

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071223\
 Data File : VW026600.D
 Acq On : 12 Jul 2023 09:22
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025556

Quant Time: Jul 13 04:38:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 12 07:03:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	650324	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	566516	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	291965	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	222387	20.273	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.080%
7) Chloroethane-d5	2.899	69	165272	21.471	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.880%
11) 1,1-Dichloroethene-d2	4.021	65	105246	20.430	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.720%
21) 2-Butanone-d5	7.075	46	151471	42.725	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.460%
24) Chloroform-d	7.648	84	449026	23.982	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.920%
26) 1,2-Dichloroethane-d4	8.301	65	247172	23.643	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.560%
32) Benzene-d6	8.270	84	921825	23.703	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	9.270	67	285917	23.910	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.640%
41) Toluene-d8	10.325	98	799954	23.983	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.920%
43) trans-1,3-Dichloroprop...	10.575	79	113779	23.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.960%
47) 2-Hexanone-d5	10.922	63	108179	46.362	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.720%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	228878	22.602	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	13.848	152	250903	23.406	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	142794	19.465	ug/L	# 89
3) Chloromethane	2.222	50	230686	22.009	ug/L	100
5) Vinyl chloride	2.375	62	238778	21.616	ug/L	100
6) Bromomethane	2.783	94	132332	22.535	ug/L	99
8) Chloroethane	2.936	64	139989	22.664	ug/L	98
9) Trichlorofluoromethane	3.265	101	170318	20.817	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	207404	22.841	ug/L	99
12) 1,1-Dichloroethene	4.045	96	197485	22.668	ug/L	86
13) Acetone	4.112	43	131365	51.513	ug/L	96
14) Carbon disulfide	4.387	76	685210	22.437	ug/L	99
15) Methyl Acetate	4.667	43	127552	20.819	ug/L	97
16) Methylene chloride	4.917	84	241018	20.979	ug/L	96
17) trans-1,2-Dichloroethene	5.423	96	219783	23.595	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	355822	24.407	ug/L	100
19) 1,1-Dichloroethane	6.216	63	452255	24.284	ug/L	100
20) cis-1,2-Dichloroethene	7.167	96	240693	24.953	ug/L	98
22) 2-Butanone	7.167	43	177897	45.810	ug/L	98
23) Bromochloromethane	7.508	128	99997	24.202	ug/L	94
25) Chloroform	7.673	83	420853	24.664	ug/L	96

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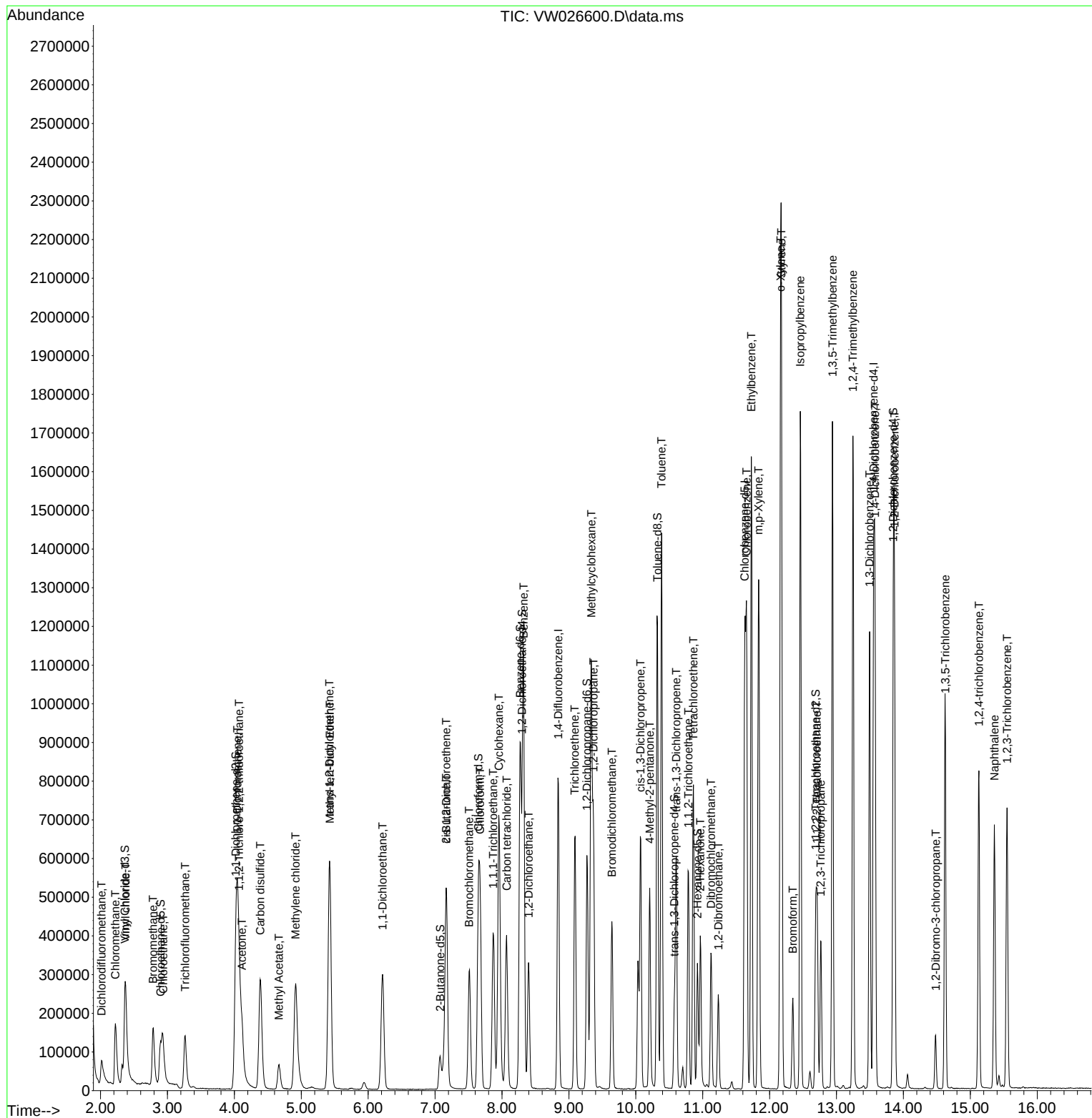
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	297628	24.777	ug/L	97
29) Cyclohexane	7.953	56	418781	23.742	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	328315	23.645	ug/L	98
31) Carbon tetrachloride	8.069	117	302714	24.017	ug/L	98
33) Benzene	8.325	78	961400	24.629	ug/L	100
34) Trichloroethene	9.087	95	239239	23.860	ug/L	95
35) Methylcyclohexane	9.337	83	429566	23.859	ug/L	99
37) 1,2-Dichloropropane	9.367	63	263292	25.399	ug/L	99
38) Bromodichloromethane	9.642	83	295568	25.096	ug/L	93
39) cis-1,3-Dichloropropene	10.069	75	388253	26.015	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	357262	45.662	ug/L	100
42) Toluene	10.386	91	983424	24.948	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	327228	25.998	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	178635	24.691	ug/L	98
46) Tetrachloroethene	10.861	164	176066	24.734	ug/L	86
48) 2-Hexanone	10.965	43	260788	47.761	ug/L	99
49) Dibromochloromethane	11.123	129	181048	25.273	ug/L	93
50) 1,2-Dibromoethane	11.233	107	165049	24.201	ug/L	96
51) Chlorobenzene	11.654	112	602206	24.916	ug/L	99
52) Ethylbenzene	11.727	91	1103374	25.142	ug/L	98
53) m,p-Xylene	11.836	106	414378	25.954	ug/L	89
54) o-Xylene	12.166	106	382722	25.538	ug/L	98
55) Styrene	12.178	104	684173	27.067	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	222687	23.453	ug/L	98
59) Bromoform	12.349	173	105865	22.926	ug/L	96
60) Isopropylbenzene	12.458	105	1069035	23.665	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	166555	21.120	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	861469	24.864	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	881845	25.671	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	445558	23.506	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	433271	22.919	ug/L	95
67) 1,2-Dichlorobenzene	13.867	146	409642	24.419	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	37786	20.132	ug/L	83
69) 1,3,5-Trichlorobenzene	14.629	180	282103	22.489	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	251223	24.405	ug/L	100
71) Naphthalene	15.360	128	546470	23.442	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	232181	23.959	ug/L	98

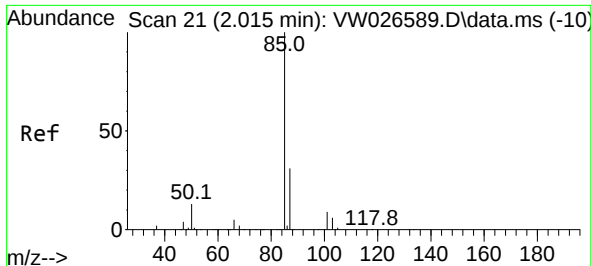
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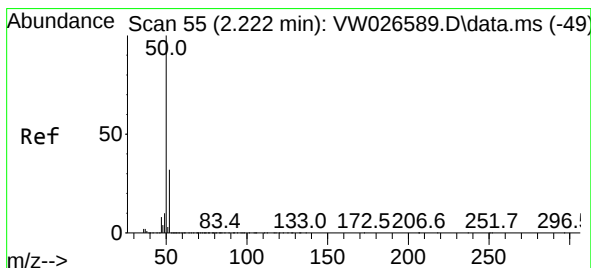
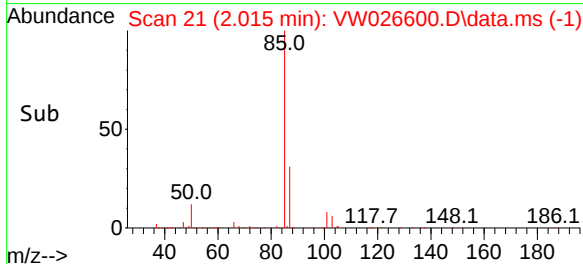
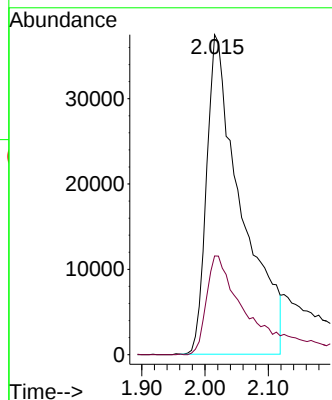
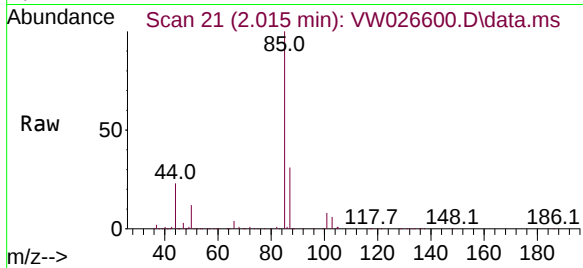




#2
 Dichlorodifluoromethane
 Concen: 19.465 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW026600.D
 Acq: 12 Jul 2023 09:22

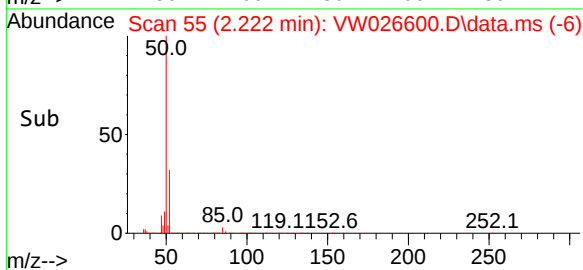
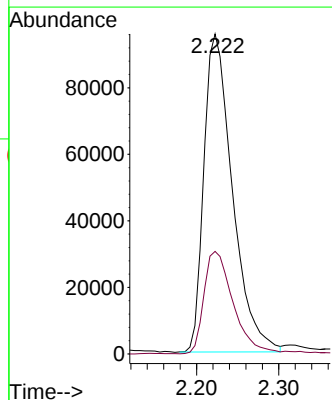
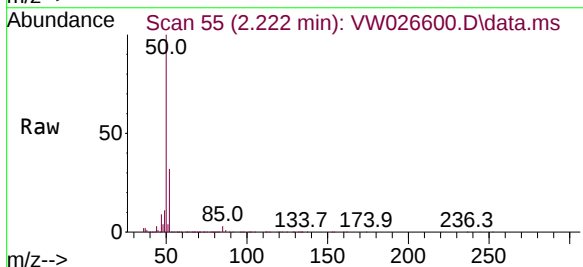
Instrument :
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 ClientSampleId :
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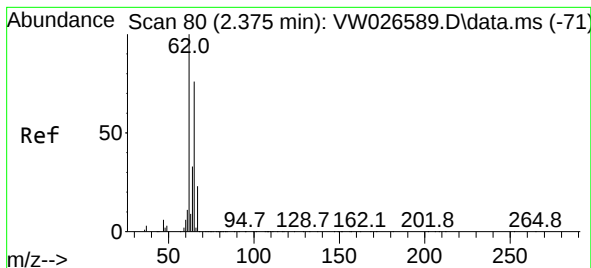
Tgt Ion: 85 Resp: 142794
 Ion Ratio Lower Upper
 85 100
 87 32.4 21.4 32.0#



#3
 Chloromethane
 Concen: 22.009 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW026600.D
 Acq: 12 Jul 2023 09:22

Tgt Ion: 50 Resp: 230686
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.5 41.7





#5

Vinyl chloride

Concen: 21.616 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

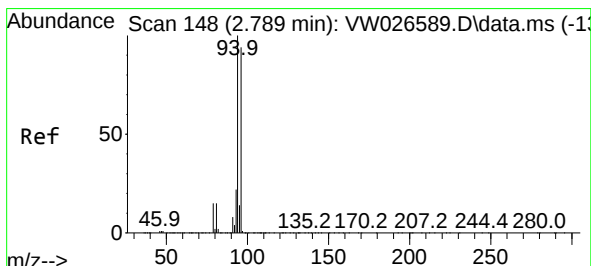
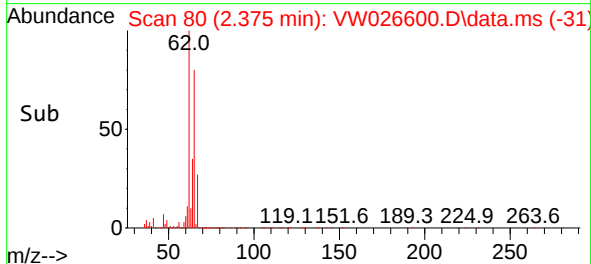
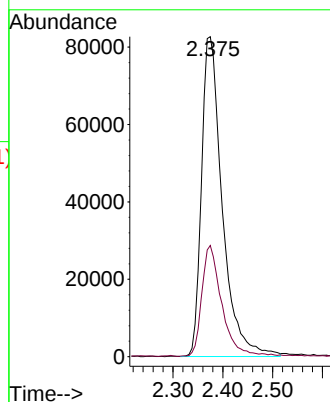
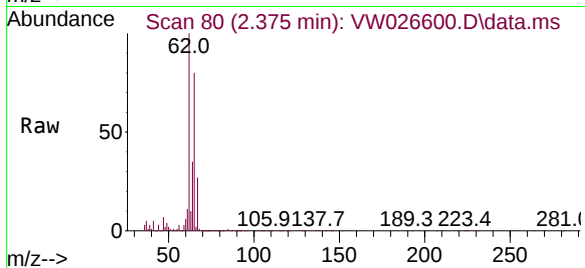
VSTD025556

Tgt Ion: 62 Resp: 238778

Ion Ratio Lower Upper

62 100

64 34.7 24.2 45.0



#6

Bromomethane

Concen: 22.535 ug/L

RT: 2.783 min Scan# 147

Delta R.T. -0.006 min

Lab File: VW026600.D

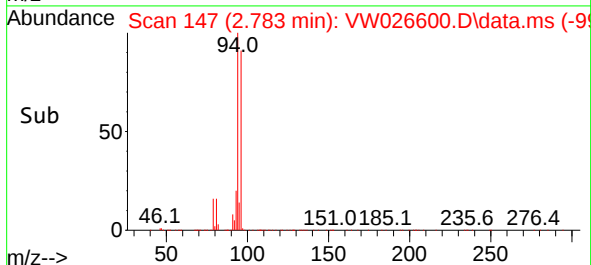
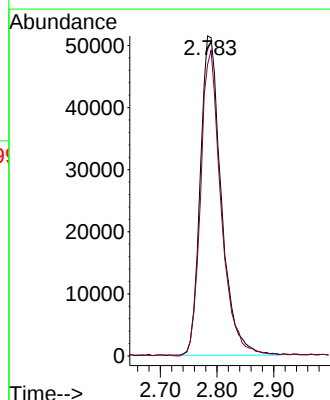
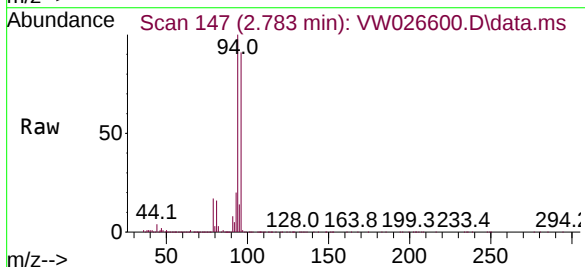
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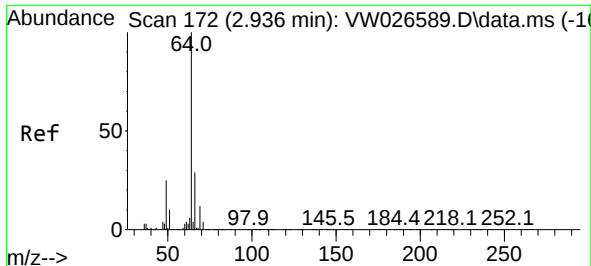
Tgt Ion: 94 Resp: 132332

