

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062923\
 Data File : VW026460.D
 Acq On : 30 Jun 2023 02:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025544

Quant Time: Jun 30 02:50:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 30 01:16:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	693358	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	780785	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	348477	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	261354	33.105	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 132.440%	
7) Chloroethane-d5	2.893	69	212667	33.082	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 132.320%	
11) 1,1-Dichloroethene-d2	4.021	65	102553	25.963	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 103.840%	
21) 2-Butanone-d5	7.075	46	150395	50.408	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 100.820%	
24) Chloroform-d	7.648	84	449842	26.617	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 106.480%	
26) 1,2-Dichloroethane-d4	8.307	65	271375	29.377	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 117.520%	
32) Benzene-d6	8.276	84	882139	19.426	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 77.720%	
36) 1,2-Dichloropropane-d6	9.270	67	282573	19.524	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 78.080%	
41) Toluene-d8	10.325	98	1038296	25.885	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 103.560%	
43) trans-1,3-Dichloroprop...	10.575	79	139134	23.850	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 95.400%	
47) 2-Hexanone-d5	10.922	63	134779	55.686	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 111.380%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	289519	25.908	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 103.640%	
66) 1,2-Dichlorobenzene-d4	13.848	152	251972	20.766	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 83.080%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	167582	24.769	ug/L	94
3) Chloromethane	2.223	50	251519	26.372	ug/L	97
5) Vinyl chloride	2.375	62	304864	31.016	ug/L	97
6) Bromomethane	2.783	94	182435	32.636	ug/L	98
8) Chloroethane	2.930	64	192427	32.278	ug/L	96
9) Trichlorofluoromethane	3.265	101	165890	23.210	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	186212	23.473	ug/L	95
12) 1,1-Dichloroethene	4.045	96	183883	23.682	ug/L	96
13) Acetone	4.119	43	94475	44.826	ug/L	92
14) Carbon disulfide	4.393	76	604354	24.051	ug/L	98
15) Methyl Acetate	4.667	43	127968	27.963	ug/L	99
16) Methylene chloride	4.917	84	254870	21.754	ug/L	95
17) trans-1,2-Dichloroethene	5.429	96	209066	25.031	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	398491	29.194	ug/L	95
19) 1,1-Dichloroethane	6.216	63	438328	26.081	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	234056	24.740	ug/L	98
22) 2-Butanone	7.167	43	162461	47.016	ug/L	97
23) Bromochloromethane	7.514	128	99513	25.291	ug/L	97
25) Chloroform	7.673	83	420208	25.760	ug/L	100

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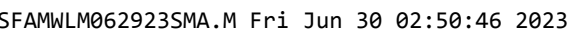
Instrument :
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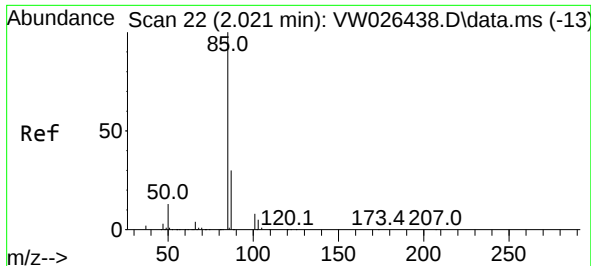
Quant Time: Jun 30 02:50:36 2023
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 Quant Title : SFAM01.0
 QLast Update : Fri Jun 30 01:16:39 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	320705	28.754	ug/L	97
29) Cyclohexane	7.953	56	382063	17.261	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	334902	20.135	ug/L	98
31) Carbon tetrachloride	8.069	117	291805	19.487	ug/L	100
33) Benzene	8.325	78	900835	18.424	ug/L	100
34) Trichloroethene	9.093	95	231870	18.616	ug/L	97
35) Methylcyclohexane	9.337	83	390340	17.591	ug/L	98
37) 1,2-Dichloropropane	9.368	63	247757	19.087	ug/L	99
38) Bromodichloromethane	9.642	83	300920	20.655	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	451207	23.225	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	445529	49.991	ug/L	100
42) Toluene	10.386	91	1187391	23.736	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	385241	24.263	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	221516	25.053	ug/L	98
46) Tetrachloroethene	10.861	164	202983	23.051	ug/L	96
48) 2-Hexanone	10.965	43	308434	51.561	ug/L	99
49) Dibromochloromethane	11.129	129	231047	26.235	ug/L	100
50) 1,2-Dibromoethane	11.233	107	206255	25.368	ug/L	99
51) Chlorobenzene	11.654	112	745924	24.100	ug/L	98
52) Ethylbenzene	11.727	91	1349951	23.982	ug/L	97
53) m,p-Xylene	11.837	106	487043	23.334	ug/L	96
54) o-Xylene	12.166	106	482831	24.941	ug/L	96
55) Styrene	12.178	104	825288	24.975	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.715	83	271798	25.174	ug/L	99
59) Bromoform	12.349	173	120725	26.164	ug/L	97
60) Isopropylbenzene	12.459	105	1327850	26.124	ug/L	100
61) 1,2,3-Trichloropropane	12.769	75	207721	27.272	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1115949	27.610	ug/L	99
63) 1,2,4-Trimethylbenzene	13.251	105	1066219	27.003	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	508181	23.830	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	472928	22.298	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	402742	20.869	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	37988	21.765	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.623	180	280463	19.319	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	242981	19.338	ug/L	97
71) Naphthalene	15.360	128	575806	22.482	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	220757	20.431	ug/L	99

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

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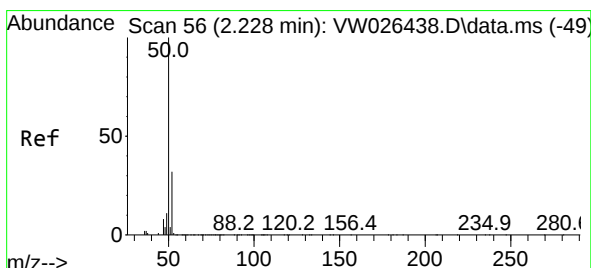
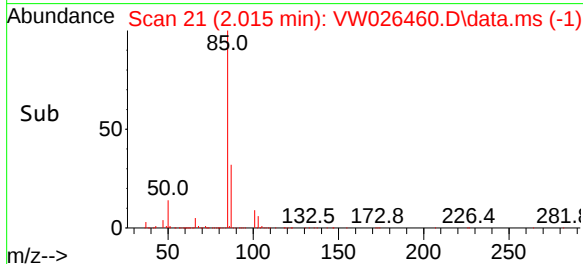
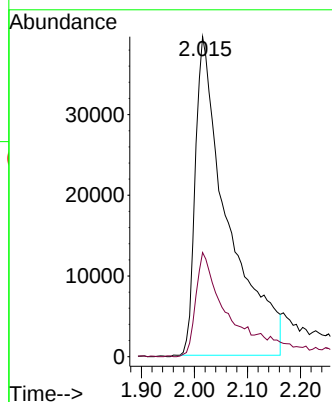
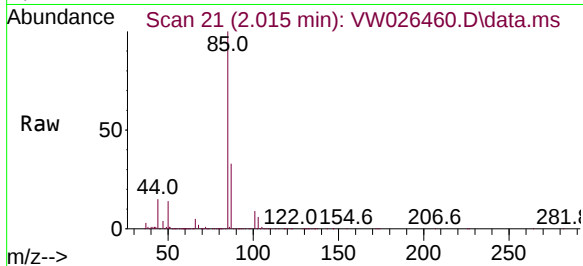




#2
 Dichlorodifluoromethane
 Concen: 24.769 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW026460.D
 Acq: 30 Jun 2023 02:27

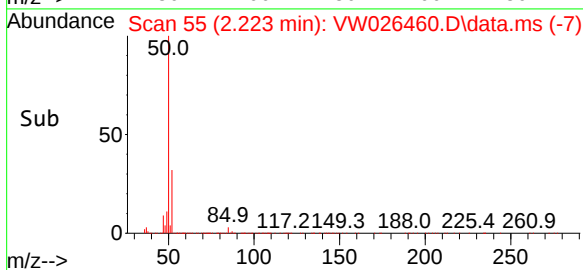
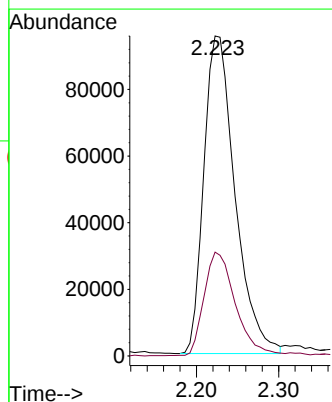
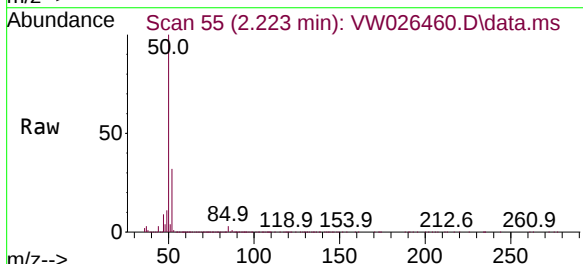
Instrument :
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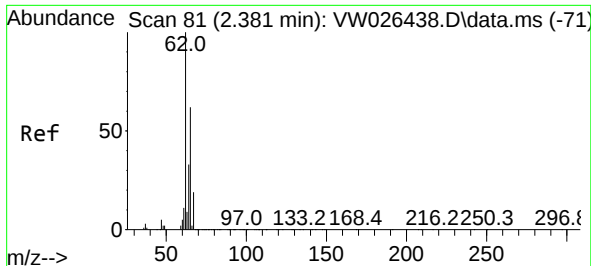
Tgt Ion: 85 Resp: 167582
 Ion Ratio Lower Upper
 85 100
 87 26.4 19.0 28.4



#3
 Chloromethane
 Concen: 26.372 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW026460.D
 Acq: 30 Jun 2023 02:27

Tgt Ion: 50 Resp: 251519
 Ion Ratio Lower Upper
 50 100
 52 32.4 21.7 40.3

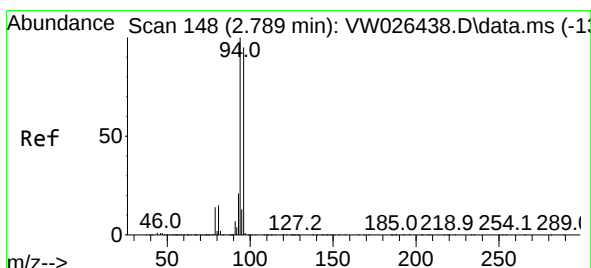
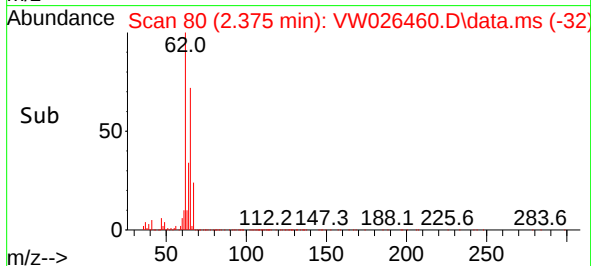
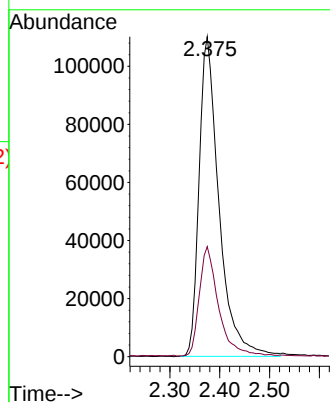
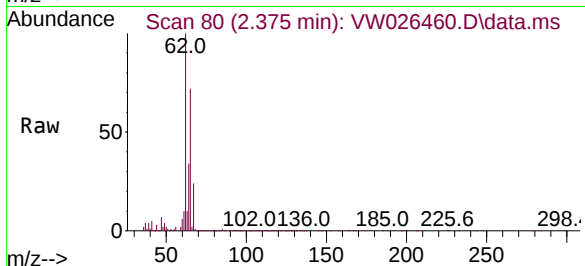




#5
 Vinyl chloride
 Concen: 31.016 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VW026460.D
 Acq: 30 Jun 2023 02:27

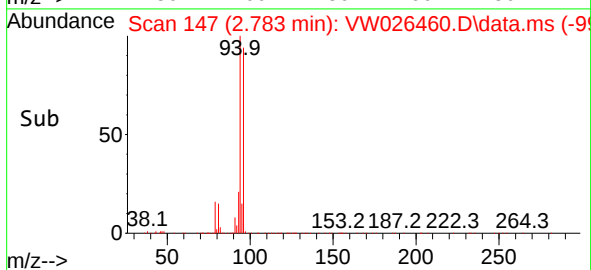
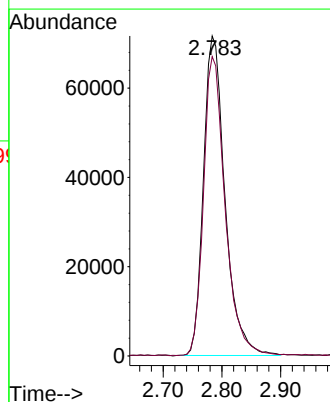
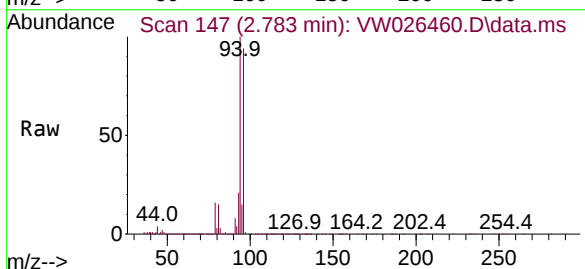
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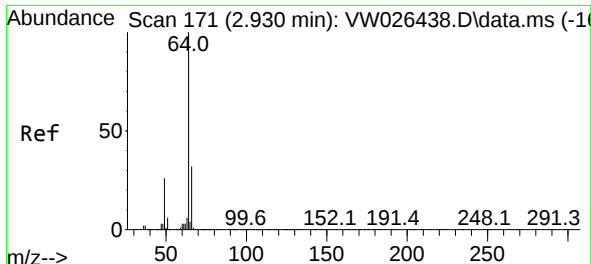
Tgt Ion: 62 Resp: 304864
 Ion Ratio Lower Upper
 62 100
 64 34.4 23.0 42.8



#6
 Bromomethane
 Concen: 32.636 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026460.D
 Acq: 30 Jun 2023 02:27

Tgt Ion: 94 Resp: 182435
 Ion Ratio Lower Upper
 94 100
 96 93.6 64.3 119.3

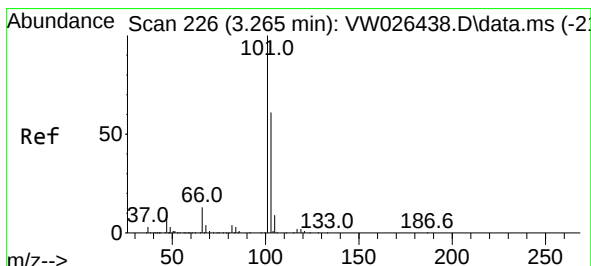
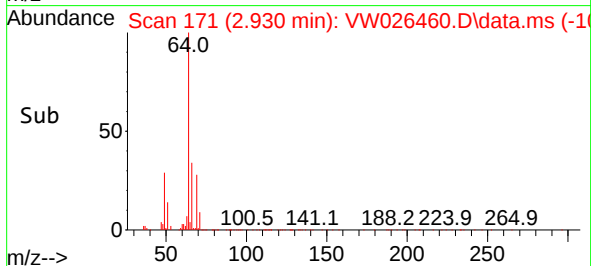
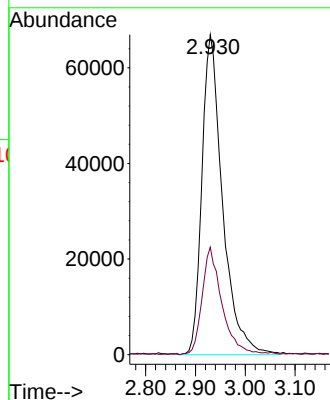
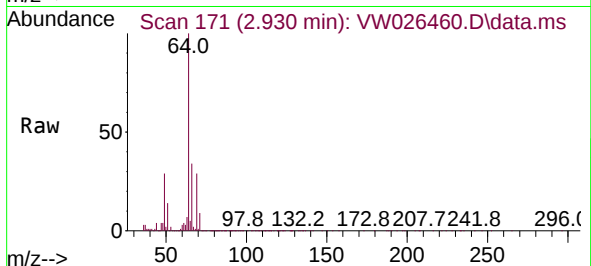




