

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052423\
 Data File : VW026033.D
 Acq On : 24 May 2023 16:00
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025497

Quant Time: May 25 00:25:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 25 00:24:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	590819	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	547721	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	294806	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	139805	16.699	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.800%
7) Chloroethane-d5	2.893	69	129803	20.912	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.640%
11) 1,1-Dichloroethene-d2	4.021	65	74187	17.696	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.800%
21) 2-Butanone-d5	7.075	46	130788	47.254	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.500%
24) Chloroform-d	7.648	84	388541	22.807	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.240%
26) 1,2-Dichloroethane-d4	8.307	65	204432	21.221	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.880%
32) Benzene-d6	8.276	84	720142	20.122	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.480%
36) 1,2-Dichloropropane-d6	9.270	67	248702	21.719	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.880%
41) Toluene-d8	10.319	98	630192	19.747	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	10.581	79	92461	19.920	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.680%
47) 2-Hexanone-d5	10.922	63	92692	47.471	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.940%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	209924	24.052	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	13.849	152	218162	20.300	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	94133	14.261	ug/L	# 71
3) Chloromethane	2.223	50	222615	22.874	ug/L	100
5) Vinyl chloride	2.375	62	250588	24.876	ug/L	99
6) Bromomethane	2.790	94	134905	24.622	ug/L	97
8) Chloroethane	2.930	64	145999	25.489	ug/L	99
9) Trichlorofluoromethane	3.265	101	165161	21.725	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	214045	25.888	ug/L	98
12) 1,1-Dichloroethene	4.039	96	196337	24.848	ug/L	96
13) Acetone	4.119	43	106318	43.321	ug/L	96
14) Carbon disulfide	4.393	76	579757	21.696	ug/L	100
15) Methyl Acetate	4.673	43	114242	23.622	ug/L	98
16) Methylene chloride	4.917	84	274067	22.493	ug/L	94
17) trans-1,2-Dichloroethene	5.429	96	209534	24.308	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	331943	25.372	ug/L	99
19) 1,1-Dichloroethane	6.216	63	457643	25.840	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	235367	25.451	ug/L	98
22) 2-Butanone	7.167	43	152391	44.969	ug/L	98
23) Bromochloromethane	7.514	128	100195	25.574	ug/L	96
25) Chloroform	7.679	83	431192	26.490	ug/L	98

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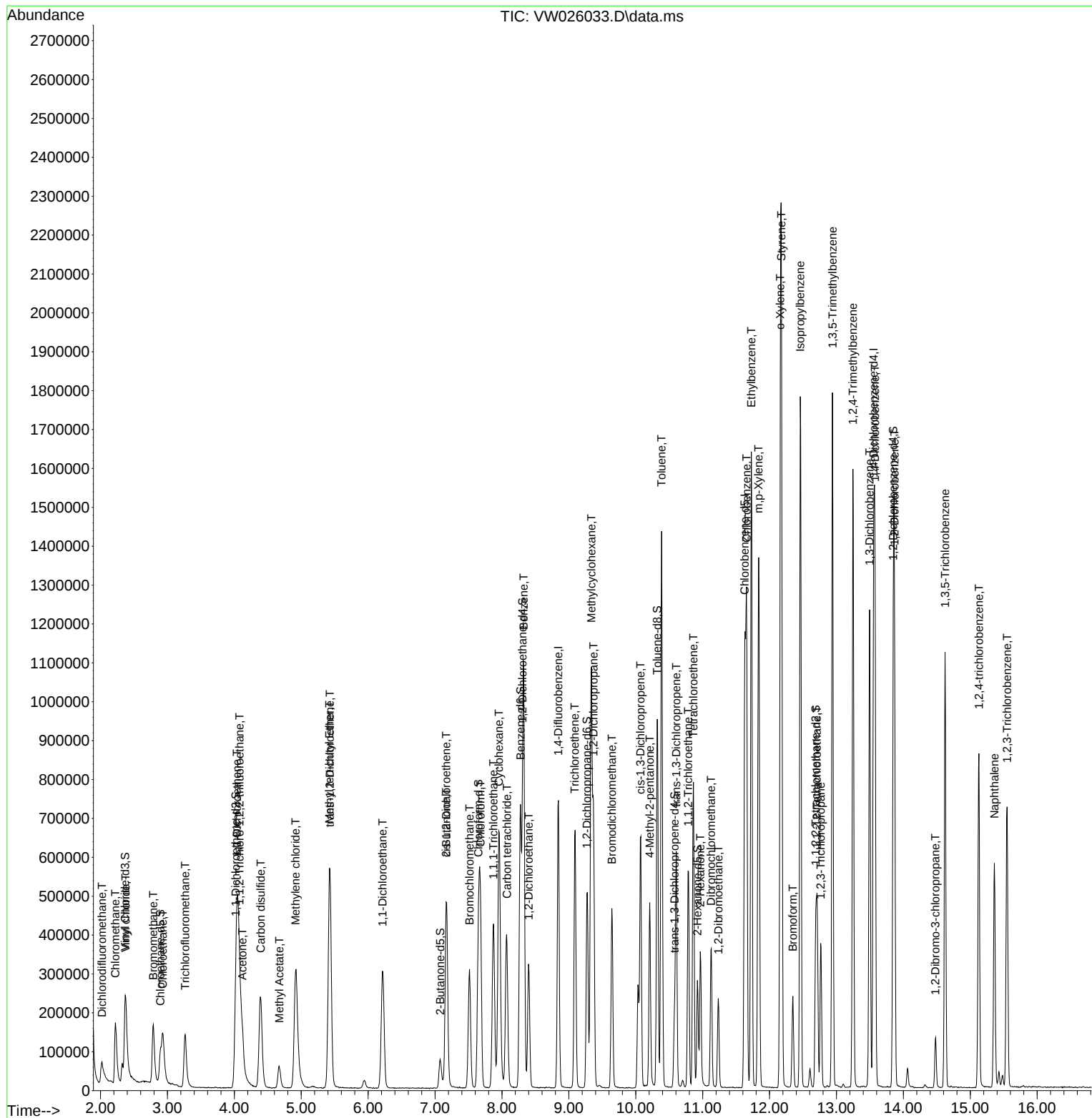
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	283845	24.554	ug/L	99
29) Cyclohexane	7.953	56	396020	23.332	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	339658	25.357	ug/L	99
31) Carbon tetrachloride	8.075	117	296384	24.586	ug/L	98
33) Benzene	8.325	78	940201	24.811	ug/L	100
34) Trichloroethene	9.087	95	237782	24.453	ug/L	93
35) Methylcyclohexane	9.337	83	410014	23.707	ug/L	99
37) 1,2-Dichloropropane	9.368	63	265823	25.604	ug/L	100
38) Bromodichloromethane	9.642	83	306714	25.750	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	374478	24.596	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	326296	48.285	ug/L	99
42) Toluene	10.386	91	989473	25.555	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	317553	25.172	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	171878	24.749	ug/L	98
46) Tetrachloroethene	10.861	164	166825	24.386	ug/L	91
48) 2-Hexanone	10.965	43	230620	47.637	ug/L	99
49) Dibromochloromethane	11.123	129	183607	25.537	ug/L	95
50) 1,2-Dibromoethane	11.233	107	152698	23.850	ug/L	100
51) Chlorobenzene	11.654	112	605730	25.253	ug/L	97
52) Ethylbenzene	11.727	91	1106899	25.414	ug/L	99
53) m,p-Xylene	11.837	106	413106	25.771	ug/L	96
54) o-Xylene	12.160	106	383585	25.387	ug/L	99
55) Styrene	12.178	104	692548	26.780	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.708	83	217231	25.068	ug/L	99
59) Bromoform	12.349	173	98938	22.657	ug/L	97
60) Isopropylbenzene	12.459	105	1115494	24.893	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	158102	22.692	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	880266	24.801	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	809751	24.723	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	455998	23.638	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	459883	23.597	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	406688	23.639	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.476	75	35231	21.806	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	310601	24.256	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	249951	23.300	ug/L	97
71) Naphthalene	15.360	128	461362	22.786	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	231410	24.312	ug/L	98

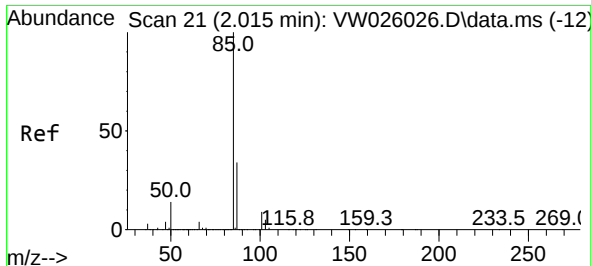
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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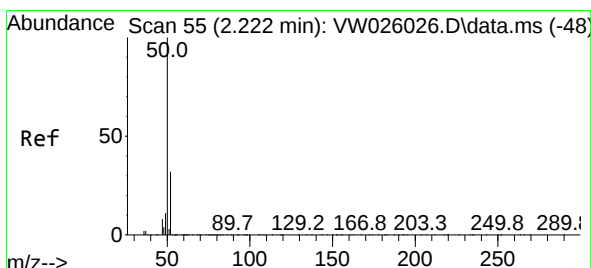
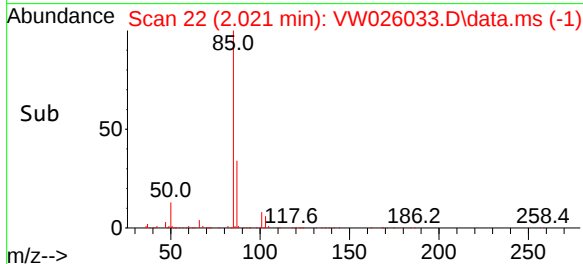
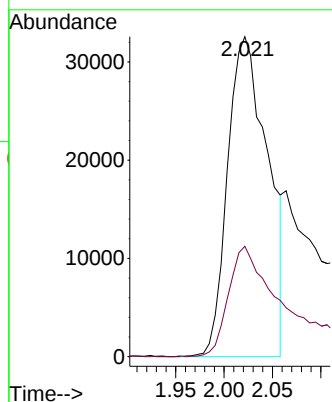
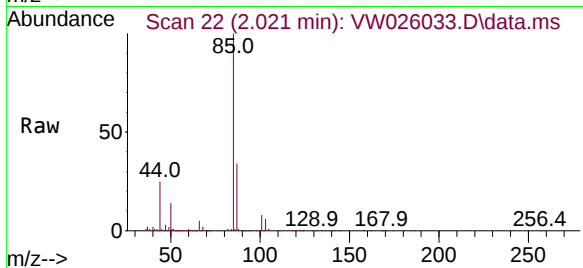




#2
Dichlorodifluoromethane
Concen: 14.261 ug/L
RT: 2.021 min Scan# 21
Delta R.T. 0.007 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

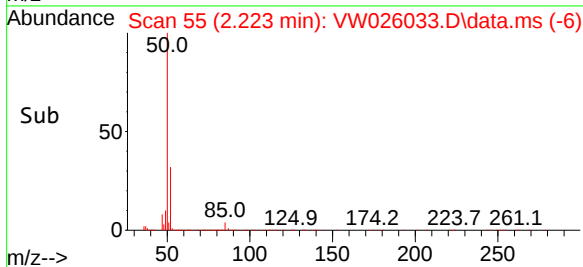
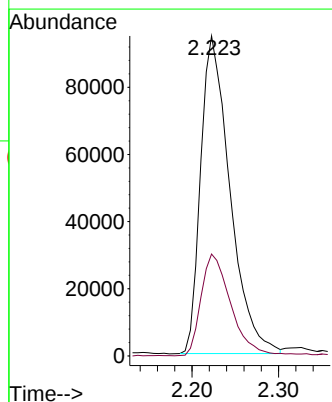
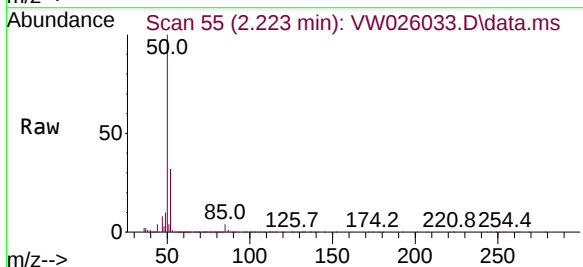
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MSVOA_W
ClientSampleId :
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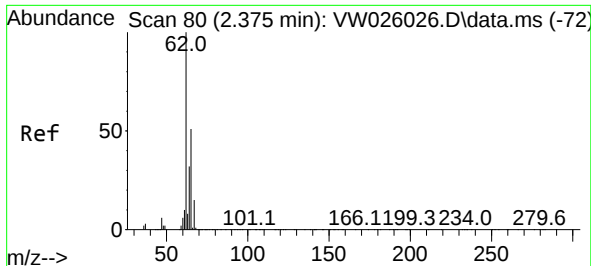
Tgt Ion: 85 Resp: 94133
Ion Ratio Lower Upper
85 100
87 46.6 24.7 37.1#



#3
Chloromethane
Concen: 22.874 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 50 Resp: 222615
Ion Ratio Lower Upper
50 100
52 31.9 22.1 41.1

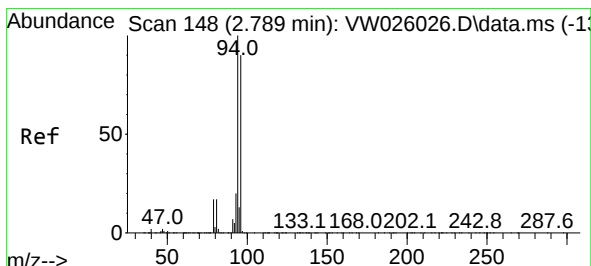
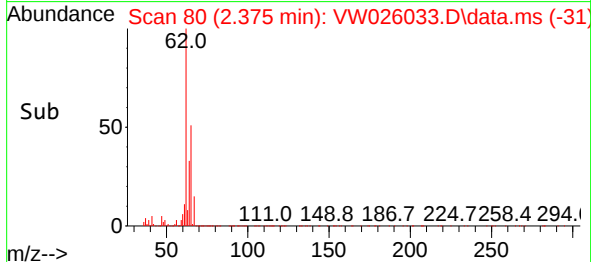
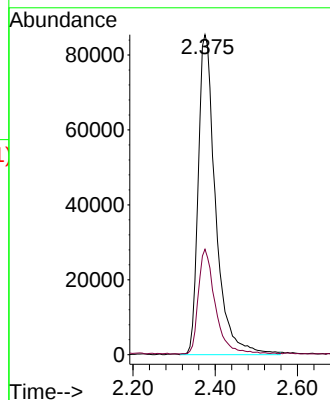
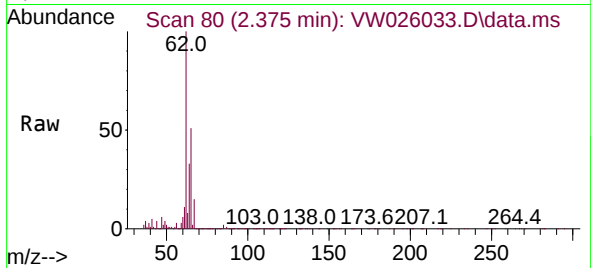




#5
 Vinyl chloride
 Concen: 24.876 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026033.D
 Acq: 24 May 2023 16:00

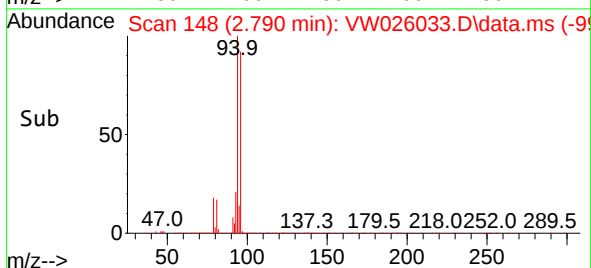
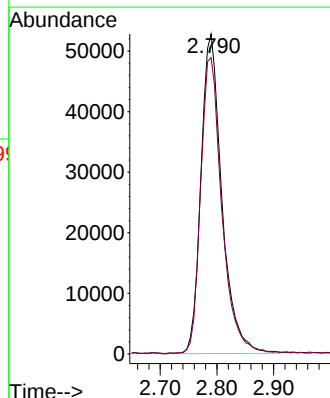
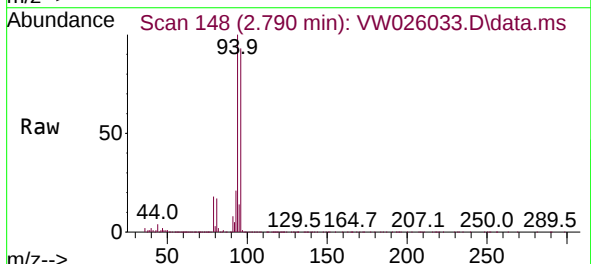
Instrument :
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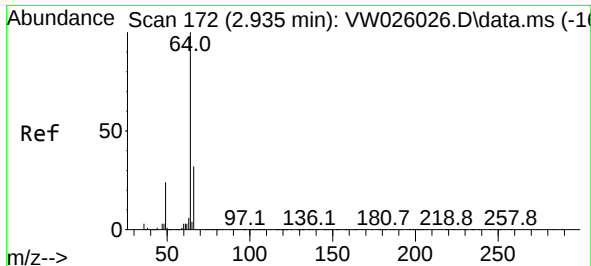
Tgt Ion: 62 Resp: 250588
 Ion Ratio Lower Upper
 62 100
 64 33.0 22.7 42.3



