

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090622\
 Data File : VW024554.D
 Acq On : 06 Sep 2022 12:39
 Operator : SY/VA
 Sample : VSTD2.531
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5431

Quant Time: Sep 07 04:34:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090622SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Sep 07 04:30:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	300309	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	289554	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	146748	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	17557	2.832	ug/L	0.00
7) Chloroethane-d5	2.873	69	13376	2.901	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.007	63	18614	2.846	ug/L	0.00
21) 2-Butanone-d5	7.196	46	190	0.182	ug/L	0.12
24) Chloroform-d	7.647	84	22420	2.909	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	13086	3.035	ug/L	0.00
32) Benzene-d6	8.275	84	40195	2.822	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	12401	2.953	ug/L	0.00
41) Toluene-d8	10.323	98	37572	2.706	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	5363	2.850	ug/L	0.00
47) 2-Hexanone-d5	10.927	63	4298	5.568	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.689	84	11832	2.940	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	13553	2.916	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.087	85	138	0.098	ug/L	89
3) Chloromethane	2.215	50	13380	2.991	ug/L	95
5) Vinyl chloride	2.349	62	22208	2.945	ug/L	100
6) Bromomethane	2.770	94	15190	3.090	ug/L	90
8) Chloroethane	2.910	64	12621	3.076	ug/L	97
9) Trichlorofluoromethane	3.245	101	13746	3.153	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	11292	2.811	ug/L #	65
12) 1,1-Dichloroethene	4.025	96	8179	2.382	ug/L	97
13) Acetone	4.129	43	4068	4.863	ug/L	99
14) Carbon disulfide	4.367	76	27939	3.076	ug/L	98
15) Methyl Acetate	4.525	43	202	0.111	ug/L	92
16) Methylene chloride	4.903	84	19576	4.369	ug/L	92
17) trans-1,2-Dichloroethene	5.422	96	11161	2.842	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	18706	2.671	ug/L #	88
19) 1,1-Dichloroethane	6.214	63	20125	2.813	ug/L	93
20) cis-1,2-Dichloroethene	7.159	96	5964	1.352	ug/L #	84
22) 2-Butanone	7.183	43	6213	4.519	ug/L	96
23) Bromochloromethane	7.507	128	5419	2.654	ug/L	93
25) Chloroform	7.677	83	21579	2.715	ug/L	95
27) 1,2-Dichloroethane	8.397	62	16537	3.095	ug/L	100
29) Cyclohexane	7.952	56	14711	2.624	ug/L #	93
30) 1,1,1-Trichloroethane	7.872	97	18428	2.902	ug/L	96
31) Carbon tetrachloride	8.061	117	16292	2.809	ug/L	100
33) Benzene	8.323	78	44032	2.679	ug/L	100
34) Trichloroethene	9.085	95	12417	2.893	ug/L	96
35) Methylcyclohexane	9.329	83	17732	2.582	ug/L	92
37) 1,2-Dichloropropane	9.366	63	11029	2.687	ug/L	97
38) Bromodichloromethane	9.640	83	15480	2.668	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	14795	2.465	ug/L	91
40) 4-Methyl-2-pentanone	10.207	43	14260	5.267	ug/L	97
42) Toluene	10.384	91	47621	2.628	ug/L	88
44) trans-1,3-Dichloropropene	10.604	75	13531	2.387	ug/L	96

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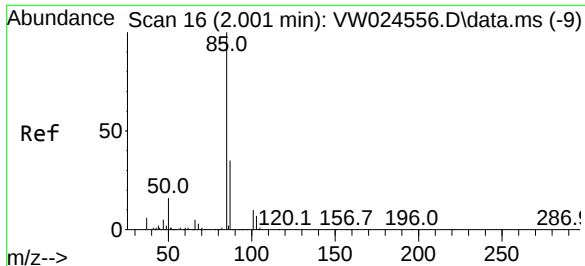
Instrument :
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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	10.786	97	9197	2.681	ug/L	93
46) Tetrachloroethene	10.860	164	8388	2.652	ug/L	97
48) 2-Hexanone	10.963	43	9460	5.095	ug/L	96
49) Dibromochloromethane	11.128	129	9641	2.404	ug/L	87
50) 1,2-Dibromoethane	11.231	107	8831	2.653	ug/L #	100
51) Chlorobenzene	11.658	112	33841	2.704	ug/L #	93
52) Ethylbenzene	11.731	91	51303	2.494	ug/L	96
53) m,p-Xylene	11.835	106	19316	2.403	ug/L	87
54) o-Xylene	12.164	106	18037	2.357	ug/L	97
55) Styrene	12.176	104	30880	2.293	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.713	83	11826	2.723	ug/L	95
59) Bromoform	12.347	173	5300	2.485	ug/L	99
60) Isopropylbenzene	12.463	105	48762	2.454	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	8739	2.878	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	37879	2.296	ug/L	94
63) 1,2,4-Trimethylbenzene	13.243	105	37233	2.267	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	21475	2.399	ug/L	94
65) 1,4-Dichlorobenzene	13.579	146	24737	2.621	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	20735	2.484	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.475	75	2404	3.347	ug/L #	74
69) 1,3,5-Trichlorobenzene	14.621	180	14737	2.534	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	11239	2.436	ug/L	99
71) Naphthalene	15.359	128	21452	2.101	ug/L	97
72) 1,2,3-Trichlorobenzene	15.554	180	10119	2.357	ug/L	99

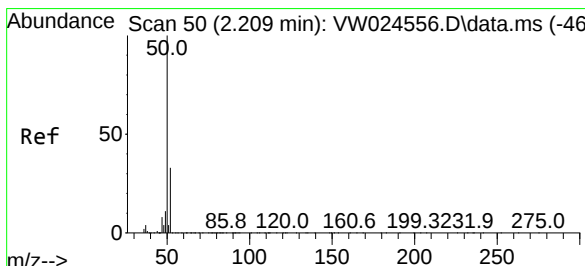
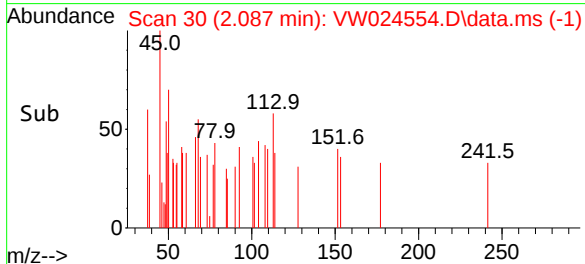
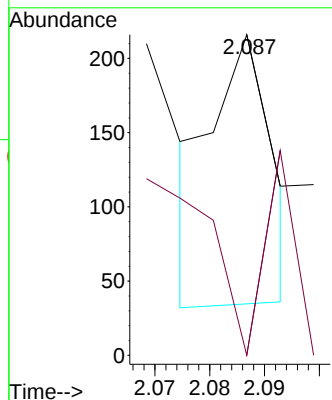
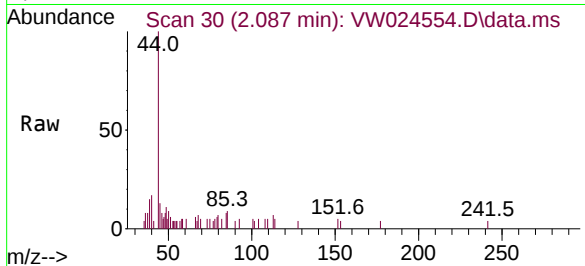
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.098 ug/L
 RT: 2.087 min Scan# 30
 Delta R.T. 0.086 min
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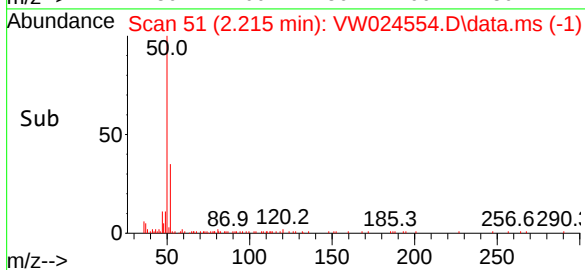
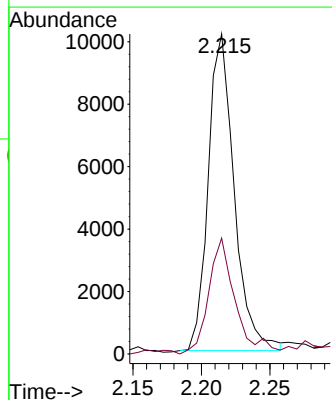
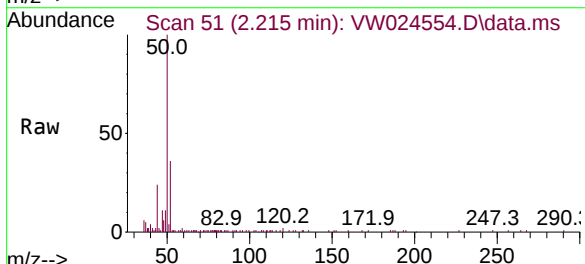
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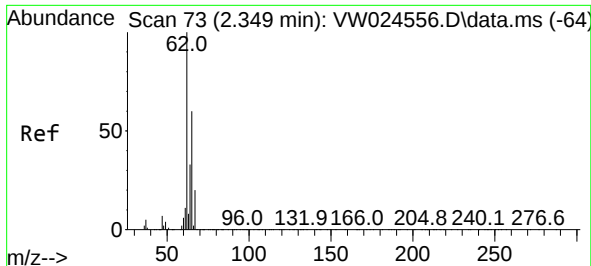
Tgt Ion: 85 Resp: 138
 Ion Ratio Lower Upper
 85 100
 87 36.2 24.2 36.2



#3
 Chloromethane
 Concen: 2.991 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VW024554.D
 Acq: 06 Sep 2022 12:39

Tgt Ion: 50 Resp: 13380
 Ion Ratio Lower Upper
 50 100
 52 36.2 23.3 43.3

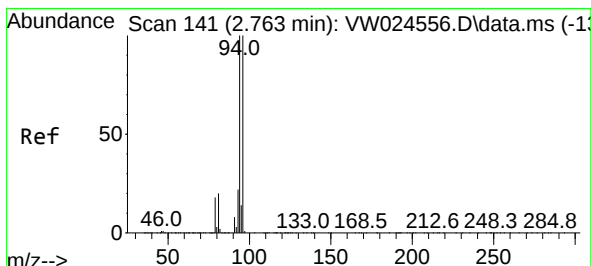
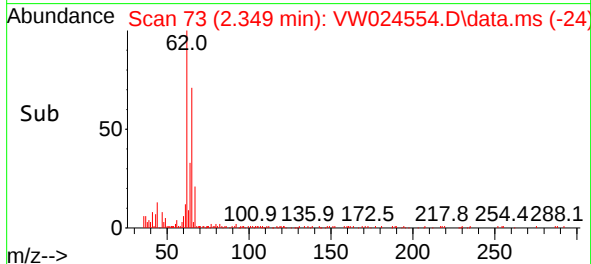
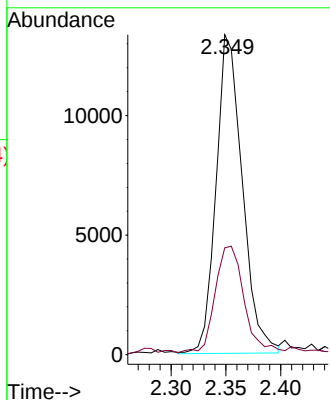
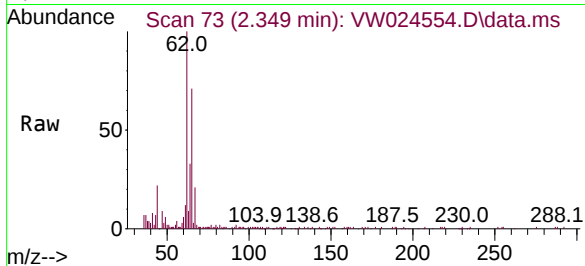




#5
 Vinyl chloride
 Concen: 2.945 ug/L
 RT: 2.349 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VW024554.D
 Acq: 06 Sep 2022 12:39

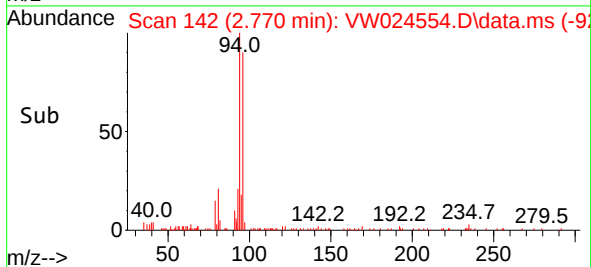
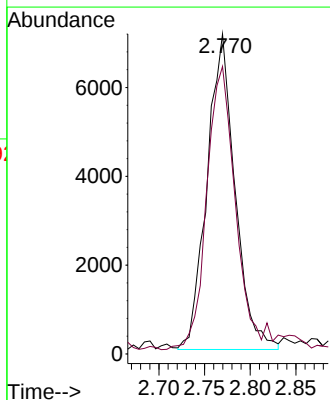
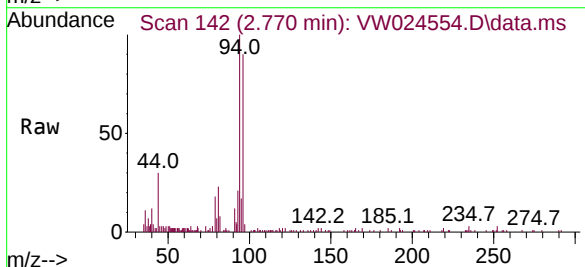
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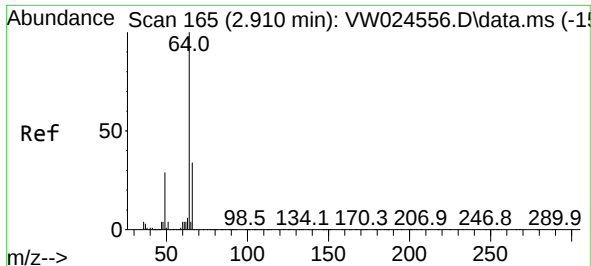
Tgt Ion: 62 Resp: 22208
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.3 43.3



#6
 Bromomethane
 Concen: 3.090 ug/L
 RT: 2.770 min Scan# 142
 Delta R.T. 0.006 min
 Lab File: VW024554.D
 Acq: 06 Sep 2022 12:39

Tgt Ion: 94 Resp: 15190
 Ion Ratio Lower Upper
 94 100
 96 89.9 69.8 129.6

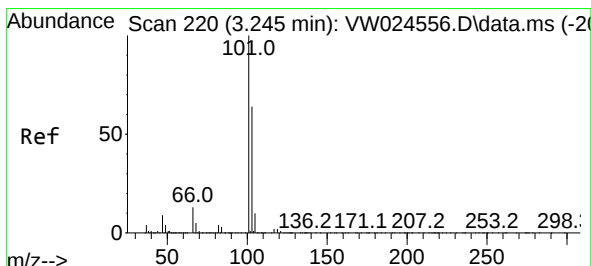
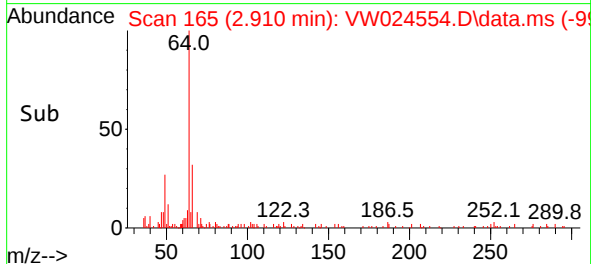
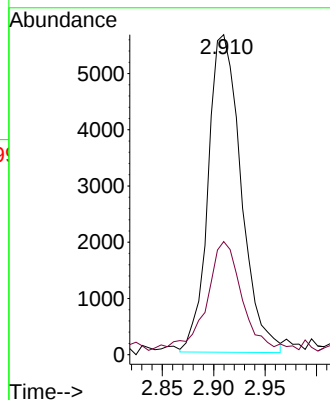
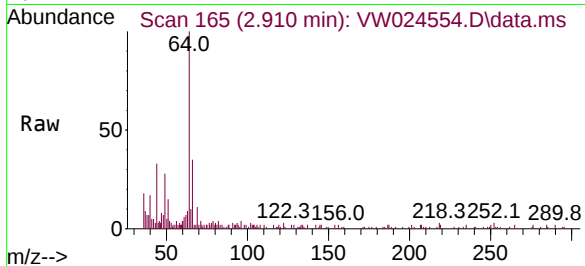




