

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW061623\
 Data File : VW026238.D
 Acq On : 16 Jun 2023 19:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025522

Quant Time: Jun 17 00:08:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 23:58:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	606092	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	553304	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	274549	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	165093	19.362	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.440%
7) Chloroethane-d5	2.893	69	157085	24.611	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.440%
11) 1,1-Dichloroethene-d2	4.021	65	86423	20.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.240%
21) 2-Butanone-d5	7.075	46	155977	62.834	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.660%
24) Chloroform-d	7.648	84	427009	24.059	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.240%
26) 1,2-Dichloroethane-d4	8.307	65	238098	24.533	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.120%
32) Benzene-d6	8.270	84	830899	22.317	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.280%
36) 1,2-Dichloropropane-d6	9.276	67	278063	23.574	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.280%
41) Toluene-d8	10.325	98	709284	21.482	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.920%
43) trans-1,3-Dichloroprop...	10.575	79	94348	20.185	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.760%
47) 2-Hexanone-d5	10.922	63	108039	58.090	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.180%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	237565	27.678	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.720%
66) 1,2-Dichlorobenzene-d4	13.849	152	225396	21.449	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	150483	20.254	ug/L	90
3) Chloromethane	2.229	50	225556	23.676	ug/L	98
5) Vinyl chloride	2.375	62	235891	23.164	ug/L	100
6) Bromomethane	2.783	94	130639	23.532	ug/L	98
8) Chloroethane	2.930	64	146314	26.588	ug/L	96
9) Trichlorofluoromethane	3.265	101	152361	23.256	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	198215	23.978	ug/L	96
12) 1,1-Dichloroethene	4.045	96	176826	22.914	ug/L	92
13) Acetone	4.119	43	83164	43.297	ug/L	99
14) Carbon disulfide	4.393	76	559352	20.533	ug/L	99
15) Methyl Acetate	4.667	43	119518	27.725	ug/L	98
16) Methylene chloride	4.923	84	203631	21.050	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	195659	22.598	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	316390	23.186	ug/L	99
19) 1,1-Dichloroethane	6.216	63	422804	23.987	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	220848	24.081	ug/L	99
22) 2-Butanone	7.167	43	145707	53.179	ug/L	99
23) Bromochloromethane	7.514	128	94077	24.053	ug/L	95
25) Chloroform	7.673	83	394825	24.049	ug/L	99

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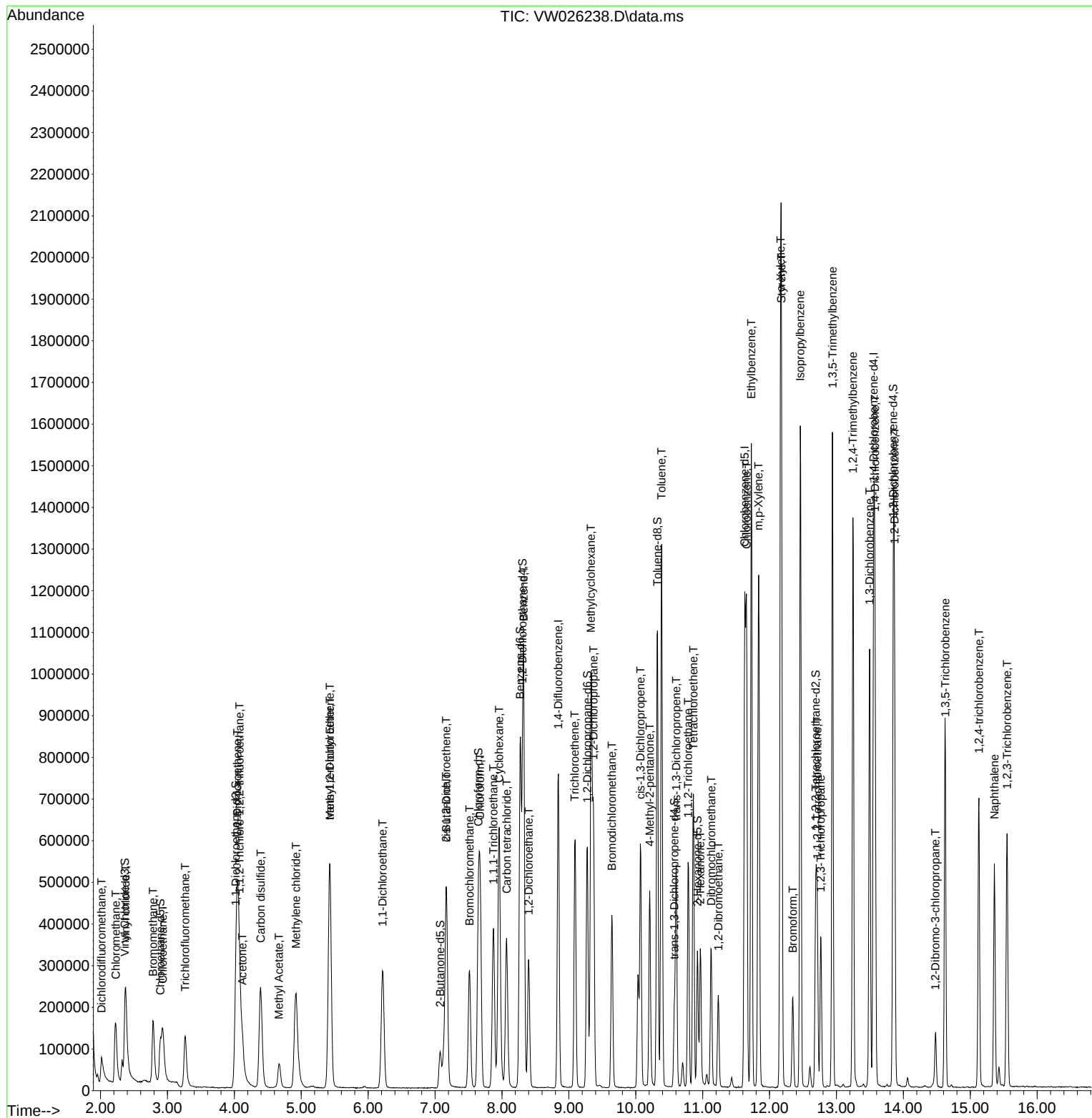
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	276323	24.404	ug/L	98
29) Cyclohexane	7.959	56	365332	21.387	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	303597	22.610	ug/L	98
31) Carbon tetrachloride	8.069	117	270196	22.052	ug/L	99
33) Benzene	8.325	78	884481	23.335	ug/L	100
34) Trichloroethene	9.087	95	216855	22.343	ug/L	94
35) Methylcyclohexane	9.331	83	371828	21.651	ug/L	100
37) 1,2-Dichloropropane	9.368	63	242378	23.609	ug/L	100
38) Bromodichloromethane	9.642	83	275533	23.101	ug/L	100
39) cis-1,3-Dichloropropene	10.069	75	336633	22.313	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	328128	54.212	ug/L	100
42) Toluene	10.386	91	905294	23.352	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	280828	22.343	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	167368	24.736	ug/L	98
46) Tetrachloroethene	10.861	164	153661	22.384	ug/L	94
48) 2-Hexanone	10.965	43	220520	51.672	ug/L	98
49) Dibromochloromethane	11.130	129	172075	24.257	ug/L	88
50) 1,2-Dibromoethane	11.233	107	149442	23.854	ug/L	99
51) Chlorobenzene	11.654	112	559016	23.011	ug/L	98
52) Ethylbenzene	11.727	91	1014832	23.205	ug/L	100
53) m,p-Xylene	11.837	106	371832	22.855	ug/L	97
54) o-Xylene	12.166	106	355384	23.144	ug/L	98
55) Styrene	12.178	104	615633	23.369	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.715	83	208250	25.432	ug/L	98
59) Bromoform	12.349	173	94156	22.833	ug/L	98
60) Isopropylbenzene	12.459	105	963636	22.343	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	152247	24.756	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	777389	22.674	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	704379	22.431	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	392168	21.626	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	405888	22.231	ug/L	100
67) 1,2-Dichlorobenzene	13.867	146	359381	22.069	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	34138	23.959	ug/L	91
69) 1,3,5-Trichlorobenzene	14.629	180	247488	19.867	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	197752	19.239	ug/L	98
71) Naphthalene	15.360	128	412718	22.528	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	180091	20.047	ug/L	95

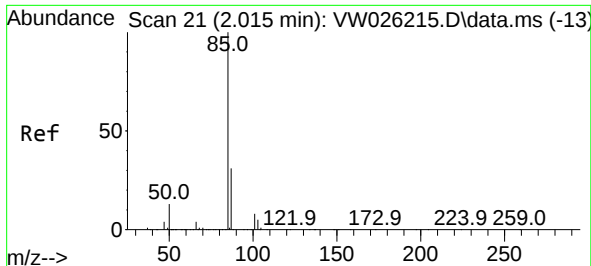
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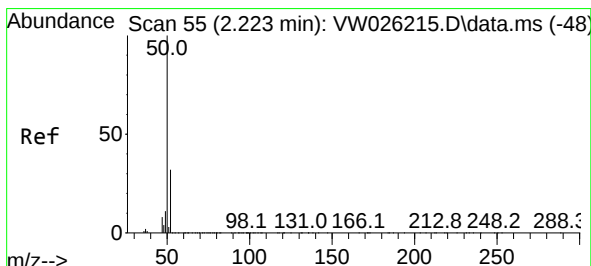
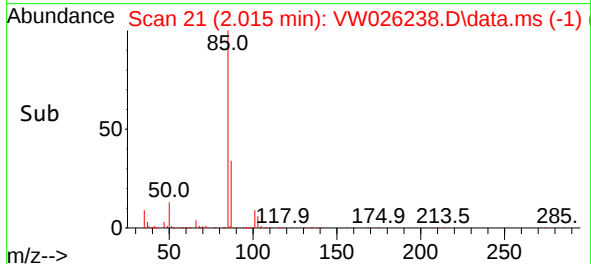
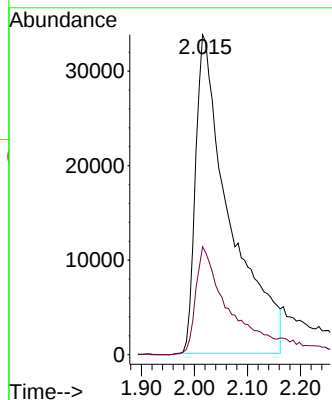
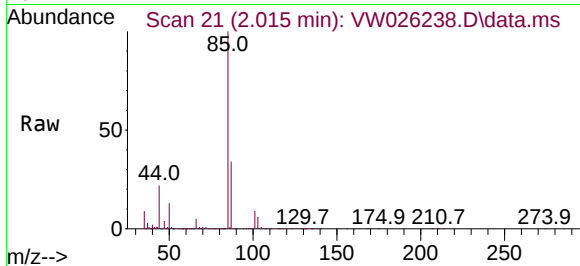




#2
 Dichlorodifluoromethane
 Concen: 20.254 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW026238.D
 Acq: 16 Jun 2023 19:17

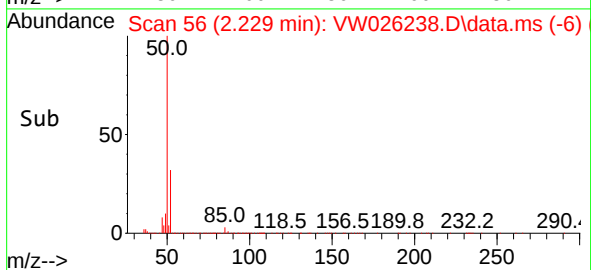
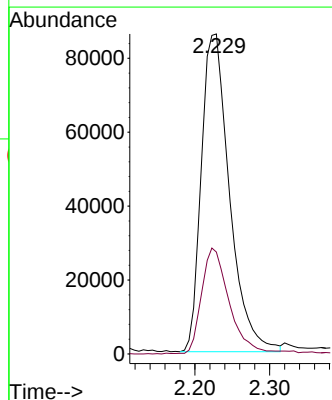
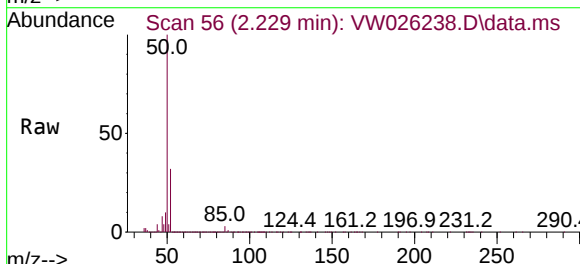
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 MSVOA_W
 ClientSampleId :
 VSTD025522

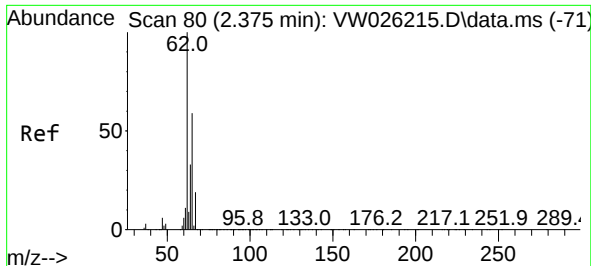
Tgt Ion: 85 Resp: 150483
 Ion Ratio Lower Upper
 85 100
 87 32.9 22.2 33.2



#3
 Chloromethane
 Concen: 23.676 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW026238.D
 Acq: 16 Jun 2023 19:17

Tgt Ion: 50 Resp: 225556
 Ion Ratio Lower Upper
 50 100
 52 31.9 21.3 39.6

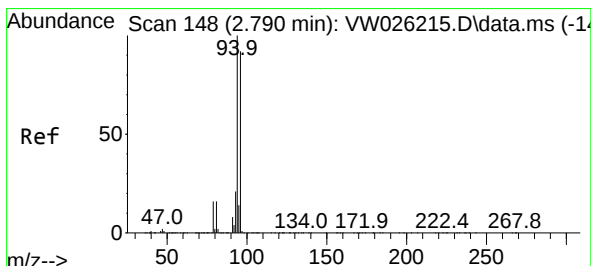
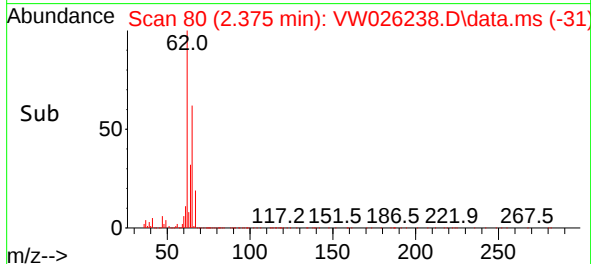
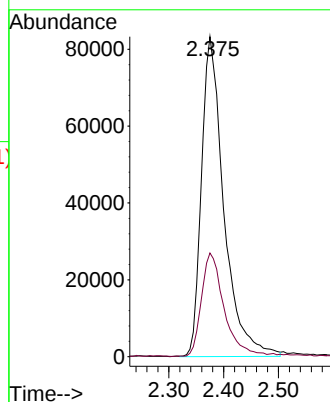
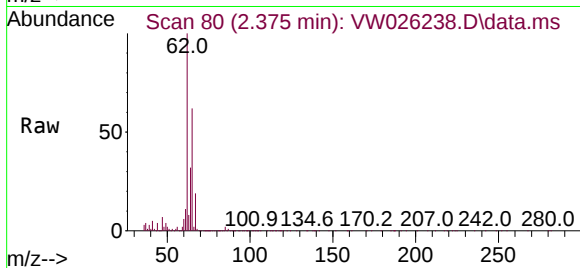




#5
 Vinyl chloride
 Concen: 23.164 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026238.D
 Acq: 16 Jun 2023 19:17

