

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032023\
 Data File : VW025429.D
 Acq On : 20 Mar 2023 08:54
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025552

Quant Time: Mar 20 23:47:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM030623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 17 21:39:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	668976	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	588121	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	287716	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	232283	20.883	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.520%
7) Chloroethane-d5	2.899	69	178664	22.323	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.280%
11) 1,1-Dichloroethene-d2	4.021	63	504896	23.502	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.000%
21) 2-Butanone-d5	7.075	46	131920	48.318	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.640%
24) Chloroform-d	7.648	84	461561	23.933	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.720%
26) 1,2-Dichloroethane-d4	8.307	65	245054	23.674	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.680%
32) Benzene-d6	8.276	84	953298	23.722	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.880%
36) 1,2-Dichloropropane-d6	9.270	67	296913	23.883	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.520%
41) Toluene-d8	10.325	98	832824	23.505	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.040%
43) trans-1,3-Dichloroprop...	10.575	79	113322	22.892	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.560%
47) 2-Hexanone-d5	10.922	63	84286	47.148	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.300%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	217224	23.850	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	13.848	152	253689	23.711	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	165420	21.637	ug/L	97
3) Chloromethane	2.223	50	225750	24.828	ug/L	98
5) Vinyl chloride	2.375	62	269113	26.197	ug/L	98
6) Bromomethane	2.789	94	137150	25.042	ug/L	97
8) Chloroethane	2.936	64	152912	25.899	ug/L	99
9) Trichlorofluoromethane	3.265	101	210332	23.656	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	221386	25.675	ug/L	99
12) 1,1-Dichloroethene	4.045	96	211739	25.381	ug/L	97
13) Acetone	4.125	43	143288	54.594	ug/L	100
14) Carbon disulfide	4.387	76	684156	26.377	ug/L	98
15) Methyl Acetate	4.673	43	110273	22.396	ug/L	97
16) Methylene chloride	4.917	84	230689	24.765	ug/L	94
17) trans-1,2-Dichloroethene	5.423	96	219713	25.124	ug/L	96
18) Methyl tert-butyl Ether	5.423	73	321456	24.416	ug/L	99
19) 1,1-Dichloroethane	6.216	63	454733	25.110	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	235970	24.645	ug/L #	97
22) 2-Butanone	7.167	43	167297	49.274	ug/L	99
23) Bromochloromethane	7.514	128	98564	23.938	ug/L	94
25) Chloroform	7.673	83	418247	24.568	ug/L	100

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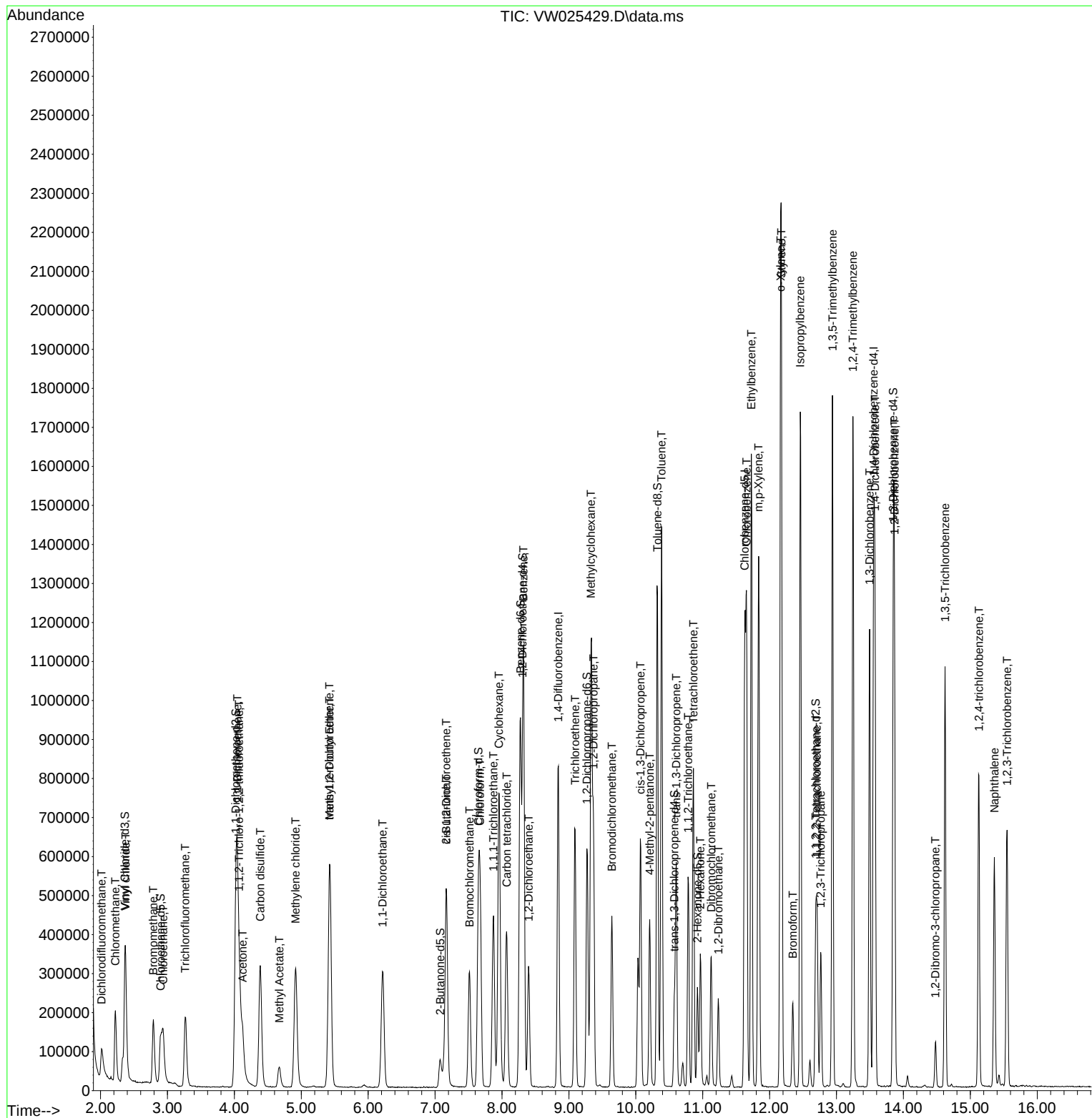
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	281245	24.755	ug/L	98
29) Cyclohexane	7.953	56	438421	26.409	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	345961	24.745	ug/L	99
31) Carbon tetrachloride	8.069	117	304263	24.279	ug/L	99
33) Benzene	8.319	78	959427	25.516	ug/L	100
34) Trichloroethene	9.093	95	240659	24.385	ug/L	98
35) Methylcyclohexane	9.331	83	442302	26.017	ug/L	99
37) 1,2-Dichloropropane	9.368	63	257093	24.839	ug/L	100
38) Bromodichloromethane	9.642	83	291536	24.152	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	366983	24.612	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	302339	48.601	ug/L	99
42) Toluene	10.386	91	989496	25.487	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	307381	24.616	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	165572	23.821	ug/L	97
46) Tetrachloroethene	10.861	164	173295	24.679	ug/L	97
48) 2-Hexanone	10.965	43	228118	50.969	ug/L	99
49) Dibromochloromethane	11.129	129	172607	23.241	ug/L	96
50) 1,2-Dibromoethane	11.233	107	150432	23.381	ug/L	98
51) Chlorobenzene	11.654	112	584820	23.735	ug/L	98
52) Ethylbenzene	11.727	91	1102997	24.911	ug/L	98
53) m,p-Xylene	11.837	106	410670	25.146	ug/L	95
54) o-Xylene	12.166	106	387512	25.216	ug/L	100
55) Styrene	12.178	104	675561	25.743	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	200019	23.134	ug/L	98
59) Bromoform	12.349	173	95289	22.955	ug/L	98
60) Isopropylbenzene	12.458	105	1106391	25.796	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	146628	23.391	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	878681	25.867	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	875187	26.153	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	449494	24.733	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	434118	23.287	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	398703	24.460	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	32007	22.055	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	298033	24.124	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	237403	23.176	ug/L	99
71) Naphthalene	15.360	128	476154	23.549	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	217130	23.600	ug/L	97

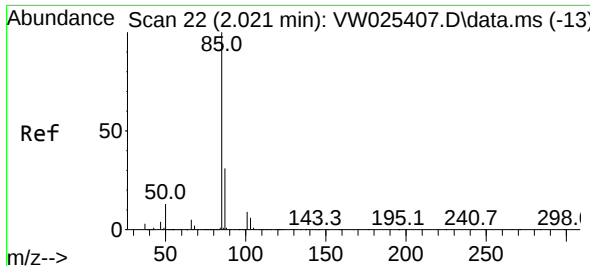
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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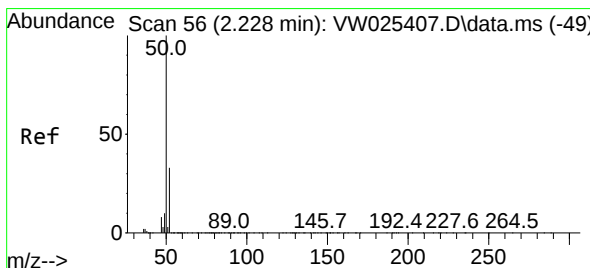
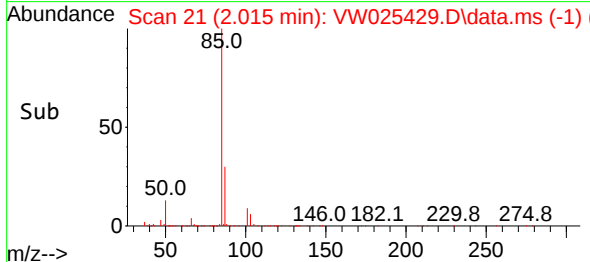
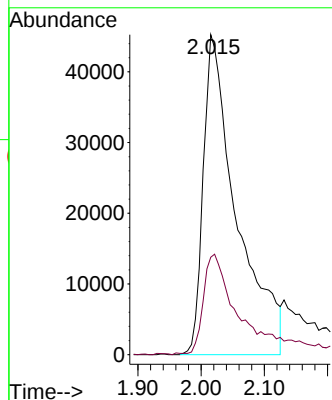
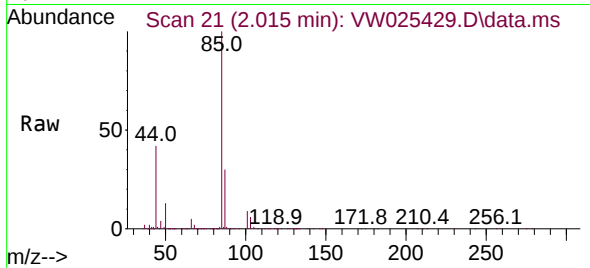




#2
 Dichlorodifluoromethane
 Concen: 21.637 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

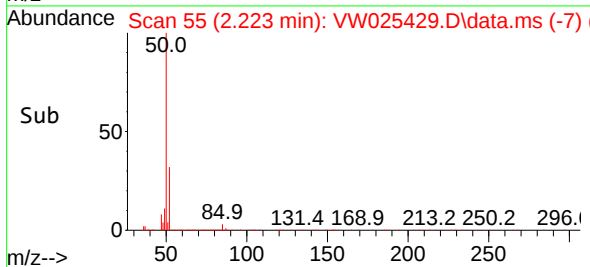
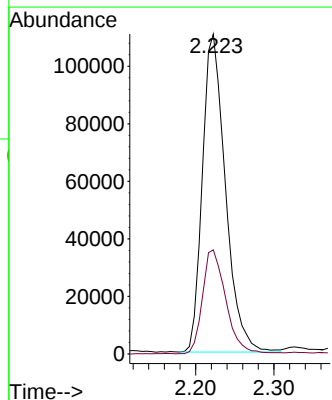
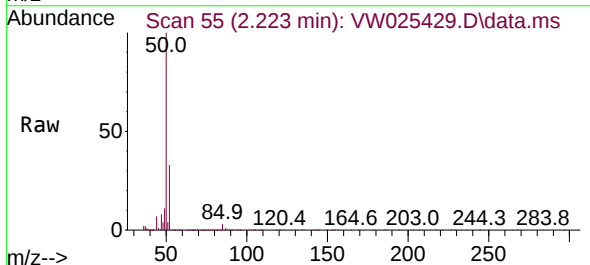
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 ClientSampleId :
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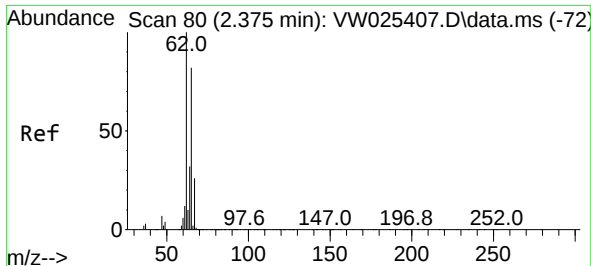
Tgt Ion: 85 Resp: 165420
 Ion Ratio Lower Upper
 85 100
 87 27.2 20.5 30.7



#3
 Chloromethane
 Concen: 24.828 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

Tgt Ion: 50 Resp: 225750
 Ion Ratio Lower Upper
 50 100
 52 32.5 21.9 40.7

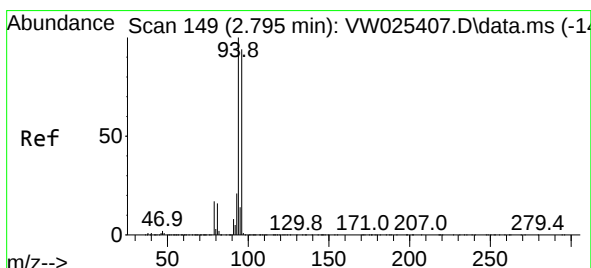
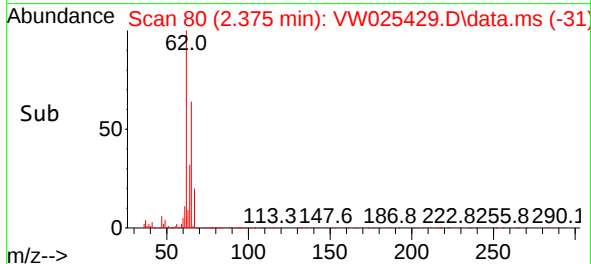
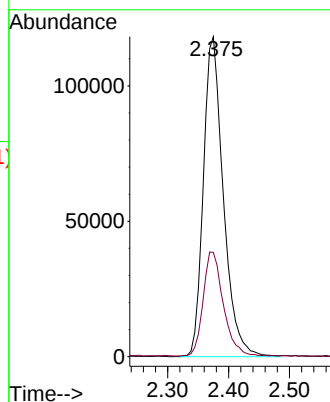
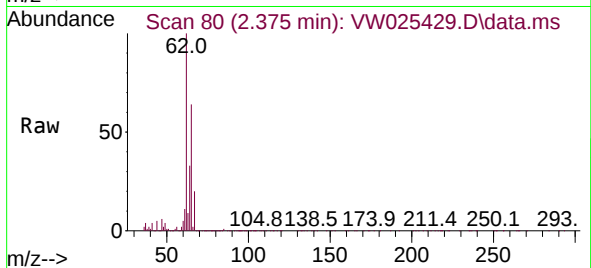




#5
 Vinyl chloride
 Concen: 26.197 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

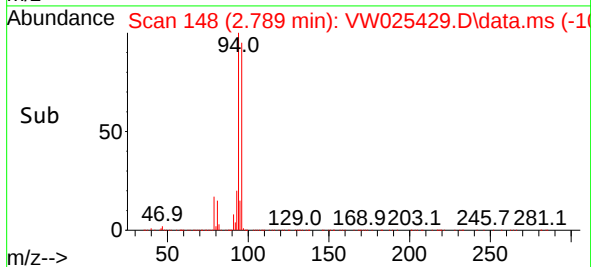
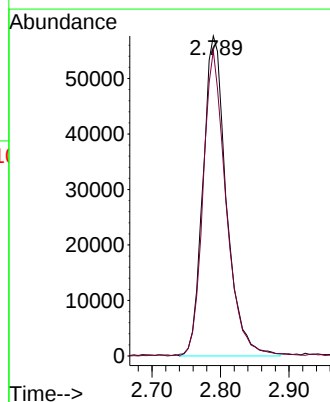
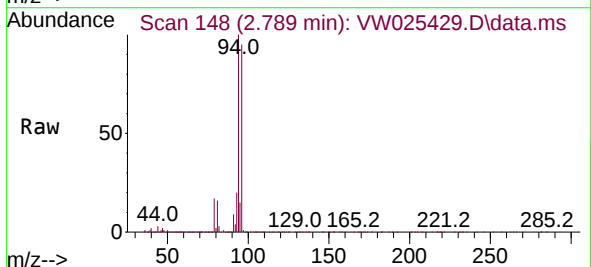
Instrument :
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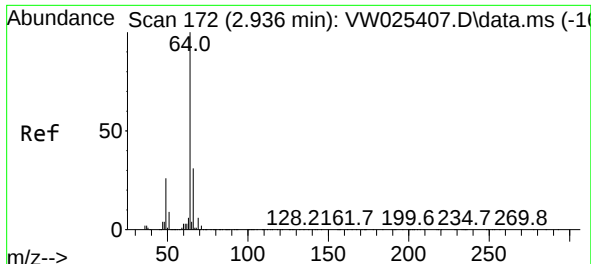
Tgt Ion: 62 Resp: 269113
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.4 43.6