#8
Chloroethane
Concen: 32.278 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

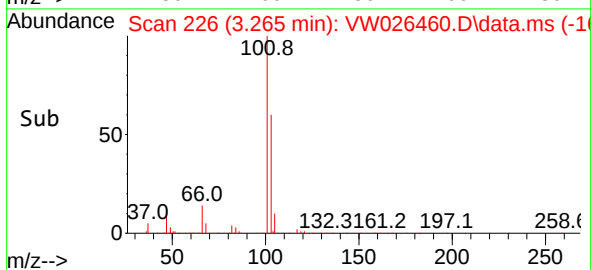
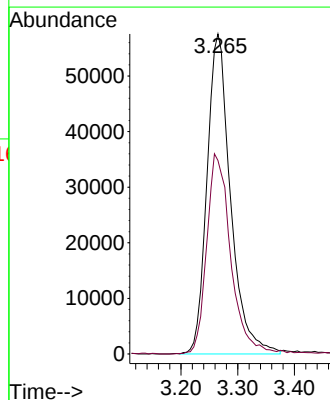
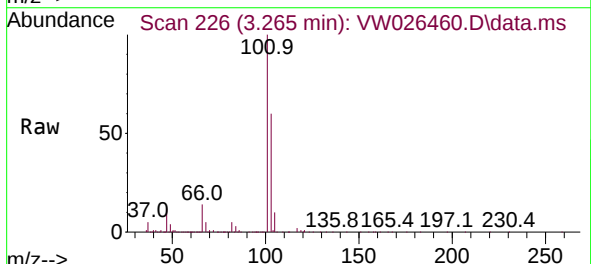
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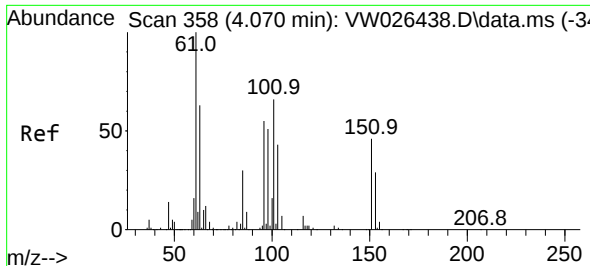
Tgt Ion: 64 Resp: 192427
Ion Ratio Lower Upper
64 100
66 33.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 23.210 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 101 Resp: 165890
Ion Ratio Lower Upper
101 100
103 63.0 52.0 78.0

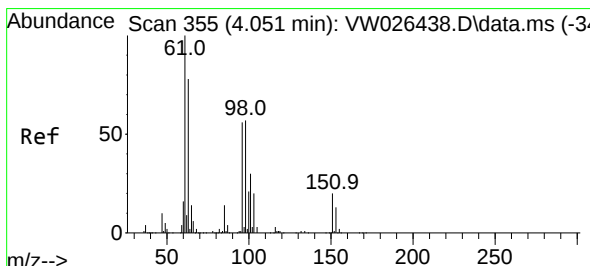
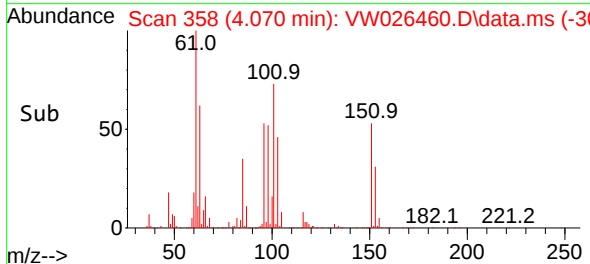
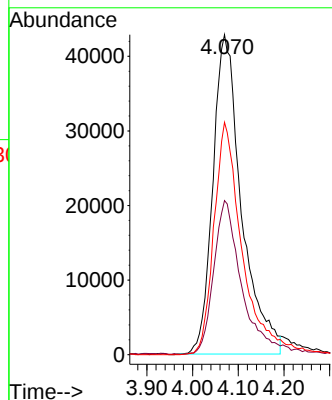
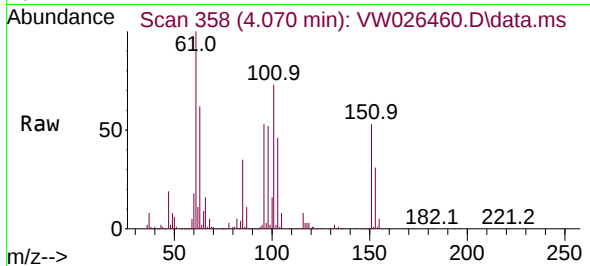




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.473 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW026460.D
 Acq: 30 Jun 2023 02:27

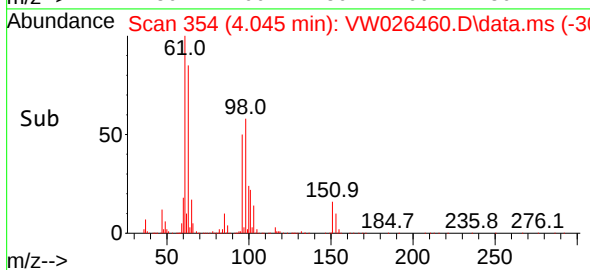
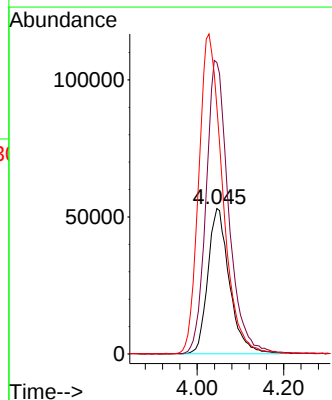
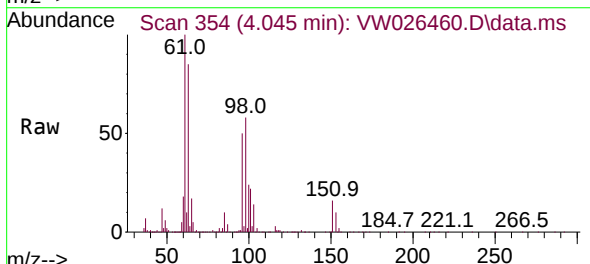
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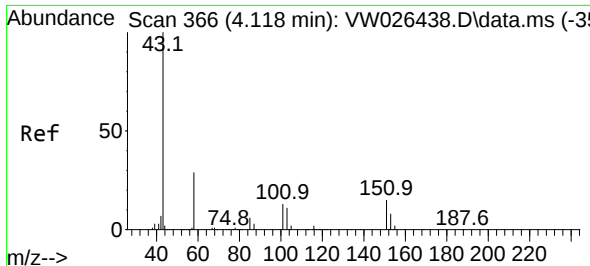
Tgt Ion:101 Resp: 186212
 Ion Ratio Lower Upper
 101 100
 85 46.3 34.1 51.1
 151 70.8 53.7 80.5



#12
 1,1-Dichloroethene
 Concen: 23.682 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.006 min
 Lab File: VW026460.D
 Acq: 30 Jun 2023 02:27

Tgt Ion: 96 Resp: 183883
 Ion Ratio Lower Upper
 96 100
 61 200.5 134.0 248.8
 63 170.1 117.1 217.5

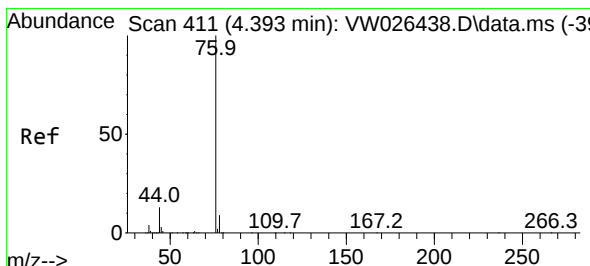
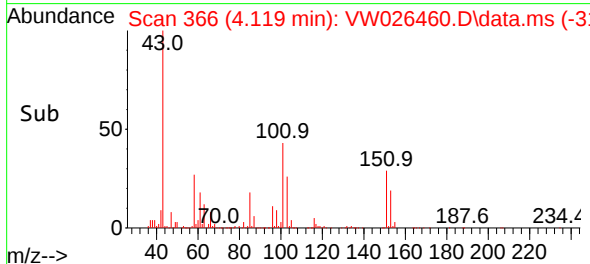
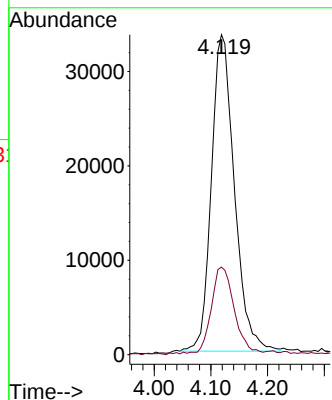
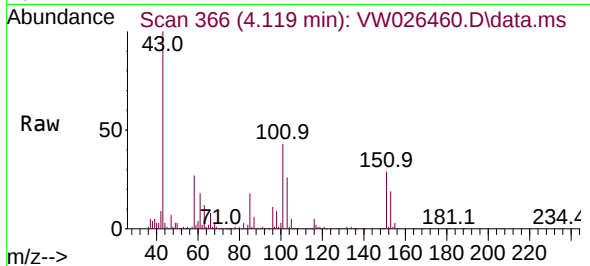




#13
Acetone
Concen: 44.826 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

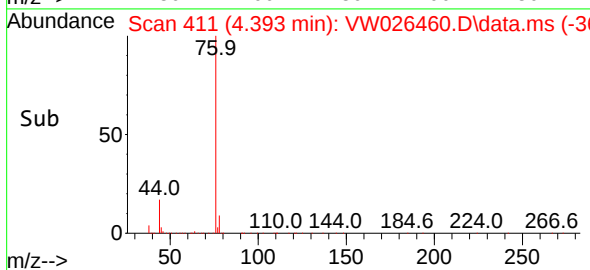
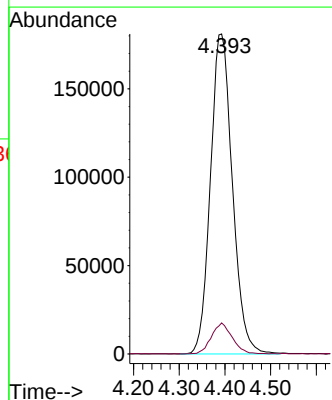
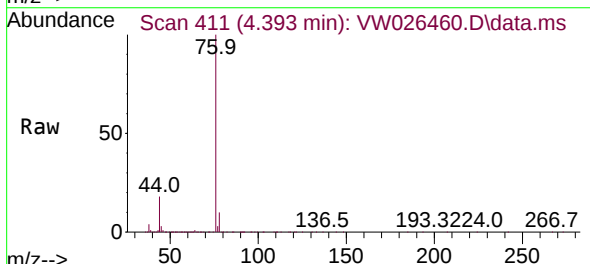
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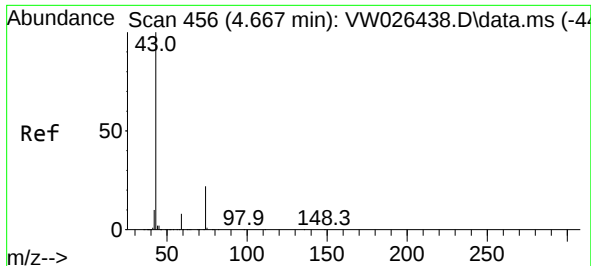
Tgt Ion: 43 Resp: 94475
Ion Ratio Lower Upper
43 100
58 27.1 0.0 63.2



#14
Carbon disulfide
Concen: 24.051 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 76 Resp: 604354
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7

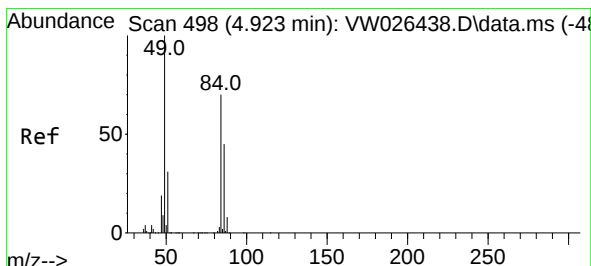
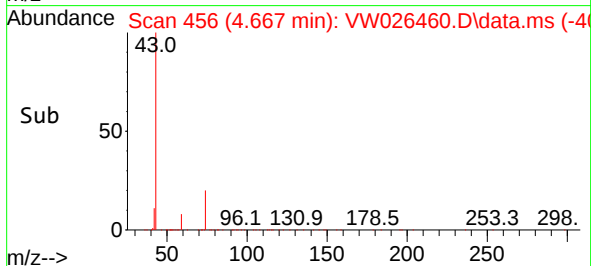
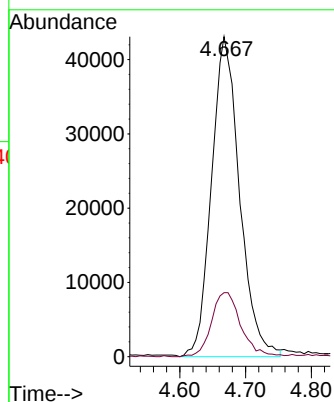
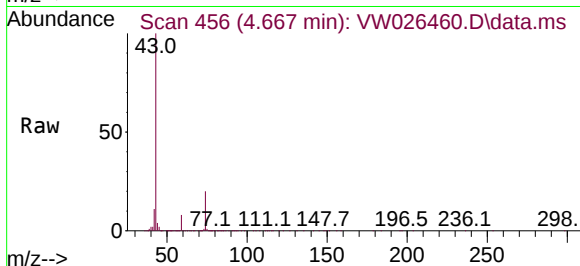




#15
Methyl Acetate
Concen: 27.963 ug/L
RT: 4.667 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

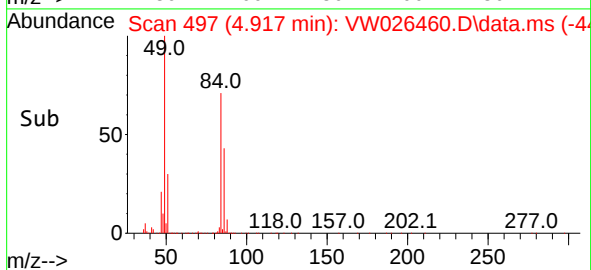
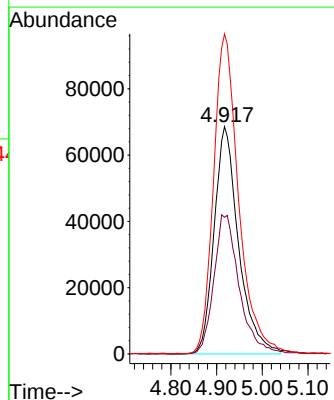
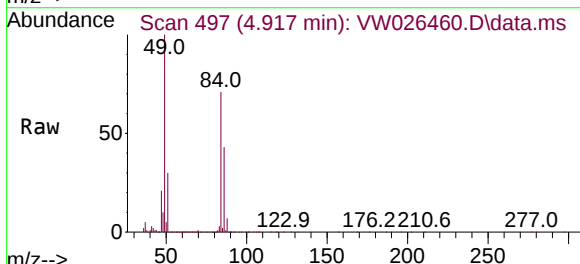
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

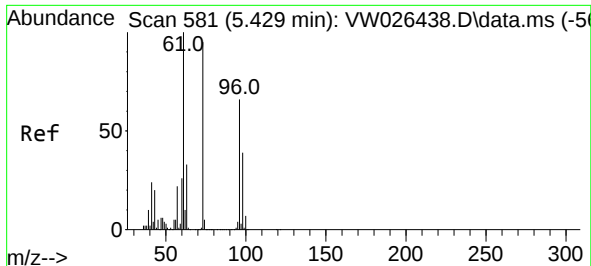
Tgt Ion: 43 Resp: 127968
Ion Ratio Lower Upper
43 100
74 21.0 16.6 24.8



#16
Methylene chloride
Concen: 21.754 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 84 Resp: 254870
Ion Ratio Lower Upper
84 100
86 60.1 44.1 81.9
49 140.7 94.1 174.8