#6
 Bromomethane
 Concen: 24.622 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW026033.D
 Acq: 24 May 2023 16:00

Tgt Ion: 94 Resp: 134905
 Ion Ratio Lower Upper
 94 100
 96 92.6 63.1 117.1

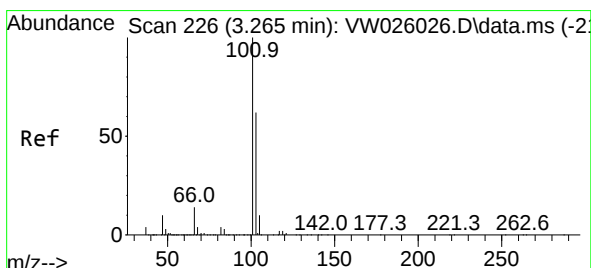
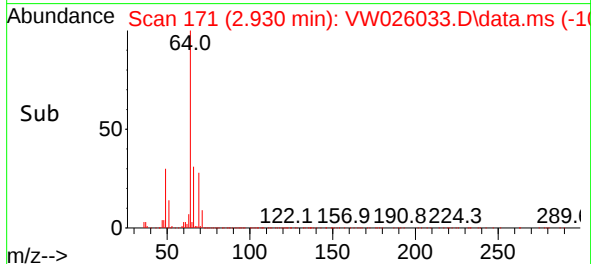
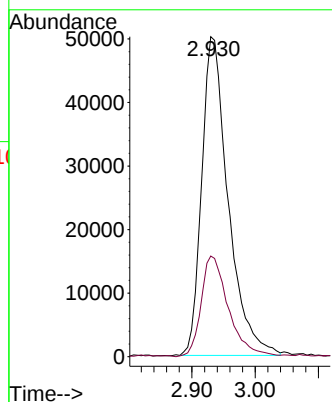
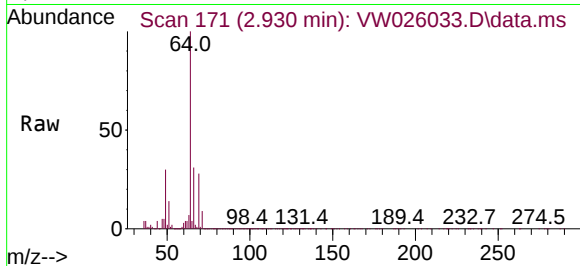




#8
Chloroethane
Concen: 25.489 ug/L
RT: 2.930 min Scan# 172
Delta R.T. -0.006 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

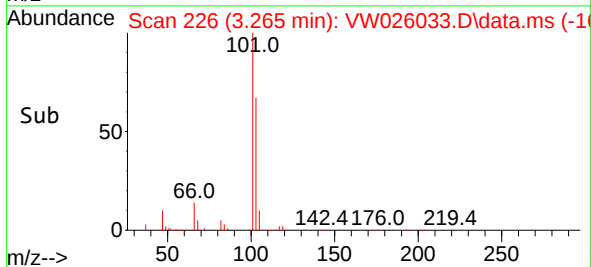
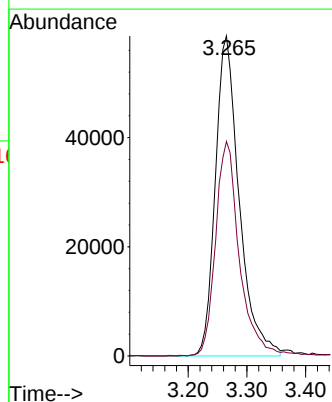
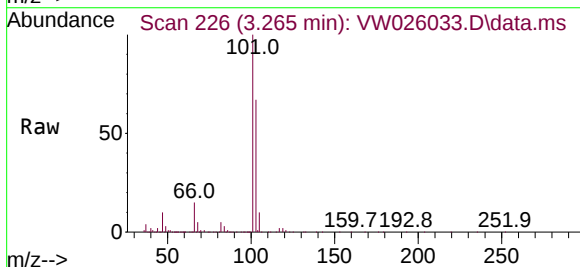
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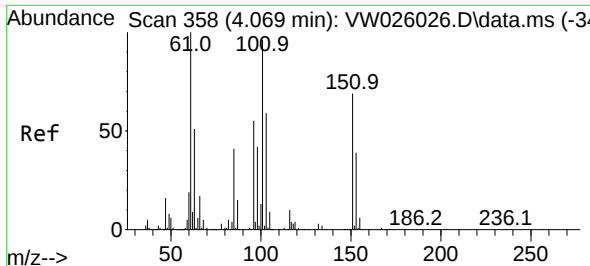
Tgt Ion: 64 Resp: 145999
Ion Ratio Lower Upper
64 100
66 31.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 21.725 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion:101 Resp: 165161
Ion Ratio Lower Upper
101 100
103 67.1 50.6 76.0

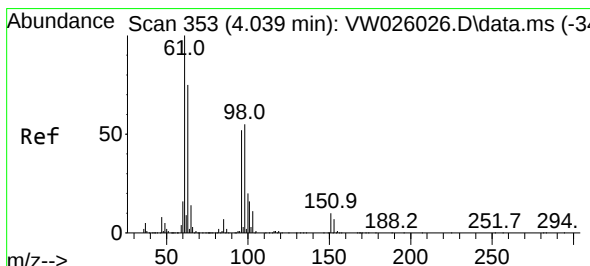
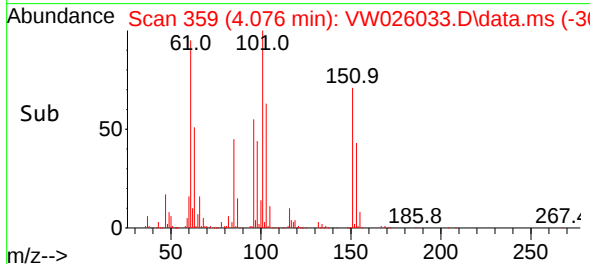
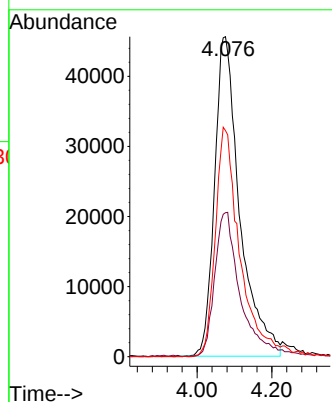
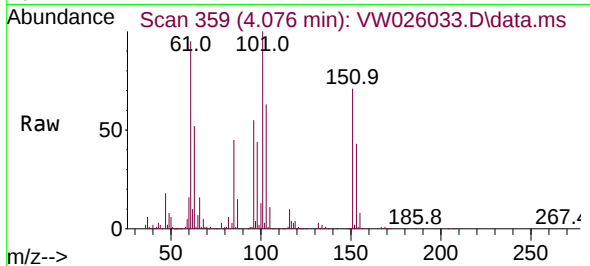




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.888 ug/L
 RT: 4.076 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VW026033.D
 Acq: 24 May 2023 16:00

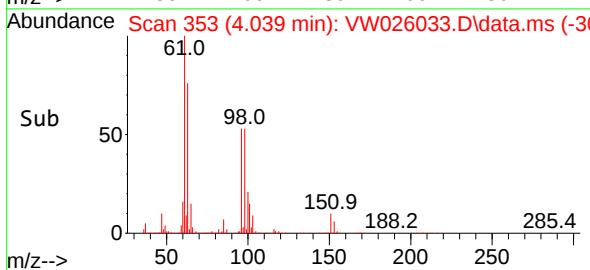
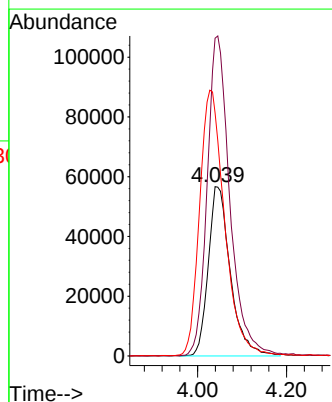
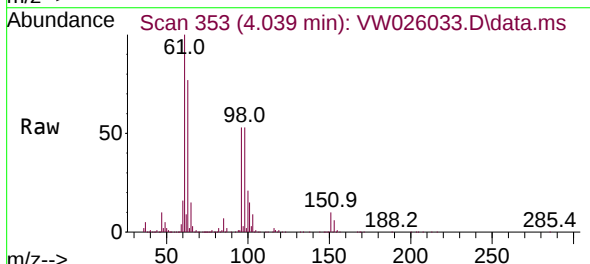
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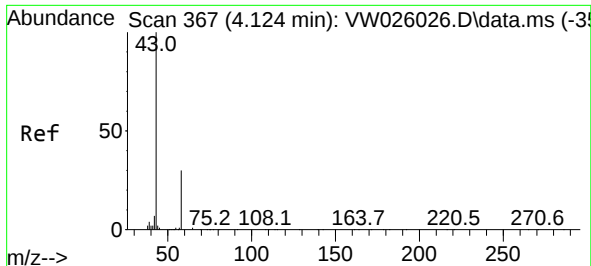
Tgt Ion:101 Resp: 214045
 Ion Ratio Lower Upper
 101 100
 85 45.0 33.9 50.9
 151 68.8 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 24.848 ug/L
 RT: 4.039 min Scan# 353
 Delta R.T. 0.000 min
 Lab File: VW026033.D
 Acq: 24 May 2023 16:00

Tgt Ion: 96 Resp: 196337
 Ion Ratio Lower Upper
 96 100
 61 187.7 135.0 250.8
 63 143.6 104.9 194.7

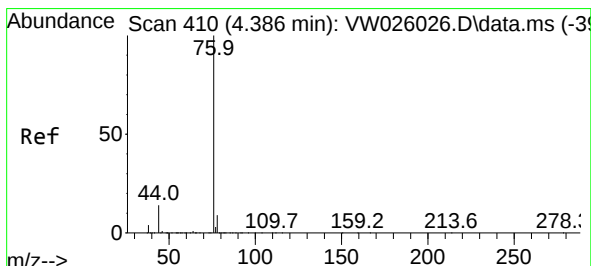
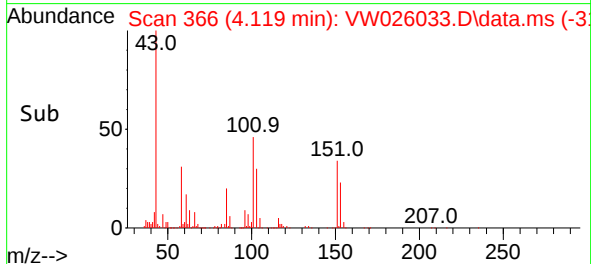
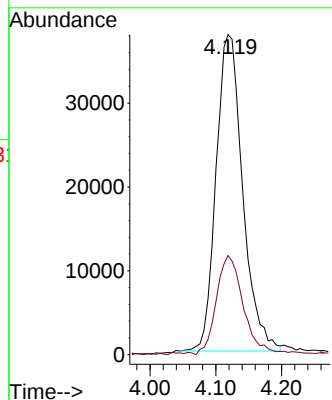
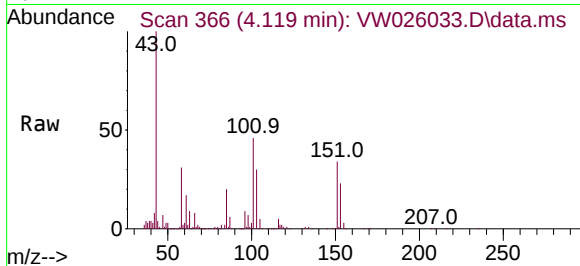




#13
Acetone
Concen: 43.321 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

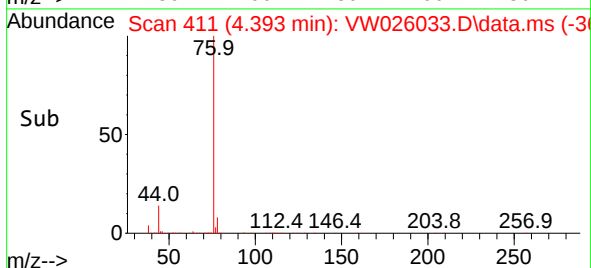
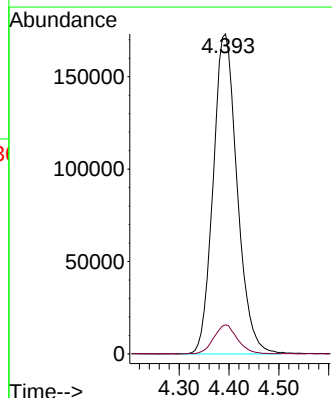
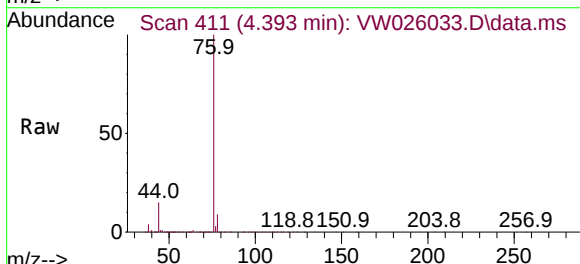
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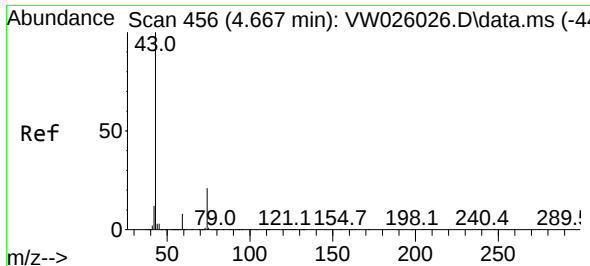
Tgt Ion: 43 Resp: 106318
Ion Ratio Lower Upper
43 100
58 31.4 0.0 58.2



#14
Carbon disulfide
Concen: 21.696 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.007 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 76 Resp: 579757
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

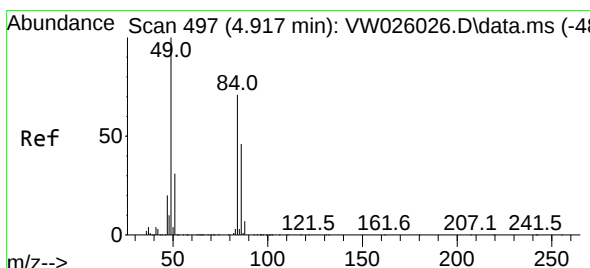
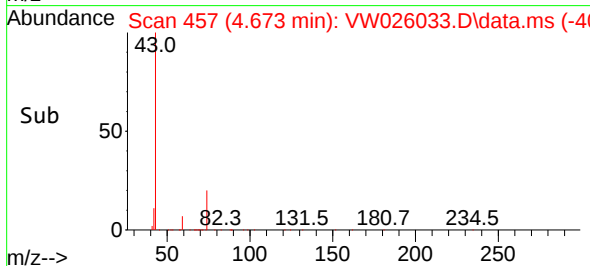
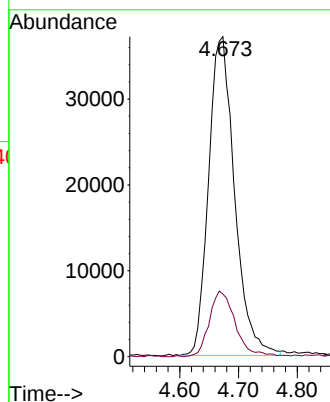
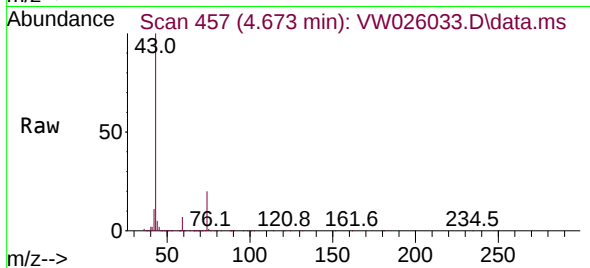




