

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050423\
 Data File : VD075995.D
 Acq On : 04 May 2023 10:03
 Operator : KP/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025199

Quant Time: May 05 00:29:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 04 02:54:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	362132	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	333363	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	171732	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	180499	22.721	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.880%
7) Chloroethane-d5	2.805	69	161963	23.596	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.400%
11) 1,1-Dichloroethene-d2	3.916	65	40710	22.227	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.920%
21) 2-Butanone-d5	6.993	46	39585	57.398	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.800%
24) Chloroform-d	7.563	84	225576	24.910	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.640%
26) 1,2-Dichloroethane-d4	8.228	65	97412	25.189	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.760%
32) Benzene-d6	8.199	84	467108	24.041	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.160%
36) 1,2-Dichloropropane-d6	9.210	67	133340	24.794	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.160%
41) Toluene-d8	10.269	98	437270	24.039	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.160%
43) trans-1,3-Dichloroprop...	10.528	79	52755	23.732	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.920%
47) 2-Hexanone-d5	10.875	63	36206	55.913	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.820%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	111204	27.022	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.080%
66) 1,2-Dichlorobenzene-d4	13.816	152	138131	22.740	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.960%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	145443	29.134	ug/L	99
3) Chloromethane	2.146	50	207043	29.750	ug/L	99
5) Vinyl chloride	2.281	62	265436	29.183	ug/L	100
6) Bromomethane	2.693	94	157363	25.748	ug/L	99
8) Chloroethane	2.834	64	168008	28.561	ug/L	98
9) Trichlorofluoromethane	3.175	101	210917	28.861	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	148760	30.299	ug/L	97
12) 1,1-Dichloroethene	3.940	96	132009	27.724	ug/L	85
13) Acetone	4.022	43	35541	60.220	ug/L	99
14) Carbon disulfide	4.269	76	452119	27.185	ug/L	99
15) Methyl Acetate	4.558	43	39163	30.618	ug/L	98
16) Methylene chloride	4.799	84	152807	20.800	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	142216	26.637	ug/L	98
18) Methyl tert-butyl Ether	5.316	73	227677	26.585	ug/L	98
19) 1,1-Dichloroethane	6.110	63	228306	29.190	ug/L	97
20) cis-1,2-Dichloroethene	7.081	96	149035	26.399	ug/L	92
23) Bromochloromethane	7.428	128	71902	27.463	ug/L	# 91
25) Chloroform	7.599	83	246693	28.143	ug/L	100
27) 1,2-Dichloroethane	8.322	62	133181	29.434	ug/L	98

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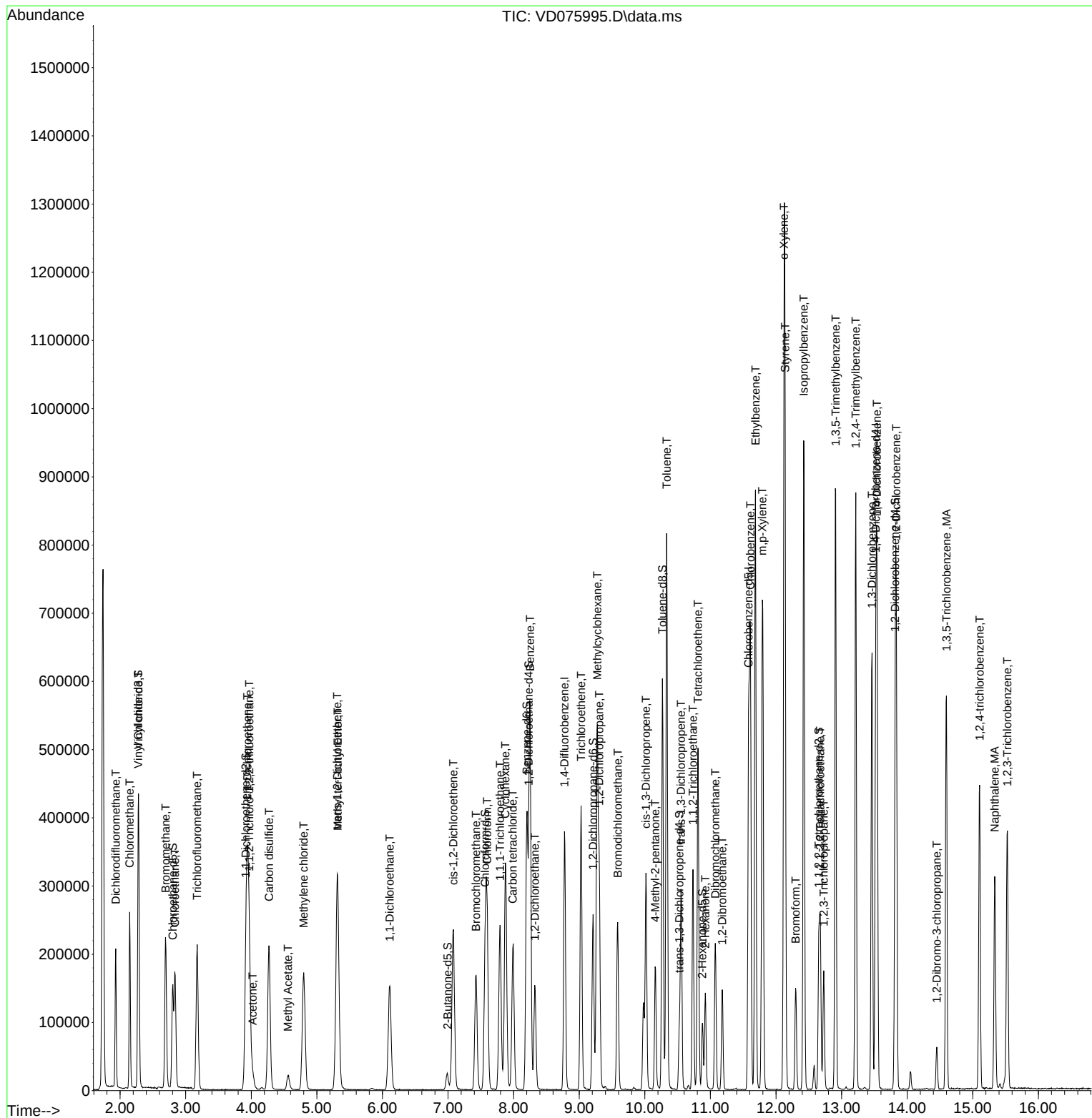
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	176994	31.014	ug/L	92
30) 1,1,1-Trichloroethane	7.793	97	199462	28.280	ug/L	98
31) Carbon tetrachloride	7.987	117	165419	29.233	ug/L	99
33) Benzene	8.252	78	575820	28.556	ug/L	100
34) Trichloroethene	9.028	95	142108	27.251	ug/L	95
35) Methylcyclohexane	9.275	83	232729	28.947	ug/L	97
37) 1,2-Dichloropropane	9.304	63	140824	30.402	ug/L	100
38) Bromodichloromethane	9.587	83	177356	28.397	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	203171	27.580	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	107151	63.448	ug/L	96
42) Toluene	10.334	91	650761	29.822	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	170241	28.768	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	108900	27.635	ug/L	95
46) Tetrachloroethene	10.810	164	124236	29.046	ug/L	96
48) 2-Hexanone	10.922	43	78611	66.028	ug/L	93
49) Dibromochloromethane	11.075	129	118145	27.540	ug/L	99
50) 1,2-Dibromoethane	11.181	107	96846	27.260	ug/L	95
51) Chlorobenzene	11.610	112	394568	27.639	ug/L	98
52) Ethylbenzene	11.687	91	650898	29.088	ug/L	99
53) m,p-Xylene	11.793	106	263775	29.604	ug/L	96
54) o-Xylene	12.122	106	246292	29.103	ug/L	98
55) Styrene	12.140	104	438971	29.802	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.675	83	115535	28.815	ug/L #	96
59) Bromoform	12.298	173	70466	26.773	ug/L	99
60) Isopropylbenzene	12.422	105	634868	27.880	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	73736	27.333	ug/L	99
62) 1,3,5-Trimethylbenzene	12.910	105	475694	28.015	ug/L	99
63) 1,2,4-Trimethylbenzene	13.216	105	462159	28.235	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	298595	27.406	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	306994	26.847	ug/L	98
67) 1,2-Dichlorobenzene	13.834	146	264000	27.133	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.451	75	16408	30.424	ug/L	85
69) 1,3,5-Trichlorobenzene	14.598	180	202487	27.727	ug/L	98
70) 1,2,4-trichlorobenzene	15.104	180	158301	26.157	ug/L	98
71) Naphthalene	15.334	128	292521	26.413	ug/L	99
72) 1,2,3-Trichlorobenzene	15.528	180	146410	27.102	ug/L	99

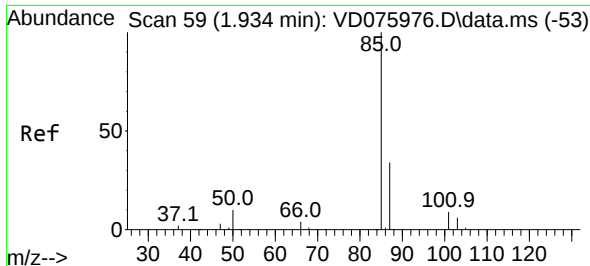
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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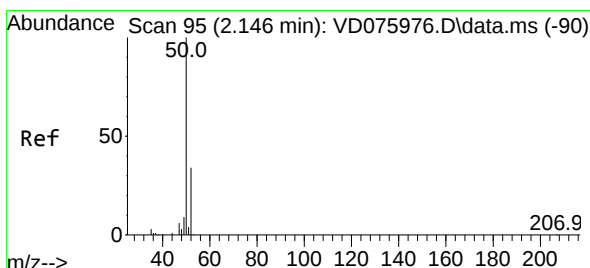
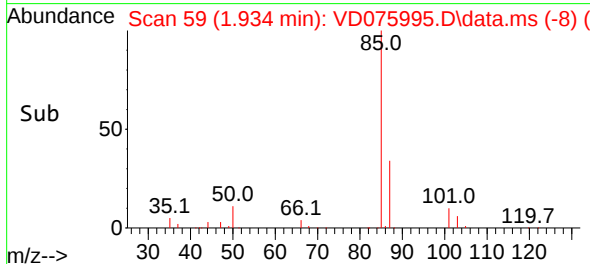
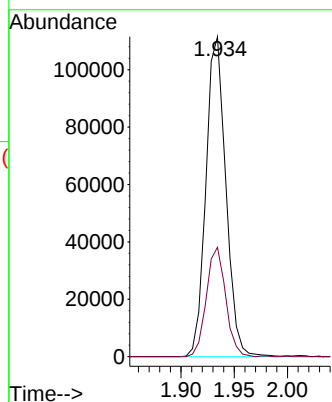
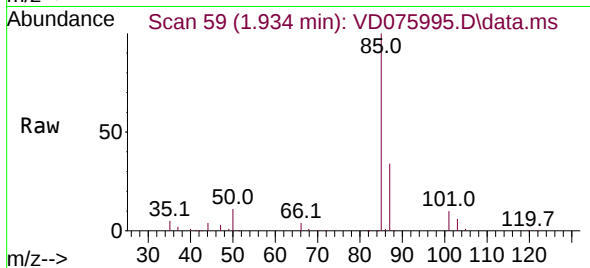




#2
Dichlorodifluoromethane
Concen: 29.134 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

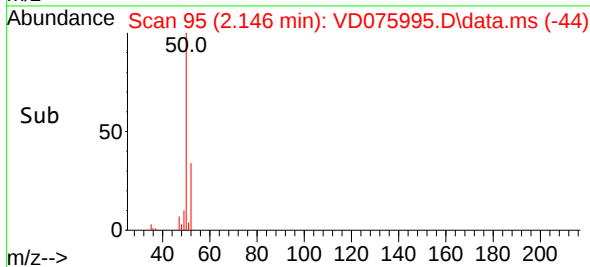
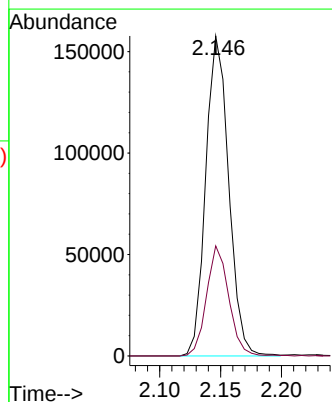
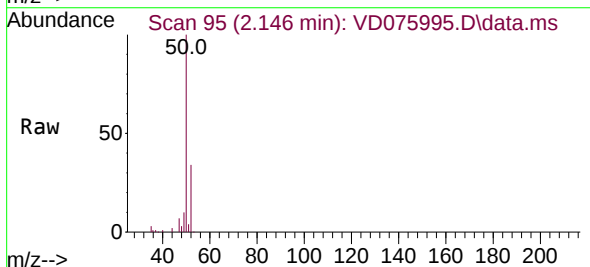
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

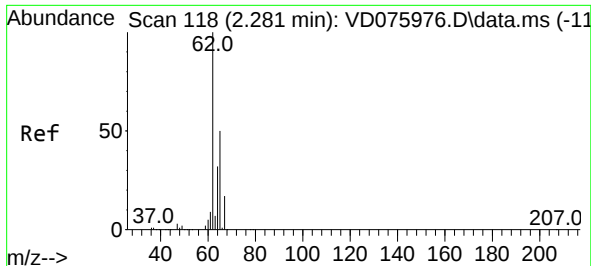
Tgt Ion: 85 Resp: 145443
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.8



#3
Chloromethane
Concen: 29.750 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 50 Resp: 207043
Ion Ratio Lower Upper
50 100
52 34.4 23.7 44.1

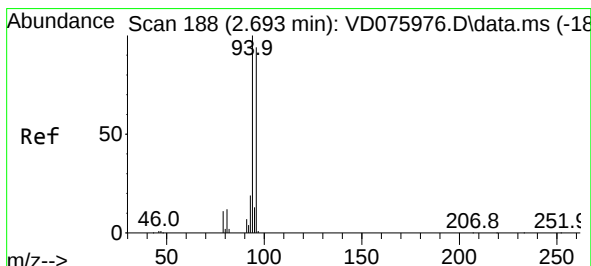
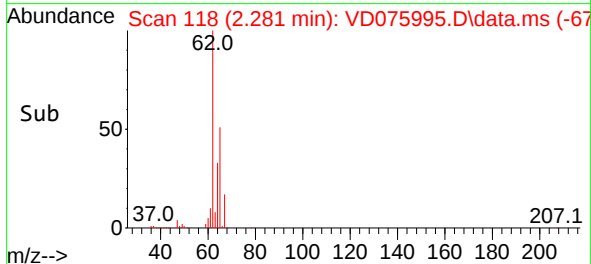
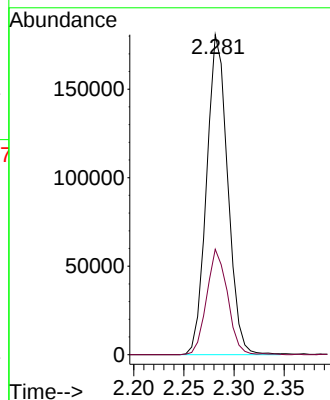
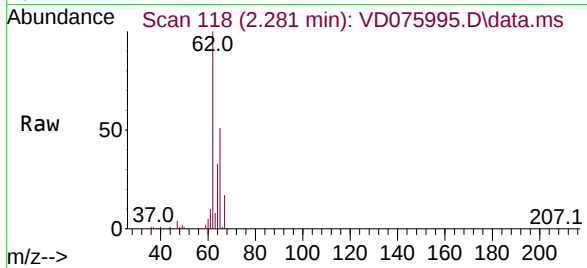




#5
 Vinyl chloride
 Concen: 29.183 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD075995.D
 Acq: 04 May 2023 10:03