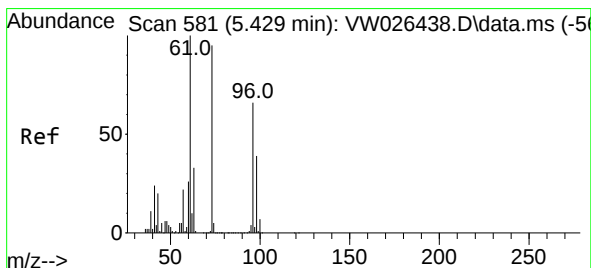
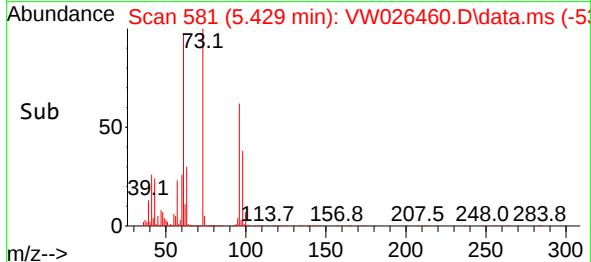
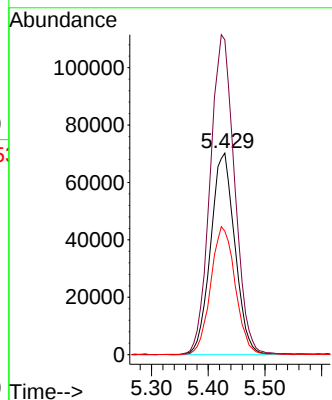
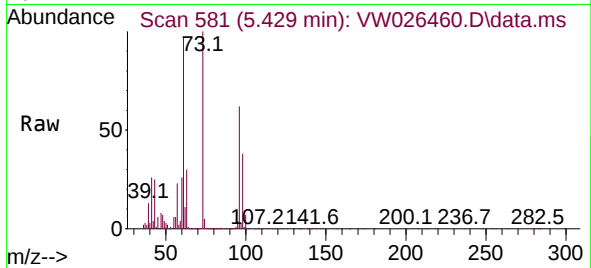




#17
trans-1,2-Dichloroethene
Concen: 25.031 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

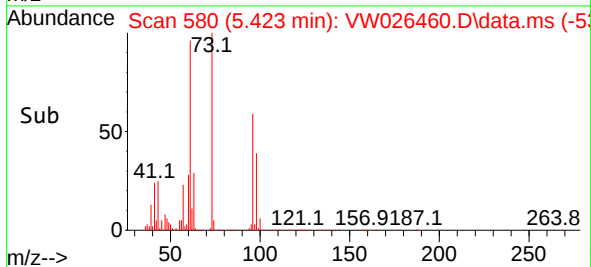
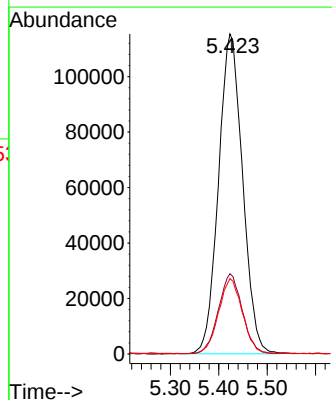
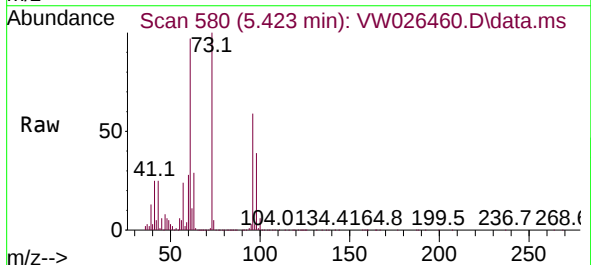
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

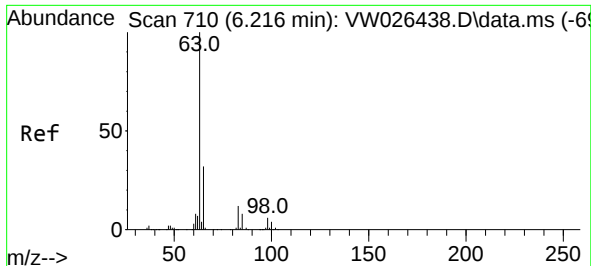
Tgt Ion: 96 Resp: 209066
Ion Ratio Lower Upper
96 100
61 156.2 105.2 195.4
98 61.3 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 29.194 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 73 Resp: 398491
Ion Ratio Lower Upper
73 100
43 24.6 16.6 25.0
57 23.3 19.3 28.9





#19

1,1-Dichloroethane

Concen: 26.081 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025544

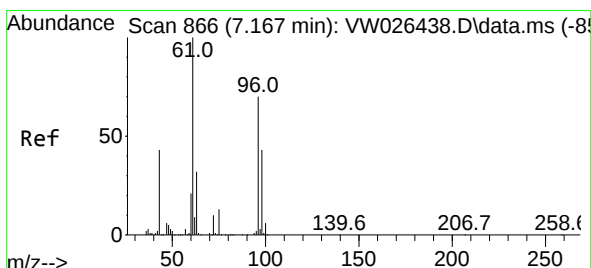
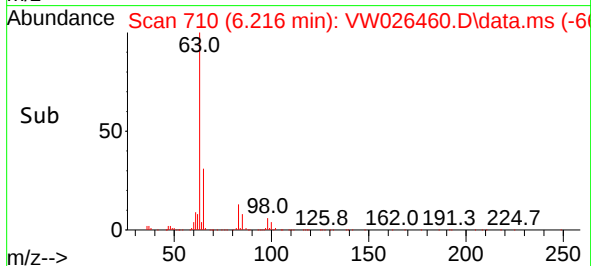
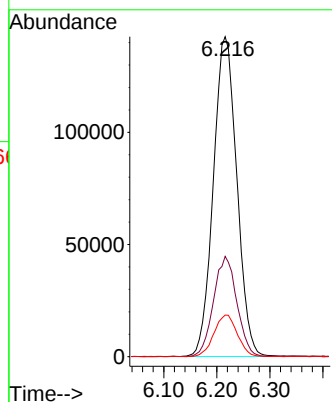
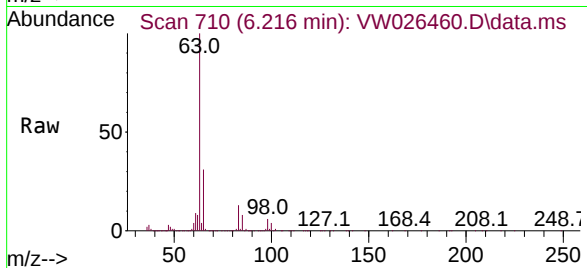
Tgt Ion: 63 Resp: 438328

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

83 13.0 8.3 15.3



#20

cis-1,2-Dichloroethene

Concen: 24.740 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

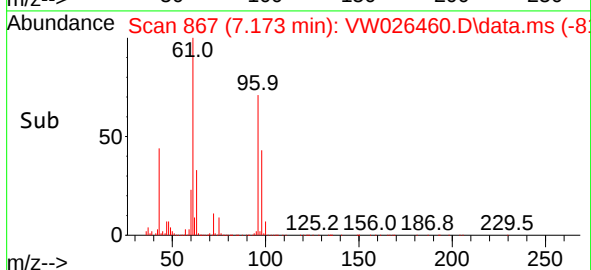
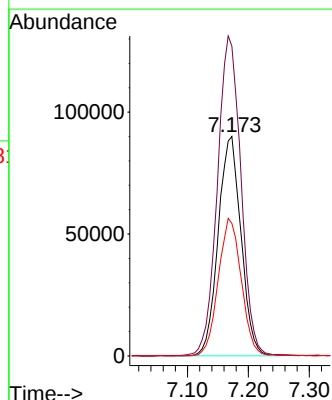
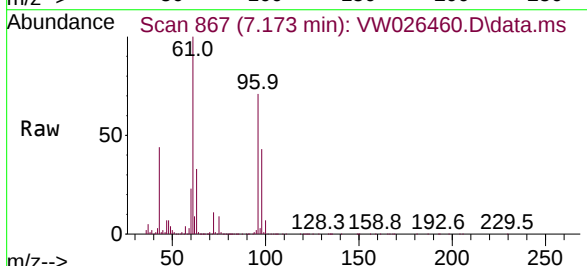
Tgt Ion: 96 Resp: 234056

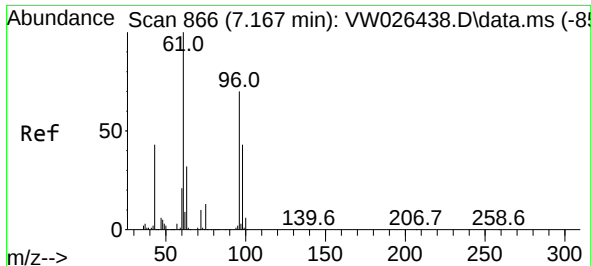
Ion Ratio Lower Upper

96 100

61 141.1 99.3 184.5

98 60.4 44.3 82.3

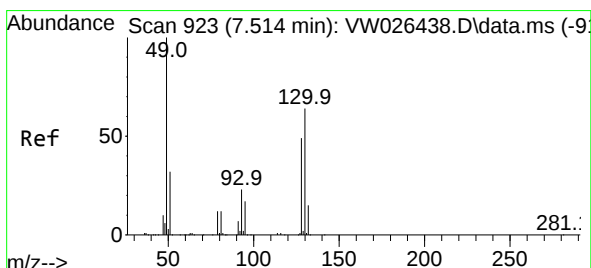
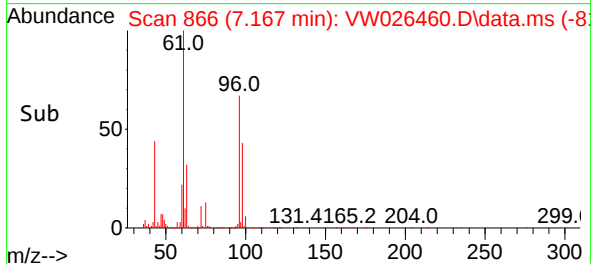
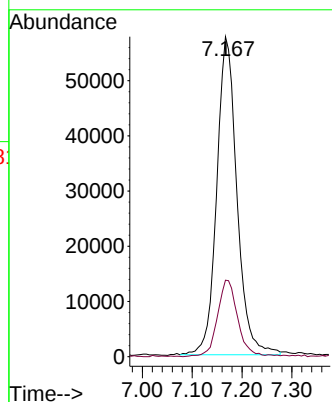
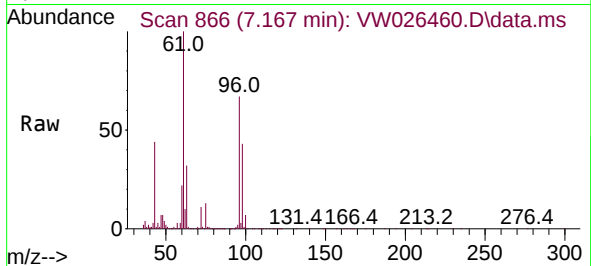




#22
2-Butanone
Concen: 47.016 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

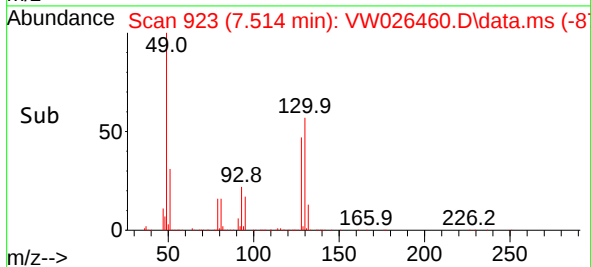
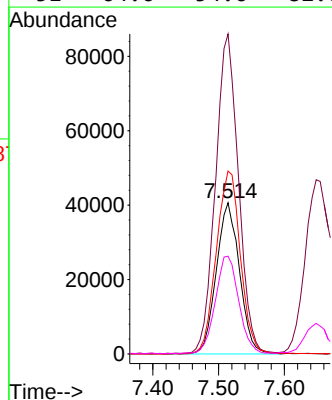
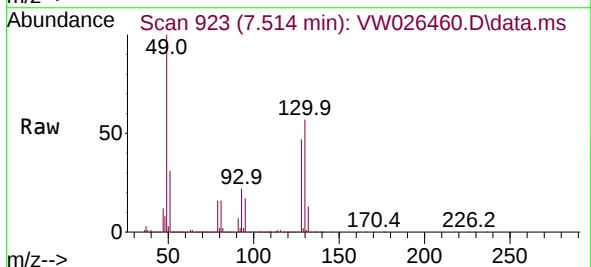
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

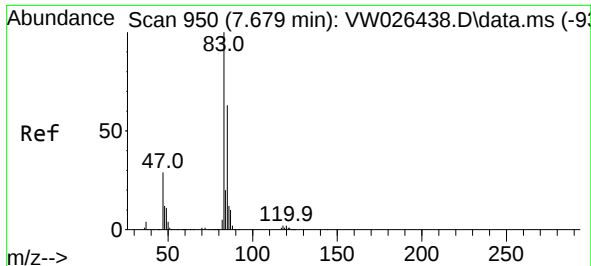
Tgt Ion: 43 Resp: 162461
Ion Ratio Lower Upper
43 100
72 23.9 12.6 37.8



#23
Bromochloromethane
Concen: 25.291 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 128 Resp: 99513
Ion Ratio Lower Upper
128 100
49 211.5 149.2 277.2
130 120.9 89.2 165.8
51 64.6 54.6 82.0

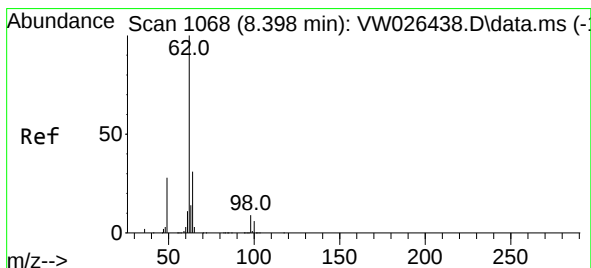
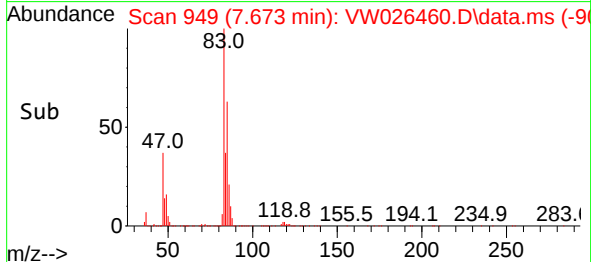
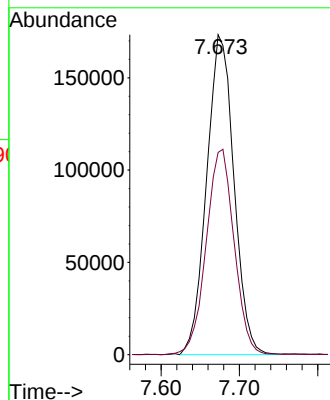
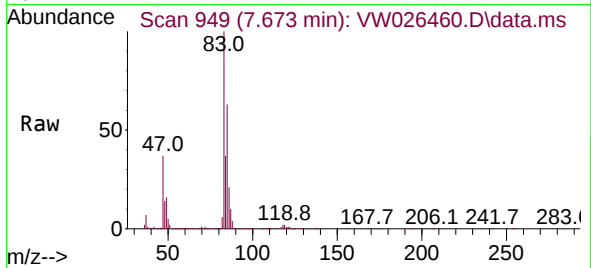




#25
Chloroform
Concen: 25.760 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

