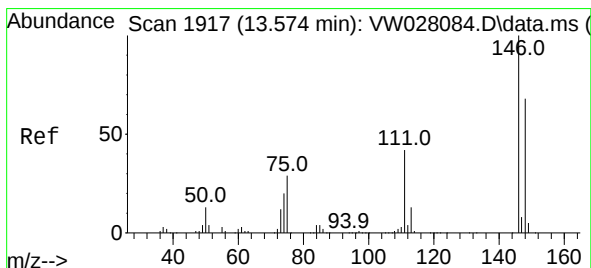
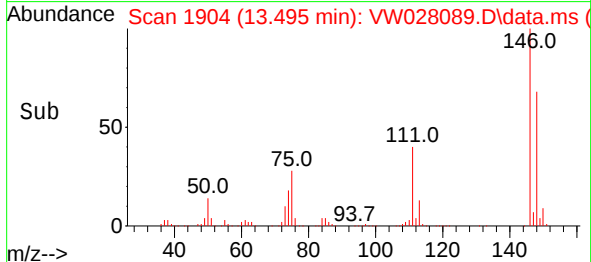
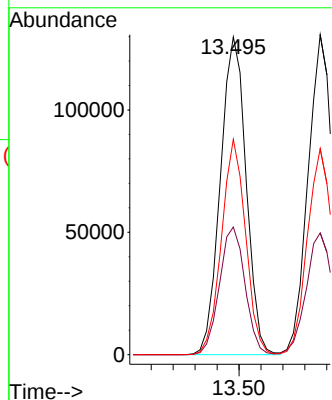
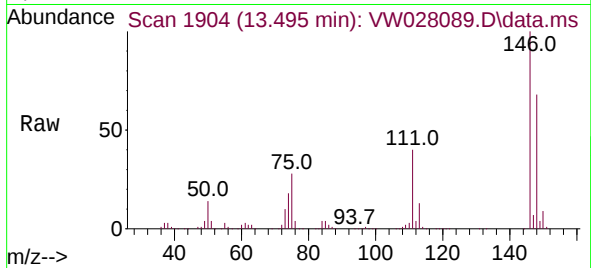
Tgt Ion:146 Resp: 211667

Ion Ratio Lower Upper

146 100

111 40.2 27.9 51.9

148 67.8 38.7 71.9



#65

1,4-Dichlorobenzene

Concen: 22.934 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

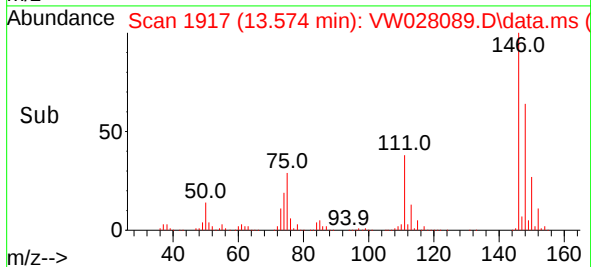
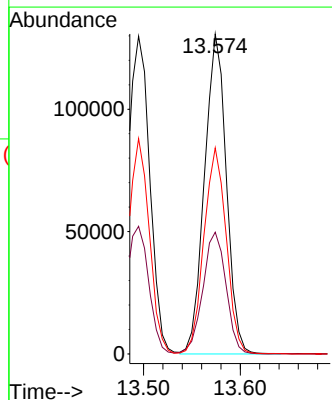
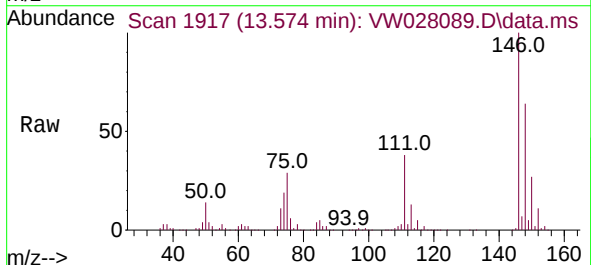
Tgt Ion:146 Resp: 206033

