

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051923\
 Data File : VW026015.D
 Acq On : 19 May 2023 19:16
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025494

Quant Time: May 20 05:11:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 20 04:57:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	586773	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	528716	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	269099	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	134358	16.159	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.640%
7) Chloroethane-d5	2.899	69	124609	20.214	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.840%
11) 1,1-Dichloroethene-d2	4.027	65	70297	16.884	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.520%
21) 2-Butanone-d5	7.075	46	133225	48.466	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.940%
24) Chloroform-d	7.648	84	355887	21.034	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.120%
26) 1,2-Dichloroethane-d4	8.301	65	195465	20.430	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.720%
32) Benzene-d6	8.270	84	687925	19.912	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.640%
36) 1,2-Dichloropropane-d6	9.270	67	227690	20.599	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.400%
41) Toluene-d8	10.319	98	586911	19.052	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.200%
43) trans-1,3-Dichloroprop...	10.575	79	82038	18.310	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.240%
47) 2-Hexanone-d5	10.922	63	92971	49.325	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.660%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	198967	23.617	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.480%
66) 1,2-Dichlorobenzene-d4	13.848	152	201000	20.490	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	132376	20.193	ug/L	99
3) Chloromethane	2.223	50	221834	22.950	ug/L	100
5) Vinyl chloride	2.375	62	219129	21.903	ug/L	99
6) Bromomethane	2.783	94	127415	23.416	ug/L	97
8) Chloroethane	2.930	64	140462	24.691	ug/L	100
9) Trichlorofluoromethane	3.265	101	146063	19.345	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	85152	10.370	ug/L	# 2
12) 1,1-Dichloroethene	4.045	96	175023	22.303	ug/L	94
13) Acetone	4.119	43	91902	37.705	ug/L	100
14) Carbon disulfide	4.393	76	546947	20.609	ug/L	99
15) Methyl Acetate	4.667	43	119364	24.851	ug/L	99
16) Methylene chloride	4.917	84	221137	18.274	ug/L	92
17) trans-1,2-Dichloroethene	5.423	96	194753	22.749	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	312851	24.078	ug/L	99
19) 1,1-Dichloroethane	6.216	63	425926	24.215	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	216436	23.565	ug/L	98
22) 2-Butanone	7.167	43	146498	43.528	ug/L	96
23) Bromochloromethane	7.514	128	91588	23.538	ug/L	95
25) Chloroform	7.673	83	397606	24.595	ug/L	98

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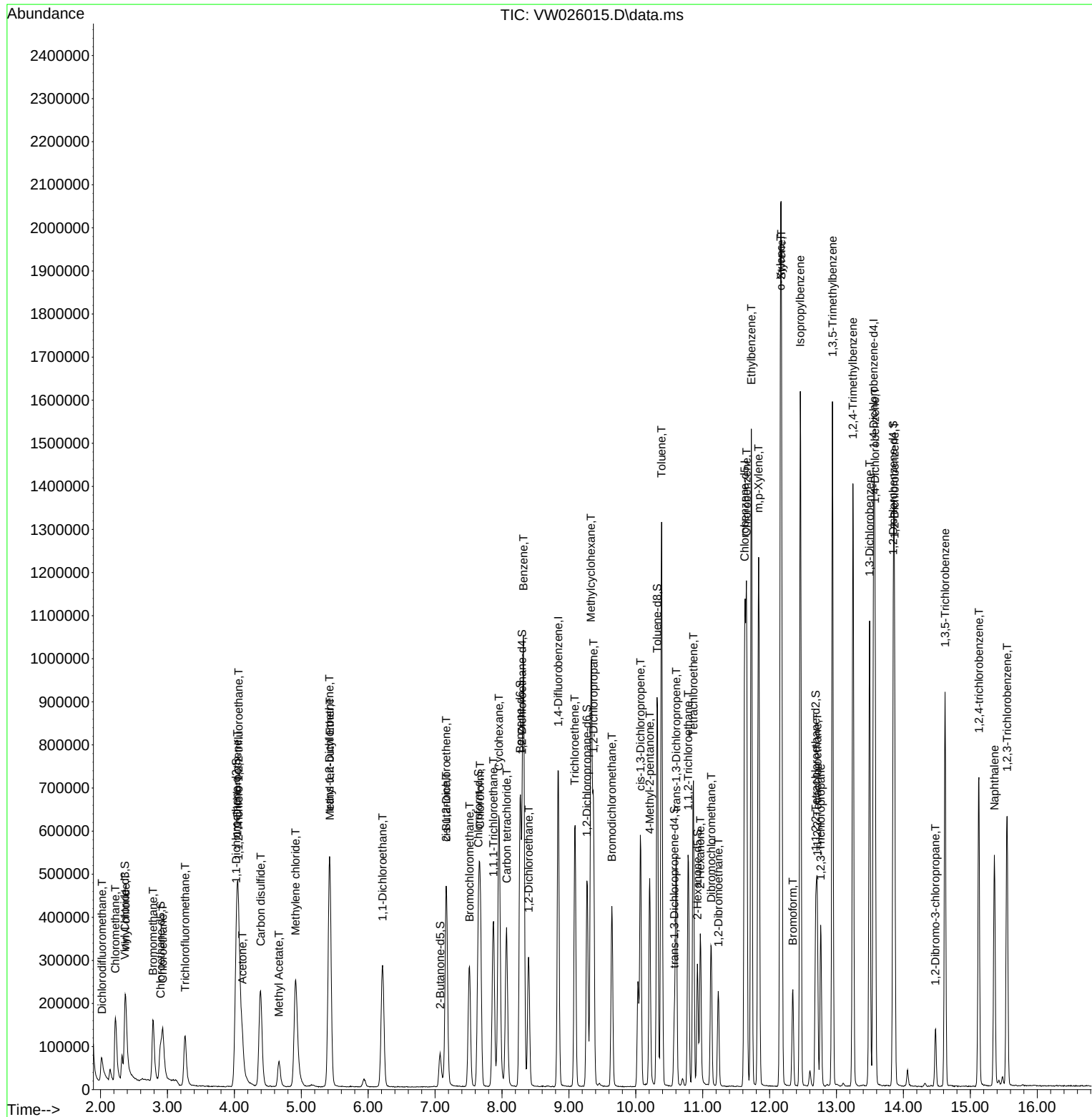
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	273223	23.798	ug/L	99
29) Cyclohexane	7.953	56	367158	22.409	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	309343	23.924	ug/L	99
31) Carbon tetrachloride	8.069	117	275288	23.657	ug/L	100
33) Benzene	8.319	78	884253	24.174	ug/L	100
34) Trichloroethene	9.087	95	219200	23.353	ug/L	96
35) Methylcyclohexane	9.331	83	377550	22.615	ug/L	100
37) 1,2-Dichloropropane	9.368	63	244133	24.360	ug/L	100
38) Bromodichloromethane	9.642	83	278963	24.262	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	329185	22.398	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	335767	51.472	ug/L	100
42) Toluene	10.386	91	909552	24.335	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	282101	23.165	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	167295	24.955	ug/L	98
46) Tetrachloroethene	10.861	164	151009	22.868	ug/L	97
48) 2-Hexanone	10.965	43	232994	49.858	ug/L	99
49) Dibromochloromethane	11.129	129	171419	24.698	ug/L	93
50) 1,2-Dibromoethane	11.233	107	150789	24.399	ug/L	89
51) Chlorobenzene	11.654	112	548650	23.696	ug/L	97
52) Ethylbenzene	11.727	91	1016733	24.183	ug/L	99
53) m,p-Xylene	11.837	106	374509	24.203	ug/L	93
54) o-Xylene	12.166	106	357129	24.486	ug/L	92
55) Styrene	12.178	104	622183	24.924	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.715	83	211257	25.255	ug/L	98
59) Bromoform	12.349	173	98812	24.790	ug/L	100
60) Isopropylbenzene	12.458	105	987499	24.142	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	153892	24.198	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	788542	24.339	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	716718	23.973	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	391403	22.228	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	413528	23.245	ug/L	94
67) 1,2-Dichlorobenzene	13.867	146	368152	23.444	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.476	75	34761	23.571	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	252519	21.604	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	202247	20.654	ug/L	93
71) Naphthalene	15.360	128	442269	23.930	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	203588	23.432	ug/L	97

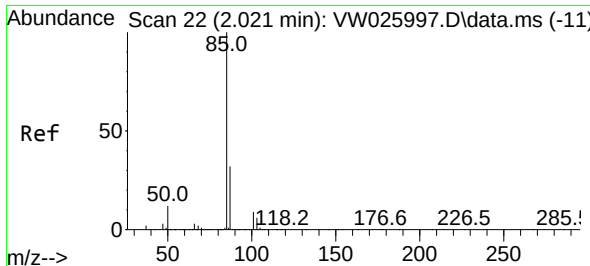
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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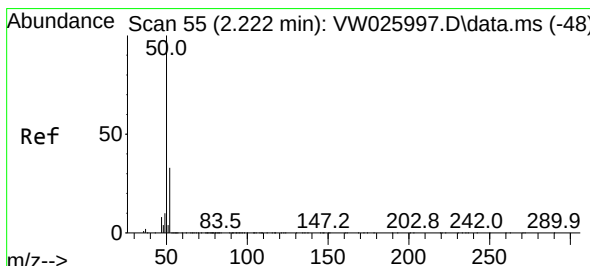
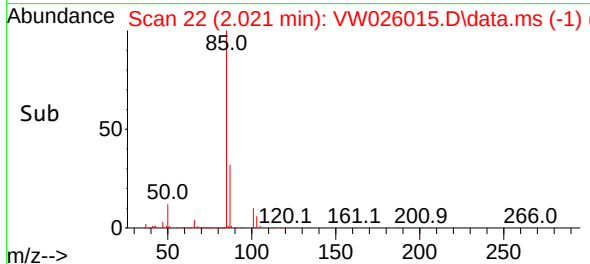
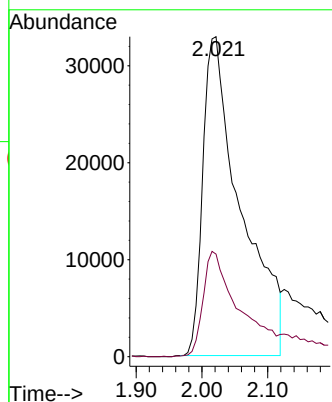
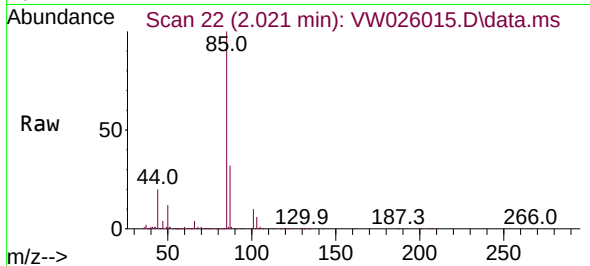




#2
Dichlorodifluoromethane
Concen: 20.193 ug/L
RT: 2.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

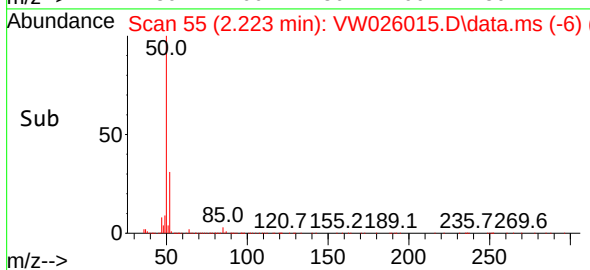
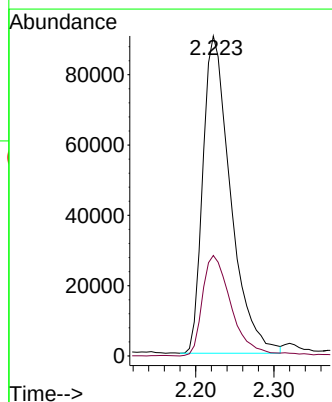
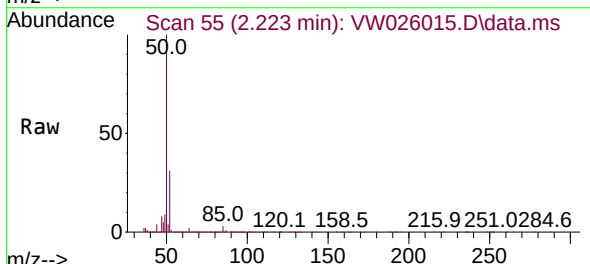
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

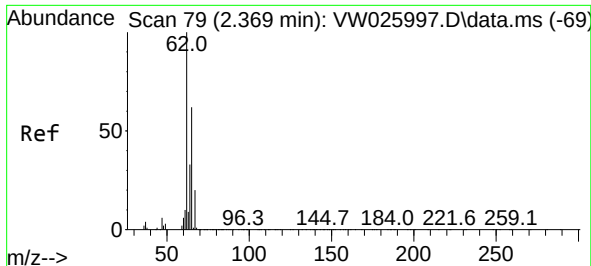
Tgt Ion: 85 Resp: 132376
Ion Ratio Lower Upper
85 100
87 31.4 24.7 37.1



#3
Chloromethane
Concen: 22.950 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt Ion: 50 Resp: 221834
Ion Ratio Lower Upper
50 100
52 31.4 22.1 41.1

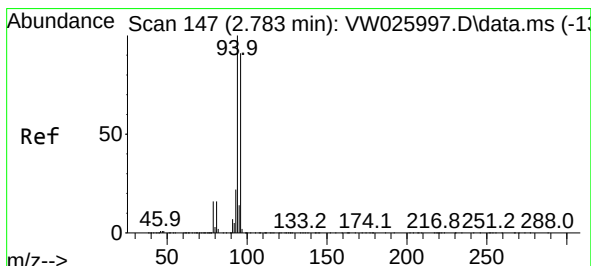
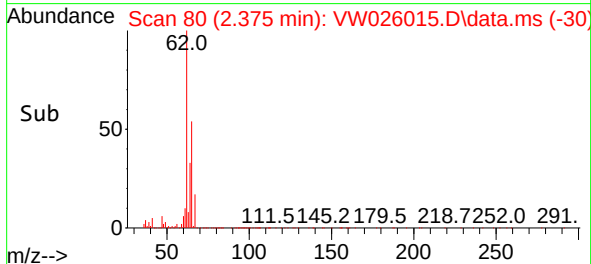
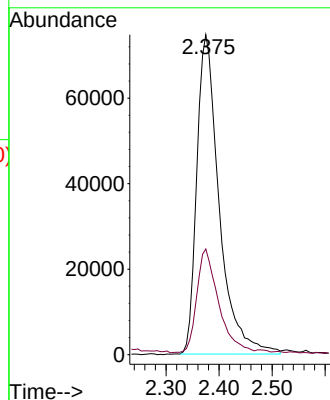
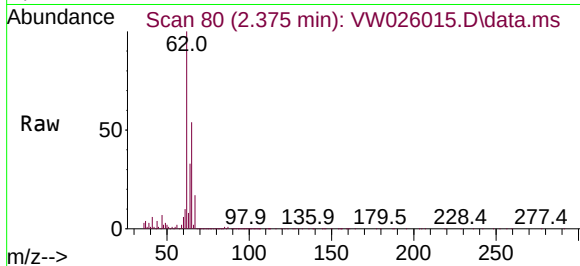




#5
 Vinyl chloride
 Concen: 21.903 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW026015.D
 Acq: 19 May 2023 19:16

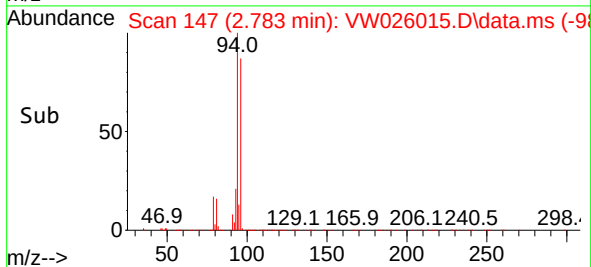
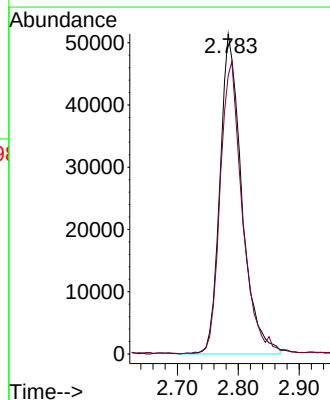
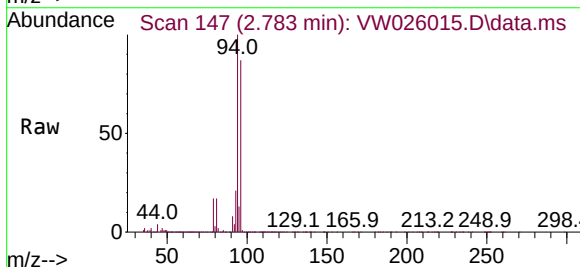
Instrument :
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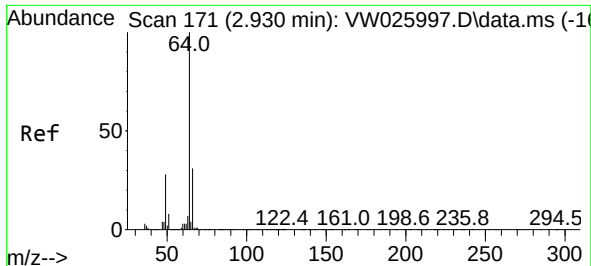
Tgt Ion: 62 Resp: 219129
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.7 42.3



