

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021523\
 Data File : VW025332.D
 Acq On : 15 Feb 2023 11:34
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025538

Quant Time: Feb 15 22:00:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Feb 13 23:31:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	353883	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	309774	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	161552	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	66269	19.352	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.400%
7) Chloroethane-d5	2.899	69	64181	21.108	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.440%
11) 1,1-Dichloroethene-d2	4.027	63	202183	21.292	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.160%
21) 2-Butanone-d5	7.075	46	49649	55.849	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.700%
24) Chloroform-d	7.648	84	221492	23.880	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.520%
26) 1,2-Dichloroethane-d4	8.307	65	114401	25.321	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.280%
32) Benzene-d6	8.270	84	416244	22.170	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.680%
36) 1,2-Dichloropropane-d6	9.270	67	120749	21.981	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.920%
41) Toluene-d8	10.319	98	384237	22.895	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.560%
43) trans-1,3-Dichloroprop...	10.575	79	52971	25.806	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.240%
47) 2-Hexanone-d5	10.922	63	40221	65.303	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.600%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	98003	26.234	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.920%
66) 1,2-Dichlorobenzene-d4	13.849	152	125622	22.412	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	85317	17.817	ug/L	93
3) Chloromethane	2.229	50	102551	22.311	ug/L	97
5) Vinyl chloride	2.375	62	110718	23.651	ug/L	96
6) Bromomethane	2.790	94	75673	23.609	ug/L	97
8) Chloroethane	2.930	64	75163	25.720	ug/L	100
9) Trichlorofluoromethane	3.265	101	147831	21.955	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	123257	25.244	ug/L	96
12) 1,1-Dichloroethene	4.045	96	116137	23.962	ug/L	94
13) Acetone	4.125	43	48304	49.279	ug/L	97
14) Carbon disulfide	4.387	76	350266	22.114	ug/L	100
15) Methyl Acetate	4.667	43	45860	27.342	ug/L	99
16) Methylene chloride	4.917	84	129263	21.457	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	124589	23.936	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	187862	25.106	ug/L	100
19) 1,1-Dichloroethane	6.216	63	236309	25.496	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	139069	25.446	ug/L	96
22) 2-Butanone	7.173	43	61453	51.554	ug/L	100
23) Bromochloromethane	7.514	128	57664	25.615	ug/L	95
25) Chloroform	7.673	83	246401	25.845	ug/L	99

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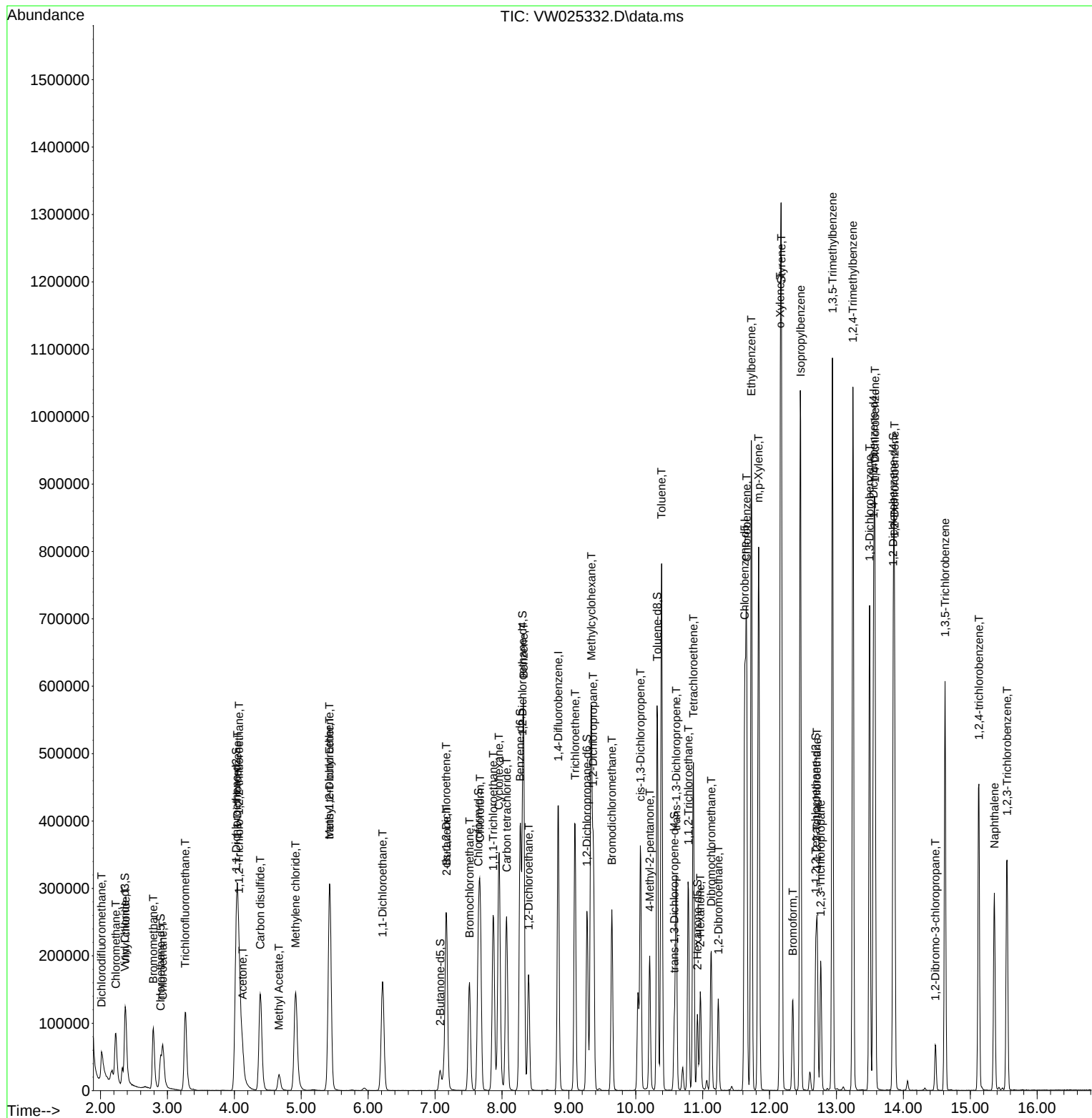
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	160888	27.708	ug/L	99
29) Cyclohexane	7.953	56	205077	22.988	ug/L	98
30) 1,1,1-Trichloroethane	7.868	97	216866	24.681	ug/L	98
31) Carbon tetrachloride	8.069	117	207678	25.554	ug/L	98
33) Benzene	8.325	78	524161	24.451	ug/L	100
34) Trichloroethene	9.093	95	141885	23.629	ug/L	99
35) Methylcyclohexane	9.337	83	243728	22.740	ug/L	100
37) 1,2-Dichloropropane	9.362	63	128495	24.303	ug/L	100
38) Bromodichloromethane	9.642	83	175899	25.020	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	216657	25.027	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	123893	53.072	ug/L	99
42) Toluene	10.386	91	567738	26.632	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	180390	29.233	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	95629	28.699	ug/L	97
46) Tetrachloroethene	10.861	164	104650	27.271	ug/L	95
48) 2-Hexanone	10.965	43	88128	59.798	ug/L	100
49) Dibromochloromethane	11.129	129	112361	29.855	ug/L	96
50) 1,2-Dibromoethane	11.233	107	89944	29.466	ug/L	98
51) Chlorobenzene	11.654	112	364374	25.972	ug/L	96
52) Ethylbenzene	11.727	91	664375	26.011	ug/L	97
53) m,p-Xylene	11.837	106	255562	26.401	ug/L	99
54) o-Xylene	12.160	106	238455	24.470	ug/L	98
55) Styrene	12.178	104	412402	24.995	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	107787	27.148	ug/L	100
59) Bromoform	12.349	173	61904	27.008	ug/L	99
60) Isopropylbenzene	12.465	105	655881	23.973	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	79795	27.780	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	569978	25.841	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	561849	25.422	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	281456	24.830	ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	279121	24.954	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	246766	25.262	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.476	75	18332	27.326	ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	167150	22.675	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	139287	23.205	ug/L	95
71) Naphthalene	15.360	128	246694	22.483	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	109178	21.184	ug/L	99

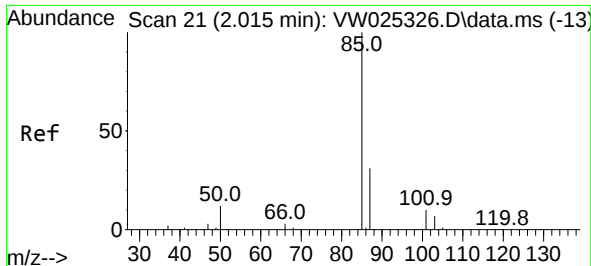
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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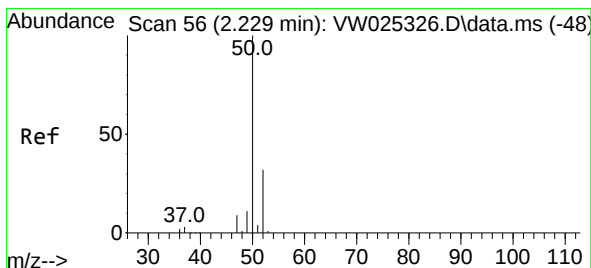
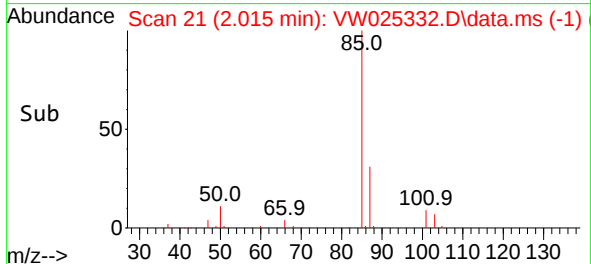
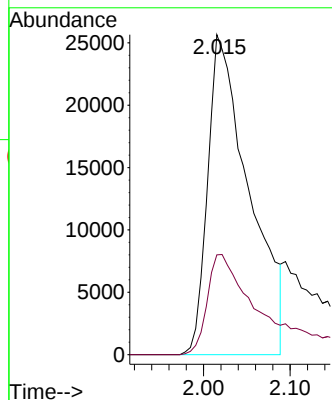
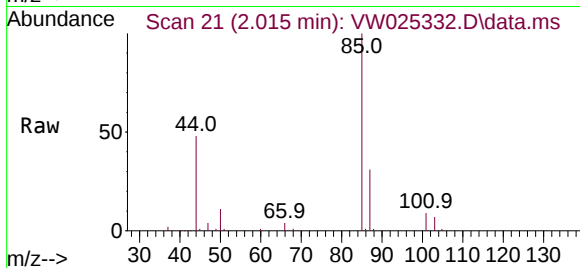




#2
Dichlorodifluoromethane
Concen: 17.817 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

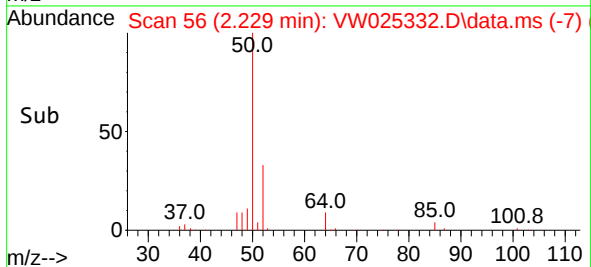
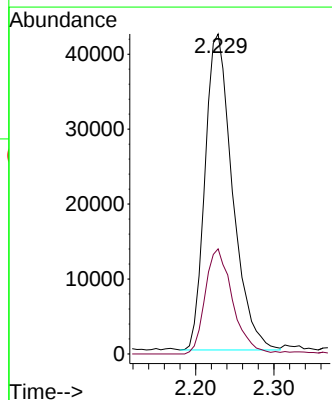
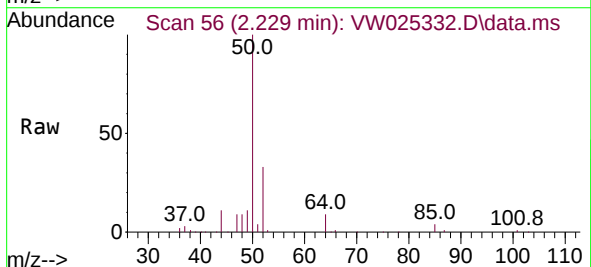
Instrument :
MSVOA_W
ClientSampleId :
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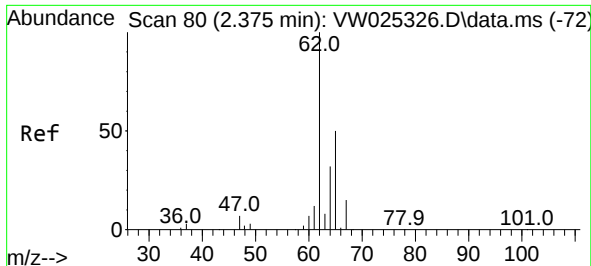
Tgt Ion: 85 Resp: 85317
Ion Ratio Lower Upper
85 100
87 32.7 23.3 34.9



#3
Chloromethane
Concen: 22.311 ug/L
RT: 2.229 min Scan# 56
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 50 Resp: 102551
Ion Ratio Lower Upper
50 100
52 32.9 22.0 40.8

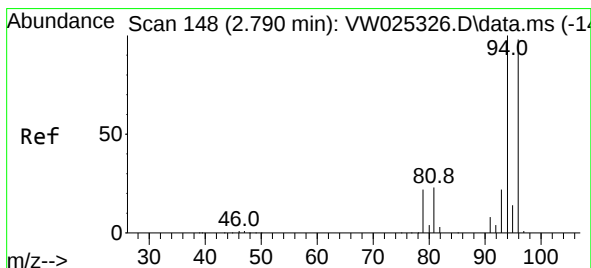
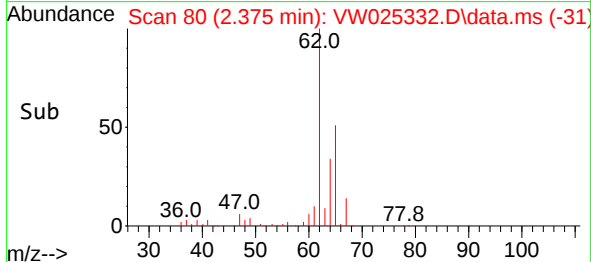
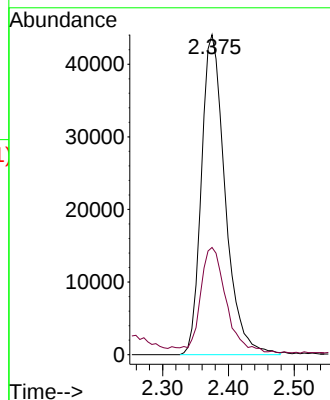
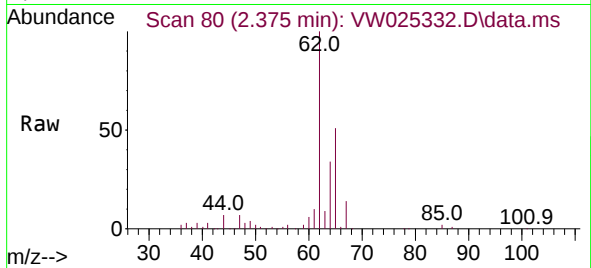




#5
 Vinyl chloride
 Concen: 23.651 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW025332.D
 Acq: 15 Feb 2023 11:34

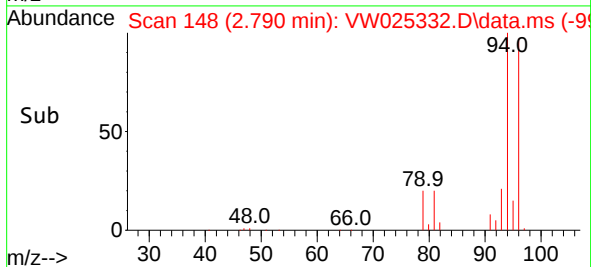
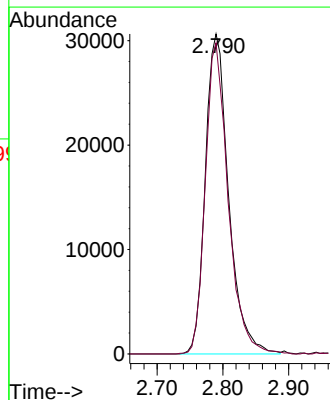
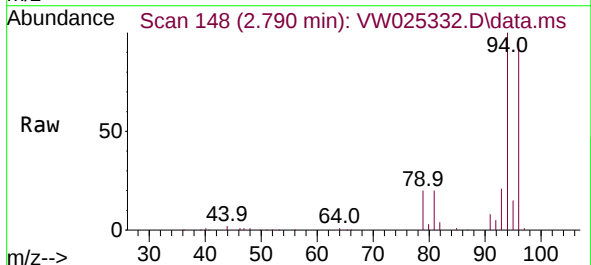
Instrument :
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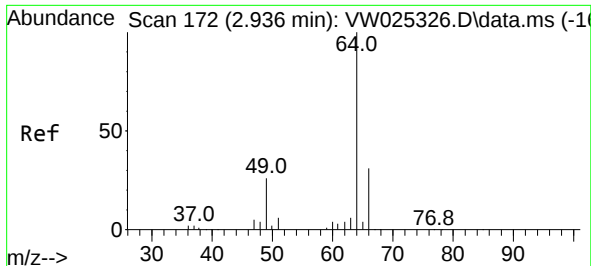
Tgt Ion: 62 Resp: 110718
 Ion Ratio Lower Upper
 62 100
 64 33.5 21.8 40.6



