

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026077.D
 Acq On : 30 May 2023 08:59
 Operator : SY/MD
 Sample : VSTD2.557
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5457

Quant Time: May 31 01:25:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 31 01:24:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	795301	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	710414	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	347077	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	24883	2.224	ug/L	0.00
7) Chloroethane-d5	2.899	69	19262	2.300	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.015	65	13239	2.400	ug/L	-0.01
21) 2-Butanone-d5	7.087	46	18474	5.672	ug/L	0.01
24) Chloroform-d	7.648	84	61914	2.658	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	35777	2.809	ug/L	0.00
32) Benzene-d6	8.270	84	117769	2.464	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	38721	2.557	ug/L	0.00
41) Toluene-d8	10.318	98	105639	2.492	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.574	79	15564	2.593	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	12364	5.178	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	30438	2.762	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	34640	2.608	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.021	85	8014	0.839	ug/L #	70
3) Chloromethane	2.216	50	18198	1.456	ug/L	96
5) Vinyl chloride	2.369	62	22018	1.648	ug/L	91
6) Bromomethane	2.789	94	12010	1.649	ug/L	96
8) Chloroethane	2.930	64	12074	1.672	ug/L	94
9) Trichlorofluoromethane	3.253	101	15653	1.821	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	23373	2.229	ug/L #	81
12) 1,1-Dichloroethene	4.045	96	20261	2.001	ug/L	96
13) Acetone	4.118	43	14934	5.925	ug/L	92
14) Carbon disulfide	4.393	76	49962	1.398	ug/L	99
15) Methyl Acetate	4.606	43	245	0.043	ug/L	98
16) Methylene chloride	4.917	84	44979	3.543	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	21875	1.925	ug/L	93
18) Methyl tert-butyl Ether	5.423	73	42718	2.386	ug/L #	87
19) 1,1-Dichloroethane	6.215	63	49232	2.129	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	25945	2.156	ug/L	97
22) 2-Butanone	7.179	43	18931	5.270	ug/L	100
23) Bromochloromethane	7.514	128	11544	2.249	ug/L	95
25) Chloroform	7.679	83	51723	2.401	ug/L	99
27) 1,2-Dichloroethane	8.398	62	35993	2.423	ug/L	97
29) Cyclohexane	7.959	56	35805	1.632	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	39470	2.289	ug/L	98
31) Carbon tetrachloride	8.069	117	33824	2.150	ug/L	96
33) Benzene	8.325	78	101240	2.080	ug/L	100
34) Trichloroethene	9.087	95	26997	2.166	ug/L	86
35) Methylcyclohexane	9.337	83	38471	1.745	ug/L	98
37) 1,2-Dichloropropane	9.367	63	30796	2.336	ug/L #	96
38) Bromodichloromethane	9.642	83	36731	2.399	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	40308	2.081	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	39740	5.114	ug/L	99
42) Toluene	10.385	91	102416	2.058	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	35350	2.191	ug/L	98

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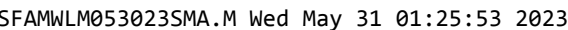
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5457

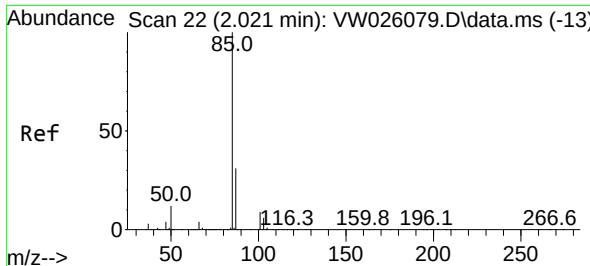
Quant Time: May 31 01:25:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 31 01:24:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	21315	2.454	ug/L	94
46) Tetrachloroethene	10.861	164	17951	2.037	ug/L	92
48) 2-Hexanone	10.965	43	26964	4.921	ug/L	96
49) Dibromochloromethane	11.123	129	21770	2.390	ug/L	94
50) 1,2-Dibromoethane	11.233	107	19399	2.412	ug/L	90
51) Chlorobenzene	11.654	112	70507	2.260	ug/L	96
52) Ethylbenzene	11.727	91	120121	2.139	ug/L	98
53) m,p-Xylene	11.836	106	42654	2.042	ug/L	98
54) o-Xylene	12.160	106	39711	2.014	ug/L	99
55) Styrene	12.178	104	66407	1.963	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.714	83	27209	2.588	ug/L	96
59) Bromoform	12.342	173	12486	2.395	ug/L	98
60) Isopropylbenzene	12.464	105	106789	1.959	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	20273	2.608	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	82342	1.900	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	74293	1.871	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	51963	2.267	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	55211	2.392	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	48353	2.349	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	5543	3.077	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.623	180	35634	2.263	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	28724	2.210	ug/L	97
71) Naphthalene	15.360	128	49801	2.150	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	26675	2.349	ug/L	98

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

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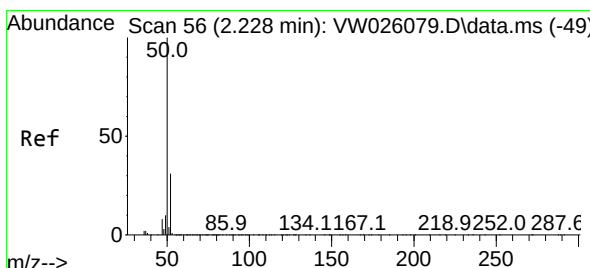
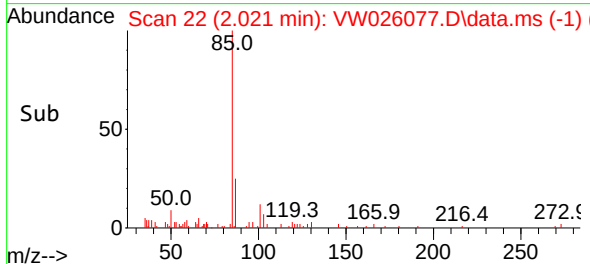
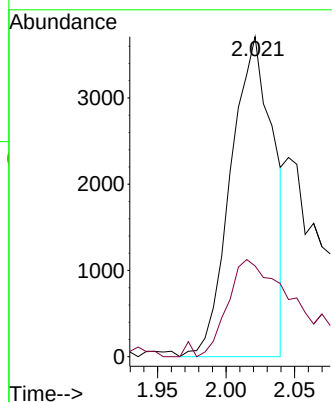
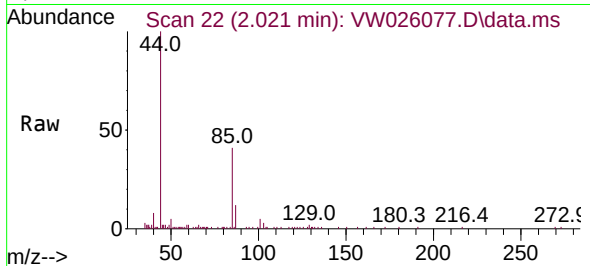




#2
 Dichlorodifluoromethane
 Concen: 0.839 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026077.D
 Acq: 30 May 2023 08:59

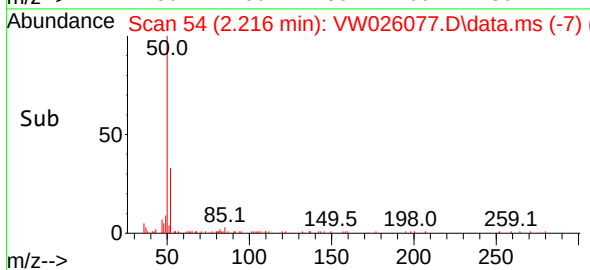
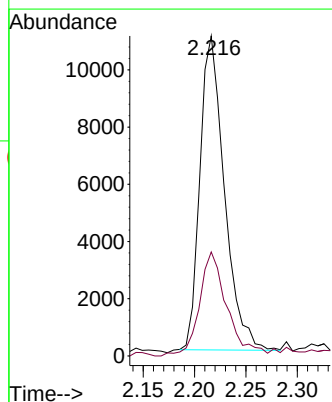
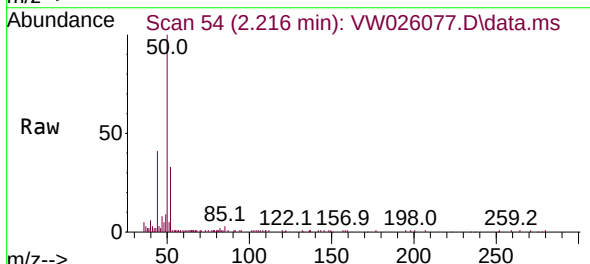
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5457

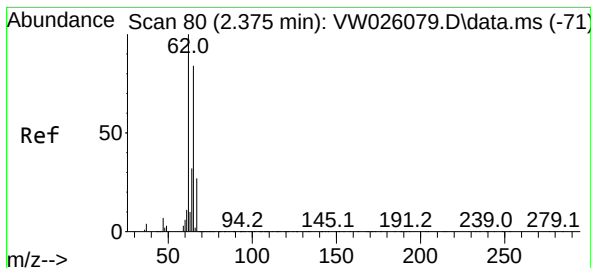
Tgt Ion: 85 Resp: 8014
 Ion Ratio Lower Upper
 85 100
 87 43.2 22.2 33.2#



#3
 Chloromethane
 Concen: 1.456 ug/L
 RT: 2.216 min Scan# 54
 Delta R.T. -0.012 min
 Lab File: VW026077.D
 Acq: 30 May 2023 08:59

Tgt Ion: 50 Resp: 18198
 Ion Ratio Lower Upper
 50 100
 52 32.5 21.3 39.6





#5

Vinyl chloride

Concen: 1.648 ug/L

RT: 2.369 min Scan# 79

Delta R.T. -0.006 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

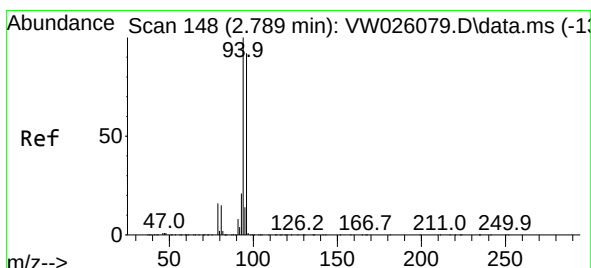
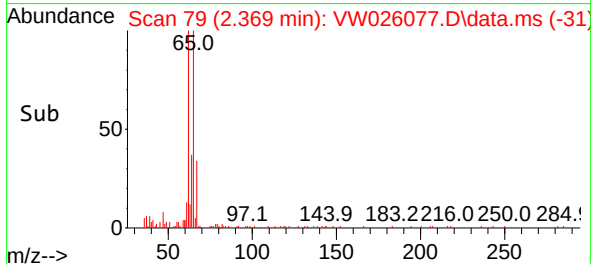
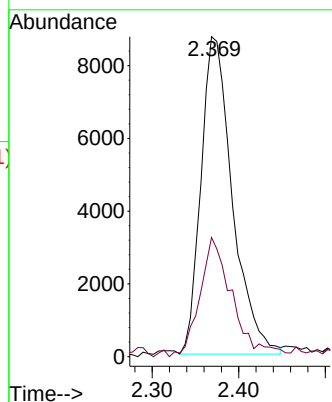
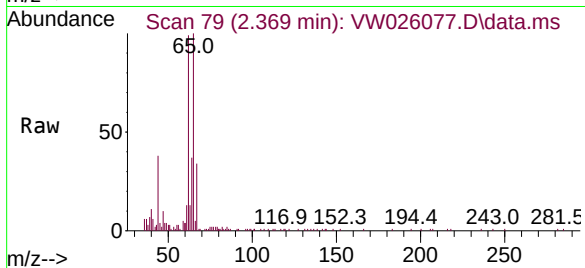
VSTD2.5457

Tgt Ion: 62 Resp: 22018

Ion Ratio Lower Upper

62 100

64 37.2 22.7 42.1



#6

Bromomethane

Concen: 1.649 ug/L

RT: 2.789 min Scan# 148

Delta R.T. -0.000 min

Lab File: VW026077.D

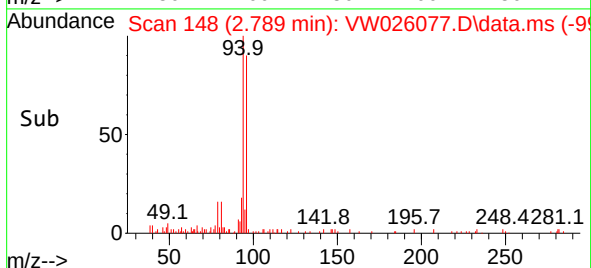
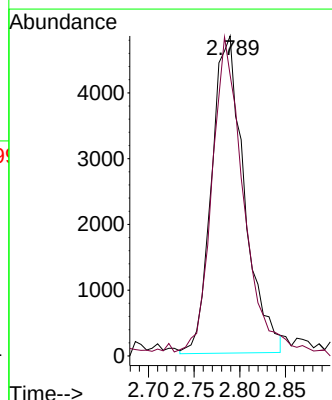
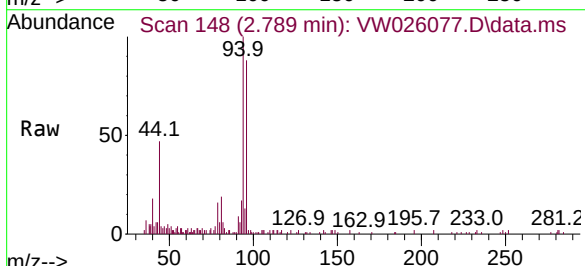
Acq: 30 May 2023 08:59

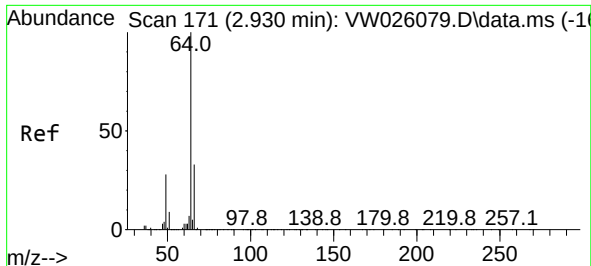
Tgt Ion: 94 Resp: 12010

Ion Ratio Lower Upper

94 100

96 87.8 64.2 119.2

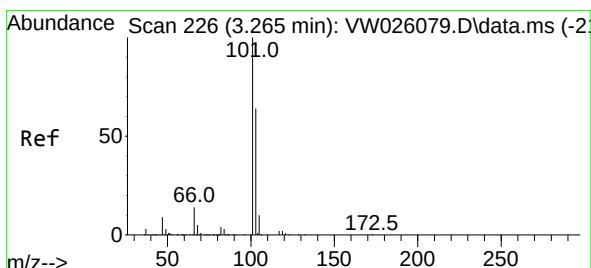
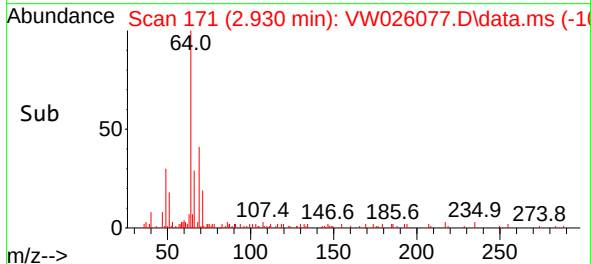
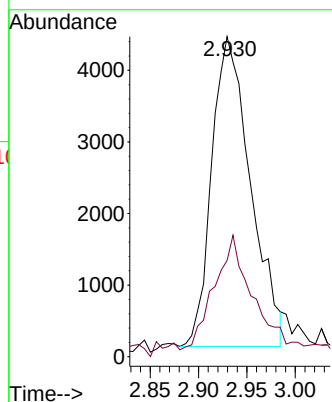
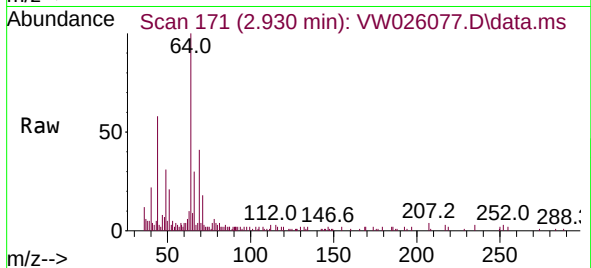