#8
Chloroethane
Concen: 3.076 ug/L
RT: 2.910 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

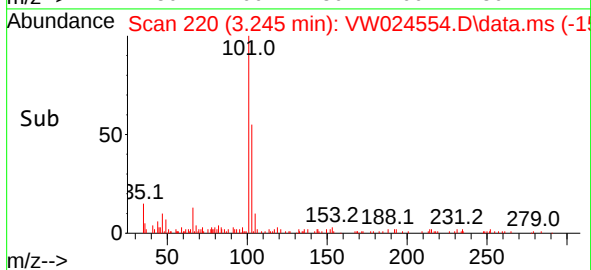
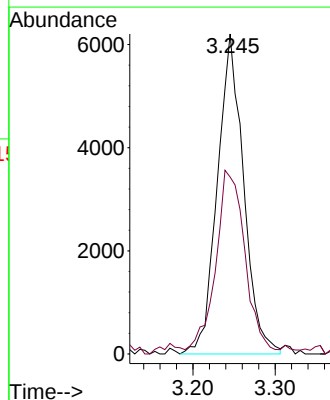
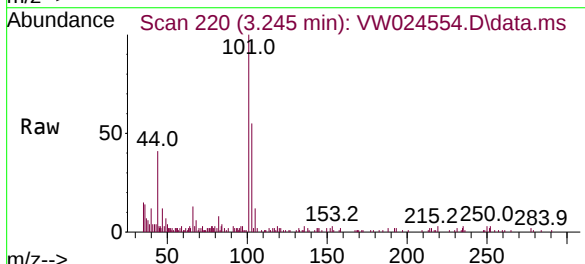
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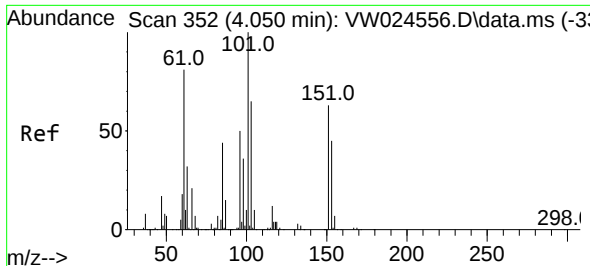
Tgt Ion: 64 Resp: 12621
Ion Ratio Lower Upper
64 100
66 35.3 23.7 44.1



#9
Trichlorofluoromethane
Concen: 3.153 ug/L
RT: 3.245 min Scan# 220
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 101 Resp: 13746
Ion Ratio Lower Upper
101 100
103 64.8 52.5 78.7

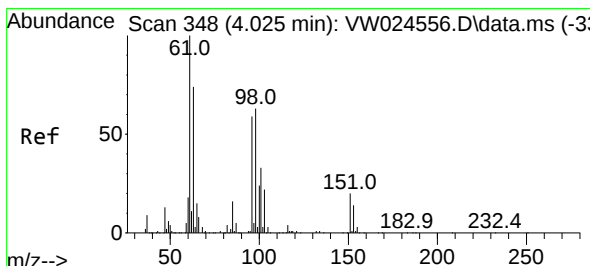
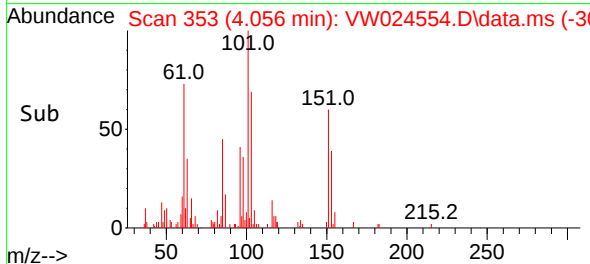
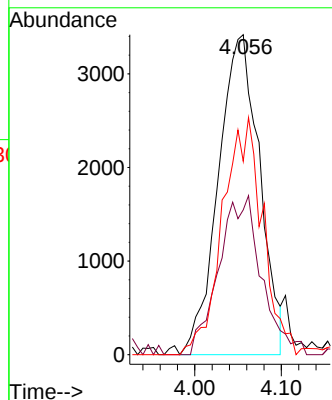
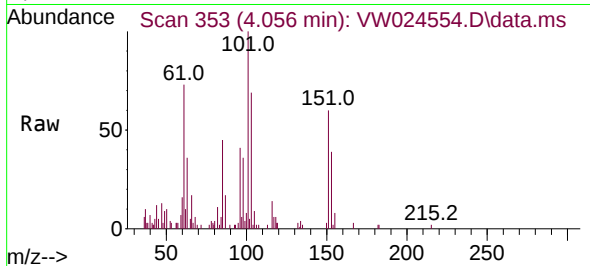




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.811 ug/L
 RT: 4.056 min Scan# 352
 Delta R.T. 0.006 min
 Lab File: VW024554.D
 Acq: 06 Sep 2022 12:39

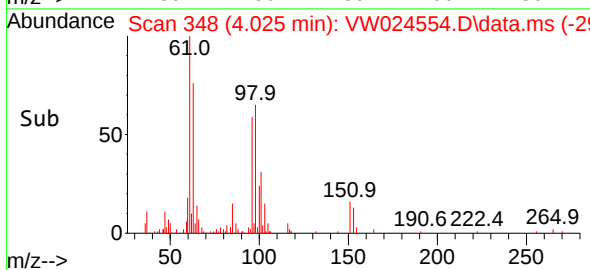
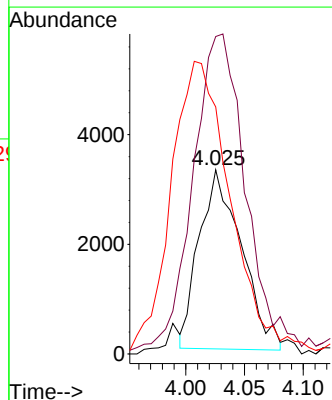
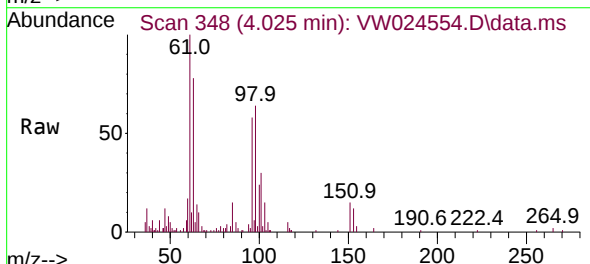
Instrument :
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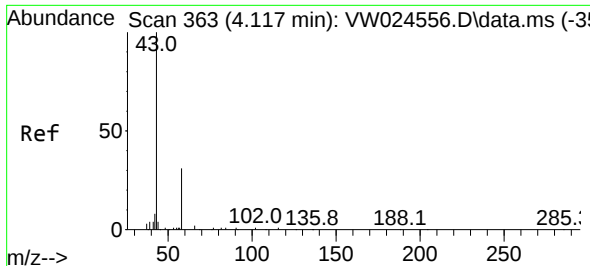
Tgt Ion:101 Resp: 11292
 Ion Ratio Lower Upper
 101 100
 85 23.5 21.8 32.8
 151 30.4 53.9 80.9#



#12
 1,1-Dichloroethene
 Concen: 2.382 ug/L
 RT: 4.025 min Scan# 348
 Delta R.T. 0.000 min
 Lab File: VW024554.D
 Acq: 06 Sep 2022 12:39

Tgt Ion: 96 Resp: 8179
 Ion Ratio Lower Upper
 96 100
 61 172.4 119.8 222.6
 63 134.2 89.6 166.4

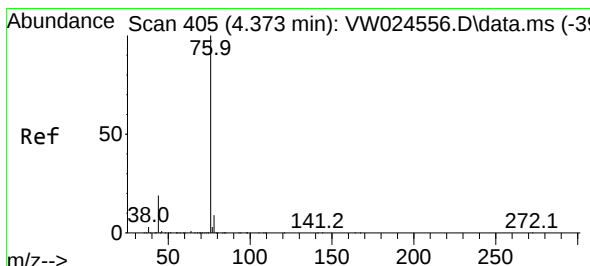
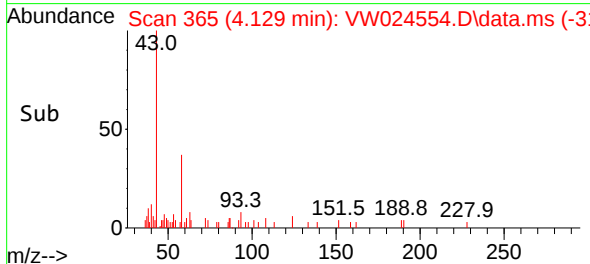
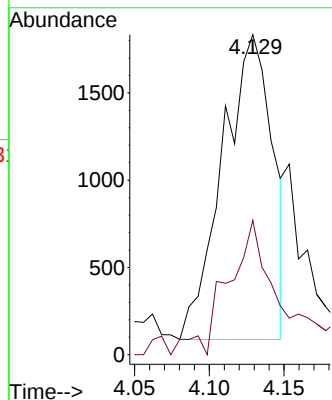
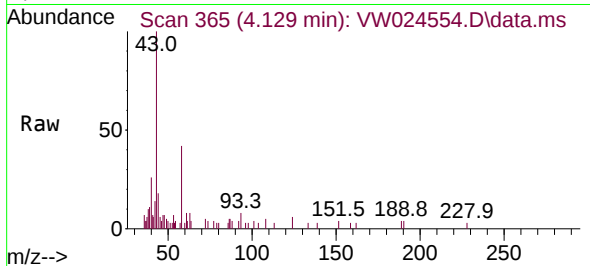




#13
Acetone
Concen: 4.863 ug/L
RT: 4.129 min Scan# 30
Delta R.T. 0.012 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

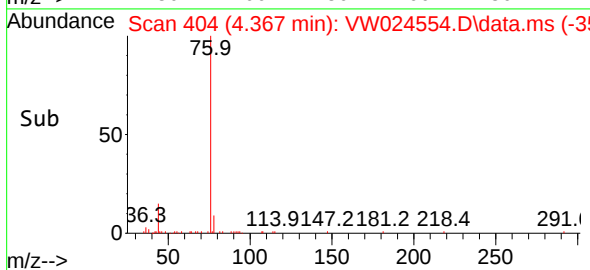
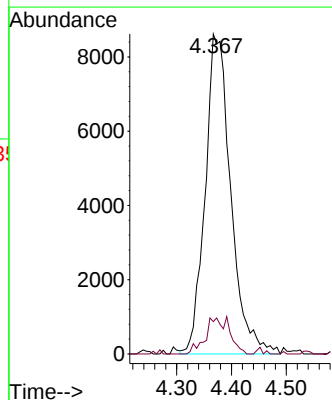
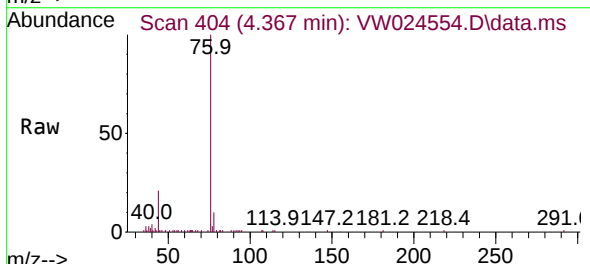
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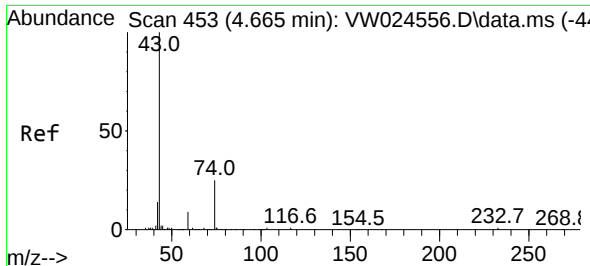
Tgt Ion: 43 Resp: 4068
Ion Ratio Lower Upper
43 100
58 28.4 0.0 57.8



#14
Carbon disulfide
Concen: 3.076 ug/L
RT: 4.367 min Scan# 404
Delta R.T. -0.006 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 76 Resp: 27939
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3

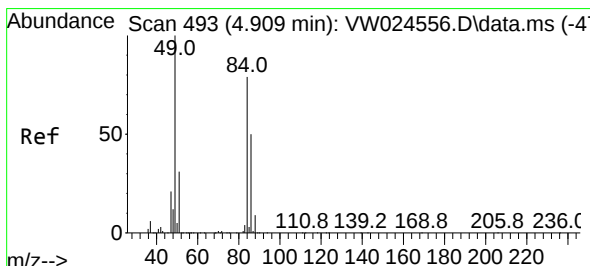
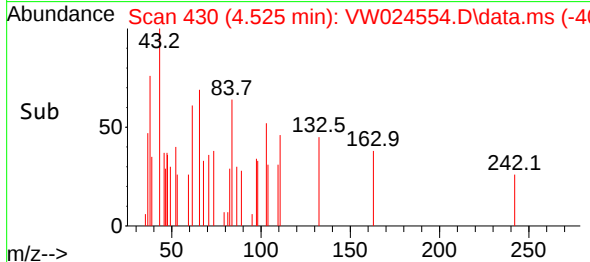
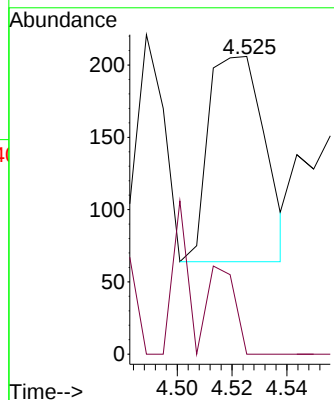
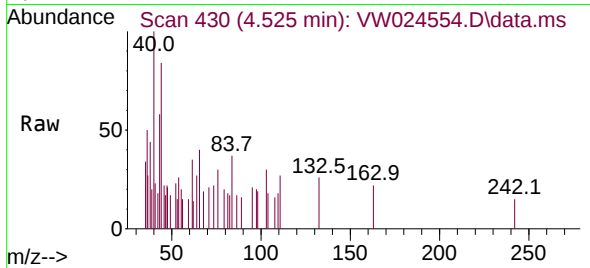




#15
Methyl Acetate
Concen: 0.111 ug/L
RT: 4.525 min Scan# 41
Delta R.T. -0.140 min
Lab File: VW024554.D
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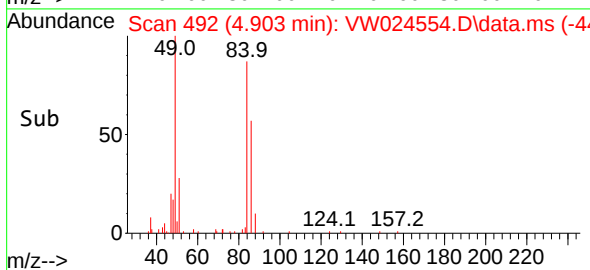
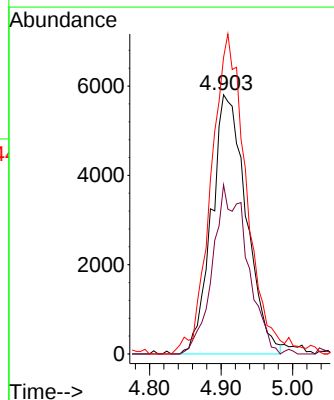
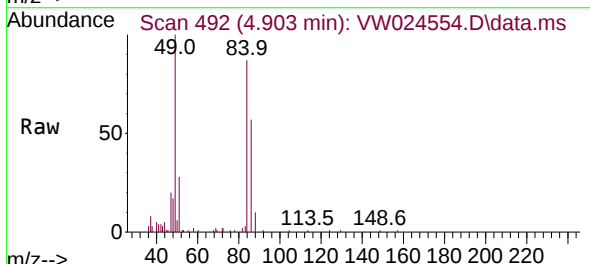
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ClientSampleId :
VSTD2.5431

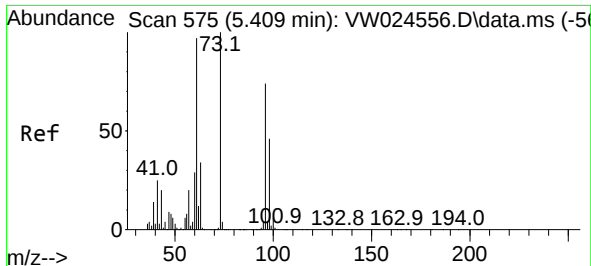
Tgt Ion: 43 Resp: 202
Ion Ratio Lower Upper
43 100
74 20.8 19.9 29.9