#6
 Bromomethane
 Concen: 23.609 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW025332.D
 Acq: 15 Feb 2023 11:34

Tgt Ion: 94 Resp: 75673
 Ion Ratio Lower Upper
 94 100
 96 97.2 66.3 123.1

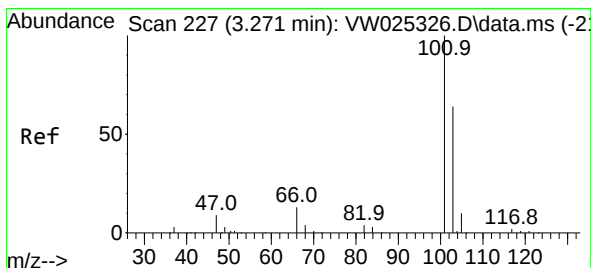
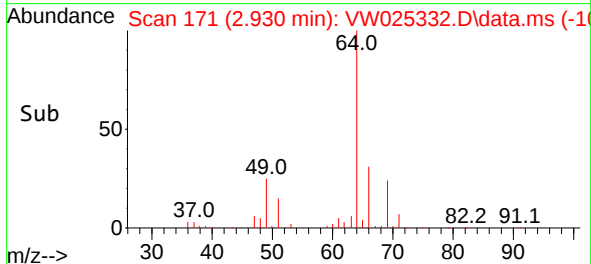
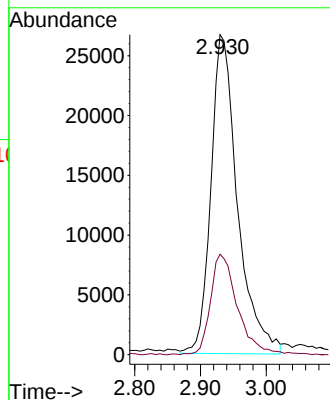
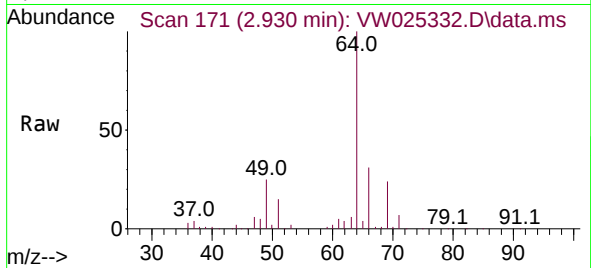




#8
Chloroethane
Concen: 25.720 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

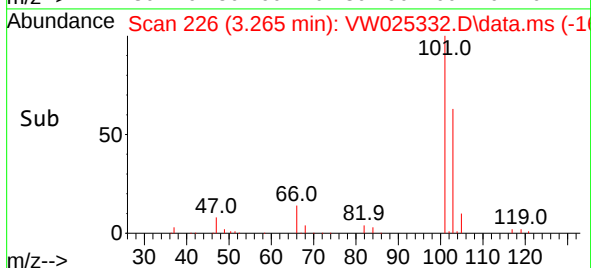
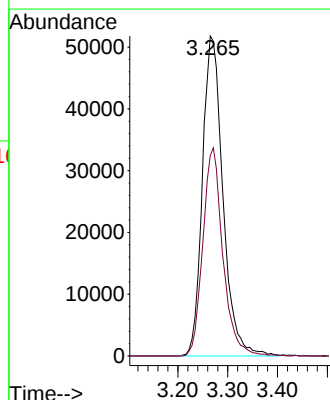
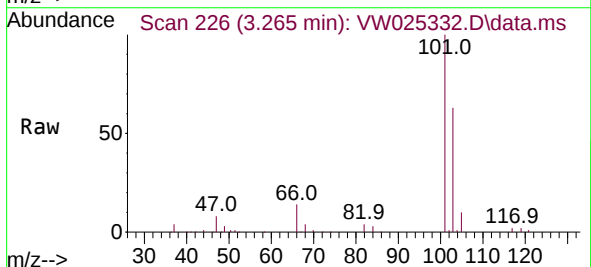
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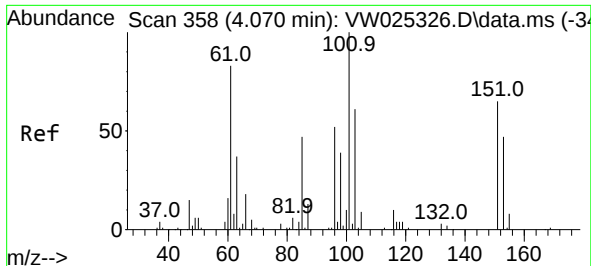
Tgt Ion: 64 Resp: 75163
Ion Ratio Lower Upper
64 100
66 31.4 21.9 40.7



#9
Trichlorofluoromethane
Concen: 21.955 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion:101 Resp: 147831
Ion Ratio Lower Upper
101 100
103 63.3 52.4 78.6

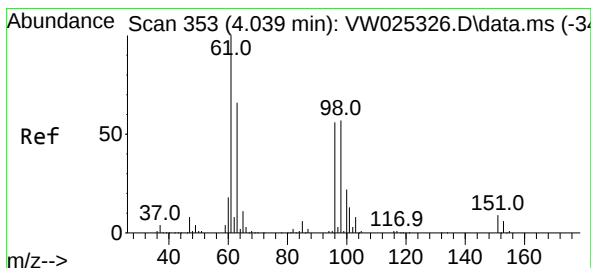
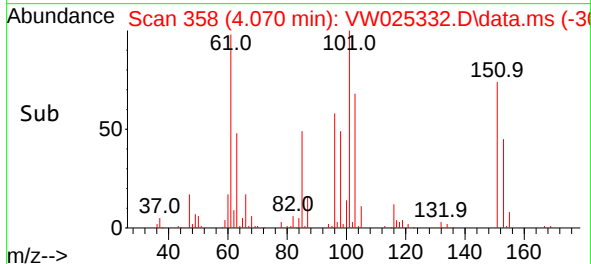
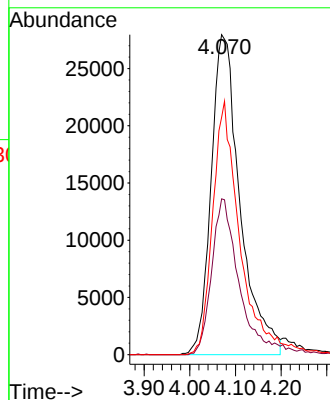
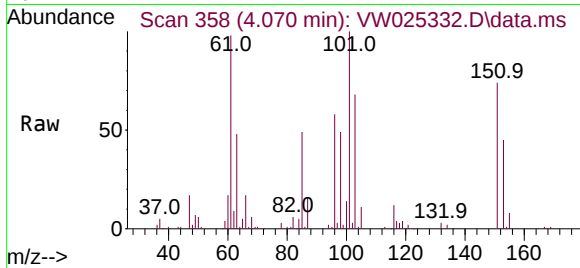




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.244 ug/L
 RT: 4.070 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VW025332.D
 Acq: 15 Feb 2023 11:34

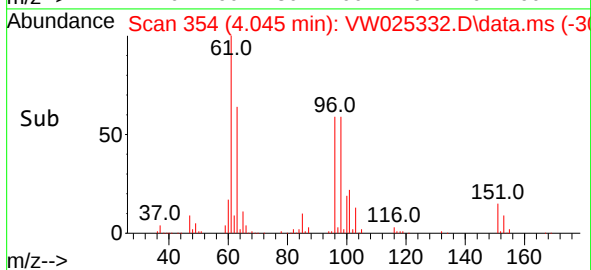
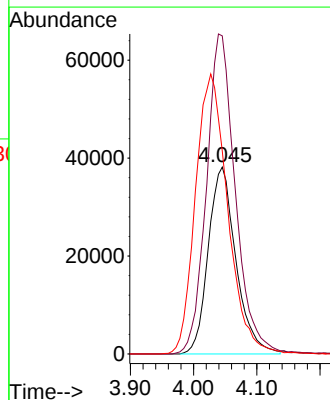
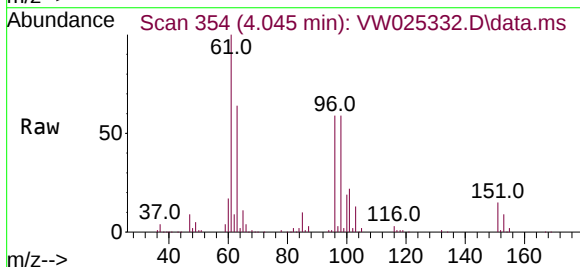
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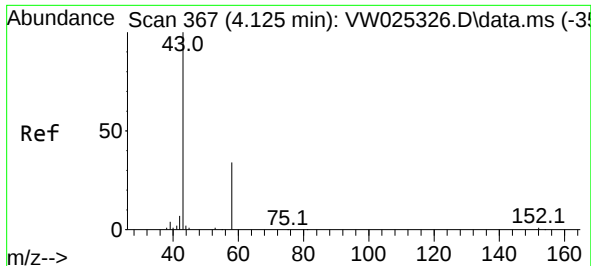
Tgt Ion:101 Resp: 123257
 Ion Ratio Lower Upper
 101 100
 85 44.1 32.8 49.2
 151 71.8 54.7 82.1



#12
 1,1-Dichloroethene
 Concen: 23.962 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW025332.D
 Acq: 15 Feb 2023 11:34

Tgt Ion: 96 Resp: 116137
 Ion Ratio Lower Upper
 96 100
 61 170.2 120.8 224.4
 63 108.5 85.7 159.1

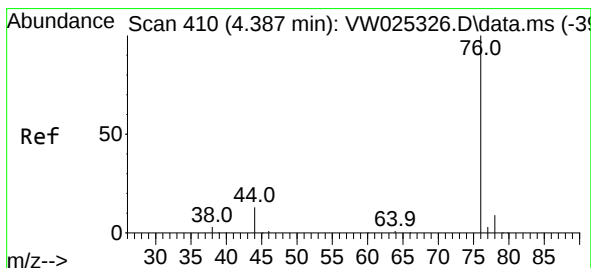
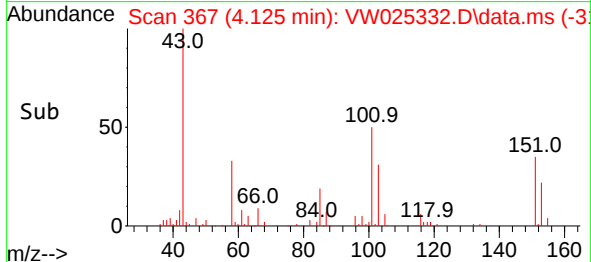
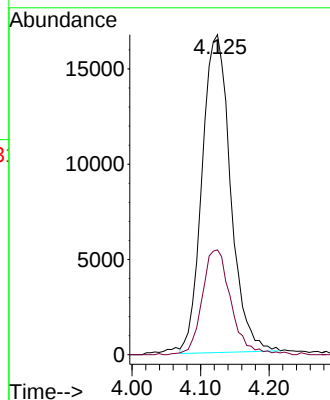
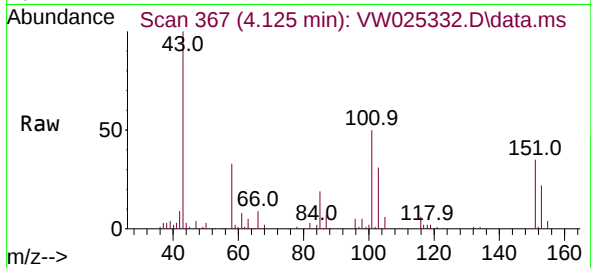




#13
Acetone
Concen: 49.279 ug/L
RT: 4.125 min Scan# 30
Delta R.T. -0.000 min
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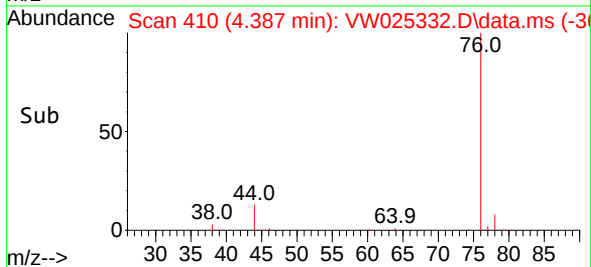
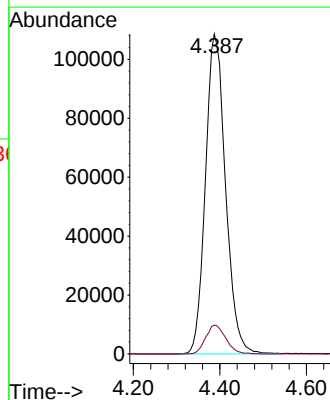
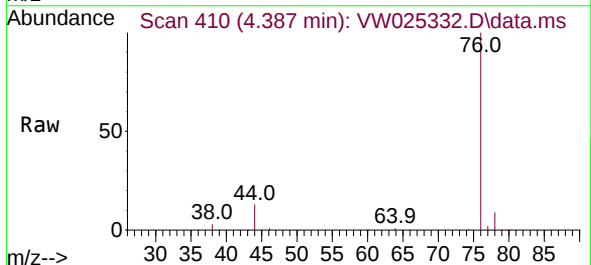
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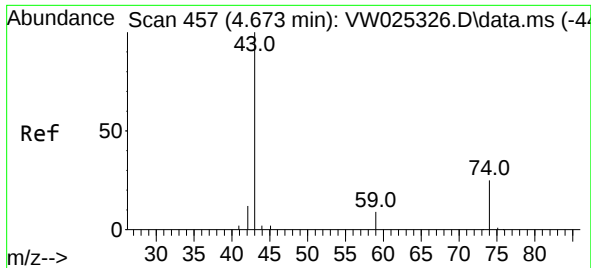
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Ion Ratio Lower Upper
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58 33.3 0.0 63.0



#14
Carbon disulfide
Concen: 22.114 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 76 Resp: 350266
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

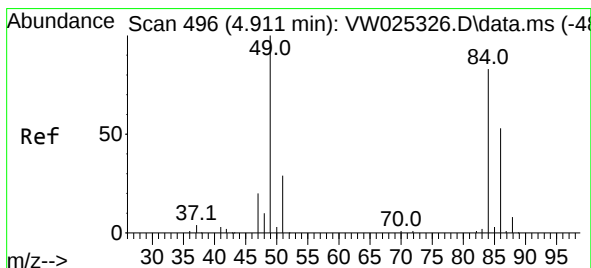
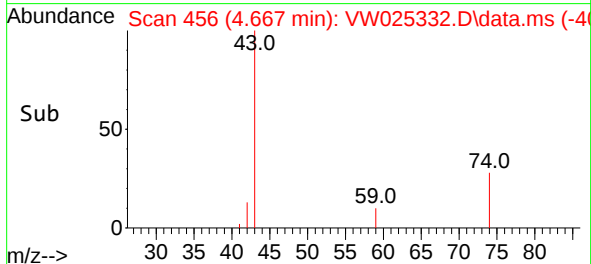
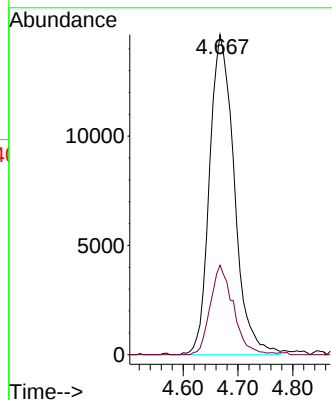
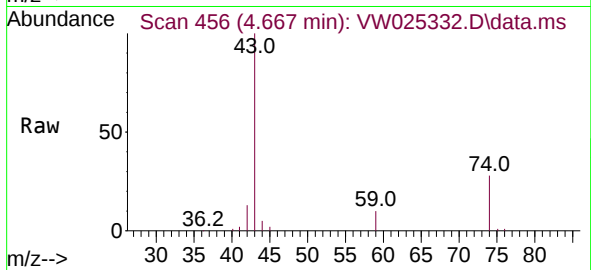