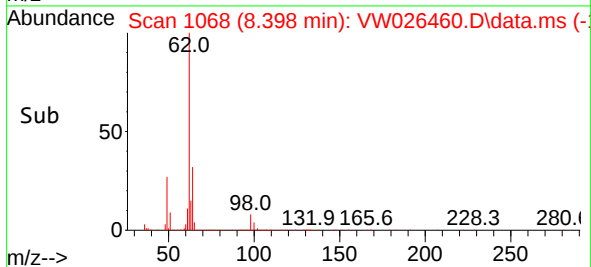
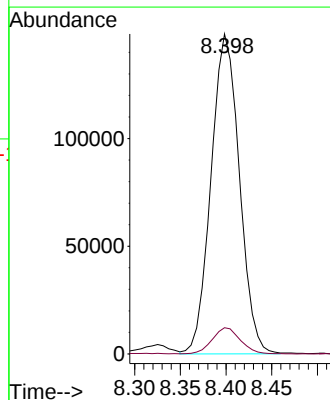
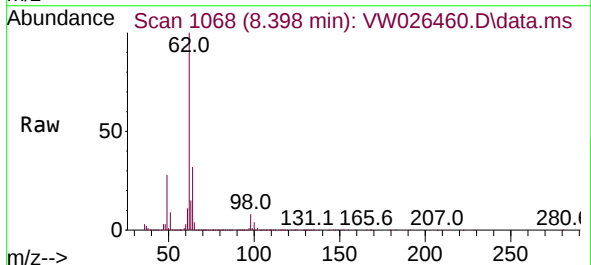
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

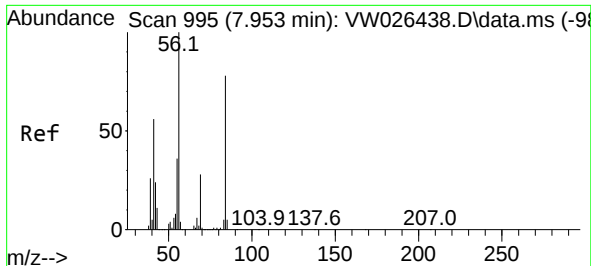
Tgt Ion: 83 Resp: 420208
Ion Ratio Lower Upper
83 100
85 63.2 44.4 82.4



#27
1,2-Dichloroethane
Concen: 28.754 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 62 Resp: 320705
Ion Ratio Lower Upper
62 100
98 8.2 7.6 11.4





#29

Cyclohexane

Concen: 17.261 ug/L

RT: 7.953 min Scan# 995

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025544

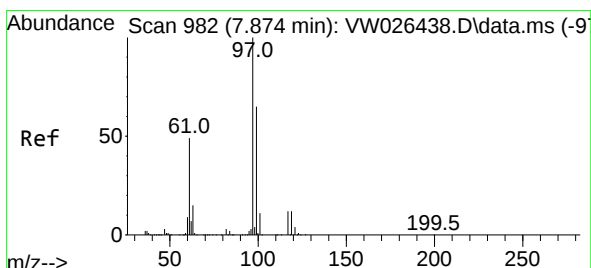
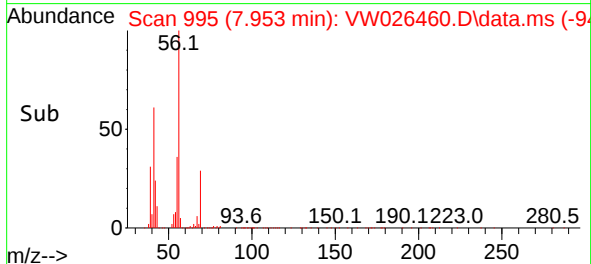
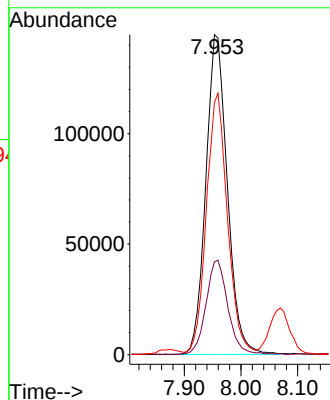
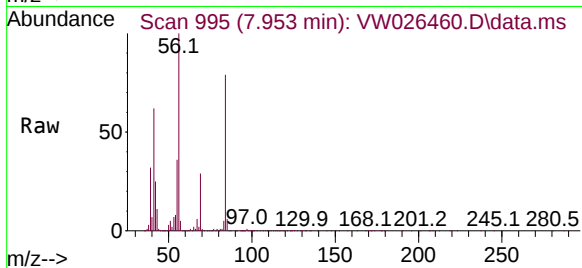
Tgt Ion: 56 Resp: 382063

Ion Ratio Lower Upper

56 100

69 29.6 23.2 34.8

84 80.1 63.5 95.3



#30

1,1,1-Trichloroethane

Concen: 20.135 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

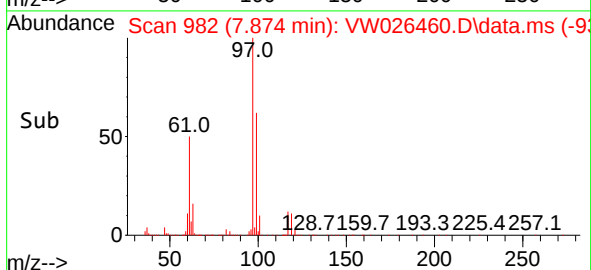
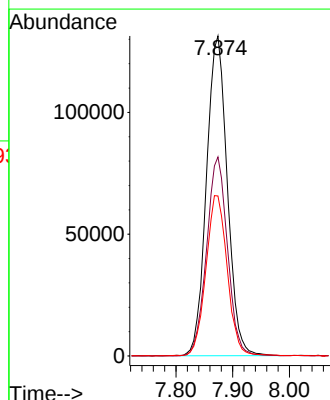
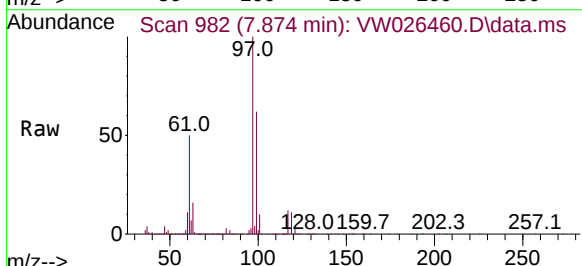
Tgt Ion: 97 Resp: 334902

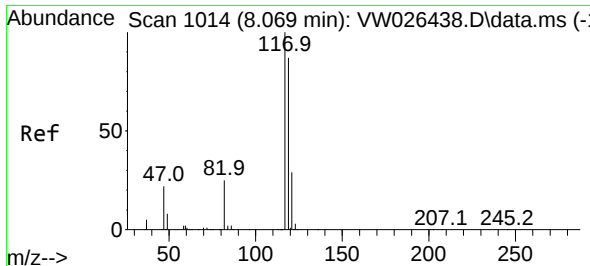
Ion Ratio Lower Upper

97 100

99 62.6 51.3 76.9

61 50.8 39.5 59.3

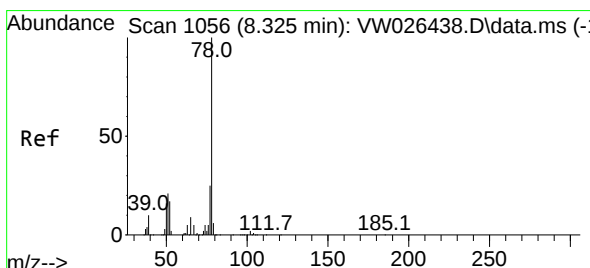
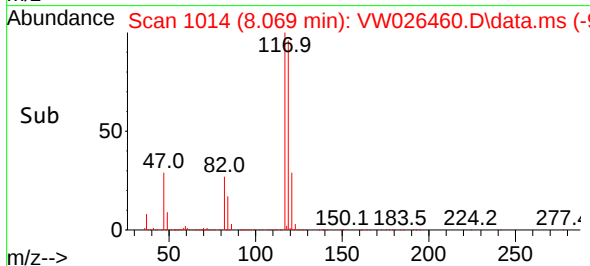
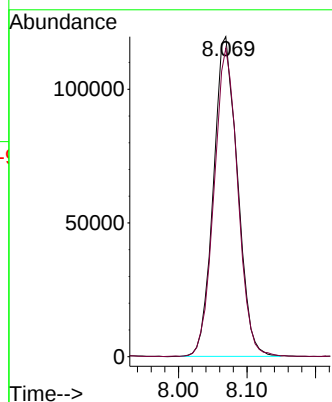
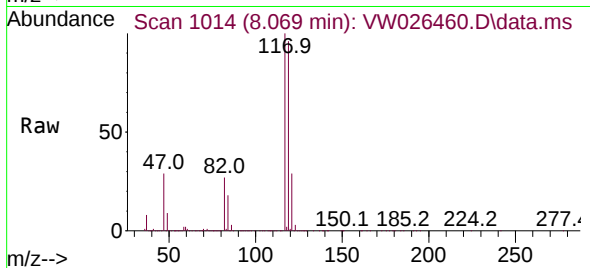




#31
Carbon tetrachloride
Concen: 19.487 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

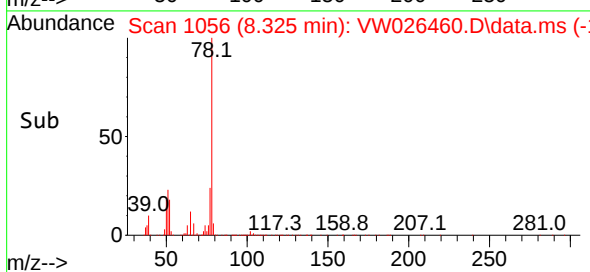
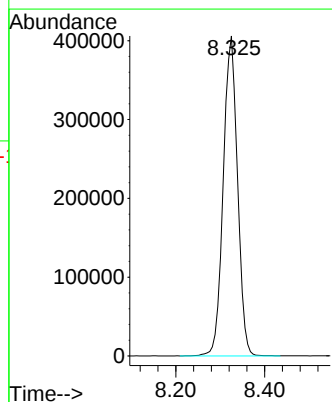
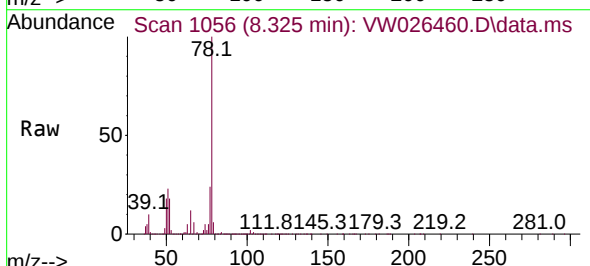
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

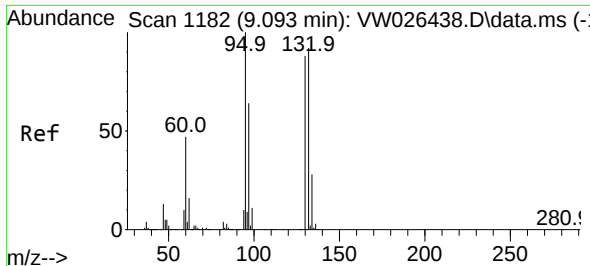
Tgt Ion:117 Resp: 291805
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.2



#33
Benzene
Concen: 18.424 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 78 Resp: 900835



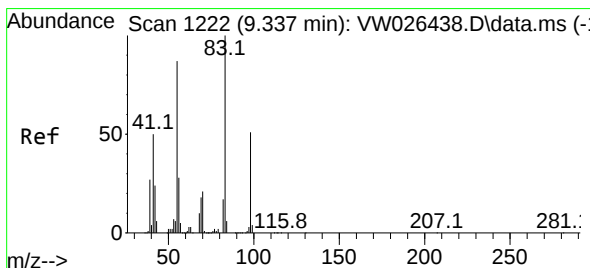
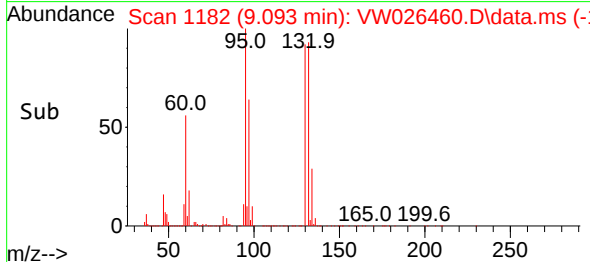
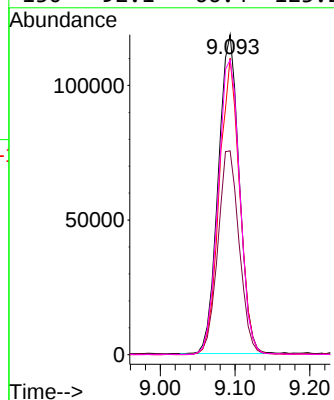
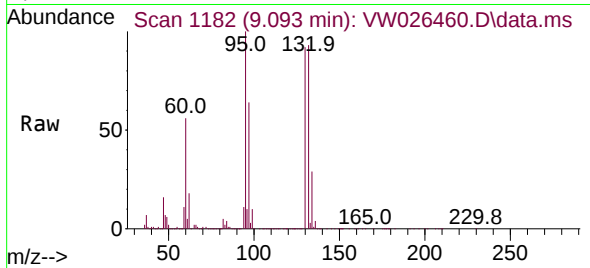


#34
Trichloroethene
Concen: 18.616 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

Tgt Ion: 95 Resp: 231870

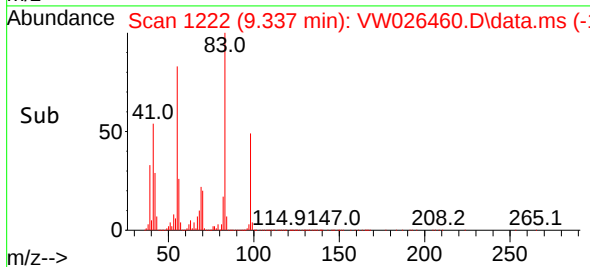
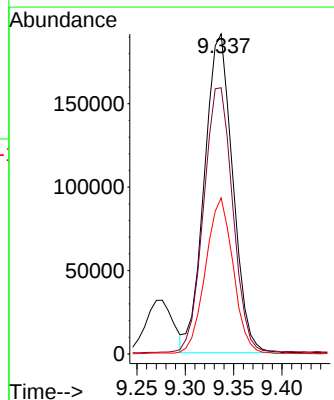
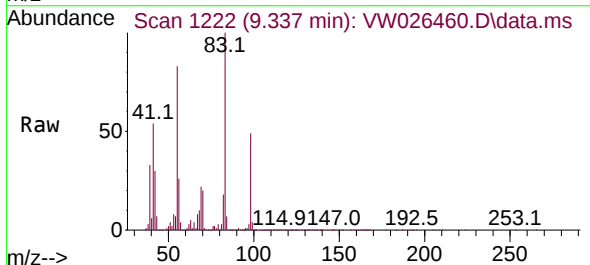
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.1	81.9
132	92.7	61.8	114.8
130	92.1	66.4	123.2

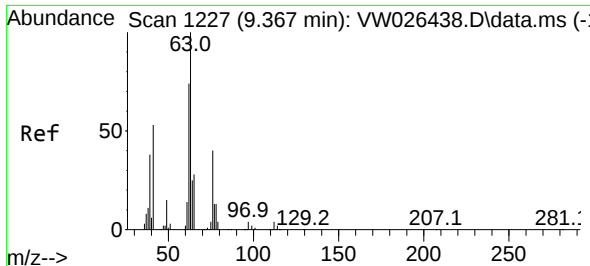


#35
Methylcyclohexane
Concen: 17.591 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 83 Resp: 390340

