

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020323\
 Data File : VW025284.D
 Acq On : 03 Feb 2023 17:39
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025527

Quant Time: Feb 03 21:54:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 03 11:28:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	376434	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	330560	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	163906	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.367	65	91980	25.251	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.000%
7) Chloroethane-d5	2.904	69	77717	24.028	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.120%
11) 1,1-Dichloroethene-d2	4.025	63	228601	22.632	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.520%
21) 2-Butanone-d5	7.074	46	52456	55.472	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.940%
24) Chloroform-d	7.653	84	236128	23.932	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.720%
26) 1,2-Dichloroethane-d4	8.305	65	120757	25.126	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.520%
32) Benzene-d6	8.275	84	465635	23.241	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.960%
36) 1,2-Dichloropropane-d6	9.275	67	134295	22.910	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.640%
41) Toluene-d8	10.323	98	429118	23.961	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.840%
43) trans-1,3-Dichloroprop...	10.573	79	58554	26.732	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.920%
47) 2-Hexanone-d5	10.921	63	44109	67.112	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.220%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	103341	25.923	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.680%
66) 1,2-Dichlorobenzene-d4	13.853	152	135893	23.897	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.020	85	100556	19.741	ug/L	98
3) Chloromethane	2.227	50	113225	23.158	ug/L	98
5) Vinyl chloride	2.373	62	124096	24.921	ug/L	100
6) Bromomethane	2.788	94	80281	23.546	ug/L	96
8) Chloroethane	2.934	64	73846	23.756	ug/L	99
9) Trichlorofluoromethane	3.270	101	155264	21.677	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.080	101	123636	23.805	ug/L	97
12) 1,1-Dichloroethene	4.044	96	119509	23.180	ug/L	97
13) Acetone	4.123	43	48435	46.452	ug/L	98
14) Carbon disulfide	4.391	76	384109	22.798	ug/L	100
15) Methyl Acetate	4.672	43	45001	25.222	ug/L	100
16) Methylene chloride	4.916	84	135259	21.108	ug/L	95
17) trans-1,2-Dichloroethene	5.434	96	125614	22.687	ug/L	99
18) Methyl tert-butyl Ether	5.422	73	196925	24.741	ug/L	100
19) 1,1-Dichloroethane	6.220	63	228723	23.200	ug/L	99
20) cis-1,2-Dichloroethene	7.171	96	137030	23.571	ug/L	99
22) 2-Butanone	7.171	43	60850	47.990	ug/L	99
23) Bromochloromethane	7.519	128	56204	23.471	ug/L	98
25) Chloroform	7.677	83	237335	23.403	ug/L	95

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 Response via : Initial Calibration

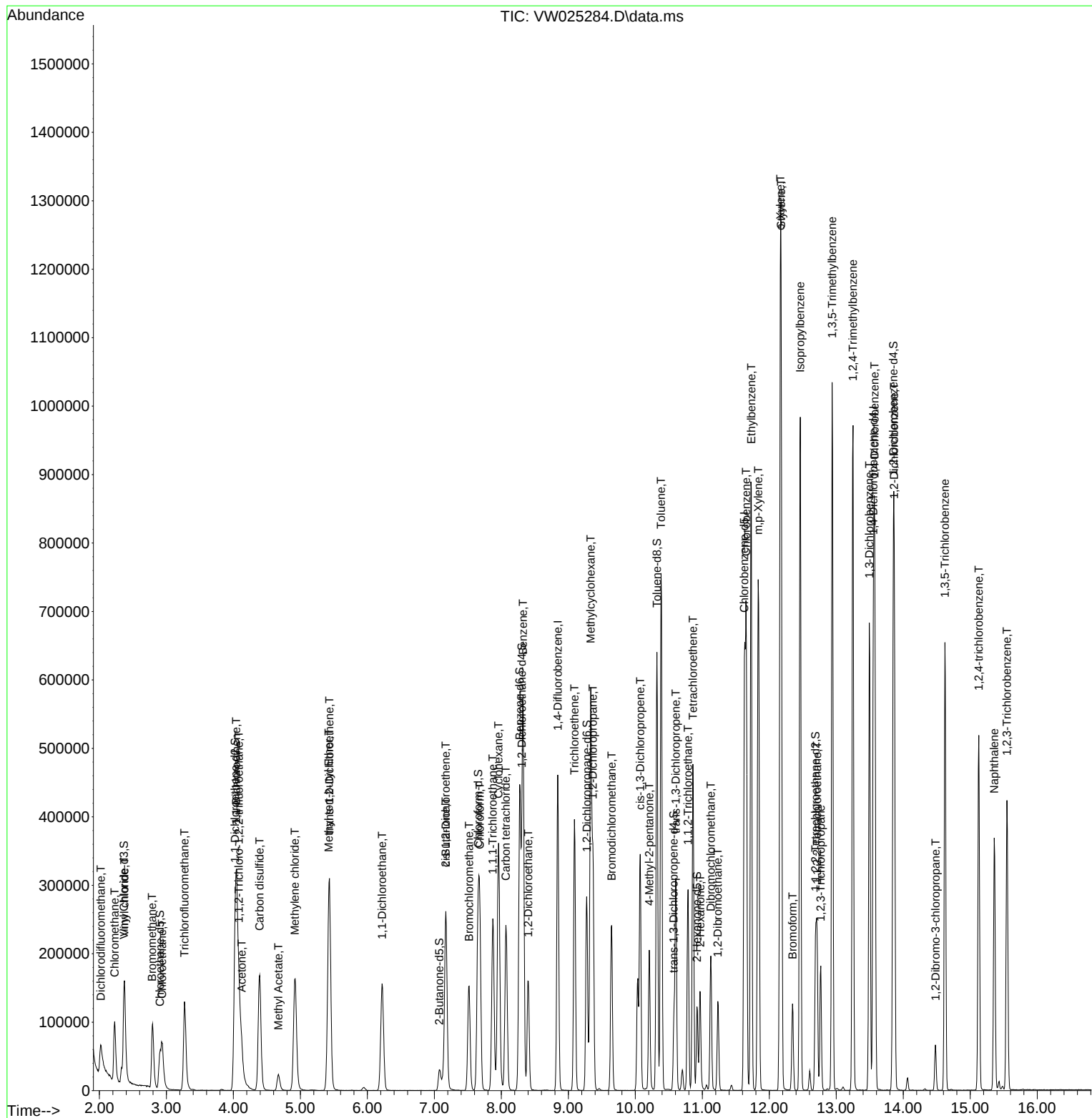
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	155272	25.139	ug/L	100
29) Cyclohexane	7.958	56	211221	22.188	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	209210	22.313	ug/L	100
31) Carbon tetrachloride	8.067	117	189773	21.882	ug/L	100
33) Benzene	8.323	78	513349	22.441	ug/L	100
34) Trichloroethene	9.092	95	139669	21.798	ug/L	99
35) Methylcyclohexane	9.335	83	245707	21.483	ug/L	99
37) 1,2-Dichloropropane	9.366	63	125554	22.254	ug/L	99
38) Bromodichloromethane	9.646	83	165354	22.042	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	204598	22.148	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	126664	50.847	ug/L	99
42) Toluene	10.384	91	557508	24.508	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	173464	26.343	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	92533	26.023	ug/L	92
46) Tetrachloroethene	10.860	164	100995	24.664	ug/L	95
48) 2-Hexanone	10.969	43	87829	55.848	ug/L	96
49) Dibromochloromethane	11.128	129	102715	25.576	ug/L	90
50) 1,2-Dibromoethane	11.232	107	88363	27.128	ug/L	97
51) Chlorobenzene	11.652	112	347524	23.214	ug/L	98
52) Ethylbenzene	11.731	91	642221	23.563	ug/L	100
53) m,p-Xylene	11.835	106	247584	23.968	ug/L	98
54) o-Xylene	12.164	106	231814	22.293	ug/L	93
55) Styrene	12.176	104	398850	22.653	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.713	83	105902	24.996	ug/L	95
59) Bromoform	12.347	173	58612	25.204	ug/L	99
60) Isopropylbenzene	12.463	105	648831	23.374	ug/L	100
61) 1,2,3-Trichloropropane	12.768	75	75172	25.795	ug/L	99
62) 1,3,5-Trimethylbenzene	12.939	105	551145	24.629	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	534230	23.825	ug/L	100
64) 1,3-Dichlorobenzene	13.493	146	266536	23.176	ug/L	97
65) 1,4-Dichlorobenzene	13.573	146	270663	23.850	ug/L	99
67) 1,2-Dichlorobenzene	13.865	146	240614	24.278	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	17970	26.401	ug/L	92
69) 1,3,5-Trichlorobenzene	14.621	180	187479	25.068	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	160823	26.409	ug/L	95
71) Naphthalene	15.359	128	313301	28.143	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	136142	26.037	ug/L	97

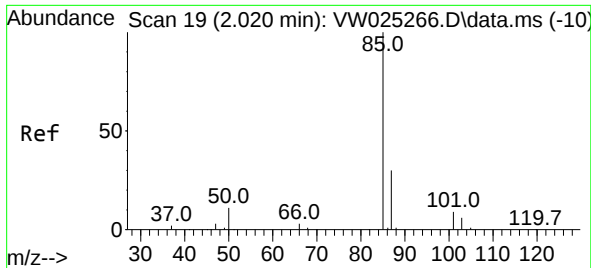
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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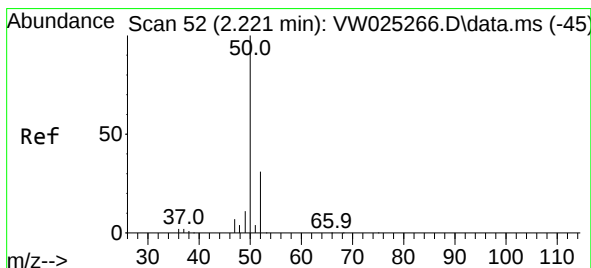
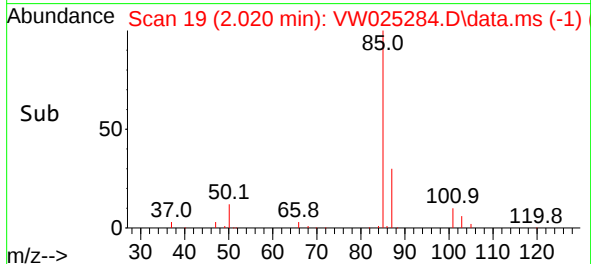
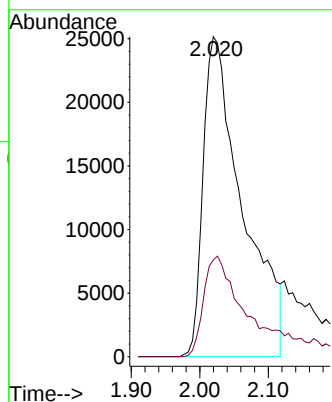
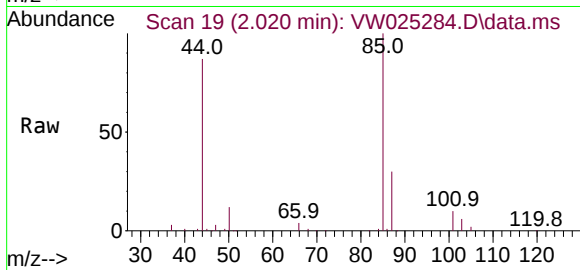




#2
 Dichlorodifluoromethane
 Concen: 19.741 ug/L
 RT: 2.020 min Scan# 19
 Delta R.T. -0.000 min
 Lab File: VW025284.D
 Acq: 03 Feb 2023 17:39

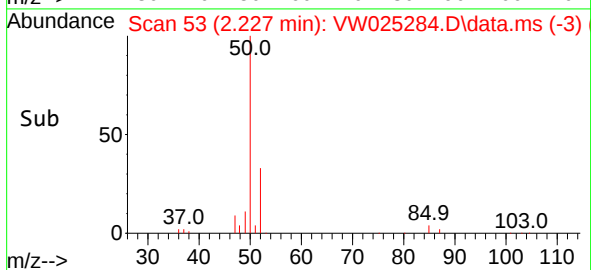
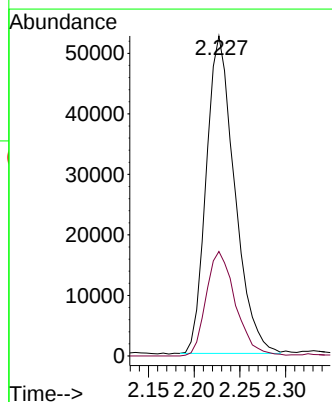
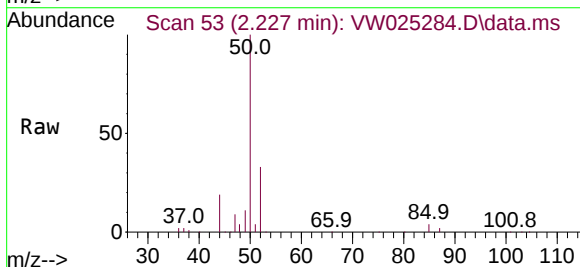
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 ClientSampleId :
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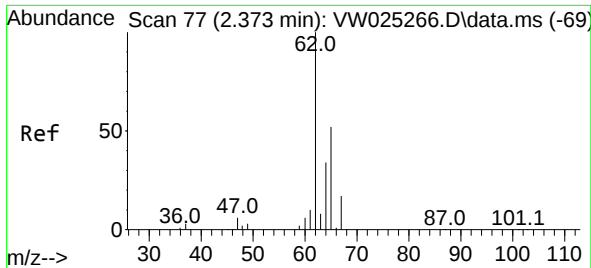
Tgt Ion: 85 Resp: 100556
 Ion Ratio Lower Upper
 85 100
 87 27.8 23.3 34.9



#3
 Chloromethane
 Concen: 23.158 ug/L
 RT: 2.227 min Scan# 53
 Delta R.T. 0.006 min
 Lab File: VW025284.D
 Acq: 03 Feb 2023 17:39

Tgt Ion: 50 Resp: 113225
 Ion Ratio Lower Upper
 50 100
 52 32.7 22.0 40.8

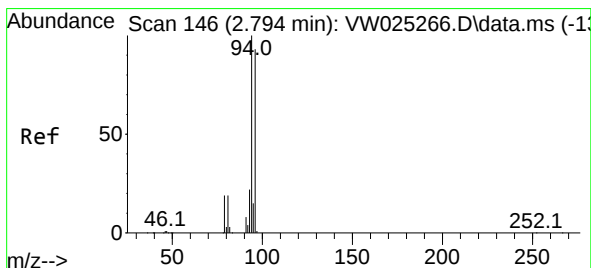
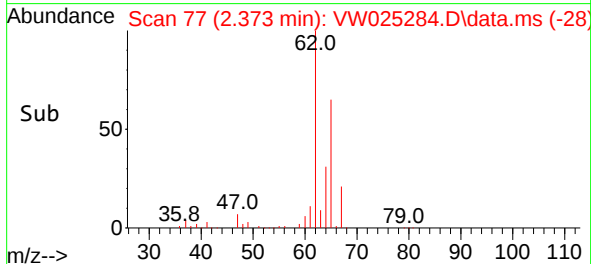
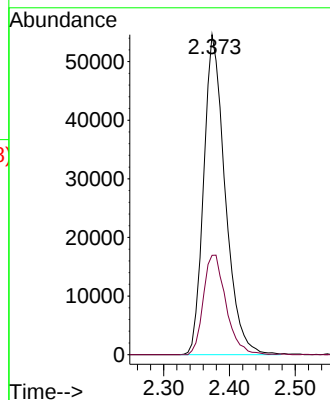
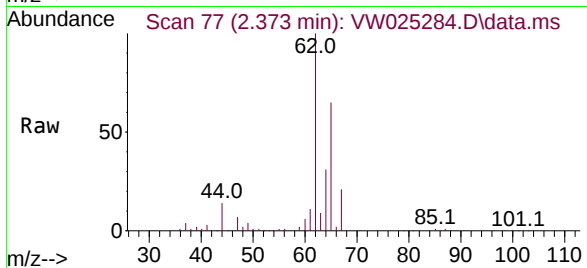




#5
 Vinyl chloride
 Concen: 24.921 ug/L
 RT: 2.373 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VW025284.D
 Acq: 03 Feb 2023 17:39

