

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061523\
 Data File : VD076434.D
 Acq On : 15 Jun 2023 12:08
 Operator : KP/SY
 Sample : VSTD05055
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050155

Quant Time: Jun 16 01:15:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:13:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	268495	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	239651	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	119295	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	306271	46.840	ug/L	0.00
7) Chloroethane-d5	2.793	69	245141	46.314	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.917	65	79942	46.838	ug/L	0.00
21) 2-Butanone-d5	6.981	46	98973	93.476	ug/L	0.00
24) Chloroform-d	7.563	84	340924	48.195	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	170915	48.977	ug/L	0.00
32) Benzene-d6	8.199	84	716853	48.899	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	222610	47.572	ug/L	0.00
41) Toluene-d8	10.269	98	666794	49.122	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	97074	49.876	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	71448	98.362	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	165981	49.857	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	207933	47.553	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	205270	49.063	ug/L	98
3) Chloromethane	2.146	50	331364	47.643	ug/L	98
5) Vinyl chloride	2.281	62	368029	49.051	ug/L	97
6) Bromomethane	2.687	94	215774	51.921	ug/L	98
8) Chloroethane	2.828	64	224717	48.894	ug/L	100
9) Trichlorofluoromethane	3.170	101	268414	49.477	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	170113	48.342	ug/L	98
12) 1,1-Dichloroethene	3.934	96	169877	48.563	ug/L	99
13) Acetone	4.017	43	70364	87.706	ug/L	92
14) Carbon disulfide	4.270	76	624802	49.464	ug/L	99
15) Methyl Acetate	4.558	43	88976	46.120	ug/L	98
16) Methylene chloride	4.793	84	197156	42.185	ug/L	94
17) trans-1,2-Dichloroethene	5.311	96	194427	49.853	ug/L	98
18) Methyl tert-butyl Ether	5.317	73	439061	49.642	ug/L #	91
19) 1,1-Dichloroethane	6.111	63	347743	48.960	ug/L	96
20) cis-1,2-Dichloroethene	7.075	96	216936	49.829	ug/L	99
22) 2-Butanone	7.081	43	119428	87.419	ug/L	98
23) Bromochloromethane	7.422	128	92542	50.256	ug/L	93
25) Chloroform	7.593	83	337727	48.722	ug/L	96
27) 1,2-Dichloroethane	8.322	62	210563	49.395	ug/L	99
29) Cyclohexane	7.869	56	312466	49.031	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	276127	49.598	ug/L	100
31) Carbon tetrachloride	7.987	117	230655	51.804	ug/L	99
33) Benzene	8.252	78	795181	50.134	ug/L	100
34) Trichloroethene	9.028	95	202636	49.734	ug/L	97
35) Methylcyclohexane	9.275	83	328179	49.949	ug/L	99
37) 1,2-Dichloropropane	9.305	63	213716	49.423	ug/L	99
38) Bromodichloromethane	9.587	83	250845	50.860	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	334120	50.601	ug/L	99
40) 4-Methyl-2-pentanone	10.157	43	265784	98.801	ug/L	99
42) Toluene	10.334	91	855012	50.444	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	275357	51.304	ug/L	98

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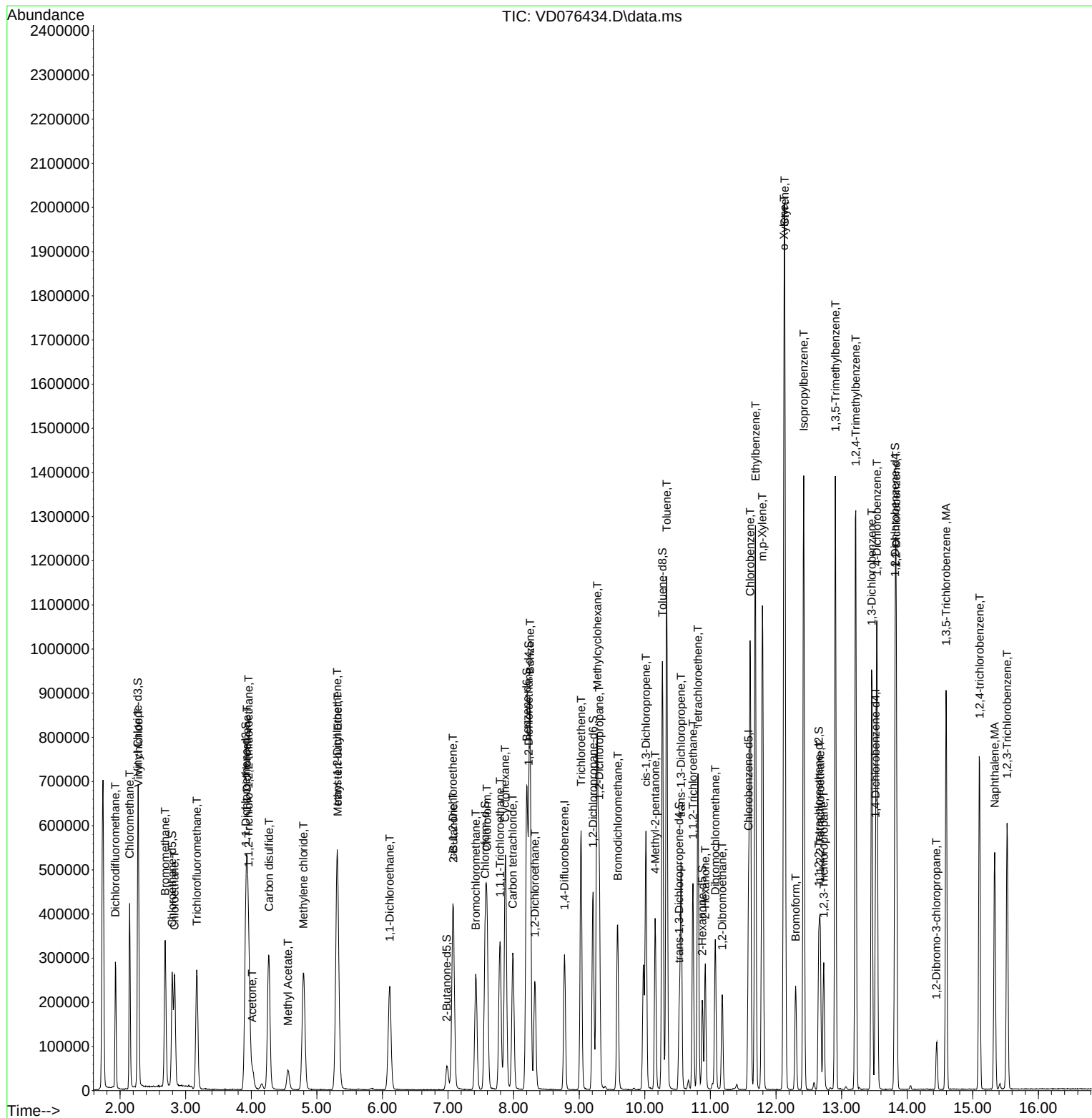
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	146215	49.296	ug/L	95
46) Tetrachloroethene	10.810	164	159846	49.903	ug/L	92
48) 2-Hexanone	10.922	43	187919	101.998	ug/L	96
49) Dibromochloromethane	11.075	129	172267	51.106	ug/L	97
50) 1,2-Dibromoethane	11.181	107	143707	49.919	ug/L	86
51) Chlorobenzene	11.604	112	535299	50.585	ug/L	98
52) Ethylbenzene	11.687	91	925834	50.678	ug/L	100
53) m,p-Xylene	11.793	106	354865	49.427	ug/L	100
54) o-Xylene	12.122	106	345697	50.570	ug/L	97
55) Styrene	12.134	104	601336	50.916	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.675	83	170808	50.389	ug/L	99
59) Bromoform	12.299	173	105954	49.614	ug/L #	98
60) Isopropylbenzene	12.422	105	896953	49.157	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	112509	48.596	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	718495	49.216	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	713860	49.553	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	392272	48.323	ug/L	98
65) 1,4-Dichlorobenzene	13.540	146	395588	48.344	ug/L	99
67) 1,2-Dichlorobenzene	13.834	146	353307	48.855	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.445	75	24077	46.706	ug/L	93
69) 1,3,5-Trichlorobenzene	14.593	180	274563	50.708	ug/L	97
70) 1,2,4-trichlorobenzene	15.104	180	233727	48.515	ug/L	100
71) Naphthalene	15.334	128	453946	49.215	ug/L	100
72) 1,2,3-Trichlorobenzene	15.522	180	201615	48.191	ug/L	97

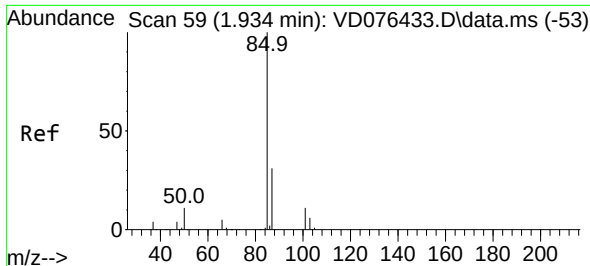
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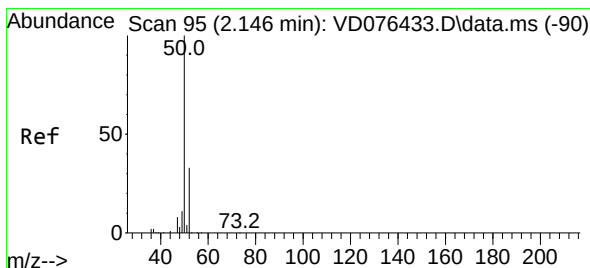
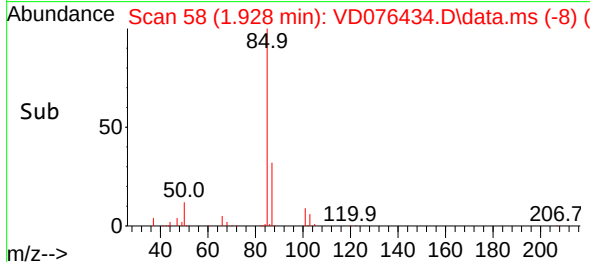
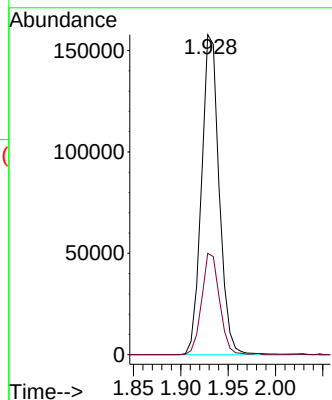
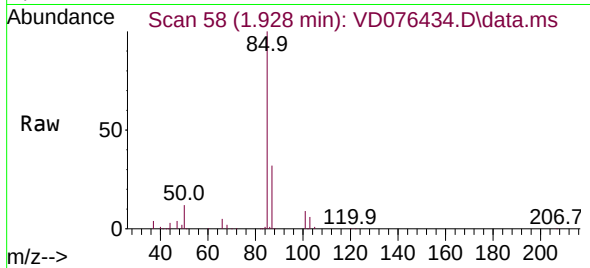




#2
Dichlorodifluoromethane
Concen: 49.063 ug/L
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

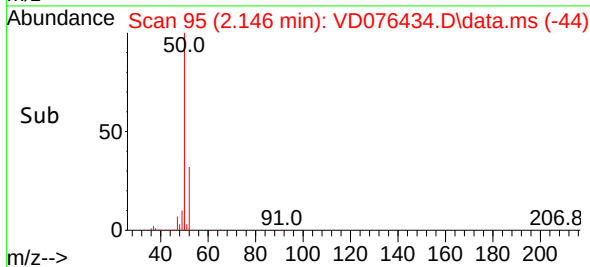
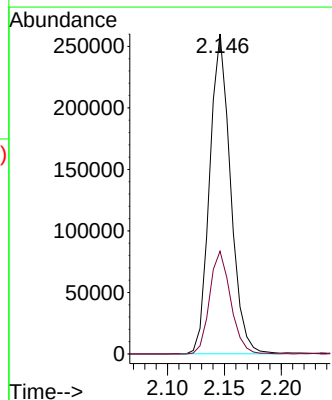
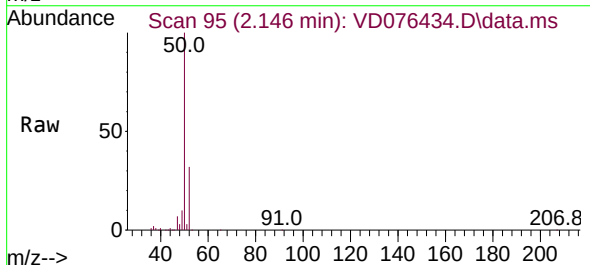
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