#6
 Bromomethane
 Concen: 25.042 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.006 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

Tgt Ion: 94 Resp: 137150
 Ion Ratio Lower Upper
 94 100
 96 95.4 64.5 119.9

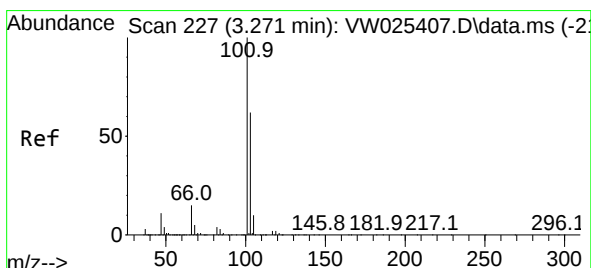
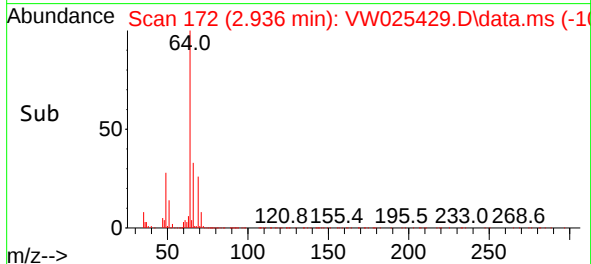
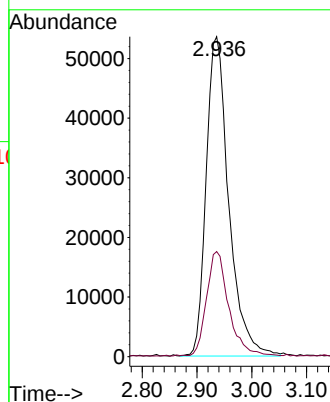
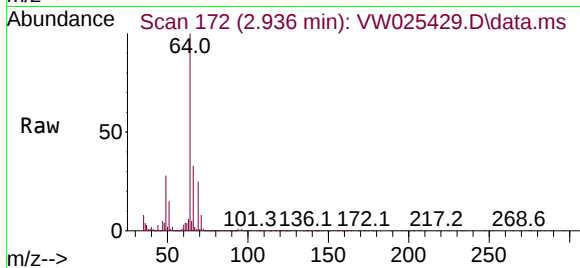




#8
Chloroethane
Concen: 25.899 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

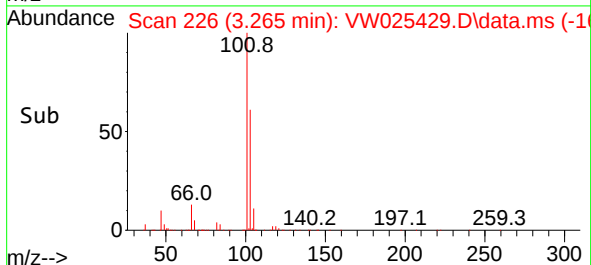
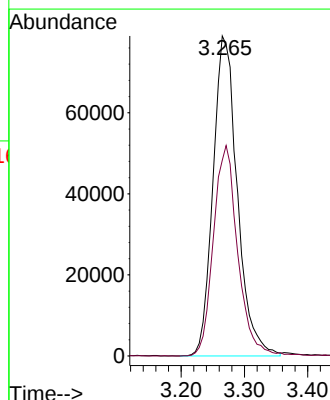
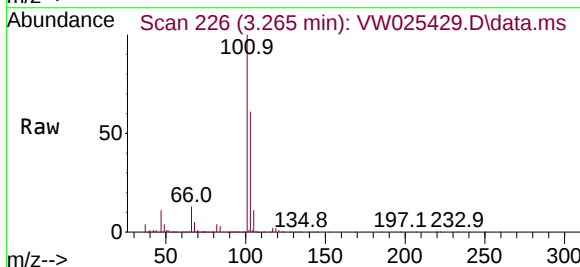
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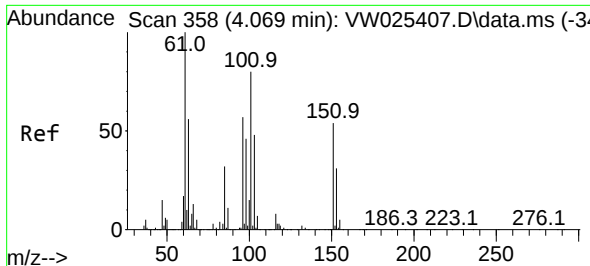
Tgt Ion: 64 Resp: 152912
Ion Ratio Lower Upper
64 100
66 32.9 23.3 43.3



#9
Trichlorofluoromethane
Concen: 23.656 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 101 Resp: 210332
Ion Ratio Lower Upper
101 100
103 65.4 51.5 77.3

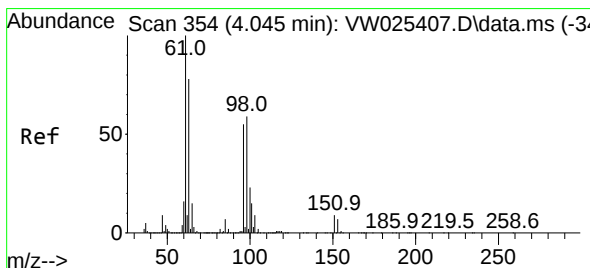
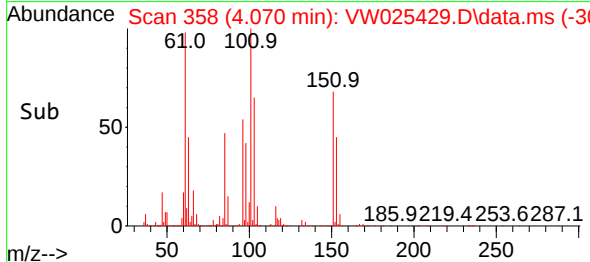
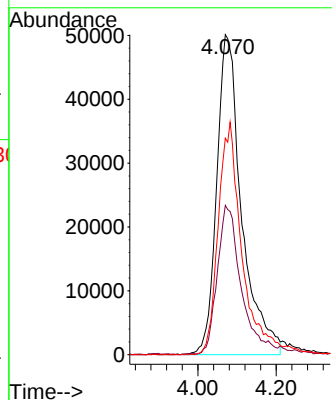
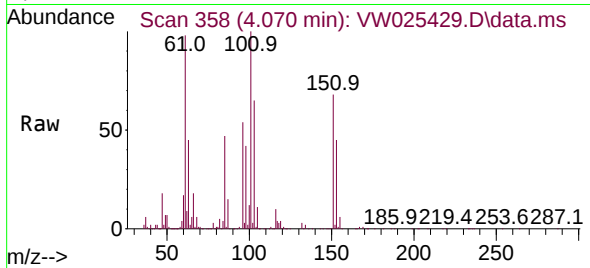




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.675 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

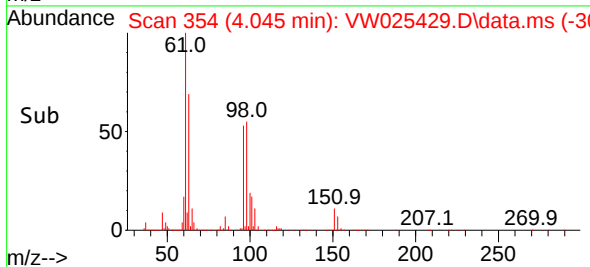
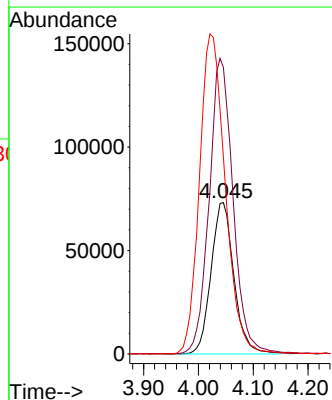
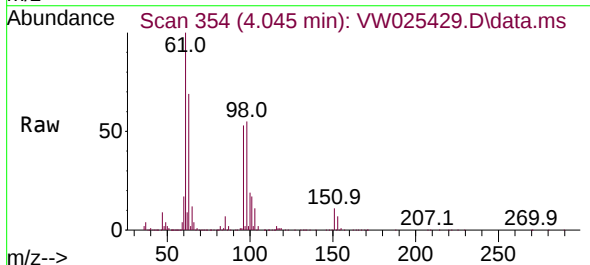
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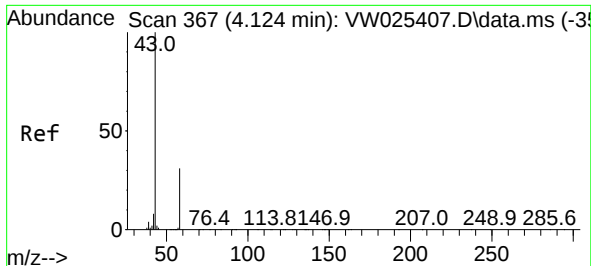
Tgt Ion:101 Resp: 221386
 Ion Ratio Lower Upper
 101 100
 85 43.3 35.8 53.8
 151 68.5 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 25.381 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

Tgt Ion: 96 Resp: 211739
 Ion Ratio Lower Upper
 96 100
 61 189.3 130.7 242.7
 63 130.3 88.3 164.1





#13

Acetone

Concen: 54.594 ug/L

RT: 4.125 min Scan# 3

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

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ClientSampleId :

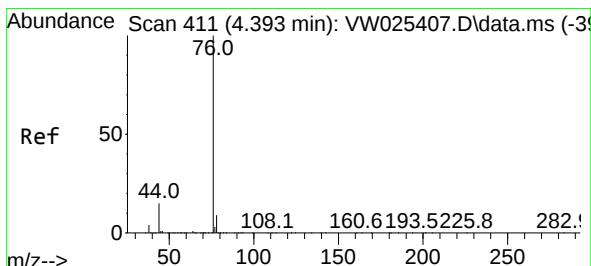
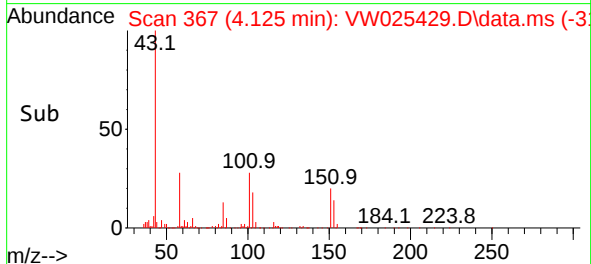
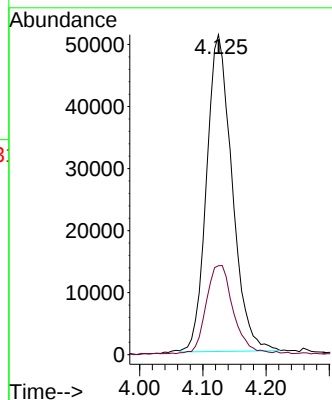
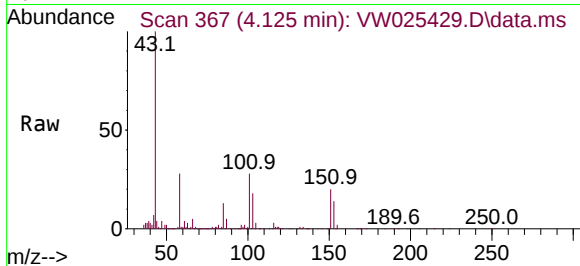
VSTD025552

Tgt Ion: 43 Resp: 143288

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.0



#14

Carbon disulfide

Concen: 26.377 ug/L

RT: 4.387 min Scan# 410

Delta R.T. -0.006 min

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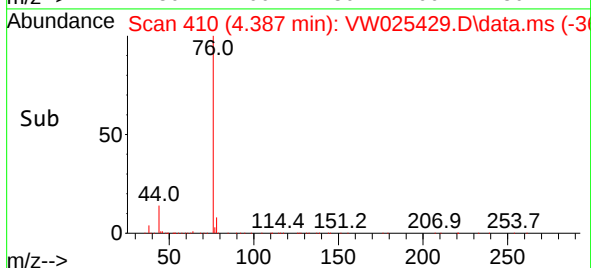
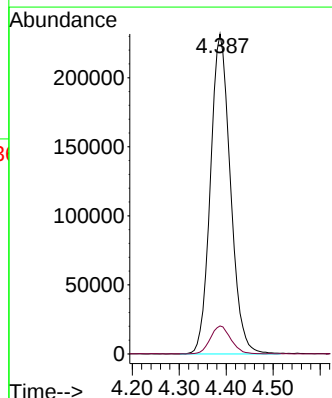
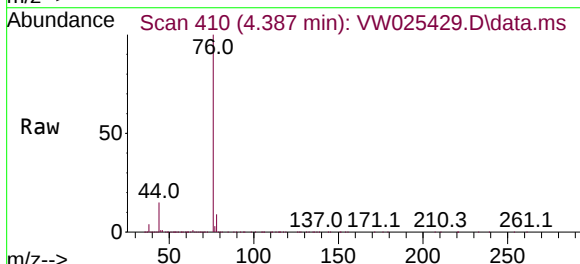
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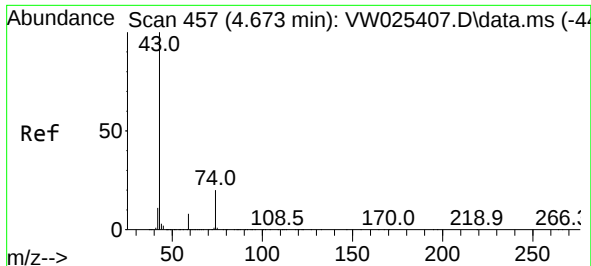
Tgt Ion: 76 Resp: 684156

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4

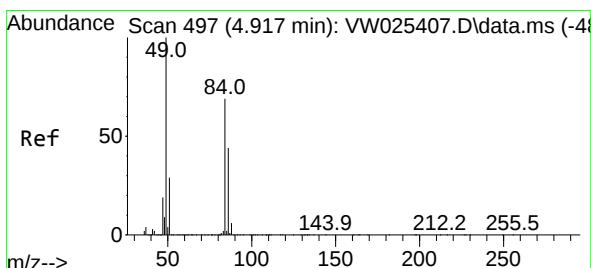
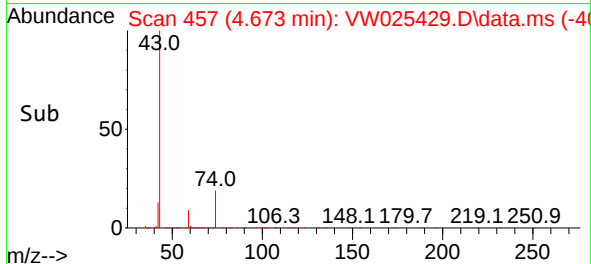
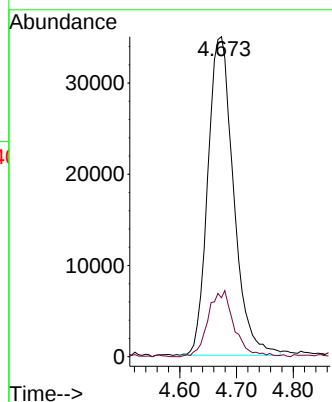
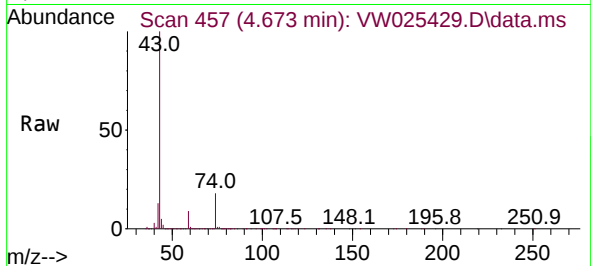




#15
Methyl Acetate
Concen: 22.396 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