Ion	Ratio	Lower	Upper
83	100		
55	85.7	66.5	99.7
98	47.3	37.0	55.6





#37

1,2-Dichloropropane

Concen: 19.087 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

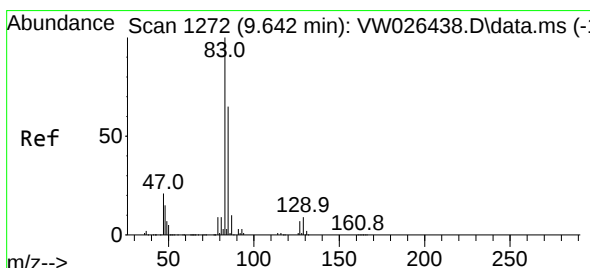
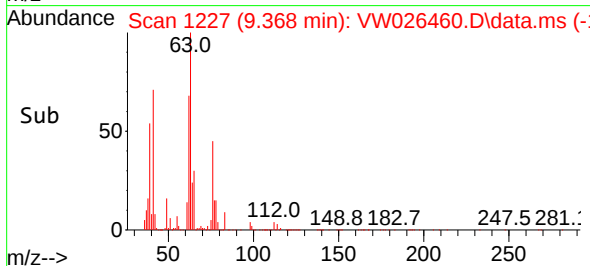
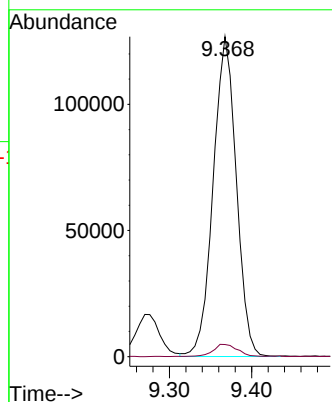
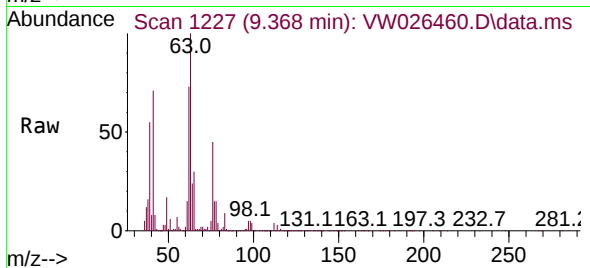
VSTD025544

Tgt Ion: 63 Resp: 247757

Ion Ratio Lower Upper

63 100

112 4.0 3.4 5.0



#38

Bromodichloromethane

Concen: 20.655 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

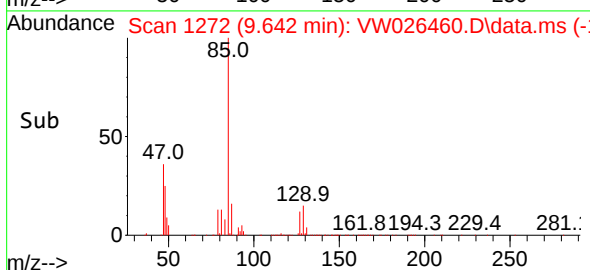
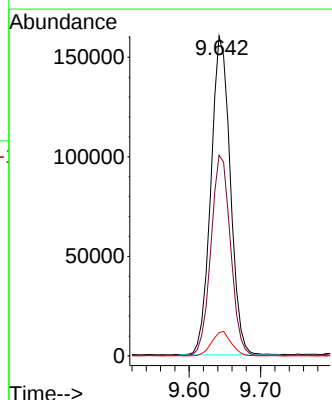
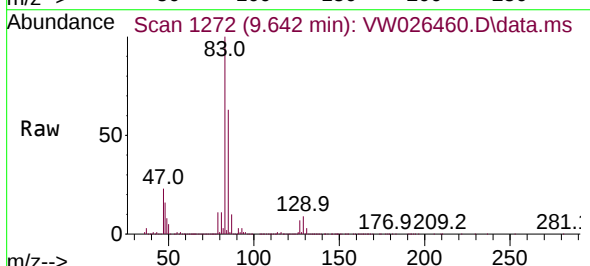
Tgt Ion: 83 Resp: 300920

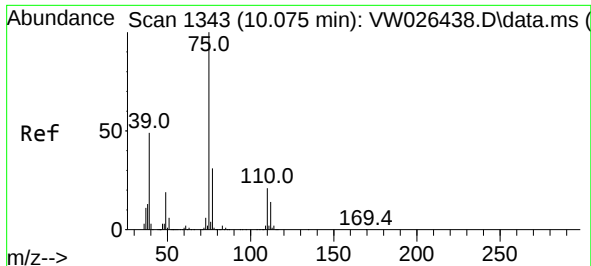
Ion Ratio Lower Upper

83 100

85 62.7 45.1 83.7

127 7.2 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 23.225 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

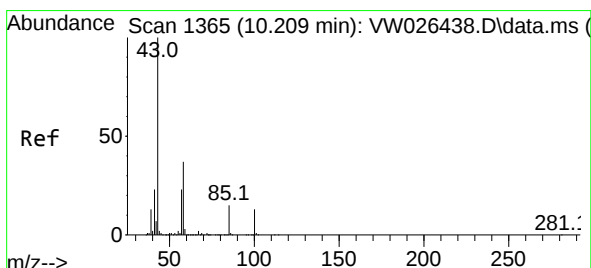
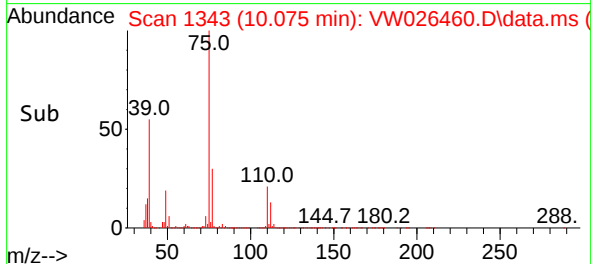
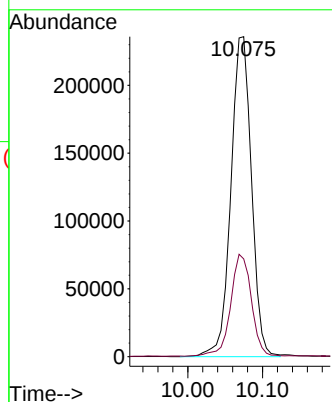
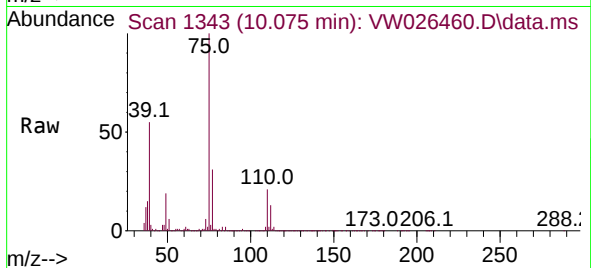
VSTD025544

Tgt Ion: 75 Resp: 451207

Ion Ratio Lower Upper

75 100

77 30.5 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 49.991 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

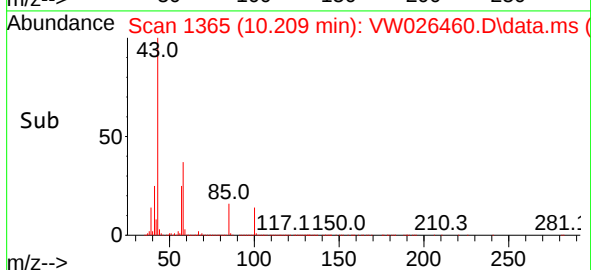
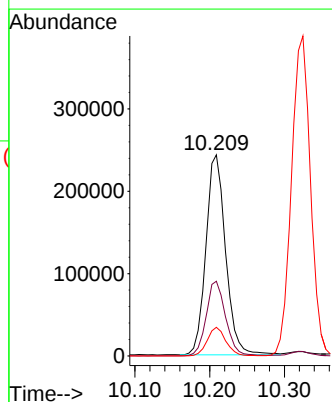
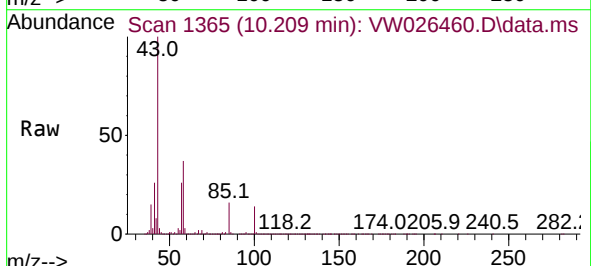
Tgt Ion: 43 Resp: 445529

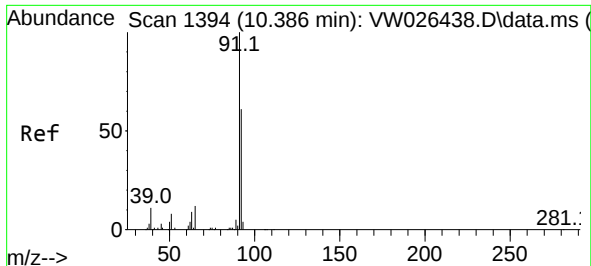
Ion Ratio Lower Upper

43 100

58 36.8 29.7 44.5

100 13.7 10.9 16.3

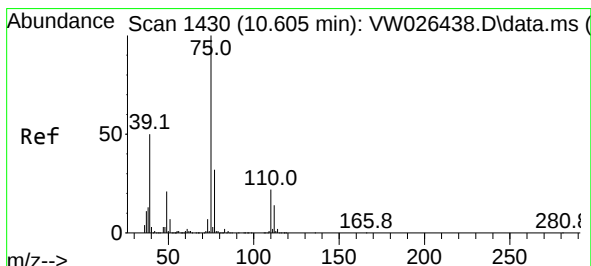
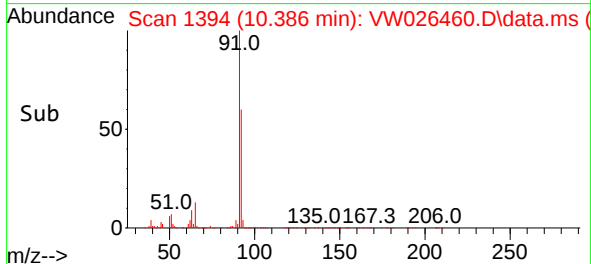
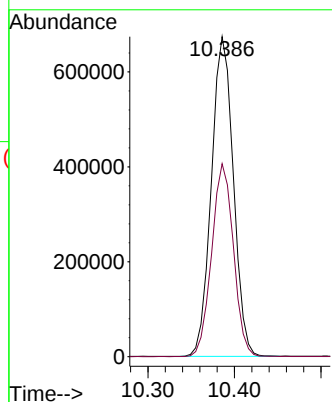
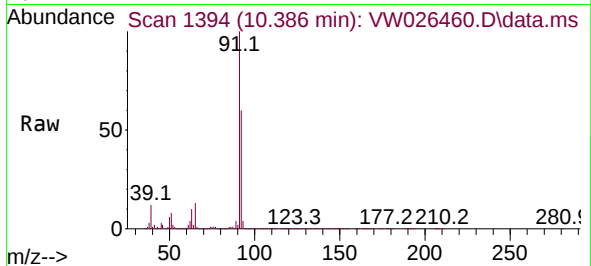




#42
Toluene
Concen: 23.736 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

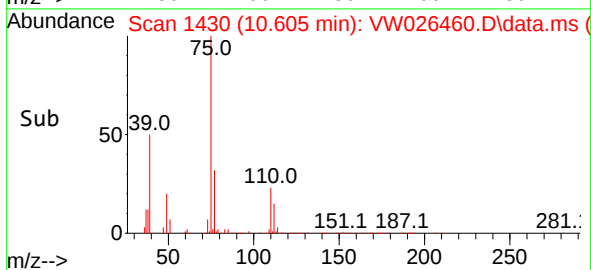
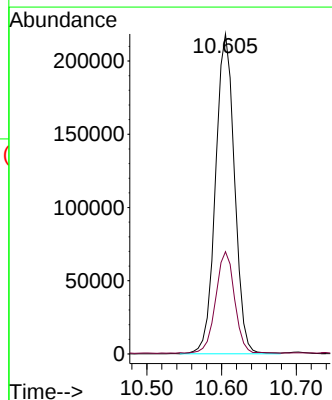
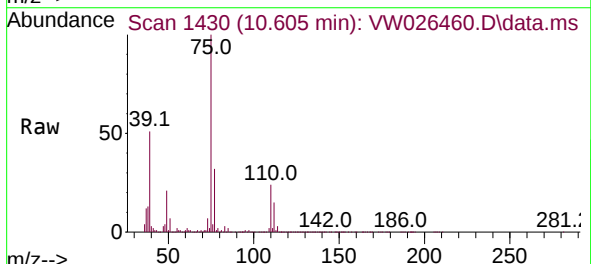
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

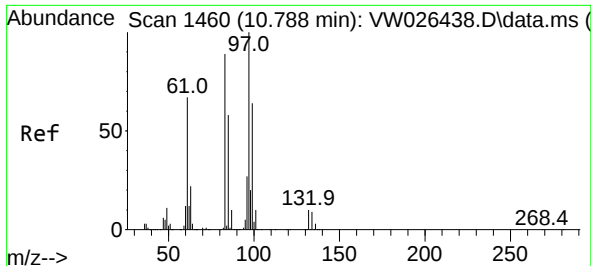
Tgt Ion: 91 Resp: 1187391
Ion Ratio Lower Upper
91 100
92 60.3 41.4 76.8



#44
trans-1,3-Dichloropropene
Concen: 24.263 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 75 Resp: 385241
Ion Ratio Lower Upper
75 100
77 31.9 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 25.053 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025544

Tgt Ion: 97 Resp: 221516

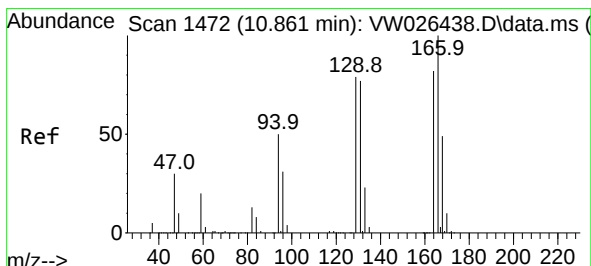
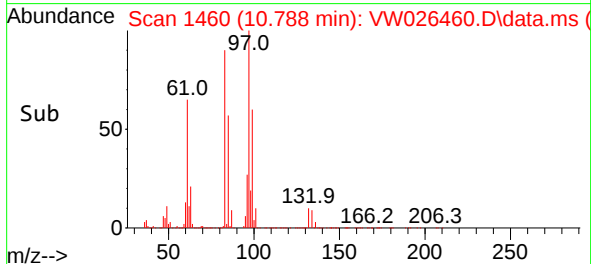
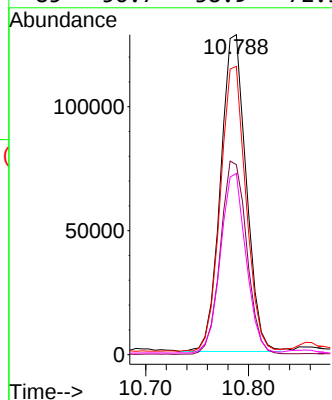
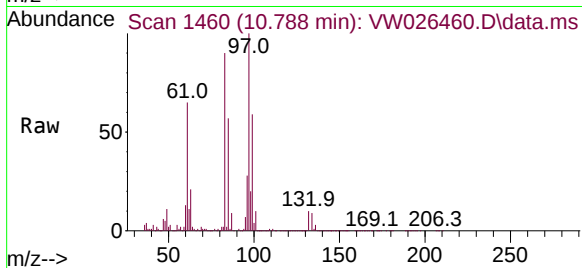
Ion Ratio Lower Upper

97 100

99 59.4 42.1 78.3

83 90.1 60.5 112.5

85 56.7 38.9 72.3



#46

Tetrachloroethene

Concen: 23.051 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Tgt Ion:164 Resp: 202983

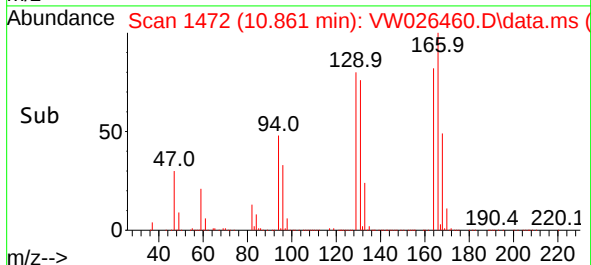
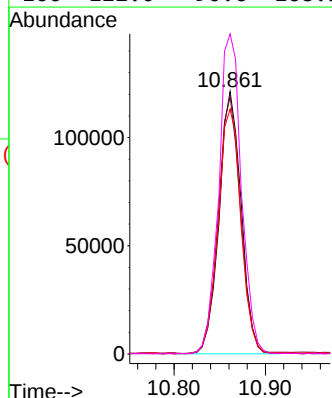
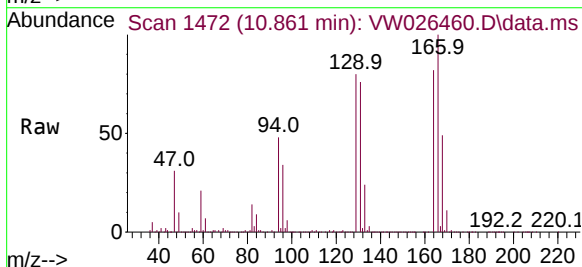
Ion Ratio Lower Upper