#8
Chloroethane
Concen: 1.672 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

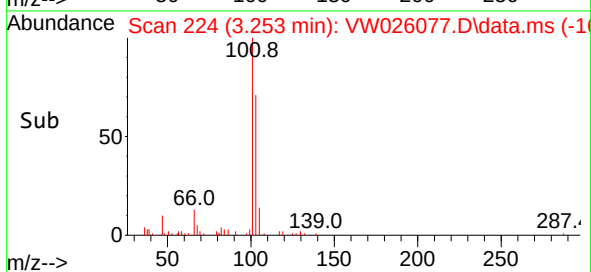
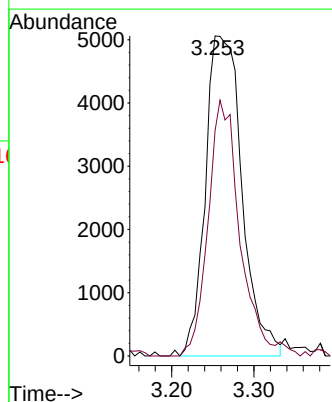
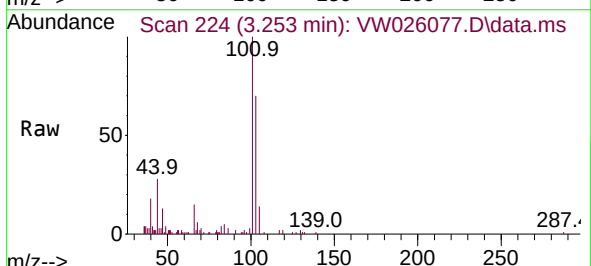
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VSTD2.5457

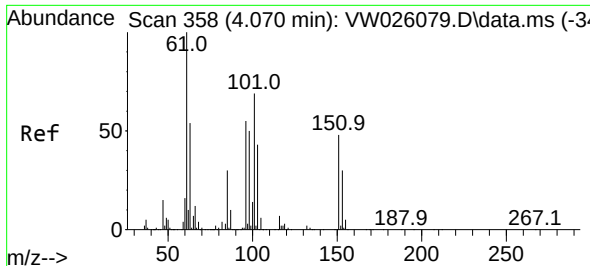
Tgt Ion: 64 Resp: 12074
Ion Ratio Lower Upper
64 100
66 30.0 23.2 43.2



#9
Trichlorofluoromethane
Concen: 1.821 ug/L
RT: 3.253 min Scan# 224
Delta R.T. -0.012 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Tgt Ion: 101 Resp: 15653
Ion Ratio Lower Upper
101 100
103 68.3 51.6 77.4

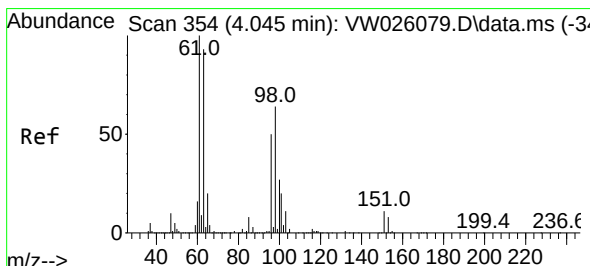
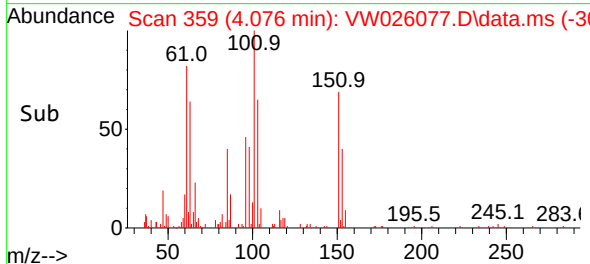
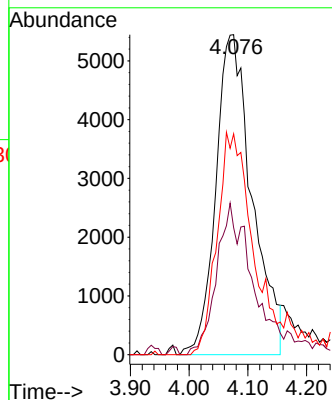
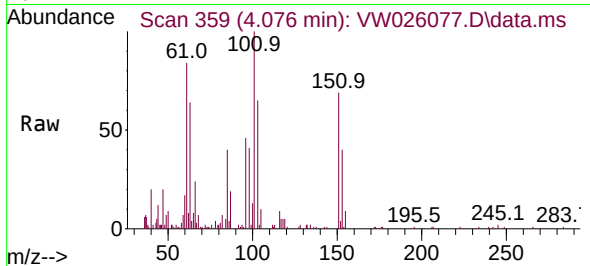




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.229 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW026077.D
 Acq: 30 May 2023 08:59

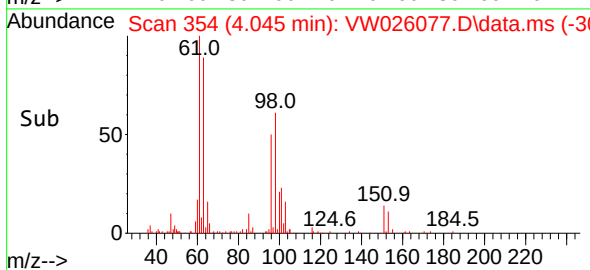
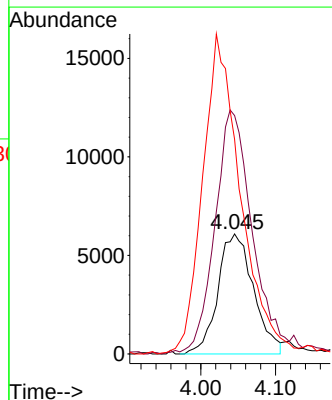
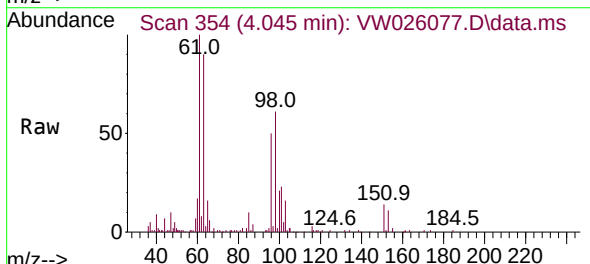
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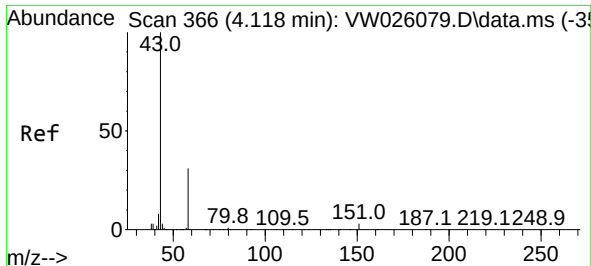
Tgt Ion:101 Resp: 23373
 Ion Ratio Lower Upper
 101 100
 85 23.2 36.1 54.1#
 151 61.4 55.1 82.7



#12
 1,1-Dichloroethene
 Concen: 2.001 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW026077.D
 Acq: 30 May 2023 08:59

Tgt Ion: 96 Resp: 20261
 Ion Ratio Lower Upper
 96 100
 61 198.6 140.6 261.0
 63 178.8 131.7 244.5





#13

Acetone

Concen: 5.925 ug/L

RT: 4.118 min Scan# 366

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

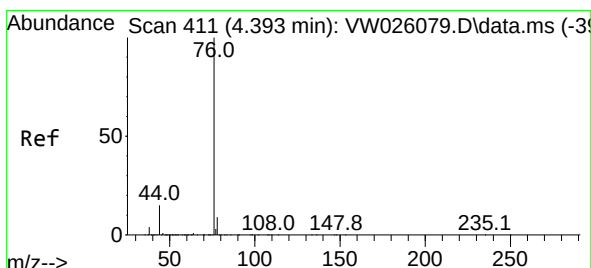
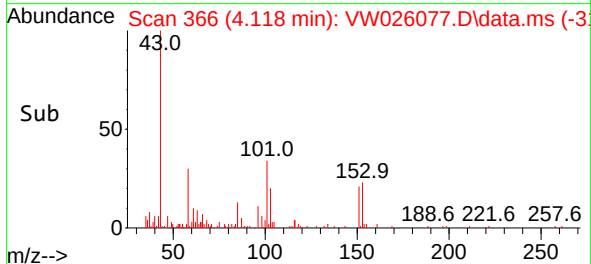
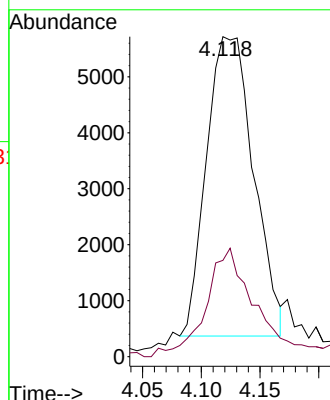
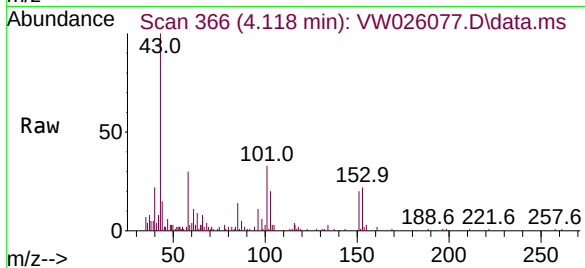
VSTD2.5457

Tgt Ion: 43 Resp: 14934

Ion Ratio Lower Upper

43 100

58 33.3 0.0 58.2



#14

Carbon disulfide

Concen: 1.398 ug/L

RT: 4.393 min Scan# 411

Delta R.T. -0.000 min

Lab File: VW026077.D

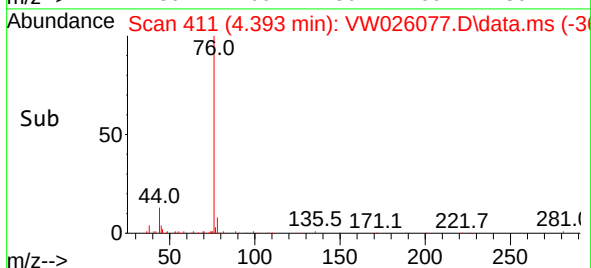
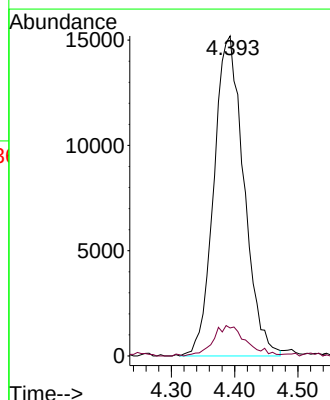
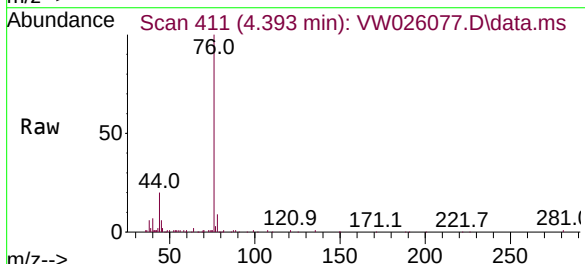
Acq: 30 May 2023 08:59

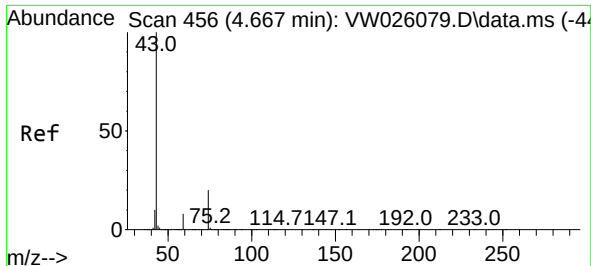
Tgt Ion: 76 Resp: 49962

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

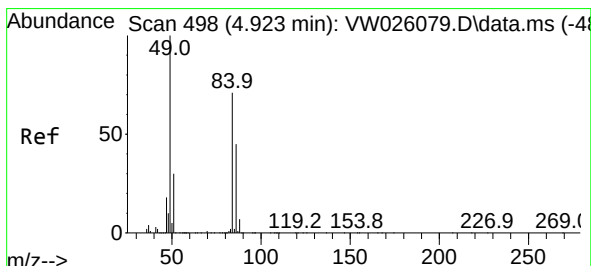
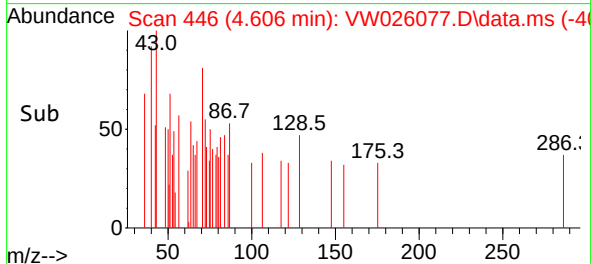
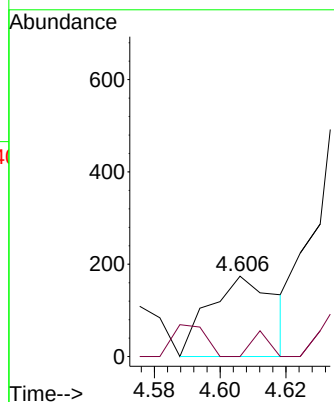
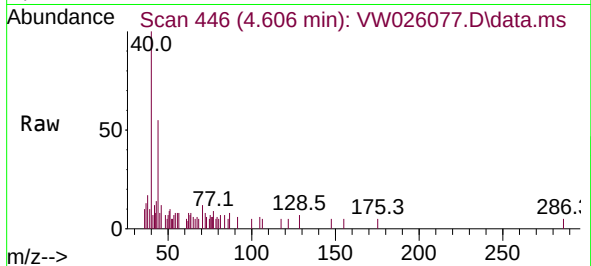




#15
Methyl Acetate
Concen: 0.043 ug/L
RT: 4.606 min Scan# 446
Delta R.T. -0.061 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

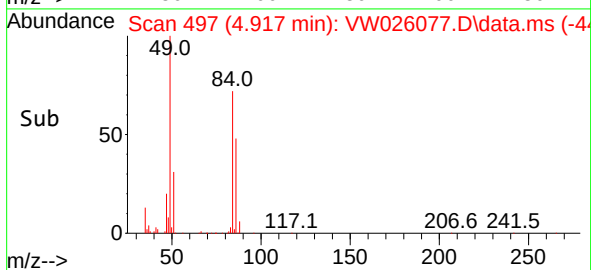
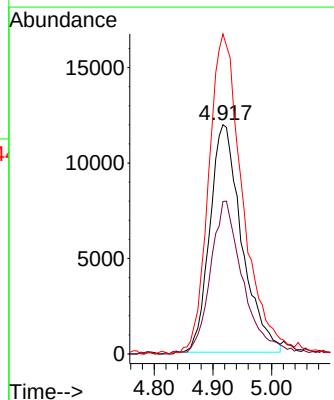
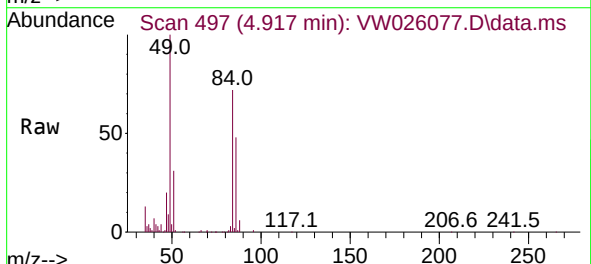
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5457

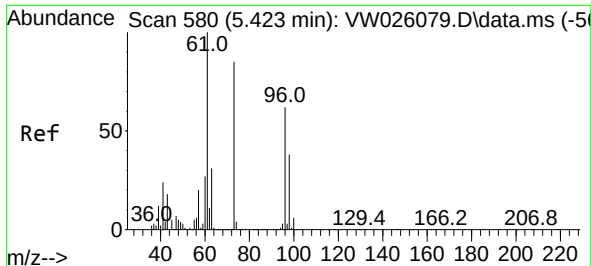
Tgt Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
74 20.0 16.6 25.0



#16
Methylene chloride
Concen: 3.543 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Tgt Ion: 84 Resp: 44979
Ion Ratio Lower Upper
84 100
86 66.5 44.2 82.0
49 139.5 98.8 183.6