Ion Ratio Lower Upper

94 100

96 91.0 64.5 119.9

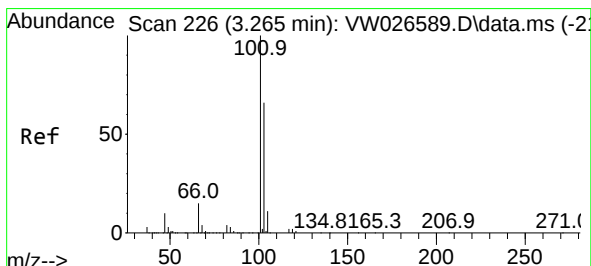
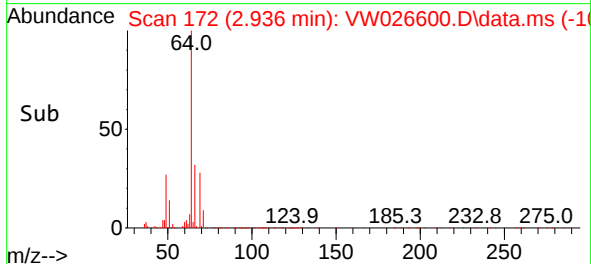
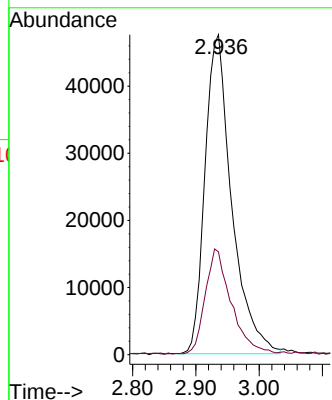
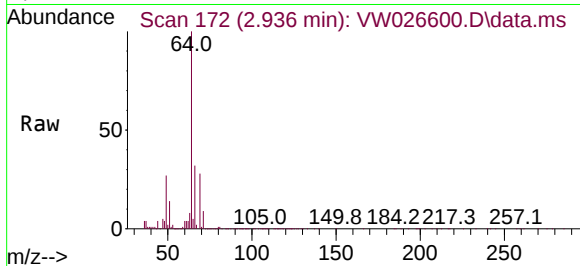




#8
Chloroethane
Concen: 22.664 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

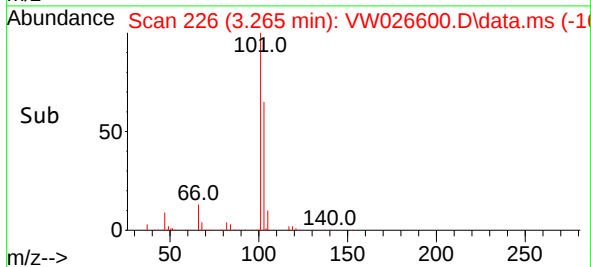
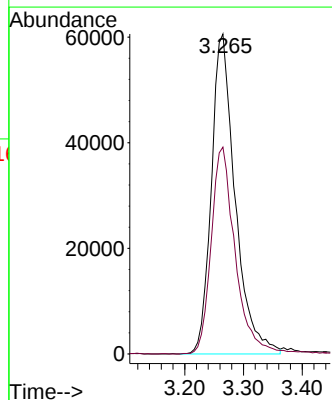
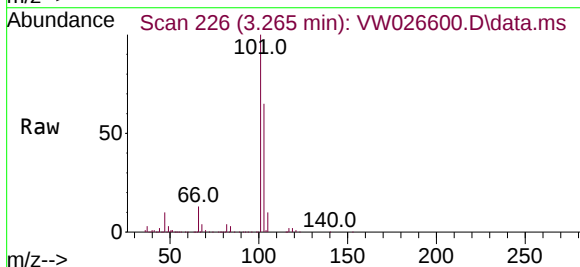
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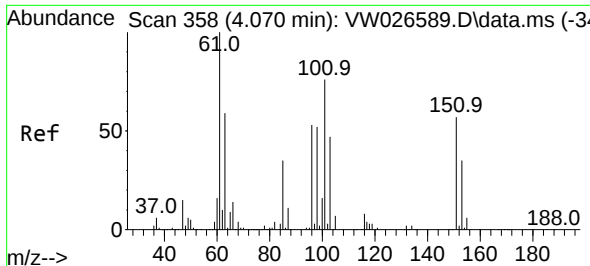
Tgt Ion: 64 Resp: 139989
Ion Ratio Lower Upper
64 100
66 32.2 21.7 40.3



#9
Trichlorofluoromethane
Concen: 20.817 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 101 Resp: 170318
Ion Ratio Lower Upper
101 100
103 64.3 50.3 75.5

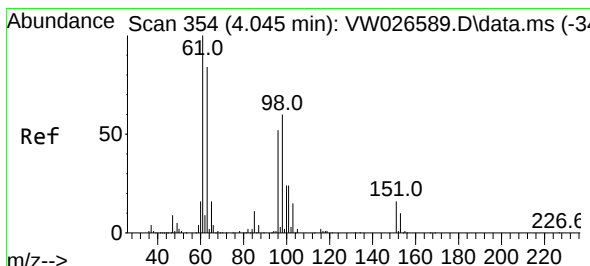
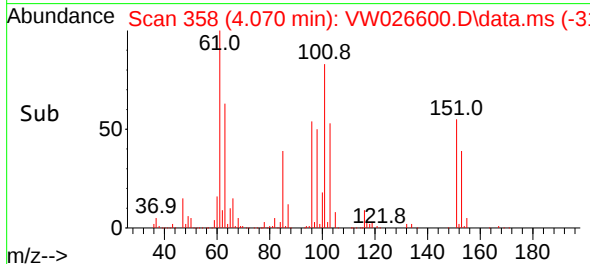
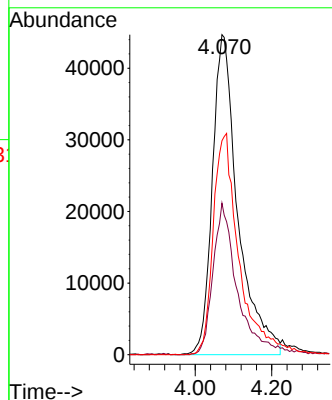
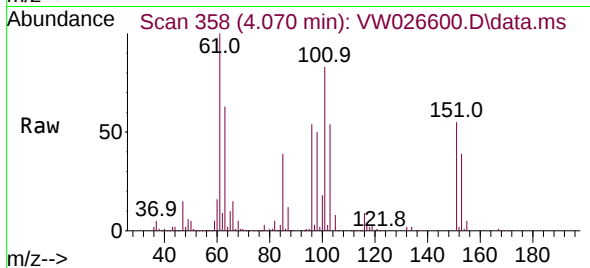




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.841 ug/L
 RT: 4.070 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW026600.D
 Acq: 12 Jul 2023 09:22

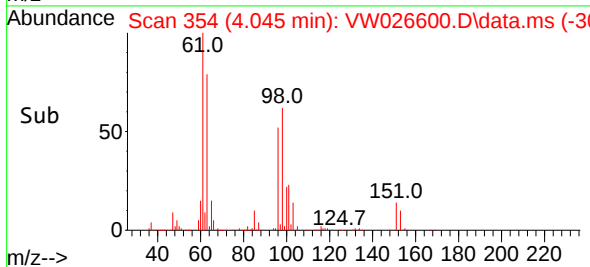
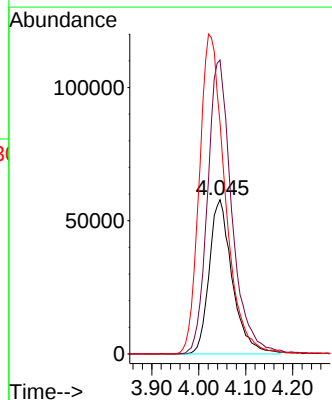
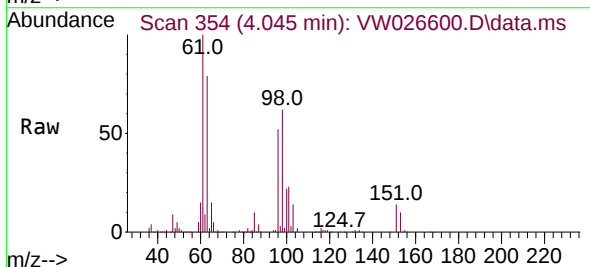
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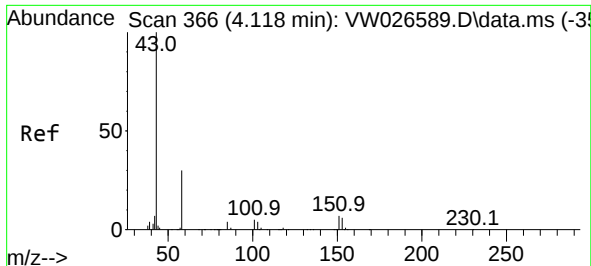
Tgt Ion:101 Resp: 207404
 Ion Ratio Lower Upper
 101 100
 85 43.1 36.1 54.1
 151 69.8 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 22.668 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW026600.D
 Acq: 12 Jul 2023 09:22

Tgt Ion: 96 Resp: 197485
 Ion Ratio Lower Upper
 96 100
 61 190.6 140.8 261.4
 63 150.0 127.7 237.3

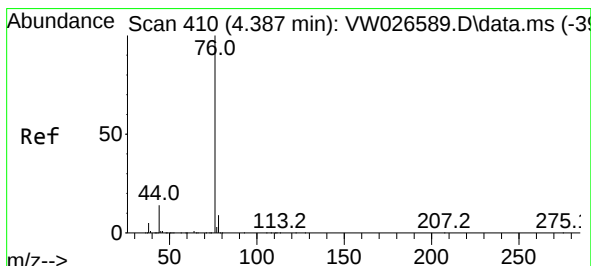
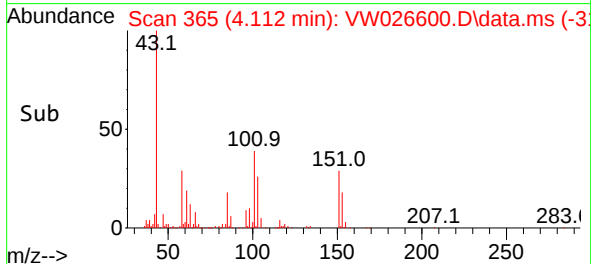
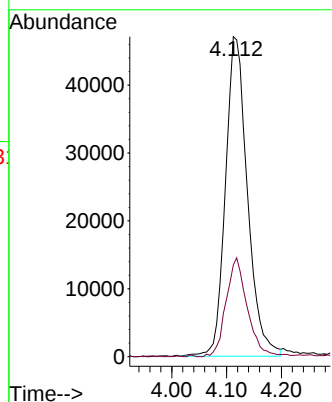
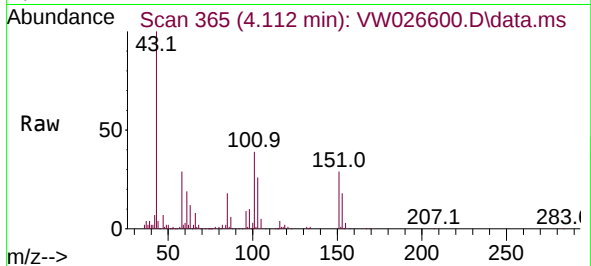




#13
Acetone
Concen: 51.513 ug/L
RT: 4.112 min Scan# 365
Delta R.T. -0.006 min
Lab File: VW026600.D
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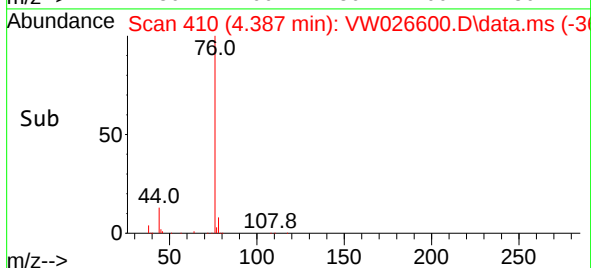
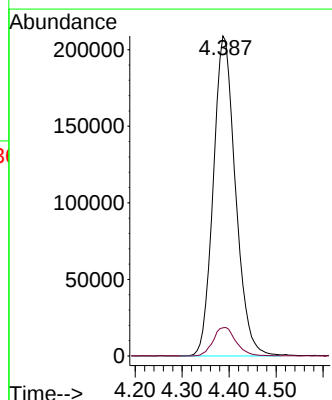
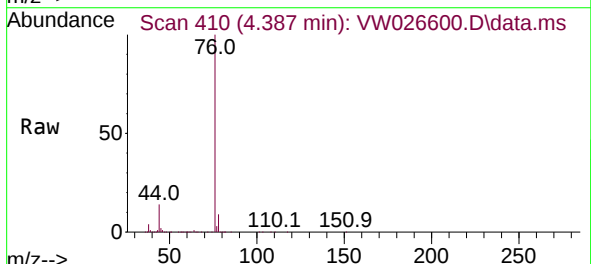
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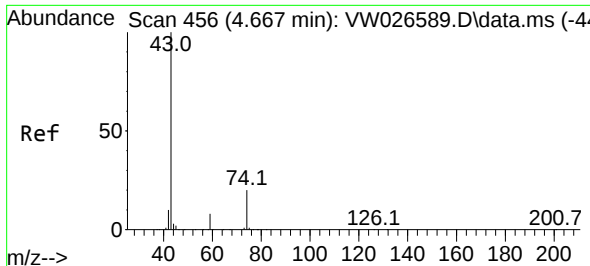
Tgt Ion: 43 Resp: 131365
Ion Ratio Lower Upper
43 100
58 29.6 0.0 63.2



#14
Carbon disulfide
Concen: 22.437 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 685210
Ion Ratio Lower Upper
76 100
78 8.8 6.9 10.3

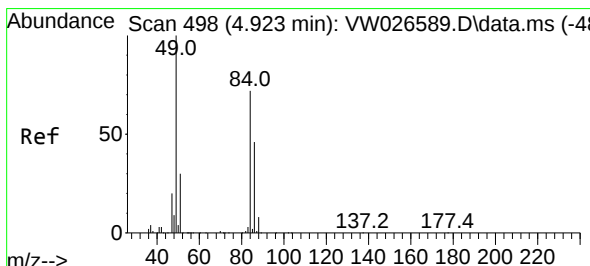
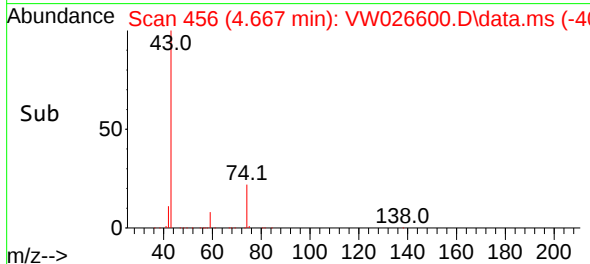
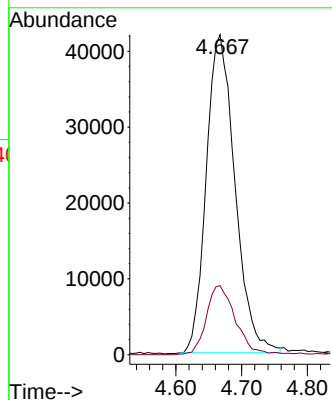
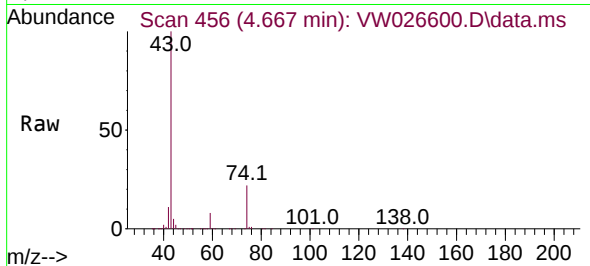




