

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071923\
 Data File : VW026616.D
 Acq On : 19 Jul 2023 11:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025562

Quant Time: Jul 20 01:51:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jul 15 05:08:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	668348	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	587439	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	296159	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	213423	18.931	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.720%
7) Chloroethane-d5	2.899	69	166736	21.077	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.320%
11) 1,1-Dichloroethene-d2	4.021	65	104135	19.669	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.680%
21) 2-Butanone-d5	7.075	46	164566	45.167	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.340%
24) Chloroform-d	7.648	84	447067	23.234	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.920%
26) 1,2-Dichloroethane-d4	8.307	65	244147	22.724	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.880%
32) Benzene-d6	8.276	84	895103	22.197	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	9.276	67	280934	22.656	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.640%
41) Toluene-d8	10.325	98	780689	22.571	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.280%
43) trans-1,3-Dichloroprop...	10.575	79	112481	22.636	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.560%
47) 2-Hexanone-d5	10.922	63	114093	47.155	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.300%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	239297	22.789	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.160%
66) 1,2-Dichlorobenzene-d4	13.848	152	235742	21.680	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	135383	17.957	ug/L	# 80
3) Chloromethane	2.222	50	234719	21.790	ug/L	97
5) Vinyl chloride	2.375	62	250333	22.051	ug/L	98
6) Bromomethane	2.789	94	136705	22.652	ug/L	98
8) Chloroethane	2.936	64	148856	23.449	ug/L	100
9) Trichlorofluoromethane	3.265	101	190255	22.626	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	208802	22.375	ug/L	97
12) 1,1-Dichloroethene	4.045	96	206377	23.050	ug/L	88
13) Acetone	4.125	43	188287	71.843	ug/L	98
14) Carbon disulfide	4.393	76	692039	22.049	ug/L	97
15) Methyl Acetate	4.667	43	139770	22.198	ug/L	100
16) Methylene chloride	4.917	84	258076	21.858	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	226737	23.685	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	360741	24.077	ug/L	100
19) 1,1-Dichloroethane	6.216	63	464603	24.274	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	247053	24.922	ug/L	99
22) 2-Butanone	7.167	43	226502	56.753	ug/L	99
23) Bromochloromethane	7.514	128	104277	24.557	ug/L	95
25) Chloroform	7.673	83	433322	24.710	ug/L	97

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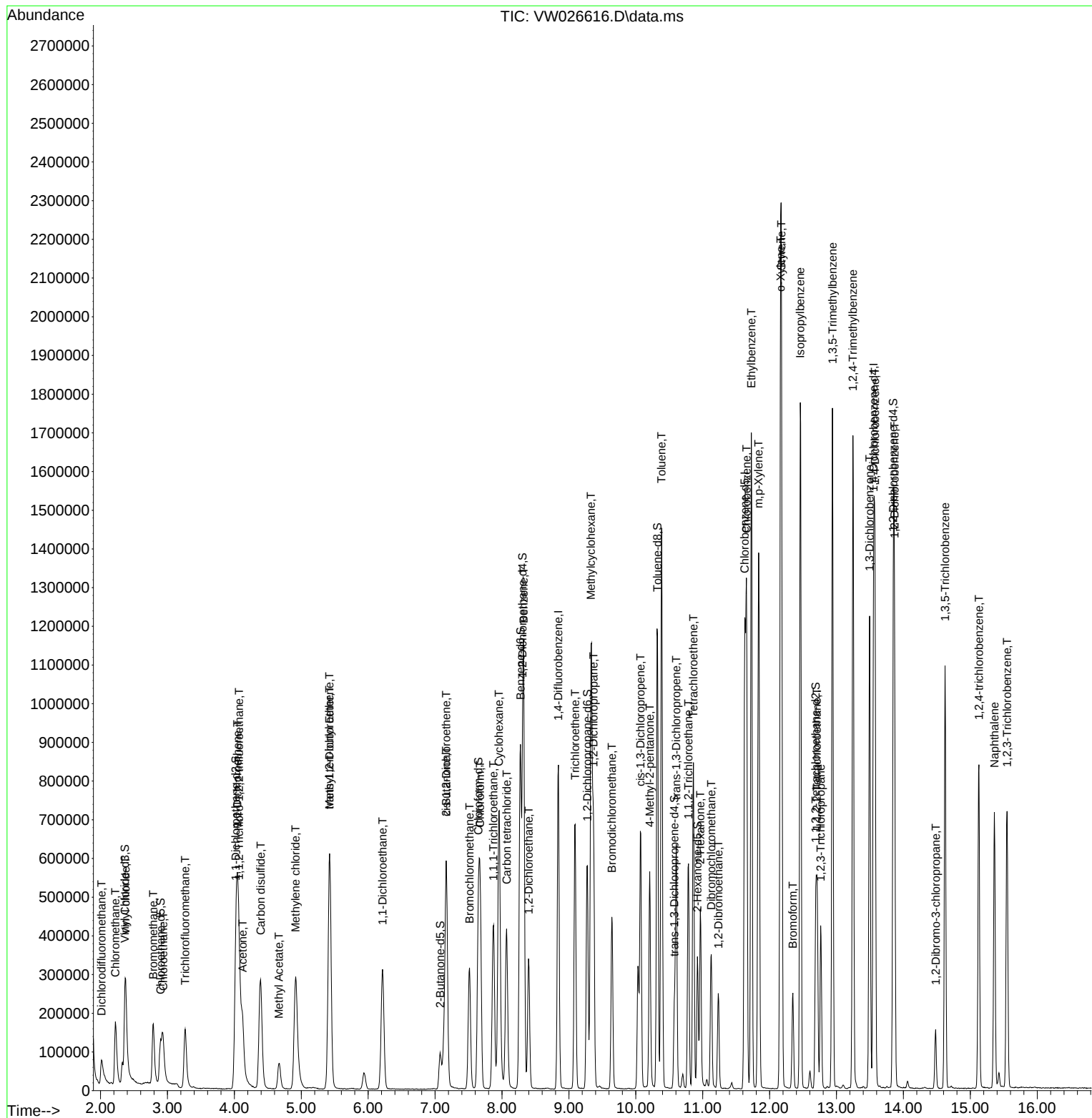
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	305245	24.726	ug/L	99
29) Cyclohexane	7.953	56	433921	23.724	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	349494	24.274	ug/L	99
31) Carbon tetrachloride	8.069	117	315020	24.103	ug/L	98
33) Benzene	8.325	78	976752	24.131	ug/L	100
34) Trichloroethene	9.093	95	248745	23.924	ug/L	96
35) Methylcyclohexane	9.331	83	451543	24.187	ug/L	99
37) 1,2-Dichloropropane	9.368	63	264125	24.572	ug/L	99
38) Bromodichloromethane	9.642	83	303186	24.826	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	395073	25.529	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	381540	47.028	ug/L	100
42) Toluene	10.386	91	1014444	24.818	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	333075	25.520	ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	183505	24.461	ug/L	98
46) Tetrachloroethene	10.861	164	183854	24.909	ug/L	86
48) 2-Hexanone	10.965	43	300006	52.986	ug/L	99
49) Dibromochloromethane	11.129	129	182146	24.520	ug/L	91
50) 1,2-Dibromoethane	11.233	107	170143	24.059	ug/L	99
51) Chlorobenzene	11.654	112	612992	24.459	ug/L	99
52) Ethylbenzene	11.727	91	1136013	24.963	ug/L	99
53) m,p-Xylene	11.837	106	424988	25.670	ug/L	96
54) o-Xylene	12.166	106	392605	25.265	ug/L	99
55) Styrene	12.178	104	676478	25.809	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	236539	24.025	ug/L	96
59) Bromoform	12.349	173	112309	23.977	ug/L	98
60) Isopropylbenzene	12.458	105	1110019	24.225	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	173671	21.711	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	890165	25.328	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	874397	25.094	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	472607	24.580	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	462668	24.128	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	406786	23.905	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.482	75	39812	20.911	ug/L #	77
69) 1,3,5-Trichlorobenzene	14.623	180	300015	23.579	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	249598	23.904	ug/L	97
71) Naphthalene	15.360	128	564688	23.881	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	236885	24.098	ug/L	95

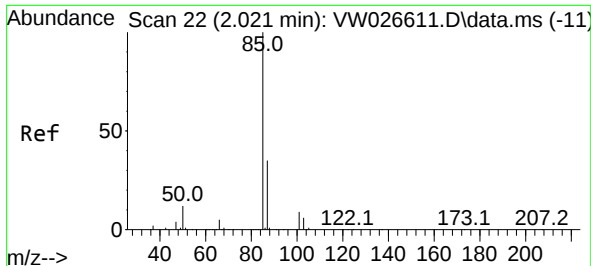
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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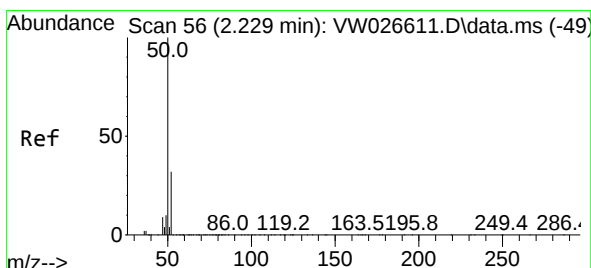
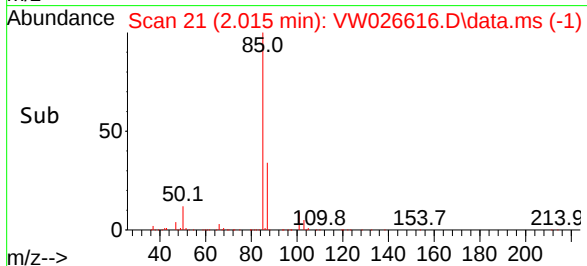
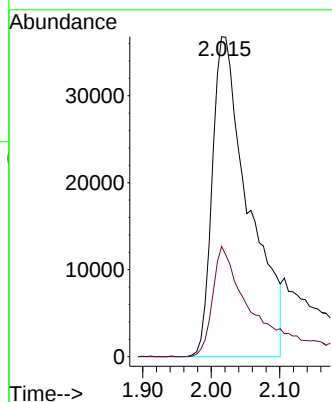
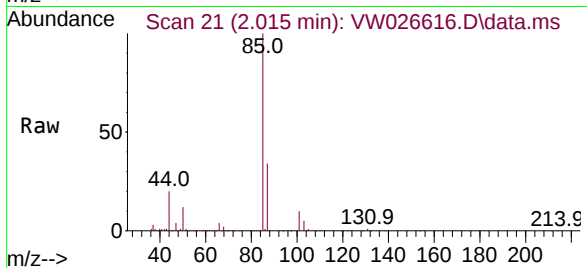




#2
 Dichlorodifluoromethane
 Concen: 17.957 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW026616.D
 Acq: 19 Jul 2023 11:27

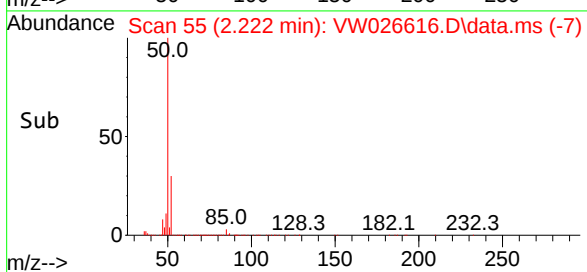
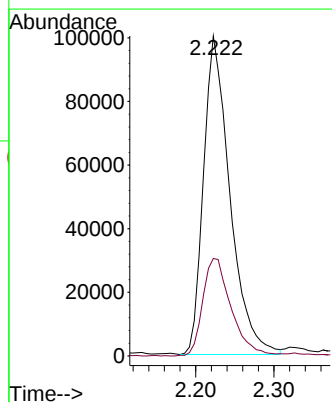
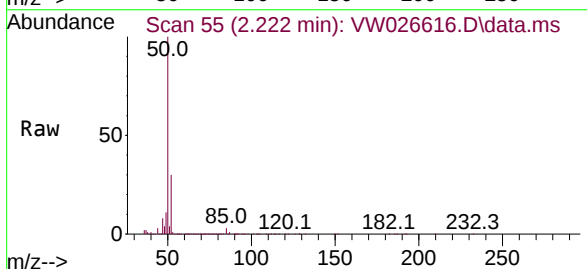
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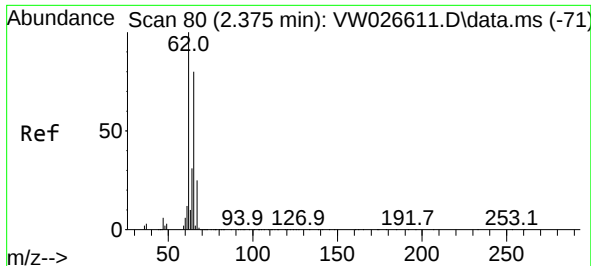
Tgt Ion: 85 Resp: 135383
 Ion Ratio Lower Upper
 85 100
 87 37.2 21.4 32.0#



#3
 Chloromethane
 Concen: 21.790 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW026616.D
 Acq: 19 Jul 2023 11:27

Tgt Ion: 50 Resp: 234719
 Ion Ratio Lower Upper
 50 100
 52 30.4 22.5 41.7

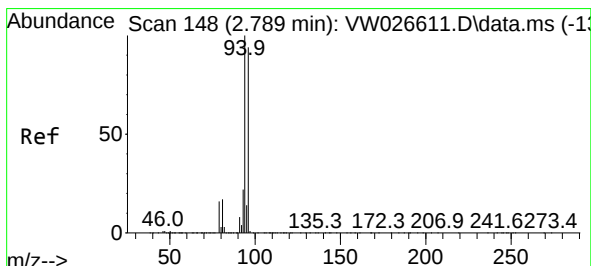
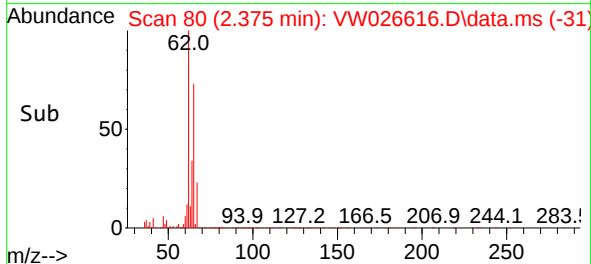
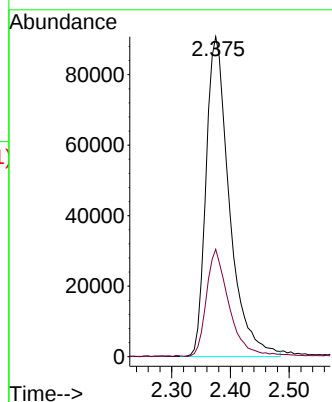
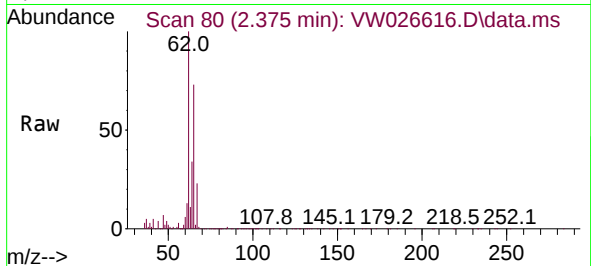




#5
 Vinyl chloride
 Concen: 22.051 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026616.D
 Acq: 19 Jul 2023 11:27

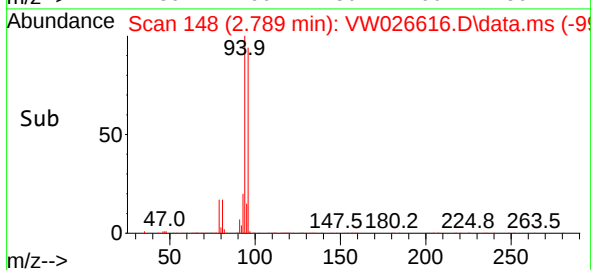
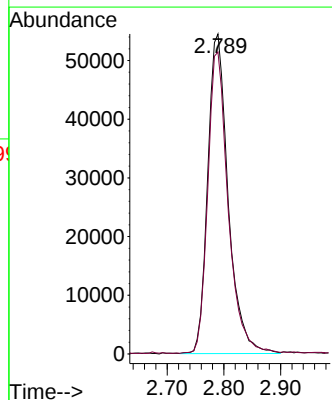
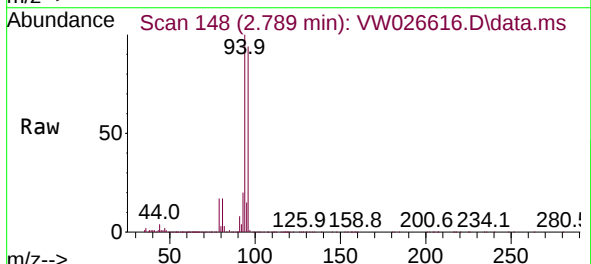
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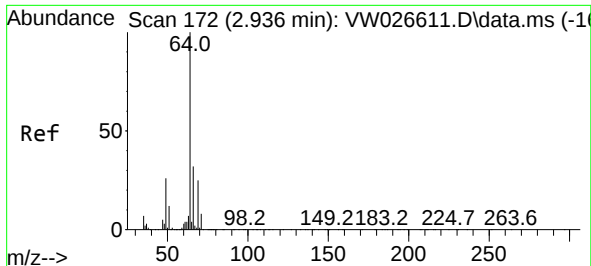
Tgt Ion: 62 Resp: 250333
 Ion Ratio Lower Upper
 62 100
 64 33.6 24.2 45.0