#17

trans-1,2-Dichloroethene

Concen: 1.925 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

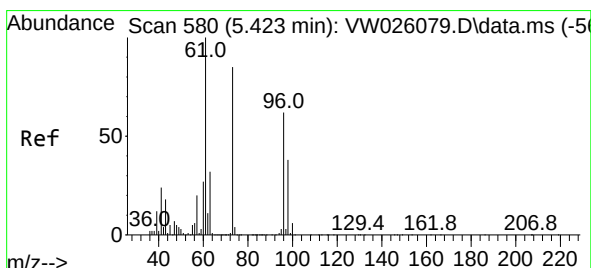
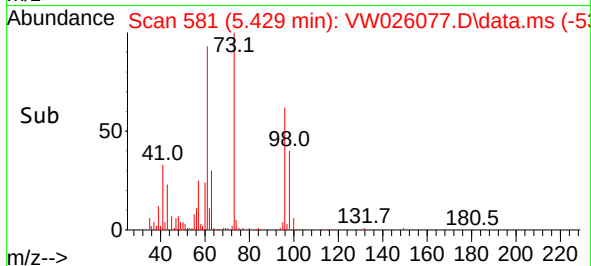
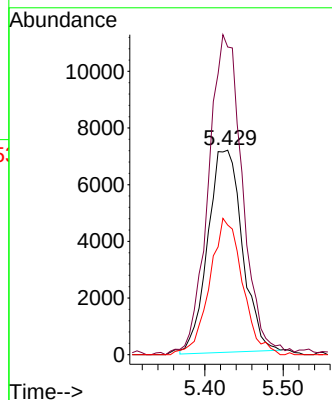
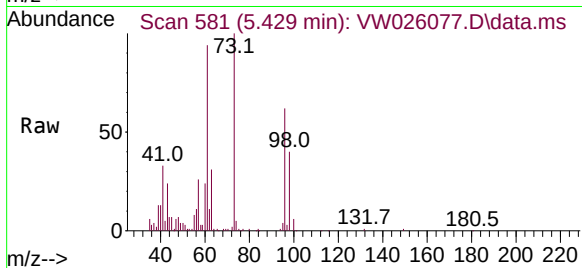
Tgt Ion: 96 Resp: 21875

Ion Ratio Lower Upper

96 100

61 150.4 113.0 209.8

98 63.3 42.5 78.9



#18

Methyl tert-butyl Ether

Concen: 2.386 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

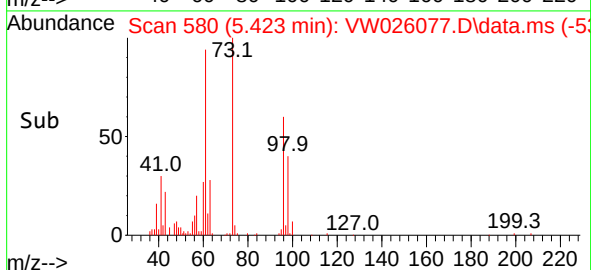
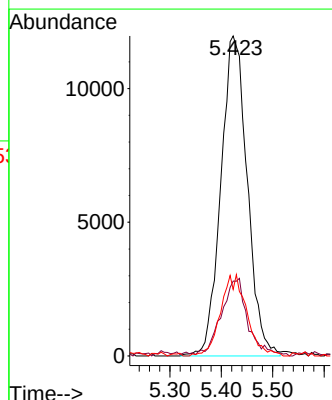
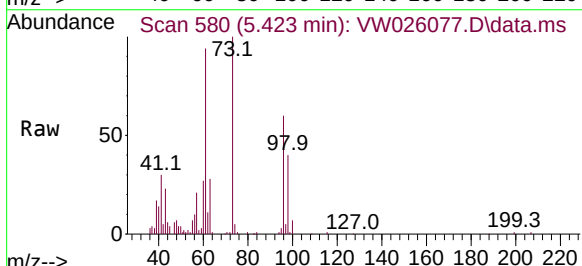
Tgt Ion: 73 Resp: 42718

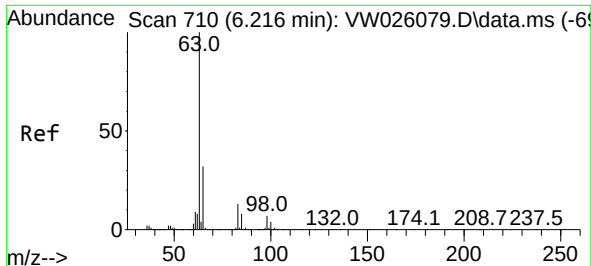
Ion Ratio Lower Upper

73 100

43 20.0 17.8 26.6

57 13.1 18.9 28.3#





#19

1,1-Dichloroethane

Concen: 2.129 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

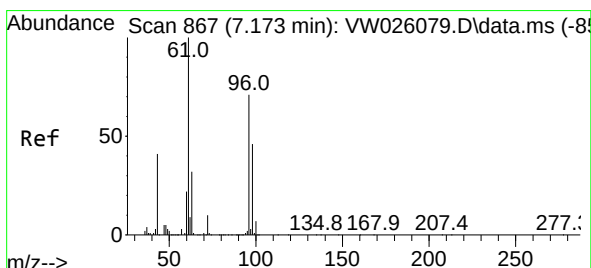
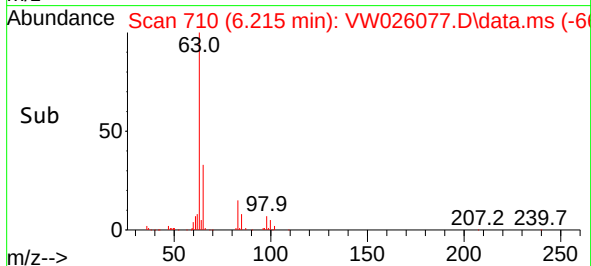
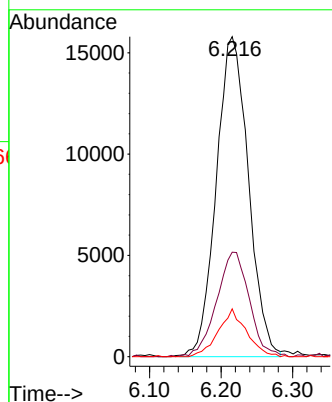
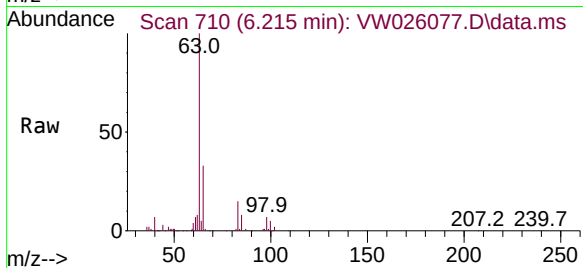
Tgt Ion: 63 Resp: 49232

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

83 15.0 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 2.156 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

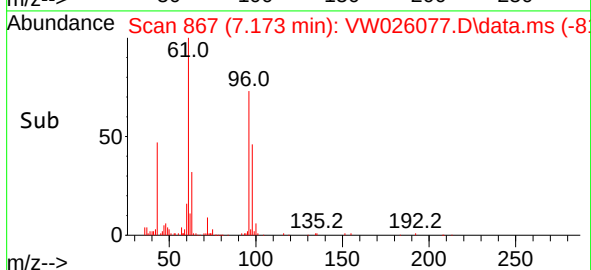
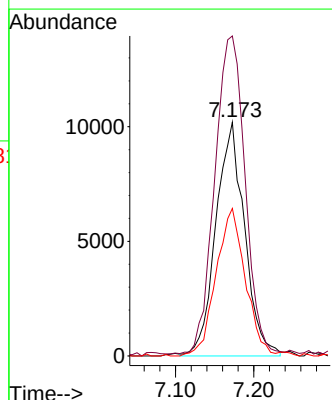
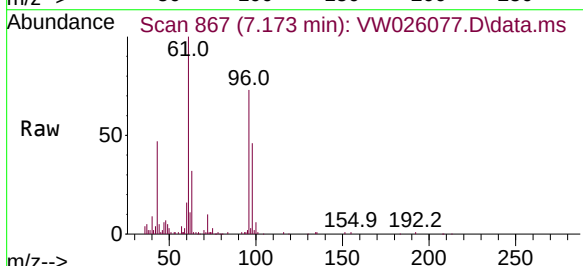
Tgt Ion: 96 Resp: 25945

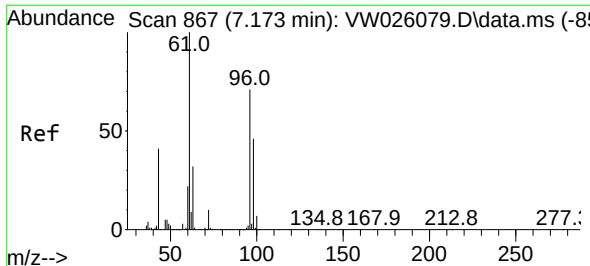
Ion Ratio Lower Upper

96 100

61 136.9 98.4 182.8

98 63.1 45.2 84.0

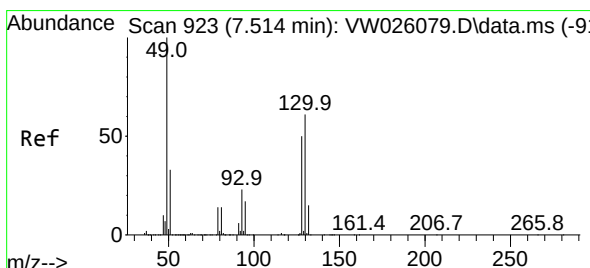
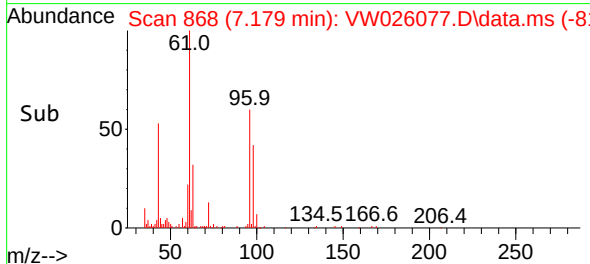
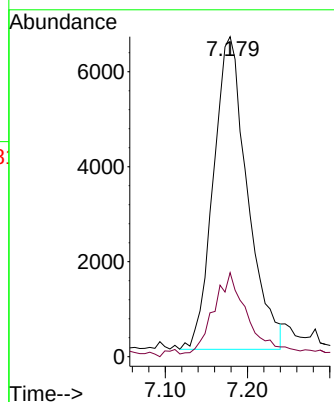
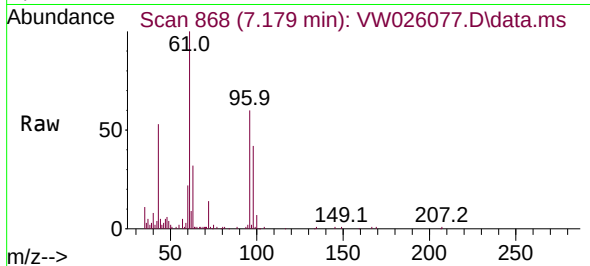




#22
2-Butanone
Concen: 5.270 ug/L
RT: 7.179 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

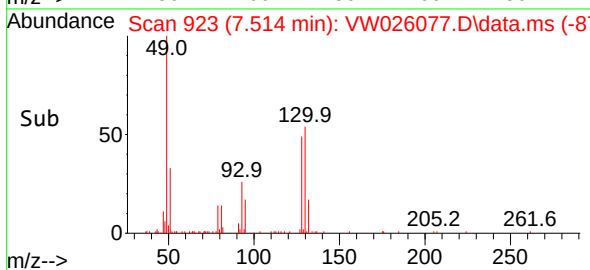
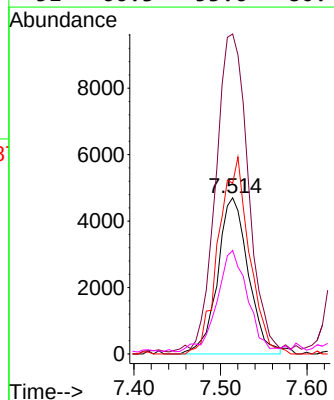
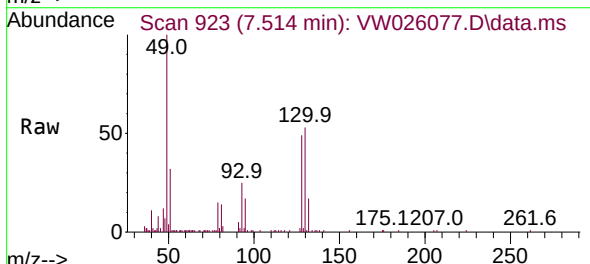
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5457

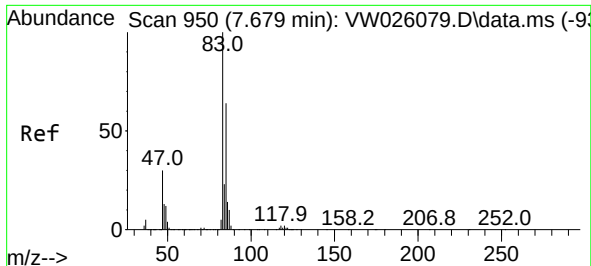
Tgt Ion: 43 Resp: 18931
Ion Ratio Lower Upper
43 100
72 24.8 12.4 37.4



#23
Bromochloromethane
Concen: 2.249 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Tgt Ion: 128 Resp: 11544
Ion Ratio Lower Upper
128 100
49 204.9 140.6 261.0
130 109.3 86.0 159.6
51 66.3 53.6 80.4





#25

Chloroform

Concen: 2.401 ug/L

RT: 7.679 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

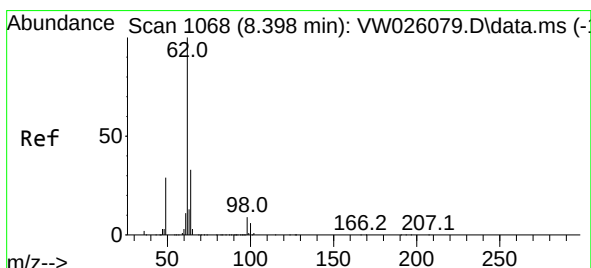
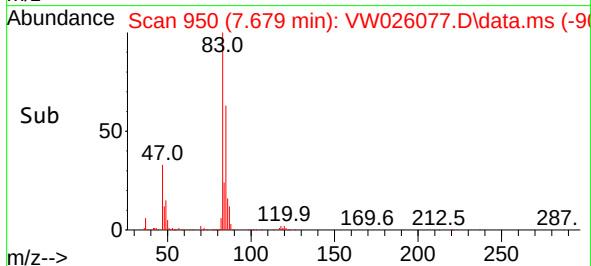
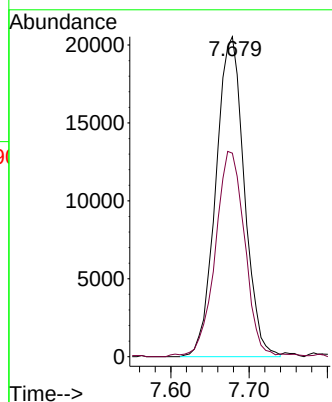
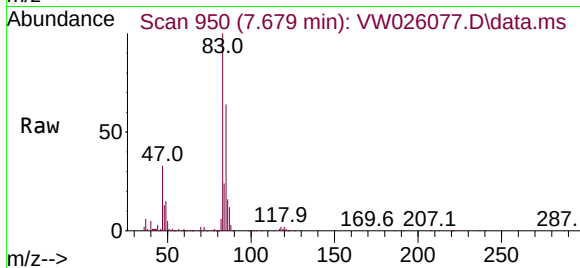
VSTD2.5457