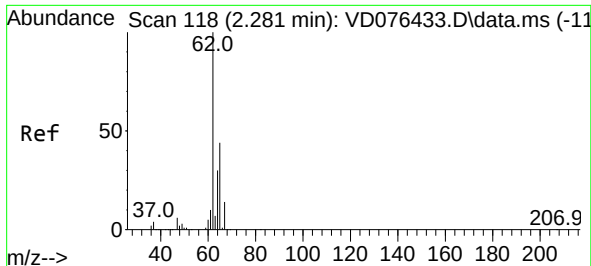
Tgt Ion: 85 Resp: 205270
Ion Ratio Lower Upper
85 100
87 31.9 26.3 39.5



#3
Chloromethane
Concen: 47.643 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion: 50 Resp: 331364
Ion Ratio Lower Upper
50 100
52 32.1 23.2 43.2

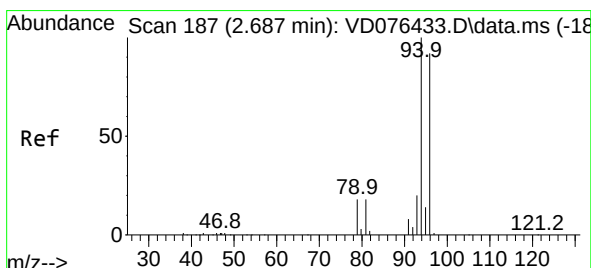
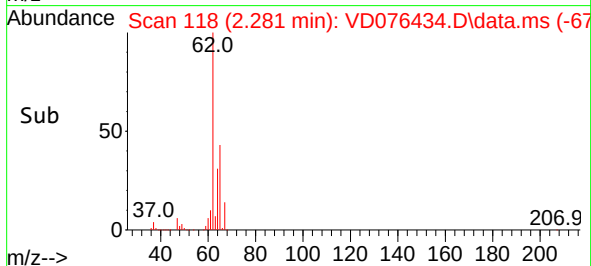
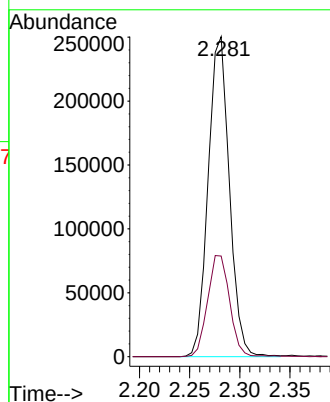
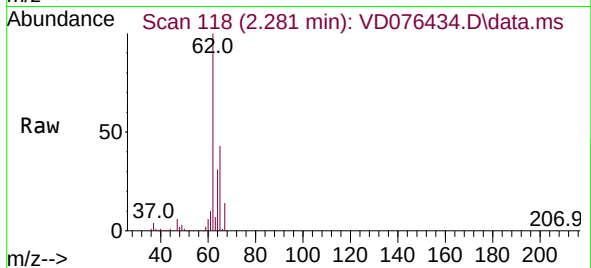




#5
 Vinyl chloride
 Concen: 49.051 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD076434.D
 Acq: 15 Jun 2023 12:08

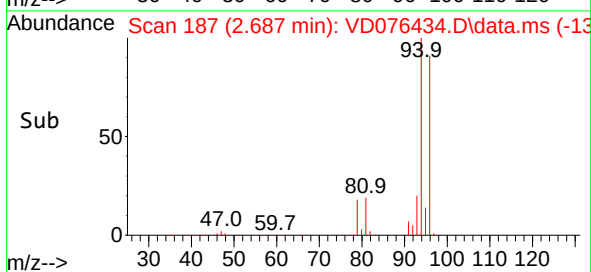
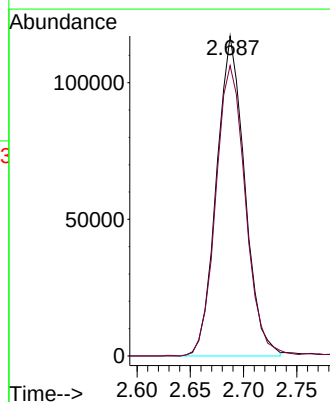
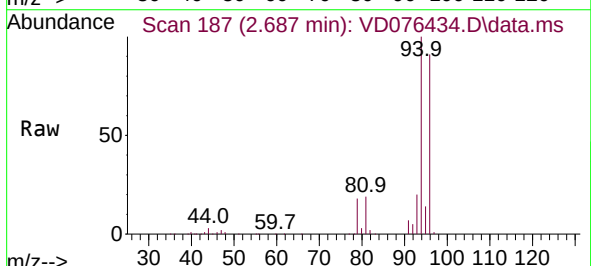
Instrument :
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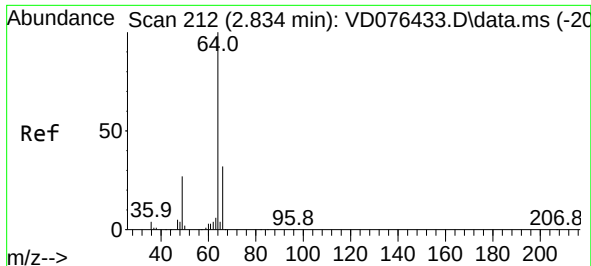
Tgt Ion: 62 Resp: 368029
 Ion Ratio Lower Upper
 62 100
 64 31.5 21.1 39.1



#6
 Bromomethane
 Concen: 51.921 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. 0.000 min
 Lab File: VD076434.D
 Acq: 15 Jun 2023 12:08

Tgt Ion: 94 Resp: 215774
 Ion Ratio Lower Upper
 94 100
 96 90.7 64.7 120.1

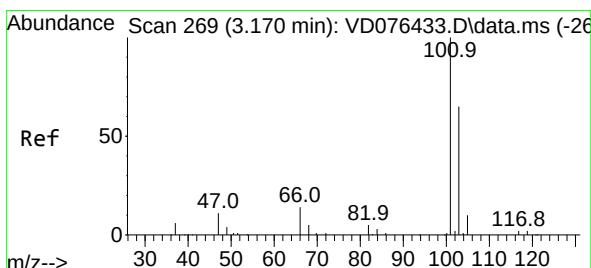
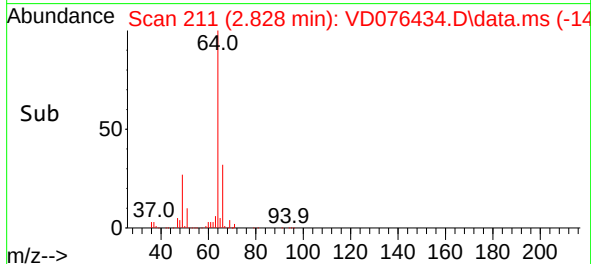
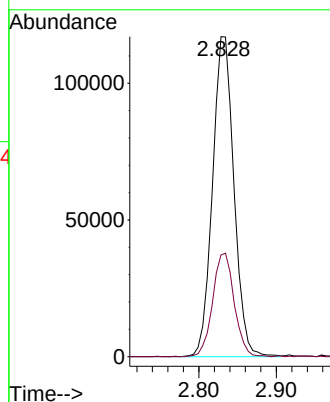
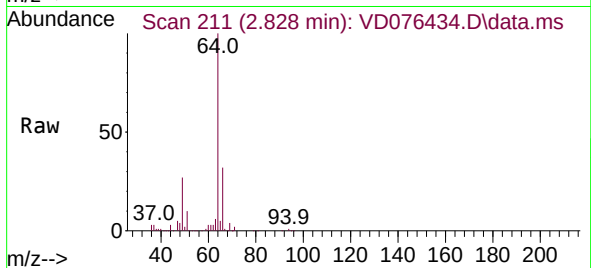




#8
Chloroethane
Concen: 48.894 ug/L
RT: 2.828 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

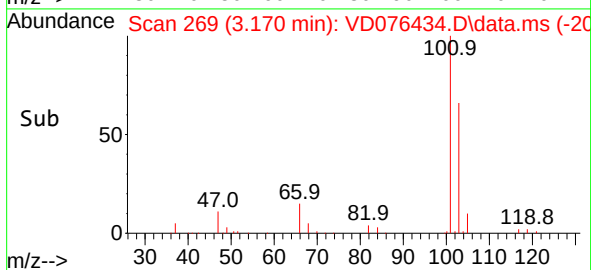
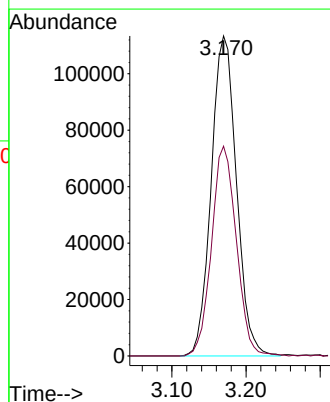
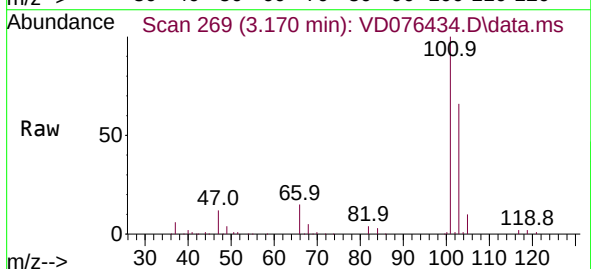
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

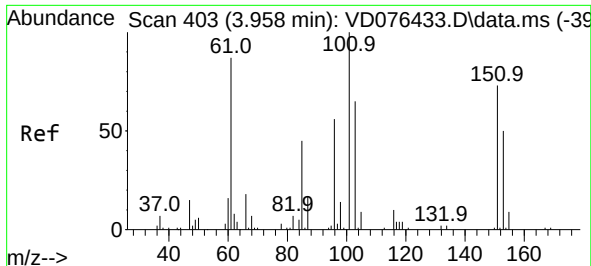
Tgt Ion: 64 Resp: 224717
Ion Ratio Lower Upper
64 100
66 31.8 22.1 41.1



#9
Trichlorofluoromethane
Concen: 49.477 ug/L
RT: 3.170 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion: 101 Resp: 268414
Ion Ratio Lower Upper
101 100
103 64.5 51.8 77.6

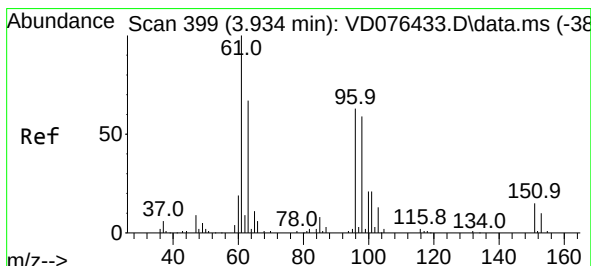
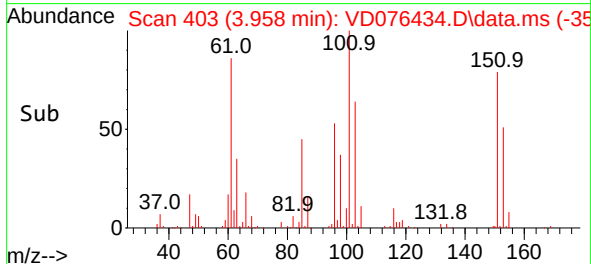
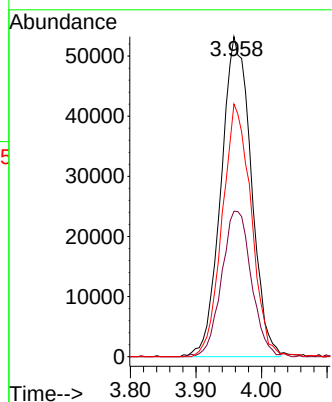
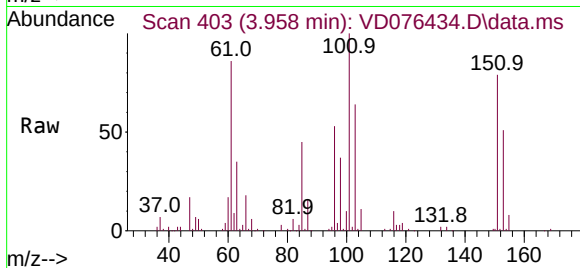