#6
 Bromomethane
 Concen: 22.652 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW026616.D
 Acq: 19 Jul 2023 11:27

Tgt Ion: 94 Resp: 136705
 Ion Ratio Lower Upper
 94 100
 96 94.4 64.5 119.9

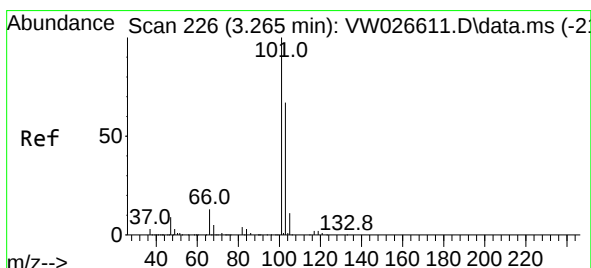
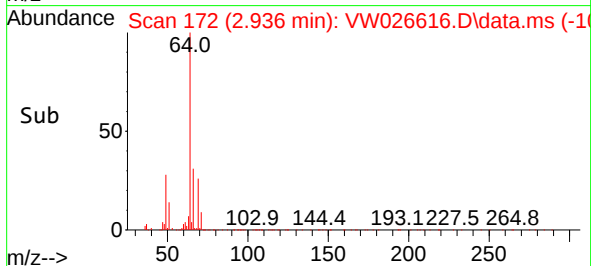
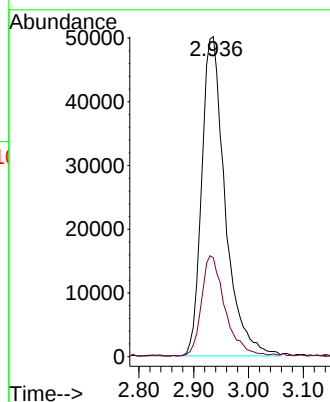
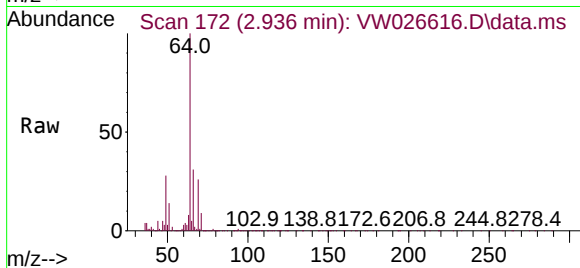




#8
Chloroethane
Concen: 23.449 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

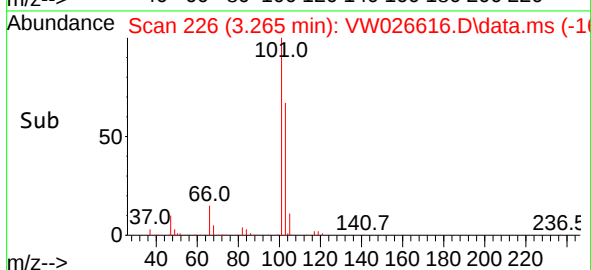
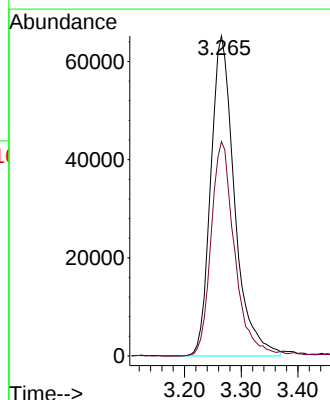
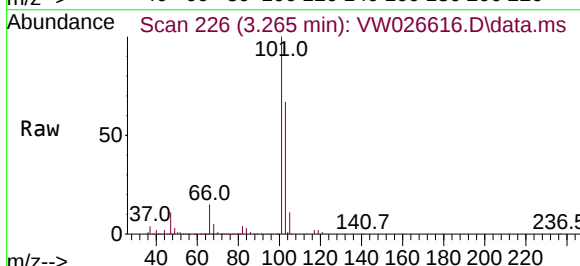
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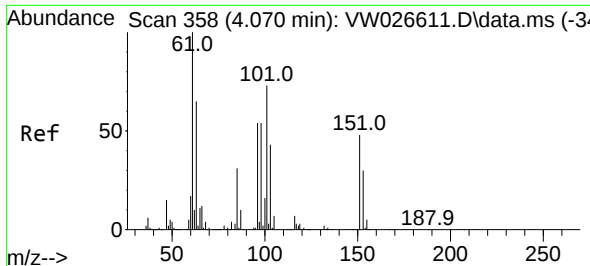
Tgt Ion: 64 Resp: 148856
Ion Ratio Lower Upper
64 100
66 30.9 21.7 40.3



#9
Trichlorofluoromethane
Concen: 22.626 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion:101 Resp: 190255
Ion Ratio Lower Upper
101 100
103 66.0 50.3 75.5

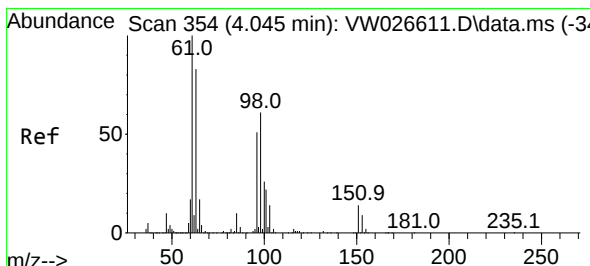
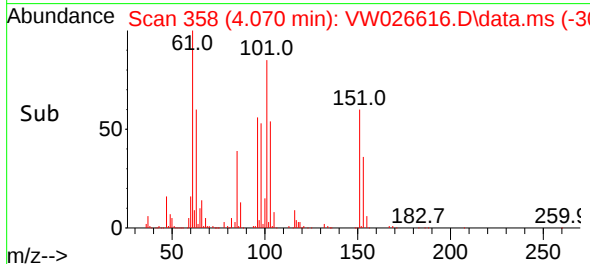
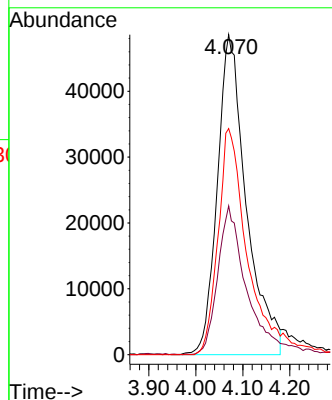
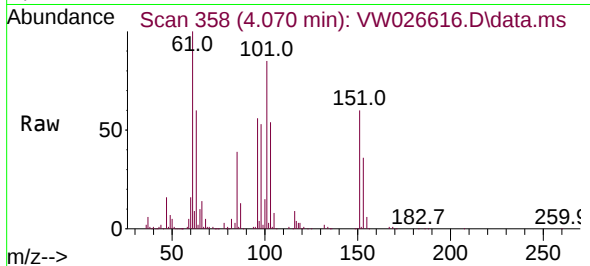




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.375 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW026616.D
 Acq: 19 Jul 2023 11:27

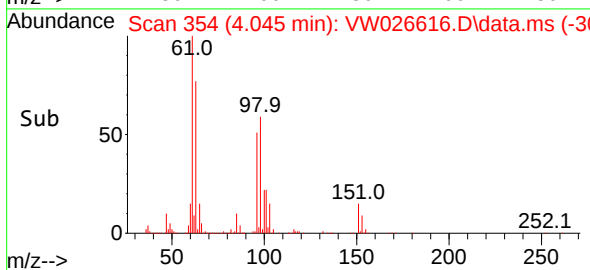
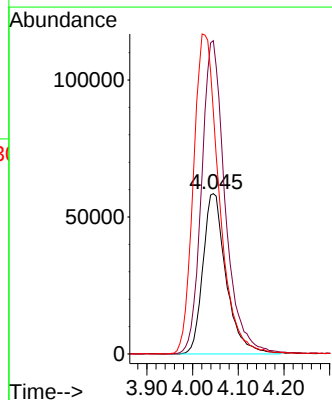
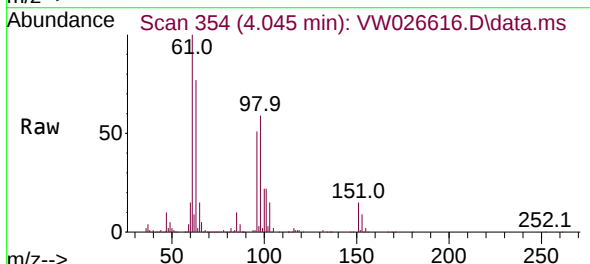
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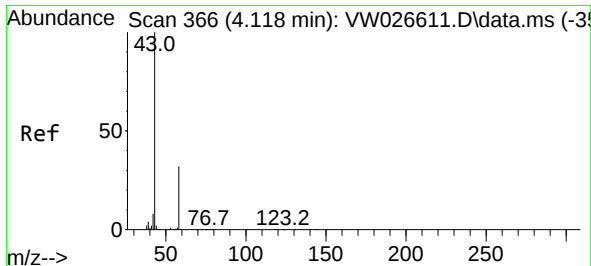
Tgt Ion:101 Resp: 208802
 Ion Ratio Lower Upper
 101 100
 85 46.2 36.1 54.1
 151 67.1 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 23.050 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW026616.D
 Acq: 19 Jul 2023 11:27

Tgt Ion: 96 Resp: 206377
 Ion Ratio Lower Upper
 96 100
 61 195.5 140.8 261.4
 63 151.4 127.7 237.3

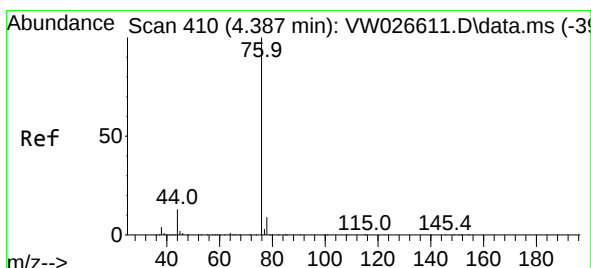
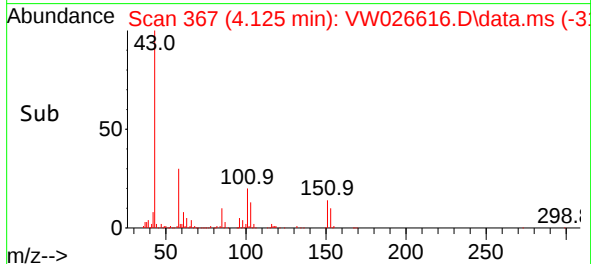
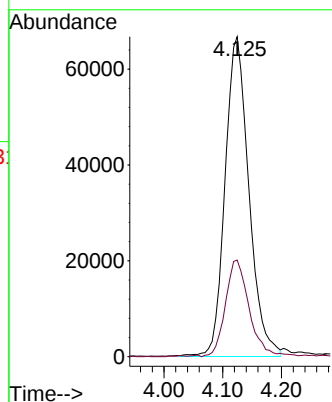
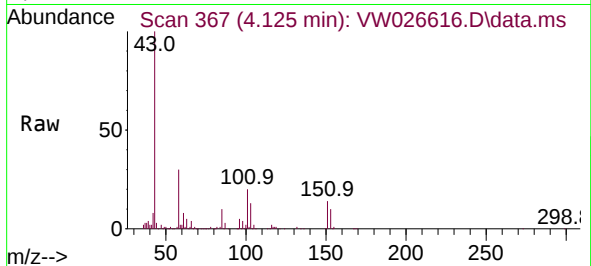




#13
Acetone
Concen: 71.843 ug/L
RT: 4.125 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW026616.D
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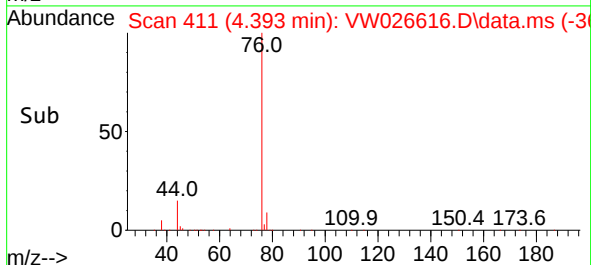
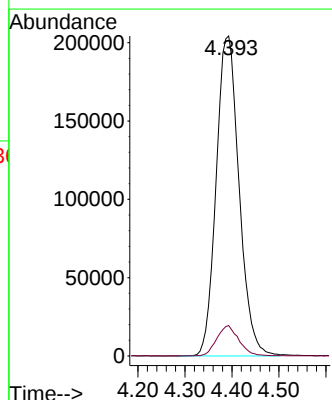
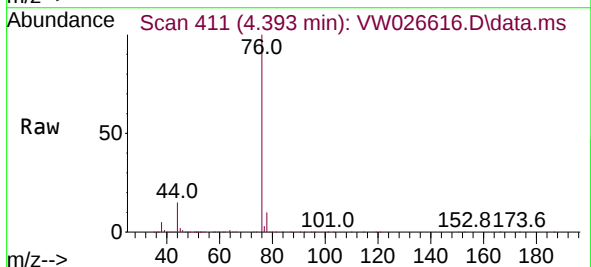
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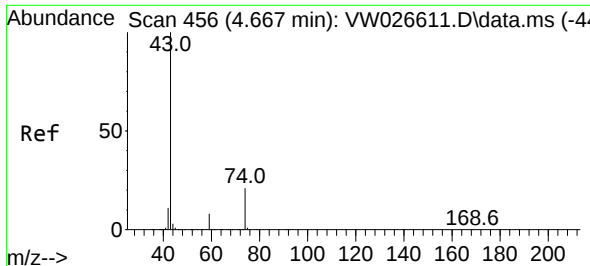
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Ion Ratio Lower Upper
43 100
58 30.2 0.0 63.2



#14
Carbon disulfide
Concen: 22.049 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
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Tgt Ion: 76 Resp: 692039
Ion Ratio Lower Upper
76 100
78 9.5 6.9 10.3

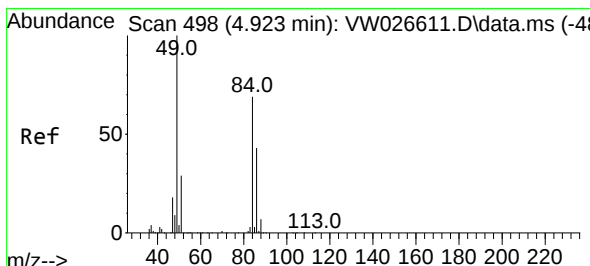
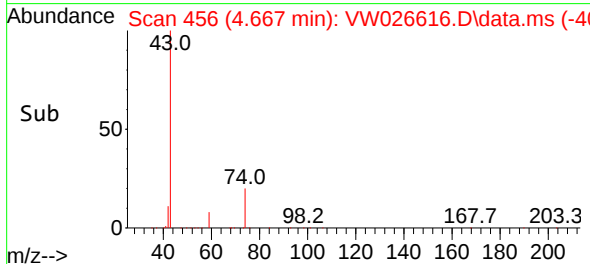
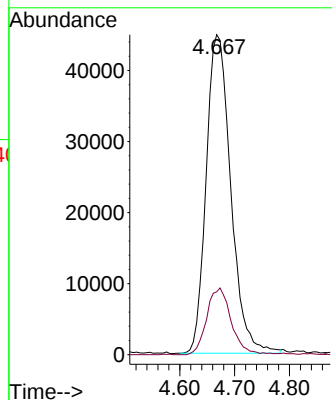
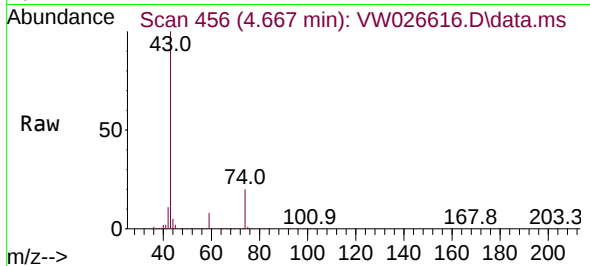