#15
Methyl Acetate
Concen: 20.819 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

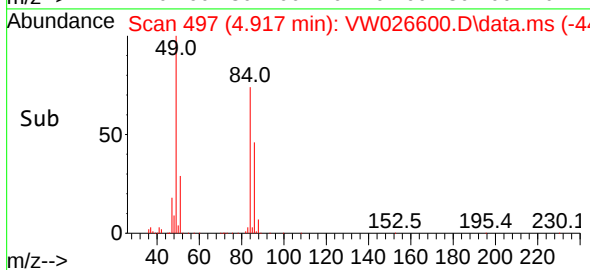
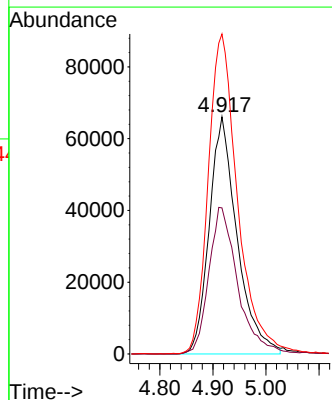
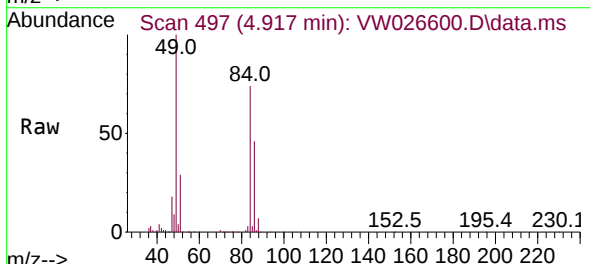
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

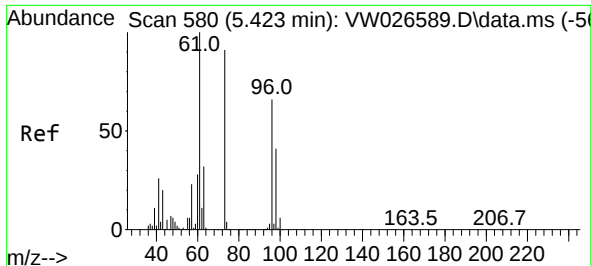
Tgt Ion: 43 Resp: 127552
Ion Ratio Lower Upper
43 100
74 21.6 16.3 24.5



#16
Methylene chloride
Concen: 20.979 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 84 Resp: 241018
Ion Ratio Lower Upper
84 100
86 61.6 43.8 81.3
49 134.9 99.2 184.2

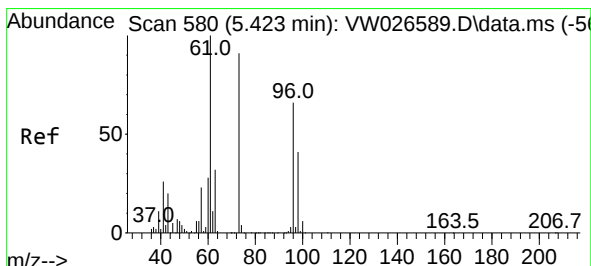
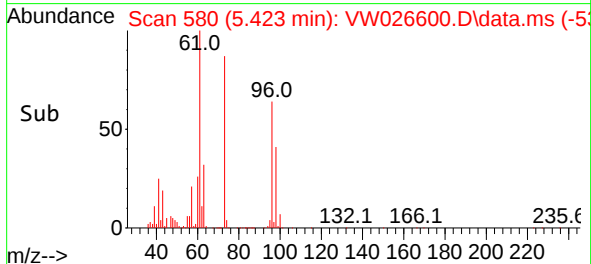
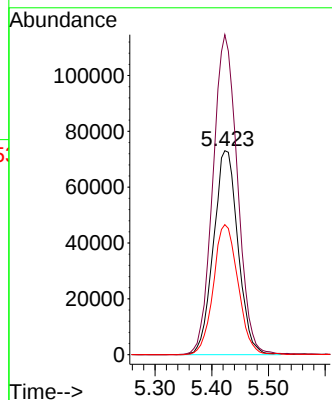
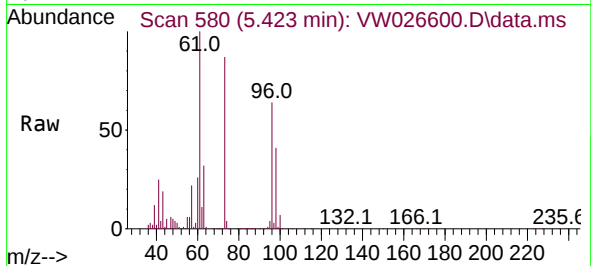




#17
trans-1,2-Dichloroethene
Concen: 23.595 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

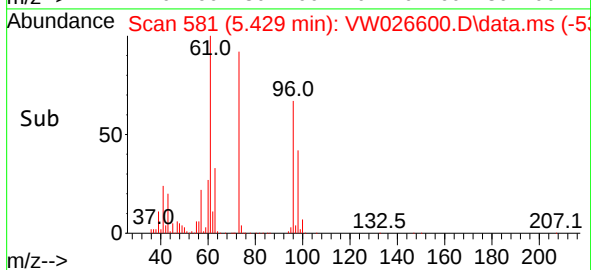
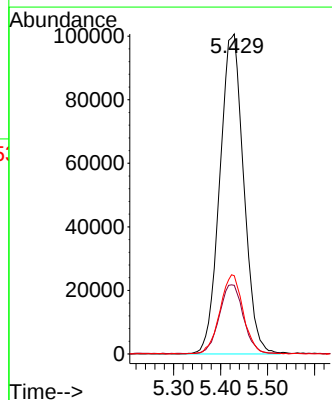
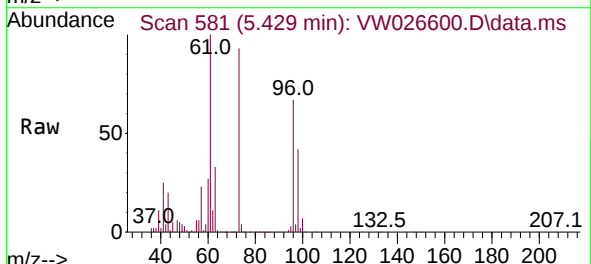
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

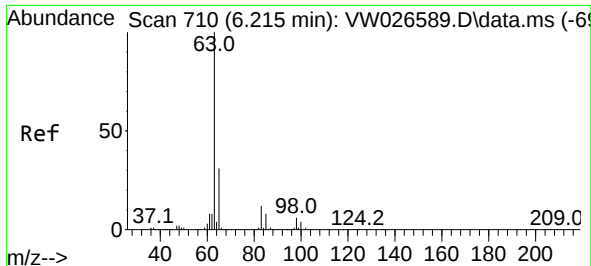
Tgt Ion: 96 Resp: 219783
Ion Ratio Lower Upper
96 100
61 156.9 108.1 200.9
98 63.8 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 24.407 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 73 Resp: 355822
Ion Ratio Lower Upper
73 100
43 21.6 17.4 26.2
57 24.0 19.3 28.9





#19

1,1-Dichloroethane

Concen: 24.284 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025556

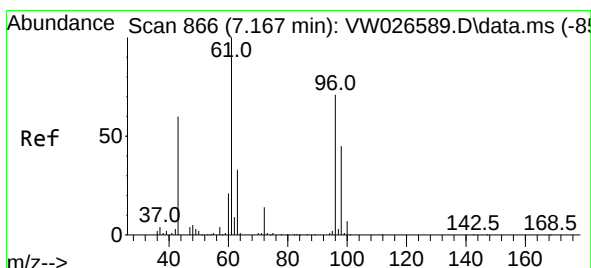
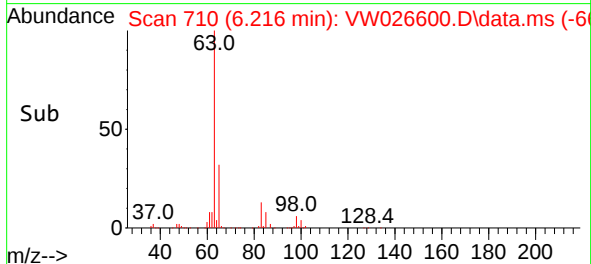
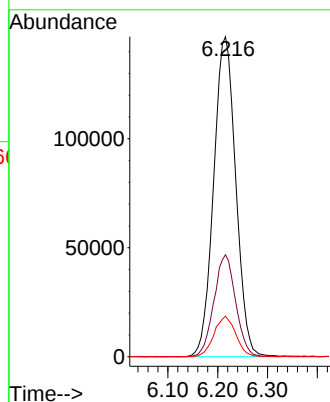
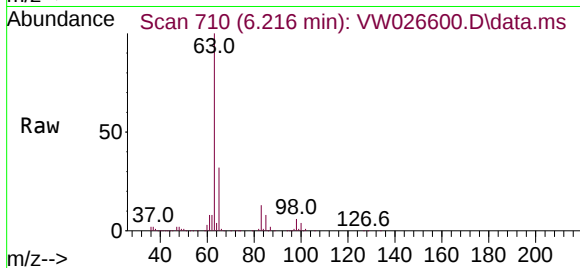
Tgt Ion: 63 Resp: 452255

Ion Ratio Lower Upper

63 100

65 31.8 22.3 41.5

83 12.7 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 24.953 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

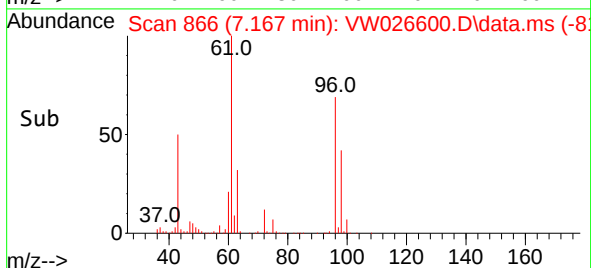
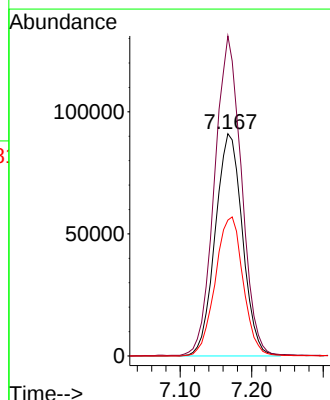
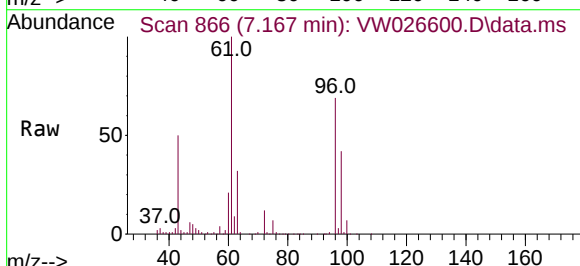
Tgt Ion: 96 Resp: 240693

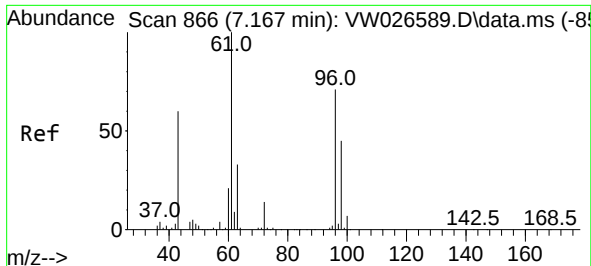
Ion Ratio Lower Upper

96 100

61 143.9 98.8 183.6

98 61.1 42.4 78.6

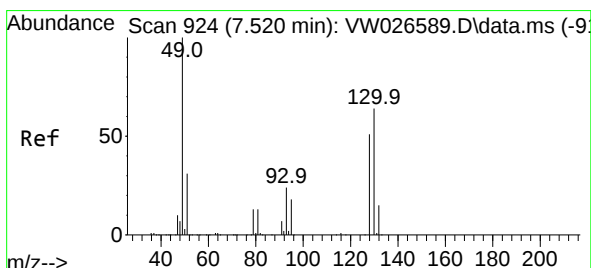
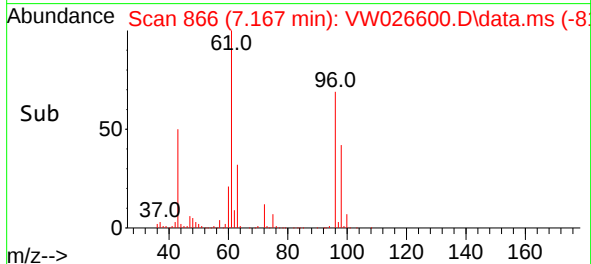
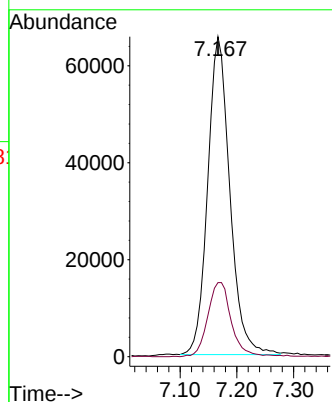
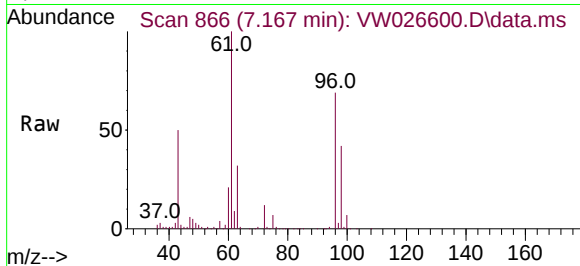




#22
2-Butanone
Concen: 45.810 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

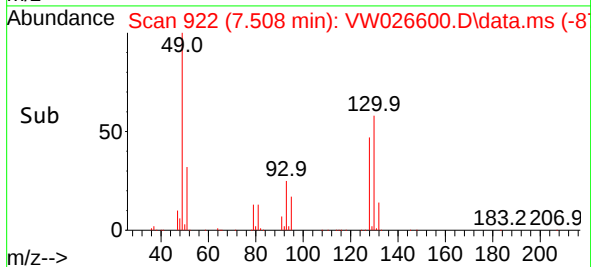
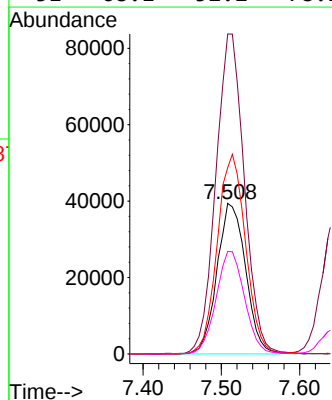
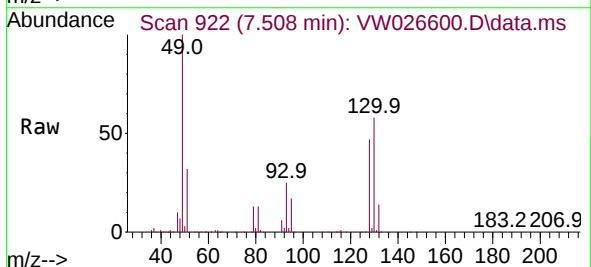
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

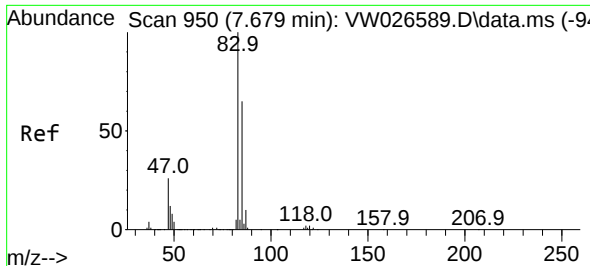
Tgt Ion: 43 Resp: 177897
Ion Ratio Lower Upper
43 100
72 24.5 11.9 35.5



#23
Bromochloromethane
Concen: 24.202 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.006 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 128 Resp: 99997
Ion Ratio Lower Upper
128 100
49 212.6 142.1 263.9
130 123.9 92.9 172.5
51 68.1 52.2 78.2

