

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061523\
 Data File : VD076438.D
 Acq On : 15 Jun 2023 14:24
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025158

Quant Time: Jun 16 01:43:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:37:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	266894	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	233379	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	112489	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	167424	25.759	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	103.040%	
7) Chloroethane-d5	2.793	69	129659	24.671	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	98.680%	
11) 1,1-Dichloroethene-d2	3.911	65	43301	25.522	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	102.080%	
21) 2-Butanone-d5	7.105	46	327	0.332	ug/L	0.12
Spiked Amount 50.000	Range 20	- 135	Recovery	=	0.660%#	
24) Chloroform-d	7.569	84	176474	25.097	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	100.400%	
26) 1,2-Dichloroethane-d4	8.228	65	86238	24.861	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	99.440%	
32) Benzene-d6	8.199	84	364704	25.546	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	102.200%	
36) 1,2-Dichloropropane-d6	9.210	67	117575	25.801	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	103.200%	
41) Toluene-d8	10.269	98	339435	25.678	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	102.720%	
43) trans-1,3-Dichloroprop...	10.528	79	51477	27.159	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	108.640%	
47) 2-Hexanone-d5	10.875	63	36025	50.928	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	101.860%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	82487	25.443	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	101.760%	
66) 1,2-Dichlorobenzene-d4	13.816	152	105022	25.471	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	101.880%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	107903	25.945	ug/L	99
3) Chloromethane	2.146	50	174647	25.261	ug/L	97
5) Vinyl chloride	2.275	62	189471	25.404	ug/L	97
6) Bromomethane	2.687	94	100167	24.248	ug/L	93
8) Chloroethane	2.834	64	113793	24.908	ug/L	99
9) Trichlorofluoromethane	3.170	101	139775	25.919	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	89849	25.686	ug/L	100
12) 1,1-Dichloroethene	3.928	96	88396	25.520	ug/L	90
13) Acetone	4.022	43	35625	44.808	ug/L	98
14) Carbon disulfide	4.264	76	310926	24.763	ug/L	98
15) Methyl Acetate	4.558	43	44017	24.252	ug/L	99
16) Methylene chloride	4.787	84	100963	21.764	ug/L	82
17) trans-1,2-Dichloroethene	5.311	96	94266	24.410	ug/L	97
18) Methyl tert-butyl Ether	5.316	73	213579	24.293	ug/L #	91
19) 1,1-Dichloroethane	6.105	63	174420	24.704	ug/L	99
20) cis-1,2-Dichloroethene	7.075	96	107513	24.929	ug/L	97
22) 2-Butanone	7.081	43	59579	46.435	ug/L	98
23) Bromochloromethane	7.422	128	47044	25.701	ug/L	94
25) Chloroform	7.593	83	169279	24.568	ug/L	99

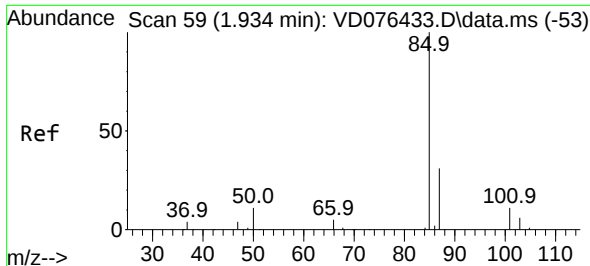
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 Data File : VD076438.D
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:37:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	102762	24.251	ug/L	100
29) Cyclohexane	7.875	56	163315	26.316	ug/L	98
30) 1,1,1-Trichloroethane	7.787	97	140703	25.952	ug/L	100
31) Carbon tetrachloride	7.987	117	117067	26.999	ug/L	96
33) Benzene	8.246	78	389073	25.189	ug/L	100
34) Trichloroethene	9.028	95	99392	25.050	ug/L	96
35) Methylcyclohexane	9.269	83	168818	26.384	ug/L	98
37) 1,2-Dichloropropane	9.305	63	103794	24.648	ug/L	99
38) Bromodichloromethane	9.581	83	122009	25.403	ug/L	99
39) cis-1,3-Dichloropropene	10.016	75	162404	25.256	ug/L	98
40) 4-Methyl-2-pentanone	10.157	43	127354	48.614	ug/L	100
42) Toluene	10.334	91	415527	25.174	ug/L	99
44) trans-1,3-Dichloropropene	10.552	75	132295	25.311	ug/L	96
45) 1,1,2-Trichloroethane	10.734	97	71883	24.886	ug/L	98
46) Tetrachloroethene	10.810	164	79027	25.335	ug/L	95
48) 2-Hexanone	10.922	43	92624	51.625	ug/L	99
49) Dibromochloromethane	11.075	129	82828	25.233	ug/L	99
50) 1,2-Dibromoethane	11.181	107	69938	24.947	ug/L	90
51) Chlorobenzene	11.604	112	258582	25.092	ug/L	94
52) Ethylbenzene	11.681	91	457174	25.697	ug/L	98
53) m,p-Xylene	11.793	106	173600	24.830	ug/L	95
54) o-Xylene	12.122	106	168196	25.266	ug/L	99
55) Styrene	12.134	104	291097	25.310	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	82503	24.993	ug/L	98
59) Bromoform	12.298	173	51060	25.356	ug/L #	98
60) Isopropylbenzene	12.422	105	435845	25.331	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	55163	25.268	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	346667	25.183	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	345890	25.463	ug/L	98
64) 1,3-Dichlorobenzene	13.457	146	191350	24.998	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	195587	25.349	ug/L	98
67) 1,2-Dichlorobenzene	13.828	146	171818	25.197	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.445	75	11717	24.083	ug/L	97
69) 1,3,5-Trichlorobenzene	14.592	180	130426	25.545	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	112234	24.706	ug/L	99
71) Naphthalene	15.334	128	219239	25.207	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	96942	24.574	ug/L	96

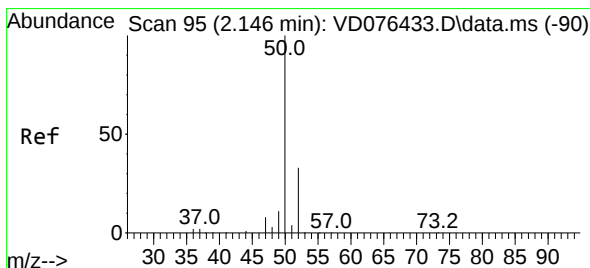
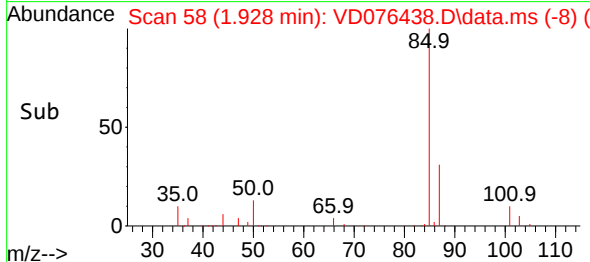
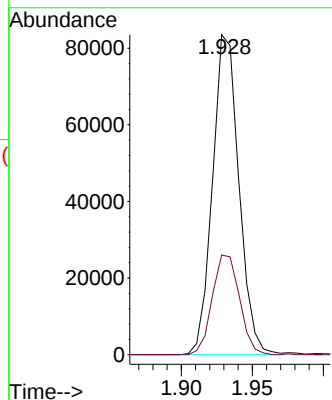
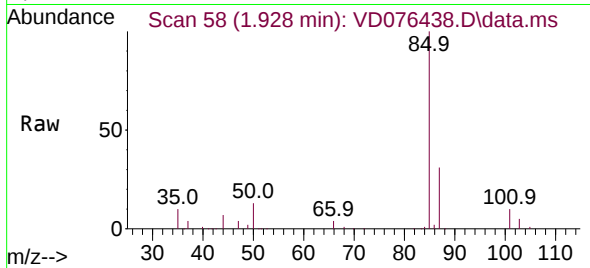
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#2
Dichlorodifluoromethane
Concen: 25.945 ug/L
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

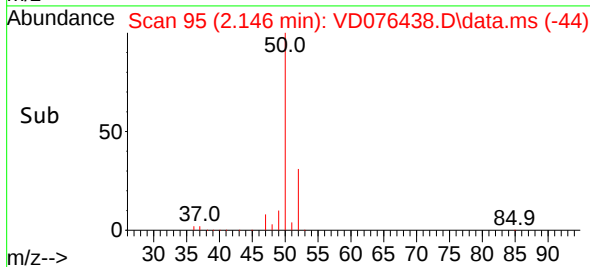
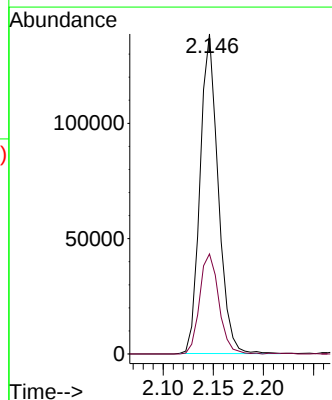
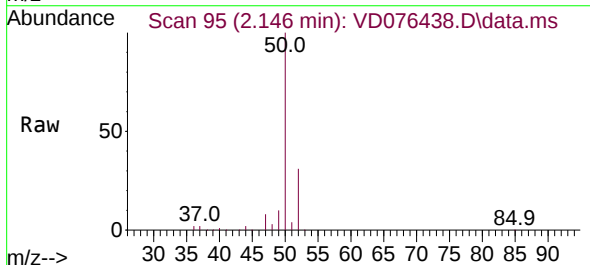
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MSVOA_D
ClientSampleId :
VSTD025158

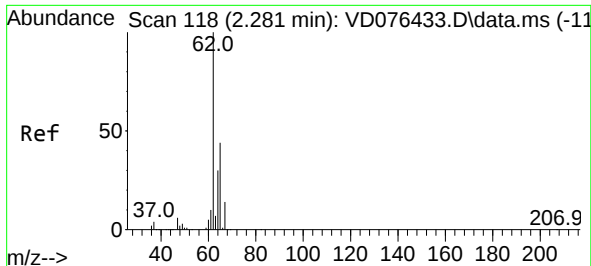
Tgt Ion: 85 Resp: 107903
Ion Ratio Lower Upper
85 100
87 32.1 26.3 39.5



#3
Chloromethane
Concen: 25.261 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion: 50 Resp: 174647
Ion Ratio Lower Upper
50 100
52 31.2 23.2 43.2

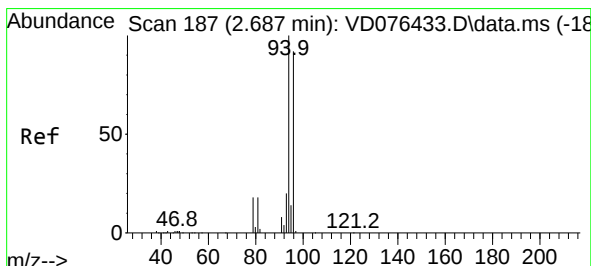
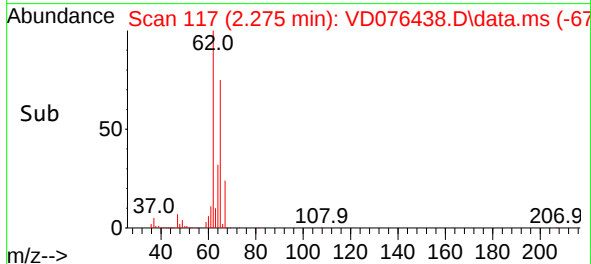
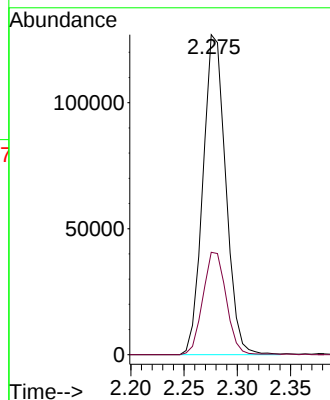
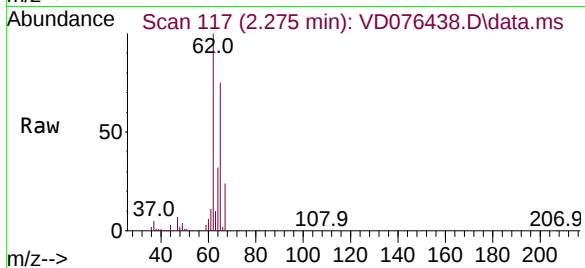




#5
 Vinyl chloride
 Concen: 25.404 ug/L
 RT: 2.275 min Scan# 117
 Delta R.T. -0.006 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

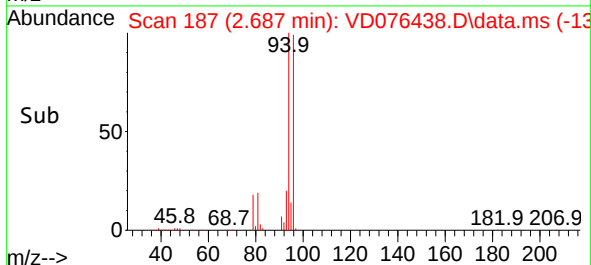
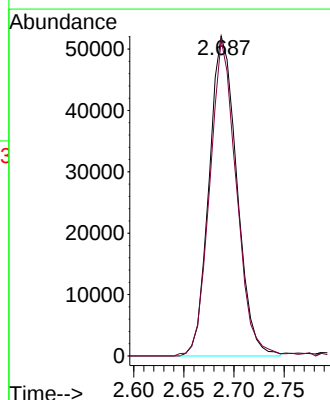
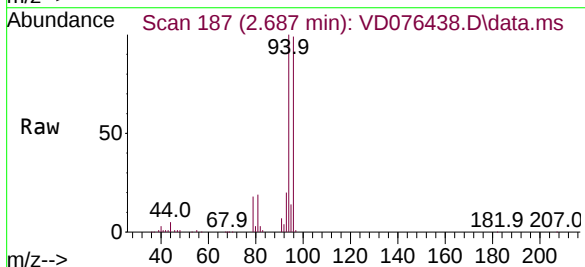
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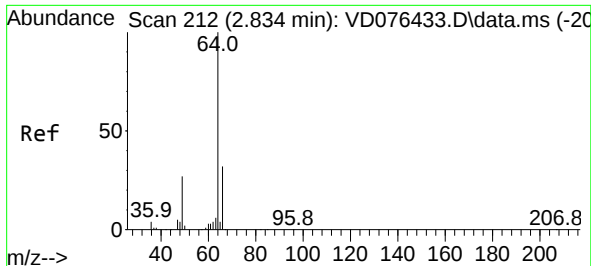
Tgt Ion: 62 Resp: 189471
 Ion Ratio Lower Upper
 62 100
 64 32.0 21.1 39.1



#6
 Bromomethane
 Concen: 24.248 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

Tgt Ion: 94 Resp: 100167
 Ion Ratio Lower Upper
 94 100
 96 98.8 64.7 120.1

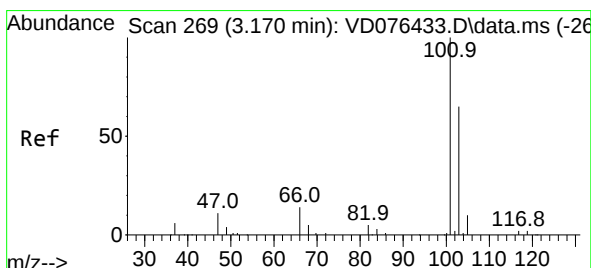
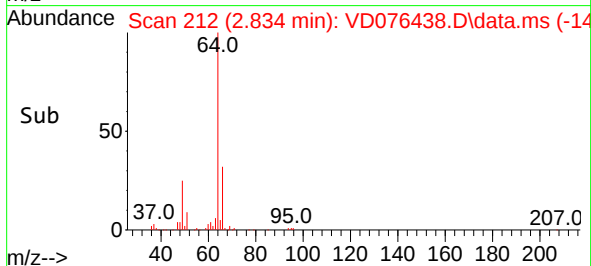
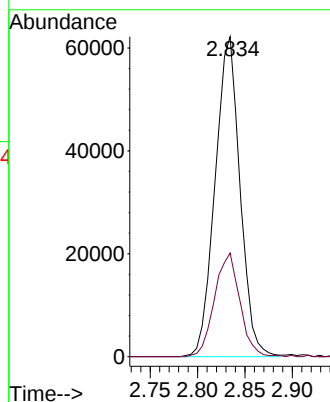
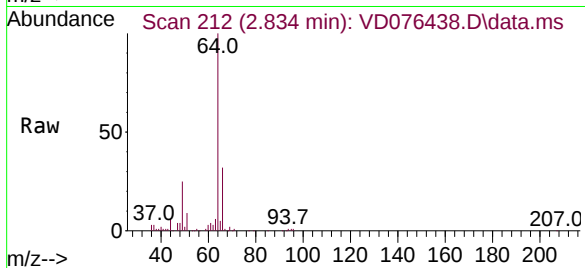