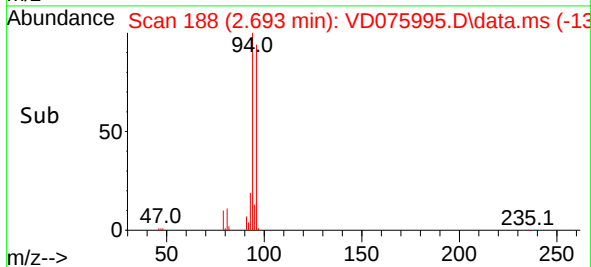
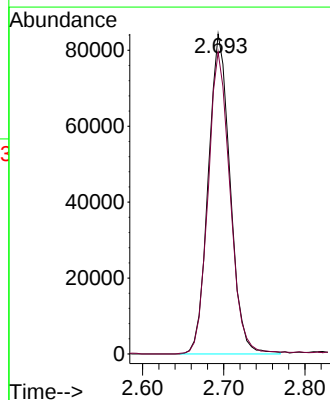
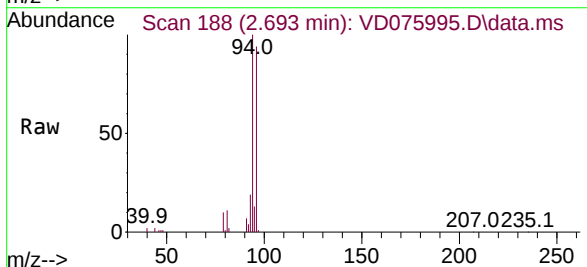
Instrument :
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 ClientSampleId :
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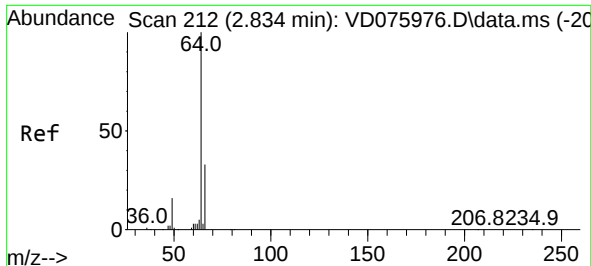
Tgt Ion: 62 Resp: 265436
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.2 43.0



#6
 Bromomethane
 Concen: 25.748 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.000 min
 Lab File: VD075995.D
 Acq: 04 May 2023 10:03

Tgt Ion: 94 Resp: 157363
 Ion Ratio Lower Upper
 94 100
 96 94.3 65.7 121.9

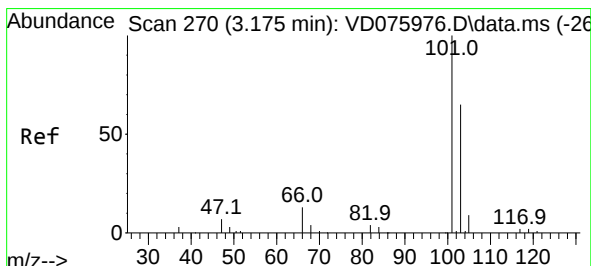
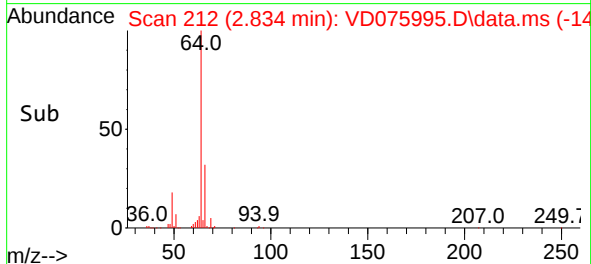
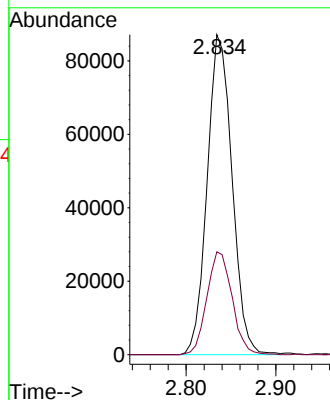
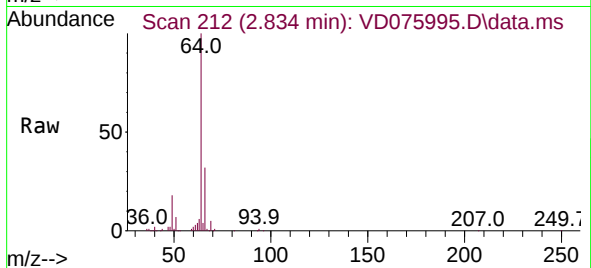




#8
Chloroethane
Concen: 28.561 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

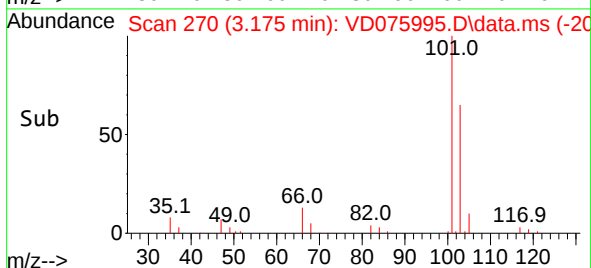
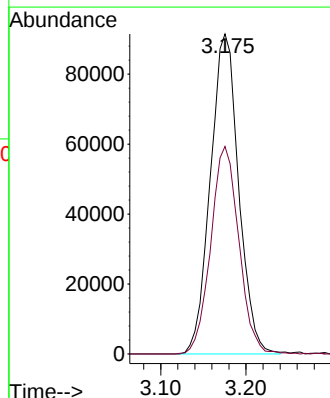
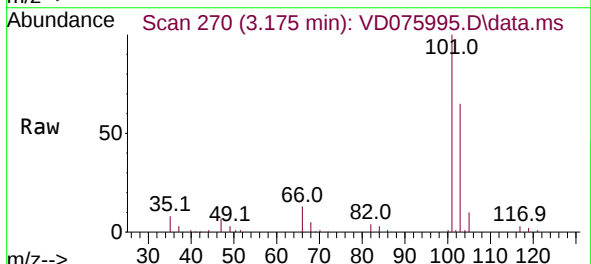
Instrument :
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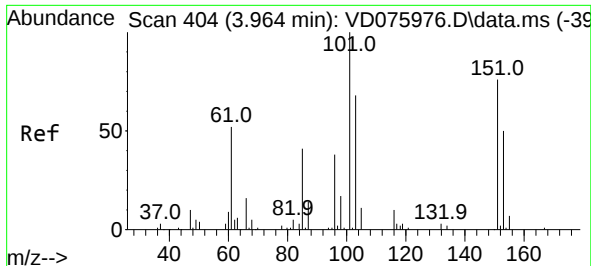
Tgt Ion: 64 Resp: 168008
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 28.861 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion:101 Resp: 210917
Ion Ratio Lower Upper
101 100
103 64.2 52.2 78.4





#10

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

Concen: 30.299 ug/L

RT: 3.969 min Scan# 404

Delta R.T. 0.006 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

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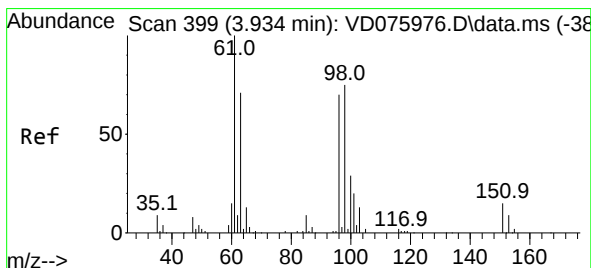
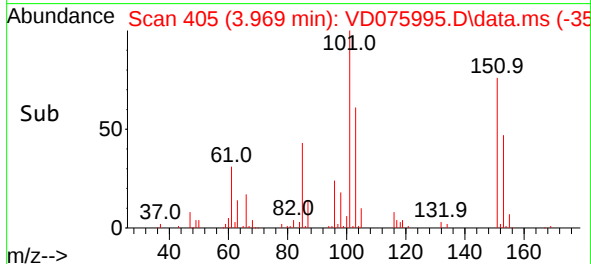
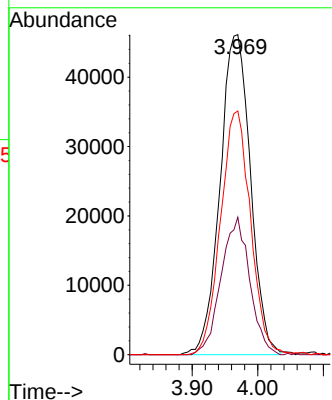
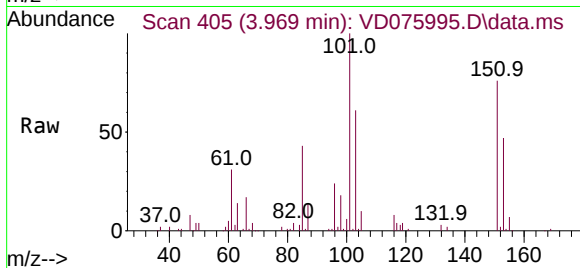
Tgt Ion:101 Resp: 148760

Ion Ratio Lower Upper

101 100

85 40.4 32.9 49.3

151 74.9 57.2 85.8



#12

1,1-Dichloroethene

Concen: 27.724 ug/L

RT: 3.940 min Scan# 400

Delta R.T. 0.006 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

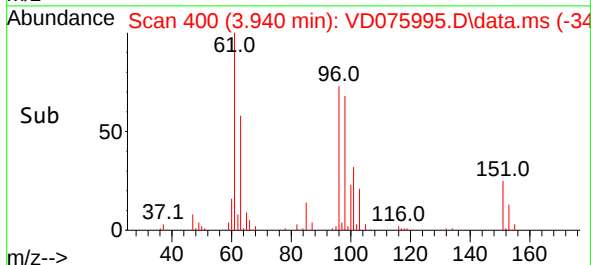
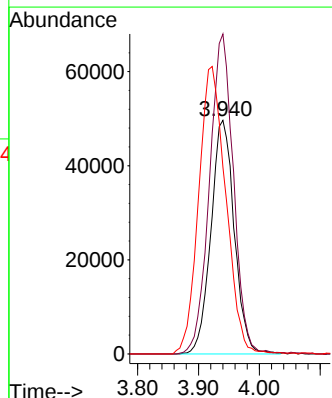
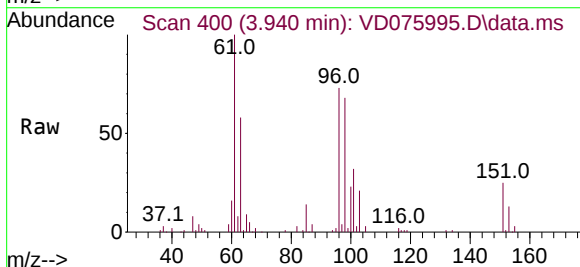
Tgt Ion: 96 Resp: 132009

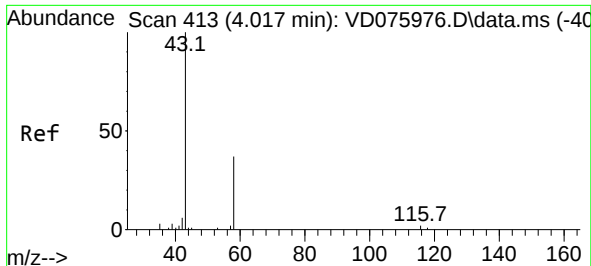
Ion Ratio Lower Upper

96 100

61 137.0 92.6 172.0

63 80.0 77.4 143.8





#13

Acetone

Concen: 60.220 ug/L

RT: 4.022 min Scan# 413

Delta R.T. 0.006 min

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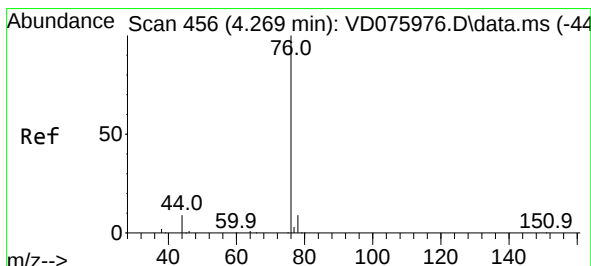
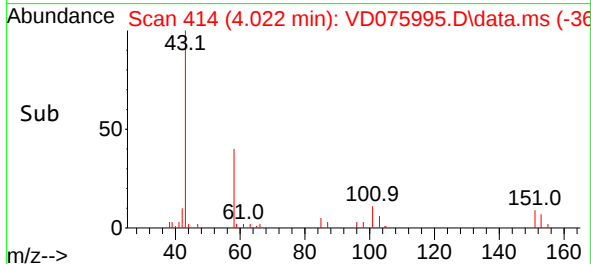
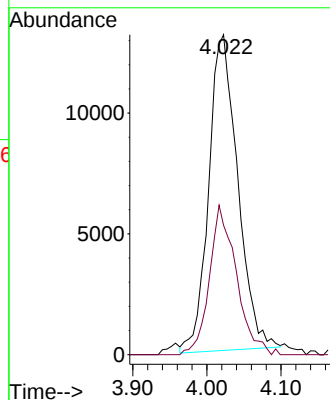
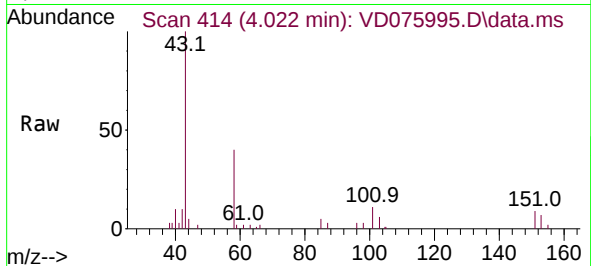
VSTD025199

Tgt Ion: 43 Resp: 35541

Ion Ratio Lower Upper

43 100

58 43.1 0.0 87.4



#14

Carbon disulfide

Concen: 27.185 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.000 min

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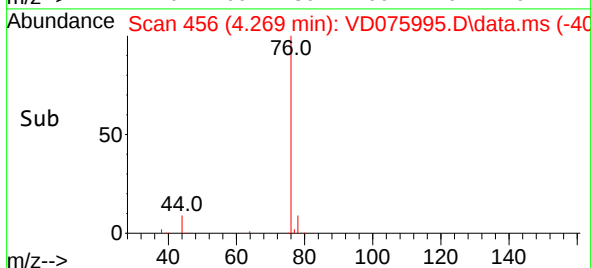
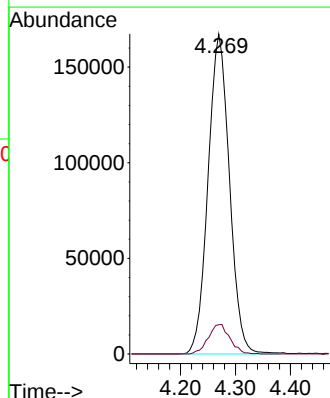
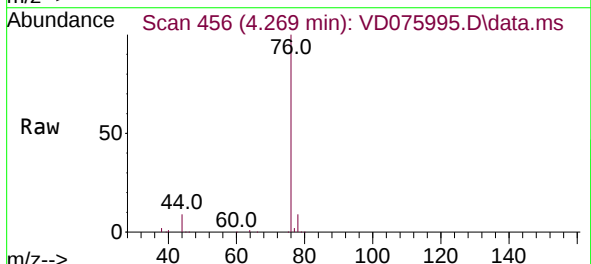
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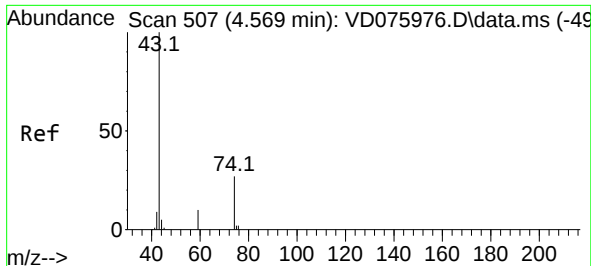
Tgt Ion: 76 Resp: 452119

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

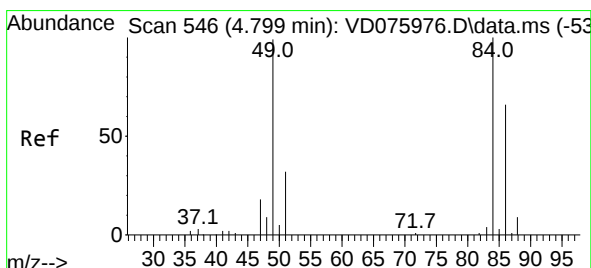
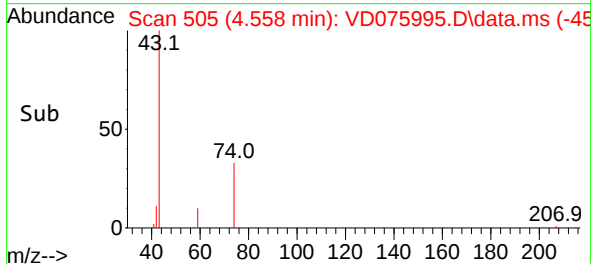
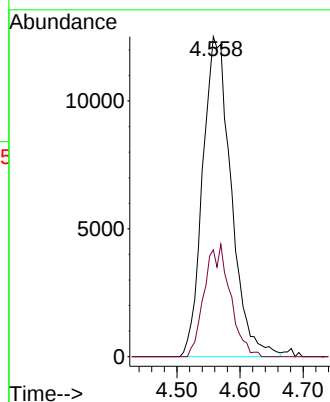
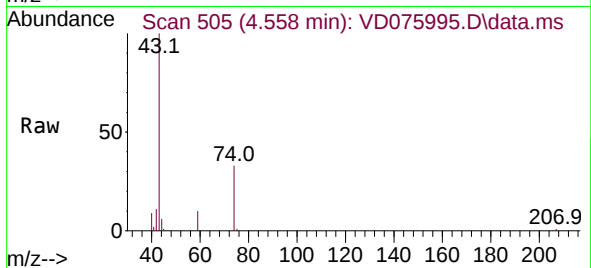