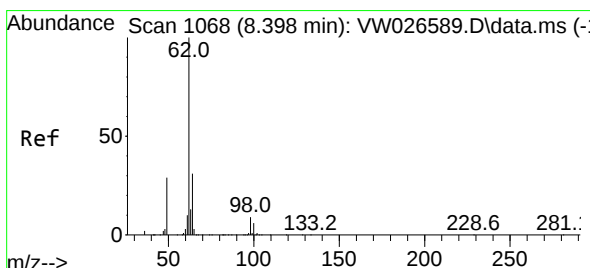
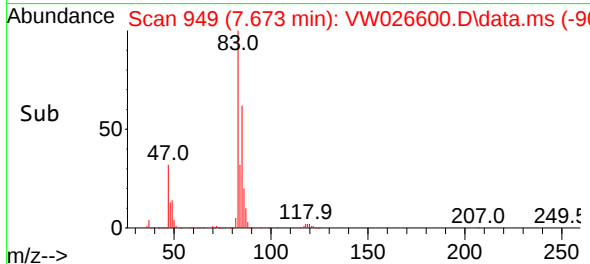
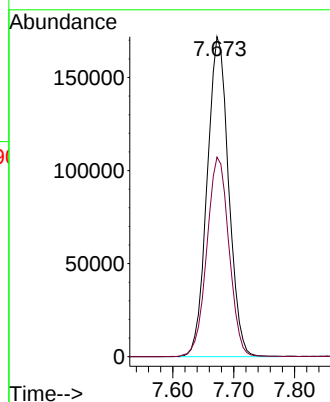
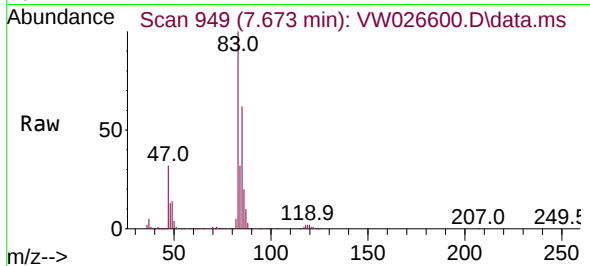




#25
Chloroform
Concen: 24.664 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

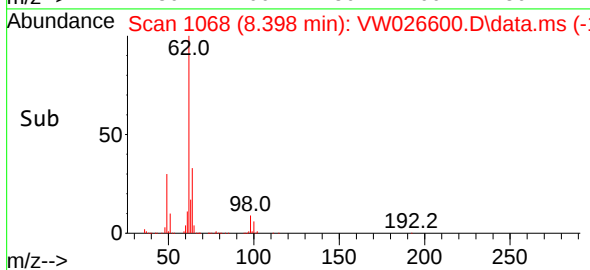
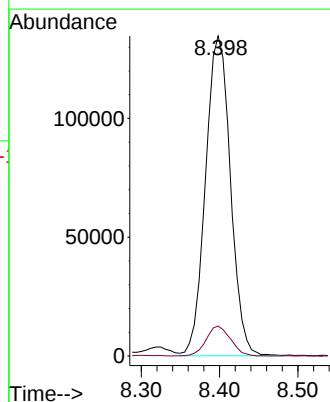
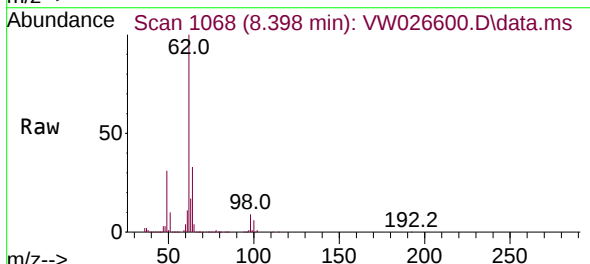
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

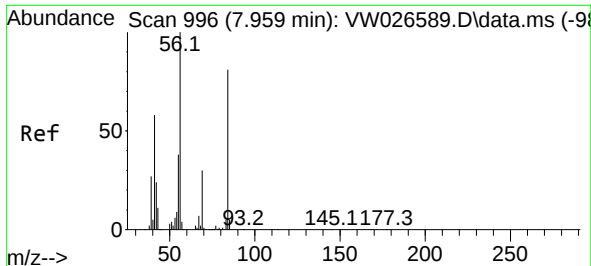
Tgt Ion: 83 Resp: 420853
Ion Ratio Lower Upper
83 100
85 62.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 24.777 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 62 Resp: 297628
Ion Ratio Lower Upper
62 100
98 9.4 6.7 10.1





#29

Cyclohexane

Concen: 23.742 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025556

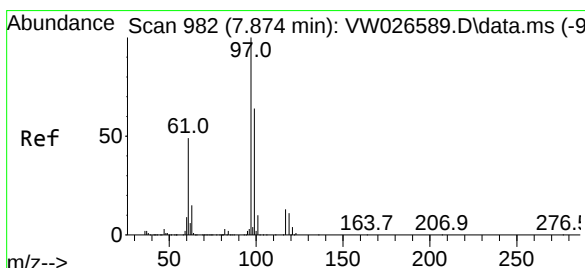
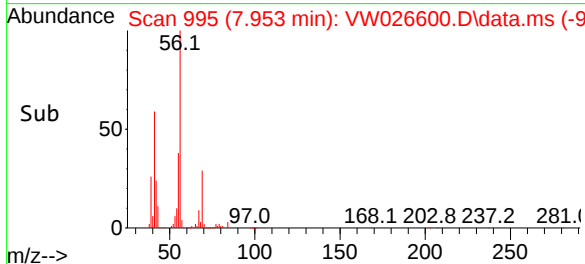
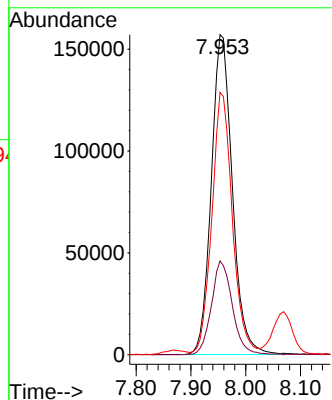
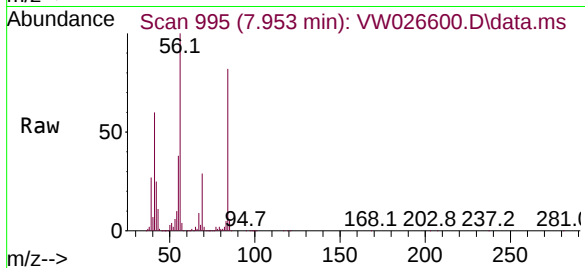
Tgt Ion: 56 Resp: 418781

Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.0

84 79.8 62.6 94.0



#30

1,1,1-Trichloroethane

Concen: 23.645 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

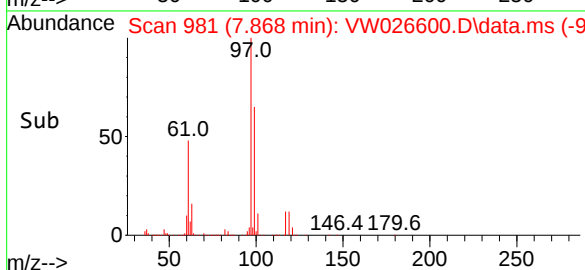
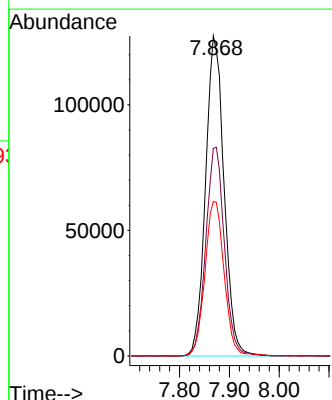
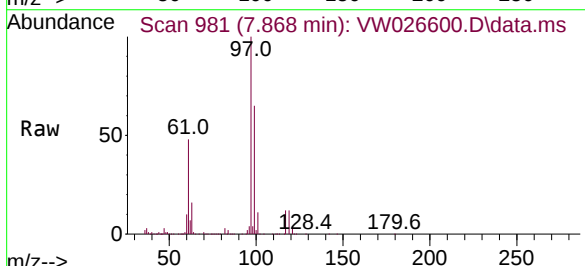
Tgt Ion: 97 Resp: 328315

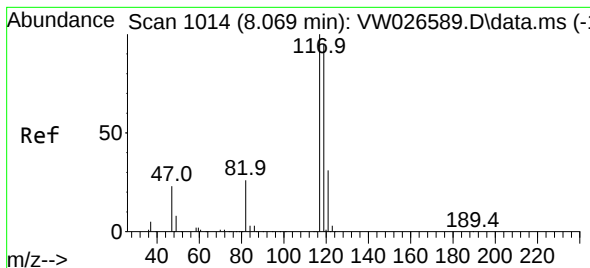
Ion Ratio Lower Upper

97 100

99 65.6 49.9 74.9

61 49.6 39.8 59.8





#31

Carbon tetrachloride

Concen: 24.017 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

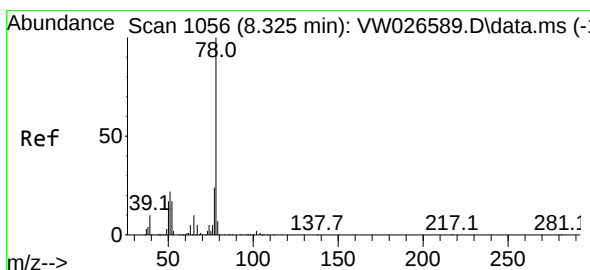
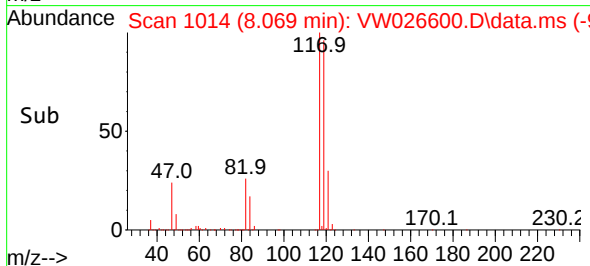
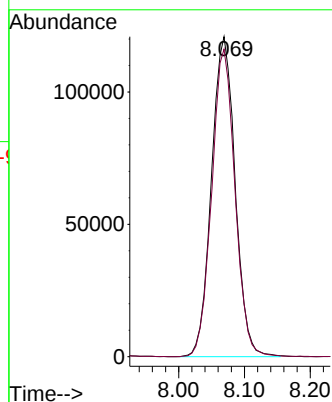
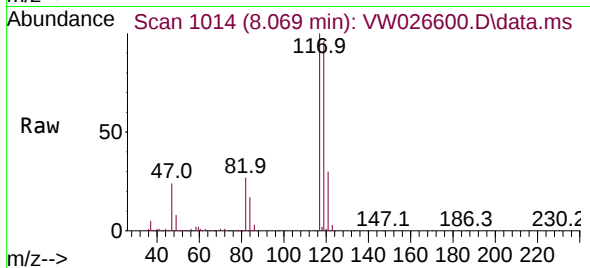
VSTD025556

Tgt Ion:117 Resp: 302714

Ion Ratio Lower Upper

117 100

119 94.6 77.1 115.7



#33

Benzene

Concen: 24.629 ug/L

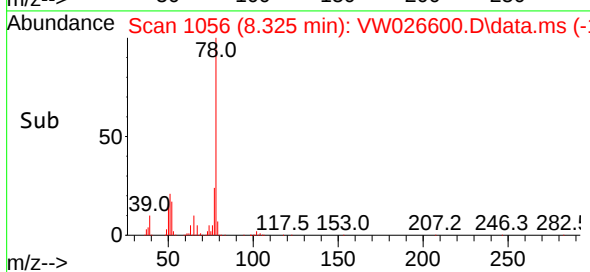
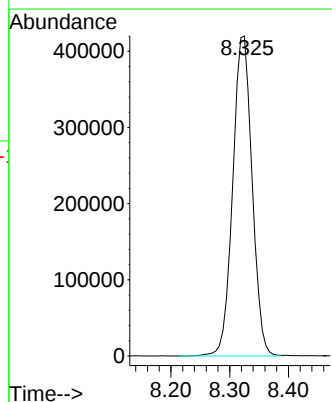
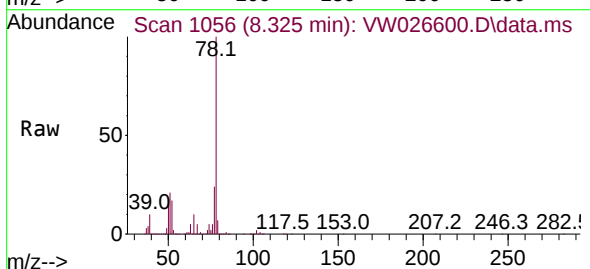
RT: 8.325 min Scan# 1056

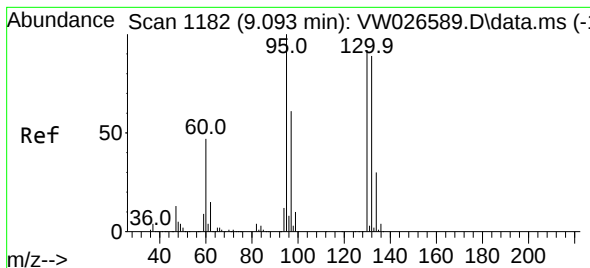
Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Tgt Ion: 78 Resp: 961400





#34

Trichloroethene

Concen: 23.860 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025556

Tgt Ion: 95 Resp: 239239

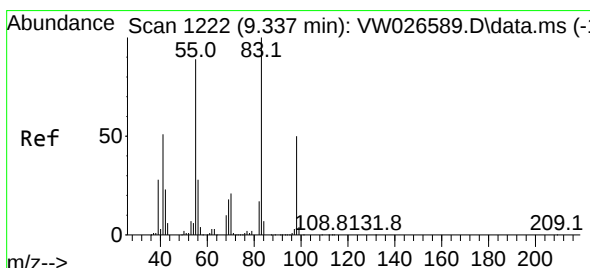
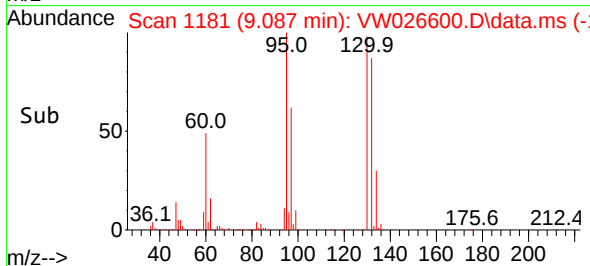
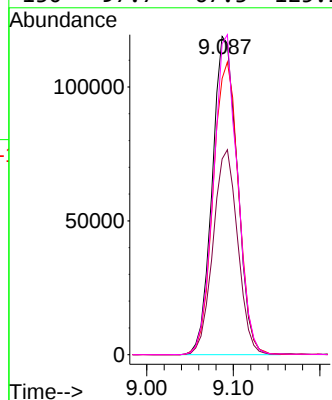
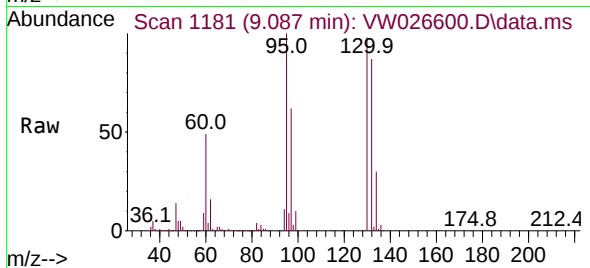
Ion Ratio Lower Upper

95 100

97 61.5 47.9 88.9

132 86.8 65.0 120.8

130 97.7 67.3 125.1



#35

Methylcyclohexane

Concen: 23.859 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

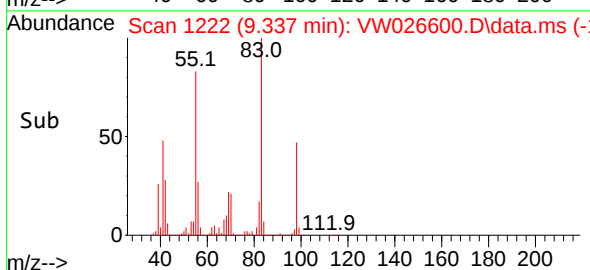
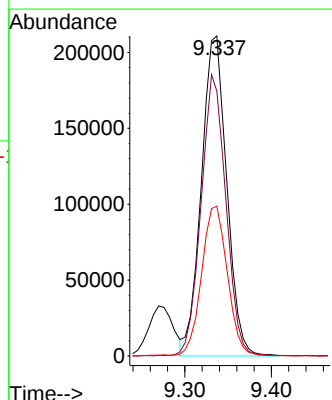
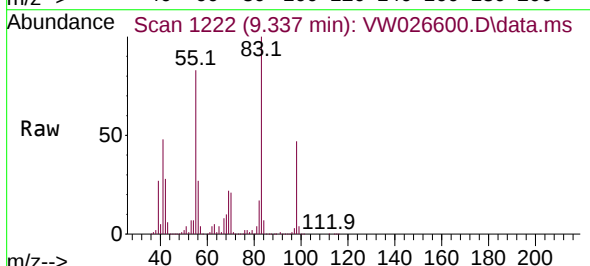
Tgt Ion: 83 Resp: 429566