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.342 ug/L
 RT: 3.958 min Scan# 403
 Delta R.T. 0.000 min
 Lab File: VD076434.D
 Acq: 15 Jun 2023 12:08

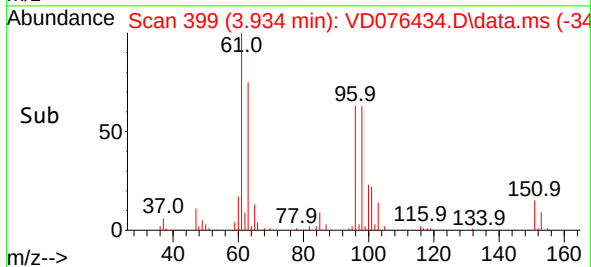
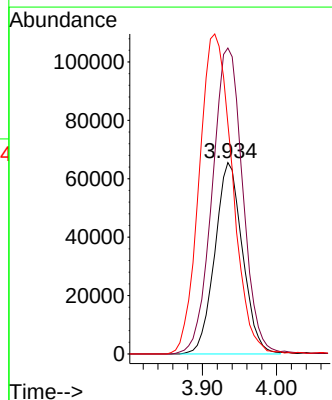
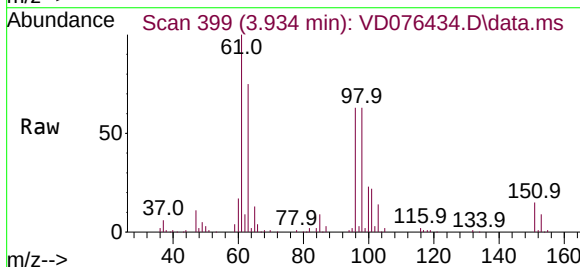
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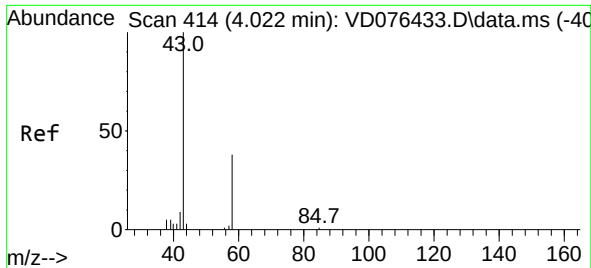
Tgt Ion:101 Resp: 170113
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.5 53.3
 151 75.6 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 48.563 ug/L
 RT: 3.934 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VD076434.D
 Acq: 15 Jun 2023 12:08

Tgt Ion: 96 Resp: 169877
 Ion Ratio Lower Upper
 96 100
 61 159.8 113.0 209.8
 63 120.4 83.6 155.2





#13

Acetone

Concen: 87.706 ug/L

RT: 4.017 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

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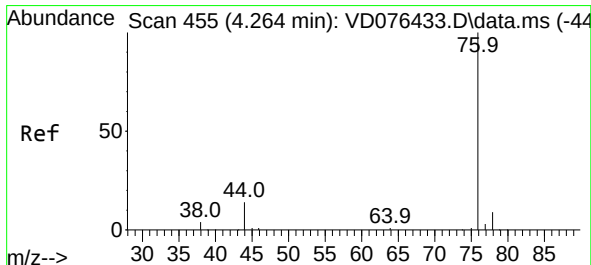
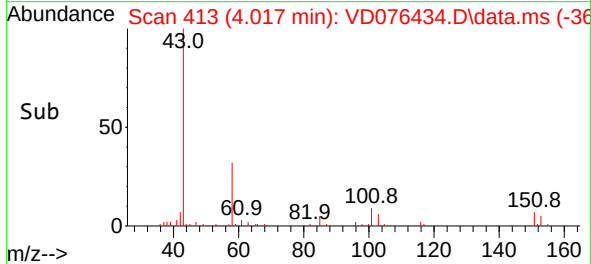
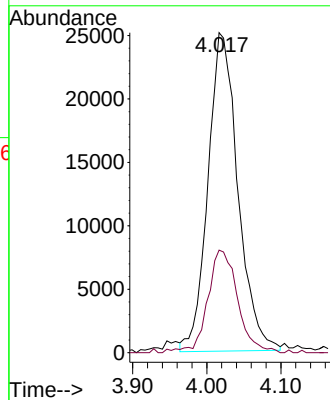
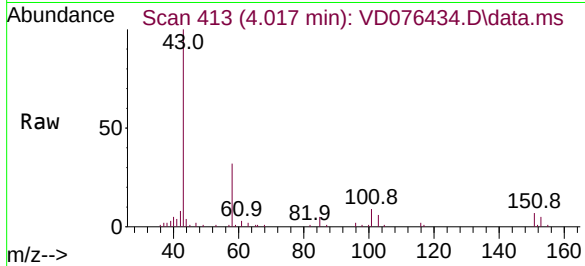
VSTD050155

Tgt Ion: 43 Resp: 70364

Ion Ratio Lower Upper

43 100

58 29.3 0.0 67.4



#14

Carbon disulfide

Concen: 49.464 ug/L

RT: 4.270 min Scan# 456

Delta R.T. 0.006 min

Lab File: VD076434.D

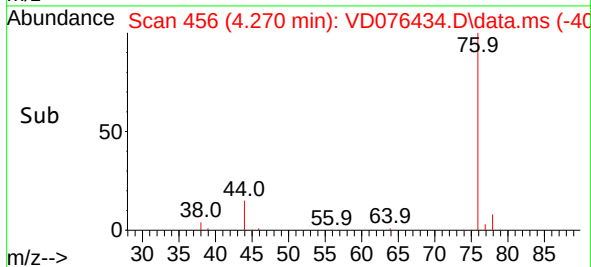
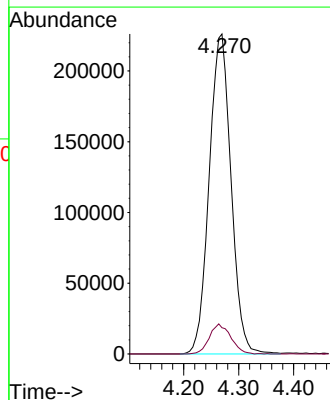
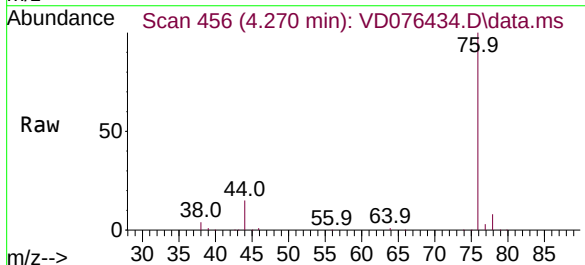
Acq: 15 Jun 2023 12:08

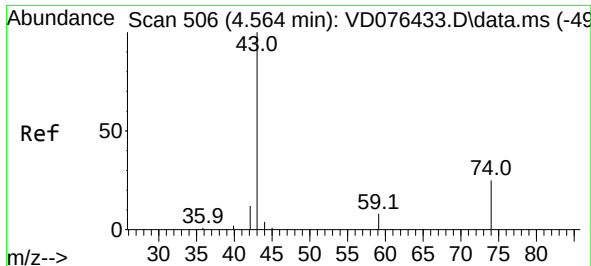
Tgt Ion: 76 Resp: 624802

Ion Ratio Lower Upper

76 100

78 8.2 7.0 10.4

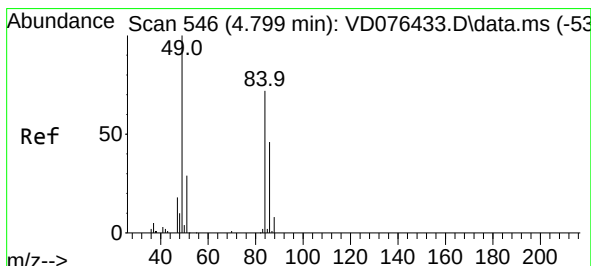
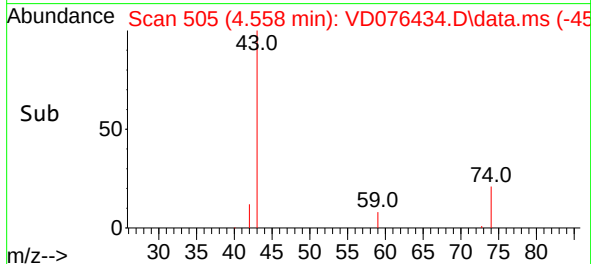
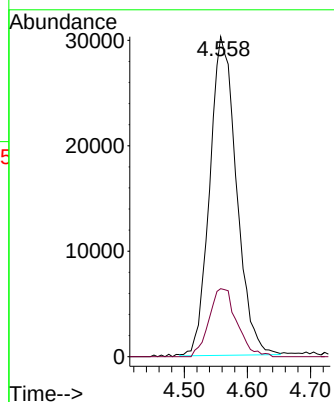
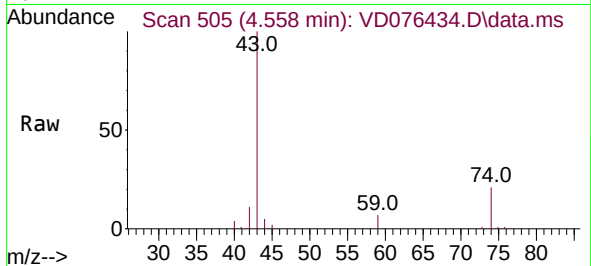




#15
Methyl Acetate
Concen: 46.120 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

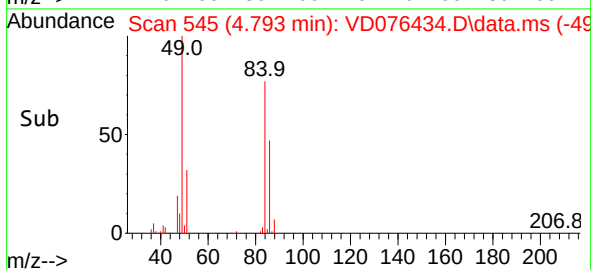
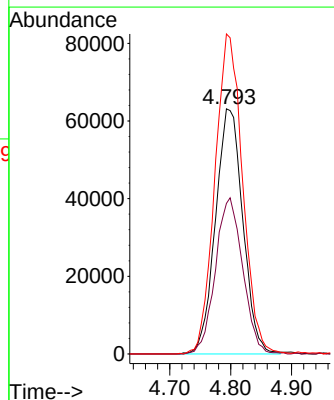
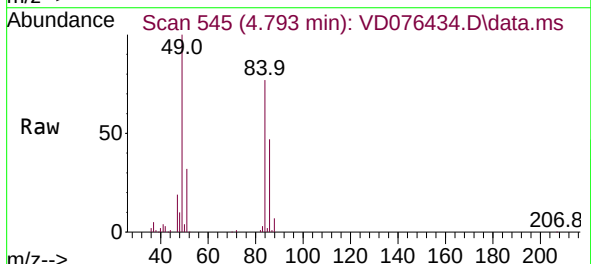
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

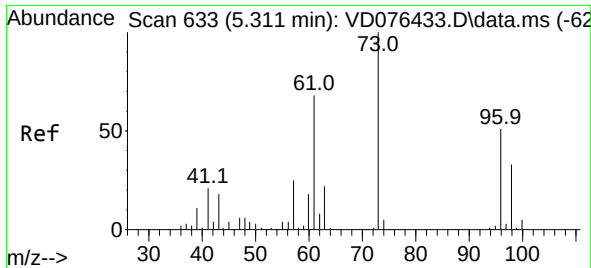
Tgt Ion: 43 Resp: 88976
Ion Ratio Lower Upper
43 100
74 21.9 18.2 27.2



#16
Methylene chloride
Concen: 42.185 ug/L
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion: 84 Resp: 197156
Ion Ratio Lower Upper
84 100
86 61.4 45.1 83.9
49 130.5 97.2 180.6