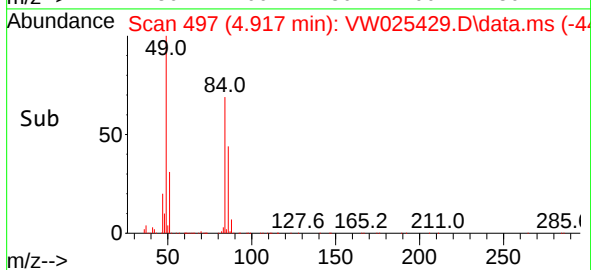
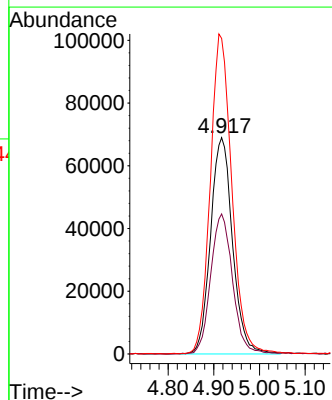
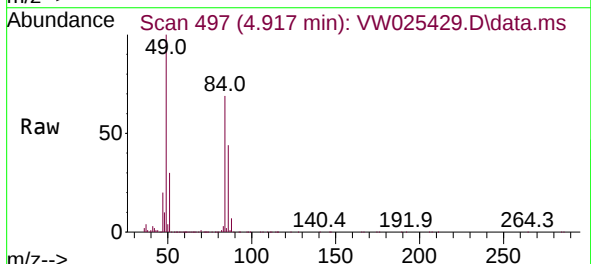
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

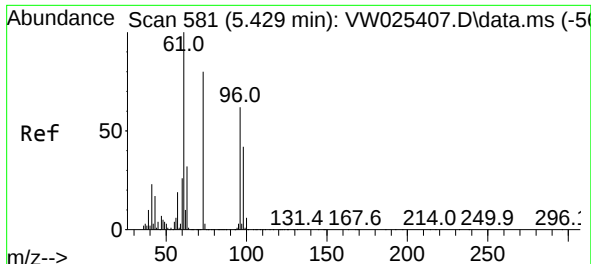
Tgt Ion: 43 Resp: 110273
Ion Ratio Lower Upper
43 100
74 19.9 17.0 25.4



#16
Methylene chloride
Concen: 24.765 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 84 Resp: 230689
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.7
49 145.8 94.7 175.9

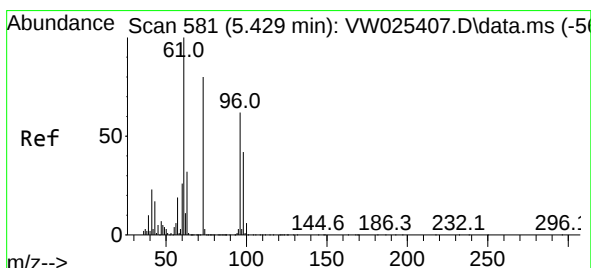
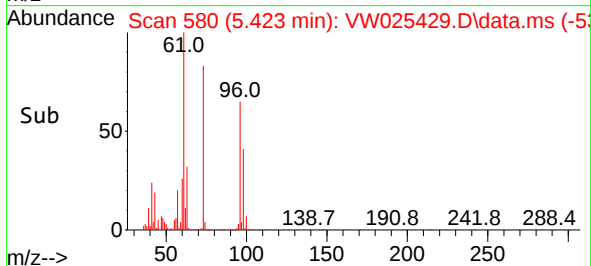
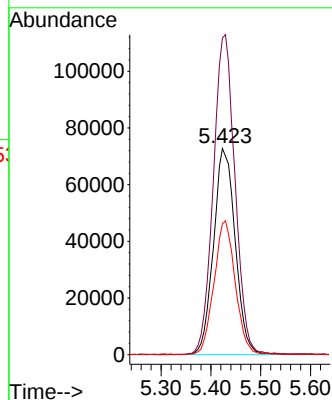
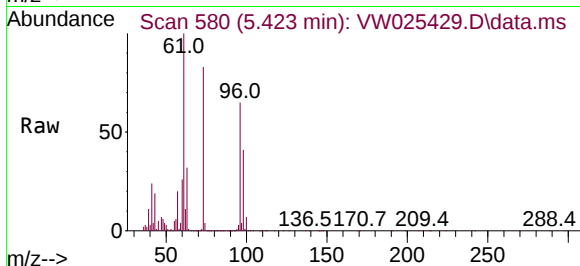




#17
trans-1,2-Dichloroethene
Concen: 25.124 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

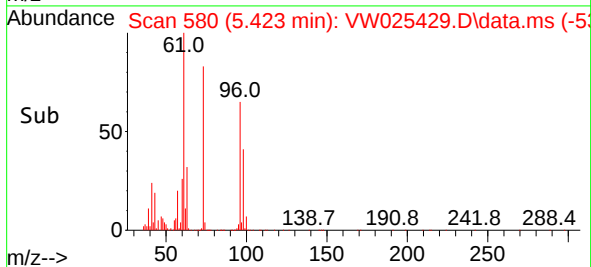
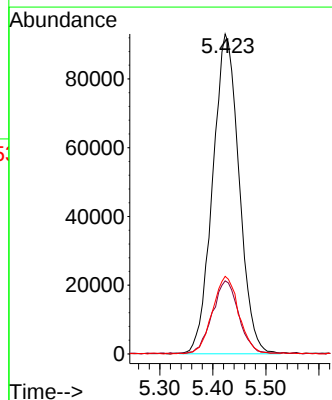
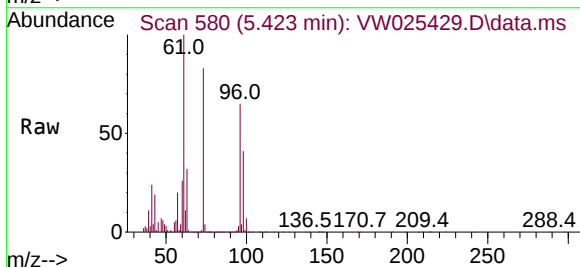
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

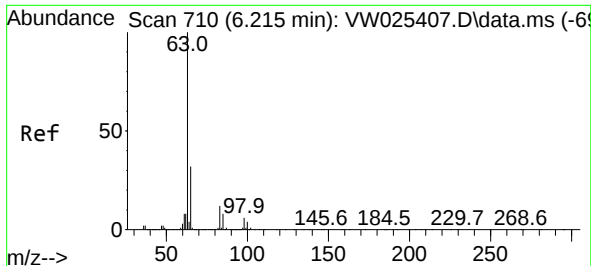
Tgt Ion: 96 Resp: 219713
Ion Ratio Lower Upper
96 100
61 153.5 103.0 191.4
98 63.4 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 24.416 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 73 Resp: 321456
Ion Ratio Lower Upper
73 100
43 22.6 17.6 26.4
57 24.0 18.6 28.0





#19

1,1-Dichloroethane

Concen: 25.110 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD025552

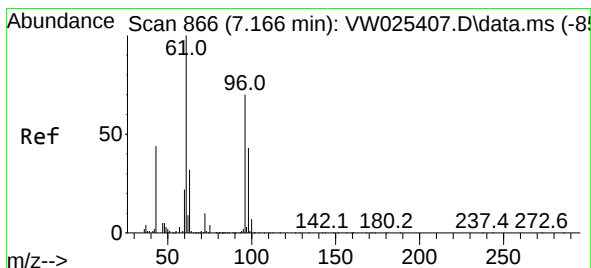
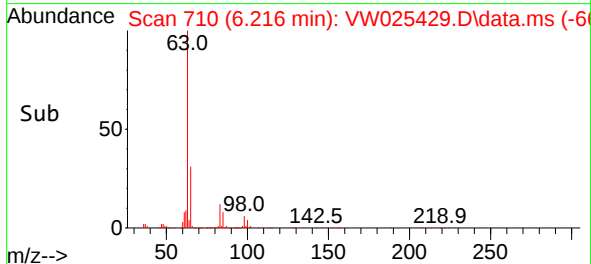
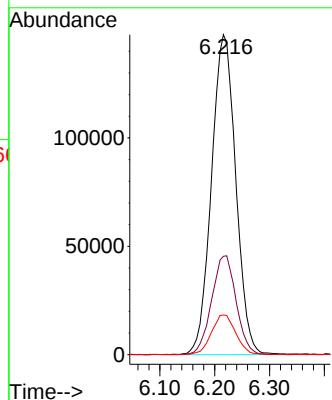
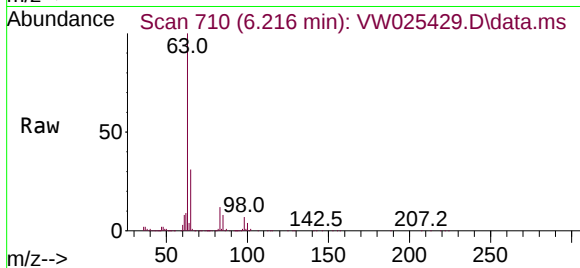
Tgt Ion: 63 Resp: 454733

Ion Ratio Lower Upper

63 100

65 30.7 21.7 40.3

83 12.4 8.4 15.6



#20

cis-1,2-Dichloroethene

Concen: 24.645 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

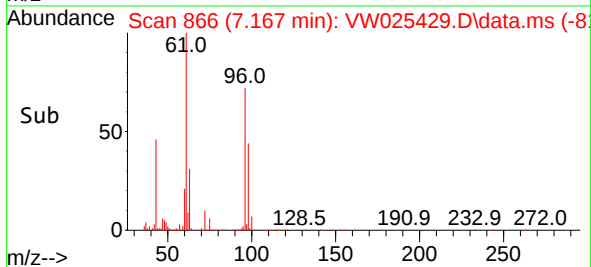
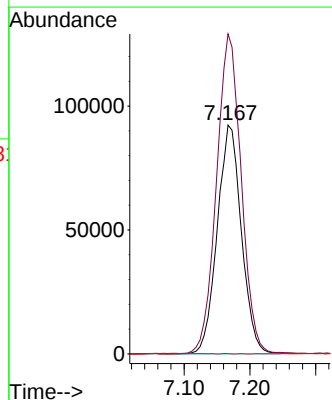
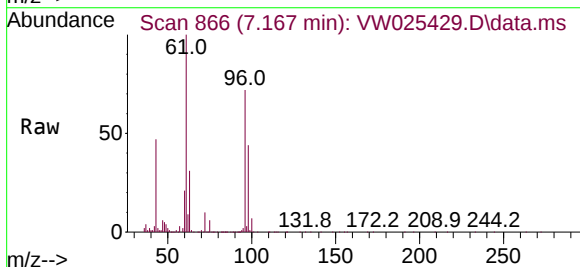
Tgt Ion: 96 Resp: 235970

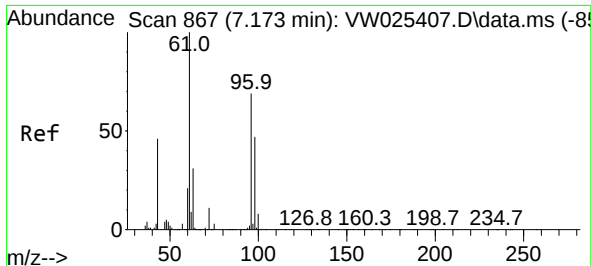
Ion Ratio Lower Upper

96 100

61 139.8 95.5 177.4

68 0.2 0.1 0.1#

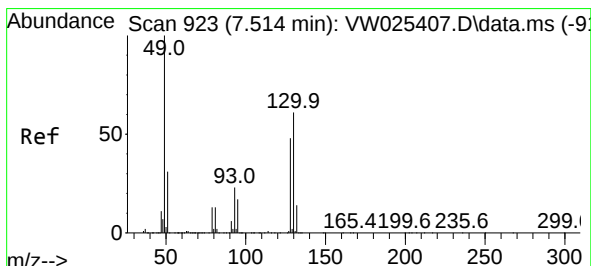
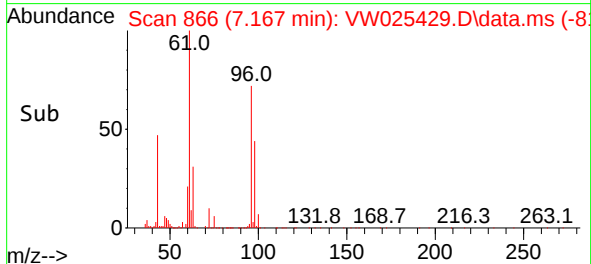
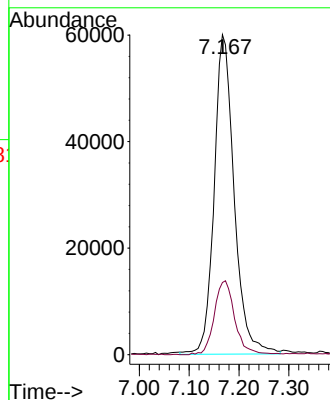
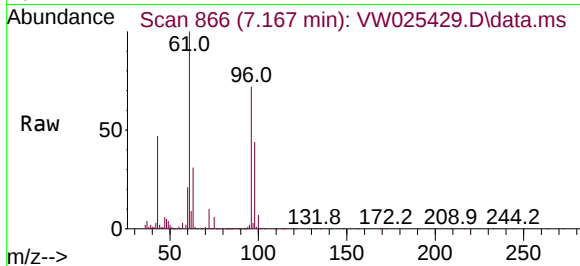




#22
2-Butanone
Concen: 49.274 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

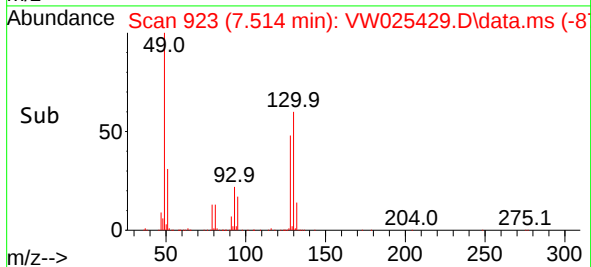
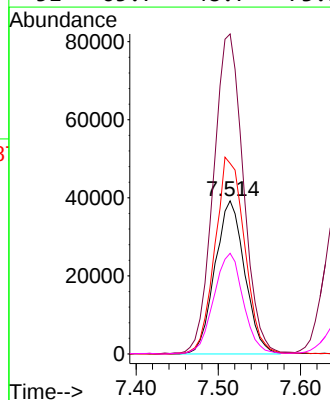
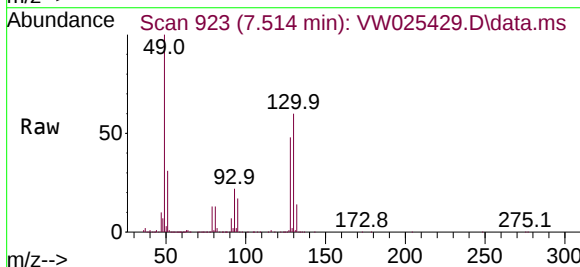
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

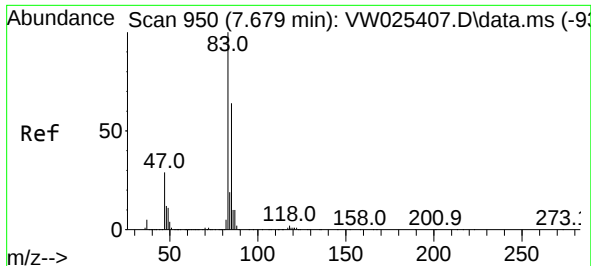
Tgt Ion: 43 Resp: 167297
Ion Ratio Lower Upper
43 100
72 23.6 12.0 36.1



#23
Bromochloromethane
Concen: 23.938 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 128 Resp: 98564
Ion Ratio Lower Upper
128 100
49 209.0 140.6 261.0
130 124.5 80.8 150.0
51 65.7 48.7 73.1