#15
Methyl Acetate
Concen: 23.622 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.007 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

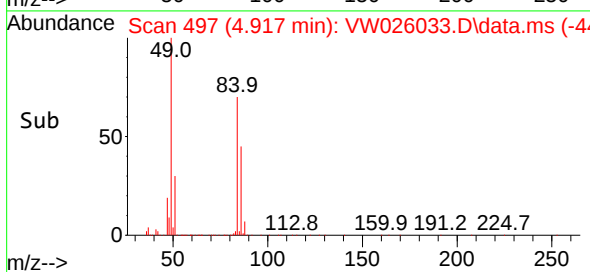
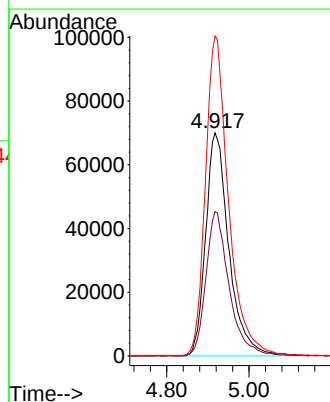
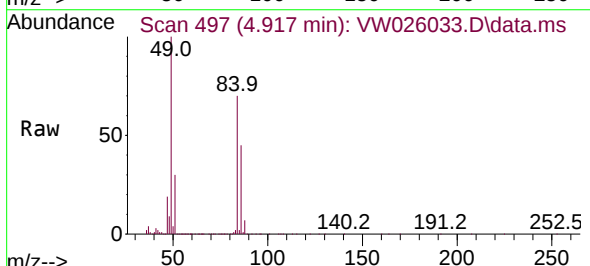
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

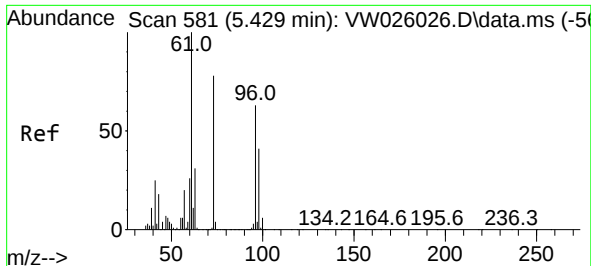
Tgt Ion: 43 Resp: 114242
Ion Ratio Lower Upper
43 100
74 19.8 16.5 24.7



#16
Methylene chloride
Concen: 22.493 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 84 Resp: 274067
Ion Ratio Lower Upper
84 100
86 64.7 41.7 77.5
49 143.5 95.3 177.1

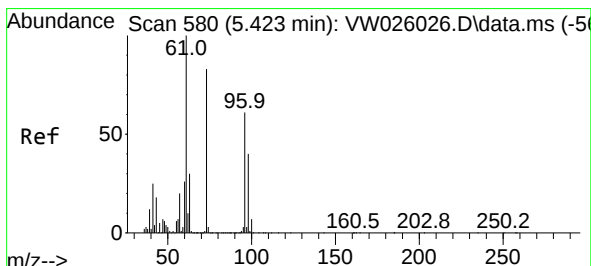
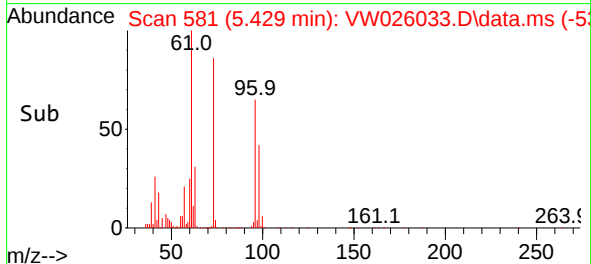
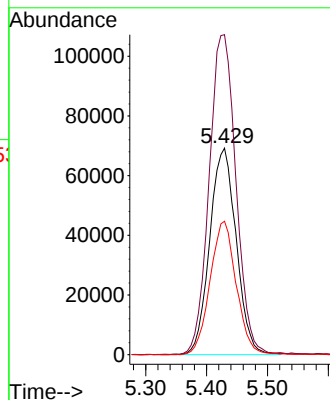
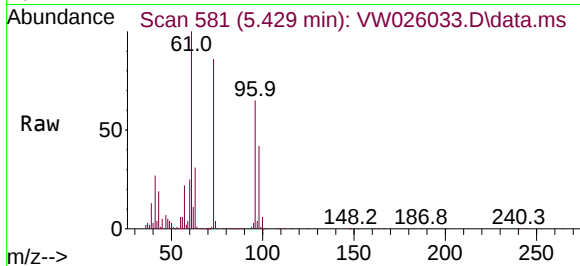




#17
trans-1,2-Dichloroethene
Concen: 24.308 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

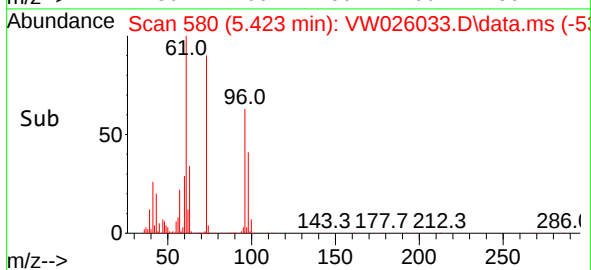
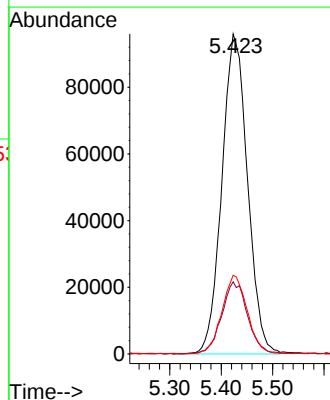
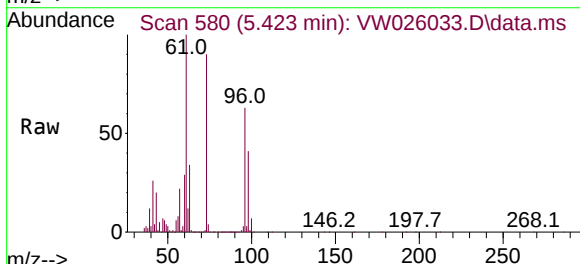
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

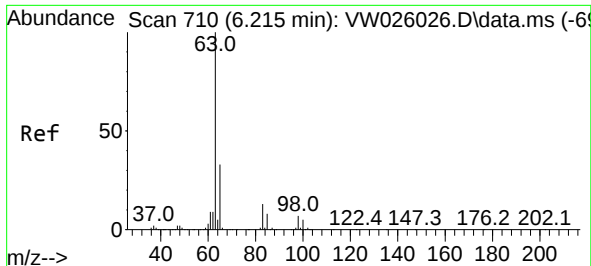
Tgt Ion: 96 Resp: 209534
Ion Ratio Lower Upper
96 100
61 154.9 108.1 200.9
98 64.5 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 25.372 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 73 Resp: 331943
Ion Ratio Lower Upper
73 100
43 22.4 18.2 27.4
57 24.4 19.2 28.8





#19

1,1-Dichloroethane

Concen: 25.840 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025497

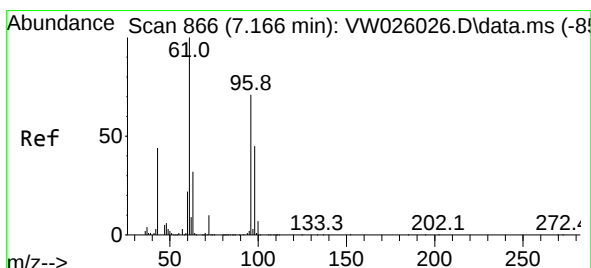
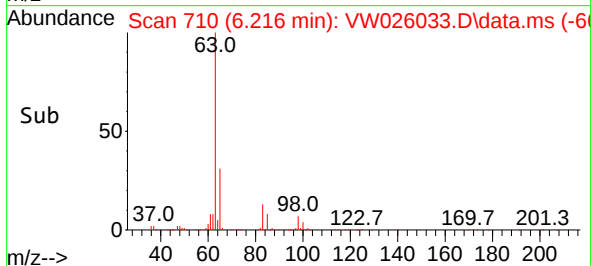
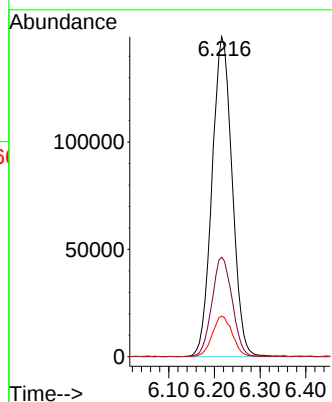
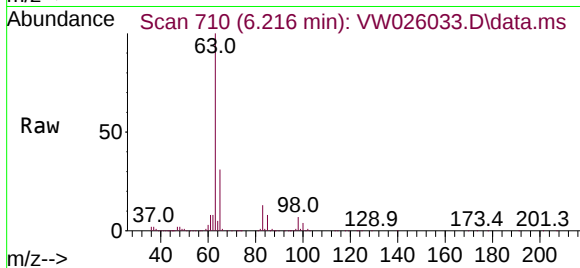
Tgt Ion: 63 Resp: 457643

Ion Ratio Lower Upper

63 100

65 31.1 22.4 41.6

83 12.7 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 25.451 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

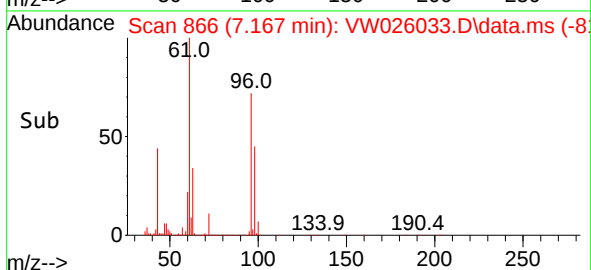
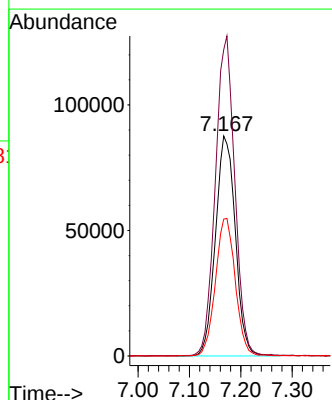
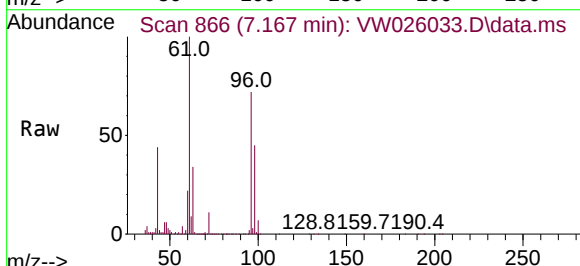
Tgt Ion: 96 Resp: 235367

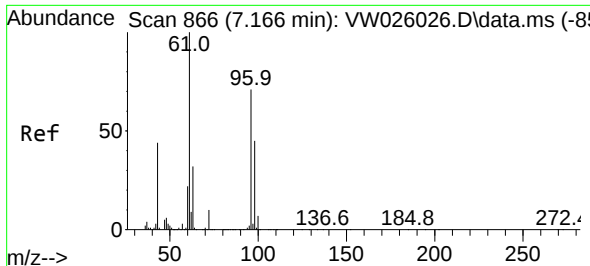
Ion Ratio Lower Upper

96 100

61 139.2 98.6 183.0

98 62.2 45.2 84.0

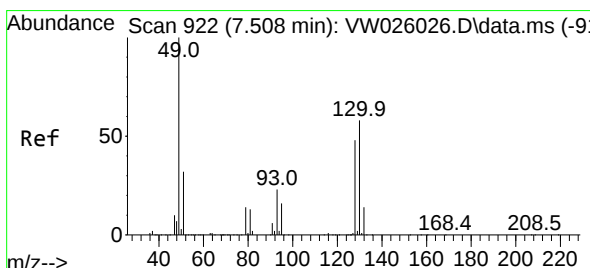
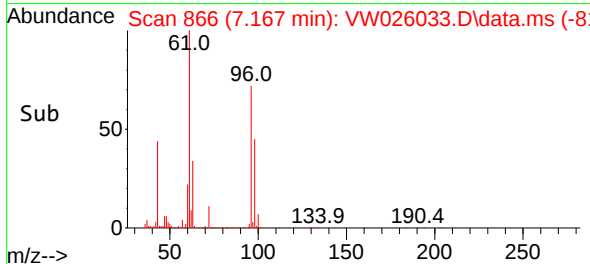
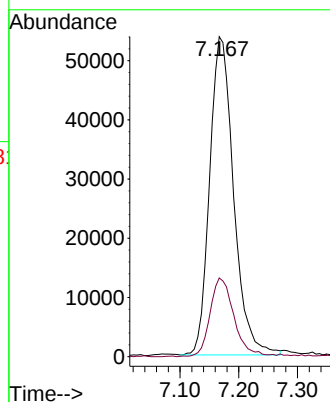
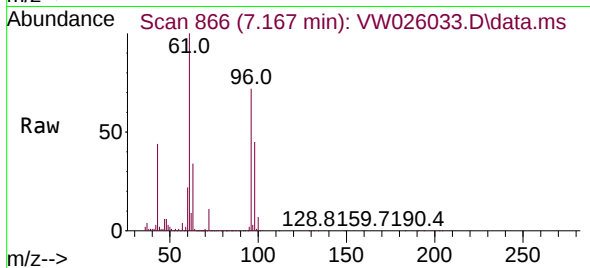




#22
2-Butanone
Concen: 44.969 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

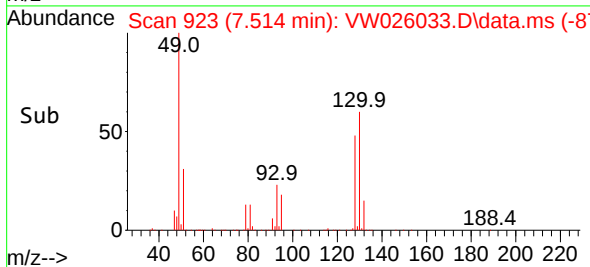
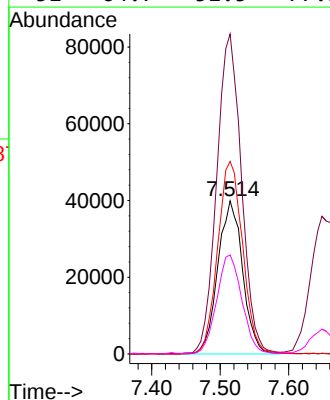
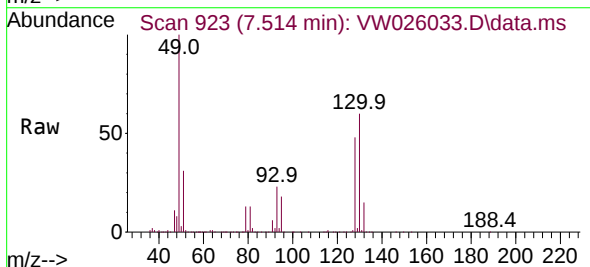
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

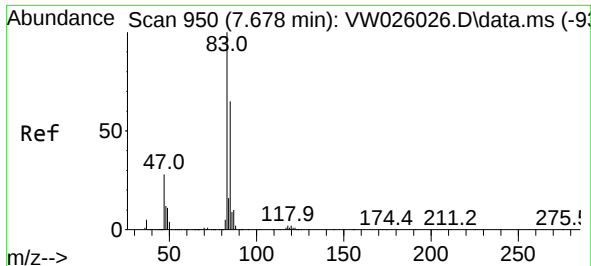
Tgt Ion: 43 Resp: 152391
Ion Ratio Lower Upper
43 100
72 24.5 11.8 35.4



#23
Bromochloromethane
Concen: 25.574 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.007 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 128 Resp: 100195
Ion Ratio Lower Upper
128 100
49 208.9 151.5 281.5
130 125.6 91.3 169.6
51 64.7 51.5 77.3