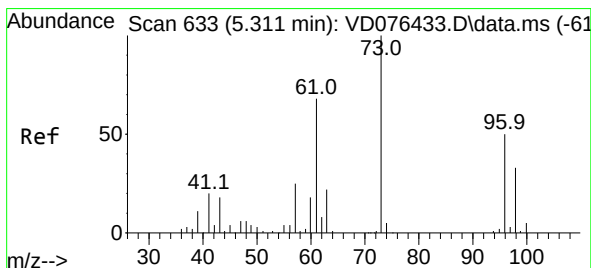
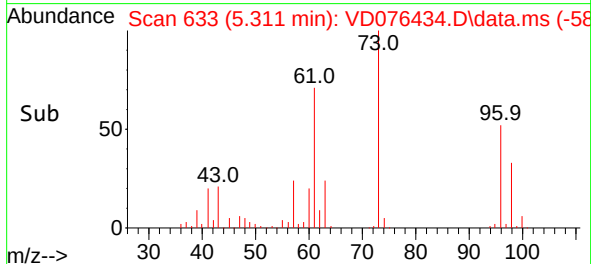
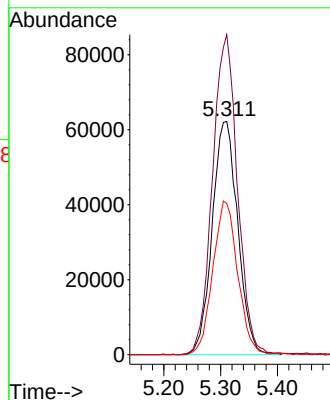
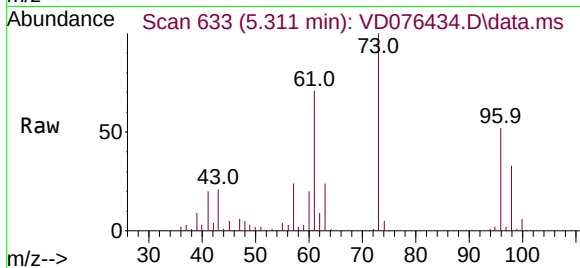


#17
 trans-1,2-Dichloroethene
 Concen: 49.853 ug/L
 RT: 5.311 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VD076434.D
 Acq: 15 Jun 2023 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050155

Tgt Ion: 96 Resp: 194427

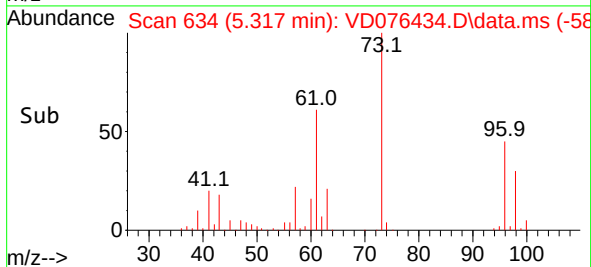
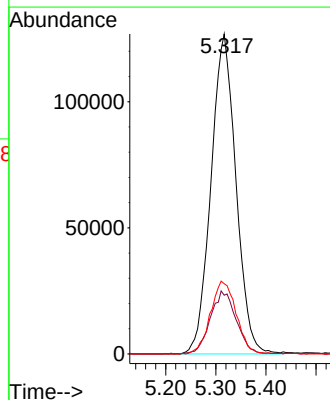
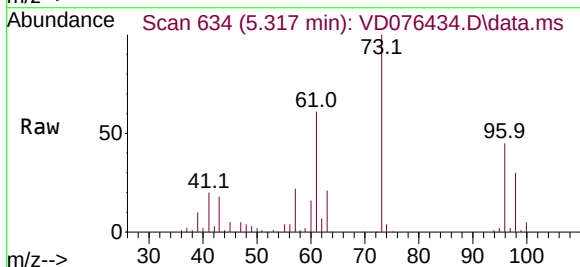
Ion	Ratio	Lower	Upper
96	100		
61	137.1	94.5	175.5
98	64.8	46.0	85.4

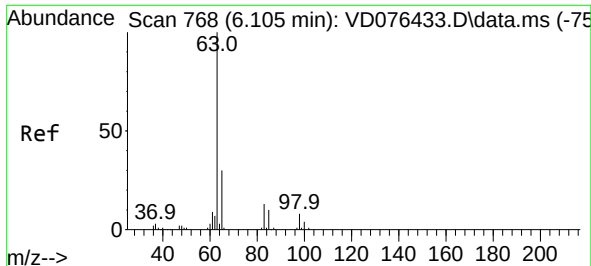


#18
 Methyl tert-butyl Ether
 Concen: 49.642 ug/L
 RT: 5.317 min Scan# 634
 Delta R.T. 0.006 min
 Lab File: VD076434.D
 Acq: 15 Jun 2023 12:08

Tgt Ion: 73 Resp: 439061

Ion	Ratio	Lower	Upper
73	100		
43	20.3	7.2	10.8#
57	23.4	18.6	28.0





#19

1,1-Dichloroethane

Concen: 48.960 ug/L

RT: 6.111 min Scan# 769

Delta R.T. 0.006 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTD050155

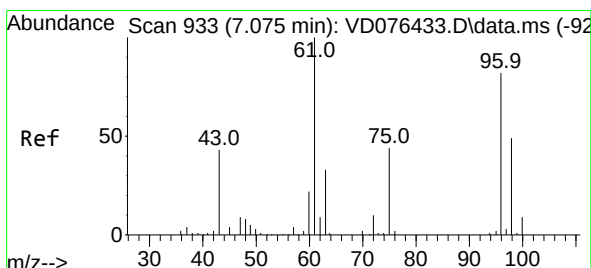
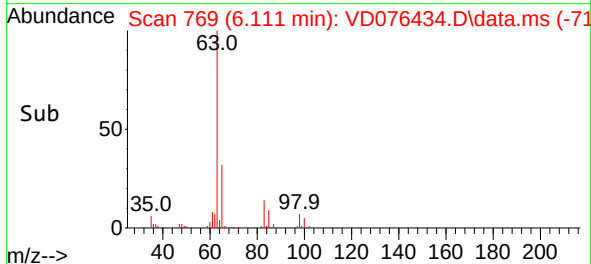
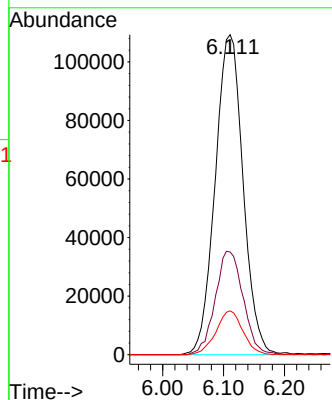
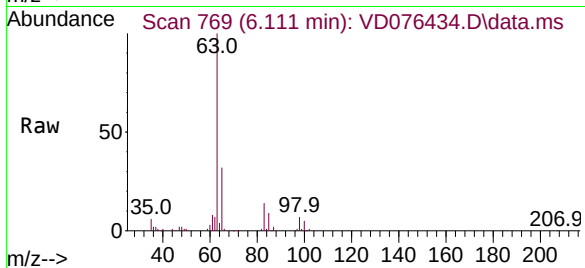
Tgt Ion: 63 Resp: 347743

Ion Ratio Lower Upper

63 100

65 32.1 20.8 38.6

83 13.7 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 49.829 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

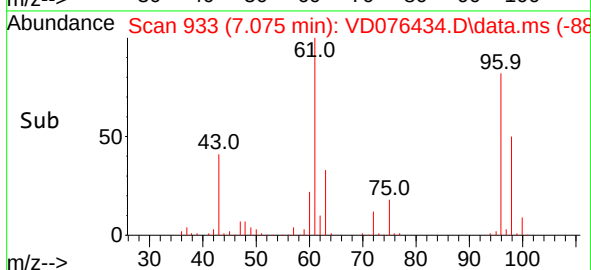
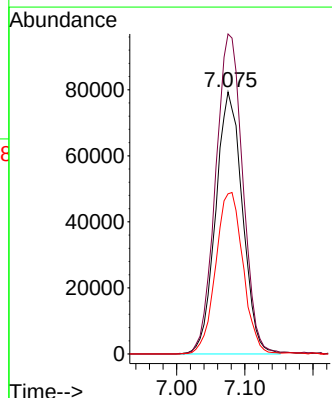
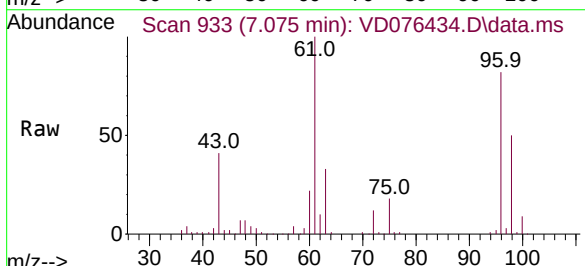
Tgt Ion: 96 Resp: 216936

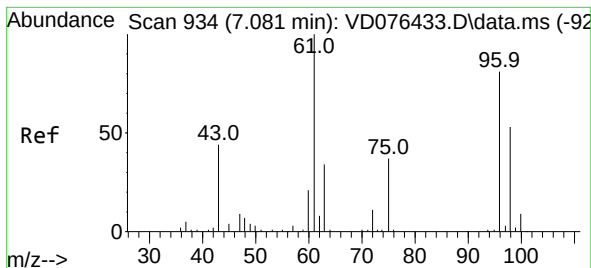
Ion Ratio Lower Upper

96 100

61 122.2 86.0 159.6

98 61.2 42.2 78.4





#22

2-Butanone

Concen: 87.419 ug/L

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

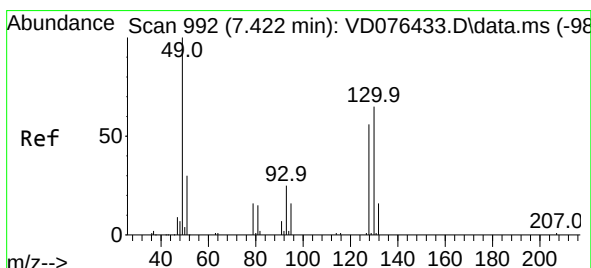
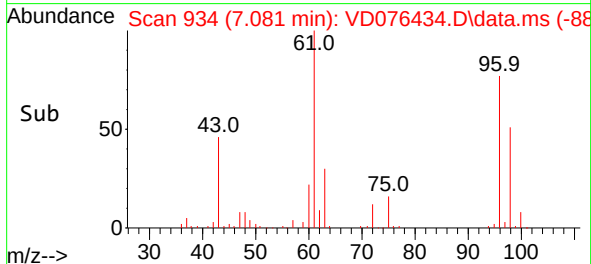
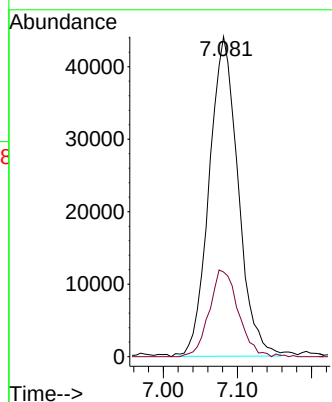
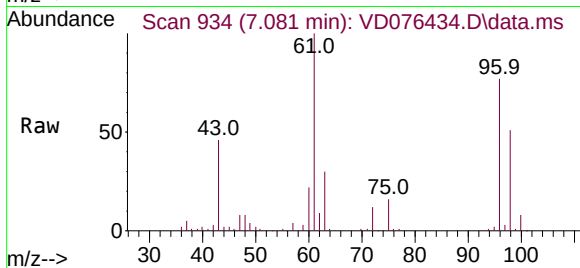
VSTD050155

Tgt Ion: 43 Resp: 119428

Ion Ratio Lower Upper

43 100

72 26.8 12.9 38.7



#23

Bromochloromethane

Concen: 50.256 ug/L

RT: 7.422 min Scan# 992

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Tgt Ion:128 Resp: 92542

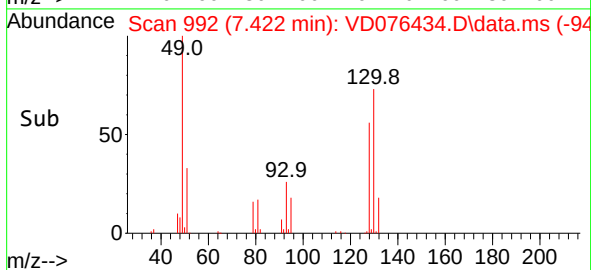
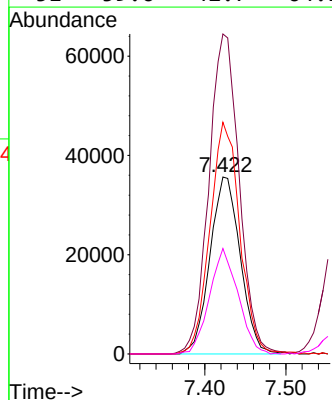
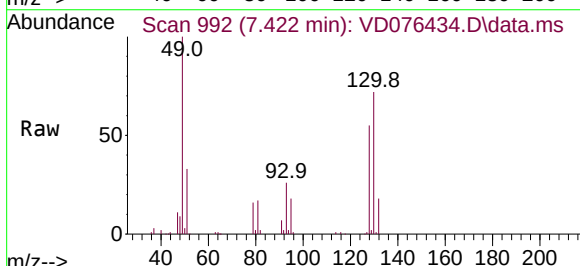
Ion Ratio Lower Upper