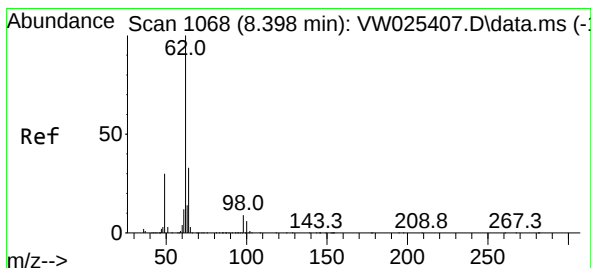
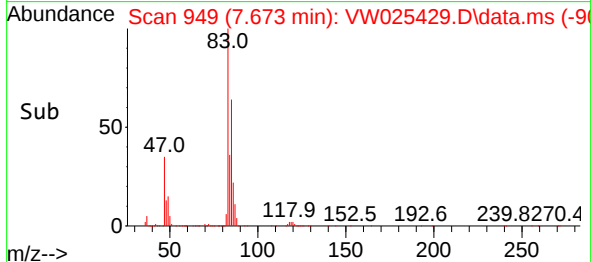
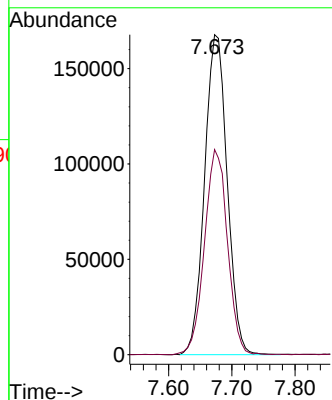
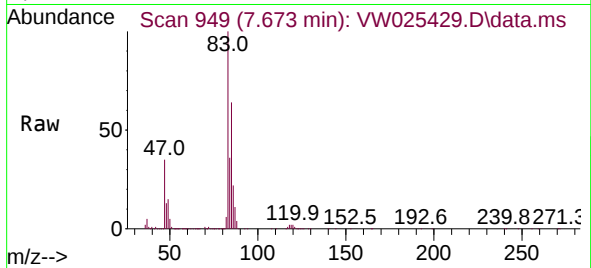




#25
Chloroform
Concen: 24.568 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

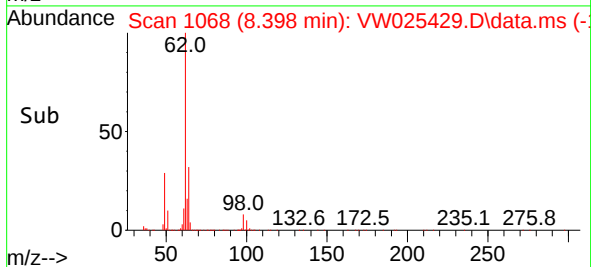
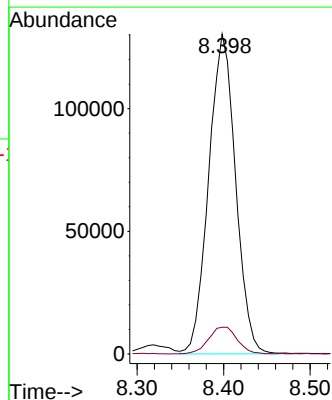
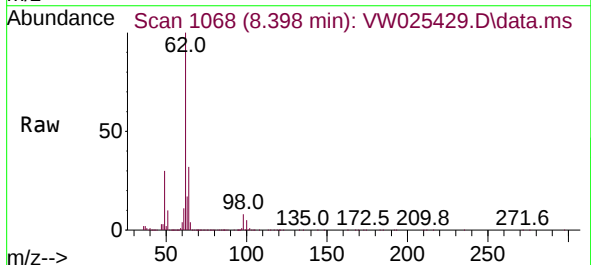
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

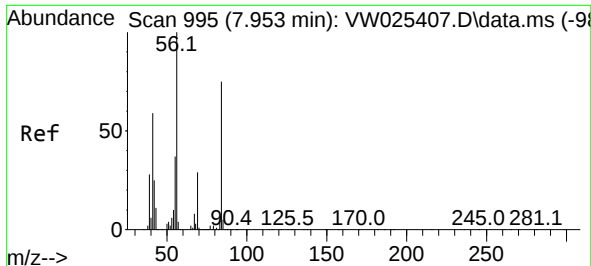
Tgt Ion: 83 Resp: 418247
Ion Ratio Lower Upper
83 100
85 64.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 24.755 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 62 Resp: 281245
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8

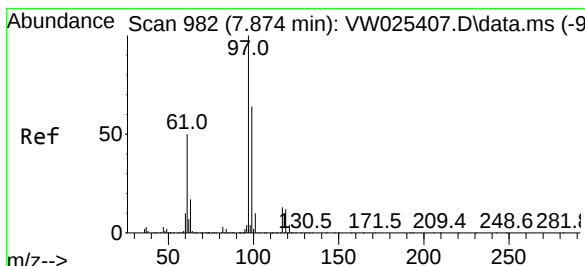
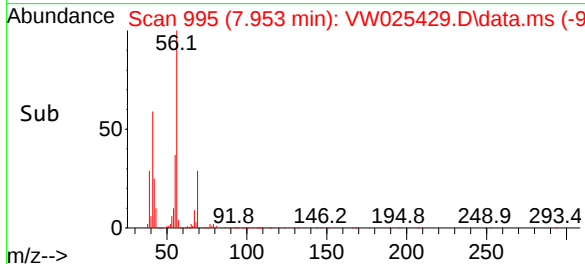
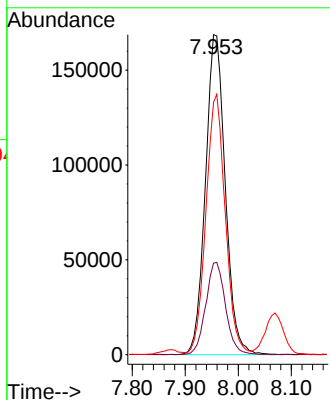
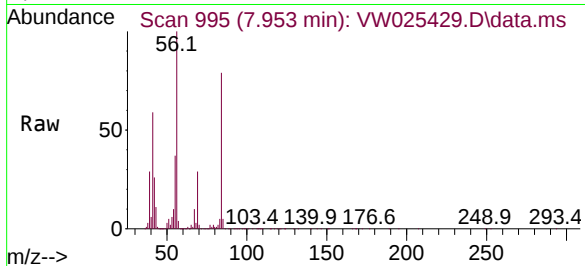




#29
Cyclohexane
Concen: 26.409 ug/L
RT: 7.953 min Scan# 995
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

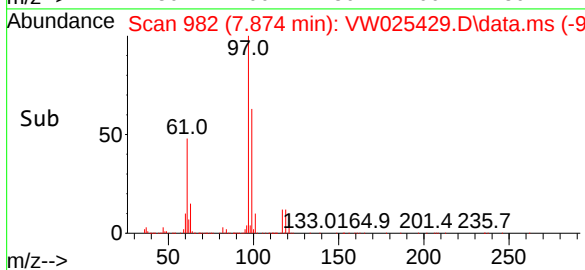
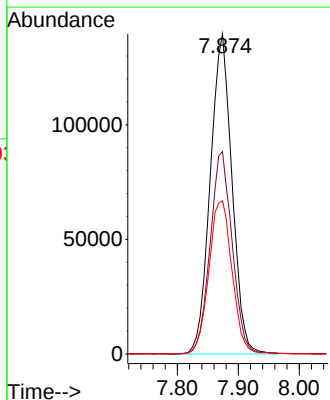
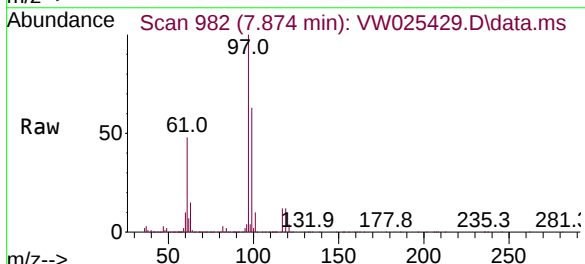
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

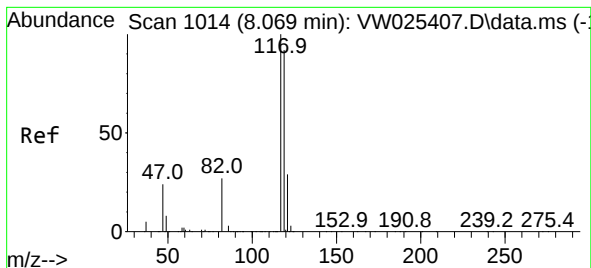
Tgt Ion: 56 Resp: 438421
Ion Ratio Lower Upper
56 100
69 28.8 23.1 34.7
84 79.6 63.9 95.9



#30
1,1,1-Trichloroethane
Concen: 24.745 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 97 Resp: 345961
Ion Ratio Lower Upper
97 100
99 64.2 50.9 76.3
61 50.7 39.8 59.6





#31

Carbon tetrachloride

Concen: 24.279 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

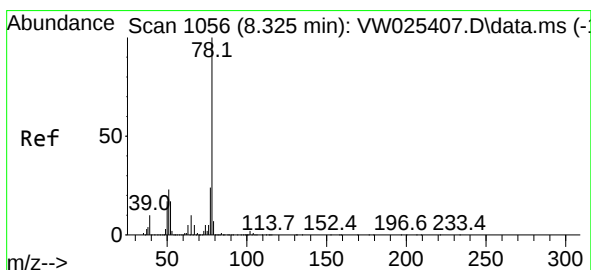
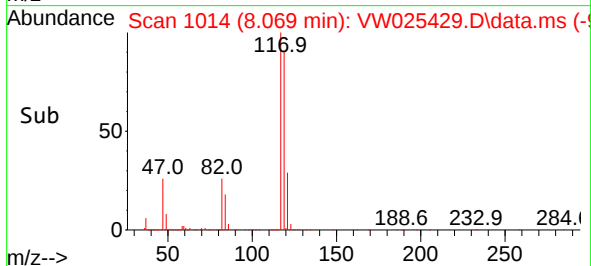
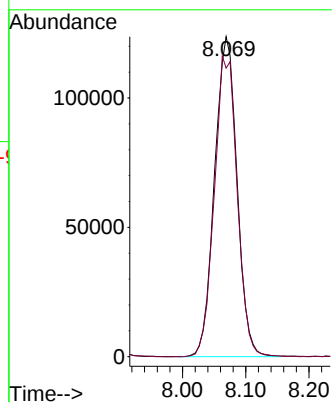
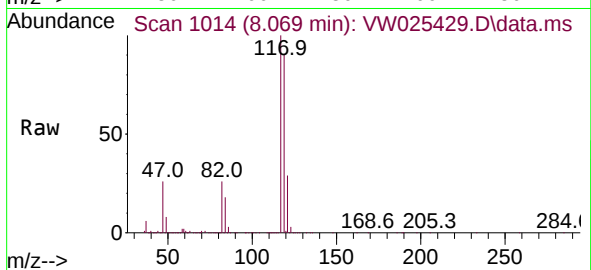
VSTD025552

Tgt Ion:117 Resp: 304263

Ion Ratio Lower Upper

117 100

119 96.0 75.8 113.6



#33

Benzene

Concen: 25.516 ug/L

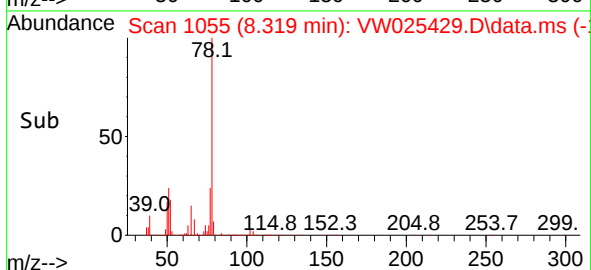
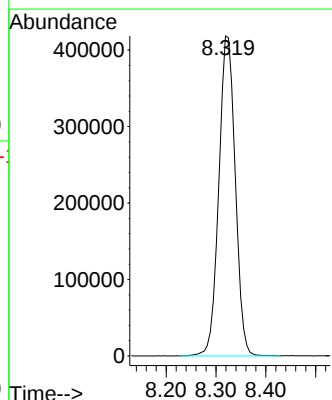
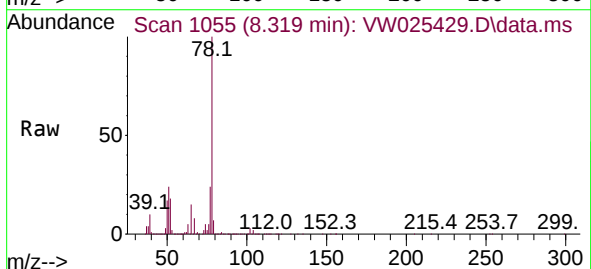
RT: 8.319 min Scan# 1055

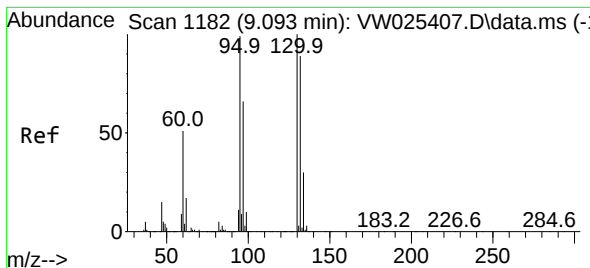
Delta R.T. -0.006 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Tgt Ion: 78 Resp: 959427





#34

Trichloroethene

Concen: 24.385 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD025552

Tgt Ion: 95 Resp: 240659

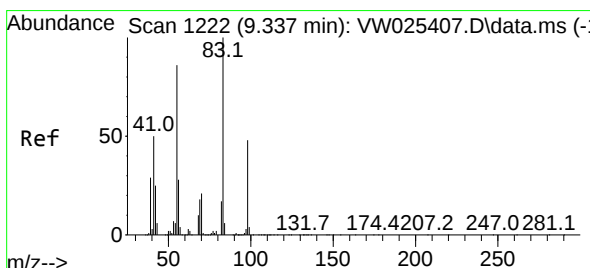
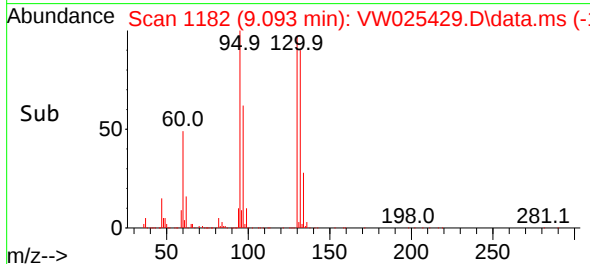
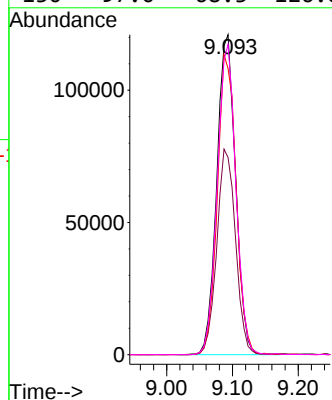
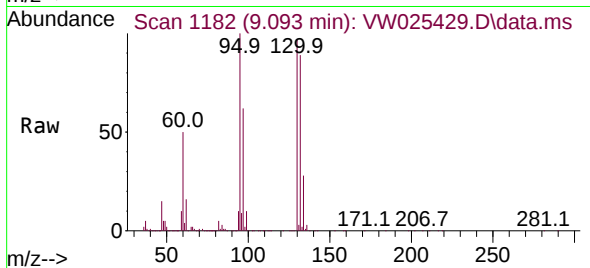
Ion Ratio Lower Upper

95 100

97 61.7 43.8 81.4

132 89.5 65.9 122.3

130 97.0 68.3 126.8



#35

Methylcyclohexane

Concen: 26.017 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

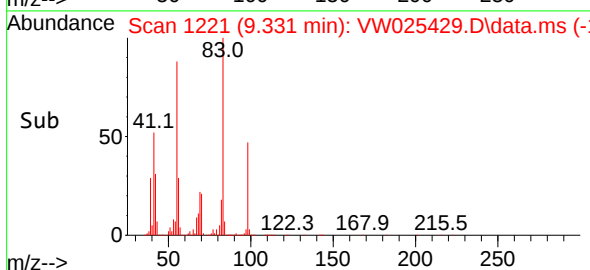
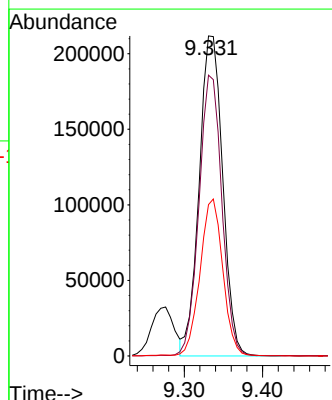
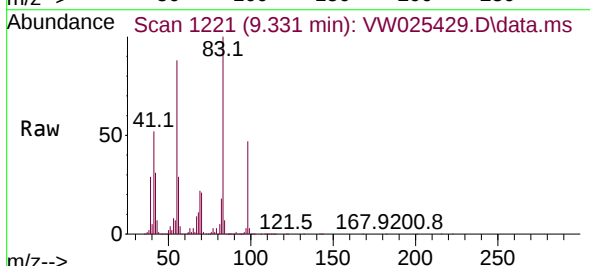
Tgt Ion: 83 Resp: 442302