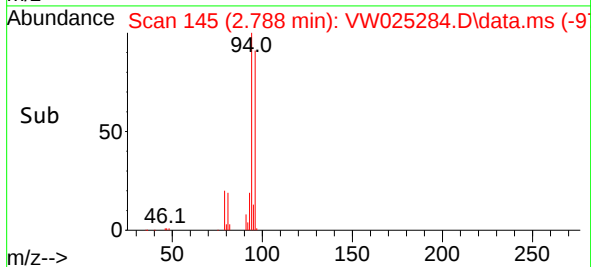
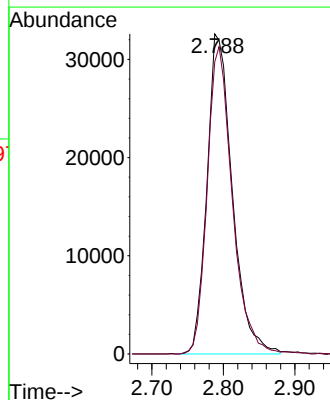
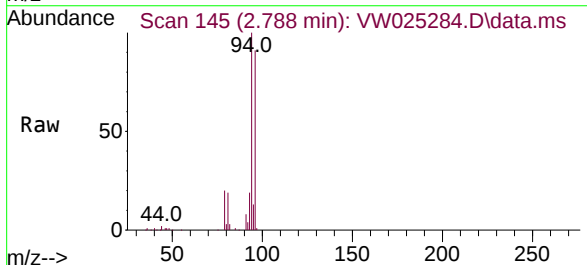
Instrument :
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 ClientSampleId :
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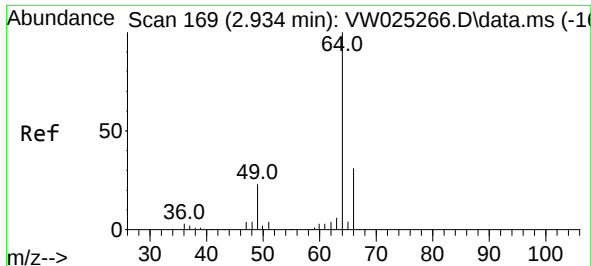
Tgt Ion: 62 Resp: 124096
 Ion Ratio Lower Upper
 62 100
 64 31.1 21.8 40.6



#6
 Bromomethane
 Concen: 23.546 ug/L
 RT: 2.788 min Scan# 145
 Delta R.T. -0.006 min
 Lab File: VW025284.D
 Acq: 03 Feb 2023 17:39

Tgt Ion: 94 Resp: 80281
 Ion Ratio Lower Upper
 94 100
 96 91.2 66.3 123.1

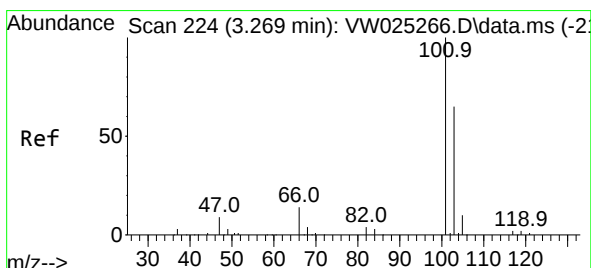
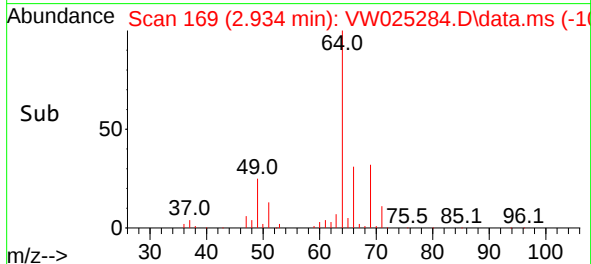
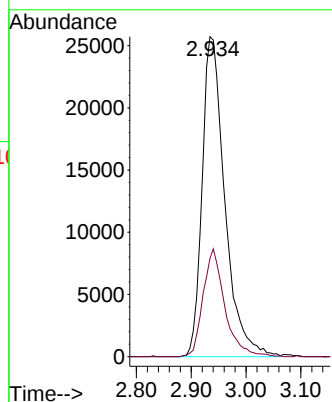
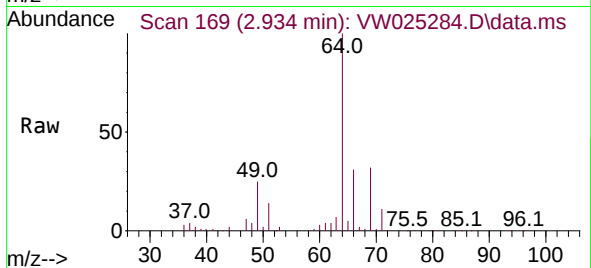




#8
Chloroethane
Concen: 23.756 ug/L
RT: 2.934 min Scan# 169
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

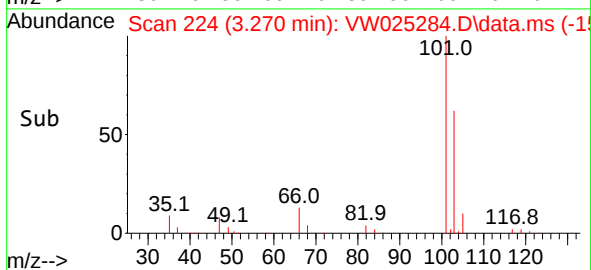
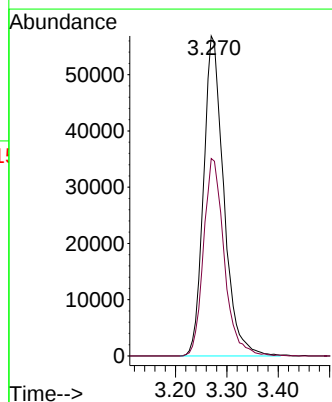
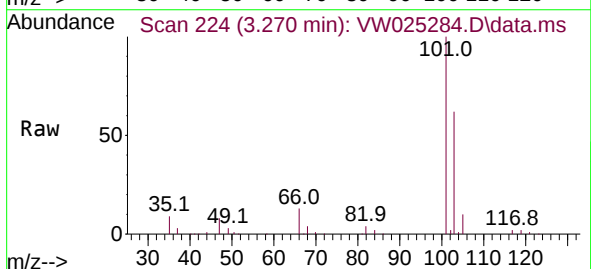
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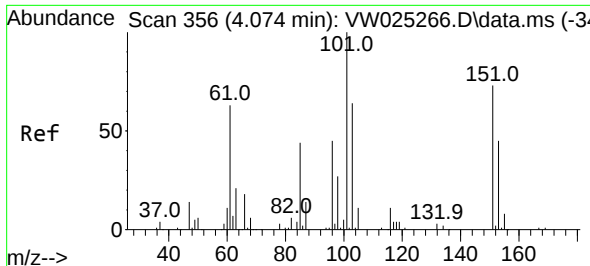
Tgt Ion: 64 Resp: 73846
Ion Ratio Lower Upper
64 100
66 30.7 21.9 40.7



#9
Trichlorofluoromethane
Concen: 21.677 ug/L
RT: 3.270 min Scan# 224
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion:101 Resp: 155264
Ion Ratio Lower Upper
101 100
103 62.8 52.4 78.6

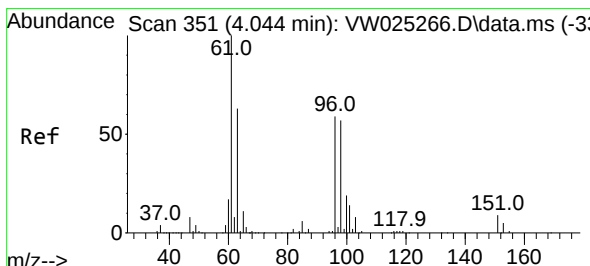
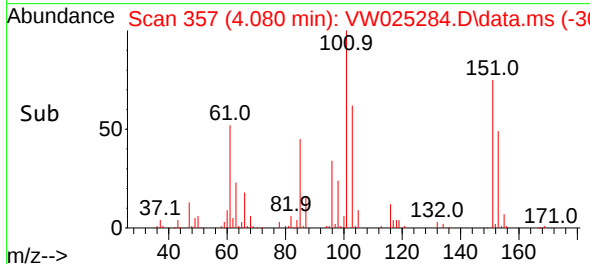
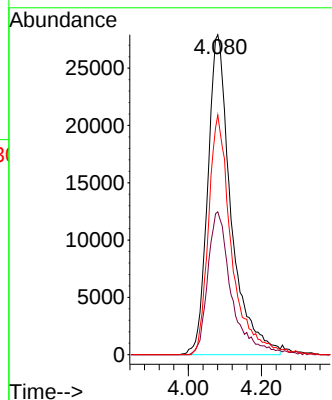
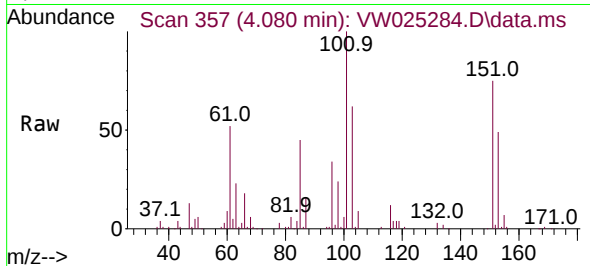




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.805 ug/L
 RT: 4.080 min Scan# 357
 Delta R.T. 0.006 min
 Lab File: VW025284.D
 Acq: 03 Feb 2023 17:39

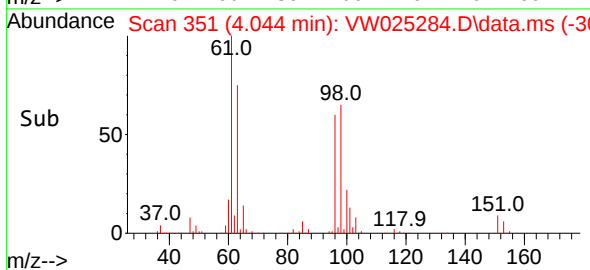
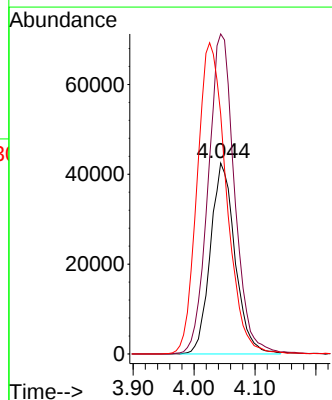
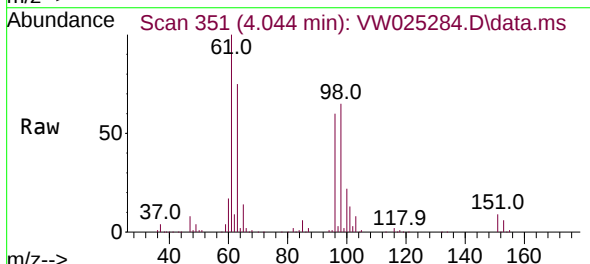
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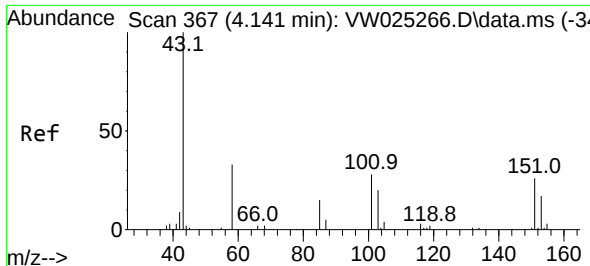
Tgt Ion:101 Resp: 123636
 Ion Ratio Lower Upper
 101 100
 85 43.9 32.8 49.2
 151 67.1 54.7 82.1



#12
 1,1-Dichloroethene
 Concen: 23.180 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.000 min
 Lab File: VW025284.D
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Tgt Ion: 96 Resp: 119509
 Ion Ratio Lower Upper
 96 100
 61 167.7 120.8 224.4
 63 125.8 85.7 159.1

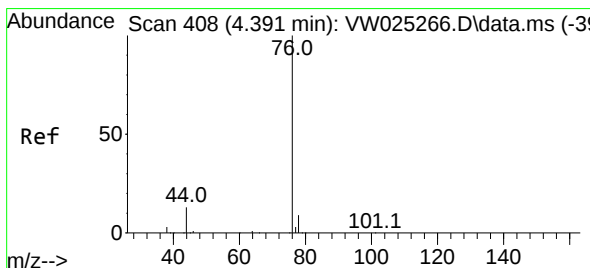
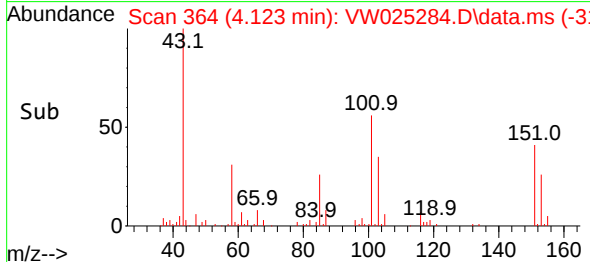
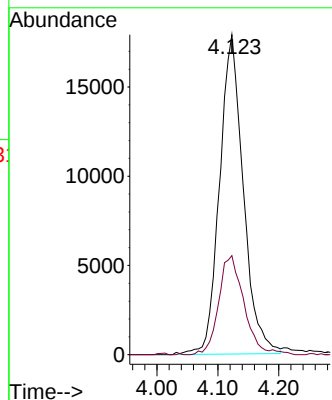
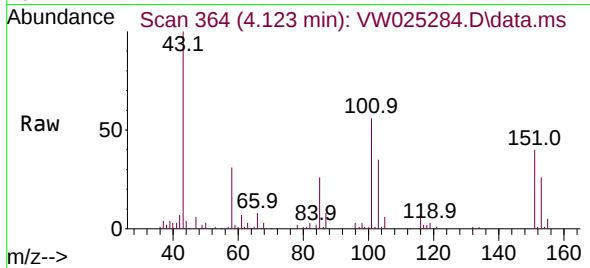




#13
Acetone
Concen: 46.452 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.018 min
Lab File: VW025284.D
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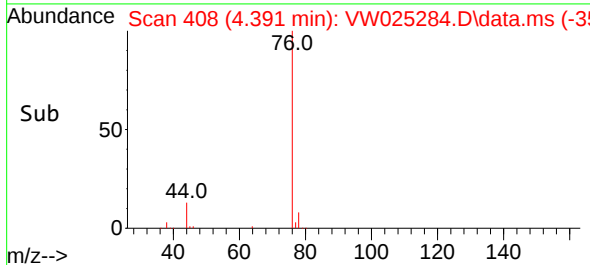
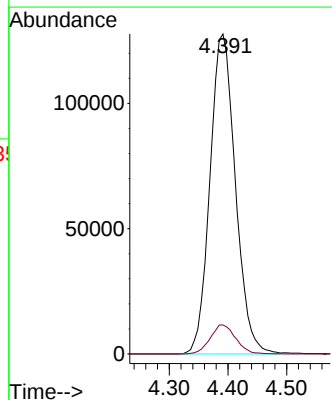
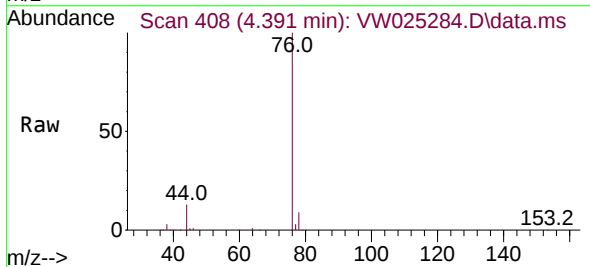
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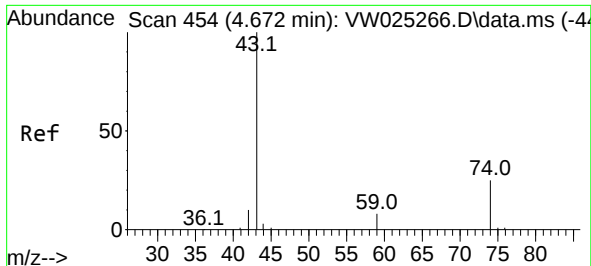
Tgt Ion: 43 Resp: 48435
Ion Ratio Lower Upper
43 100
58 32.4 0.0 63.0



#14
Carbon disulfide
Concen: 22.798 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 384109
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

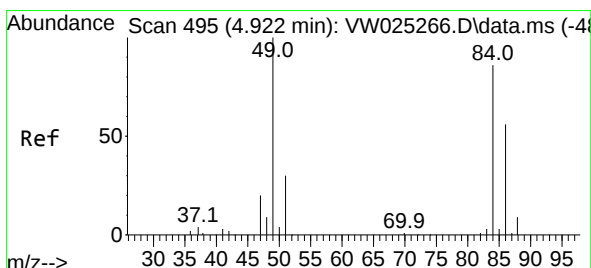
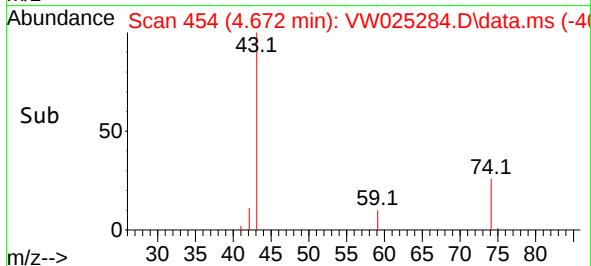
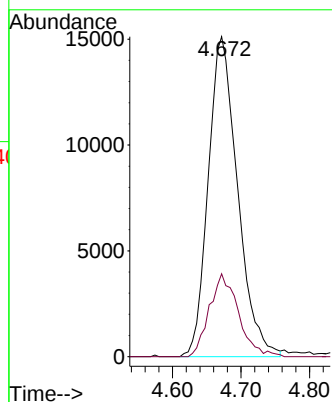
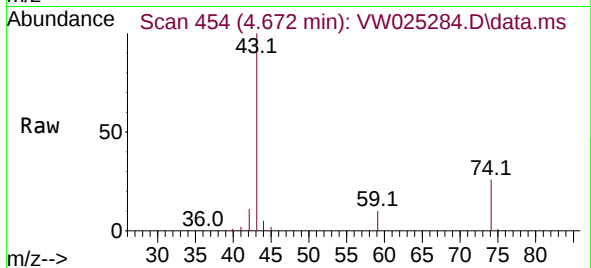