#6
 Bromomethane
 Concen: 23.416 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VW026015.D
 Acq: 19 May 2023 19:16

Tgt Ion: 94 Resp: 127415
 Ion Ratio Lower Upper
 94 100
 96 87.0 63.1 117.1

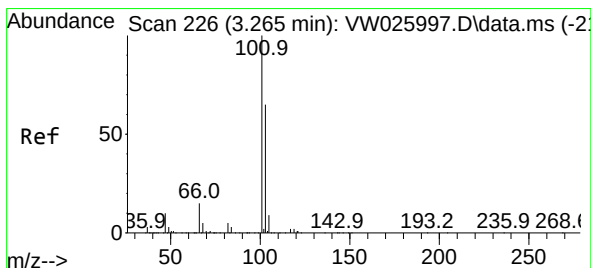
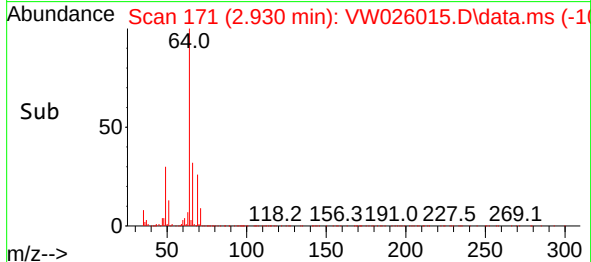
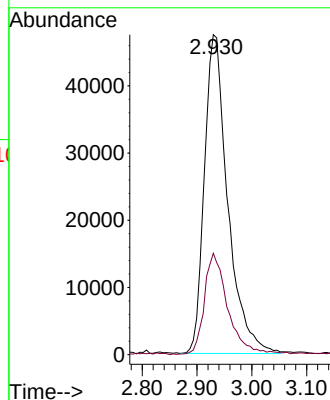
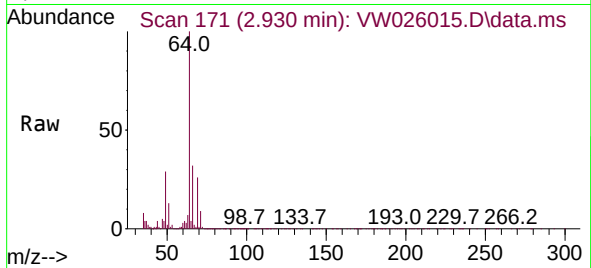




#8
Chloroethane
Concen: 24.691 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

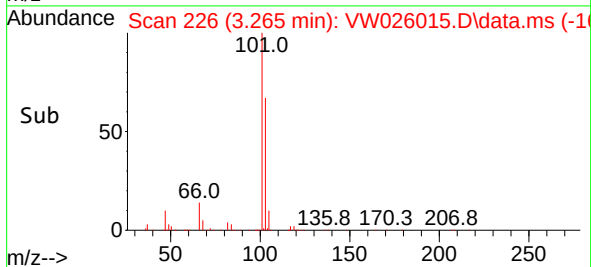
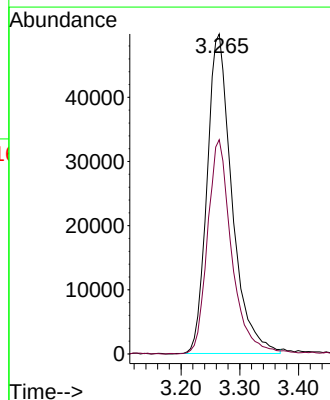
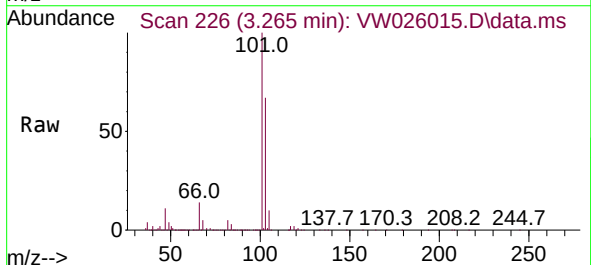
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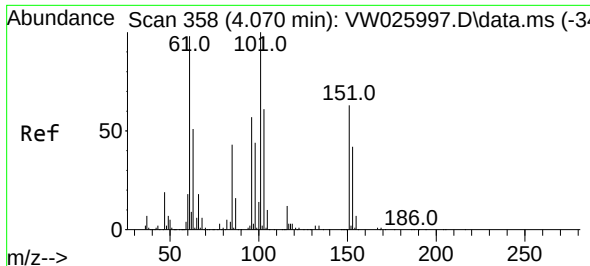
Tgt Ion: 64 Resp: 140462
Ion Ratio Lower Upper
64 100
66 31.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 19.345 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt Ion: 101 Resp: 146063
Ion Ratio Lower Upper
101 100
103 65.1 50.6 76.0

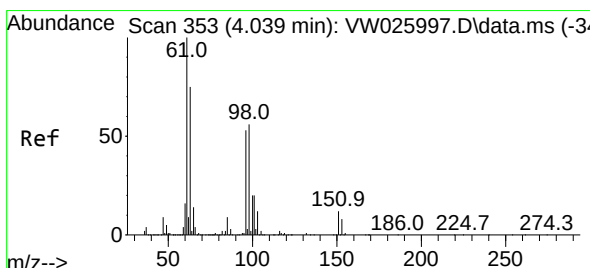
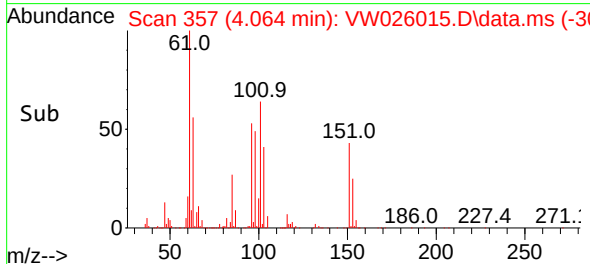
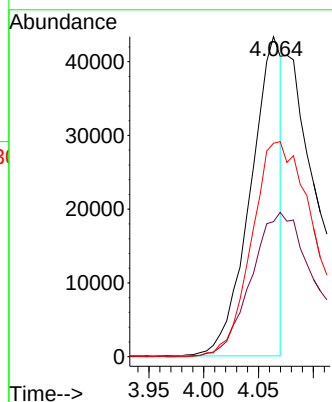
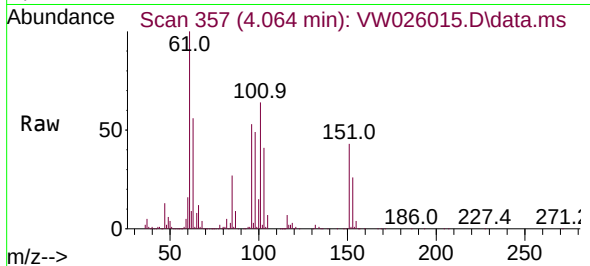




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.370 ug/L
 RT: 4.064 min Scan# 358
 Delta R.T. -0.006 min
 Lab File: VW026015.D
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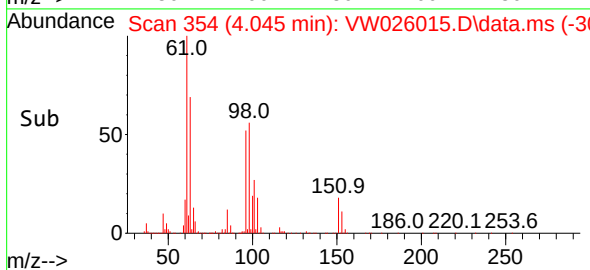
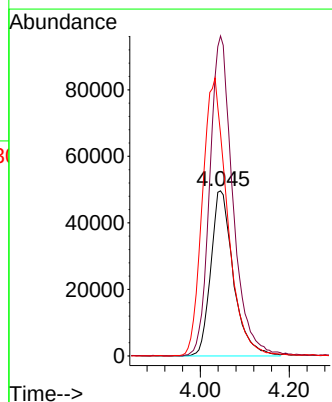
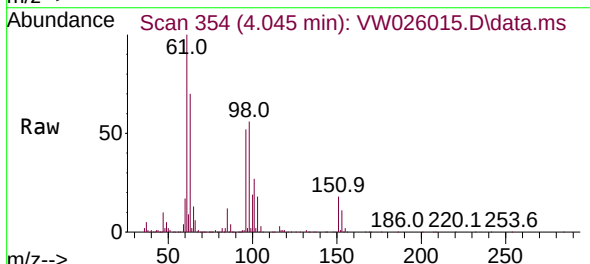
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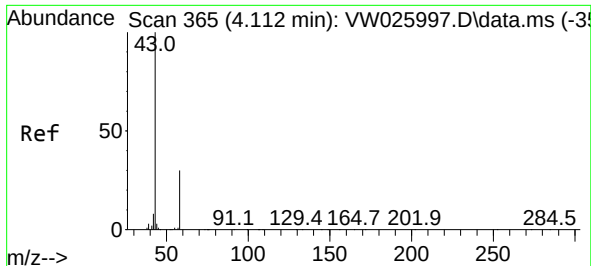
Tgt Ion:101 Resp: 85152
 Ion Ratio Lower Upper
 101 100
 85 103.1 33.9 50.9#
 151 147.9 54.2 81.2#



#12
 1,1-Dichloroethene
 Concen: 22.303 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW026015.D
 Acq: 19 May 2023 19:16

Tgt Ion: 96 Resp: 175023
 Ion Ratio Lower Upper
 96 100
 61 193.9 135.0 250.8
 63 134.7 104.9 194.7





#13

Acetone

Concen: 37.705 ug/L

RT: 4.119 min Scan# 366

Delta R.T. 0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

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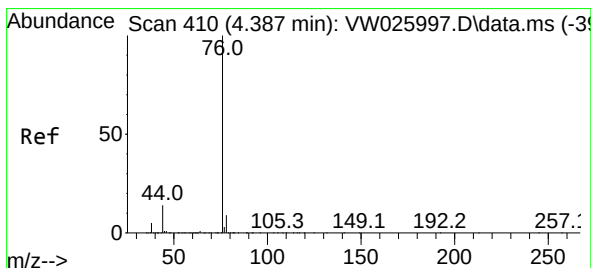
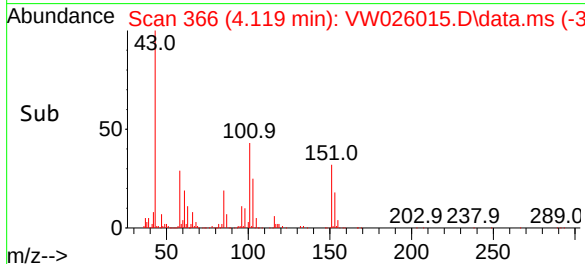
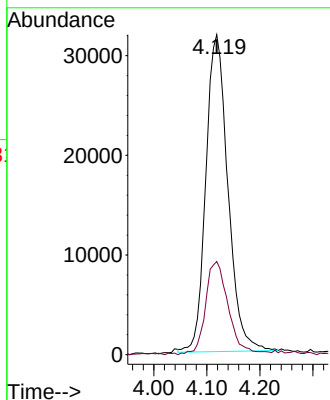
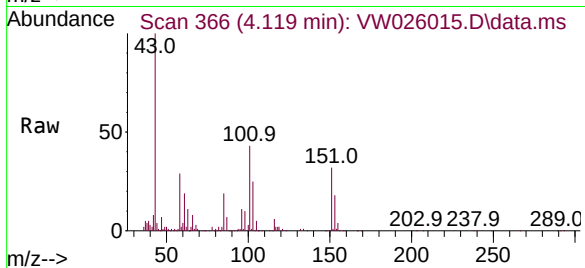
VSTD025494

Tgt Ion: 43 Resp: 91902

Ion Ratio Lower Upper

43 100

58 29.2 0.0 58.2



#14

Carbon disulfide

Concen: 20.609 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.006 min

Lab File: VW026015.D

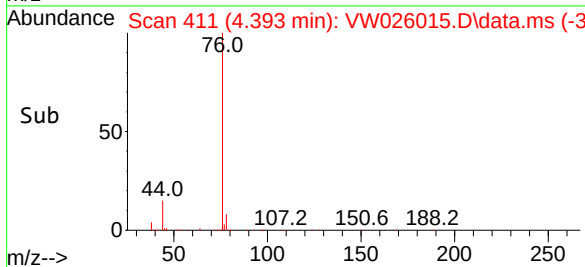
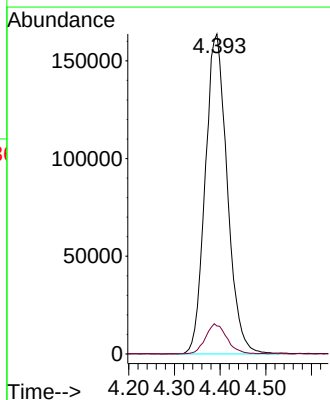
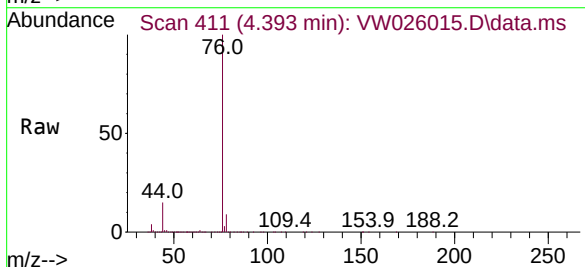
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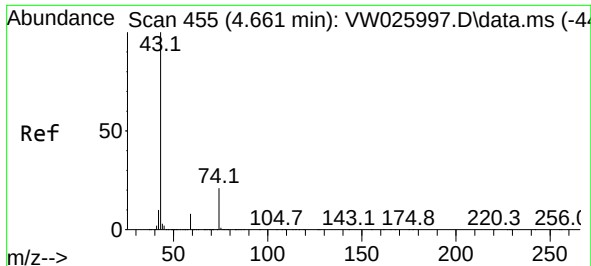
Tgt Ion: 76 Resp: 546947

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

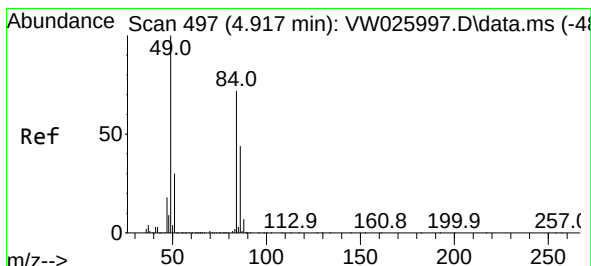
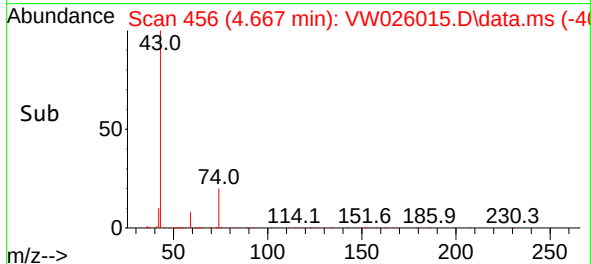
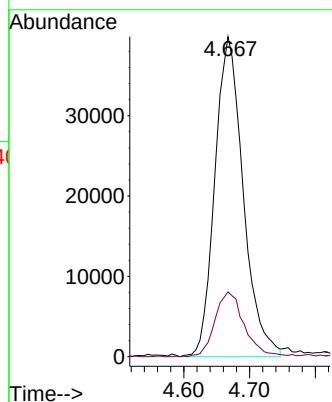
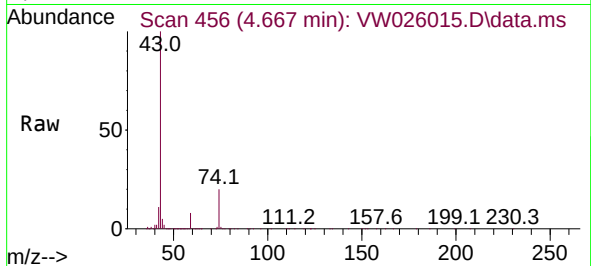