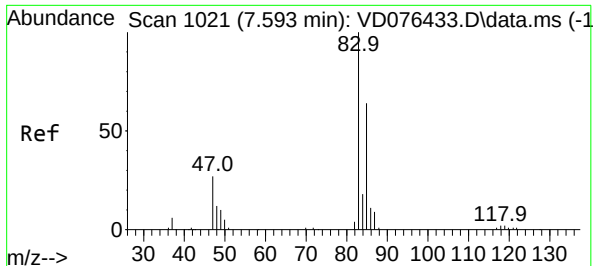
128 100

49 180.9 124.7 231.7

130 131.0 80.0 148.6

51 59.6 42.7 64.1





#25

Chloroform

Concen: 48.722 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

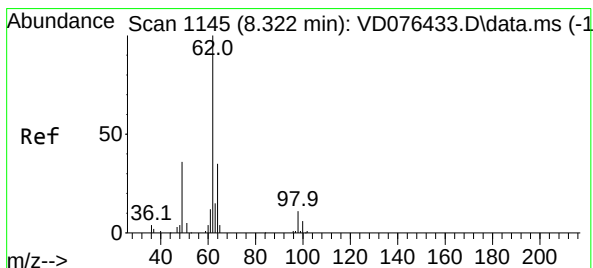
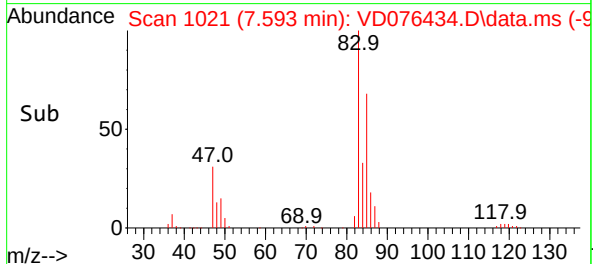
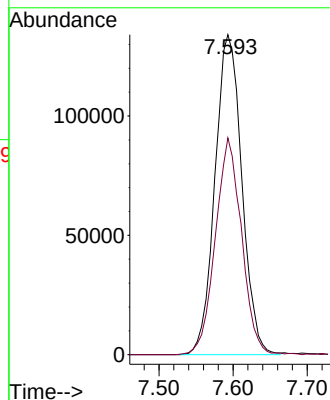
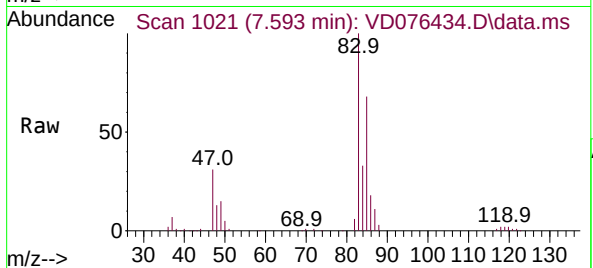
VSTD050155

Tgt Ion: 83 Resp: 337727

Ion Ratio Lower Upper

83 100

85 67.8 45.4 84.4



#27

1,2-Dichloroethane

Concen: 49.395 ug/L

RT: 8.322 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VD076434.D

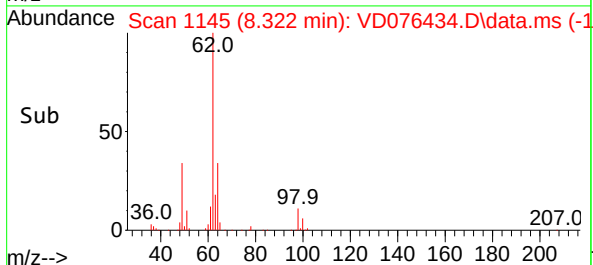
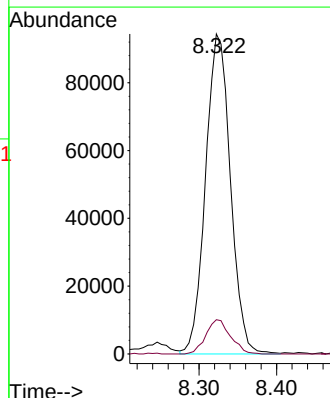
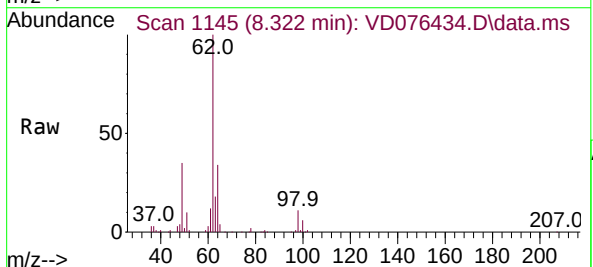
Acq: 15 Jun 2023 12:08

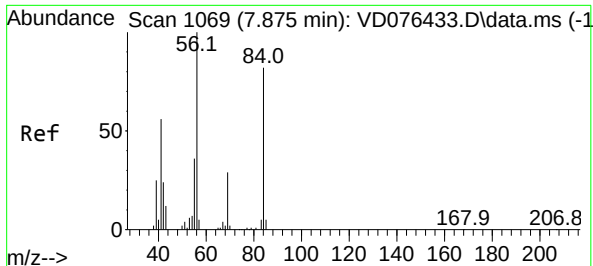
Tgt Ion: 62 Resp: 210563

Ion Ratio Lower Upper

62 100

98 10.7 8.7 13.1





#29

Cyclohexane

Concen: 49.031 ug/L

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTD050155

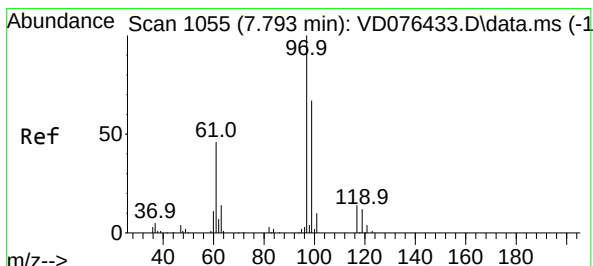
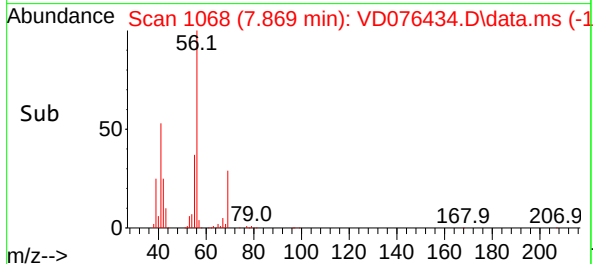
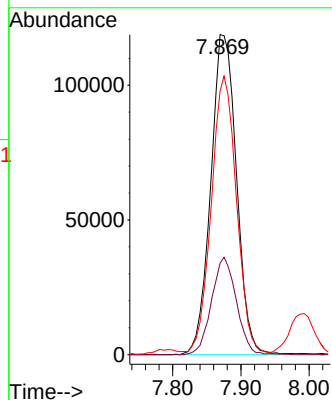
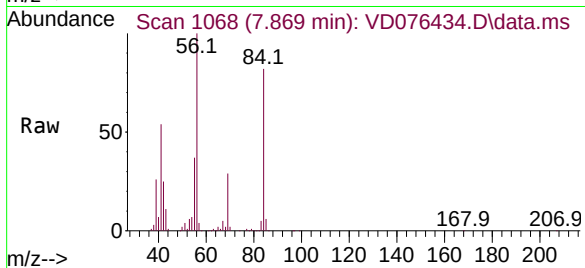
Tgt Ion: 56 Resp: 312466

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.0

84 83.7 66.3 99.5



#30

1,1,1-Trichloroethane

Concen: 49.598 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

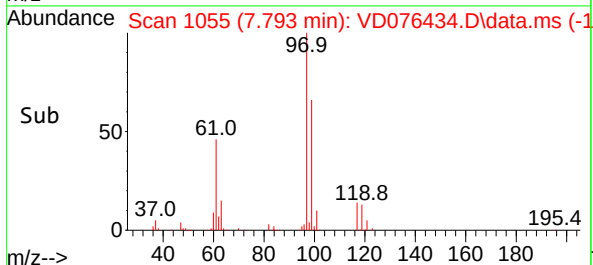
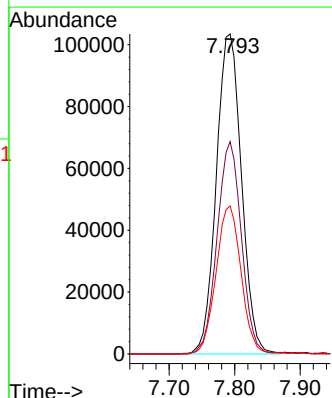
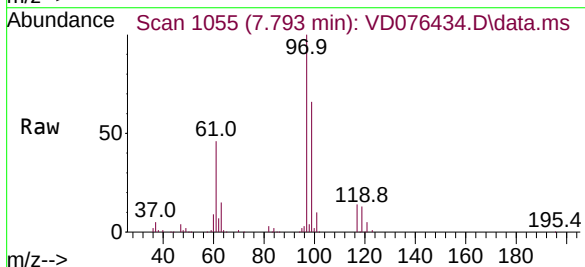
Tgt Ion: 97 Resp: 276127

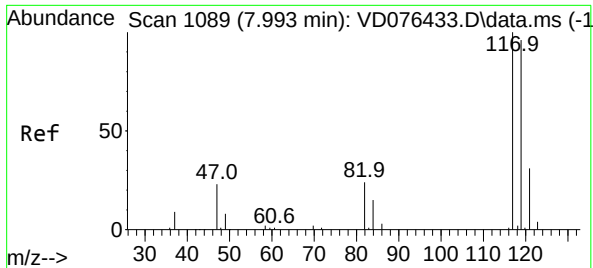
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.9 36.4 54.6

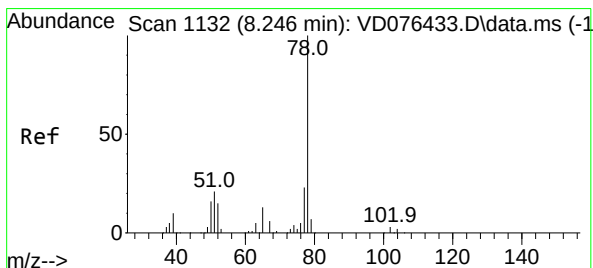
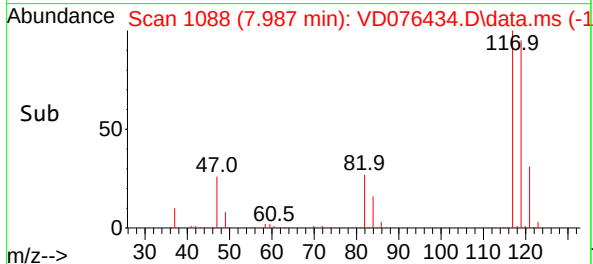
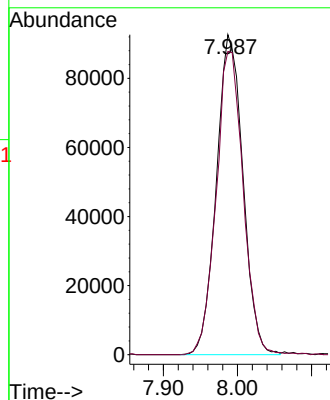
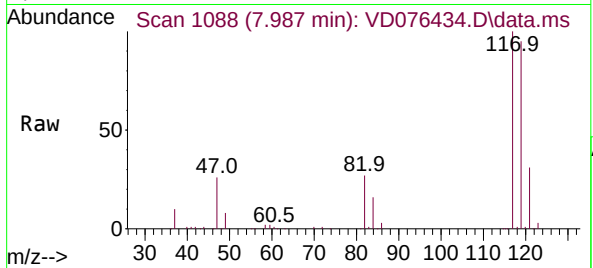