#15
Methyl Acetate
Concen: 27.342 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

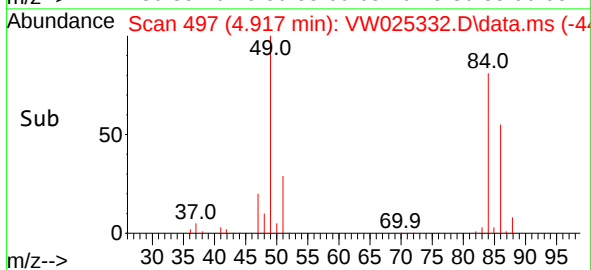
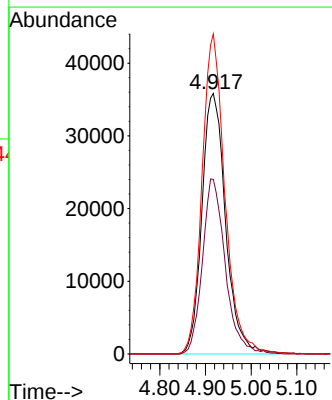
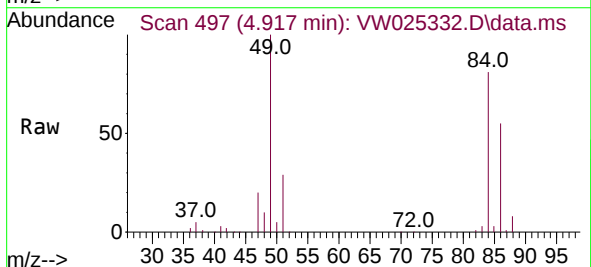
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

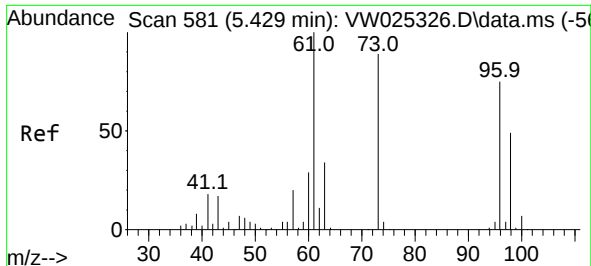
Tgt Ion: 43 Resp: 45860
Ion Ratio Lower Upper
43 100
74 25.9 20.2 30.2



#16
Methylene chloride
Concen: 21.457 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 84 Resp: 129263
Ion Ratio Lower Upper
84 100
86 67.0 47.2 87.6
49 122.8 86.5 160.7

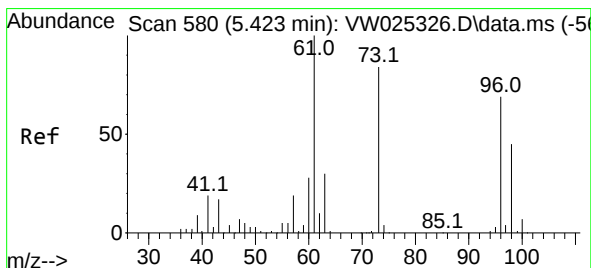
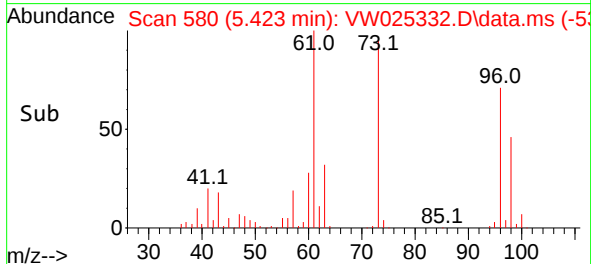
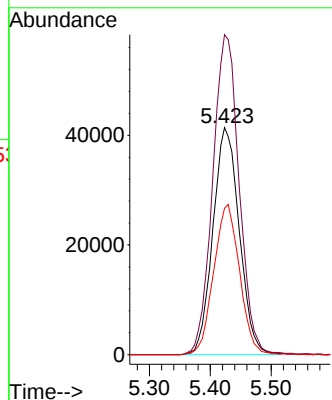
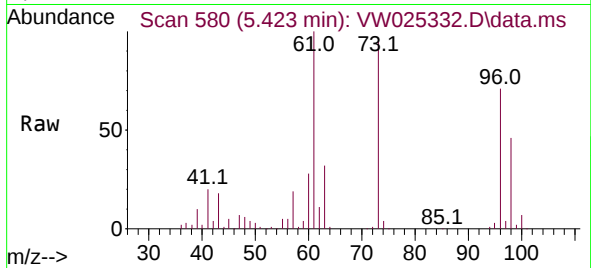




#17
trans-1,2-Dichloroethene
Concen: 23.936 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

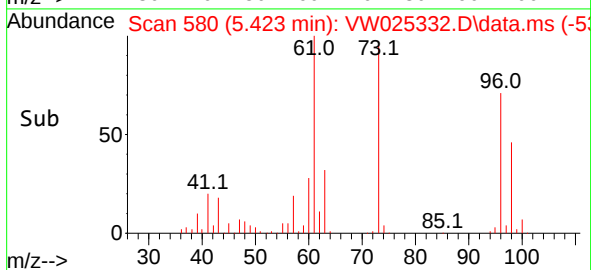
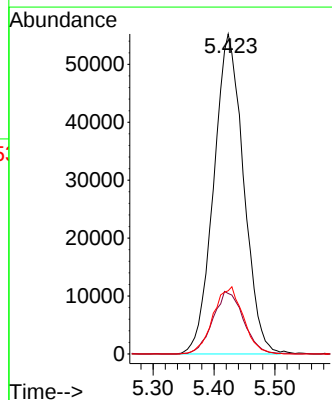
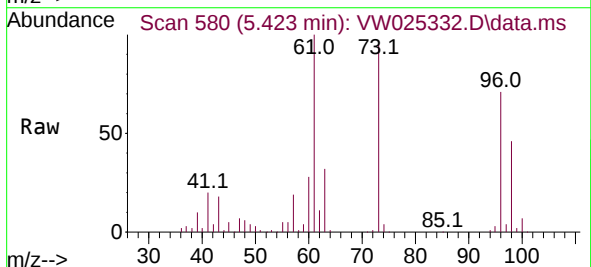
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

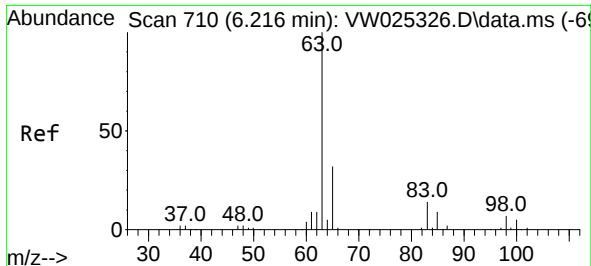
Tgt Ion: 96 Resp: 124589
Ion Ratio Lower Upper
96 100
61 141.0 98.4 182.8
98 64.5 43.5 80.9



#18
Methyl tert-butyl Ether
Concen: 25.106 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 73 Resp: 187862
Ion Ratio Lower Upper
73 100
43 19.9 15.8 23.6
57 21.1 17.0 25.4





#19

1,1-Dichloroethane

Concen: 25.496 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025538

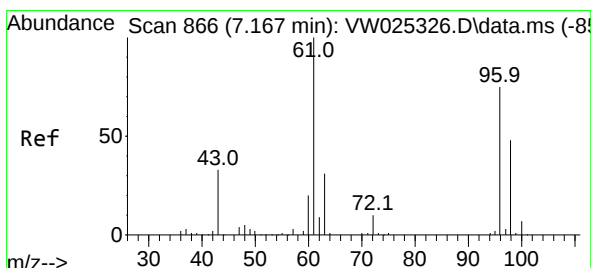
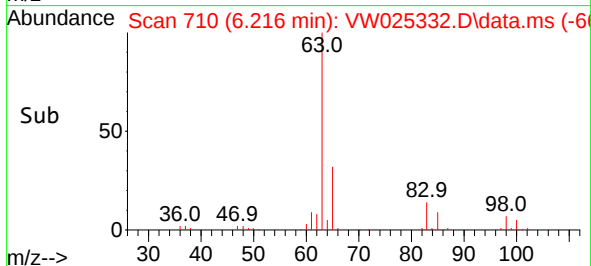
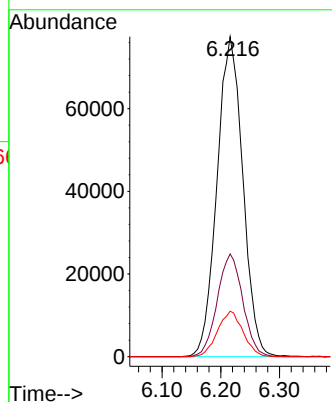
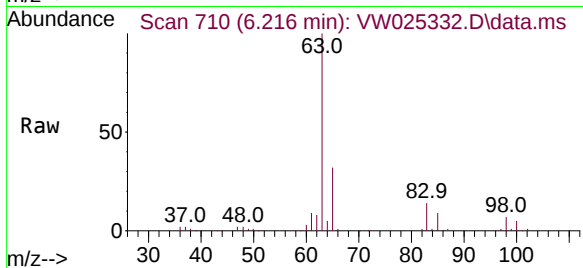
Tgt Ion: 63 Resp: 236309

Ion Ratio Lower Upper

63 100

65 32.1 22.0 41.0

83 14.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 25.446 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

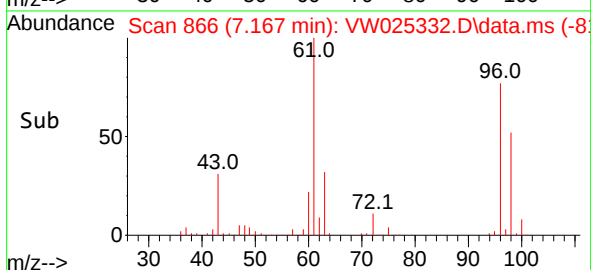
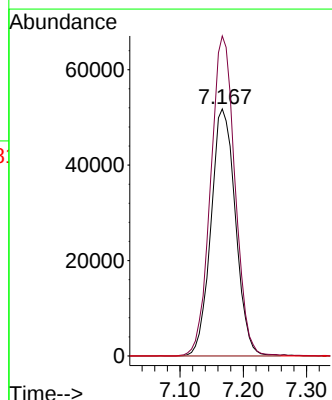
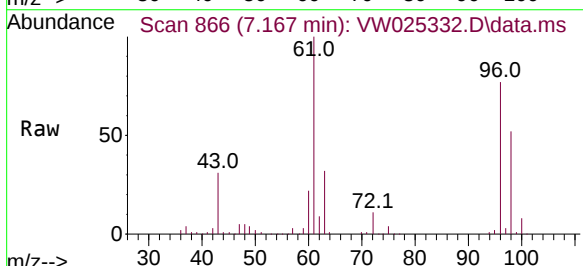
Tgt Ion: 96 Resp: 139069

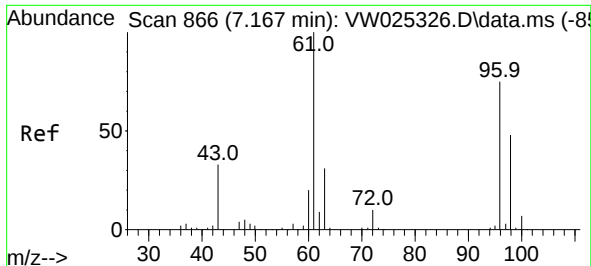
Ion Ratio Lower Upper

96 100

61 129.5 87.2 162.0

68 0.0 0.0 0.0

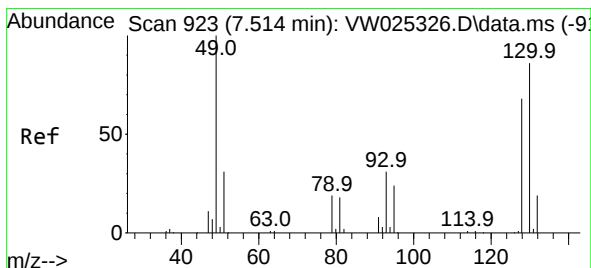
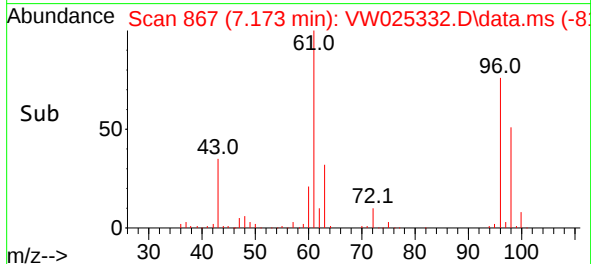
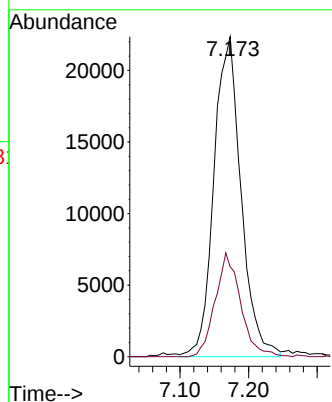
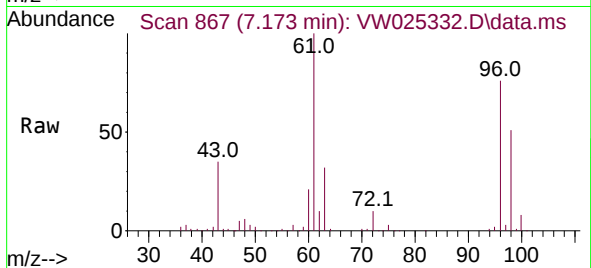




#22
2-Butanone
Concen: 51.554 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

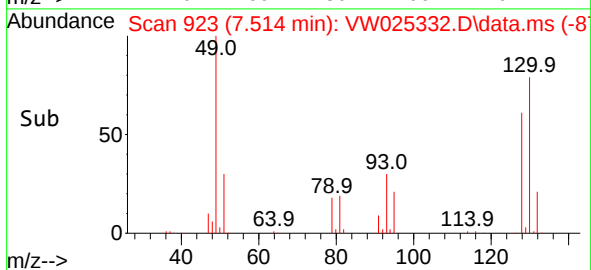
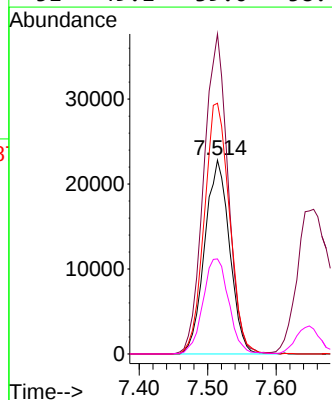
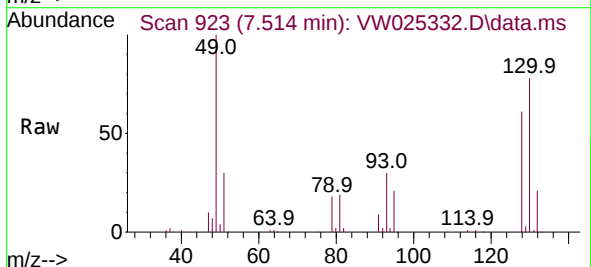
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

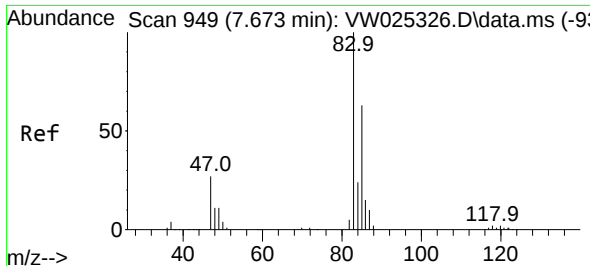
Tgt Ion: 43 Resp: 61453
Ion Ratio Lower Upper
43 100
72 30.4 15.2 45.6



#23
Bromochloromethane
Concen: 25.615 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 128 Resp: 57664
Ion Ratio Lower Upper
128 100
49 165.1 109.0 202.4
130 129.4 93.3 173.3
51 49.1 39.0 58.4