#15
Methyl Acetate
Concen: 22.198 ug/L
RT: 4.667 min Scan# 456
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

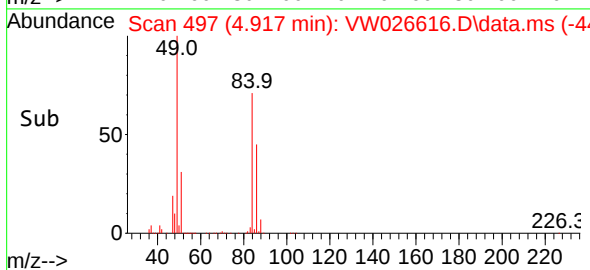
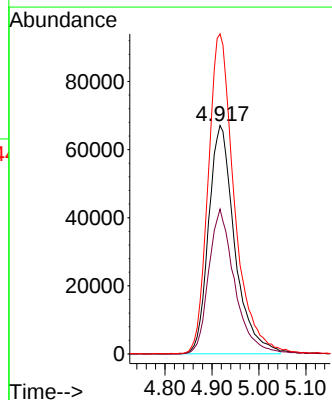
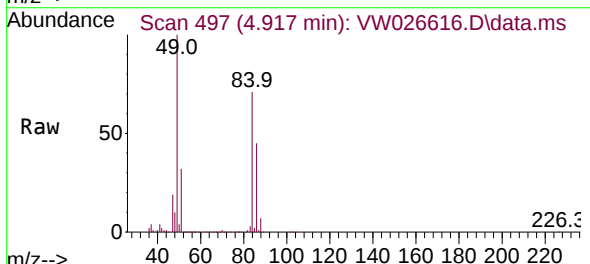
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

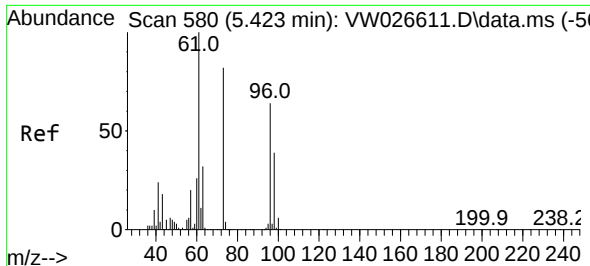
Tgt Ion: 43 Resp: 139770
Ion Ratio Lower Upper
43 100
74 20.6 16.3 24.5



#16
Methylene chloride
Concen: 21.858 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 84 Resp: 258076
Ion Ratio Lower Upper
84 100
86 63.4 43.8 81.3
49 140.0 99.2 184.2

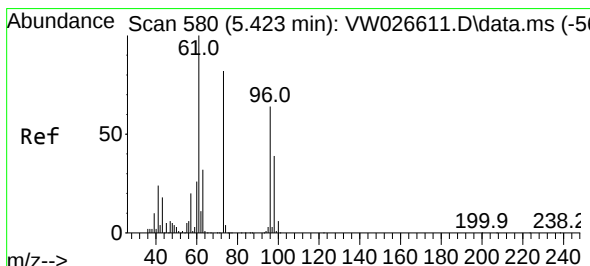
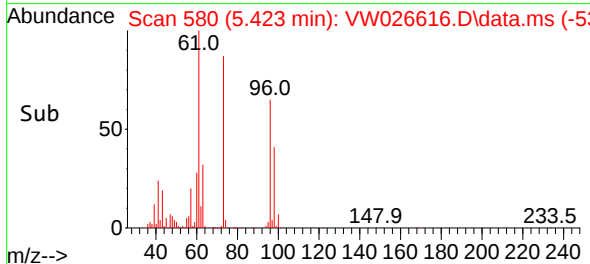
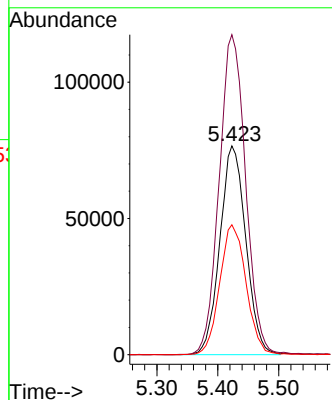
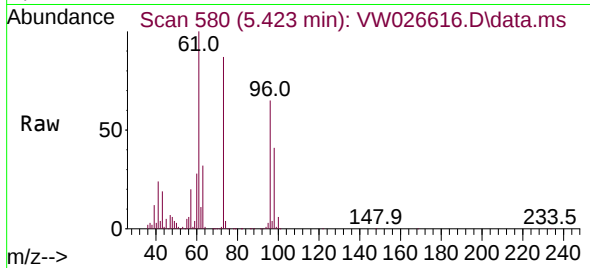




#17
trans-1,2-Dichloroethene
Concen: 23.685 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

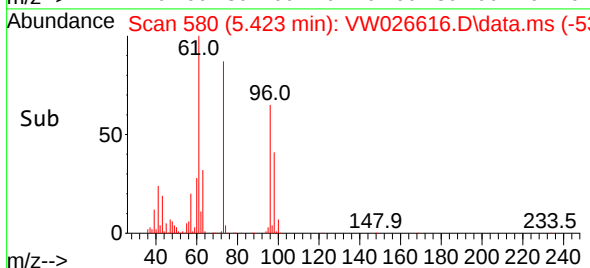
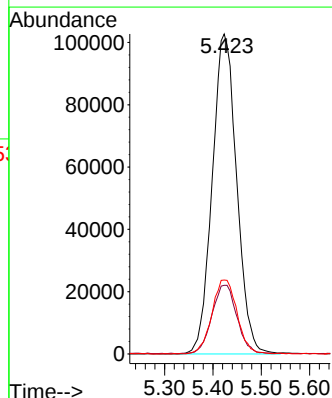
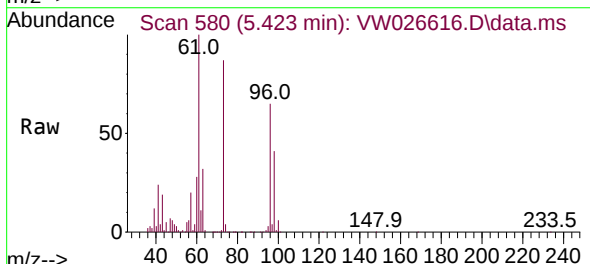
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

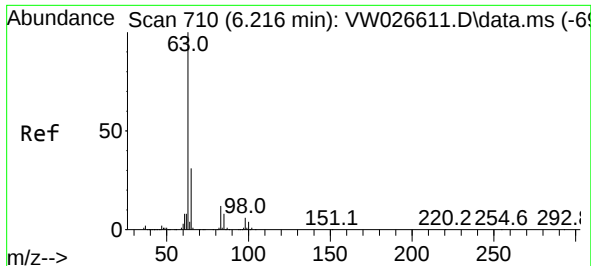
Tgt Ion: 96 Resp: 226737
Ion Ratio Lower Upper
96 100
61 153.2 108.1 200.9
98 62.2 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 24.077 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 73 Resp: 360741
Ion Ratio Lower Upper
73 100
43 21.8 17.4 26.2
57 23.8 19.3 28.9





#19

1,1-Dichloroethane

Concen: 24.274 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025562

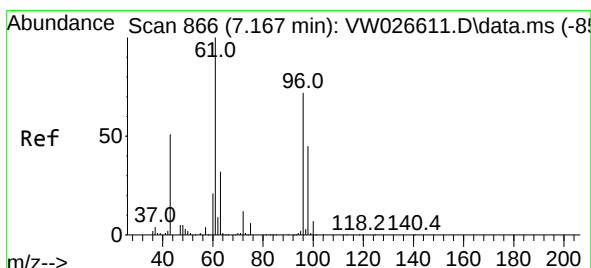
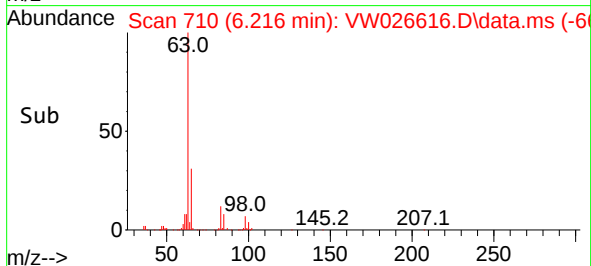
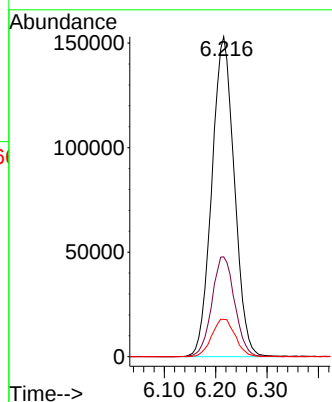
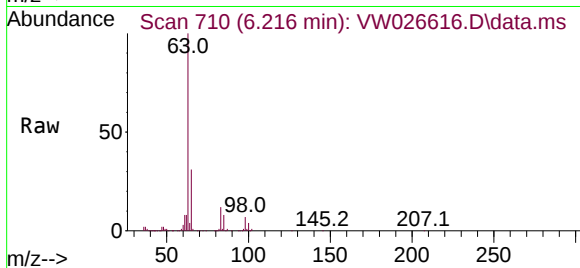
Tgt Ion: 63 Resp: 464603

Ion Ratio Lower Upper

63 100

65 31.2 22.3 41.5

83 11.7 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 24.922 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

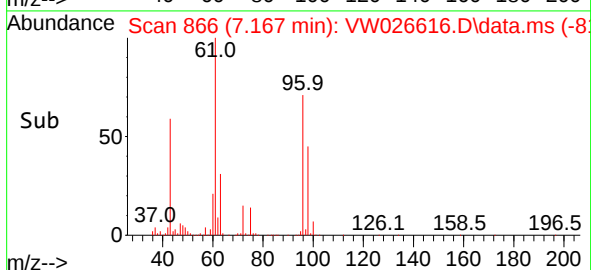
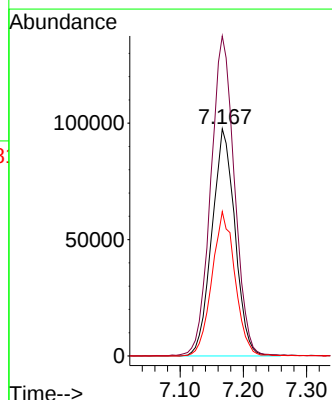
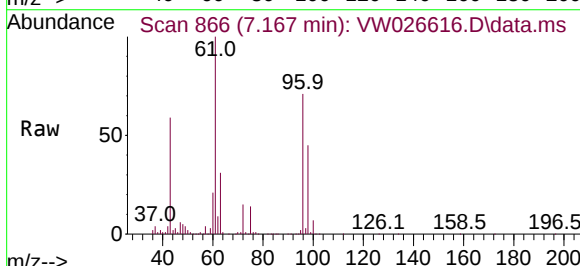
Tgt Ion: 96 Resp: 247053

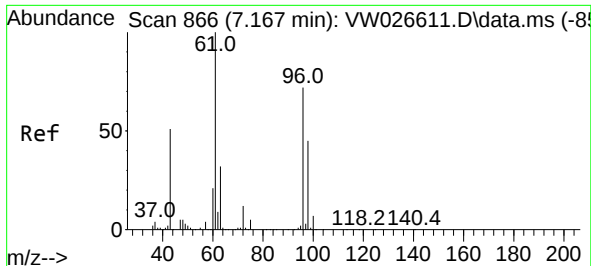
Ion Ratio Lower Upper

96 100

61 140.8 98.8 183.6

98 63.5 42.4 78.6

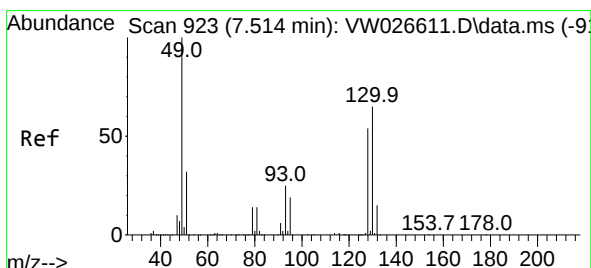
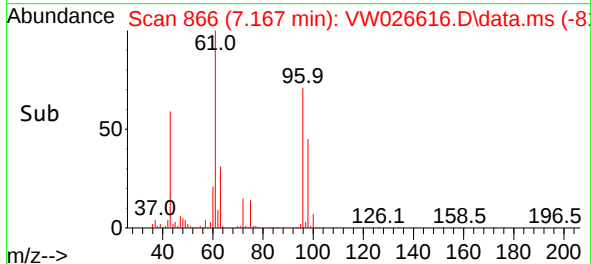
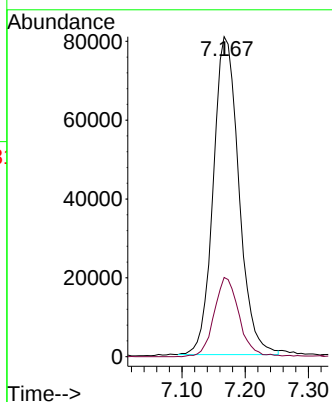
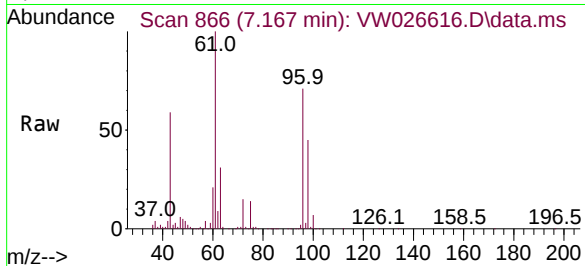




#22
2-Butanone
Concen: 56.753 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

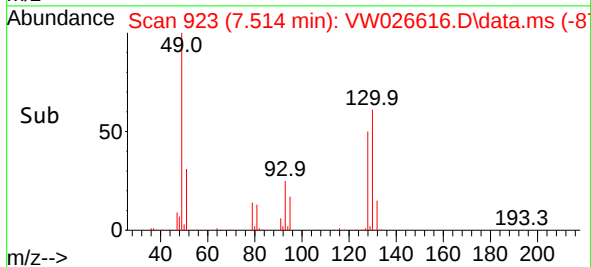
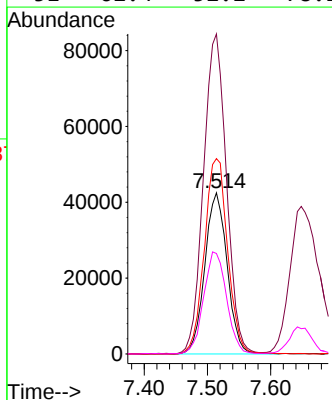
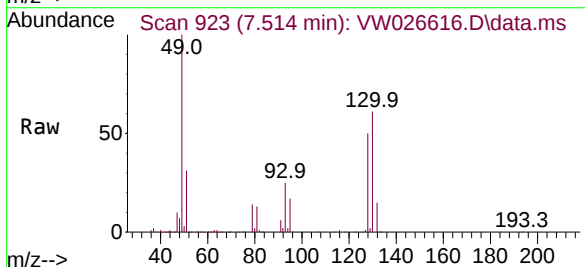
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

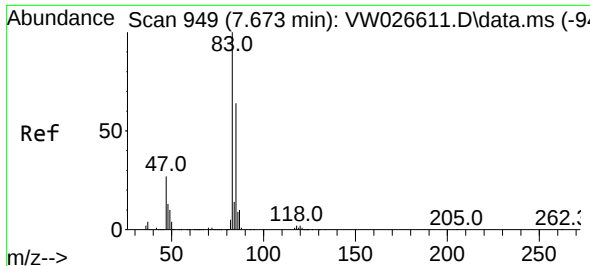
Tgt Ion: 43 Resp: 226502
Ion Ratio Lower Upper
43 100
72 24.0 11.9 35.5



#23
Bromochloromethane
Concen: 24.557 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 128 Resp: 104277
Ion Ratio Lower Upper
128 100
49 198.7 142.1 263.9
130 121.2 92.9 172.5
51 62.4 52.2 78.2