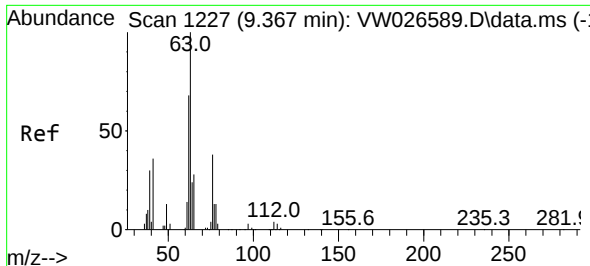
Ion Ratio Lower Upper

83 100

55 85.8 68.7 103.1

98 47.6 37.3 55.9





#37

1,2-Dichloropropane

Concen: 25.399 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

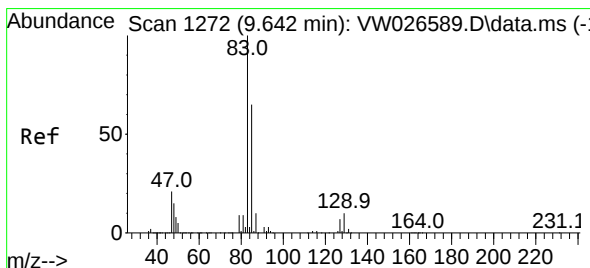
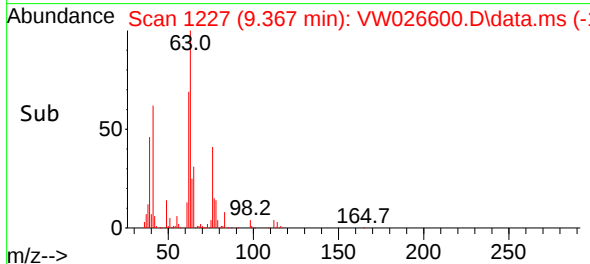
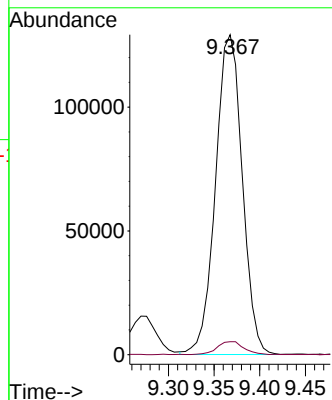
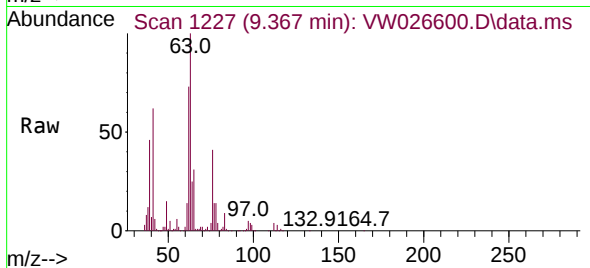
VSTD025556

Tgt Ion: 63 Resp: 263292

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 25.096 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

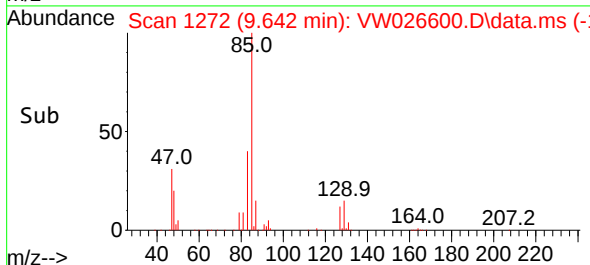
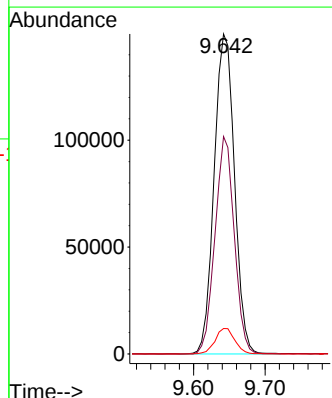
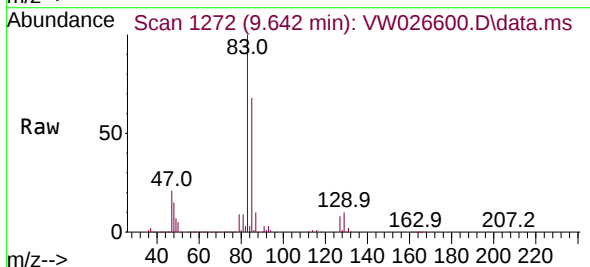
Tgt Ion: 83 Resp: 295568

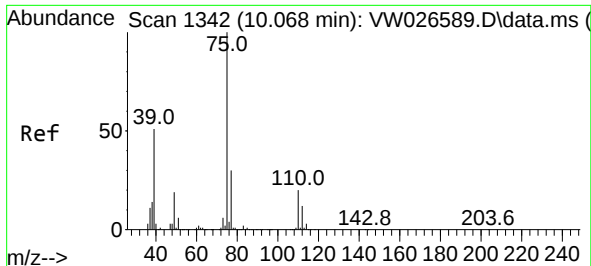
Ion Ratio Lower Upper

83 100

85 68.0 43.3 80.3

127 8.0 6.6 10.0

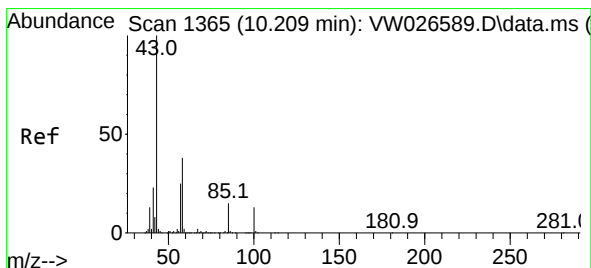
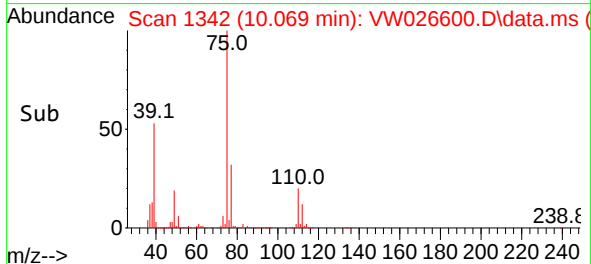
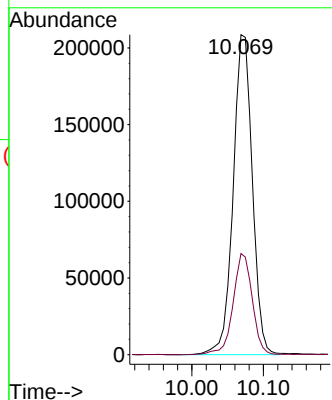
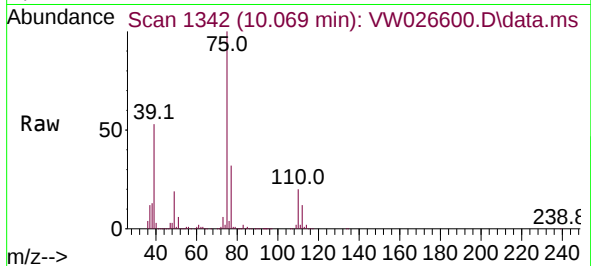




#39
 cis-1,3-Dichloropropene
 Concen: 26.015 ug/L
 RT: 10.069 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VW026600.D
 Acq: 12 Jul 2023 09:22

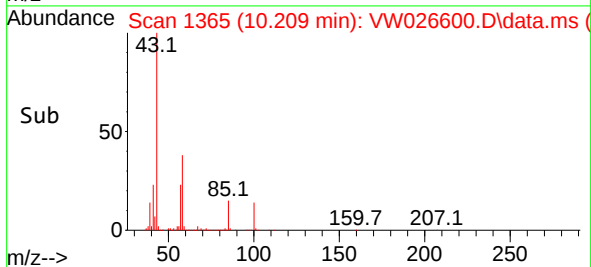
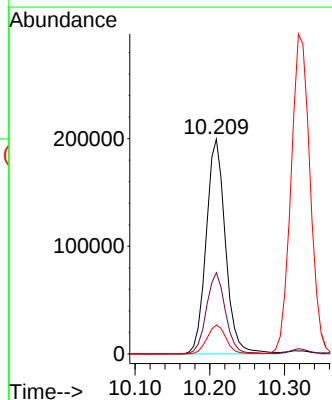
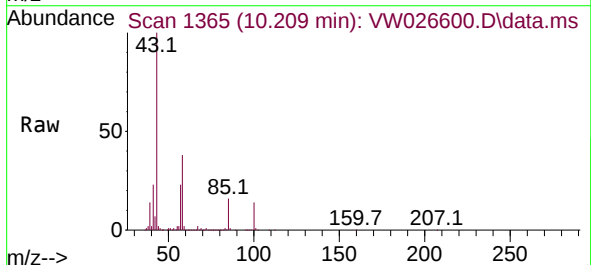
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025556

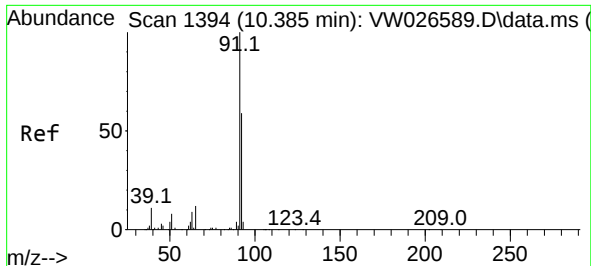
Tgt Ion: 75 Resp: 388253
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 45.662 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW026600.D
 Acq: 12 Jul 2023 09:22

Tgt Ion: 43 Resp: 357262
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.8 44.8
 100 13.4 10.7 16.1





#42

Toluene

Concen: 24.948 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

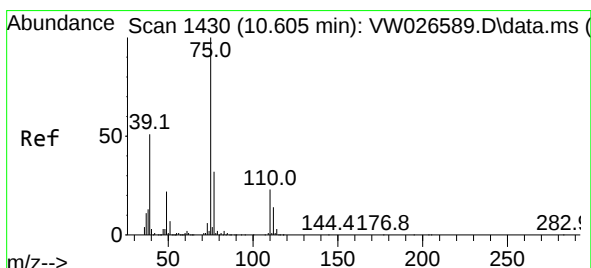
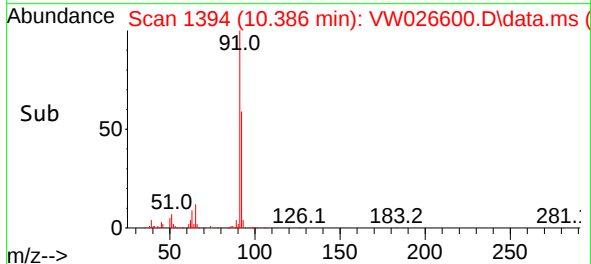
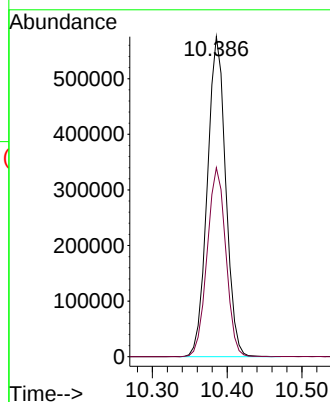
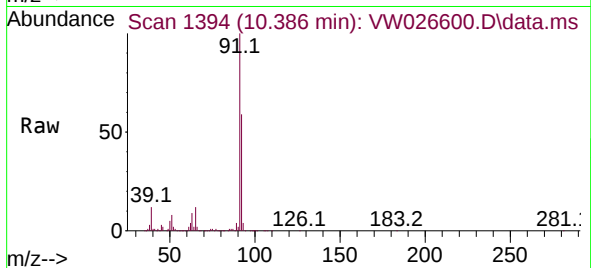
VSTD025556

Tgt Ion: 91 Resp: 983424

Ion Ratio Lower Upper

91 100

92 59.1 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 25.998 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW026600.D

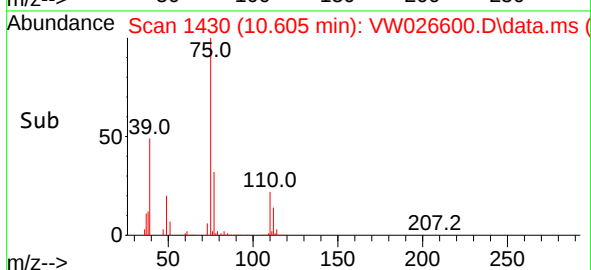
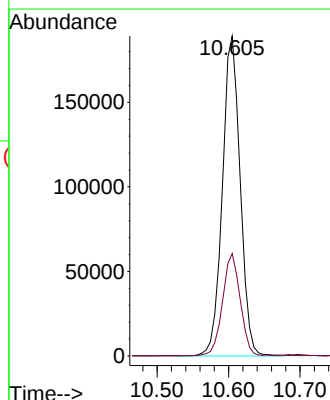
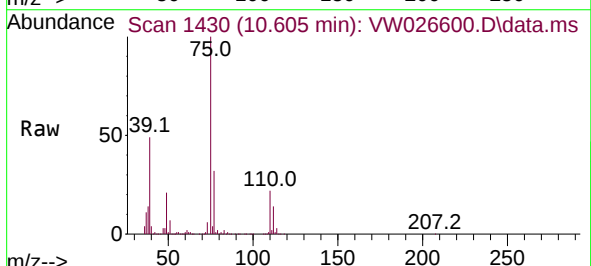
Acq: 12 Jul 2023 09:22

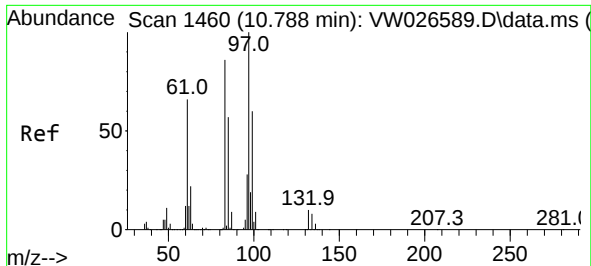
Tgt Ion: 75 Resp: 327228

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.6



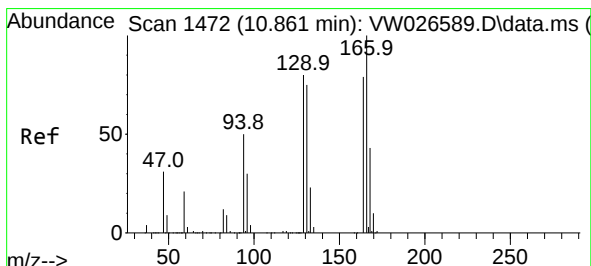
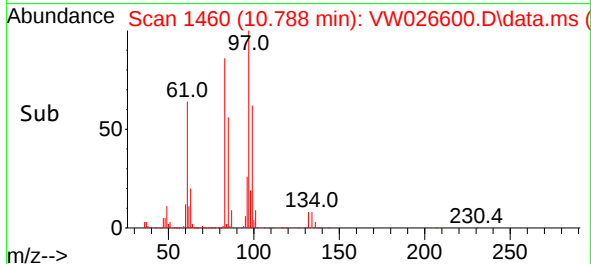
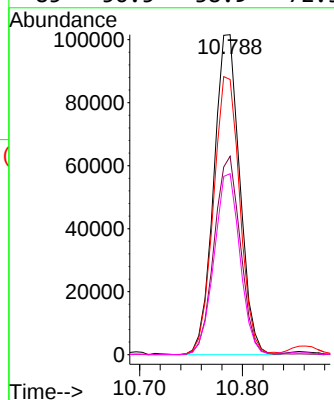
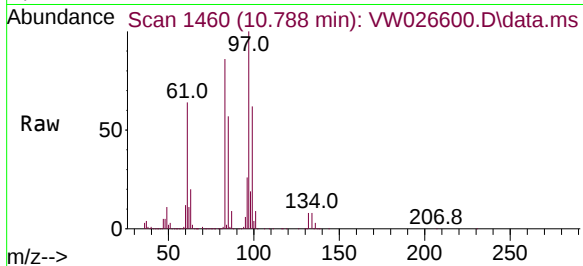


#45
1,1,2-Trichloroethane
Concen: 24.691 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