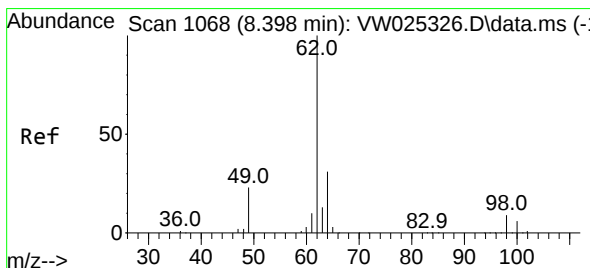
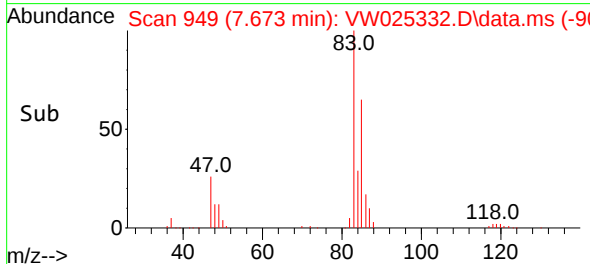
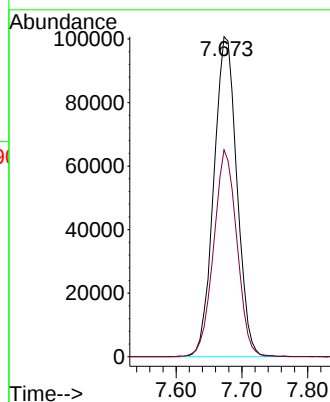
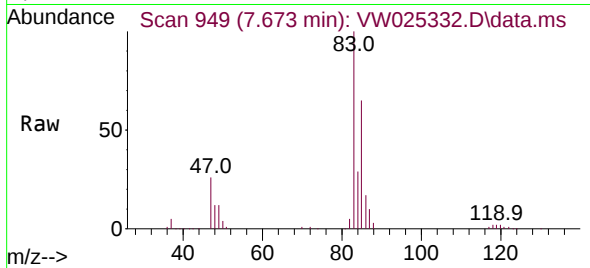




#25
Chloroform
Concen: 25.845 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

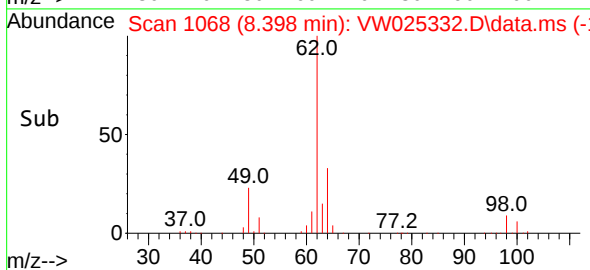
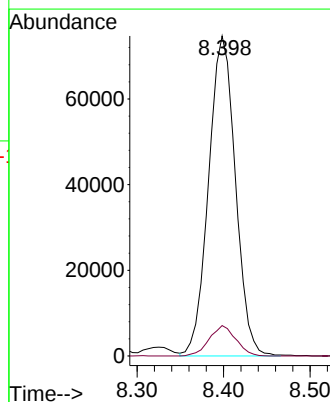
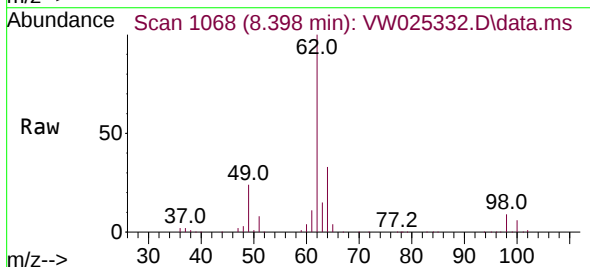
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

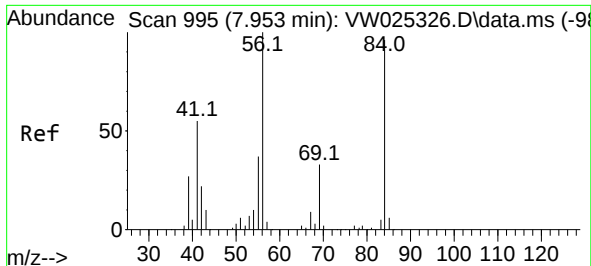
Tgt Ion: 83 Resp: 246401
Ion Ratio Lower Upper
83 100
85 64.6 45.8 85.0



#27
1,2-Dichloroethane
Concen: 27.708 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 62 Resp: 160888
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.0





#29

Cyclohexane

Concen: 22.988 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025538

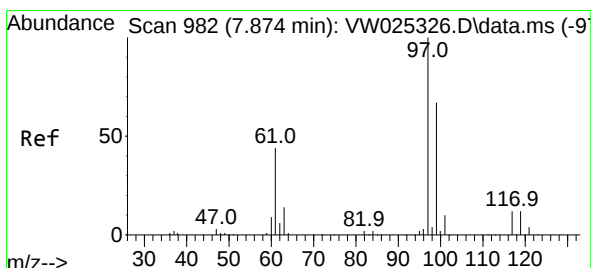
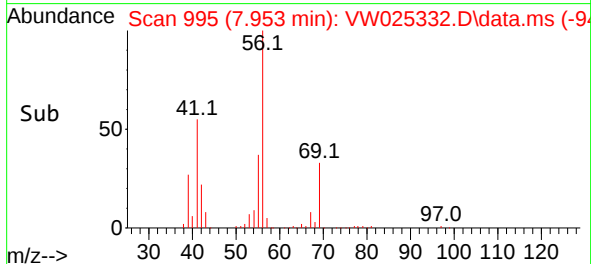
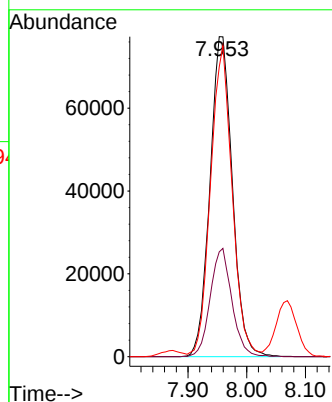
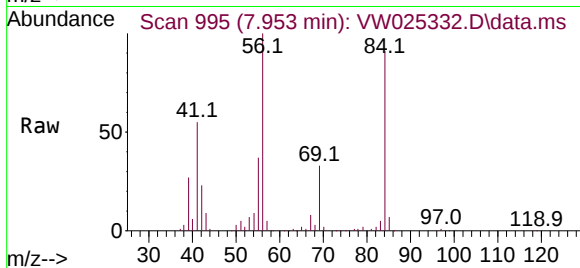
Tgt Ion: 56 Resp: 205077

Ion Ratio Lower Upper

56 100

69 32.4 25.1 37.7

84 93.5 73.2 109.8



#30

1,1,1-Trichloroethane

Concen: 24.681 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

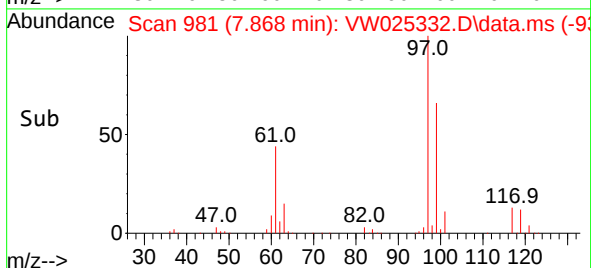
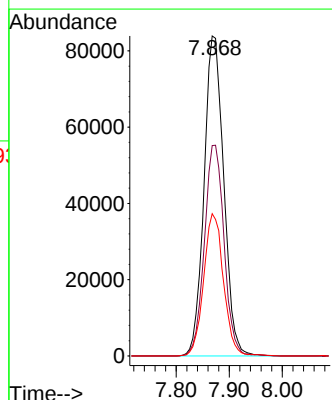
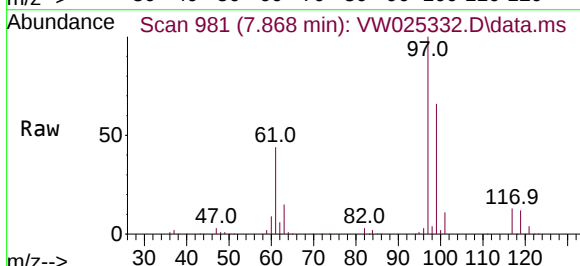
Tgt Ion: 97 Resp: 216866

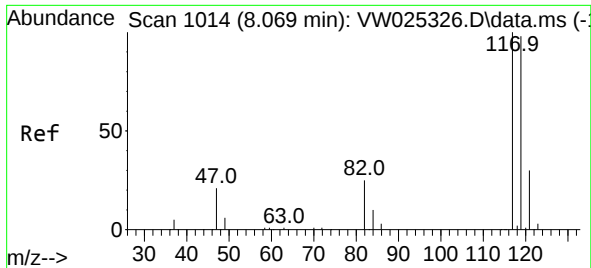
Ion Ratio Lower Upper

97 100

99 65.6 51.2 76.8

61 44.6 35.0 52.6

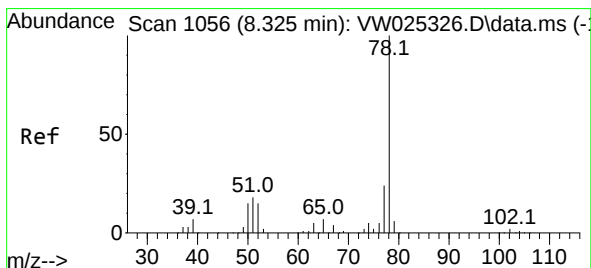
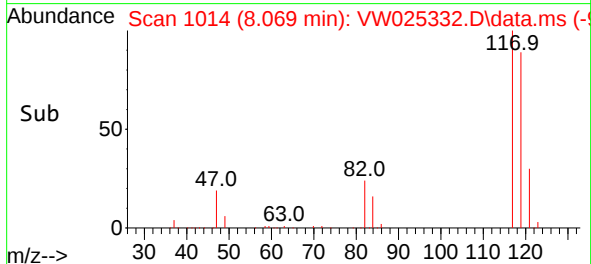
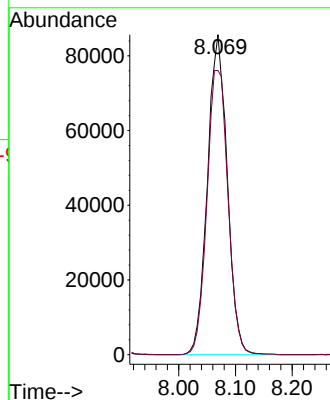
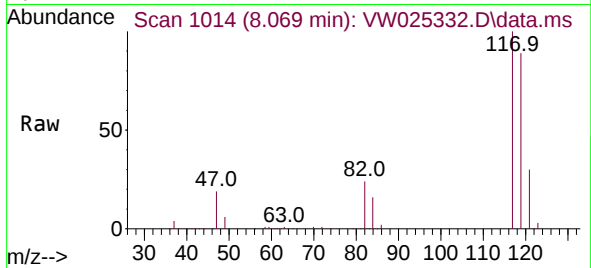




#31
Carbon tetrachloride
Concen: 25.554 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

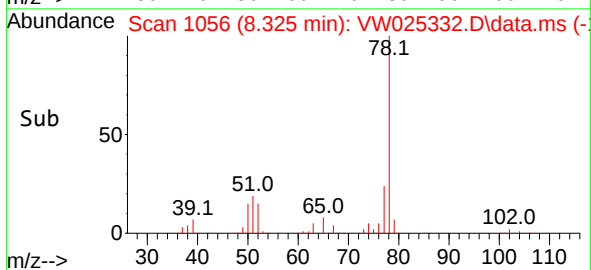
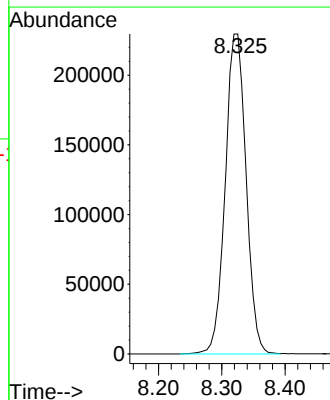
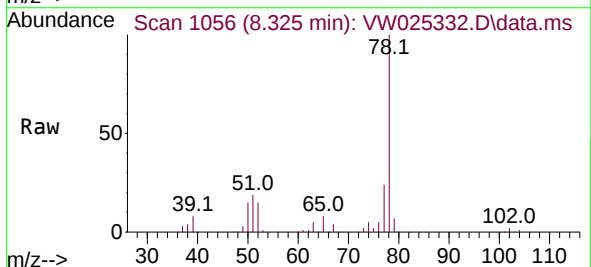
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

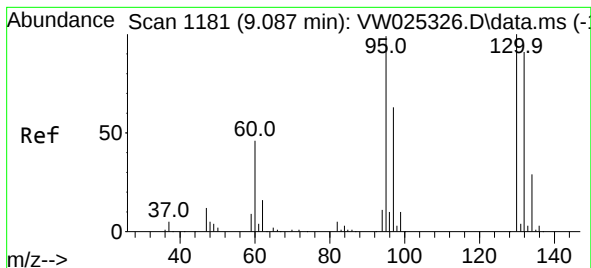
Tgt Ion:117 Resp: 207678
Ion Ratio Lower Upper
117 100
119 94.7 77.6 116.4



#33
Benzene
Concen: 24.451 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 78 Resp: 524161





#34

Trichloroethene

Concen: 23.629 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025538

Tgt Ion: 95 Resp: 141885

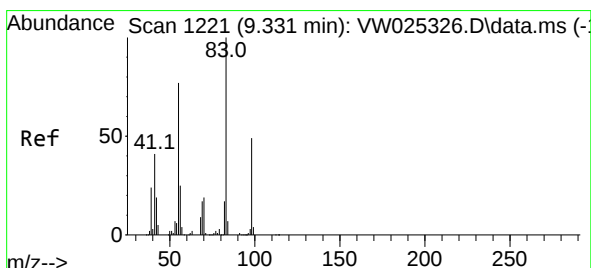
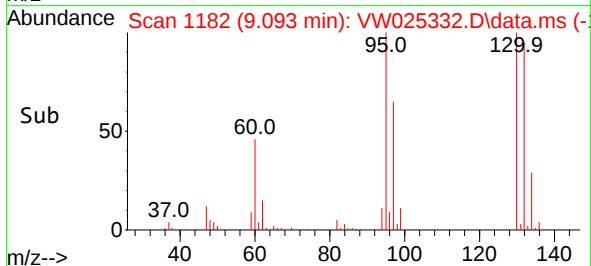
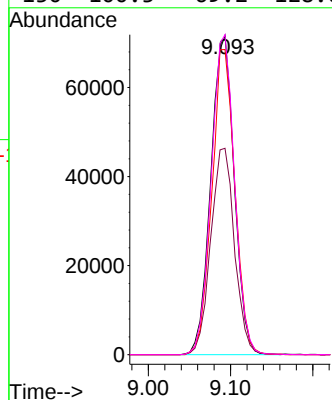
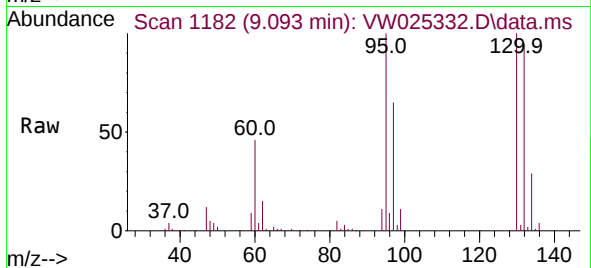
Ion Ratio Lower Upper

95 100

97 64.7 45.4 84.2

132 95.6 67.1 124.5

130 100.3 69.2 128.6



#35

Methylcyclohexane

Concen: 22.740 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

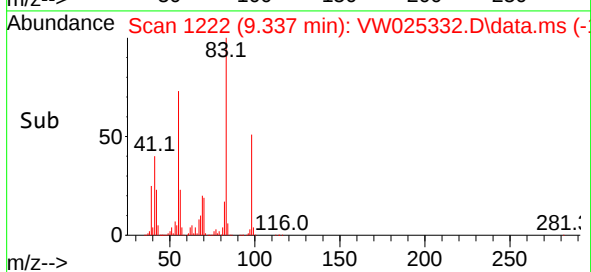
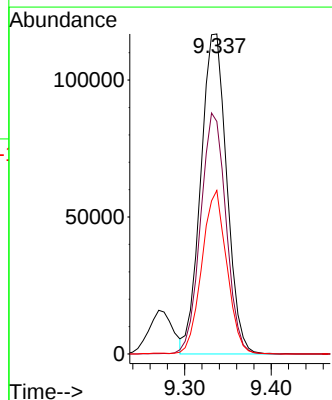
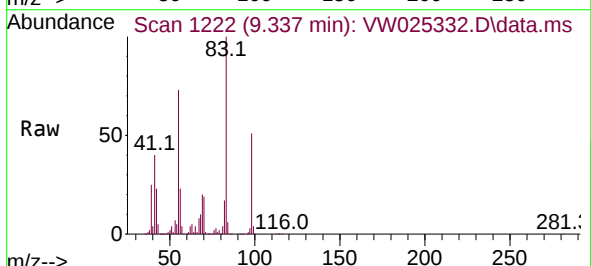
Tgt Ion: 83 Resp: 243728