#15
Methyl Acetate
Concen: 24.851 ug/L
RT: 4.667 min Scan# 455
Delta R.T. 0.006 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

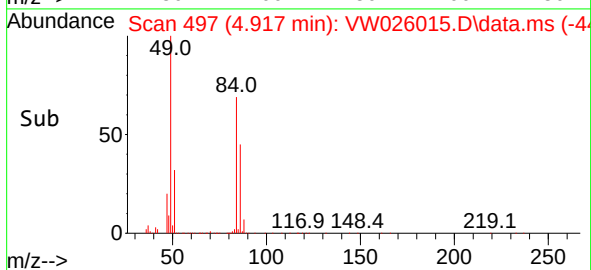
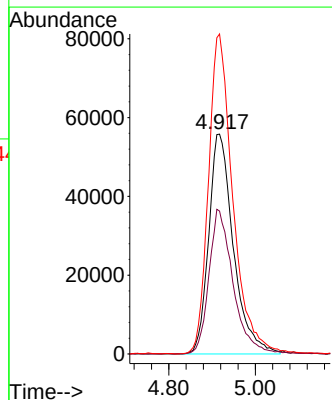
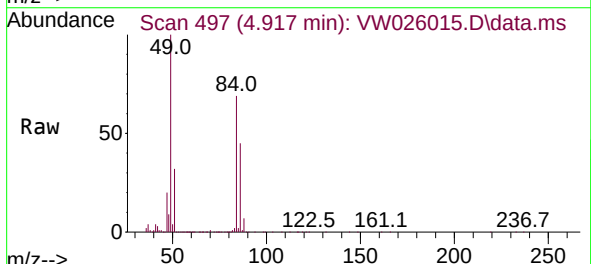
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

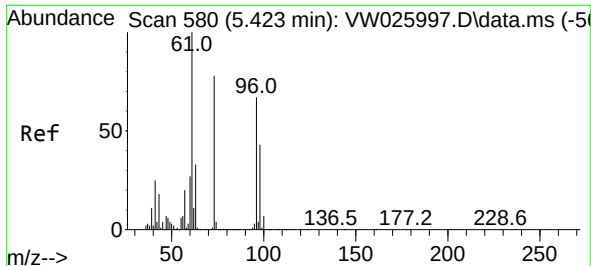
Tgt Ion: 43 Resp: 119364
Ion Ratio Lower Upper
43 100
74 20.8 16.5 24.7



#16
Methylene chloride
Concen: 18.274 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt Ion: 84 Resp: 221137
Ion Ratio Lower Upper
84 100
86 65.0 41.7 77.5
49 145.6 95.3 177.1

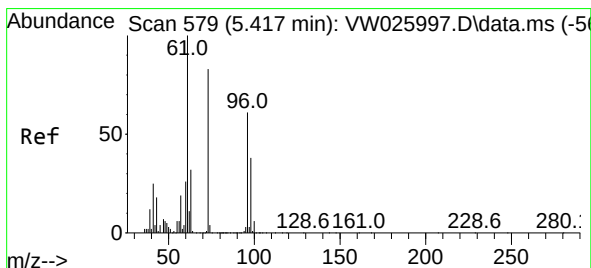
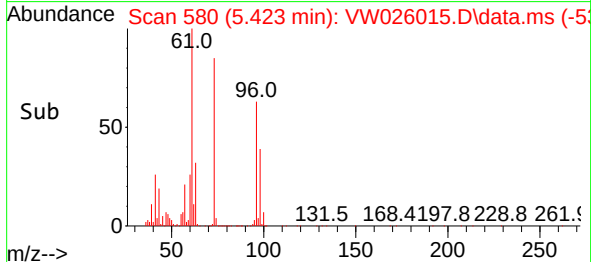
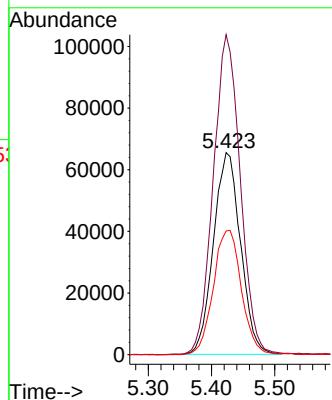
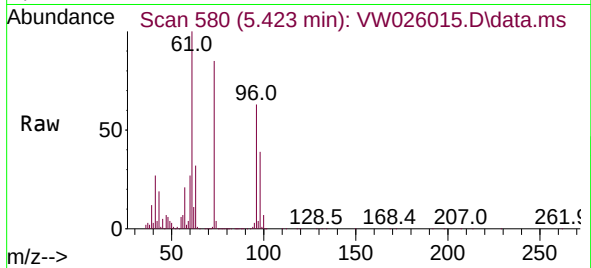




#17
trans-1,2-Dichloroethene
Concen: 22.749 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

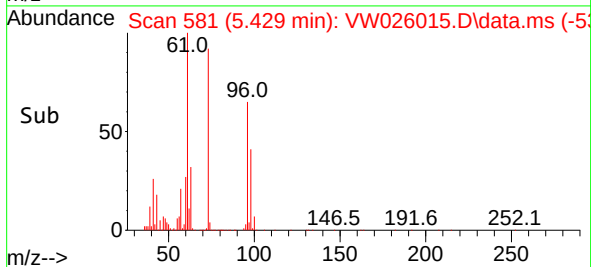
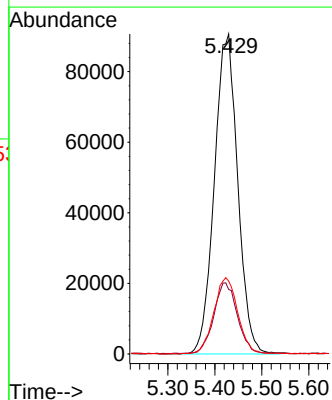
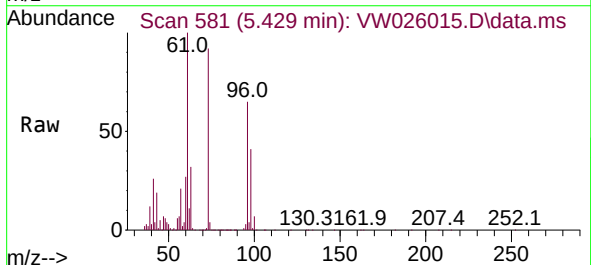
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

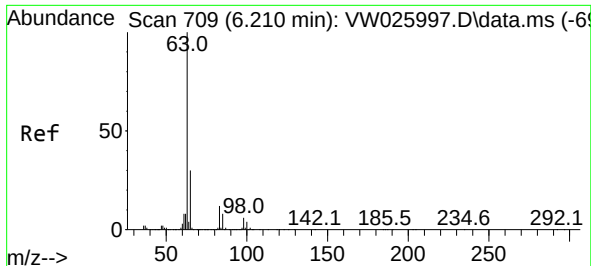
Tgt Ion: 96 Resp: 194753
Ion Ratio Lower Upper
96 100
61 158.3 108.1 200.9
98 61.2 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 24.078 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.012 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt Ion: 73 Resp: 312851
Ion Ratio Lower Upper
73 100
43 22.3 18.2 27.4
57 24.0 19.2 28.8





#19

1,1-Dichloroethane

Concen: 24.215 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

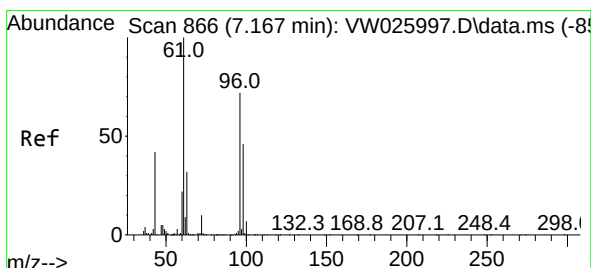
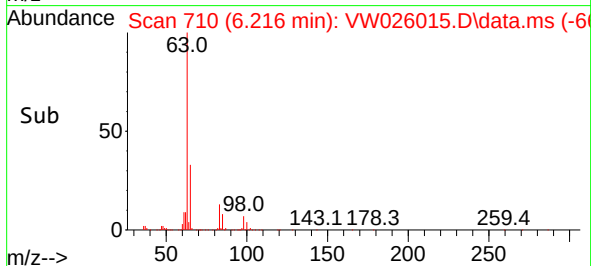
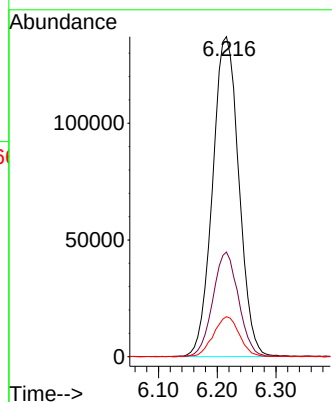
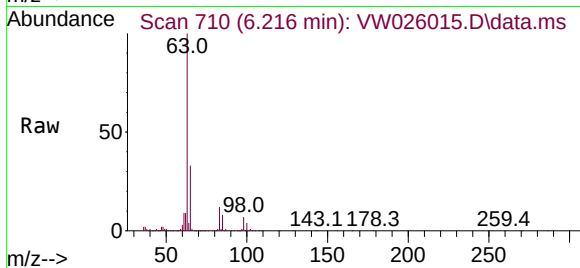
Tgt Ion: 63 Resp: 425926

Ion Ratio Lower Upper

63 100

65 32.7 22.4 41.6

83 12.5 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 23.565 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

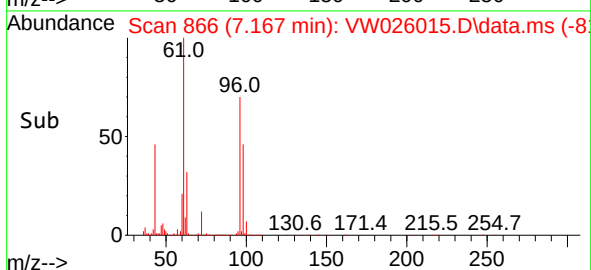
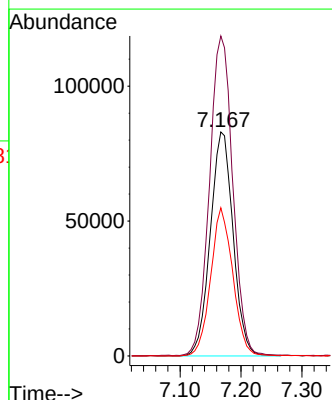
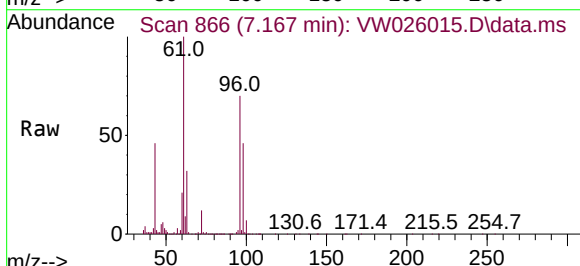
Tgt Ion: 96 Resp: 216436

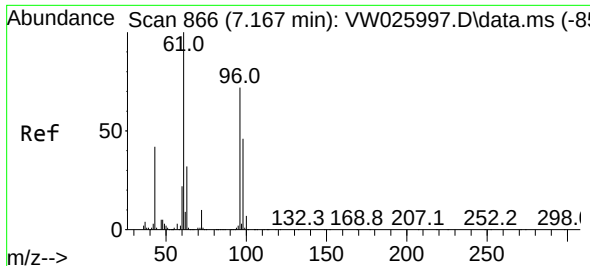
Ion Ratio Lower Upper

96 100

61 142.8 98.6 183.0

98 66.1 45.2 84.0

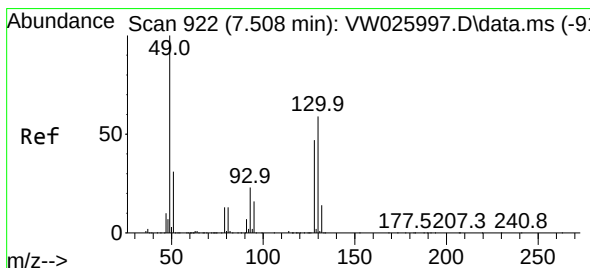
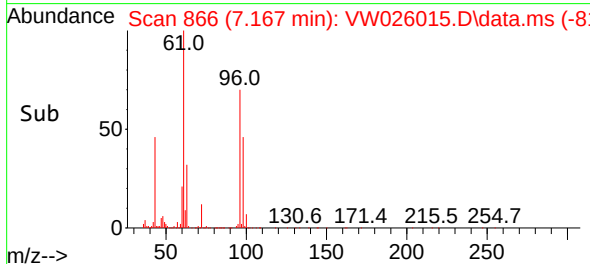
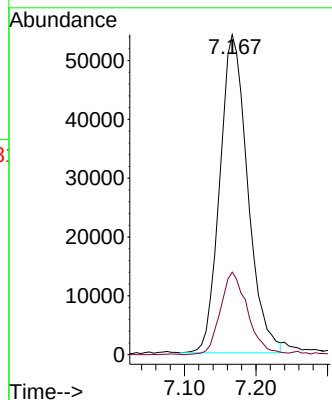
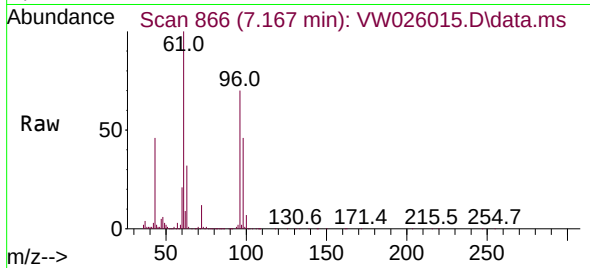




#22
2-Butanone
Concen: 43.528 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

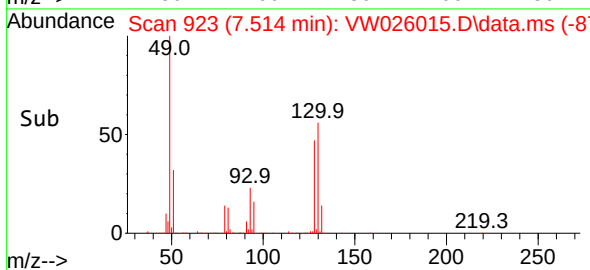
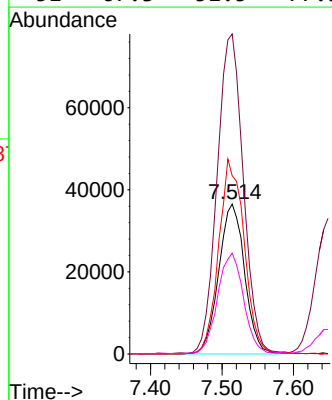
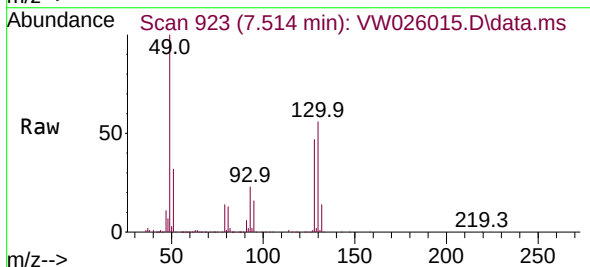
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

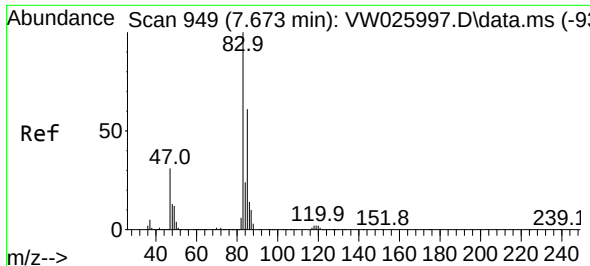
Tgt Ion: 43 Resp: 146498
Ion Ratio Lower Upper
43 100
72 25.4 11.8 35.4



#23
Bromochloromethane
Concen: 23.538 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.006 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt Ion: 128 Resp: 91588
Ion Ratio Lower Upper
128 100
49 213.5 151.5 281.5
130 118.9 91.3 169.6
51 67.3 51.5 77.3