Tgt Ion: 83 Resp: 51723

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7



#27

1,2-Dichloroethane

Concen: 2.423 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW026077.D

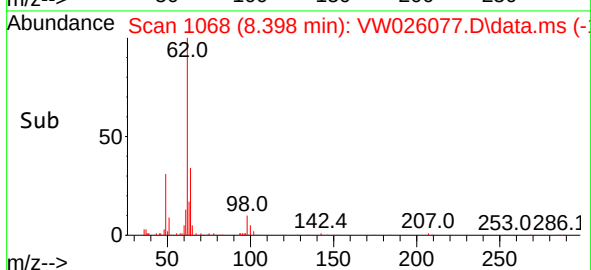
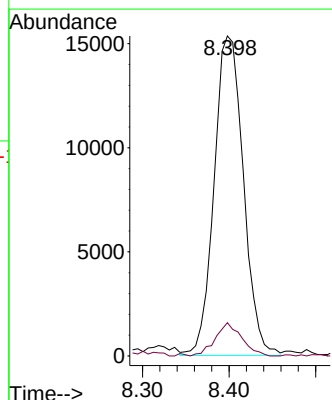
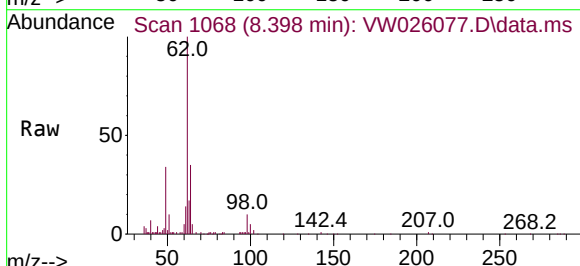
Acq: 30 May 2023 08:59

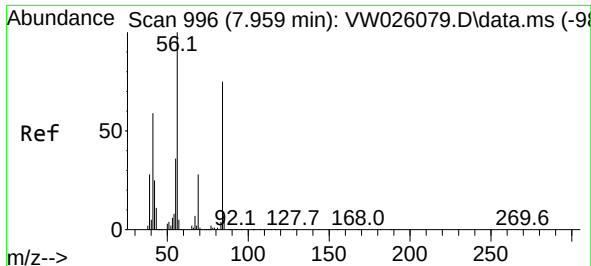
Tgt Ion: 62 Resp: 35993

Ion Ratio Lower Upper

62 100

98 10.4 7.4 11.2





#29

Cyclohexane

Concen: 1.632 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

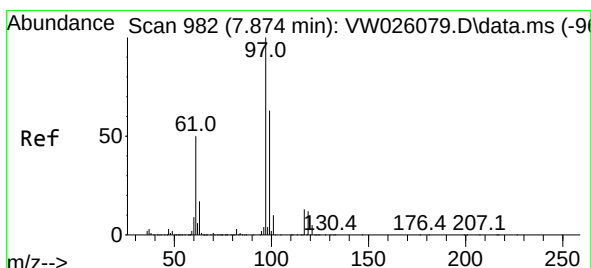
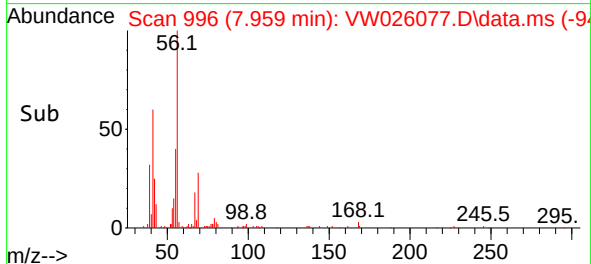
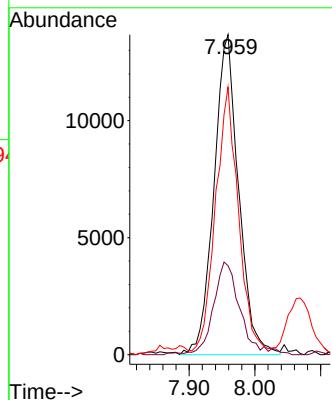
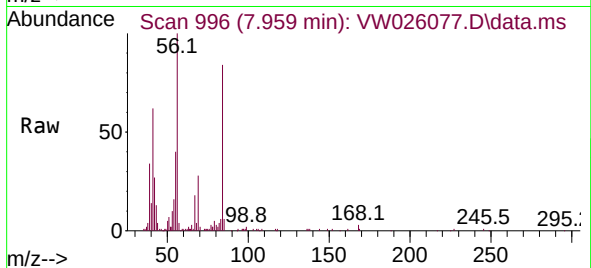
Tgt Ion: 56 Resp: 35805

Ion Ratio Lower Upper

56 100

69 29.5 23.3 34.9

84 78.3 63.0 94.6



#30

1,1,1-Trichloroethane

Concen: 2.289 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

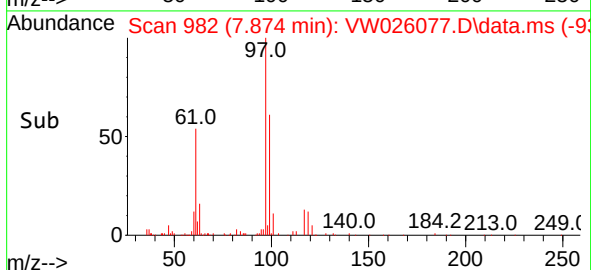
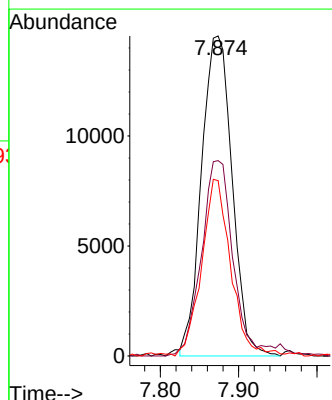
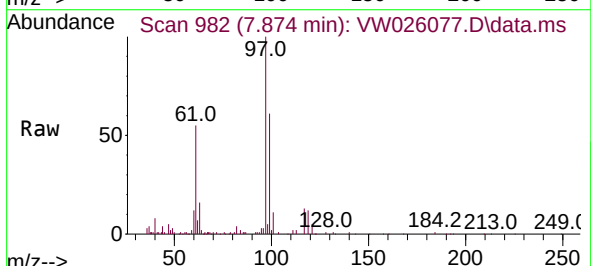
Tgt Ion: 97 Resp: 39470

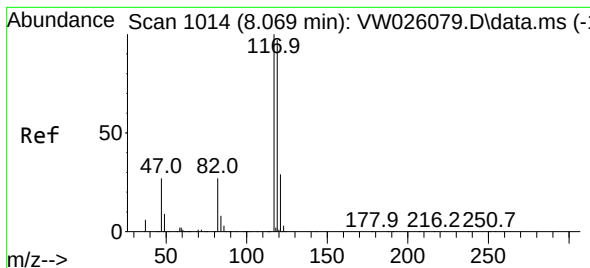
Ion Ratio Lower Upper

97 100

99 61.6 50.6 76.0

61 51.4 40.5 60.7





#31

Carbon tetrachloride

Concen: 2.150 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

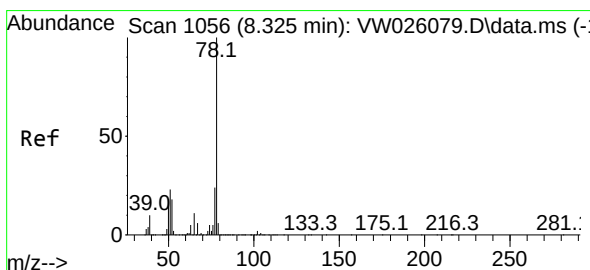
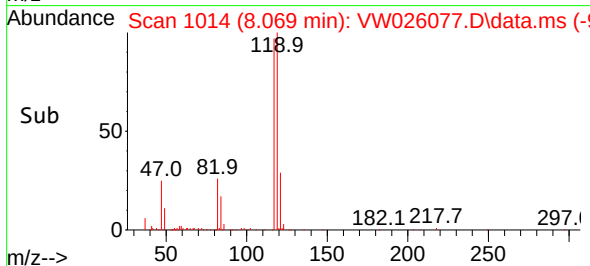
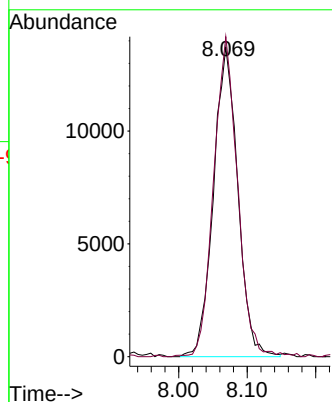
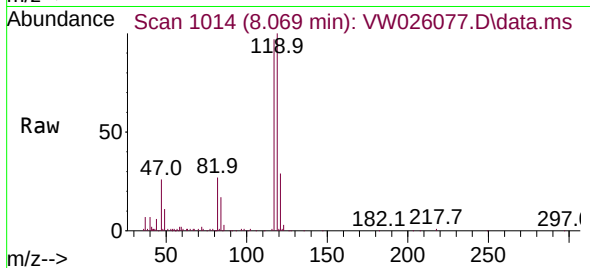
VSTD2.5457

Tgt Ion:117 Resp: 33824

Ion Ratio Lower Upper

117 100

119 100.4 77.4 116.2



#33

Benzene

Concen: 2.080 ug/L

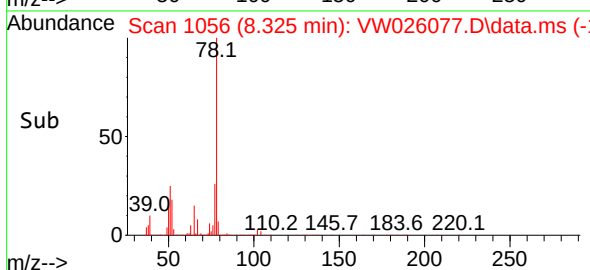
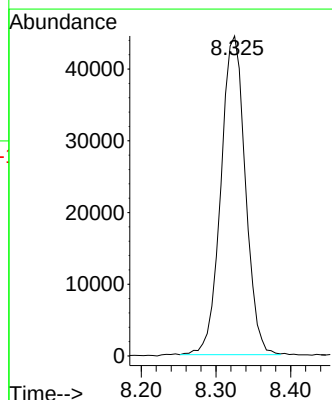
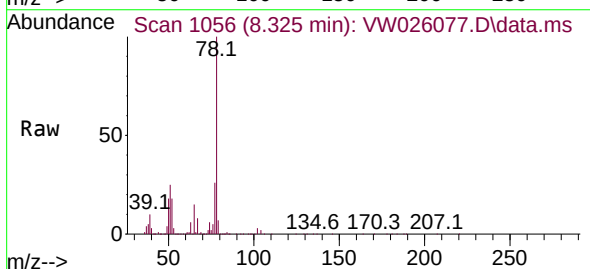
RT: 8.325 min Scan# 1056

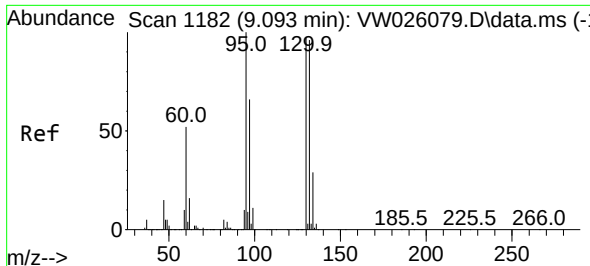
Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Tgt Ion: 78 Resp: 101240



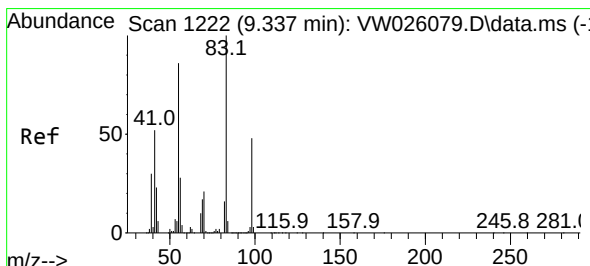
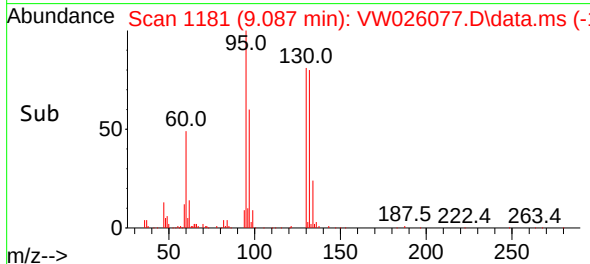
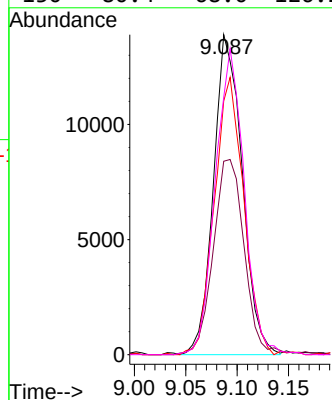
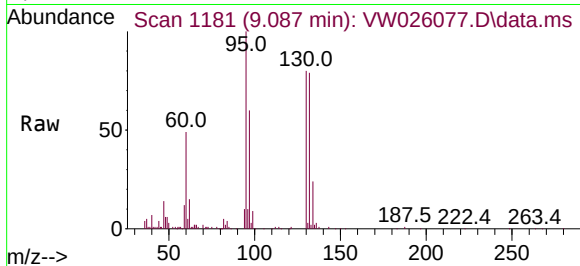


#34
Trichloroethene
Concen: 2.166 ug/L
RT: 9.087 min Scan# 1182
Delta R.T. -0.006 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5457

Tgt Ion: 95 Resp: 26997

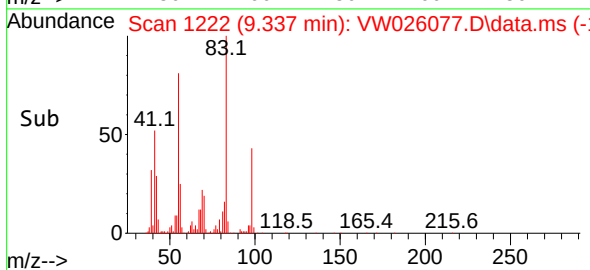
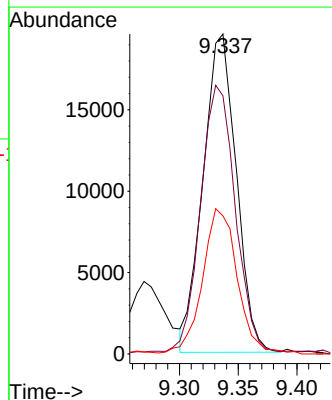
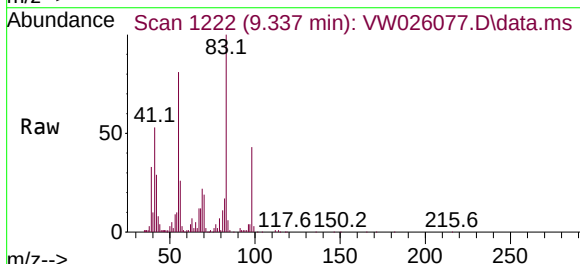
Ion	Ratio	Lower	Upper
95	100		
97	60.5	45.9	85.3
132	79.2	67.1	124.7
130	80.4	68.0	126.2

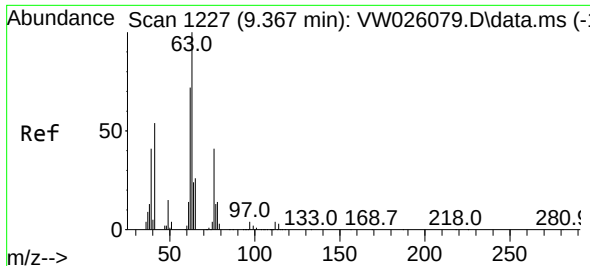


#35
Methylcyclohexane
Concen: 1.745 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Tgt Ion: 83 Resp: 38471