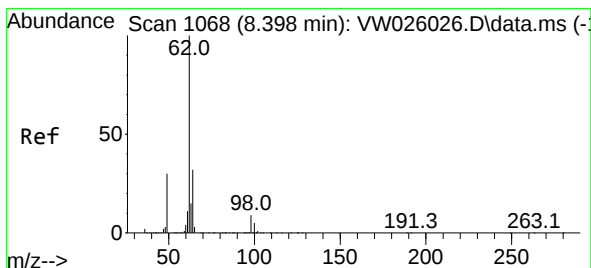
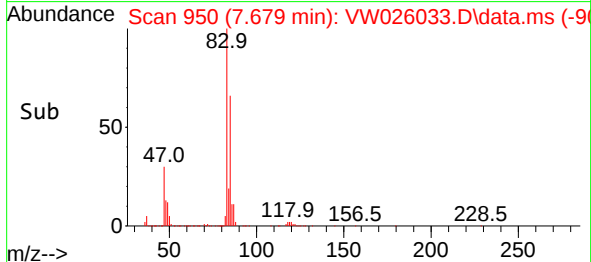
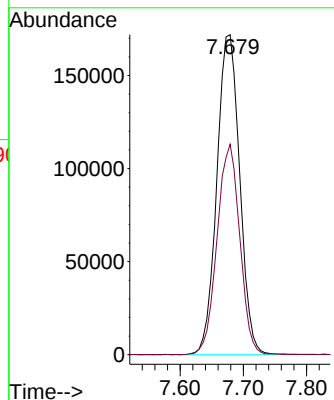
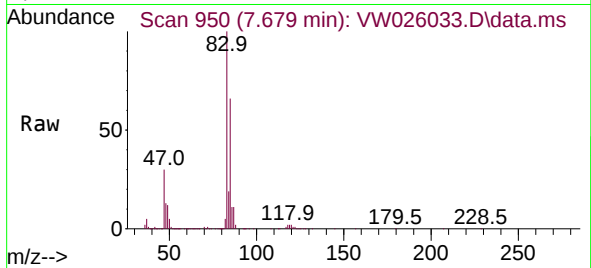




#25
Chloroform
Concen: 26.490 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

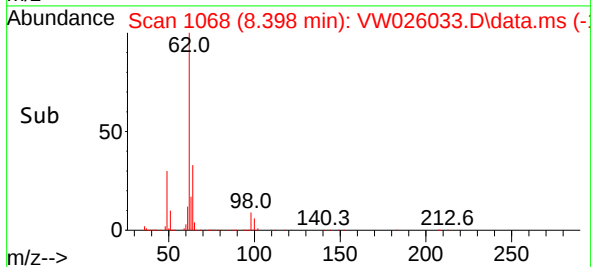
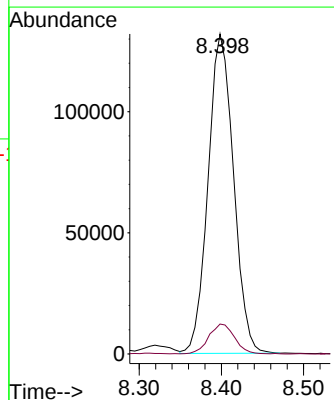
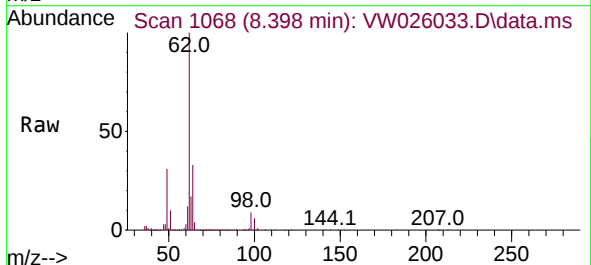
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

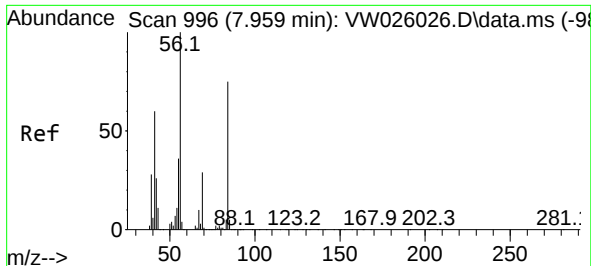
Tgt Ion: 83 Resp: 431192
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 24.554 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 62 Resp: 283845
Ion Ratio Lower Upper
62 100
98 9.4 7.2 10.8

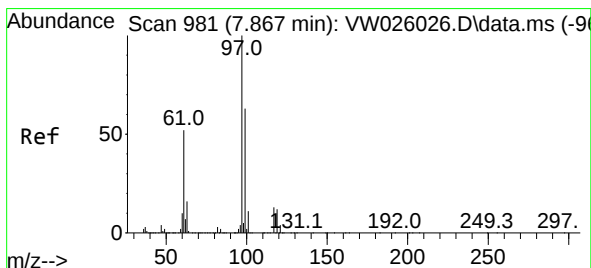
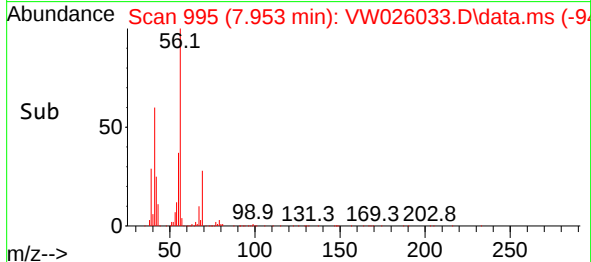
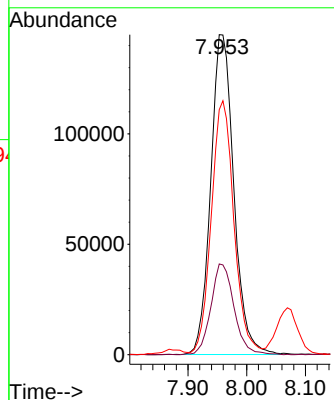
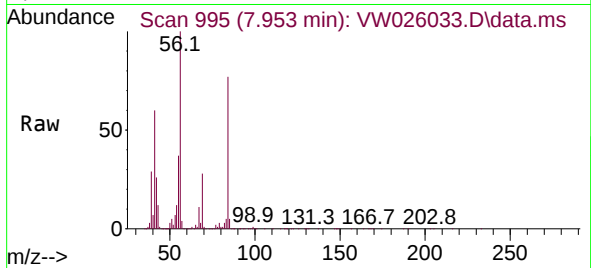




#29
Cyclohexane
Concen: 23.332 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

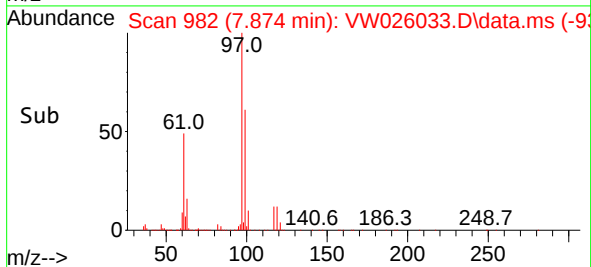
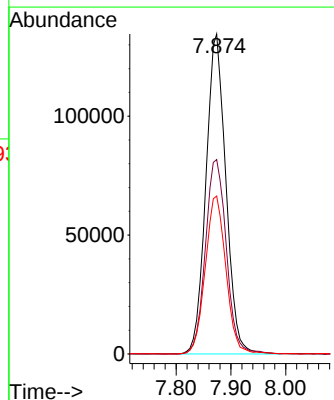
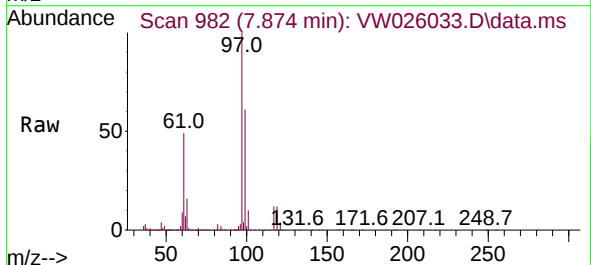
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

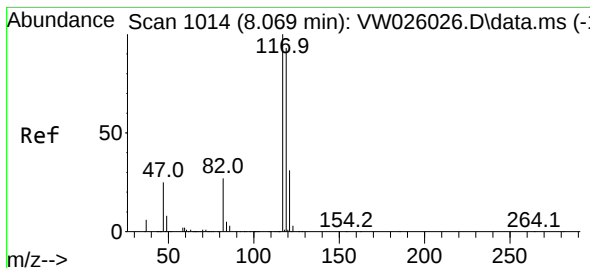
Tgt Ion: 56 Resp: 396020
Ion Ratio Lower Upper
56 100
69 28.2 23.4 35.0
84 77.8 63.3 94.9



#30
1,1,1-Trichloroethane
Concen: 25.357 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.007 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 97 Resp: 339658
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 51.0 40.4 60.6





#31

Carbon tetrachloride

Concen: 24.586 ug/L

RT: 8.075 min Scan# 1014

Delta R.T. 0.007 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

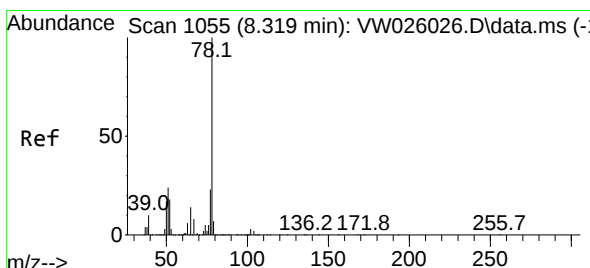
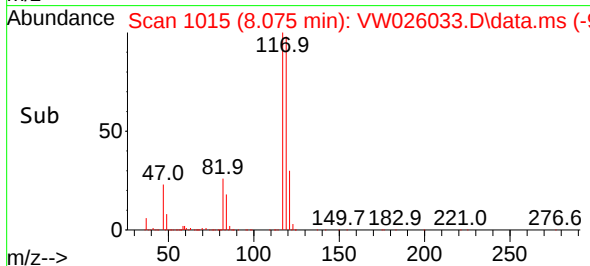
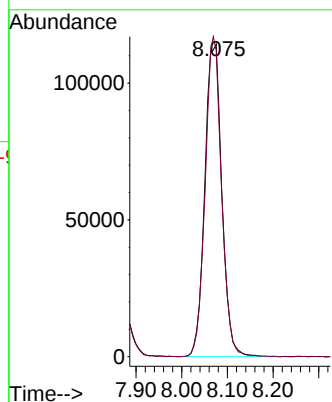
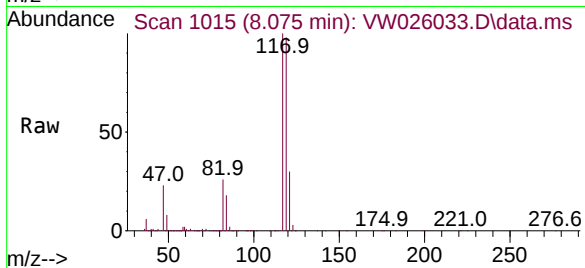
VSTD025497

Tgt Ion:117 Resp: 296384

Ion Ratio Lower Upper

117 100

119 97.7 76.9 115.3



#33

Benzene

Concen: 24.811 ug/L

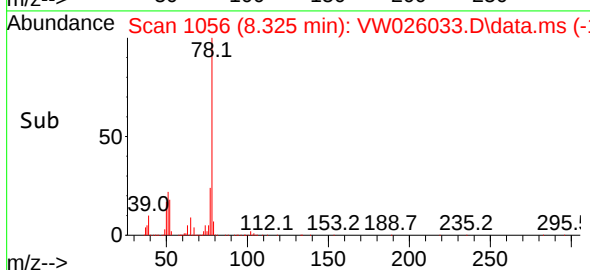
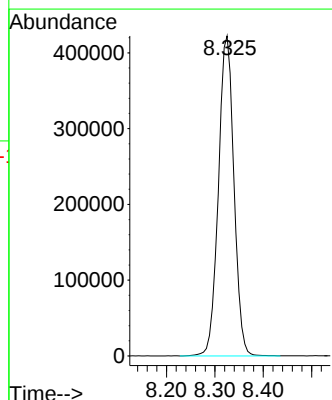
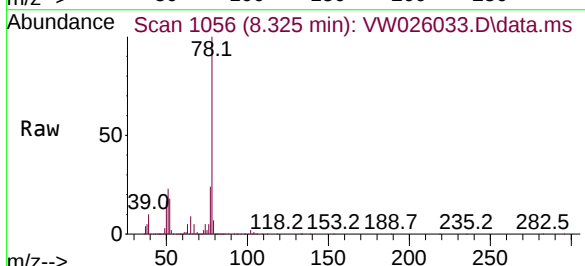
RT: 8.325 min Scan# 1056

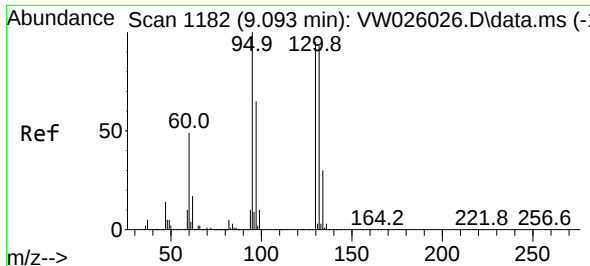
Delta R.T. 0.007 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Tgt Ion: 78 Resp: 940201

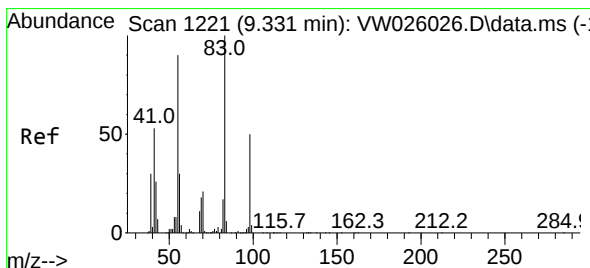
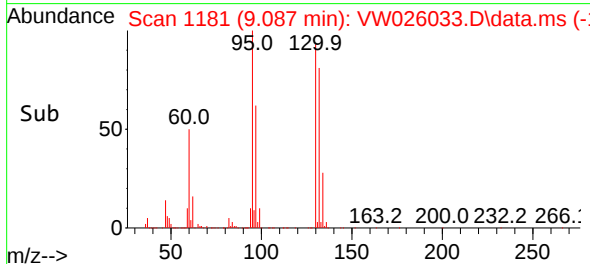
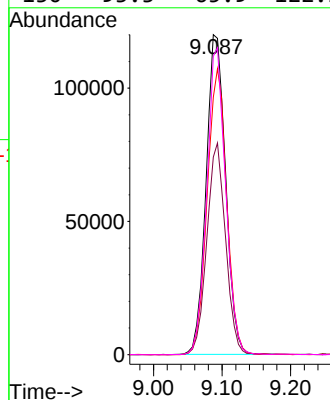
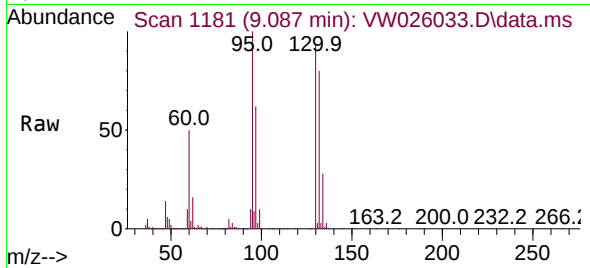




#34
Trichloroethene
Concen: 24.453 ug/L
RT: 9.087 min Scan# 1181
Delta R.T. -0.006 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

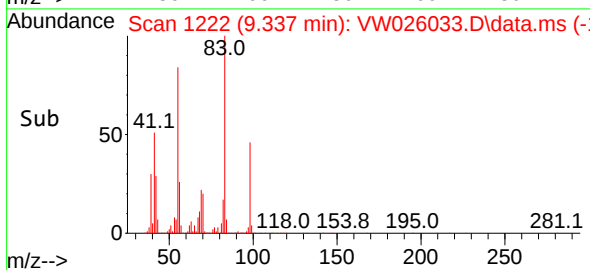
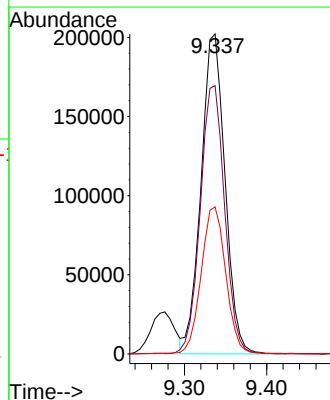
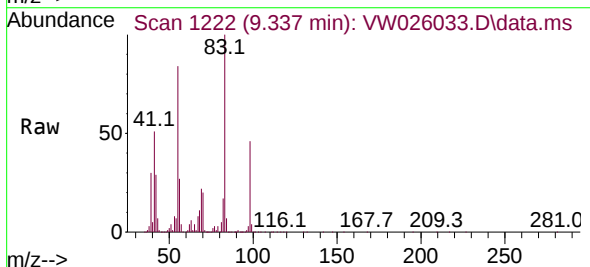
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