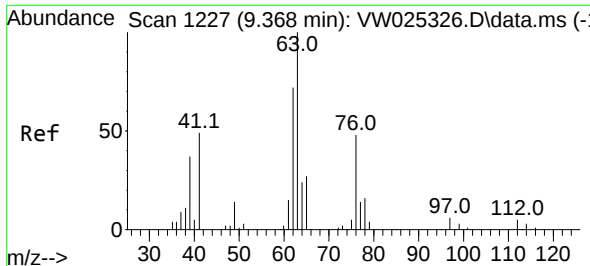
Ion Ratio Lower Upper

83 100

55 73.6 58.8 88.2

98 49.1 39.5 59.3

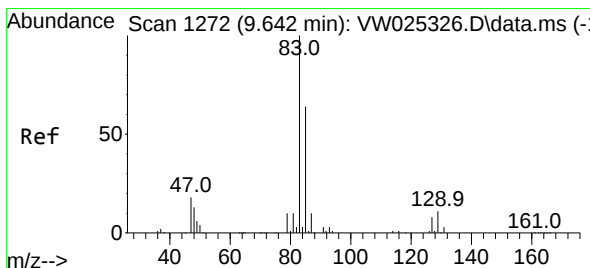
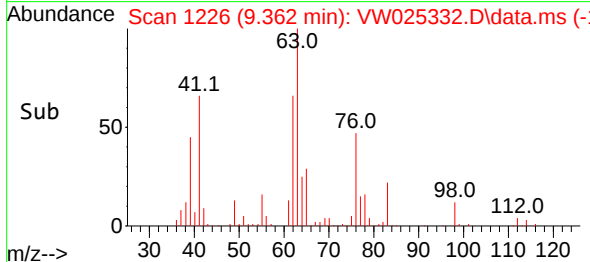
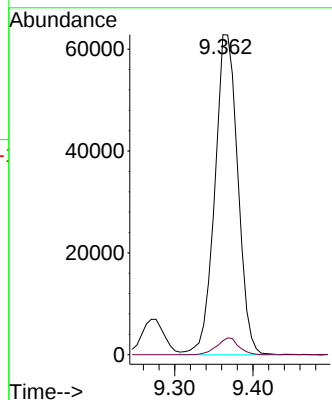
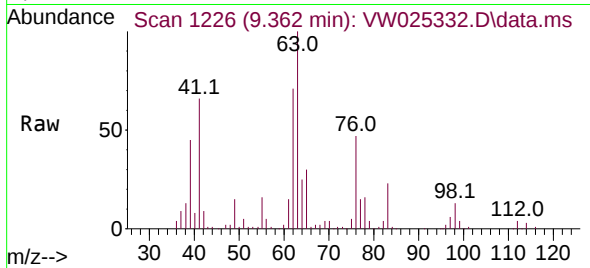




#37
1,2-Dichloropropane
Concen: 24.303 ug/L
RT: 9.362 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

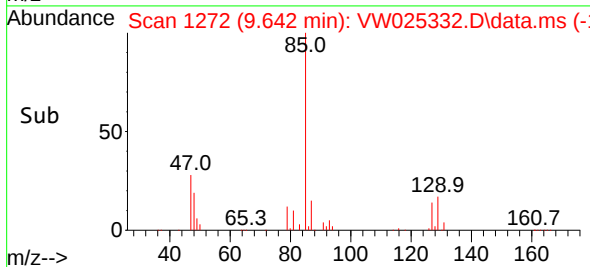
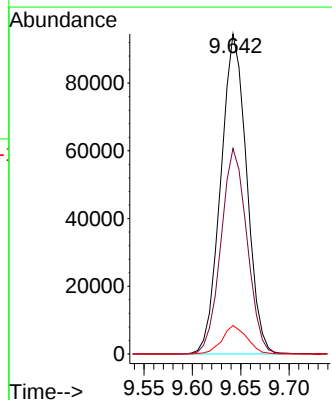
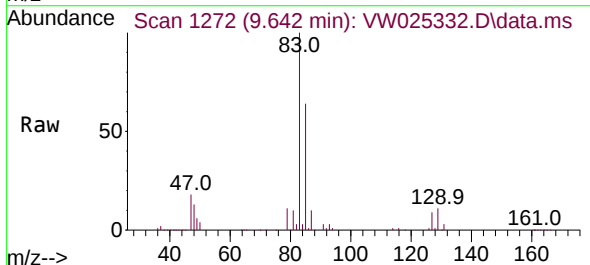
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

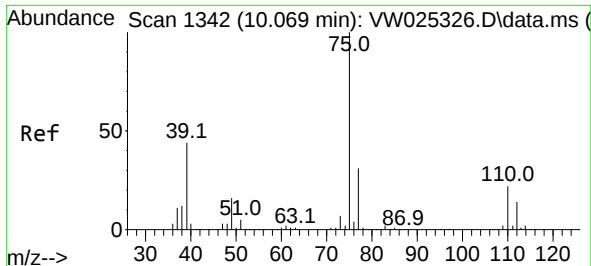
Tgt Ion: 63 Resp: 128495
Ion Ratio Lower Upper
63 100
112 4.9 3.8 5.8



#38
Bromodichloromethane
Concen: 25.020 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 83 Resp: 175899
Ion Ratio Lower Upper
83 100
85 64.2 44.4 82.4
127 8.9 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 25.027 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

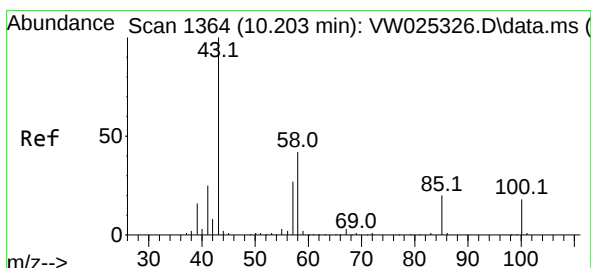
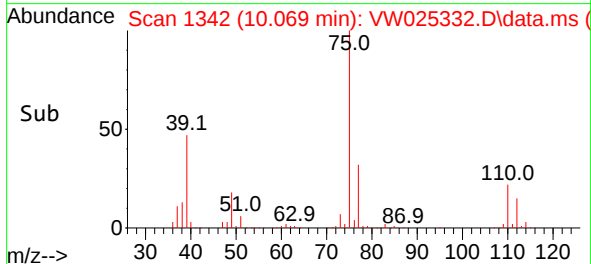
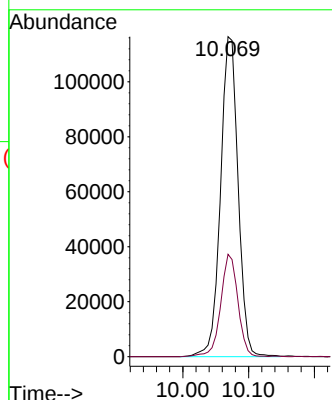
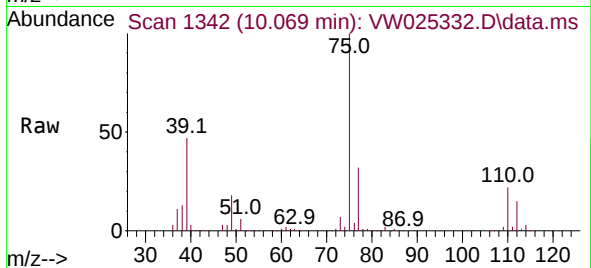
VSTD025538

Tgt Ion: 75 Resp: 216657

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 53.072 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.006 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

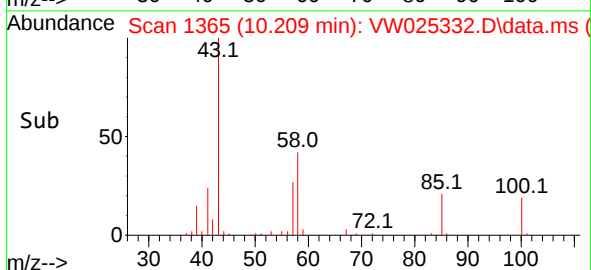
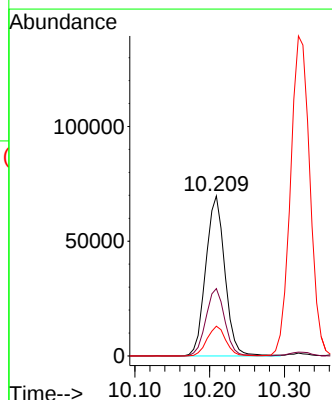
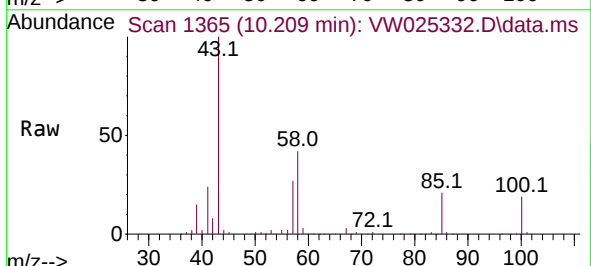
Tgt Ion: 43 Resp: 123893

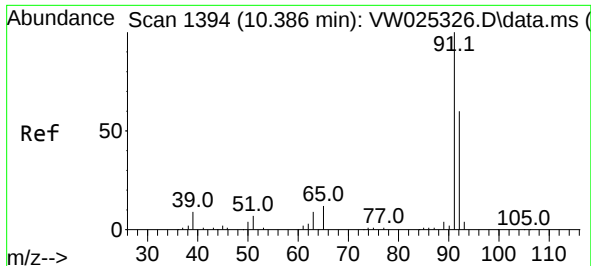
Ion Ratio Lower Upper

43 100

58 41.7 34.1 51.1

100 18.2 14.5 21.7

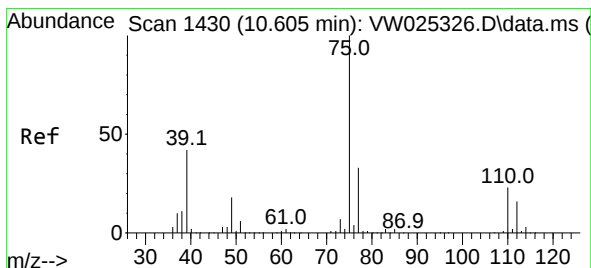
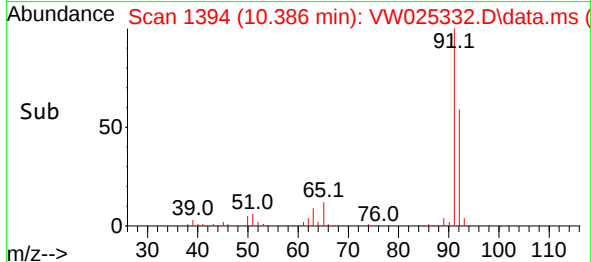
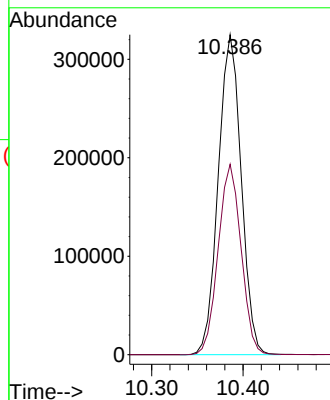
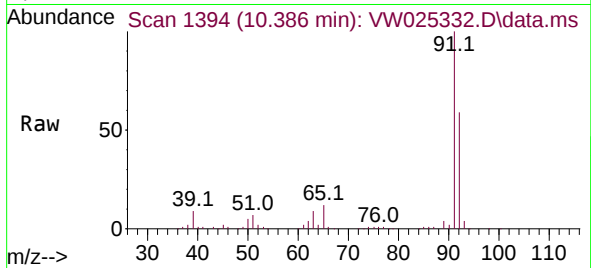




#42
Toluene
Concen: 26.632 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

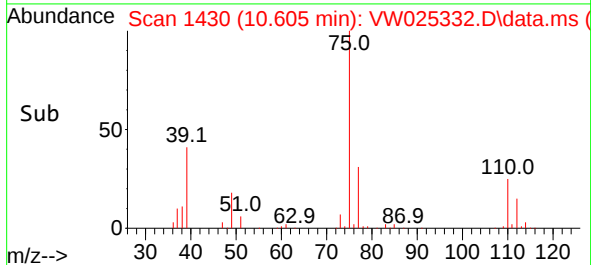
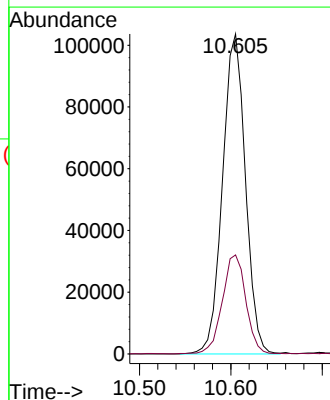
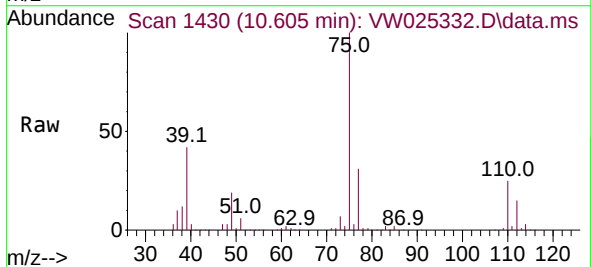
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

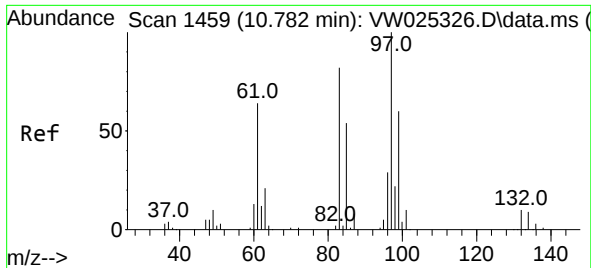
Tgt Ion: 91 Resp: 567738
Ion Ratio Lower Upper
91 100
92 59.5 41.9 77.7



#44
trans-1,3-Dichloropropene
Concen: 29.233 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 75 Resp: 180390
Ion Ratio Lower Upper
75 100
77 31.0 21.7 40.3



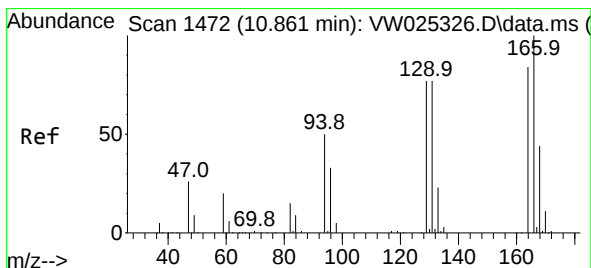
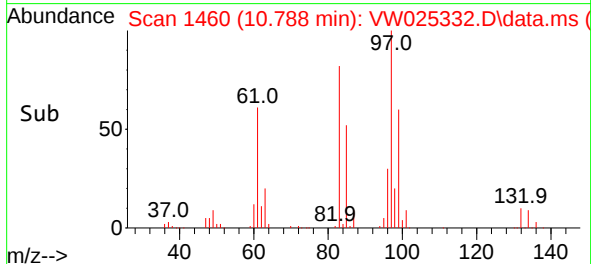
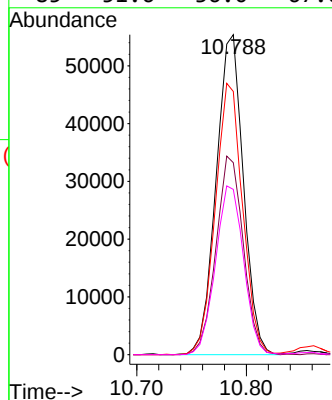
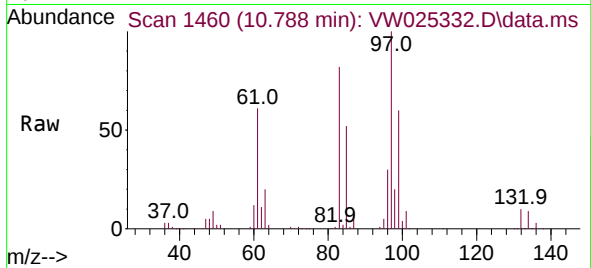


#45
1,1,2-Trichloroethane
Concen: 28.699 ug/L
RT: 10.788 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