#15
Methyl Acetate
Concen: 25.222 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

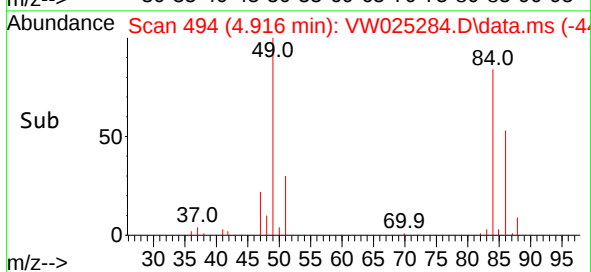
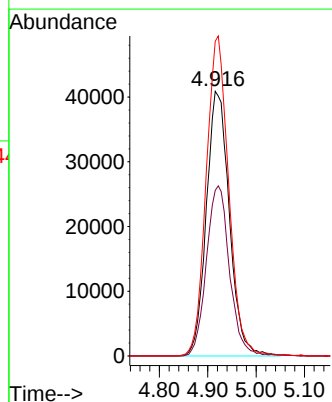
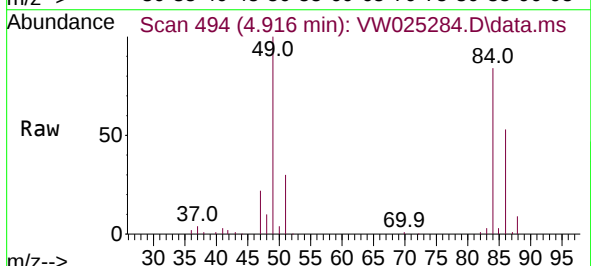
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

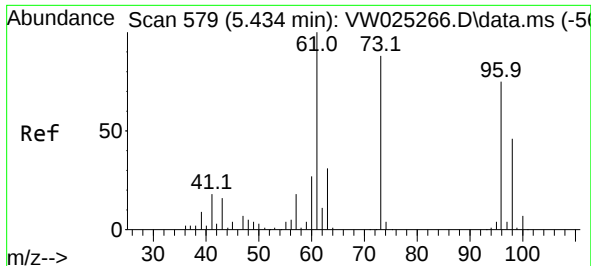
Tgt Ion: 43 Resp: 45001
Ion Ratio Lower Upper
43 100
74 25.1 20.2 30.2



#16
Methylene chloride
Concen: 21.108 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 84 Resp: 135259
Ion Ratio Lower Upper
84 100
86 62.6 47.2 87.6
49 118.9 86.5 160.7

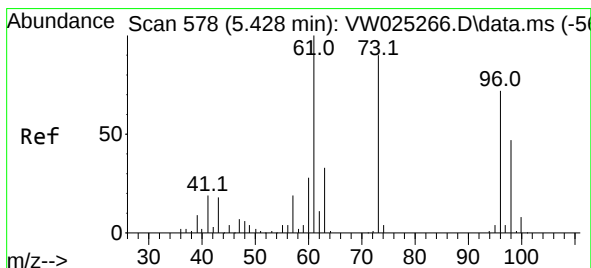
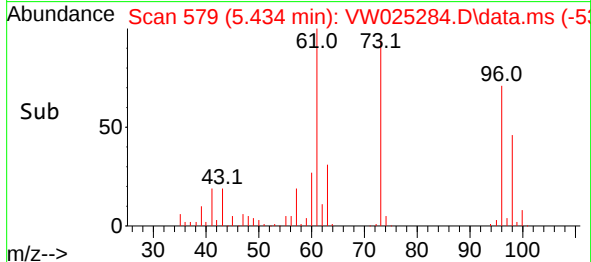
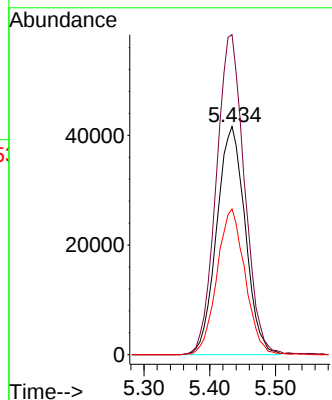
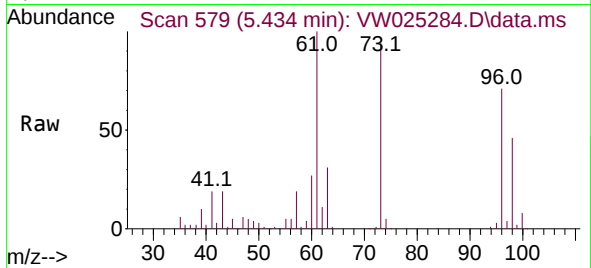




#17
trans-1,2-Dichloroethene
Concen: 22.687 ug/L
RT: 5.434 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

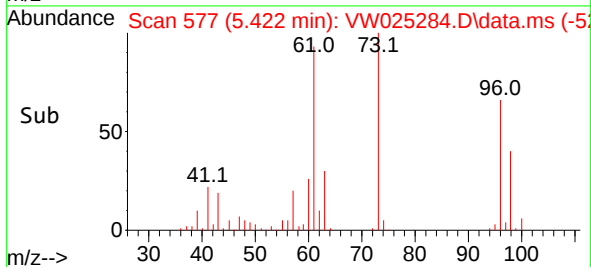
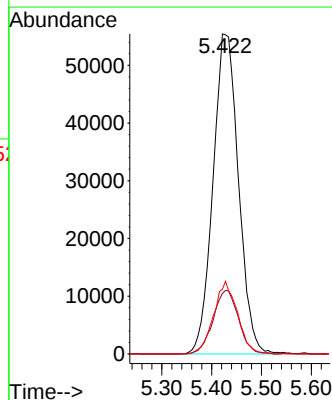
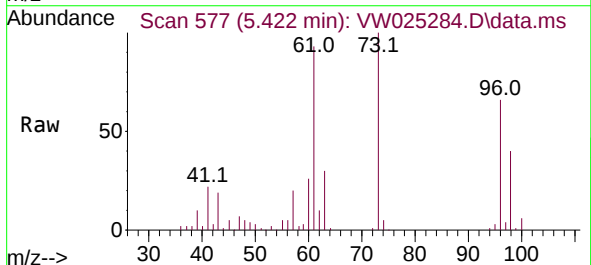
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

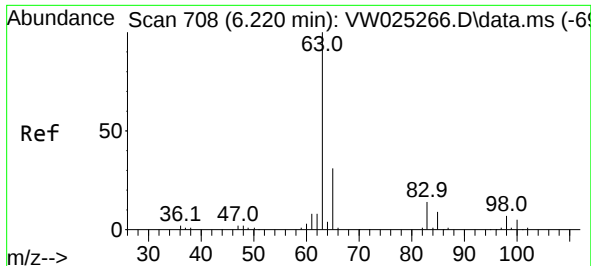
Tgt Ion: 96 Resp: 125614
Ion Ratio Lower Upper
96 100
61 140.2 98.4 182.8
98 63.9 43.5 80.9



#18
Methyl tert-butyl Ether
Concen: 24.741 ug/L
RT: 5.422 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 73 Resp: 196925
Ion Ratio Lower Upper
73 100
43 19.8 15.8 23.6
57 21.2 17.0 25.4





#19

1,1-Dichloroethane

Concen: 23.200 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025527

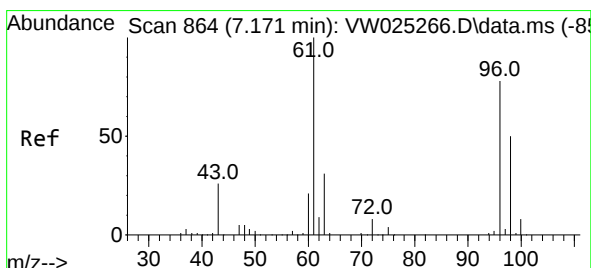
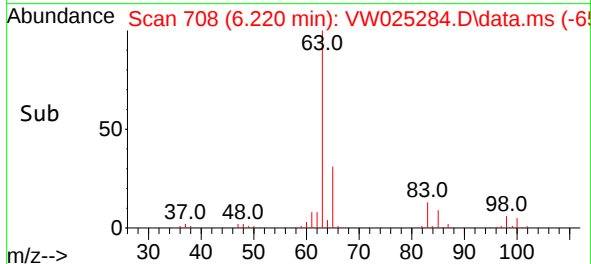
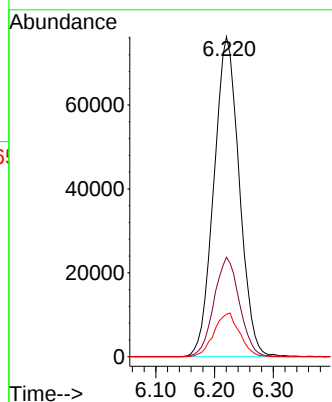
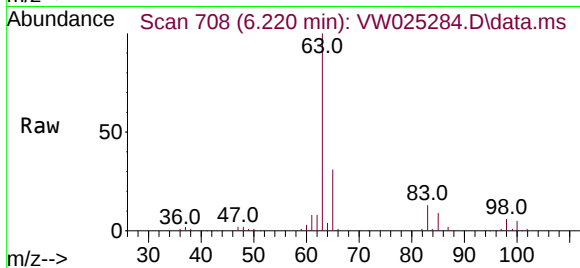
Tgt Ion: 63 Resp: 228723

Ion Ratio Lower Upper

63 100

65 31.1 22.0 41.0

83 13.3 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 23.571 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

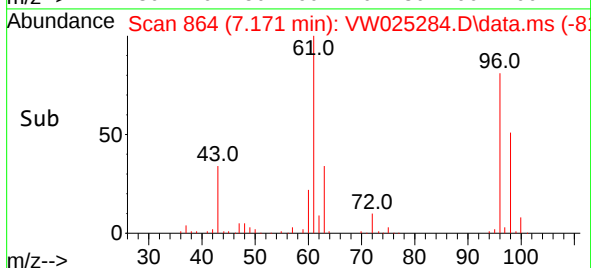
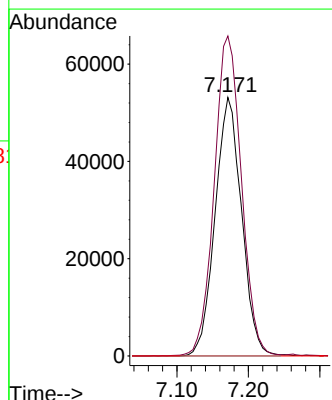
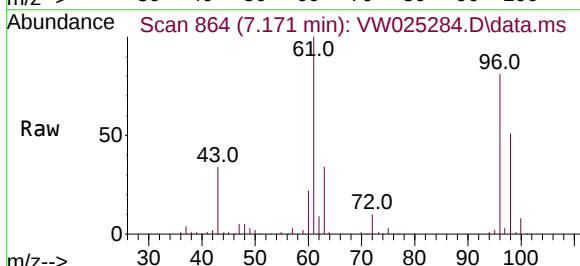
Tgt Ion: 96 Resp: 137030

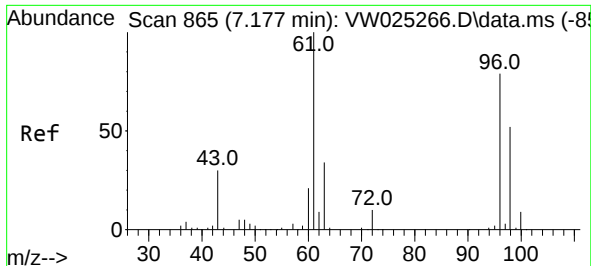
Ion Ratio Lower Upper

96 100

61 123.7 87.2 162.0

68 0.0 0.0 0.0

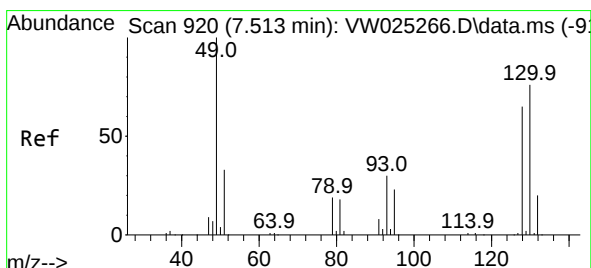
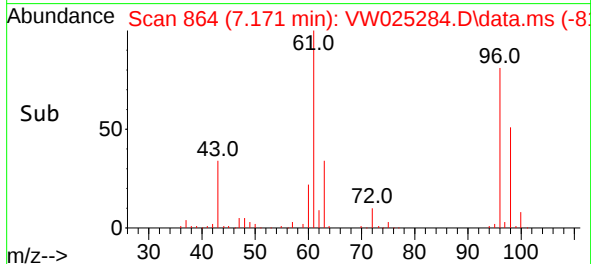
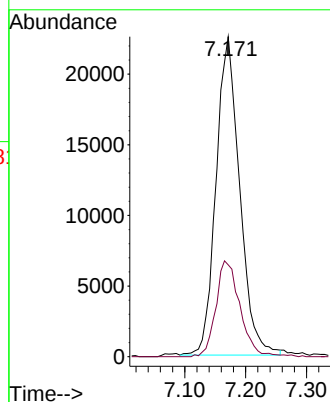
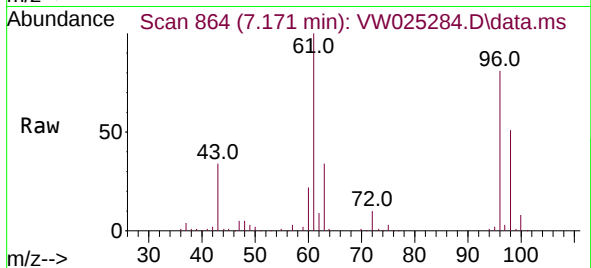




#22
2-Butanone
Concen: 47.990 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

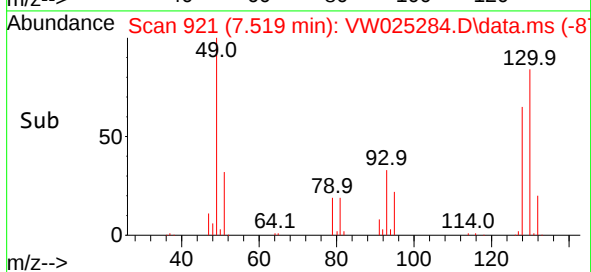
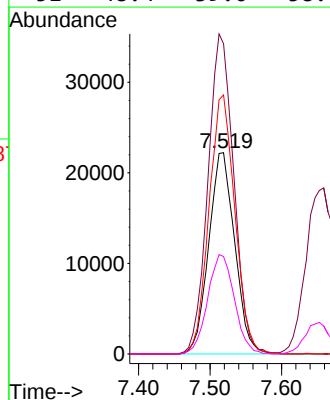
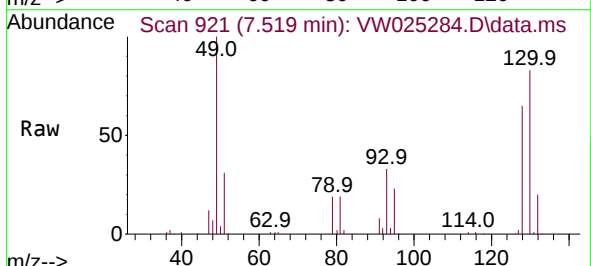
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

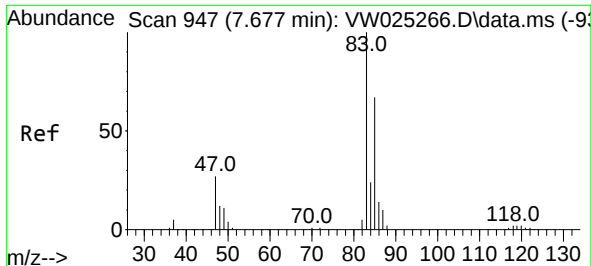
Tgt Ion: 43 Resp: 60850
Ion Ratio Lower Upper
43 100
72 30.1 15.2 45.6



#23
Bromochloromethane
Concen: 23.471 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 128 Resp: 56204
Ion Ratio Lower Upper
128 100
49 154.2 109.0 202.4
130 128.8 93.3 173.3
51 48.4 39.0 58.4