#16
Methylene chloride
Concen: 4.369 ug/L
RT: 4.903 min Scan# 492
Delta R.T. -0.006 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 84 Resp: 19576
Ion Ratio Lower Upper
84 100
86 65.3 44.4 82.5
49 114.4 88.5 164.3

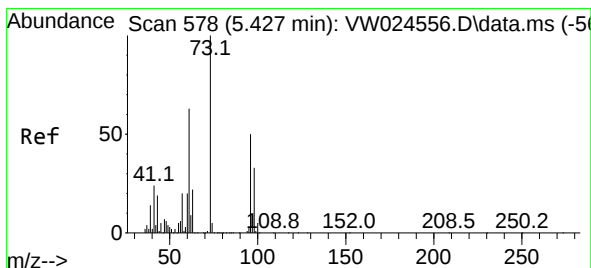
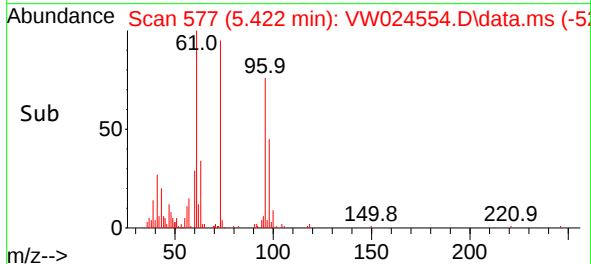
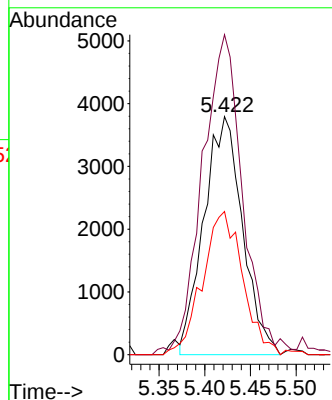
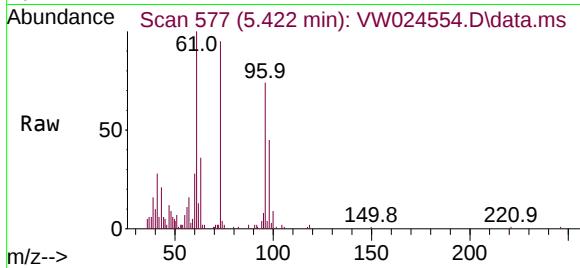




#17
trans-1,2-Dichloroethene
Concen: 2.842 ug/L
RT: 5.422 min Scan# 575
Delta R.T. 0.012 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

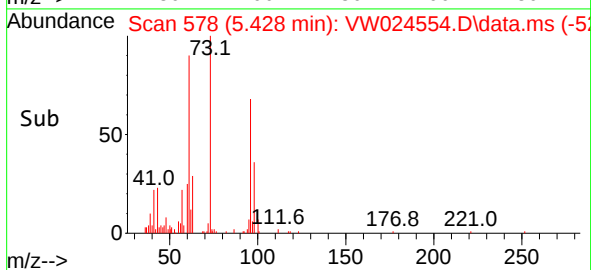
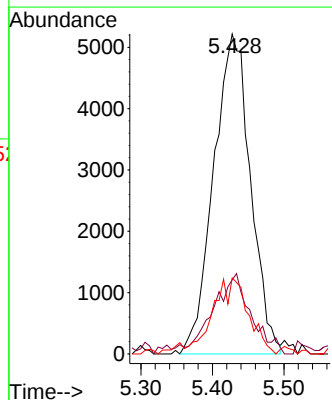
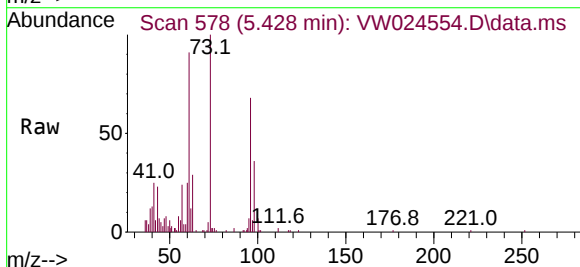
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

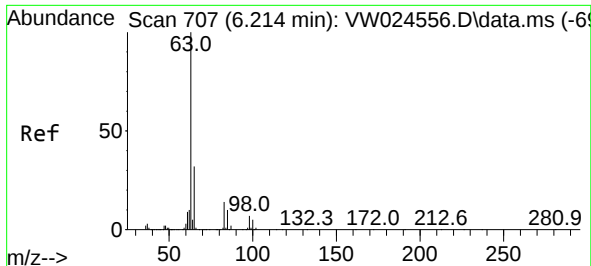
Tgt Ion: 96 Resp: 11161
Ion Ratio Lower Upper
96 100
61 134.4 91.7 170.3
98 60.1 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 2.671 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 73 Resp: 18706
Ion Ratio Lower Upper
73 100
43 23.2 16.7 25.1
57 12.0 16.8 25.2#





#19

1,1-Dichloroethane

Concen: 2.813 ug/L

RT: 6.214 min Scan# 707

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5431

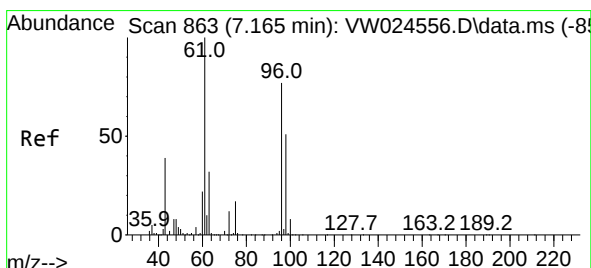
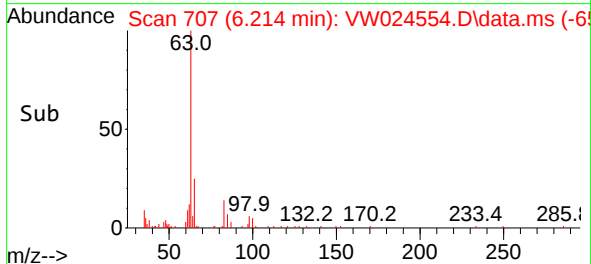
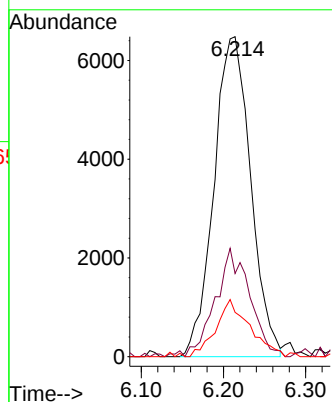
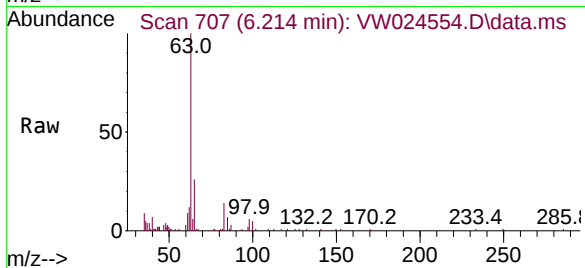
Tgt Ion: 63 Resp: 20125

Ion Ratio Lower Upper

63 100

65 26.0 22.0 41.0

83 13.9 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 1.352 ug/L

RT: 7.159 min Scan# 862

Delta R.T. -0.006 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

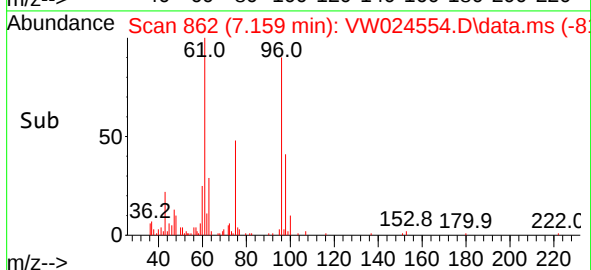
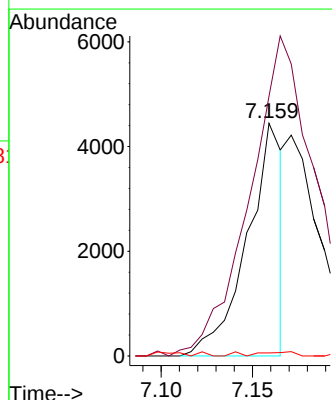
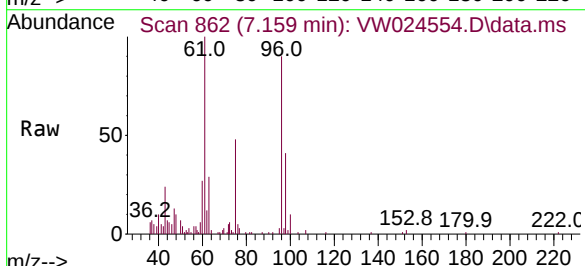
Tgt Ion: 96 Resp: 5964

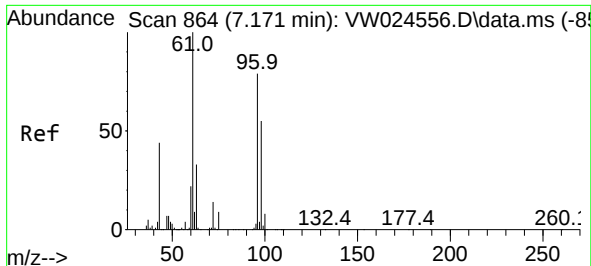
Ion Ratio Lower Upper

96 100

61 111.6 91.2 169.4

68 1.3 0.0 0.0#

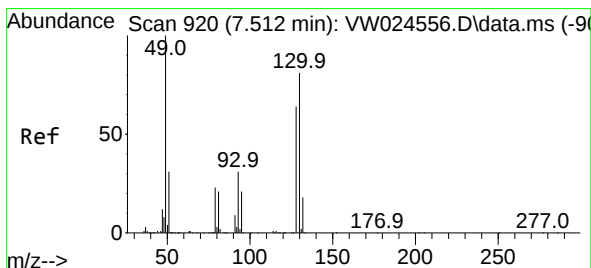
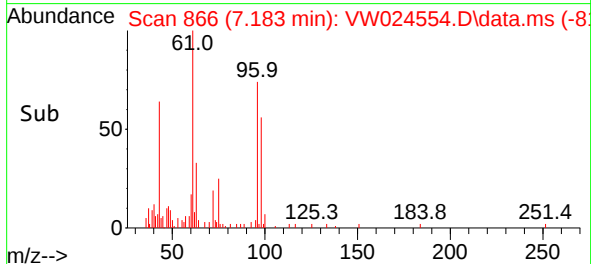
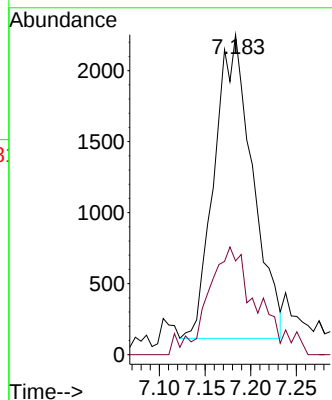
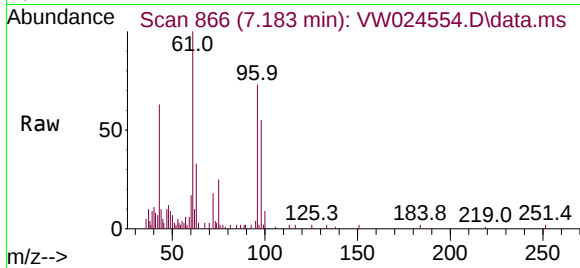




#22
2-Butanone
Concen: 4.519 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

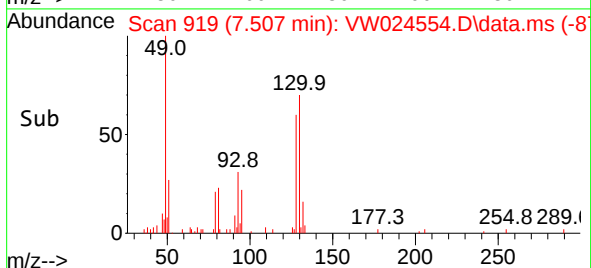
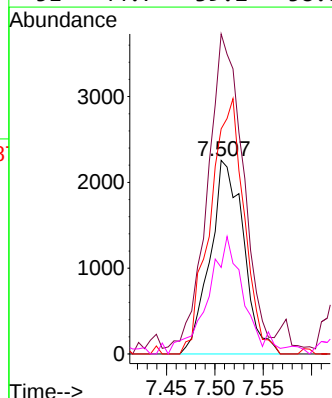
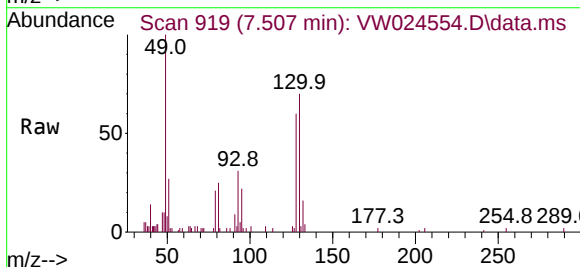
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

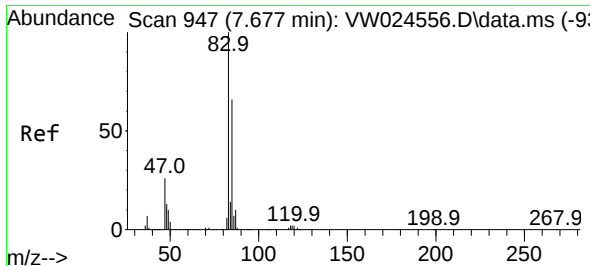
Tgt Ion: 43 Resp: 6213
Ion Ratio Lower Upper
43 100
72 28.8 15.4 46.4



#23
Bromochloromethane
Concen: 2.654 ug/L
RT: 7.507 min Scan# 919
Delta R.T. -0.006 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 128 Resp: 5419
Ion Ratio Lower Upper
128 100
49 165.3 110.0 204.2
130 116.3 88.3 163.9
51 44.7 39.2 58.8

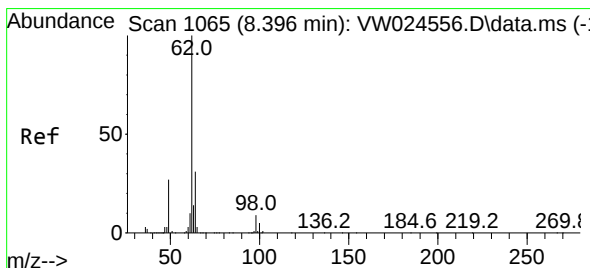
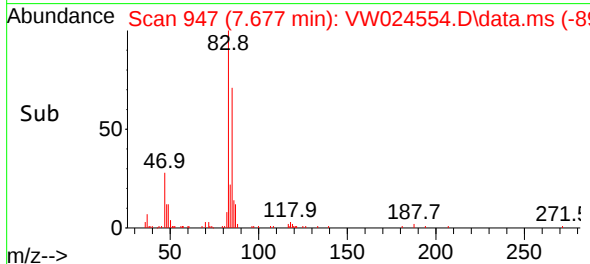
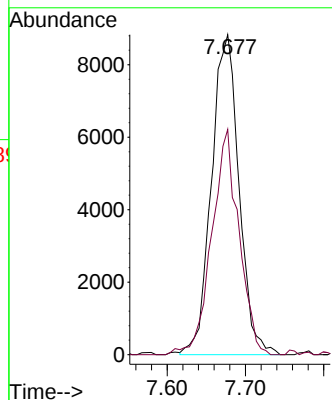
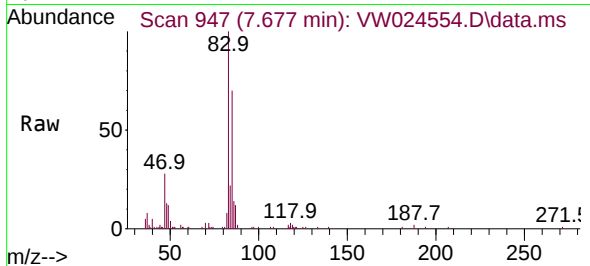




#25
Chloroform
Concen: 2.715 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