Tgt Ion: 97 Resp: 178635

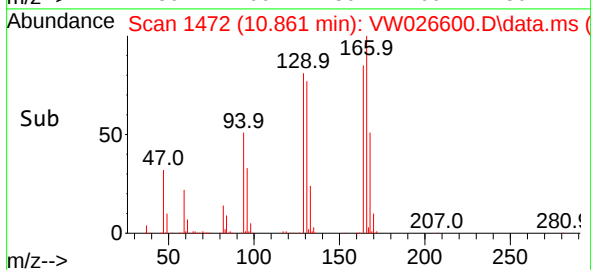
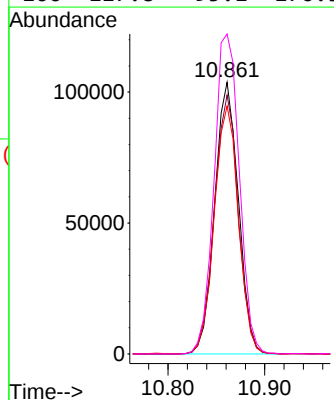
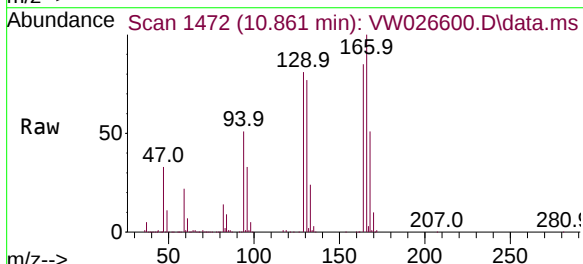
Ion	Ratio	Lower	Upper
97	100		
99	62.0	40.5	75.3
83	86.0	61.0	113.2
85	56.5	38.9	72.3

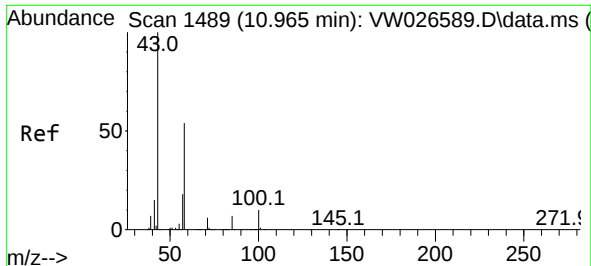


#46
Tetrachloroethene
Concen: 24.734 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 164 Resp: 176066

Ion	Ratio	Lower	Upper
164	100		
129	95.3	75.5	140.1
131	91.2	74.8	138.8
166	117.8	95.1	176.5

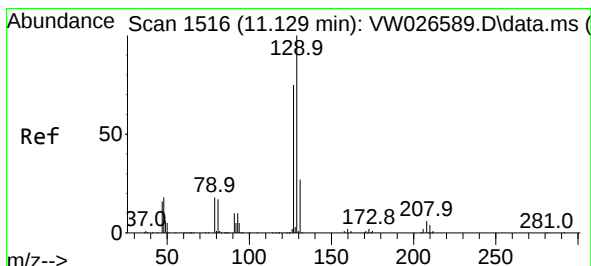
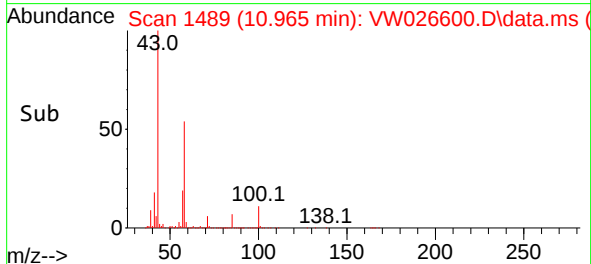
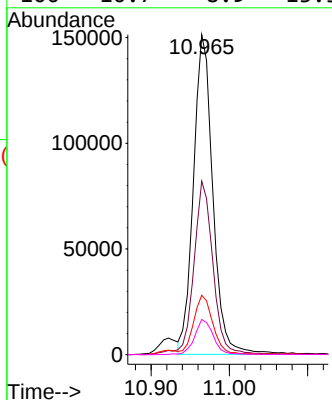
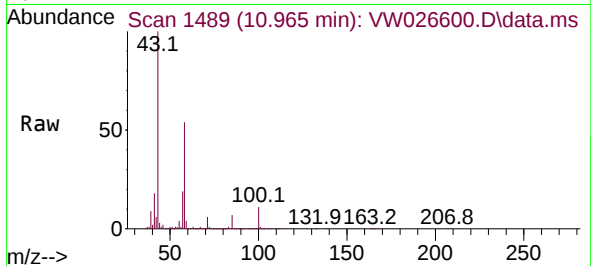




#48
2-Hexanone
Concen: 47.761 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

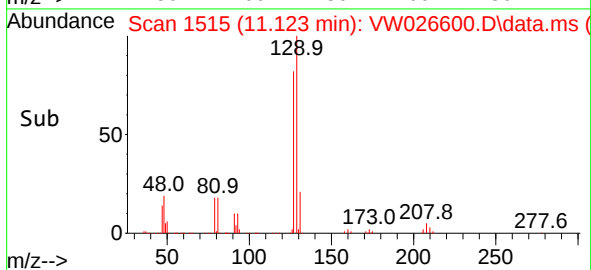
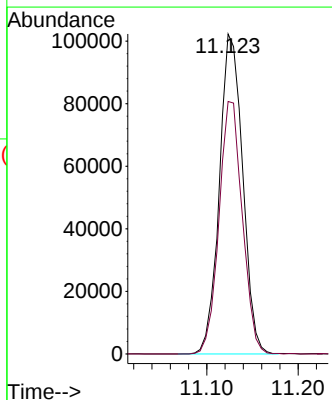
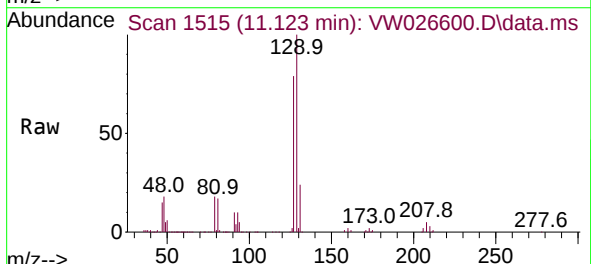
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

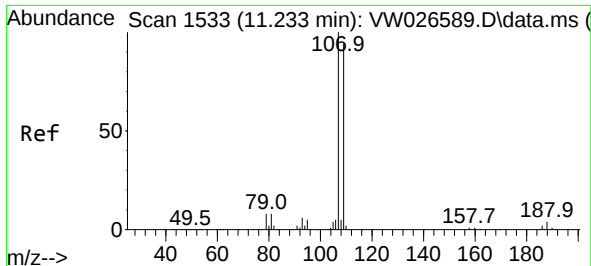
Tgt Ion: 43 Resp: 260788
Ion Ratio Lower Upper
43 100
58 52.1 42.1 63.1
57 18.6 14.8 22.2
100 10.7 8.9 13.3



#49
Dibromochloromethane
Concen: 25.273 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 129 Resp: 181048
Ion Ratio Lower Upper
129 100
127 78.9 51.2 95.2

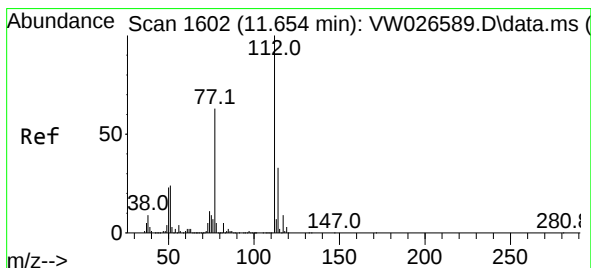
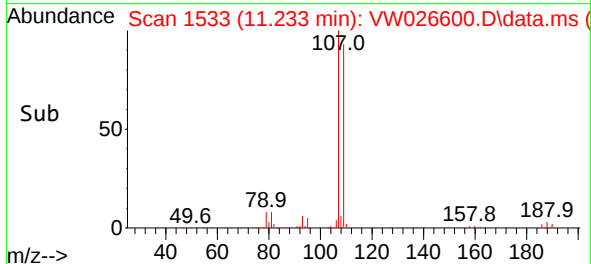
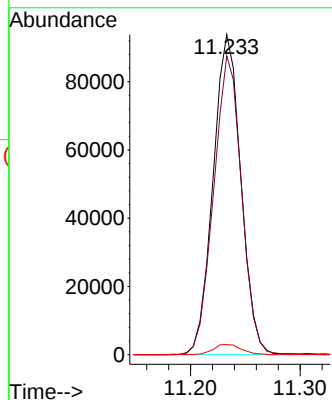
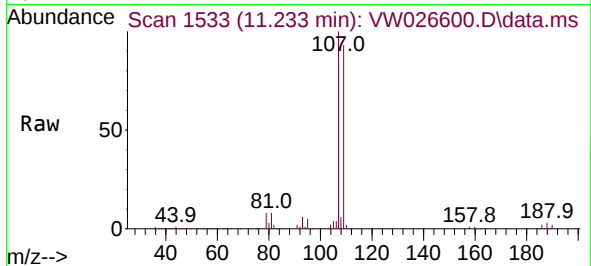




#50
1,2-Dibromoethane
Concen: 24.201 ug/L
RT: 11.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

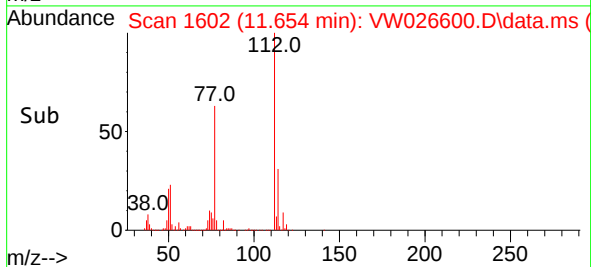
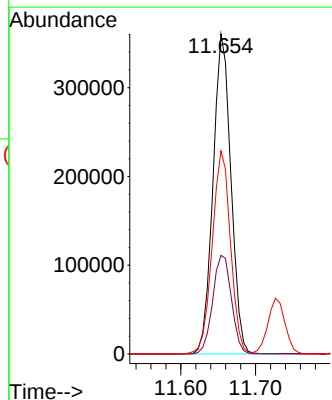
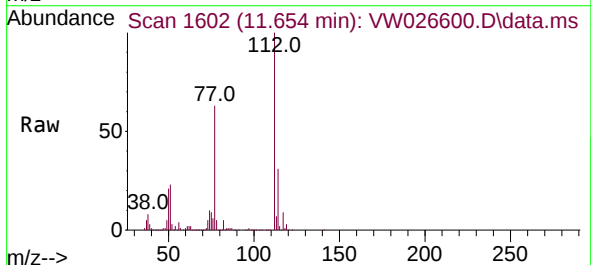
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

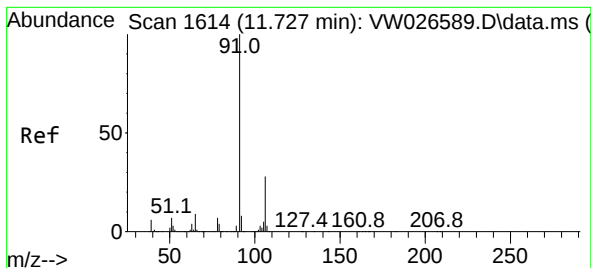
Tgt Ion:107 Resp: 165049
Ion Ratio Lower Upper
107 100
109 93.4 62.9 116.7
188 3.1 2.8 4.2



#51
Chlorobenzene
Concen: 24.916 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion:112 Resp: 602206
Ion Ratio Lower Upper
112 100
114 30.8 21.6 40.2
77 63.4 50.3 75.5

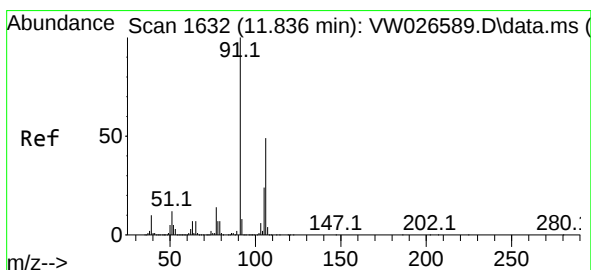
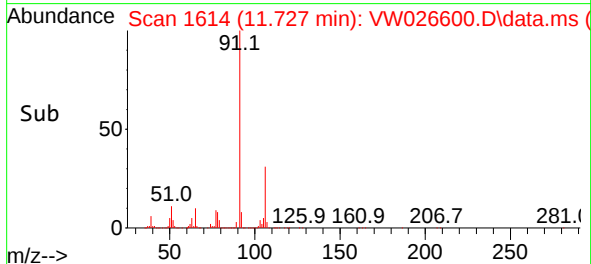
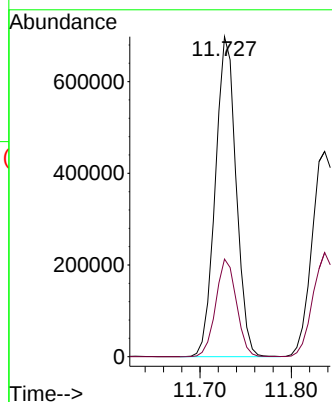
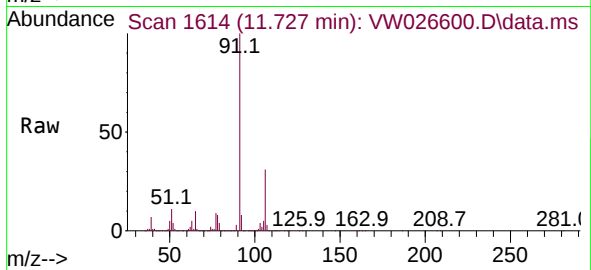




#52
Ethylbenzene
Concen: 25.142 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

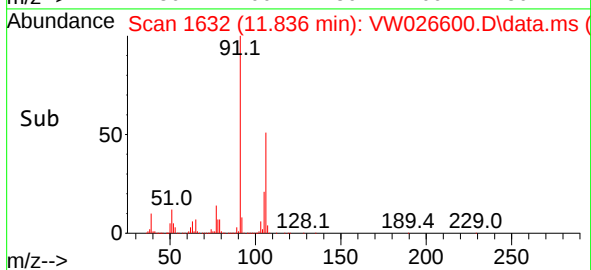
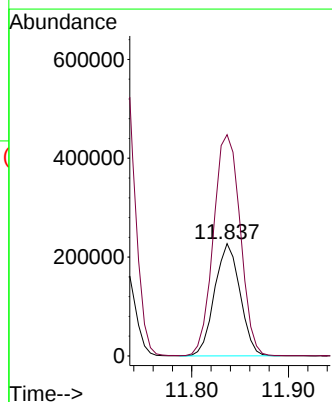
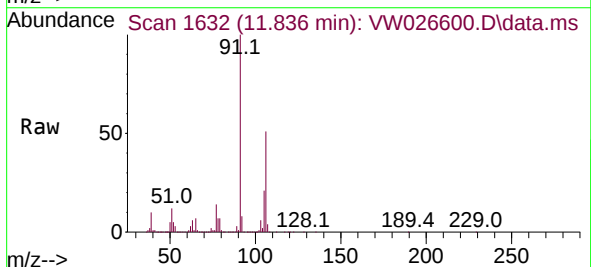
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

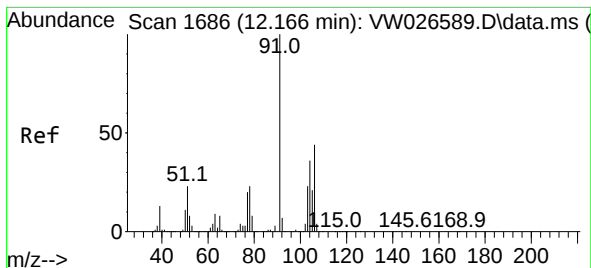
Tgt Ion: 91 Resp: 1103374
Ion Ratio Lower Upper
91 100
106 30.5 20.8 38.6



#53
m,p-Xylene
Concen: 25.954 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion:106 Resp: 414378
Ion Ratio Lower Upper
106 100
91 197.1 150.3 279.1