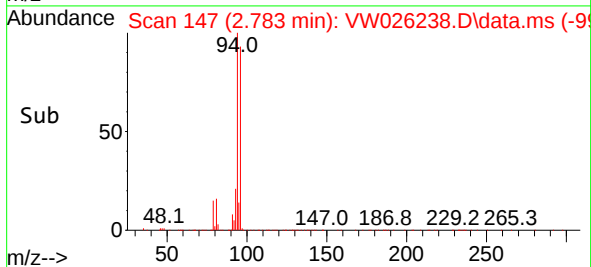
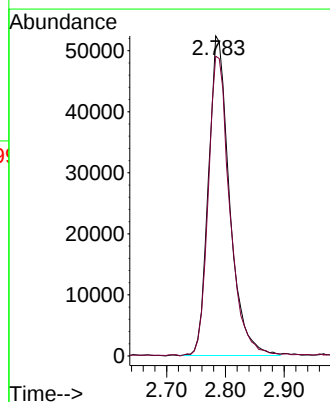
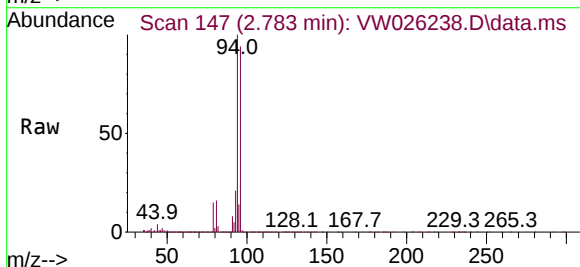
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 ClientSampleId :
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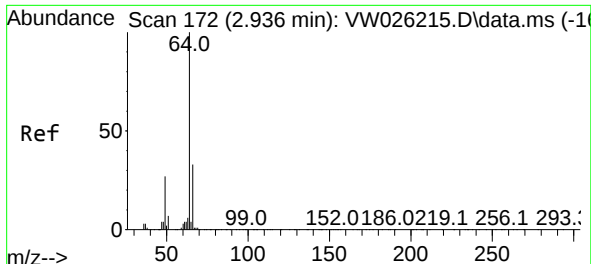
Tgt Ion: 62 Resp: 235891
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.7 42.1



#6
 Bromomethane
 Concen: 23.532 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026238.D
 Acq: 16 Jun 2023 19:17

Tgt Ion: 94 Resp: 130639
 Ion Ratio Lower Upper
 94 100
 96 93.7 64.2 119.2

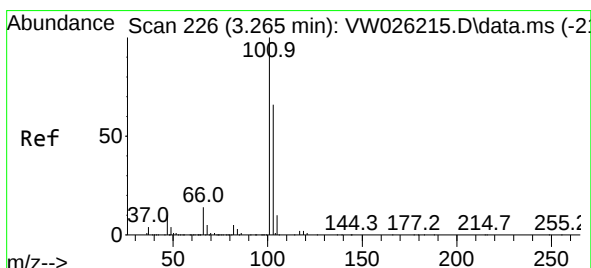
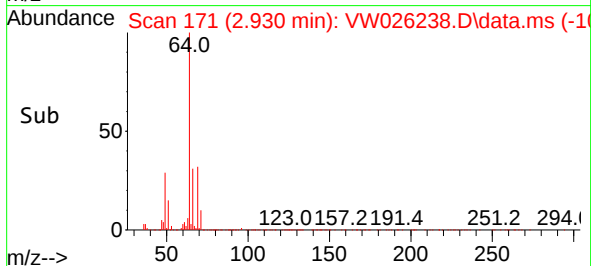
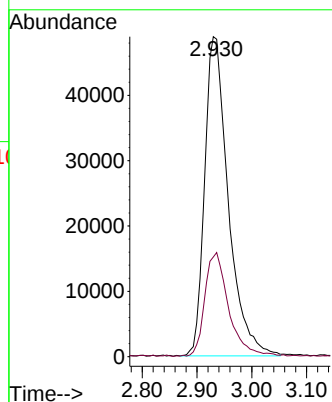
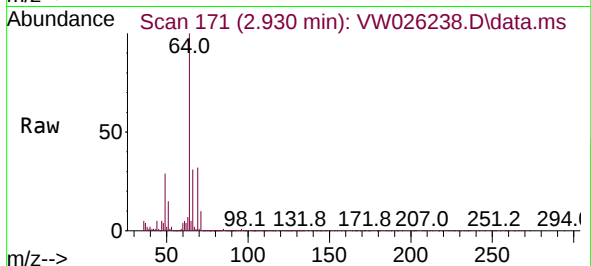




#8
Chloroethane
Concen: 26.588 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.006 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

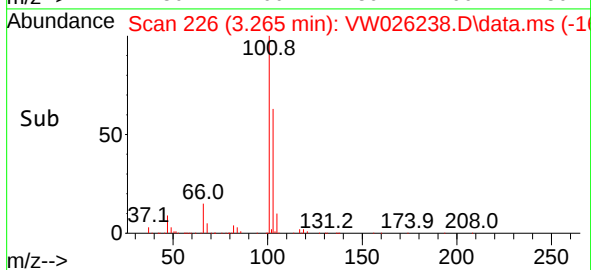
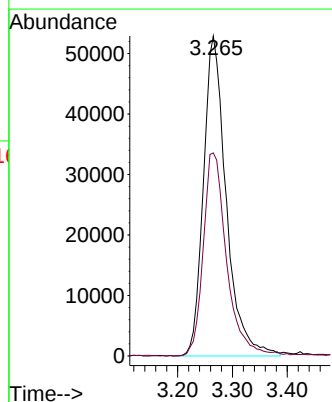
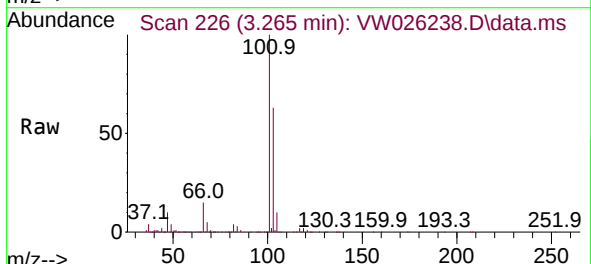
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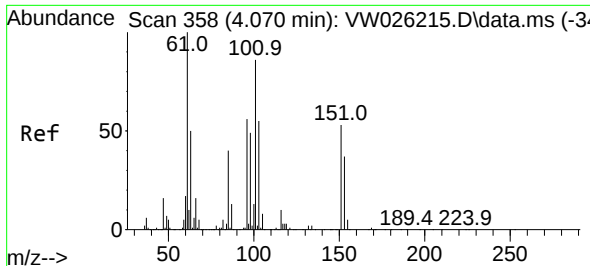
Tgt Ion: 64 Resp: 146314
Ion Ratio Lower Upper
64 100
66 31.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 23.256 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 101 Resp: 152361
Ion Ratio Lower Upper
101 100
103 64.2 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 23.978 ug/L

RT: 4.076 min Scan# 358

Delta R.T. 0.006 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

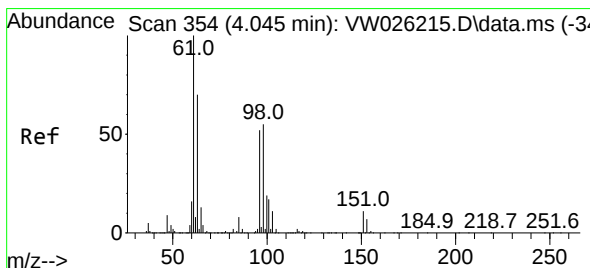
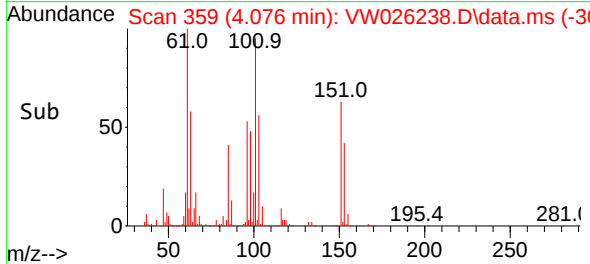
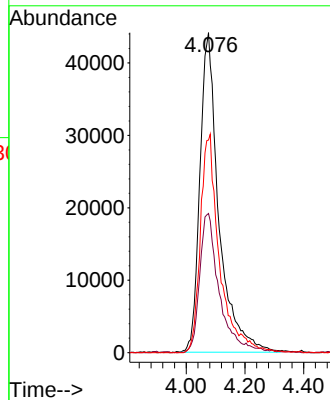
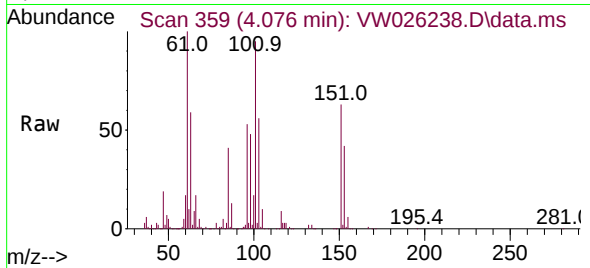
Tgt Ion:101 Resp: 198215

Ion Ratio Lower Upper

101 100

85 43.2 36.1 54.1

151 64.9 55.1 82.7



#12

1,1-Dichloroethene

Concen: 22.914 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.000 min

Lab File: VW026238.D

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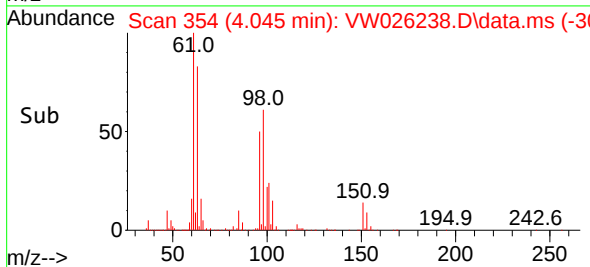
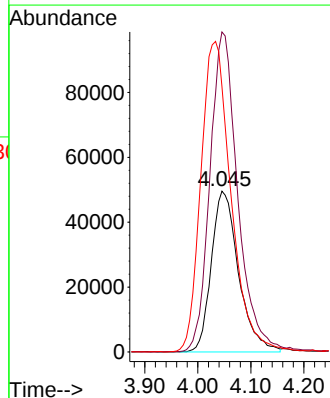
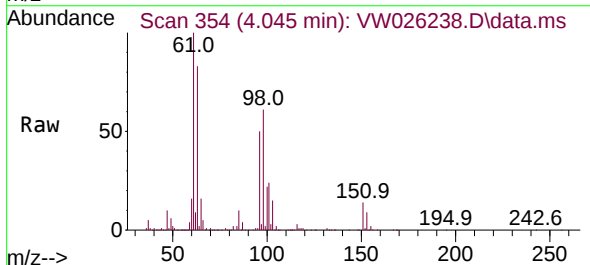
Tgt Ion: 96 Resp: 176826

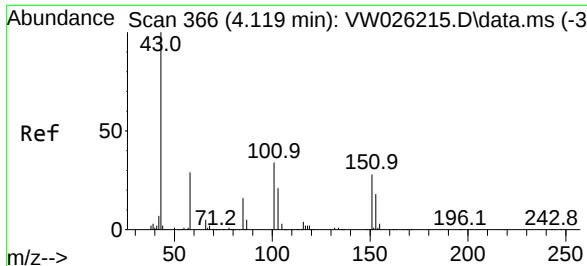
Ion Ratio Lower Upper

96 100

61 199.0 140.6 261.0

63 165.0 131.7 244.5

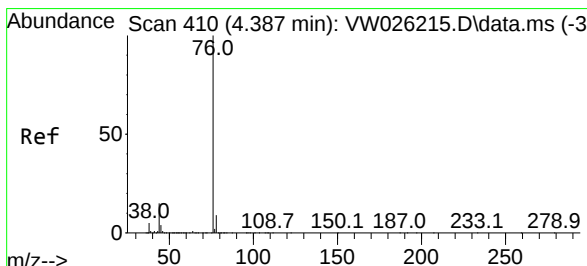
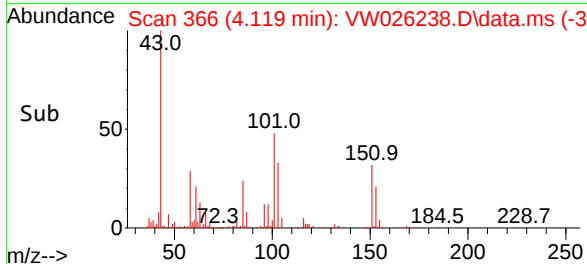
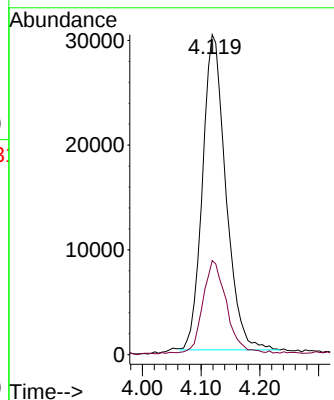
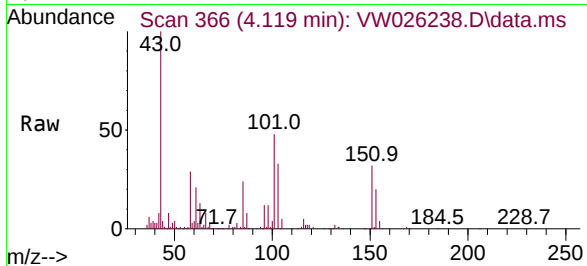




#13
 Acetone
 Concen: 43.297 ug/L
 RT: 4.119 min Scan# 366
 Delta R.T. 0.000 min
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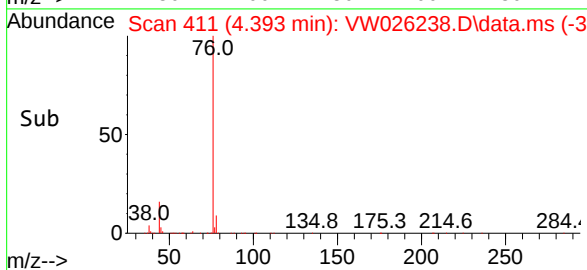
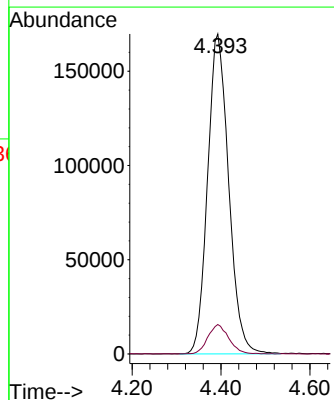
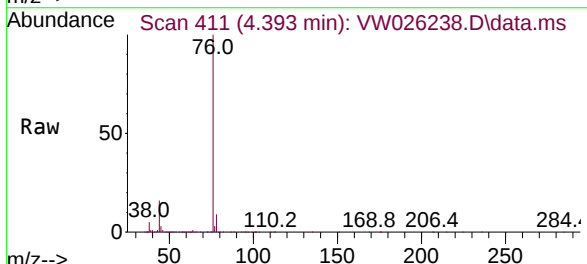
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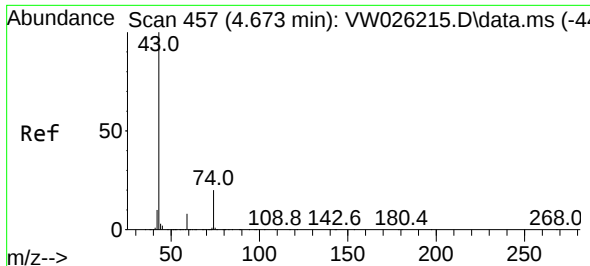
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 Ion Ratio Lower Upper
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 58 28.7 0.0 58.2



#14
 Carbon disulfide
 Concen: 20.533 ug/L
 RT: 4.393 min Scan# 411
 Delta R.T. 0.006 min
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Tgt Ion: 76 Resp: 559352
 Ion Ratio Lower Upper
 76 100
 78 9.2 7.2 10.8

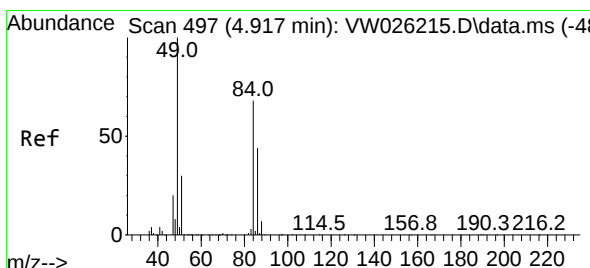
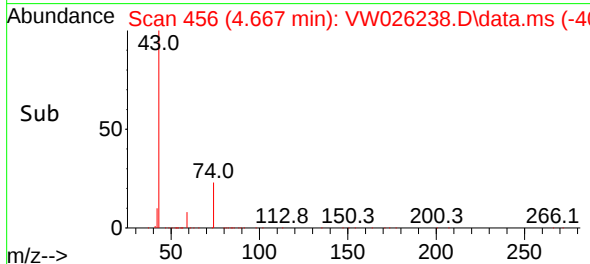
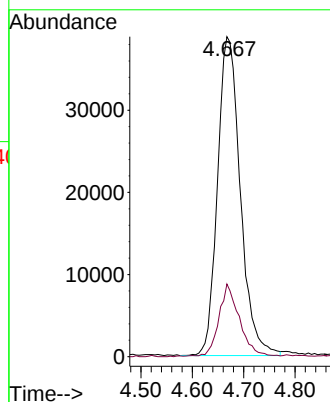
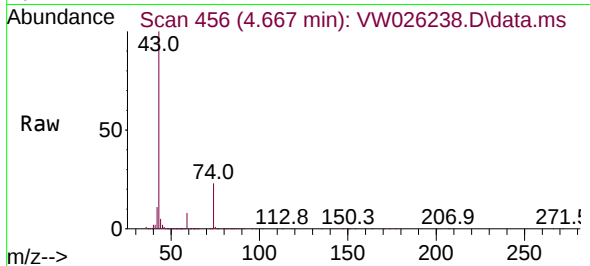