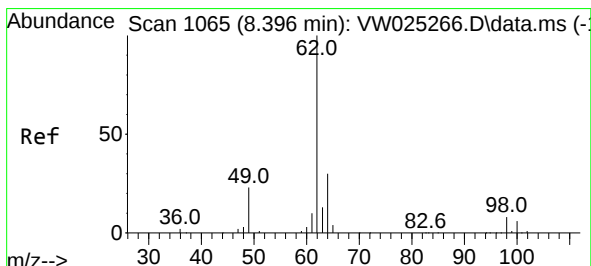
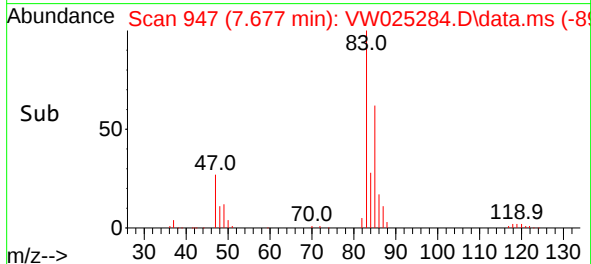
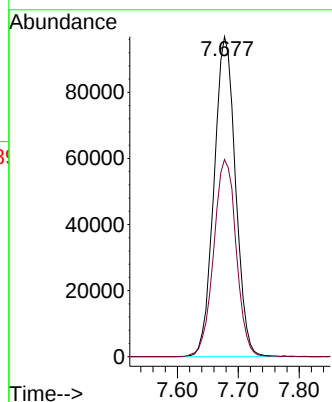
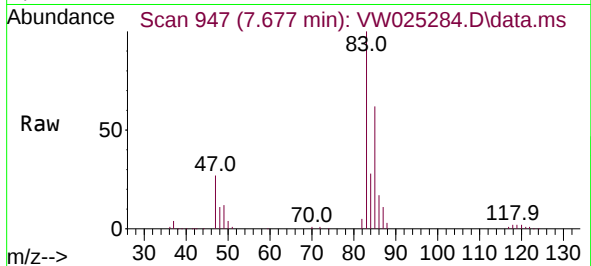




#25
Chloroform
Concen: 23.403 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

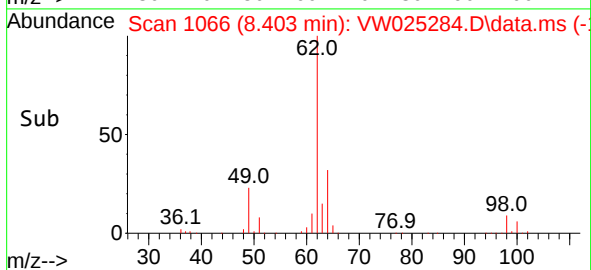
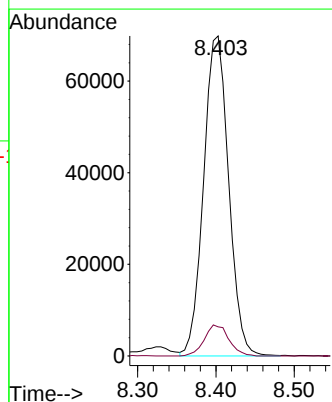
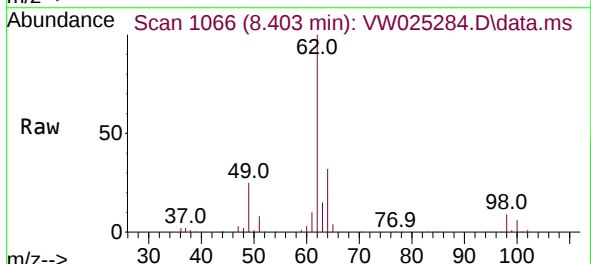
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

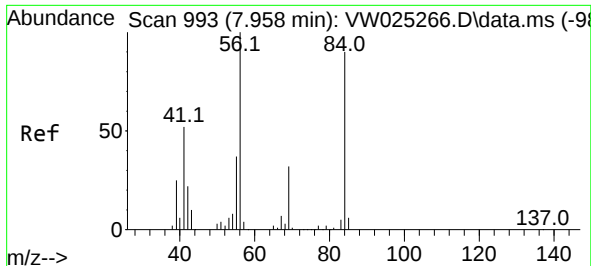
Tgt Ion: 83 Resp: 237335
Ion Ratio Lower Upper
83 100
85 61.6 45.8 85.0



#27
1,2-Dichloroethane
Concen: 25.139 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 62 Resp: 155272
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0





#29

Cyclohexane

Concen: 22.188 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025527

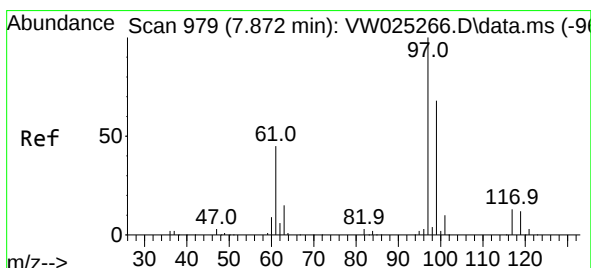
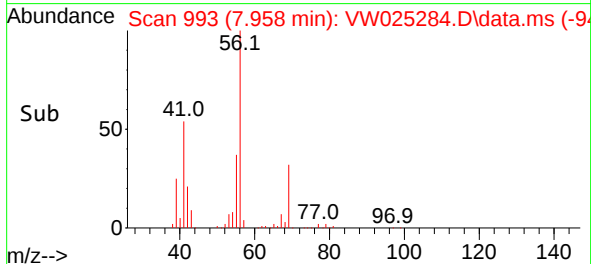
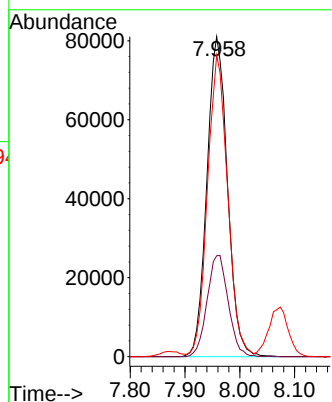
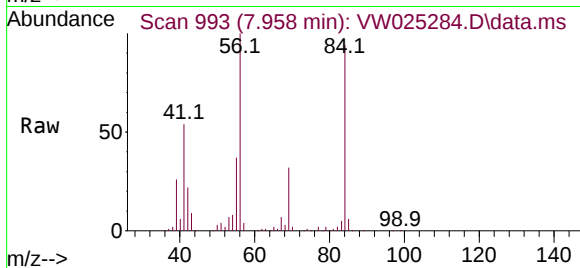
Tgt Ion: 56 Resp: 211221

Ion Ratio Lower Upper

56 100

69 32.5 25.1 37.7

84 92.3 73.2 109.8



#30

1,1,1-Trichloroethane

Concen: 22.313 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

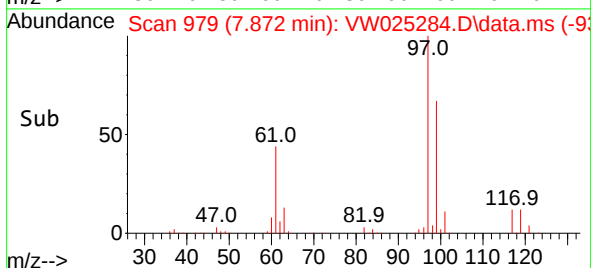
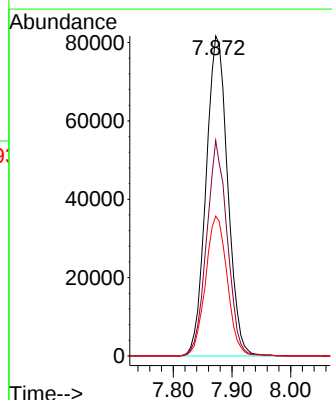
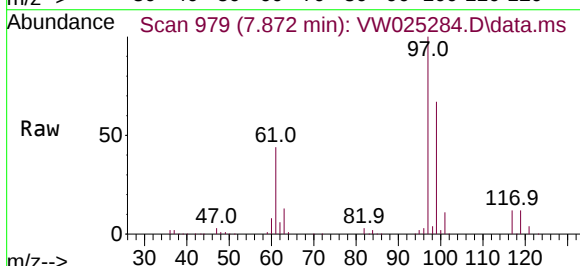
Tgt Ion: 97 Resp: 209210

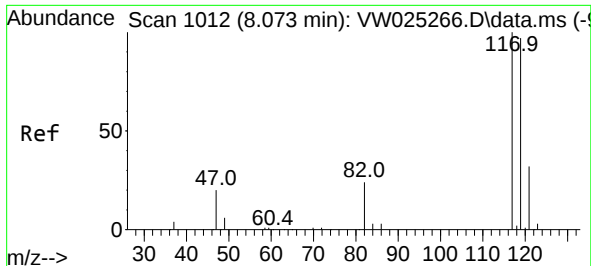
Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 43.8 35.0 52.6

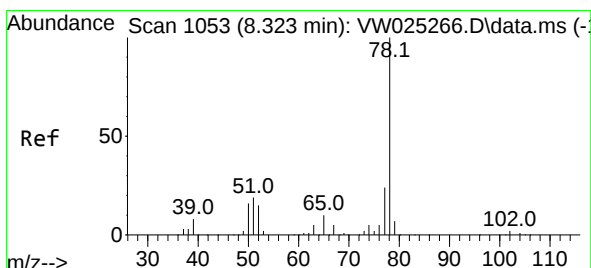
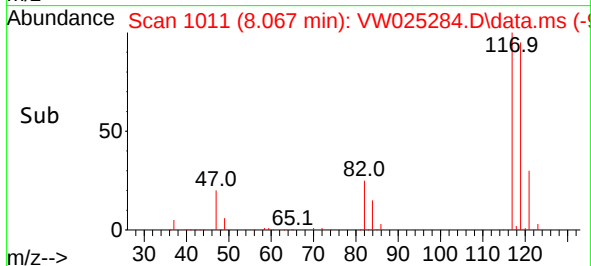
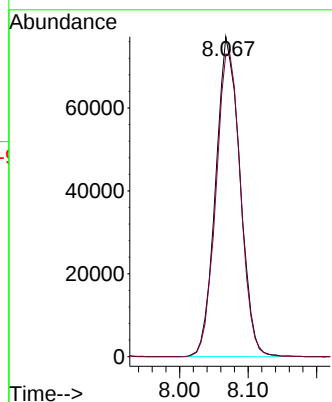
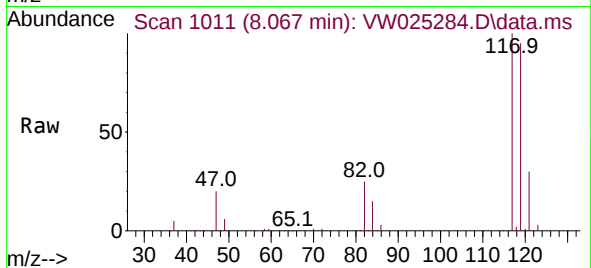




#31
Carbon tetrachloride
Concen: 21.882 ug/L
RT: 8.067 min Scan# 1012
Delta R.T. -0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

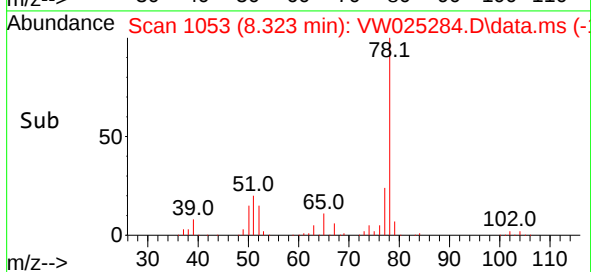
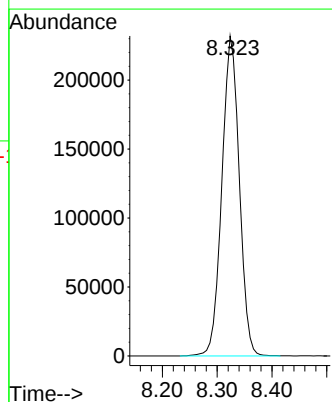
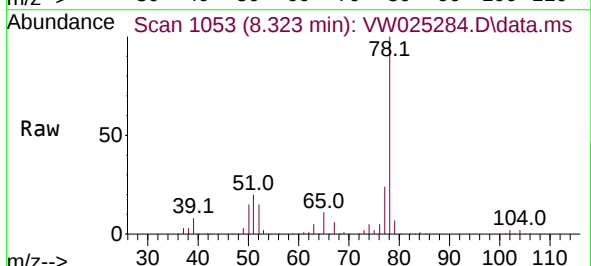
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

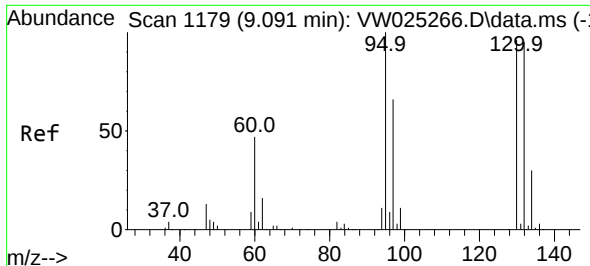
Tgt Ion:117 Resp: 189773
Ion Ratio Lower Upper
117 100
119 96.6 77.6 116.4



#33
Benzene
Concen: 22.441 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 78 Resp: 513349

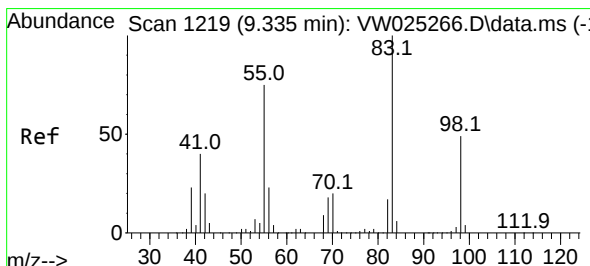
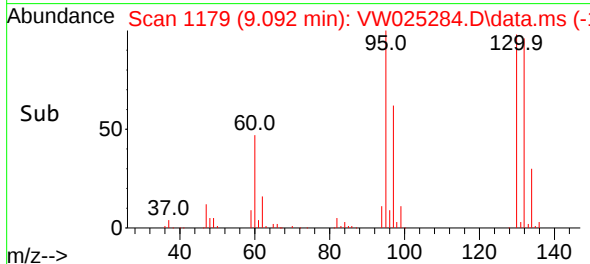
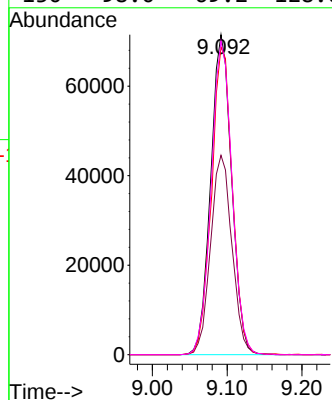
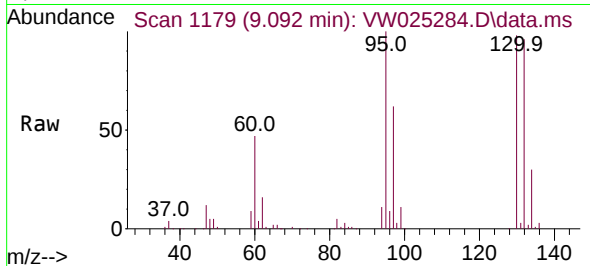




#34
Trichloroethene
Concen: 21.798 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

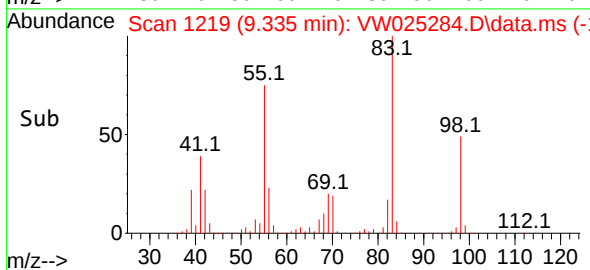
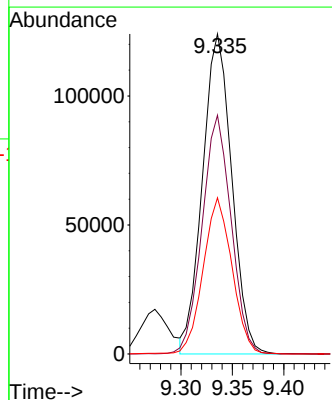
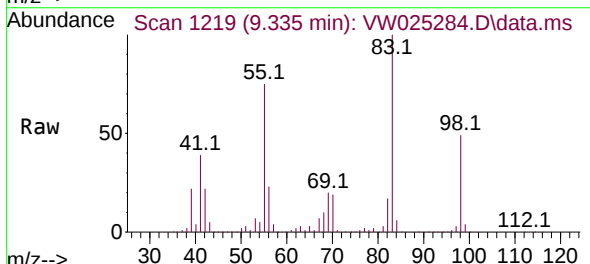
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