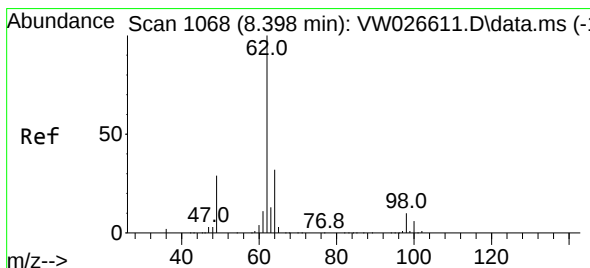
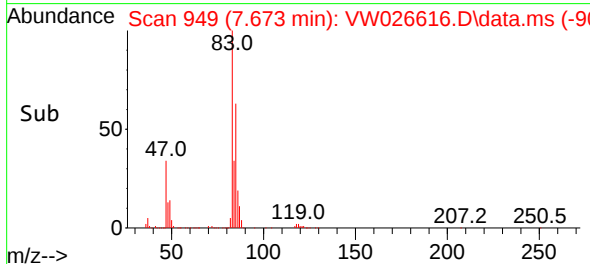
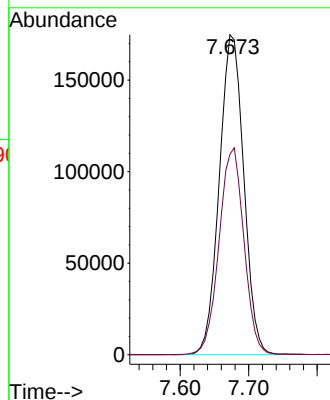
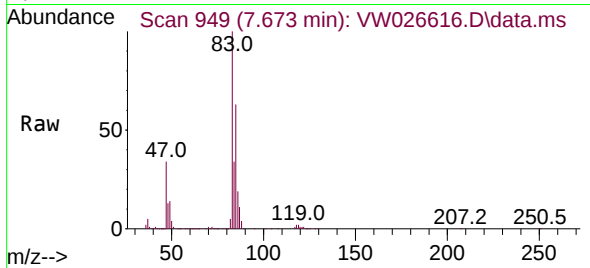




#25
Chloroform
Concen: 24.710 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

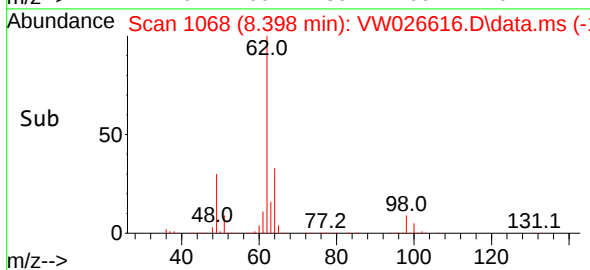
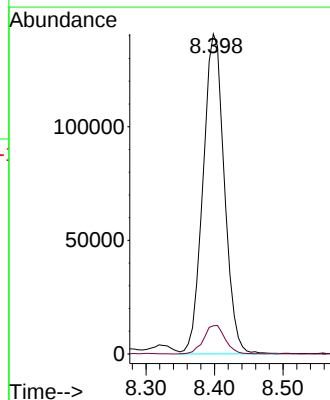
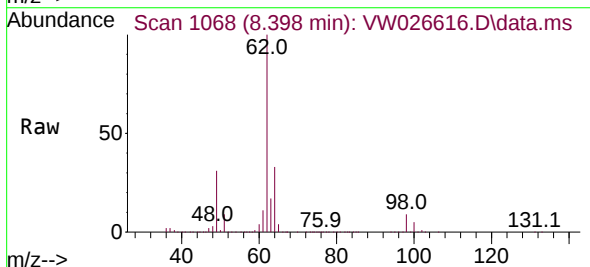
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

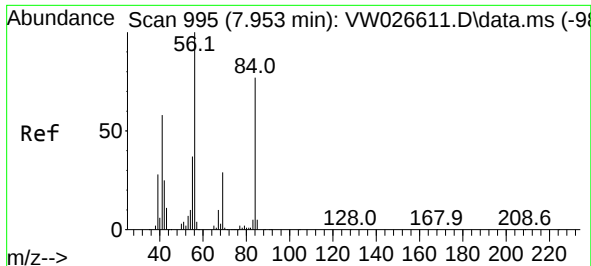
Tgt Ion: 83 Resp: 433322
Ion Ratio Lower Upper
83 100
85 62.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.726 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 62 Resp: 305245
Ion Ratio Lower Upper
62 100
98 8.8 6.7 10.1





#29

Cyclohexane

Concen: 23.724 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025562

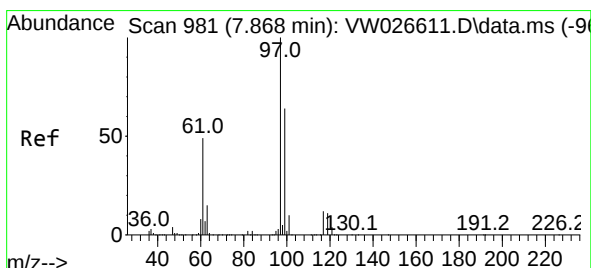
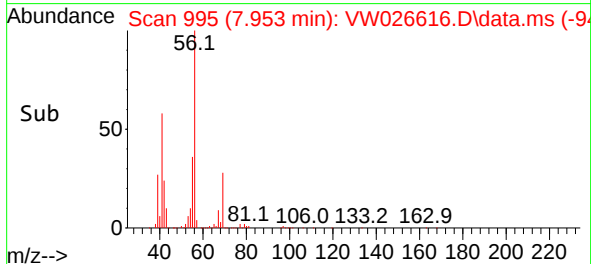
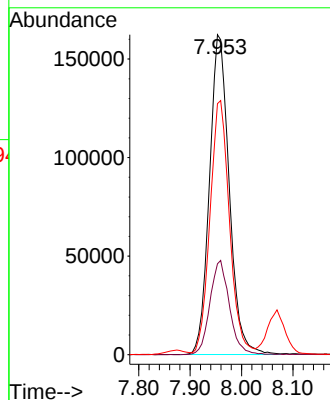
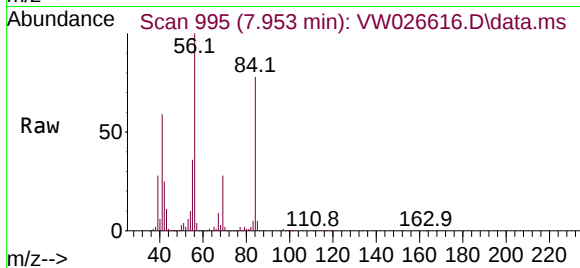
Tgt Ion: 56 Resp: 433921

Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.0

84 78.3 62.6 94.0



#30

1,1,1-Trichloroethane

Concen: 24.274 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

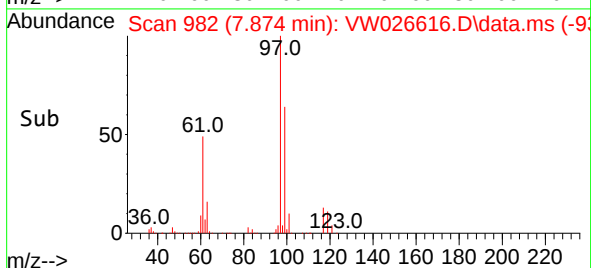
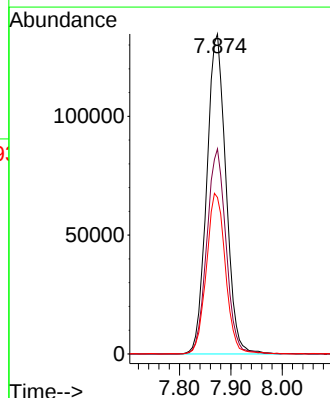
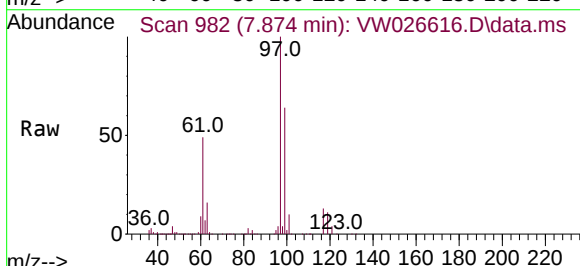
Tgt Ion: 97 Resp: 349494

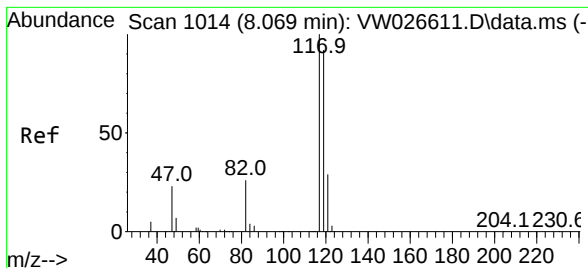
Ion Ratio Lower Upper

97 100

99 63.9 49.9 74.9

61 49.8 39.8 59.8

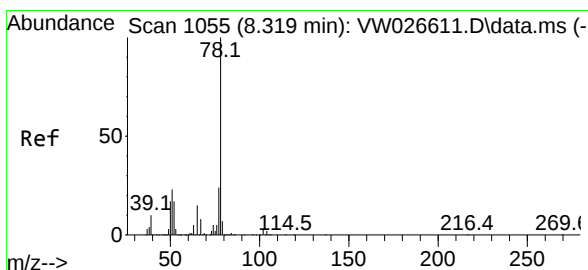
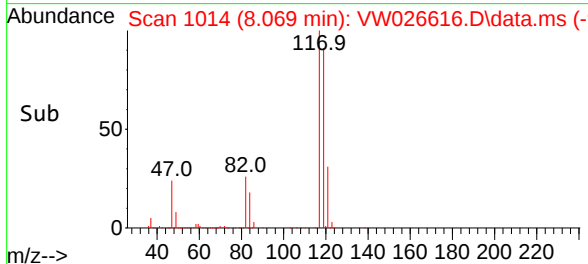
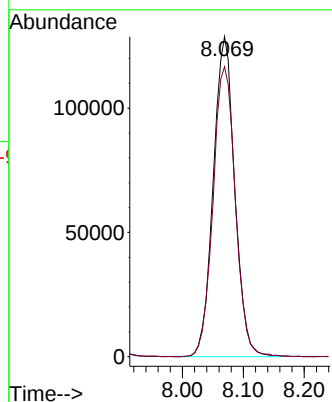
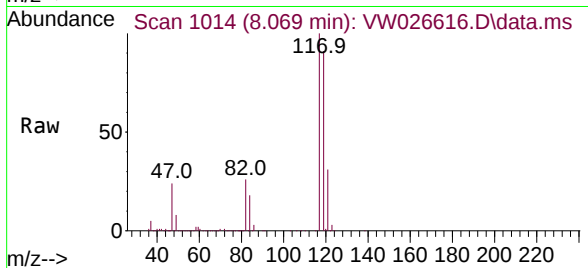




#31
Carbon tetrachloride
Concen: 24.103 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

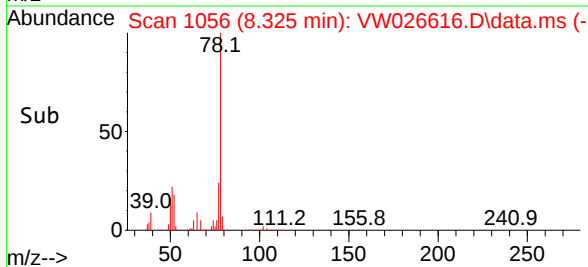
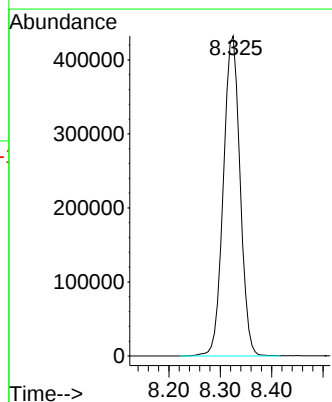
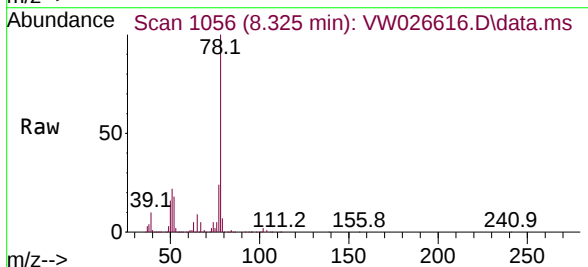
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

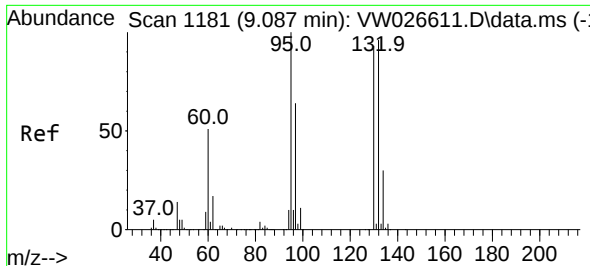
Tgt Ion:117 Resp: 315020
Ion Ratio Lower Upper
117 100
119 94.3 77.1 115.7



#33
Benzene
Concen: 24.131 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 78 Resp: 976752

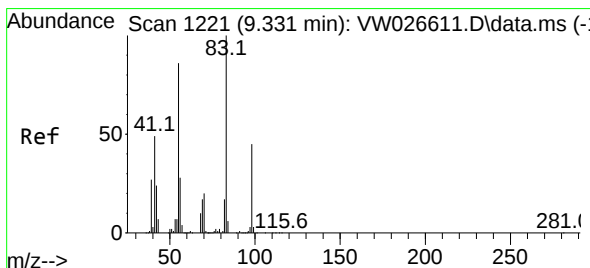
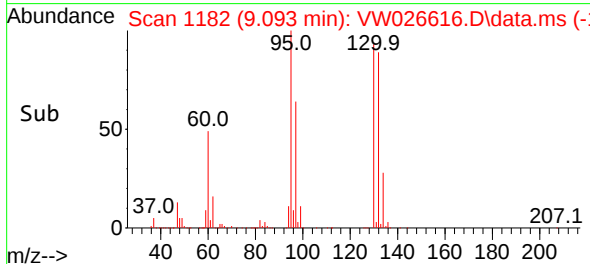
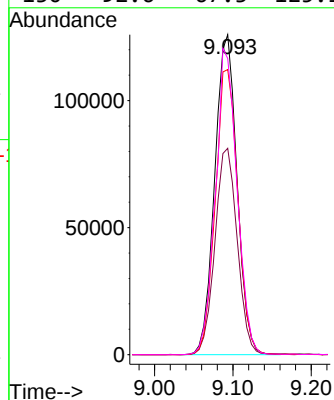
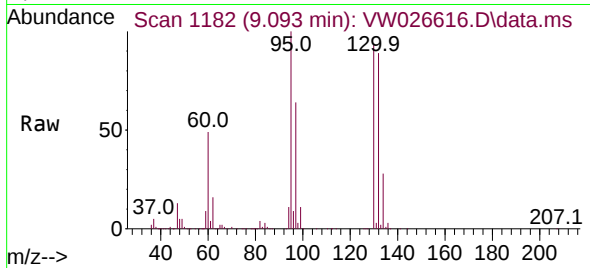




#34
Trichloroethene
Concen: 23.924 ug/L
RT: 9.093 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

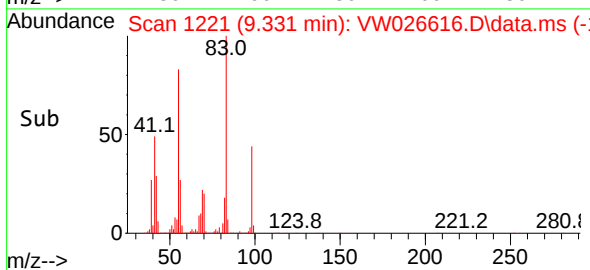
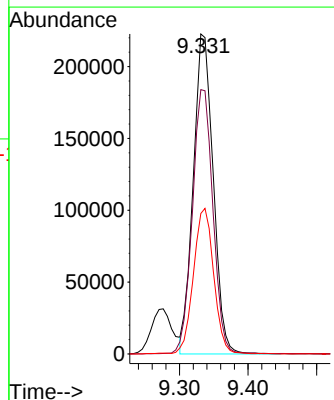
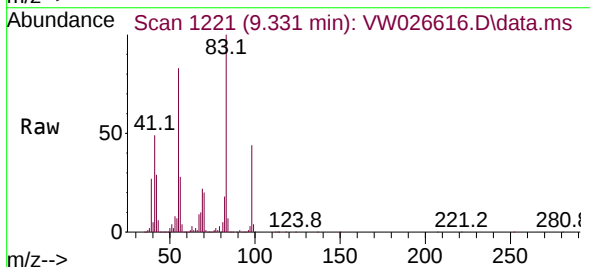
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