#15
Methyl Acetate
Concen: 30.618 ug/L
RT: 4.558 min Scan# 507
Delta R.T. -0.012 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

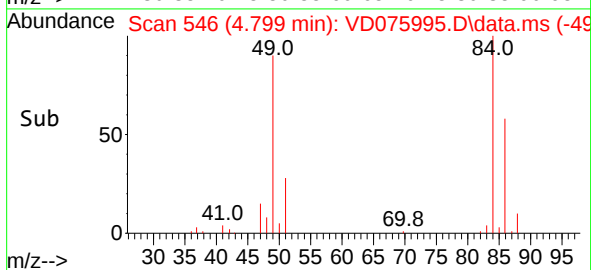
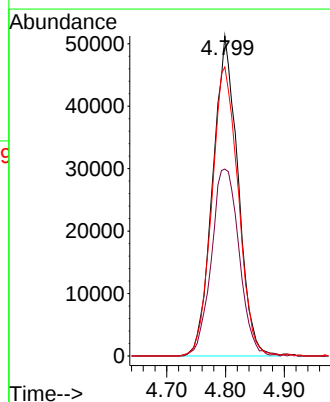
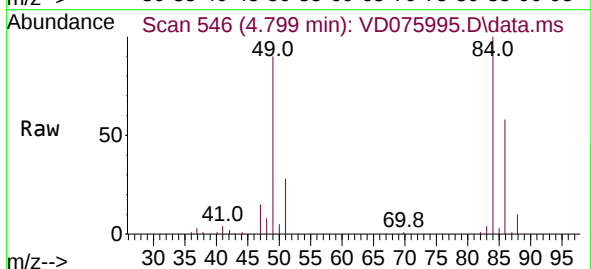
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

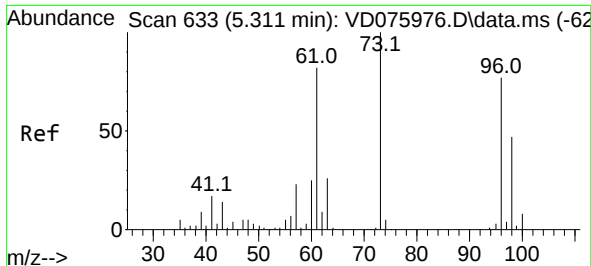
Tgt Ion: 43 Resp: 39163
Ion Ratio Lower Upper
43 100
74 17.0 12.8 19.2



#16
Methylene chloride
Concen: 20.800 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 84 Resp: 152807
Ion Ratio Lower Upper
84 100
86 58.4 45.8 85.2
49 90.3 60.8 112.8





#17

trans-1,2-Dichloroethene

Concen: 26.637 ug/L

RT: 5.311 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025199

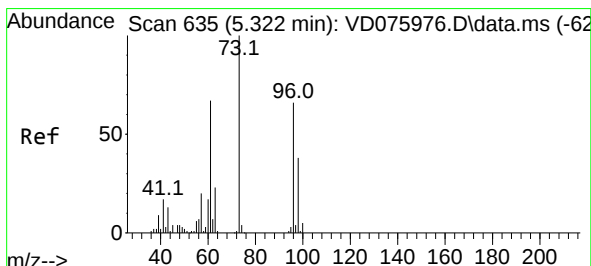
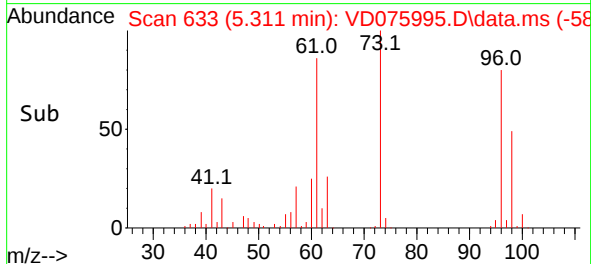
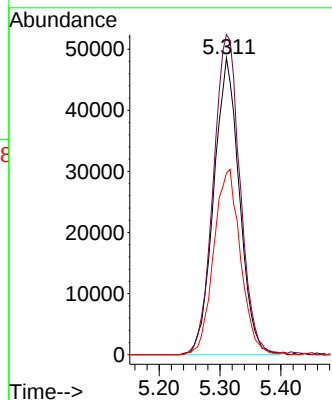
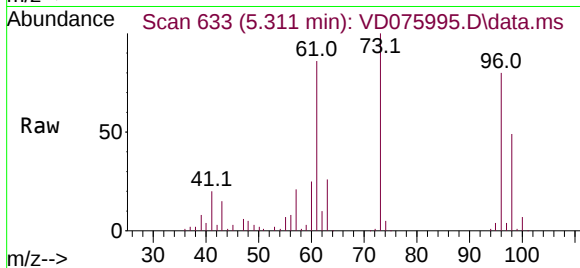
Tgt Ion: 96 Resp: 142216

Ion Ratio Lower Upper

96 100

61 107.8 72.9 135.5

98 61.2 43.0 79.8



#18

Methyl tert-butyl Ether

Concen: 26.585 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

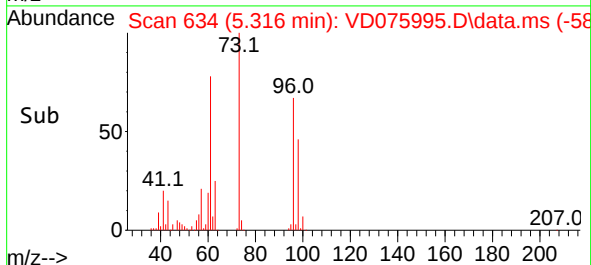
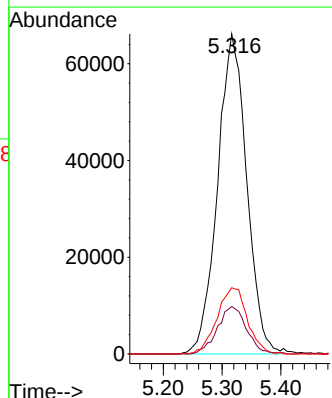
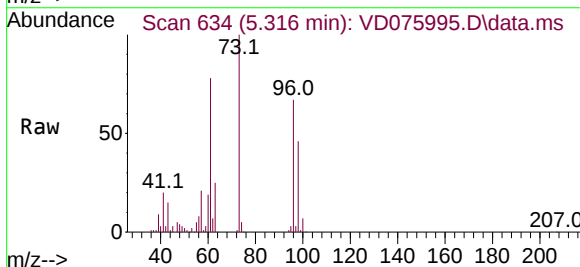
Tgt Ion: 73 Resp: 227677

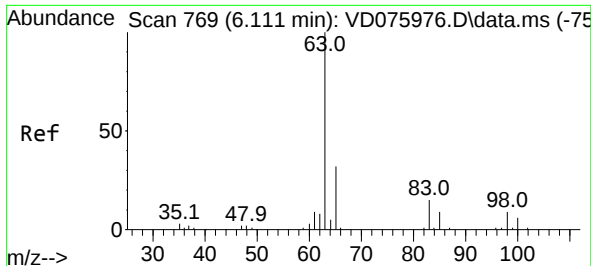
Ion Ratio Lower Upper

73 100

43 14.8 11.3 16.9

57 21.6 16.3 24.5





#19

1,1-Dichloroethane

Concen: 29.190 ug/L

RT: 6.110 min Scan# 7

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025199

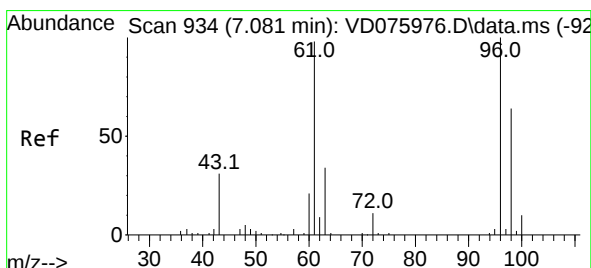
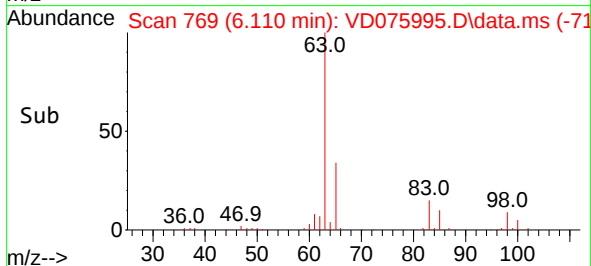
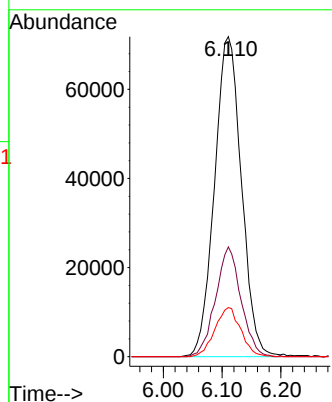
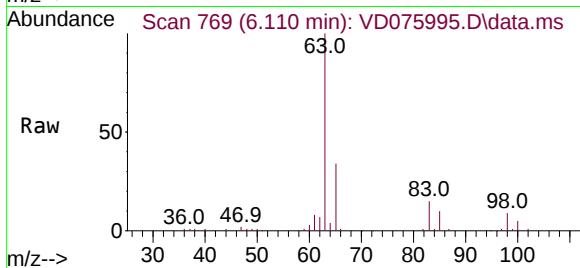
Tgt Ion: 63 Resp: 228306

Ion Ratio Lower Upper

63 100

65 34.3 22.8 42.4

83 15.3 11.2 20.8



#20

cis-1,2-Dichloroethene

Concen: 26.399 ug/L

RT: 7.081 min Scan# 934

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

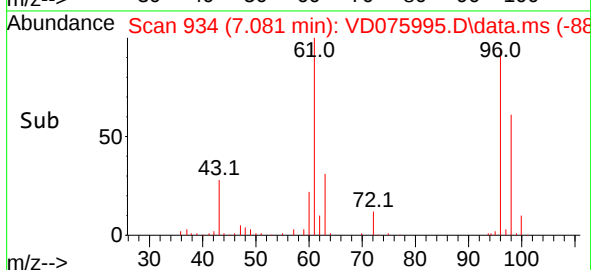
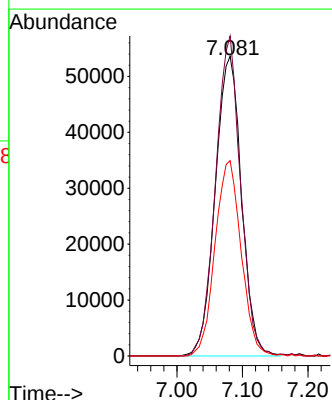
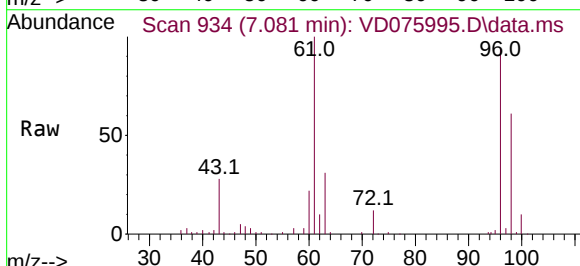
Tgt Ion: 96 Resp: 149035

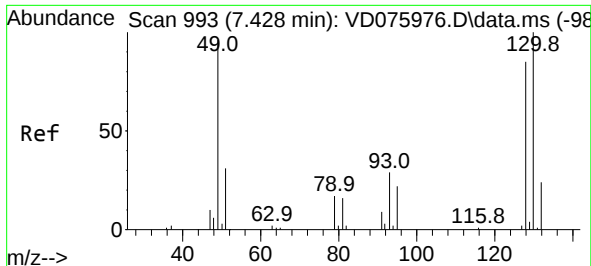
Ion Ratio Lower Upper

96 100

61 106.8 67.5 125.3

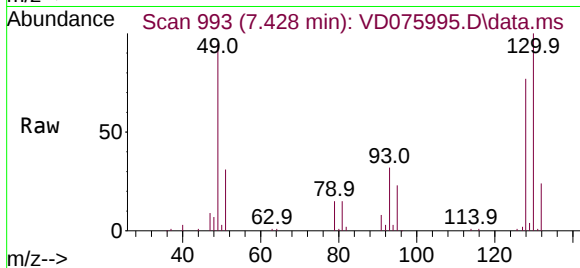
98 65.2 47.5 88.1



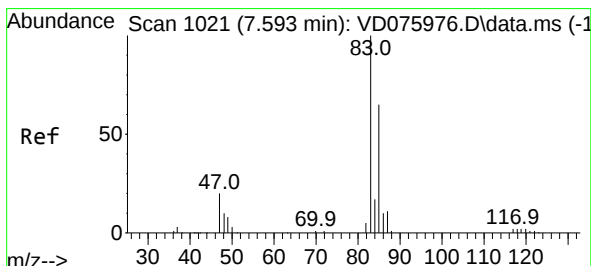
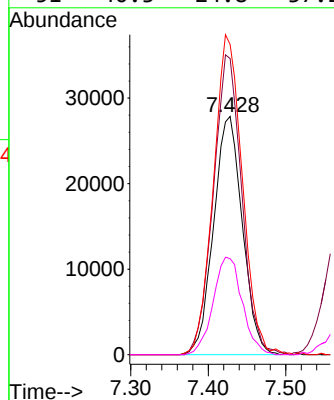
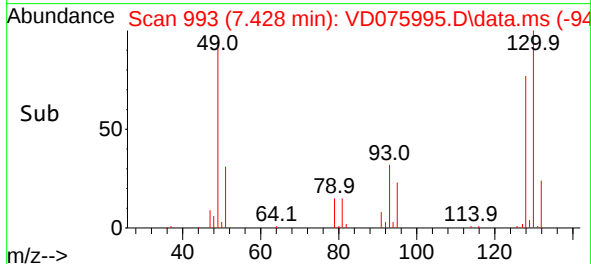


#23
Bromochloromethane
Concen: 27.463 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

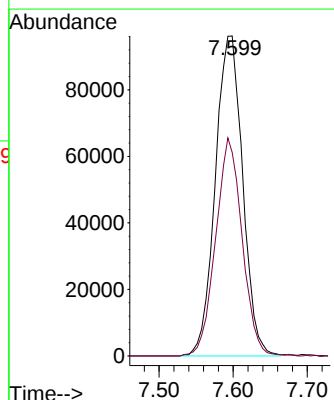
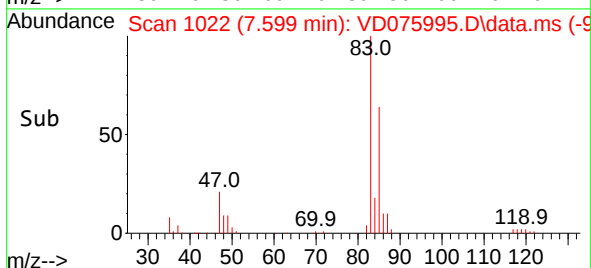
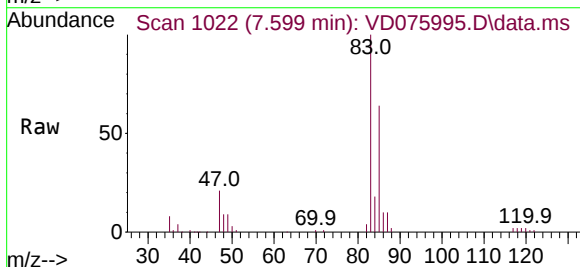


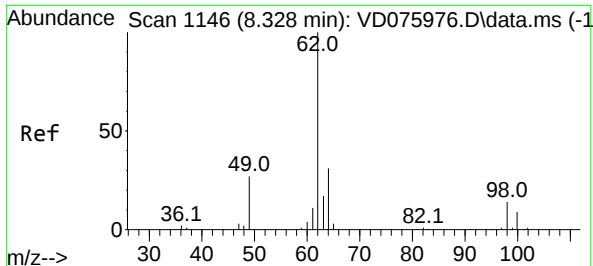
Tgt Ion:128 Resp: 71902
Ion Ratio Lower Upper
128 100
49 124.3 76.4 142.0
130 130.2 93.5 173.7
51 40.3 24.8 37.2#



#25
Chloroform
Concen: 28.143 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 83 Resp: 246693
Ion Ratio Lower Upper
83 100
85 63.6 44.4 82.5