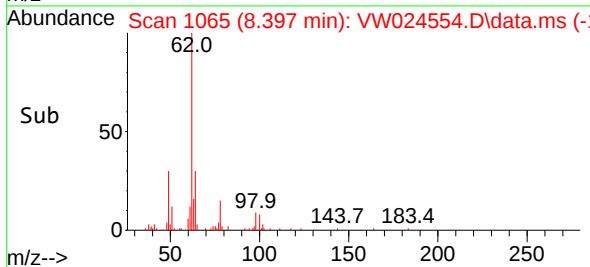
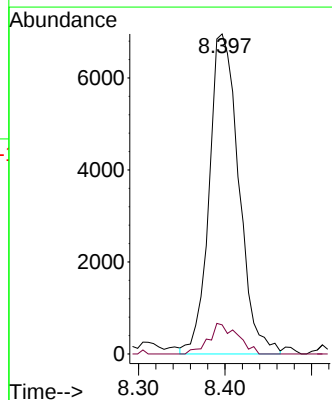
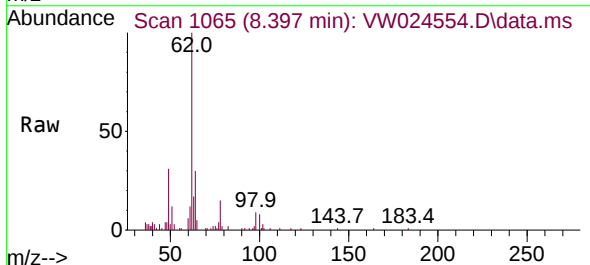
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

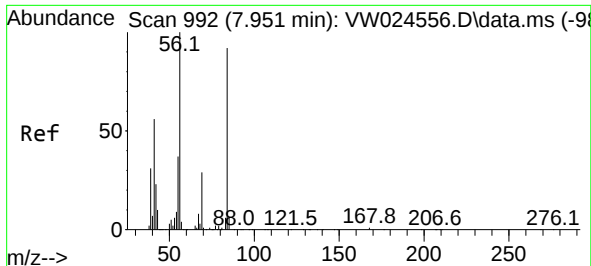
Tgt Ion: 83 Resp: 21579
Ion Ratio Lower Upper
83 100
85 70.4 46.4 86.2



#27
1,2-Dichloroethane
Concen: 3.095 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 62 Resp: 16537
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0





#29

Cyclohexane

Concen: 2.624 ug/L

RT: 7.952 min Scan# 992

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5431

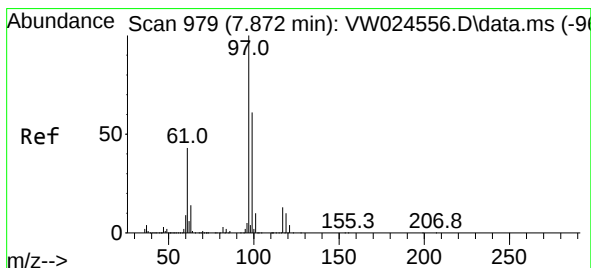
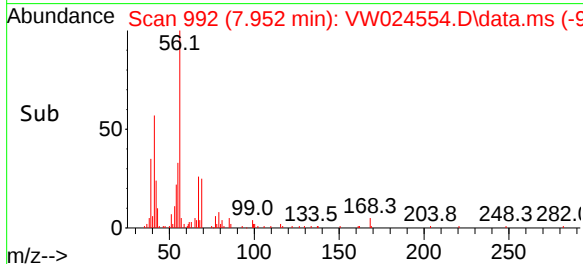
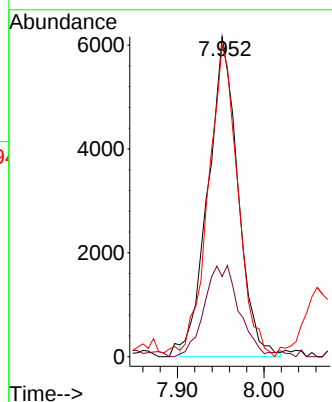
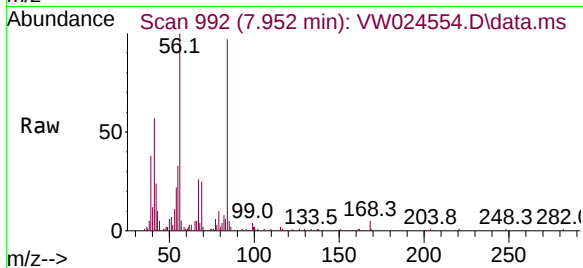
Tgt Ion: 56 Resp: 14711

Ion Ratio Lower Upper

56 100

69 18.6 24.5 36.7#

84 96.7 75.7 113.5



#30

1,1,1-Trichloroethane

Concen: 2.902 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

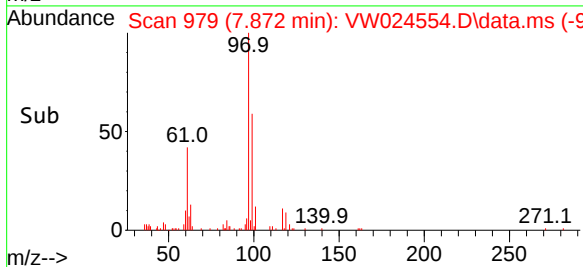
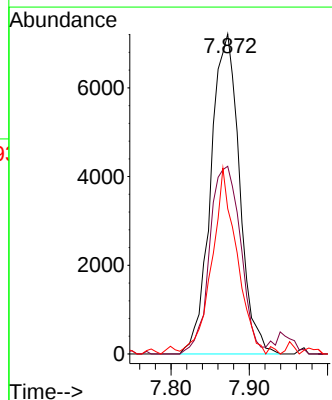
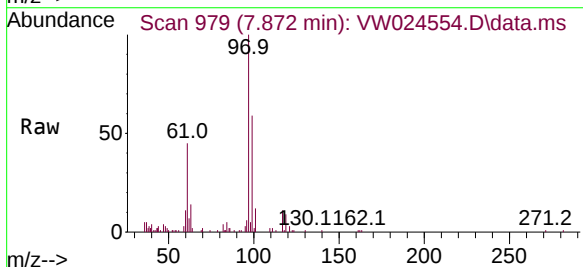
Tgt Ion: 97 Resp: 18428

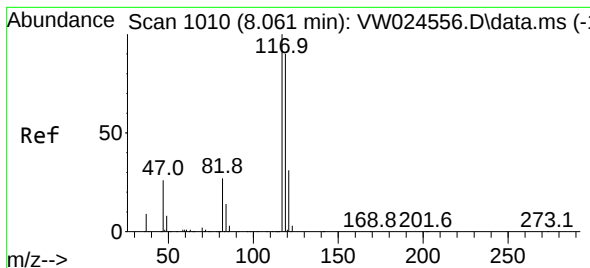
Ion Ratio Lower Upper

97 100

99 62.9 51.5 77.3

61 50.3 37.2 55.8

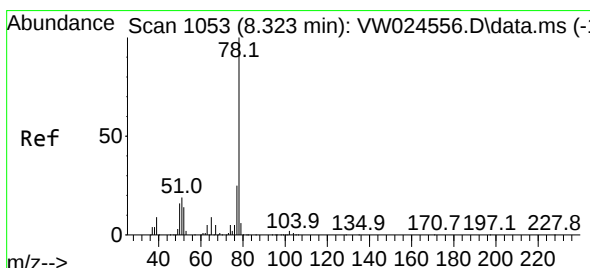
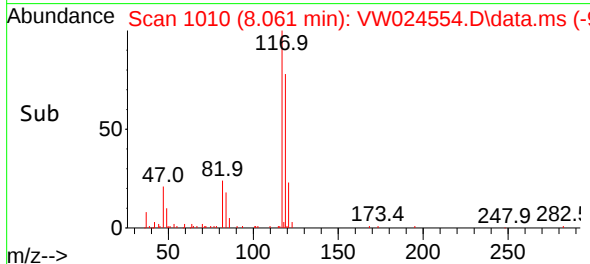
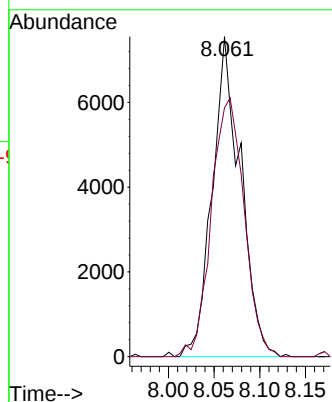
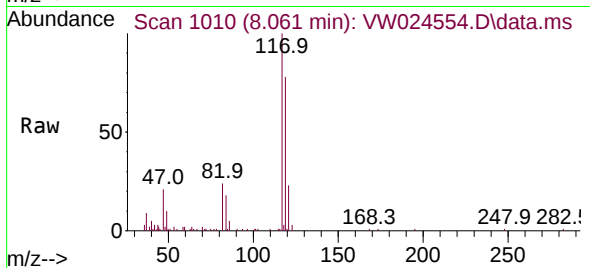




#31
Carbon tetrachloride
Concen: 2.809 ug/L
RT: 8.061 min Scan# 1010
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

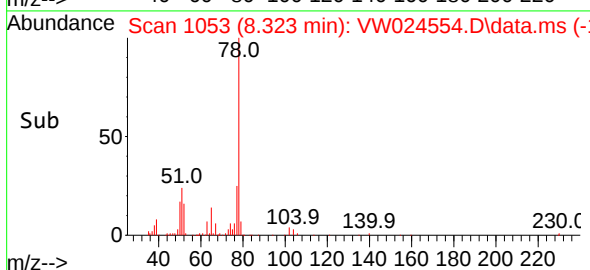
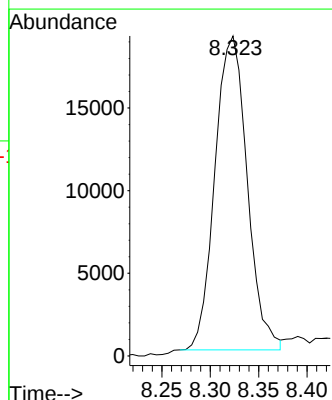
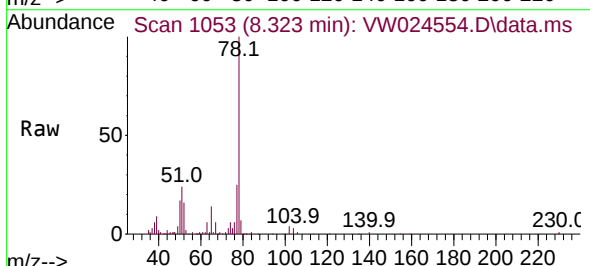
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

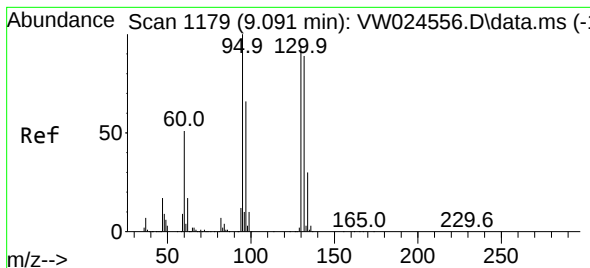
Tgt Ion:117 Resp: 16292
Ion Ratio Lower Upper
117 100
119 93.2 74.4 111.6



#33
Benzene
Concen: 2.679 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 78 Resp: 44032





#34

Trichloroethene

Concen: 2.893 ug/L

RT: 9.085 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5431

Tgt Ion: 95 Resp: 12417

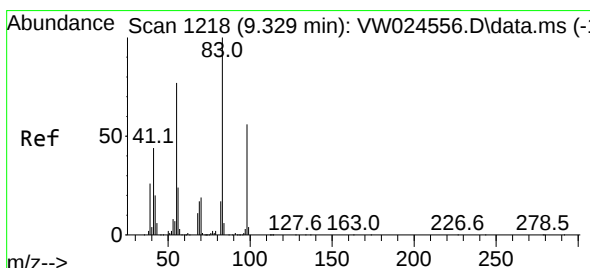
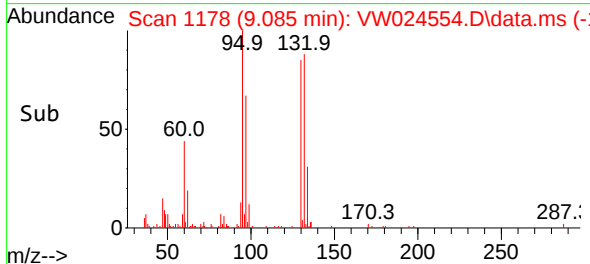
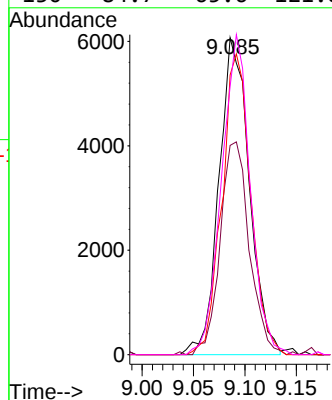
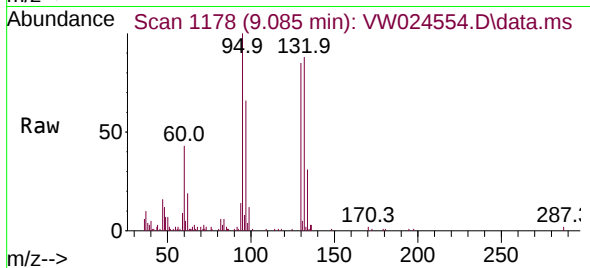
Ion Ratio Lower Upper

95 100

97 66.0 45.9 85.3

132 88.2 62.6 116.2

130 84.7 65.6 121.8



#35

Methylcyclohexane

Concen: 2.582 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

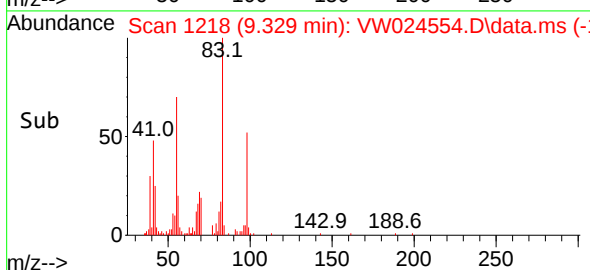
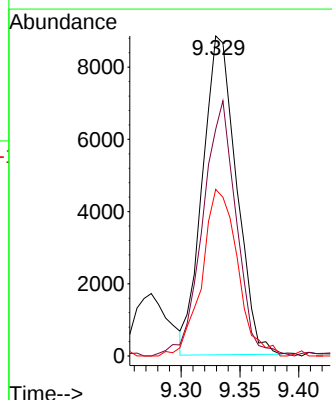
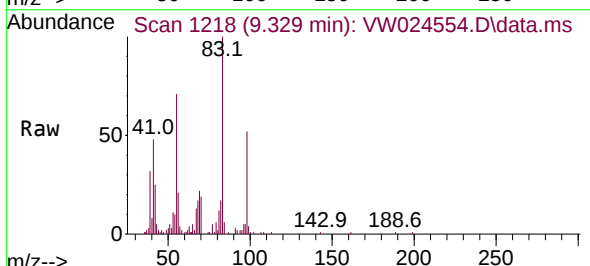
Tgt Ion: 83 Resp: 17732