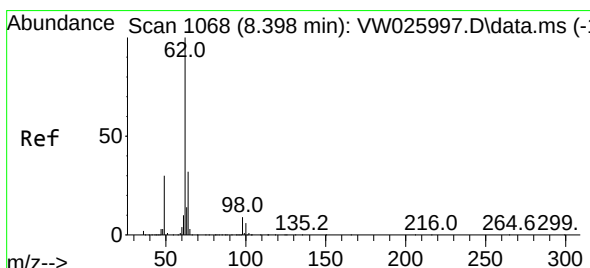
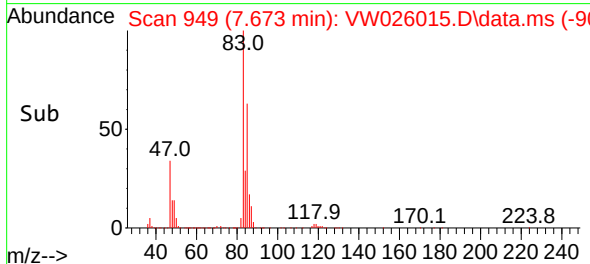
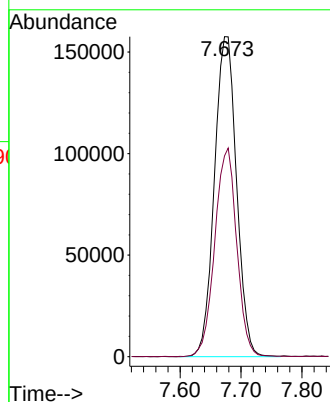
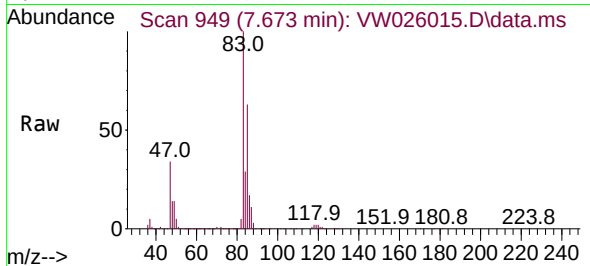




#25
Chloroform
Concen: 24.595 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

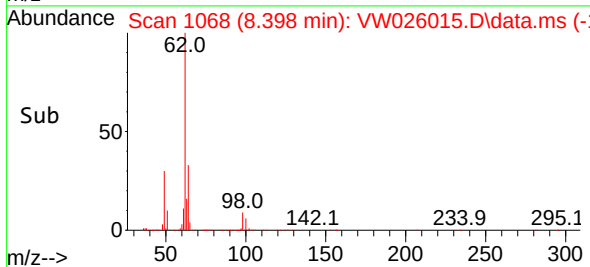
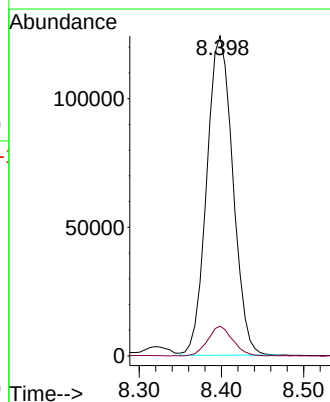
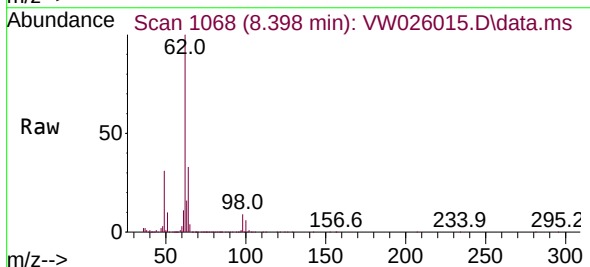
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

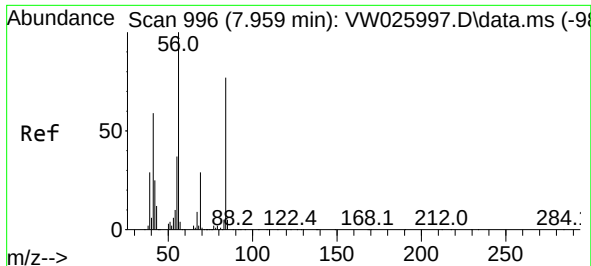
Tgt Ion: 83 Resp: 397606
Ion Ratio Lower Upper
83 100
85 62.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 23.798 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt Ion: 62 Resp: 273223
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8





#29

Cyclohexane

Concen: 22.409 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

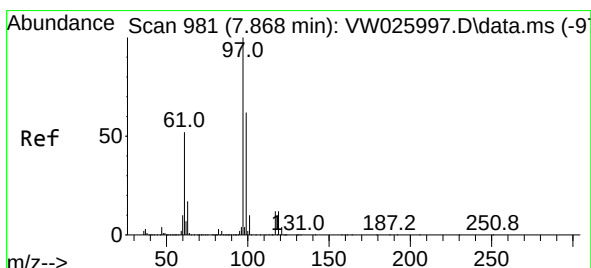
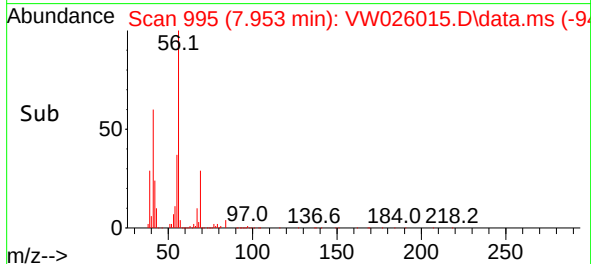
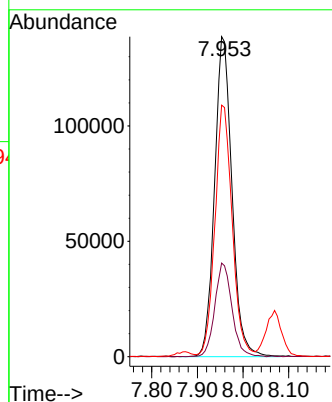
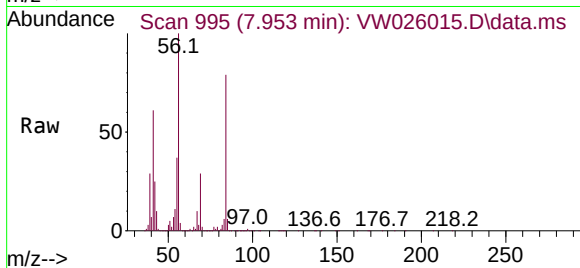
Tgt Ion: 56 Resp: 367158

Ion Ratio Lower Upper

56 100

69 28.8 23.4 35.0

84 78.3 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 23.924 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

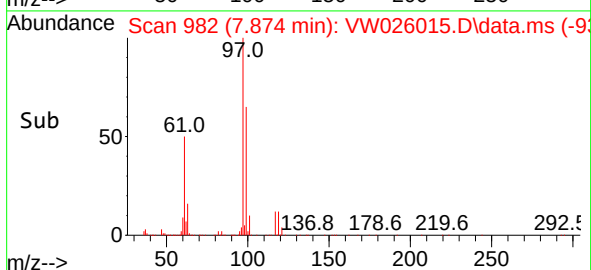
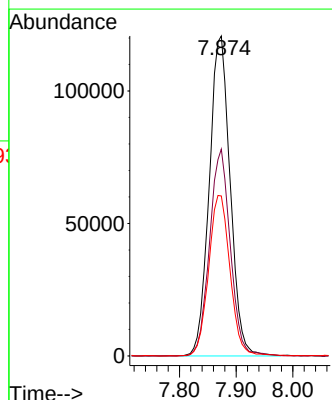
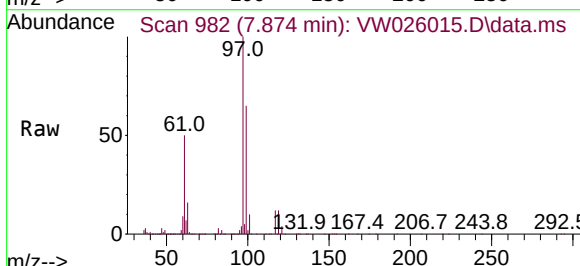
Tgt Ion: 97 Resp: 309343

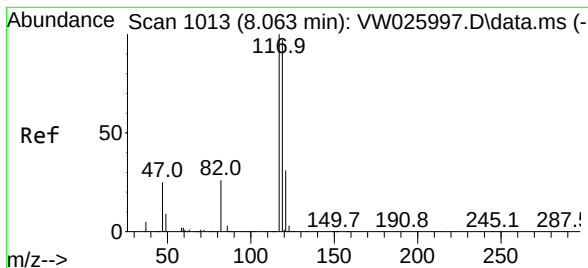
Ion Ratio Lower Upper

97 100

99 63.3 51.1 76.7

61 51.2 40.4 60.6





#31

Carbon tetrachloride

Concen: 23.657 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

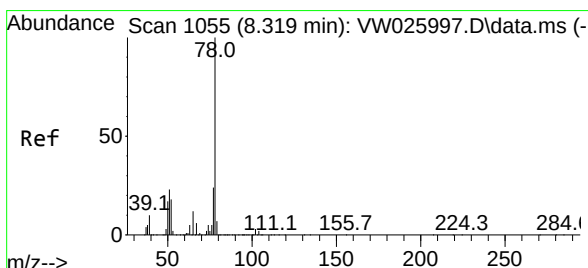
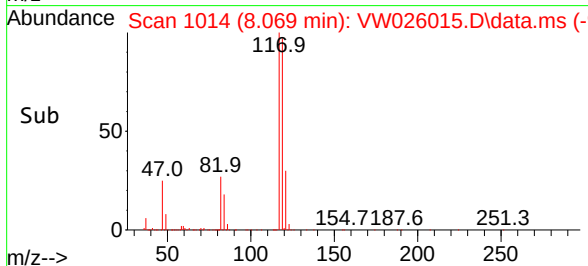
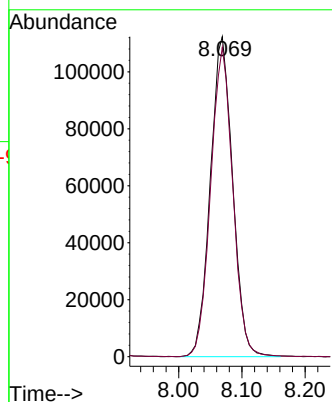
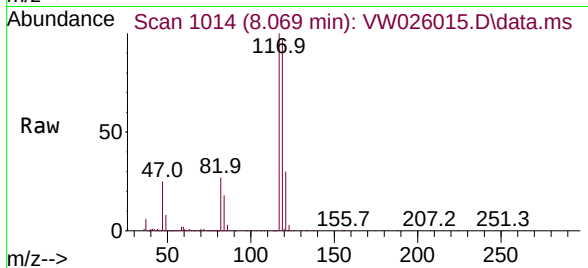
VSTD025494

Tgt Ion:117 Resp: 275288

Ion Ratio Lower Upper

117 100

119 95.7 76.9 115.3



#33

Benzene

Concen: 24.174 ug/L

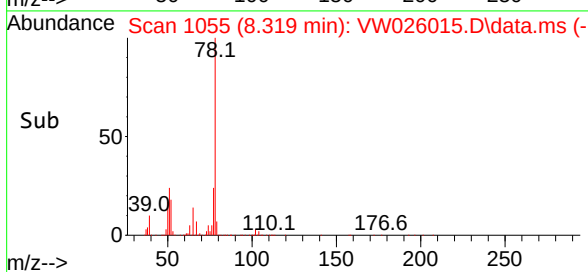
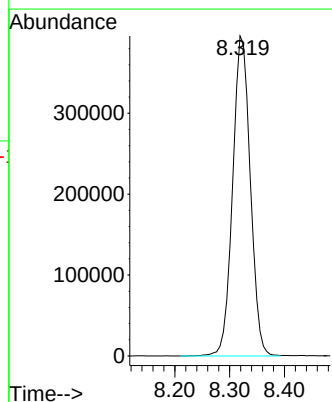
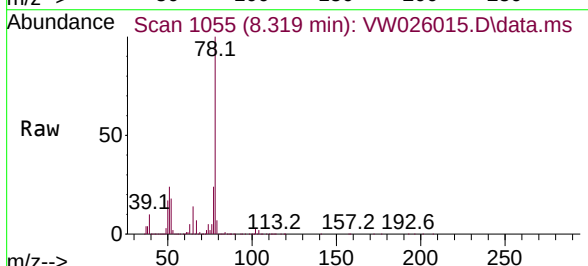
RT: 8.319 min Scan# 1055

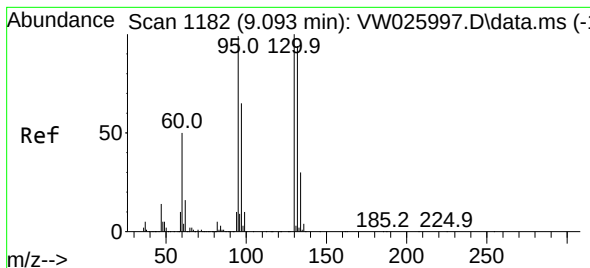
Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Tgt Ion: 78 Resp: 884253





#34

Trichloroethene

Concen: 23.353 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

Tgt Ion: 95 Resp: 219200

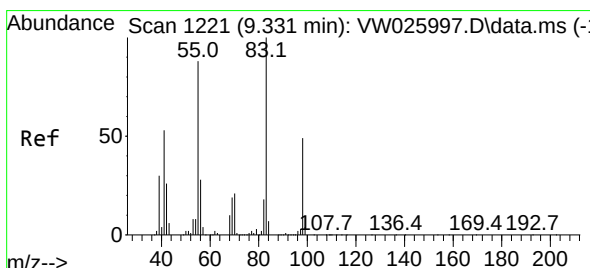
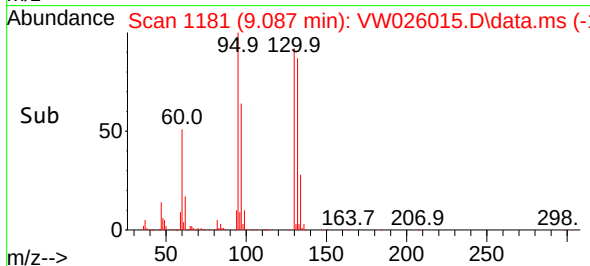
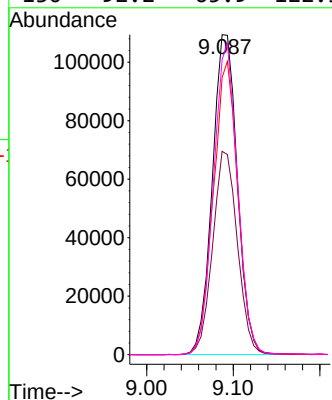
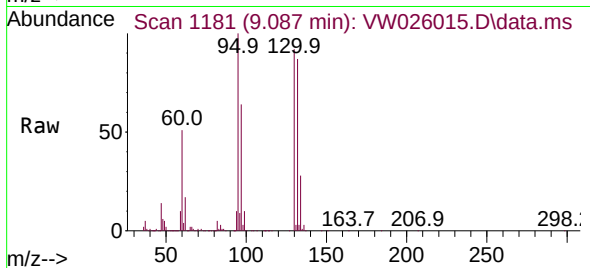
Ion Ratio Lower Upper

95 100

97 63.6 45.9 85.3

132 86.6 66.0 122.6

130 92.2 65.9 122.3



#35

Methylcyclohexane

Concen: 22.615 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

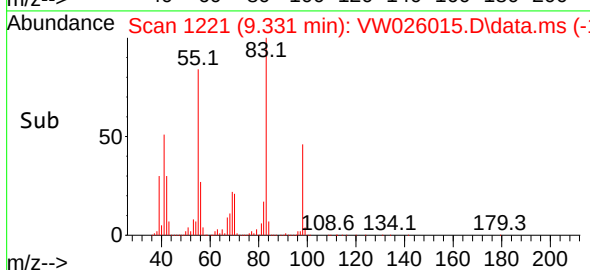
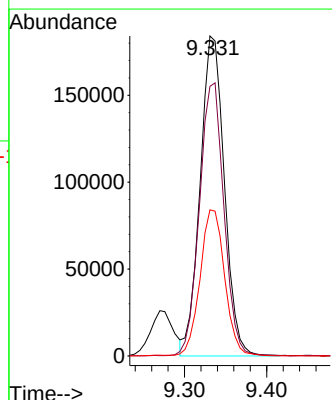
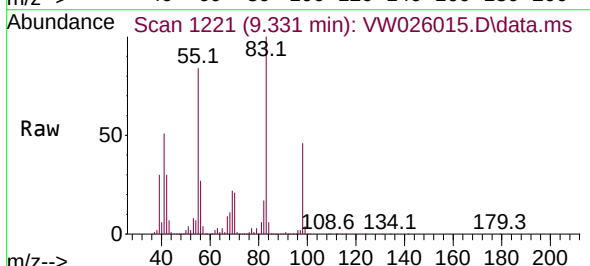
Tgt Ion: 83 Resp: 377550