#8
Chloroethane
Concen: 24.908 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

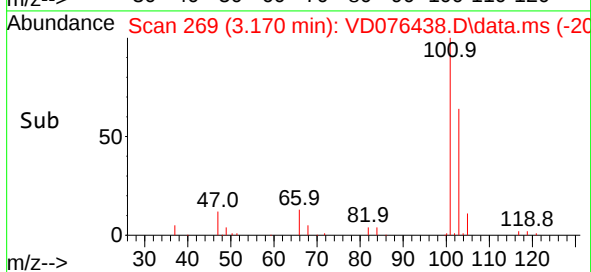
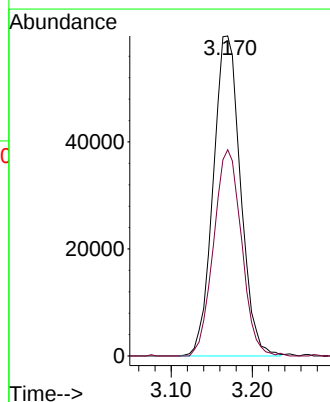
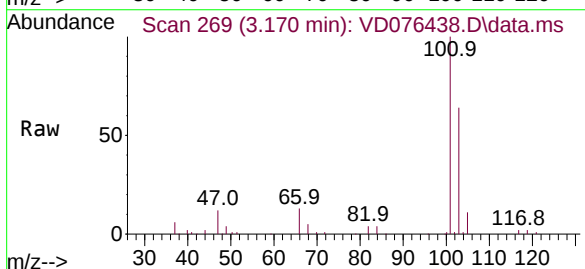
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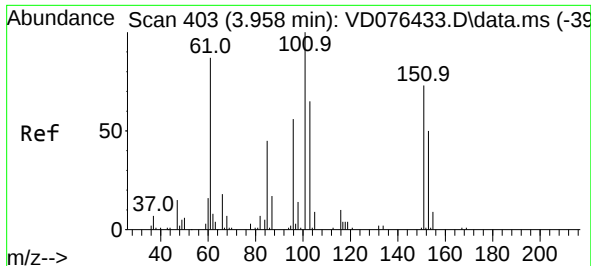
Tgt Ion: 64 Resp: 113793
Ion Ratio Lower Upper
64 100
66 32.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 25.919 ug/L
RT: 3.170 min Scan# 269
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion:101 Resp: 139775
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.6

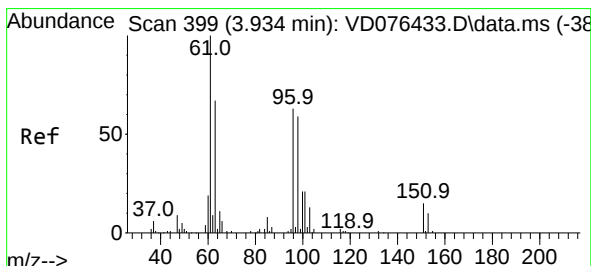
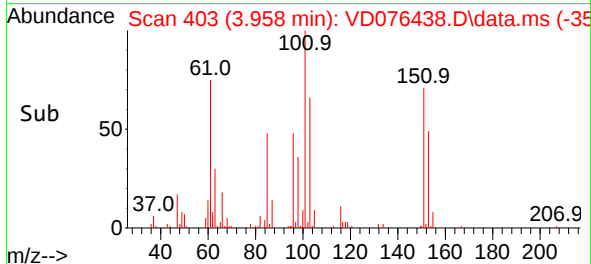
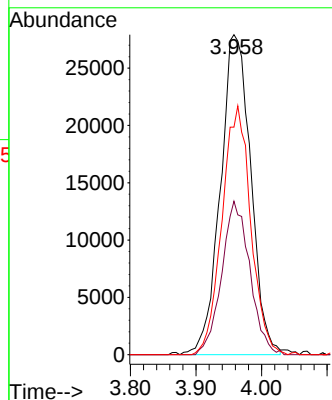
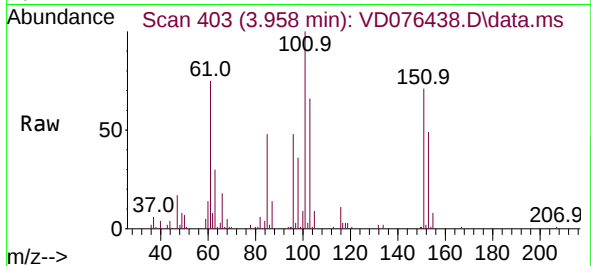




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.686 ug/L
 RT: 3.958 min Scan# 403
 Delta R.T. -0.000 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

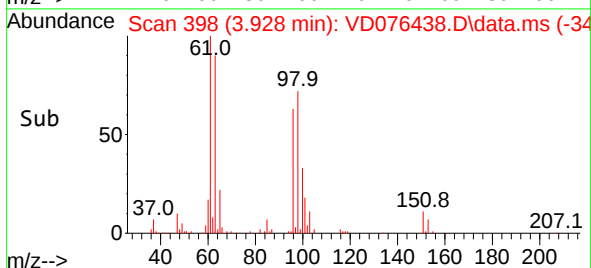
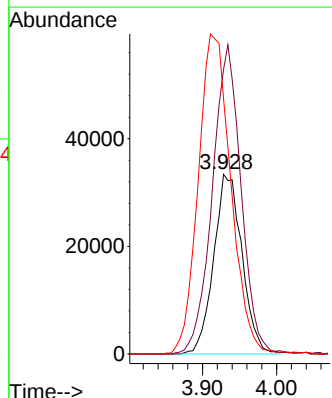
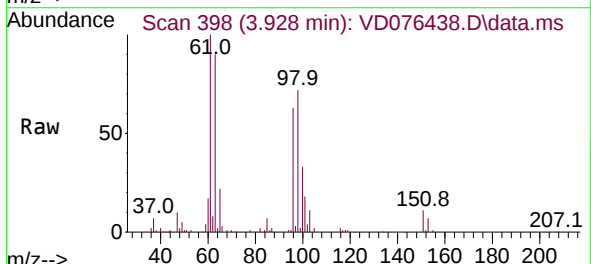
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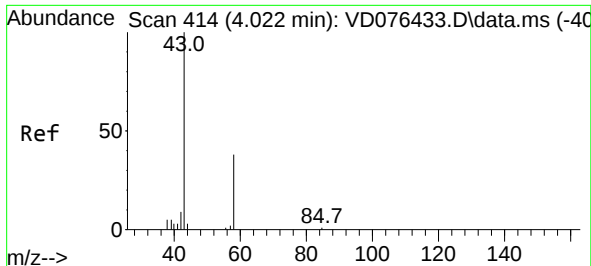
Tgt Ion:101 Resp: 89849
 Ion Ratio Lower Upper
 101 100
 85 44.3 35.5 53.3
 151 73.5 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 25.520 ug/L
 RT: 3.928 min Scan# 398
 Delta R.T. -0.006 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

Tgt Ion: 96 Resp: 88396
 Ion Ratio Lower Upper
 96 100
 61 158.4 113.0 209.8
 63 142.0 83.6 155.2





#13

Acetone

Concen: 44.808 ug/L

RT: 4.022 min Scan# 414

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

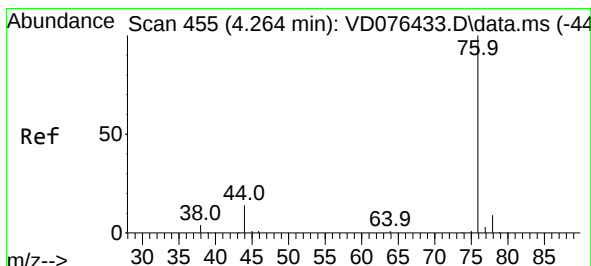
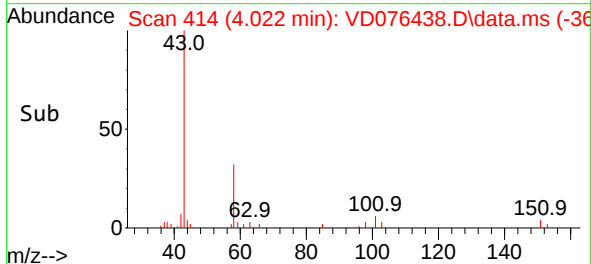
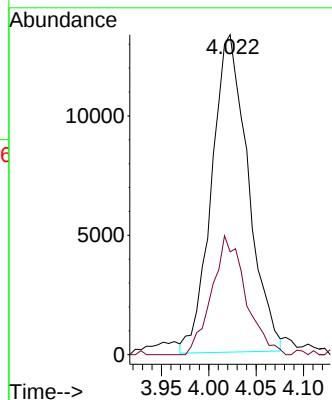
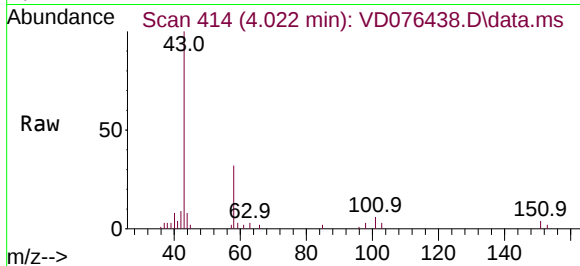
VSTD025158

Tgt Ion: 43 Resp: 35625

Ion Ratio Lower Upper

43 100

58 34.6 0.0 67.4



#14

Carbon disulfide

Concen: 24.763 ug/L

RT: 4.264 min Scan# 455

Delta R.T. -0.000 min

Lab File: VD076438.D

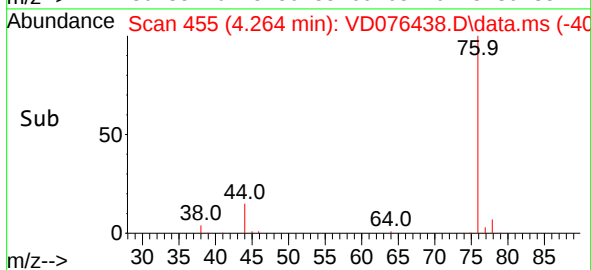
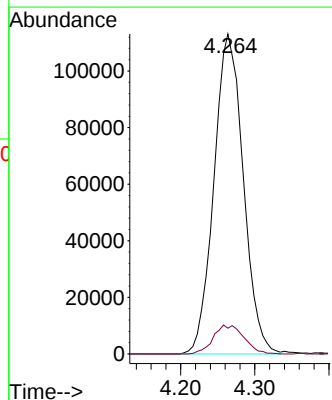
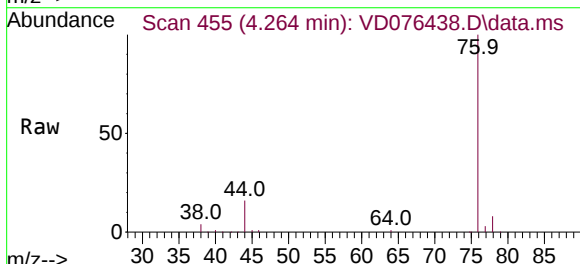
Acq: 15 Jun 2023 14:24

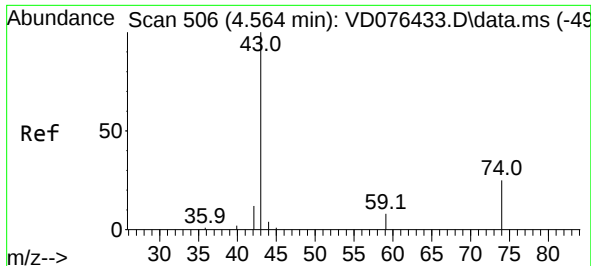
Tgt Ion: 76 Resp: 310926

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.4

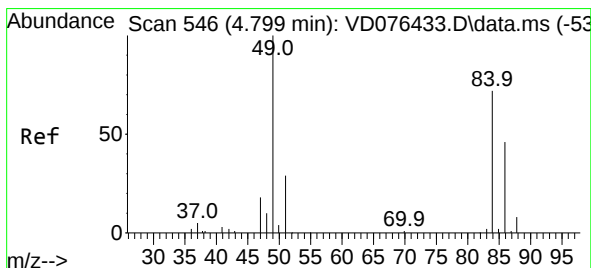
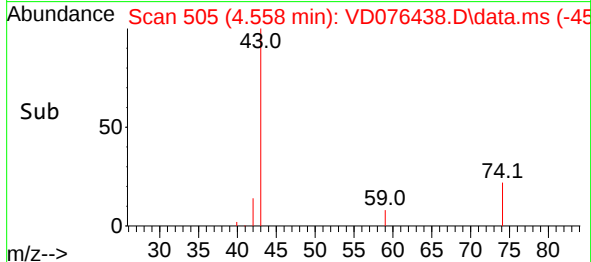
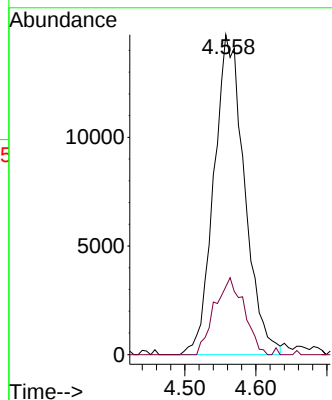
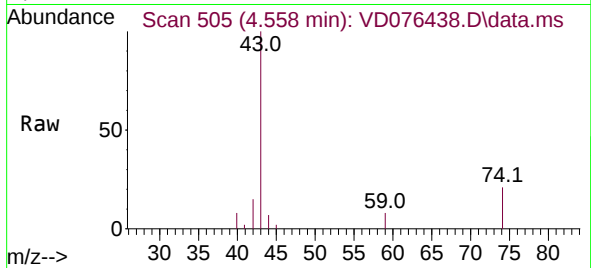




#15
Methyl Acetate
Concen: 24.252 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

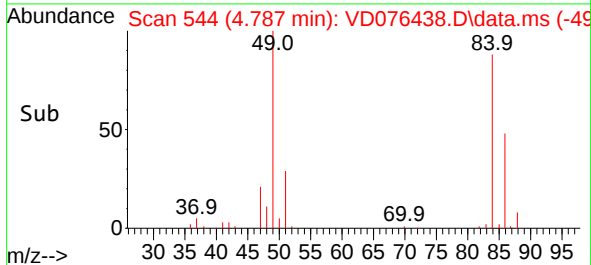
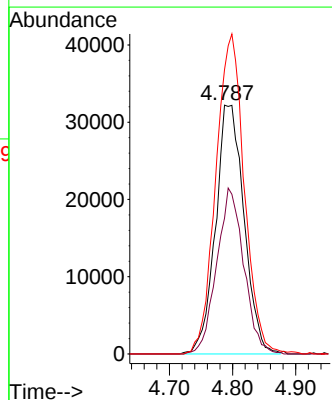
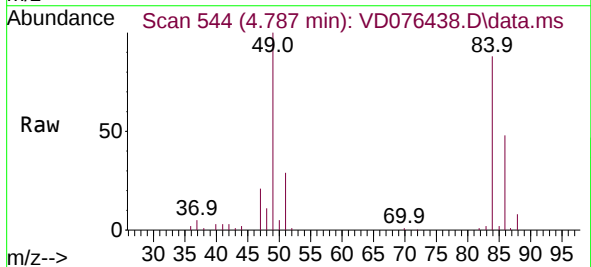
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

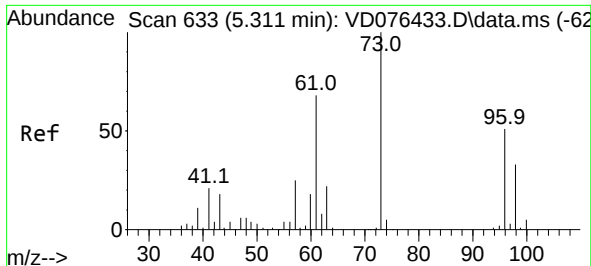
Tgt Ion: 43 Resp: 44017
Ion Ratio Lower Upper
43 100
74 23.4 18.2 27.2