#31
Carbon tetrachloride
Concen: 51.804 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

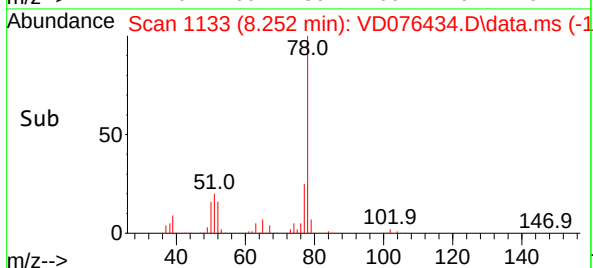
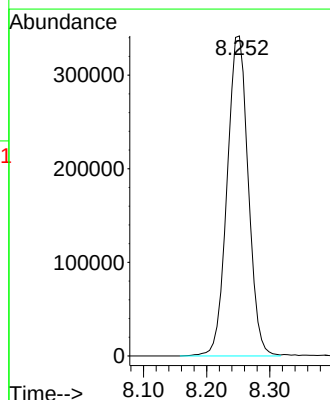
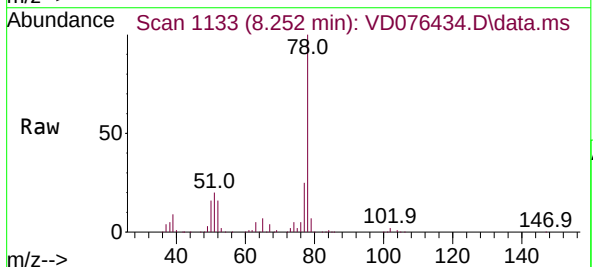
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

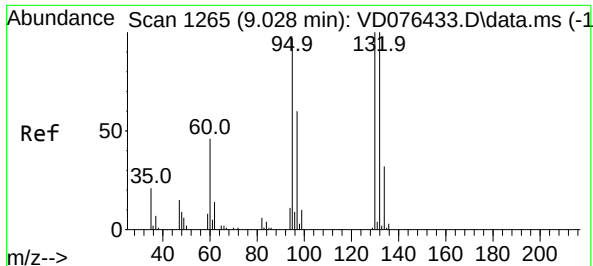
Tgt Ion:117 Resp: 230655
Ion Ratio Lower Upper
117 100
119 96.3 77.8 116.6



#33
Benzene
Concen: 50.134 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion: 78 Resp: 795181



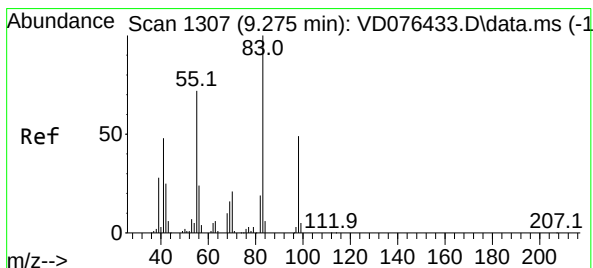
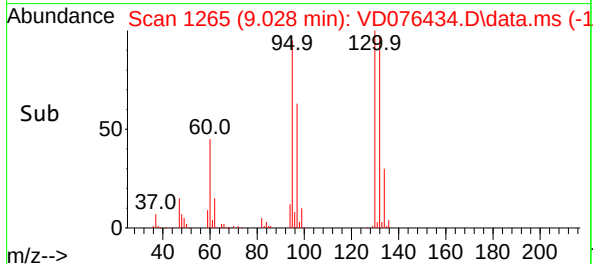
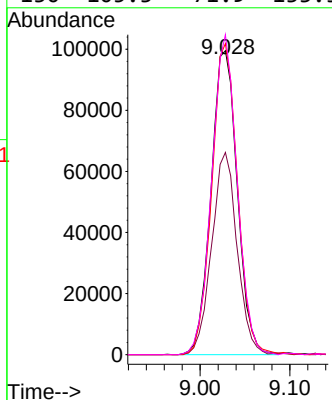
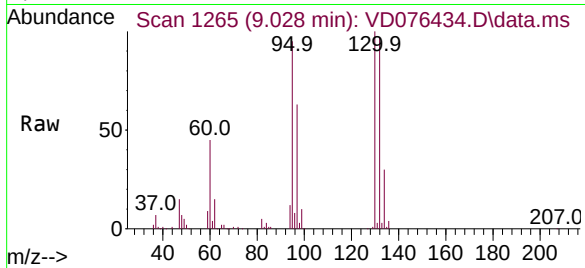


#34
Trichloroethene
Concen: 49.734 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

Tgt Ion: 95 Resp: 202636

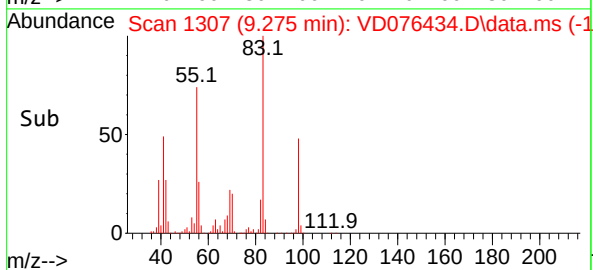
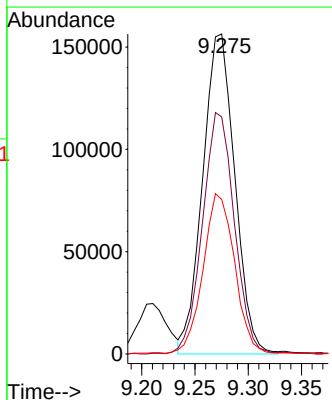
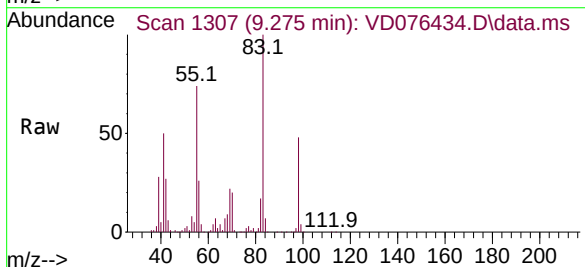
Ion	Ratio	Lower	Upper
95	100		
97	66.6	43.1	80.1
132	102.3	71.8	133.4
130	105.3	71.9	133.5

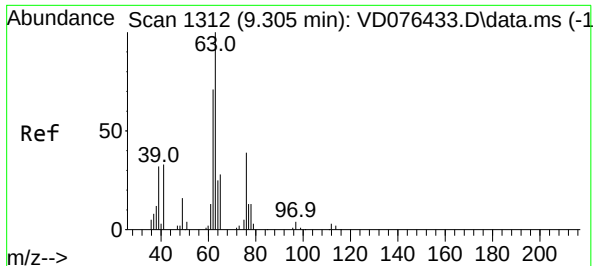


#35
Methylcyclohexane
Concen: 49.949 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion: 83 Resp: 328179

Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.8	89.6
98	49.3	37.8	56.6





#37

1,2-Dichloropropane

Concen: 49.423 ug/L

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

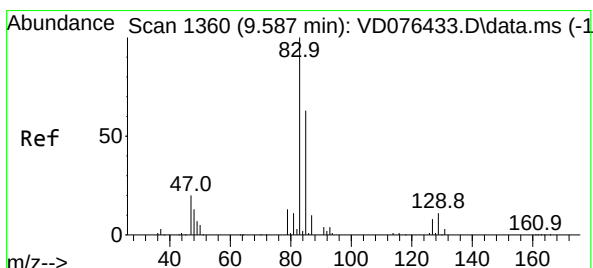
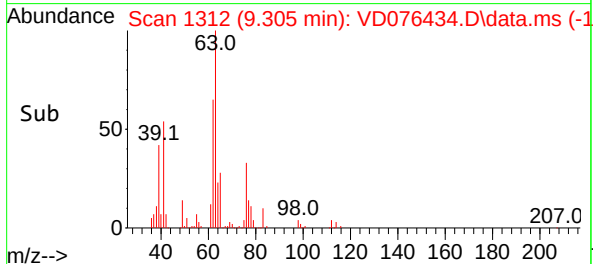
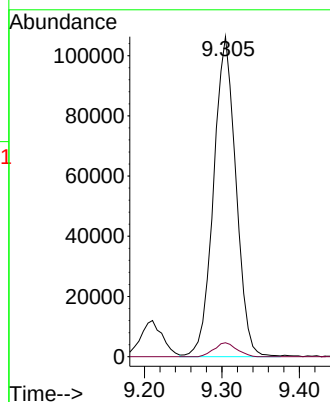
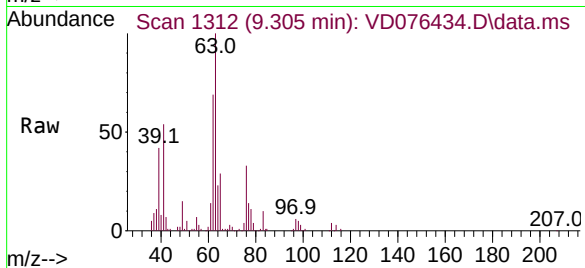
VSTD050155

Tgt Ion: 63 Resp: 213716

Ion Ratio Lower Upper

63 100

112 4.4 3.1 4.7



#38

Bromodichloromethane

Concen: 50.860 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

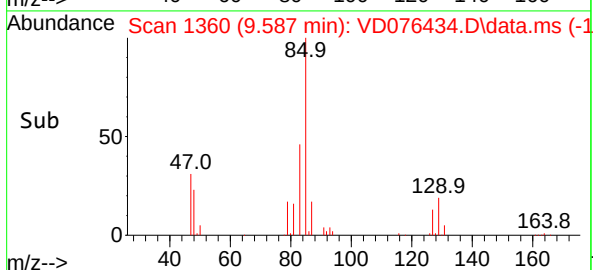
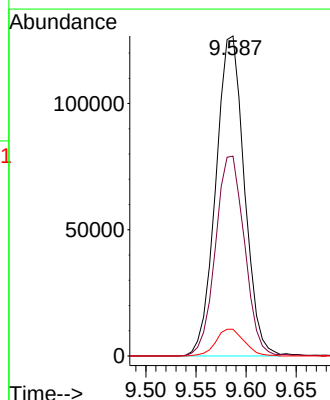
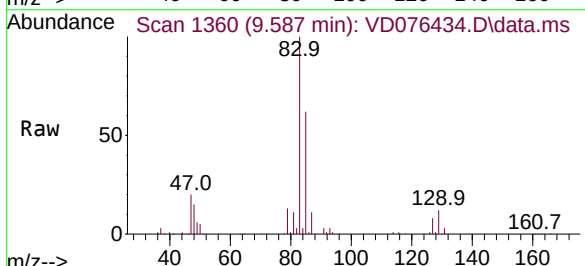
Tgt Ion: 83 Resp: 250845

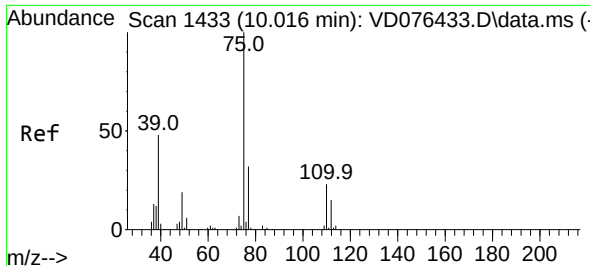
Ion Ratio Lower Upper

83 100

85 62.4 43.9 81.5

127 8.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 50.601 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