Tgt Ion: 97 Resp: 95629

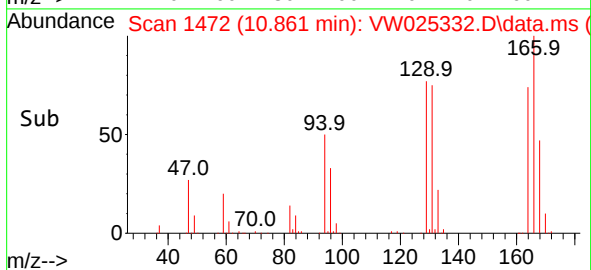
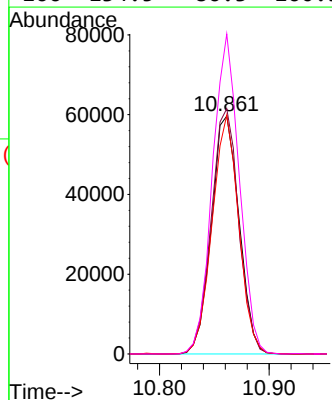
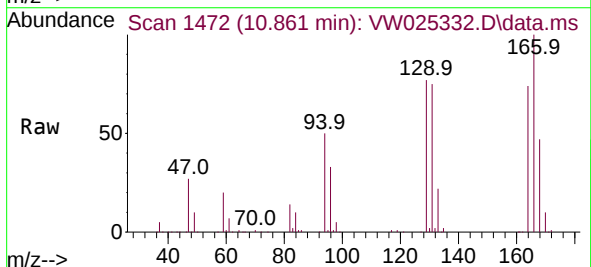
Ion	Ratio	Lower	Upper
97	100		
99	60.0	41.4	76.8
83	82.2	54.0	100.4
85	51.6	36.0	67.0

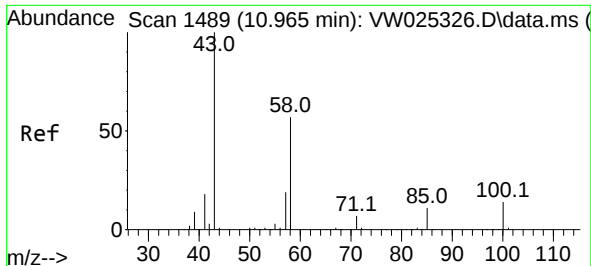


#46
Tetrachloroethene
Concen: 27.271 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 164 Resp: 104650

Ion	Ratio	Lower	Upper
164	100		
129	103.1	74.1	137.5
131	100.4	72.3	134.3
166	134.5	86.3	160.3

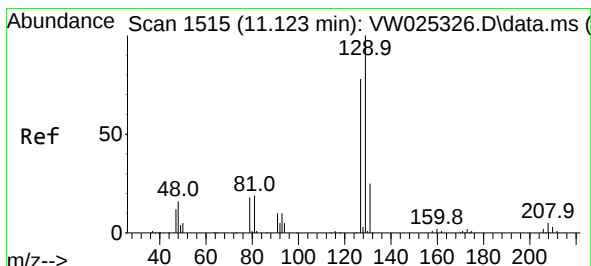
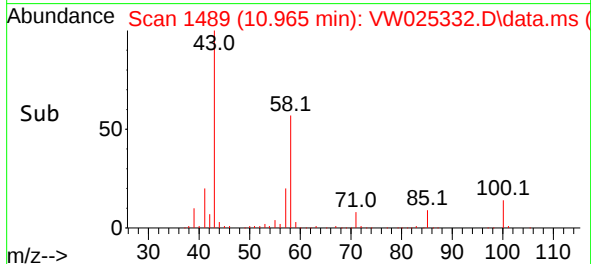
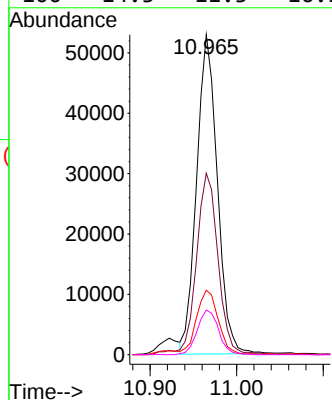
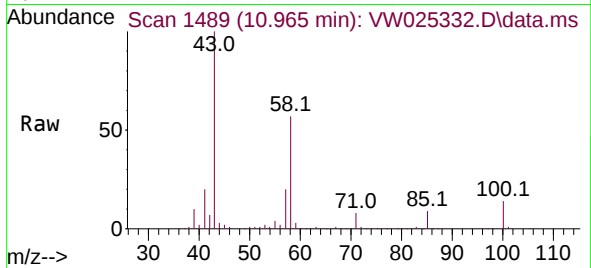




#48
2-Hexanone
Concen: 59.798 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

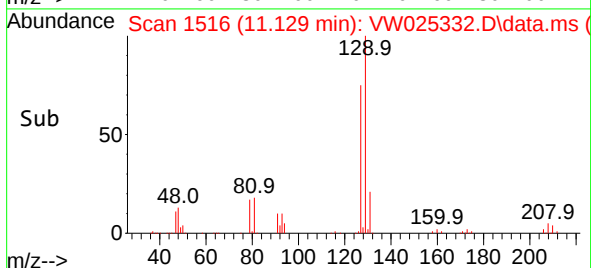
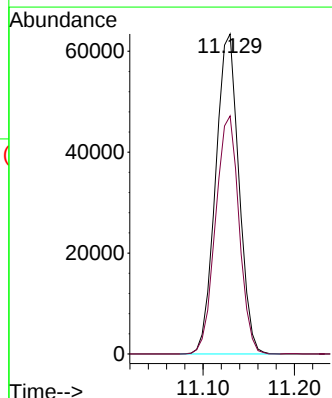
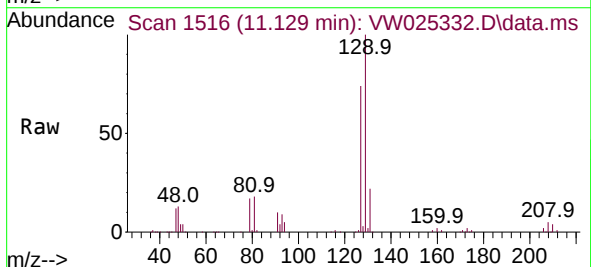
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

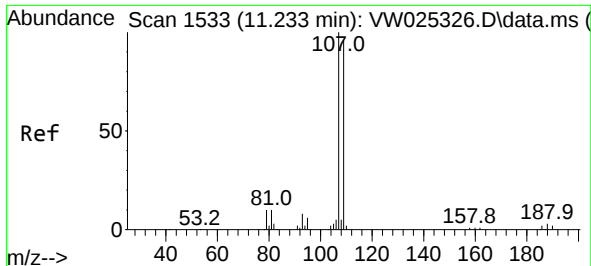
Tgt Ion:	43	Resp:	88128
Ion	Ratio	Lower	Upper
43	100		
58	58.1	46.3	69.5
57	21.1	16.5	24.7
100	14.3	11.3	16.9



#49
Dibromochloromethane
Concen: 29.855 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion:	129	Resp:	112361
Ion	Ratio	Lower	Upper
129	100		
127	74.4	54.8	101.8





#50

1,2-Dibromoethane

Concen: 29.466 ug/L

RT: 11.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025538

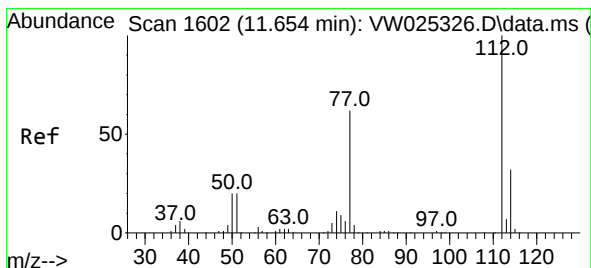
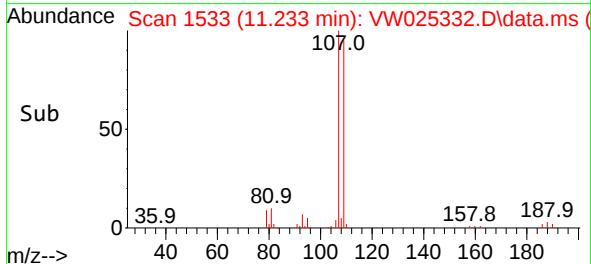
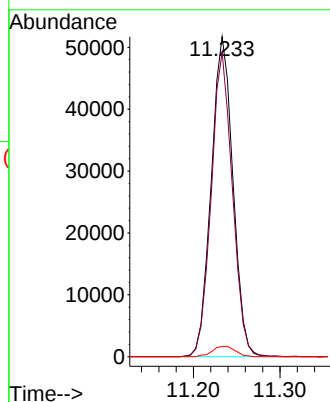
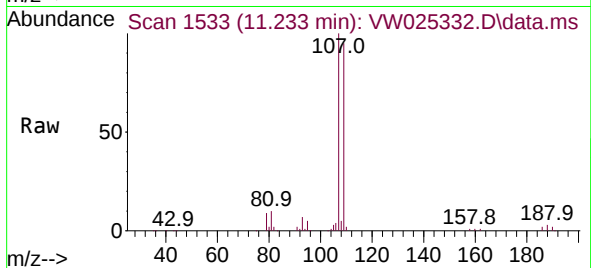
Tgt Ion:107 Resp: 89944

Ion Ratio Lower Upper

107 100

109 95.1 65.0 120.6

188 3.2 2.3 3.5



#51

Chlorobenzene

Concen: 25.972 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

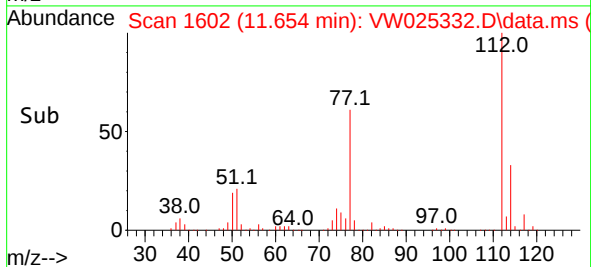
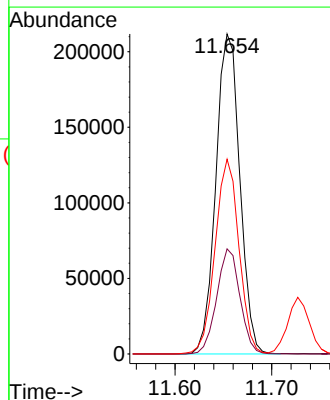
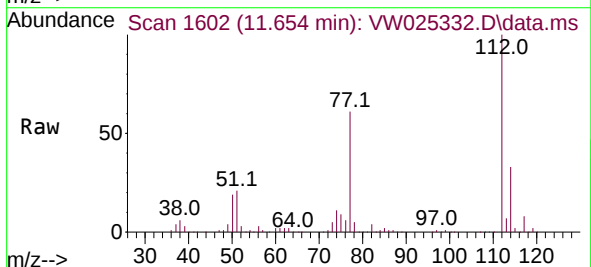
Tgt Ion:112 Resp: 364374

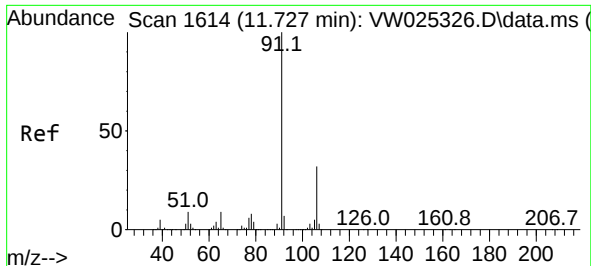
Ion Ratio Lower Upper

112 100

114 32.9 21.7 40.3

77 60.8 46.2 69.4

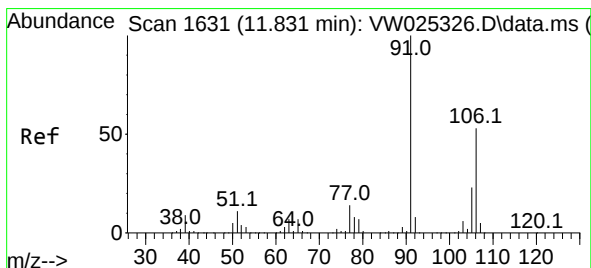
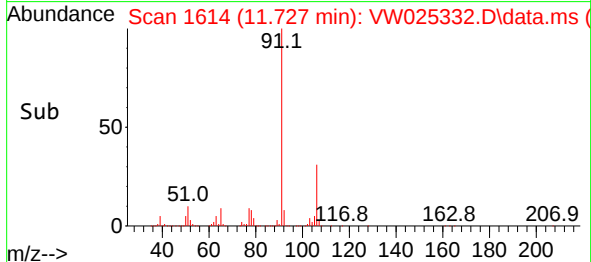
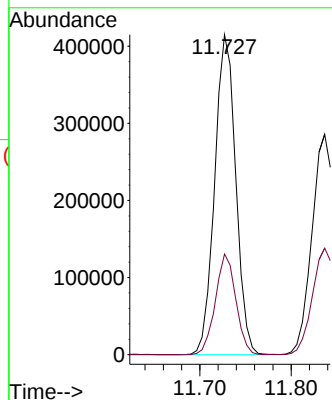
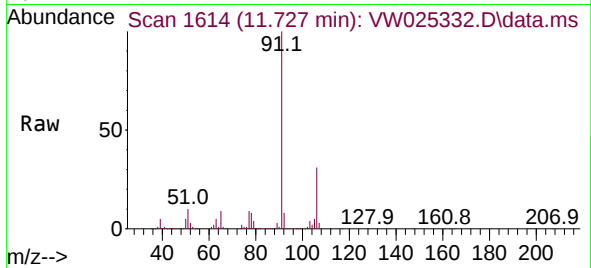




#52
Ethylbenzene
Concen: 26.011 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

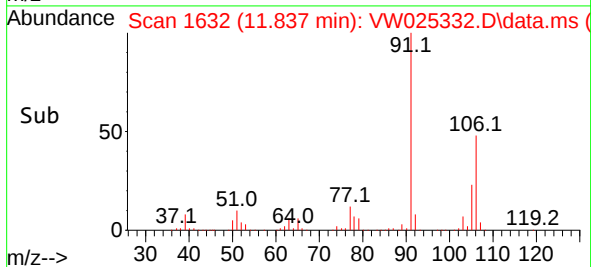
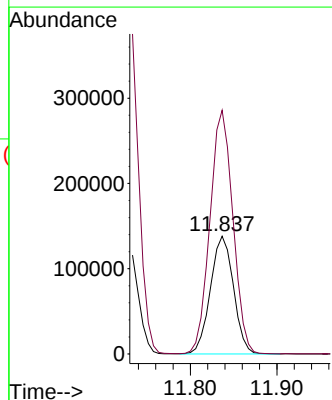
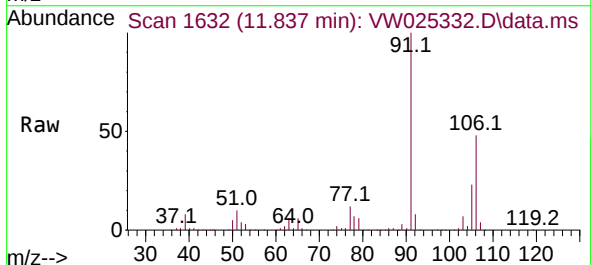
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

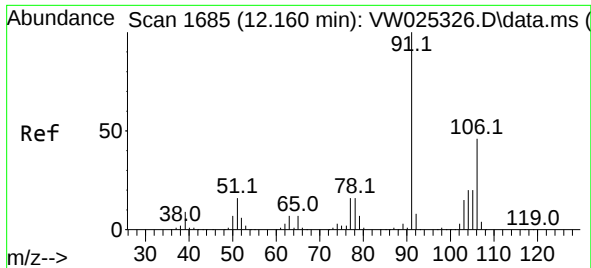
Tgt Ion: 91 Resp: 664375
Ion Ratio Lower Upper
91 100
106 31.5 21.1 39.1



#53
m,p-Xylene
Concen: 26.401 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.006 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion: 106 Resp: 255562
Ion Ratio Lower Upper
106 100
91 207.0 143.4 266.4