#16
Methylene chloride
Concen: 21.764 ug/L
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion: 84 Resp: 100963
Ion Ratio Lower Upper
84 100
86 54.5 45.1 83.9
49 114.3 97.2 180.6

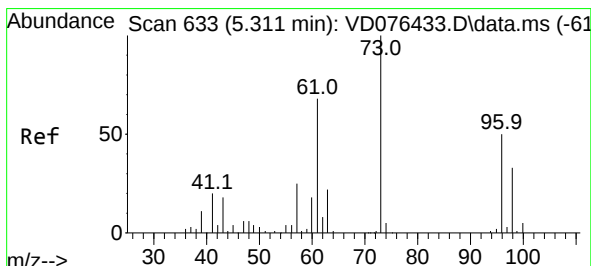
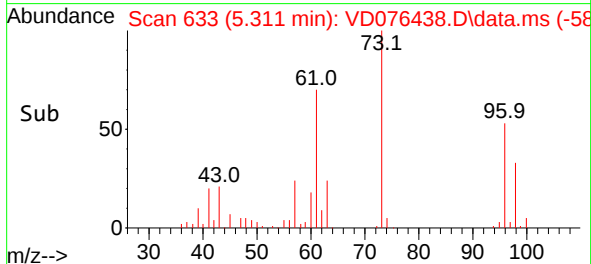
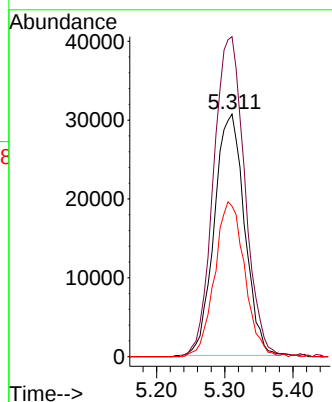
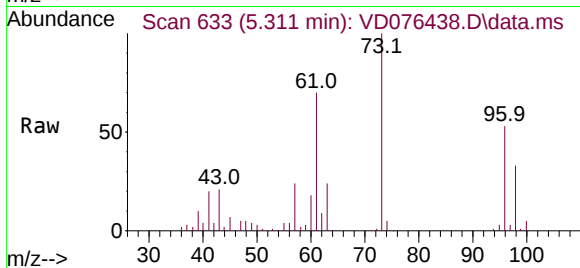




#17
trans-1,2-Dichloroethene
Concen: 24.410 ug/L
RT: 5.311 min Scan# 611
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

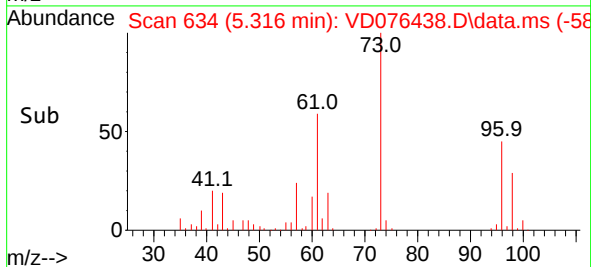
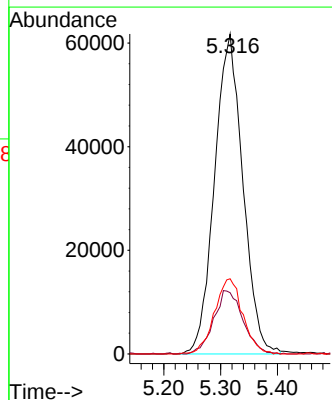
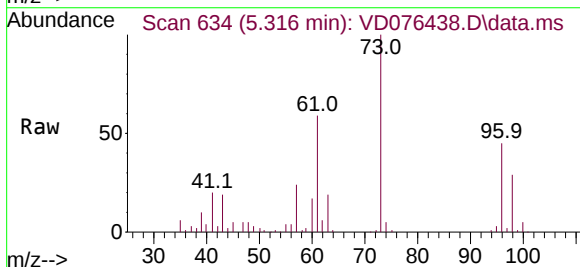
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

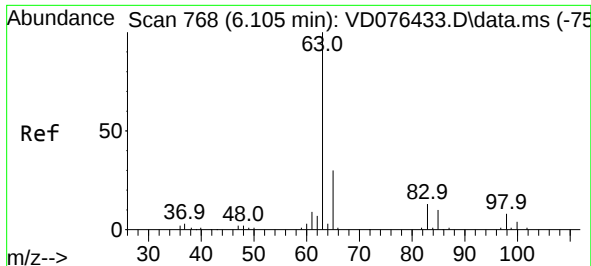
Tgt Ion: 96 Resp: 94266
Ion Ratio Lower Upper
96 100
61 131.9 94.5 175.5
98 62.0 46.0 85.4



#18
Methyl tert-butyl Ether
Concen: 24.293 ug/L
RT: 5.316 min Scan# 634
Delta R.T. 0.006 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion: 73 Resp: 213579
Ion Ratio Lower Upper
73 100
43 20.5 7.2 10.8#
57 23.3 18.6 28.0





#19

1,1-Dichloroethane

Concen: 24.704 ug/L

RT: 6.105 min Scan# 768

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTD025158

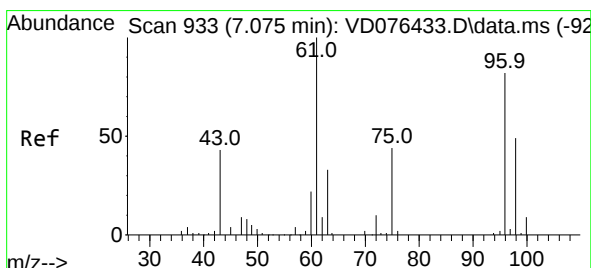
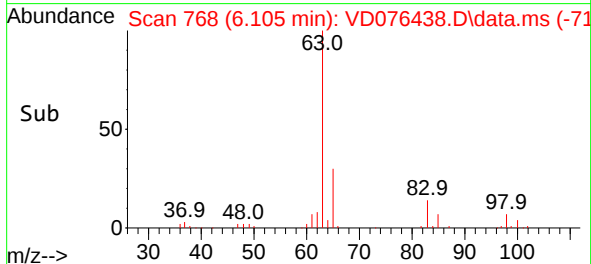
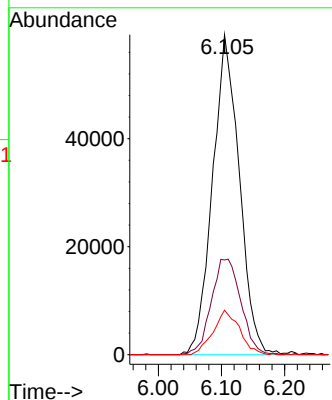
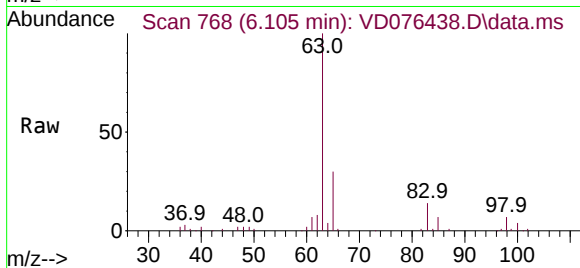
Tgt Ion: 63 Resp: 174420

Ion Ratio Lower Upper

63 100

65 29.6 20.8 38.6

83 13.9 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 24.929 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

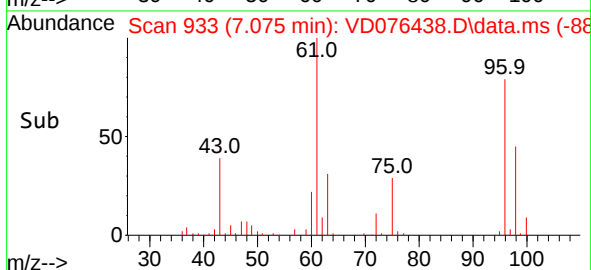
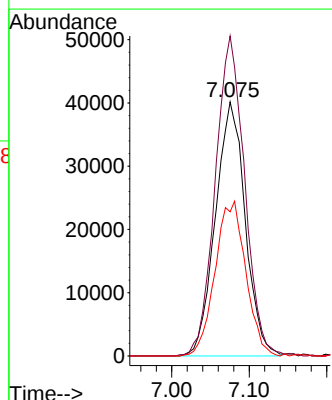
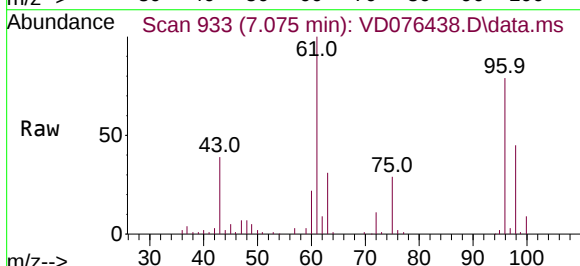
Tgt Ion: 96 Resp: 107513

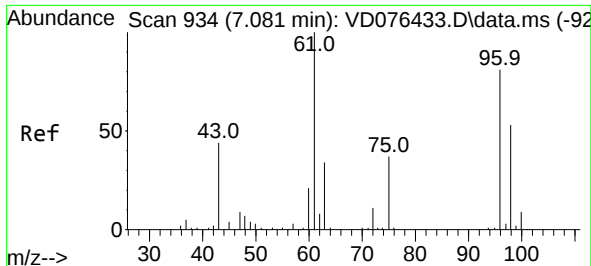
Ion Ratio Lower Upper

96 100

61 126.0 86.0 159.6

98 56.8 42.2 78.4

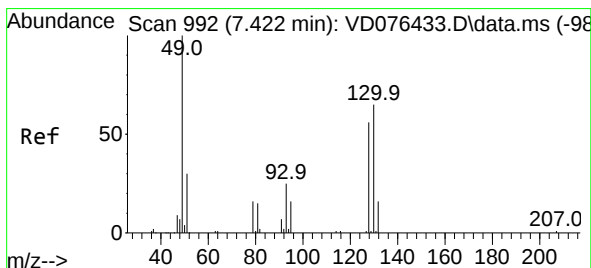
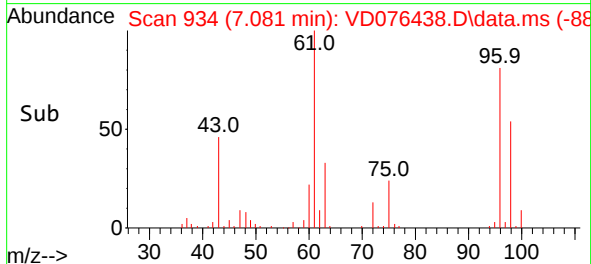
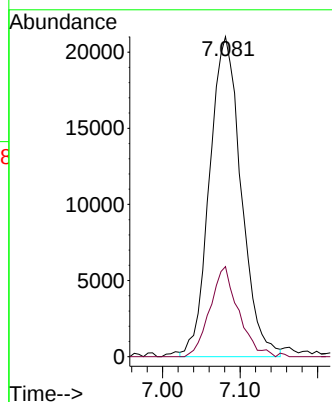
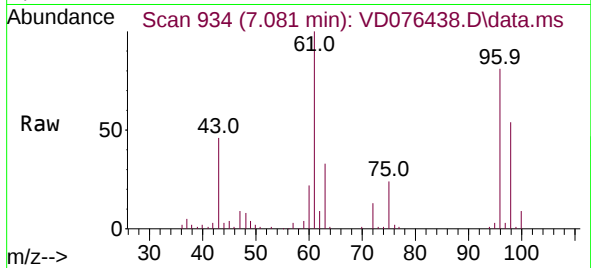




#22
2-Butanone
Concen: 46.435 ug/L
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

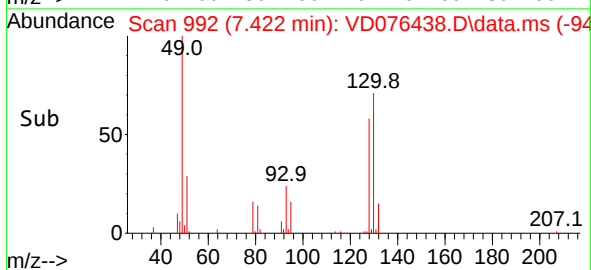
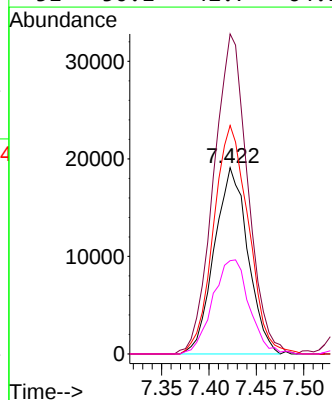
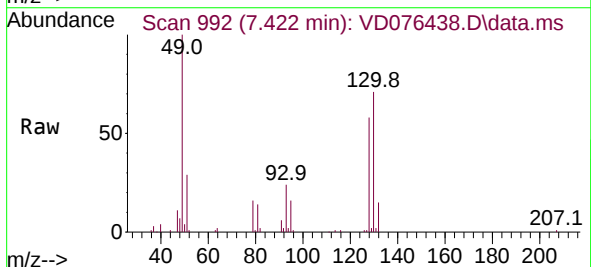
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

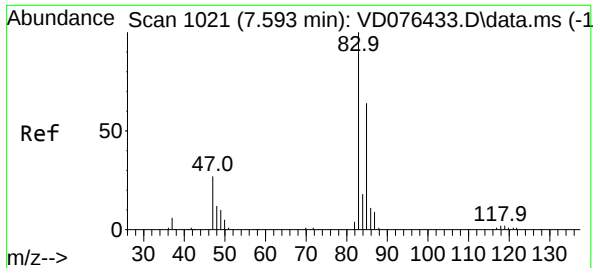
Tgt Ion: 43 Resp: 59579
Ion Ratio Lower Upper
43 100
72 24.8 12.9 38.7



#23
Bromochloromethane
Concen: 25.701 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion: 128 Resp: 47044
Ion Ratio Lower Upper
128 100
49 171.9 124.7 231.7
130 122.8 80.0 148.6
51 50.1 42.7 64.1

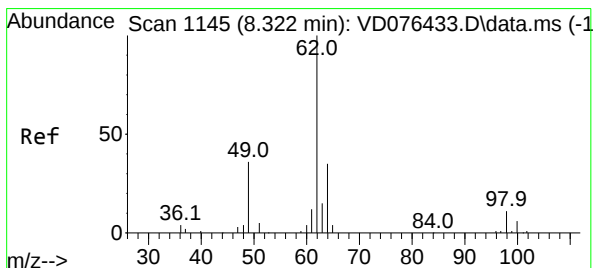
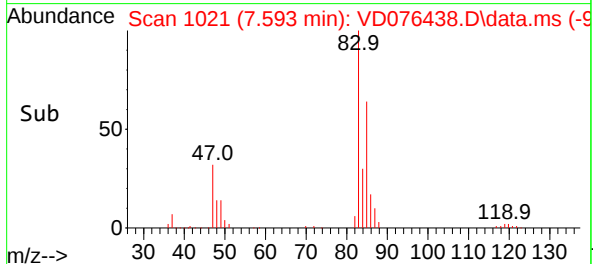
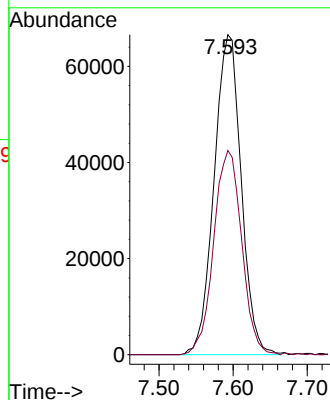
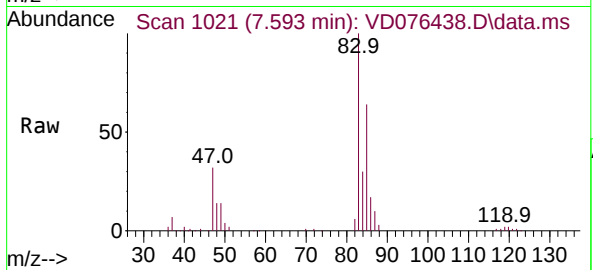




#25
Chloroform
Concen: 24.568 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