Ion	Ratio	Lower	Upper
83	100		
55	87.8	68.2	102.4
98	46.4	38.1	57.1





#37

1,2-Dichloropropane

Concen: 2.336 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

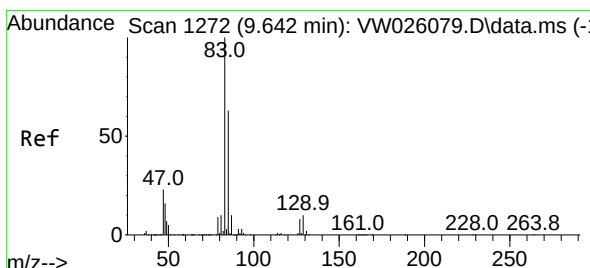
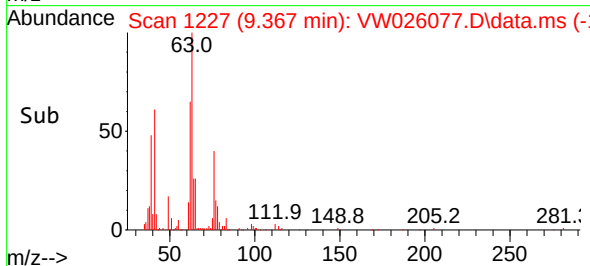
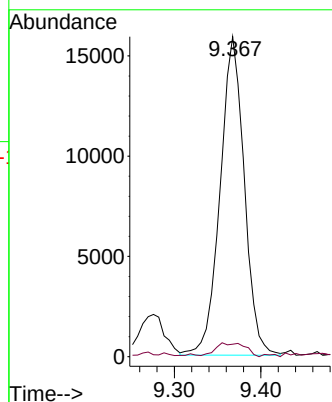
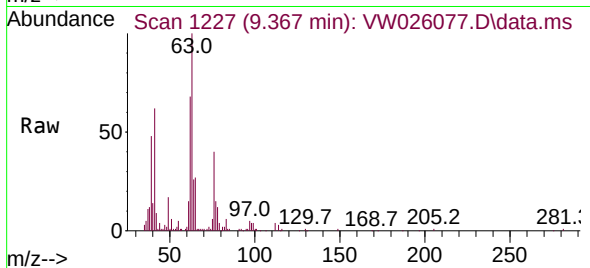
VSTD2.5457

Tgt Ion: 63 Resp: 30796

Ion Ratio Lower Upper

63 100

112 2.8 3.3 4.9#



#38

Bromodichloromethane

Concen: 2.399 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

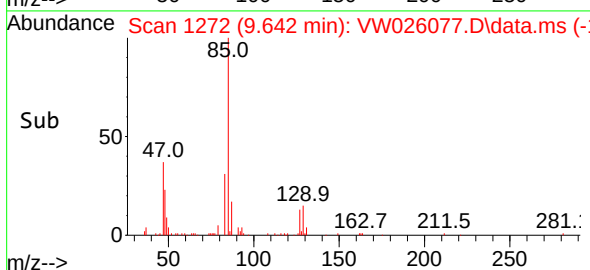
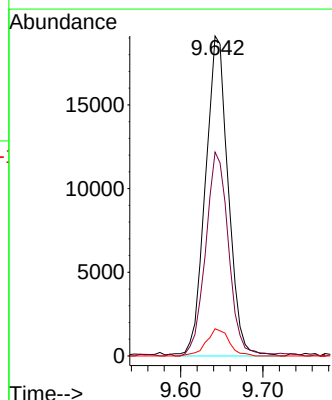
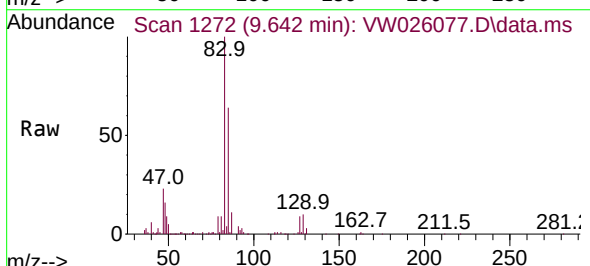
Tgt Ion: 83 Resp: 36731

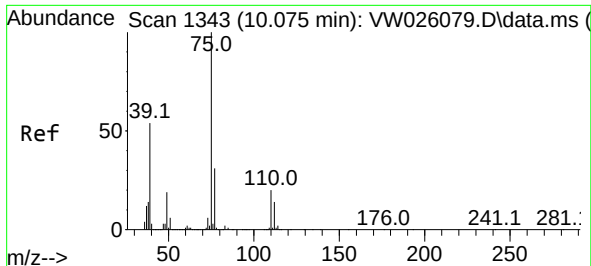
Ion Ratio Lower Upper

83 100

85 63.7 44.2 82.0

127 8.5 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 2.081 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

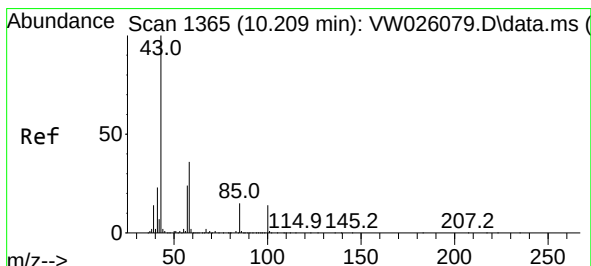
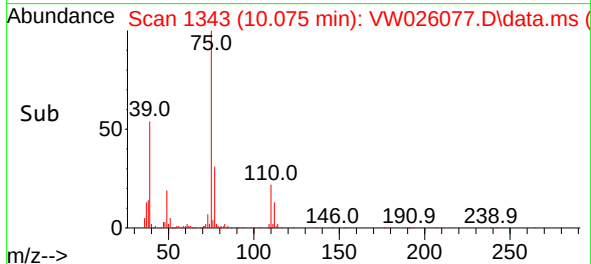
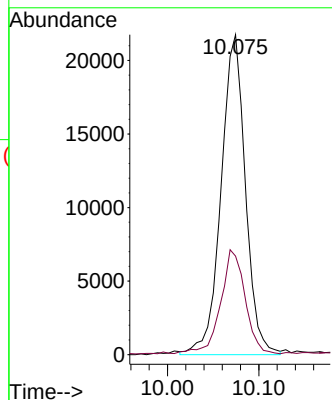
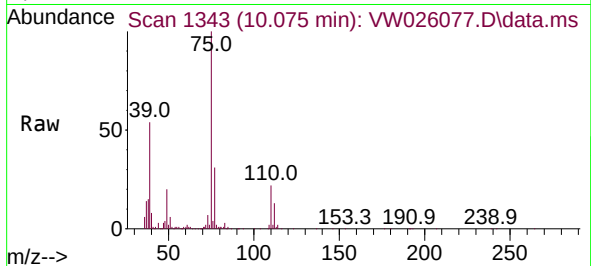
VSTD2.5457

Tgt Ion: 75 Resp: 40308

Ion Ratio Lower Upper

75 100

77 30.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 5.114 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

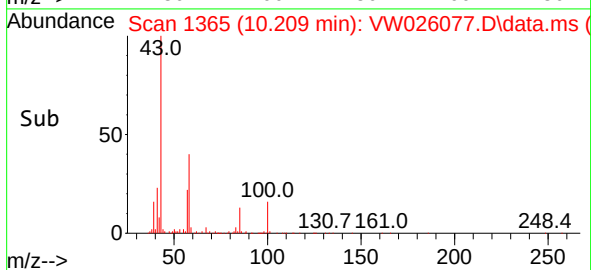
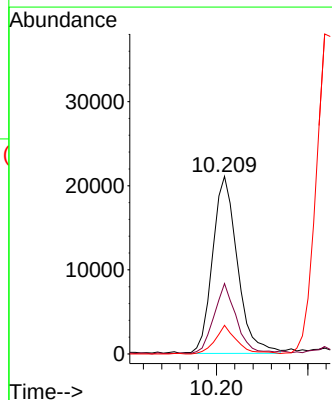
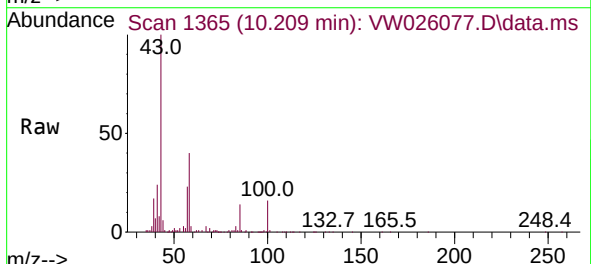
Tgt Ion: 43 Resp: 39740

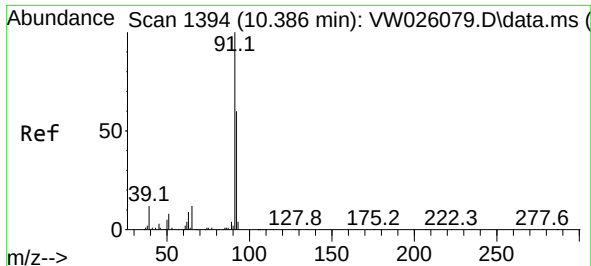
Ion Ratio Lower Upper

43 100

58 35.6 29.0 43.4

100 13.6 10.5 15.7

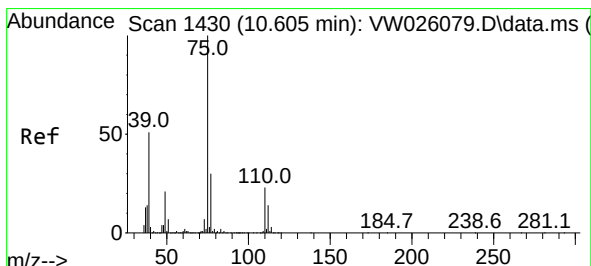
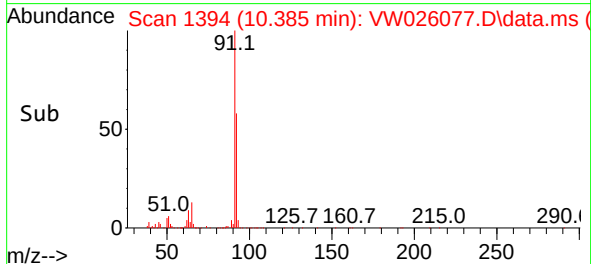
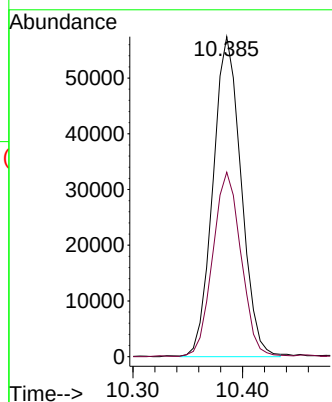
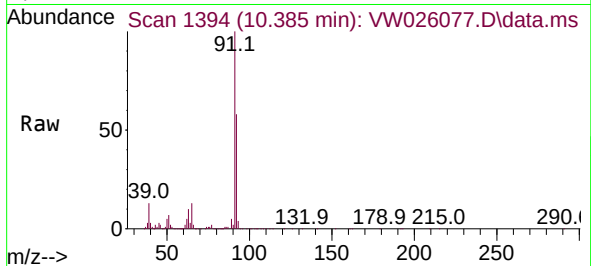




#42
Toluene
Concen: 2.058 ug/L
RT: 10.385 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

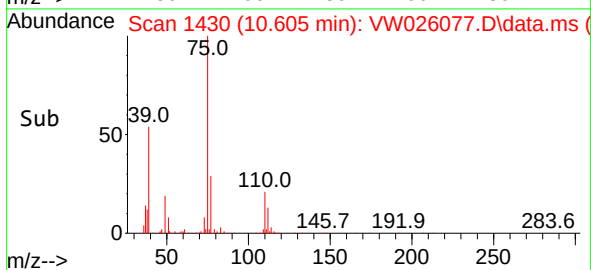
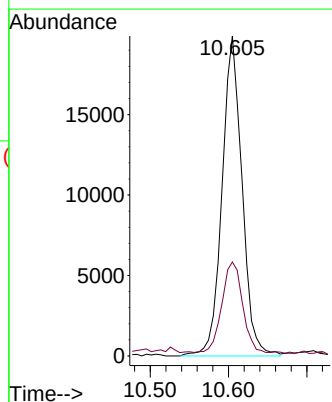
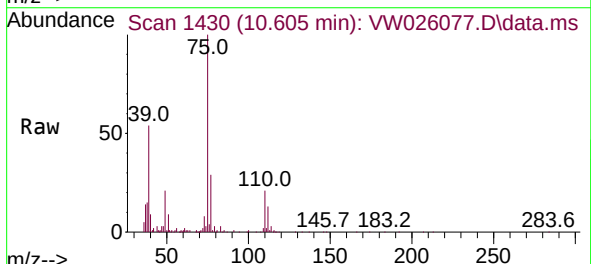
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5457

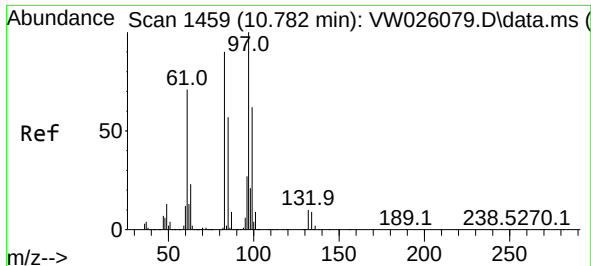
Tgt Ion: 91 Resp: 102416
Ion Ratio Lower Upper
91 100
92 57.6 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 2.191 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Tgt Ion: 75 Resp: 35350
Ion Ratio Lower Upper
75 100
77 29.3 21.1 39.3





#45

1,1,2-Trichloroethane

Concen: 2.454 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

Tgt Ion: 97 Resp: 21315

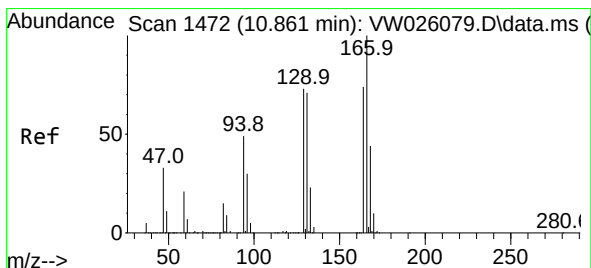
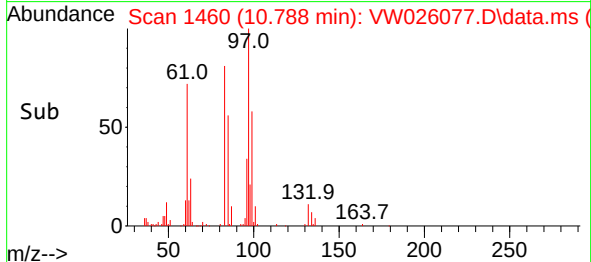
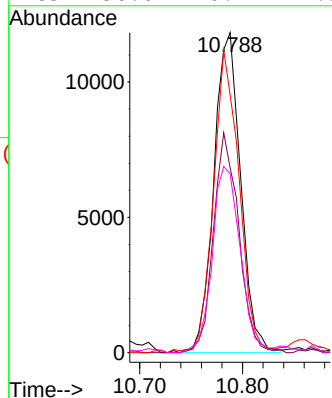
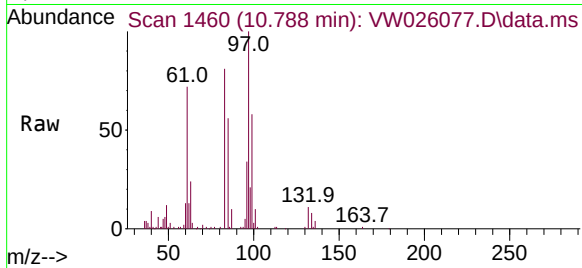
Ion Ratio Lower Upper

97 100

99 57.7 43.3 80.5

83 80.6 62.9 116.9

85 56.0 40.1 74.5



#46

Tetrachloroethene

Concen: 2.037 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Tgt Ion:164 Resp: 17951

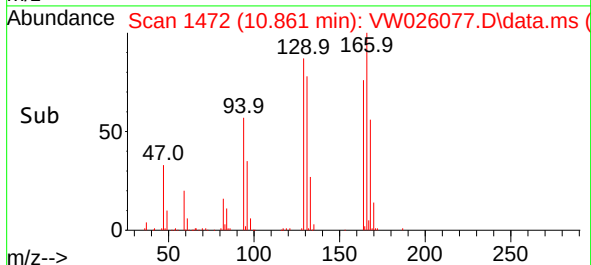
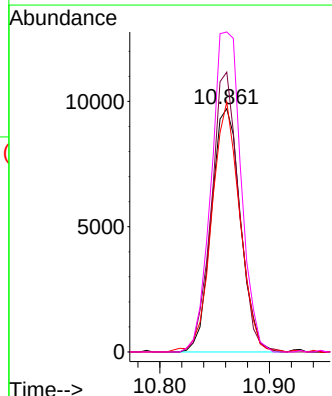
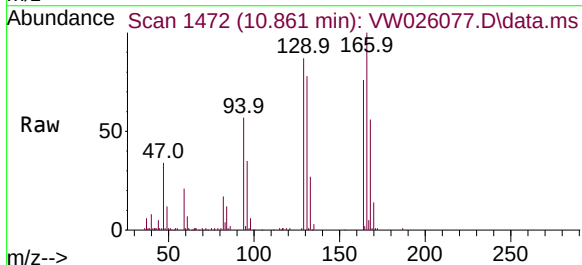
Ion Ratio Lower Upper