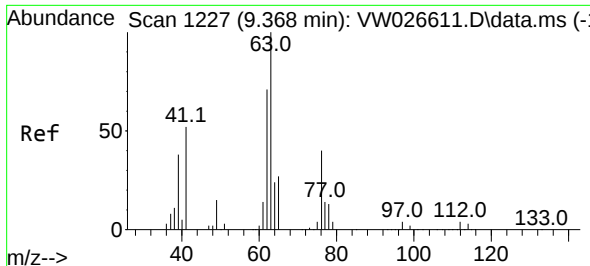
Tgt Ion: 95 Resp: 248745
Ion Ratio Lower Upper
95 100
97 64.5 47.9 88.9
132 89.1 65.0 120.8
130 92.6 67.3 125.1



#35
Methylcyclohexane
Concen: 24.187 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 83 Resp: 451543
Ion Ratio Lower Upper
83 100
55 85.0 68.7 103.1
98 46.2 37.3 55.9





#37

1,2-Dichloropropane

Concen: 24.572 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

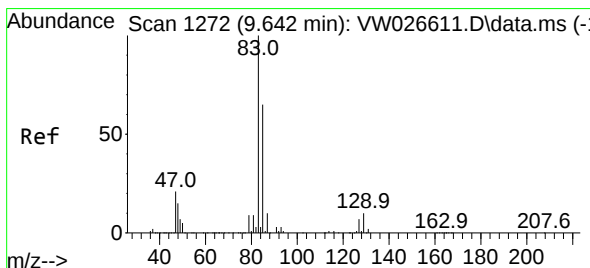
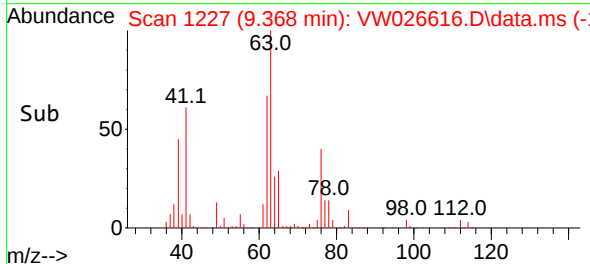
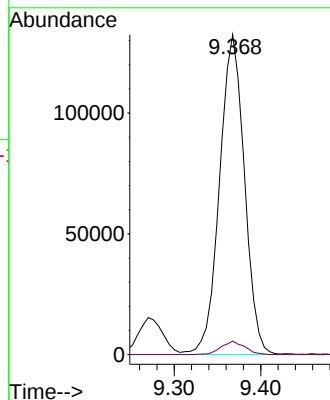
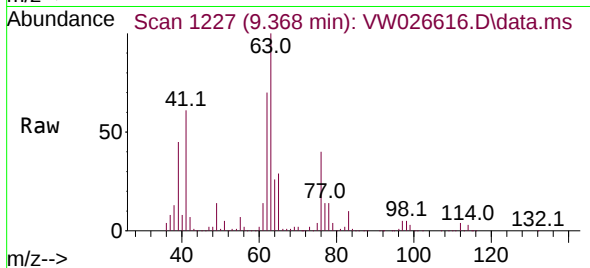
VSTD025562

Tgt Ion: 63 Resp: 264125

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 24.826 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

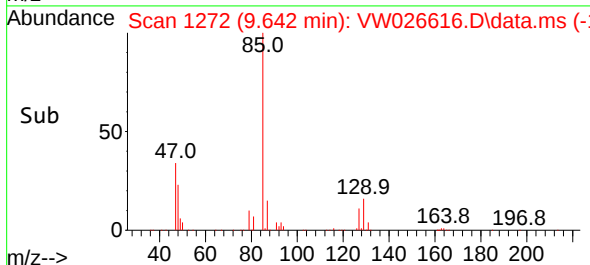
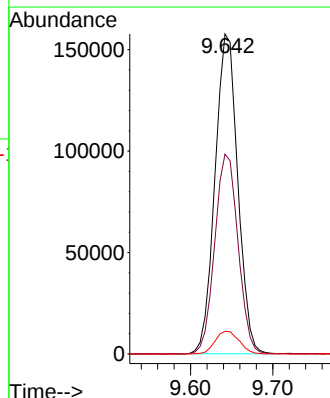
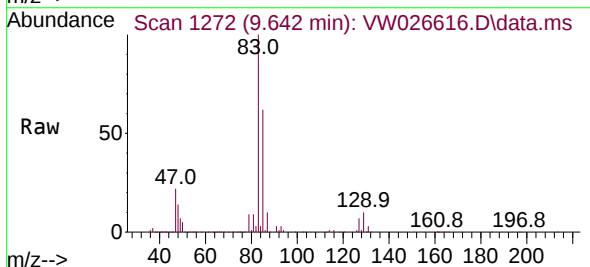
Tgt Ion: 83 Resp: 303186

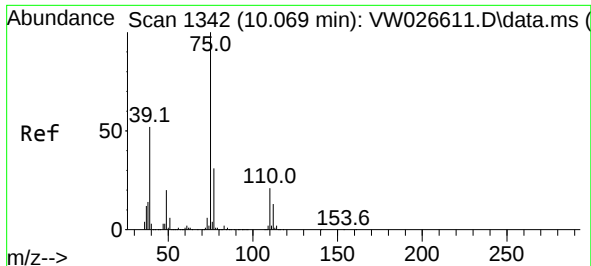
Ion Ratio Lower Upper

83 100

85 62.4 43.3 80.3

127 7.0 6.6 10.0

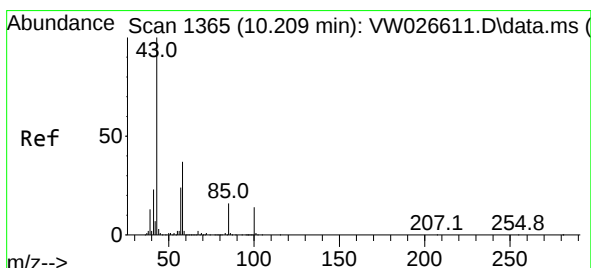
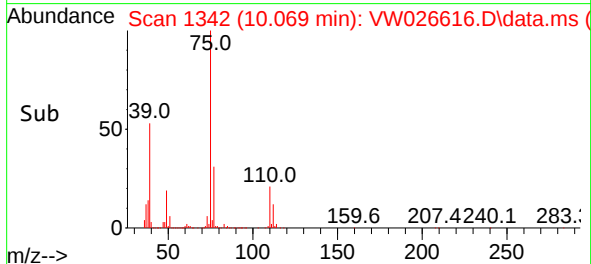
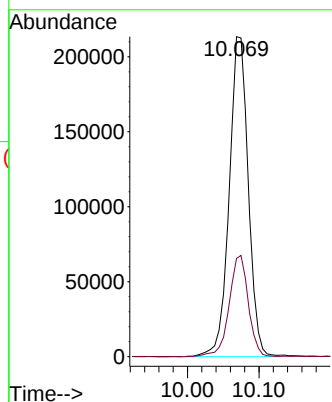
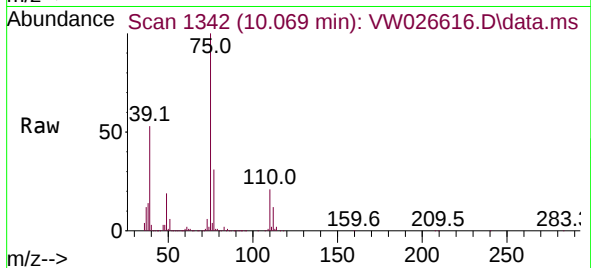




#39
 cis-1,3-Dichloropropene
 Concen: 25.529 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. 0.000 min
 Lab File: VW026616.D
 Acq: 19 Jul 2023 11:27

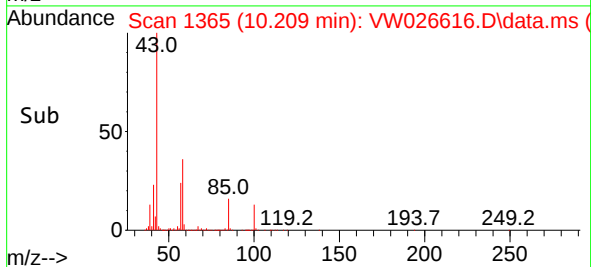
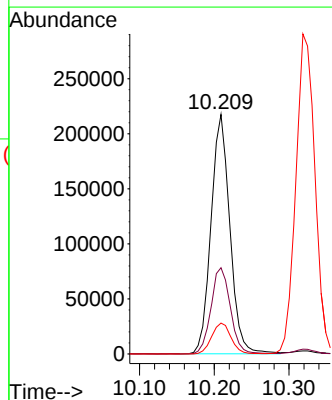
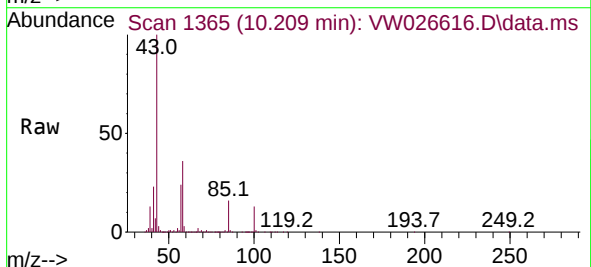
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025562

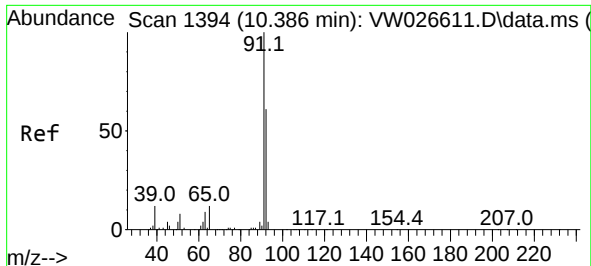
Tgt Ion: 75 Resp: 395073
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 47.028 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW026616.D
 Acq: 19 Jul 2023 11:27

Tgt Ion: 43 Resp: 381540
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.8
 100 13.3 10.7 16.1

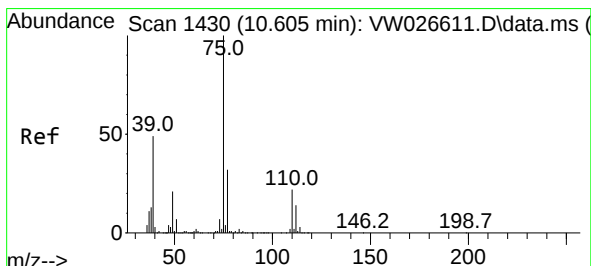
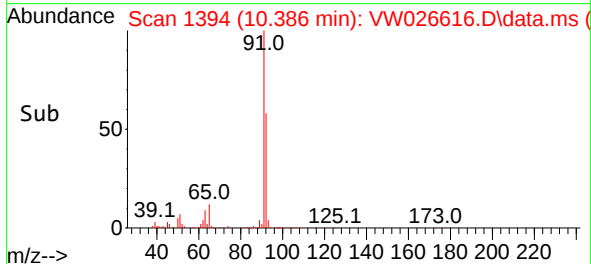
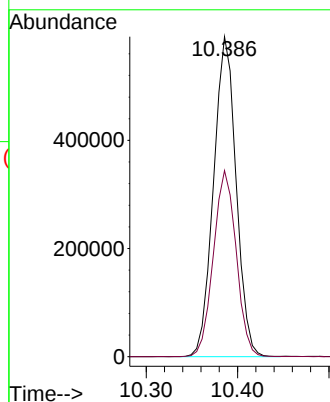
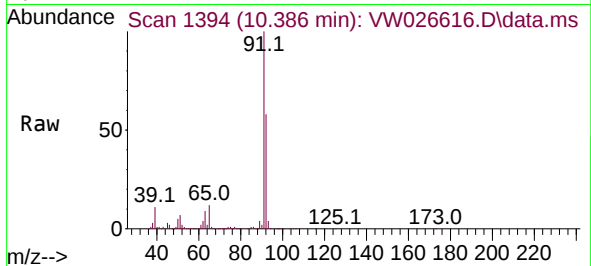




#42
Toluene
Concen: 24.818 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

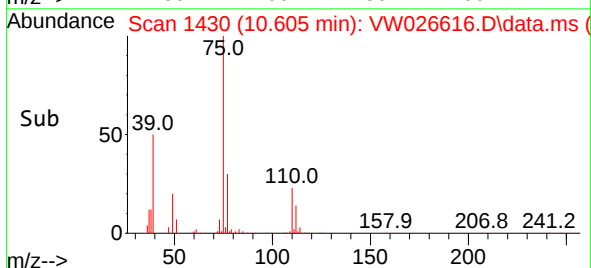
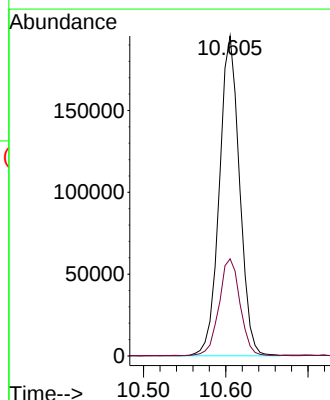
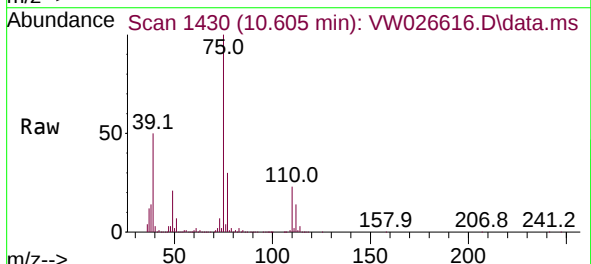
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

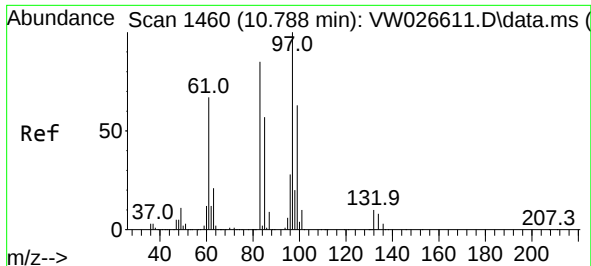
Tgt Ion: 91 Resp: 1014444
Ion Ratio Lower Upper
91 100
92 58.2 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 25.520 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 75 Resp: 333075
Ion Ratio Lower Upper
75 100
77 30.3 23.0 42.6



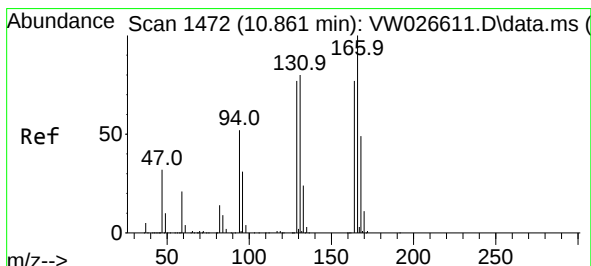
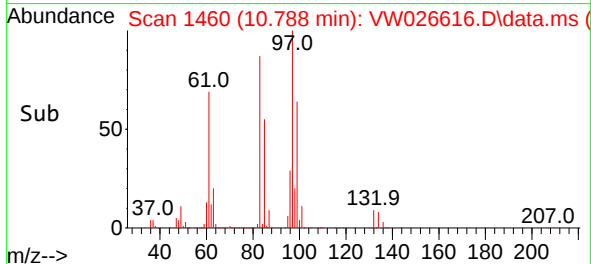
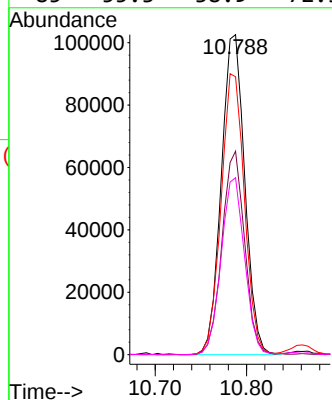
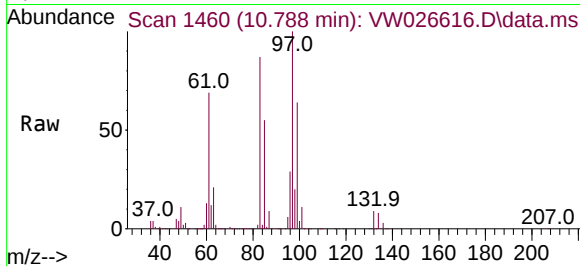


#45
1,1,2-Trichloroethane
Concen: 24.461 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