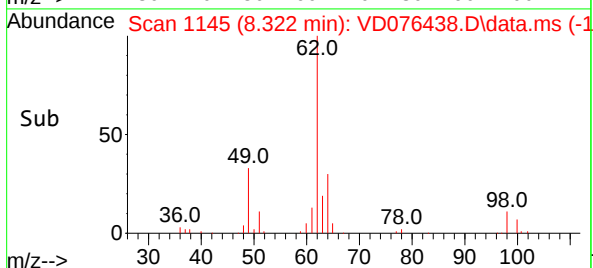
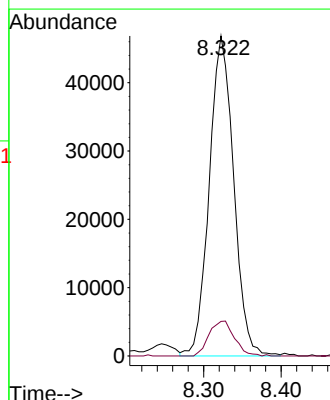
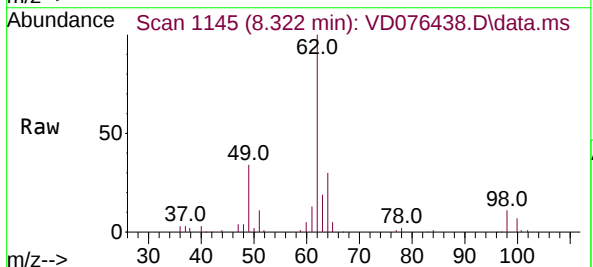
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

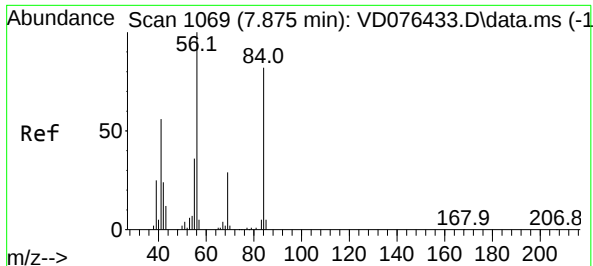
Tgt Ion: 83 Resp: 169279
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 24.251 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion: 62 Resp: 102762
Ion Ratio Lower Upper
62 100
98 10.8 8.7 13.1





#29

Cyclohexane

Concen: 26.316 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTD025158

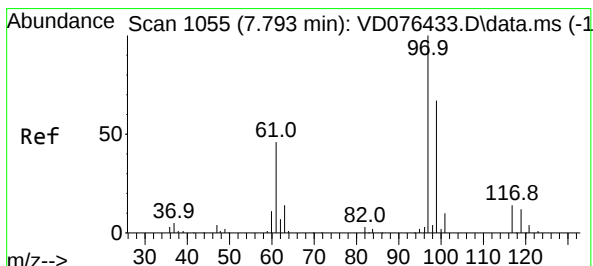
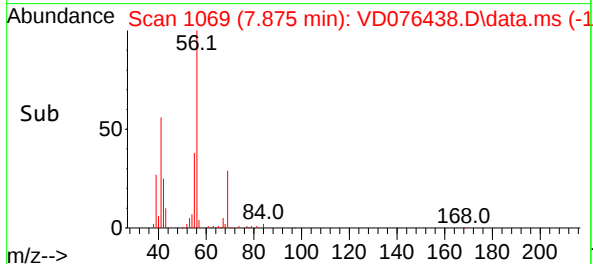
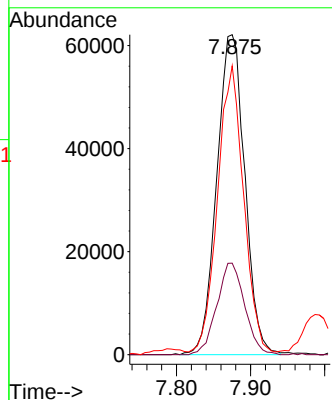
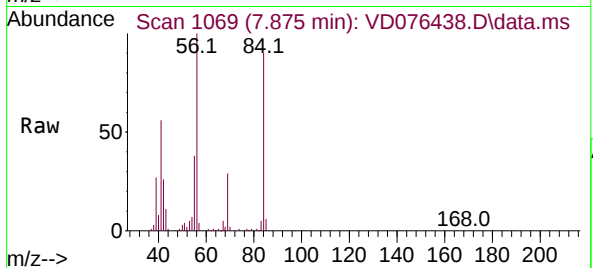
Tgt Ion: 56 Resp: 163315

Ion Ratio Lower Upper

56 100

69 28.4 23.4 35.0

84 84.4 66.3 99.5



#30

1,1,1-Trichloroethane

Concen: 25.952 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

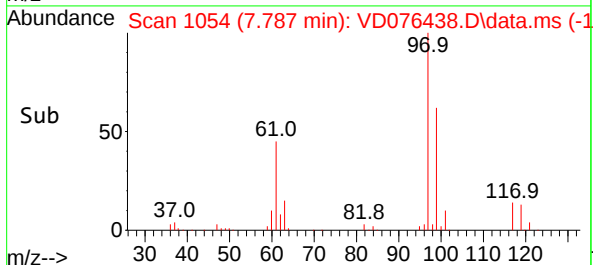
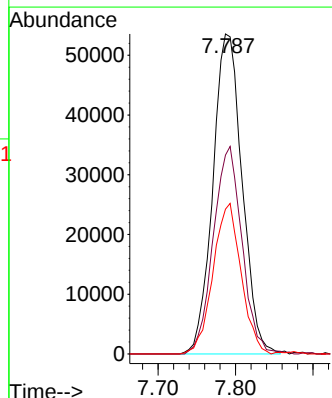
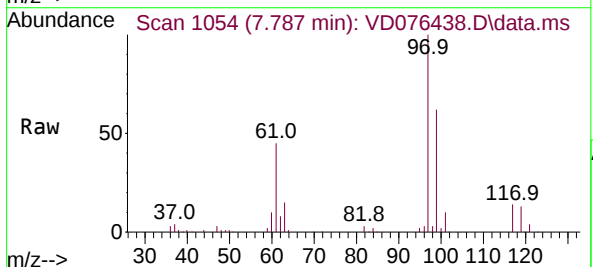
Tgt Ion: 97 Resp: 140703

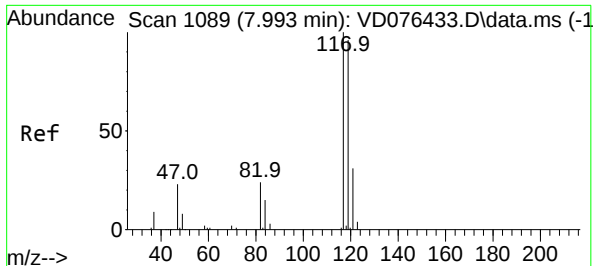
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.6

61 45.1 36.4 54.6

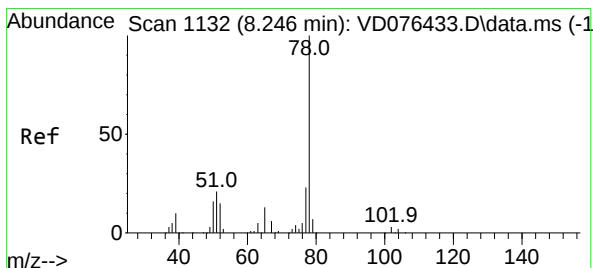
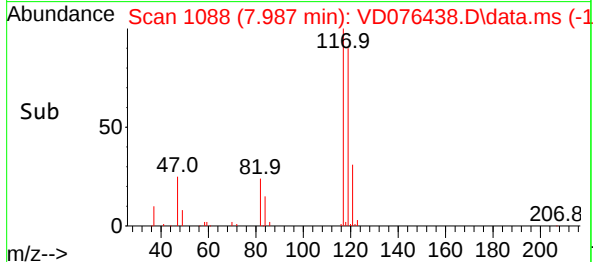
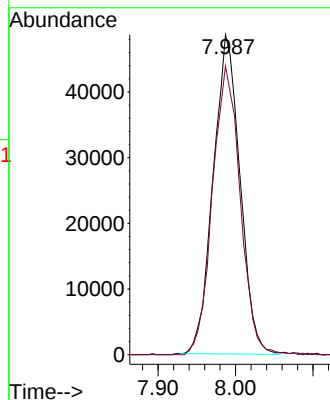
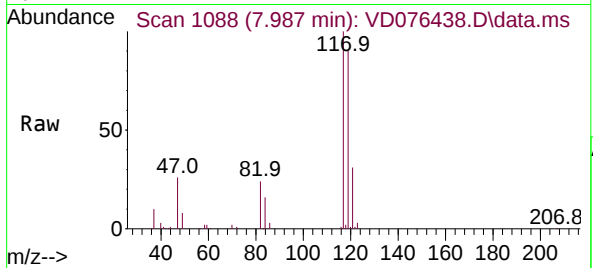




#31
Carbon tetrachloride
Concen: 26.999 ug/L
RT: 7.987 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

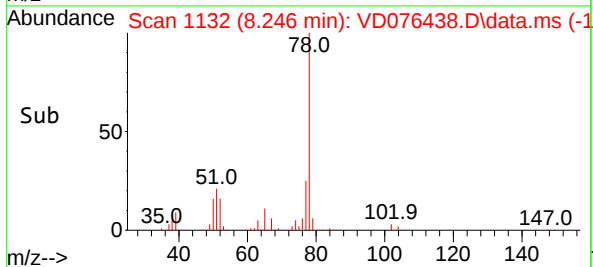
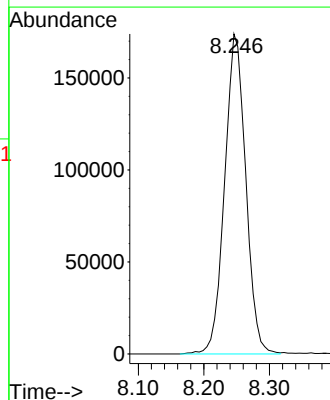
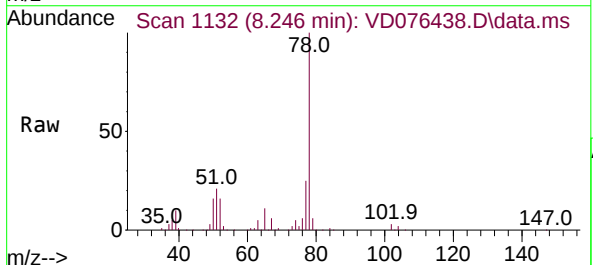
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

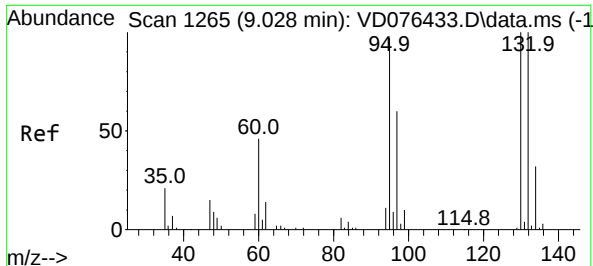
Tgt Ion:117 Resp: 117067
Ion Ratio Lower Upper
117 100
119 93.1 77.8 116.6



#33
Benzene
Concen: 25.189 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion: 78 Resp: 389073





#34

Trichloroethene

Concen: 25.050 ug/L

RT: 9.028 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTD025158

Tgt Ion: 95 Resp: 99392

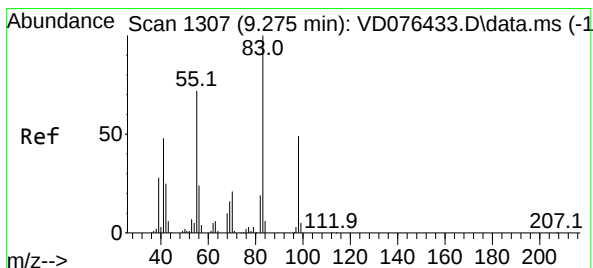
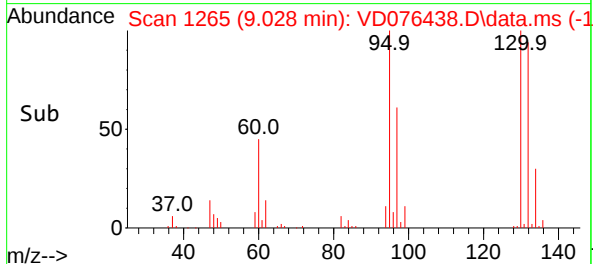
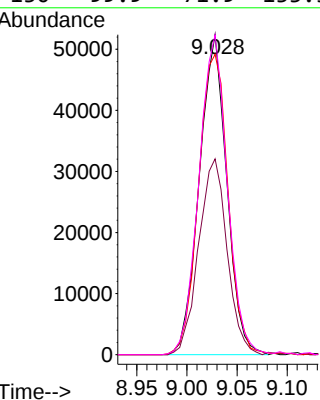
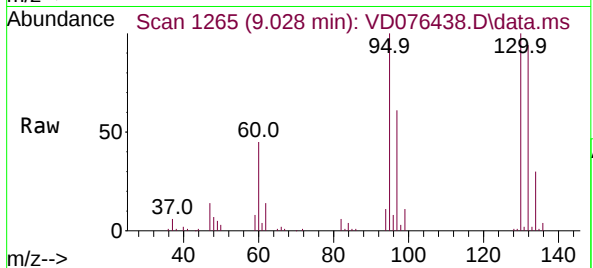
Ion Ratio Lower Upper

95 100

97 61.2 43.1 80.1

132 93.8 71.8 133.4

130 99.9 71.9 133.5



#35

Methylcyclohexane

Concen: 26.384 ug/L

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

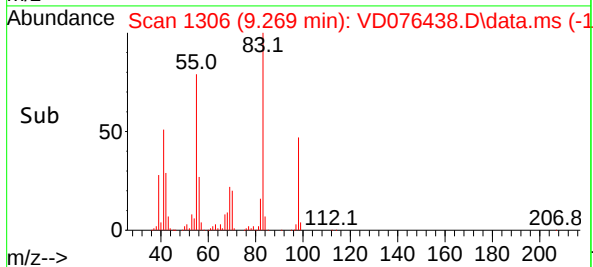
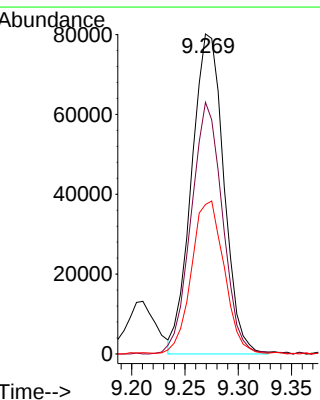
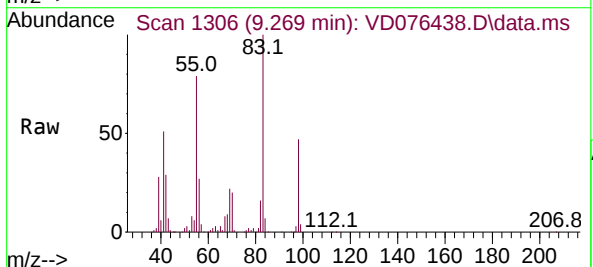
Tgt Ion: 83 Resp: 168818