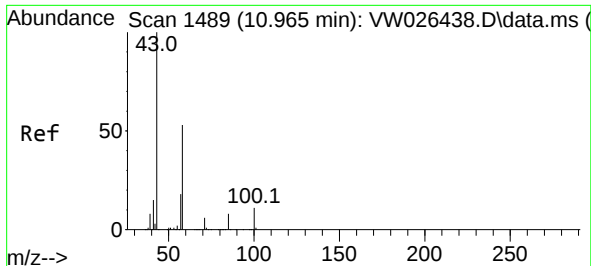
164 100

129 98.0 69.0 128.2

131 93.3 62.6 116.3

166 122.0 90.6 168.3





#48

2-Hexanone

Concen: 51.561 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025544

Tgt Ion: 43 Resp: 308434

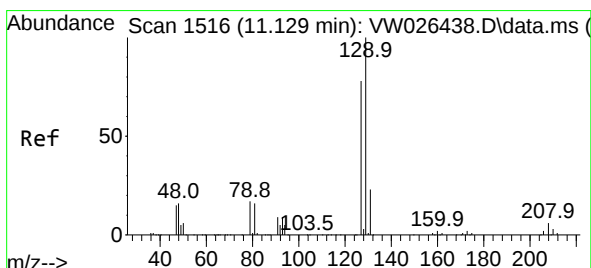
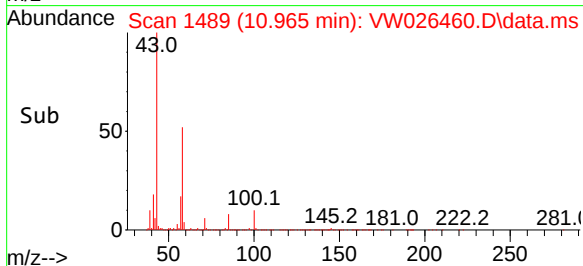
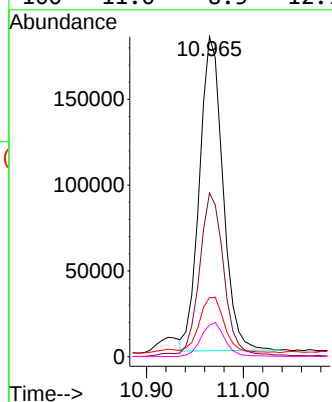
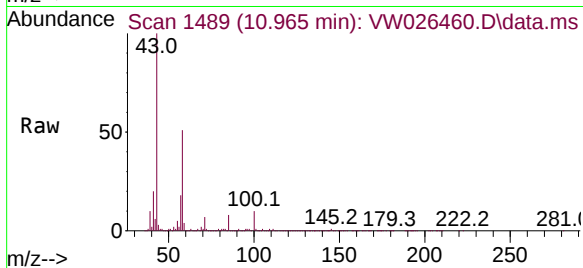
Ion Ratio Lower Upper

43 100

58 53.4 42.1 63.1

57 18.3 14.5 21.7

100 11.0 8.5 12.7



#49

Dibromochloromethane

Concen: 26.235 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW026460.D

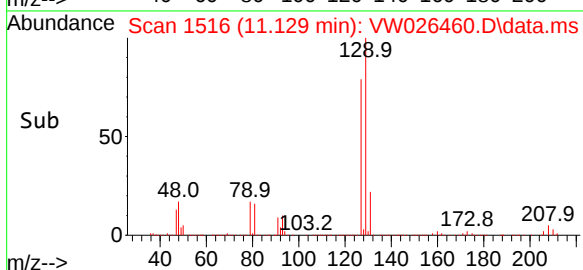
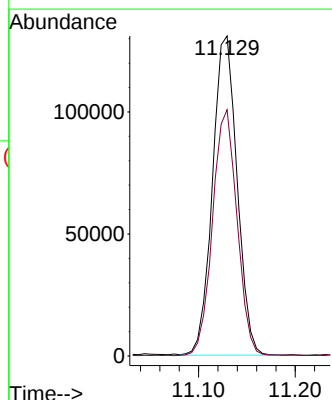
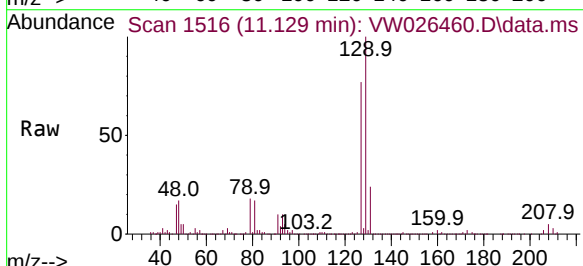
Acq: 30 Jun 2023 02:27

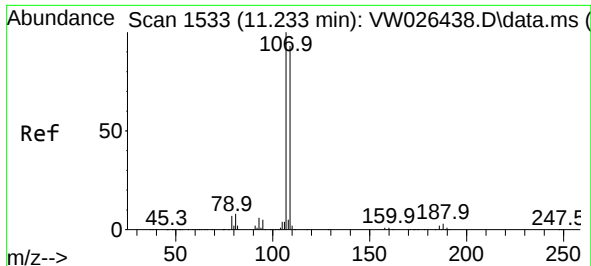
Tgt Ion: 129 Resp: 231047

Ion Ratio Lower Upper

129 100

127 76.9 54.0 100.4





#50

1,2-Dibromoethane

Concen: 25.368 ug/L

RT: 11.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025544

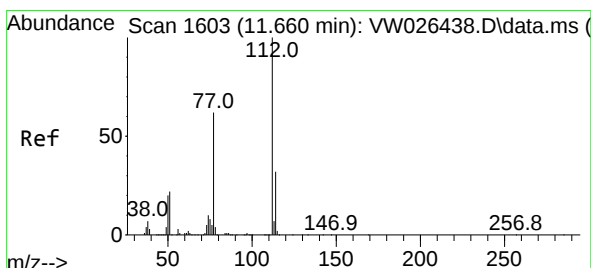
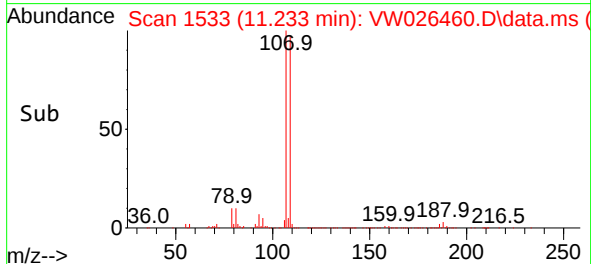
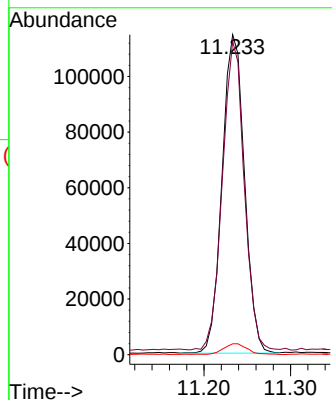
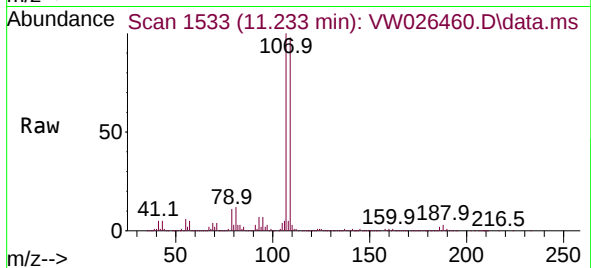
Tgt Ion:107 Resp: 206255

Ion Ratio Lower Upper

107 100

109 97.9 69.0 128.2

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 24.100 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

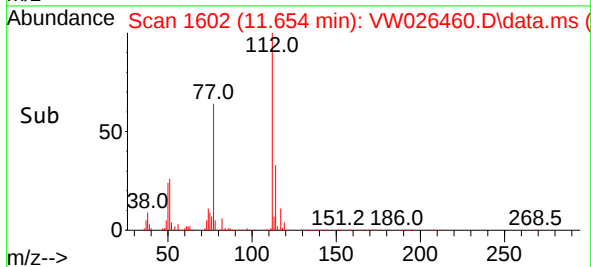
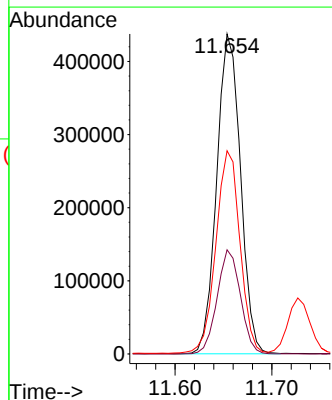
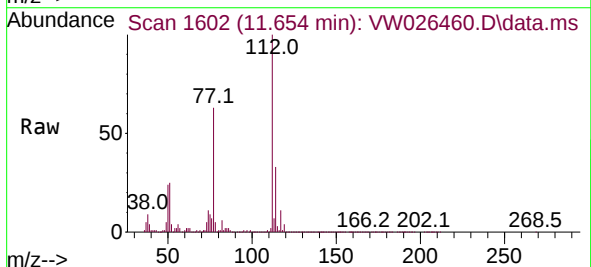
Tgt Ion:112 Resp: 745924

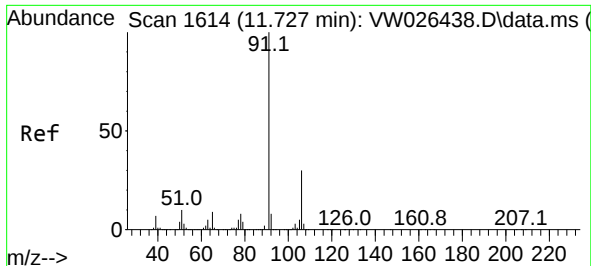
Ion Ratio Lower Upper

112 100

114 32.6 22.3 41.5

77 63.5 49.6 74.4

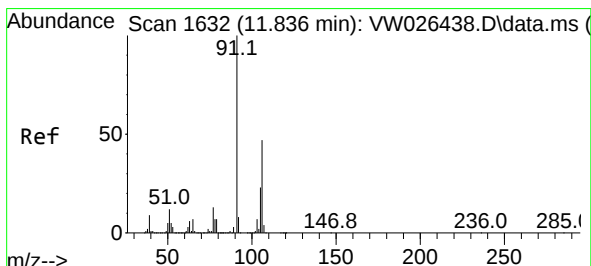
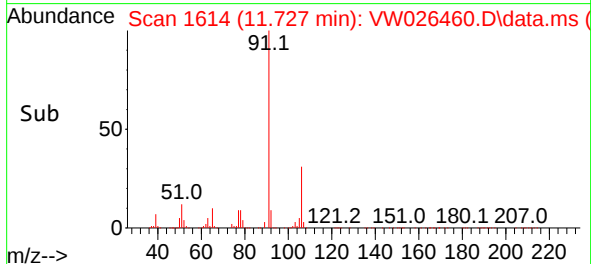
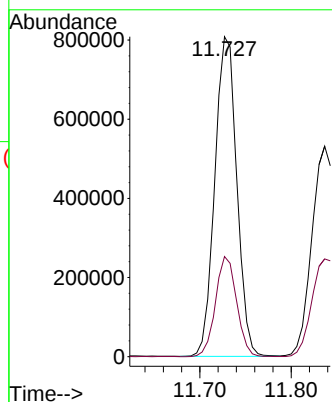
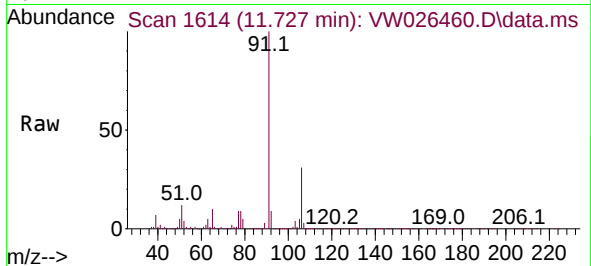




#52
Ethylbenzene
Concen: 23.982 ug/L
RT: 11.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

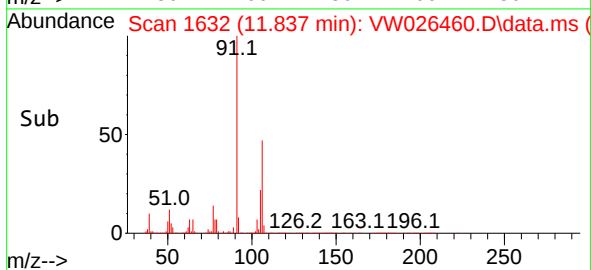
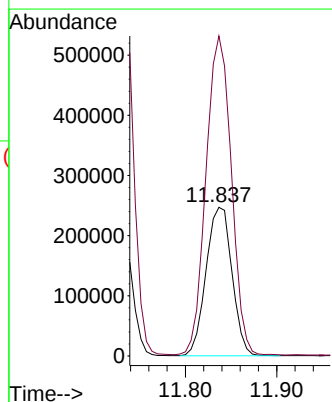
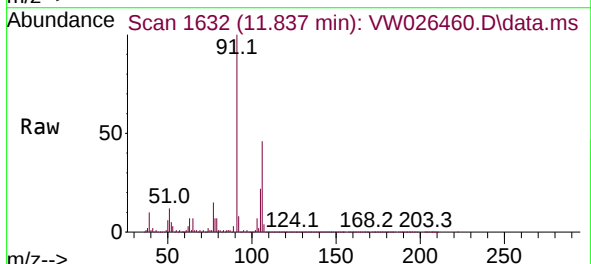
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

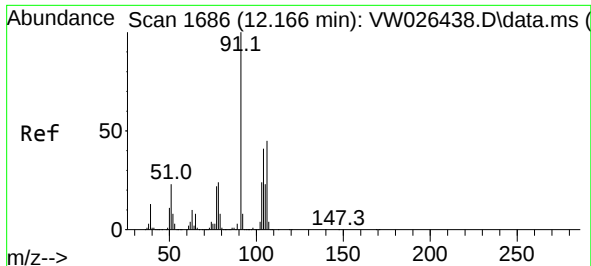
Tgt Ion: 91 Resp: 1349951
Ion Ratio Lower Upper
91 100
106 31.3 20.9 38.7



#53
m,p-Xylene
Concen: 23.334 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion:106 Resp: 487043
Ion Ratio Lower Upper
106 100
91 215.2 146.7 272.5

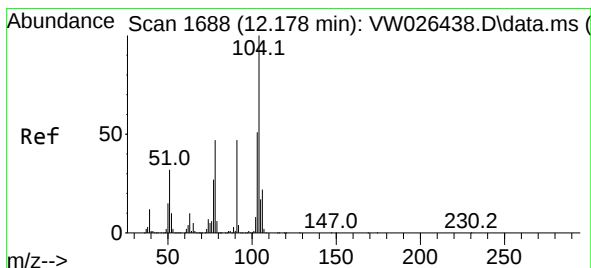
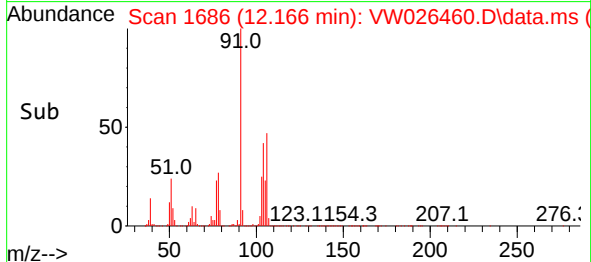
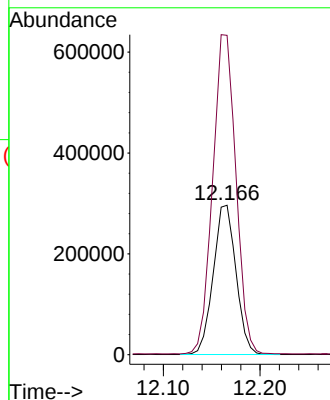
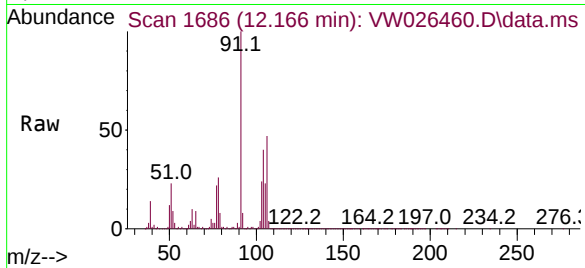