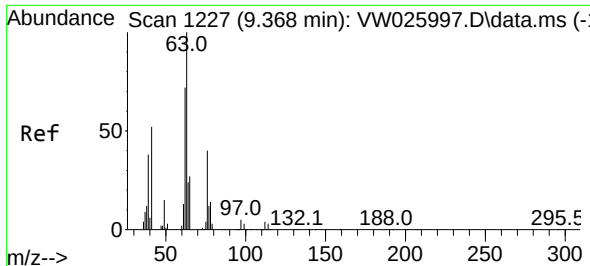
Ion Ratio Lower Upper

83 100

55 86.3 69.0 103.4

98 46.5 37.1 55.7





#37

1,2-Dichloropropane

Concen: 24.360 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

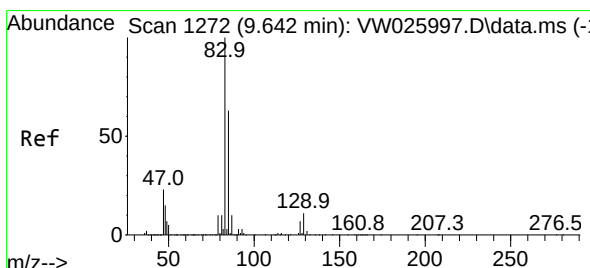
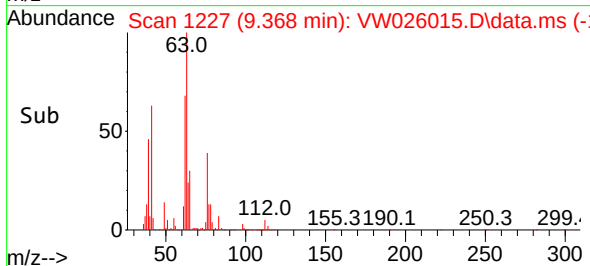
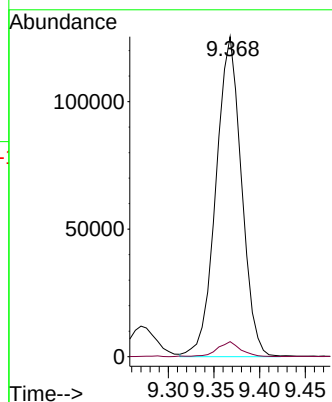
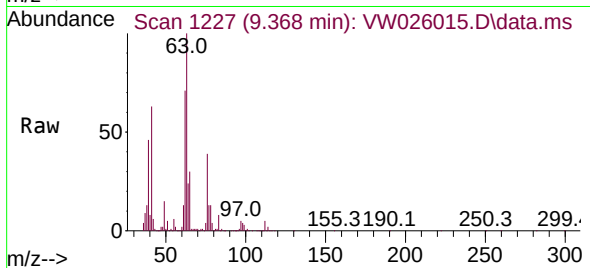
VSTD025494

Tgt Ion: 63 Resp: 244133

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 24.262 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

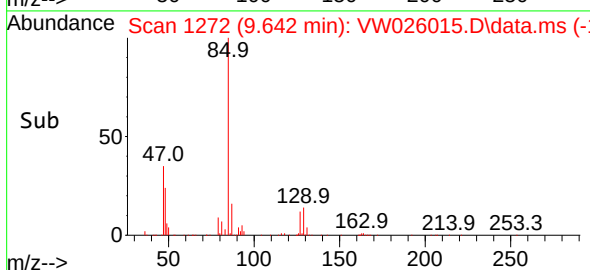
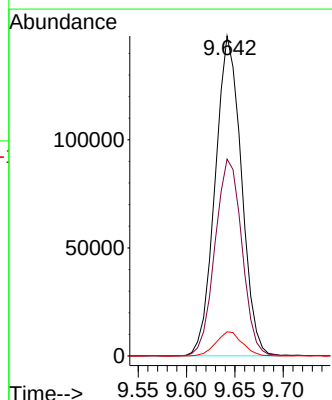
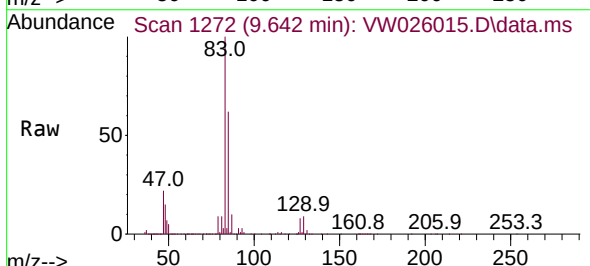
Tgt Ion: 83 Resp: 278963

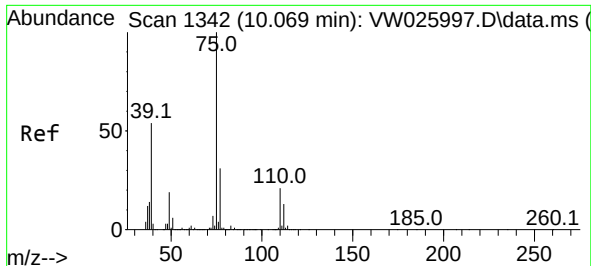
Ion Ratio Lower Upper

83 100

85 61.5 44.4 82.5

127 7.5 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 22.398 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

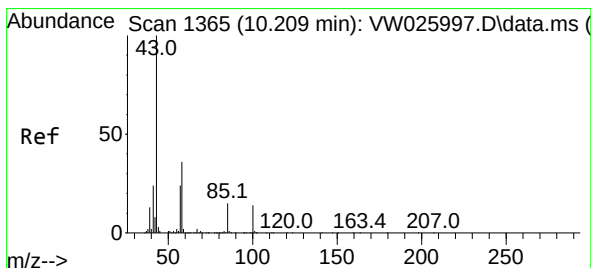
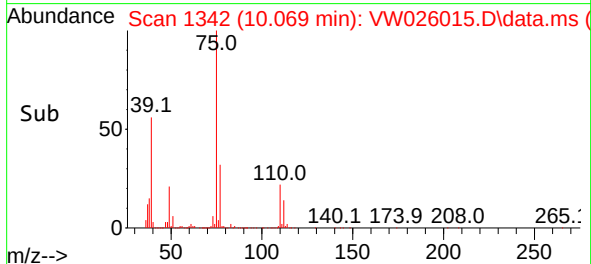
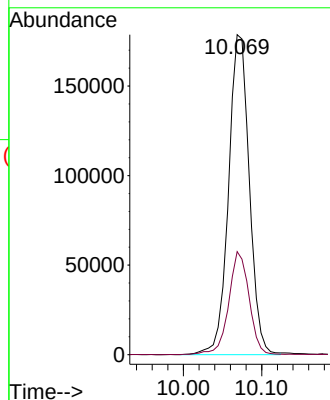
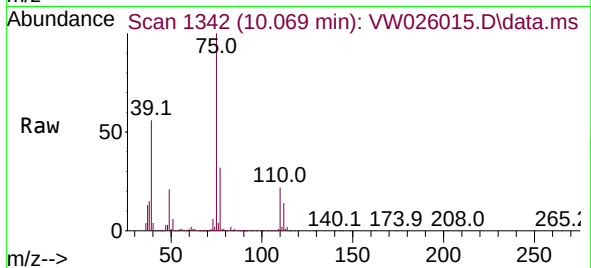
VSTD025494

Tgt Ion: 75 Resp: 329185

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 51.472 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

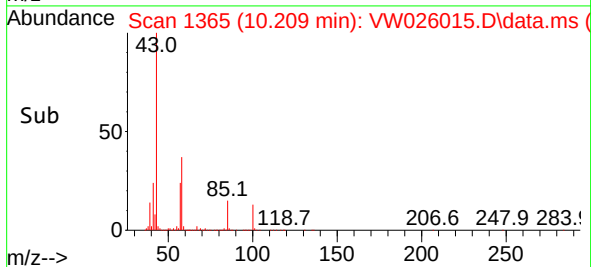
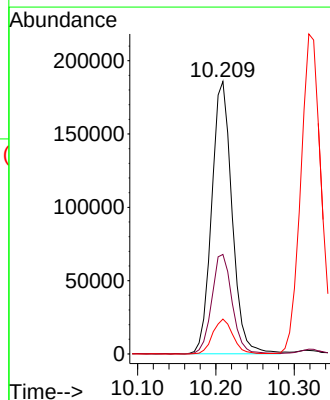
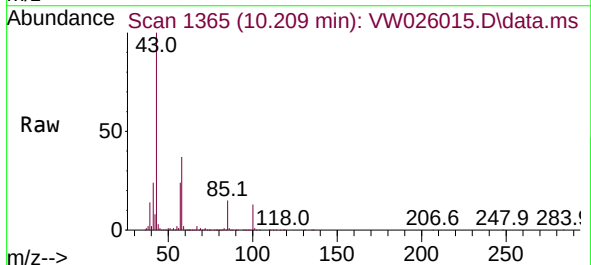
Tgt Ion: 43 Resp: 335767

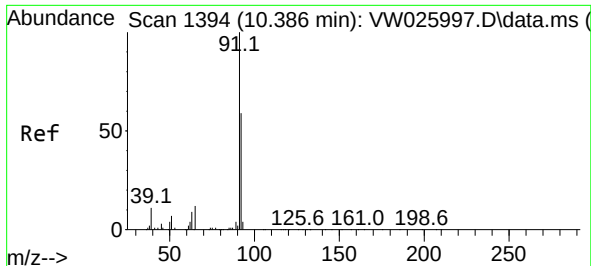
Ion Ratio Lower Upper

43 100

58 36.6 29.4 44.0

100 12.7 10.1 15.1





#42

Toluene

Concen: 24.335 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

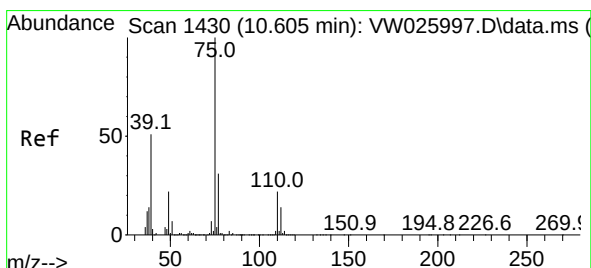
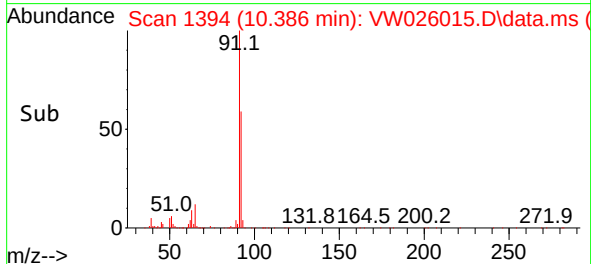
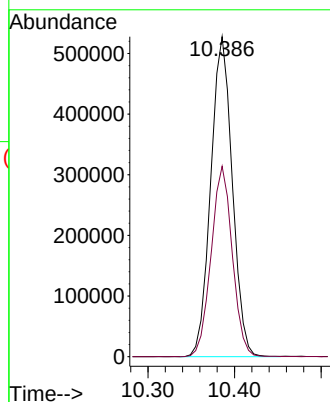
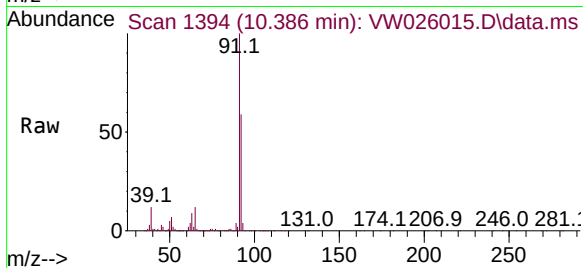
VSTD025494

Tgt Ion: 91 Resp: 909552

Ion Ratio Lower Upper

91 100

92 59.5 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 23.165 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW026015.D

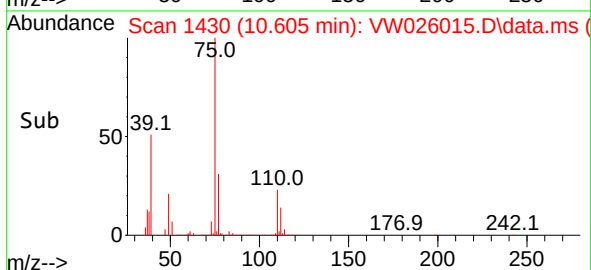
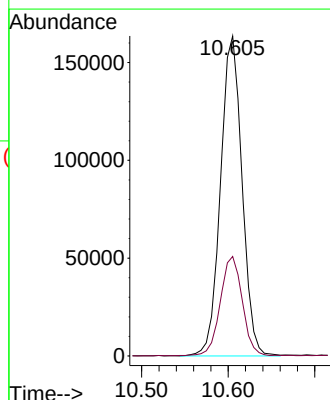
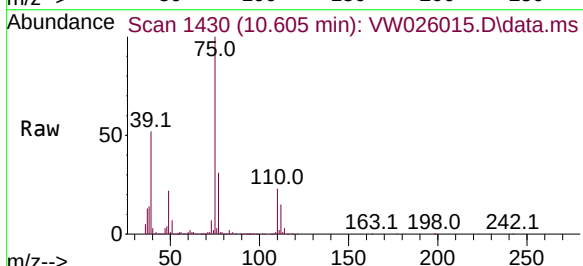
Acq: 19 May 2023 19:16

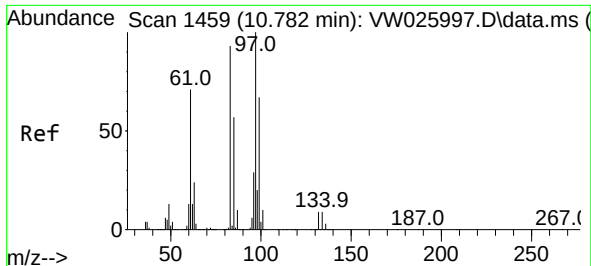
Tgt Ion: 75 Resp: 282101

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4

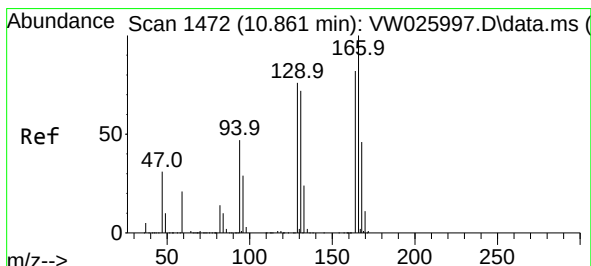
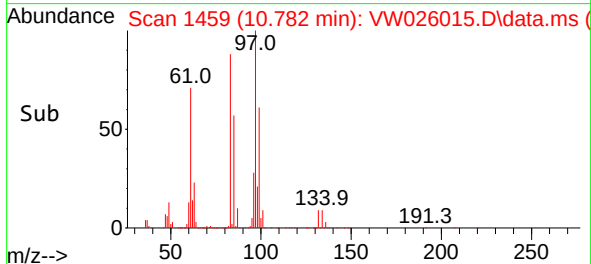
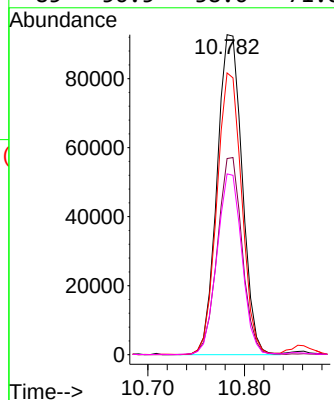
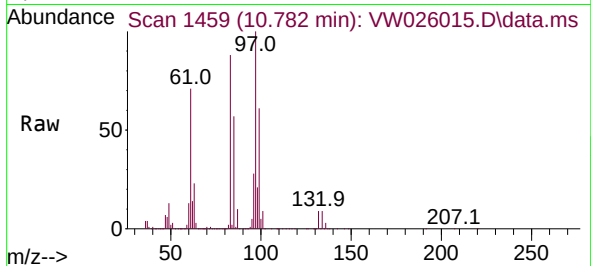




#45
1,1,2-Trichloroethane
Concen: 24.955 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