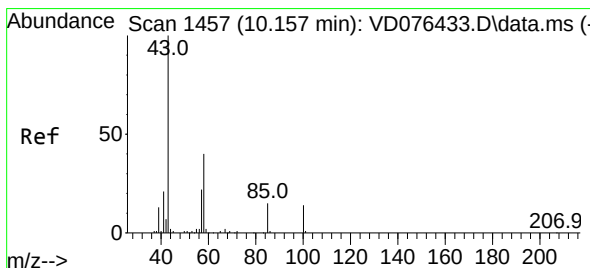
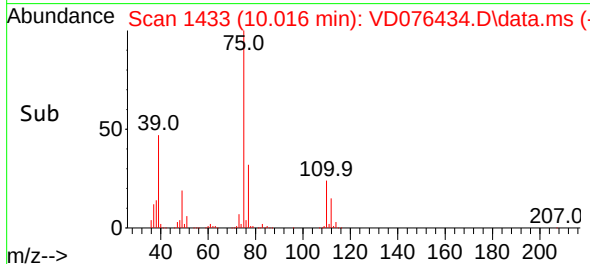
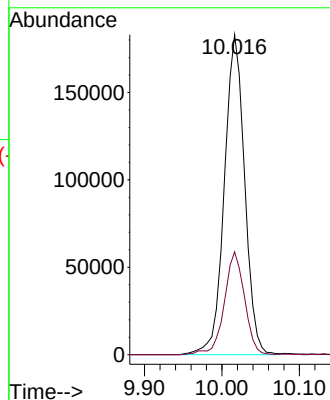
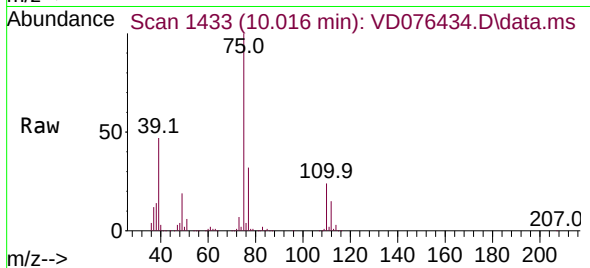
VSTD050155

Tgt Ion: 75 Resp: 334120

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 98.801 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

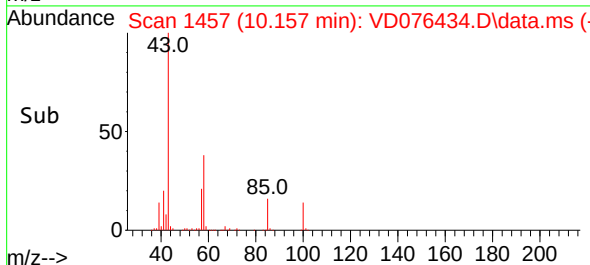
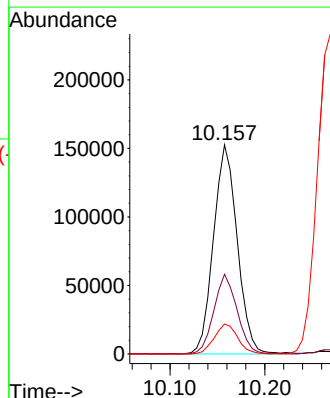
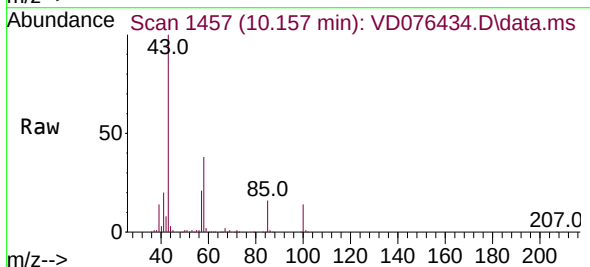
Tgt Ion: 43 Resp: 265784

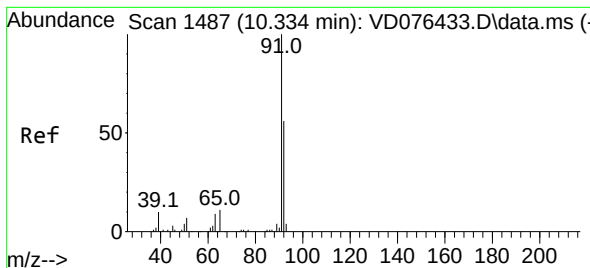
Ion Ratio Lower Upper

43 100

58 37.4 30.7 46.1

100 14.1 11.0 16.4





#42

Toluene

Concen: 50.444 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

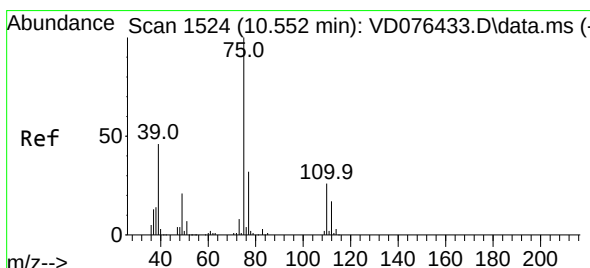
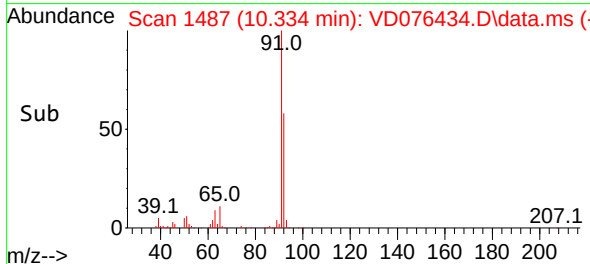
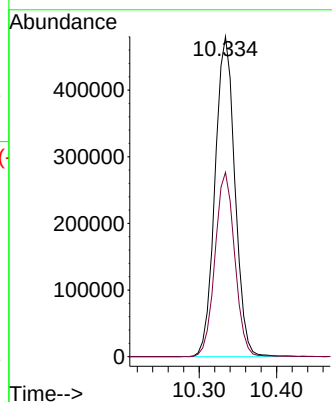
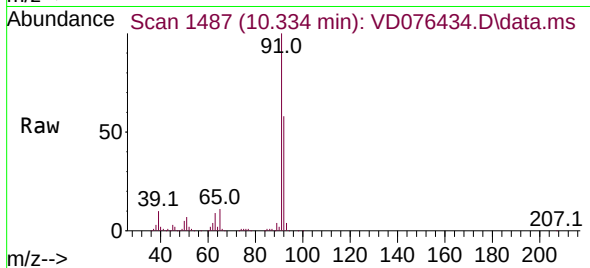
VSTD050155

Tgt Ion: 91 Resp: 855012

Ion Ratio Lower Upper

91 100

92 57.6 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 51.304 ug/L

RT: 10.552 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD076434.D

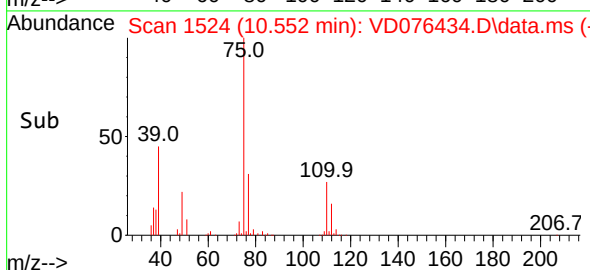
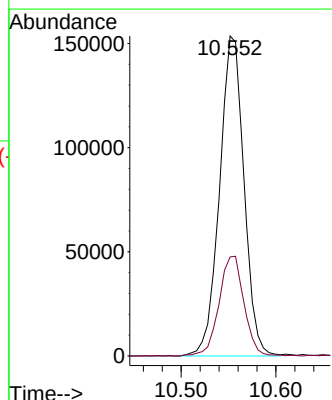
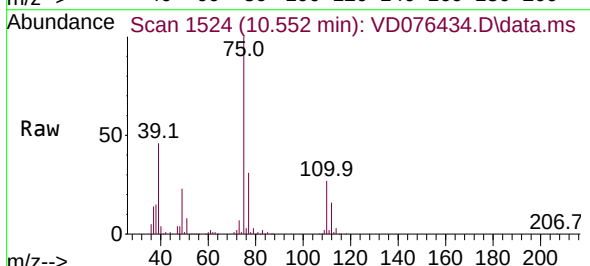
Acq: 15 Jun 2023 12:08

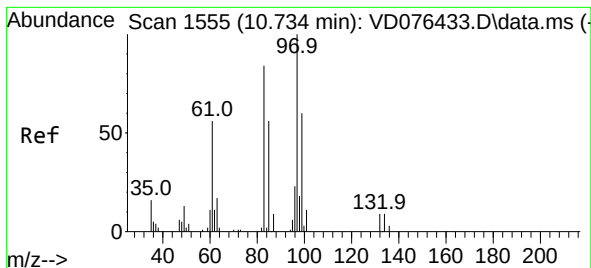
Tgt Ion: 75 Resp: 275357

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 49.296 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTD050155

Tgt Ion: 97 Resp: 146215

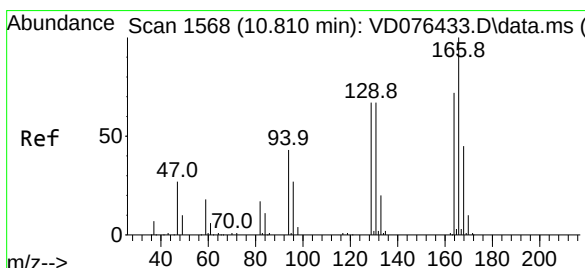
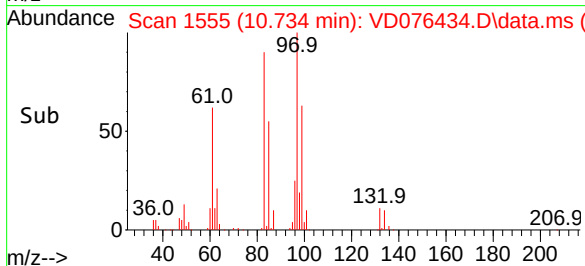
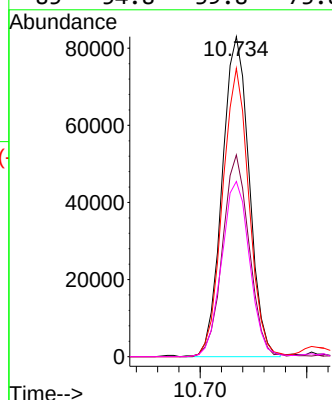
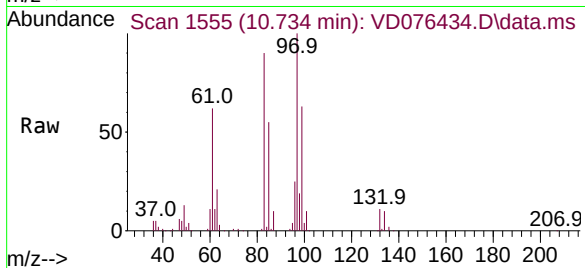
Ion Ratio Lower Upper

97 100

99 63.1 41.9 77.9

83 90.1 59.2 110.0

85 54.8 39.8 73.8



#46

Tetrachloroethene

Concen: 49.903 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Tgt Ion:164 Resp: 159846

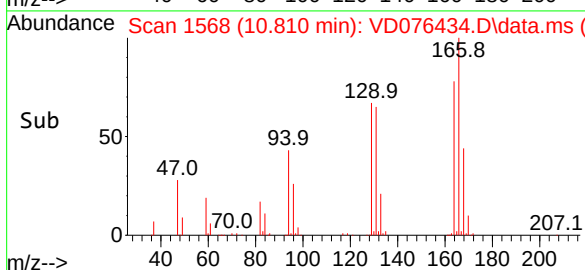
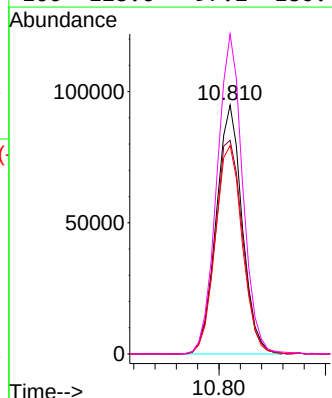
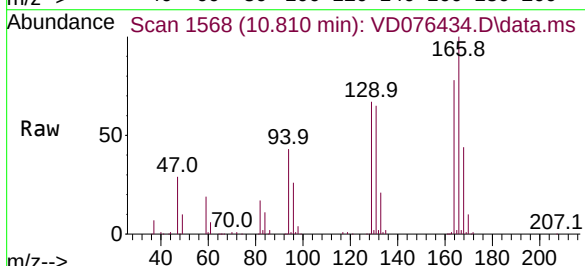
Ion Ratio Lower Upper