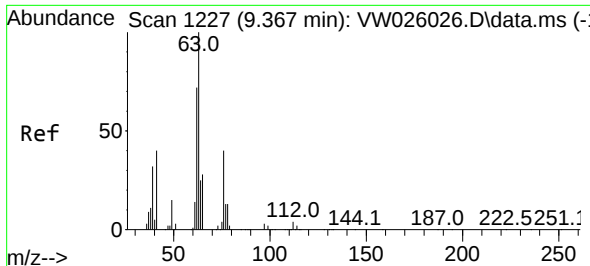
Tgt Ion: 95 Resp: 237782
Ion Ratio Lower Upper
95 100
97 61.8 45.9 85.3
132 80.5 66.0 122.6
130 93.3 65.9 122.3



#35
Methylcyclohexane
Concen: 23.707 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.007 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 83 Resp: 410014
Ion Ratio Lower Upper
83 100
55 85.2 69.0 103.4
98 47.4 37.1 55.7





#37

1,2-Dichloropropane

Concen: 25.604 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

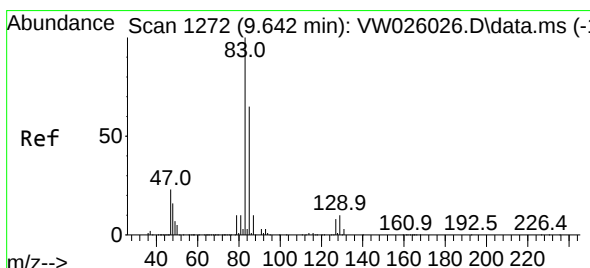
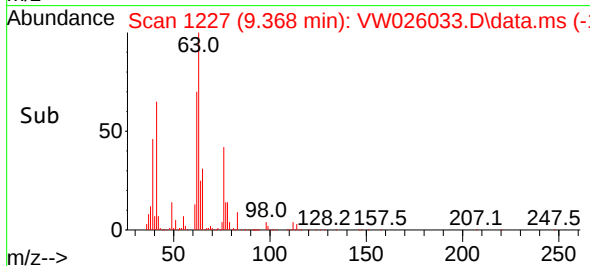
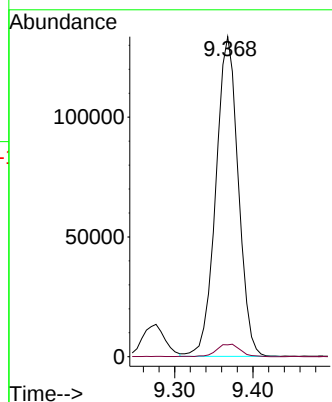
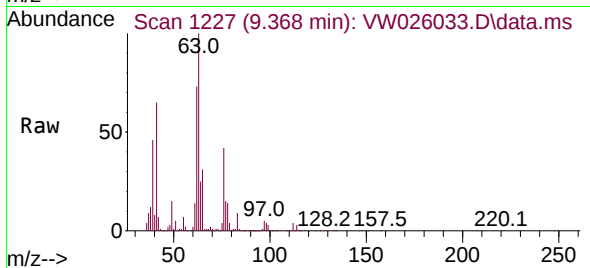
VSTD025497

Tgt Ion: 63 Resp: 265823

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 25.750 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

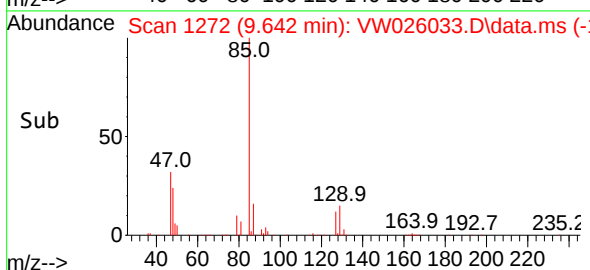
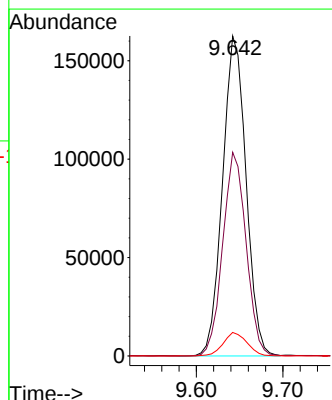
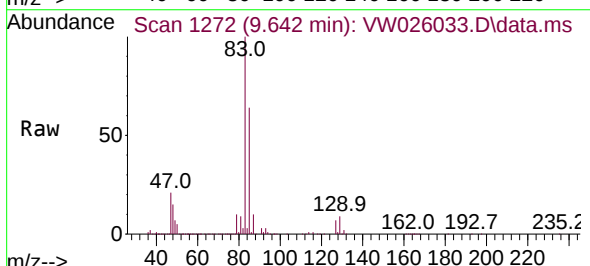
Tgt Ion: 83 Resp: 306714

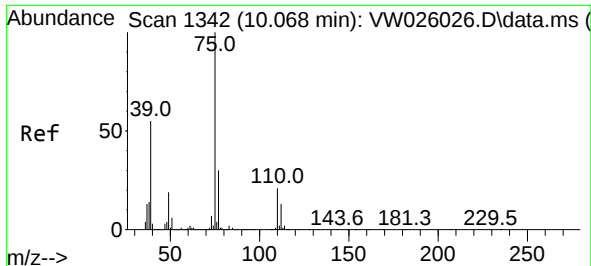
Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.5

127 7.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 24.596 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

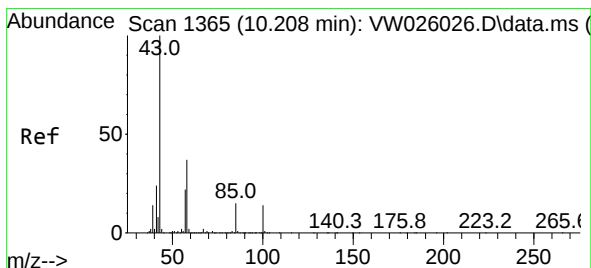
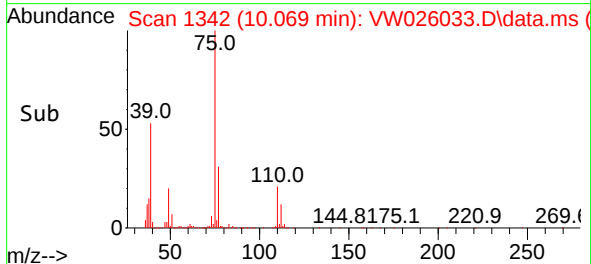
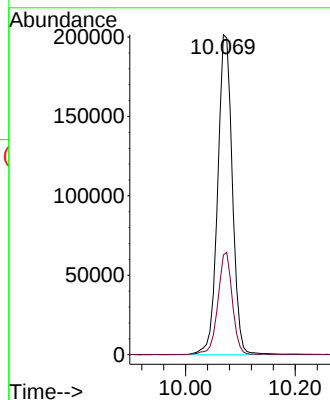
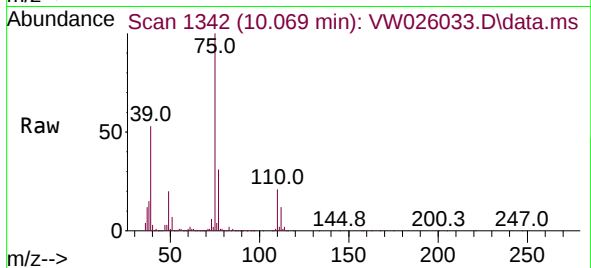
VSTD025497

Tgt Ion: 75 Resp: 374478

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 48.285 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

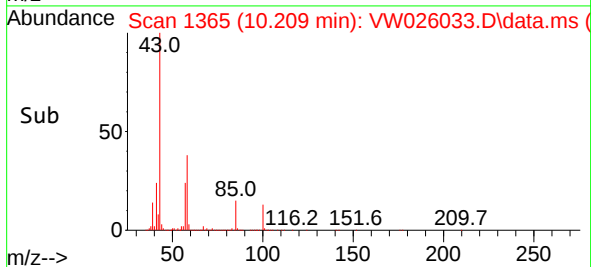
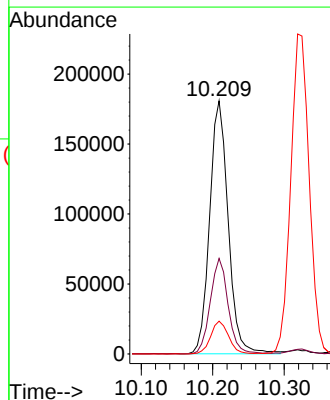
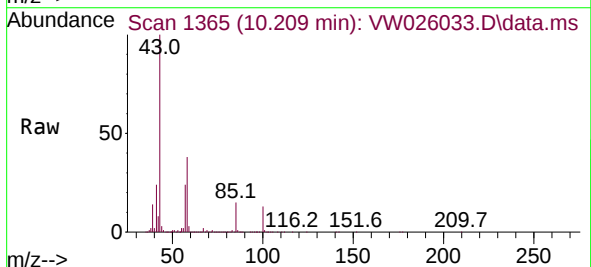
Tgt Ion: 43 Resp: 326296

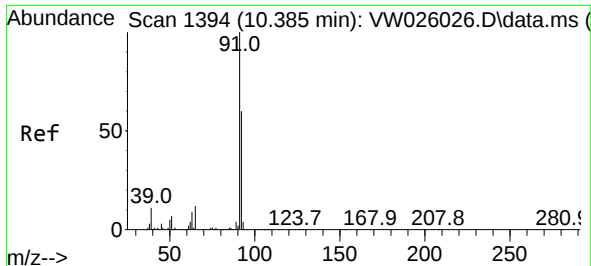
Ion Ratio Lower Upper

43 100

58 36.3 29.4 44.0

100 12.5 10.1 15.1

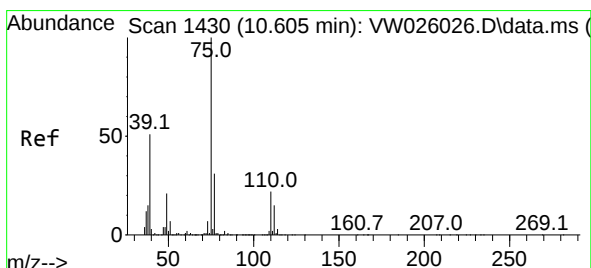
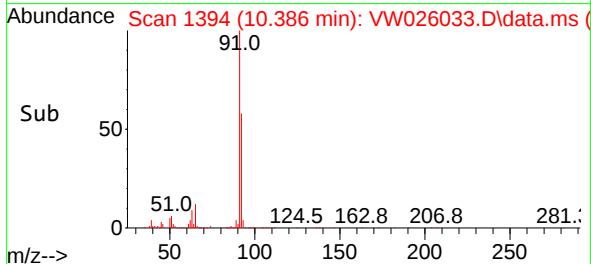
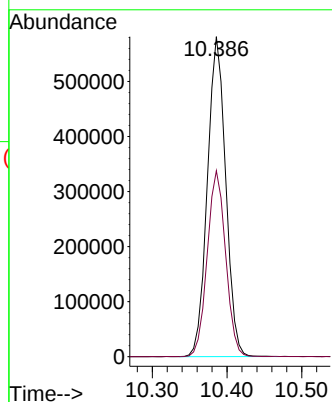
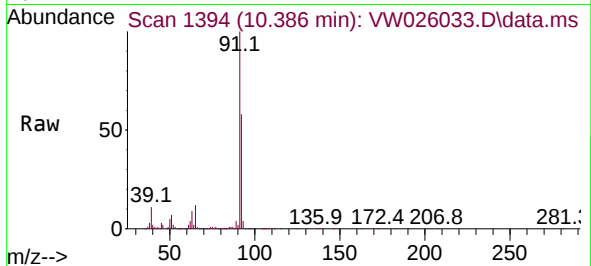




#42
Toluene
Concen: 25.555 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

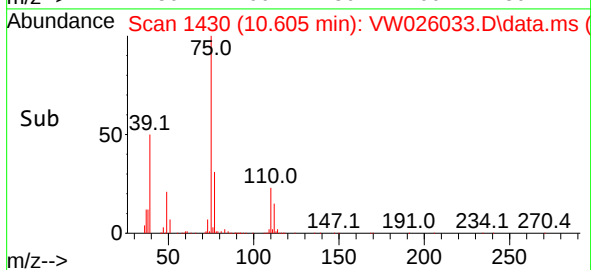
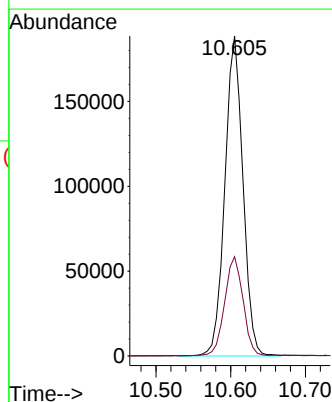
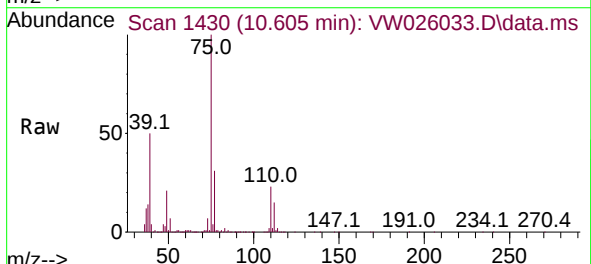
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

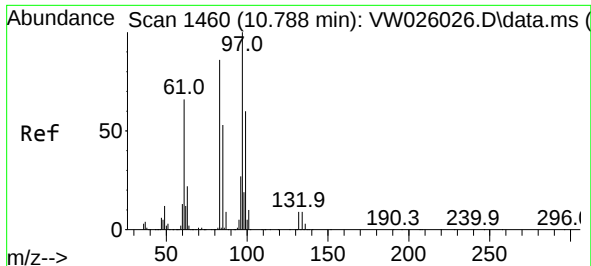
Tgt Ion: 91 Resp: 989473
Ion Ratio Lower Upper
91 100
92 58.1 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 25.172 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 75 Resp: 317553
Ion Ratio Lower Upper
75 100
77 31.0 21.8 40.4



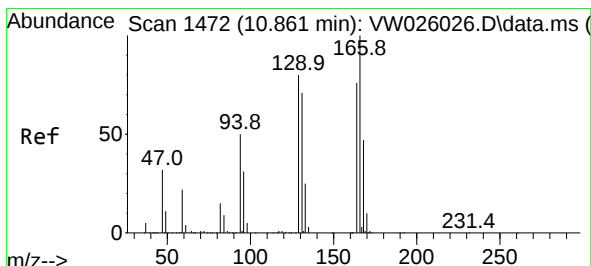
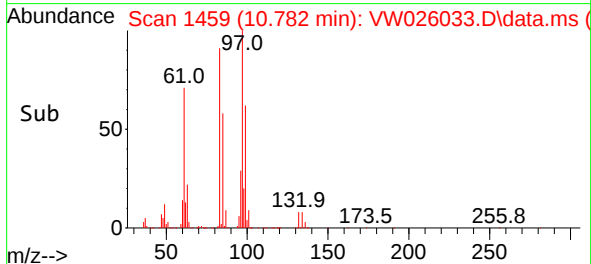
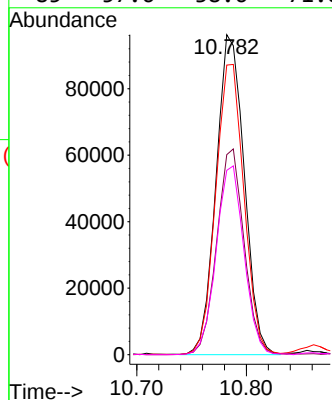
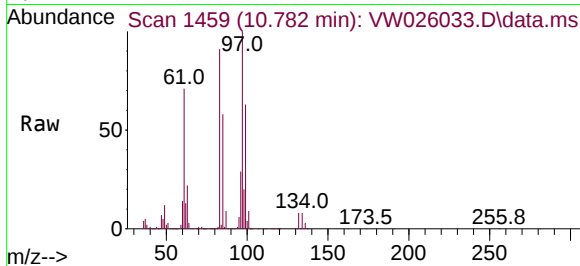


#45
1,1,2-Trichloroethane
Concen: 24.749 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