Tgt Ion: 97 Resp: 183505

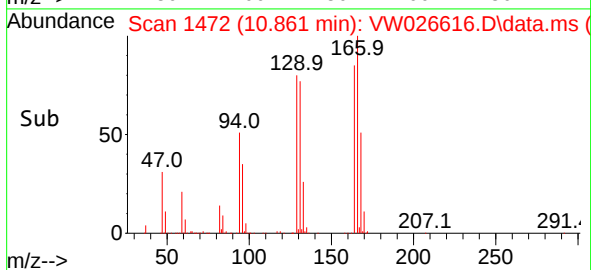
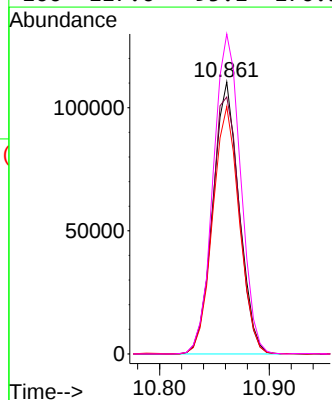
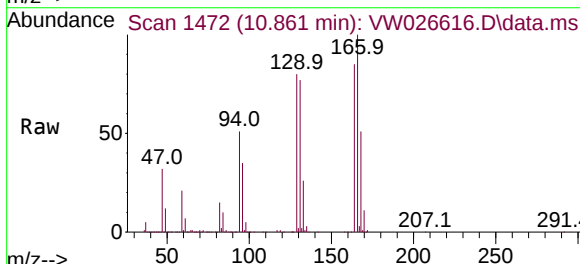
Ion	Ratio	Lower	Upper
97	100		
99	63.6	40.5	75.3
83	86.9	61.0	113.2
85	55.3	38.9	72.3

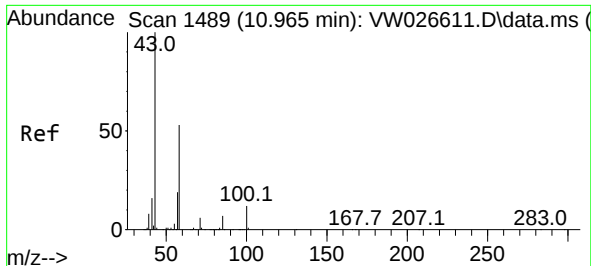


#46
Tetrachloroethene
Concen: 24.909 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion:164 Resp: 183854

Ion	Ratio	Lower	Upper
164	100		
129	94.5	75.5	140.1
131	91.0	74.8	138.8
166	117.6	95.1	176.5

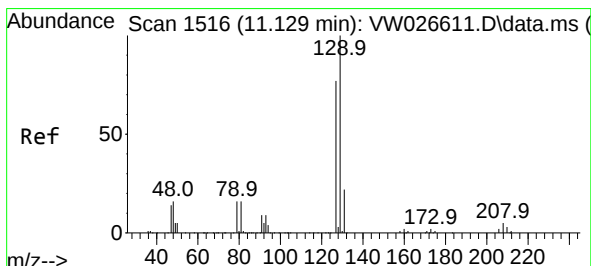
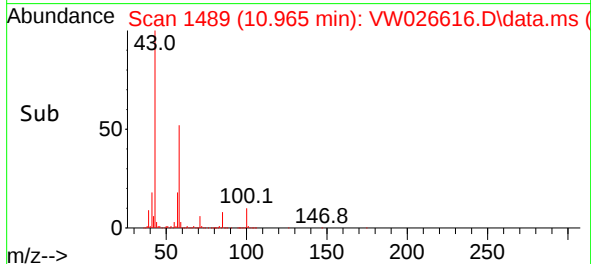
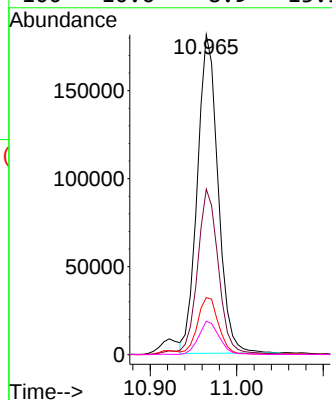
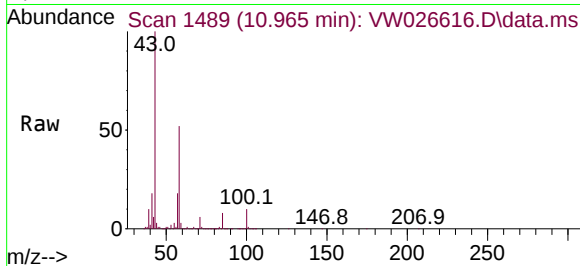




#48
2-Hexanone
Concen: 52.986 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

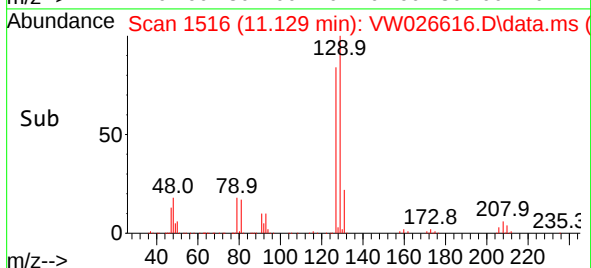
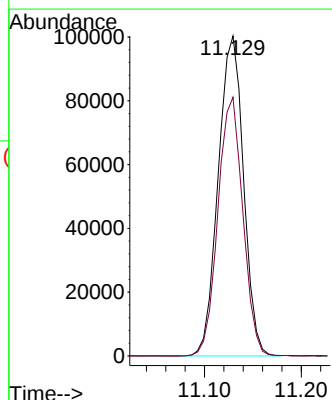
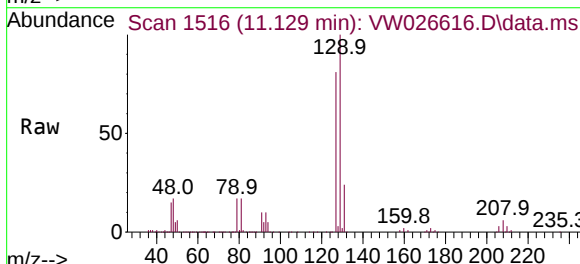
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

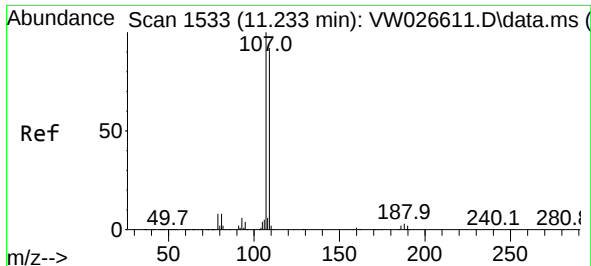
Tgt Ion: 43 Resp: 300006
Ion Ratio Lower Upper
43 100
58 51.9 42.1 63.1
57 18.6 14.8 22.2
100 10.6 8.9 13.3



#49
Dibromochloromethane
Concen: 24.520 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 129 Resp: 182146
Ion Ratio Lower Upper
129 100
127 80.9 51.2 95.2





#50

1,2-Dibromoethane

Concen: 24.059 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025562

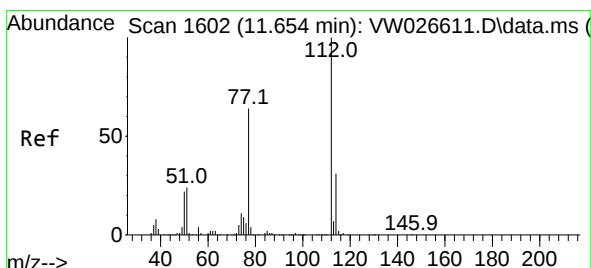
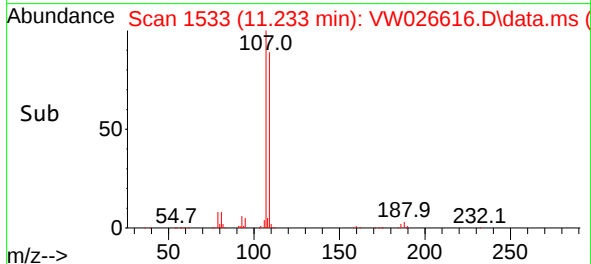
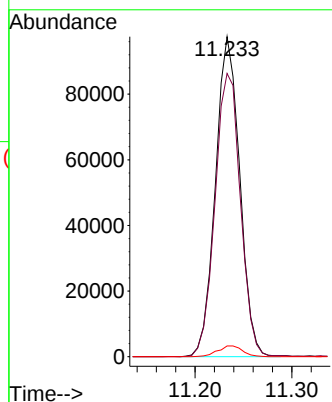
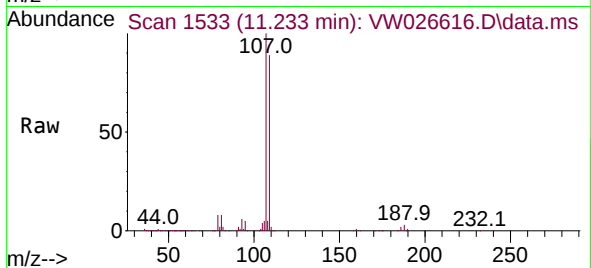
Tgt Ion:107 Resp: 170143

Ion Ratio Lower Upper

107 100

109 88.5 62.9 116.7

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 24.459 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

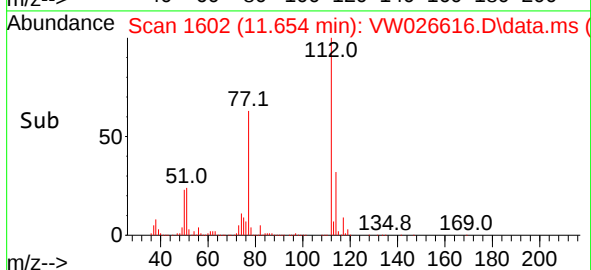
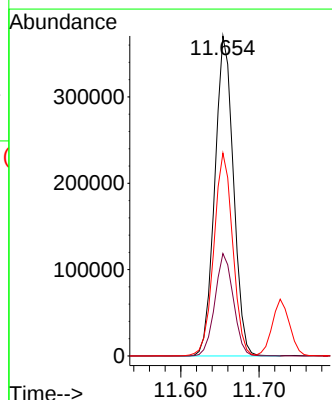
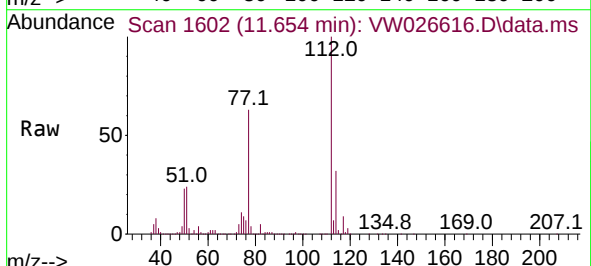
Tgt Ion:112 Resp: 612992

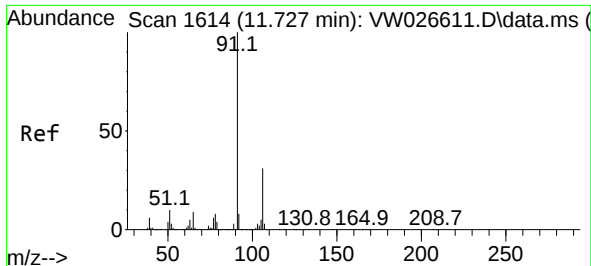
Ion Ratio Lower Upper

112 100

114 32.0 21.6 40.2

77 63.4 50.3 75.5

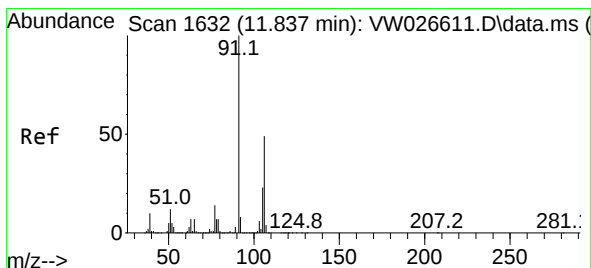
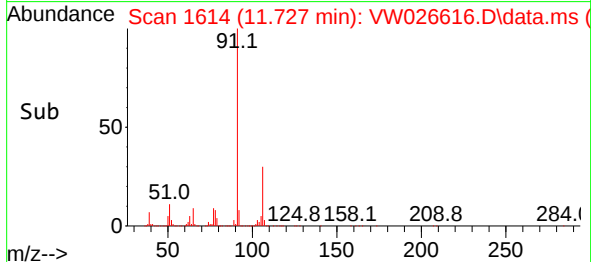
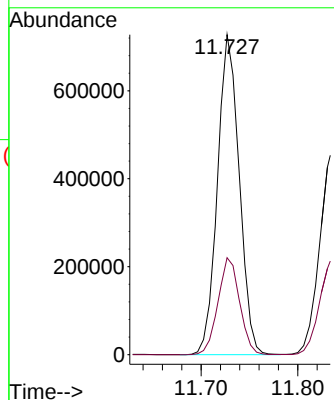
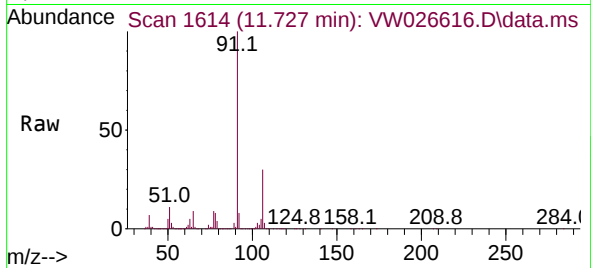




#52
Ethylbenzene
Concen: 24.963 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

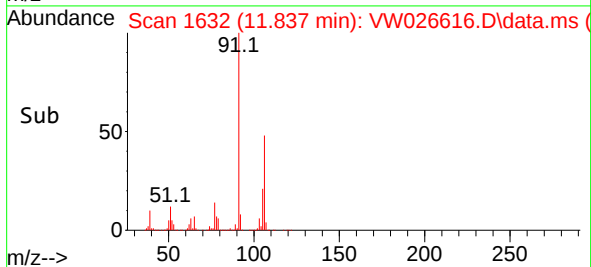
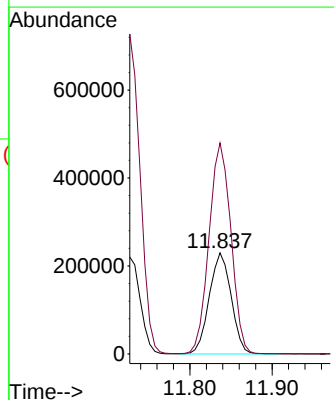
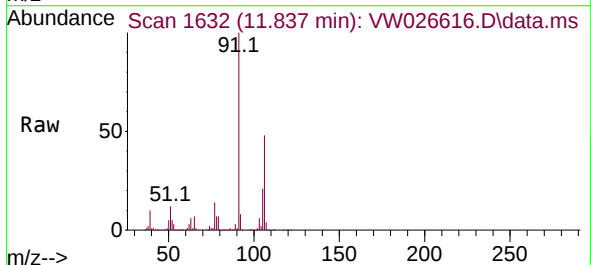
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

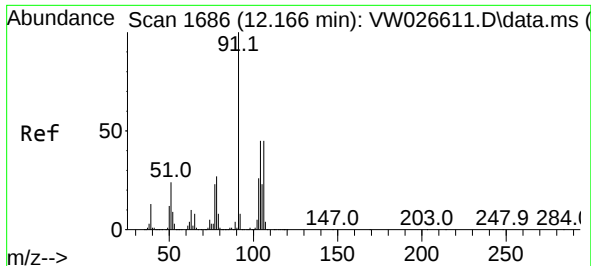
Tgt Ion: 91 Resp: 1136013
Ion Ratio Lower Upper
91 100
106 30.3 20.8 38.6



#53
m,p-Xylene
Concen: 25.670 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion: 106 Resp: 424988
Ion Ratio Lower Upper
106 100
91 208.9 150.3 279.1