#15
Methyl Acetate
Concen: 27.725 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

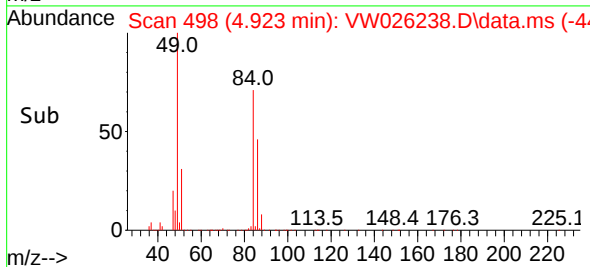
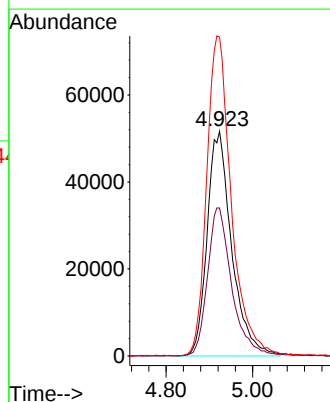
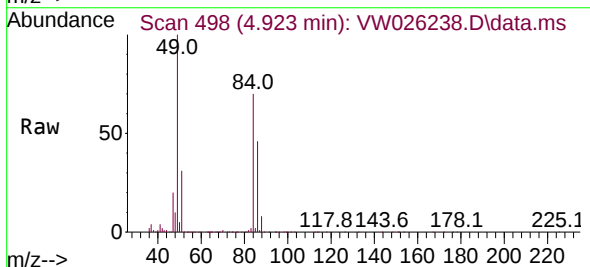
Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

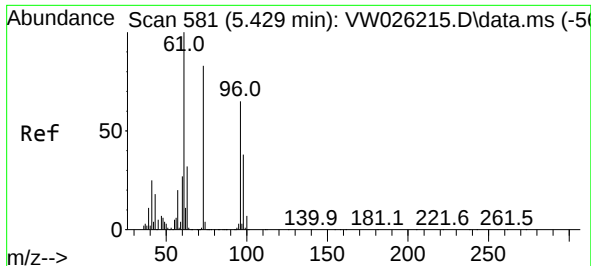
Tgt Ion: 43 Resp: 119518
Ion Ratio Lower Upper
43 100
74 20.0 16.6 25.0



#16
Methylene chloride
Concen: 21.050 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 84 Resp: 203631
Ion Ratio Lower Upper
84 100
86 65.9 44.2 82.0
49 141.9 98.8 183.6

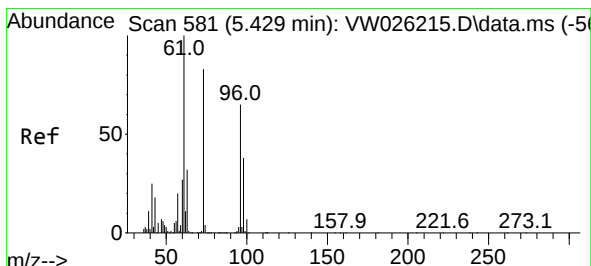
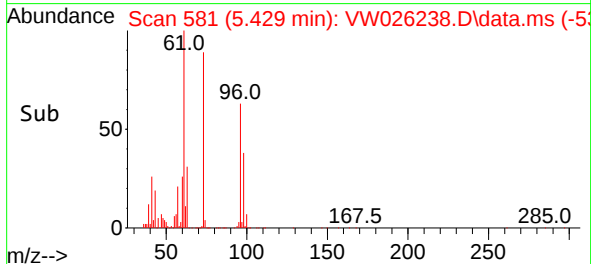
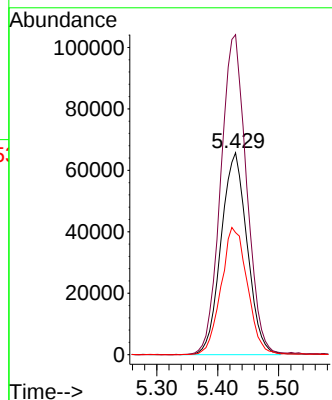
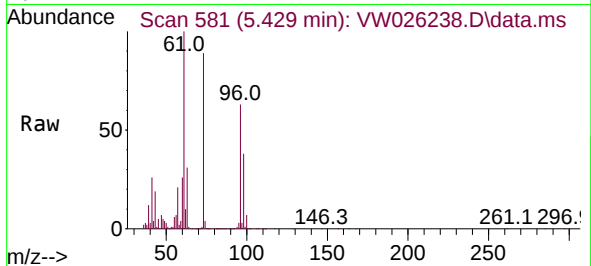




#17
trans-1,2-Dichloroethene
Concen: 22.598 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

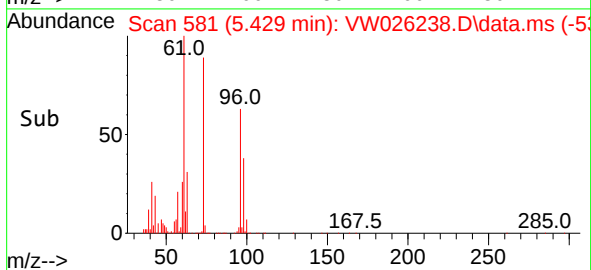
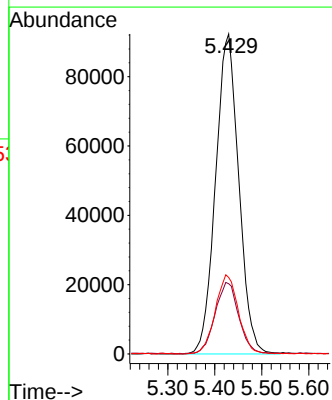
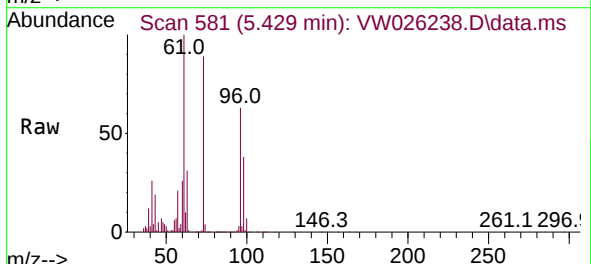
Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

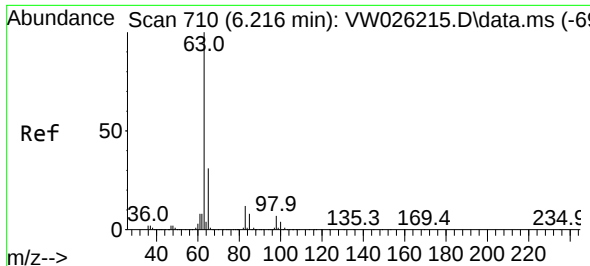
Tgt Ion: 96 Resp: 195659
Ion Ratio Lower Upper
96 100
61 158.4 113.0 209.8
98 60.4 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 23.186 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 73 Resp: 316390
Ion Ratio Lower Upper
73 100
43 22.2 17.8 26.6
57 24.7 18.9 28.3





#19

1,1-Dichloroethane

Concen: 23.987 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

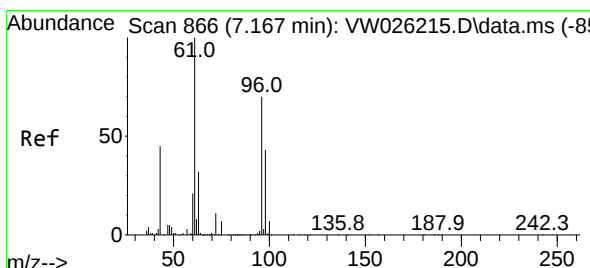
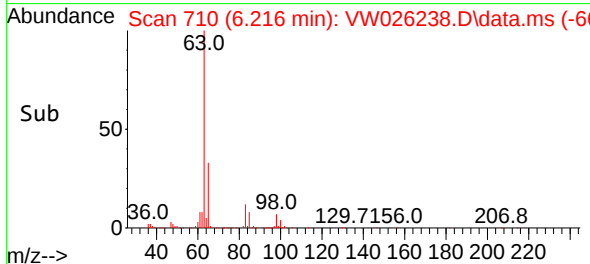
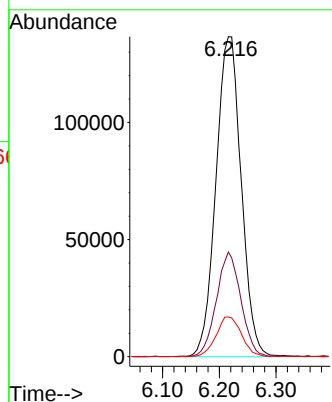
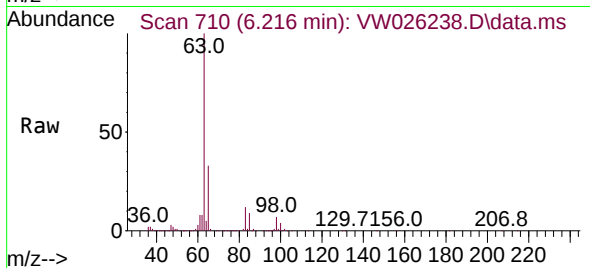
Tgt Ion: 63 Resp: 422804

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

83 12.4 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 24.081 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

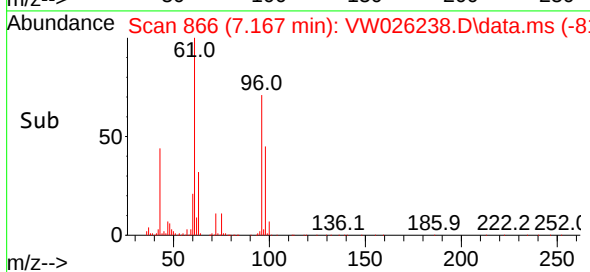
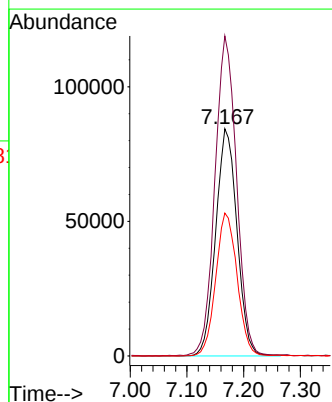
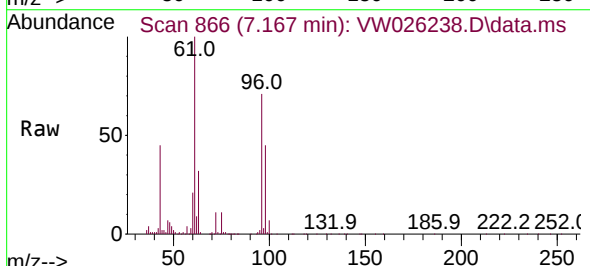
Tgt Ion: 96 Resp: 220848

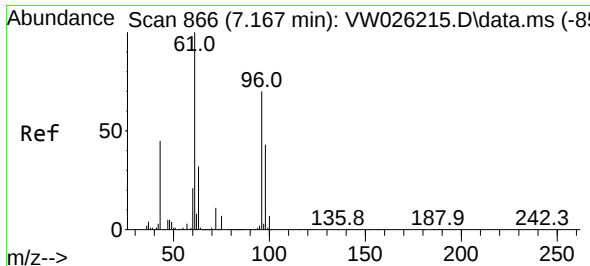
Ion Ratio Lower Upper

96 100

61 140.9 98.4 182.8

98 62.9 45.2 84.0

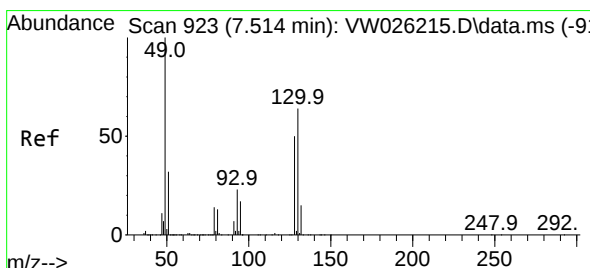
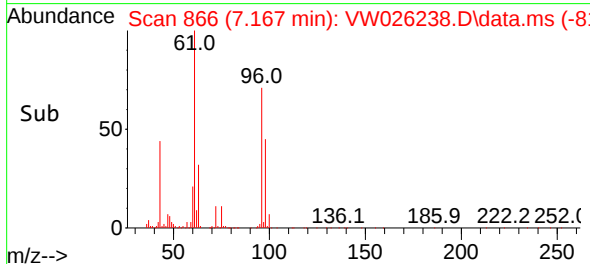
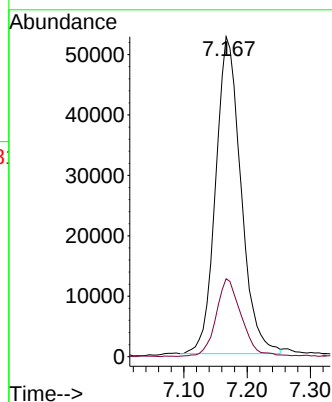
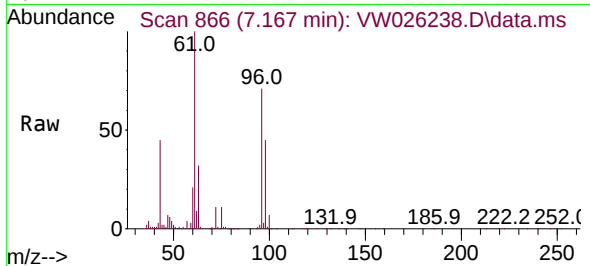




#22
2-Butanone
Concen: 53.179 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

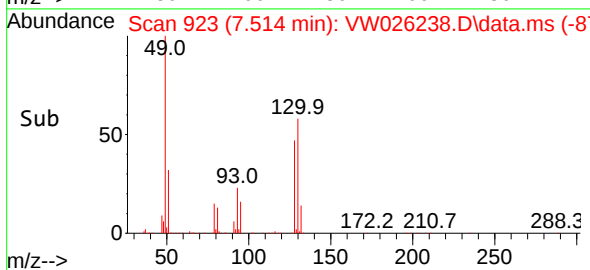
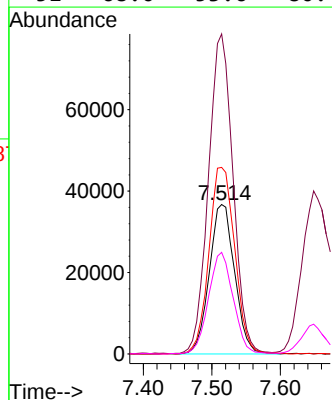
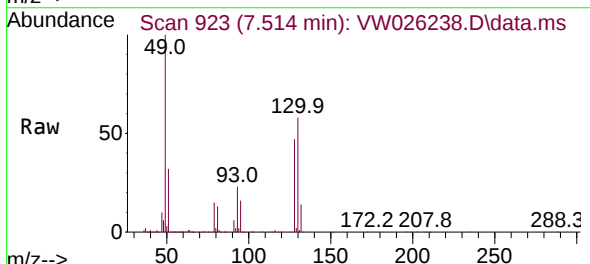
Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

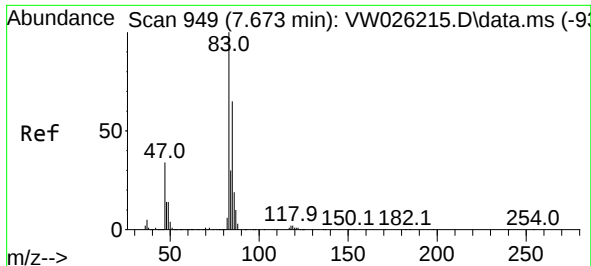
Tgt Ion: 43 Resp: 145707
Ion Ratio Lower Upper
43 100
72 24.3 12.4 37.4



#23
Bromochloromethane
Concen: 24.053 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 128 Resp: 94077
Ion Ratio Lower Upper
128 100
49 214.1 140.6 261.0
130 124.8 86.0 159.6
51 68.0 53.6 80.4