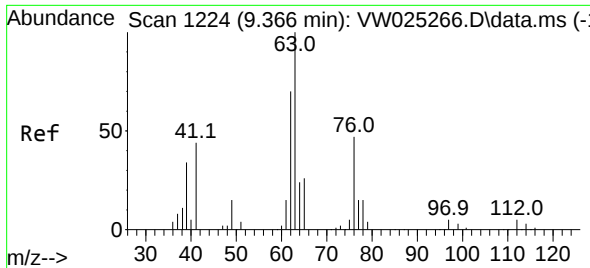
Tgt Ion: 95 Resp: 139669
Ion Ratio Lower Upper
95 100
97 62.3 45.4 84.2
132 96.1 67.1 124.5
130 98.0 69.2 128.6



#35
Methylcyclohexane
Concen: 21.483 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 83 Resp: 245707
Ion Ratio Lower Upper
83 100
55 74.0 58.8 88.2
98 48.3 39.5 59.3

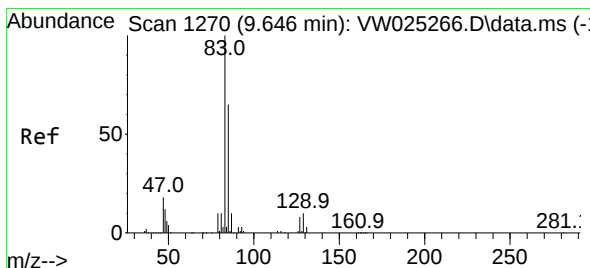
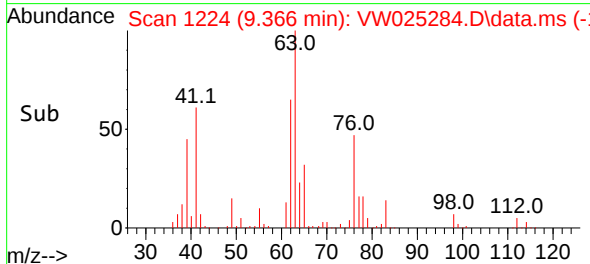
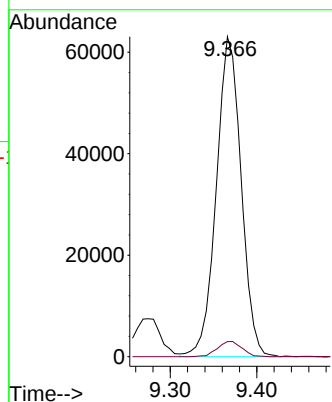
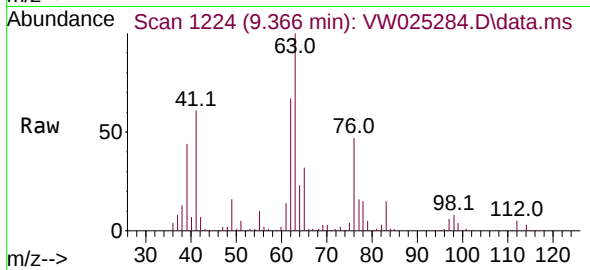




#37
1,2-Dichloropropane
Concen: 22.254 ug/L
RT: 9.366 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

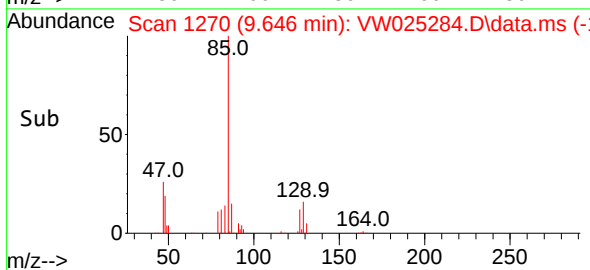
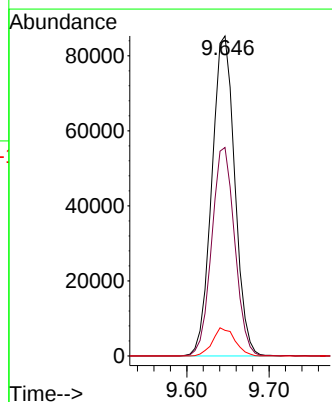
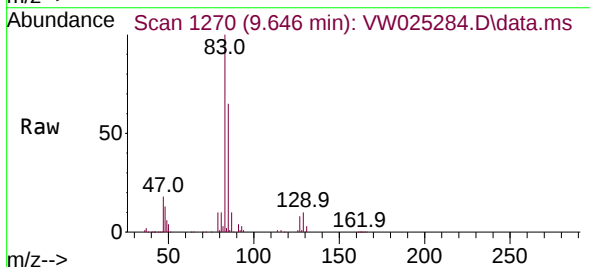
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

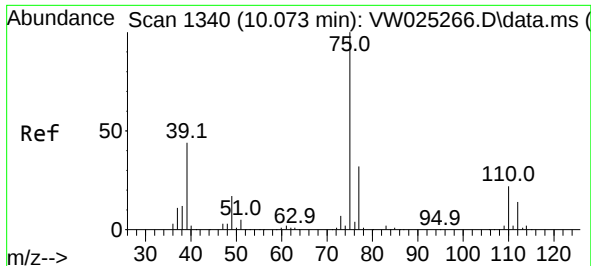
Tgt Ion: 63 Resp: 125554
Ion Ratio Lower Upper
63 100
112 4.6 3.8 5.8



#38
Bromodichloromethane
Concen: 22.042 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 83 Resp: 165354
Ion Ratio Lower Upper
83 100
85 65.2 44.4 82.4
127 8.0 6.2 9.2

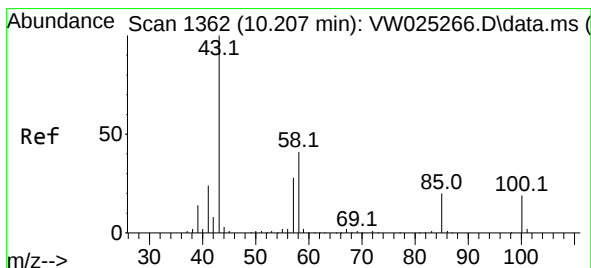
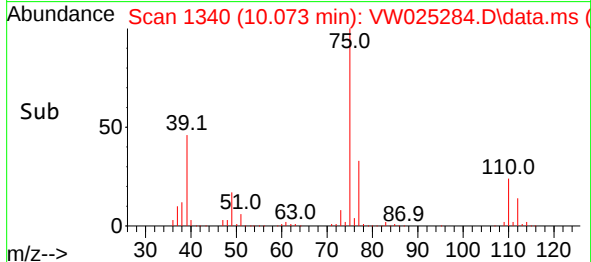
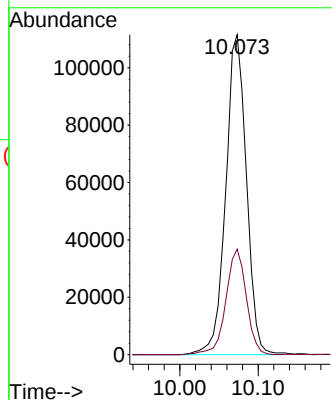
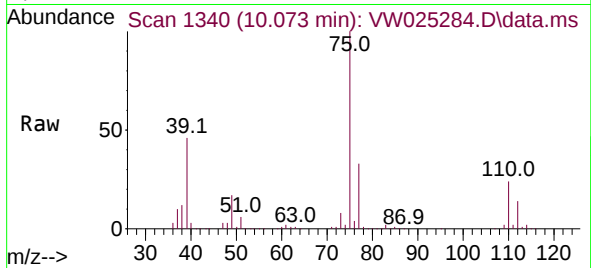




#39
cis-1,3-Dichloropropene
Concen: 22.148 ug/L
RT: 10.073 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

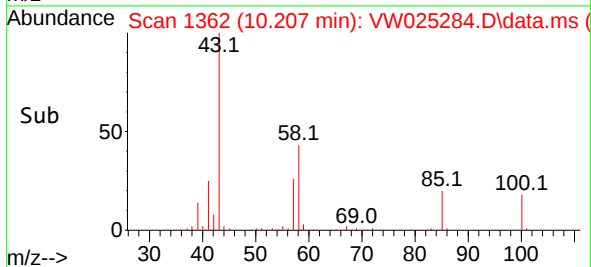
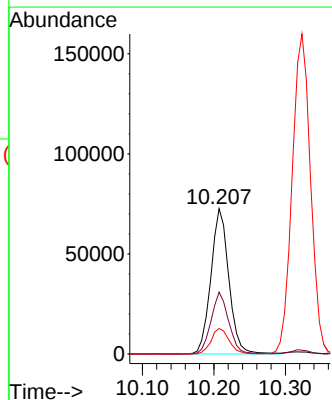
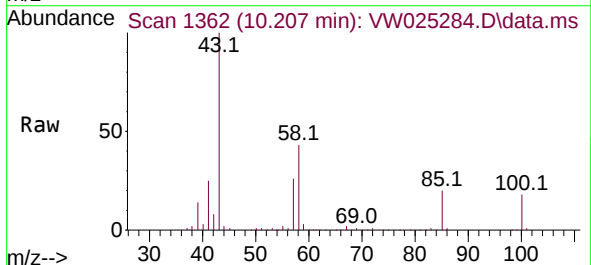
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

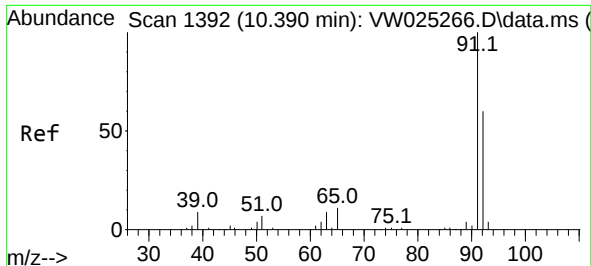
Tgt Ion: 75 Resp: 204598
Ion Ratio Lower Upper
75 100
77 33.0 22.6 42.0



#40
4-Methyl-2-pentanone
Concen: 50.847 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 43 Resp: 126664
Ion Ratio Lower Upper
43 100
58 41.7 34.1 51.1
100 17.7 14.5 21.7





#42

Toluene

Concen: 24.508 ug/L

RT: 10.384 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

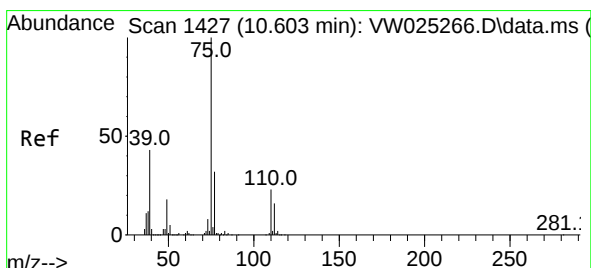
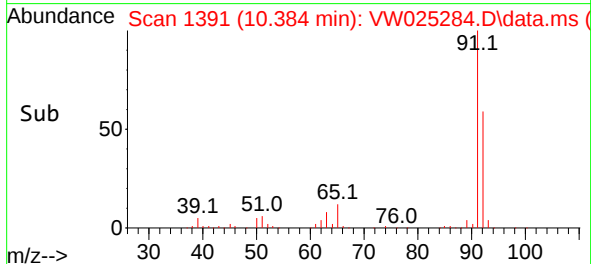
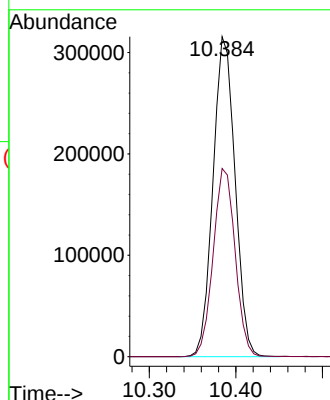
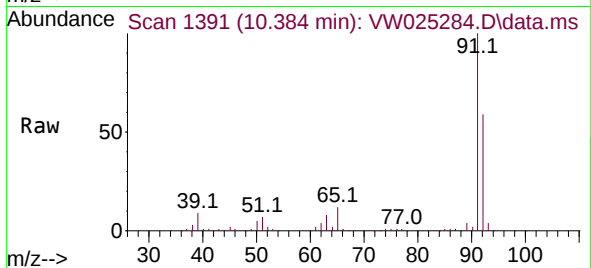
VSTD025527

Tgt Ion: 91 Resp: 557508

Ion Ratio Lower Upper

91 100

92 58.8 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 26.343 ug/L

RT: 10.604 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VW025284.D

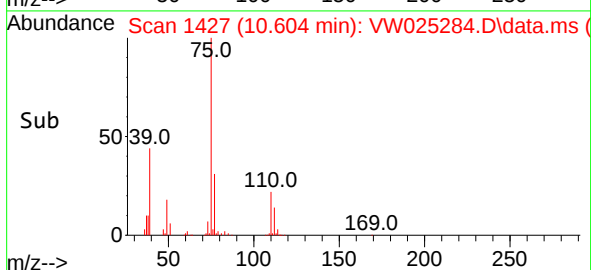
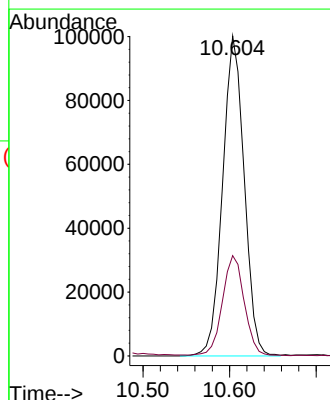
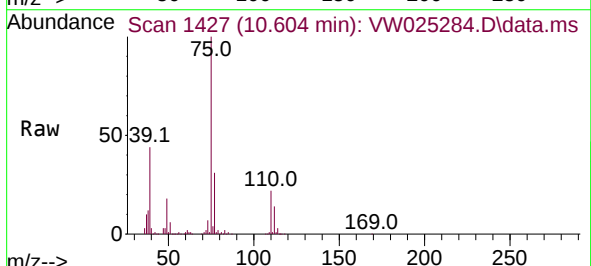
Acq: 03 Feb 2023 17:39

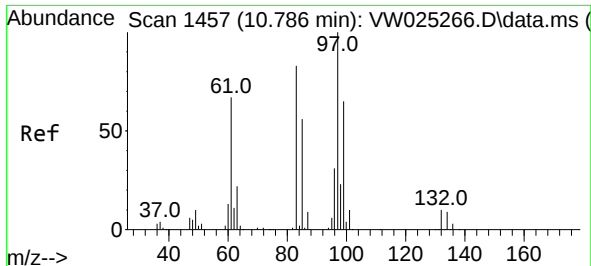
Tgt Ion: 75 Resp: 173464

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 26.023 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025527

Tgt Ion: 97 Resp: 92533

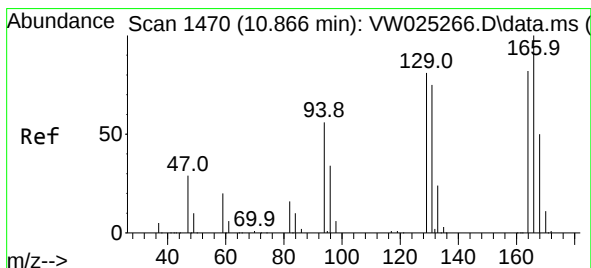
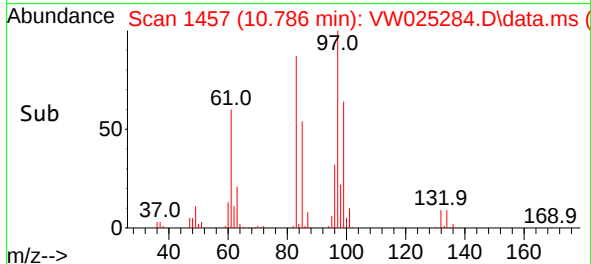
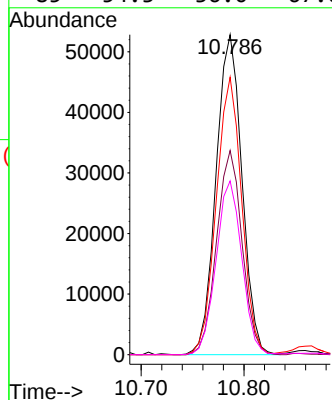
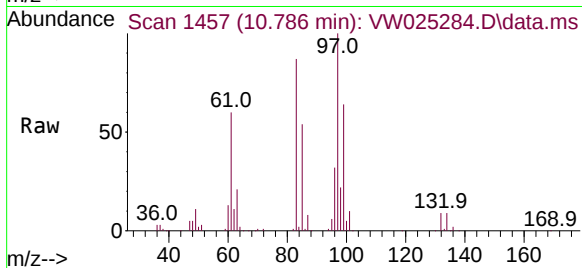
Ion Ratio Lower Upper