#27

1,2-Dichloroethane

Concen: 29.434 ug/L

RT: 8.322 min Scan# 1146

Delta R.T. -0.006 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

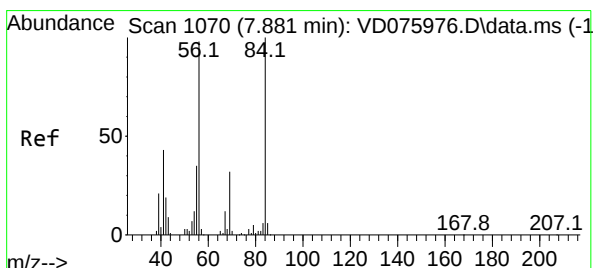
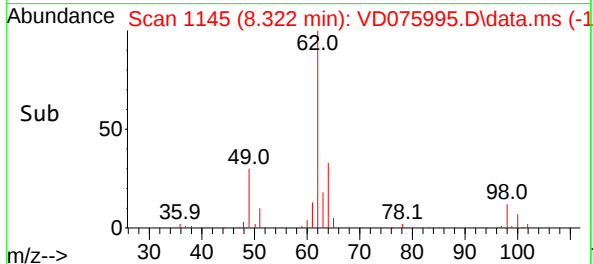
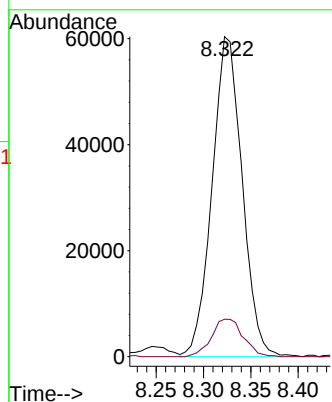
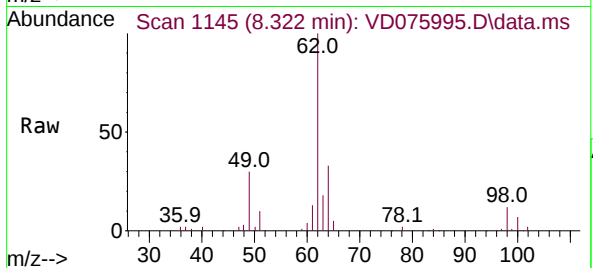
VSTD025199

Tgt Ion: 62 Resp: 133181

Ion Ratio Lower Upper

62 100

98 11.7 10.2 15.2



#29

Cyclohexane

Concen: 31.014 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

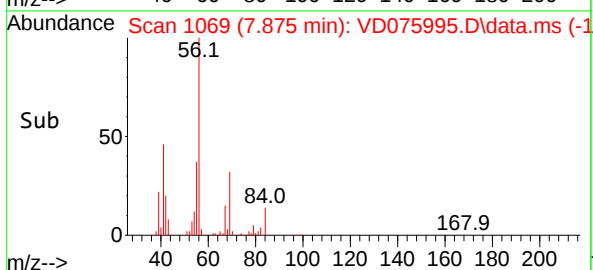
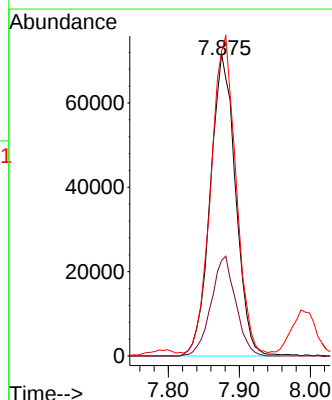
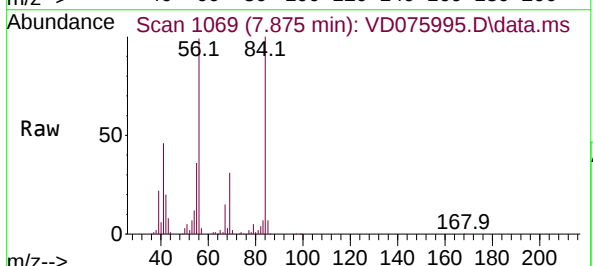
Tgt Ion: 56 Resp: 176994

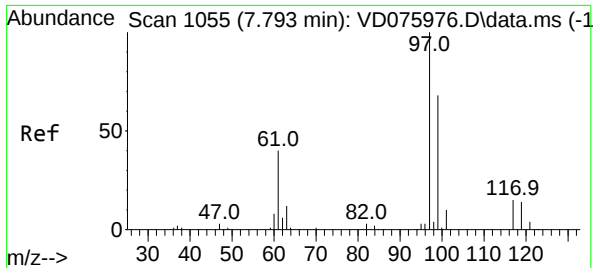
Ion Ratio Lower Upper

56 100

69 32.1 28.2 42.2

84 105.8 92.4 138.6

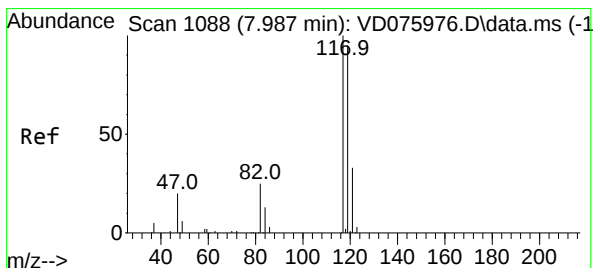
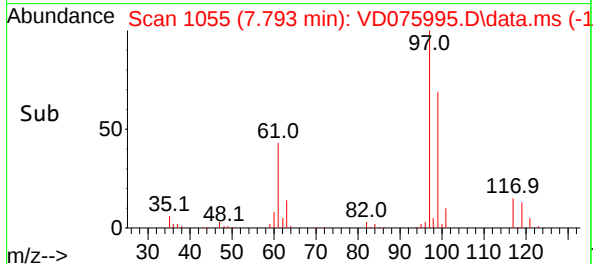
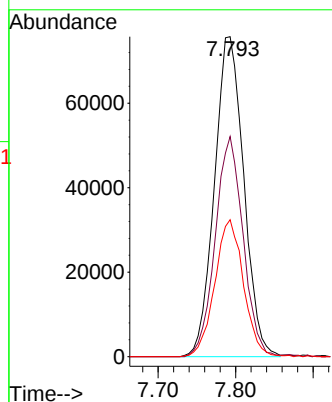
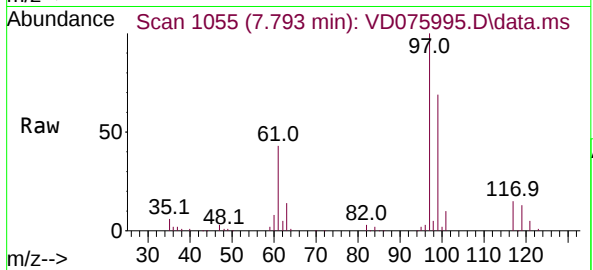




#30
1,1,1-Trichloroethane
Concen: 28.280 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

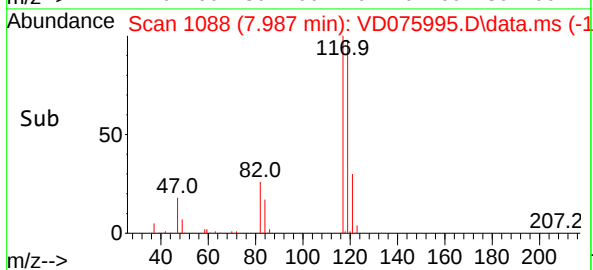
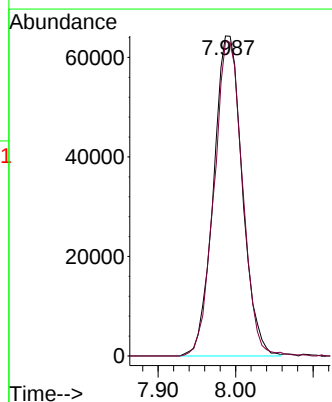
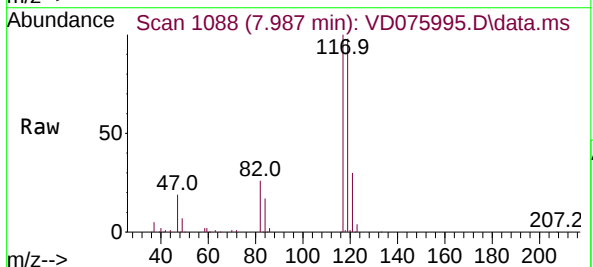
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

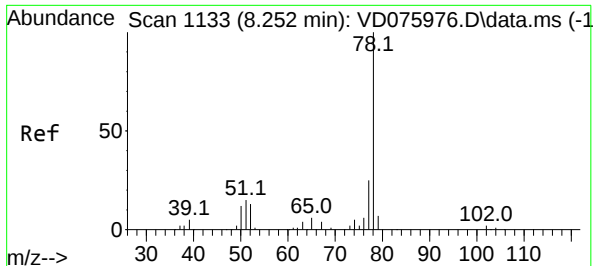
Tgt Ion: 97 Resp: 199462
Ion Ratio Lower Upper
97 100
99 65.2 51.5 77.3
61 41.7 32.1 48.1



#31
Carbon tetrachloride
Concen: 29.233 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 117 Resp: 165419
Ion Ratio Lower Upper
117 100
119 96.9 78.2 117.4





#33

Benzene

Concen: 28.556 ug/L

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

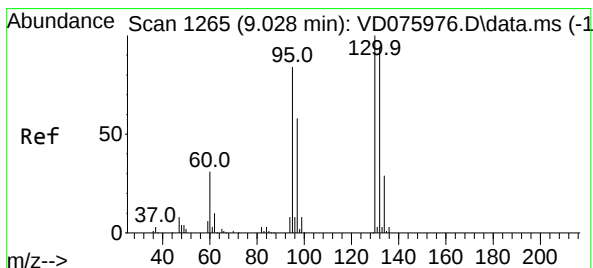
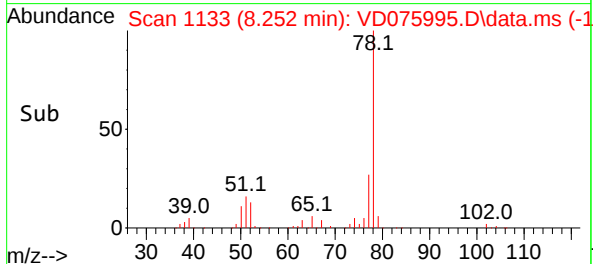
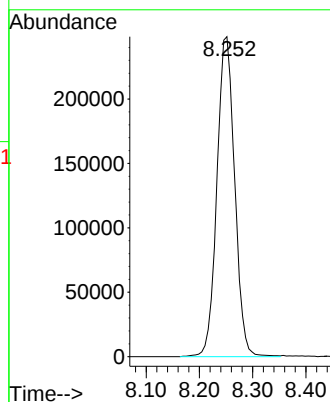
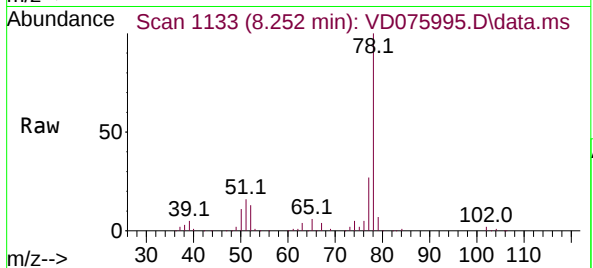
Instrument :

MSVOA_D

ClientSampleId :

VSTD025199

Tgt Ion: 78 Resp: 575820



#34

Trichloroethene

Concen: 27.251 ug/L

RT: 9.028 min Scan# 1265

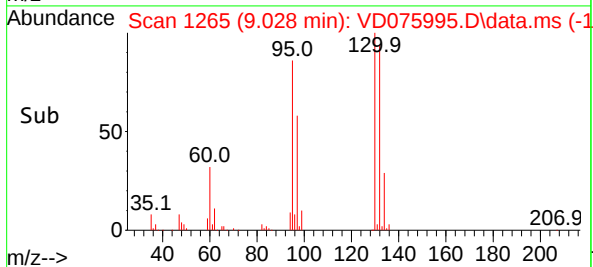
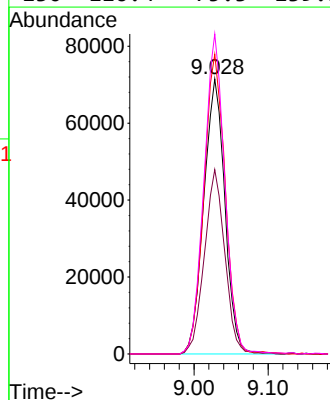
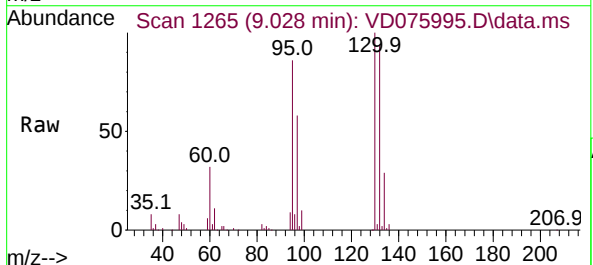
Delta R.T. -0.000 min

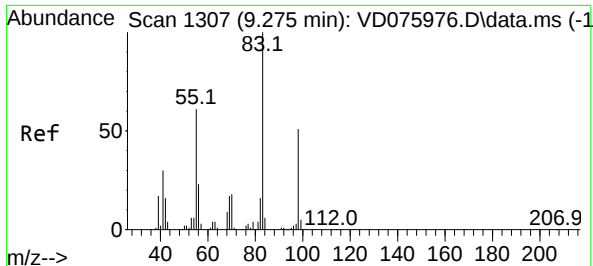
Lab File: VD075995.D

Acq: 04 May 2023 10:03

Tgt Ion: 95 Resp: 142108

Ion	Ratio	Lower	Upper
95	100		
97	67.0	46.0	85.4
132	109.0	73.3	136.1
130	116.4	75.3	139.9





#35

Methylcyclohexane

Concen: 28.947 ug/L

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025199

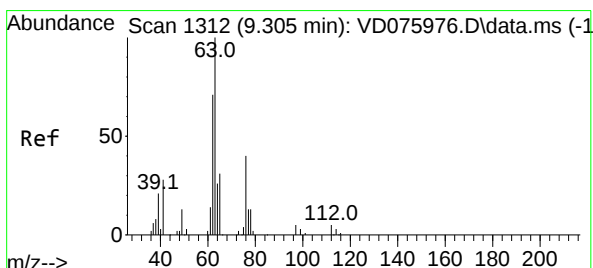
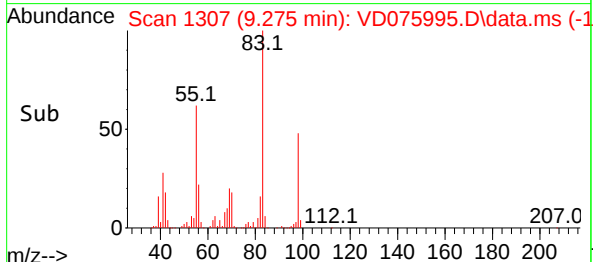
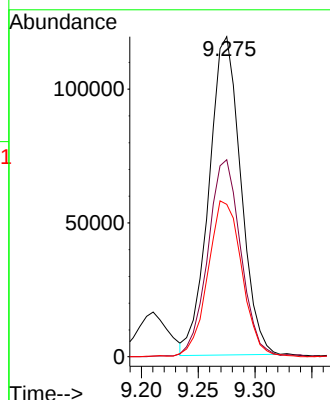
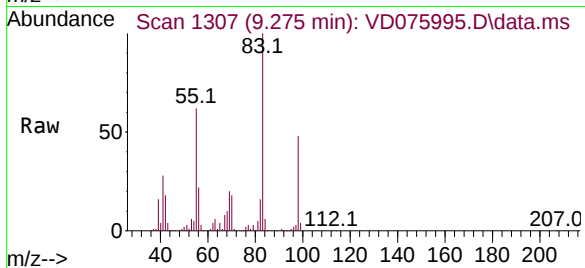
Tgt Ion: 83 Resp: 232729