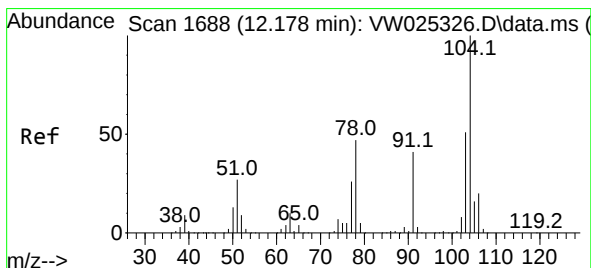
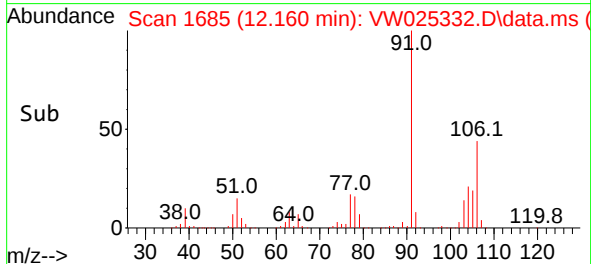
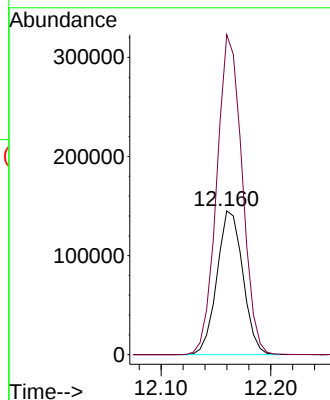
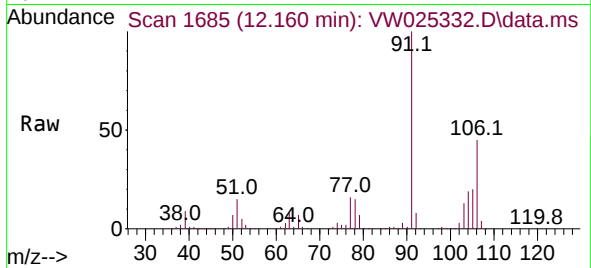




#54
o-Xylene
Concen: 24.470 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

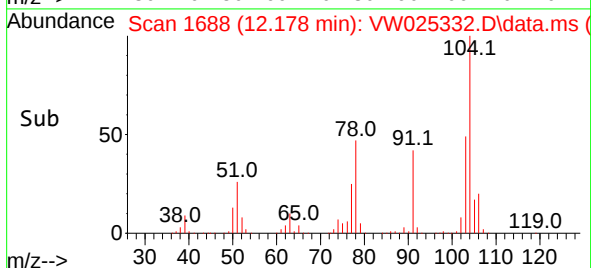
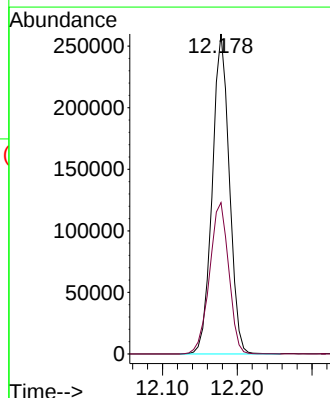
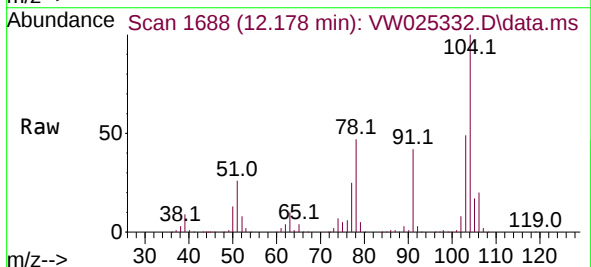
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

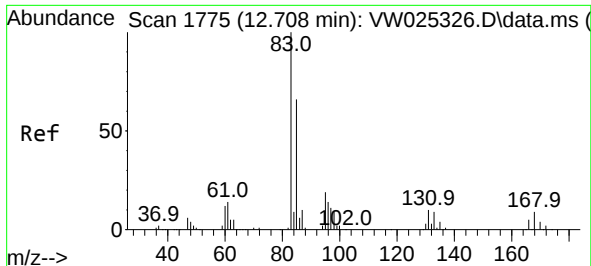
Tgt Ion:106 Resp: 238455
Ion Ratio Lower Upper
106 100
91 222.5 157.6 292.8



#55
Styrene
Concen: 24.995 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion:104 Resp: 412402
Ion Ratio Lower Upper
104 100
78 47.3 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 27.148 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025538

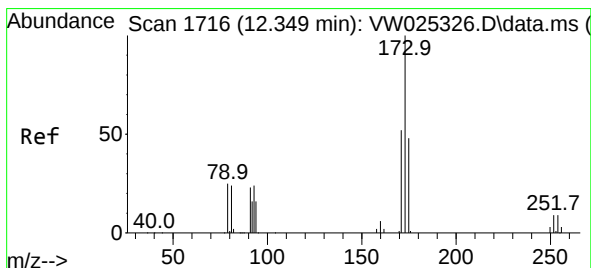
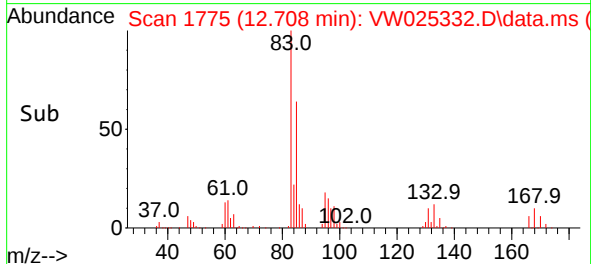
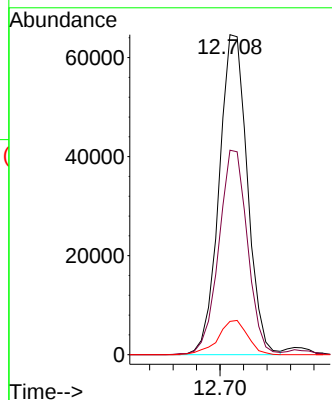
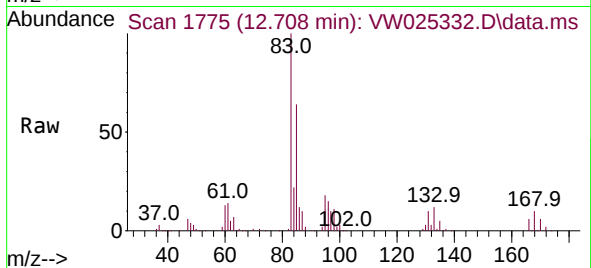
Tgt Ion: 83 Resp: 107787

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

131 10.4 7.8 11.6



#59

Bromoform

Concen: 27.008 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

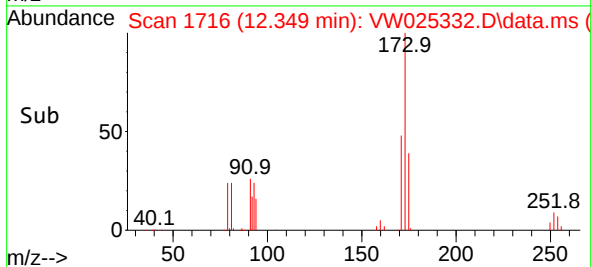
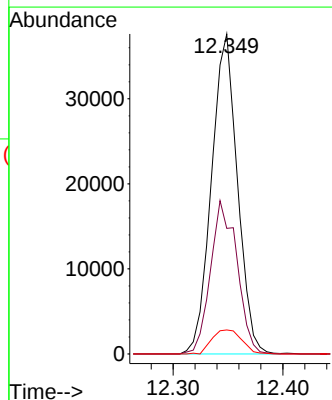
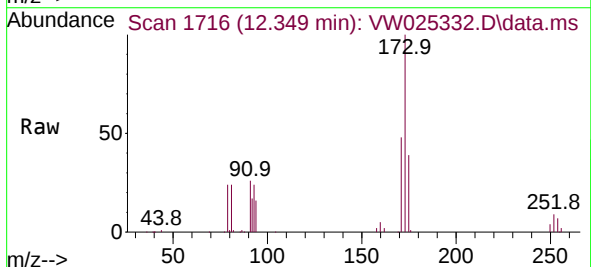
Tgt Ion:173 Resp: 61904

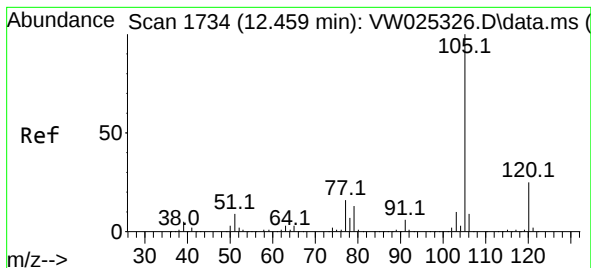
Ion Ratio Lower Upper

173 100

175 48.8 38.6 58.0

254 8.6 7.0 10.4





#60

Isopropylbenzene

Concen: 23.973 ug/L

RT: 12.465 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025538

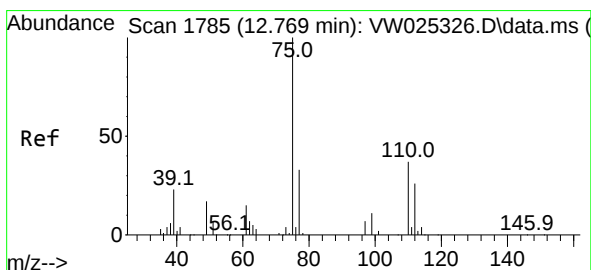
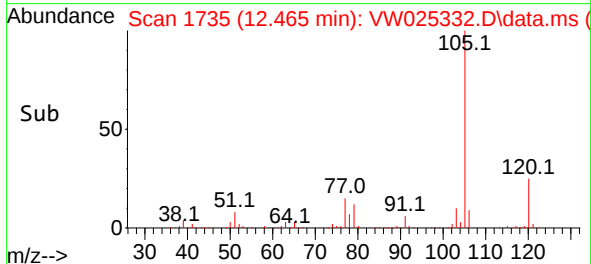
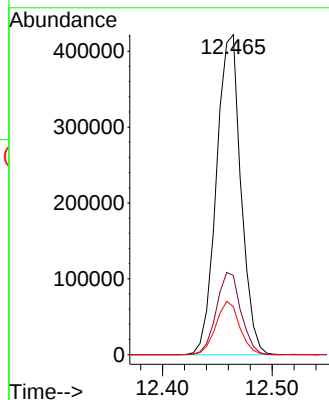
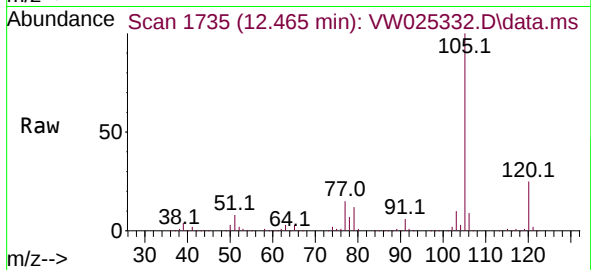
Tgt Ion:105 Resp: 655881

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

77 16.2 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 27.780 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

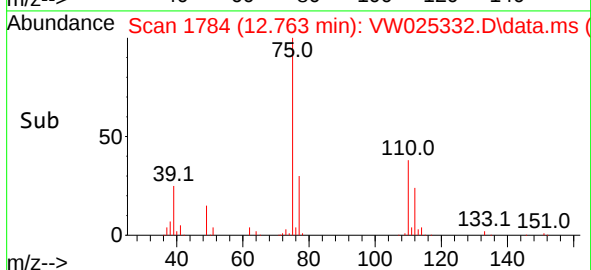
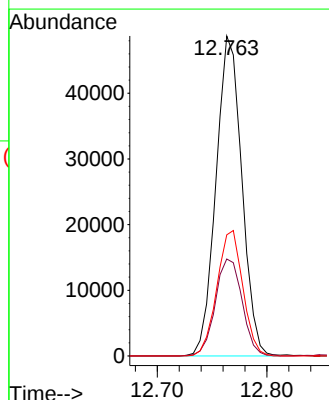
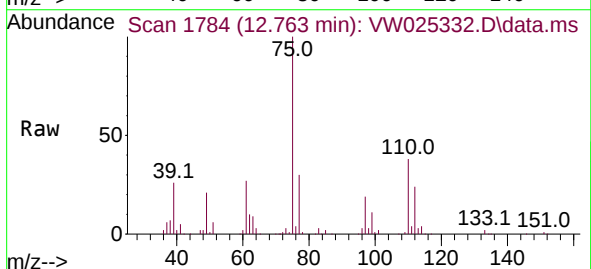
Tgt Ion: 75 Resp: 79795

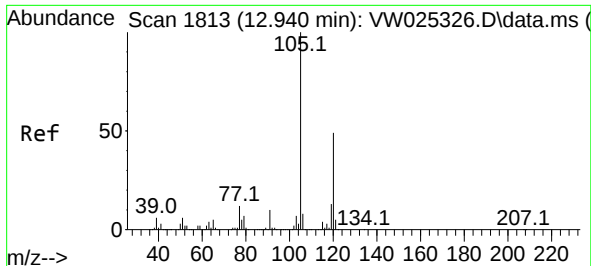
Ion Ratio Lower Upper

75 100

77 31.4 26.7 40.1

110 39.2 33.2 49.8

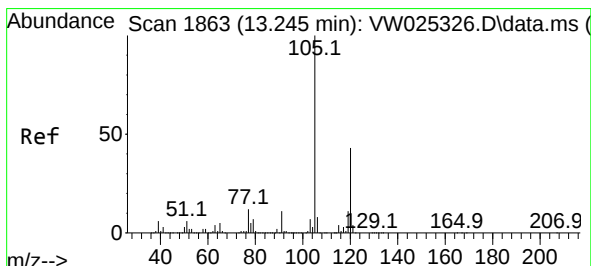
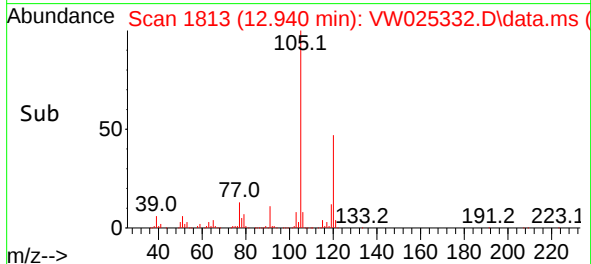
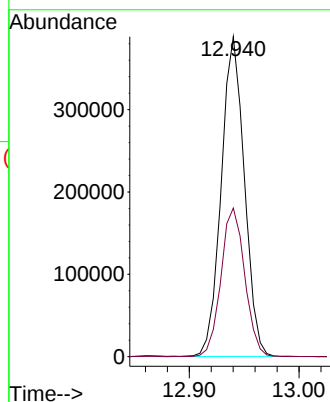
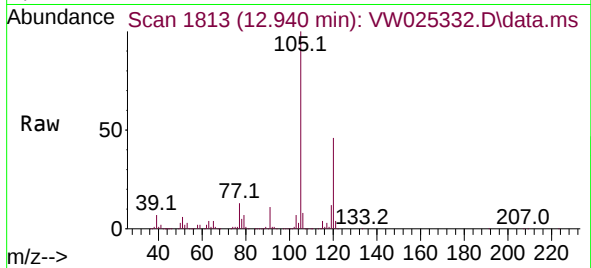




#62
1,3,5-Trimethylbenzene
Concen: 25.841 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

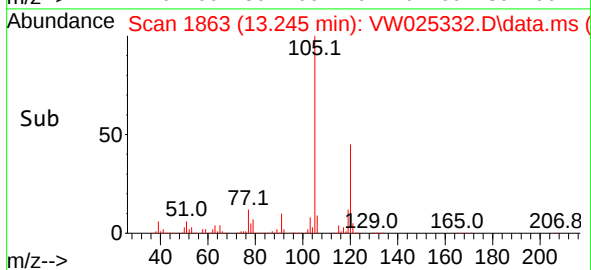
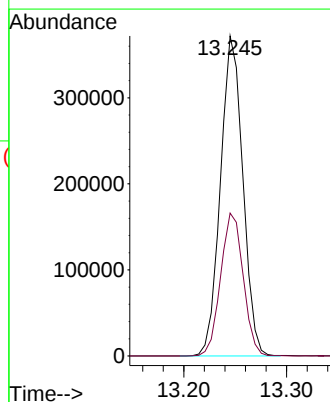
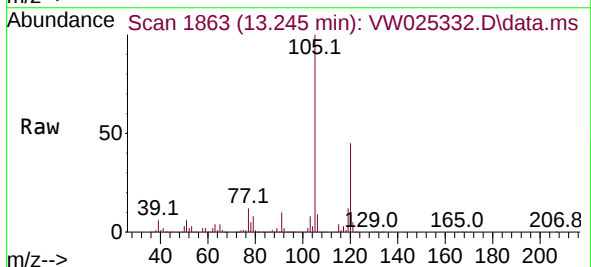
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