Tgt Ion: 97 Resp: 171878

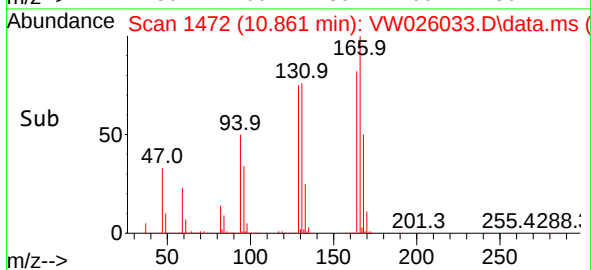
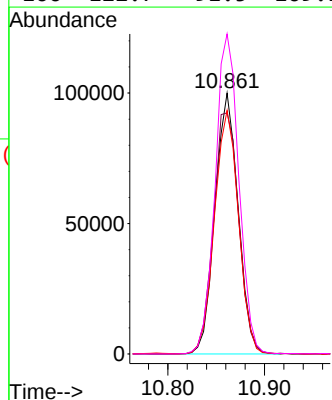
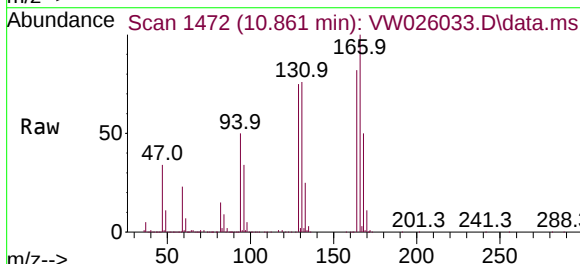
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.5	82.7
83	90.5	63.0	117.0
85	57.6	38.6	71.8

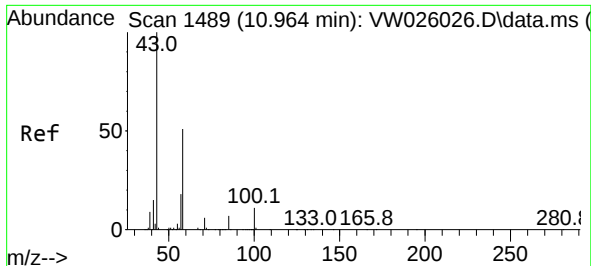


#46
Tetrachloroethene
Concen: 24.386 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion:164 Resp: 166825

Ion	Ratio	Lower	Upper
164	100		
129	92.5	74.3	138.1
131	93.4	71.3	132.3
166	122.7	91.5	169.9

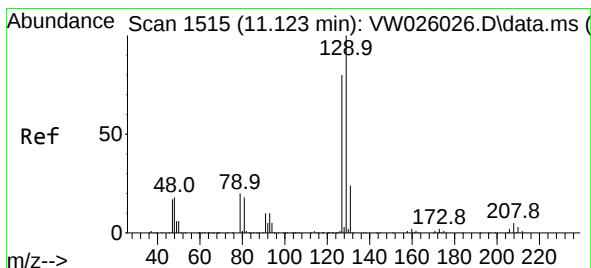
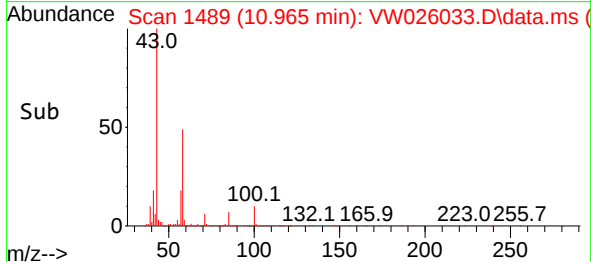
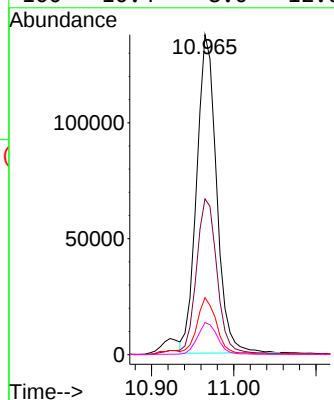
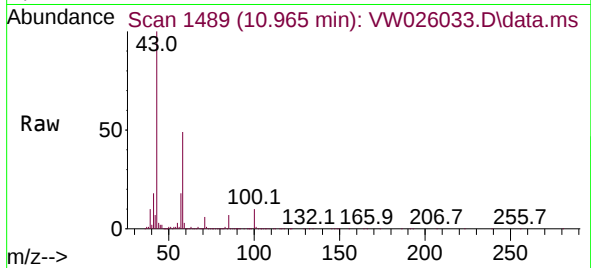




#48
2-Hexanone
Concen: 47.637 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

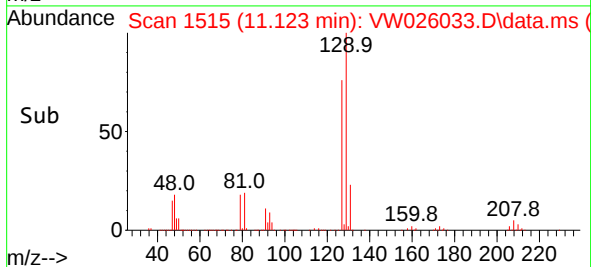
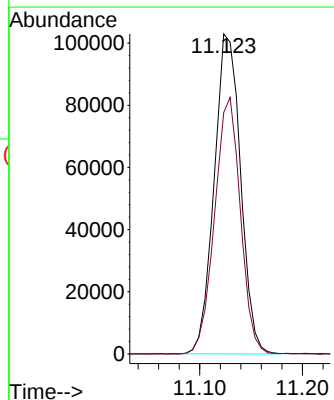
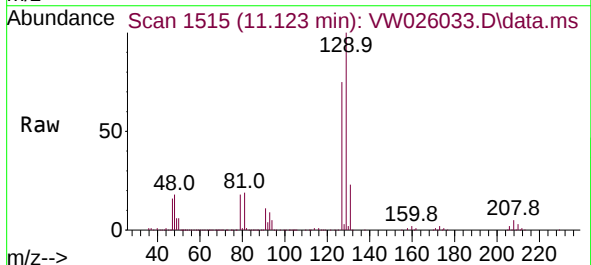
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

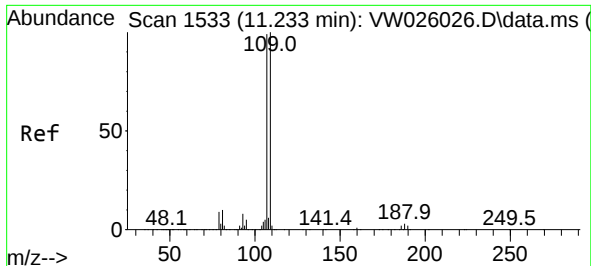
Tgt Ion: 43 Resp: 230620
Ion Ratio Lower Upper
43 100
58 51.1 40.8 61.2
57 18.0 13.6 20.4
100 10.4 8.0 12.0



#49
Dibromochloromethane
Concen: 25.537 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 129 Resp: 183607
Ion Ratio Lower Upper
129 100
127 75.5 56.1 104.3





#50

1,2-Dibromoethane

Concen: 23.850 ug/L

RT: 11.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025497

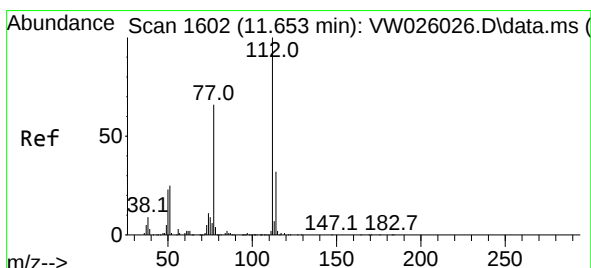
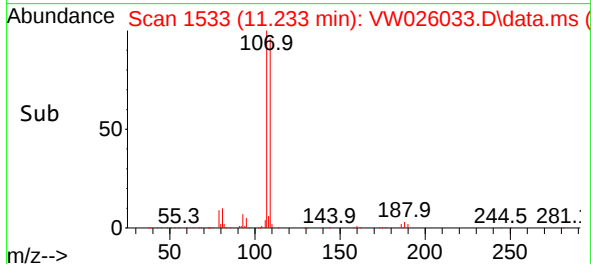
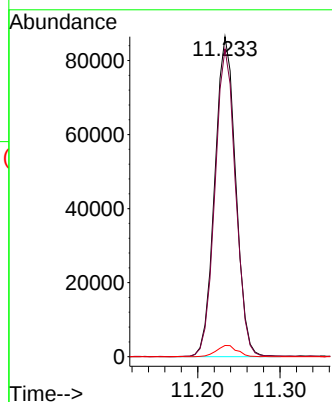
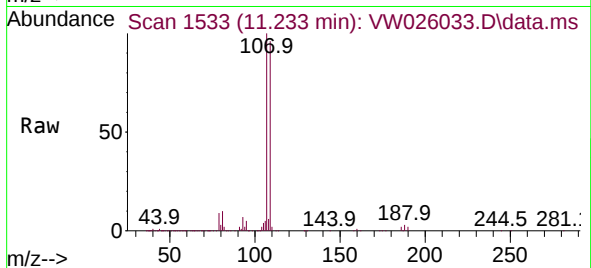
Tgt Ion:107 Resp: 152698

Ion Ratio Lower Upper

107 100

109 96.2 67.5 125.4

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 25.253 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

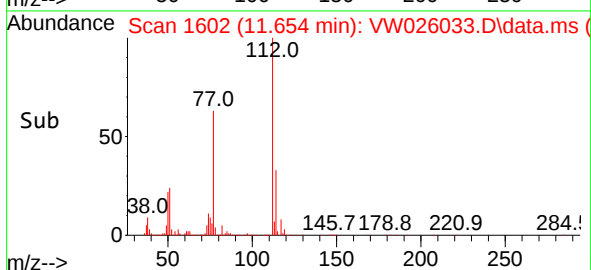
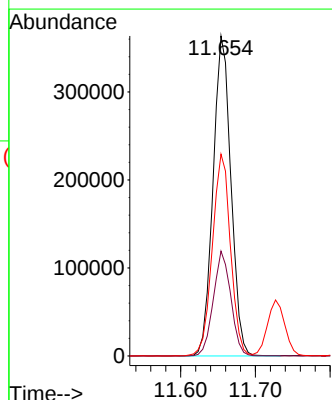
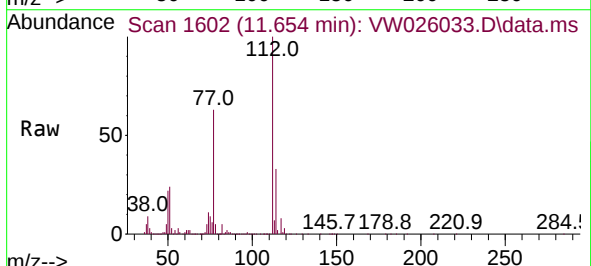
Tgt Ion:112 Resp: 605730

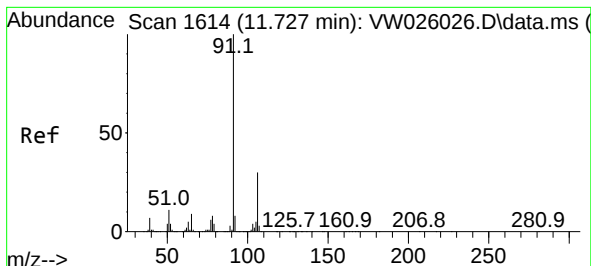
Ion Ratio Lower Upper

112 100

114 32.7 22.7 42.3

77 63.0 53.0 79.6

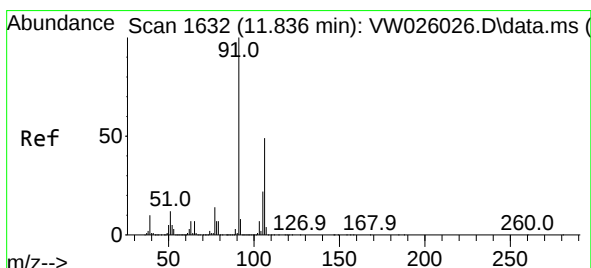
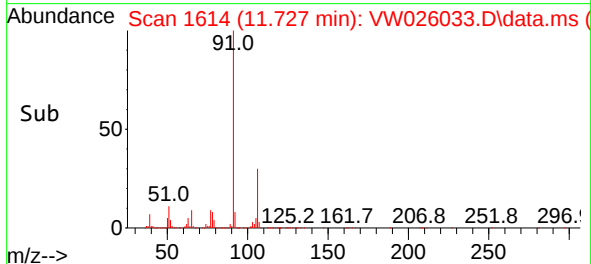
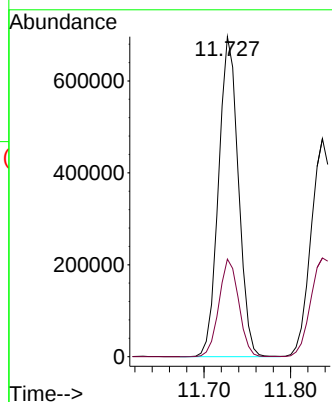
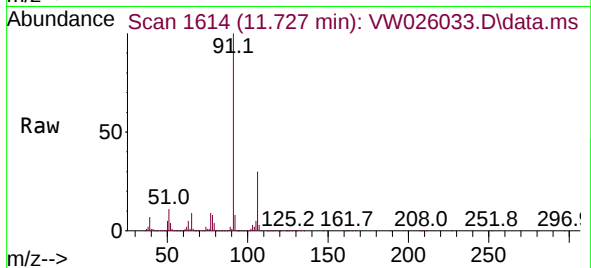




#52
Ethylbenzene
Concen: 25.414 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

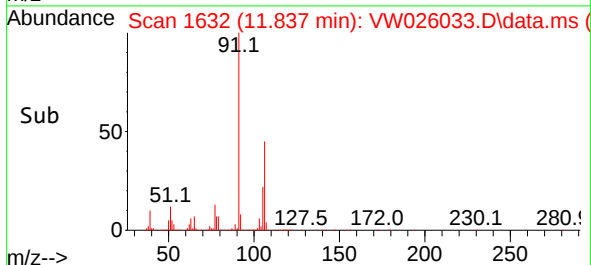
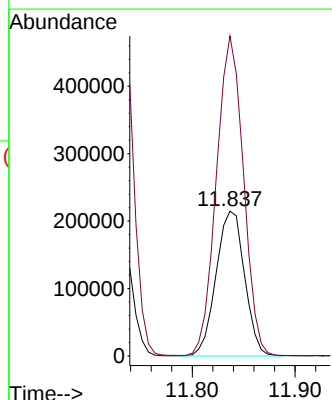
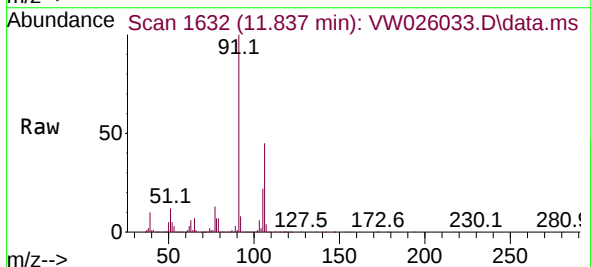
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

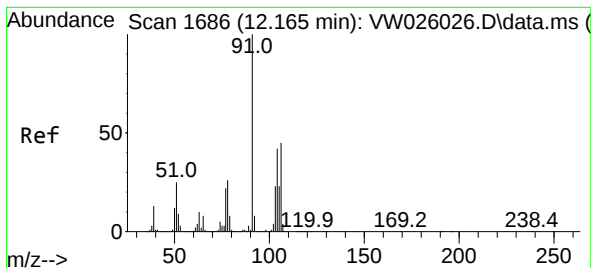
Tgt Ion: 91 Resp: 1106899
Ion Ratio Lower Upper
91 100
106 30.5 20.8 38.6



#53
m,p-Xylene
Concen: 25.771 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 106 Resp: 413106
Ion Ratio Lower Upper
106 100
91 221.0 150.1 278.9