Ion Ratio Lower Upper

83 100

55 63.9 48.2 72.2

98 52.2 40.8 61.2



#37

1,2-Dichloropropane

Concen: 30.402 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD075995.D

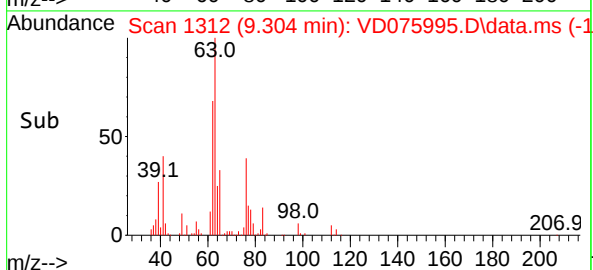
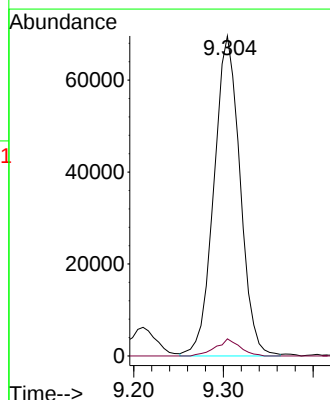
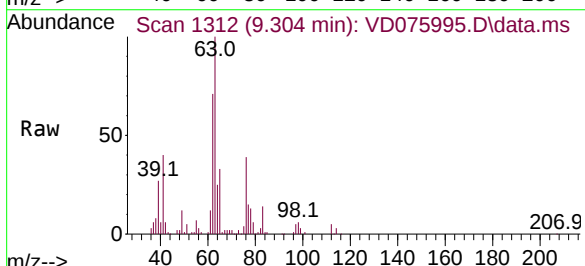
Acq: 04 May 2023 10:03

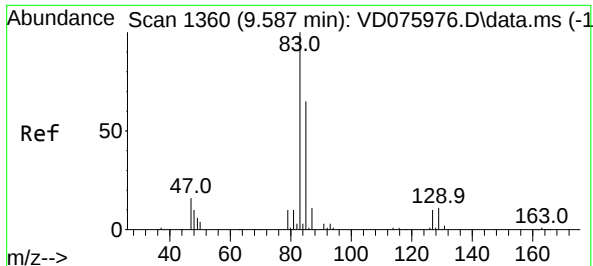
Tgt Ion: 63 Resp: 140824

Ion Ratio Lower Upper

63 100

112 4.9 4.0 6.0

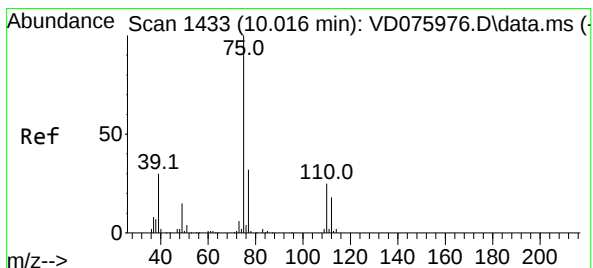
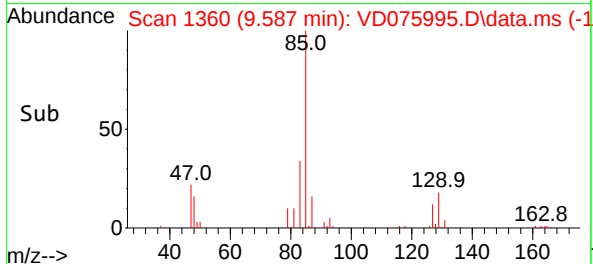
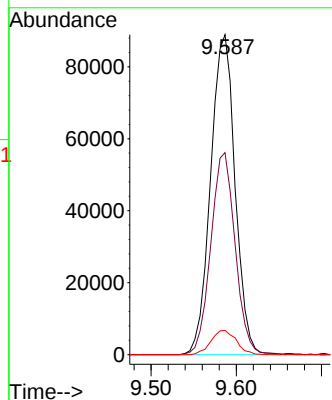
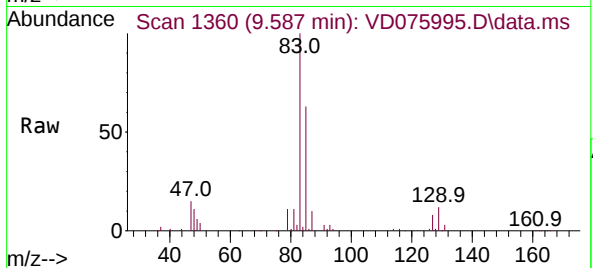




#38
Bromodichloromethane
Concen: 28.397 ug/L
RT: 9.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

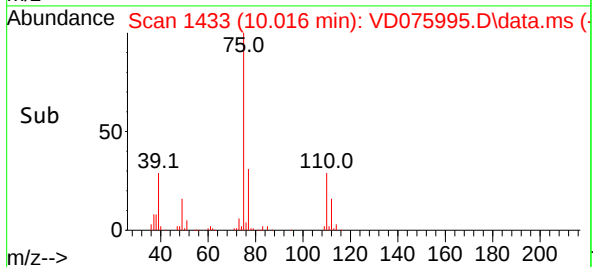
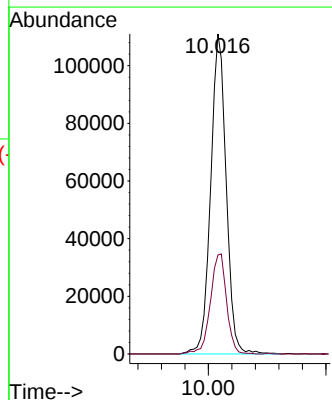
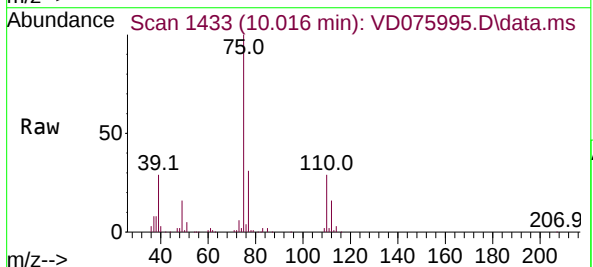
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

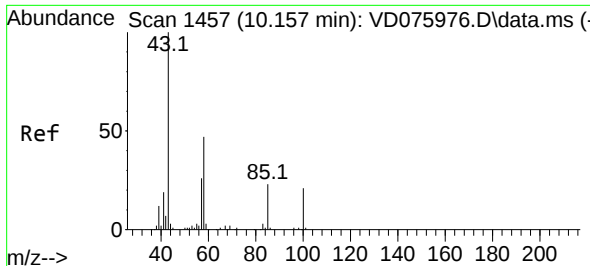
Tgt Ion: 83 Resp: 177356
Ion Ratio Lower Upper
83 100
85 63.1 44.2 82.2
127 7.6 6.3 9.5



#39
cis-1,3-Dichloropropene
Concen: 27.580 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 75 Resp: 203171
Ion Ratio Lower Upper
75 100
77 31.0 23.4 43.6

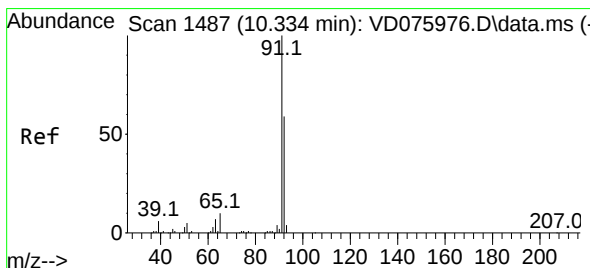
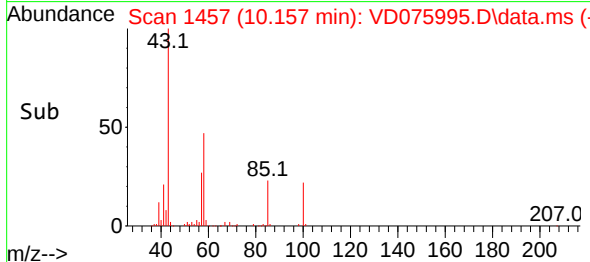
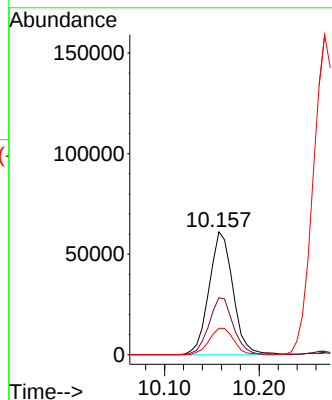
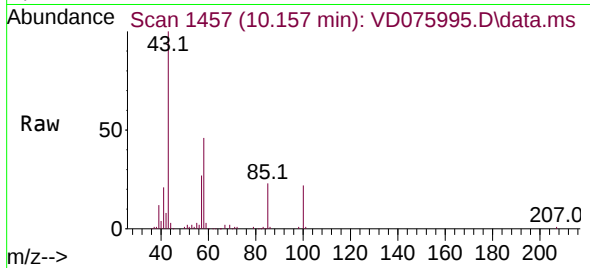




#40
4-Methyl-2-pentanone
Concen: 63.448 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

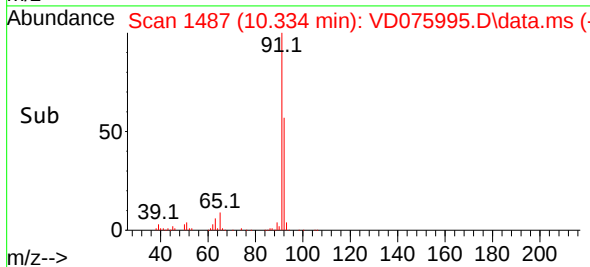
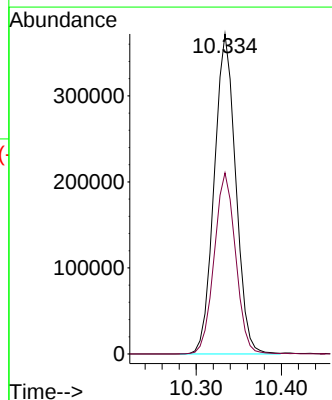
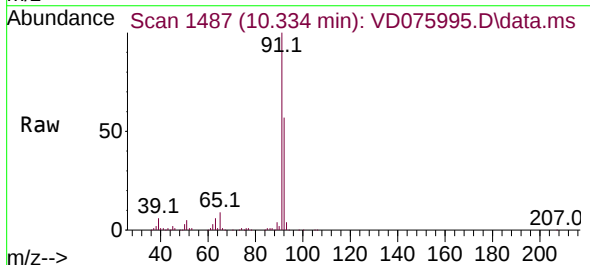
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

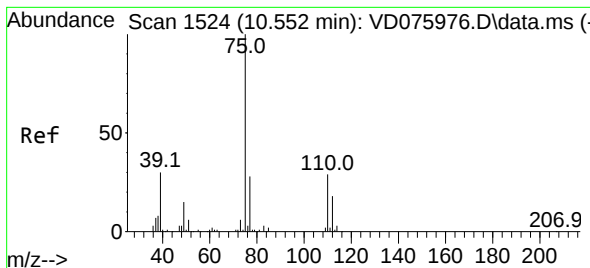
Tgt Ion: 43 Resp: 107151
Ion Ratio Lower Upper
43 100
58 46.7 39.1 58.7
100 22.2 19.4 29.0



#42
Toluene
Concen: 29.822 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 91 Resp: 650761
Ion Ratio Lower Upper
91 100
92 56.6 39.3 72.9

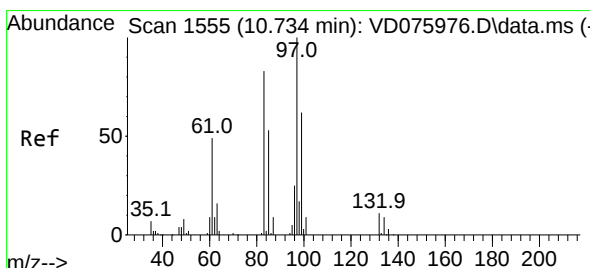
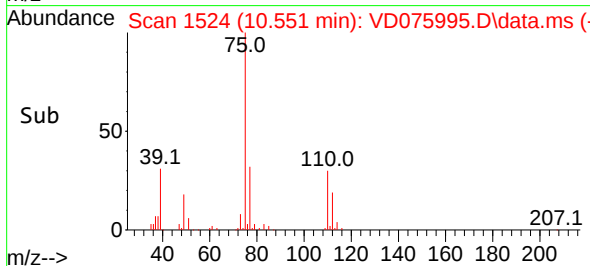
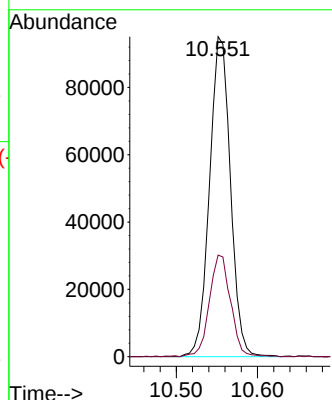
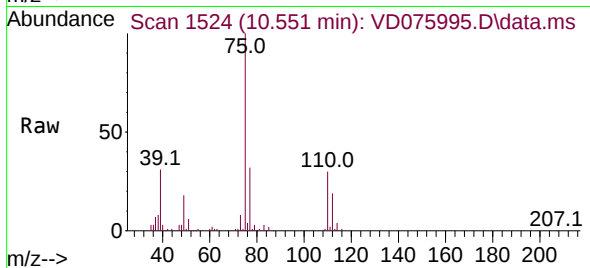




#44
trans-1,3-Dichloropropene
Concen: 28.768 ug/L
RT: 10.551 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

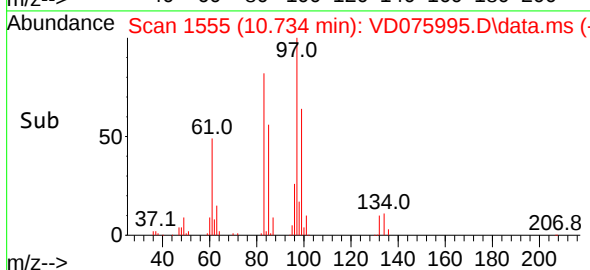
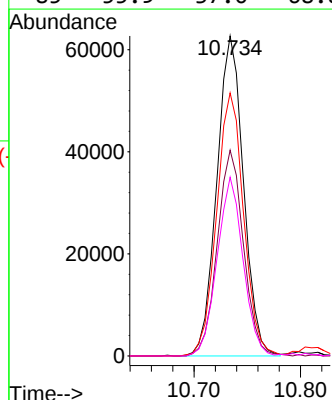
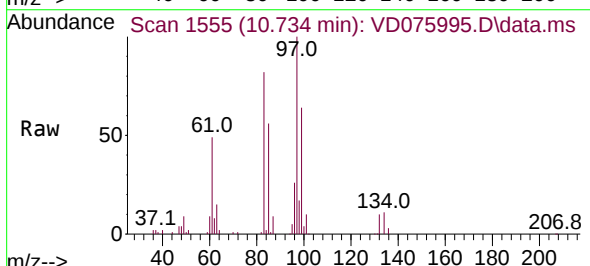
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

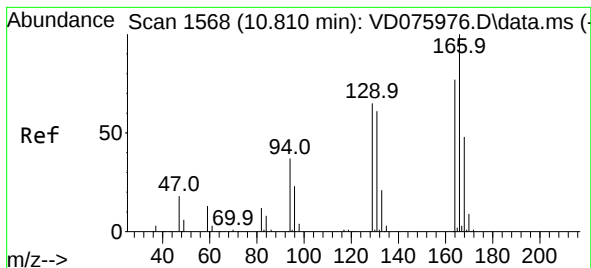
Tgt Ion: 75 Resp: 170241
Ion Ratio Lower Upper
75 100
77 31.8 22.0 41.0



#45
1,1,2-Trichloroethane
Concen: 27.635 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 97 Resp: 108900
Ion Ratio Lower Upper
97 100
99 64.3 42.2 78.4
83 82.2 54.8 101.8
85 55.9 37.0 68.8





#46

Tetrachloroethene

Concen: 29.046 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

VSTD025199

Tgt Ion:164 Resp: 124236

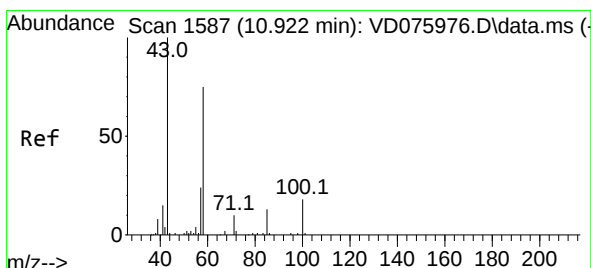
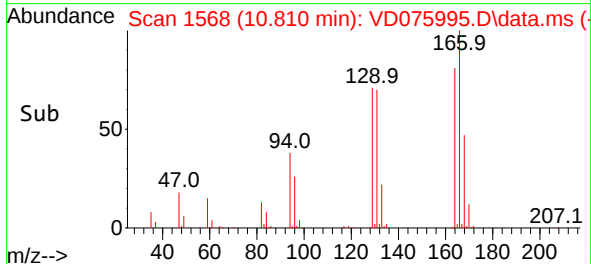
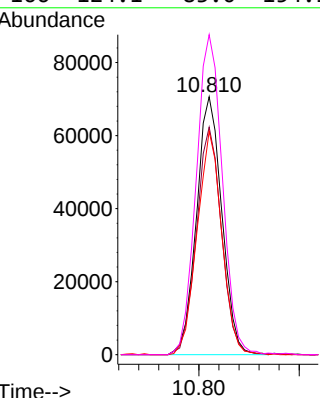
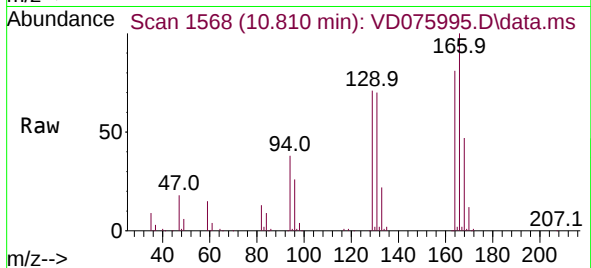
Ion Ratio Lower Upper