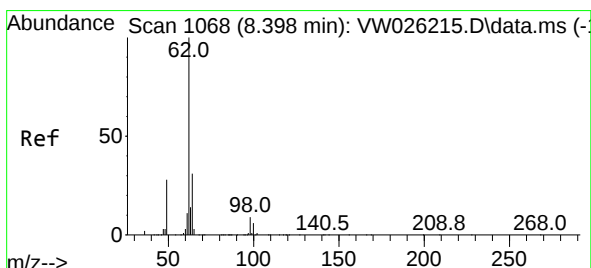
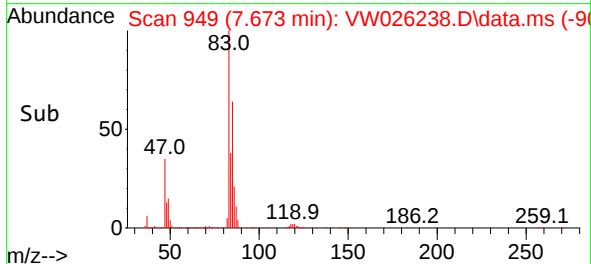
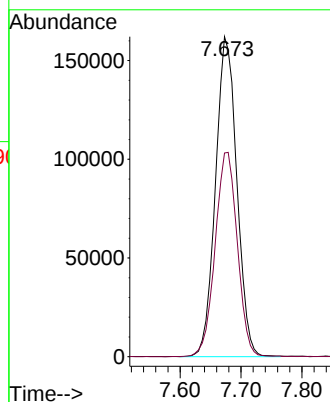
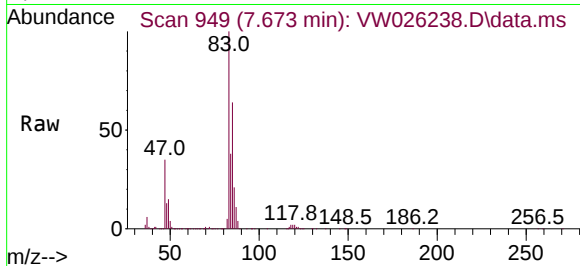




#25
Chloroform
Concen: 24.049 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

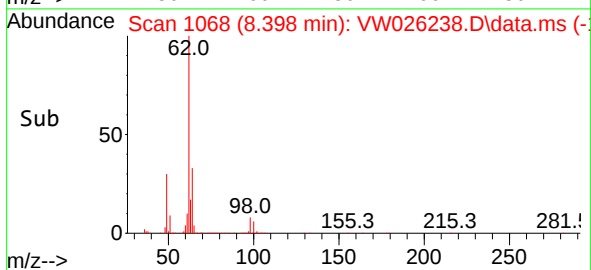
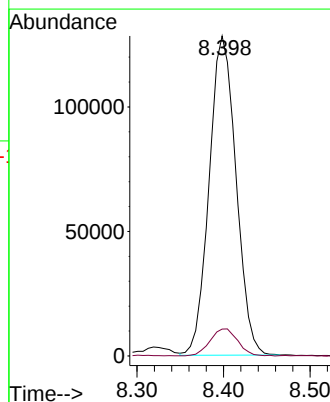
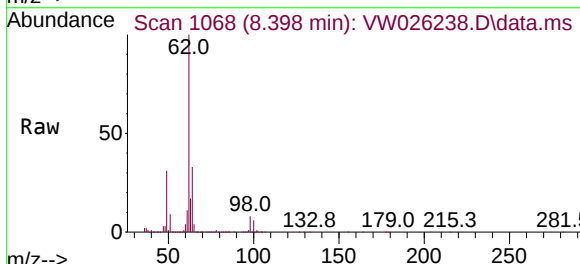
Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

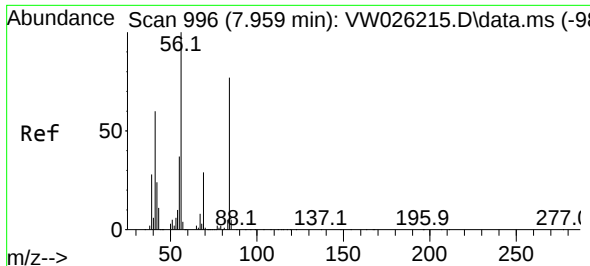
Tgt Ion: 83 Resp: 394825
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 24.404 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 62 Resp: 276323
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.2





#29

Cyclohexane

Concen: 21.387 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

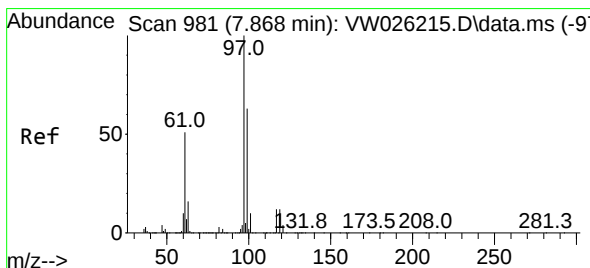
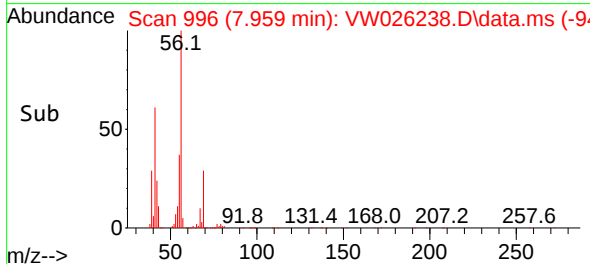
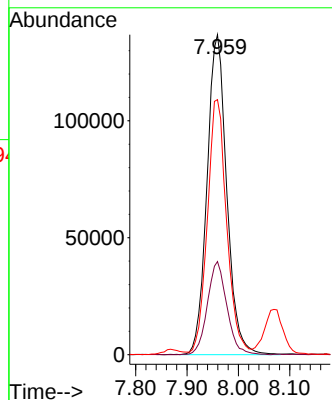
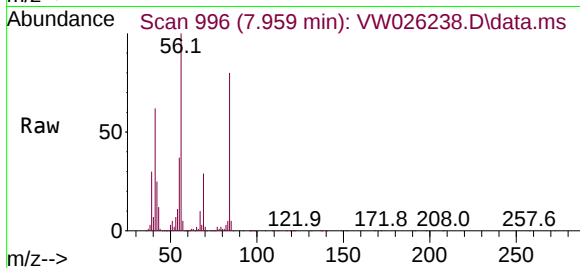
Tgt Ion: 56 Resp: 365332

Ion Ratio Lower Upper

56 100

69 28.7 23.3 34.9

84 78.0 63.0 94.6



#30

1,1,1-Trichloroethane

Concen: 22.610 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

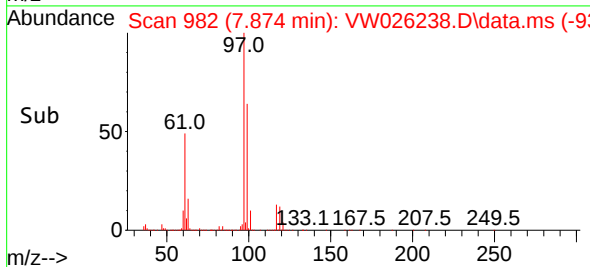
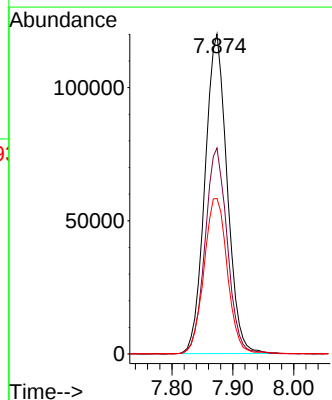
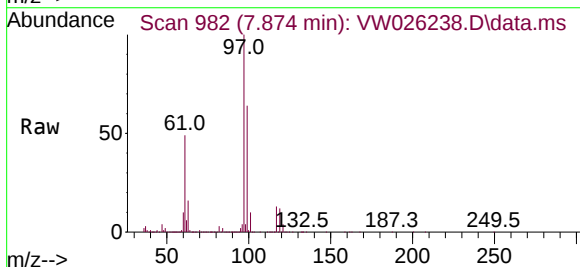
Tgt Ion: 97 Resp: 303597

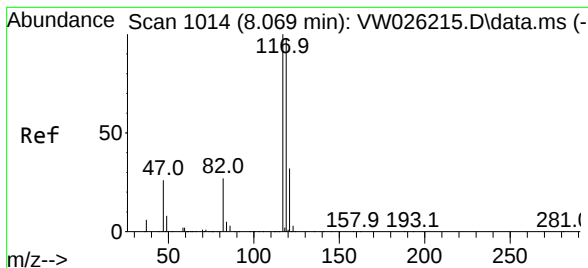
Ion Ratio Lower Upper

97 100

99 64.7 50.6 76.0

61 51.3 40.5 60.7





#31

Carbon tetrachloride

Concen: 22.052 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

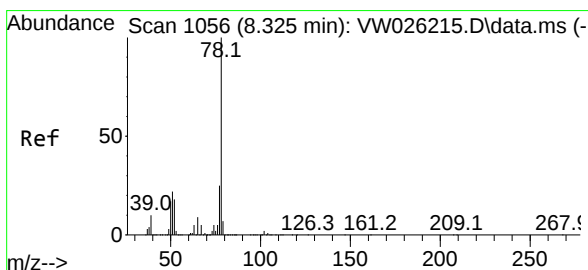
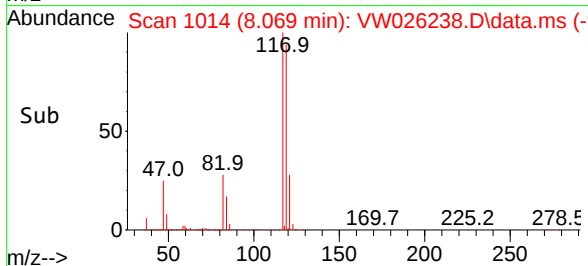
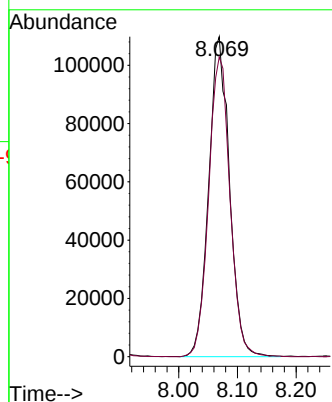
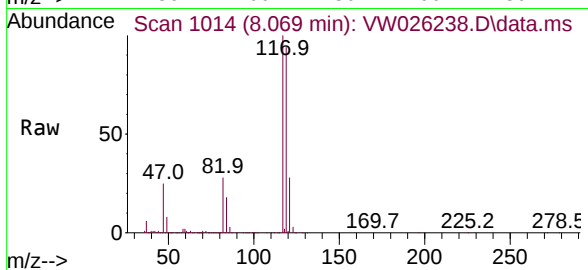
VSTD025522

Tgt Ion:117 Resp: 270196

Ion Ratio Lower Upper

117 100

119 96.0 77.4 116.2



#33

Benzene

Concen: 23.335 ug/L

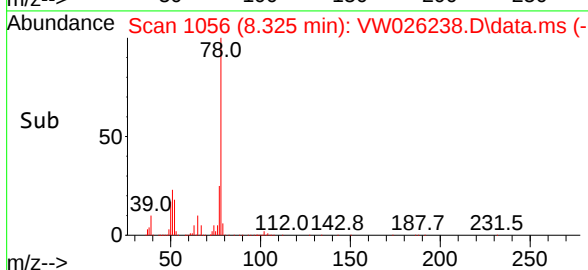
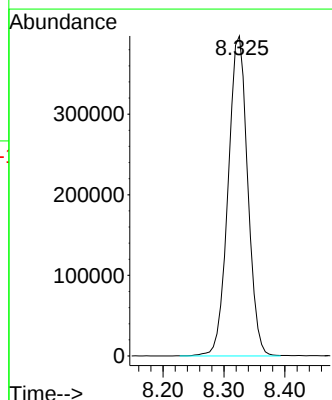
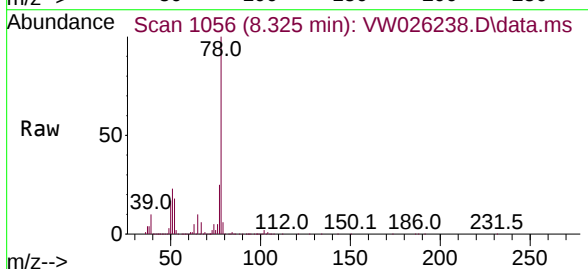
RT: 8.325 min Scan# 1056

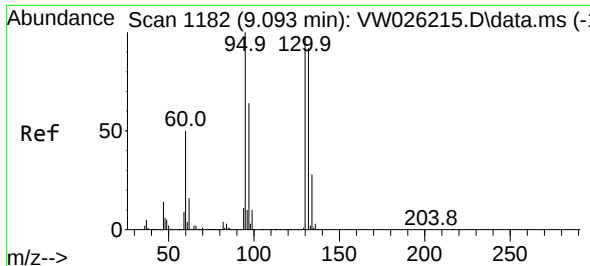
Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Tgt Ion: 78 Resp: 884481

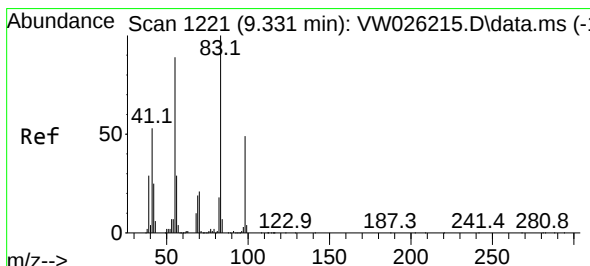
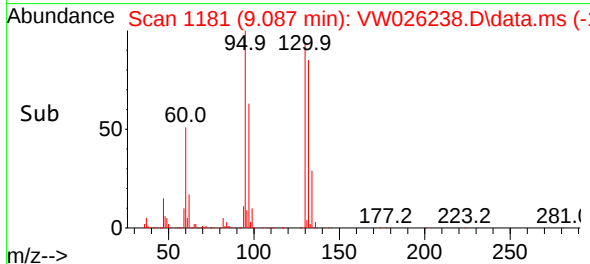
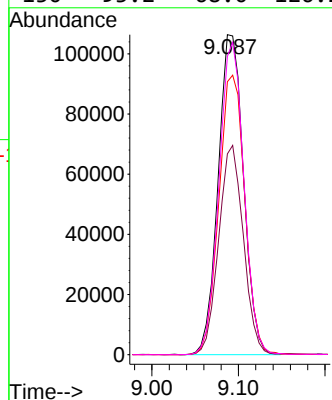
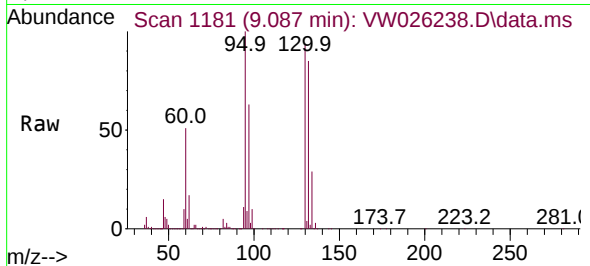




#34
Trichloroethene
Concen: 22.343 ug/L
RT: 9.087 min Scan# 1182
Delta R.T. -0.006 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

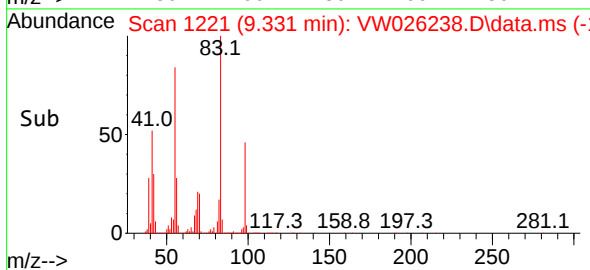
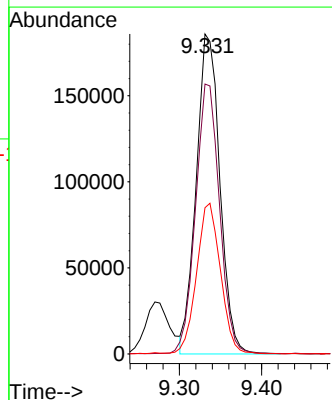
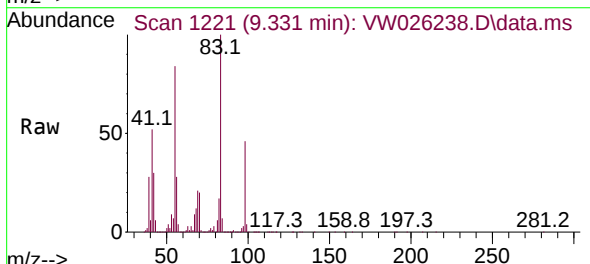
Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