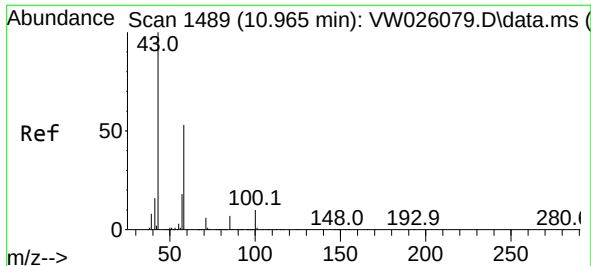
164 100

129 111.9 68.5 127.1

131 100.0 67.1 124.7

166 128.0 94.1 174.8

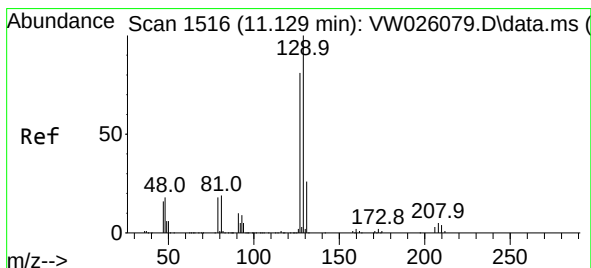
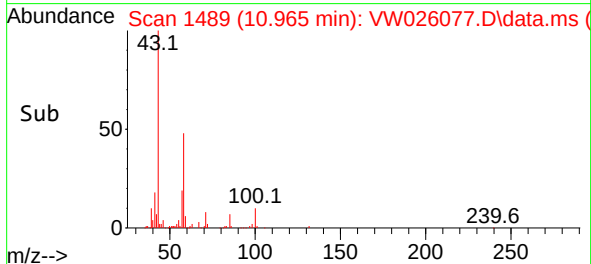
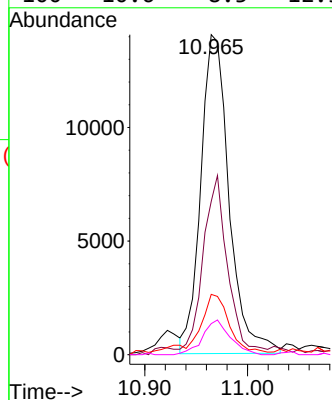
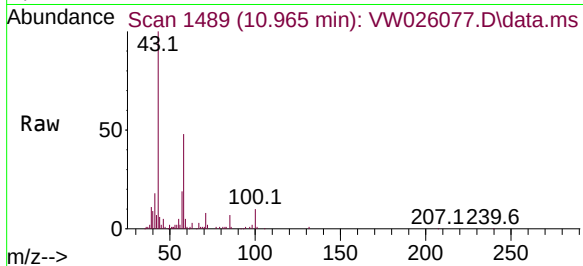




#48
2-Hexanone
Concen: 4.921 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

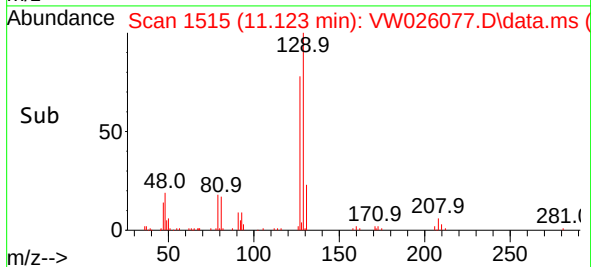
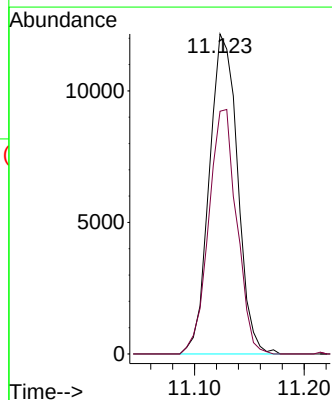
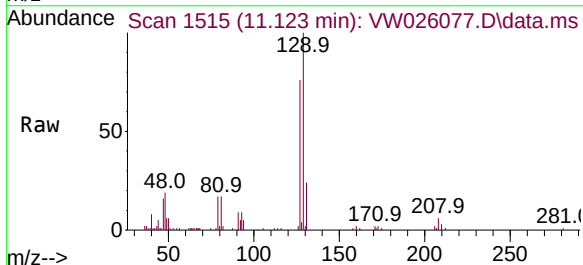
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5457

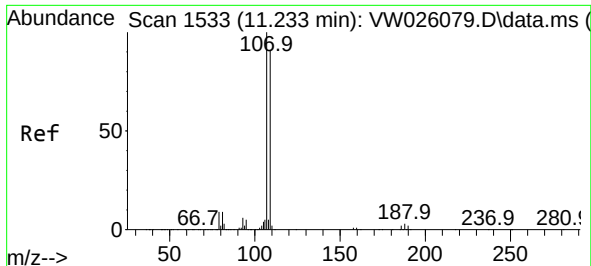
Tgt Ion: 43	Resp: 26964
Ion Ratio	Lower Upper
43 100	
58 48.8	42.2 63.2
57 17.5	14.2 21.2
100 10.6	8.3 12.5



#49
Dibromochloromethane
Concen: 2.390 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Tgt Ion:129	Resp:	21770	
Ion	Ratio	Lower	Upper
129	100		
127	75.8	56.9	105.7





#50

1,2-Dibromoethane

Concen: 2.412 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

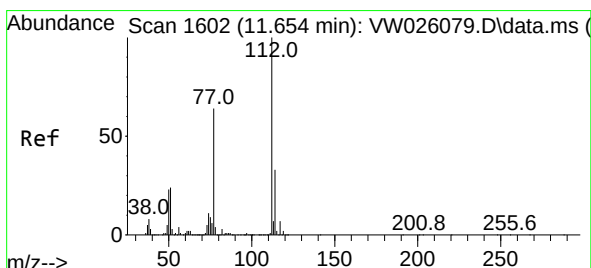
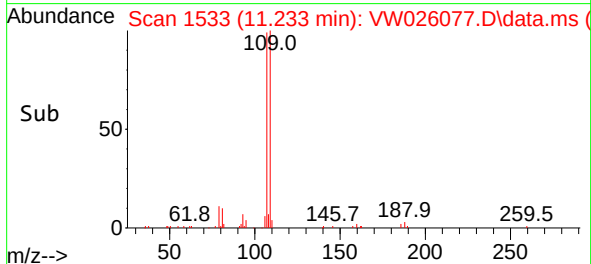
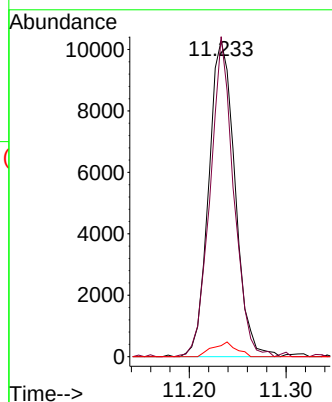
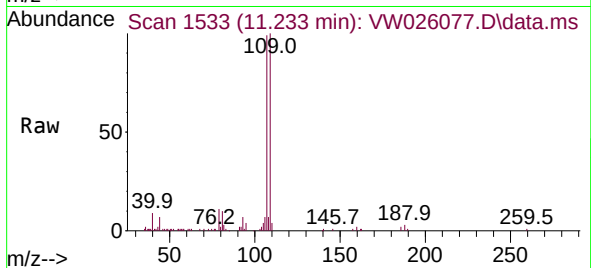
Tgt Ion:107 Resp: 19399

Ion Ratio Lower Upper

107 100

109 101.2 64.0 119.0

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 2.260 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

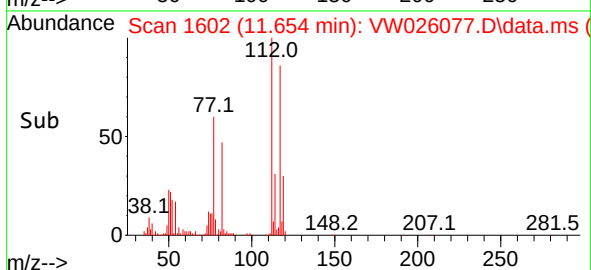
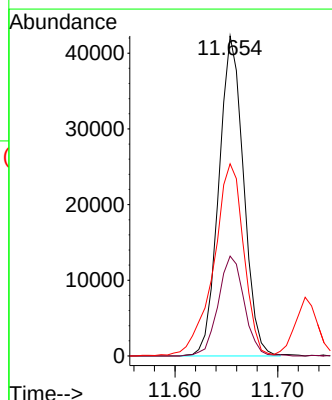
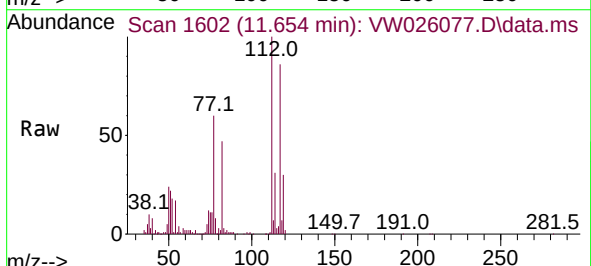
Tgt Ion:112 Resp: 70507

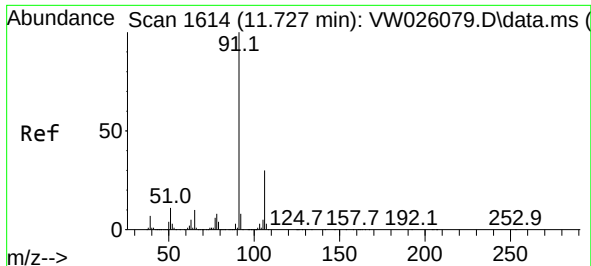
Ion Ratio Lower Upper

112 100

114 31.2 23.0 42.6

77 60.1 50.9 76.3





#52

Ethylbenzene

Concen: 2.139 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

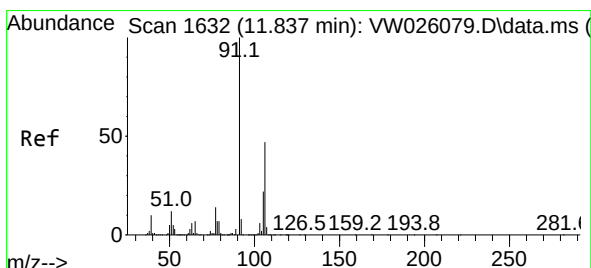
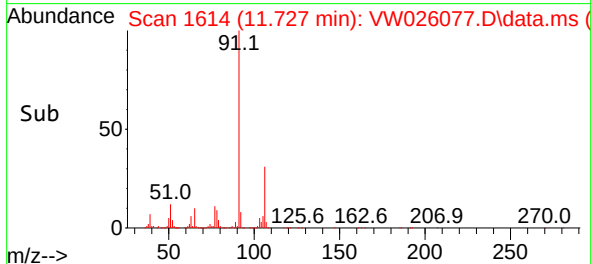
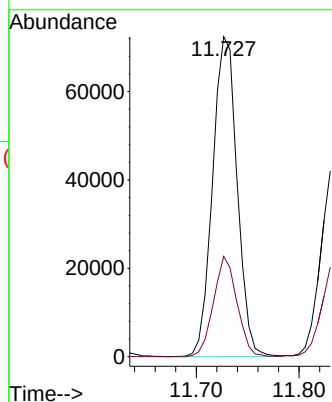
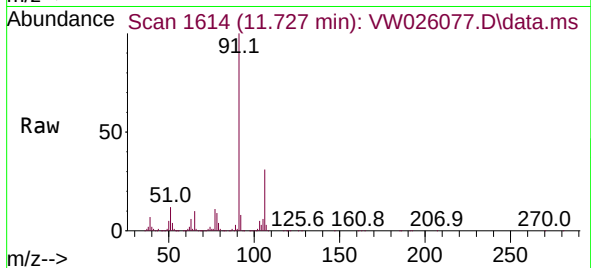
VSTD2.5457

Tgt Ion: 91 Resp: 120121

Ion Ratio Lower Upper

91 100

106 31.4 21.2 39.4



#53

m,p-Xylene

Concen: 2.042 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW026077.D

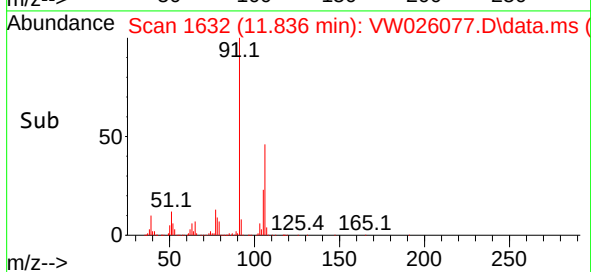
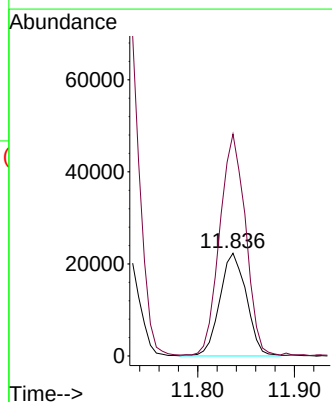
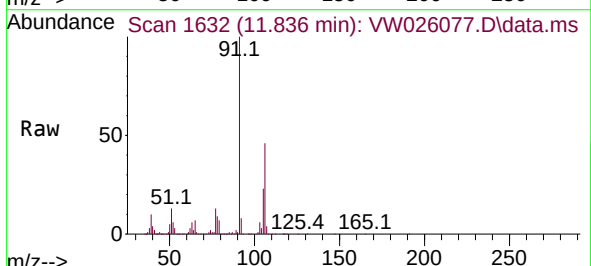
Acq: 30 May 2023 08:59

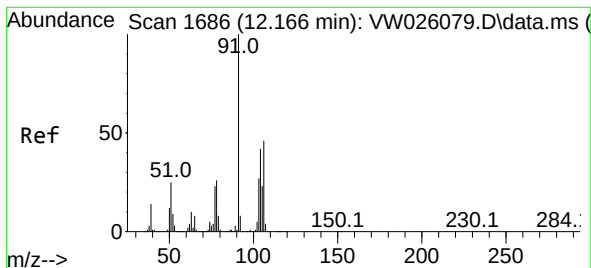
Tgt Ion: 106 Resp: 42654

Ion Ratio Lower Upper

106 100

91 216.1 149.5 277.7





#54

o-Xylene

Concen: 2.014 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

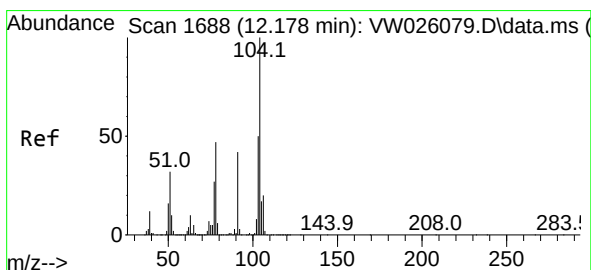
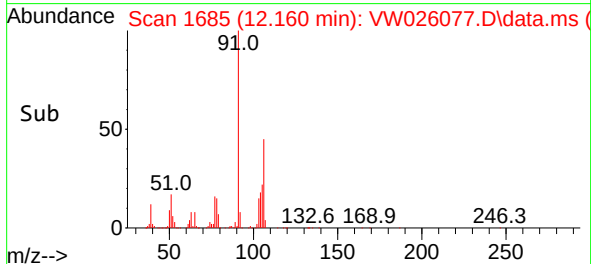
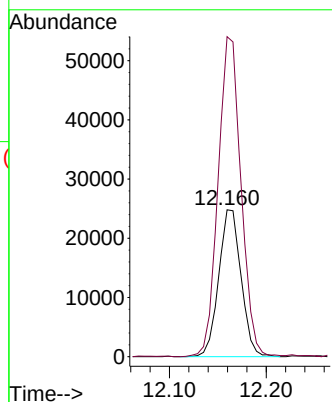
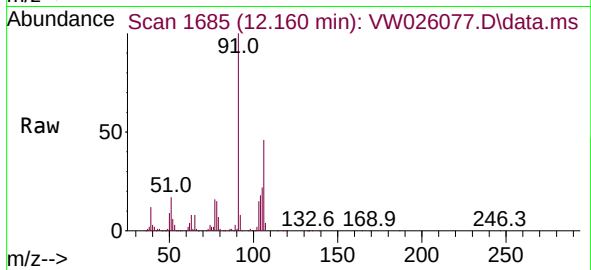
VSTD2.5457