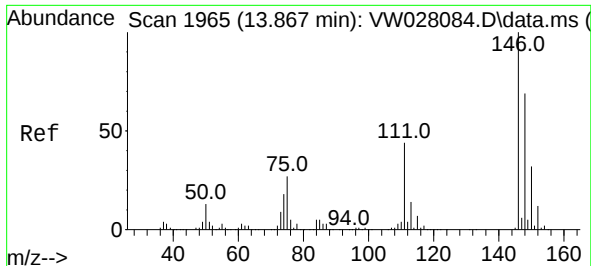
Ion Ratio Lower Upper

146 100

111 38.0 29.3 54.5

148 64.4 47.5 88.1

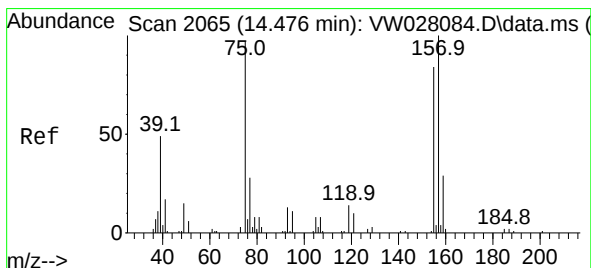
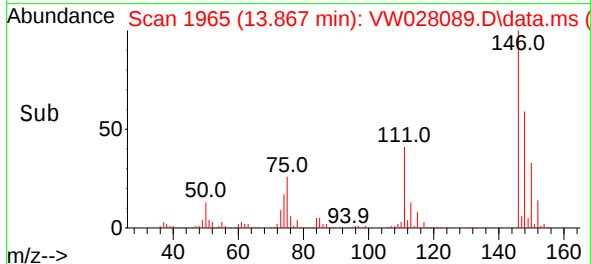
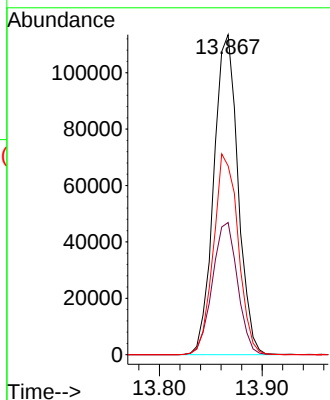
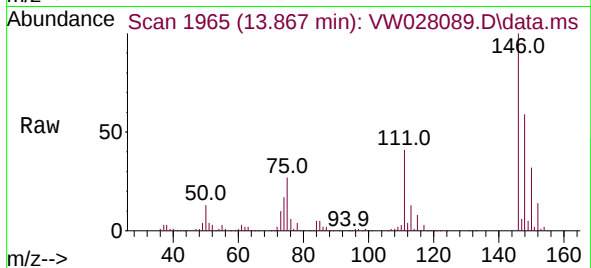




#67
1,2-Dichlorobenzene
Concen: 23.181 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

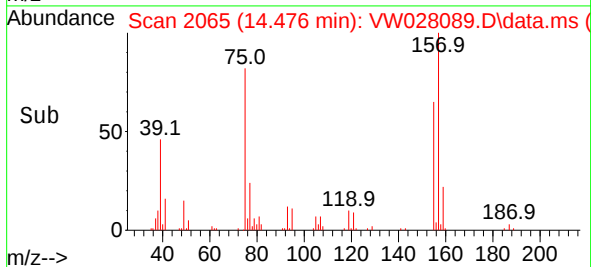
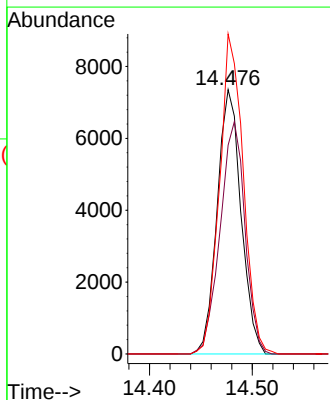
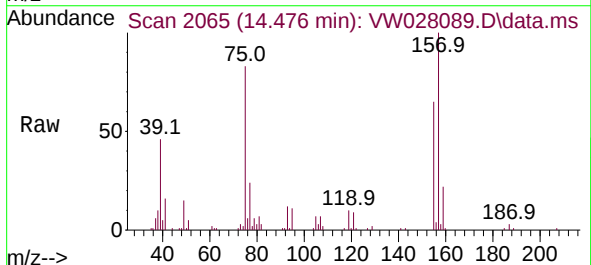
Instrument :
MSVOA_W
ClientSampleId :