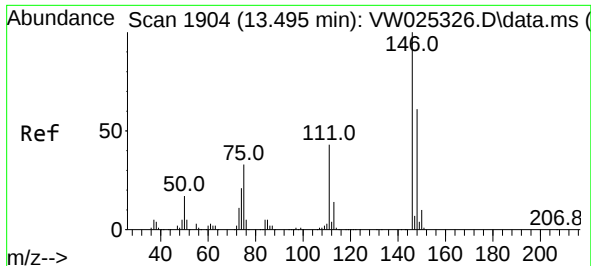
Tgt Ion:105 Resp: 569978
Ion Ratio Lower Upper
105 100
120 47.8 37.0 55.4



#63
1,2,4-Trimethylbenzene
Concen: 25.422 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion:105 Resp: 561849
Ion Ratio Lower Upper
105 100
120 45.0 35.0 52.4

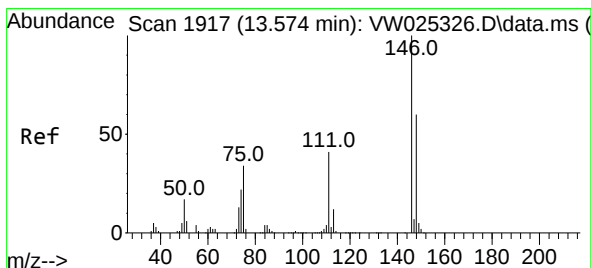
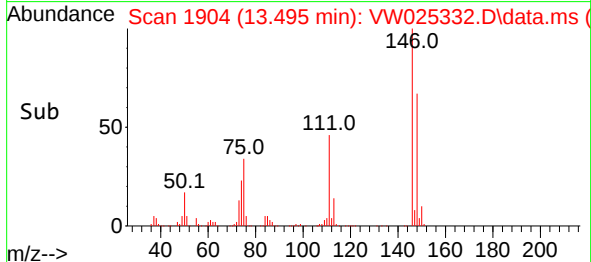
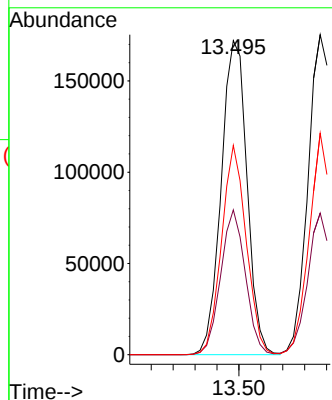
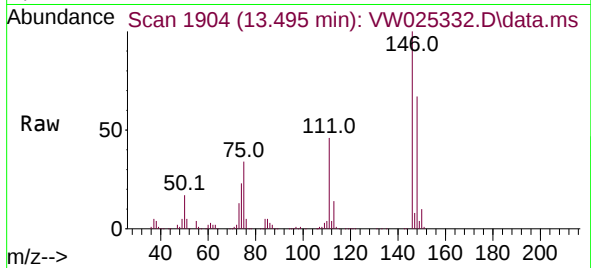




#64
1,3-Dichlorobenzene
Concen: 24.830 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

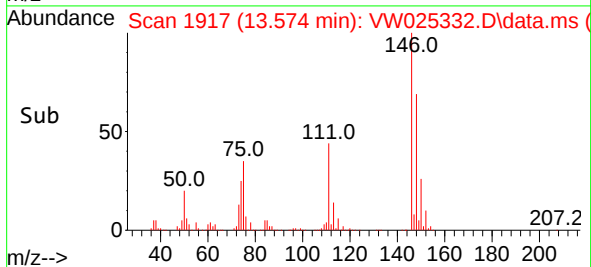
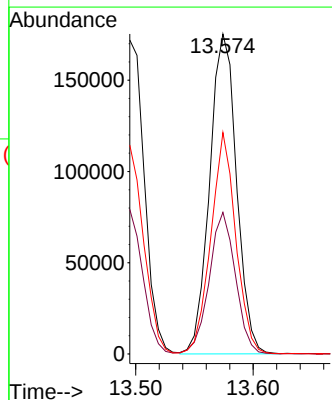
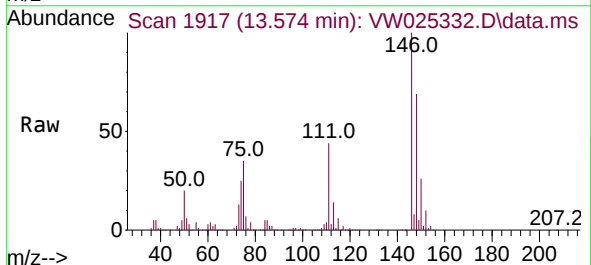
Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

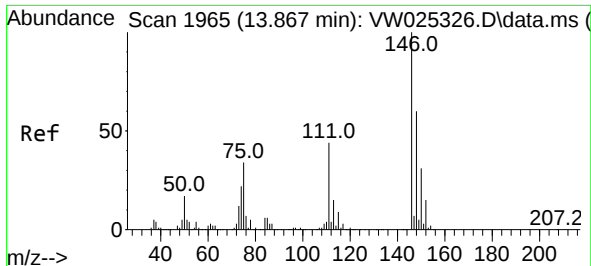
Tgt Ion:146 Resp: 281456
Ion Ratio Lower Upper
146 100
111 46.1 29.0 53.8
148 66.6 41.7 77.5



#65
1,4-Dichlorobenzene
Concen: 24.954 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion:146 Resp: 279121
Ion Ratio Lower Upper
146 100
111 44.3 29.3 54.3
148 69.2 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 25.262 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025538

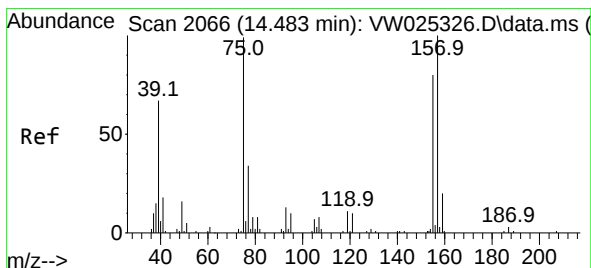
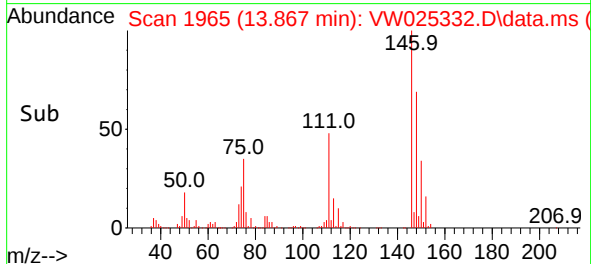
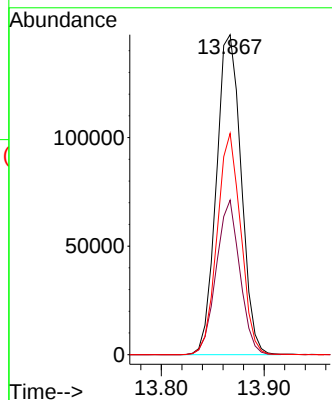
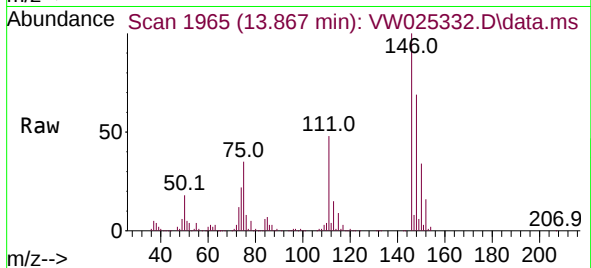
Tgt Ion:146 Resp: 246766

Ion Ratio Lower Upper

146 100

111 48.3 36.2 54.2

148 69.2 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 27.326 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

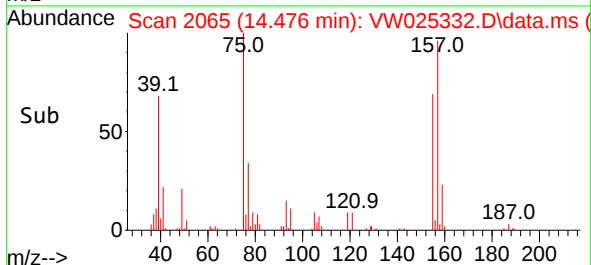
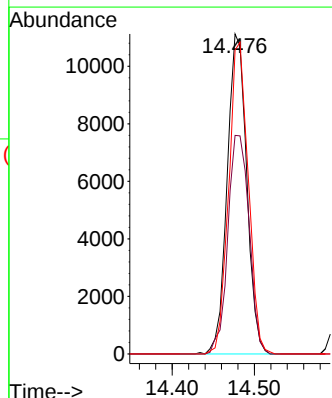
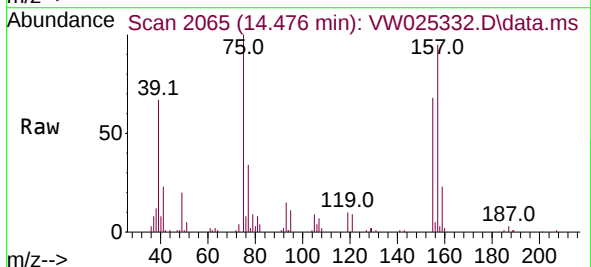
Tgt Ion: 75 Resp: 18332

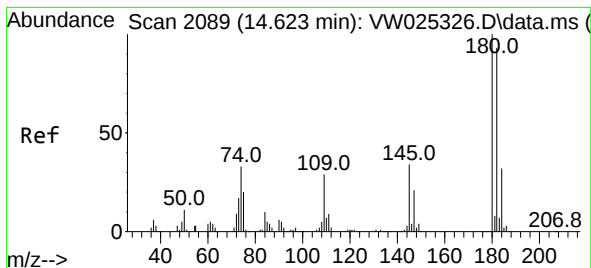
Ion Ratio Lower Upper

75 100

155 68.3 63.4 95.2

157 94.9 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 22.675 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025332.D

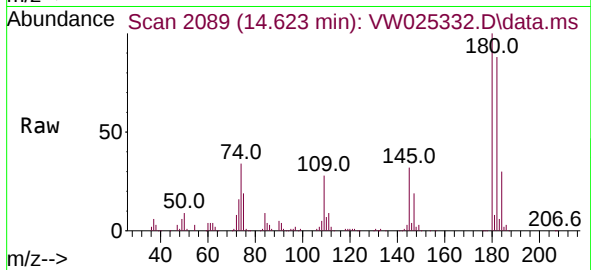
Acq: 15 Feb 2023 11:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025538



Tgt Ion:180 Resp: 167150

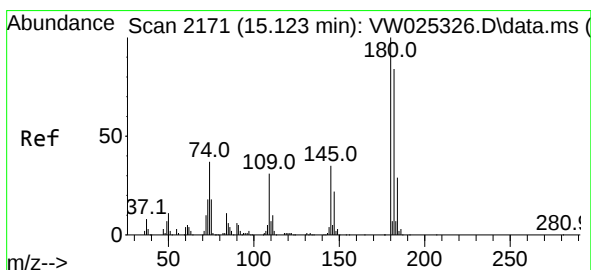
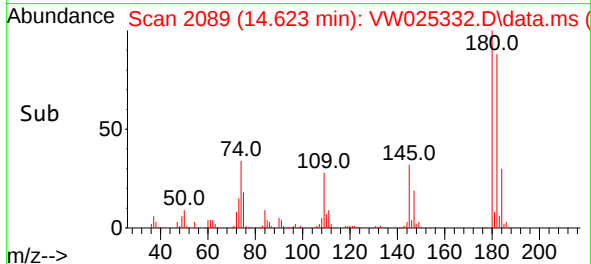
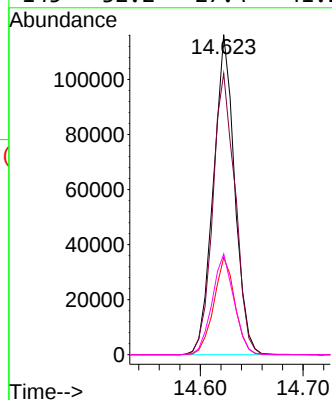
Ion Ratio Lower Upper

180 100

182 92.4 77.7 116.5

184 30.2 24.4 36.6

145 32.2 27.4 41.2



#70

1,2,4-trichlorobenzene

Concen: 23.205 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW025332.D

Acq: 15 Feb 2023 11:34

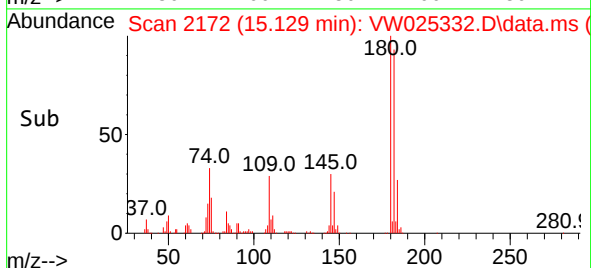
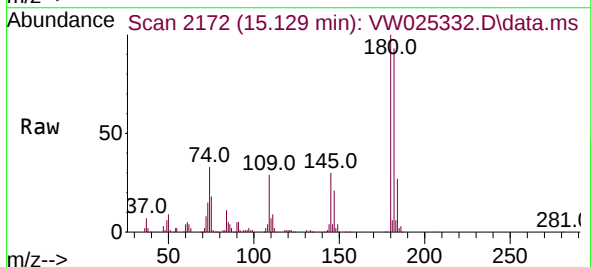
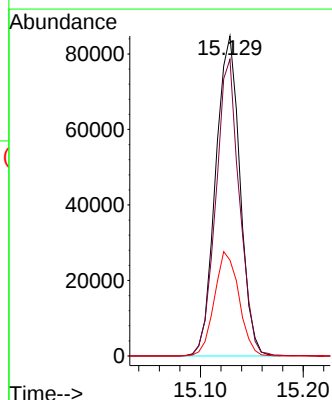
Tgt Ion:180 Resp: 139287

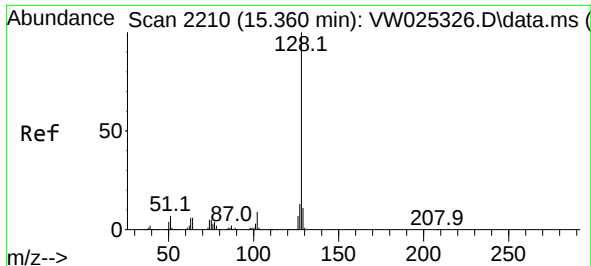
Ion Ratio Lower Upper

180 100

182 89.9 76.4 114.6

145 32.9 27.4 41.2

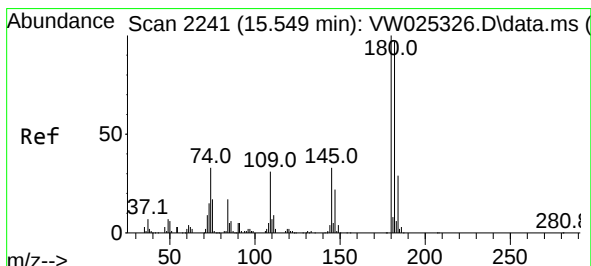
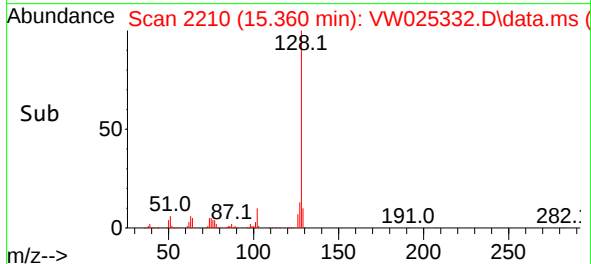
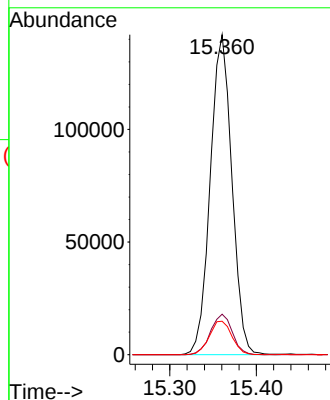
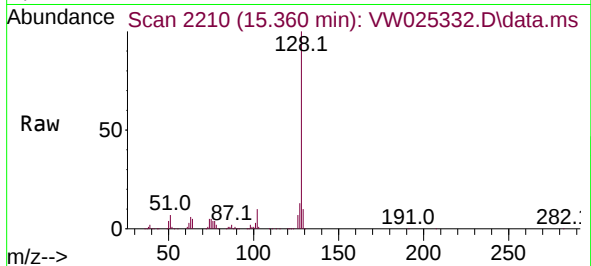




#71
Naphthalene
Concen: 22.483 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD025538

Tgt Ion:128 Resp: 246694
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 21.184 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW025332.D
Acq: 15 Feb 2023 11:34

Tgt Ion:180 Resp: 109178
Ion Ratio Lower Upper
180 100
182 95.0 75.1 112.7
145 37.3 28.8 43.2