97 100

99 63.8 41.4 76.8

83 86.7 54.0 100.4

85 54.3 36.0 67.0



#46

Tetrachloroethene

Concen: 24.664 ug/L

RT: 10.860 min Scan# 1469

Delta R.T. -0.006 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Tgt Ion:164 Resp: 100995

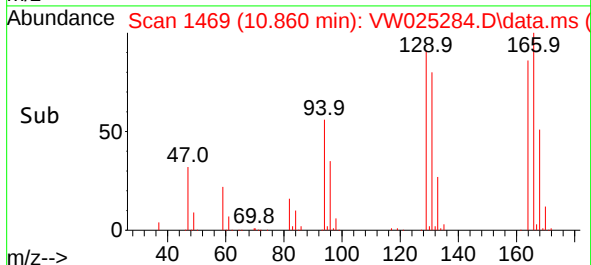
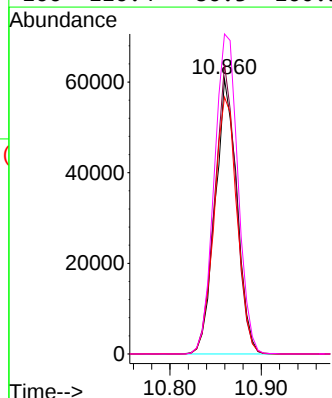
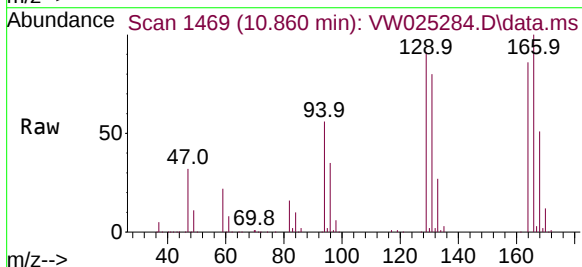
Ion Ratio Lower Upper

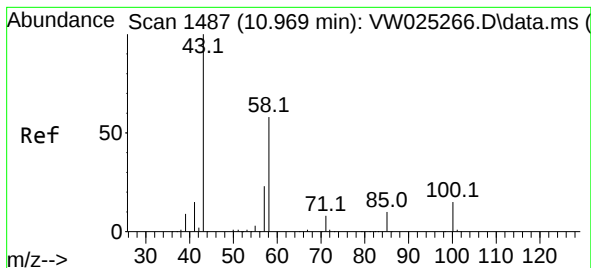
164 100

129 105.4 74.1 137.5

131 93.4 72.3 134.3

166 116.4 86.3 160.3





#48

2-Hexanone

Concen: 55.848 ug/L

RT: 10.969 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025527

Tgt Ion: 43 Resp: 87829

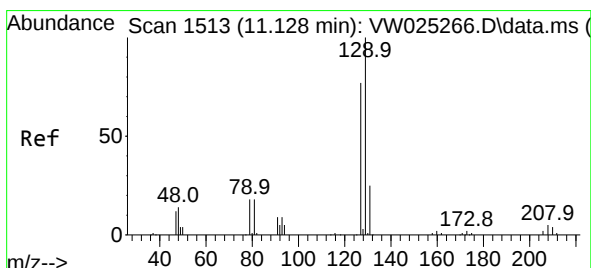
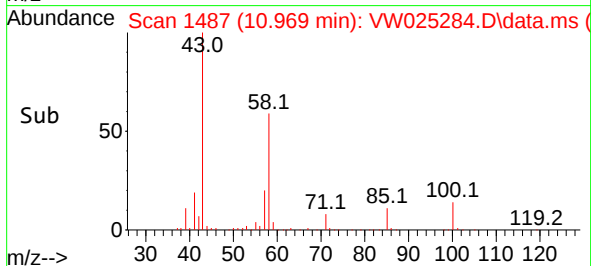
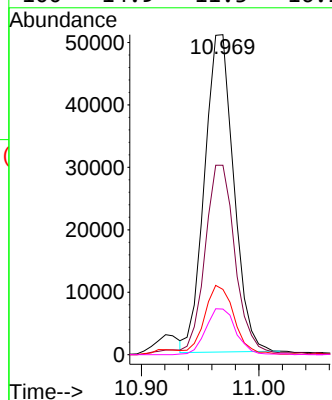
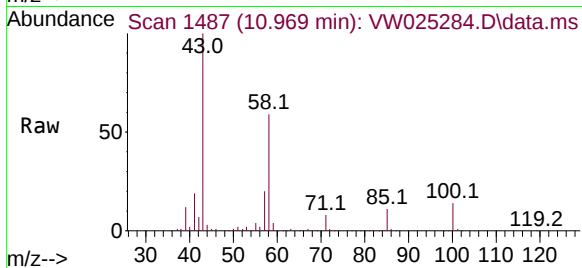
Ion Ratio Lower Upper

43 100

58 61.9 46.3 69.5

57 22.3 16.5 24.7

100 14.9 11.3 16.9



#49

Dibromochloromethane

Concen: 25.576 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW025284.D

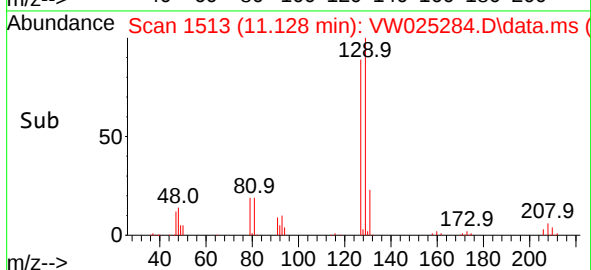
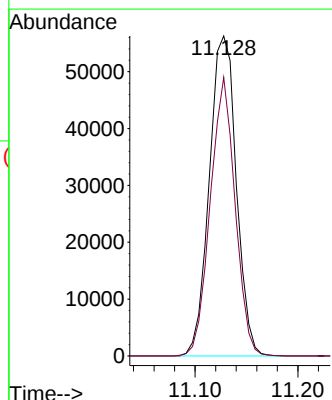
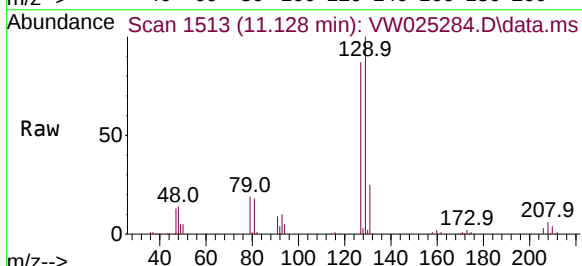
Acq: 03 Feb 2023 17:39

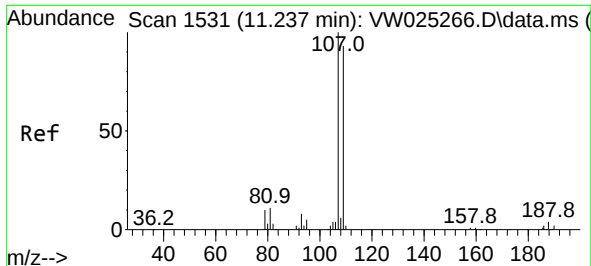
Tgt Ion:129 Resp: 102715

Ion Ratio Lower Upper

129 100

127 87.1 54.8 101.8





#50

1,2-Dibromoethane

Concen: 27.128 ug/L

RT: 11.232 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025527

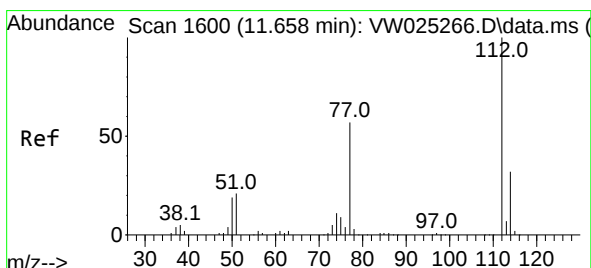
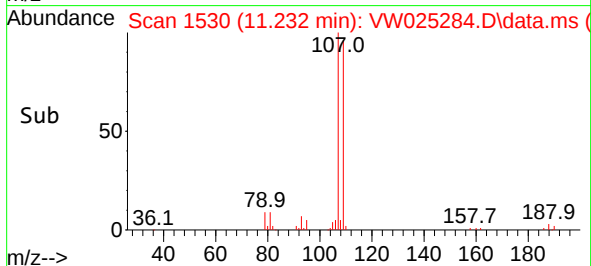
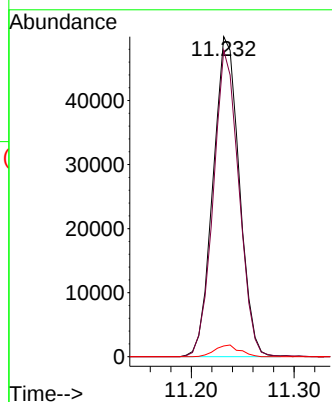
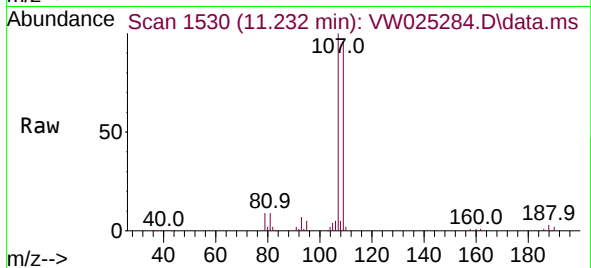
Tgt Ion:107 Resp: 88363

Ion Ratio Lower Upper

107 100

109 95.8 65.0 120.6

188 3.3 2.3 3.5



#51

Chlorobenzene

Concen: 23.214 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

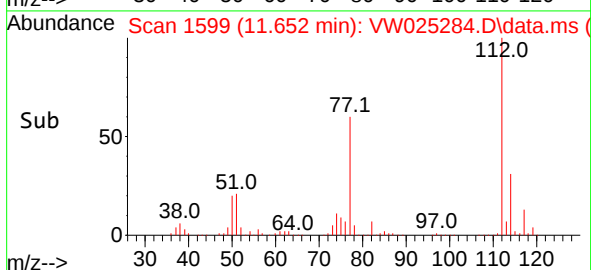
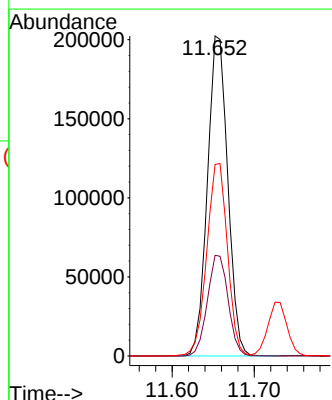
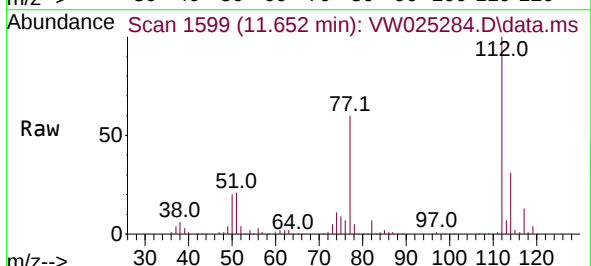
Tgt Ion:112 Resp: 347524

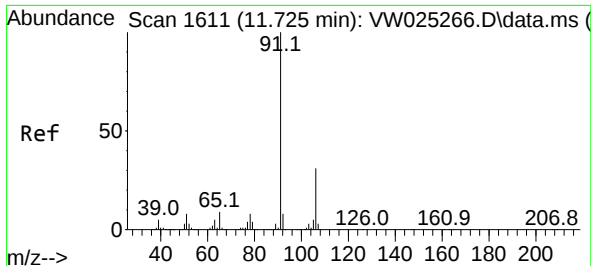
Ion Ratio Lower Upper

112 100

114 31.4 21.7 40.3

77 59.9 46.2 69.4

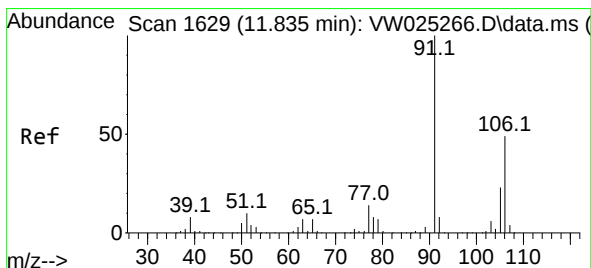
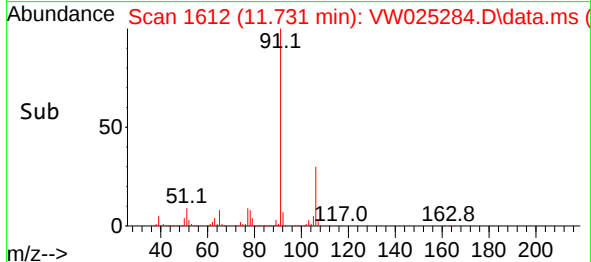
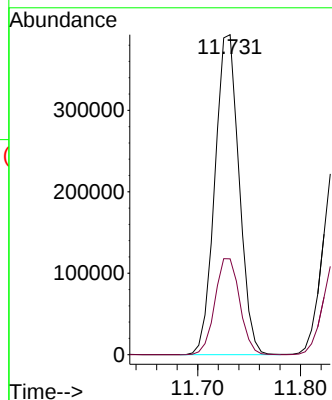
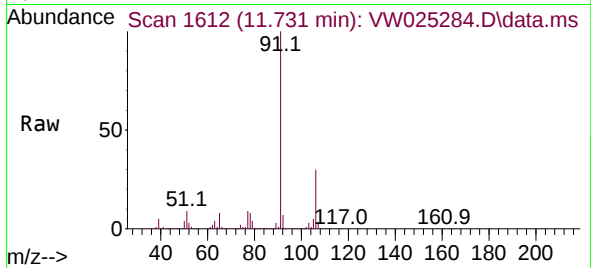




#52
Ethylbenzene
Concen: 23.563 ug/L
RT: 11.731 min Scan# 1611
Delta R.T. 0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

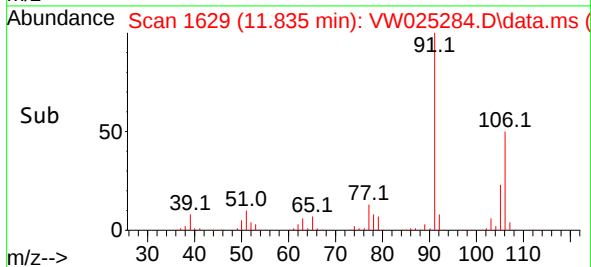
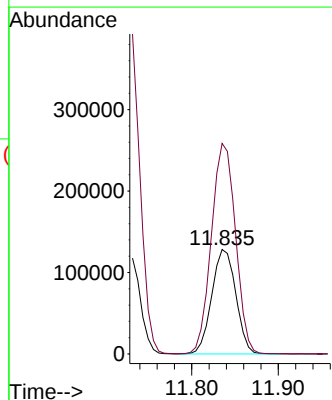
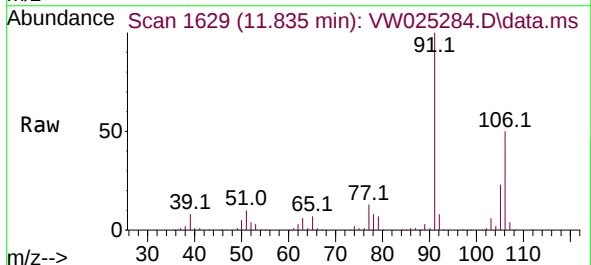
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

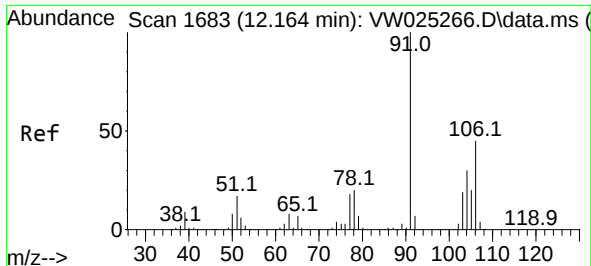
Tgt Ion: 91 Resp: 642221
Ion Ratio Lower Upper
91 100
106 30.0 21.1 39.1



#53
m,p-Xylene
Concen: 23.968 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 106 Resp: 247584
Ion Ratio Lower Upper
106 100
91 201.5 143.4 266.4