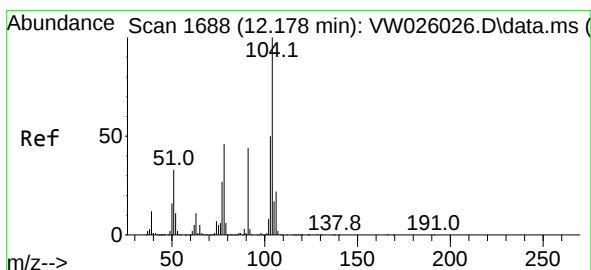
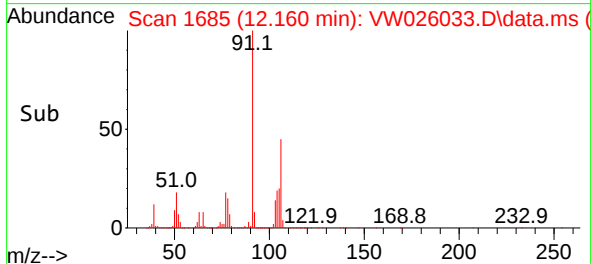
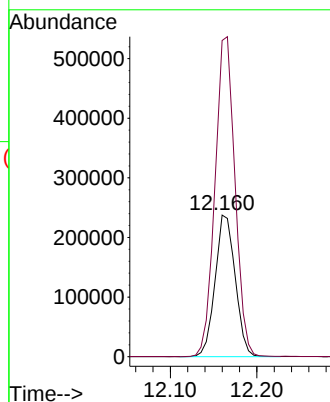
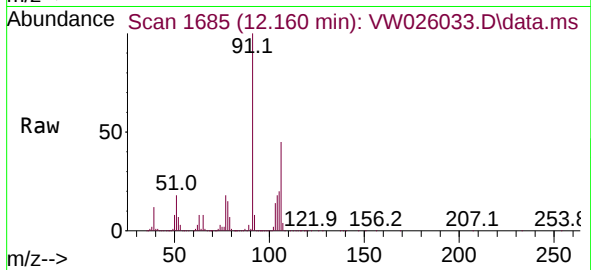




#54
o-Xylene
Concen: 25.387 ug/L
RT: 12.160 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

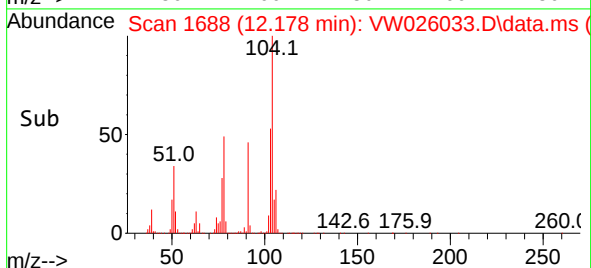
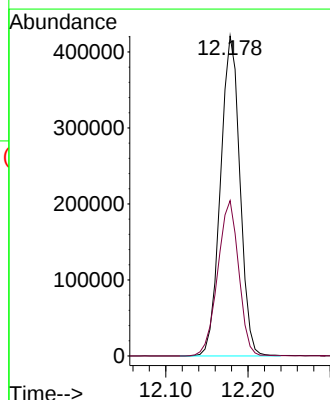
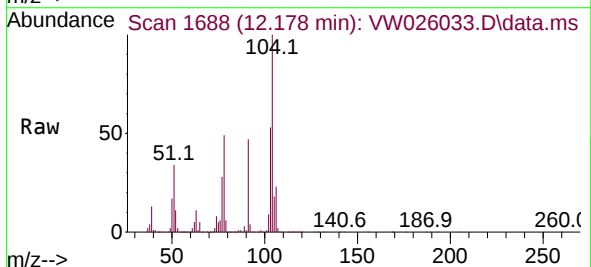
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

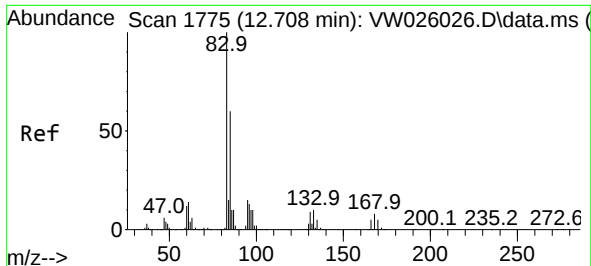
Tgt Ion:106 Resp: 383585
Ion Ratio Lower Upper
106 100
91 223.4 157.8 293.1



#55
Styrene
Concen: 26.780 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion:104 Resp: 692548
Ion Ratio Lower Upper
104 100
78 48.6 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 25.068 ug/L

RT: 12.708 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025497

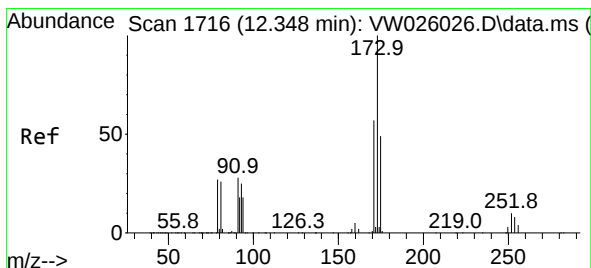
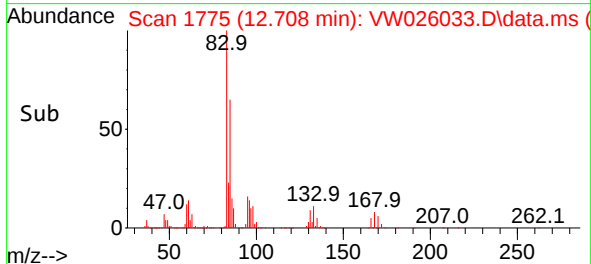
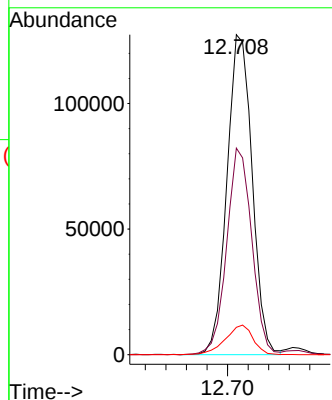
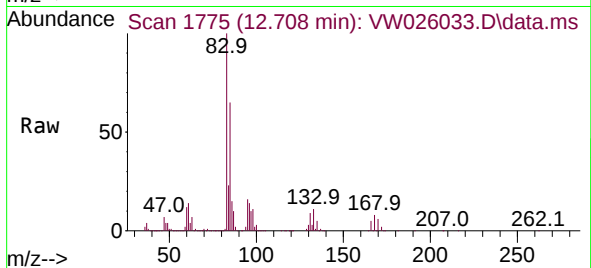
Tgt Ion: 83 Resp: 217231

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8

131 8.5 8.1 12.1



#59

Bromoform

Concen: 22.657 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

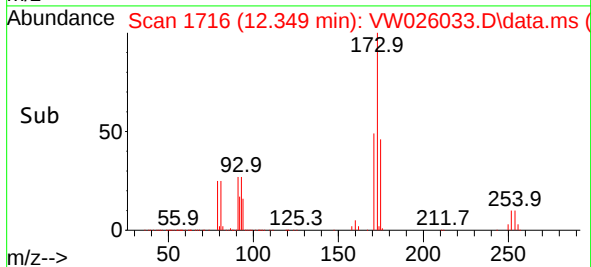
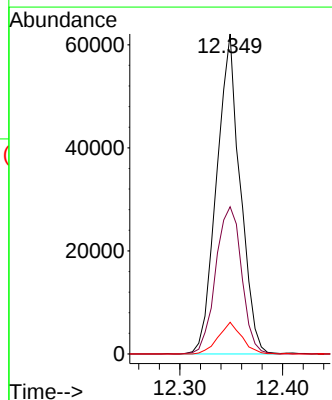
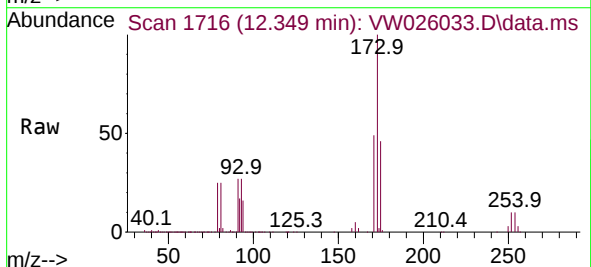
Tgt Ion: 173 Resp: 98938

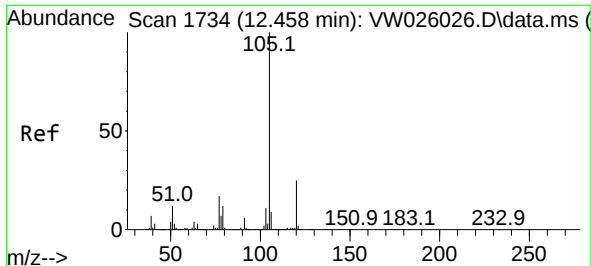
Ion Ratio Lower Upper

173 100

175 50.5 38.6 57.8

254 9.9 7.6 11.4

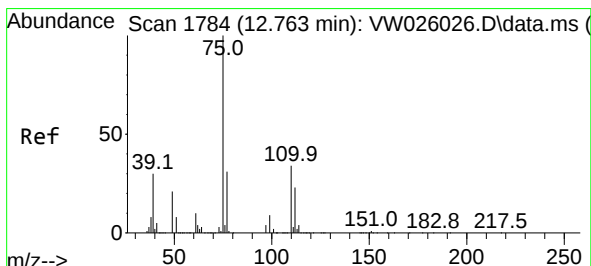
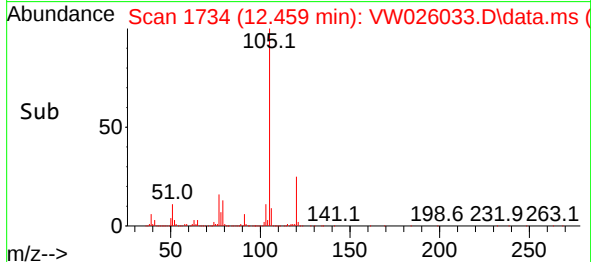
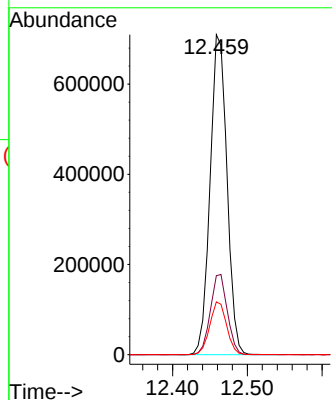
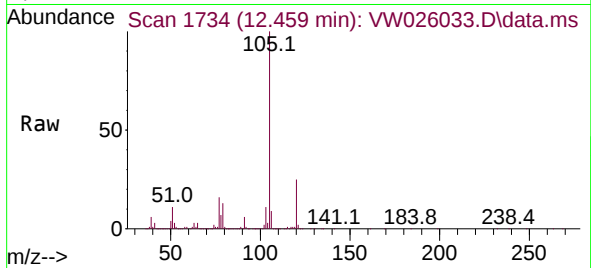




#60
Isopropylbenzene
Concen: 24.893 ug/L
RT: 12.459 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

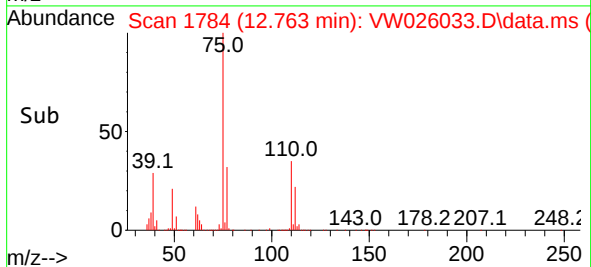
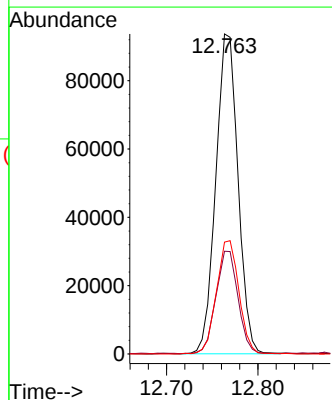
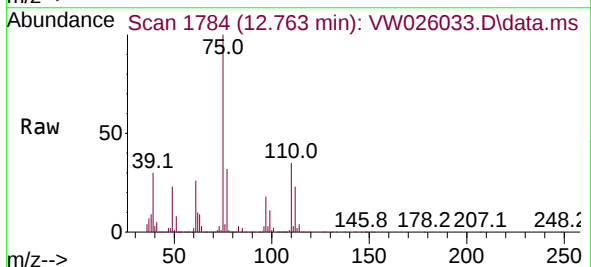
Instrument :
MSVOA_W
ClientSampleId :
VSTD025497

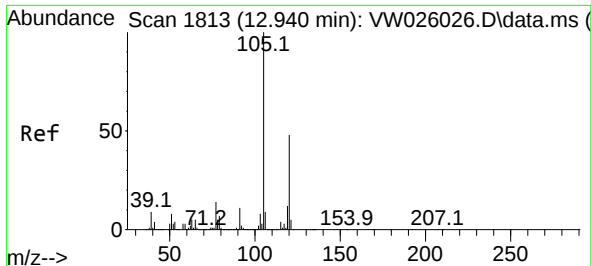
Tgt Ion:105 Resp: 1115494
Ion Ratio Lower Upper
105 100
120 25.2 21.1 31.7
77 16.5 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 22.692 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW026033.D
Acq: 24 May 2023 16:00

Tgt Ion: 75 Resp: 158102
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
110 35.8 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 24.801 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

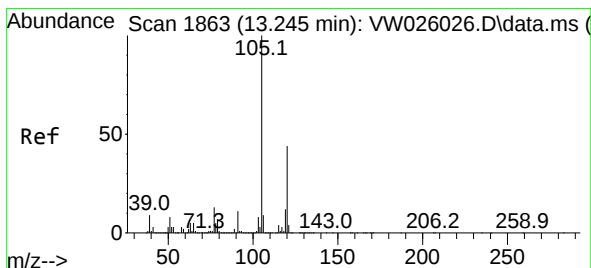
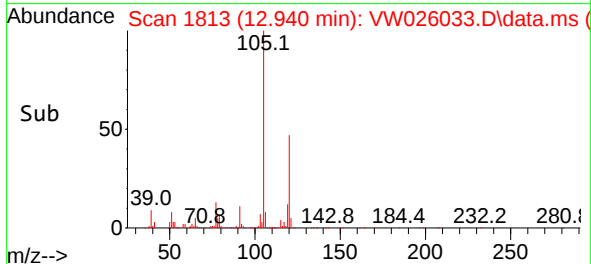
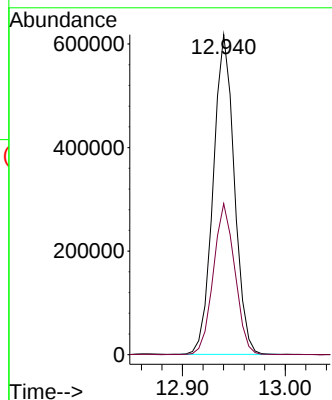
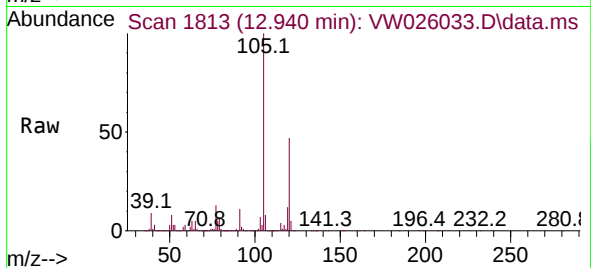
VSTD025497

Tgt Ion:105 Resp: 880266

Ion Ratio Lower Upper

105 100

120 48.2 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 24.723 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026033.D

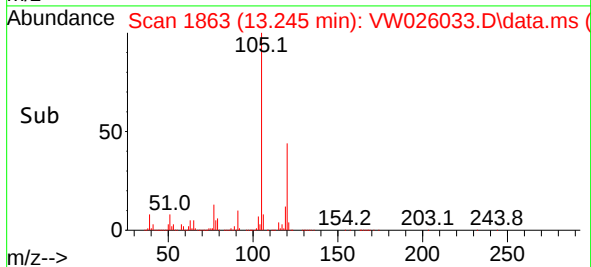
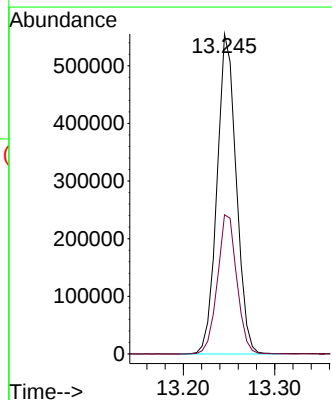
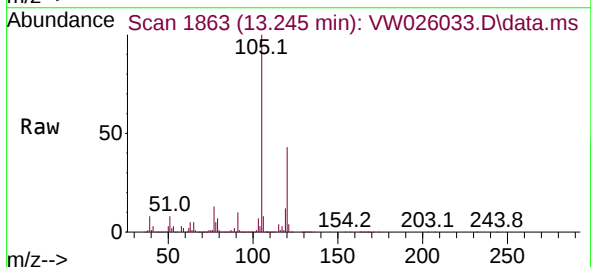
Acq: 24 May 2023 16:00