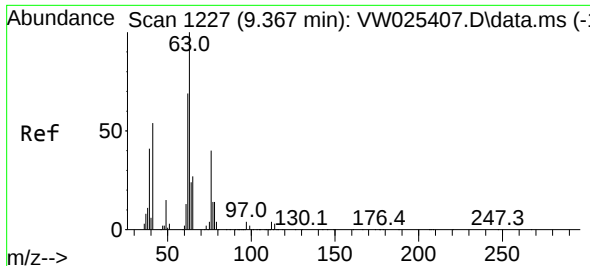
Ion Ratio Lower Upper

83 100

55 85.3 68.2 102.4

98 47.5 39.0 58.4





#37

1,2-Dichloropropane

Concen: 24.839 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

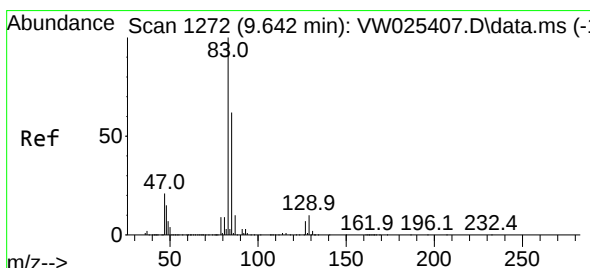
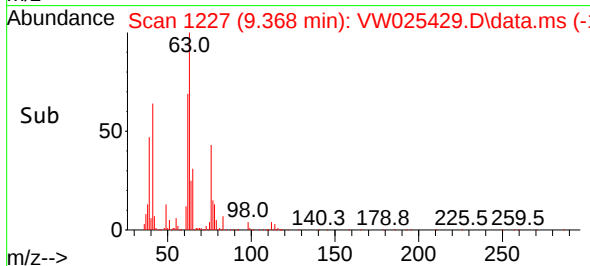
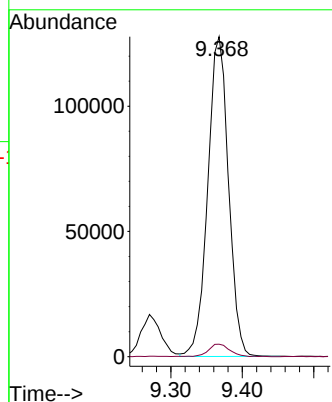
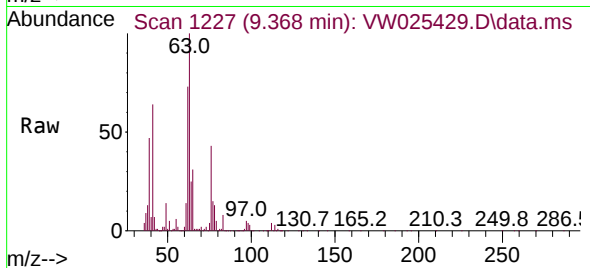
VSTD025552

Tgt Ion: 63 Resp: 257093

Ion Ratio Lower Upper

63 100

112 3.9 3.2 4.8



#38

Bromodichloromethane

Concen: 24.152 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

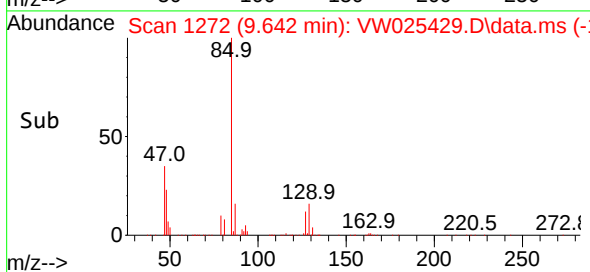
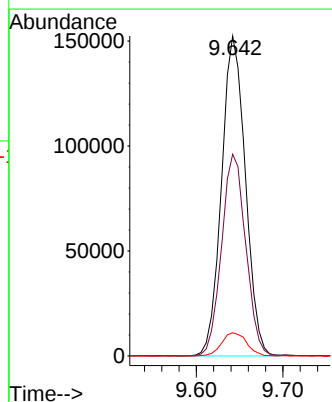
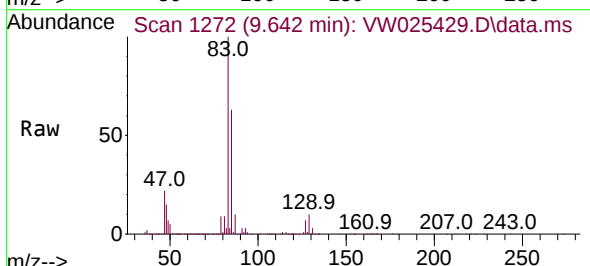
Tgt Ion: 83 Resp: 291536

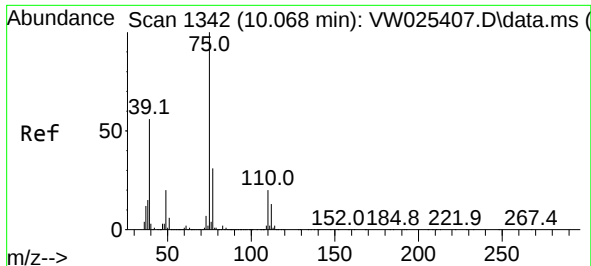
Ion Ratio Lower Upper

83 100

85 63.0 44.7 83.1

127 7.3 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 24.612 ug/L

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

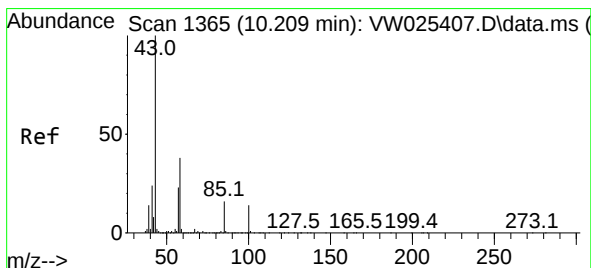
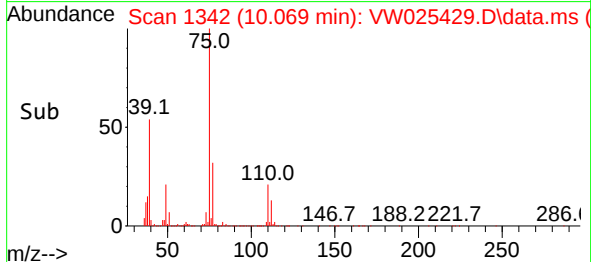
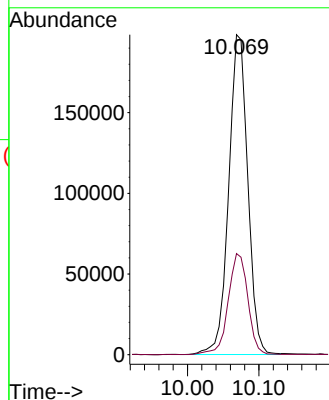
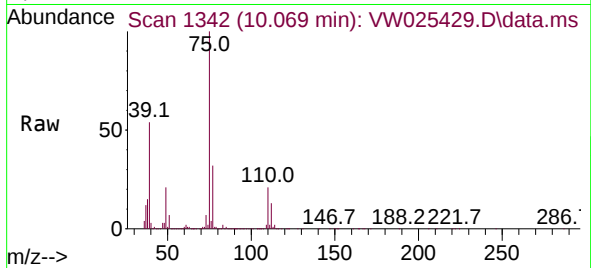
VSTD025552

Tgt Ion: 75 Resp: 366983

Ion Ratio Lower Upper

75 100

77 31.6 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 48.601 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

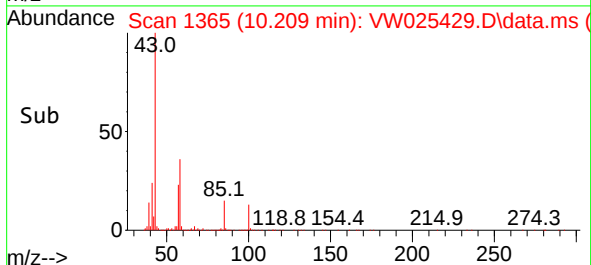
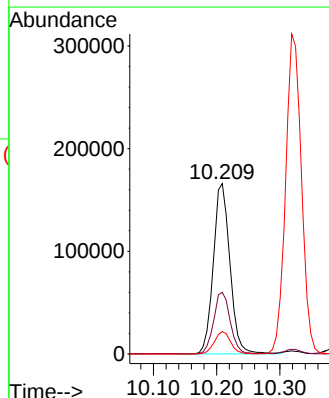
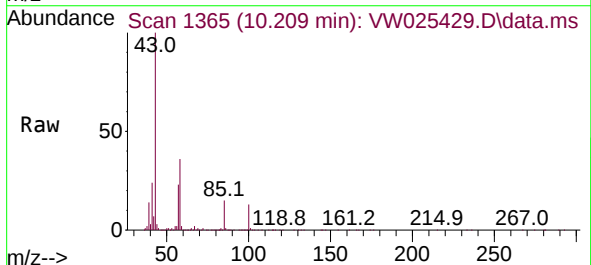
Tgt Ion: 43 Resp: 302339

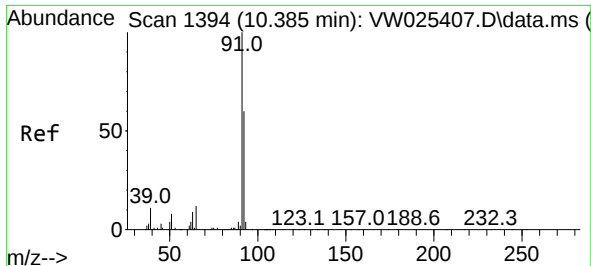
Ion Ratio Lower Upper

43 100

58 36.1 29.6 44.4

100 13.0 10.6 16.0

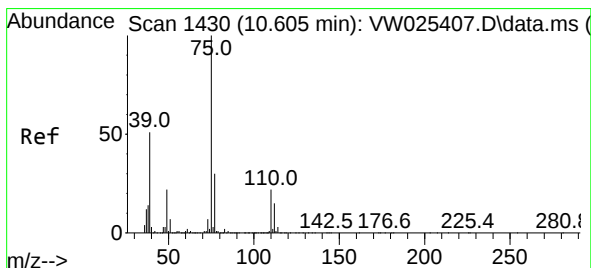
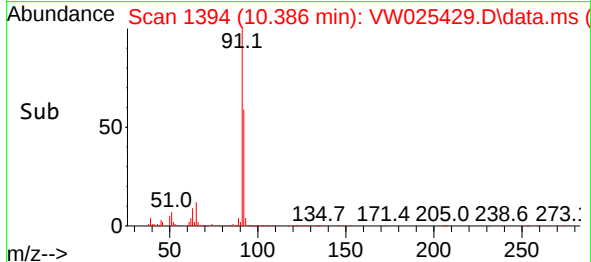
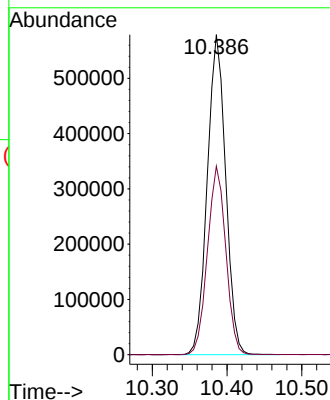
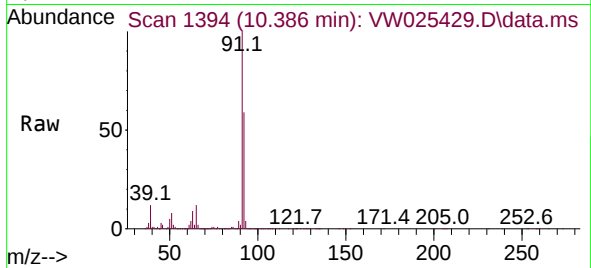




#42
Toluene
Concen: 25.487 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

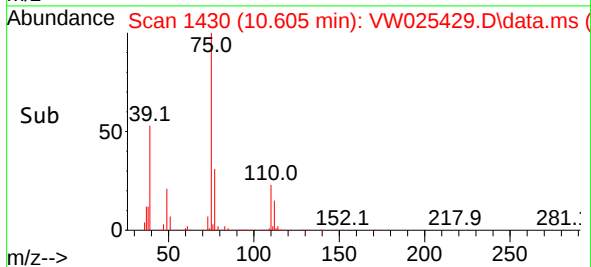
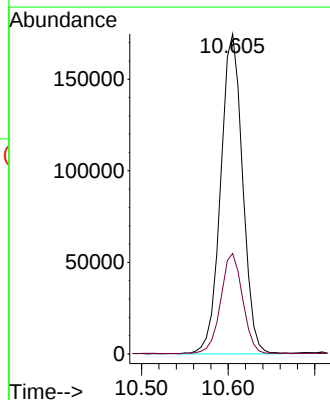
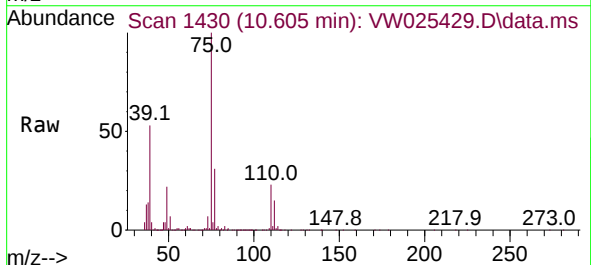
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

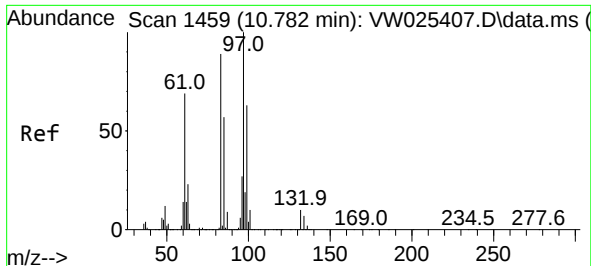
Tgt Ion: 91 Resp: 989496
Ion Ratio Lower Upper
91 100
92 58.9 41.6 77.3



#44
trans-1,3-Dichloropropene
Concen: 24.616 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 75 Resp: 307381
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.3



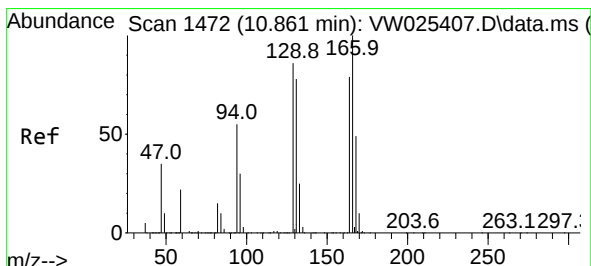
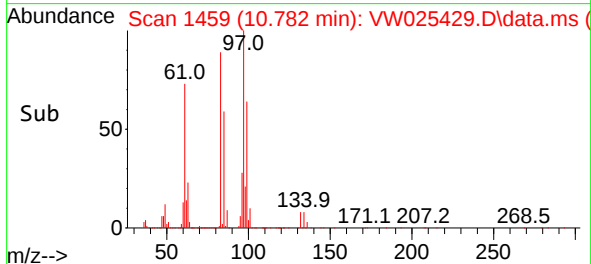
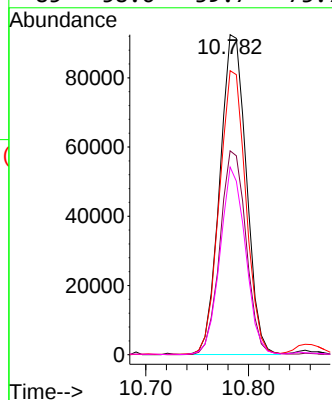
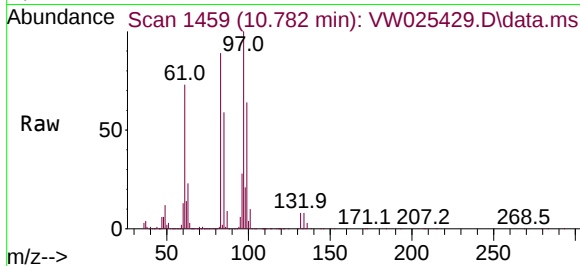


#45
1,1,2-Trichloroethane
Concen: 23.821 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