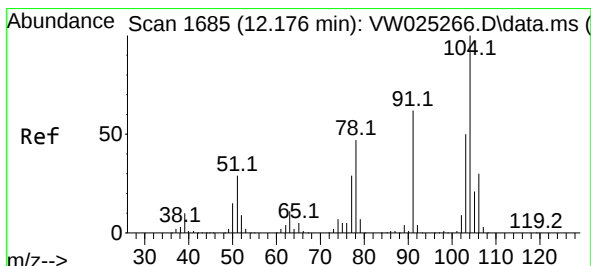
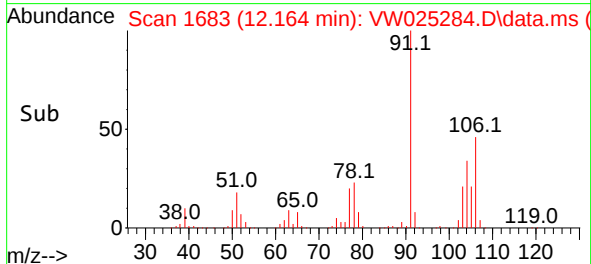
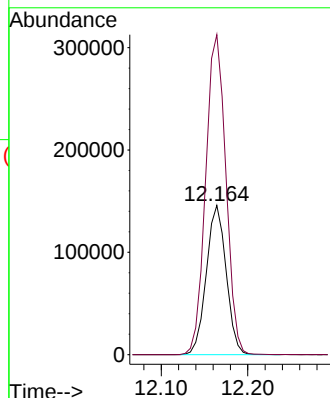
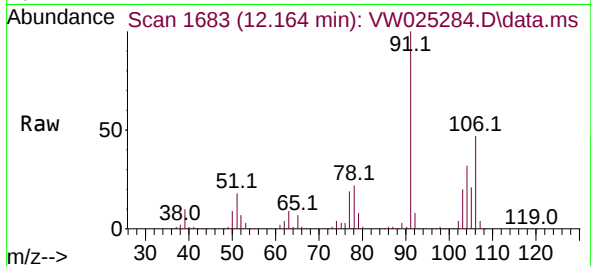




#54
o-Xylene
Concen: 22.293 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

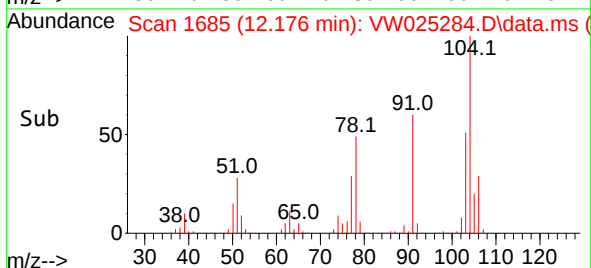
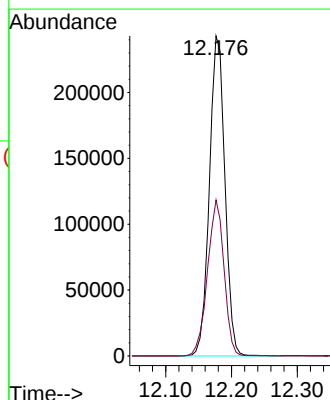
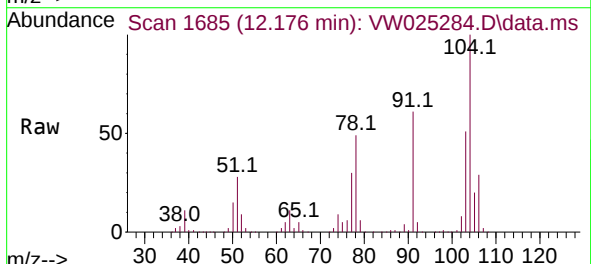
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

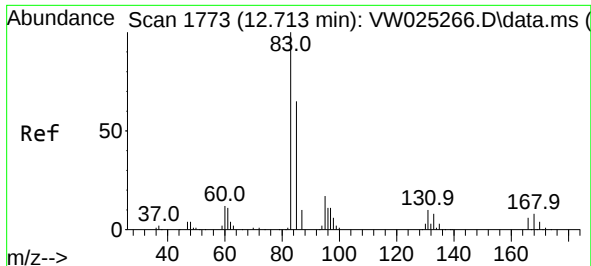
Tgt Ion:106 Resp: 231814
Ion Ratio Lower Upper
106 100
91 214.4 157.6 292.8



#55
Styrene
Concen: 22.653 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion:104 Resp: 398850
Ion Ratio Lower Upper
104 100
78 48.7 32.8 60.8





#57

1,1,2,2-Tetrachloroethane

Concen: 24.996 ug/L

RT: 12.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025527

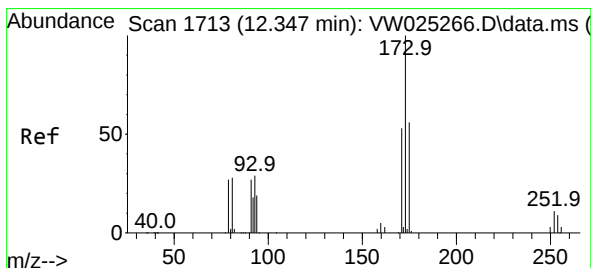
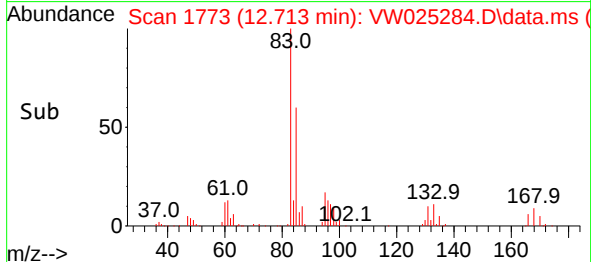
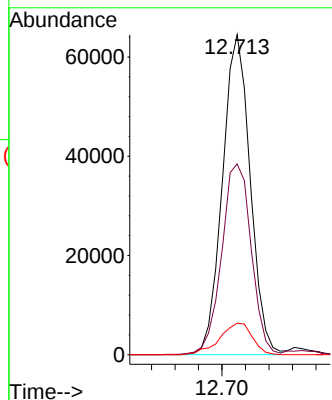
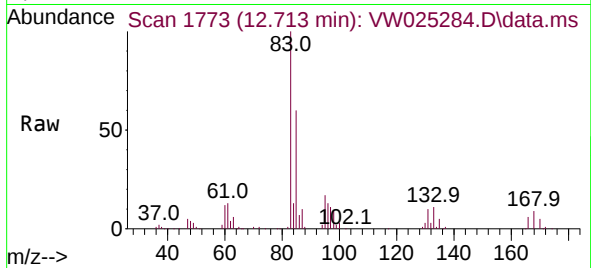
Tgt Ion: 83 Resp: 105902

Ion Ratio Lower Upper

83 100

85 59.6 44.7 83.1

131 9.8 7.8 11.6



#59

Bromoform

Concen: 25.204 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

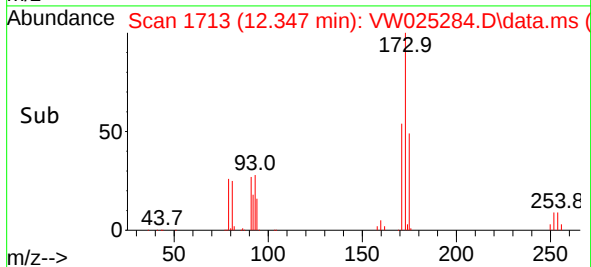
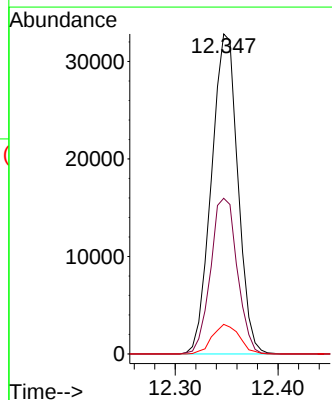
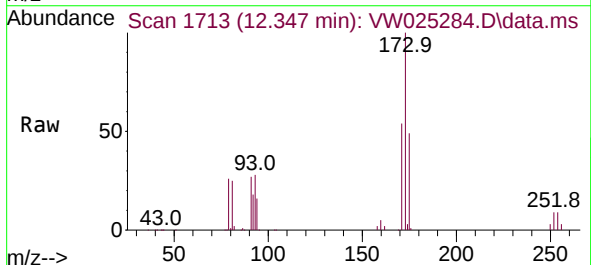
Tgt Ion:173 Resp: 58612

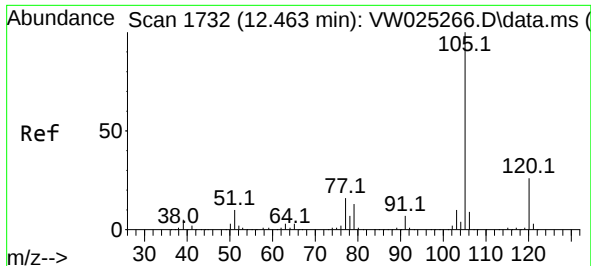
Ion Ratio Lower Upper

173 100

175 49.1 38.6 58.0

254 9.5 7.0 10.4

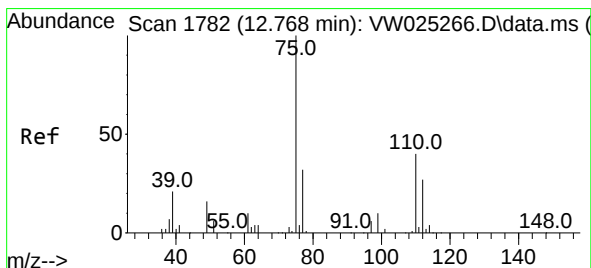
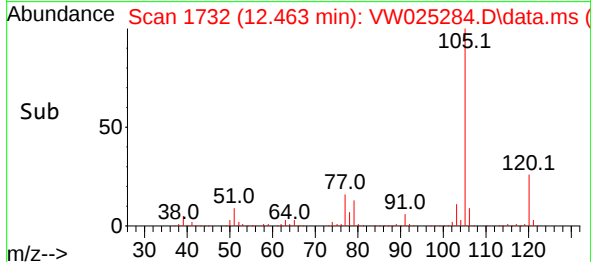
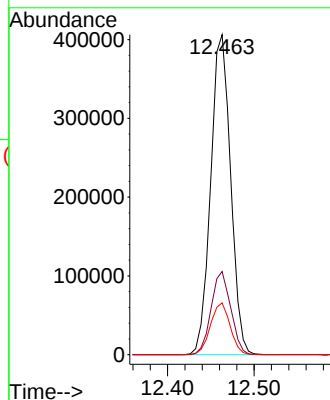
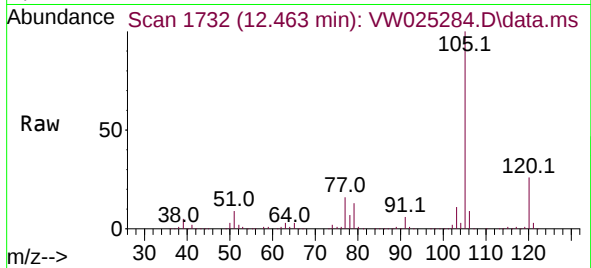




#60
Isopropylbenzene
Concen: 23.374 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

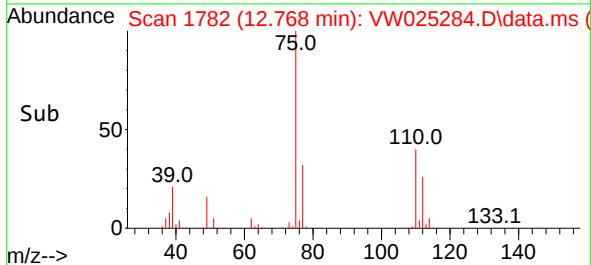
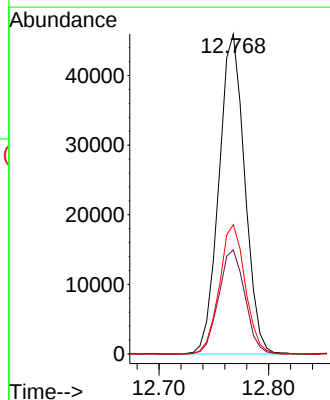
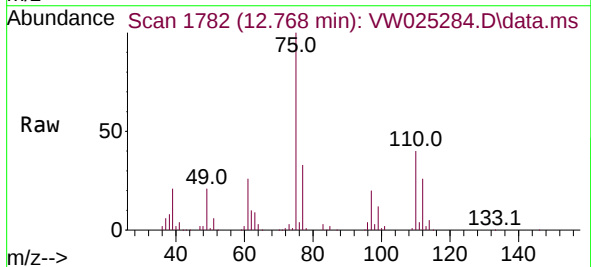
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

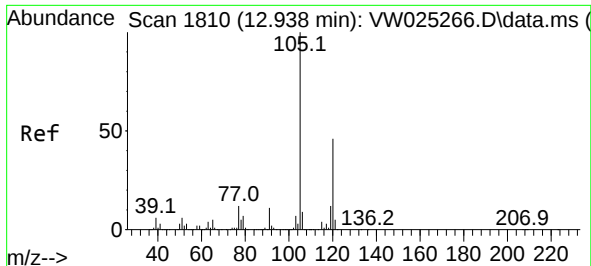
Tgt Ion:105 Resp: 648831
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 16.0 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 25.795 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion: 75 Resp: 75172
Ion Ratio Lower Upper
75 100
77 33.1 26.7 40.1
110 40.4 33.2 49.8





#62

1,3,5-Trimethylbenzene

Concen: 24.629 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

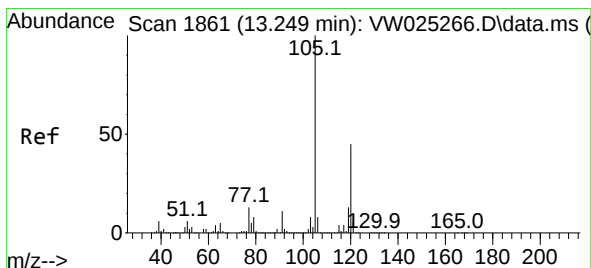
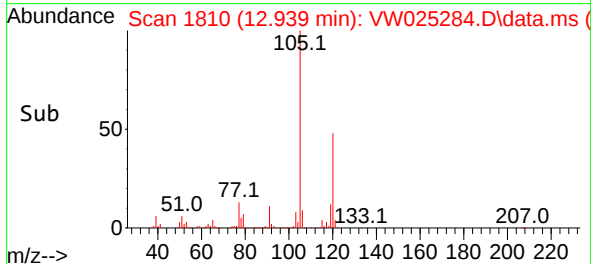
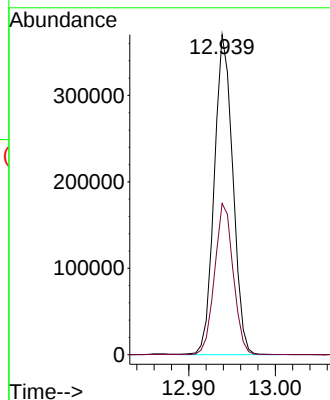
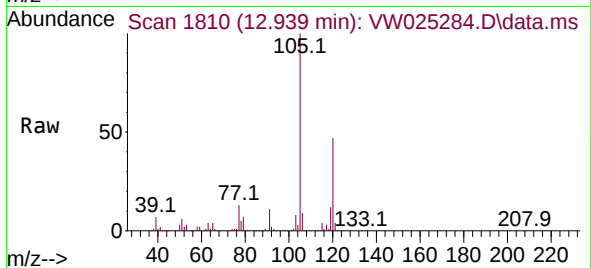
VSTD025527

Tgt Ion:105 Resp: 551145

Ion Ratio Lower Upper

105 100

120 47.3 37.0 55.4



#63

1,2,4-Trimethylbenzene

Concen: 23.825 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW025284.D

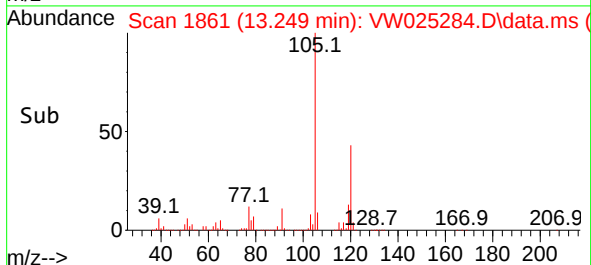
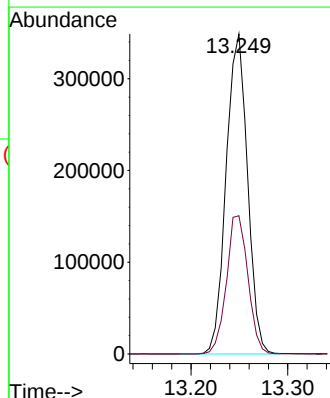
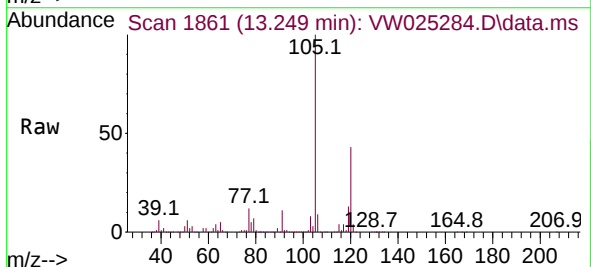
Acq: 03 Feb 2023 17:39