Tgt Ion:106 Resp: 39711

Ion Ratio Lower Upper

106 100

91 217.9 150.9 280.3



#55

Styrene

Concen: 1.963 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW026077.D

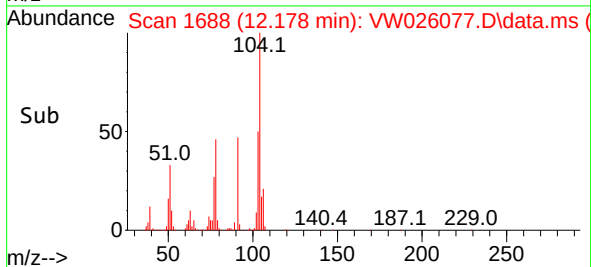
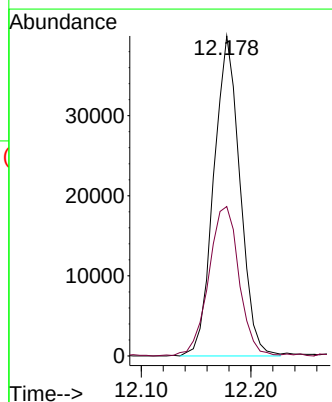
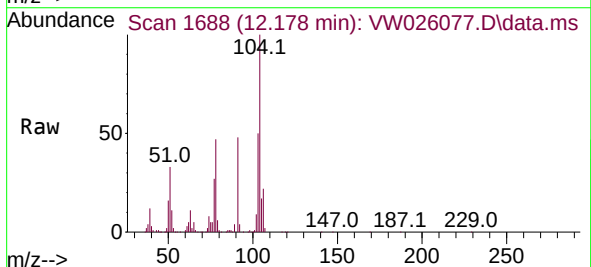
Acq: 30 May 2023 08:59

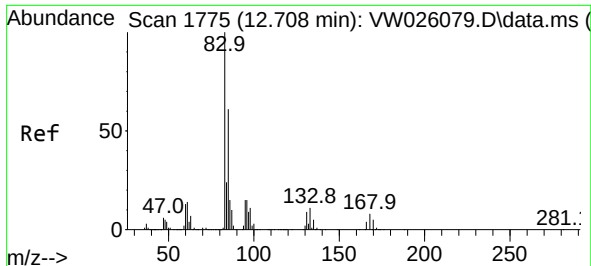
Tgt Ion:104 Resp: 66407

Ion Ratio Lower Upper

104 100

78 46.7 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 2.588 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

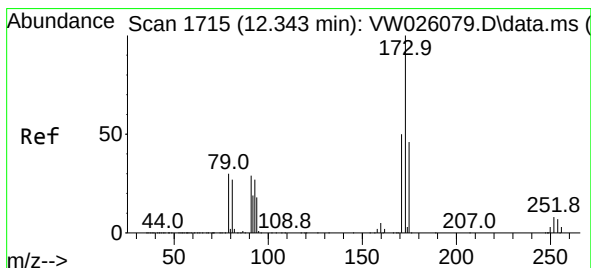
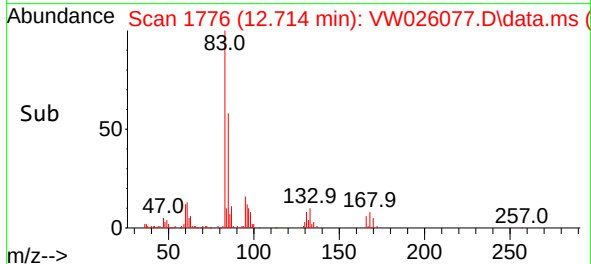
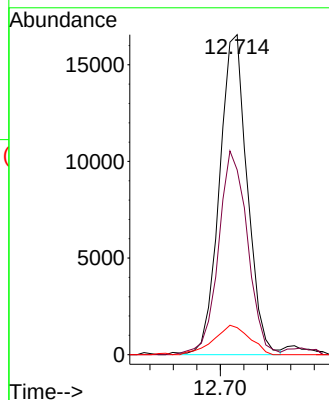
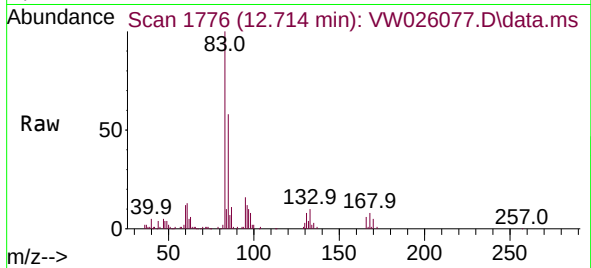
Tgt Ion: 83 Resp: 27209

Ion Ratio Lower Upper

83 100

85 57.7 42.6 79.0

131 8.5 7.2 10.8



#59

Bromoform

Concen: 2.395 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

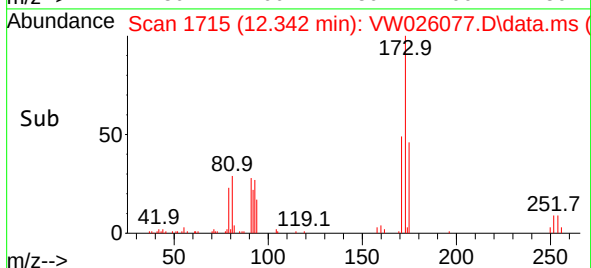
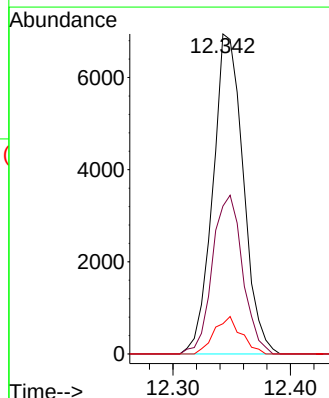
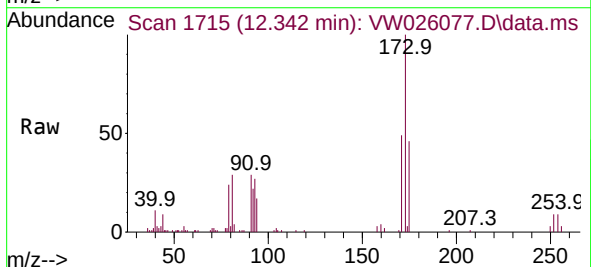
Tgt Ion: 173 Resp: 12486

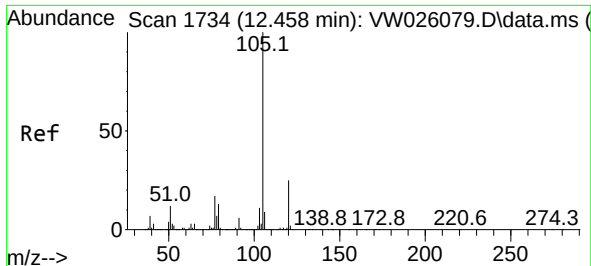
Ion Ratio Lower Upper

173 100

175 49.4 38.6 57.8

254 10.4 7.4 11.0

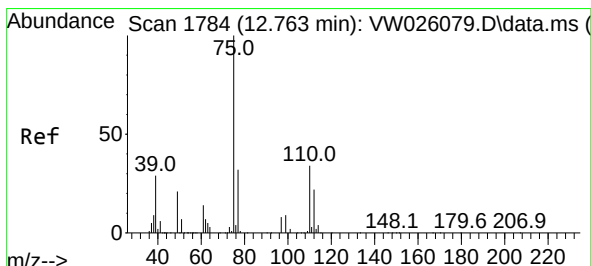
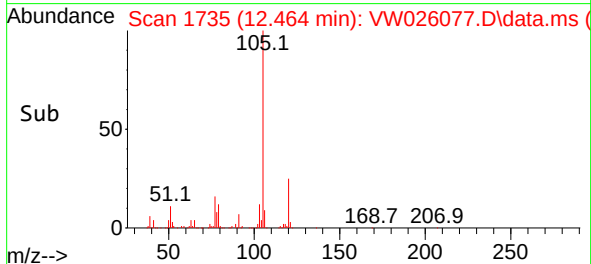
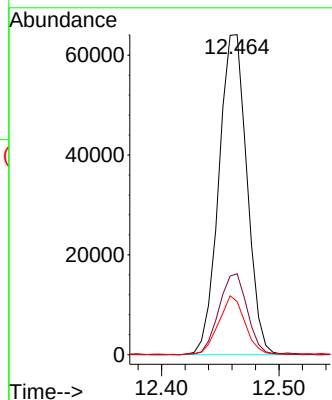
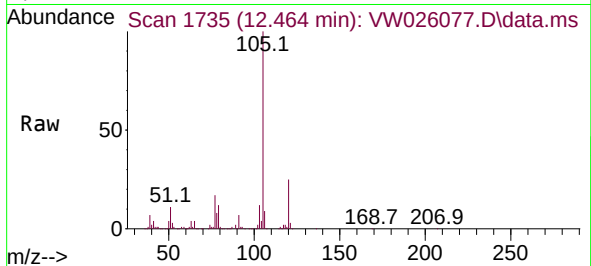




#60
Isopropylbenzene
Concen: 1.959 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

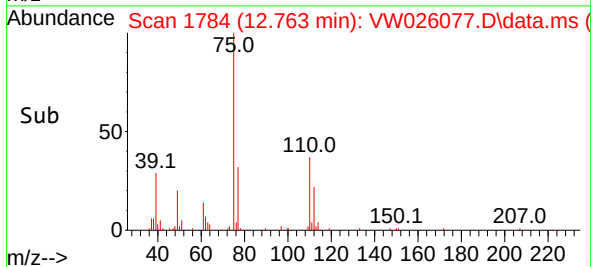
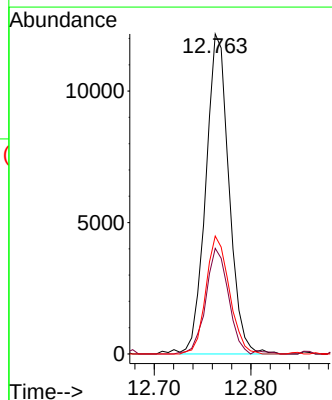
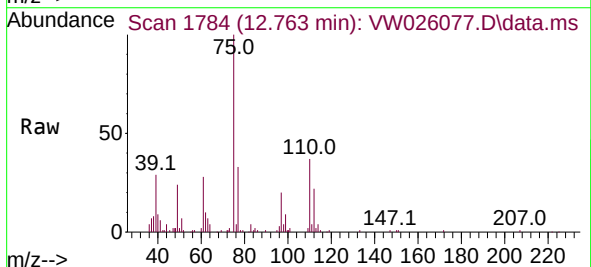
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5457

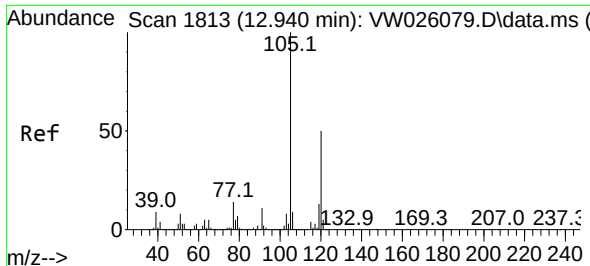
Tgt Ion:105 Resp: 106789
Ion Ratio Lower Upper
105 100
120 25.6 19.8 29.8
77 17.3 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 2.608 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Tgt Ion: 75 Resp: 20273
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
110 37.2 28.7 43.1

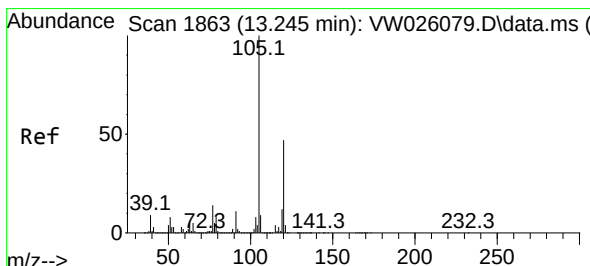
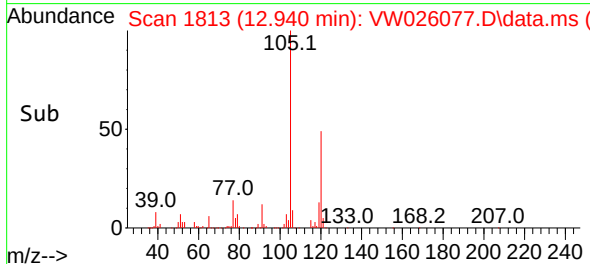
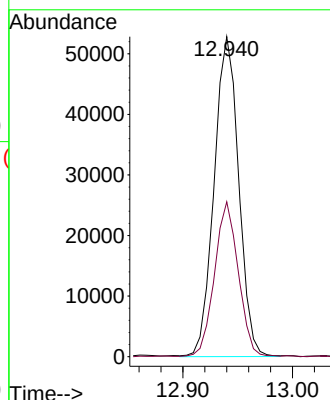
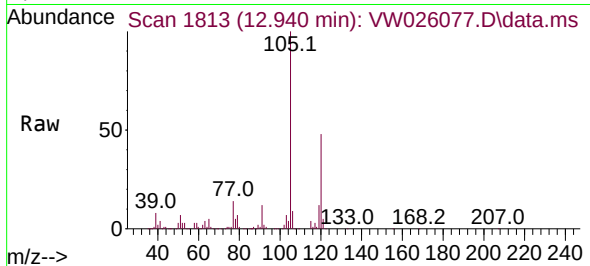




#62
 1,3,5-Trimethylbenzene
 Concen: 1.900 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VW026077.D
 Acq: 30 May 2023 08:59

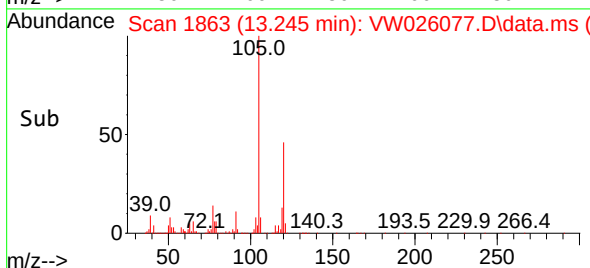
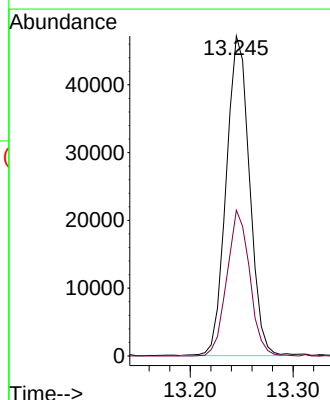
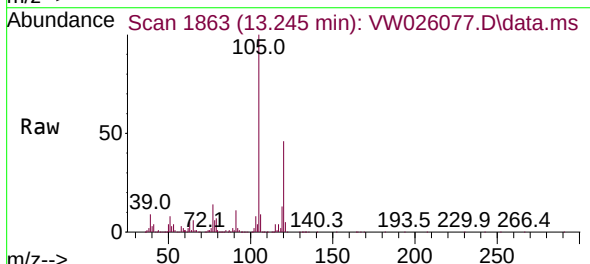
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5457

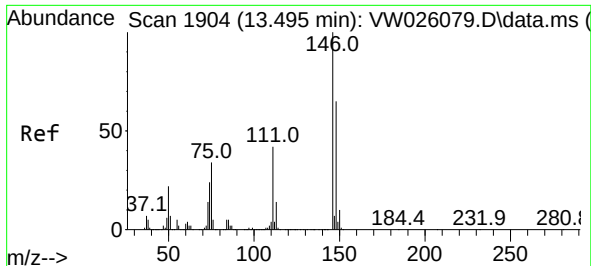
Tgt Ion:105 Resp: 82342
 Ion Ratio Lower Upper
 105 100
 120 46.7 38.8 58.2