#54
o-Xylene
Concen: 24.941 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

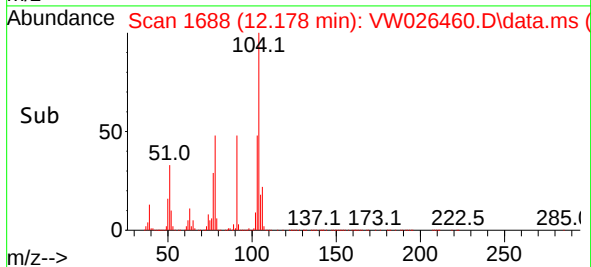
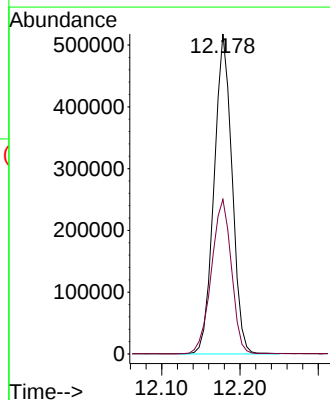
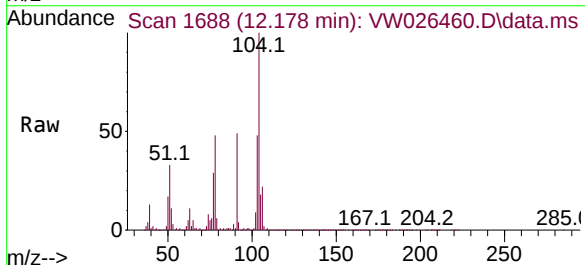
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

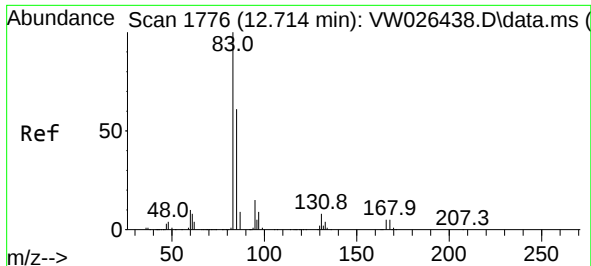
Tgt Ion:106 Resp: 482831
Ion Ratio Lower Upper
106 100
91 213.8 145.5 270.1



#55
Styrene
Concen: 24.975 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion:104 Resp: 825288
Ion Ratio Lower Upper
104 100
78 48.3 34.8 64.6





#57

1,1,2,2-Tetrachloroethane

Concen: 25.174 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025544

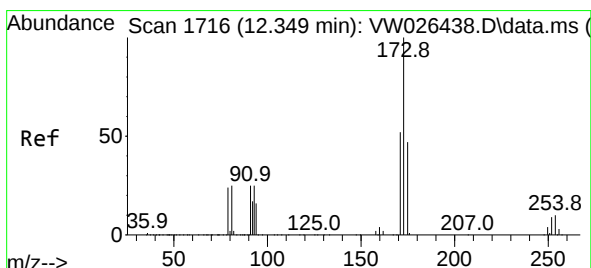
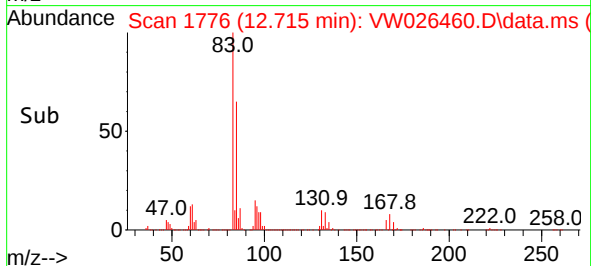
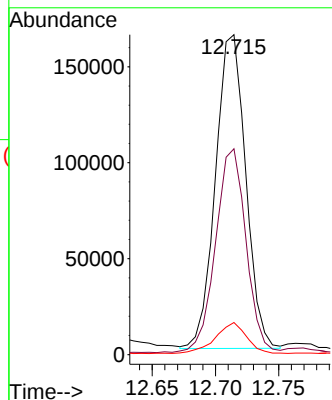
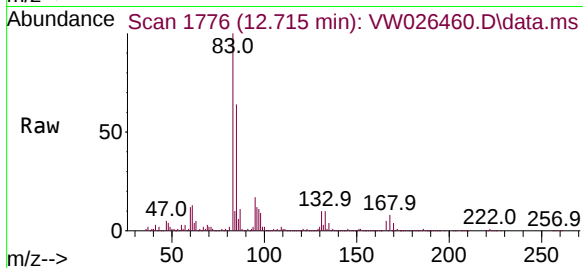
Tgt Ion: 83 Resp: 271798

Ion Ratio Lower Upper

83 100

85 64.4 44.6 82.8

131 10.0 7.2 10.8



#59

Bromoform

Concen: 26.164 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

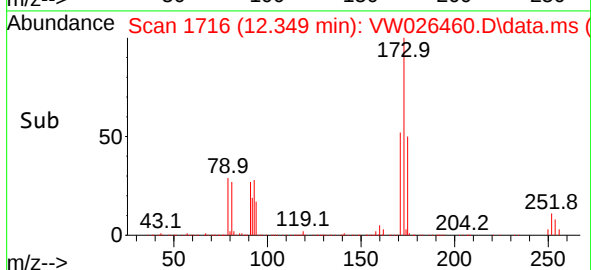
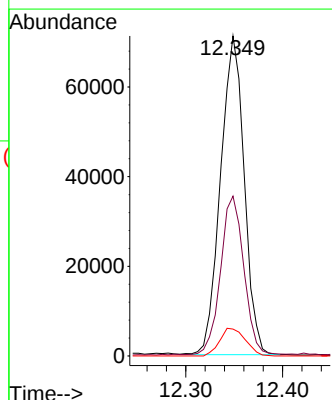
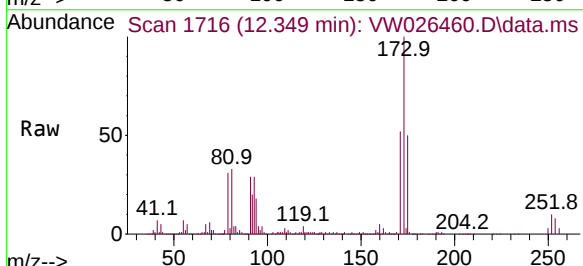
Tgt Ion:173 Resp: 120725

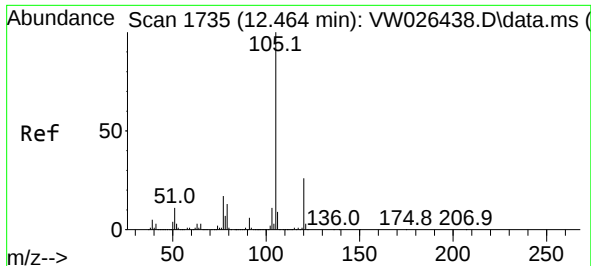
Ion Ratio Lower Upper

173 100

175 49.3 37.4 56.2

254 9.4 7.3 10.9

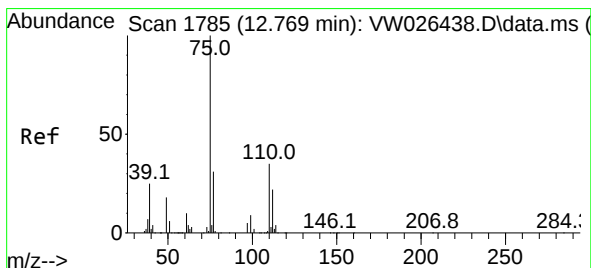
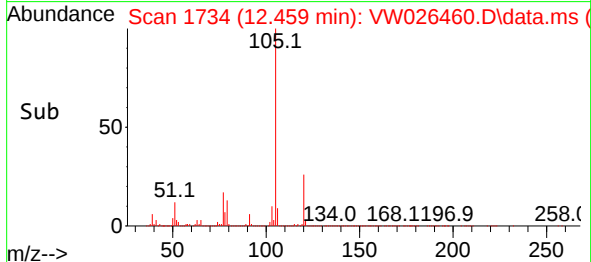
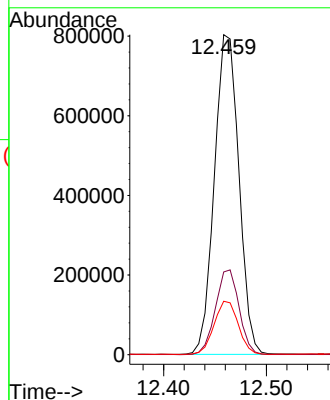
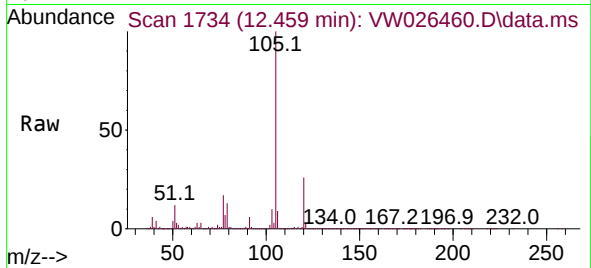




#60
Isopropylbenzene
Concen: 26.124 ug/L
RT: 12.459 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

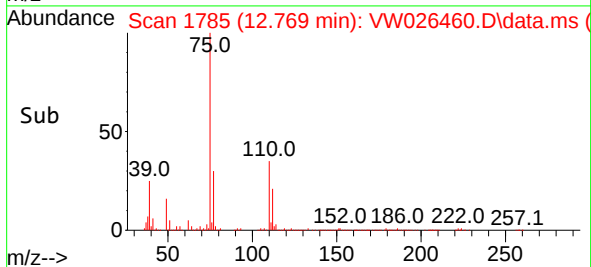
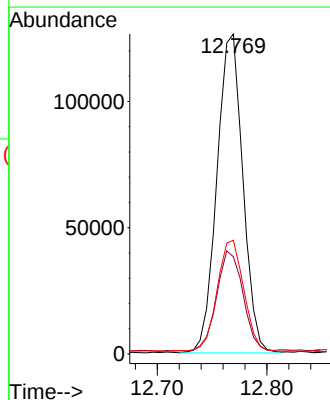
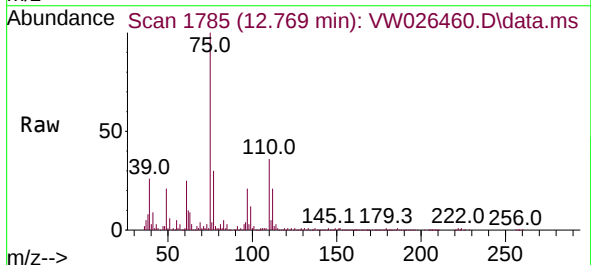
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

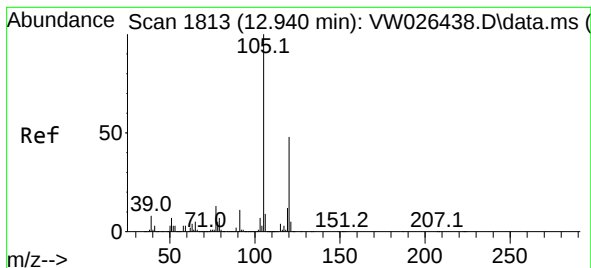
Tgt Ion:105 Resp: 1327850
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 16.4 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 27.272 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 75 Resp: 207721
Ion Ratio Lower Upper
75 100
77 32.1 25.2 37.8
110 35.7 28.2 42.4





#62

1,3,5-Trimethylbenzene

Concen: 27.610 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

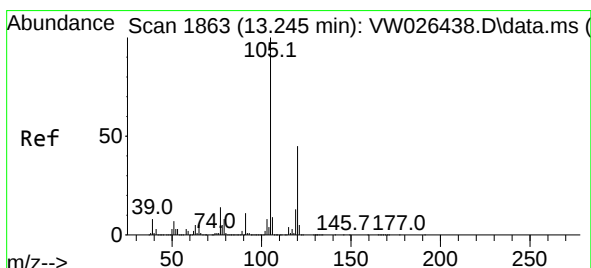
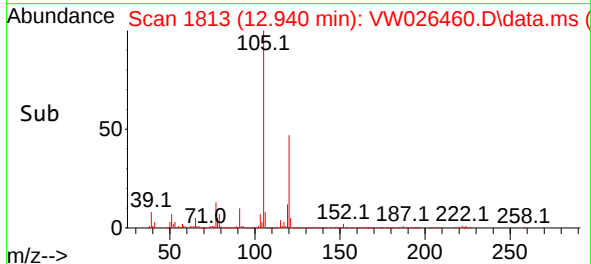
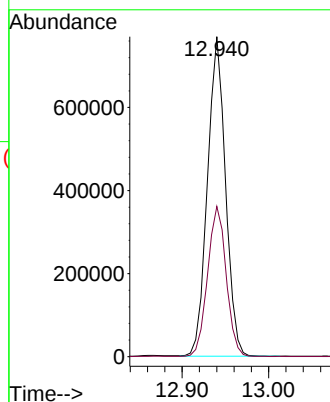
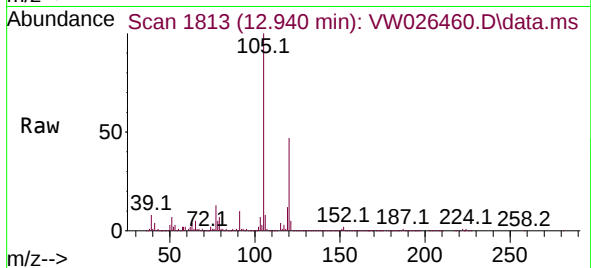
VSTD025544

Tgt Ion:105 Resp: 1115949

Ion Ratio Lower Upper

105 100

120 48.3 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 27.003 ug/L

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW026460.D

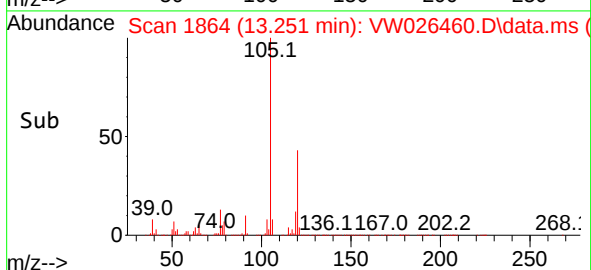
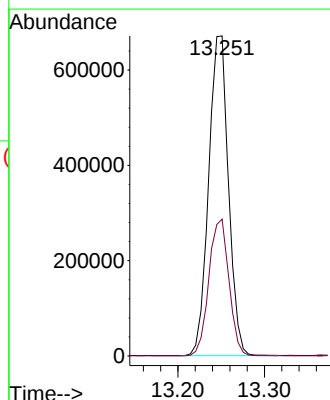
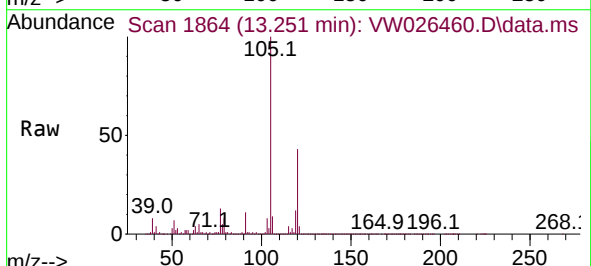
Acq: 30 Jun 2023 02:27