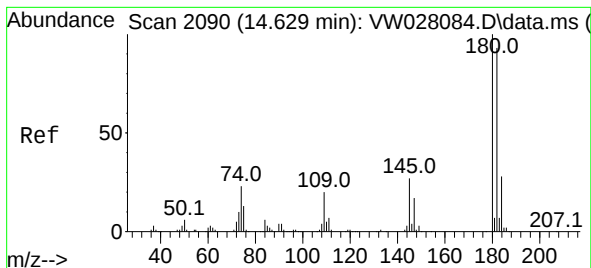
Tgt Ion:146 Resp: 185817
Ion Ratio Lower Upper
146 100
111 41.3 35.4 53.0
148 59.0 55.4 83.2



#68
1,2-Dibromo-3-chloropropane
Concen: 26.168 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. 0.000 min
Lab File: VW028089.D
Acq: 05 Mar 2024 09:59

Tgt Ion: 75 Resp: 11858
Ion Ratio Lower Upper
75 100
155 79.0 69.3 103.9
157 121.1 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 22.928 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 150571

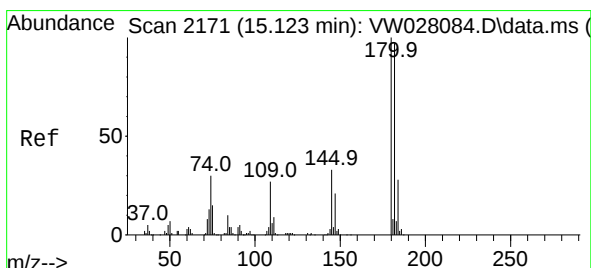
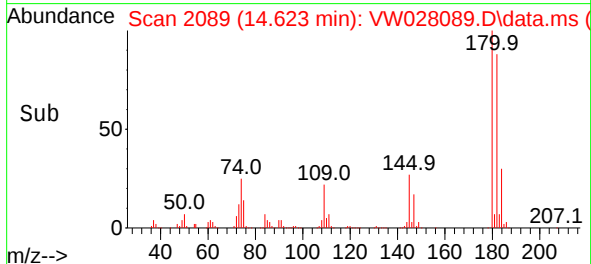
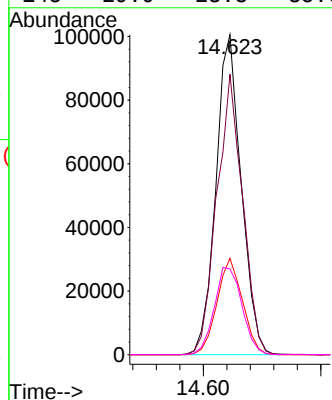
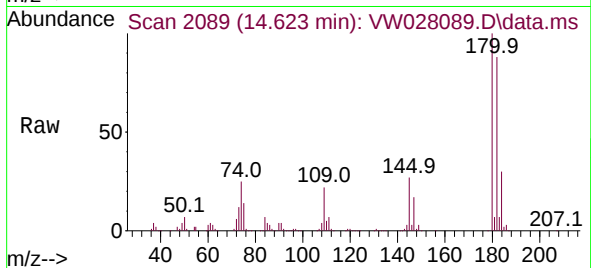
Ion Ratio Lower Upper