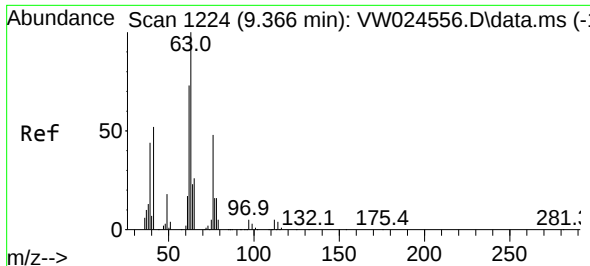
Ion Ratio Lower Upper

83 100

55 79.0 57.3 85.9

98 54.4 40.4 60.6





#37

1,2-Dichloropropane

Concen: 2.687 ug/L

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

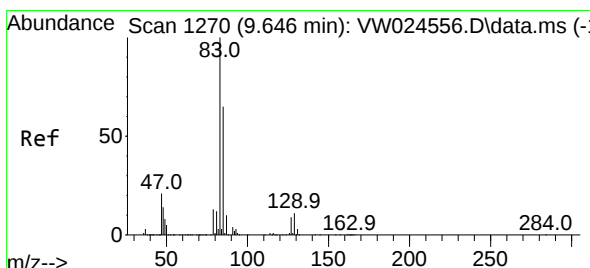
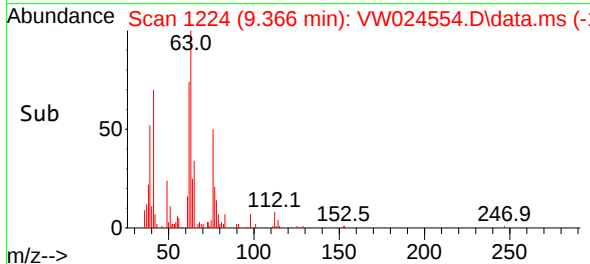
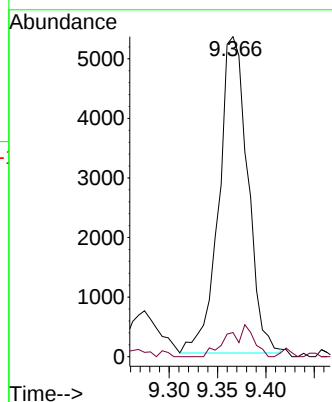
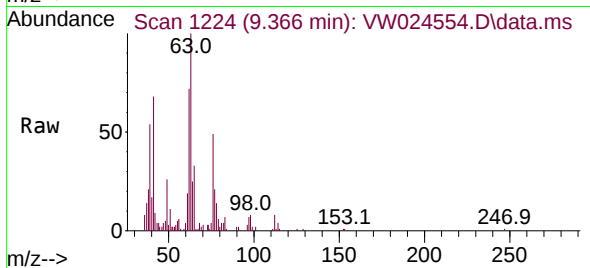
VSTD2.5431

Tgt Ion: 63 Resp: 11029

Ion Ratio Lower Upper

63 100

112 4.0 3.9 5.9



#38

Bromodichloromethane

Concen: 2.668 ug/L

RT: 9.640 min Scan# 1269

Delta R.T. -0.006 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

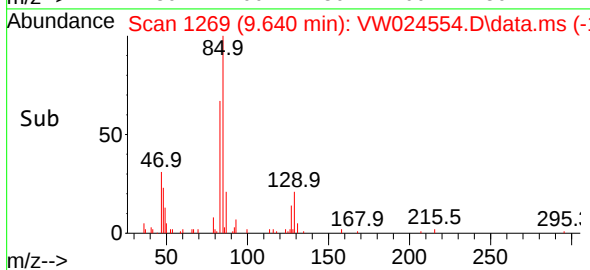
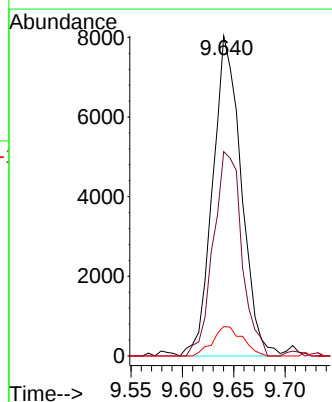
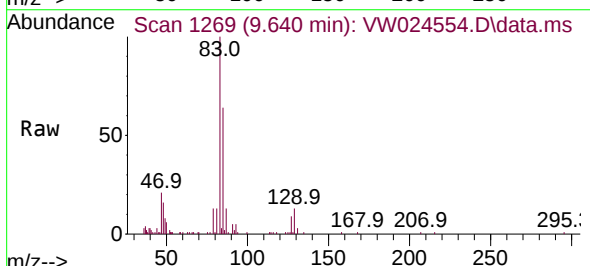
Tgt Ion: 83 Resp: 15480

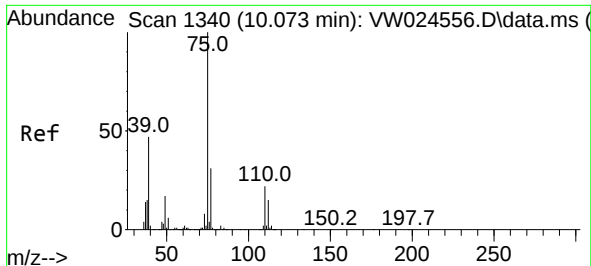
Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

127 9.2 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 2.465 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

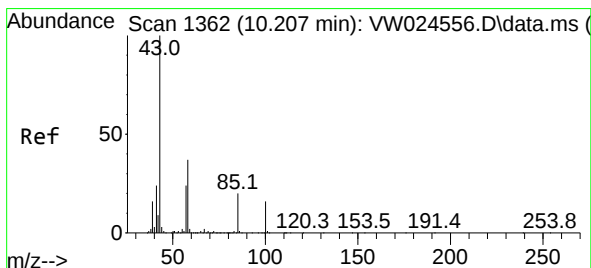
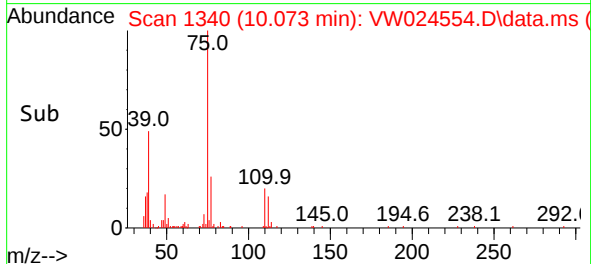
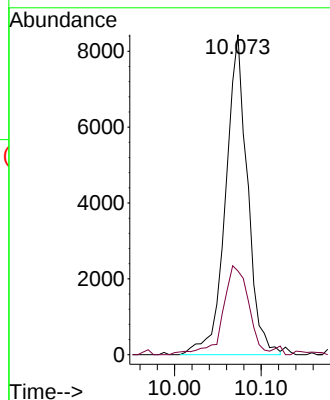
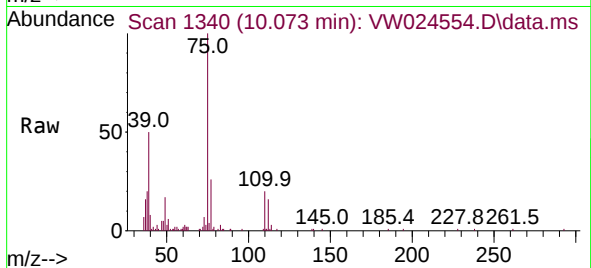
VSTD2.5431

Tgt Ion: 75 Resp: 14795

Ion Ratio Lower Upper

75 100

77 26.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 5.267 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

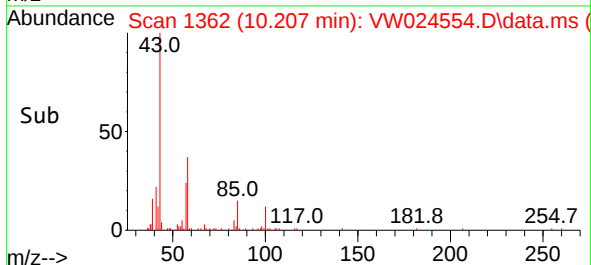
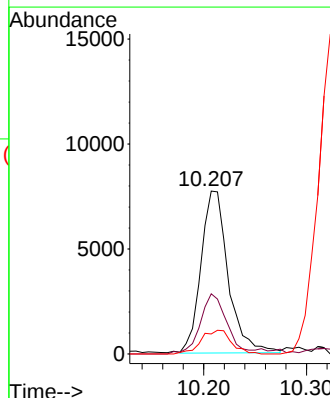
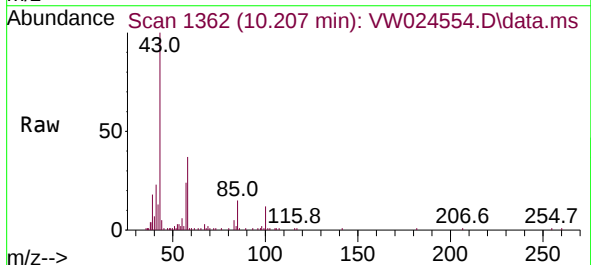
Tgt Ion: 43 Resp: 14260

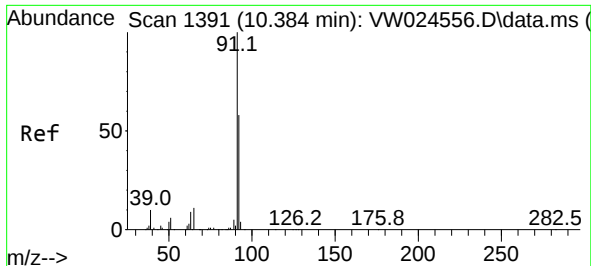
Ion Ratio Lower Upper

43 100

58 35.9 30.9 46.3

100 16.2 13.3 19.9

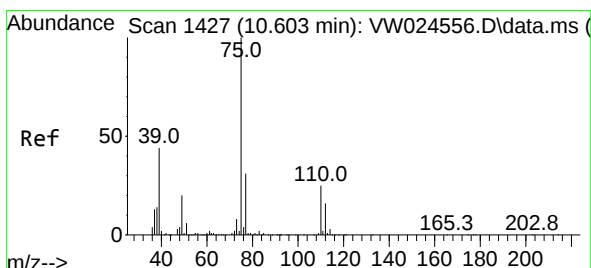
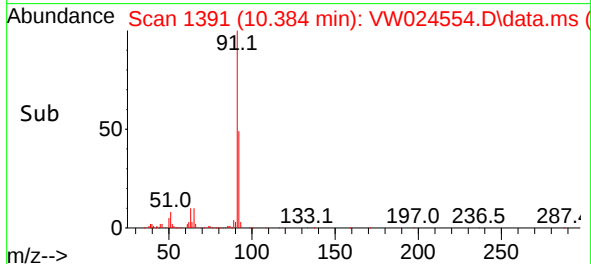
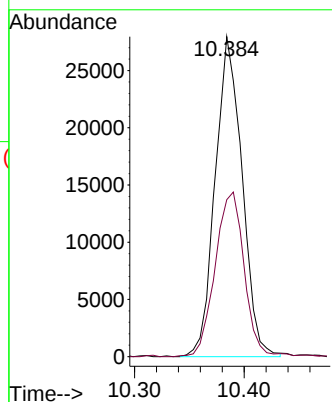
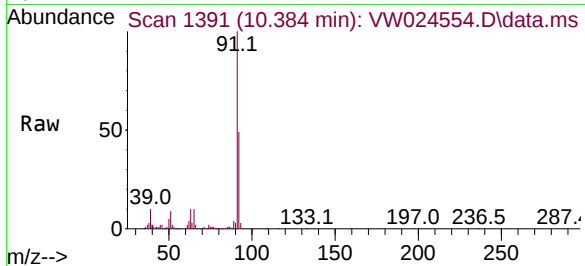




#42
Toluene
Concen: 2.628 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

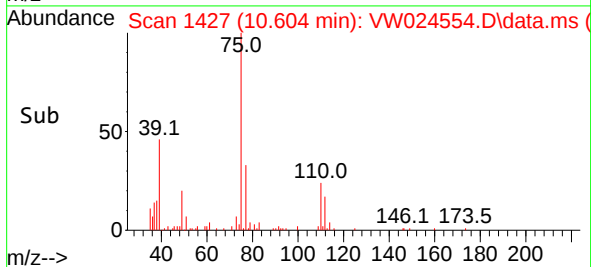
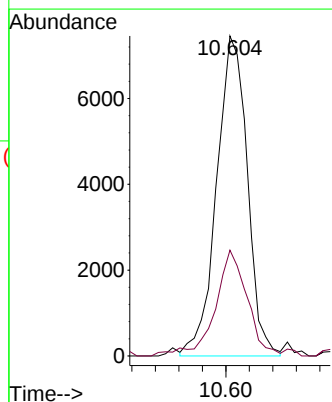
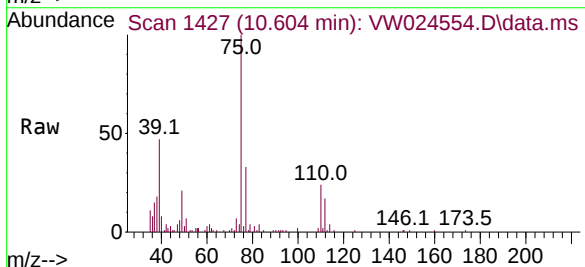
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

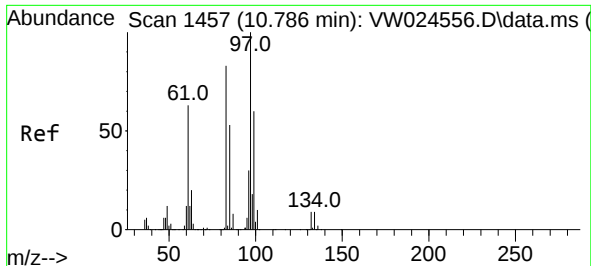
Tgt Ion: 91 Resp: 47621
Ion Ratio Lower Upper
91 100
92 49.1 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 2.387 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 75 Resp: 13531
Ion Ratio Lower Upper
75 100
77 33.0 21.8 40.4

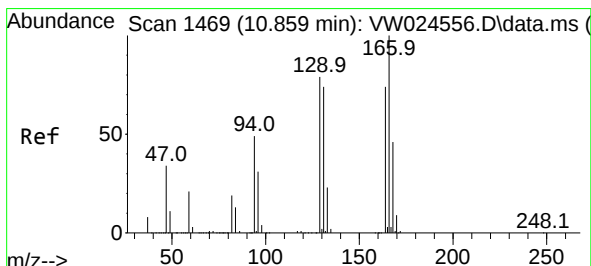
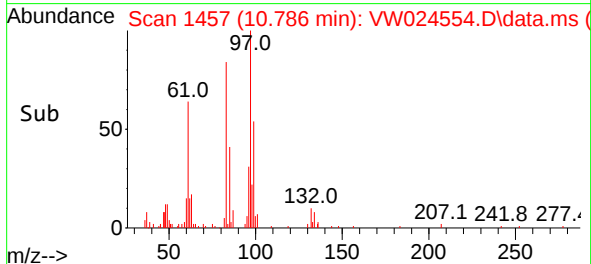
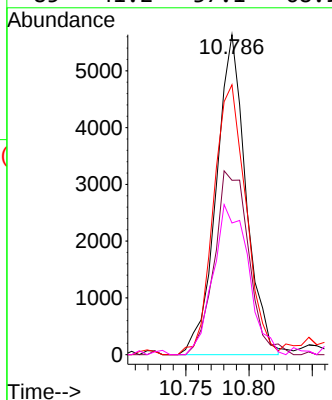
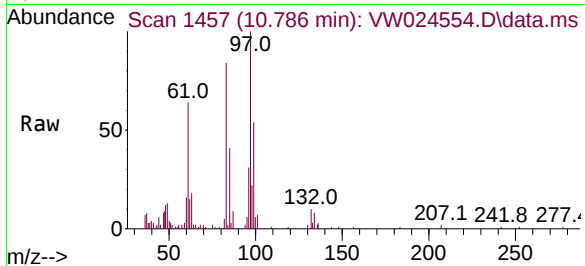




#45
1,1,2-Trichloroethane
Concen: 2.681 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

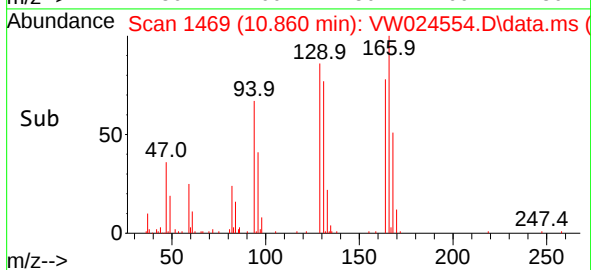
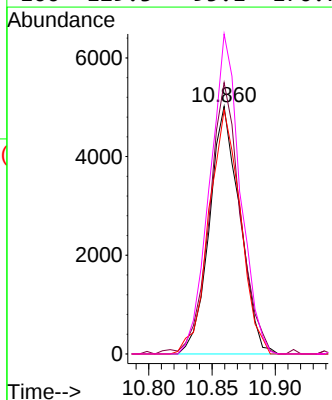
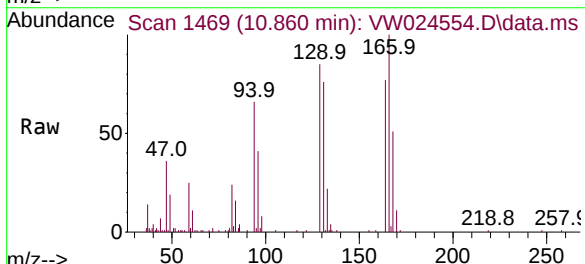
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