164 100

129 88.2 60.3 112.1

131 86.7 58.9 109.3

166 124.1 83.0 154.1



#48

2-Hexanone

Concen: 66.028 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Tgt Ion: 43 Resp: 78611

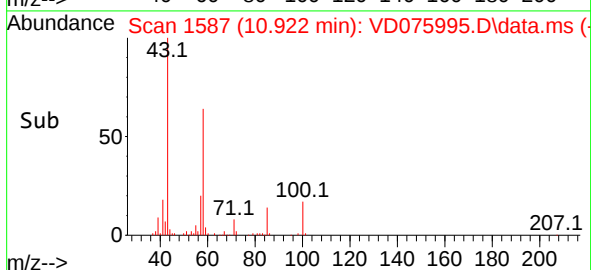
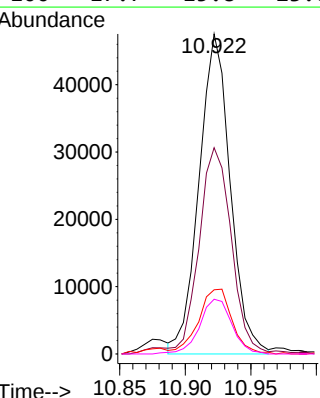
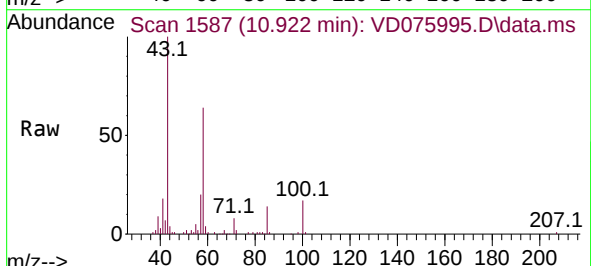
Ion Ratio Lower Upper

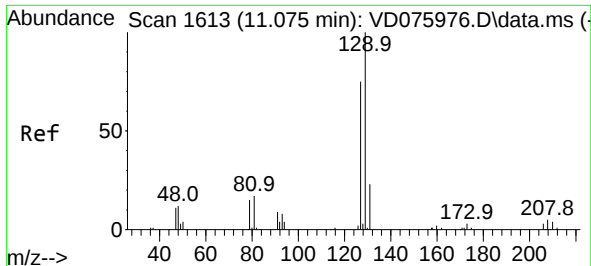
43 100

58 66.4 59.7 89.5

57 21.9 17.9 26.9

100 17.7 15.8 23.6





#49

Dibromochloromethane

Concen: 27.540 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

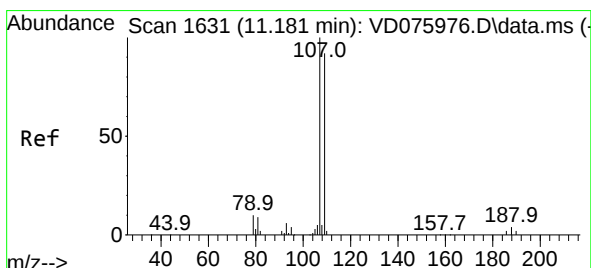
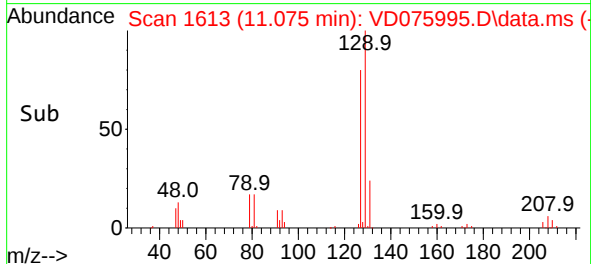
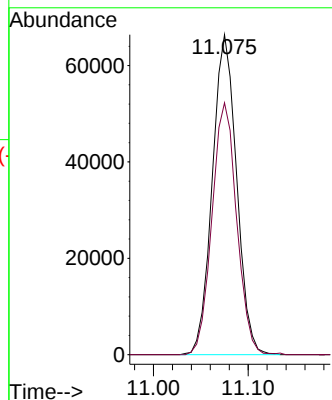
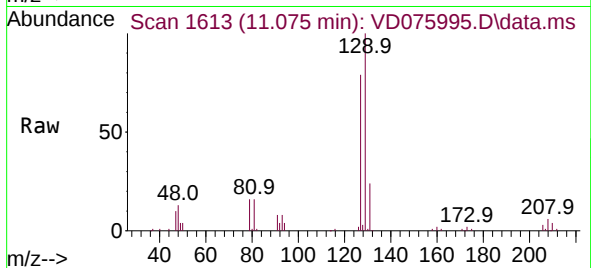
VSTD025199

Tgt Ion:129 Resp: 118145

Ion Ratio Lower Upper

129 100

127 78.7 55.6 103.4



#50

1,2-Dibromoethane

Concen: 27.260 ug/L

RT: 11.181 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

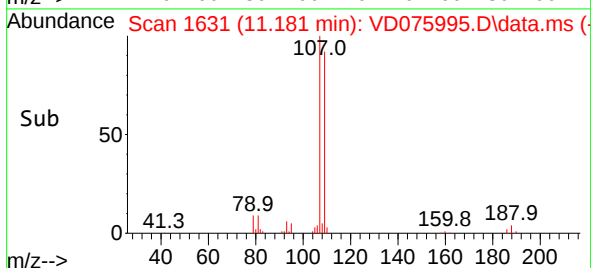
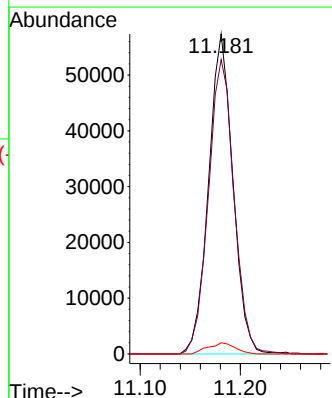
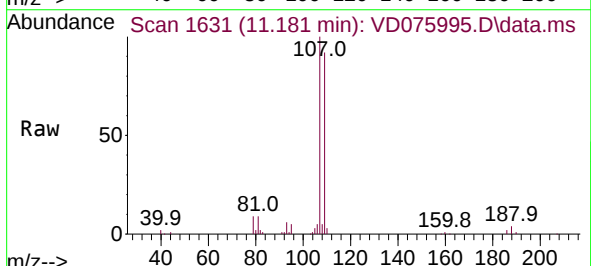
Tgt Ion:107 Resp: 96846

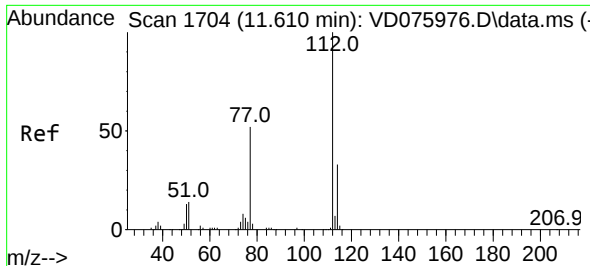
Ion Ratio Lower Upper

107 100

109 92.0 67.6 125.6

188 3.5 3.0 4.6

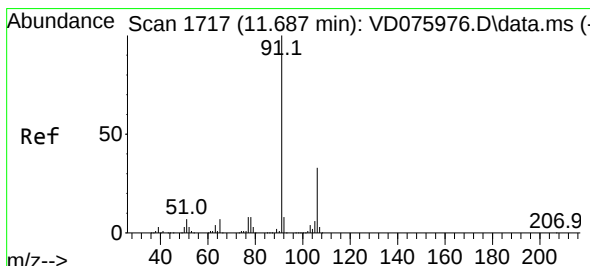
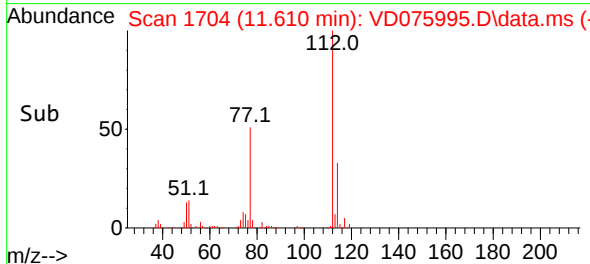
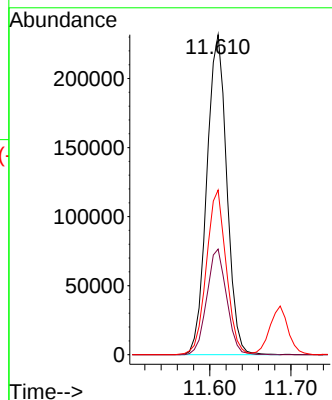
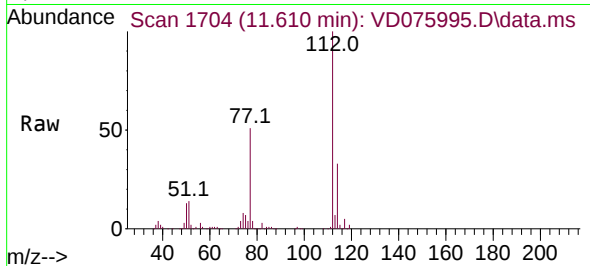




#51
Chlorobenzene
Concen: 27.639 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

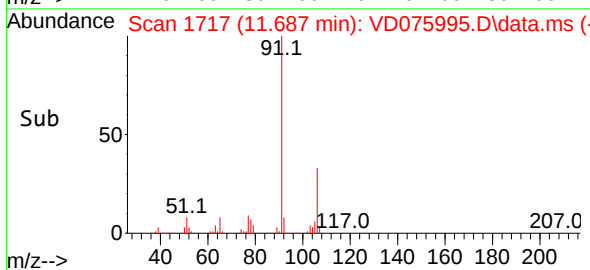
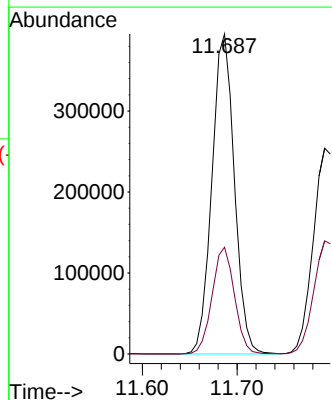
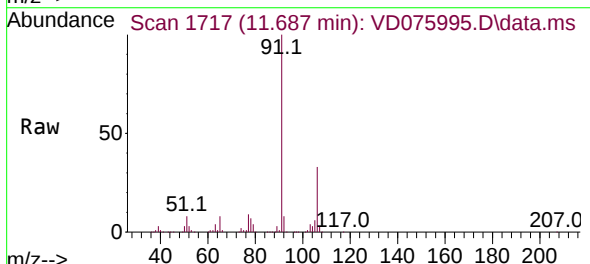
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

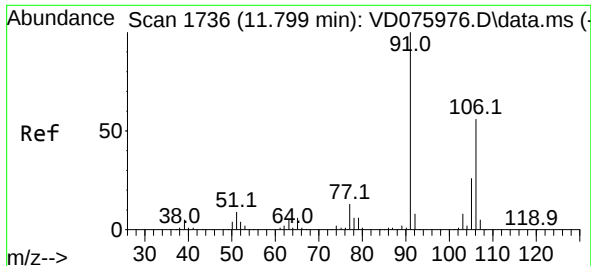
Tgt Ion:112 Resp: 394568
Ion Ratio Lower Upper
112 100
114 33.0 23.0 42.8
77 51.5 39.7 59.5



#52
Ethylbenzene
Concen: 29.088 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 91 Resp: 650898
Ion Ratio Lower Upper
91 100
106 33.3 23.7 43.9





#53

m,p-Xylene

Concen: 29.604 ug/L

RT: 11.793 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

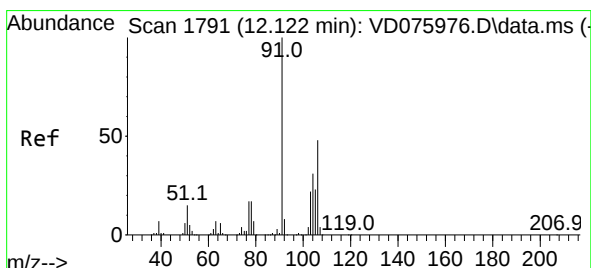
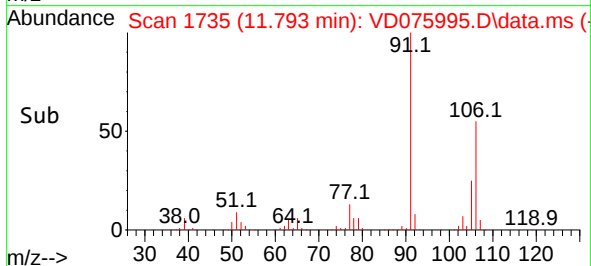
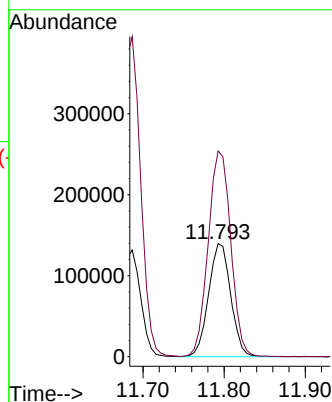
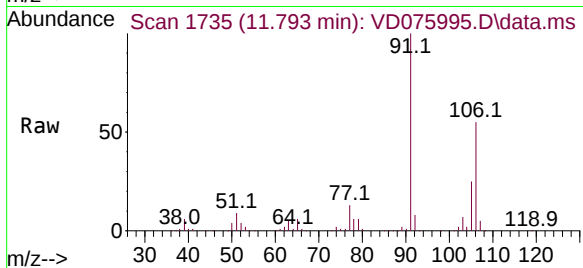
VSTD025199

Tgt Ion:106 Resp: 263775

Ion Ratio Lower Upper

106 100

91 181.8 130.9 243.1



#54

o-Xylene

Concen: 29.103 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD075995.D

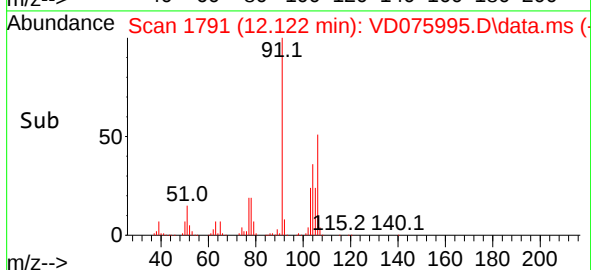
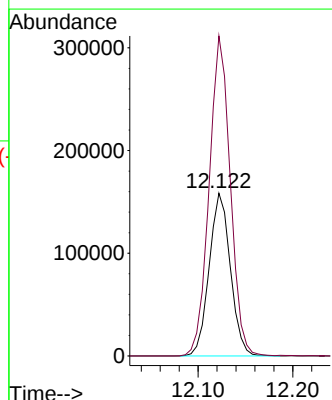
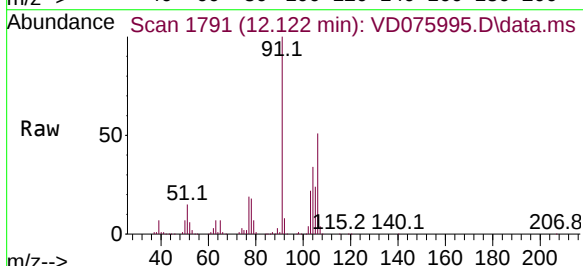
Acq: 04 May 2023 10:03