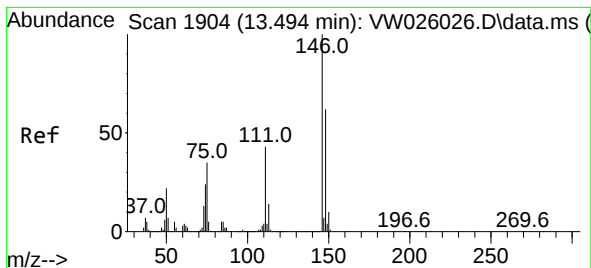
Tgt Ion:105 Resp: 809751

Ion Ratio Lower Upper

105 100

120 44.0 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 23.638 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025497

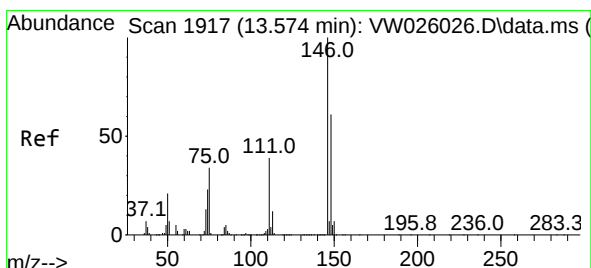
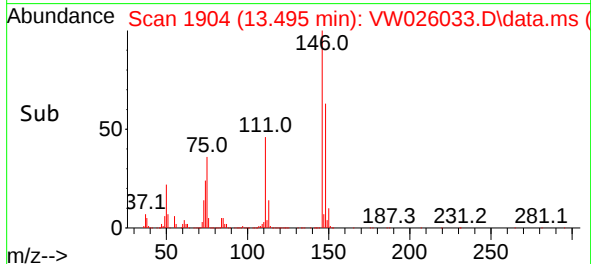
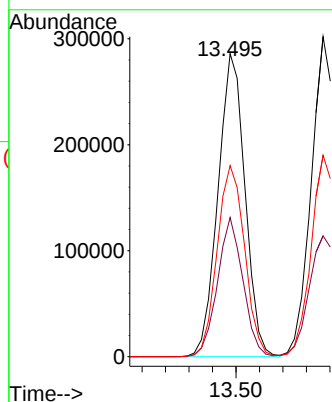
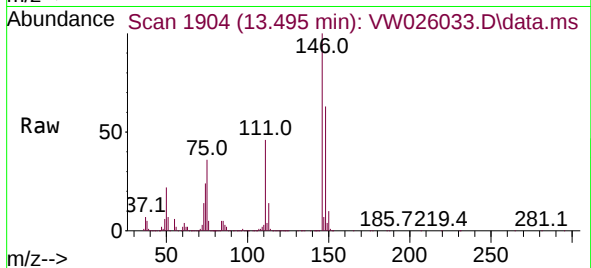
Tgt Ion:146 Resp: 455998

Ion Ratio Lower Upper

146 100

111 45.9 30.4 56.4

148 63.1 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 23.597 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

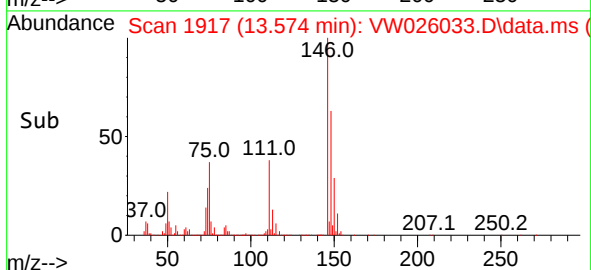
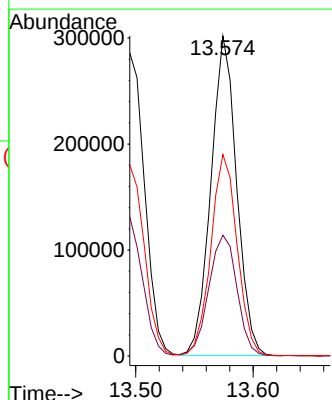
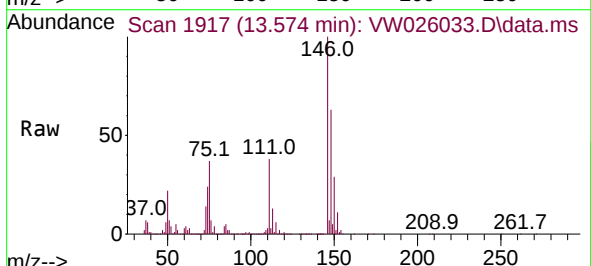
Tgt Ion:146 Resp: 459883

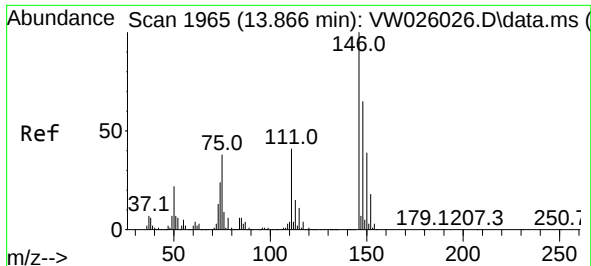
Ion Ratio Lower Upper

146 100

111 37.7 27.9 51.9

148 62.9 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 23.639 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025497

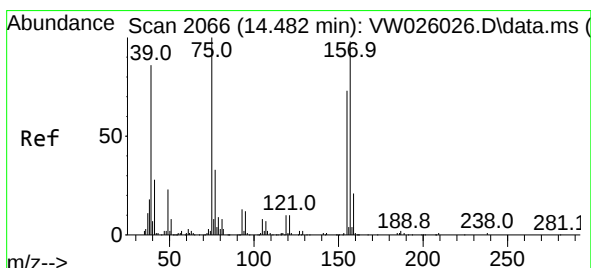
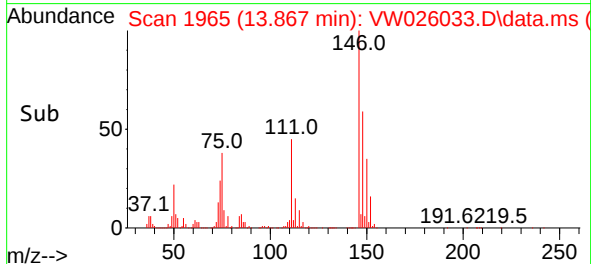
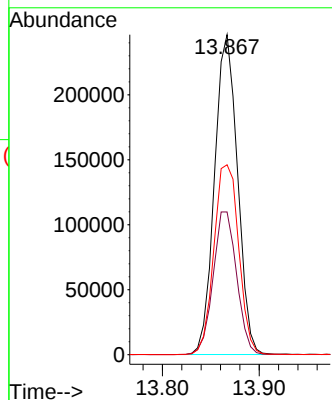
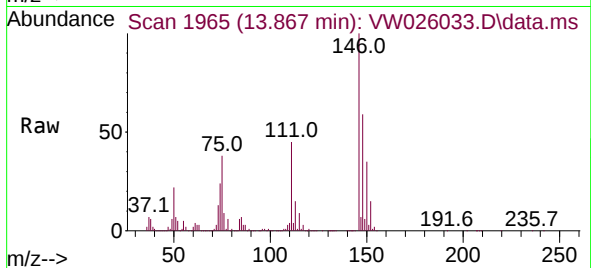
Tgt Ion:146 Resp: 406688

Ion Ratio Lower Upper

146 100

111 44.6 37.7 56.5

148 59.4 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 21.806 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

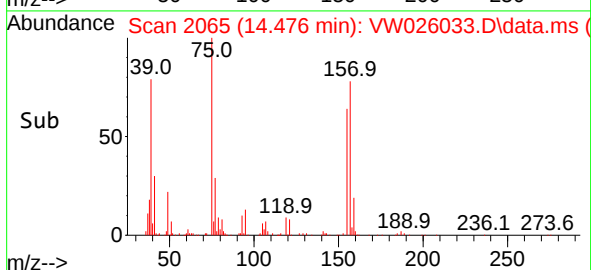
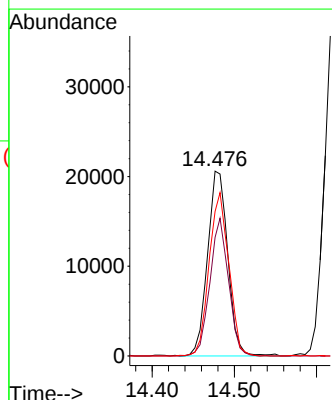
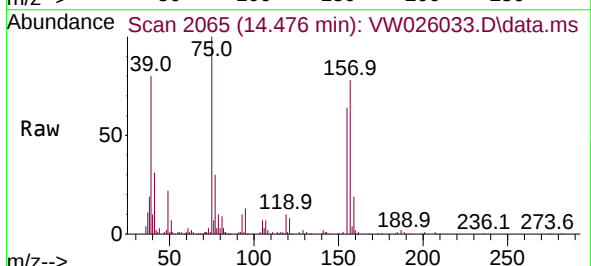
Tgt Ion: 75 Resp: 35231

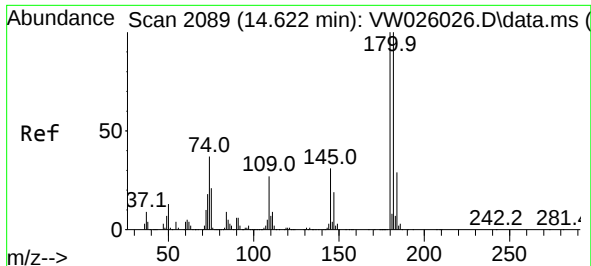
Ion Ratio Lower Upper

75 100

155 64.1 56.3 84.5

157 78.2 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 24.256 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025497

Tgt Ion:180 Resp: 310601

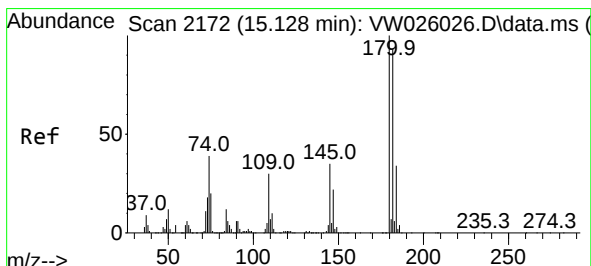
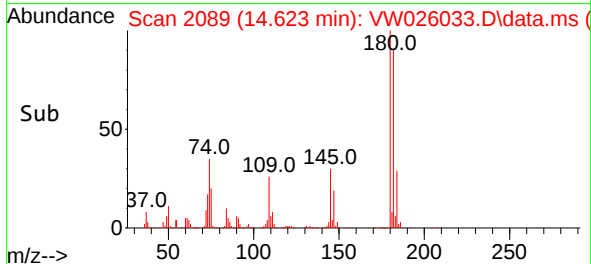
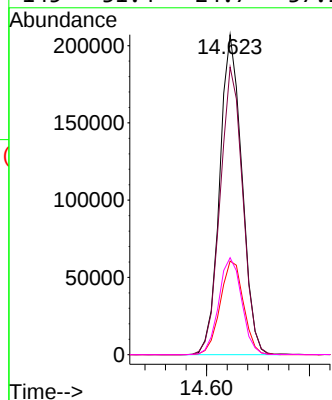
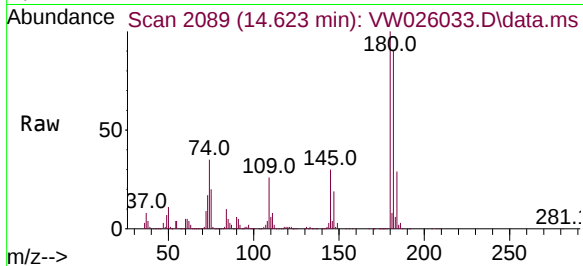
Ion Ratio Lower Upper

180 100

182 91.4 77.4 116.0

184 30.6 24.7 37.1

145 31.4 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 23.300 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

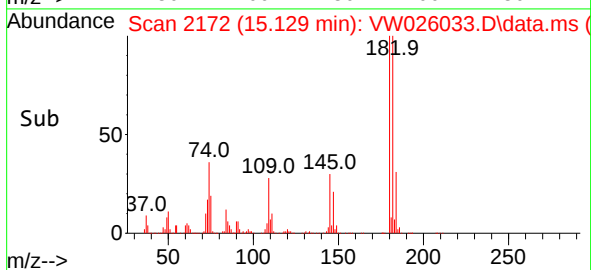
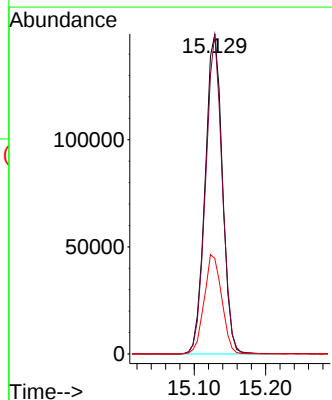
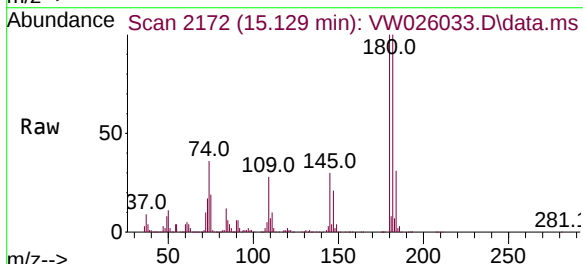
Tgt Ion:180 Resp: 249951

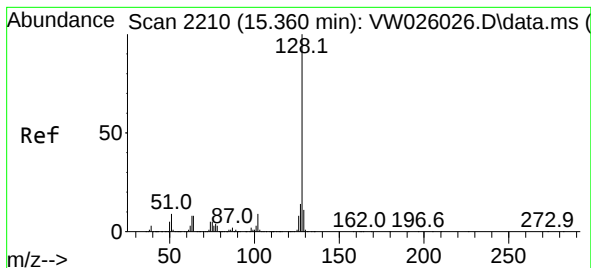
Ion Ratio Lower Upper

180 100

182 96.2 74.3 111.5

145 31.7 25.4 38.0





#71

Naphthalene

Concen: 22.786 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Instrument :

MSVOA_W

ClientSampleId :

VSTD025497

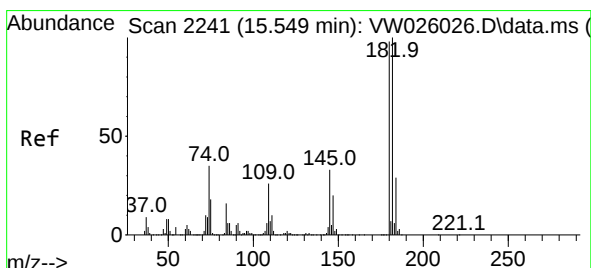
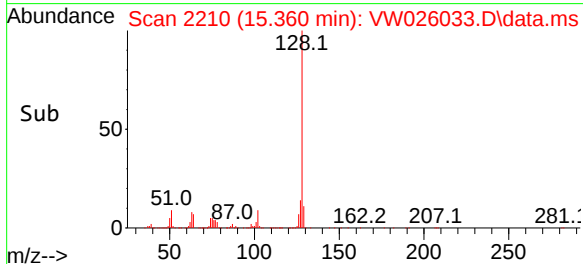
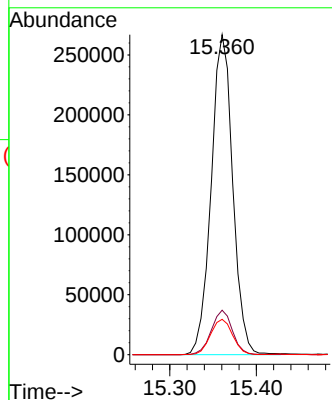
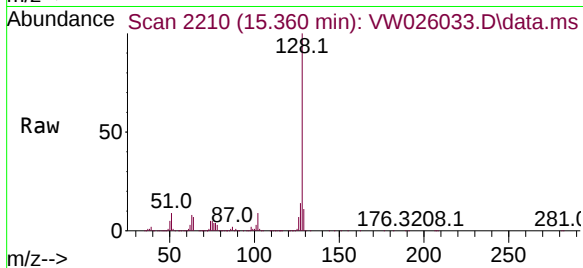
Tgt Ion:128 Resp: 461362

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

129 11.4 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 24.312 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026033.D

Acq: 24 May 2023 16:00

Tgt Ion:180 Resp: 231410

Ion Ratio Lower Upper

180 100

182 93.7 76.1 114.1

145 32.8 28.0 42.0