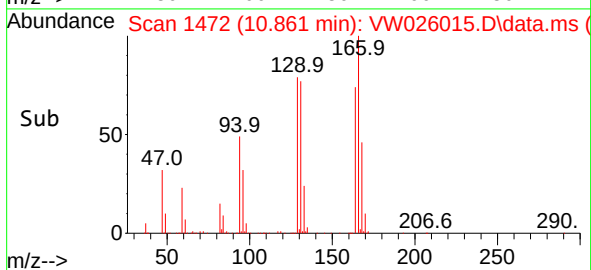
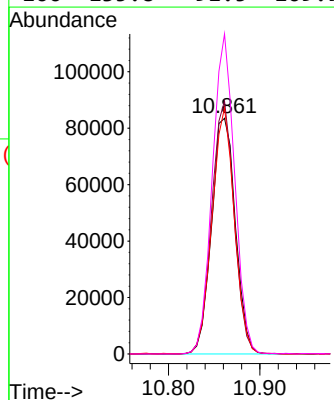
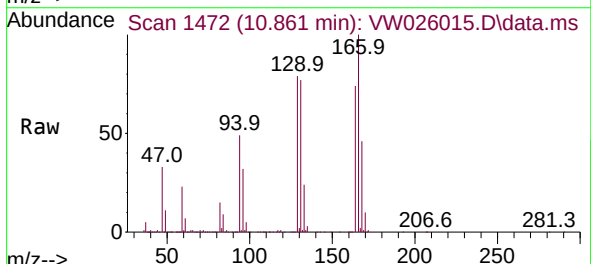
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

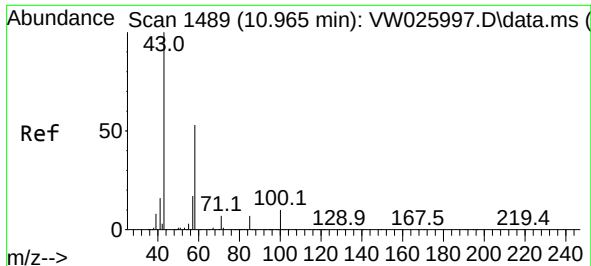
Tgt Ion: 97	Resp: 167295
Ion Ratio	Lower Upper
97 100	
99 61.3	44.5 82.7
83 88.1	63.0 117.0
85 56.5	38.6 71.8



#46
Tetrachloroethene
Concen: 22.868 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt	Ion:164	Resp:	151009
Ion	Ratio	Lower	Upper
164	100		
129	107.3	74.3	138.1
131	104.4	71.3	132.3
166	135.8	91.5	169.9

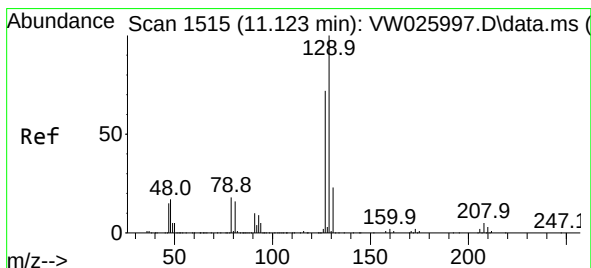
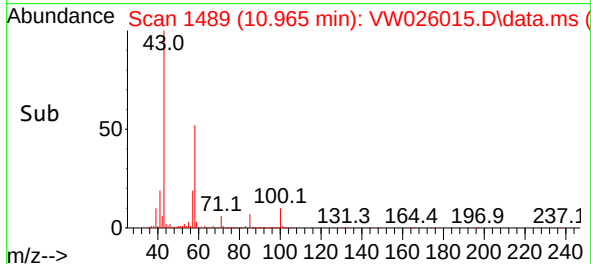
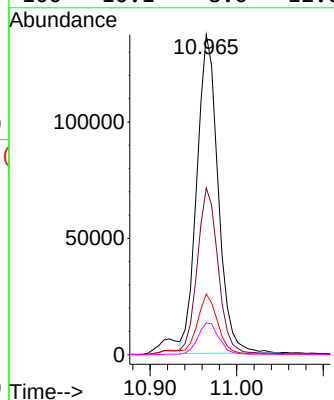
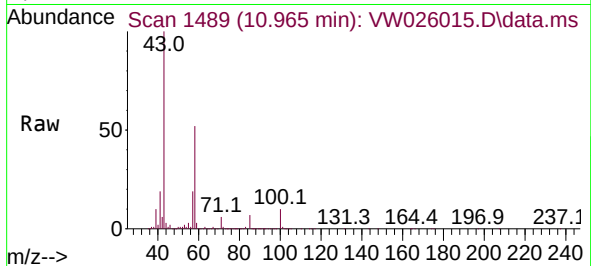




#48
2-Hexanone
Concen: 49.858 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

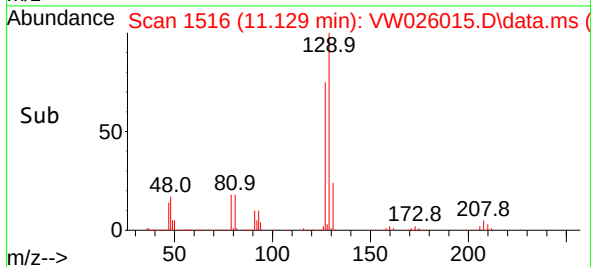
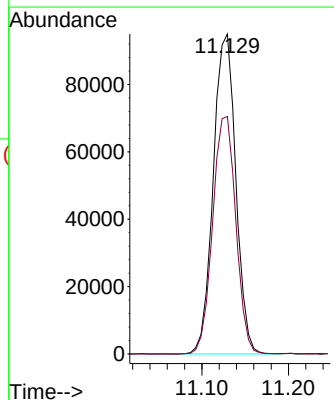
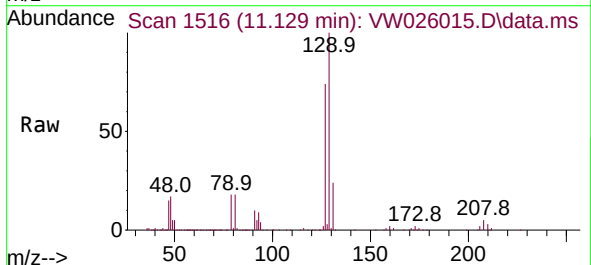
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

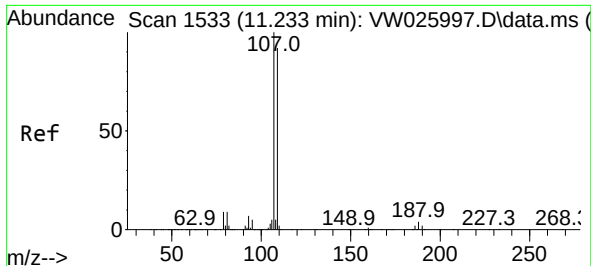
Tgt Ion:	43	Resp:	232994
Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.8	61.2
57	18.3	13.6	20.4
100	10.1	8.0	12.0



#49
Dibromochloromethane
Concen: 24.698 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt Ion:	129	Resp:	171419
Ion	Ratio	Lower	Upper
129	100		
127	74.2	56.1	104.3





#50

1,2-Dibromoethane

Concen: 24.399 ug/L

RT: 11.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

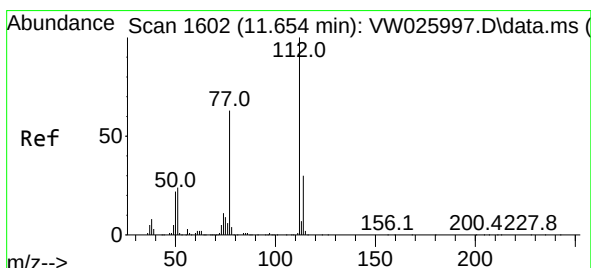
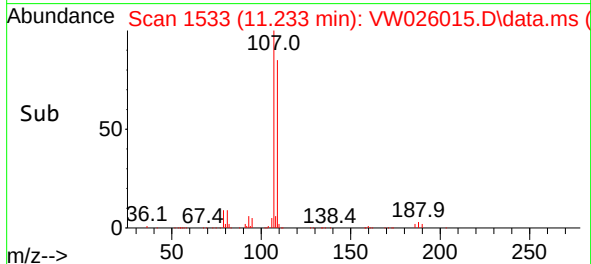
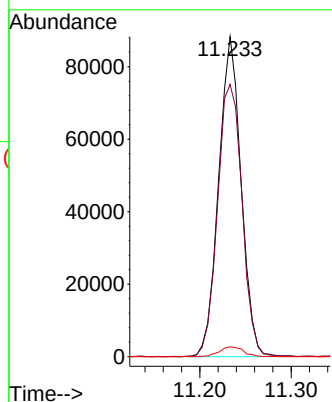
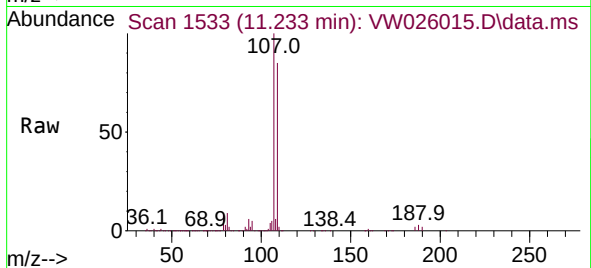
Tgt Ion:107 Resp: 150789

Ion Ratio Lower Upper

107 100

109 85.1 67.5 125.4

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 23.696 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

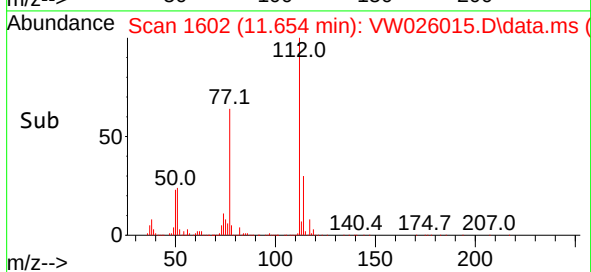
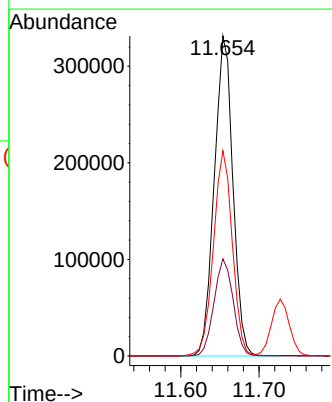
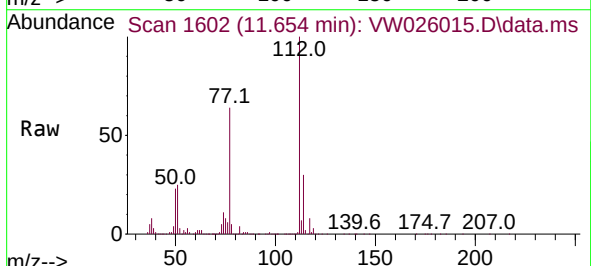
Tgt Ion:112 Resp: 548650

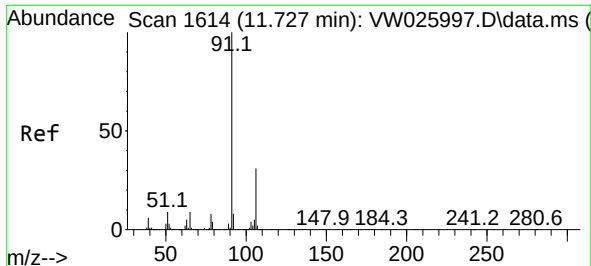
Ion Ratio Lower Upper

112 100

114 30.4 22.7 42.3

77 64.2 53.0 79.6

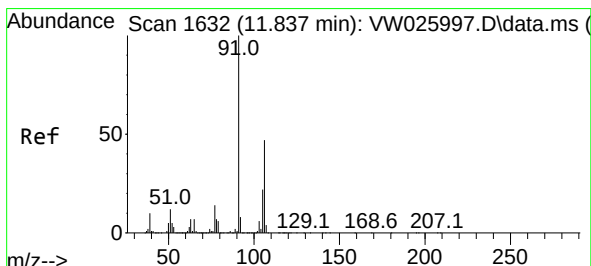
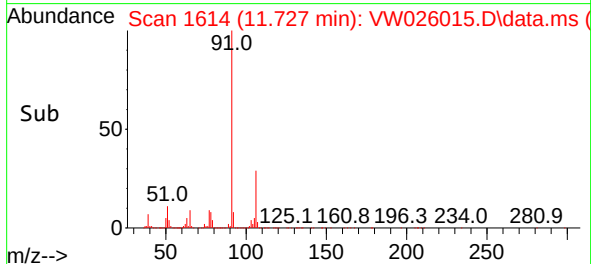
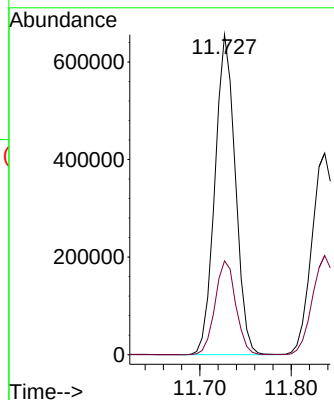
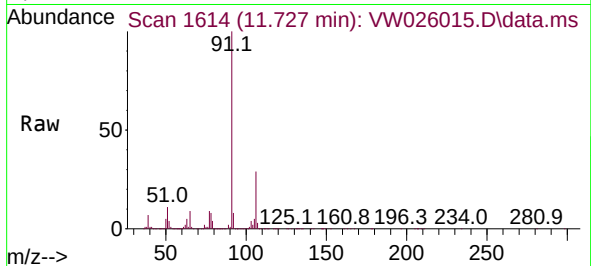




#52
Ethylbenzene
Concen: 24.183 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

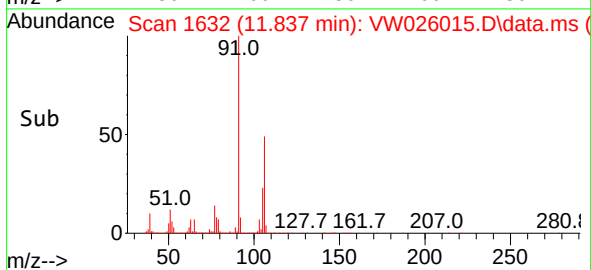
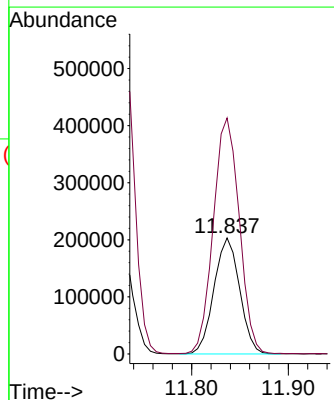
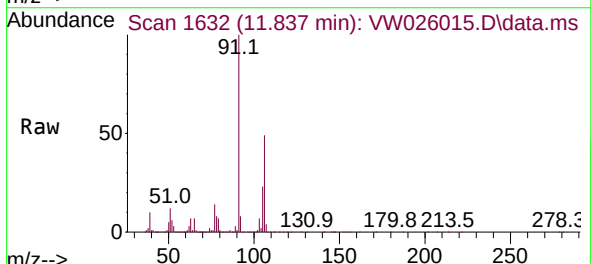
Instrument :
MSVOA_W
ClientSampleId :
VSTD025494

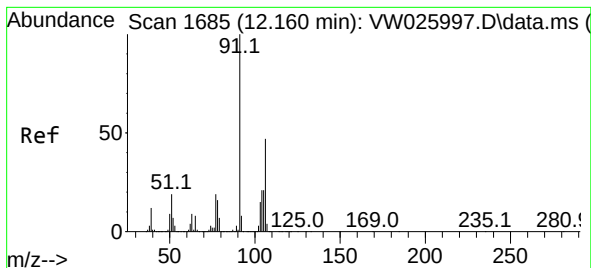
Tgt Ion: 91 Resp: 1016733
Ion Ratio Lower Upper
91 100
106 29.3 20.8 38.6



#53
m,p-Xylene
Concen: 24.203 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026015.D
Acq: 19 May 2023 19:16