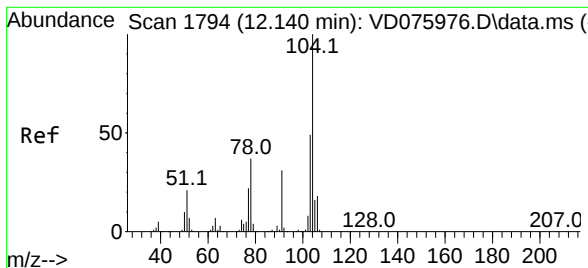
Tgt Ion:106 Resp: 246292

Ion Ratio Lower Upper

106 100

91 196.6 139.8 259.6





#55

Styrene

Concen: 29.802 ug/L

RT: 12.140 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

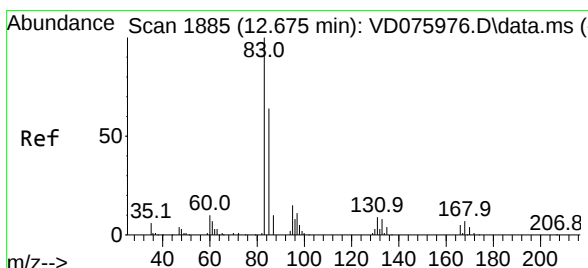
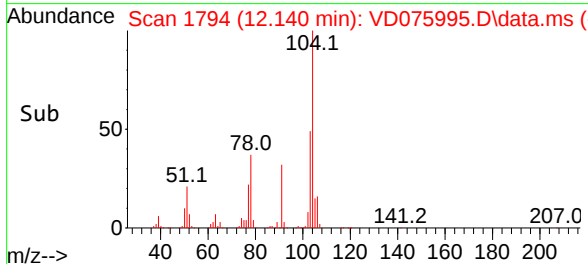
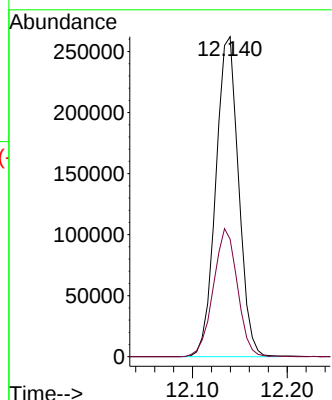
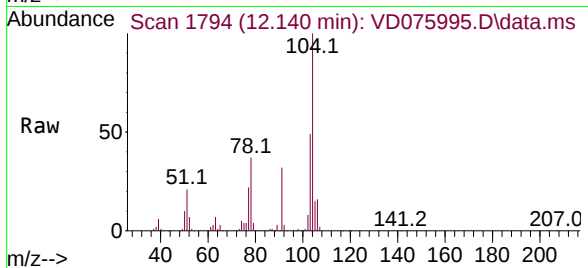
VSTD025199

Tgt Ion:104 Resp: 438971

Ion Ratio Lower Upper

104 100

78 36.7 26.2 48.6



#57

1,1,2,2-Tetrachloroethane

Concen: 28.815 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

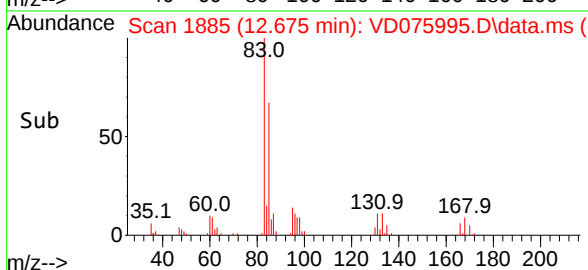
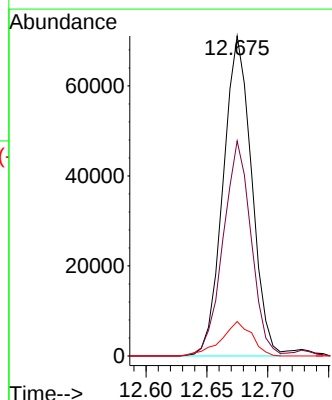
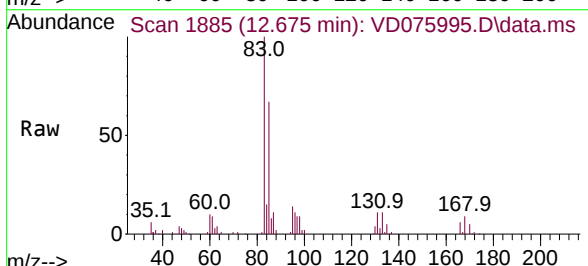
Tgt Ion: 83 Resp: 115535

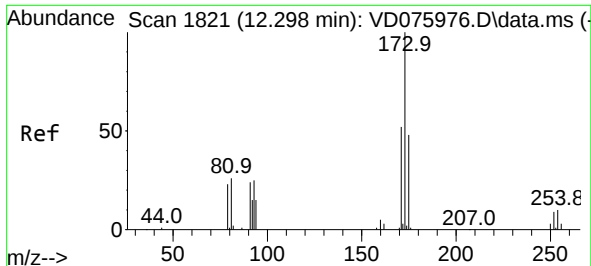
Ion Ratio Lower Upper

83 100

85 67.2 45.1 83.7

131 10.8 7.0 10.6#

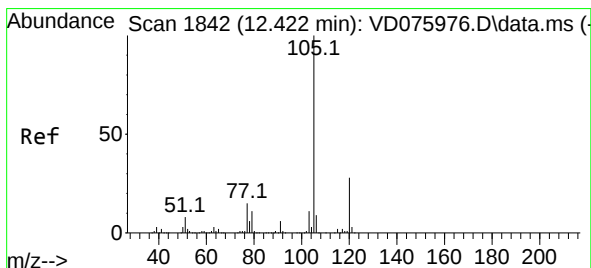
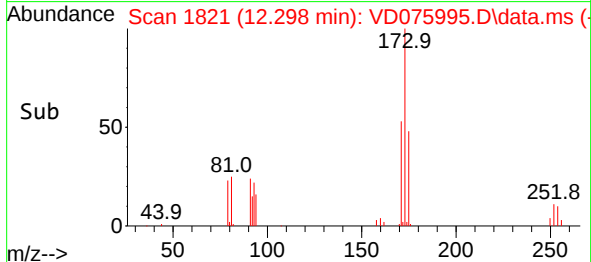
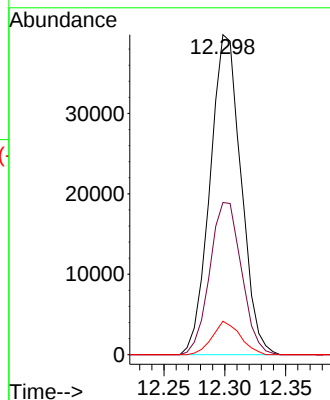
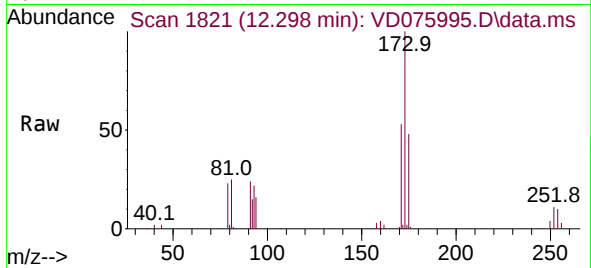




#59
Bromoform
Concen: 26.773 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

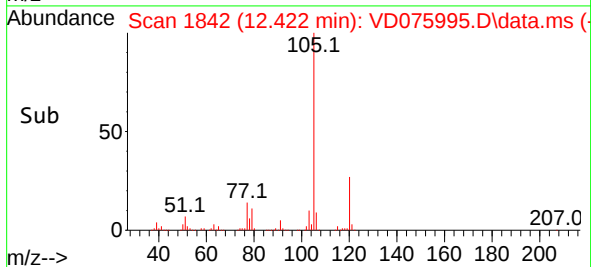
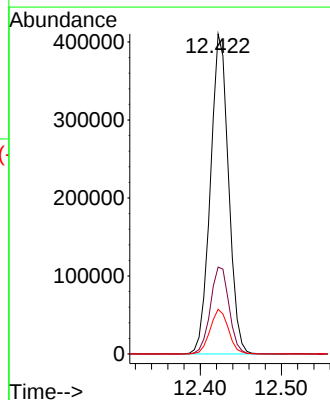
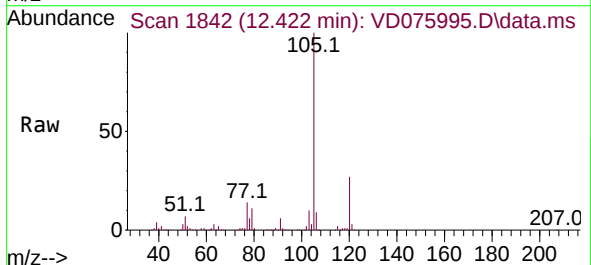
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

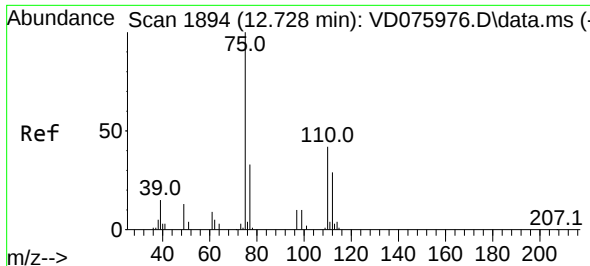
Tgt Ion:173 Resp: 70466
Ion Ratio Lower Upper
173 100
175 48.7 39.4 59.0
254 9.4 7.4 11.2



#60
Isopropylbenzene
Concen: 27.880 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion:105 Resp: 634868
Ion Ratio Lower Upper
105 100
120 28.0 22.7 34.1
77 14.0 10.9 16.3

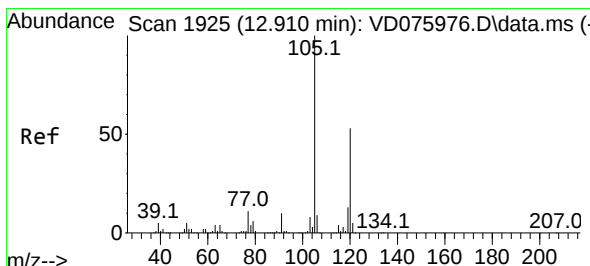
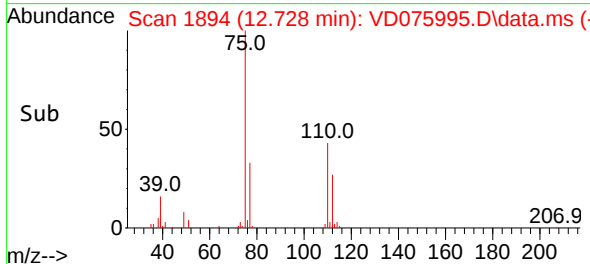
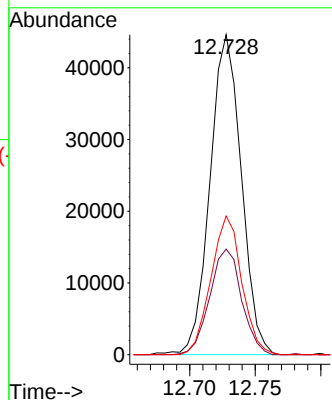
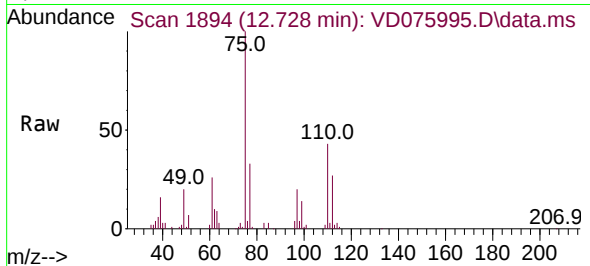




#61
1,2,3-Trichloropropane
Concen: 27.333 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

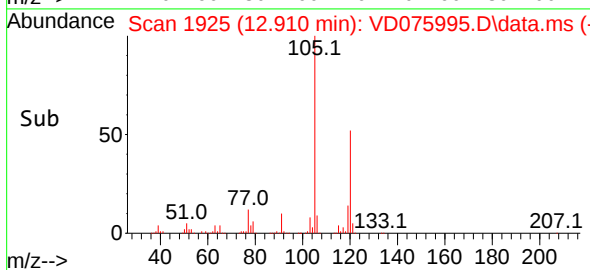
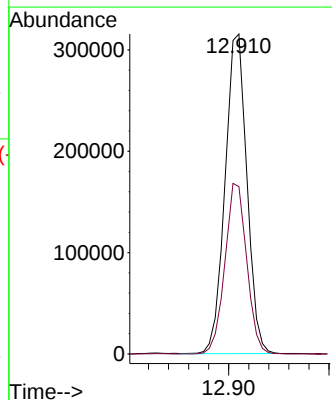
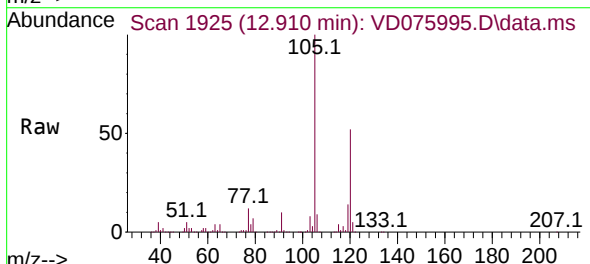
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

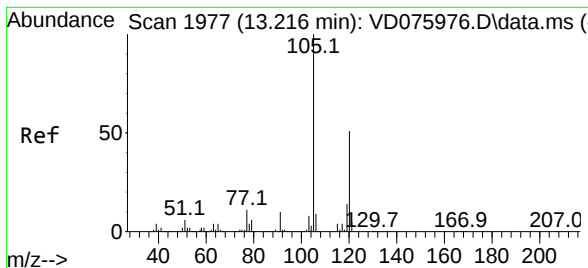
Tgt Ion: 75 Resp: 73736
Ion Ratio Lower Upper
75 100
77 33.7 26.6 39.8
110 42.8 33.5 50.3



#62
1,3,5-Trimethylbenzene
Concen: 28.015 ug/L
RT: 12.910 min Scan# 1925
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 105 Resp: 475694
Ion Ratio Lower Upper
105 100
120 53.4 42.0 63.0





#63

1,2,4-Trimethylbenzene

Concen: 28.235 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

Instrument :

MSVOA_D

ClientSampleId :

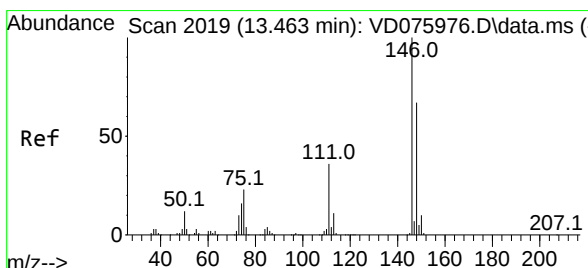
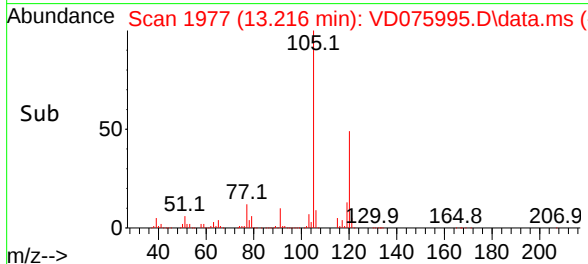
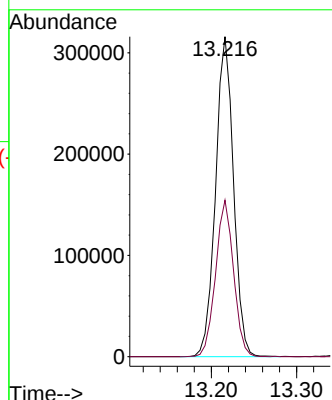
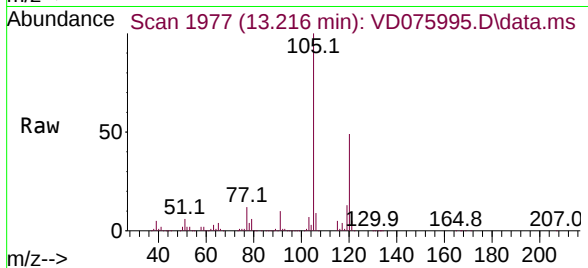
VSTD025199