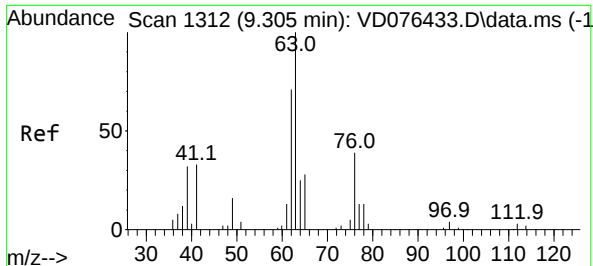
Ion Ratio Lower Upper

83 100

55 76.6 59.8 89.6

98 48.5 37.8 56.6





#37

1,2-Dichloropropane

Concen: 24.648 ug/L

RT: 9.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

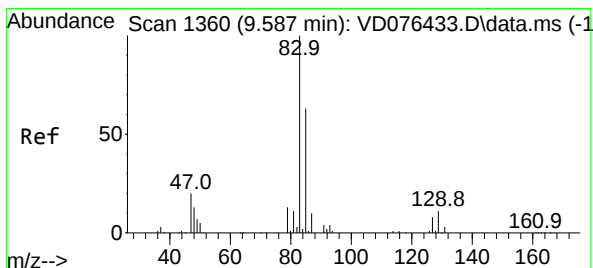
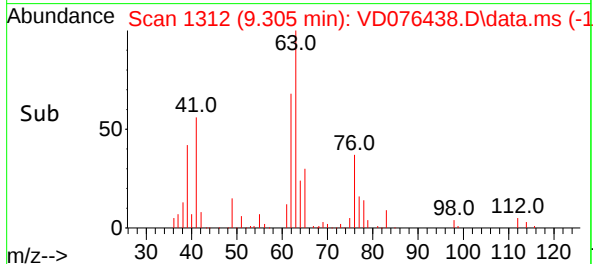
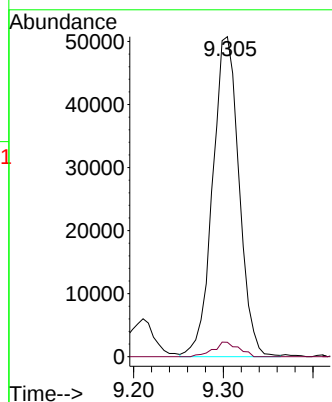
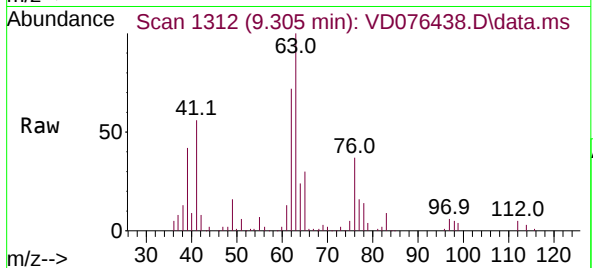
VSTD025158

Tgt Ion: 63 Resp: 103794

Ion Ratio Lower Upper

63 100

112 4.4 3.1 4.7



#38

Bromodichloromethane

Concen: 25.403 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

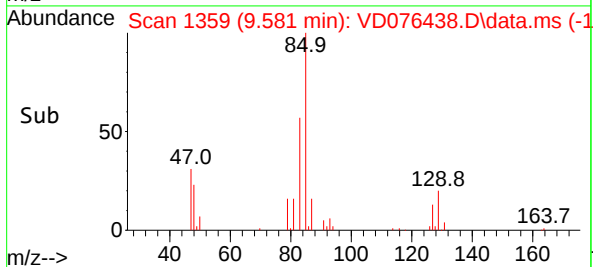
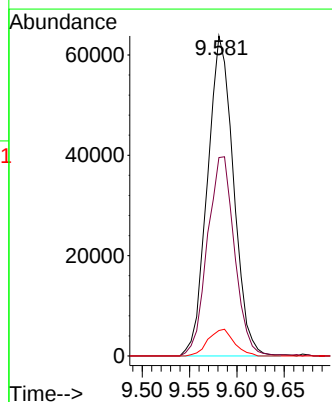
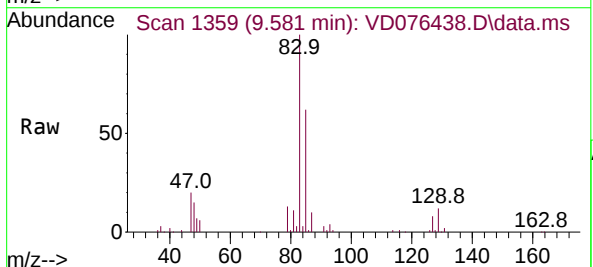
Tgt Ion: 83 Resp: 122009

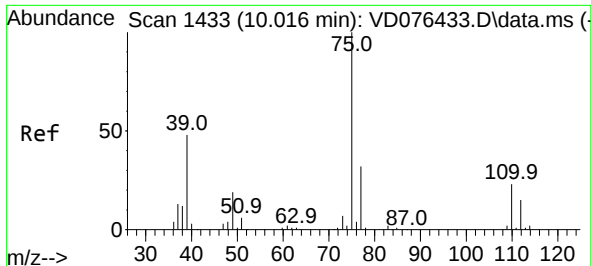
Ion Ratio Lower Upper

83 100

85 62.0 43.9 81.5

127 9.1 6.6 9.8

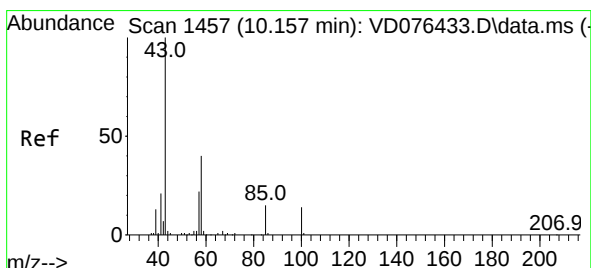
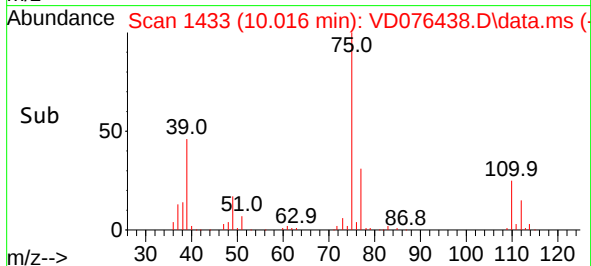
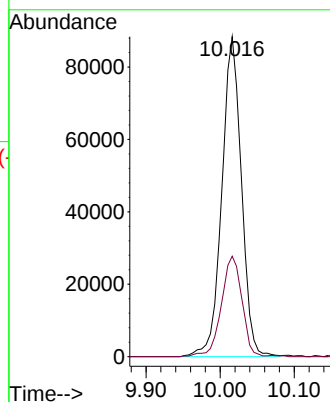
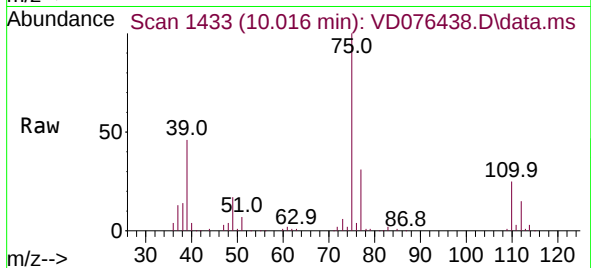




#39
 cis-1,3-Dichloropropene
 Concen: 25.256 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

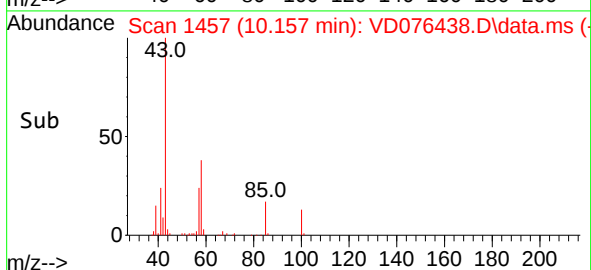
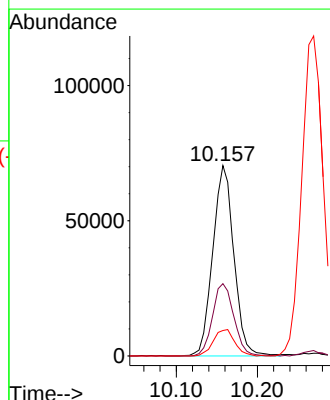
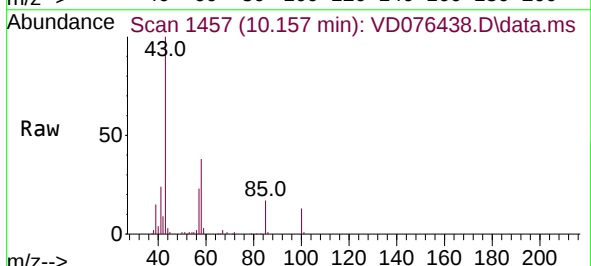
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025158

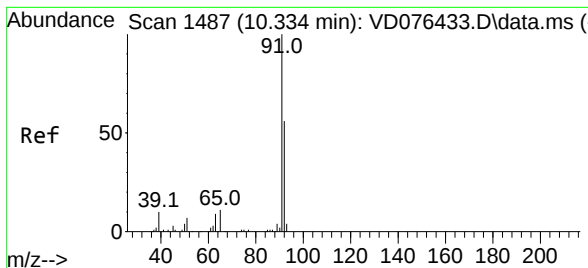
Tgt Ion: 75 Resp: 162404
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 48.614 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. -0.000 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

Tgt Ion: 43 Resp: 127354
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.7 46.1
 100 14.1 11.0 16.4





#42

Toluene

Concen: 25.174 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

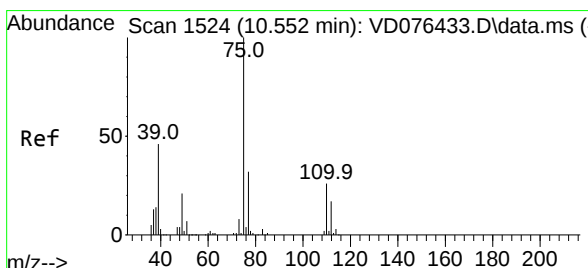
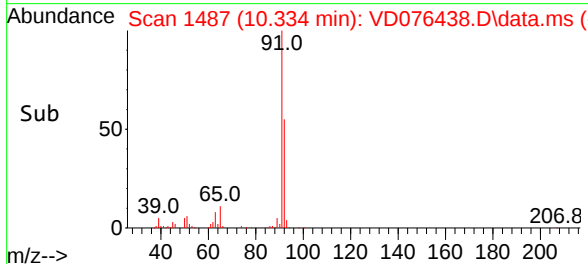
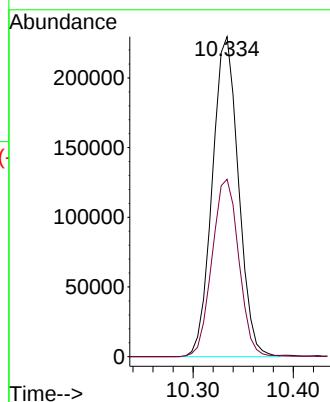
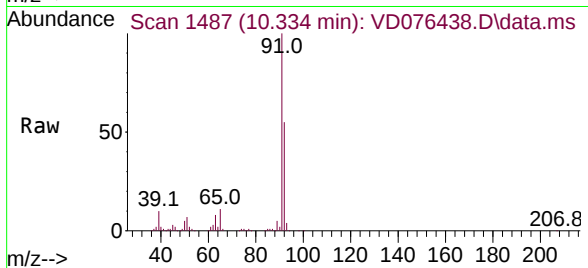
VSTD025158

Tgt Ion: 91 Resp: 415527

Ion Ratio Lower Upper

91 100

92 55.4 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 25.311 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. -0.000 min

Lab File: VD076438.D

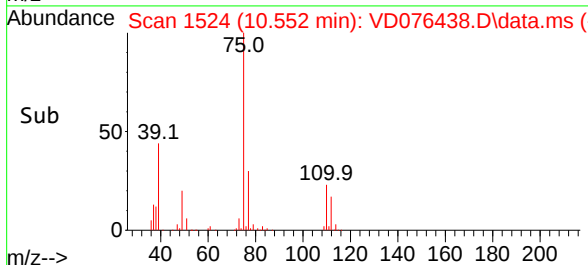
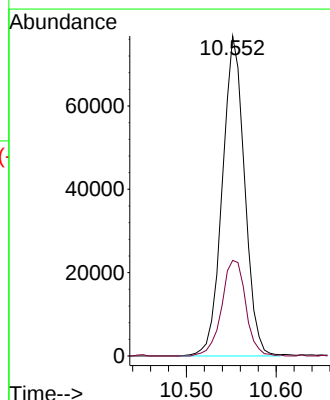
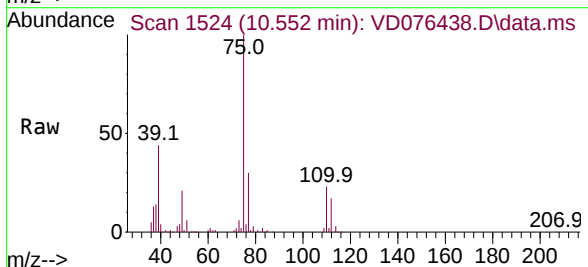
Acq: 15 Jun 2023 14:24

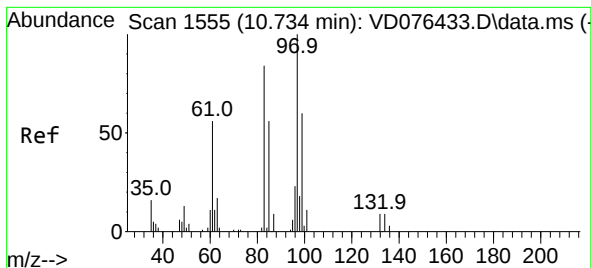
Tgt Ion: 75 Resp: 132295

Ion Ratio Lower Upper

75 100

77 29.9 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 24.886 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTD025158

Tgt Ion: 97 Resp: 71883

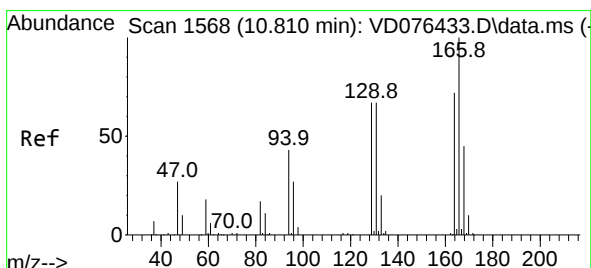
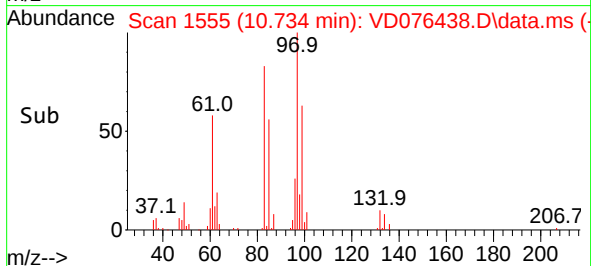
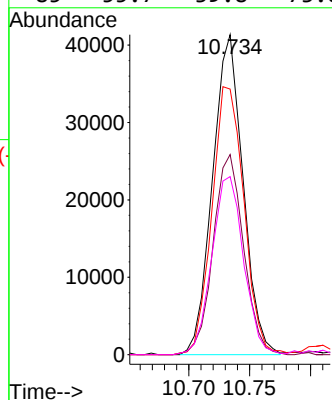
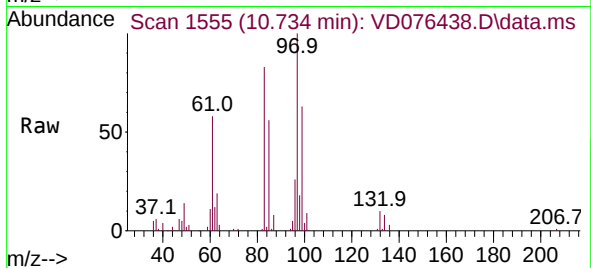
Ion Ratio Lower Upper

97 100

99 62.5 41.9 77.9

83 83.0 59.2 110.0

85 55.7 39.8 73.8



#46

Tetrachloroethene

Concen: 25.335 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Tgt Ion:164 Resp: 79027

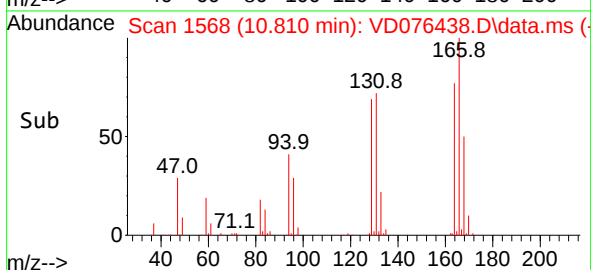
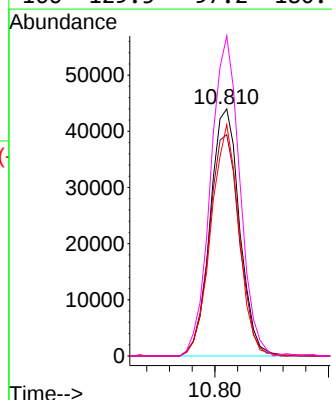
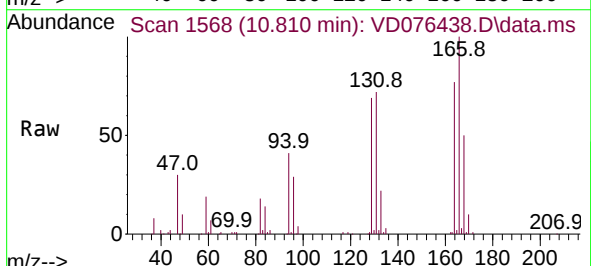
Ion Ratio Lower Upper