180 100

182 88.9 78.2 117.4

184 30.3 25.4 38.2

145 29.9 23.8 35.6



#70

1,2,4-trichlorobenzene

Concen: 24.471 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW028089.D

Acq: 05 Mar 2024 09:59

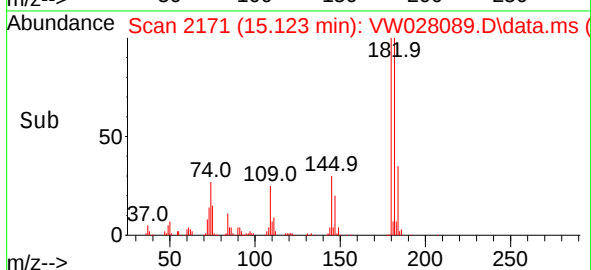
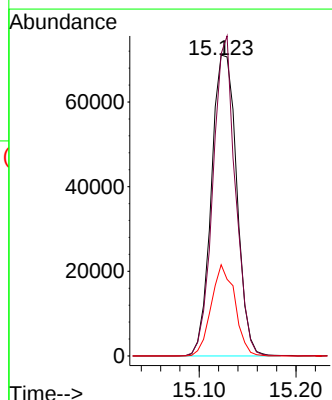
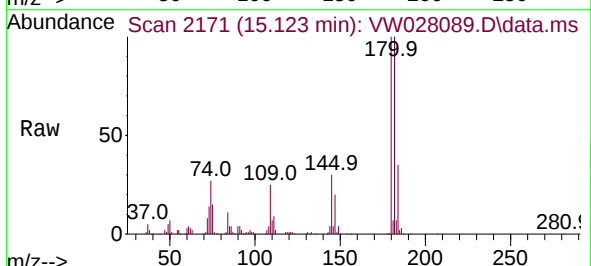
Tgt Ion:180 Resp: 129057

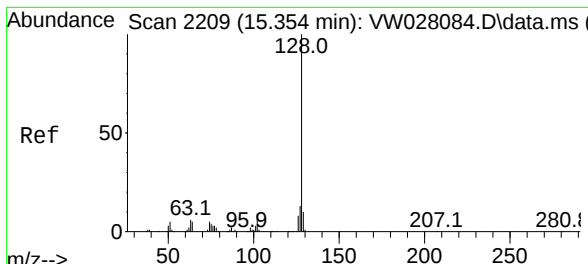
Ion Ratio Lower Upper

180 100

182 94.2 80.1 120.1

145 28.3 24.3 36.5



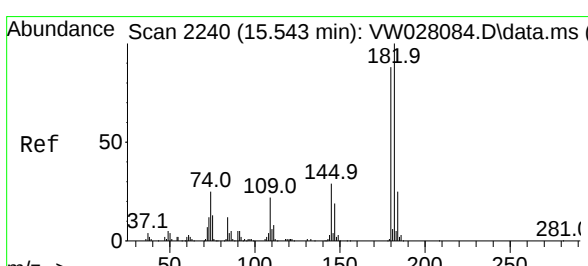
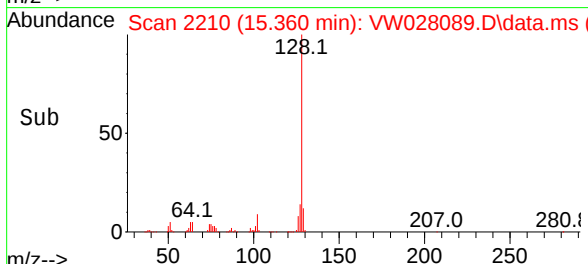
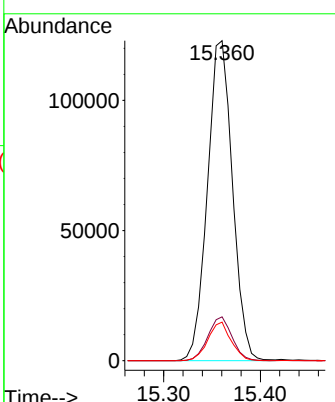
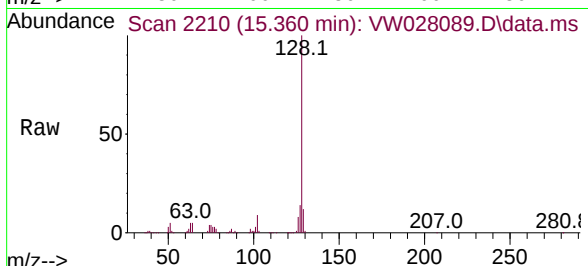


#71
 Naphthalene
 Concen: 25.675 ug/L
 RT: 15.360 min Scan# 2210
 Delta R.T. 0.006 min
 Lab File: VW028089.D
 Acq: 05 Mar 2024 09:59

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:128 Resp: 221456

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0



#72
 1,2,3-Trichlorobenzene
 Concen: 25.478 ug/L
 RT: 15.543 min Scan# 2240
 Delta R.T. 0.000 min
 Lab File: VW028089.D
 Acq: 05 Mar 2024 09:59

Tgt Ion:180 Resp: 112363

Ion	Ratio	Lower	Upper
180	100		
182	91.9	81.4	122.2
145	30.0	26.2	39.2