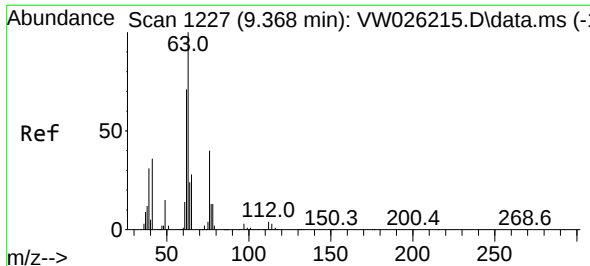
Tgt Ion: 95 Resp: 216855
Ion Ratio Lower Upper
95 100
97 62.7 45.9 85.3
132 85.3 67.1 124.7
130 93.2 68.0 126.2



#35
Methylcyclohexane
Concen: 21.651 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 83 Resp: 371828
Ion Ratio Lower Upper
83 100
55 85.7 68.2 102.4
98 47.6 38.1 57.1





#37

1,2-Dichloropropane

Concen: 23.609 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

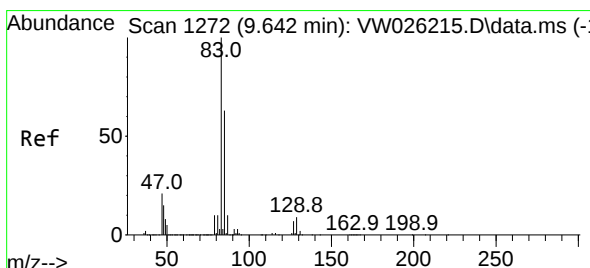
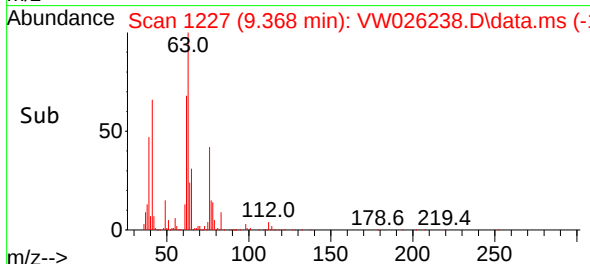
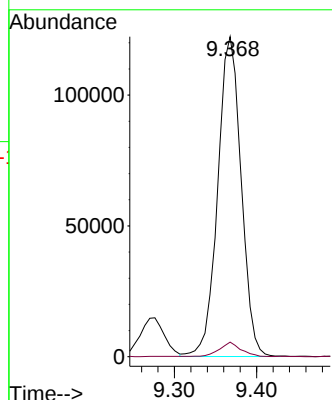
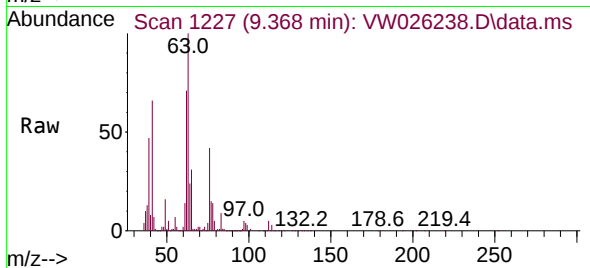
VSTD025522

Tgt Ion: 63 Resp: 242378

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 23.101 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

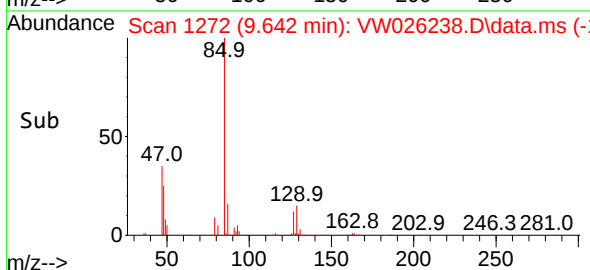
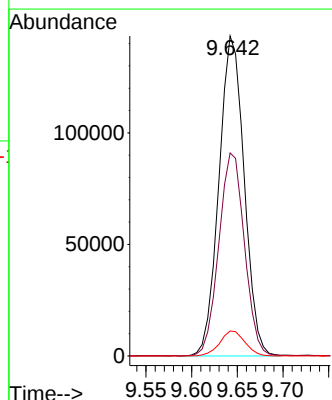
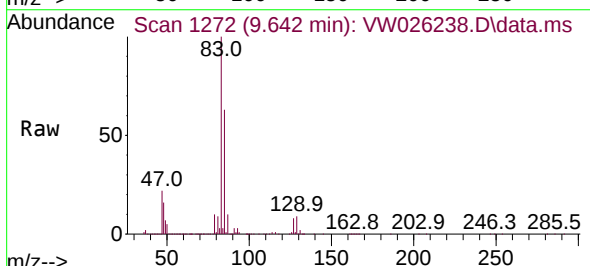
Tgt Ion: 83 Resp: 275533

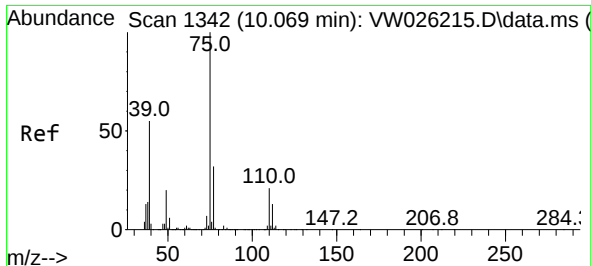
Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.0

127 7.8 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 22.313 ug/L

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

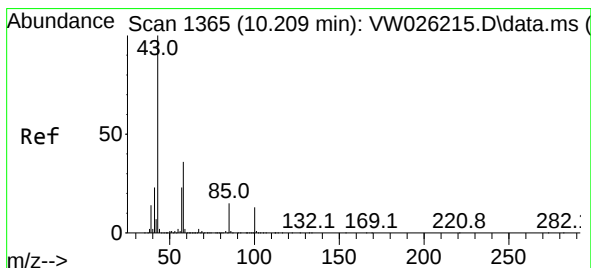
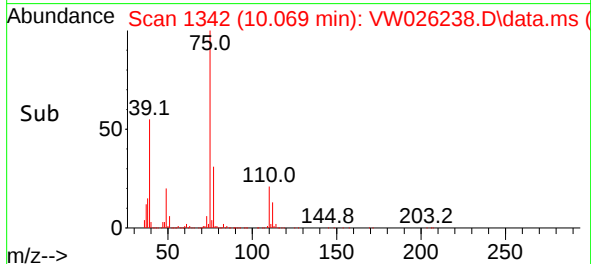
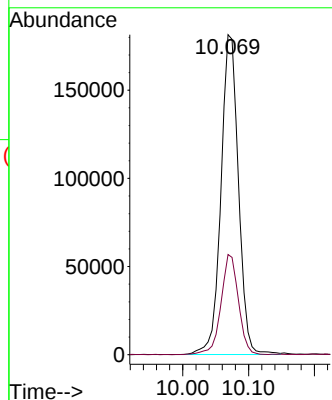
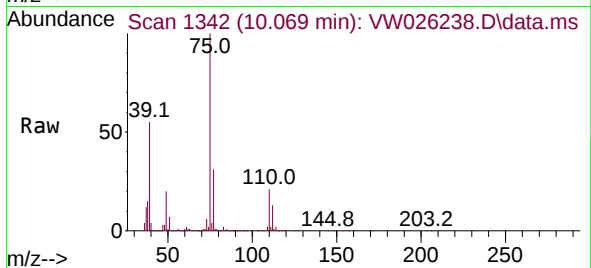
VSTD025522

Tgt Ion: 75 Resp: 336633

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 54.212 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

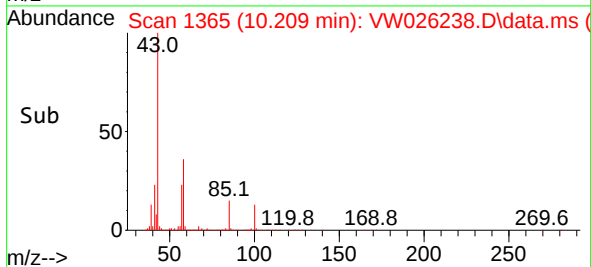
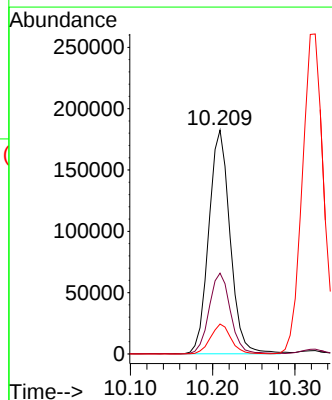
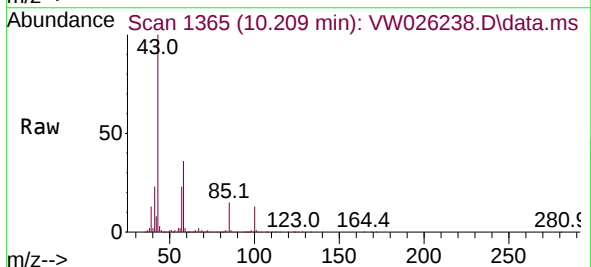
Tgt Ion: 43 Resp: 328128

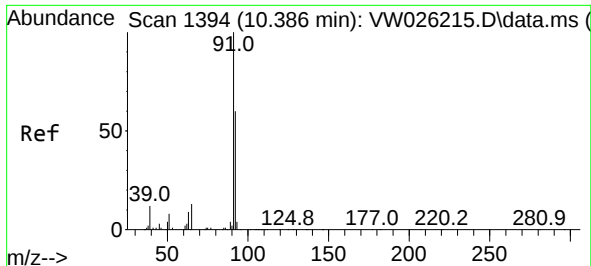
Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.4

100 12.9 10.5 15.7

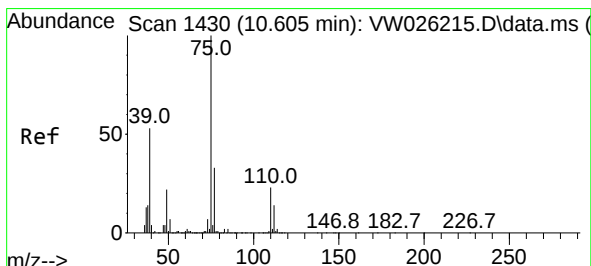
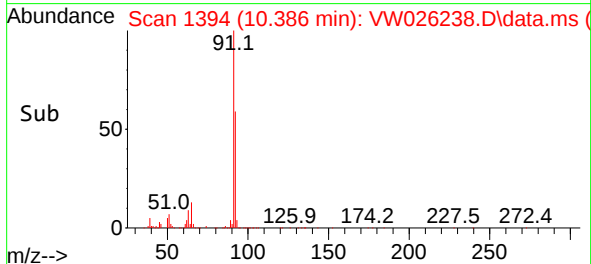
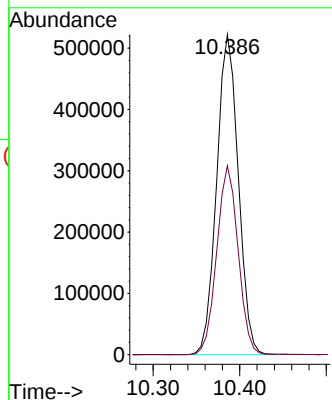
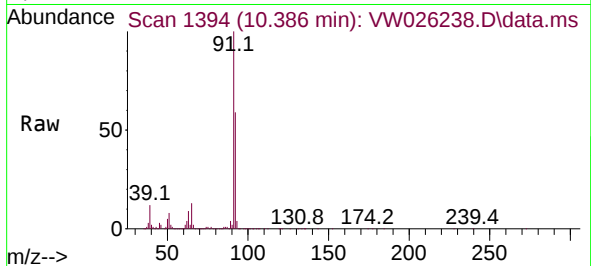




#42
Toluene
Concen: 23.352 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

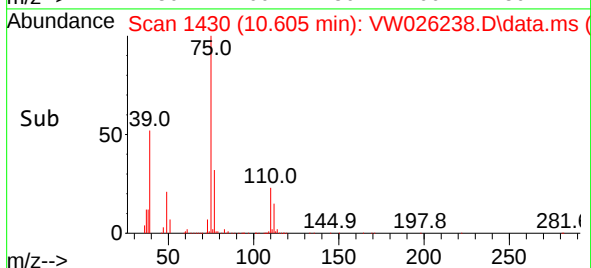
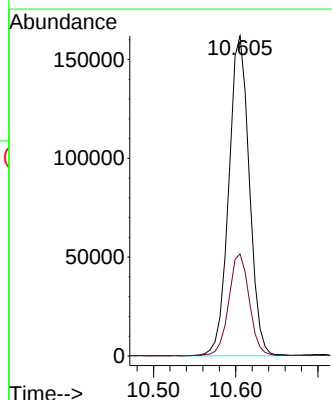
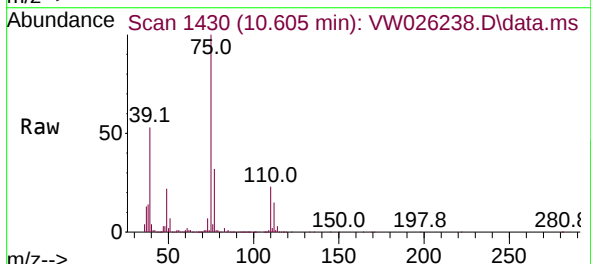
Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

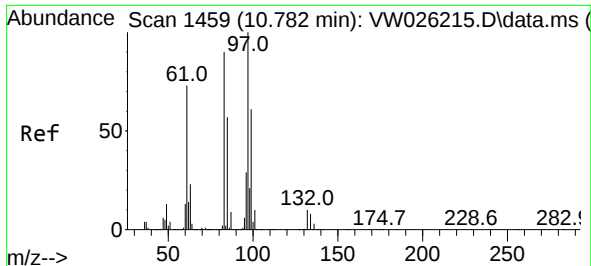
Tgt Ion: 91 Resp: 905294
Ion Ratio Lower Upper
91 100
92 59.1 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 22.343 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 75 Resp: 280828
Ion Ratio Lower Upper
75 100
77 31.9 21.1 39.3



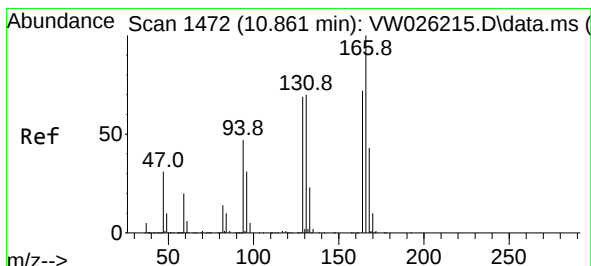
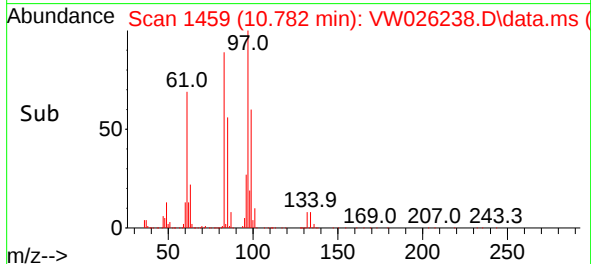
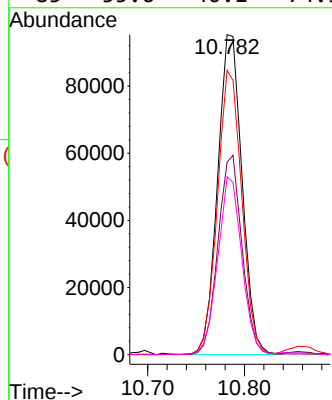
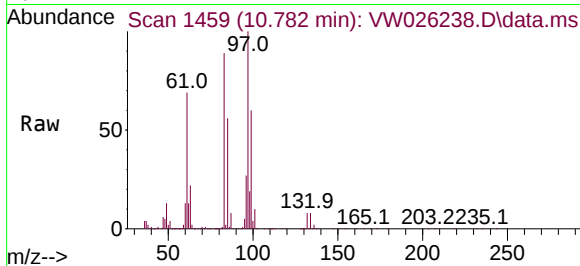


#45
1,1,2-Trichloroethane
Concen: 24.736 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