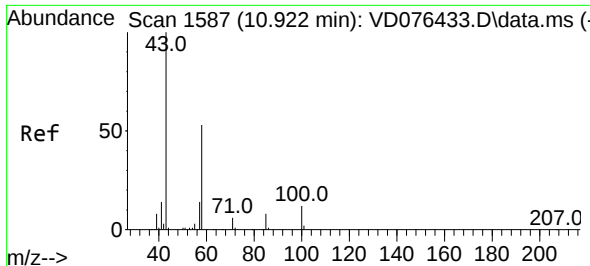
164 100

129 89.6 65.5 121.6

131 93.7 64.8 120.3

166 129.5 97.2 180.4

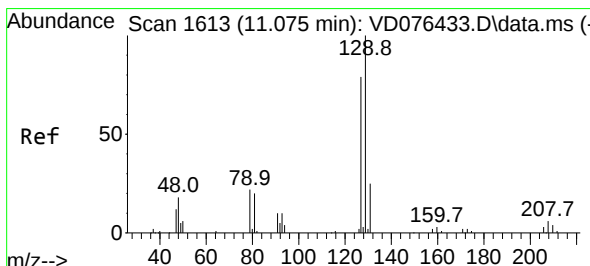
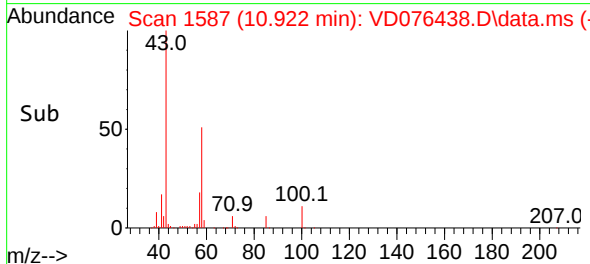
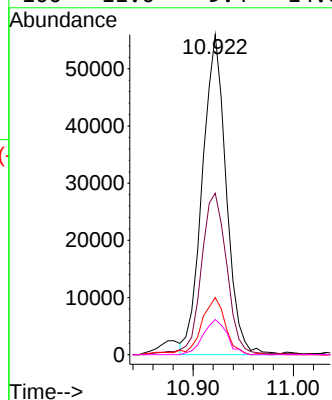
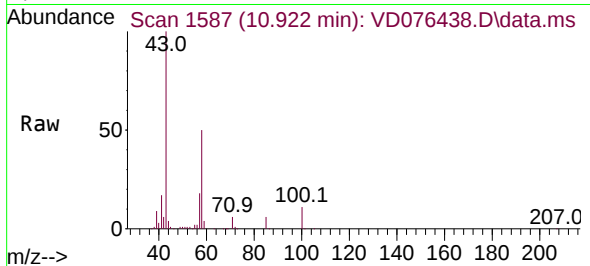




#48
2-Hexanone
Concen: 51.625 ug/L
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

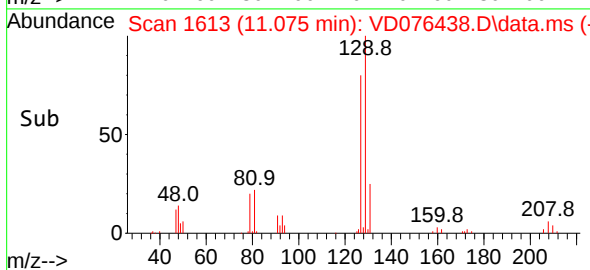
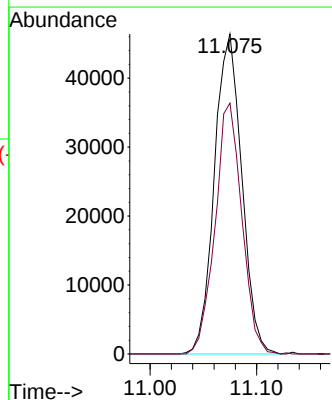
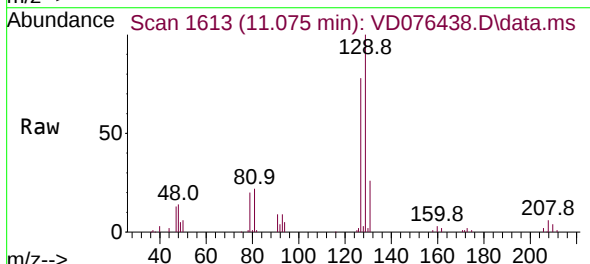
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

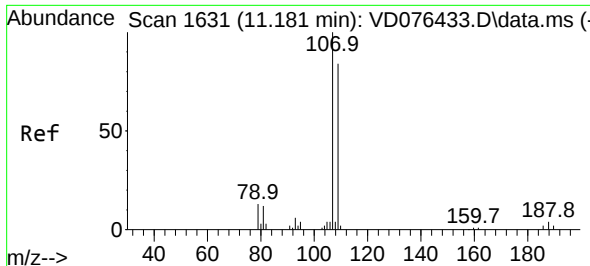
Tgt Ion: 43	Resp: 92624
Ion Ratio	Lower Upper
43 100	
58 54.0	42.9 64.3
57 17.1	13.7 20.5
100 11.0	9.4 14.0



#49
Dibromochloromethane
Concen: 25.233 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion:129	Resp:	82828	
Ion	Ratio	Lower	Upper
129	100		
127	78.4	55.2	102.6

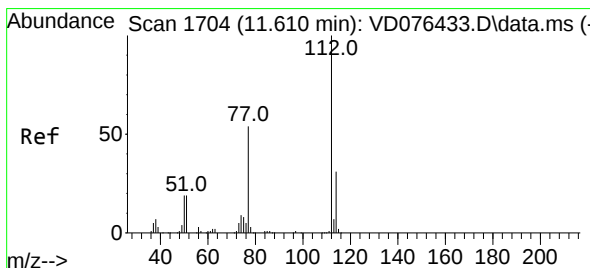
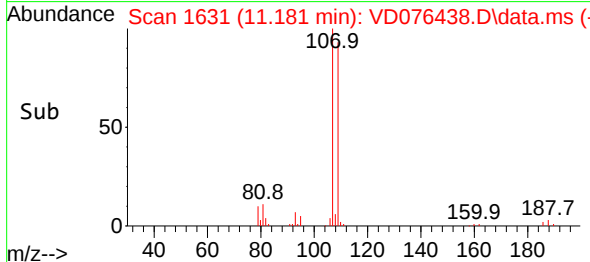
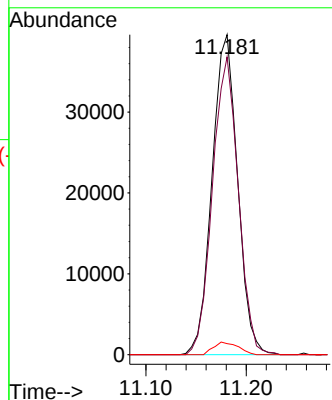
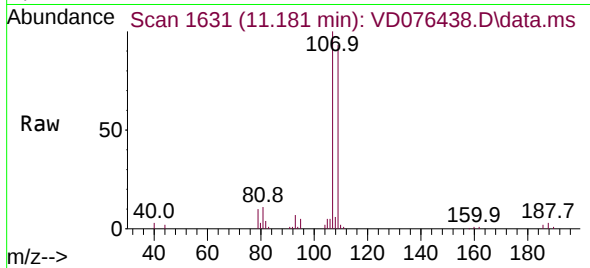




#50
1,2-Dibromoethane
Concen: 24.947 ug/L
RT: 11.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

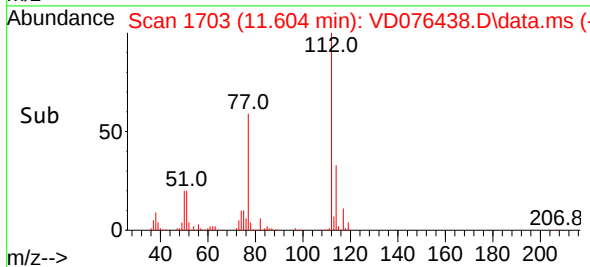
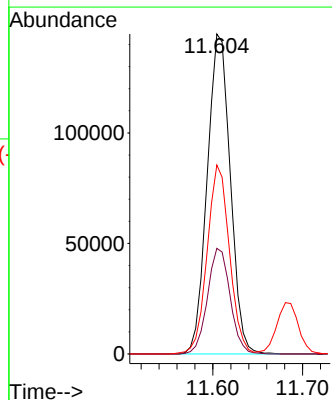
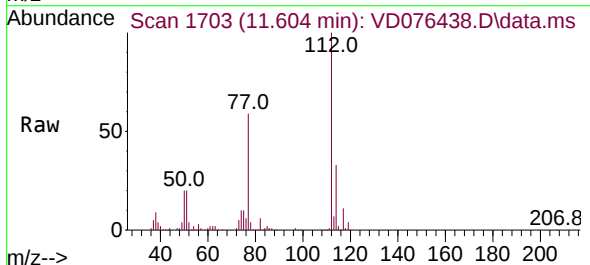
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

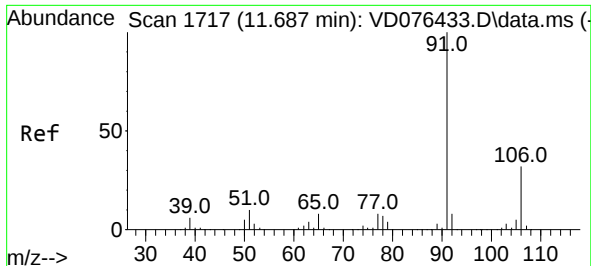
Tgt Ion:107 Resp: 69938
Ion Ratio Lower Upper
107 100
109 93.0 58.8 109.2
188 3.5 2.9 4.3



#51
Chlorobenzene
Concen: 25.092 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion:112 Resp: 258582
Ion Ratio Lower Upper
112 100
114 33.0 21.5 39.9
77 59.0 43.4 65.2

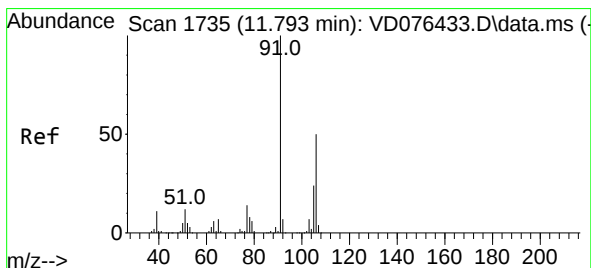
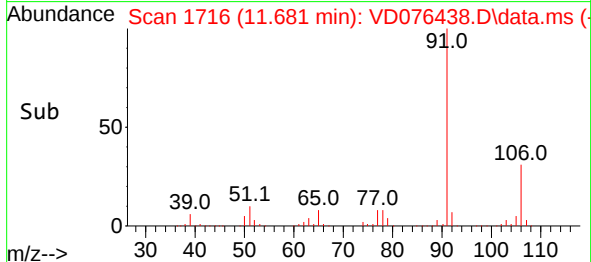
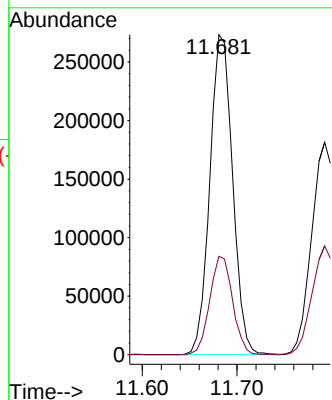
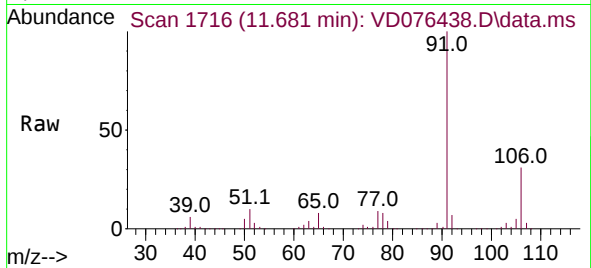




#52
Ethylbenzene
Concen: 25.697 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

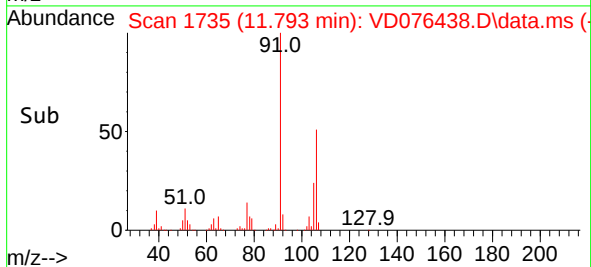
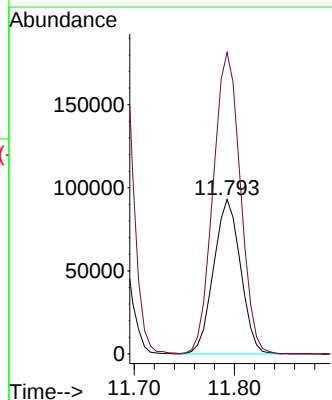
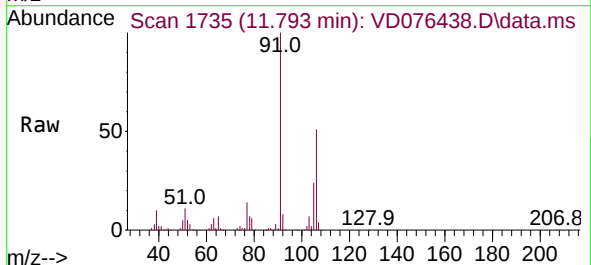
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

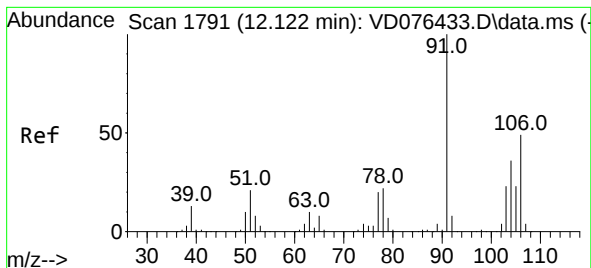
Tgt Ion: 91 Resp: 457174
Ion Ratio Lower Upper
91 100
106 30.7 22.4 41.6



#53
m,p-Xylene
Concen: 24.830 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion:106 Resp: 173600
Ion Ratio Lower Upper
106 100
91 195.1 141.5 262.9





#54

o-Xylene

Concen: 25.266 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

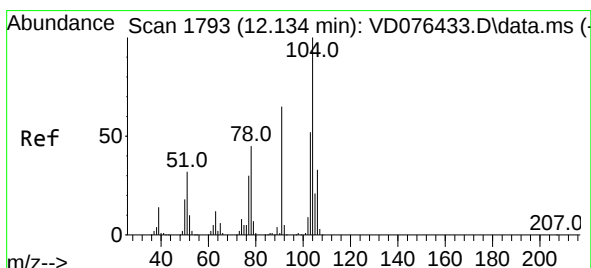
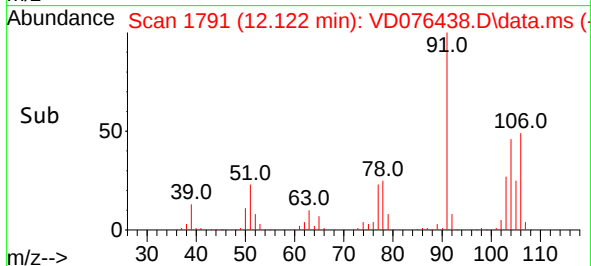
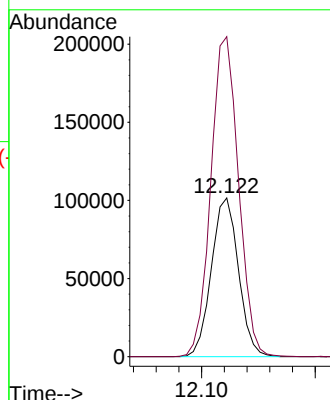
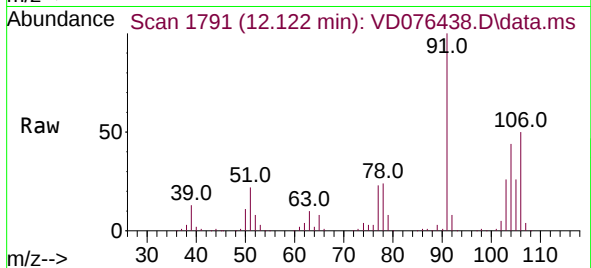
VSTD025158