Tgt Ion: 97 Resp: 165572

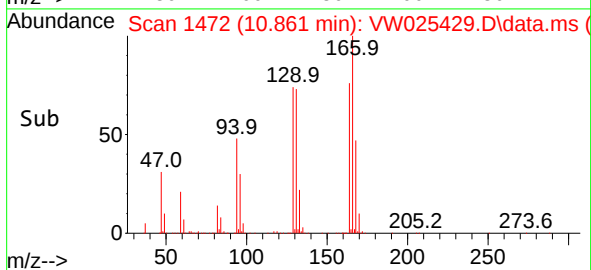
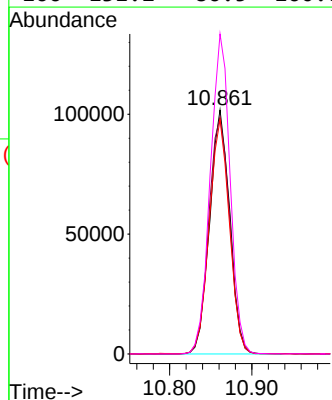
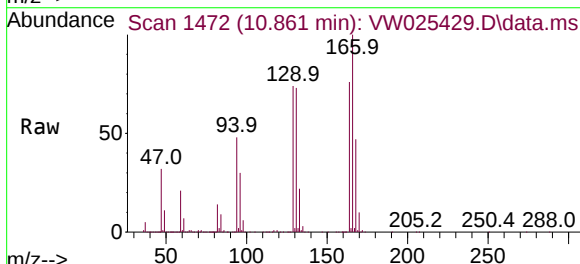
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.6	79.0
83	88.7	60.5	112.3
85	58.6	39.7	73.7

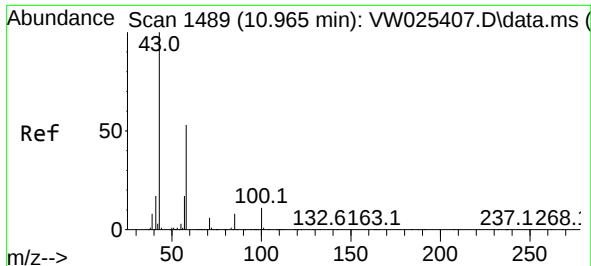


#46
Tetrachloroethene
Concen: 24.679 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 164 Resp: 173295

Ion	Ratio	Lower	Upper
164	100		
129	96.9	67.7	125.7
131	96.1	67.0	124.4
166	131.2	86.5	160.7

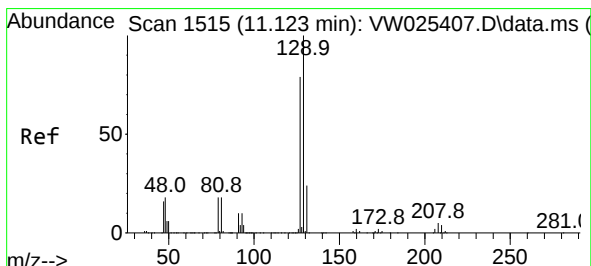
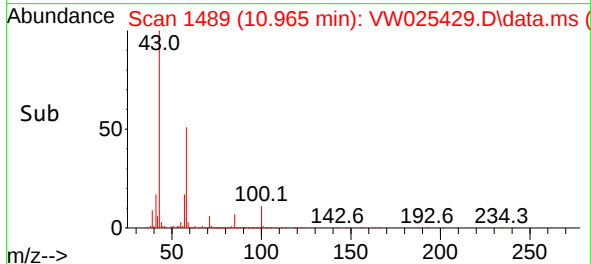
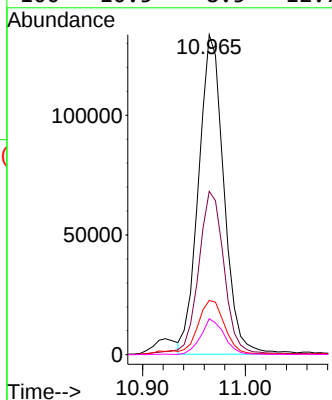
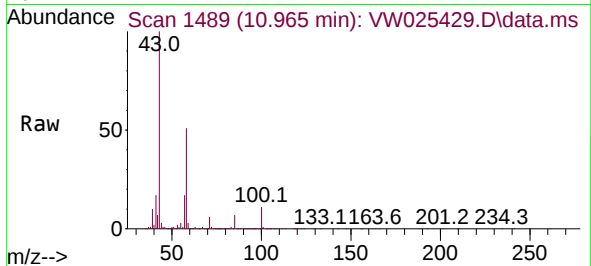




#48
2-Hexanone
Concen: 50.969 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

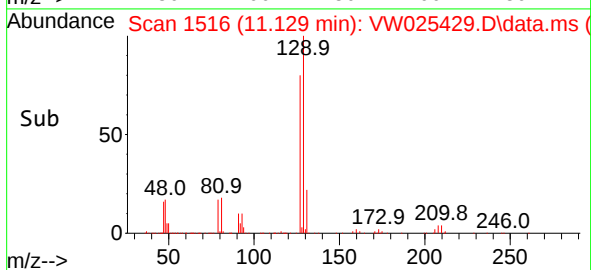
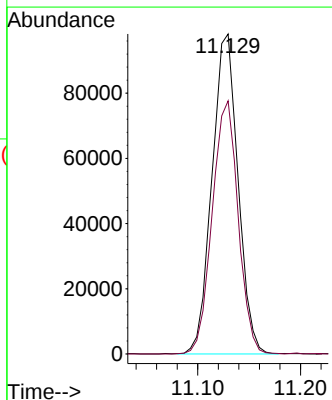
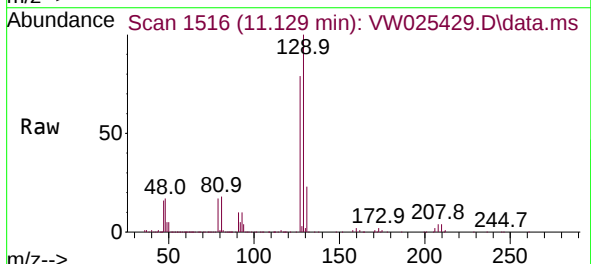
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

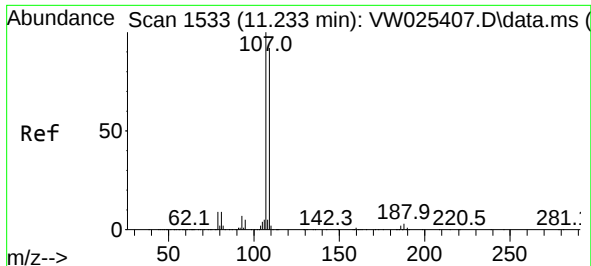
Tgt Ion:	43	Resp:	228118
Ion	Ratio	Lower	Upper
43	100		
58	52.6	41.2	61.8
57	17.9	14.2	21.4
100	10.5	8.5	12.7



#49
Dibromochloromethane
Concen: 23.241 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion:	129	Resp:	172607
Ion	Ratio	Lower	Upper
129	100		
127	79.1	52.8	98.2





#50

1,2-Dibromoethane

Concen: 23.381 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD025552

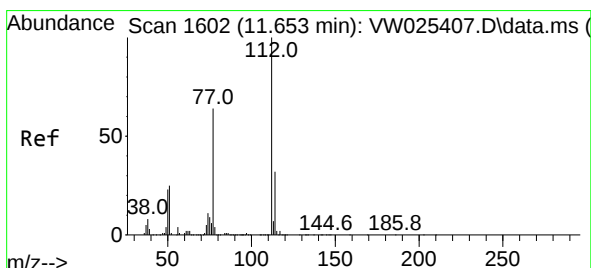
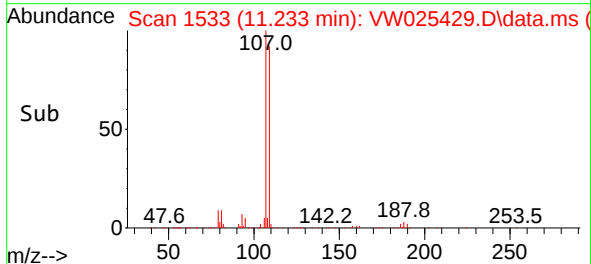
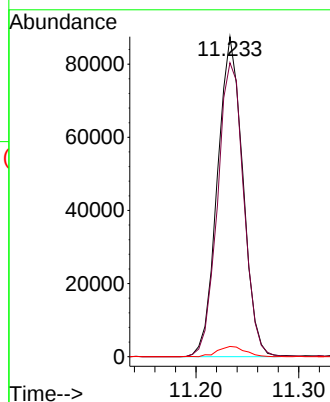
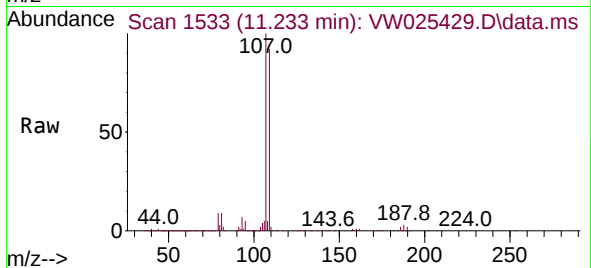
Tgt Ion:107 Resp: 150432

Ion Ratio Lower Upper

107 100

109 91.9 62.9 116.9

188 3.3 3.0 4.4



#51

Chlorobenzene

Concen: 23.735 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

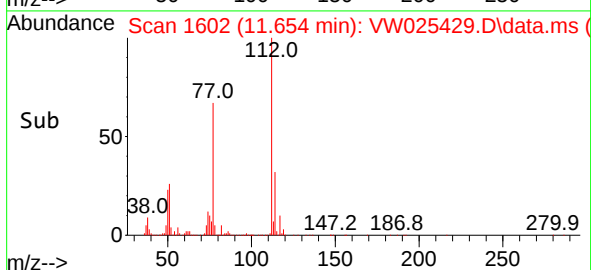
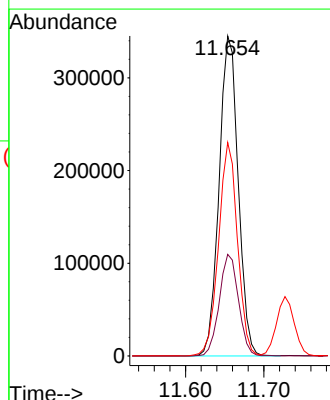
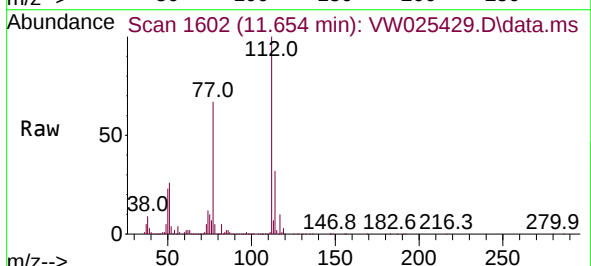
Tgt Ion:112 Resp: 584820

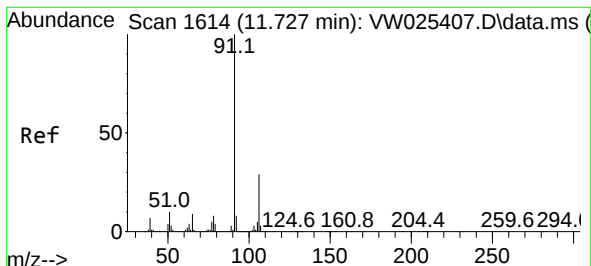
Ion Ratio Lower Upper

112 100

114 31.8 21.9 40.7

77 66.7 51.8 77.8

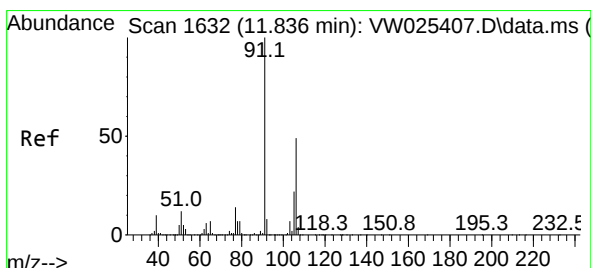
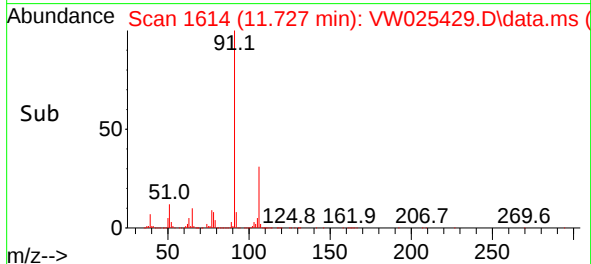
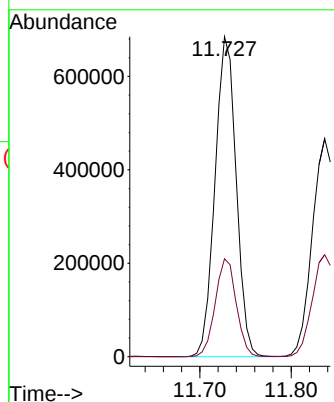
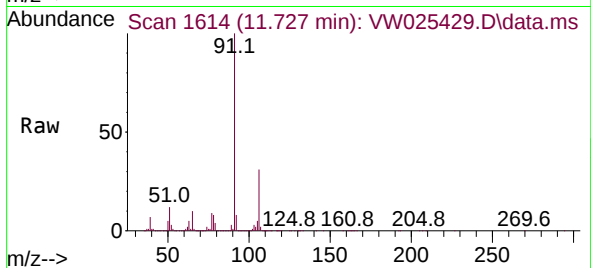




#52
Ethylbenzene
Concen: 24.911 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

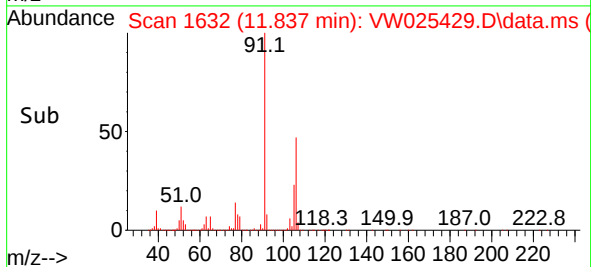
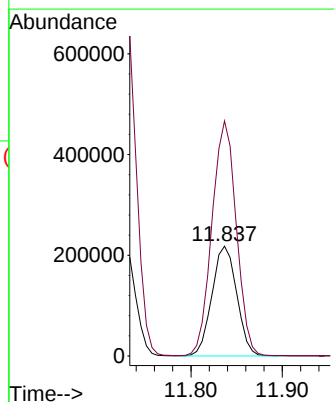
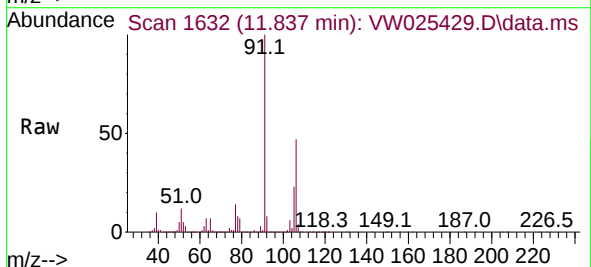
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

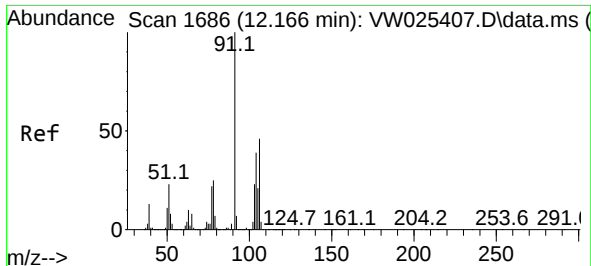
Tgt Ion: 91 Resp: 1102997
Ion Ratio Lower Upper
91 100
106 30.6 22.0 41.0



#53
m,p-Xylene
Concen: 25.146 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion:106 Resp: 410670
Ion Ratio Lower Upper
106 100
91 214.0 144.2 267.8

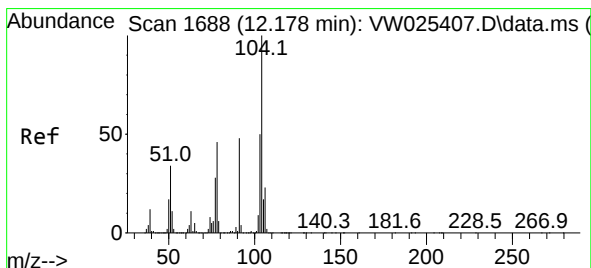
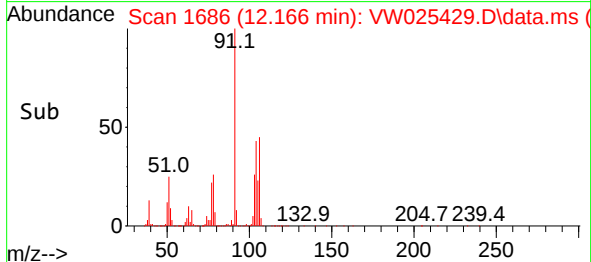
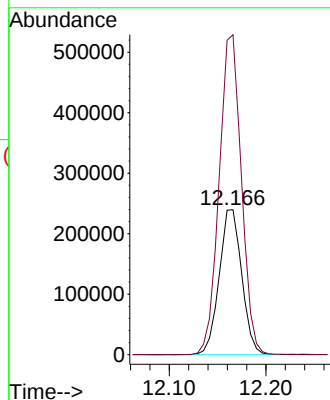
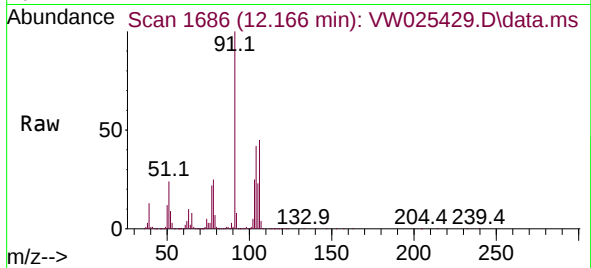