Tgt Ion: 97 Resp: 167368

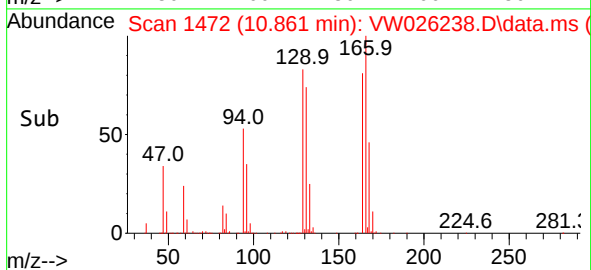
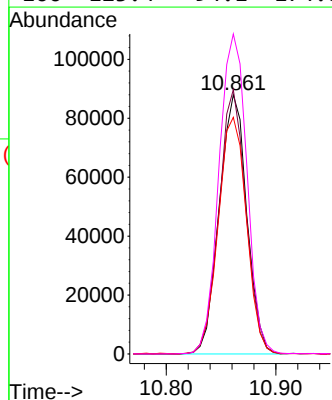
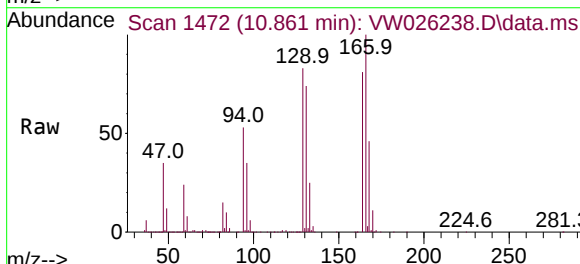
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.3	80.5
83	88.9	62.9	116.9
85	55.6	40.1	74.5

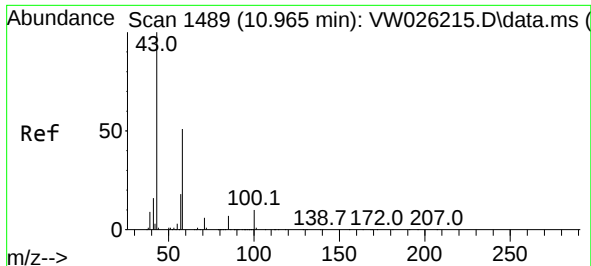


#46
Tetrachloroethene
Concen: 22.384 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 164 Resp: 153661

Ion	Ratio	Lower	Upper
164	100		
129	102.0	68.5	127.1
131	91.3	67.1	124.7
166	123.4	94.1	174.8



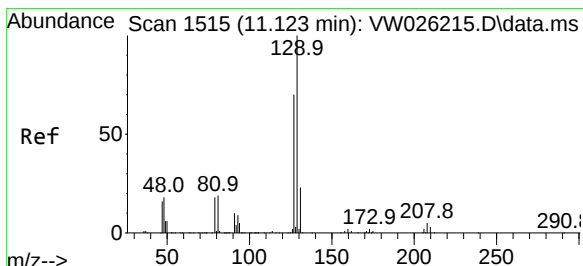
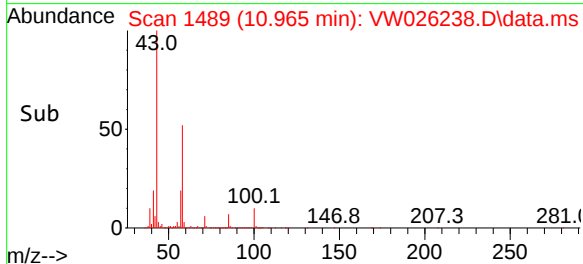
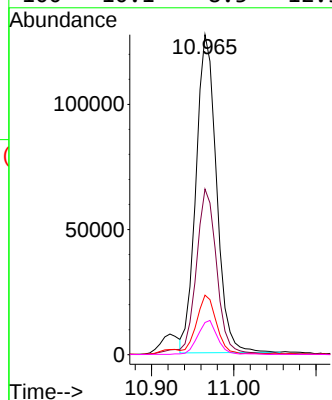
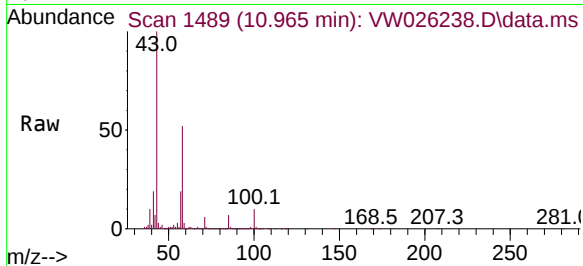


#48
2-Hexanone
Concen: 51.672 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

Tgt Ion: 43 Resp: 220520

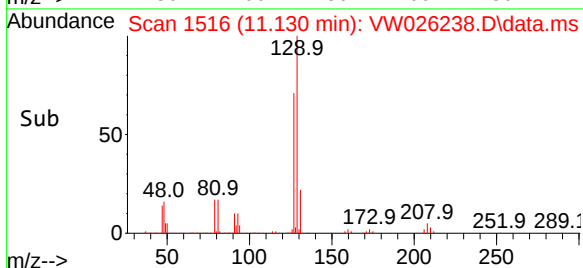
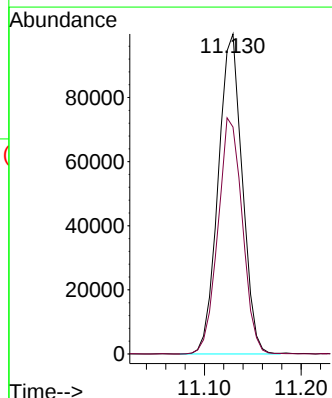
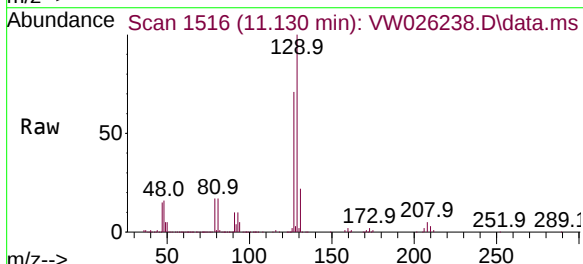
Ion	Ratio	Lower	Upper
43	100		
58	50.3	42.2	63.2
57	17.5	14.2	21.2
100	10.1	8.3	12.5

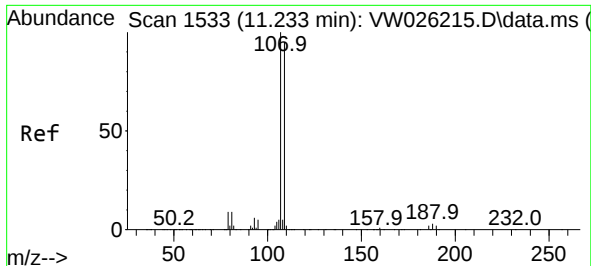


#49
Dibromochloromethane
Concen: 24.257 ug/L
RT: 11.130 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 129 Resp: 172075

Ion	Ratio	Lower	Upper
129	100		
127	70.9	56.9	105.7





#50

1,2-Dibromoethane

Concen: 23.854 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

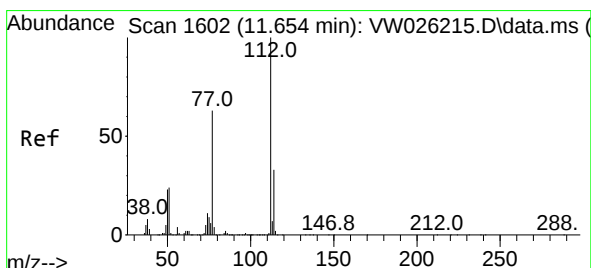
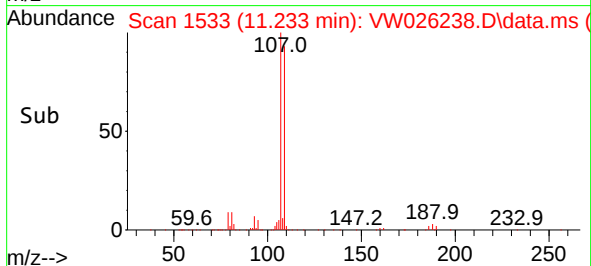
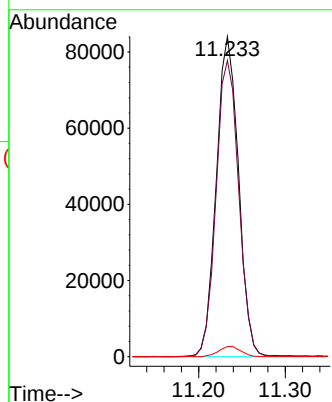
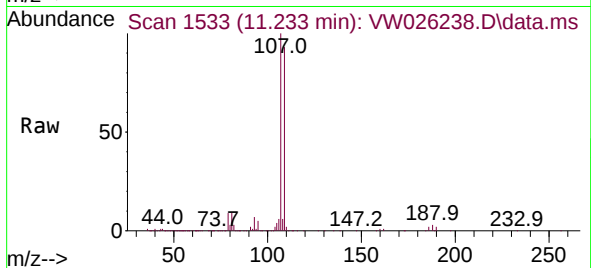
Tgt Ion:107 Resp: 149442

Ion Ratio Lower Upper

107 100

109 92.5 64.0 119.0

188 3.2 2.6 3.8



#51

Chlorobenzene

Concen: 23.011 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

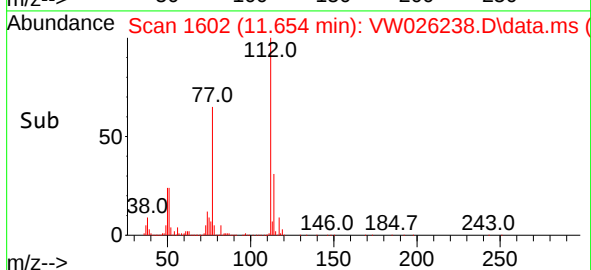
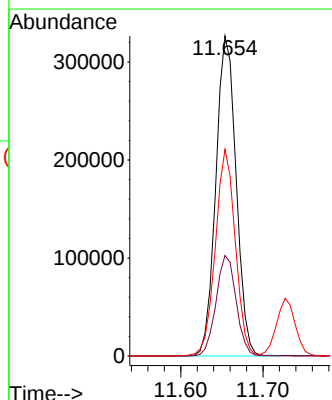
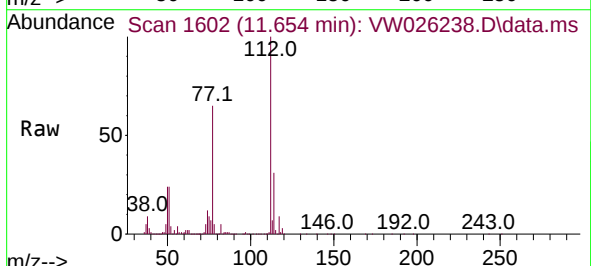
Tgt Ion:112 Resp: 559016

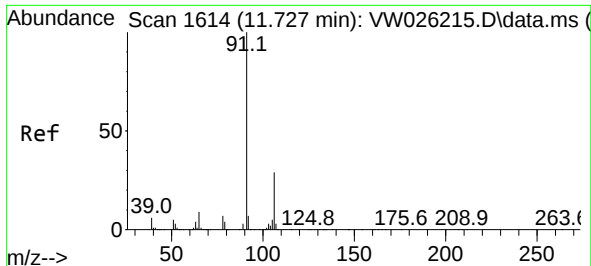
Ion Ratio Lower Upper

112 100

114 31.4 23.0 42.6

77 64.6 50.9 76.3

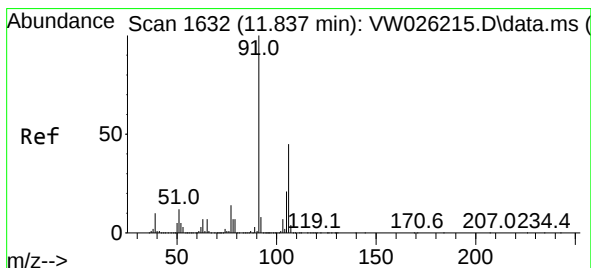
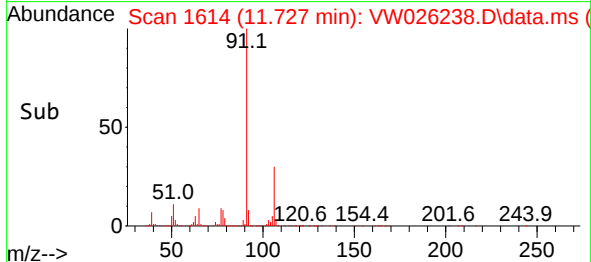
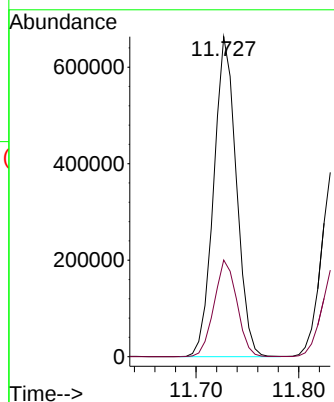
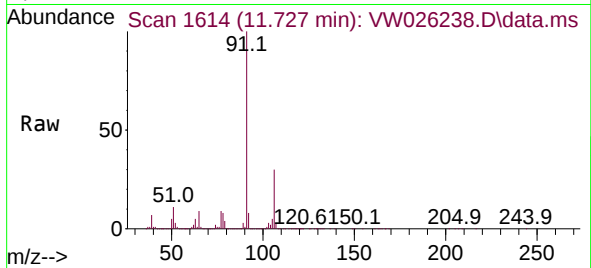




#52
Ethylbenzene
Concen: 23.205 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

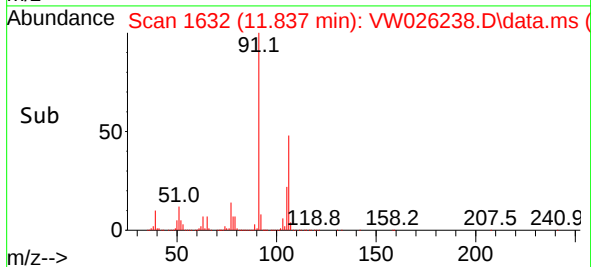
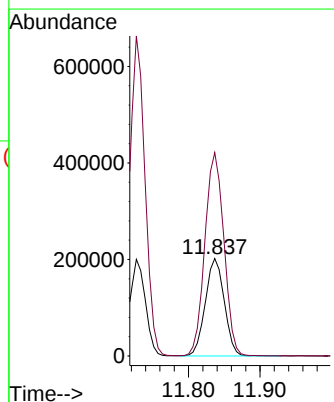
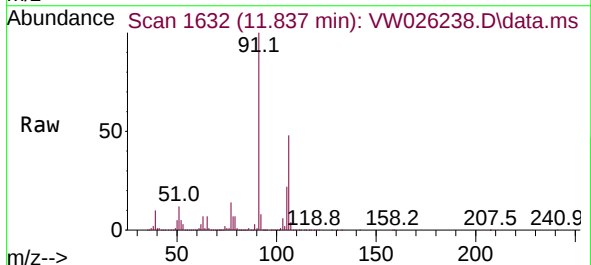
Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

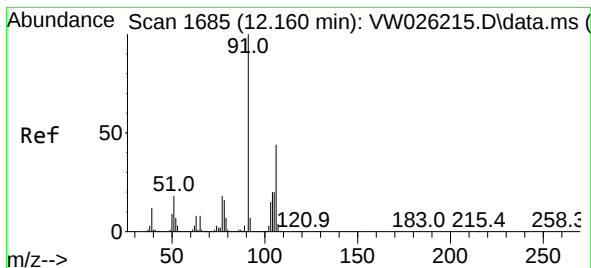
Tgt Ion: 91 Resp: 1014832
Ion Ratio Lower Upper
91 100
106 30.2 21.2 39.4



#53
m,p-Xylene
Concen: 22.855 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion: 106 Resp: 371832
Ion Ratio Lower Upper
106 100
91 208.7 149.5 277.7