Tgt Ion:106 Resp: 168196

Ion Ratio Lower Upper

106 100

91 201.7 142.2 264.2



#55

Styrene

Concen: 25.310 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD076438.D

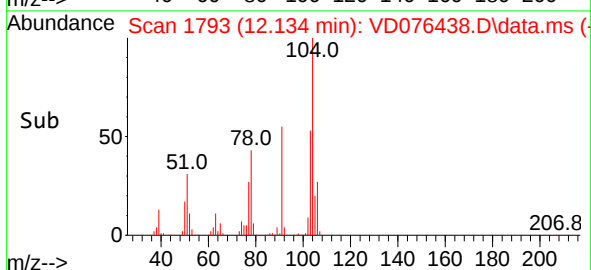
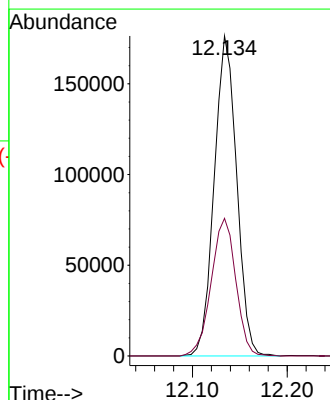
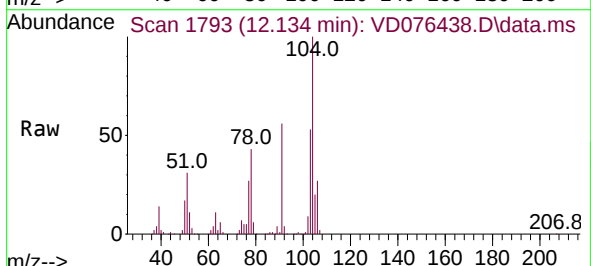
Acq: 15 Jun 2023 14:24

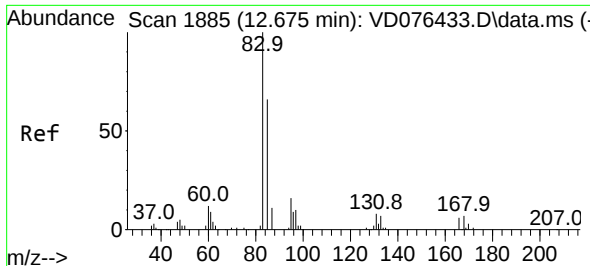
Tgt Ion:104 Resp: 291097

Ion Ratio Lower Upper

104 100

78 43.0 31.3 58.1

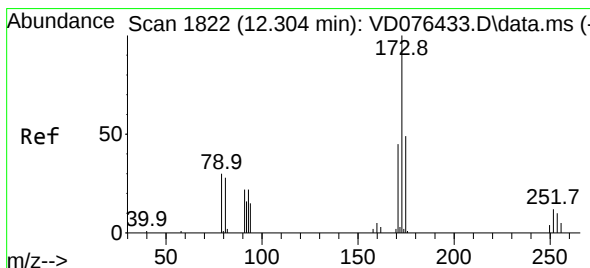
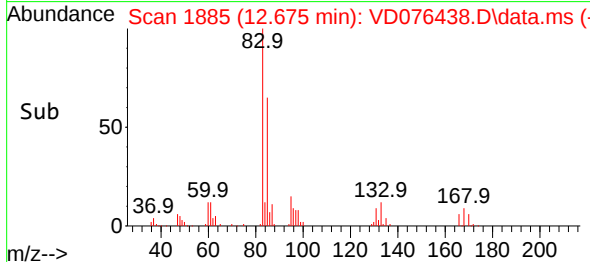
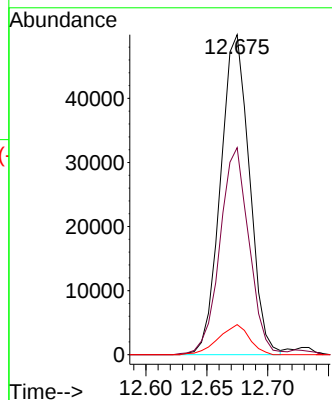
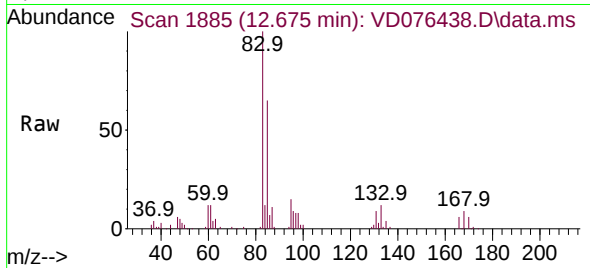




#57
1,1,2,2-Tetrachloroethane
Concen: 24.993 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

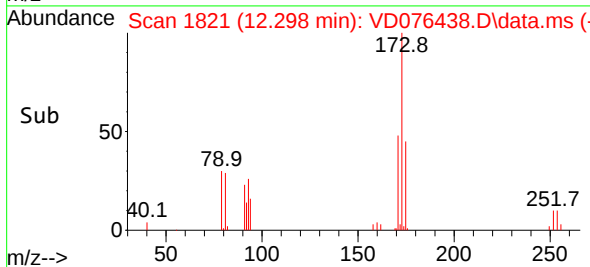
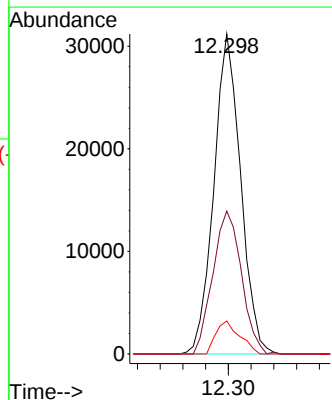
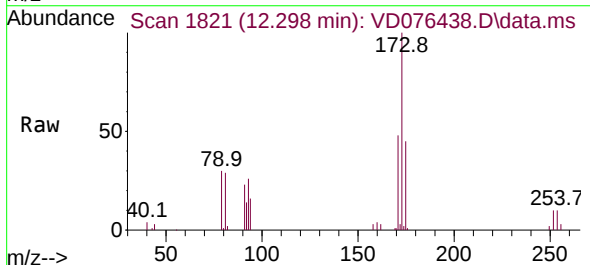
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

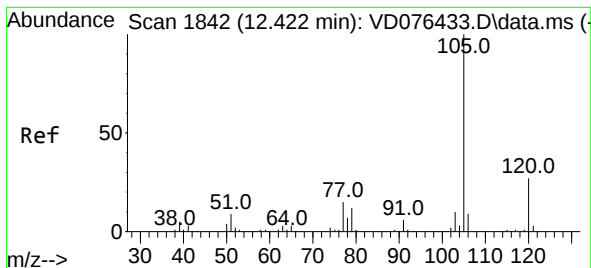
Tgt Ion:	83	Resp:	82503
Ion Ratio	Lower	Upper	
83	100		
85	64.7	46.3	86.1
131	9.4	7.0	10.4



#59
Bromoform
Concen: 25.356 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion:	173	Resp:	51060
Ion Ratio	Lower	Upper	
173	100		
175	47.6	39.0	58.4
254	9.1	5.3	7.9#





#60

Isopropylbenzene

Concen: 25.331 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTD025158

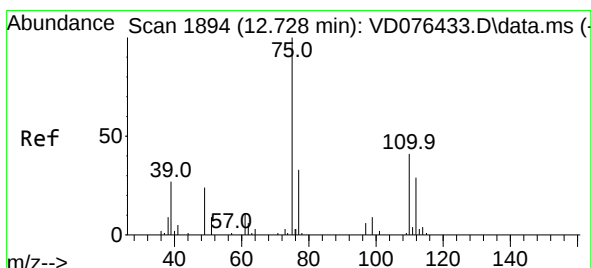
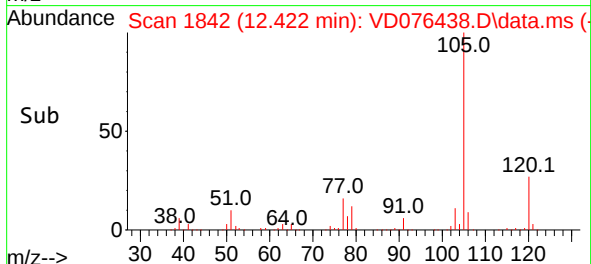
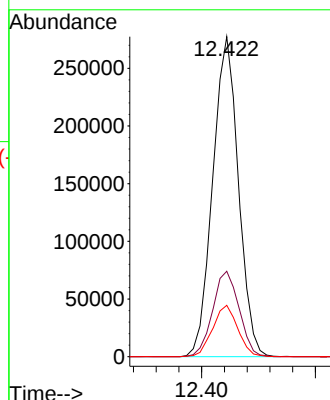
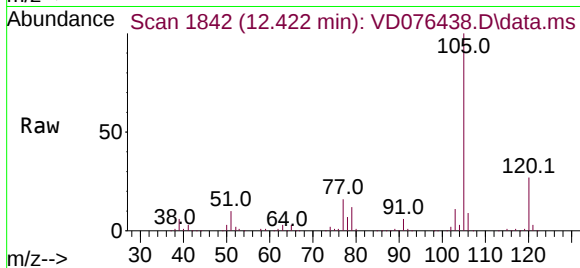
Tgt Ion:105 Resp: 435845

Ion Ratio Lower Upper

105 100

120 27.4 21.3 31.9

77 15.8 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 25.268 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

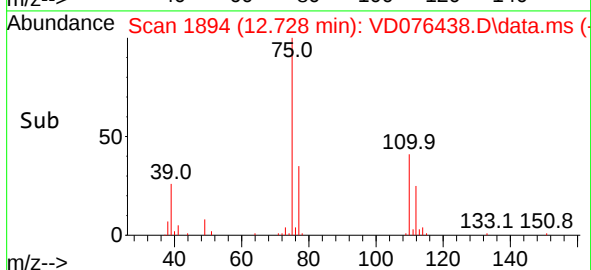
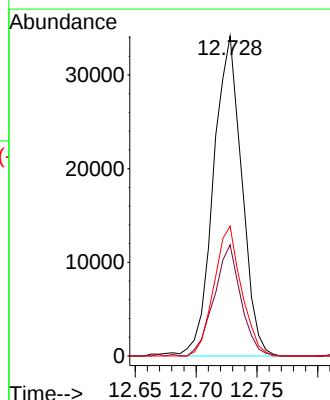
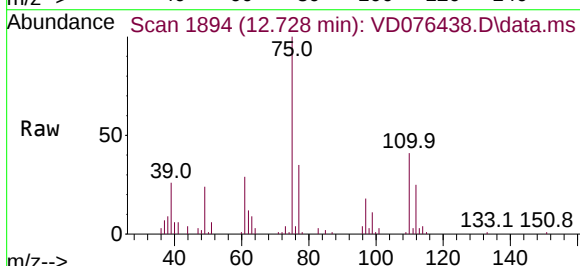
Tgt Ion: 75 Resp: 55163

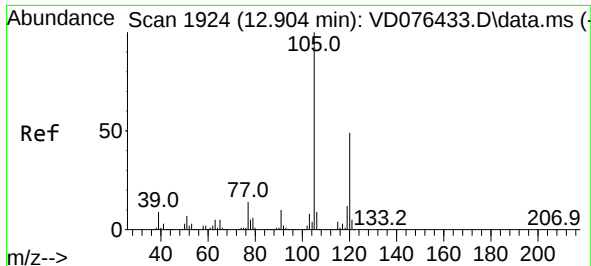
Ion Ratio Lower Upper

75 100

77 33.0 27.2 40.8

110 39.3 31.8 47.6

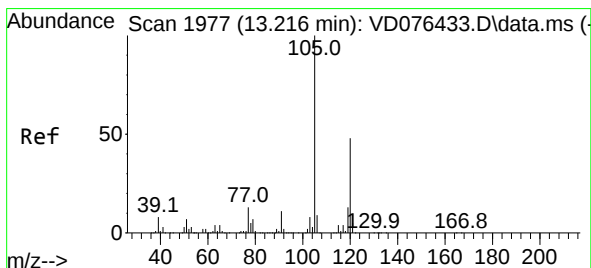
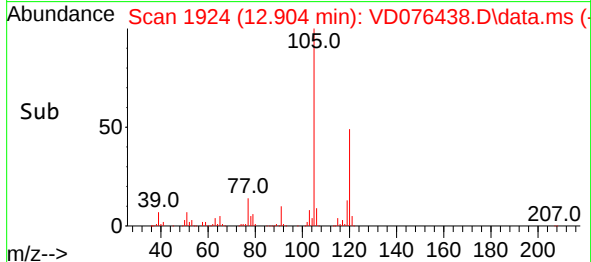
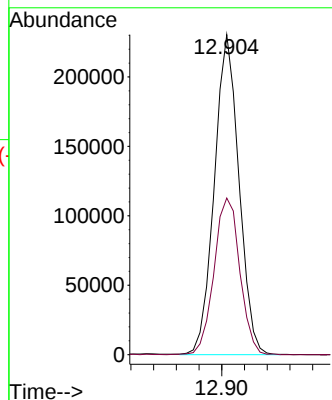
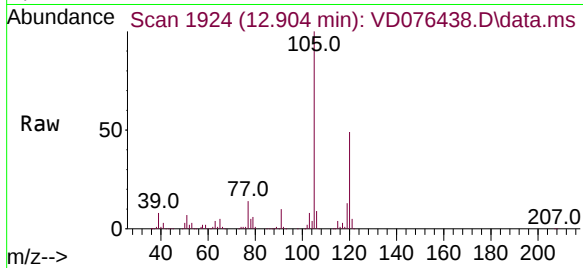




#62
 1,3,5-Trimethylbenzene
 Concen: 25.183 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

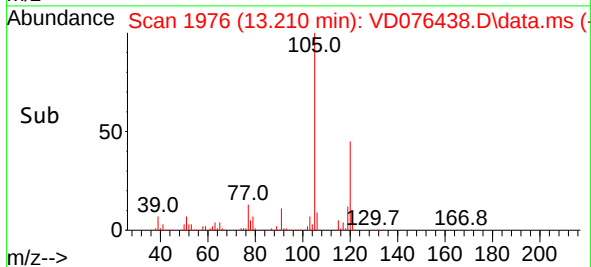
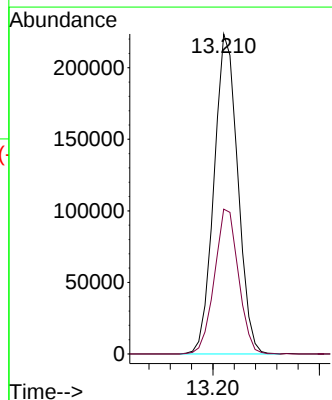
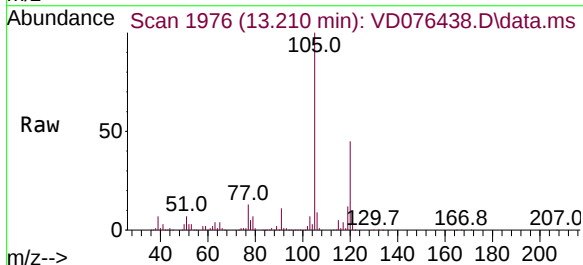
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025158

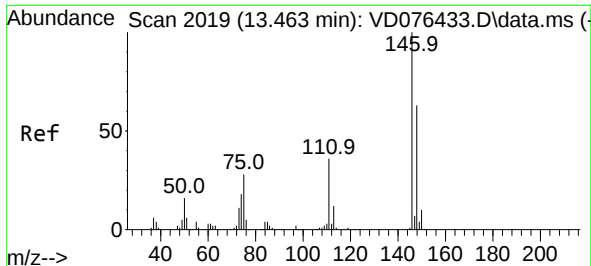
Tgt Ion:105 Resp: 346667
 Ion Ratio Lower Upper
 105 100
 120 51.2 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 25.463 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