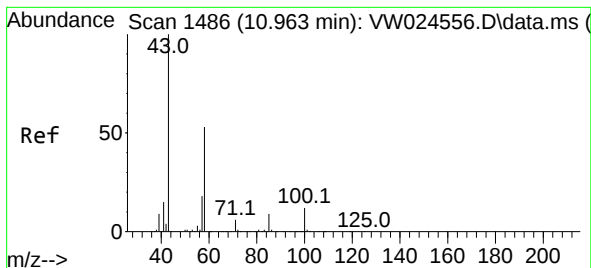
Tgt Ion:	97	Resp:	9197
Ion	Ratio	Lower	Upper
97	100		
99	54.5	41.9	77.9
83	84.4	58.2	108.0
85	41.2	37.1	68.9



#46
Tetrachloroethene
Concen: 2.652 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion:	164	Resp:	8388
Ion	Ratio	Lower	Upper
164	100		
129	109.6	75.0	139.2
131	98.5	70.1	130.1
166	129.3	95.1	176.7





#48

2-Hexanone

Concen: 5.095 ug/L

RT: 10.963 min Scan# 1486

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5431

Tgt Ion: 43 Resp: 9460

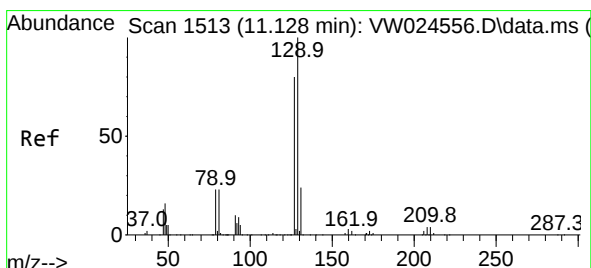
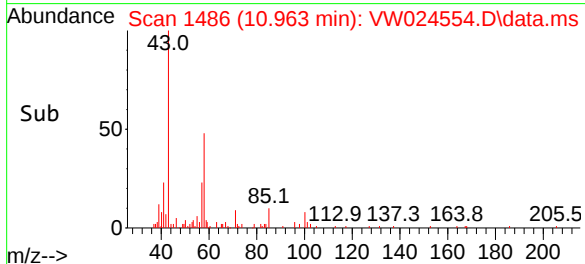
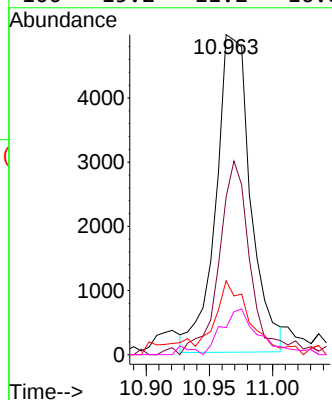
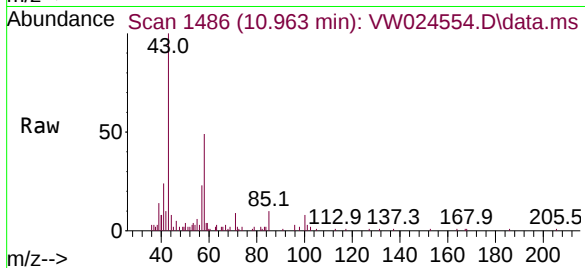
Ion Ratio Lower Upper

43 100

58 52.2 43.7 65.5

57 22.4 15.3 22.9

100 15.2 11.2 16.8



#49

Dibromochloromethane

Concen: 2.404 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW024554.D

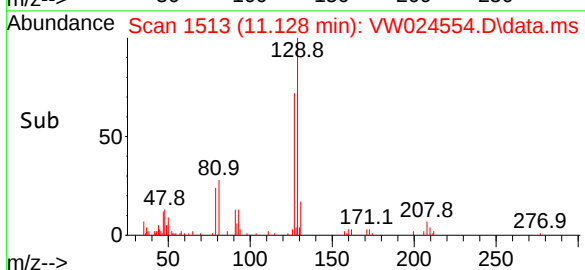
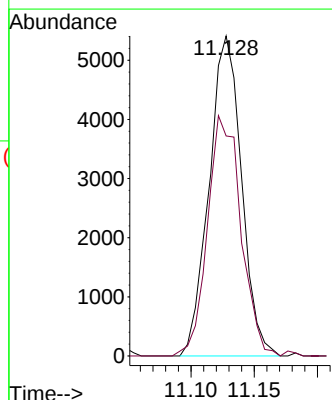
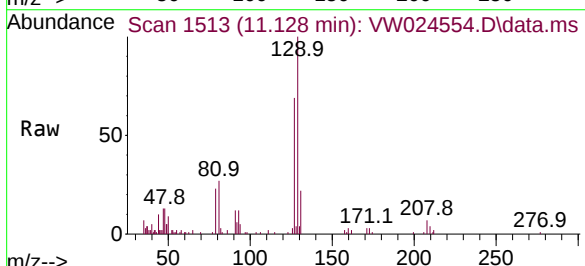
Acq: 06 Sep 2022 12:39

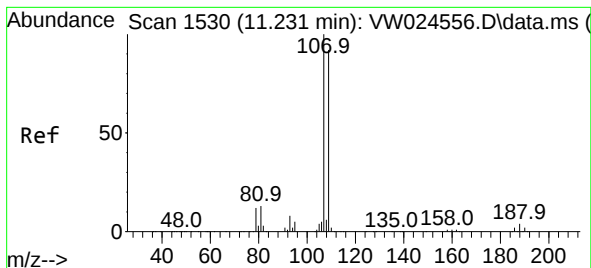
Tgt Ion: 129 Resp: 9641

Ion Ratio Lower Upper

129 100

127 68.8 56.1 104.1

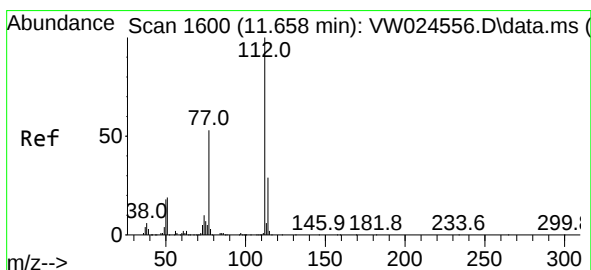
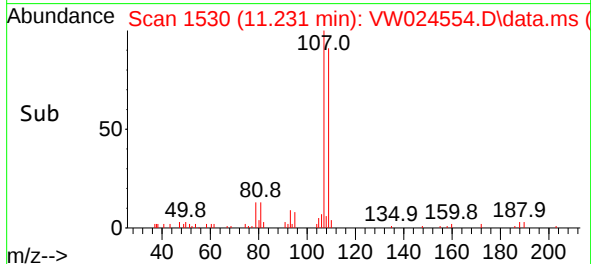
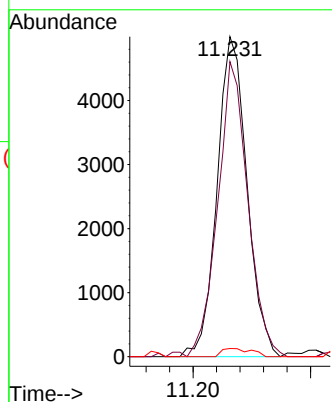
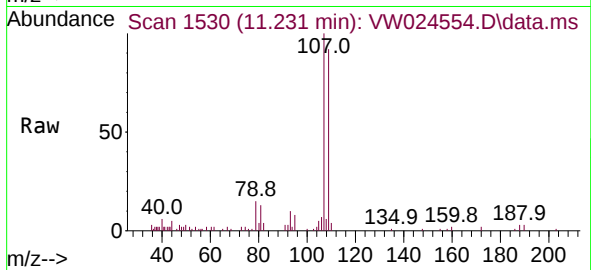




#50
1,2-Dibromoethane
Concen: 2.653 ug/L
RT: 11.231 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

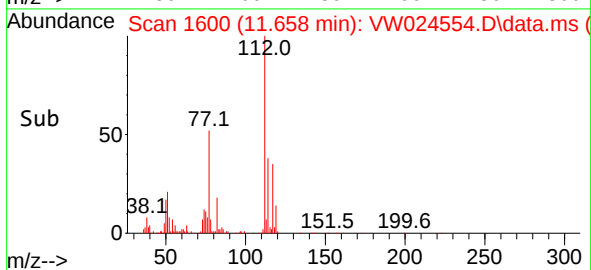
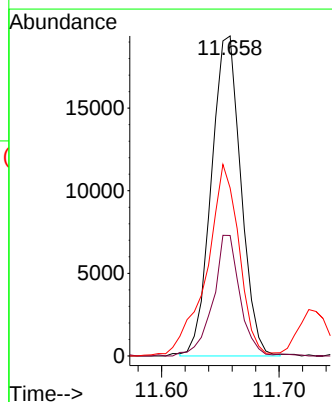
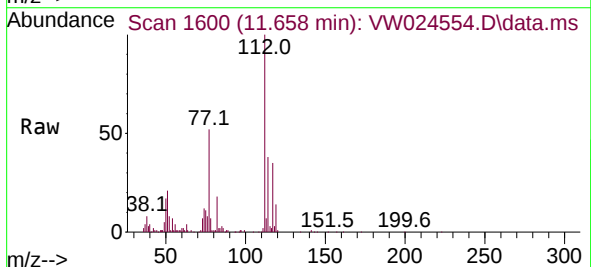
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

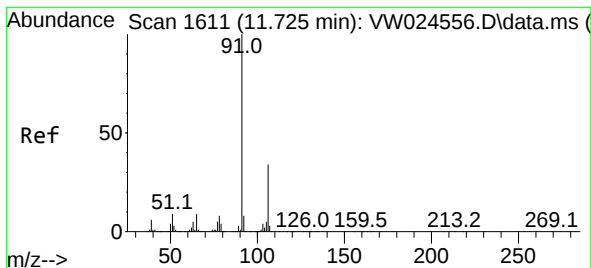
Tgt Ion:107 Resp: 8831
Ion Ratio Lower Upper
107 100
109 92.2 64.5 119.9
188 2.5 3.0 4.4#



#51
Chlorobenzene
Concen: 2.704 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion:112 Resp: 33841
Ion Ratio Lower Upper
112 100
114 37.6 20.0 37.2#
77 52.5 42.6 63.8

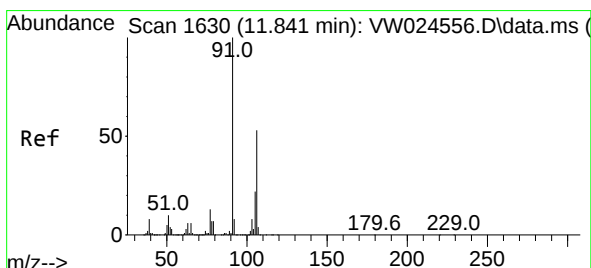
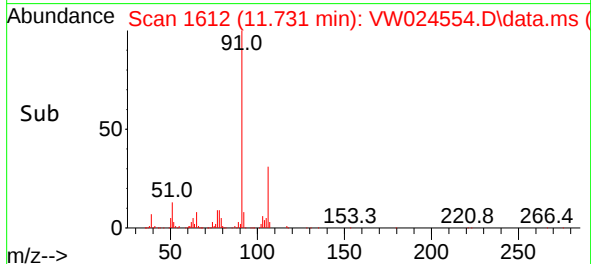
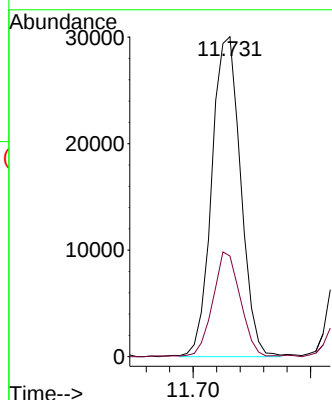
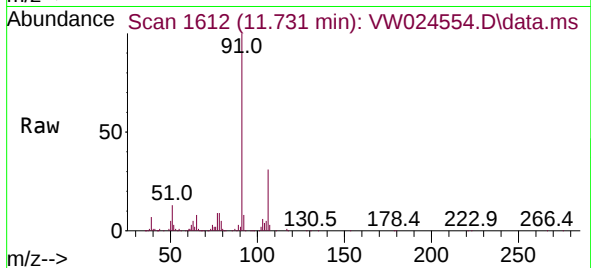




#52
Ethylbenzene
Concen: 2.494 ug/L
RT: 11.731 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

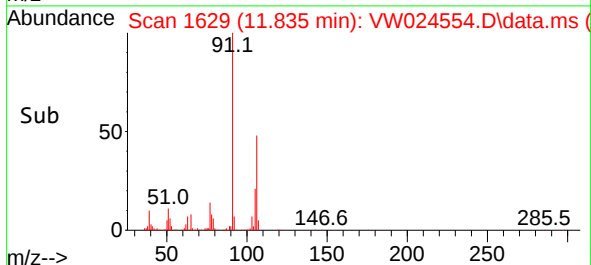
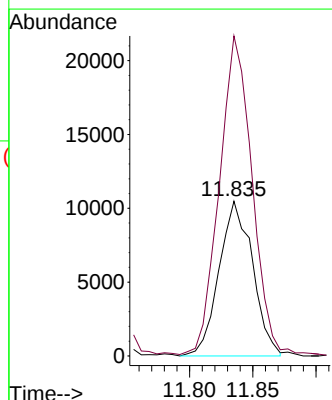
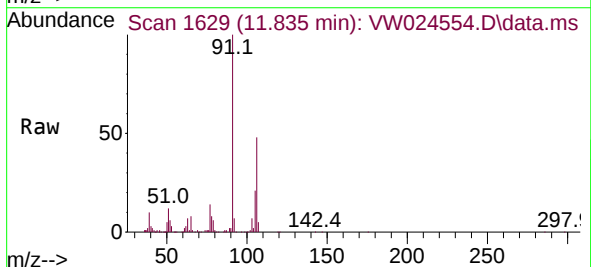
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

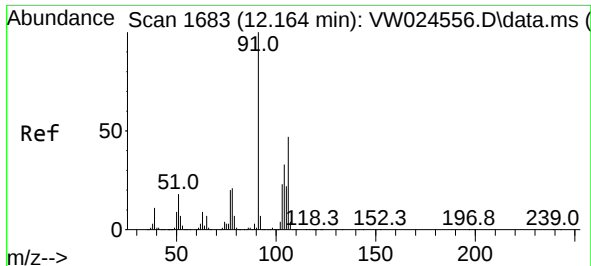
Tgt Ion: 91 Resp: 51303
Ion Ratio Lower Upper
91 100
106 31.4 23.8 44.2



#53
m,p-Xylene
Concen: 2.403 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 106 Resp: 19316
Ion Ratio Lower Upper
106 100
91 206.7 131.3 243.8

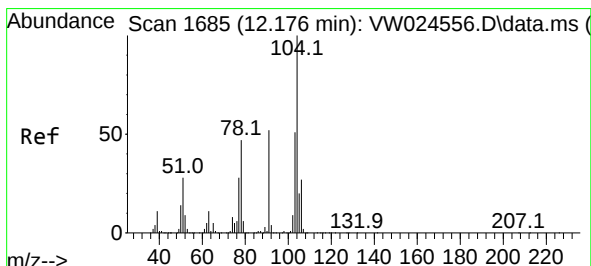
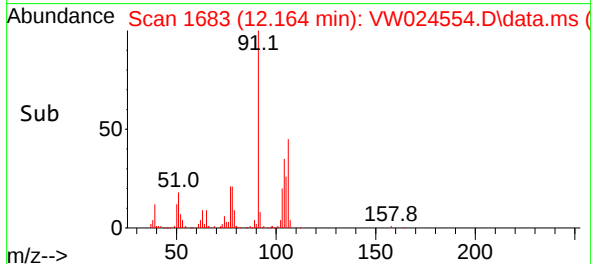
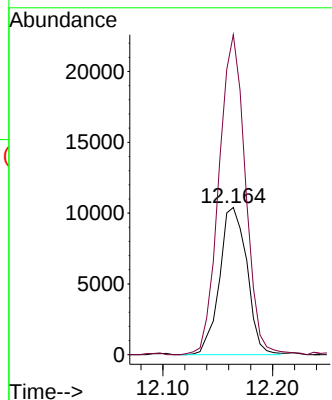
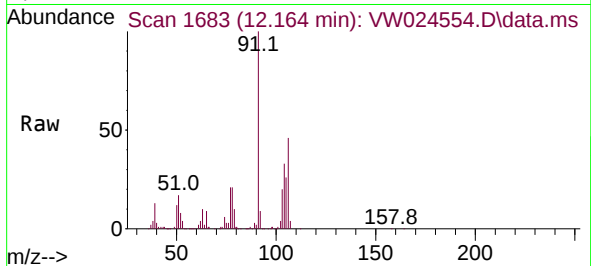