#54

o-Xylene

Concen: 23.144 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

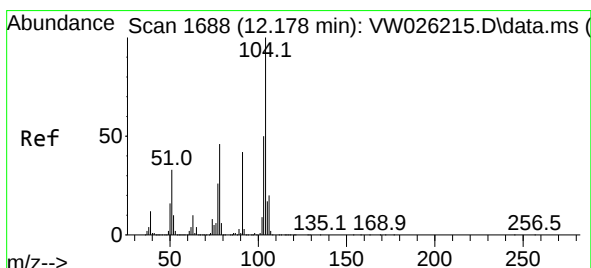
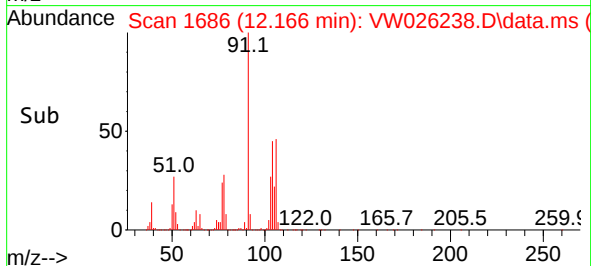
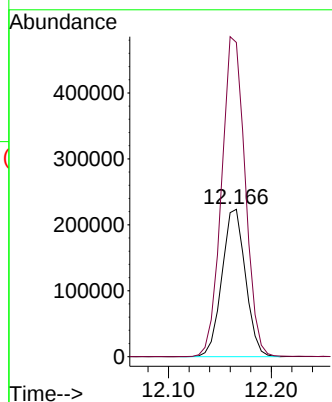
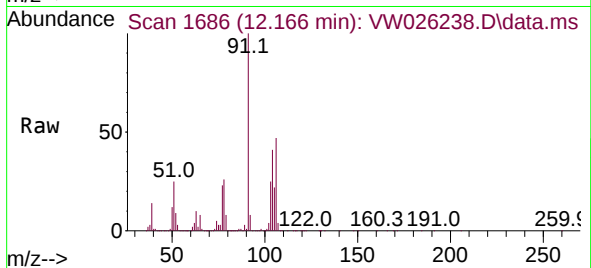
VSTD025522

Tgt Ion:106 Resp: 355384

Ion Ratio Lower Upper

106 100

91 213.1 150.9 280.3



#55

Styrene

Concen: 23.369 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW026238.D

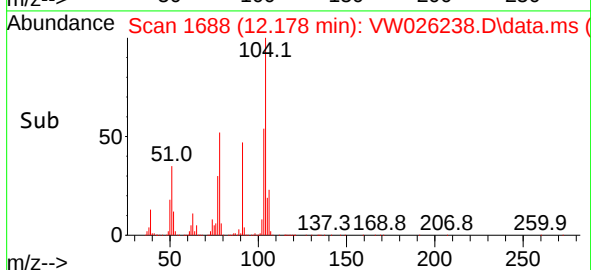
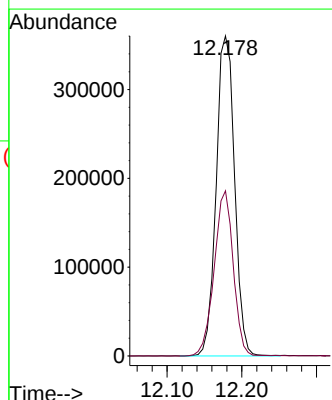
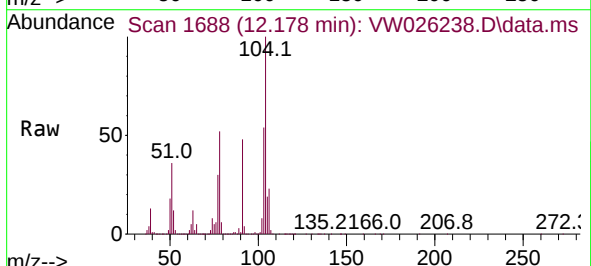
Acq: 16 Jun 2023 19:17

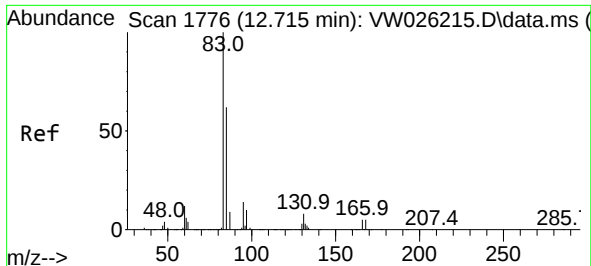
Tgt Ion:104 Resp: 615633

Ion Ratio Lower Upper

104 100

78 51.6 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 25.432 ug/L

RT: 12.715 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

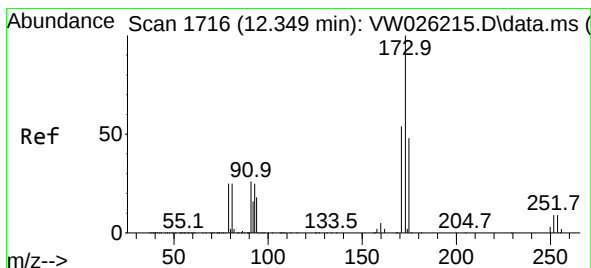
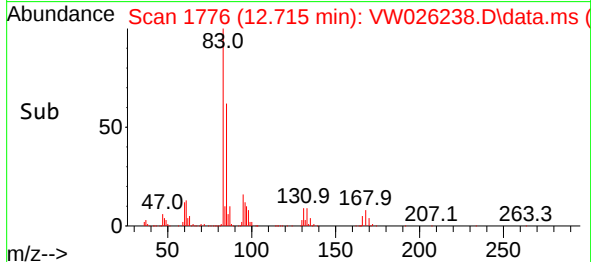
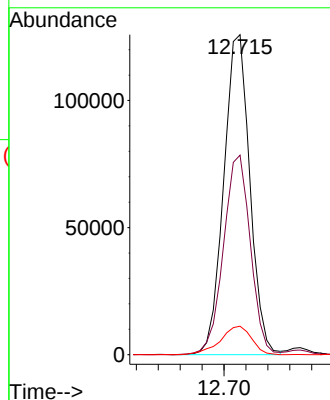
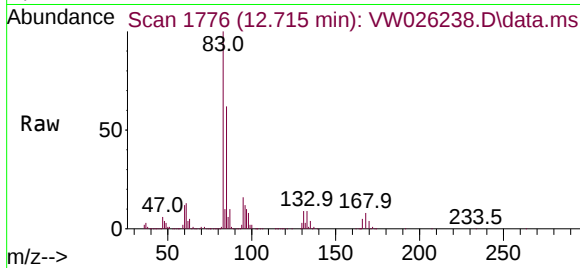
Tgt Ion: 83 Resp: 208250

Ion Ratio Lower Upper

83 100

85 62.3 42.6 79.0

131 8.9 7.2 10.8



#59

Bromoform

Concen: 22.833 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

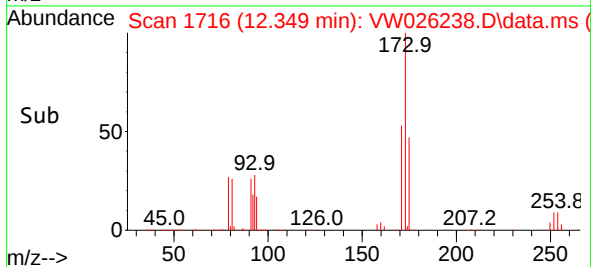
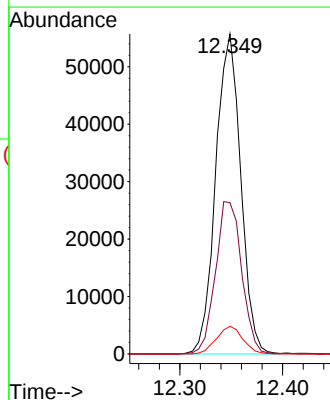
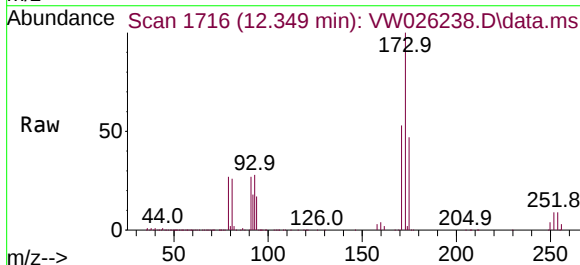
Tgt Ion: 173 Resp: 94156

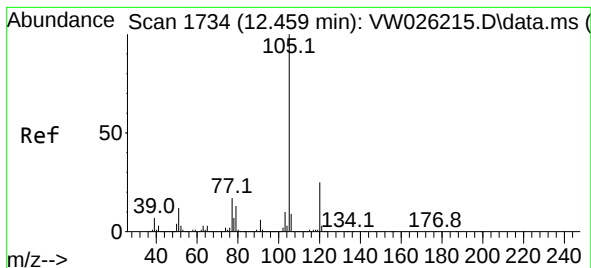
Ion Ratio Lower Upper

173 100

175 49.9 38.6 57.8

254 9.1 7.4 11.0





#60

Isopropylbenzene

Concen: 22.343 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

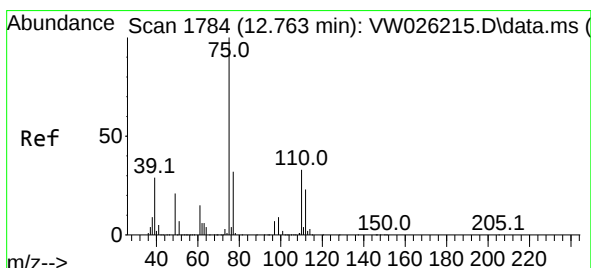
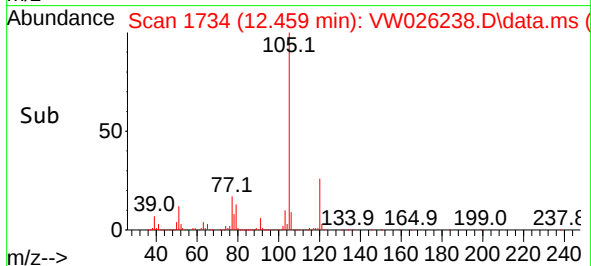
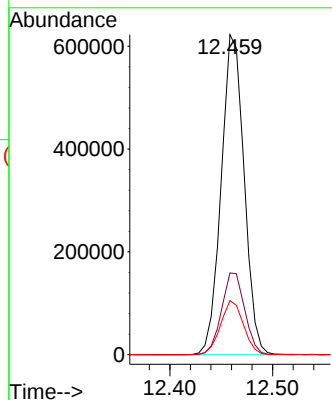
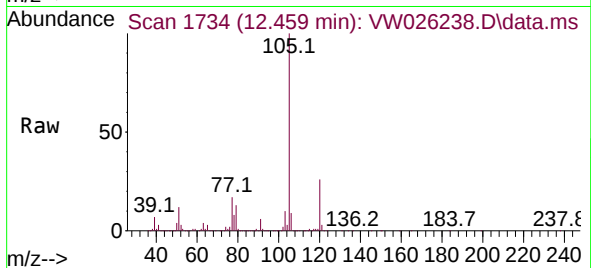
Tgt Ion:105 Resp: 963636

Ion Ratio Lower Upper

105 100

120 25.9 19.8 29.8

77 16.8 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 24.756 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

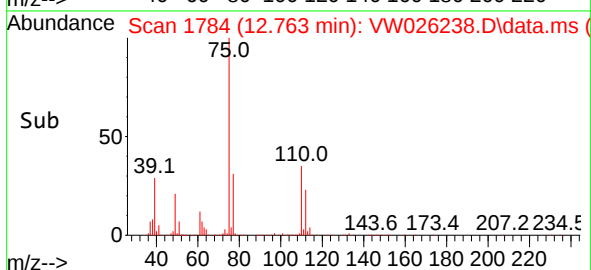
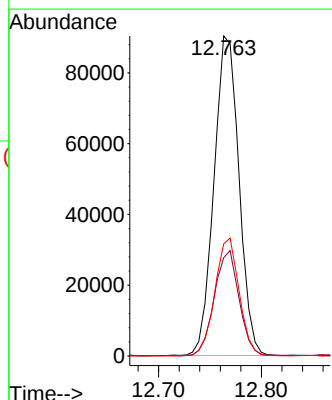
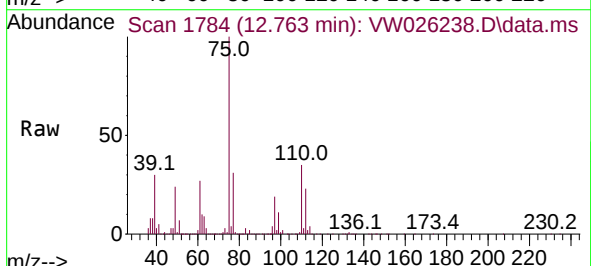
Tgt Ion: 75 Resp: 152247

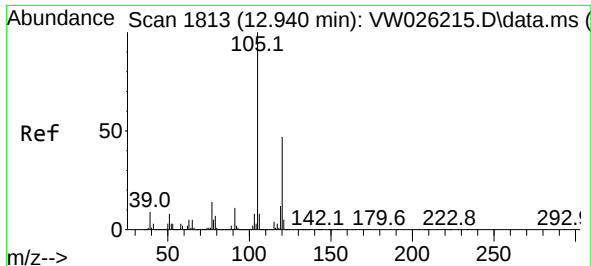
Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

110 35.9 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 22.674 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

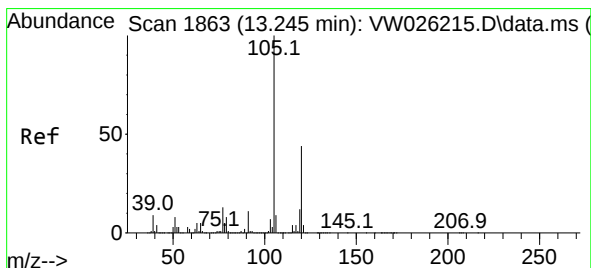
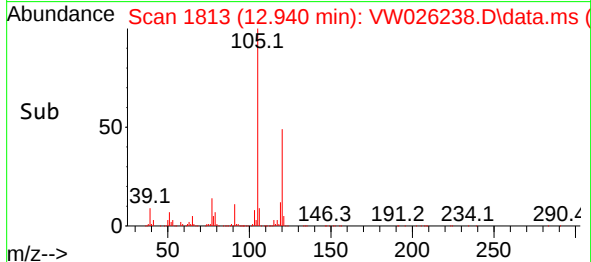
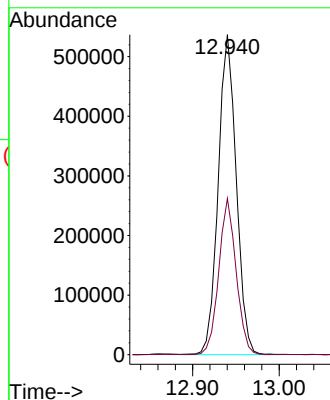
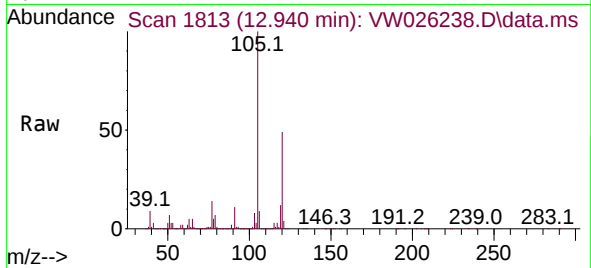
VSTD025522

Tgt Ion:105 Resp: 777389

Ion Ratio Lower Upper

105 100

120 47.0 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 22.431 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026238.D

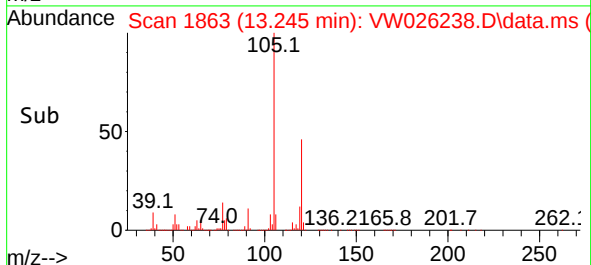
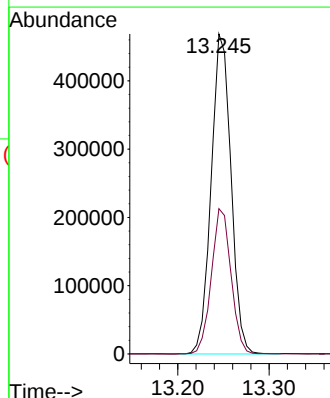
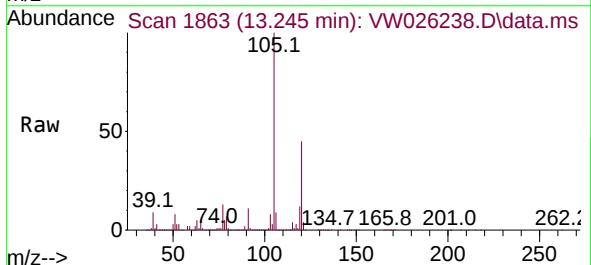
Acq: 16 Jun 2023 19:17