Tgt Ion:105 Resp: 345890
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.5 56.3

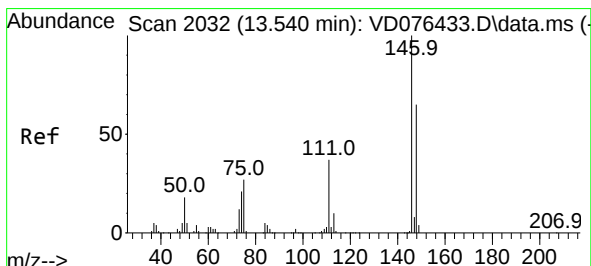
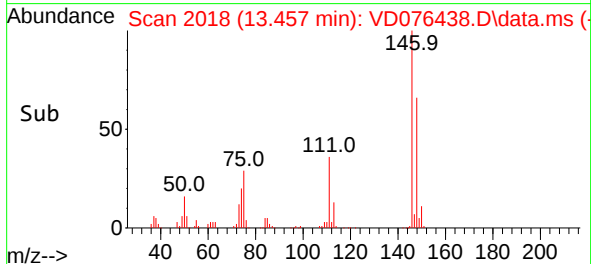
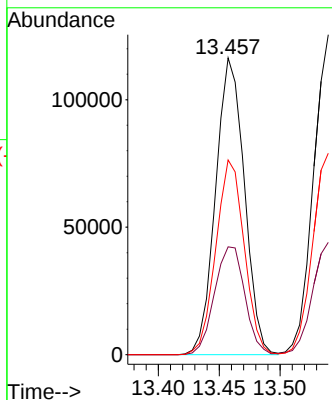
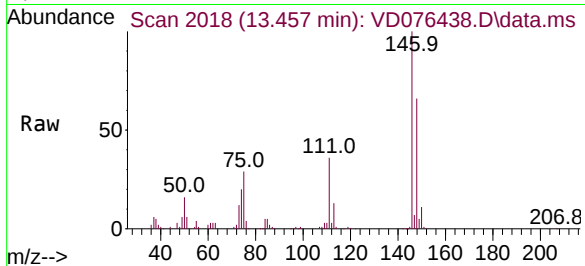




#64
1,3-Dichlorobenzene
Concen: 24.998 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

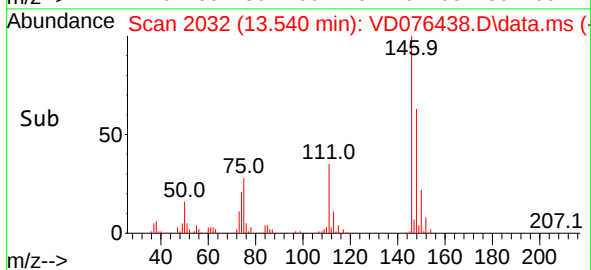
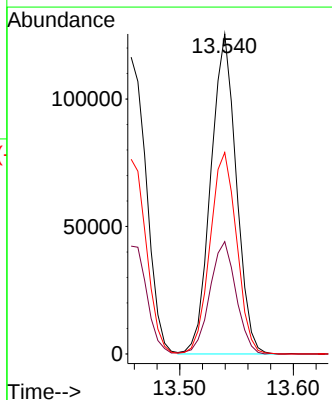
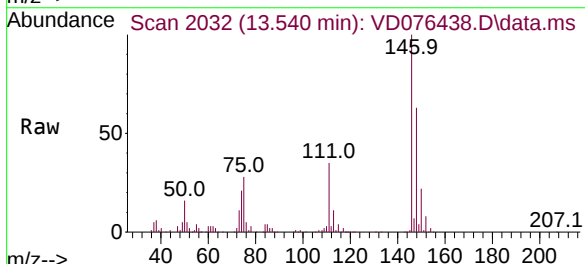
Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

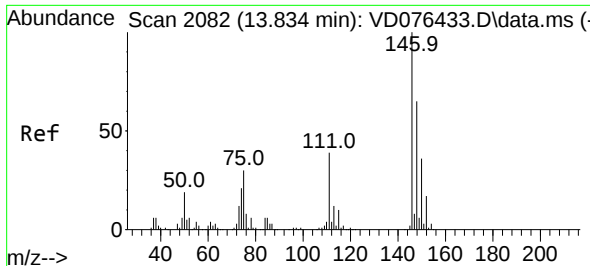
Tgt Ion:146 Resp: 191350
Ion Ratio Lower Upper
146 100
111 36.3 25.6 47.4
148 65.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 25.349 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion:146 Resp: 195587
Ion Ratio Lower Upper
146 100
111 35.1 25.7 47.7
148 63.0 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 25.197 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTD025158

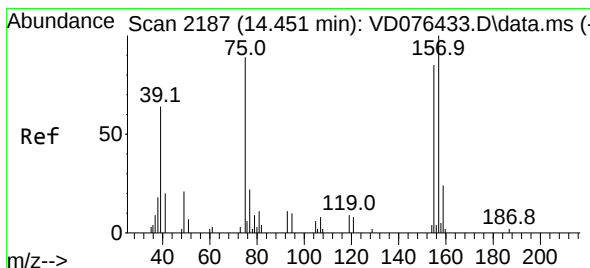
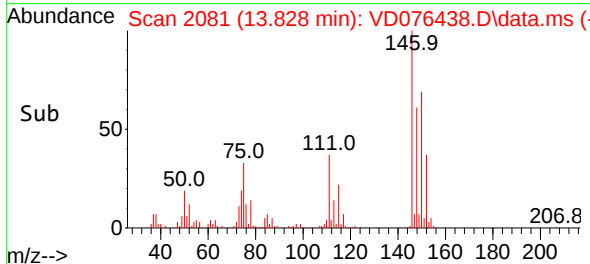
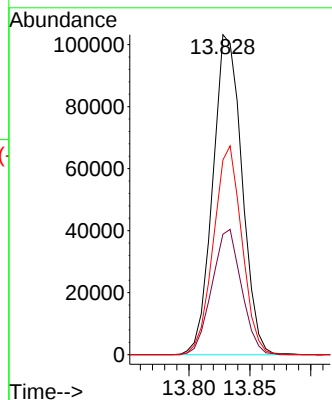
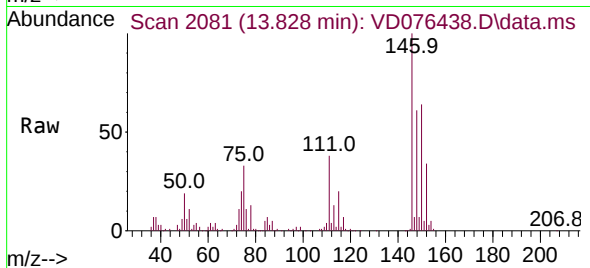
Tgt Ion:146 Resp: 171818

Ion Ratio Lower Upper

146 100

111 37.7 31.3 46.9

148 60.9 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 24.083 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD076438.D

Acq: 15 Jun 2023 14:24

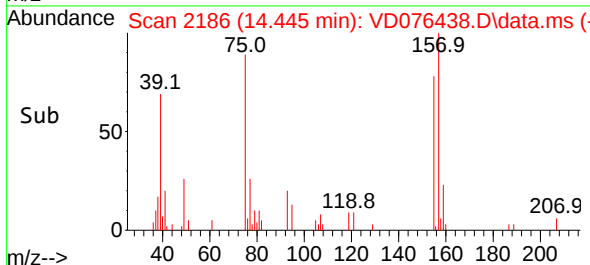
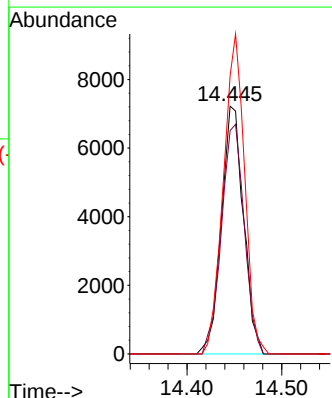
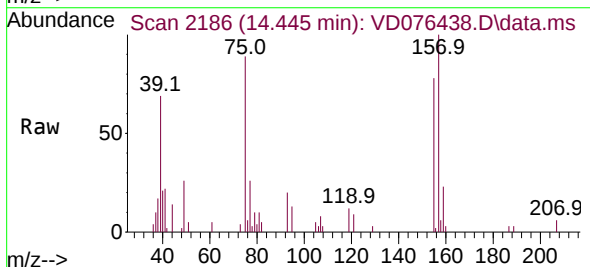
Tgt Ion: 75 Resp: 11717

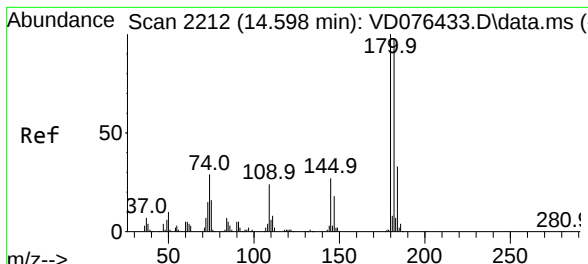
Ion Ratio Lower Upper

75 100

155 90.1 76.2 114.4

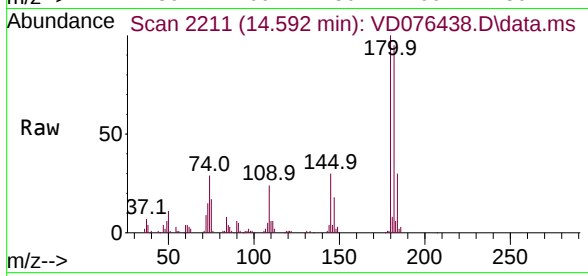
157 112.2 89.4 134.2





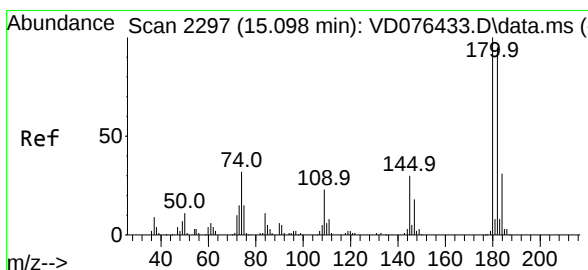
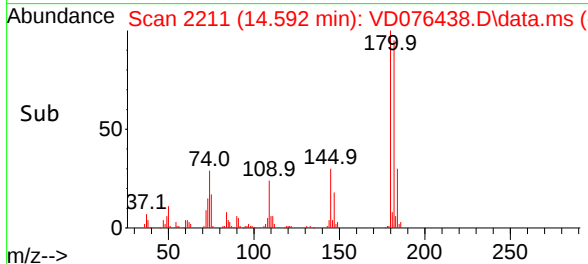
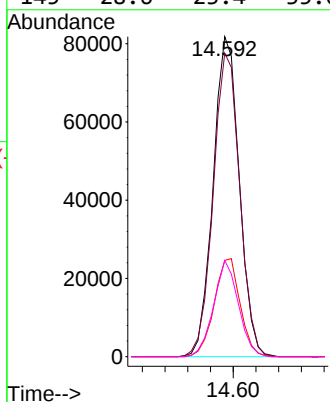
#69
 1,3,5-Trichlorobenzene
 Concen: 25.545 ug/L
 RT: 14.592 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025158



Tgt Ion:180 Resp: 130426

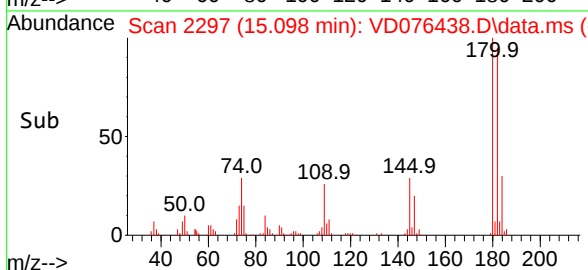
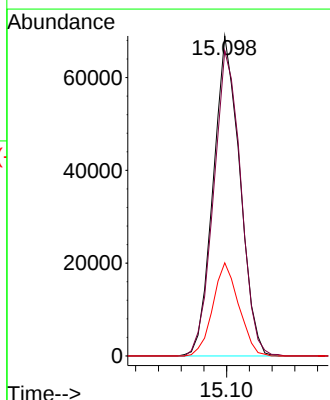
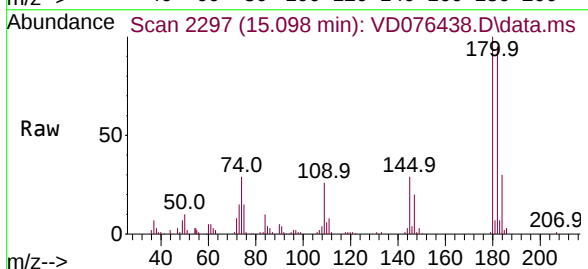
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.1	115.7
184	30.4	25.0	37.4
145	28.6	23.4	35.0

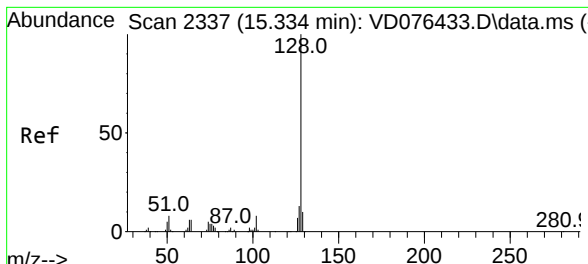


#70
 1,2,4-trichlorobenzene
 Concen: 24.706 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.000 min
 Lab File: VD076438.D
 Acq: 15 Jun 2023 14:24

Tgt Ion:180 Resp: 112234

Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.9	115.3
145	28.3	23.5	35.3

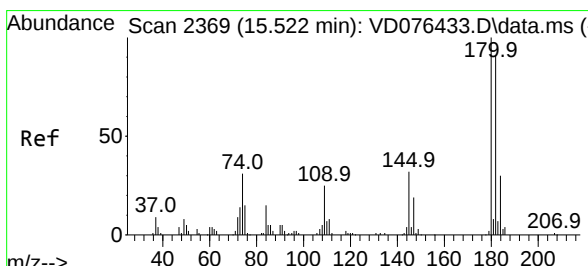
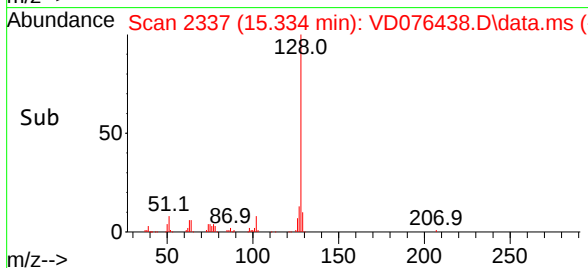
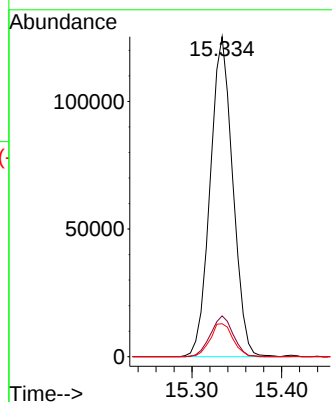
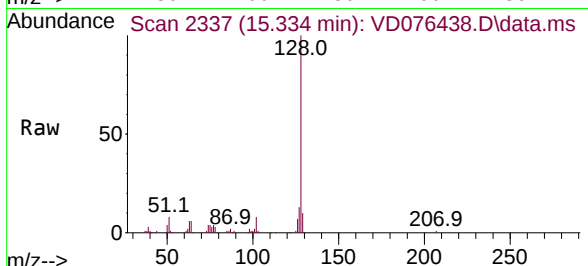




#71
Naphthalene
Concen: 25.207 ug/L
RT: 15.334 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Instrument :
MSVOA_D
ClientSampleId :
VSTD025158

Tgt Ion:	128	Resp:	219239
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	10.5	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 24.574 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD076438.D
Acq: 15 Jun 2023 14:24

Tgt Ion:	180	Resp:	96942
Ion	Ratio	Lower	Upper
180	100		
182	97.4	74.3	111.5
145	30.5	25.0	37.6