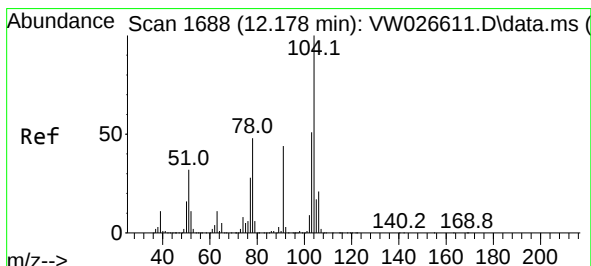
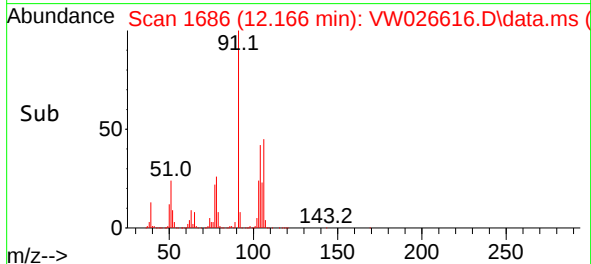
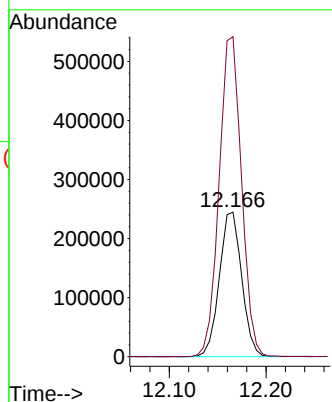
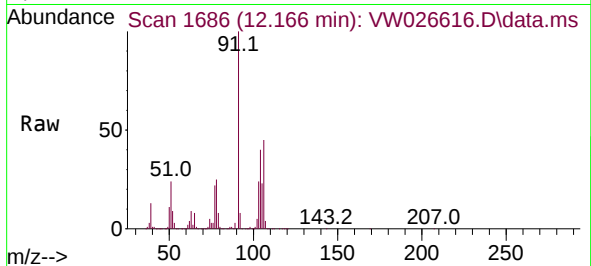




#54
o-Xylene
Concen: 25.265 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

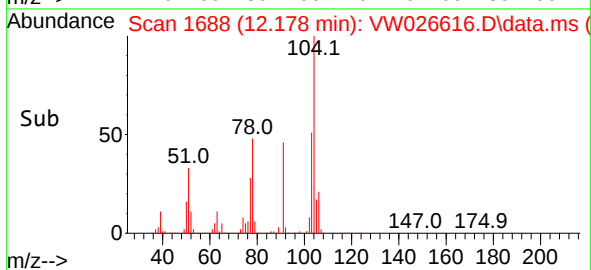
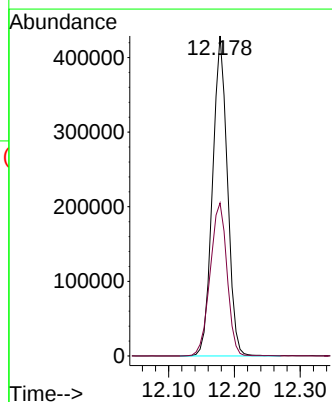
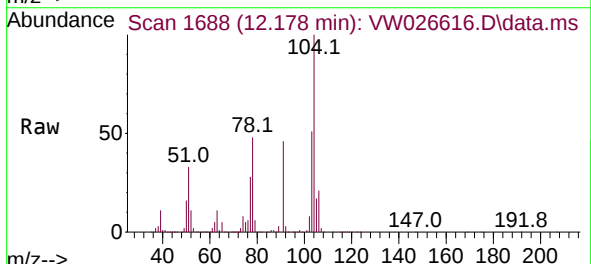
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

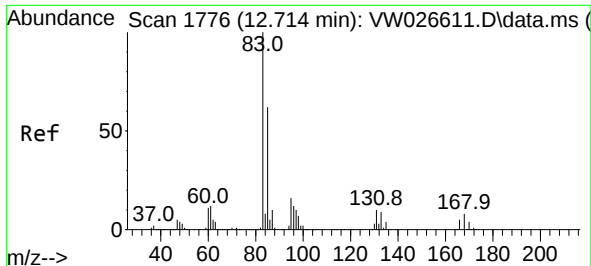
Tgt Ion:106 Resp: 392605
Ion Ratio Lower Upper
106 100
91 221.6 154.3 286.5



#55
Styrene
Concen: 25.809 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion:104 Resp: 676478
Ion Ratio Lower Upper
104 100
78 47.8 34.6 64.2

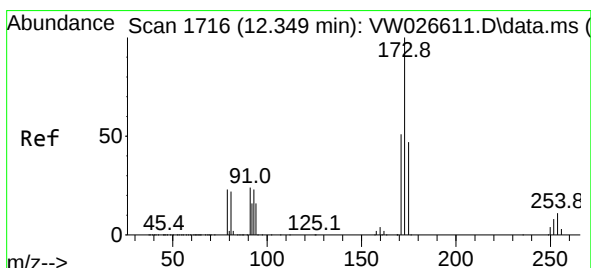
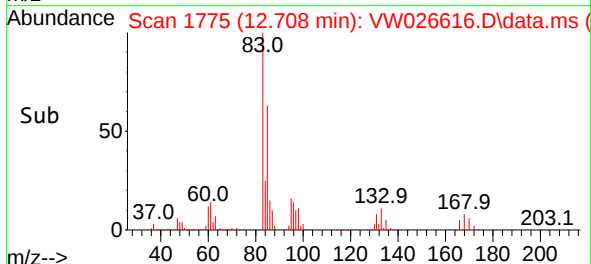
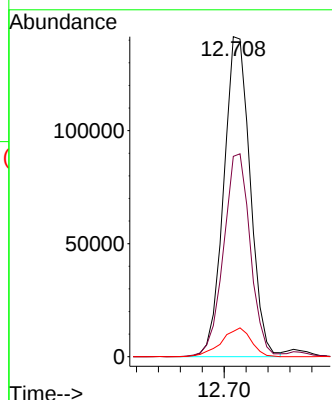
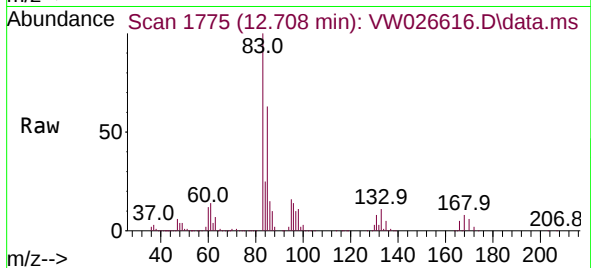




#57
1,1,2,2-Tetrachloroethane
Concen: 24.025 ug/L
RT: 12.708 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

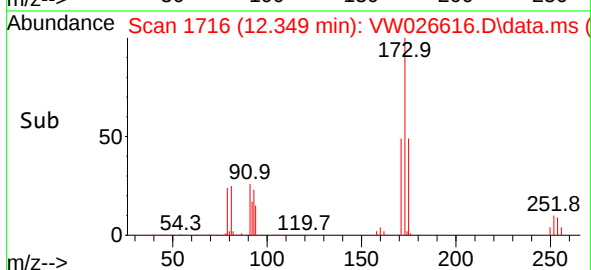
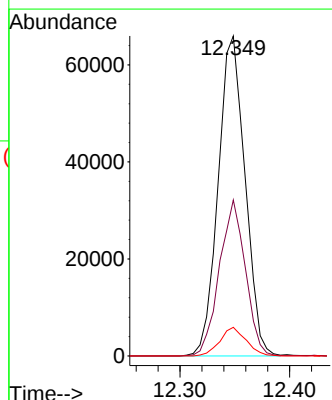
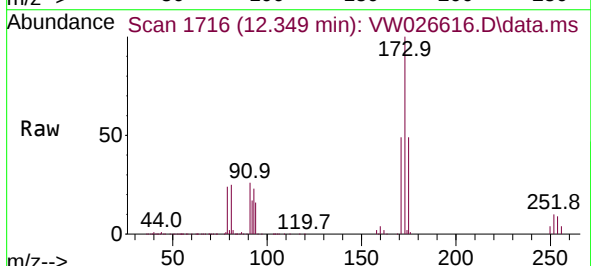
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

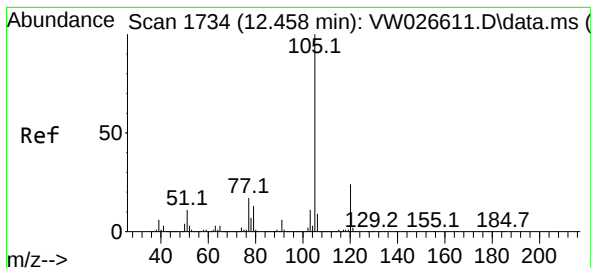
Tgt Ion: 83 Resp: 236539
Ion Ratio Lower Upper
83 100
85 62.6 46.2 85.8
131 7.9 7.2 10.8



#59
Bromoform
Concen: 23.977 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion:173 Resp: 112309
Ion Ratio Lower Upper
173 100
175 47.2 36.6 54.8
254 8.7 7.8 11.6





#60

Isopropylbenzene

Concen: 24.225 ug/L

RT: 12.458 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025562

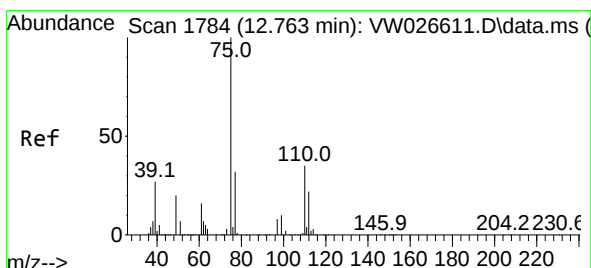
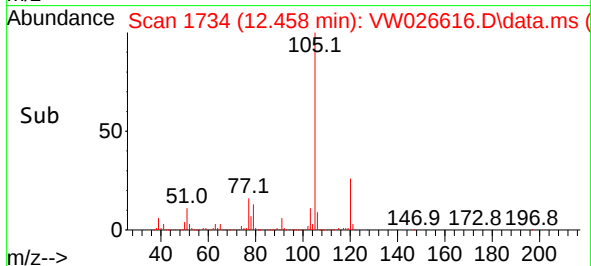
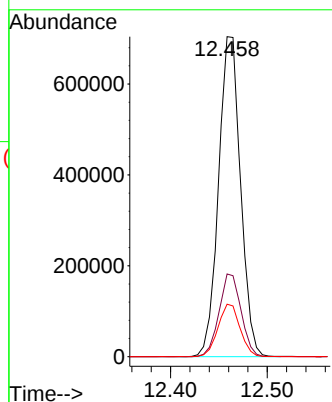
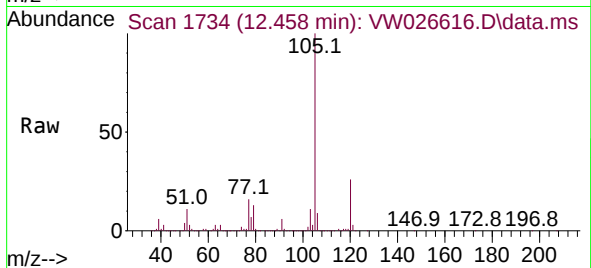
Tgt Ion:105 Resp: 1110019

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

77 16.4 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 21.711 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

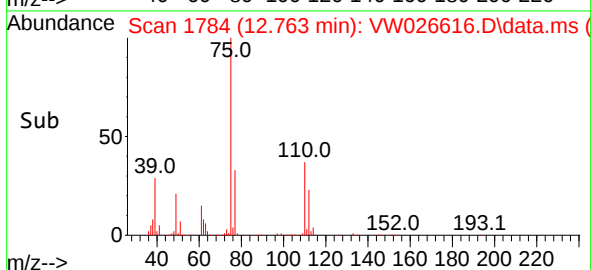
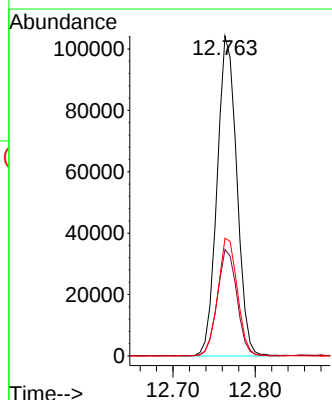
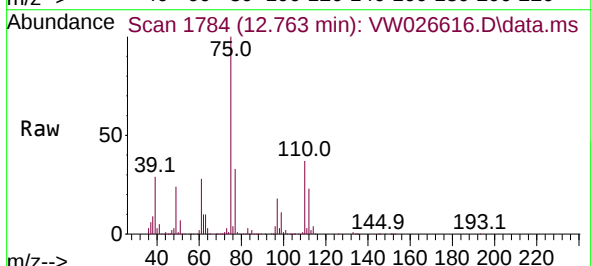
Tgt Ion: 75 Resp: 173671

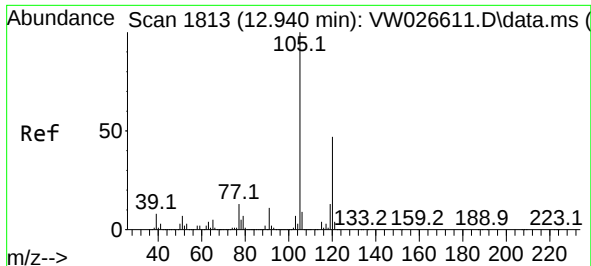
Ion Ratio Lower Upper

75 100

77 33.0 25.7 38.5

110 36.6 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 25.328 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

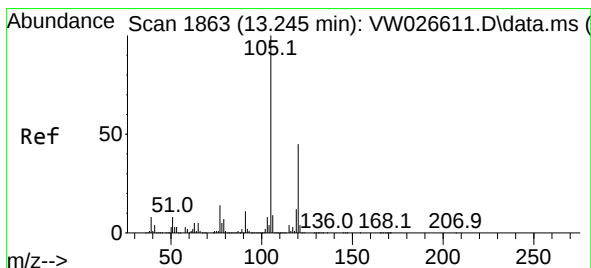
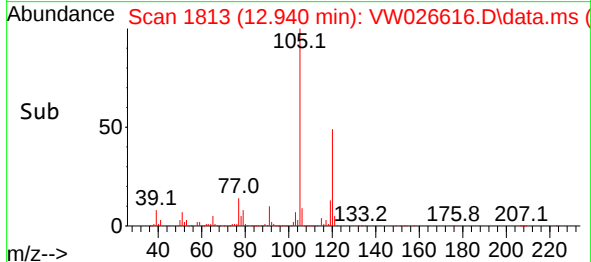
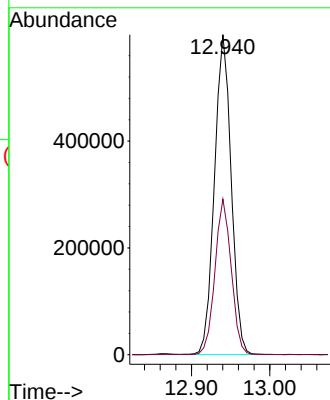
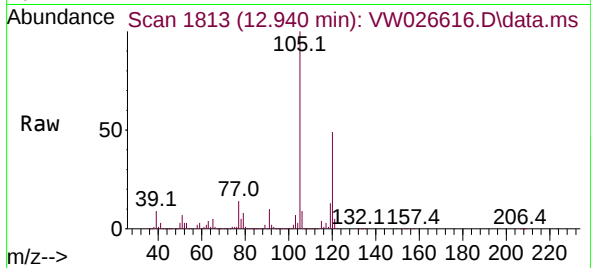
VSTD025562

Tgt Ion:105 Resp: 890165

Ion Ratio Lower Upper

105 100

120 47.2 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 25.094 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026616.D

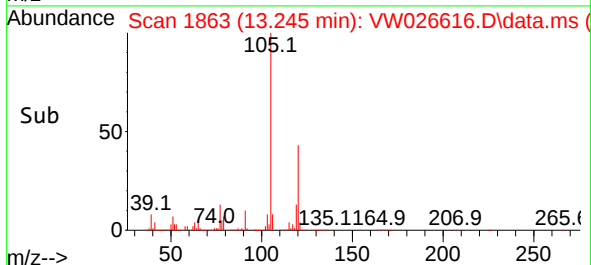
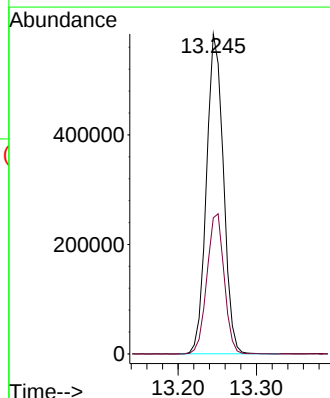
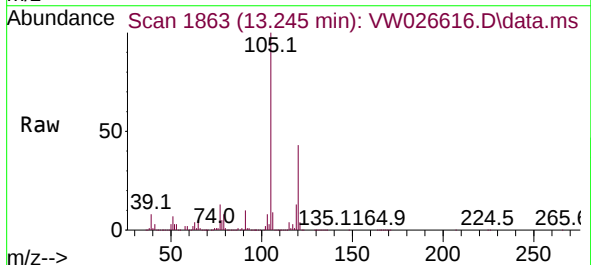
Acq: 19 Jul 2023 11:27