#54
o-Xylene
Concen: 2.357 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

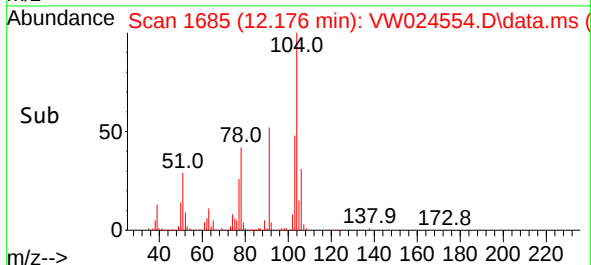
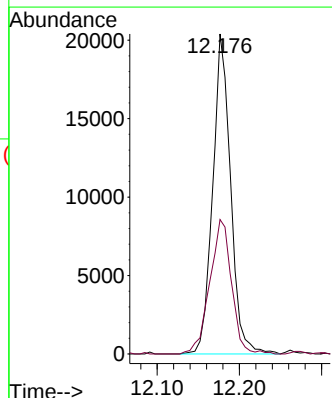
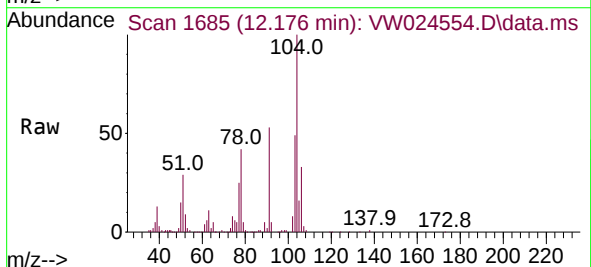
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

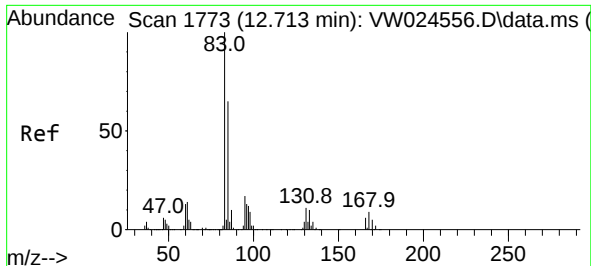
Tgt Ion:106 Resp: 18037
Ion Ratio Lower Upper
106 100
91 217.4 148.7 276.3



#55
Styrene
Concen: 2.293 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion:104 Resp: 30880
Ion Ratio Lower Upper
104 100
78 42.0 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 2.723 ug/L

RT: 12.713 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5431

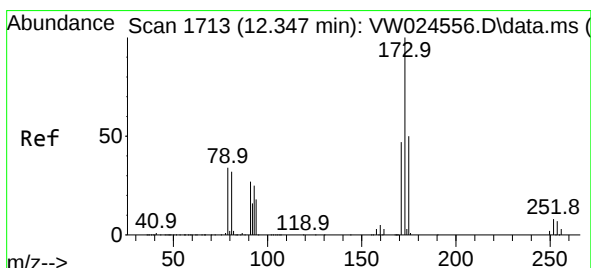
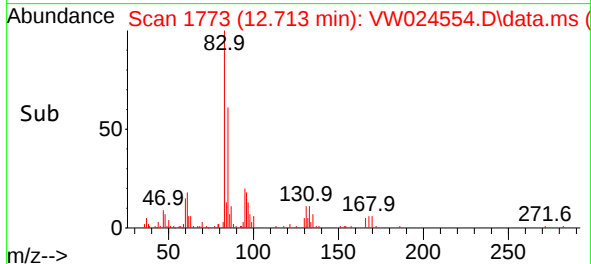
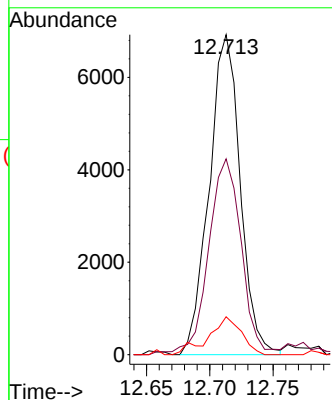
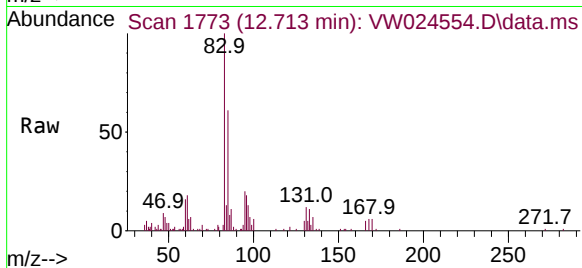
Tgt Ion: 83 Resp: 11826

Ion Ratio Lower Upper

83 100

85 61.2 45.6 84.8

131 11.9 9.0 13.4



#59

Bromoform

Concen: 2.485 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

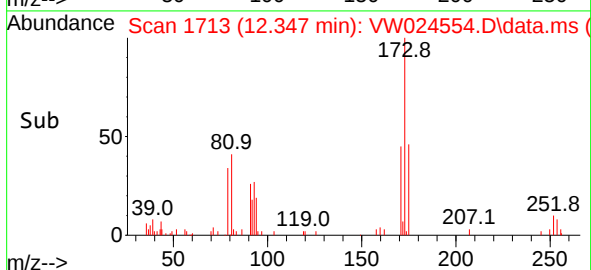
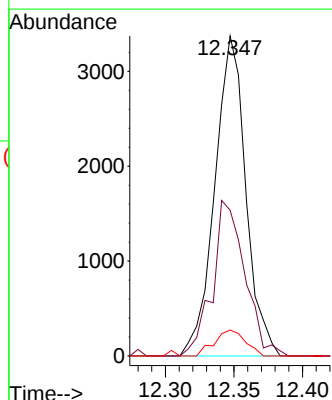
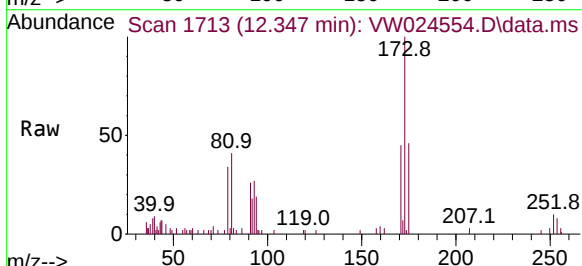
Tgt Ion: 173 Resp: 5300

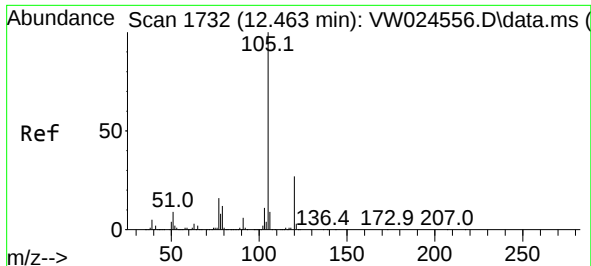
Ion Ratio Lower Upper

173 100

175 49.5 40.5 60.7

254 8.1 6.4 9.6

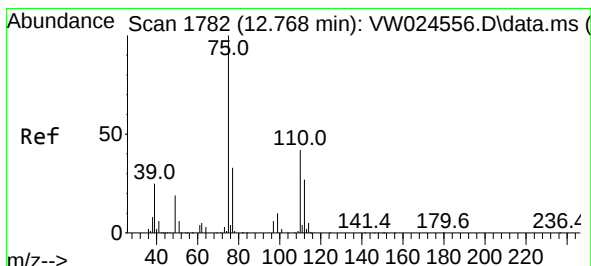
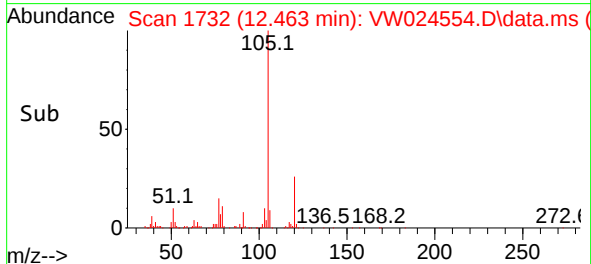
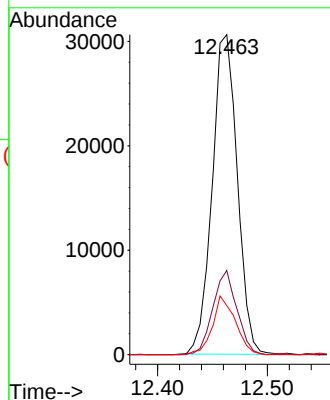
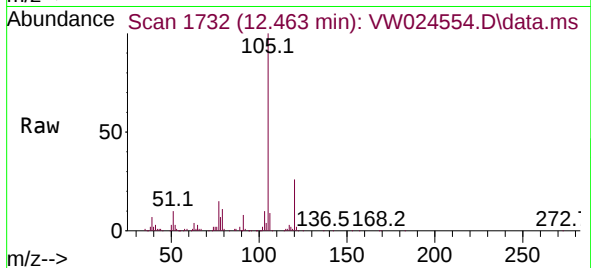




#60
Isopropylbenzene
Concen: 2.454 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

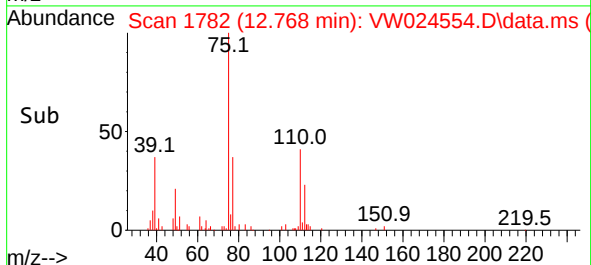
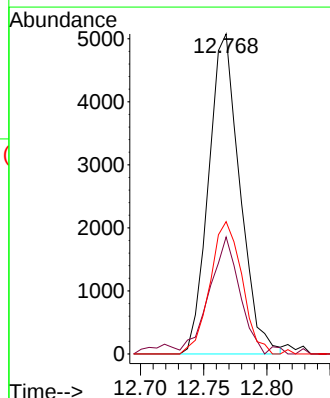
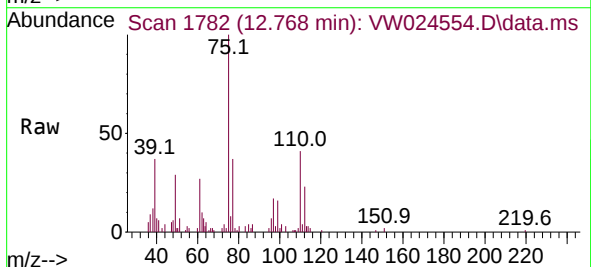
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

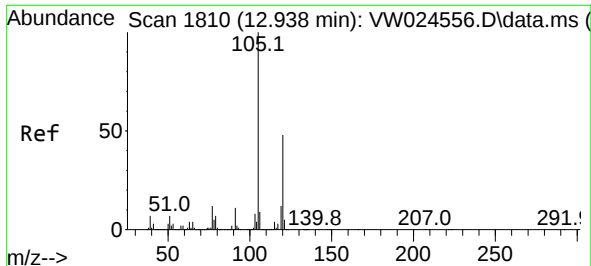
Tgt Ion:105 Resp: 48762
Ion Ratio Lower Upper
105 100
120 25.2 20.9 31.3
77 16.7 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 2.878 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion: 75 Resp: 8739
Ion Ratio Lower Upper
75 100
77 35.2 26.8 40.2
110 42.1 33.8 50.8





#62

1,3,5-Trimethylbenzene

Concen: 2.296 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

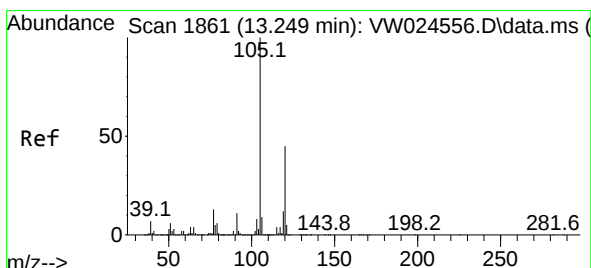
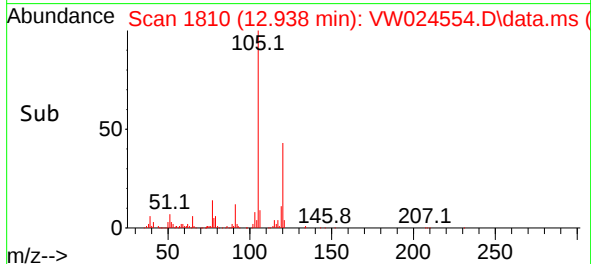
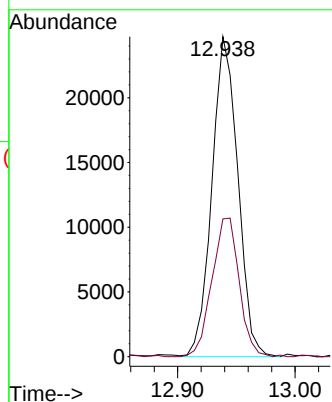
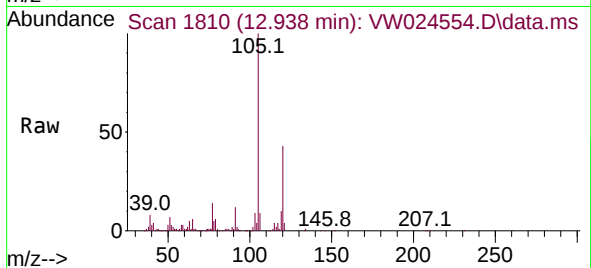
VSTD2.5431

Tgt Ion:105 Resp: 37879

Ion Ratio Lower Upper

105 100

120 45.4 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 2.267 ug/L

RT: 13.243 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VW024554.D

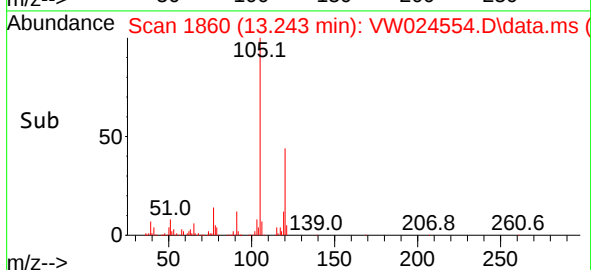
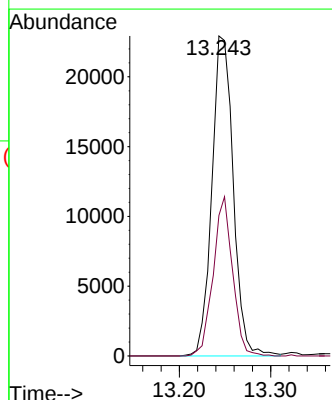
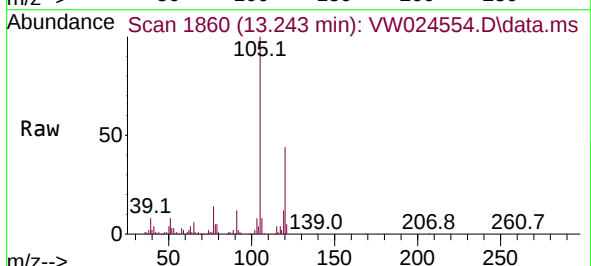
Acq: 06 Sep 2022 12:39