Tgt Ion:106 Resp: 374509
Ion Ratio Lower Upper
106 100
91 203.4 150.1 278.9





#54

o-Xylene

Concen: 24.486 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

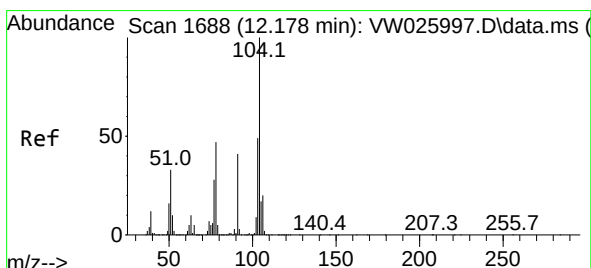
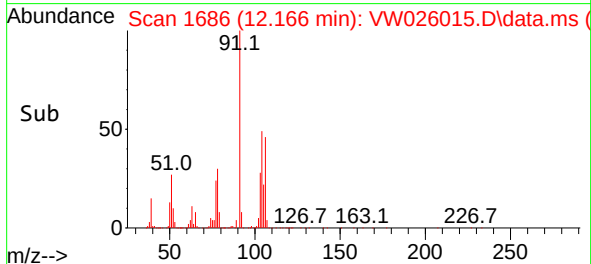
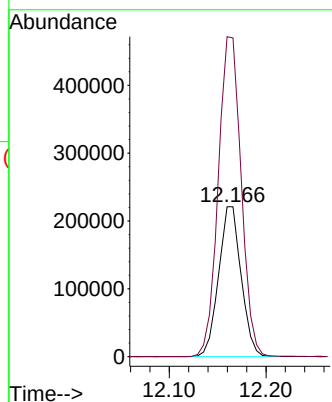
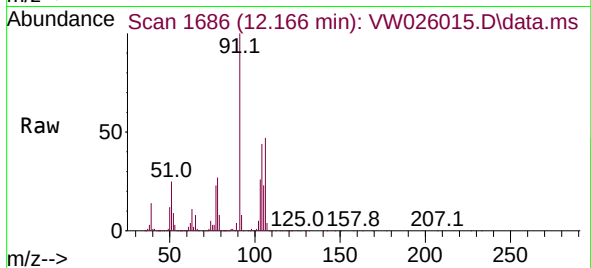
VSTD025494

Tgt Ion:106 Resp: 357129

Ion Ratio Lower Upper

106 100

91 212.4 157.8 293.1



#55

Styrene

Concen: 24.924 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW026015.D

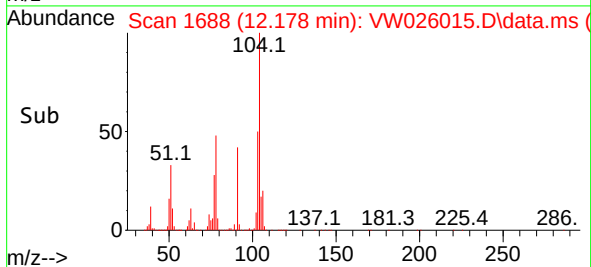
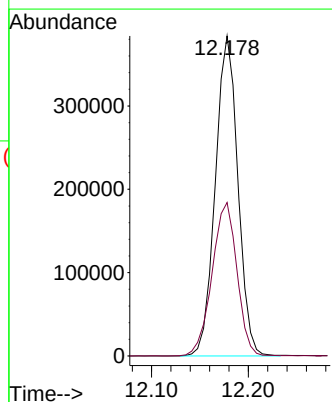
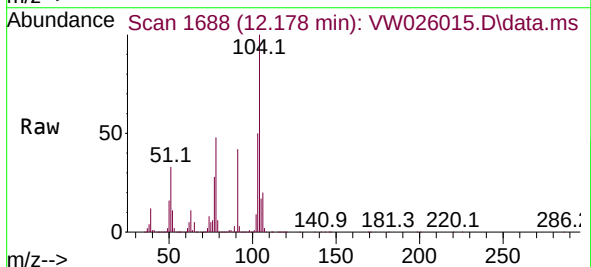
Acq: 19 May 2023 19:16

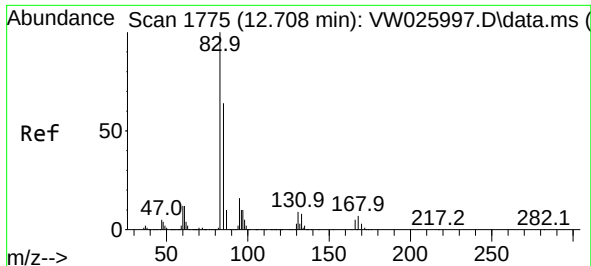
Tgt Ion:104 Resp: 622183

Ion Ratio Lower Upper

104 100

78 47.9 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 25.255 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

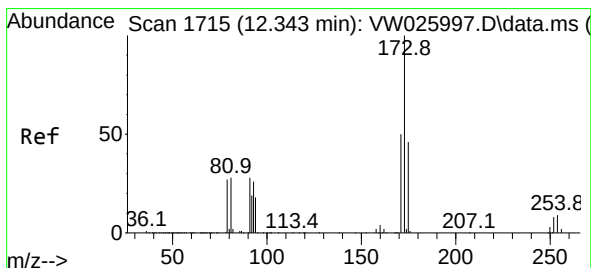
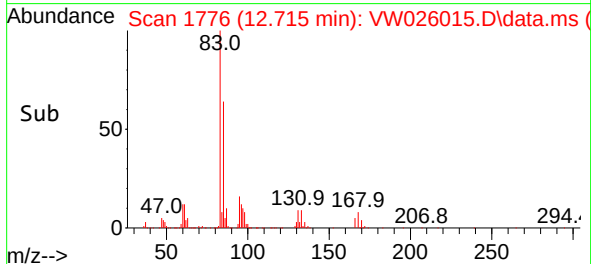
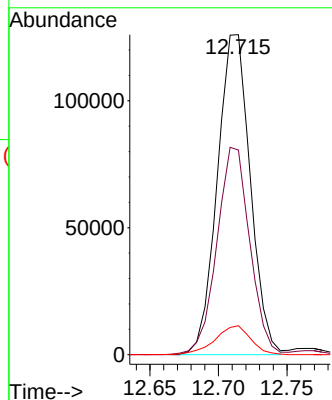
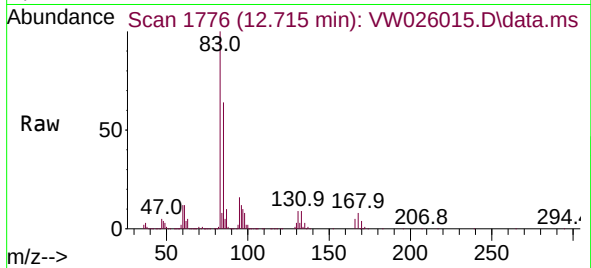
Tgt Ion: 83 Resp: 211257

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.8

131 9.1 8.1 12.1



#59

Bromoform

Concen: 24.790 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

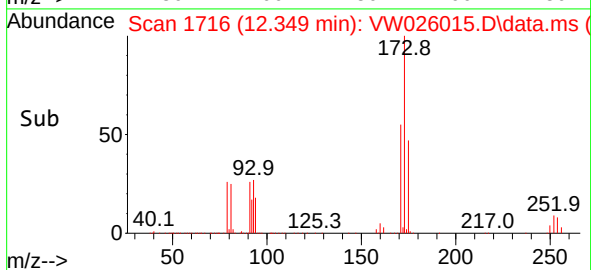
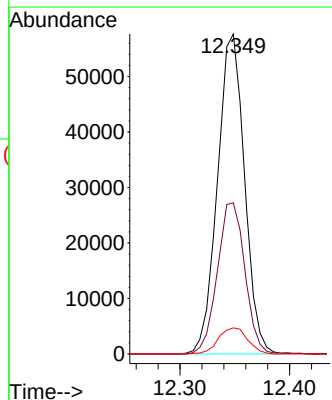
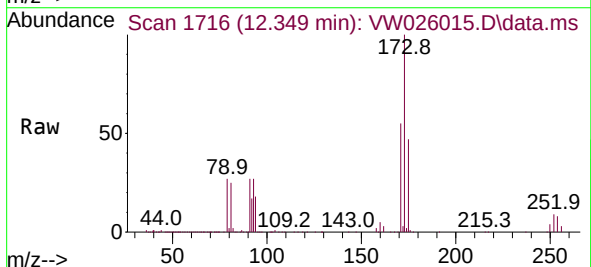
Tgt Ion:173 Resp: 98812

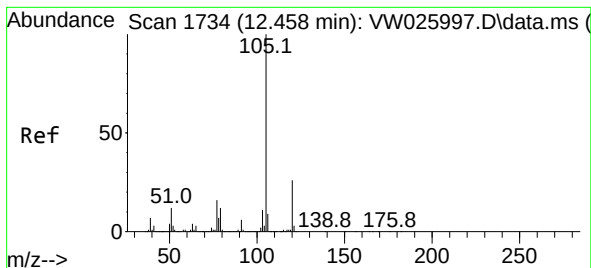
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 8.8 7.6 11.4





#60

Isopropylbenzene

Concen: 24.142 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

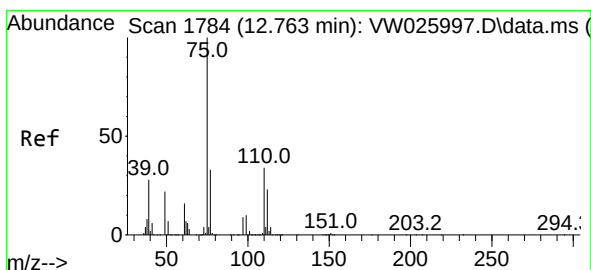
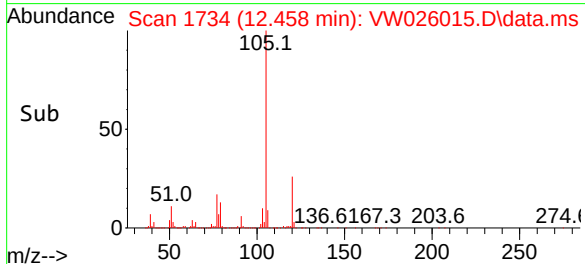
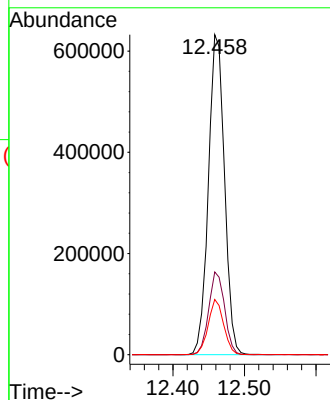
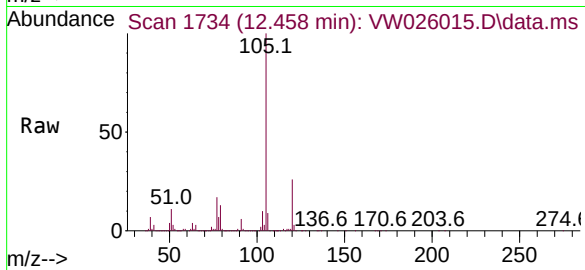
Tgt Ion:105 Resp: 987499

Ion Ratio Lower Upper

105 100

120 25.6 21.1 31.7

77 16.6 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 24.198 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

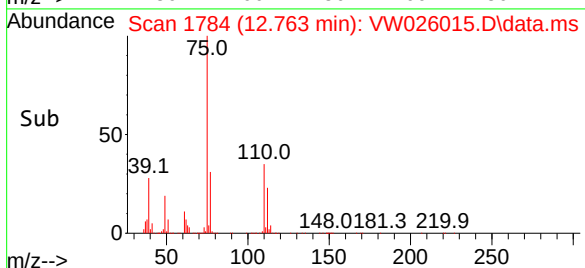
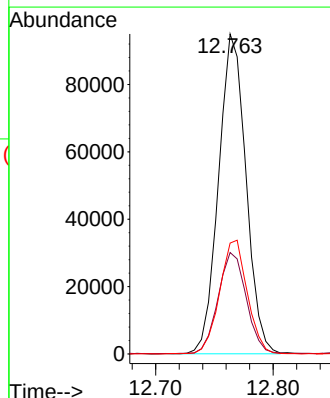
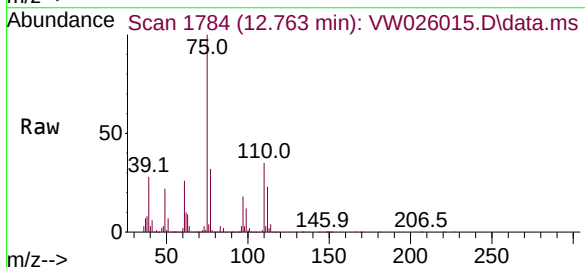
Tgt Ion: 75 Resp: 153892

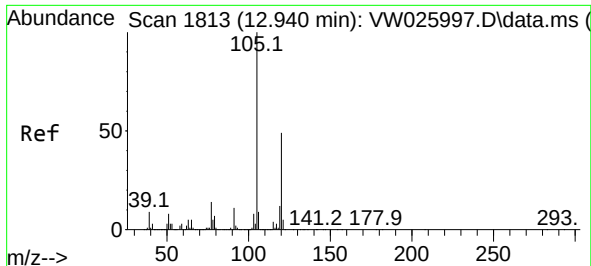
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

110 36.1 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 24.339 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

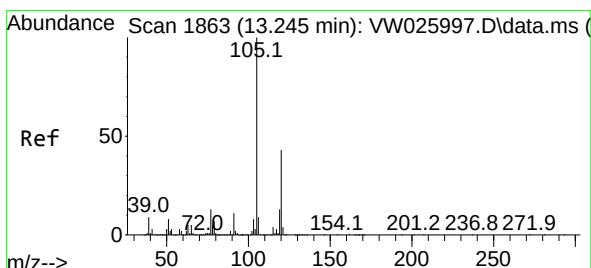
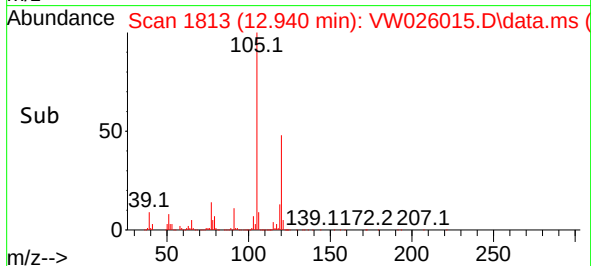
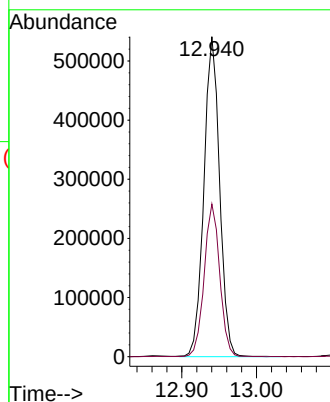
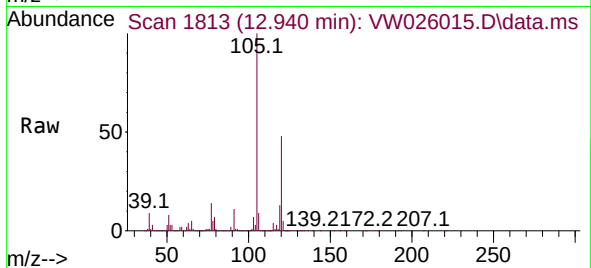
VSTD025494

Tgt Ion:105 Resp: 788542

Ion Ratio Lower Upper

105 100

120 47.2 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 23.973 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026015.D

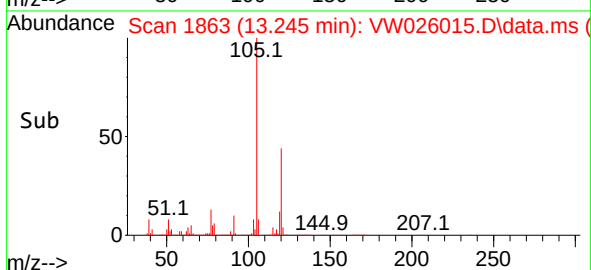
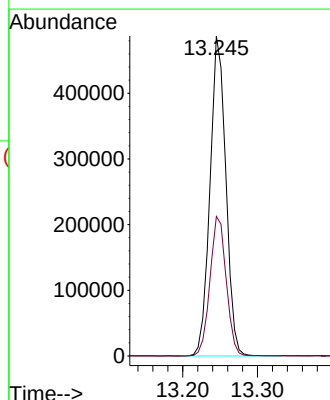
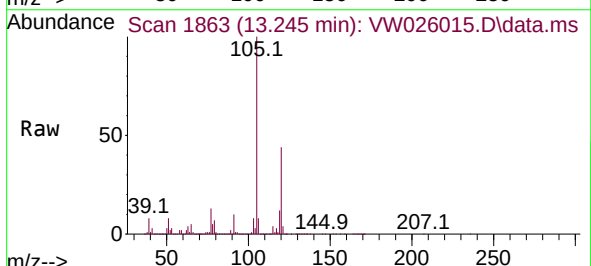
Acq: 19 May 2023 19:16