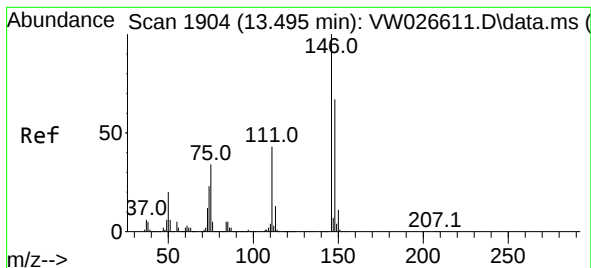
Tgt Ion:105 Resp: 874397

Ion Ratio Lower Upper

105 100

120 44.6 35.2 52.8





#64

1,3-Dichlorobenzene

Concen: 24.580 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025562

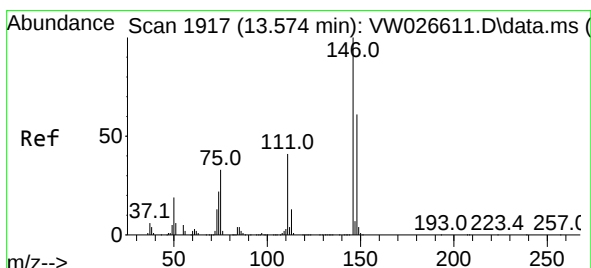
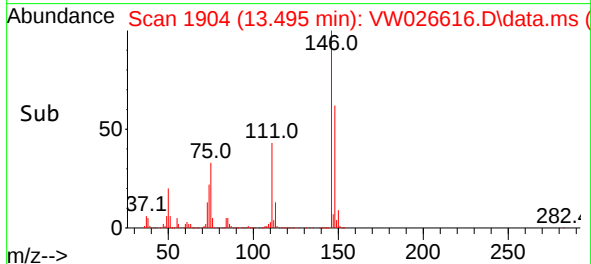
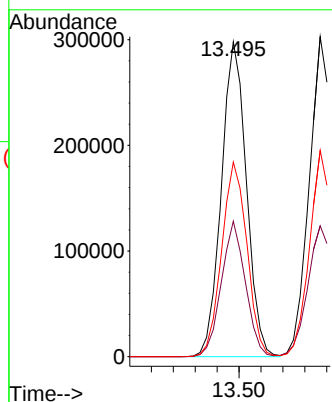
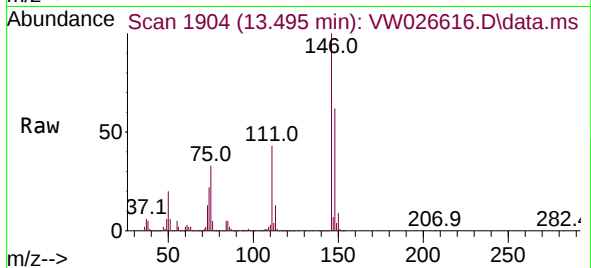
Tgt Ion:146 Resp: 472607

Ion Ratio Lower Upper

146 100

111 43.0 30.4 56.4

148 61.8 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 24.128 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

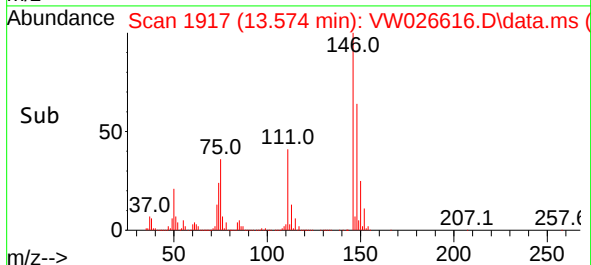
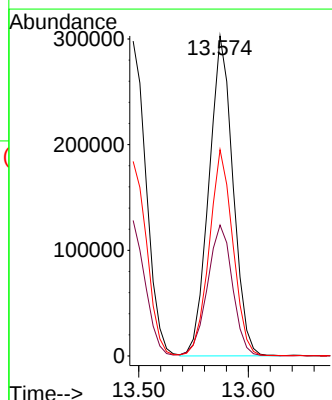
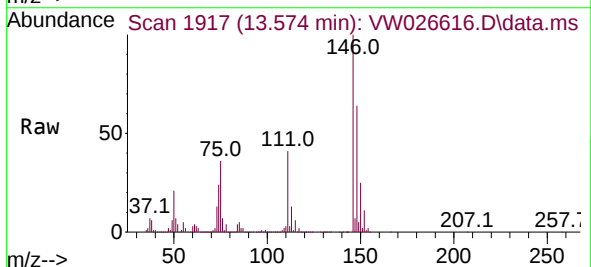
Tgt Ion:146 Resp: 462668

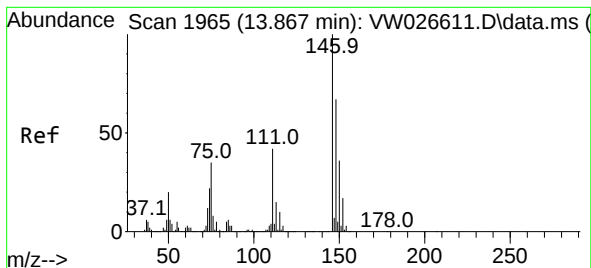
Ion Ratio Lower Upper

146 100

111 40.9 29.7 55.1

148 64.5 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 23.905 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025562

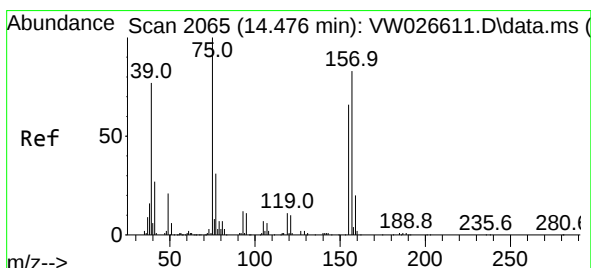
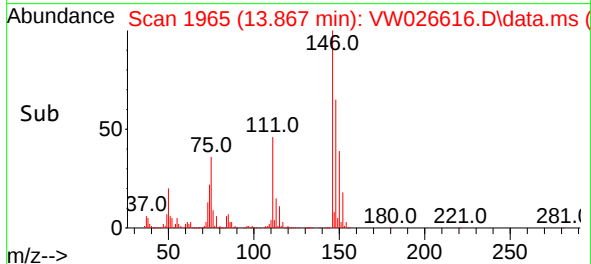
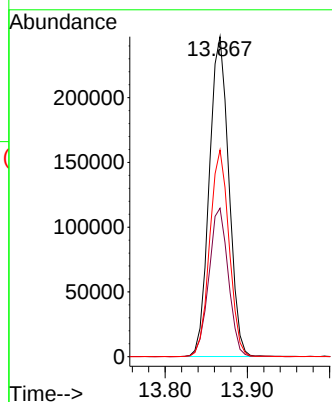
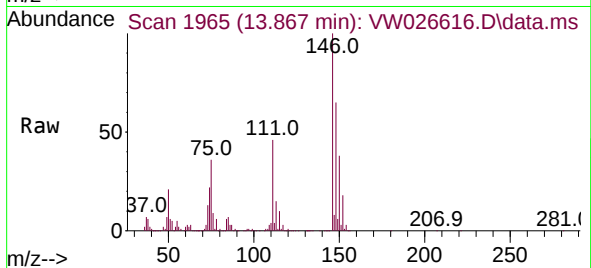
Tgt Ion:146 Resp: 406786

Ion Ratio Lower Upper

146 100

111 46.4 31.8 47.8

148 64.6 46.9 70.3



#68

1,2-Dibromo-3-chloropropane

Concen: 20.911 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

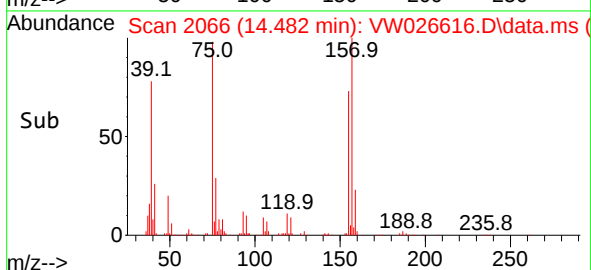
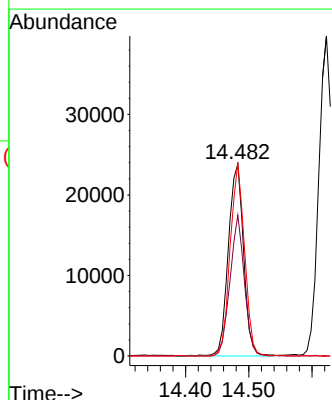
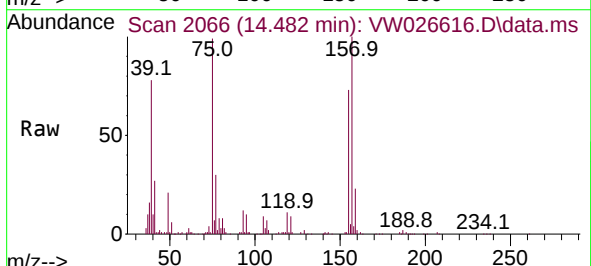
Tgt Ion: 75 Resp: 39812

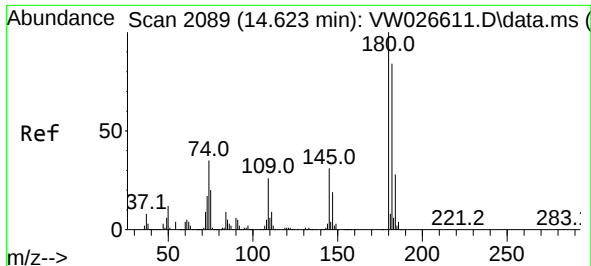
Ion Ratio Lower Upper

75 100

155 73.5 49.1 73.7

157 101.0 60.6 90.8#

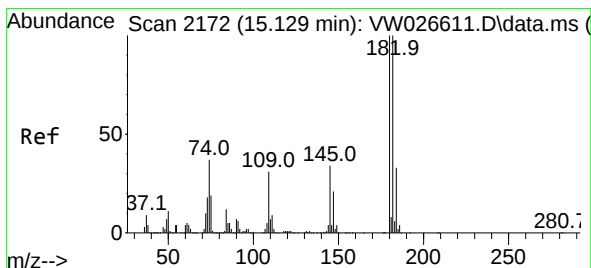
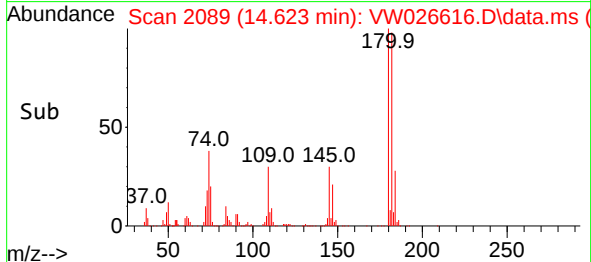
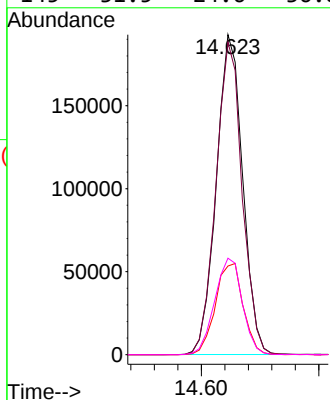
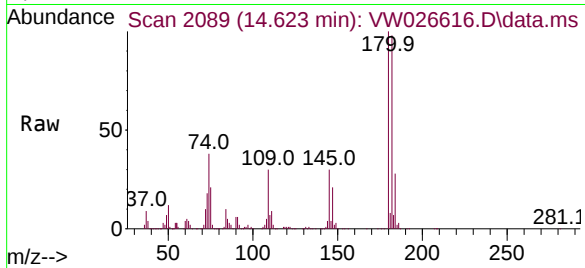




#69
1,3,5-Trichlorobenzene
Concen: 23.579 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

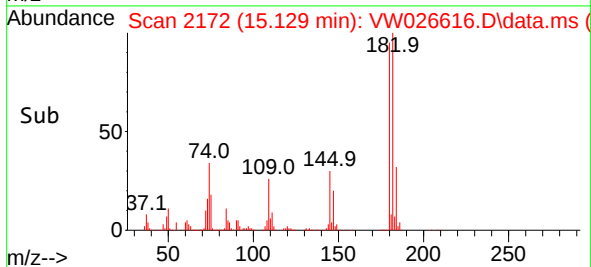
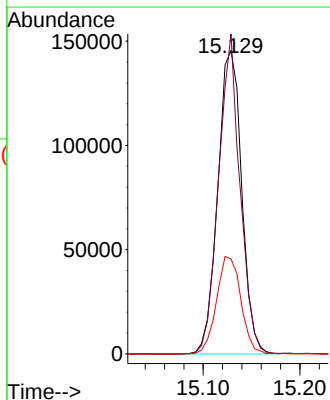
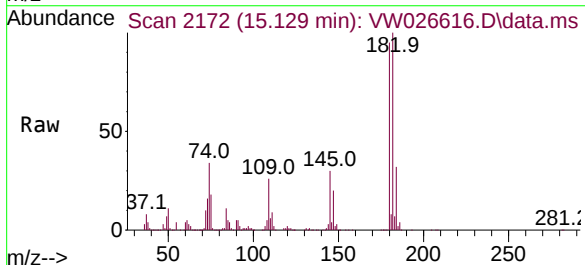
Instrument :
MSVOA_W
ClientSampleId :
VSTD025562

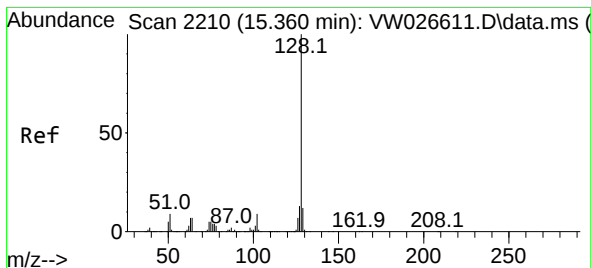
Tgt Ion:	180	Resp:	300015
Ion Ratio	Lower	Upper	
180	100		
182	97.4	75.8	113.6
184	30.0	23.7	35.5
145	31.5	24.6	36.8



#70
1,2,4-trichlorobenzene
Concen: 23.904 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW026616.D
Acq: 19 Jul 2023 11:27

Tgt Ion:	180	Resp:	249598
Ion Ratio	Lower	Upper	
180	100		
182	94.4	73.5	110.3
145	32.7	25.0	37.6





#71

Naphthalene

Concen: 23.881 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD025562

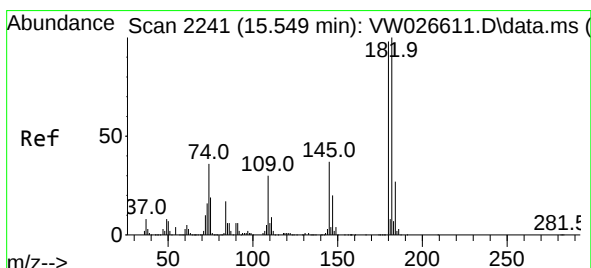
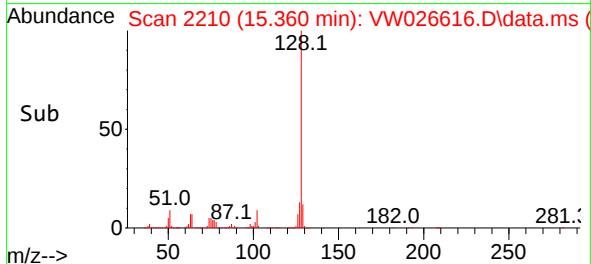
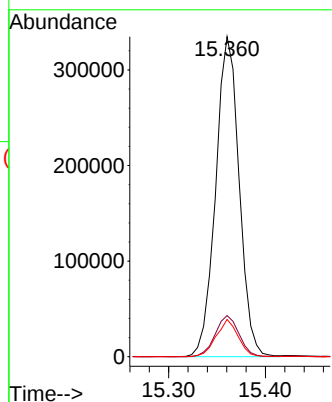
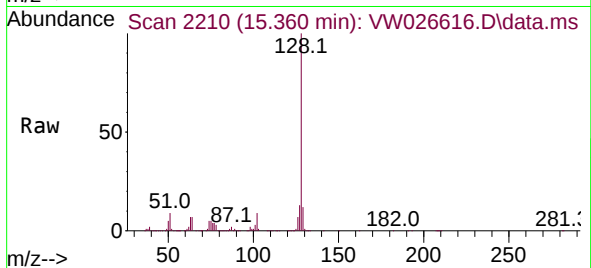
Tgt Ion:128 Resp: 564688

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 24.098 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026616.D

Acq: 19 Jul 2023 11:27

Tgt Ion:180 Resp: 236885

Ion Ratio Lower Upper

180 100

182 88.1 75.2 112.8

145 34.0 26.6 40.0