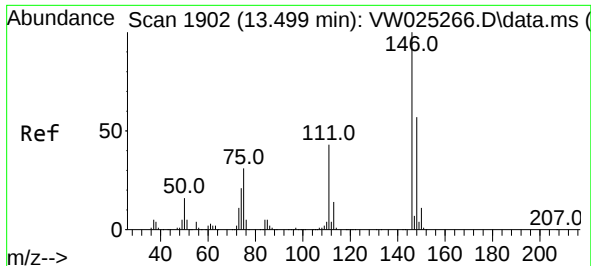
Tgt Ion:105 Resp: 534230

Ion Ratio Lower Upper

105 100

120 43.5 35.0 52.4

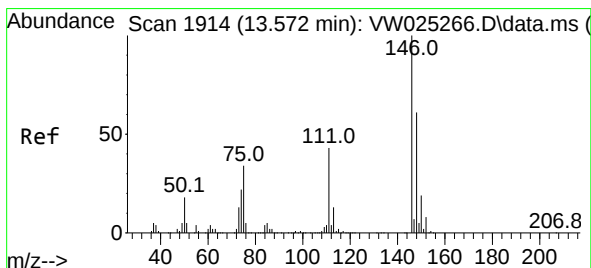
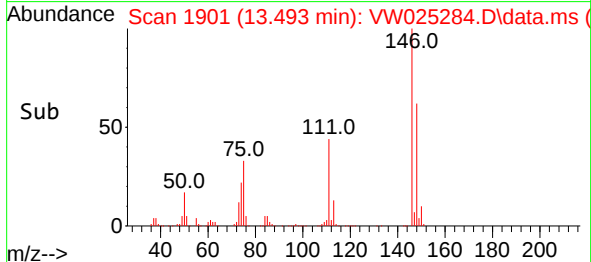
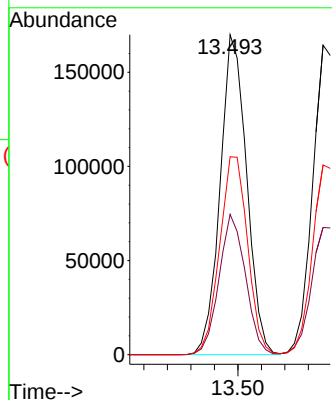
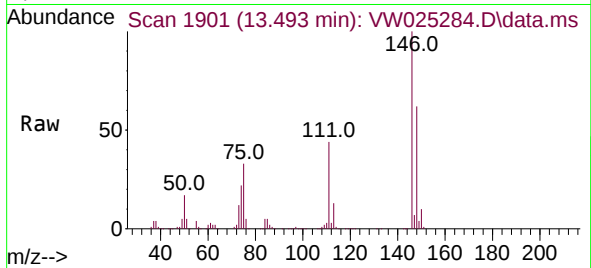




#64
1,3-Dichlorobenzene
Concen: 23.176 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

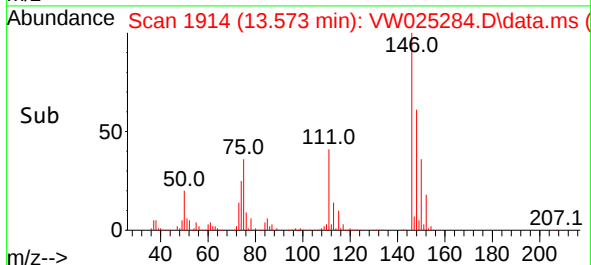
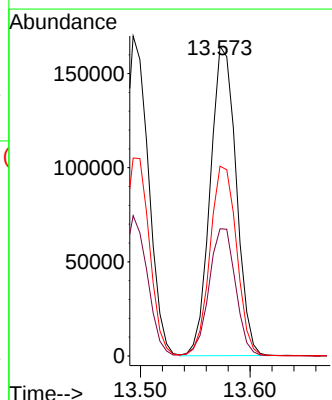
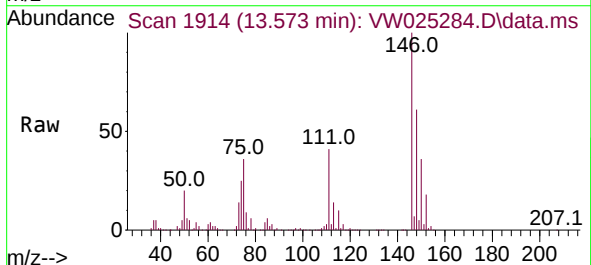
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

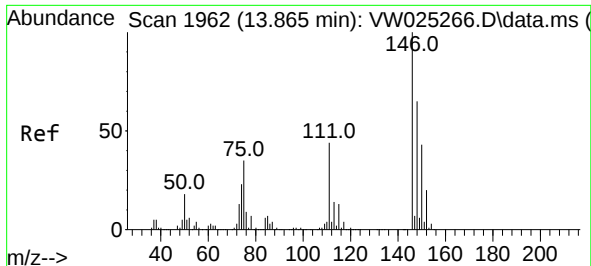
Tgt Ion:146 Resp: 266536
Ion Ratio Lower Upper
146 100
111 43.9 29.0 53.8
148 61.9 41.7 77.5



#65
1,4-Dichlorobenzene
Concen: 23.850 ug/L
RT: 13.573 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion:146 Resp: 270663
Ion Ratio Lower Upper
146 100
111 41.1 29.3 54.3
148 61.3 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 24.278 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025527

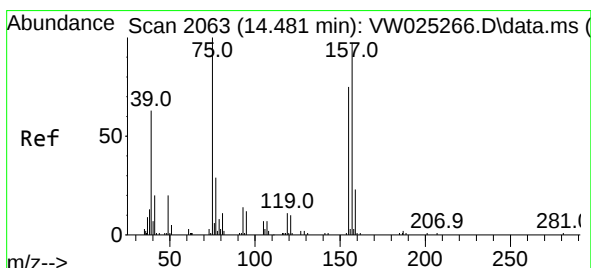
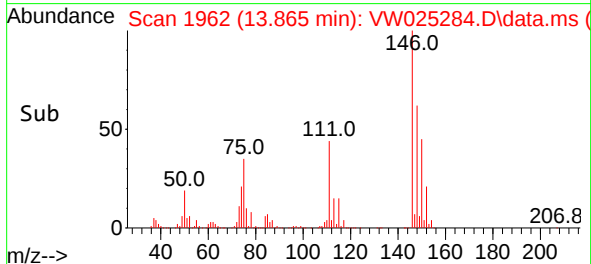
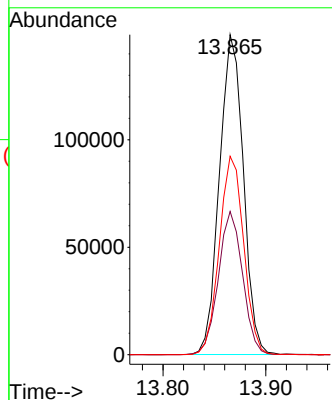
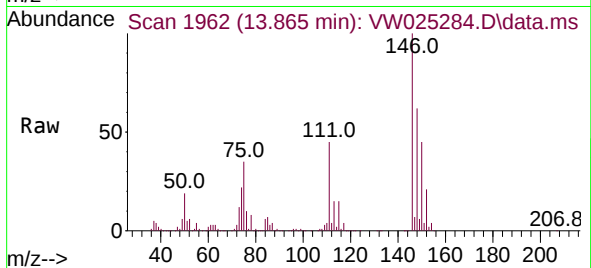
Tgt Ion:146 Resp: 240614

Ion Ratio Lower Upper

146 100

111 44.7 36.2 54.2

148 62.0 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 26.401 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

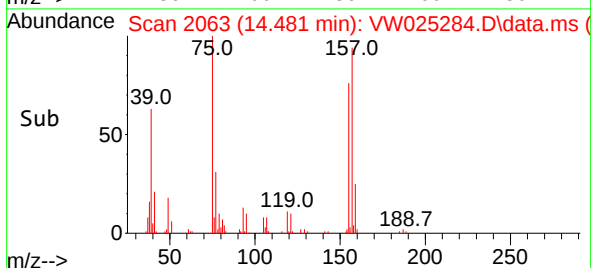
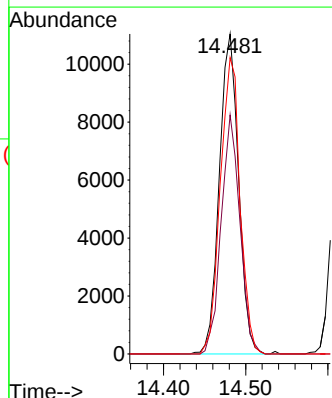
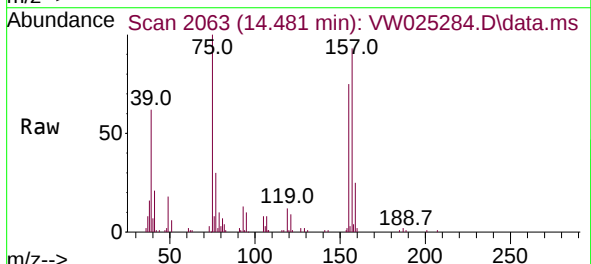
Tgt Ion: 75 Resp: 17970

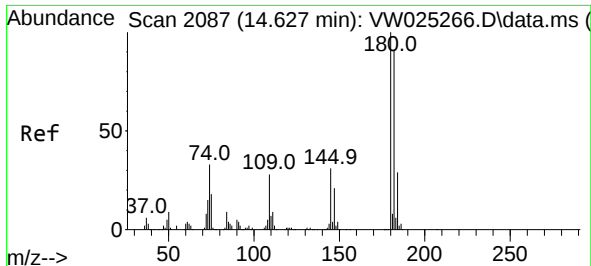
Ion Ratio Lower Upper

75 100

155 74.7 63.4 95.2

157 92.6 82.5 123.7

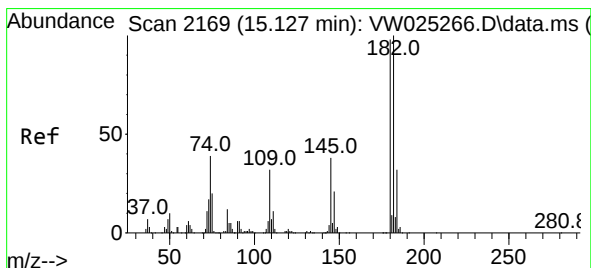
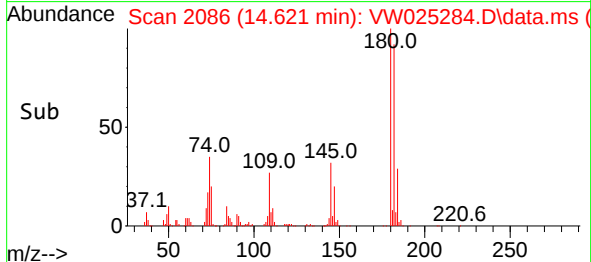
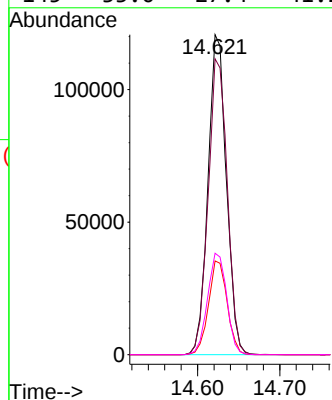
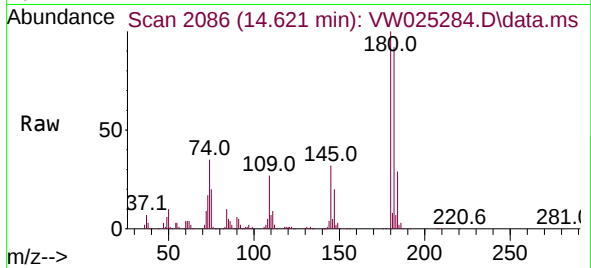




#69
1,3,5-Trichlorobenzene
Concen: 25.068 ug/L
RT: 14.621 min Scan# 2086
Delta R.T. -0.006 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

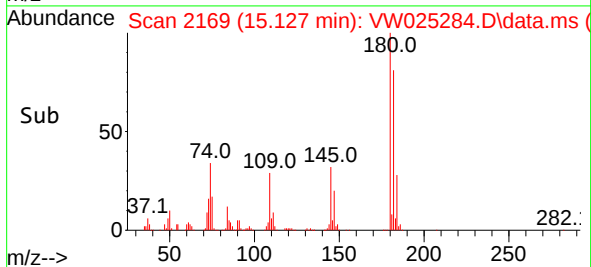
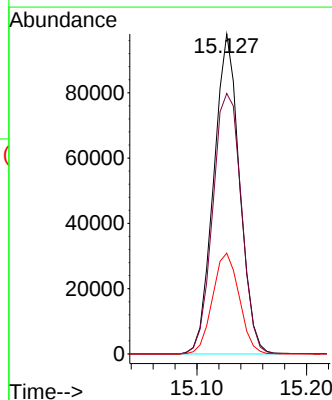
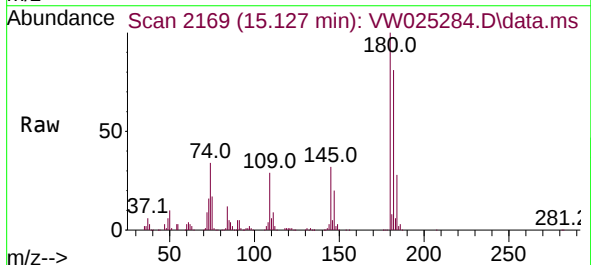
Instrument :
MSVOA_W
ClientSampleId :
VSTD025527

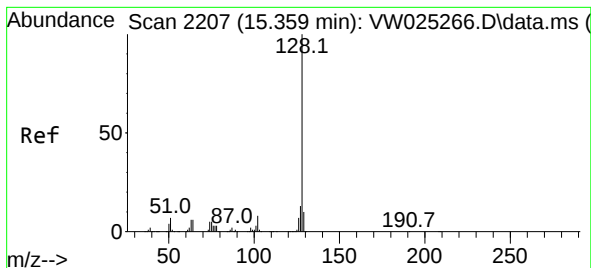
Tgt Ion:180 Resp: 187479
Ion Ratio Lower Upper
180 100
182 96.1 77.7 116.5
184 29.8 24.4 36.6
145 33.0 27.4 41.2



#70
1,2,4-trichlorobenzene
Concen: 26.409 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW025284.D
Acq: 03 Feb 2023 17:39

Tgt Ion:180 Resp: 160823
Ion Ratio Lower Upper
180 100
182 90.1 76.4 114.6
145 32.4 27.4 41.2





#71

Naphthalene

Concen: 28.143 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD025527

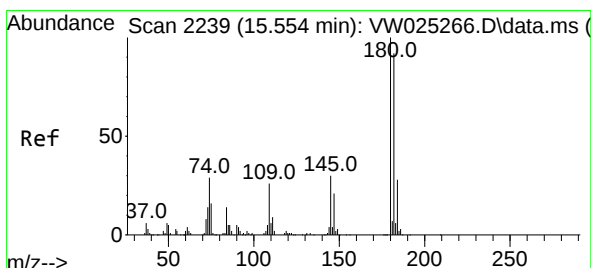
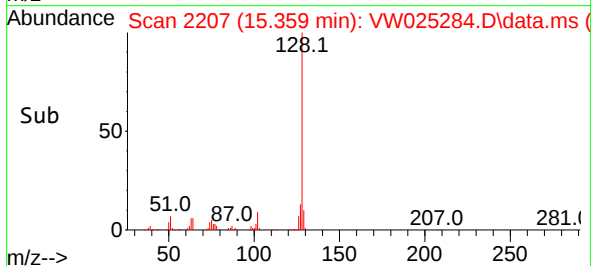
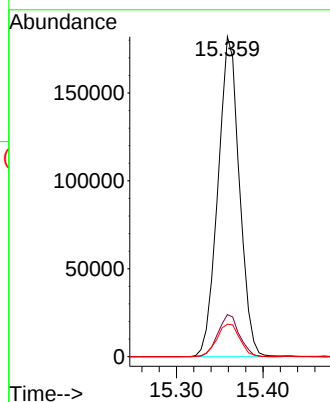
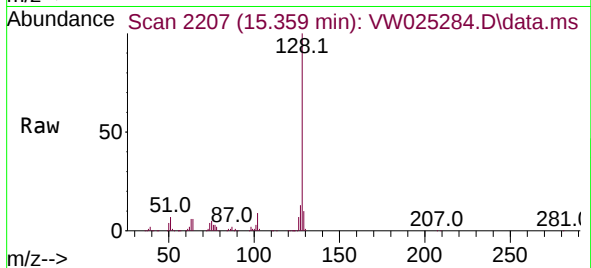
Tgt Ion:128 Resp: 313301

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 26.037 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW025284.D

Acq: 03 Feb 2023 17:39

Tgt Ion:180 Resp: 136142

Ion Ratio Lower Upper

180 100

182 90.8 75.1 112.7

145 35.4 28.8 43.2