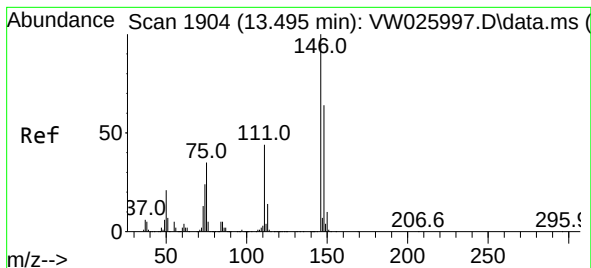
Tgt Ion:105 Resp: 716718

Ion Ratio Lower Upper

105 100

120 44.7 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 22.228 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

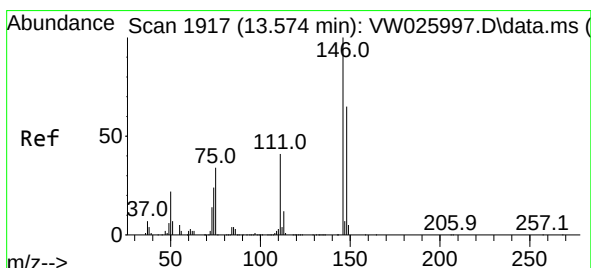
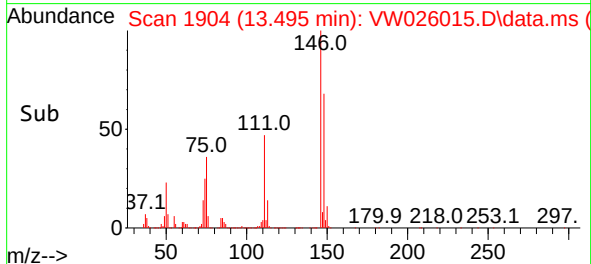
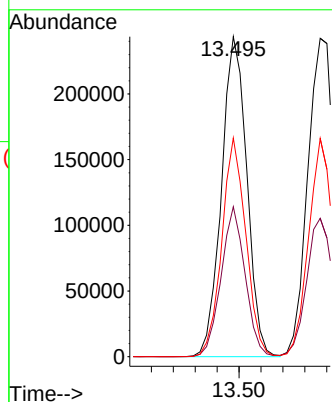
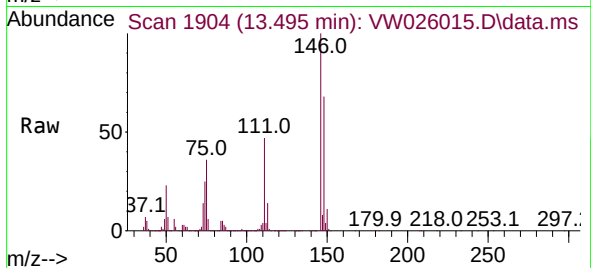
Tgt Ion:146 Resp: 391403

Ion Ratio Lower Upper

146 100

111 46.9 30.4 56.4

148 68.3 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 23.245 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

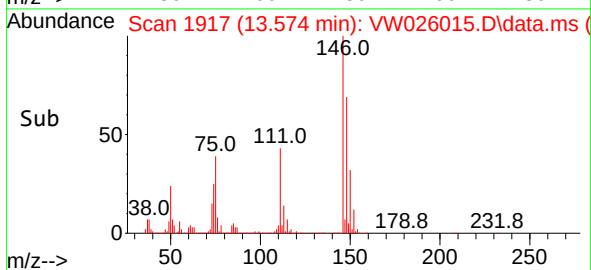
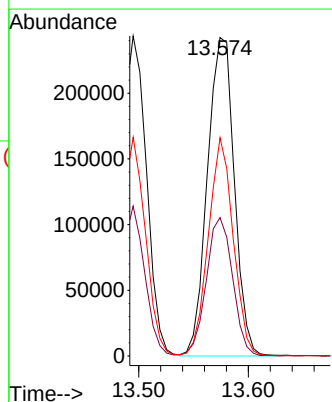
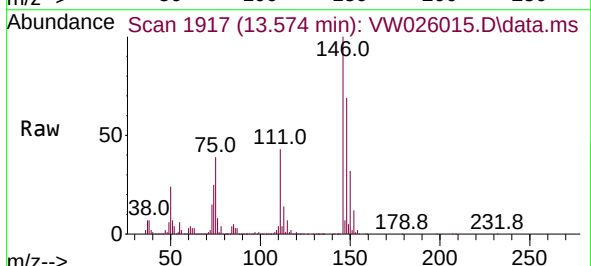
Tgt Ion:146 Resp: 413528

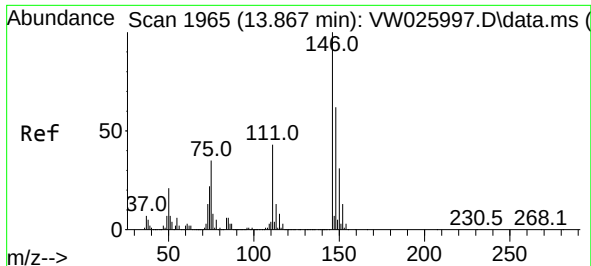
Ion Ratio Lower Upper

146 100

111 43.5 27.9 51.9

148 68.5 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 23.444 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

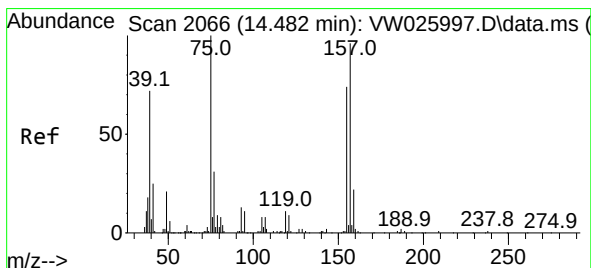
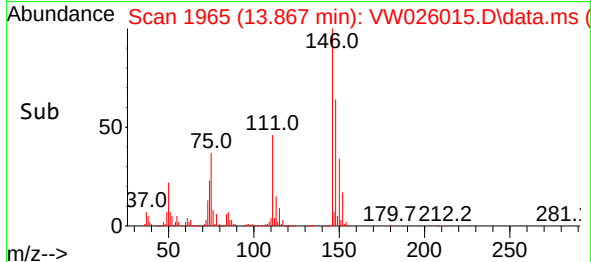
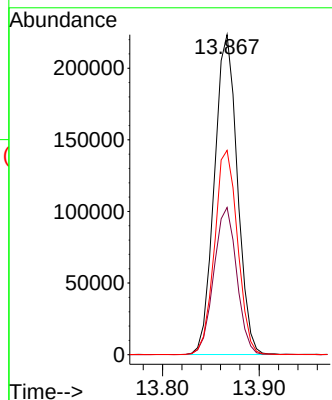
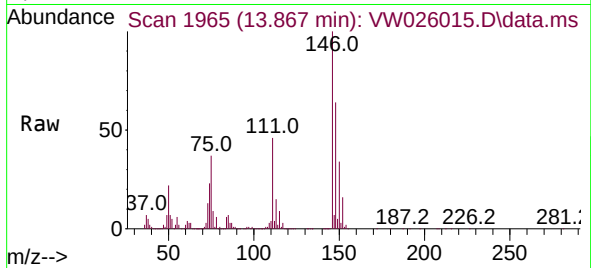
Tgt Ion:146 Resp: 368152

Ion Ratio Lower Upper

146 100

111 46.0 37.7 56.5

148 63.8 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.571 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

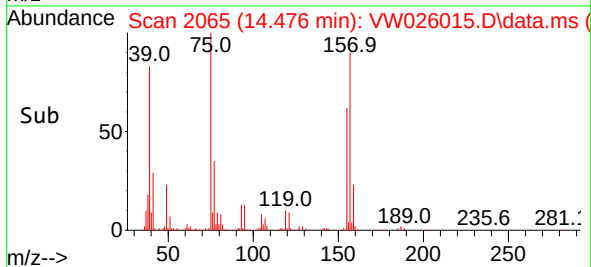
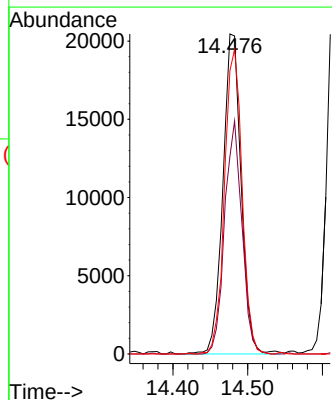
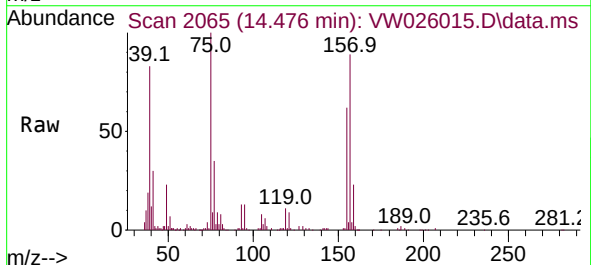
Tgt Ion: 75 Resp: 34761

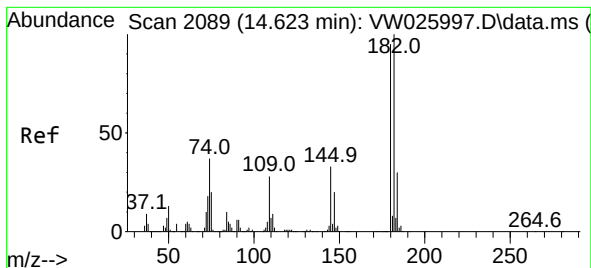
Ion Ratio Lower Upper

75 100

155 61.8 56.3 84.5

157 88.6 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 21.604 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

Tgt Ion:180 Resp: 252519

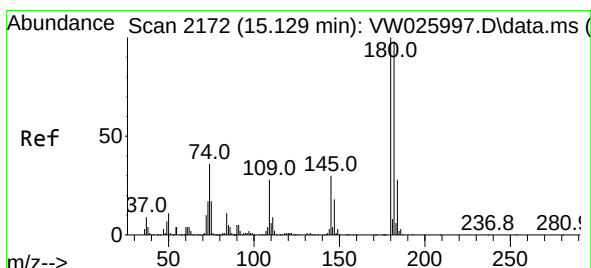
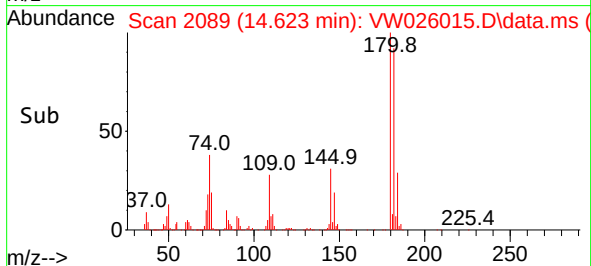
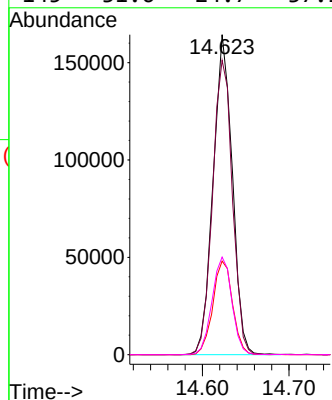
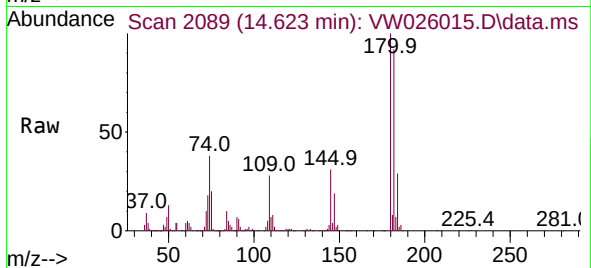
Ion Ratio Lower Upper

180 100

182 95.2 77.4 116.0

184 30.1 24.7 37.1

145 31.6 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 20.654 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

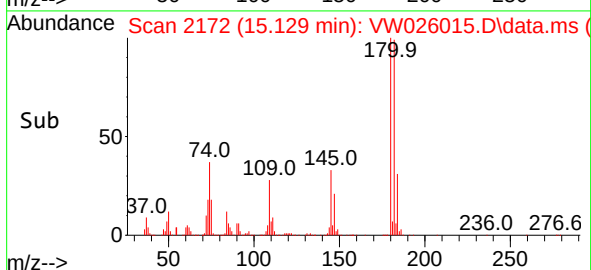
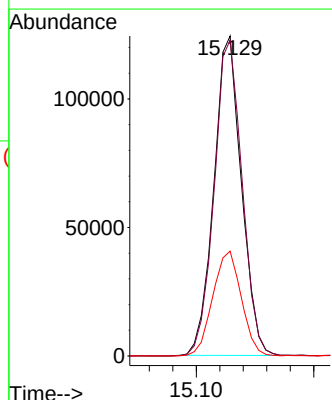
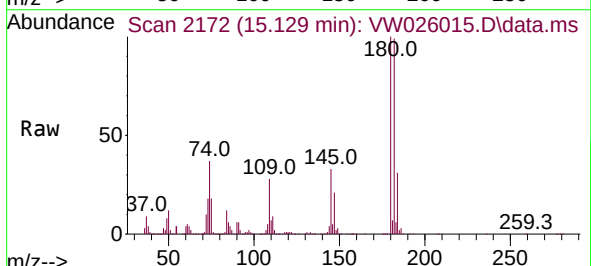
Tgt Ion:180 Resp: 202247

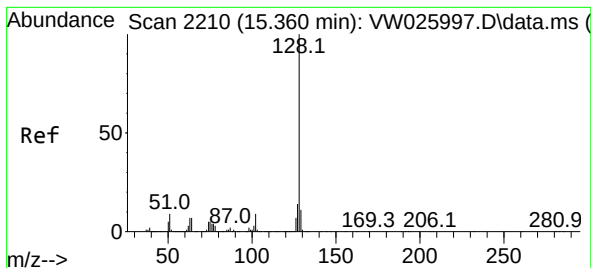
Ion Ratio Lower Upper

180 100

182 100.2 74.3 111.5

145 34.1 25.4 38.0





#71

Naphthalene

Concen: 23.930 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD025494

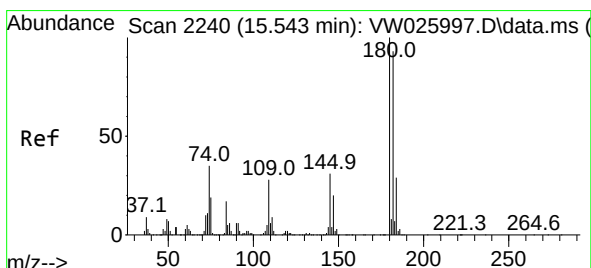
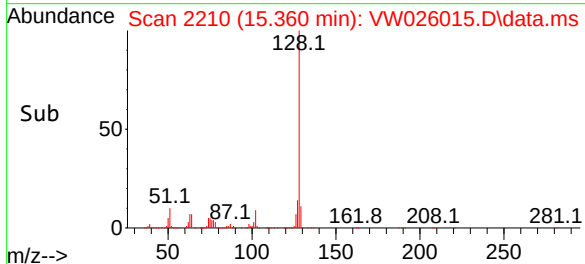
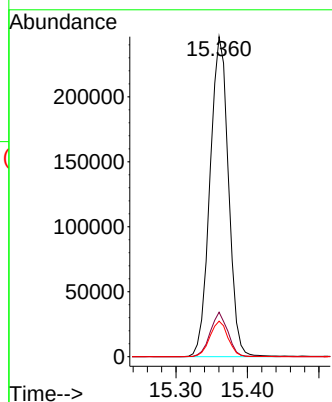
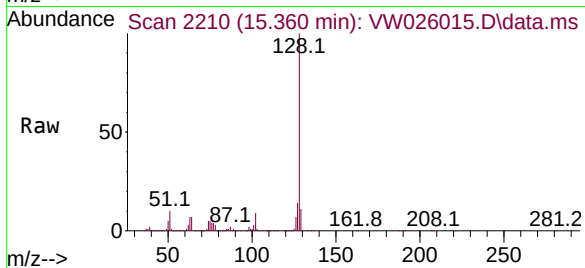
Tgt Ion:128 Resp: 442269

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 23.432 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW026015.D

Acq: 19 May 2023 19:16

Tgt Ion:180 Resp: 203588

Ion Ratio Lower Upper

180 100

182 91.3 76.1 114.1

145 34.7 28.0 42.0