#54
o-Xylene
Concen: 25.216 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

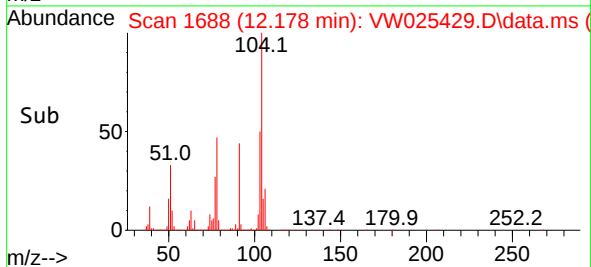
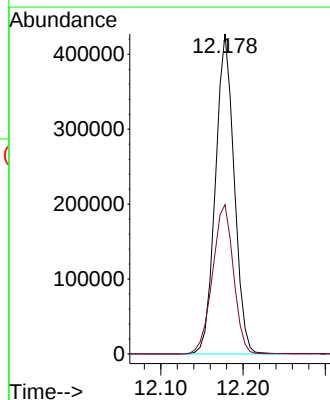
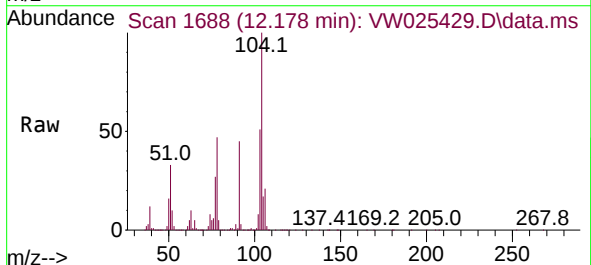
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

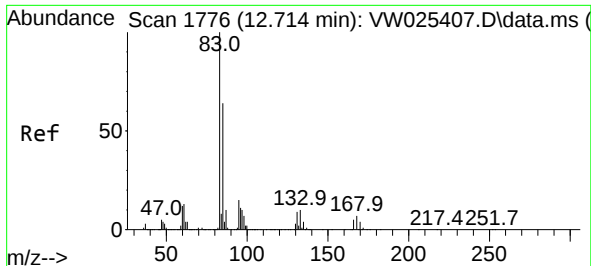
Tgt Ion:106 Resp: 387512
Ion Ratio Lower Upper
106 100
91 220.6 154.6 287.2



#55
Styrene
Concen: 25.743 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion:104 Resp: 675561
Ion Ratio Lower Upper
104 100
78 46.6 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 23.134 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD025552

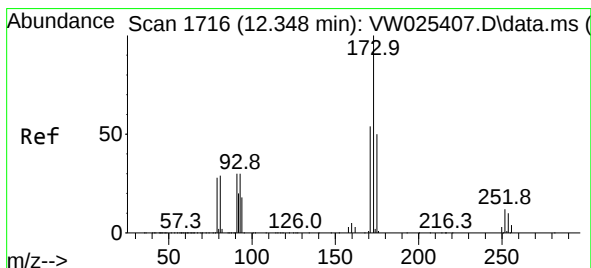
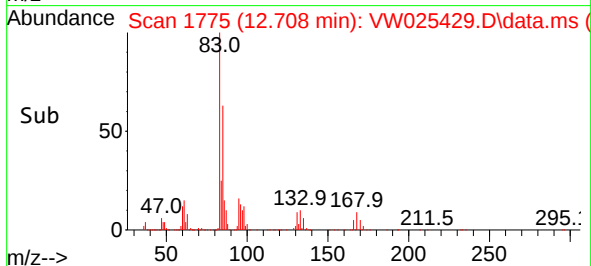
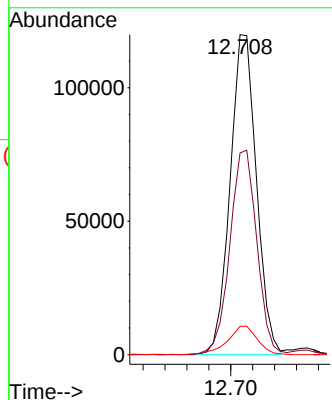
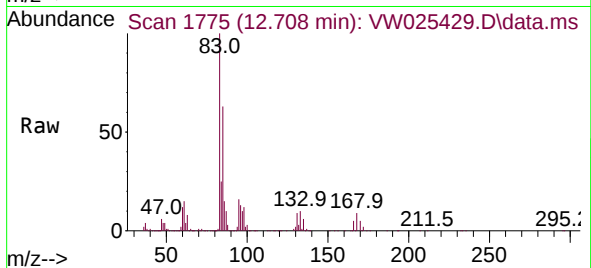
Tgt Ion: 83 Resp: 200019

Ion Ratio Lower Upper

83 100

85 63.0 45.4 84.2

131 8.9 8.0 12.0



#59

Bromoform

Concen: 22.955 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

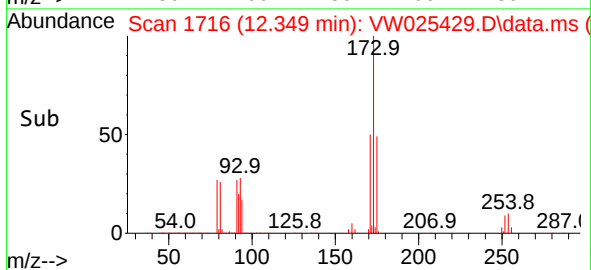
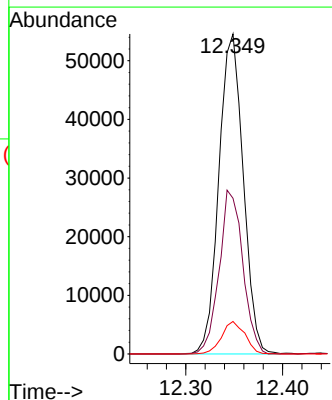
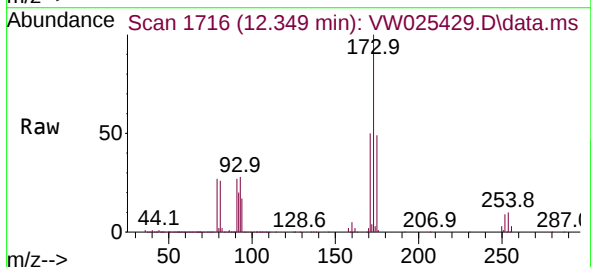
Tgt Ion: 173 Resp: 95289

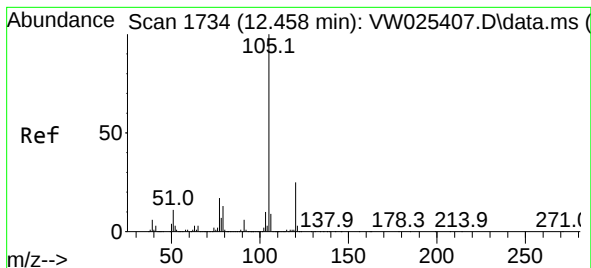
Ion Ratio Lower Upper

173 100

175 49.7 38.6 57.8

254 9.7 7.9 11.9

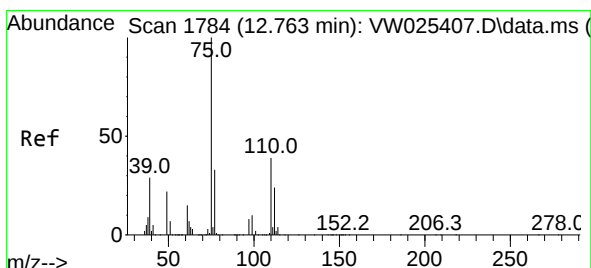
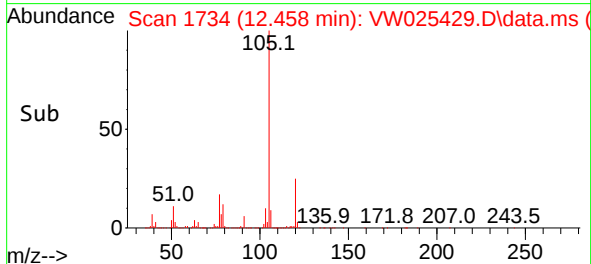
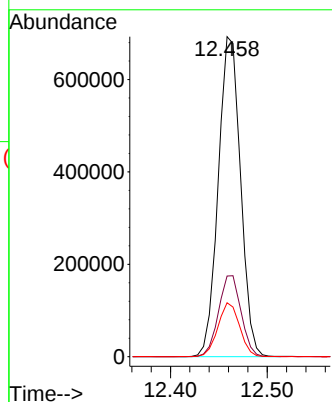
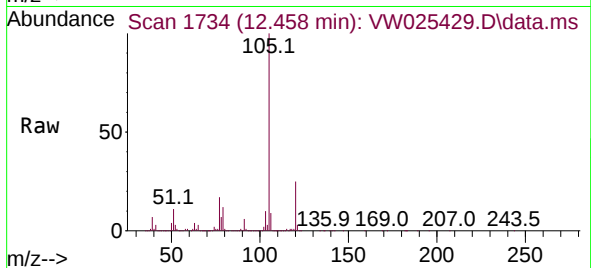




#60
Isopropylbenzene
Concen: 25.796 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

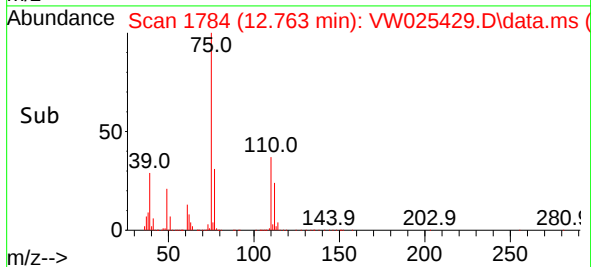
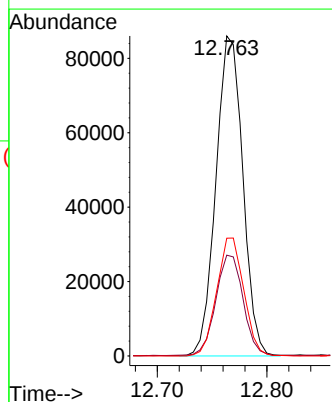
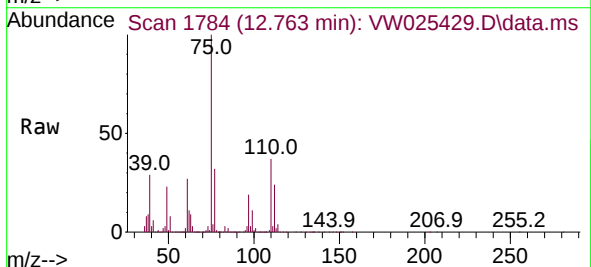
Instrument :
MSVOA_W
ClientSampleId :
VSTD025552

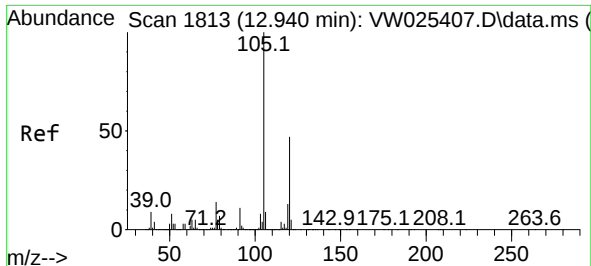
Tgt Ion:105 Resp: 1106391
Ion Ratio Lower Upper
105 100
120 25.7 20.9 31.3
77 16.4 13.1 19.7



#61
1,2,3-Trichloropropane
Concen: 23.391 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW025429.D
Acq: 20 Mar 2023 08:54

Tgt Ion: 75 Resp: 146628
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
110 37.1 28.9 43.3

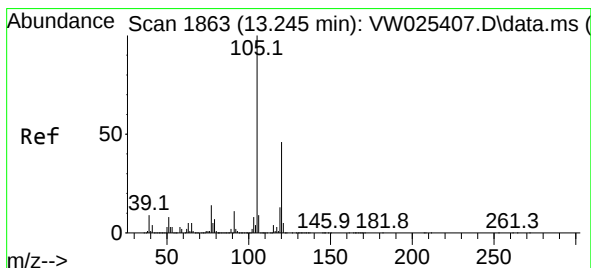
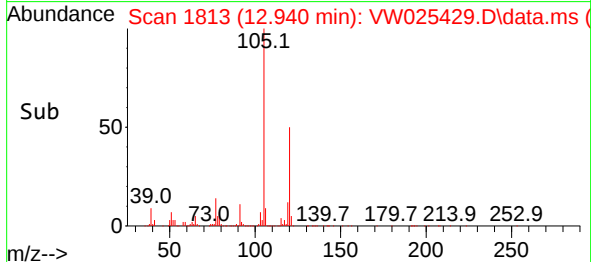
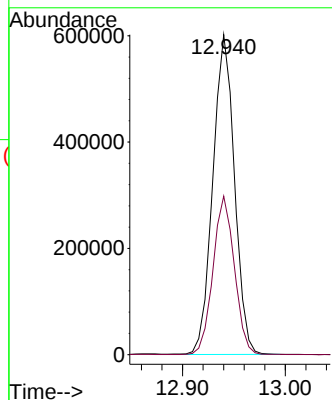
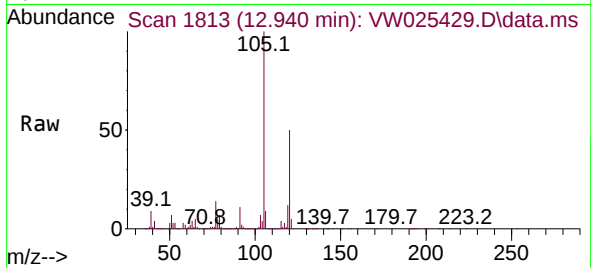




#62
 1,3,5-Trimethylbenzene
 Concen: 25.867 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

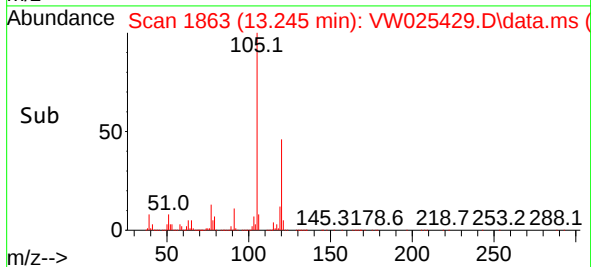
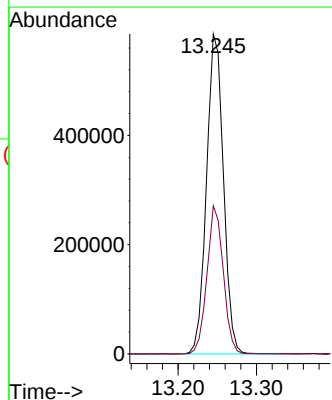
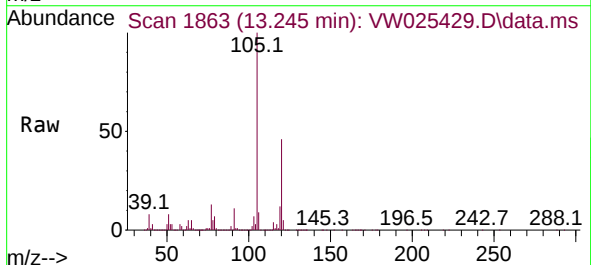
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025552

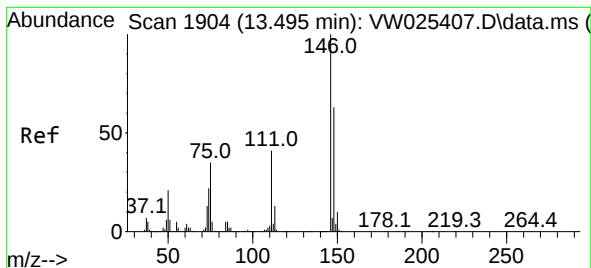
Tgt Ion:105 Resp: 878681
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.3 58.9