#54

o-Xylene

Concen: 25.538 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

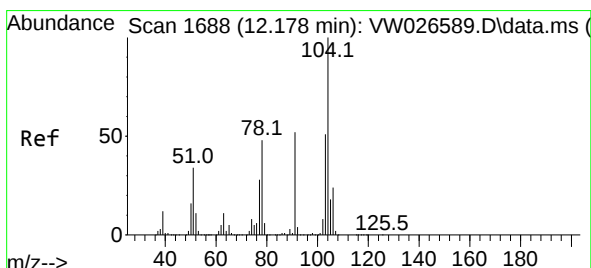
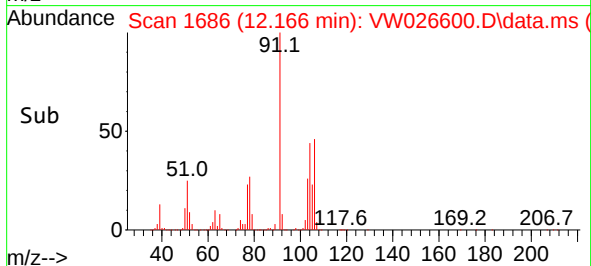
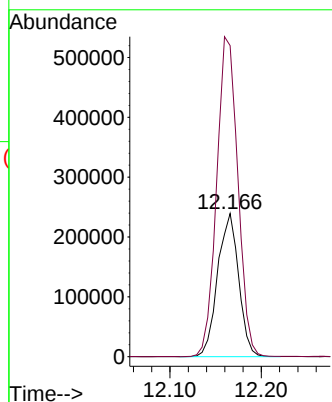
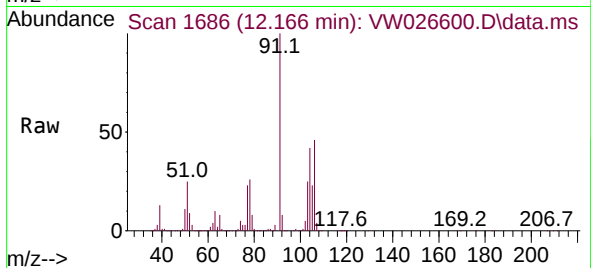
VSTD025556

Tgt Ion:106 Resp: 382722

Ion Ratio Lower Upper

106 100

91 217.1 154.3 286.5



#55

Styrene

Concen: 27.067 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW026600.D

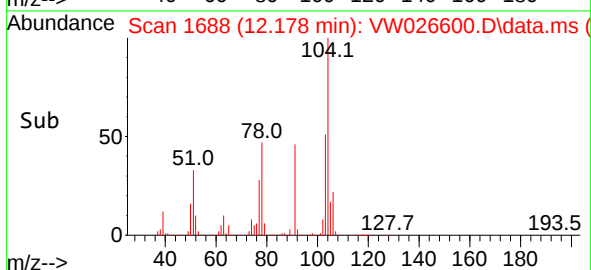
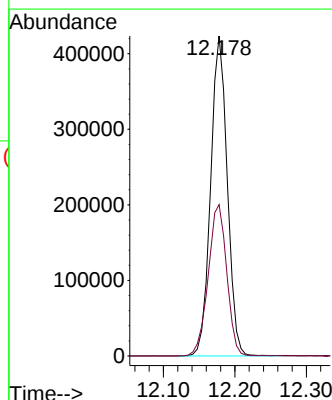
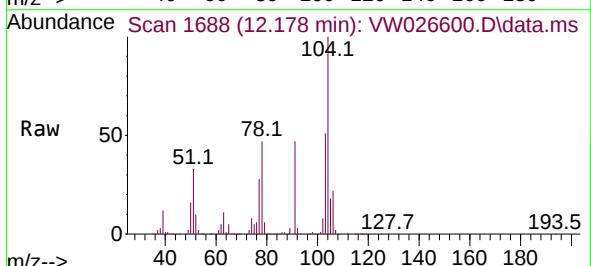
Acq: 12 Jul 2023 09:22

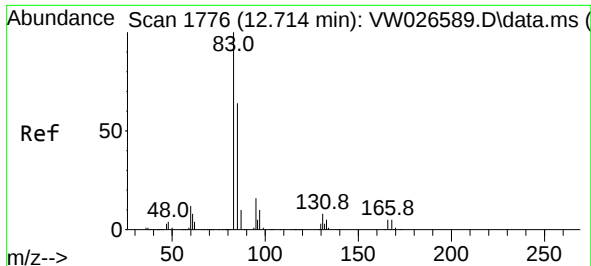
Tgt Ion:104 Resp: 684173

Ion Ratio Lower Upper

104 100

78 47.3 34.6 64.2





#57

1,1,2-Tetrachloroethane

Concen: 23.453 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025556

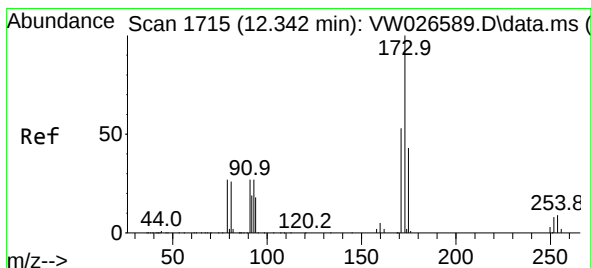
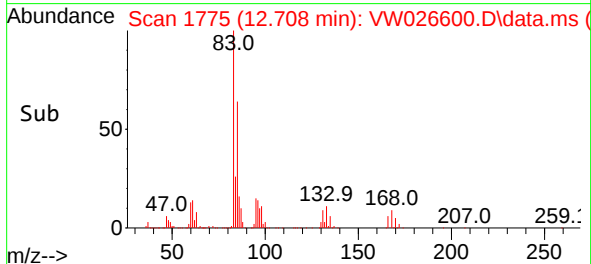
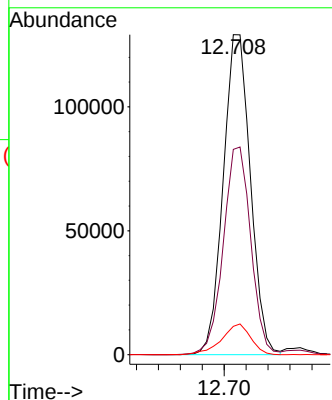
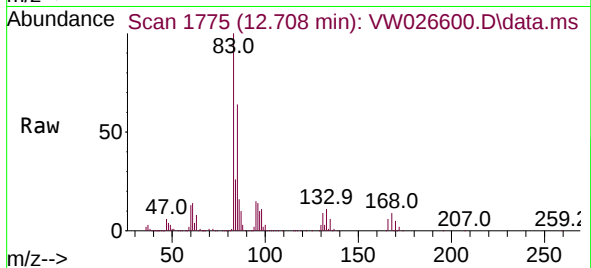
Tgt Ion: 83 Resp: 222687

Ion Ratio Lower Upper

83 100

85 64.2 46.2 85.8

131 8.9 7.2 10.8



#59

Bromoform

Concen: 22.926 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

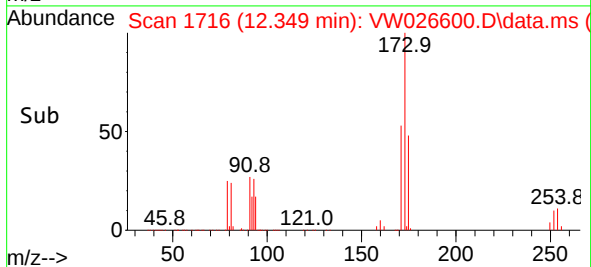
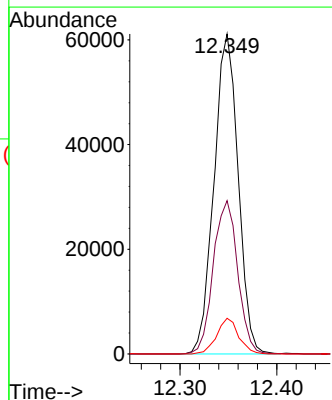
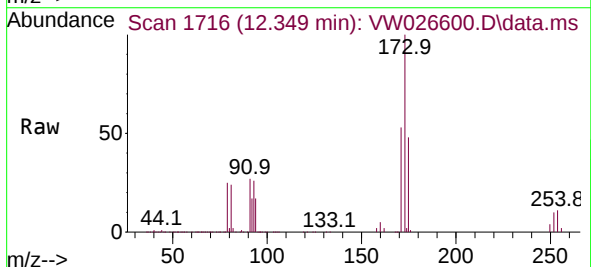
Tgt Ion:173 Resp: 105865

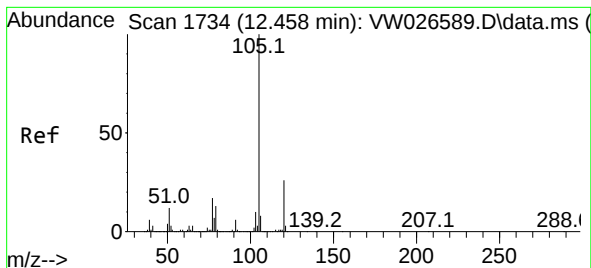
Ion Ratio Lower Upper

173 100

175 48.5 36.6 54.8

254 10.1 7.8 11.6

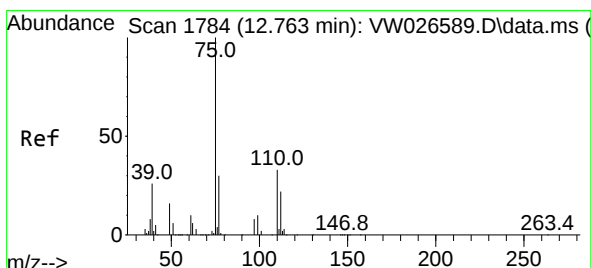
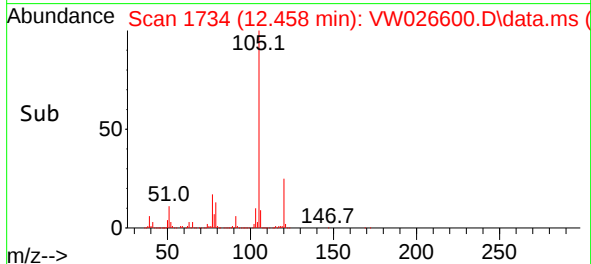
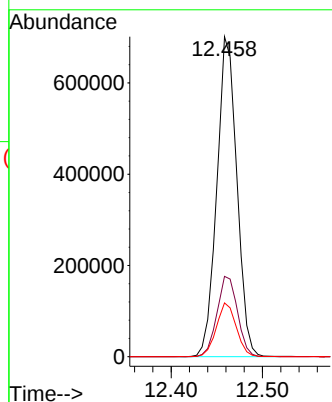
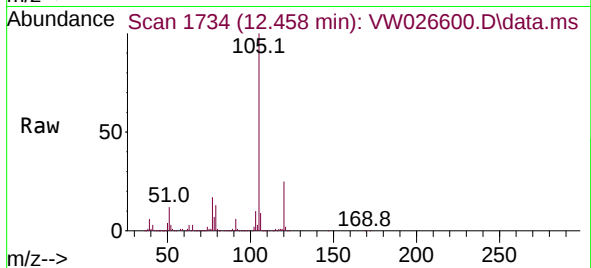




#60
Isopropylbenzene
Concen: 23.665 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

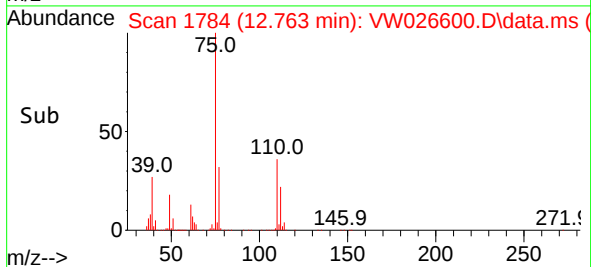
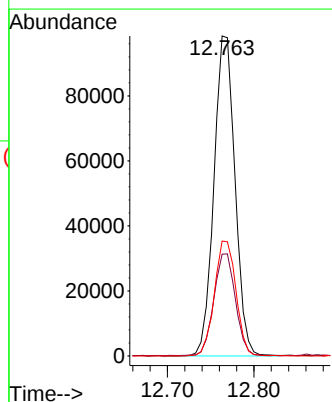
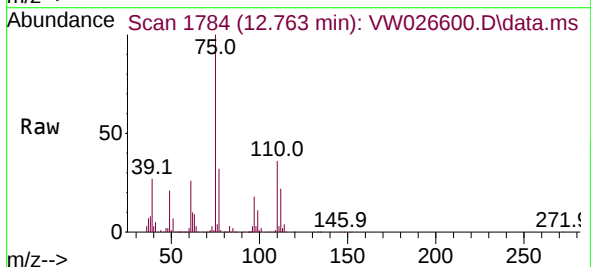
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

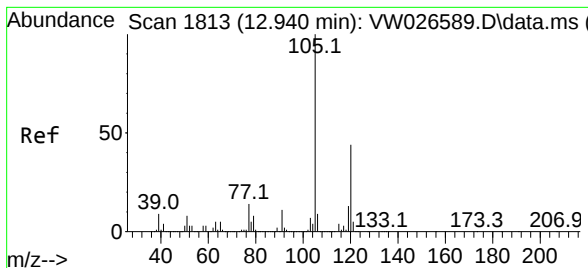
Tgt Ion:105 Resp: 1069035
Ion Ratio Lower Upper
105 100
120 25.7 20.5 30.7
77 16.8 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 21.120 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 75 Resp: 166555
Ion Ratio Lower Upper
75 100
77 32.8 25.7 38.5
110 36.7 28.3 42.5

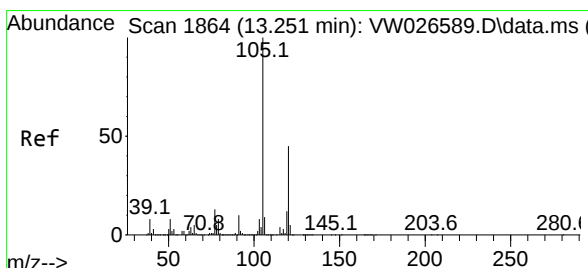
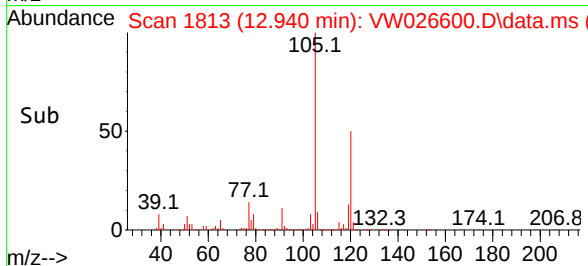
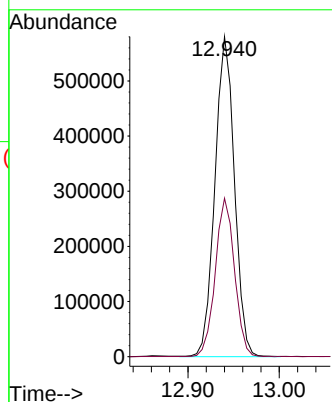
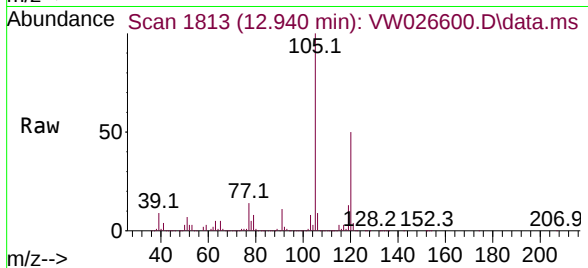




#62
1,3,5-Trimethylbenzene
Concen: 24.864 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

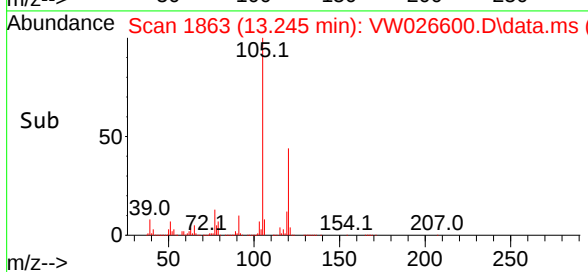
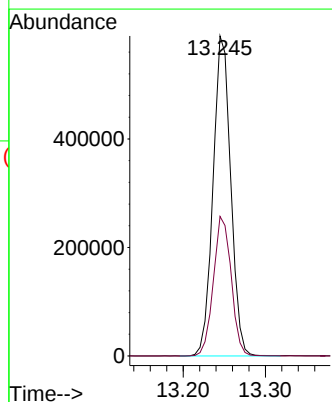
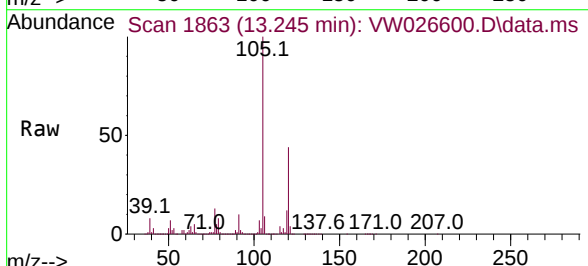
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