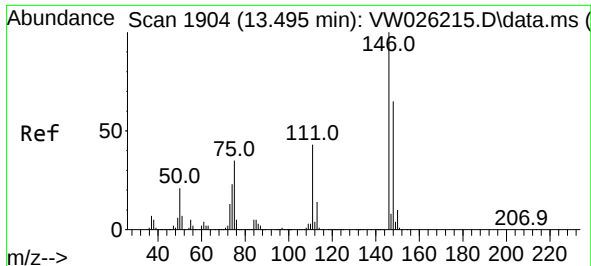
Tgt Ion:105 Resp: 704379

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.2

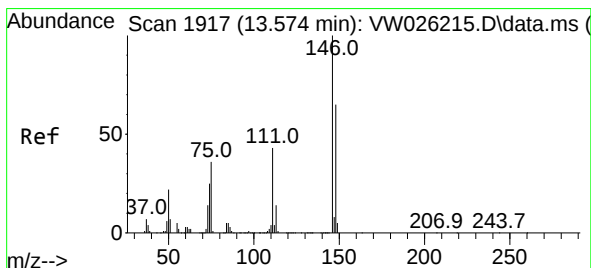
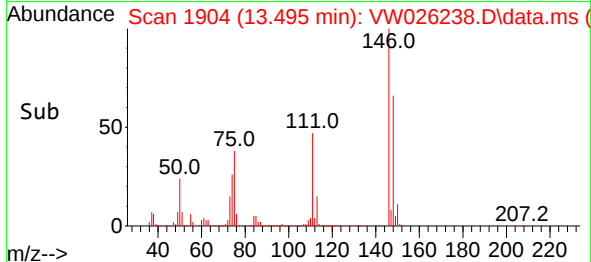
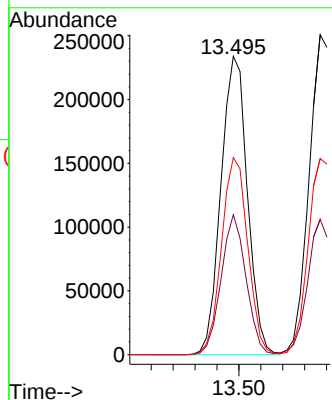
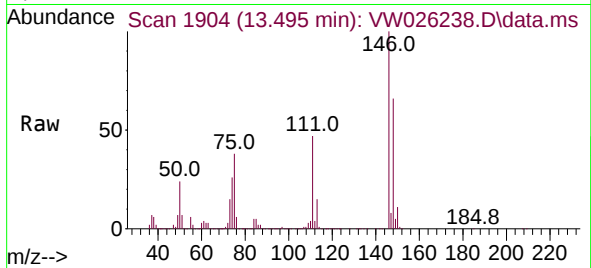




#64
1,3-Dichlorobenzene
Concen: 21.626 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

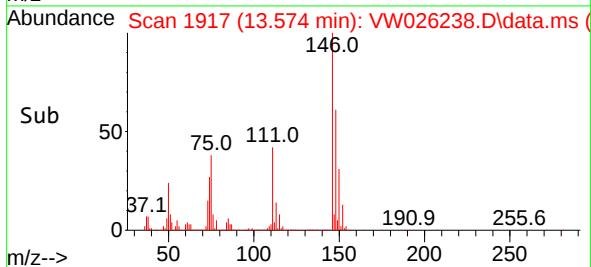
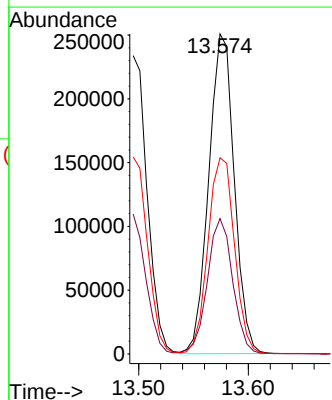
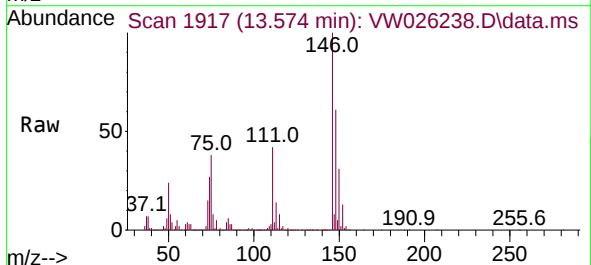
Instrument :
MSVOA_W
ClientSampleId :
VSTD025522

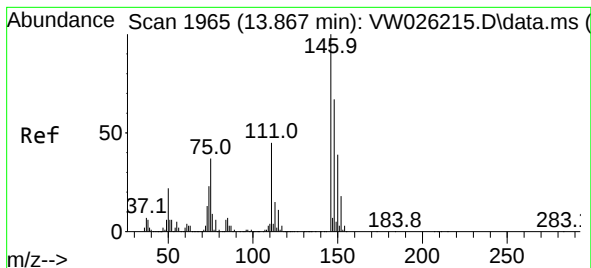
Tgt Ion:146 Resp: 392168
Ion Ratio Lower Upper
146 100
111 46.9 29.7 55.1
148 66.0 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 22.231 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026238.D
Acq: 16 Jun 2023 19:17

Tgt Ion:146 Resp: 405888
Ion Ratio Lower Upper
146 100
111 42.3 29.2 54.2
148 61.3 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 22.069 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

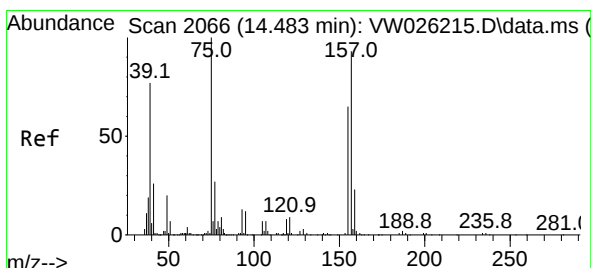
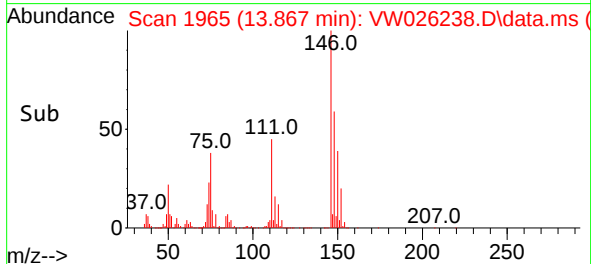
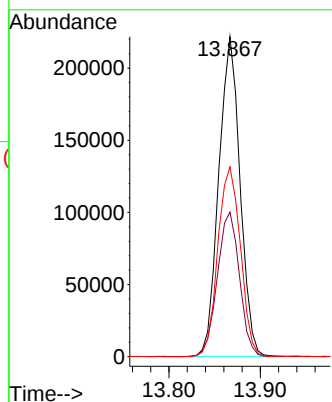
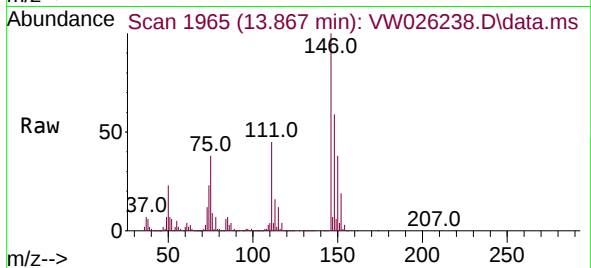
Tgt Ion:146 Resp: 359381

Ion Ratio Lower Upper

146 100

111 45.2 35.4 53.0

148 59.3 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 23.959 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

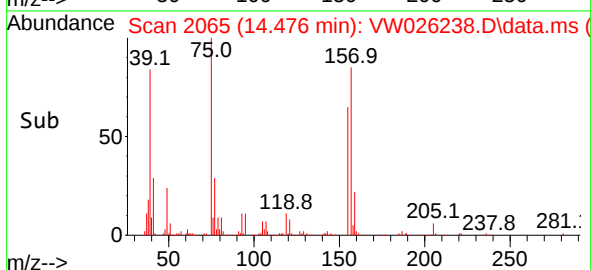
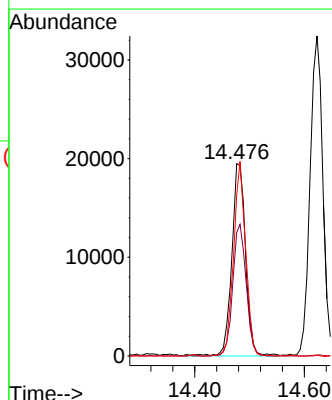
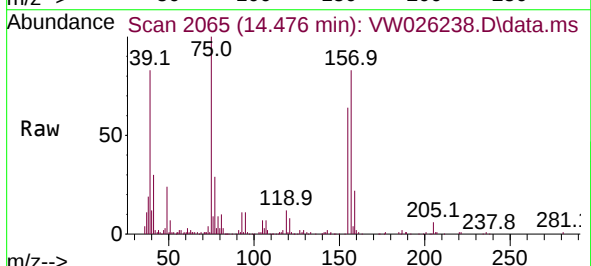
Tgt Ion: 75 Resp: 34138

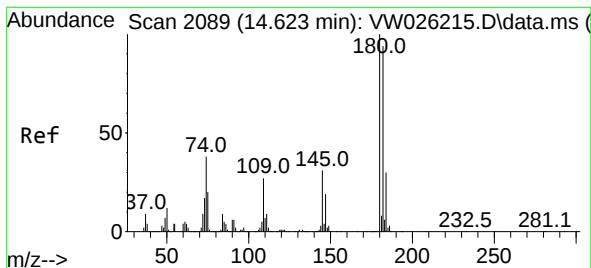
Ion Ratio Lower Upper

75 100

155 64.0 59.0 88.6

157 83.4 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 19.867 ug/L

RT: 14.629 min Scan# 2089

Delta R.T. 0.006 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

Tgt Ion:180 Resp: 247488

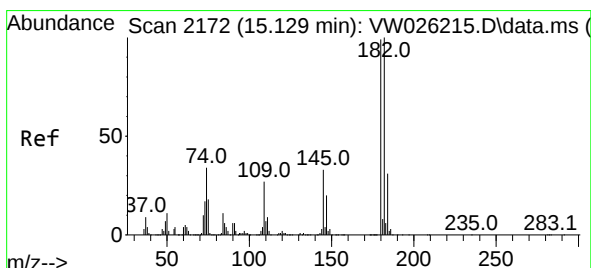
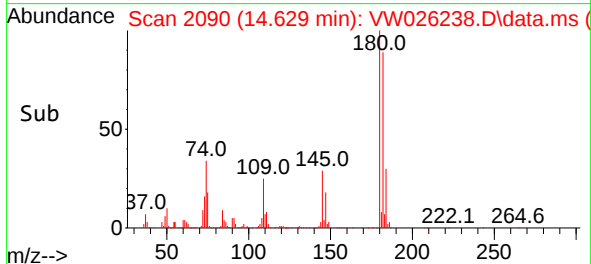
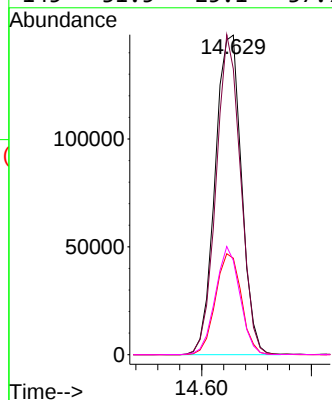
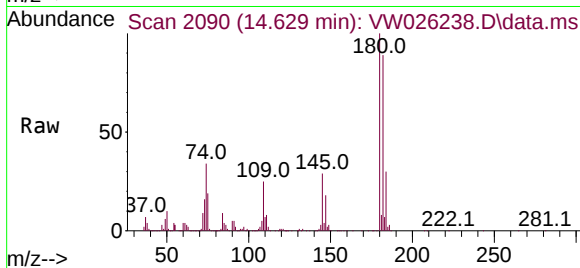
Ion Ratio Lower Upper

180 100

182 93.0 77.0 115.4

184 31.0 23.7 35.5

145 31.5 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 19.239 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

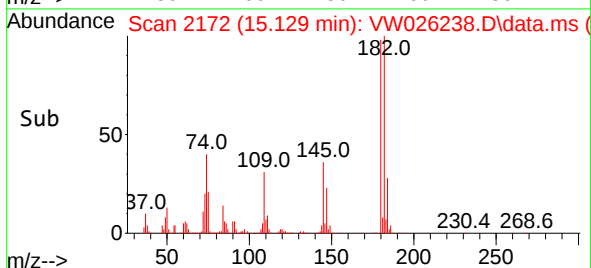
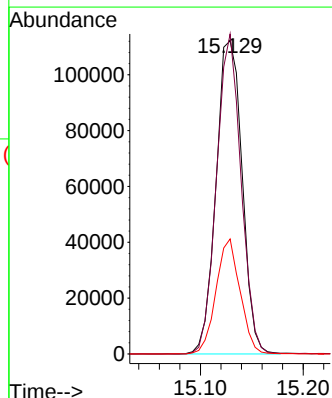
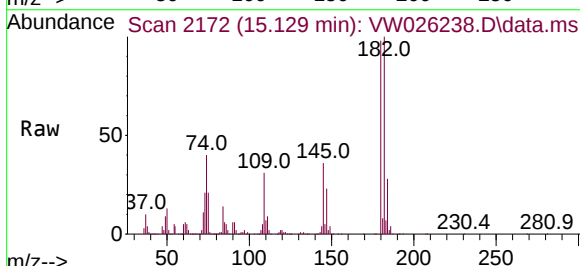
Tgt Ion:180 Resp: 197752

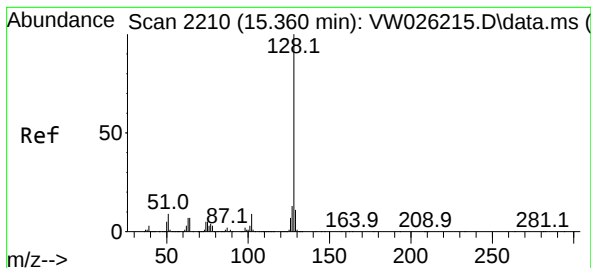
Ion Ratio Lower Upper

180 100

182 95.8 78.9 118.3

145 33.9 27.2 40.8





#71

Naphthalene

Concen: 22.528 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Instrument :

MSVOA_W

ClientSampleId :

VSTD025522

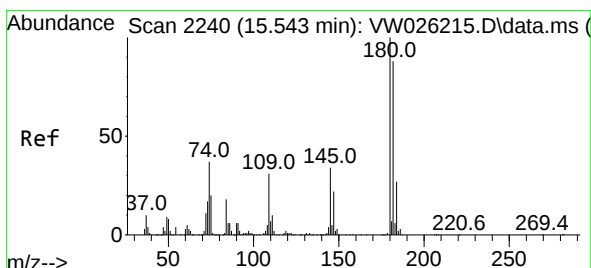
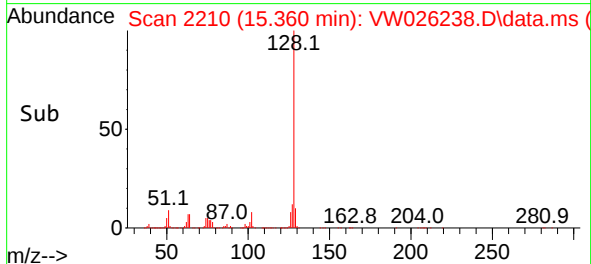
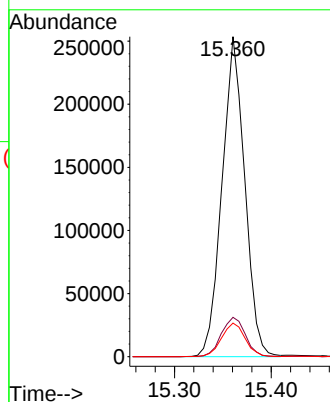
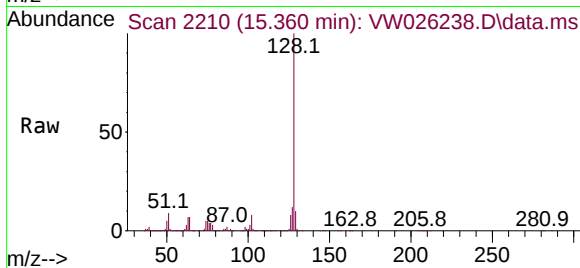
Tgt Ion:128 Resp: 412718

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 11.0 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 20.047 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW026238.D

Acq: 16 Jun 2023 19:17

Tgt Ion:180 Resp: 180091

Ion Ratio Lower Upper

180 100

182 100.9 76.3 114.5

145 35.9 27.0 40.6