#63
 1,2,4-Trimethylbenzene
 Concen: 26.153 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

Tgt Ion:105 Resp: 875187
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 24.733 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD025552

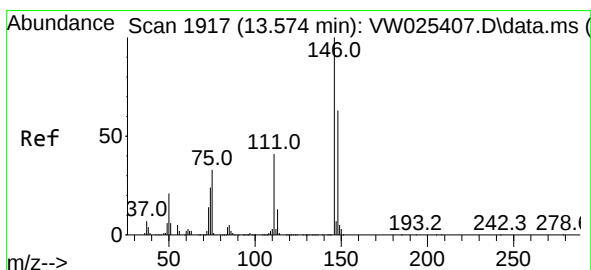
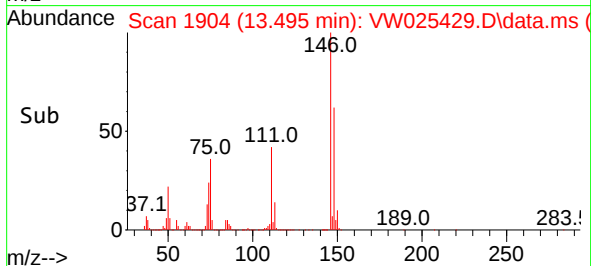
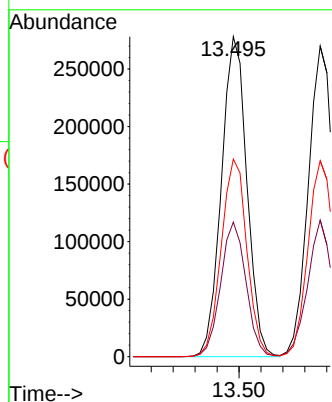
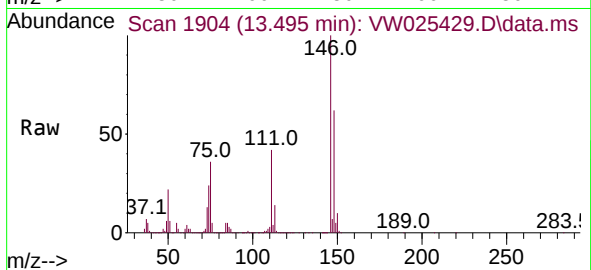
Tgt Ion:146 Resp: 449494

Ion Ratio Lower Upper

146 100

111 42.0 29.7 55.1

148 61.8 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 23.287 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

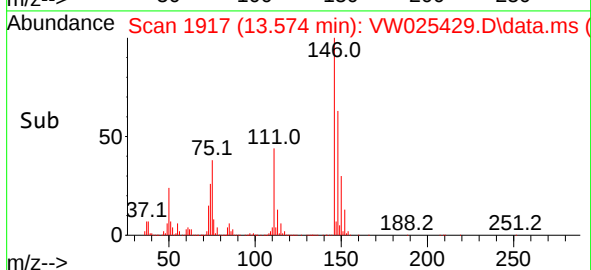
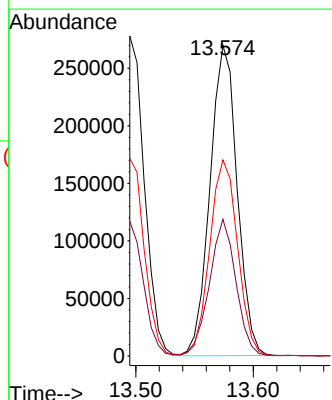
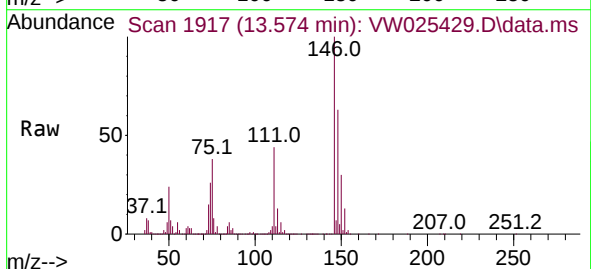
Tgt Ion:146 Resp: 434118

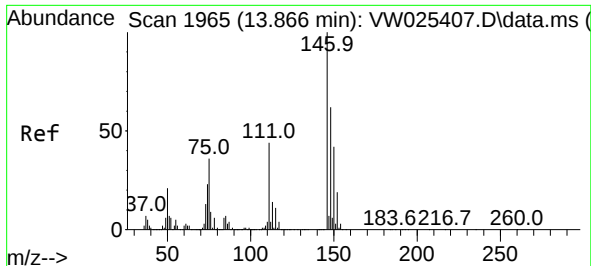
Ion Ratio Lower Upper

146 100

111 44.0 28.2 52.4

148 63.0 39.8 73.8





#67

1,2-Dichlorobenzene

Concen: 24.460 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD025552

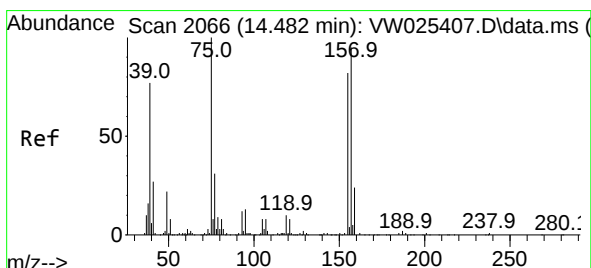
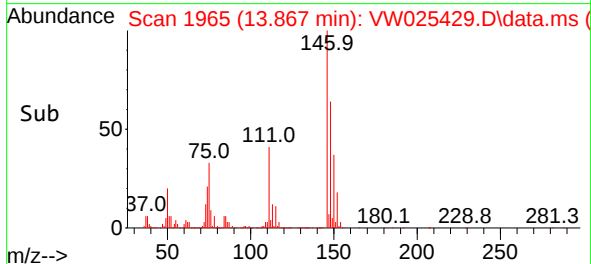
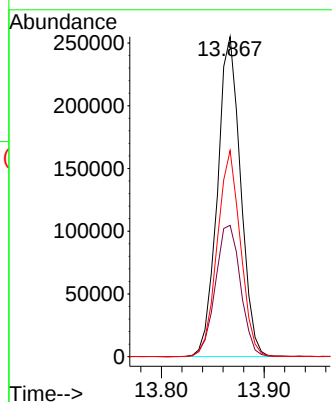
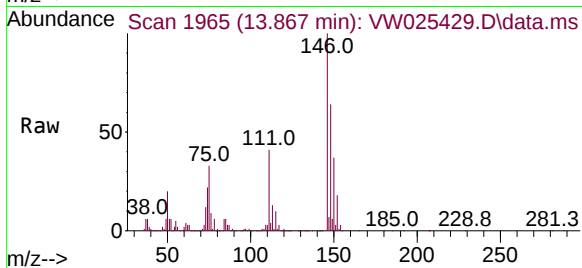
Tgt Ion:146 Resp: 398703

Ion Ratio Lower Upper

146 100

111 41.1 36.6 54.8

148 64.4 53.4 80.2



#68

1,2-Dibromo-3-chloropropane

Concen: 22.055 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

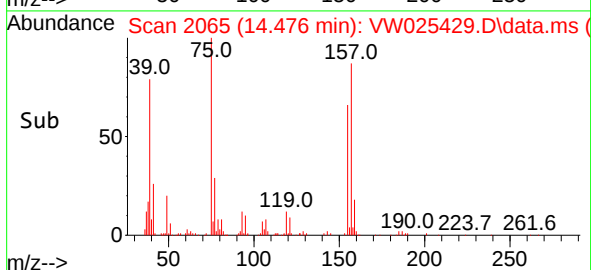
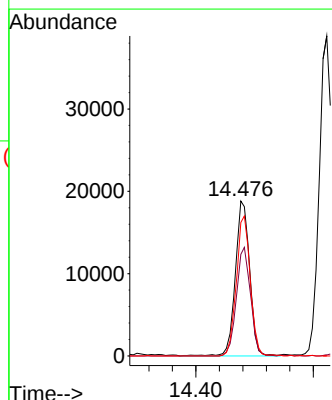
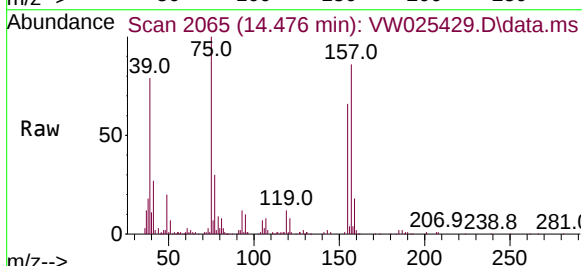
Tgt Ion: 75 Resp: 32007

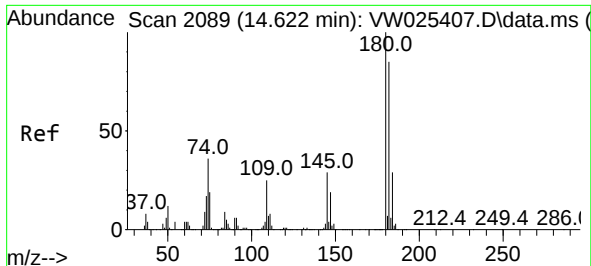
Ion Ratio Lower Upper

75 100

155 65.6 55.4 83.0

157 86.2 75.3 112.9

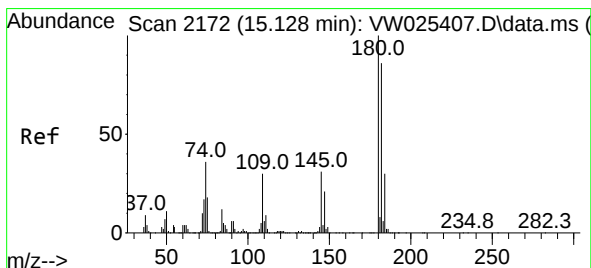
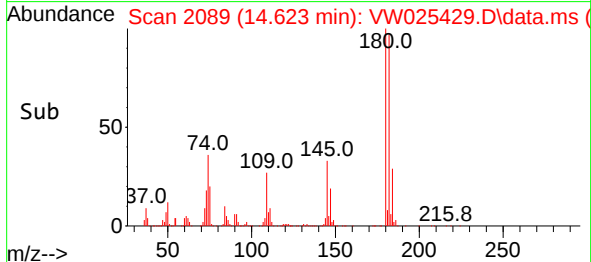
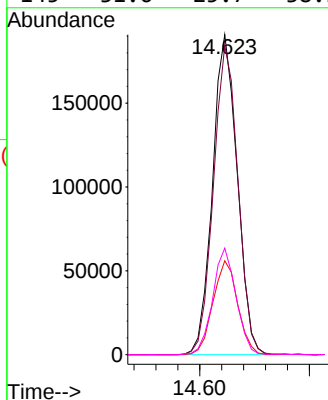
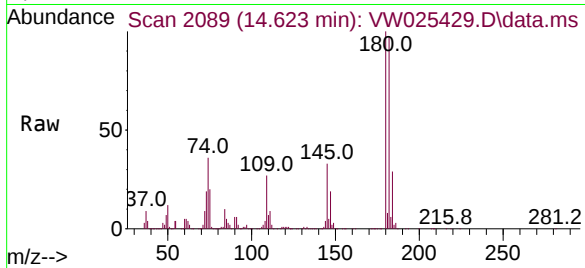




#69
 1,3,5-Trichlorobenzene
 Concen: 24.124 ug/L
 RT: 14.623 min Scan# 2089
 Delta R.T. 0.000 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

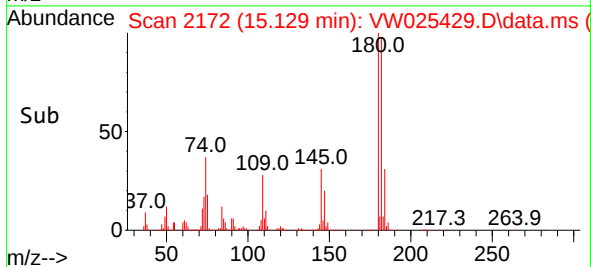
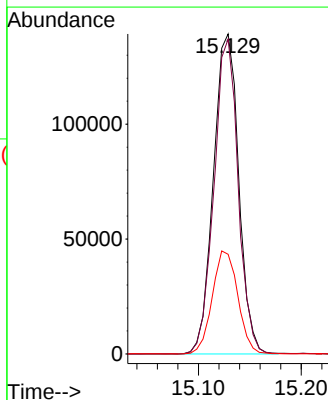
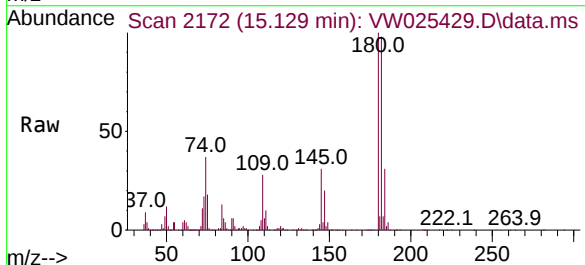
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025552

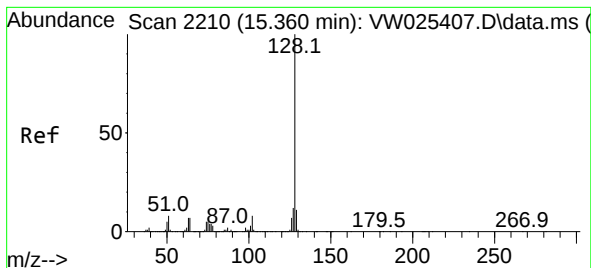
Tgt Ion:	180	Resp:	298033
Ion Ratio	Lower	Upper	
180	100		
182	96.0	77.1	115.7
184	29.4	24.7	37.1
145	31.6	25.7	38.5



#70
 1,2,4-trichlorobenzene
 Concen: 23.176 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.000 min
 Lab File: VW025429.D
 Acq: 20 Mar 2023 08:54

Tgt Ion:	180	Resp:	237403
Ion Ratio	Lower	Upper	
180	100		
182	94.2	75.5	113.3
145	32.7	25.2	37.8





#71

Naphthalene

Concen: 23.549 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD025552

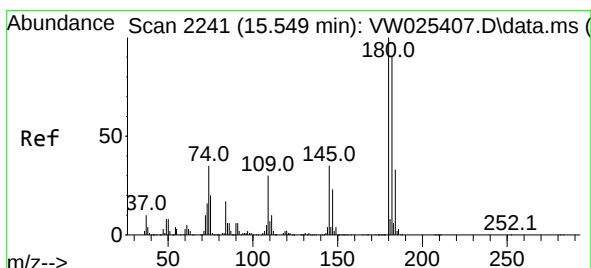
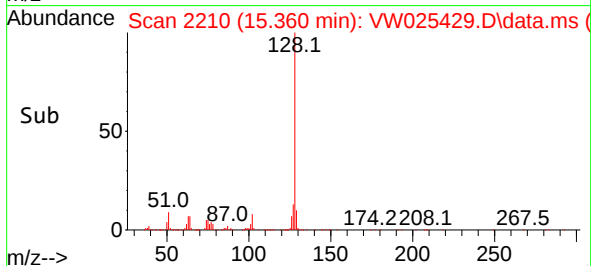
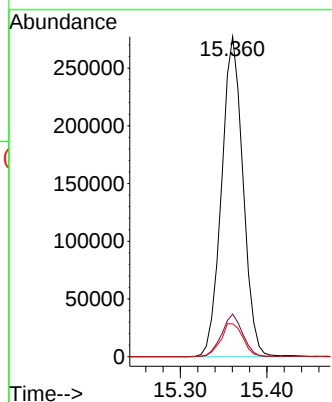
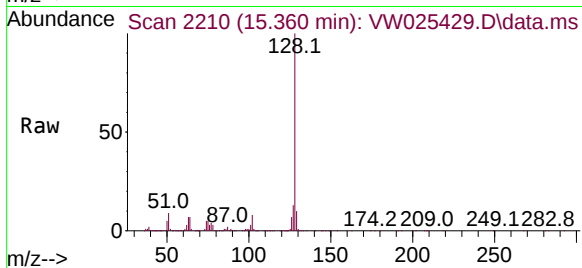
Tgt Ion:128 Resp: 476154

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 23.600 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW025429.D

Acq: 20 Mar 2023 08:54

Tgt Ion:180 Resp: 217130

Ion Ratio Lower Upper

180 100

182 92.6 76.6 114.8

145 32.9 27.7 41.5