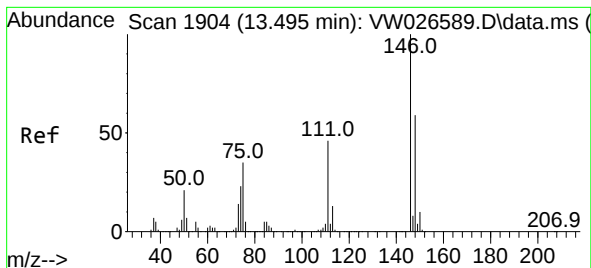
Tgt Ion:105 Resp: 861469
Ion Ratio Lower Upper
105 100
120 48.8 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 25.671 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion:105 Resp: 881845
Ion Ratio Lower Upper
105 100
120 43.9 35.2 52.8





#64

1,3-Dichlorobenzene

Concen: 23.506 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025556

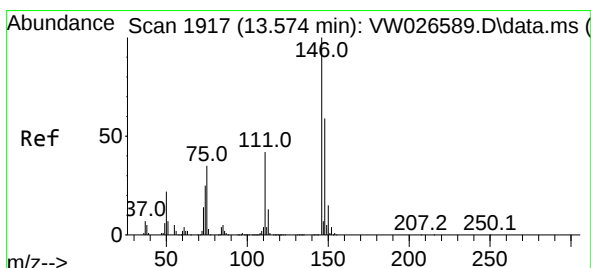
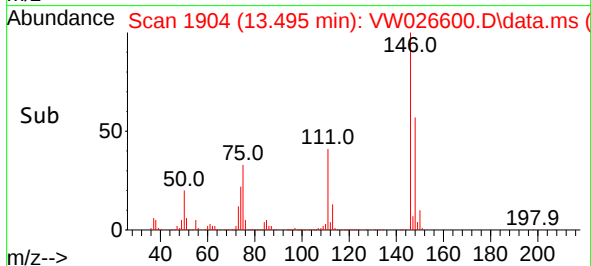
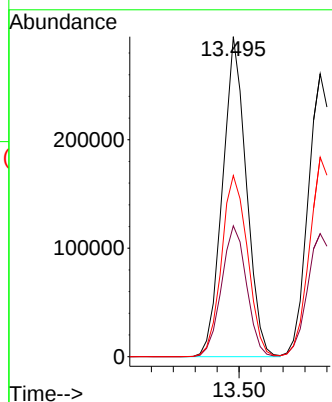
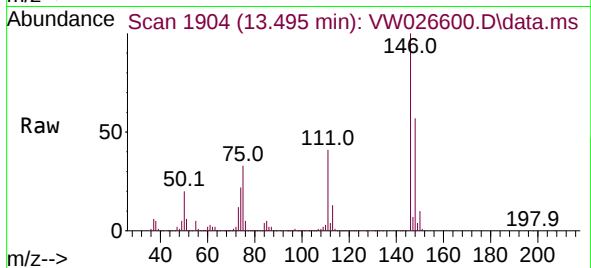
Tgt Ion:146 Resp: 445558

Ion Ratio Lower Upper

146 100

111 40.9 30.4 56.4

148 56.6 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 22.919 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

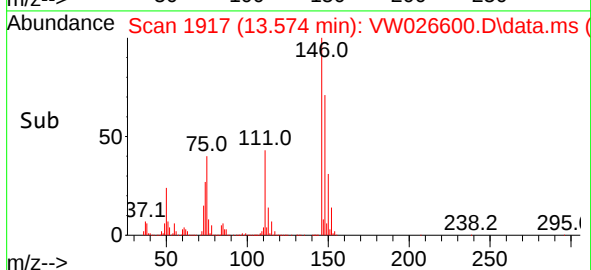
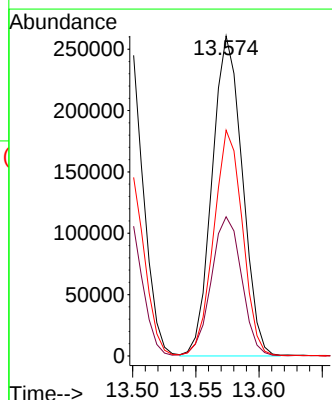
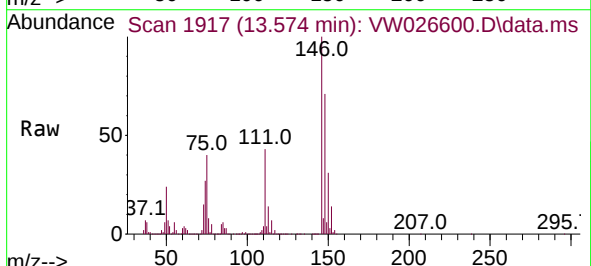
Tgt Ion:146 Resp: 433271

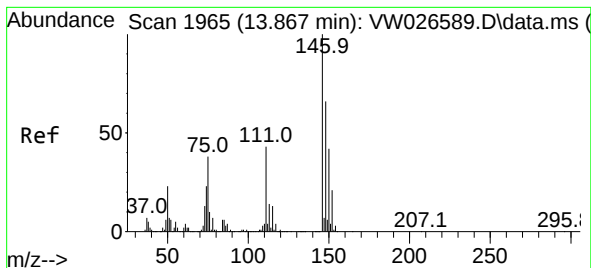
Ion Ratio Lower Upper

146 100

111 43.5 29.7 55.1

148 70.5 45.4 84.4

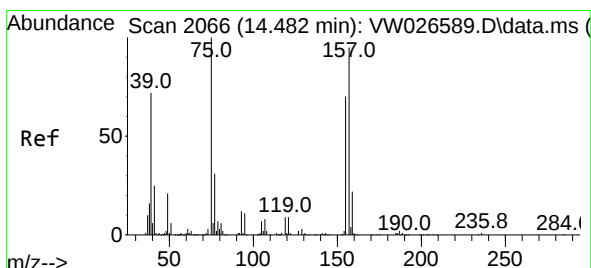
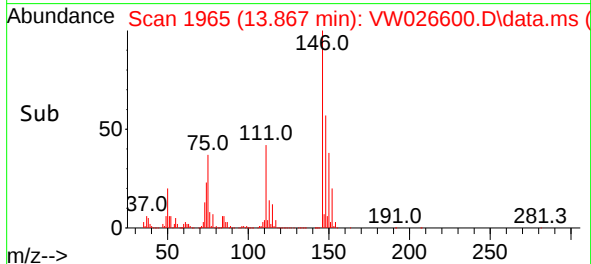
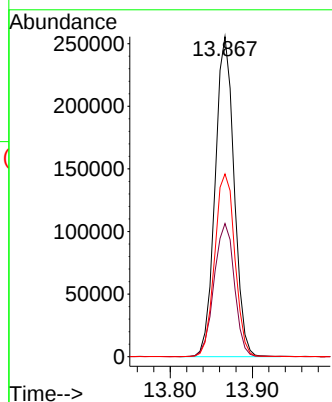
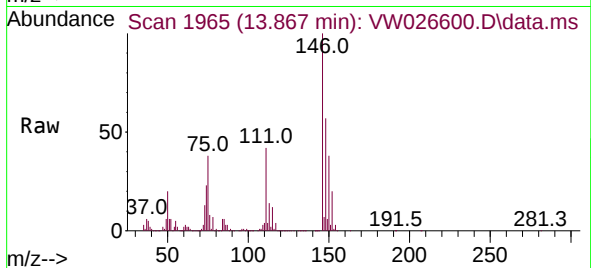




#67
1,2-Dichlorobenzene
Concen: 24.419 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

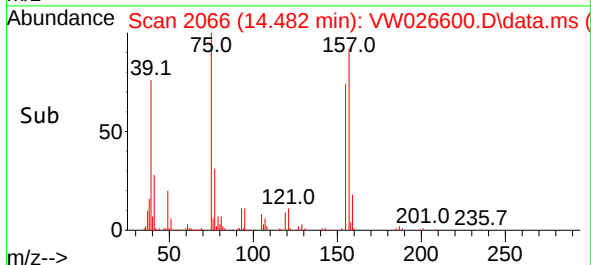
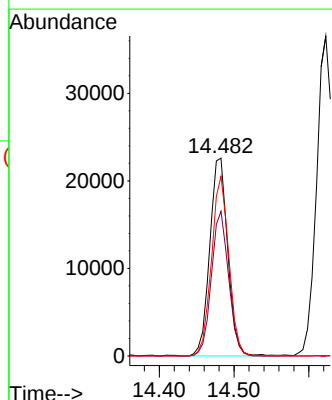
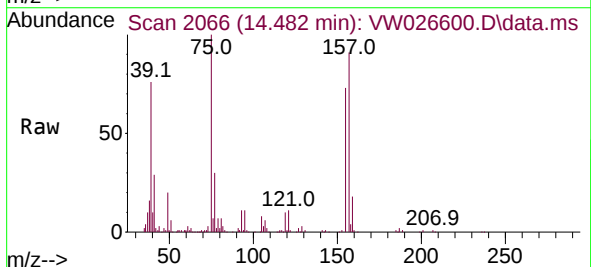
Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

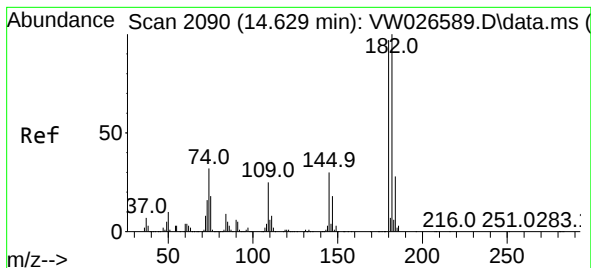
Tgt Ion:146 Resp: 409642
Ion Ratio Lower Upper
146 100
111 41.6 31.8 47.8
148 57.1 46.9 70.3



#68
1,2-Dibromo-3-chloropropane
Concen: 20.132 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion: 75 Resp: 37786
Ion Ratio Lower Upper
75 100
155 73.2 49.1 73.7
157 90.8 60.6 90.8





#69

1,3,5-Trichlorobenzene

Concen: 22.489 ug/L

RT: 14.629 min Scan# 2090

Delta R.T. 0.006 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD025556

Tgt Ion:180 Resp: 282103

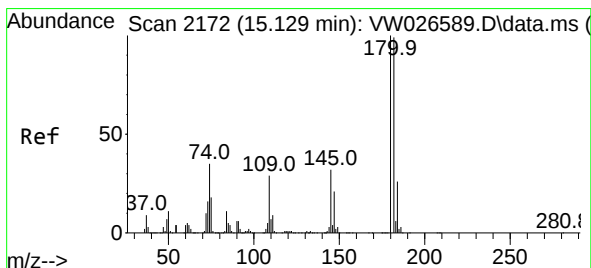
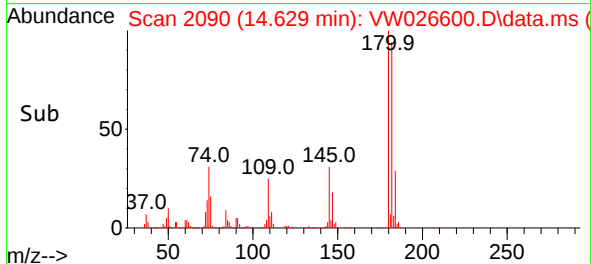
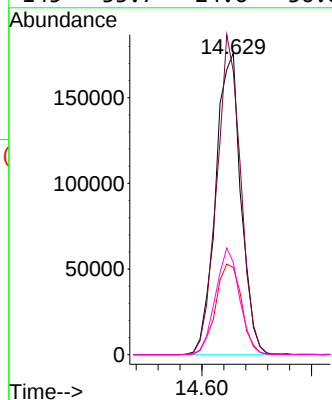
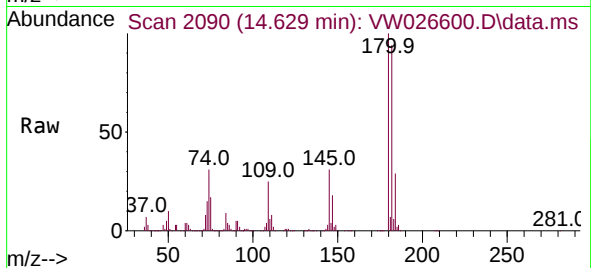
Ion Ratio Lower Upper

180 100

182 100.3 75.8 113.6

184 31.0 23.7 35.5

145 33.7 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 24.405 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026600.D

Acq: 12 Jul 2023 09:22

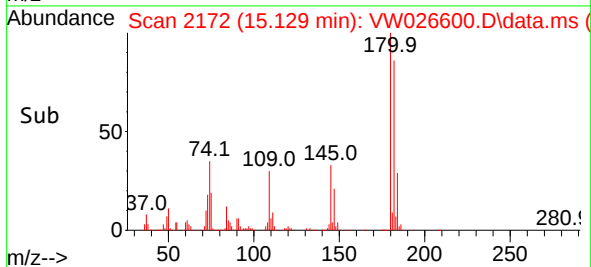
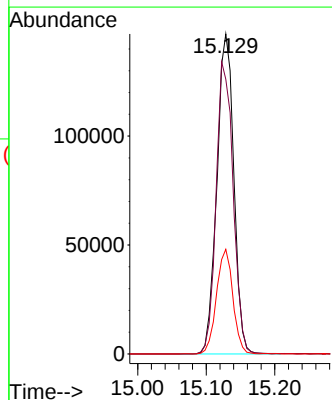
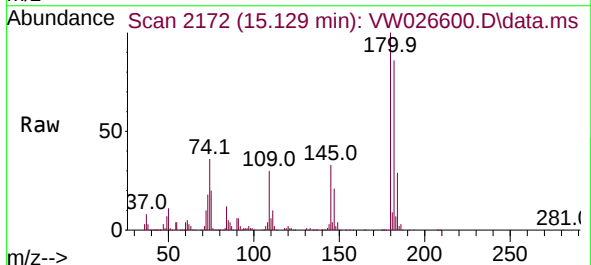
Tgt Ion:180 Resp: 251223

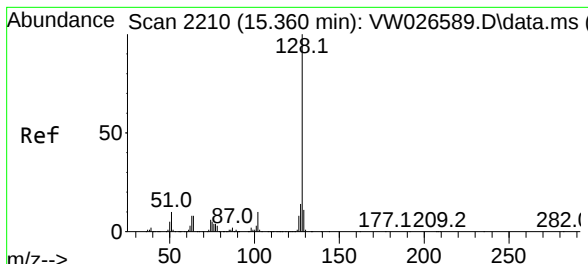
Ion Ratio Lower Upper

180 100

182 91.9 73.5 110.3

145 31.7 25.0 37.6



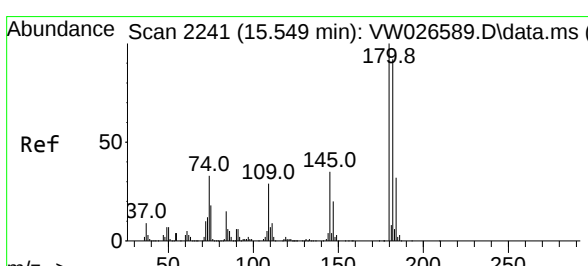
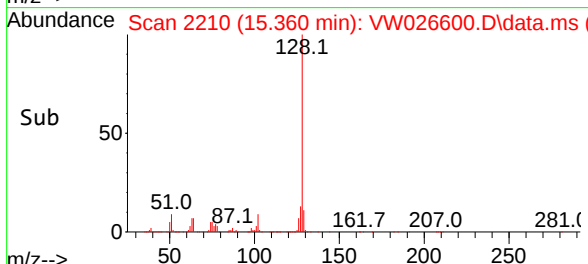
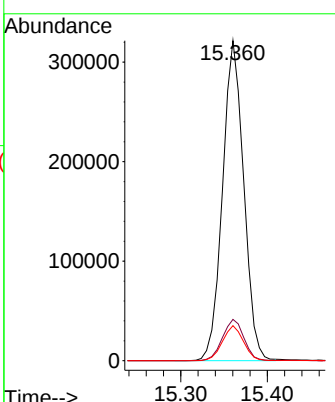
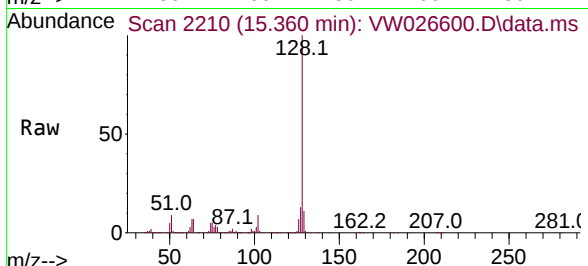


#71
Naphthalene
Concen: 23.442 ug/L
RT: 15.360 min Scan# 211
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD025556

Tgt Ion:128 Resp: 546470

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 23.959 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW026600.D
Acq: 12 Jul 2023 09:22

Tgt Ion:180 Resp: 232181

Ion	Ratio	Lower	Upper
180	100		
182	92.3	75.2	112.8
145	34.5	26.6	40.0