#63
 1,2,4-Trimethylbenzene
 Concen: 1.871 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: VW026077.D
 Acq: 30 May 2023 08:59

Tgt Ion:105 Resp: 74293
 Ion Ratio Lower Upper
 105 100
 120 44.7 36.2 54.2

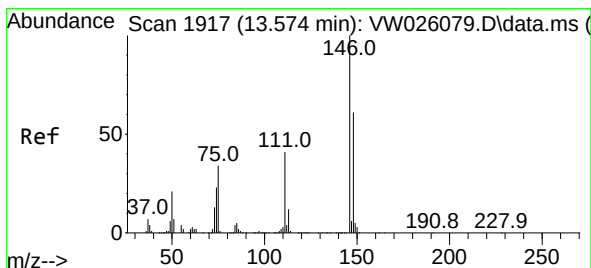
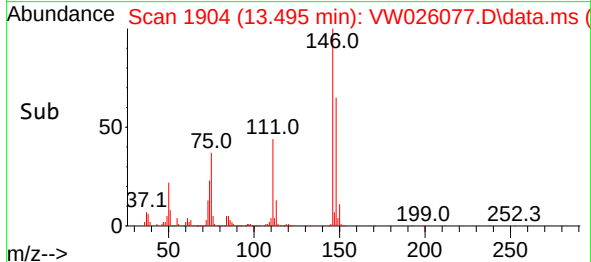
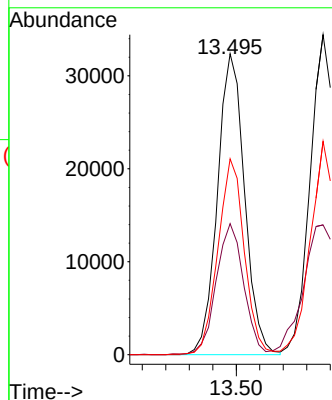
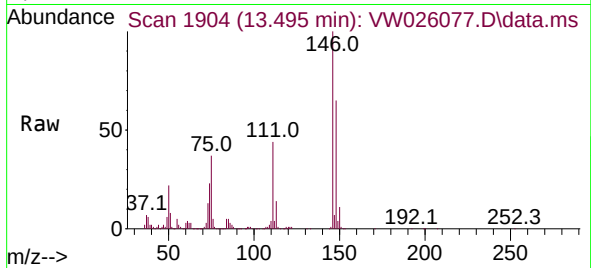




#64
1,3-Dichlorobenzene
Concen: 2.267 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

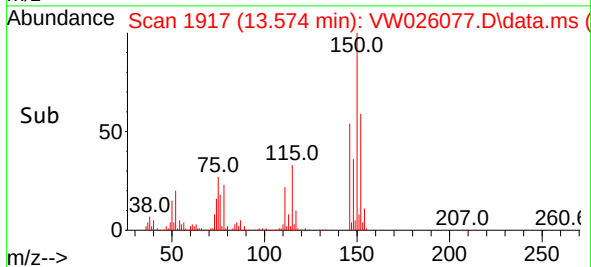
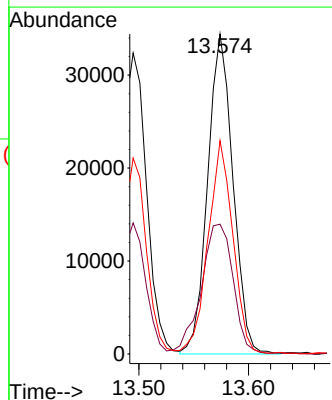
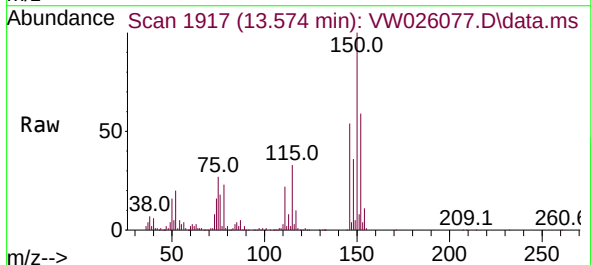
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5457

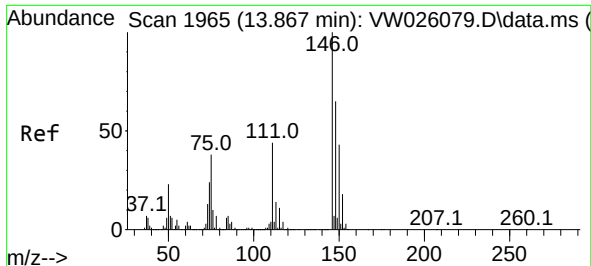
Tgt Ion:146 Resp: 51963
Ion Ratio Lower Upper
146 100
111 43.6 29.7 55.1
148 65.1 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 2.392 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026077.D
Acq: 30 May 2023 08:59

Tgt Ion:146 Resp: 55211
Ion Ratio Lower Upper
146 100
111 40.6 29.2 54.2
148 66.6 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 2.349 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

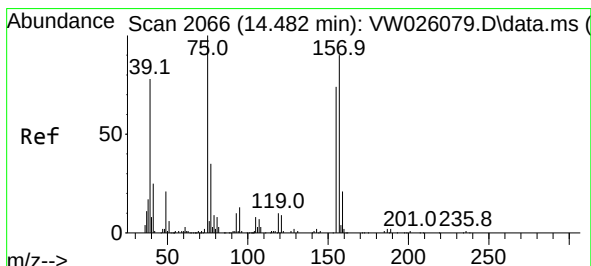
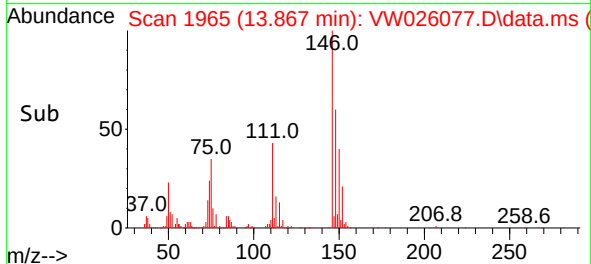
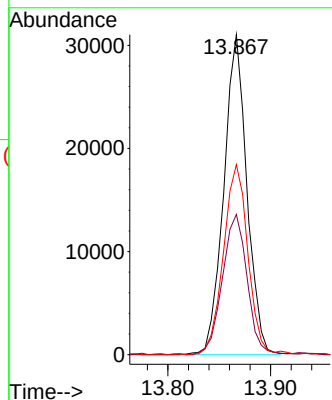
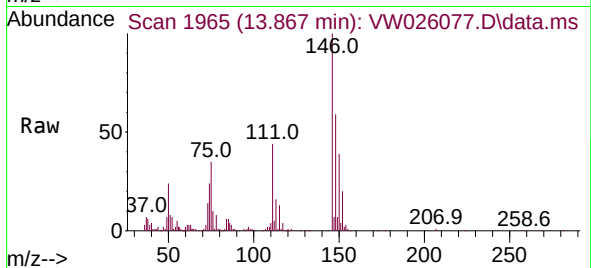
Tgt Ion:146 Resp: 48353

Ion Ratio Lower Upper

146 100

111 43.8 35.4 53.0

148 59.4 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 3.077 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

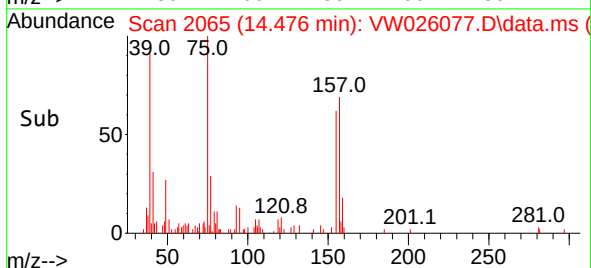
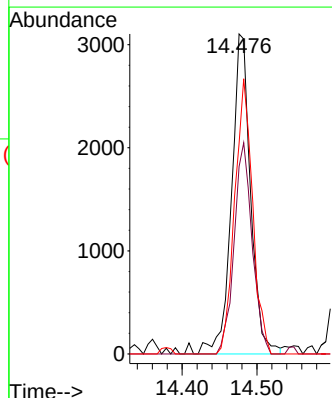
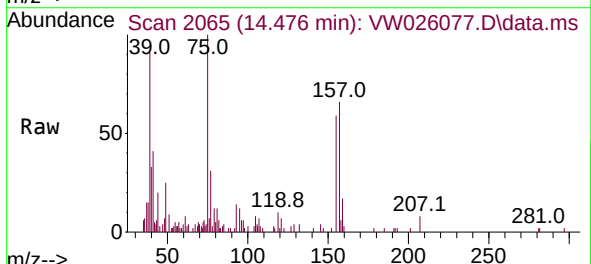
Tgt Ion: 75 Resp: 5543

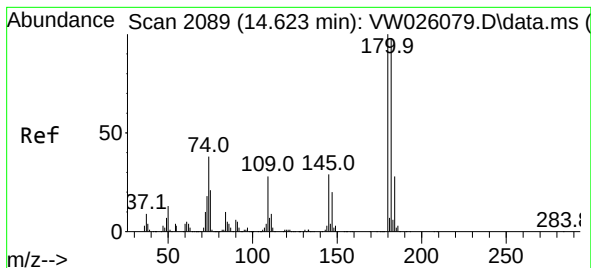
Ion Ratio Lower Upper

75 100

155 58.6 59.0 88.6#

157 65.8 71.7 107.5#





#69

1,3,5-Trichlorobenzene

Concen: 2.263 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

Tgt Ion:180 Resp: 35634

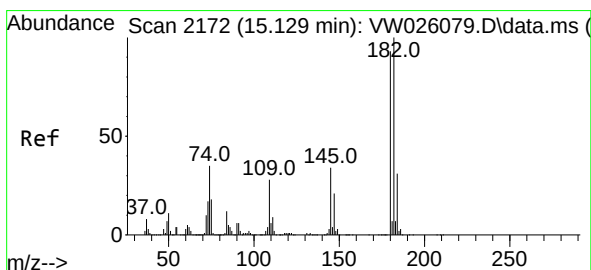
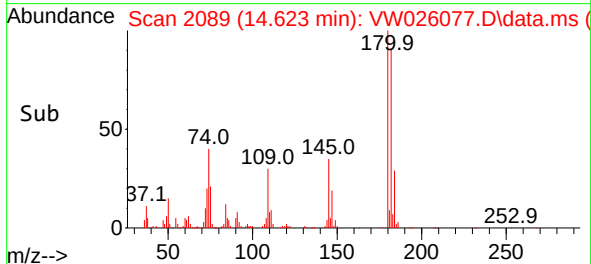
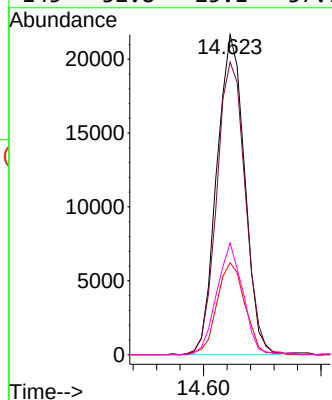
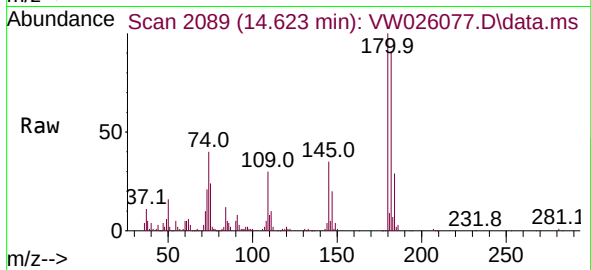
Ion Ratio Lower Upper

180 100

182 93.8 77.0 115.4

184 28.7 23.7 35.5

145 32.8 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 2.210 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

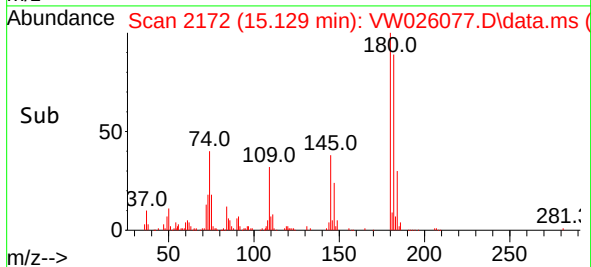
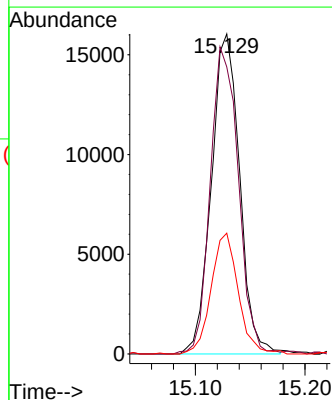
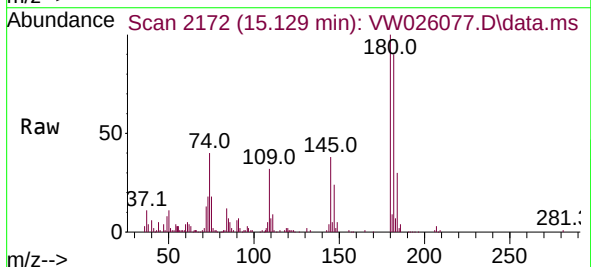
Tgt Ion:180 Resp: 28724

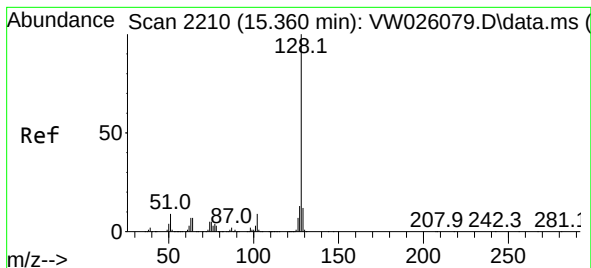
Ion Ratio Lower Upper

180 100

182 95.2 78.9 118.3

145 36.1 27.2 40.8





#71

Naphthalene

Concen: 2.150 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5457

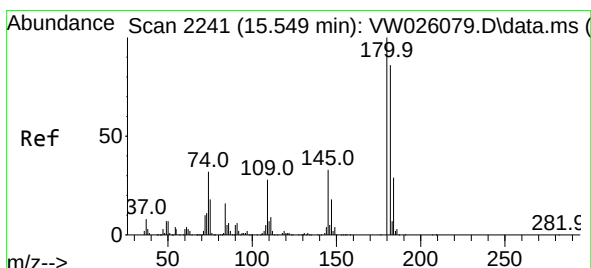
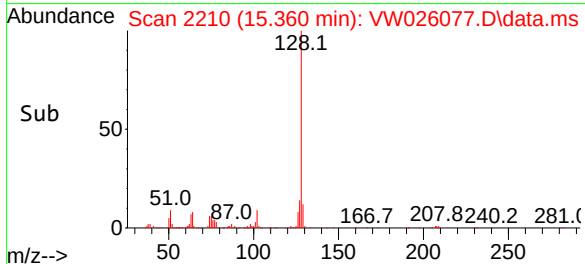
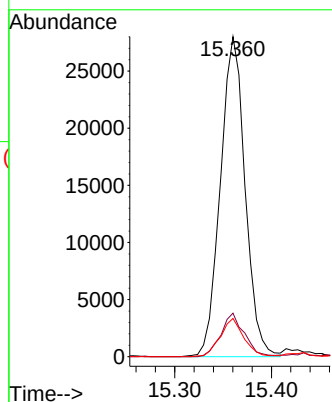
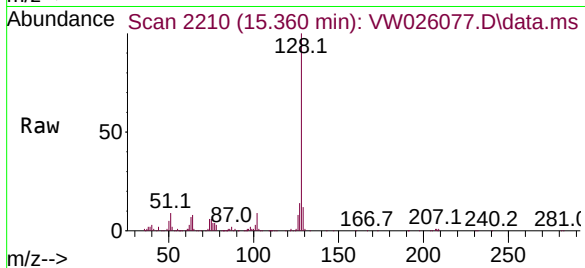
Tgt Ion:128 Resp: 49801

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 11.4 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 2.349 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026077.D

Acq: 30 May 2023 08:59

Tgt Ion:180 Resp: 26675

Ion Ratio Lower Upper

180 100

182 97.1 76.3 114.5

145 36.4 27.0 40.6