Tgt Ion:105 Resp: 462159

Ion Ratio Lower Upper

105 100

120 48.9 39.0 58.6



#64

1,3-Dichlorobenzene

Concen: 27.406 ug/L

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD075995.D

Acq: 04 May 2023 10:03

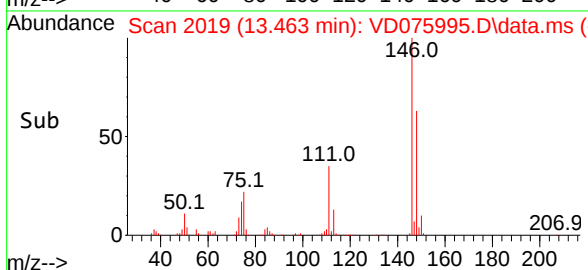
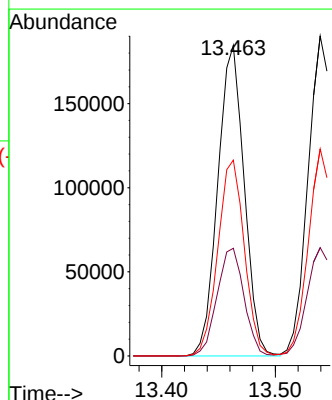
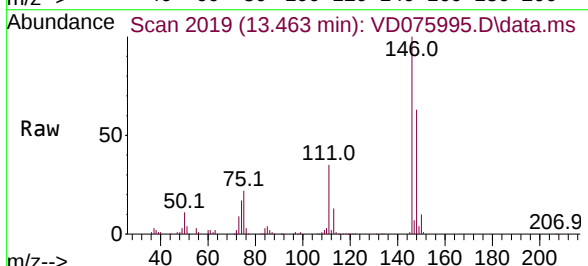
Tgt Ion:146 Resp: 298595

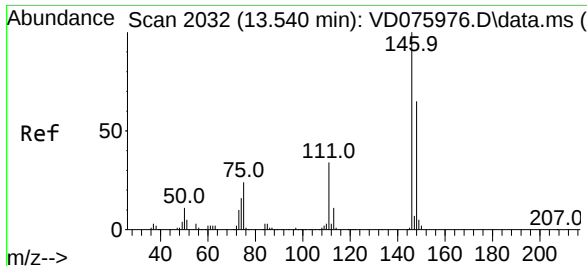
Ion Ratio Lower Upper

146 100

111 34.7 26.5 49.1

148 63.1 43.8 81.3

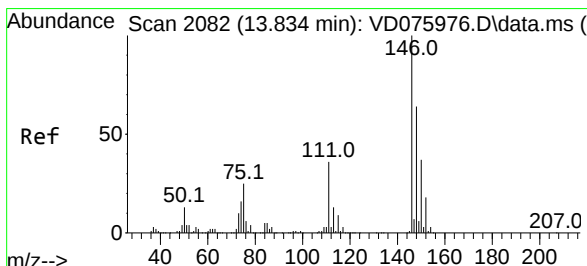
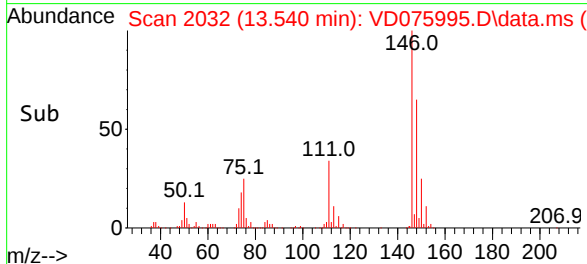
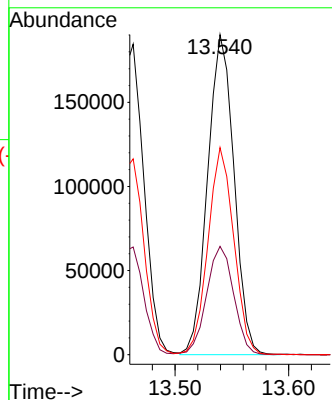
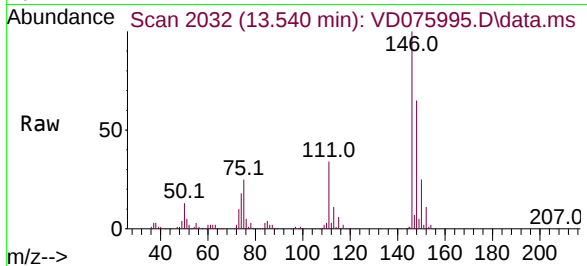




#65
1,4-Dichlorobenzene
Concen: 26.847 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

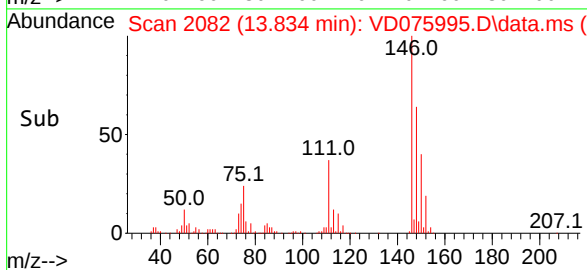
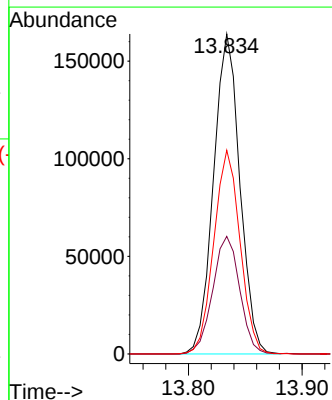
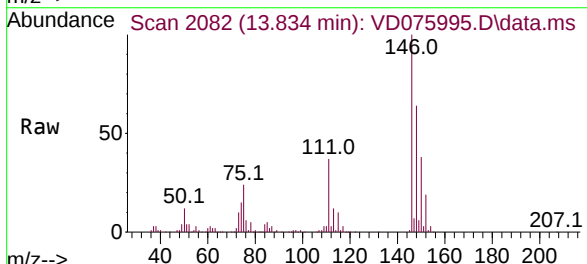
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

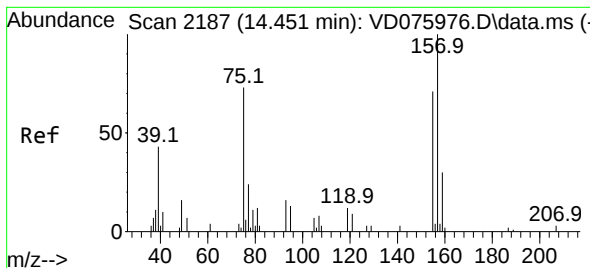
Tgt Ion:146 Resp: 306994
Ion Ratio Lower Upper
146 100
111 33.8 24.6 45.8
148 64.7 44.4 82.4



#67
1,2-Dichlorobenzene
Concen: 27.133 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion:146 Resp: 264000
Ion Ratio Lower Upper
146 100
111 36.8 30.6 46.0
148 63.7 51.4 77.0

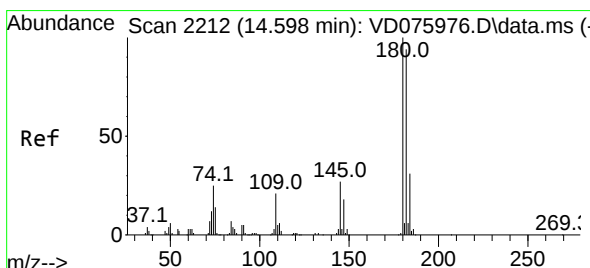
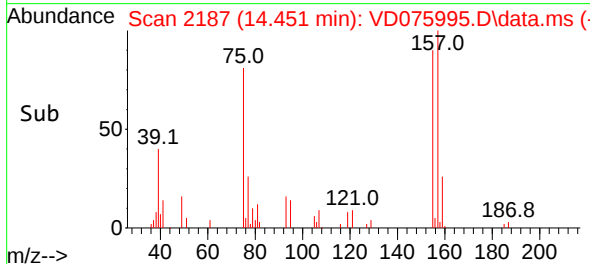
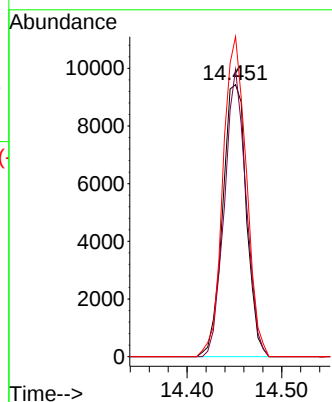
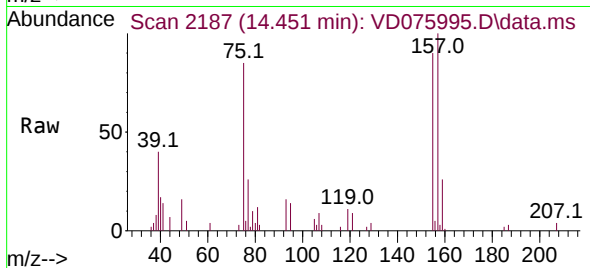




#68
1,2-Dibromo-3-chloropropane
Concen: 30.424 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

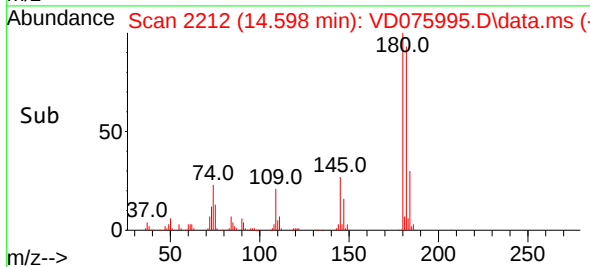
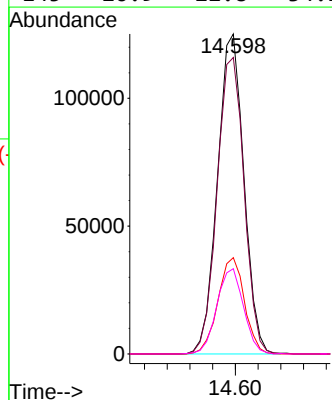
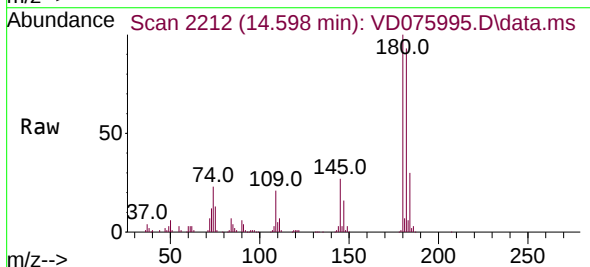
Instrument :
MSVOA_D
ClientSampleId :
VSTD025199

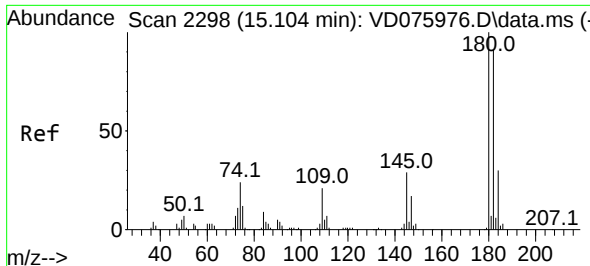
Tgt Ion: 75 Resp: 16408
Ion Ratio Lower Upper
75 100
155 105.6 74.6 111.8
157 117.6 109.4 164.2



#69
1,3,5-Trichlorobenzene
Concen: 27.727 ug/L
RT: 14.598 min Scan# 2212
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

Tgt Ion: 180 Resp: 202487
Ion Ratio Lower Upper
180 100
182 94.6 74.9 112.3
184 30.2 25.0 37.4
145 26.9 22.8 34.2

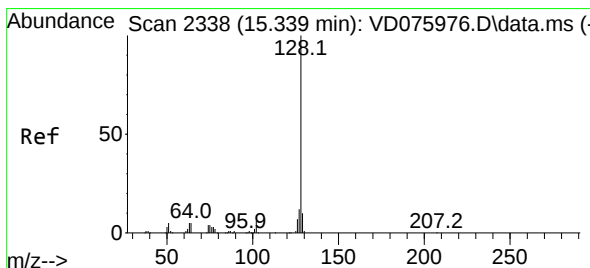
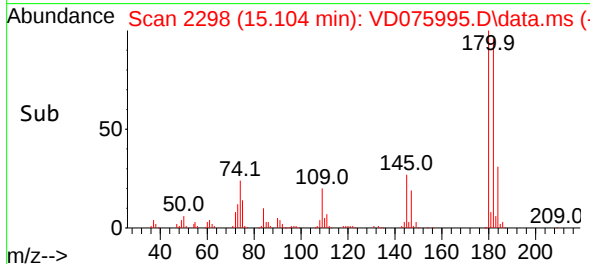
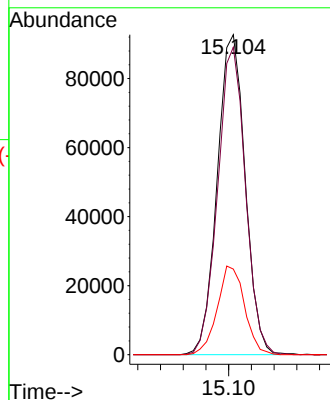
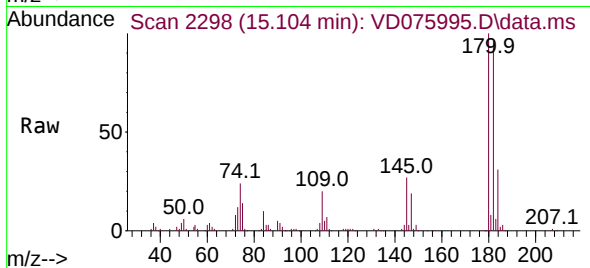




#70
1,2,4-trichlorobenzene
Concen: 26.157 ug/L
RT: 15.104 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

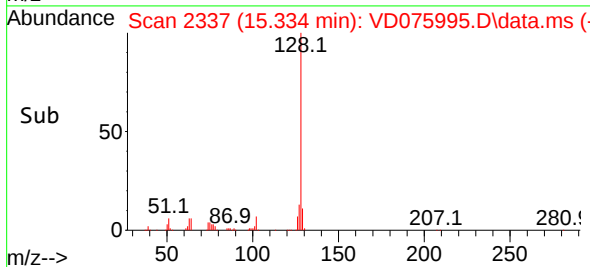
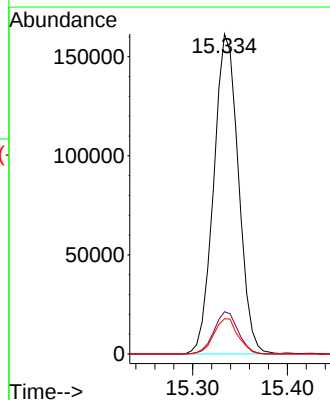
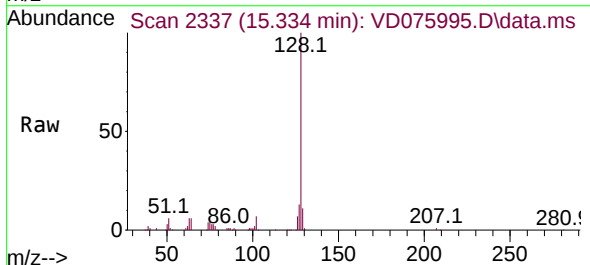
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MSVOA_D
ClientSampleId :
VSTD025199

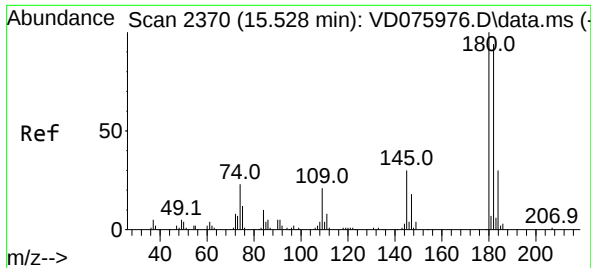
Tgt Ion:180 Resp: 158301
Ion Ratio Lower Upper
180 100
182 95.3 75.4 113.2
145 27.0 23.6 35.4



#71
Naphthalene
Concen: 26.413 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. -0.006 min
Lab File: VD075995.D
Acq: 04 May 2023 10:03

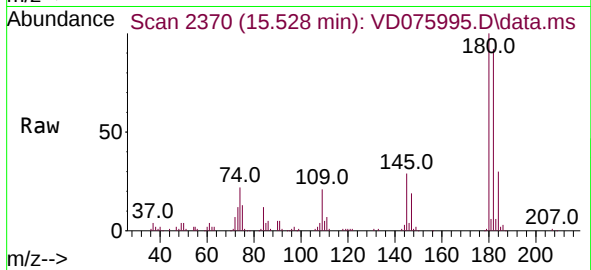
Tgt Ion:128 Resp: 292521
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 9.1 13.7





#72
 1,2,3-Trichlorobenzene
 Concen: 27.102 ug/L
 RT: 15.528 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD075995.D
 Acq: 04 May 2023 10:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025199



Tgt Ion:180 Resp: 146410
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.3 114.5
 145 29.2 25.0 37.6