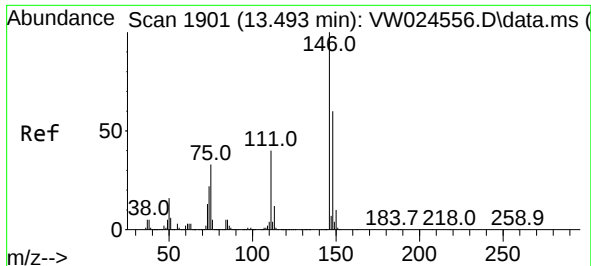
Tgt Ion:105 Resp: 37233

Ion Ratio Lower Upper

105 100

120 45.1 36.7 55.1

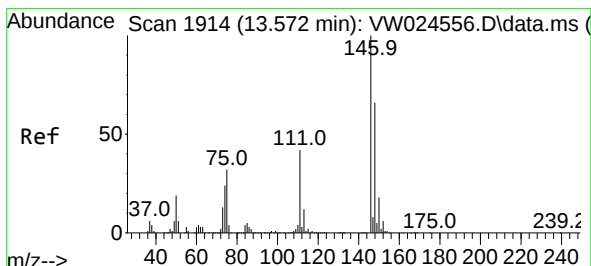
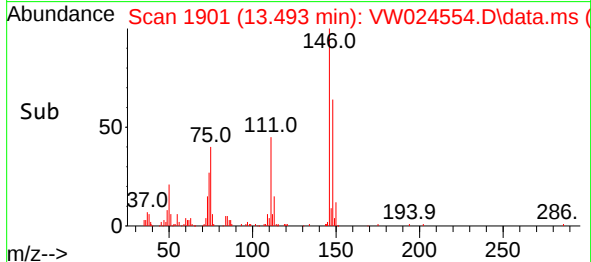
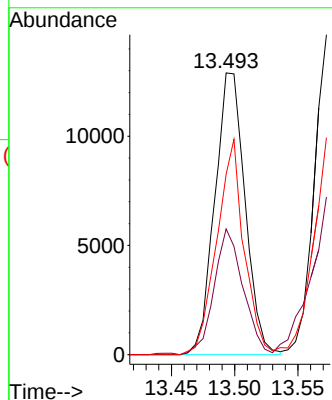
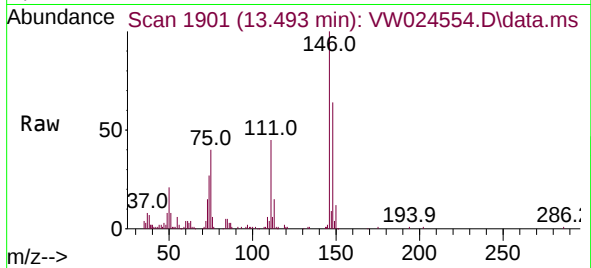




#64
1,3-Dichlorobenzene
Concen: 2.399 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

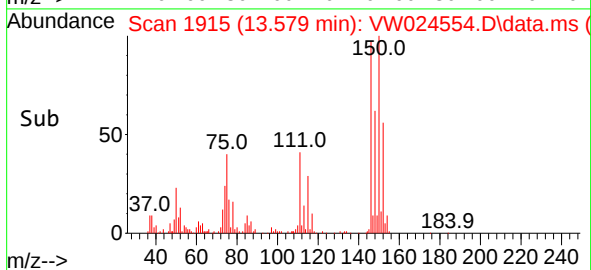
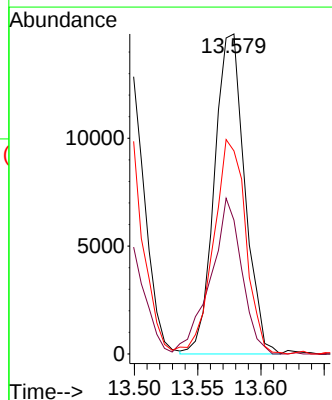
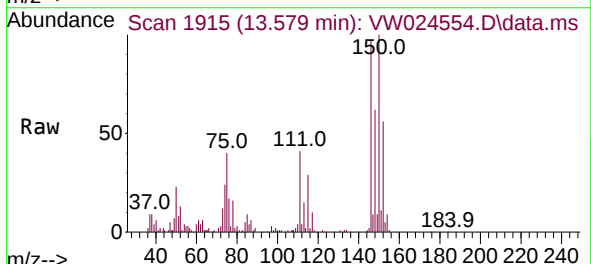
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5431

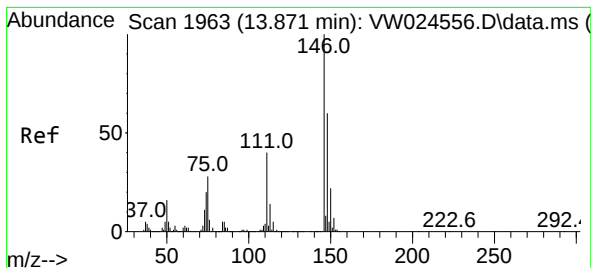
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	28.3	52.5
148	64.0	42.2	78.4



#65
1,4-Dichlorobenzene
Concen: 2.621 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW024554.D
Acq: 06 Sep 2022 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	29.3	54.3
148	63.4	45.9	85.3





#67

1,2-Dichlorobenzene

Concen: 2.484 ug/L

RT: 13.865 min Scan# 1963

Delta R.T. -0.006 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5431

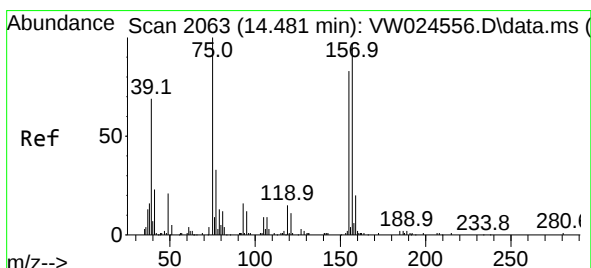
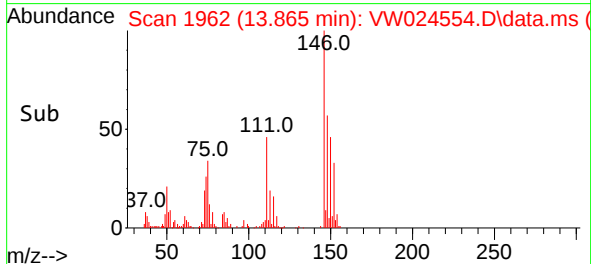
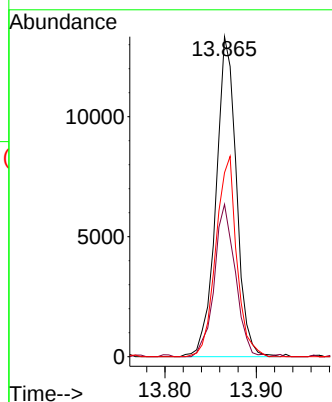
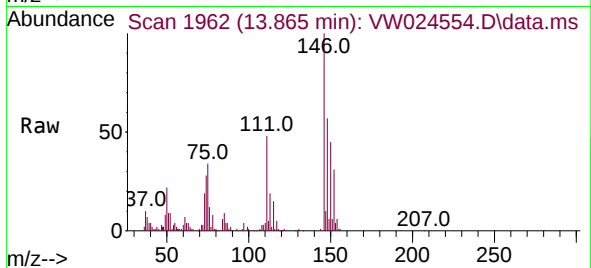
Tgt Ion:146 Resp: 20735

Ion Ratio Lower Upper

146 100

111 47.6 32.2 48.4

148 57.5 48.3 72.5



#68

1,2-Dibromo-3-chloropropane

Concen: 3.347 ug/L

RT: 14.475 min Scan# 2062

Delta R.T. -0.006 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

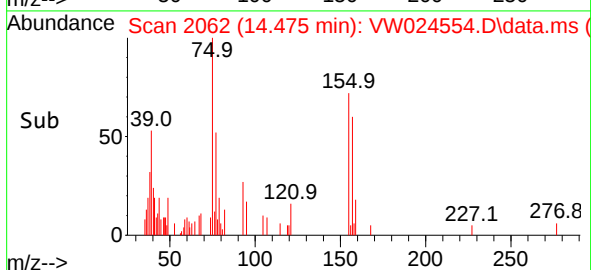
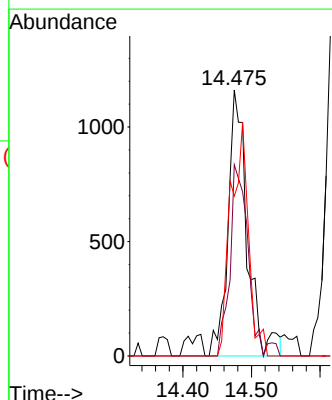
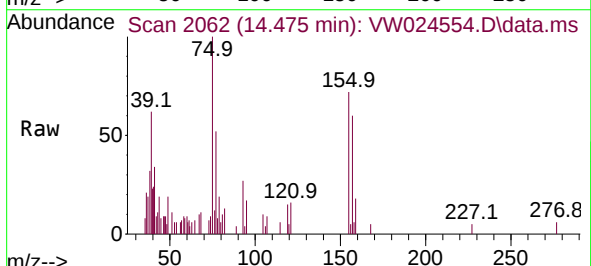
Tgt Ion: 75 Resp: 2404

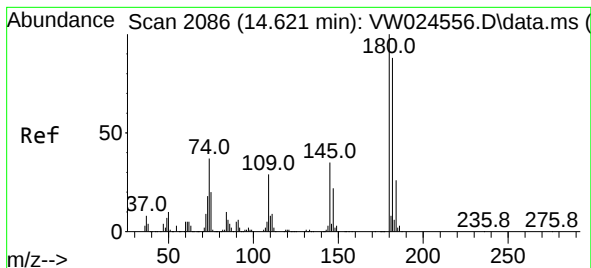
Ion Ratio Lower Upper

75 100

155 71.9 66.3 99.5

157 60.1 77.6 116.4#





#69

1,3,5-Trichlorobenzene

Concen: 2.534 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5431

Tgt Ion:180 Resp: 14737

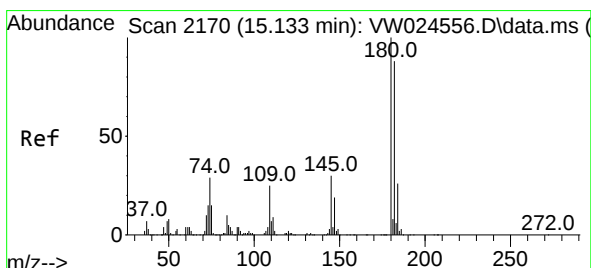
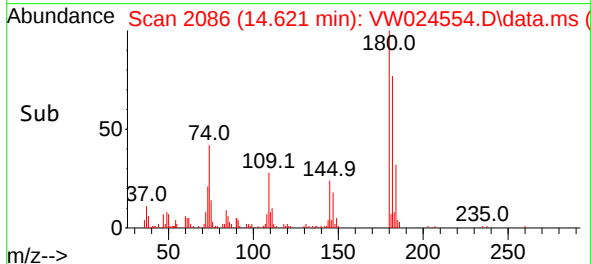
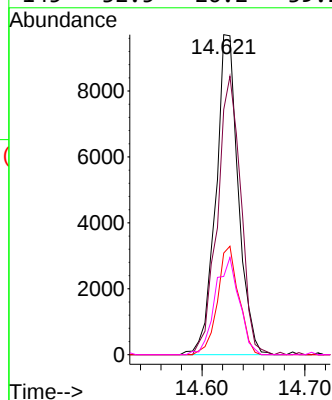
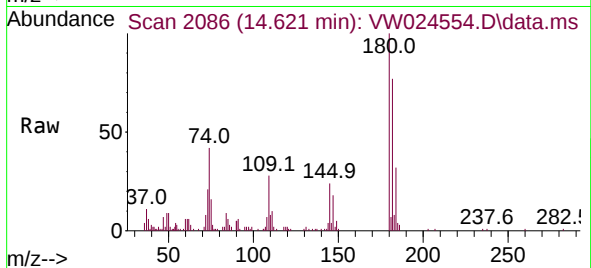
Ion Ratio Lower Upper

180 100

182 90.4 72.4 108.6

184 32.0 22.8 34.2

145 32.5 26.2 39.2



#70

1,2,4-trichlorobenzene

Concen: 2.436 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

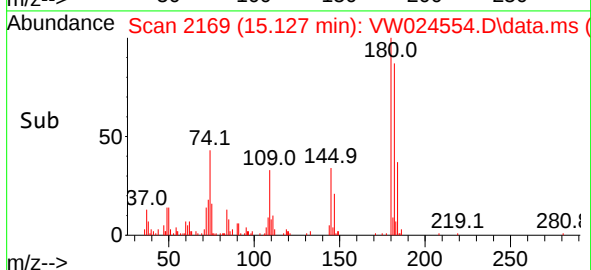
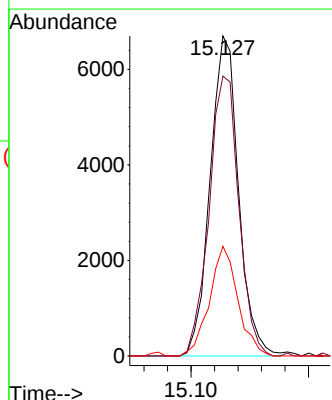
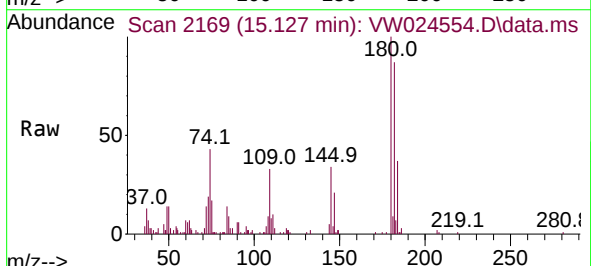
Tgt Ion:180 Resp: 11239

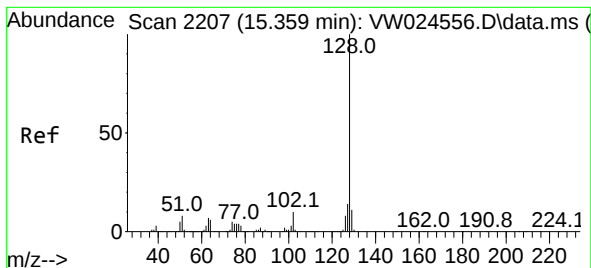
Ion Ratio Lower Upper

180 100

182 91.6 73.8 110.6

145 34.3 26.6 39.8





#71

Naphthalene

Concen: 2.101 ug/L

RT: 15.359 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5431

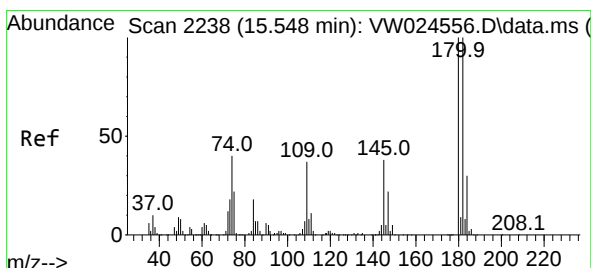
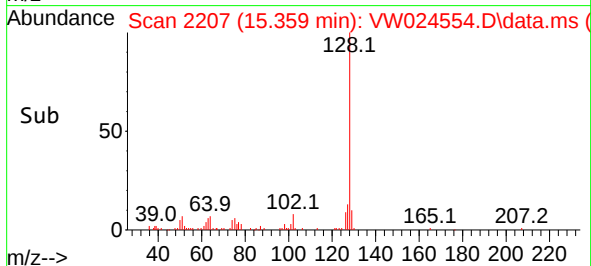
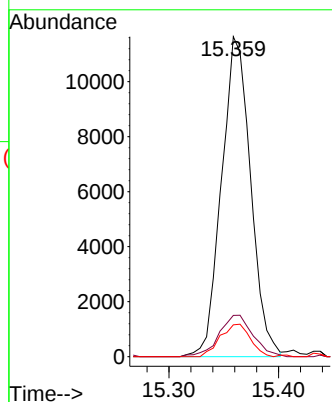
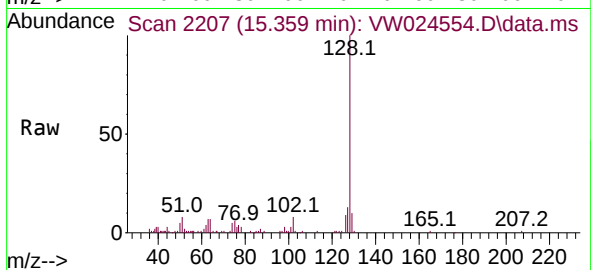
Tgt Ion:128 Resp: 21452

Ion Ratio Lower Upper

128 100

127 15.1 10.7 16.1

129 10.4 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 2.357 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.006 min

Lab File: VW024554.D

Acq: 06 Sep 2022 12:39

Tgt Ion:180 Resp: 10119

Ion Ratio Lower Upper

180 100

182 98.9 78.7 118.1

145 36.4 28.1 42.1