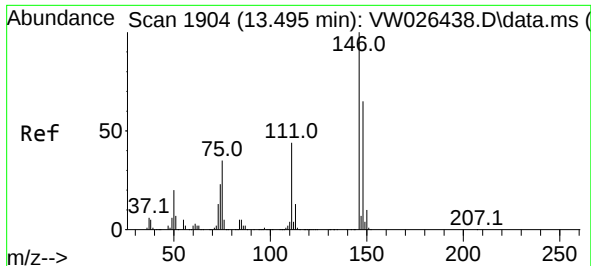
Tgt Ion:105 Resp: 1066219

Ion Ratio Lower Upper

105 100

120 43.3 36.0 54.0

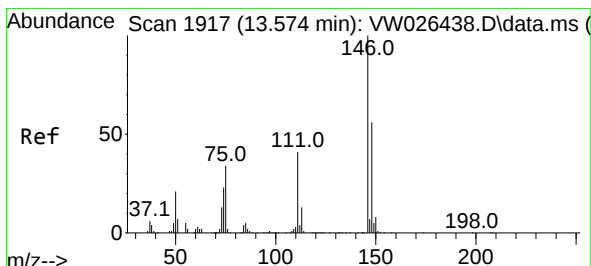
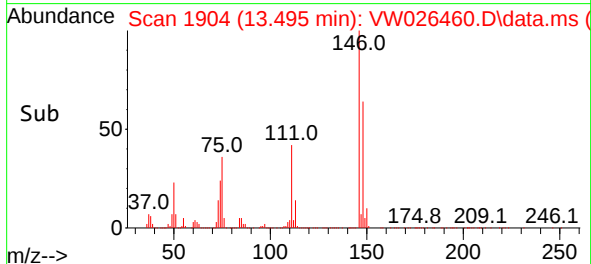
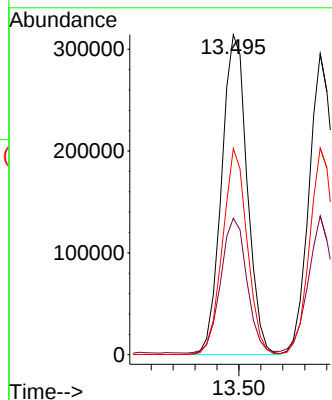
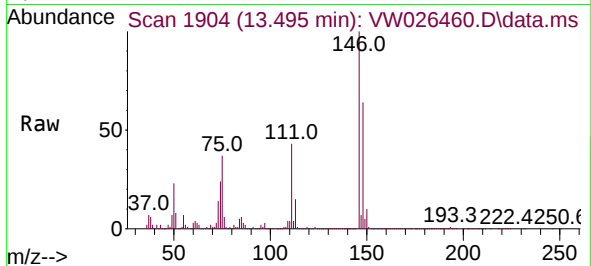




#64
1,3-Dichlorobenzene
Concen: 23.830 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

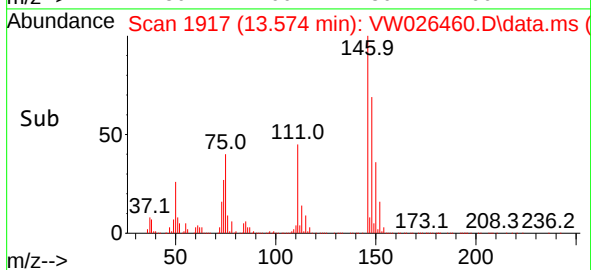
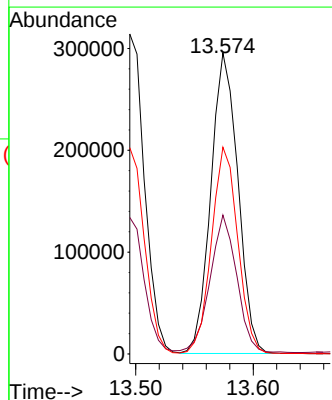
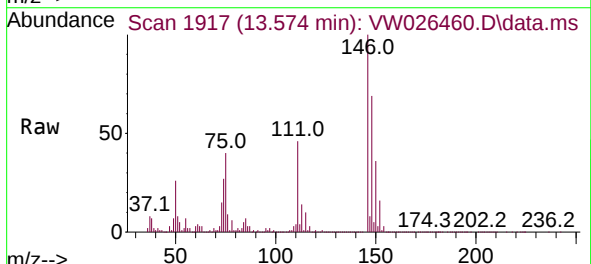
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

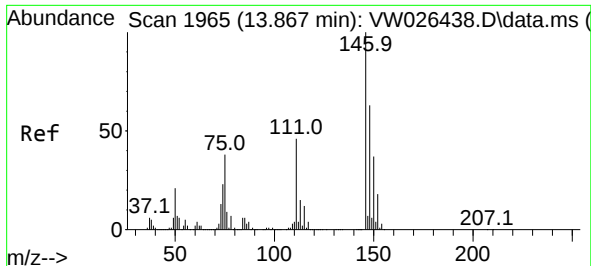
Tgt Ion:146 Resp: 508181
Ion Ratio Lower Upper
146 100
111 42.6 29.5 54.9
148 64.4 40.8 75.8



#65
1,4-Dichlorobenzene
Concen: 22.298 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion:146 Resp: 472928
Ion Ratio Lower Upper
146 100
111 46.1 30.7 56.9
148 68.7 45.6 84.8

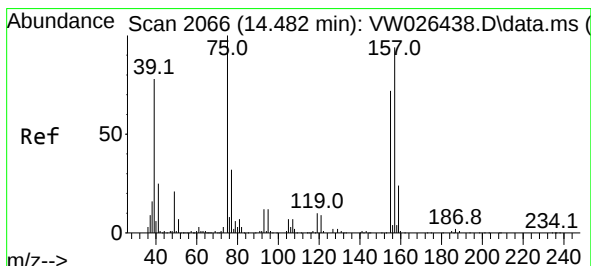
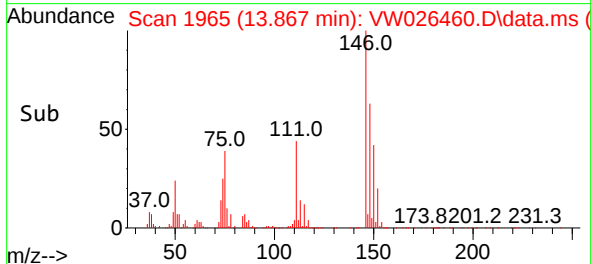
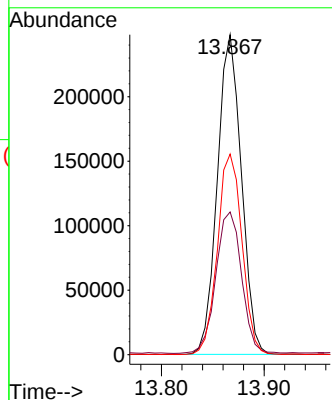
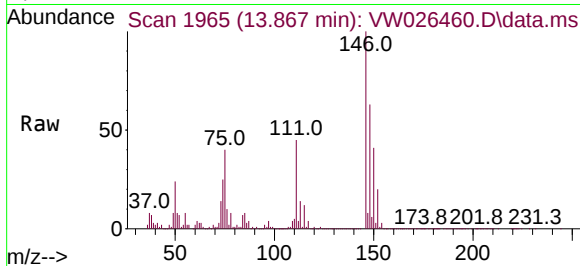




#67
1,2-Dichlorobenzene
Concen: 20.869 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

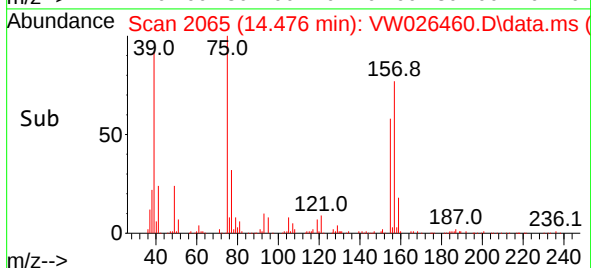
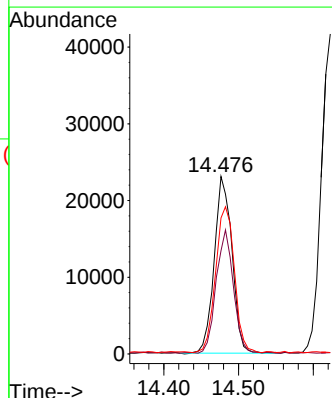
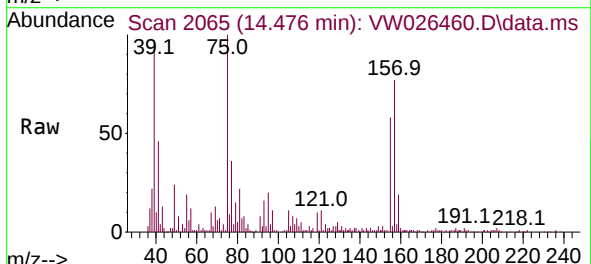
Instrument :
MSVOA_W
ClientSampleId :
VSTD025544

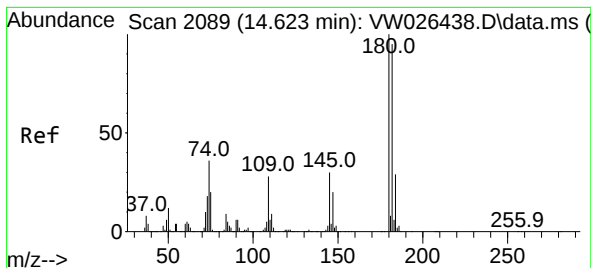
Tgt Ion:146 Resp: 402742
Ion Ratio Lower Upper
146 100
111 44.6 34.7 52.1
148 62.7 49.6 74.4



#68
1,2-Dibromo-3-chloropropane
Concen: 21.765 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW026460.D
Acq: 30 Jun 2023 02:27

Tgt Ion: 75 Resp: 37988
Ion Ratio Lower Upper
75 100
155 58.1 58.5 87.7#
157 76.6 77.4 116.2#





#69

1,3,5-Trichlorobenzene

Concen: 19.319 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025544

Tgt Ion:180 Resp: 280463

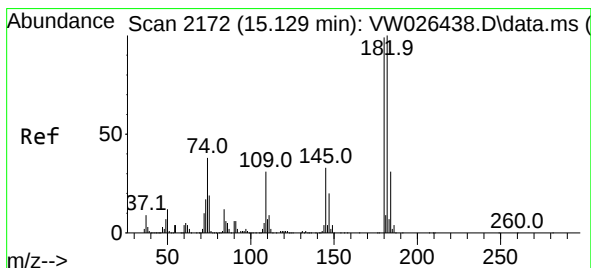
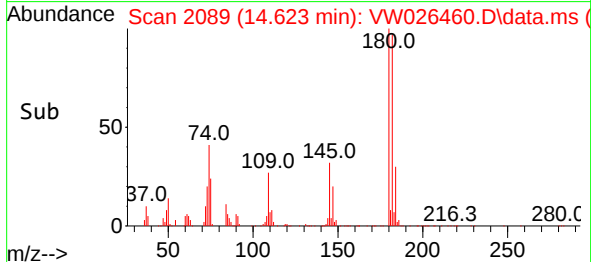
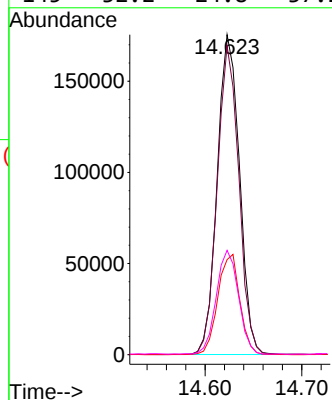
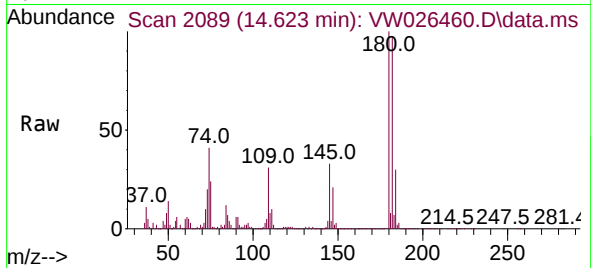
Ion Ratio Lower Upper

180 100

182 93.7 74.5 111.7

184 30.9 23.8 35.6

145 32.2 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 19.338 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

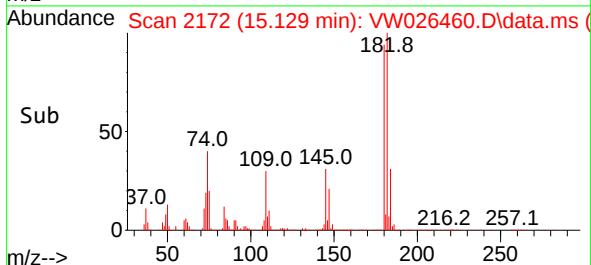
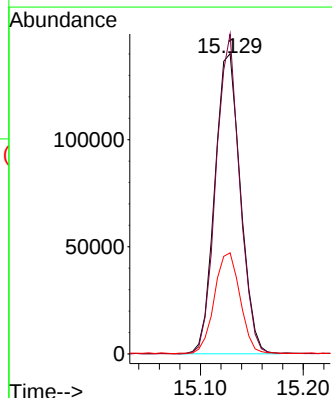
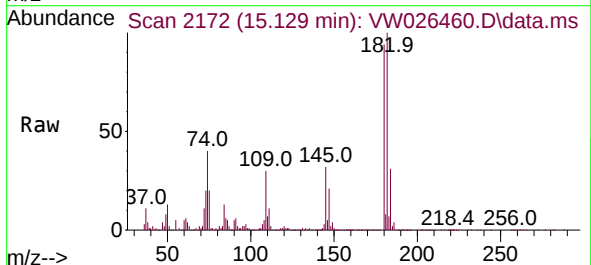
Tgt Ion:180 Resp: 242981

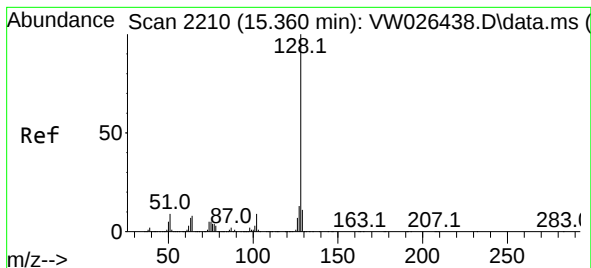
Ion Ratio Lower Upper

180 100

182 98.3 75.5 113.3

145 33.4 26.2 39.2





#71

Naphthalene

Concen: 22.482 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025544

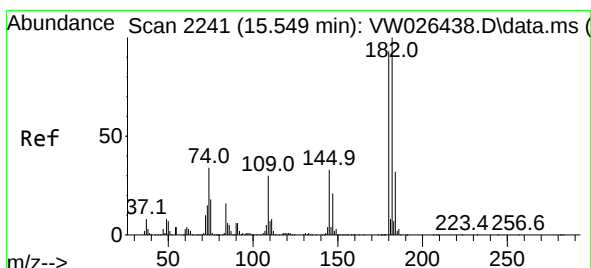
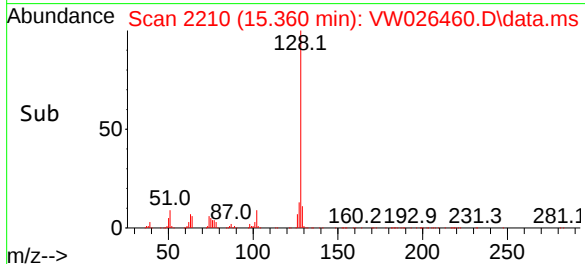
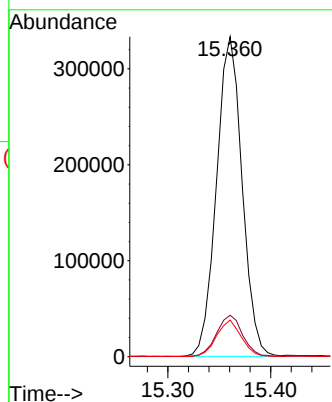
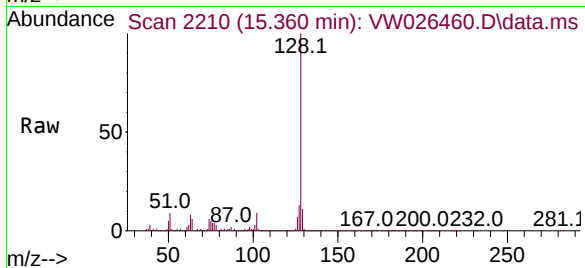
Tgt Ion:128 Resp: 575806

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.0 8.3 12.5



#72

1,2,3-Trichlorobenzene

Concen: 20.431 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026460.D

Acq: 30 Jun 2023 02:27

Tgt Ion:180 Resp: 220757

Ion Ratio Lower Upper

180 100

182 94.7 75.7 113.5

145 35.0 27.0 40.6