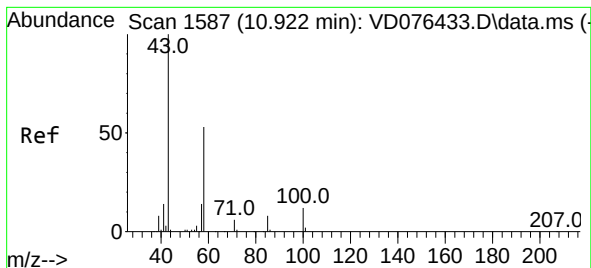
164 100

129 85.9 65.5 121.6

131 83.8 64.8 120.3

166 128.6 97.2 180.4





#48

2-Hexanone

Concen: 101.998 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTD050155

Tgt Ion: 43 Resp: 187919

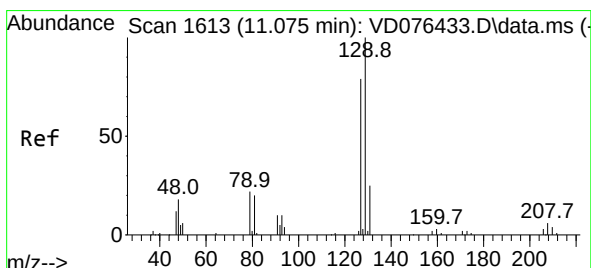
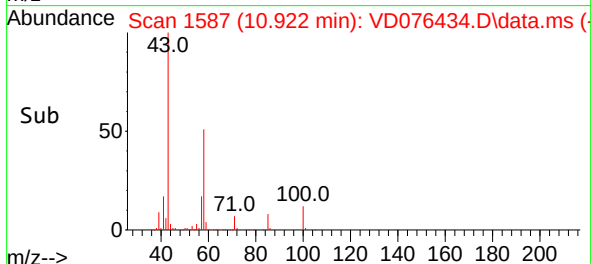
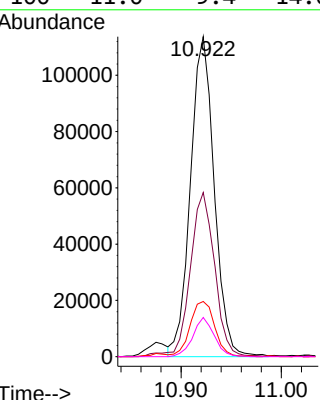
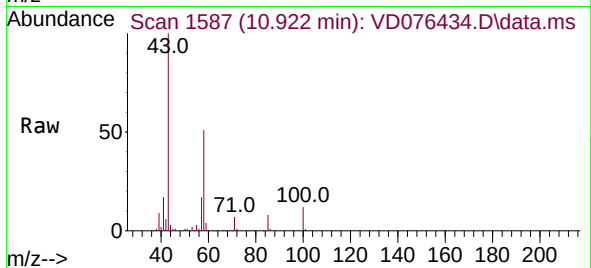
Ion Ratio Lower Upper

43 100

58 50.3 42.9 64.3

57 17.8 13.7 20.5

100 11.0 9.4 14.0



#49

Dibromochloromethane

Concen: 51.106 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD076434.D

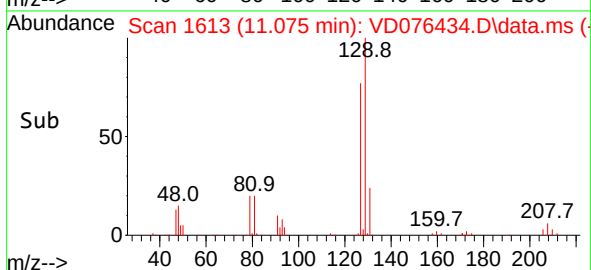
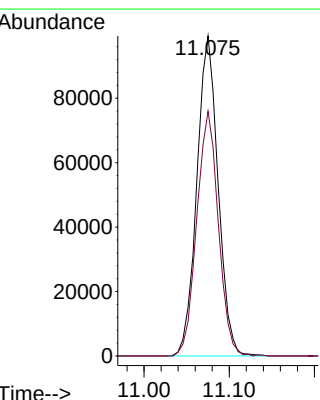
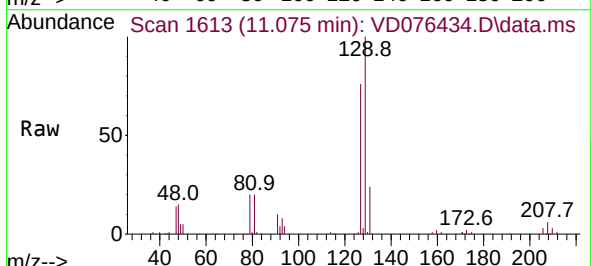
Acq: 15 Jun 2023 12:08

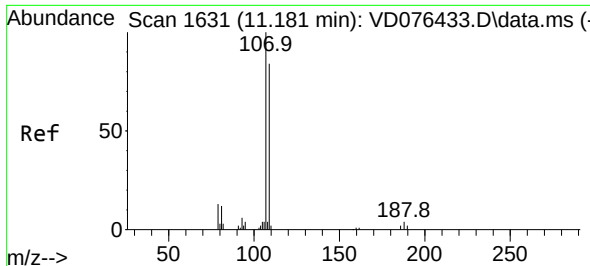
Tgt Ion: 129 Resp: 172267

Ion Ratio Lower Upper

129 100

127 76.5 55.2 102.6

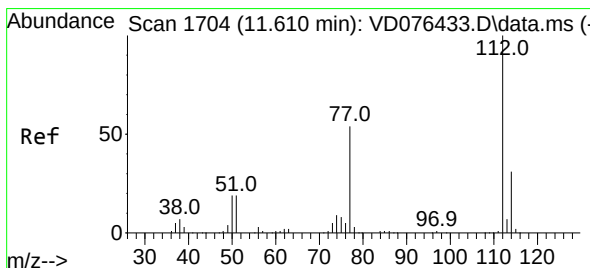
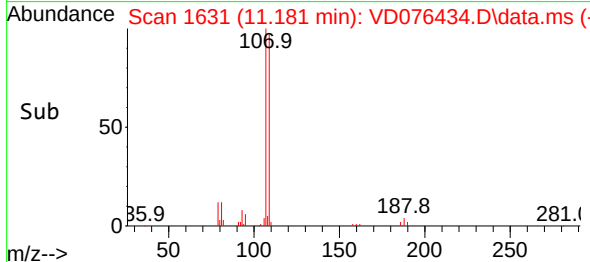
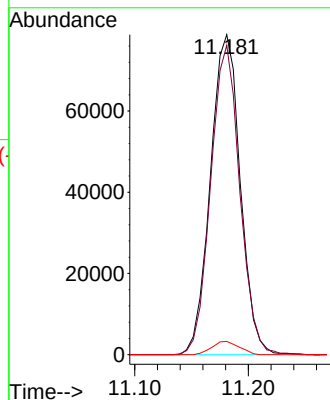
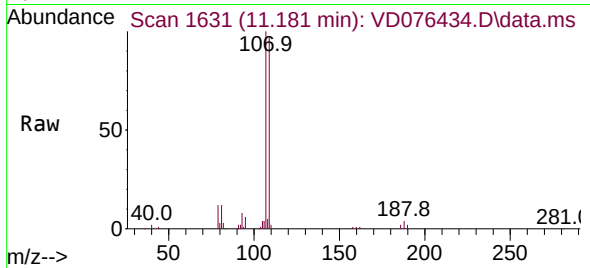




#50
1,2-Dibromoethane
Concen: 49.919 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

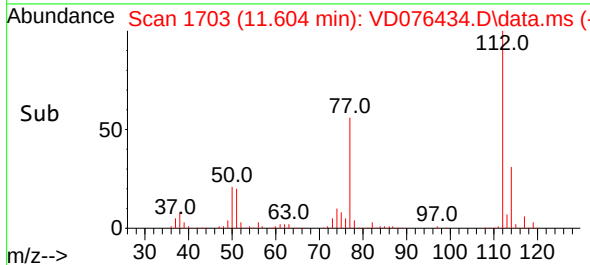
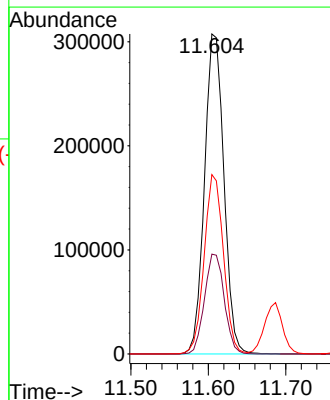
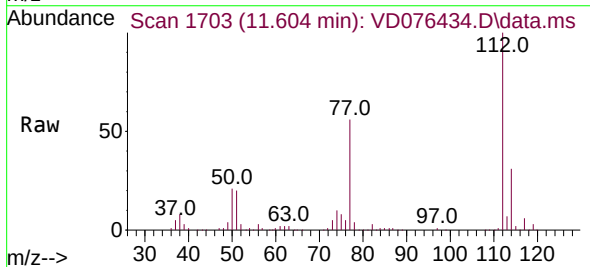
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

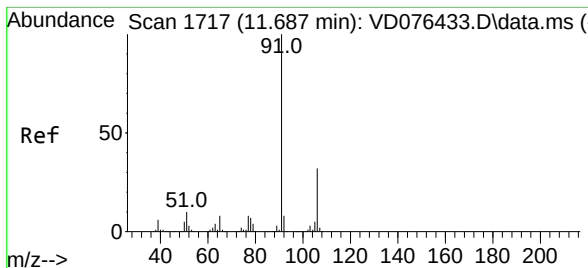
Tgt Ion:107 Resp: 143707
Ion Ratio Lower Upper
107 100
109 96.7 58.8 109.2
188 4.2 2.9 4.3



#51
Chlorobenzene
Concen: 50.585 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion:112 Resp: 535299
Ion Ratio Lower Upper
112 100
114 31.2 21.5 39.9
77 56.1 43.4 65.2

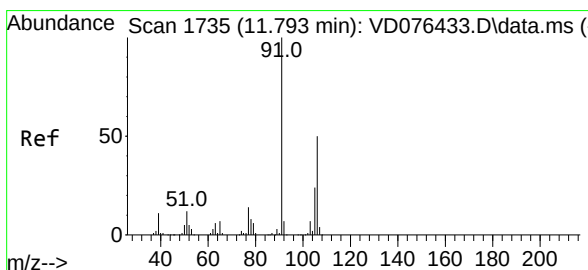
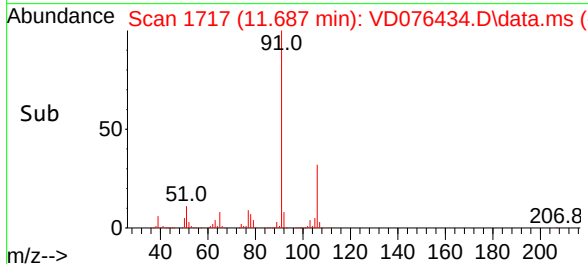
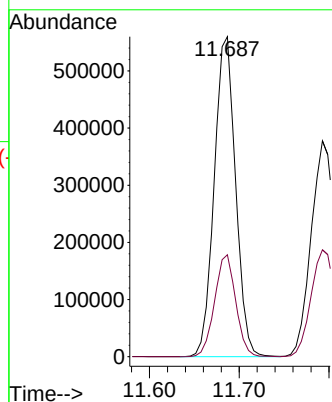
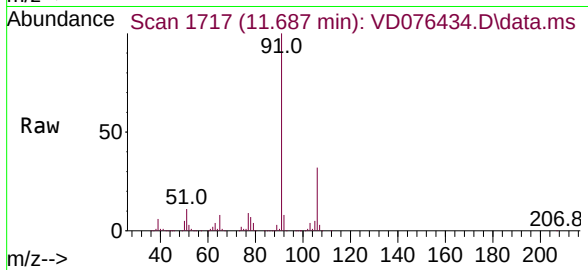




#52
Ethylbenzene
Concen: 50.678 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

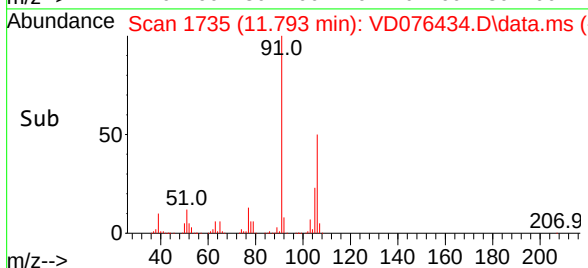
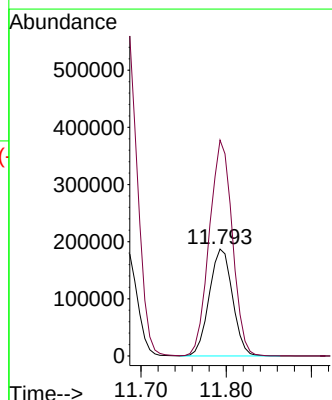
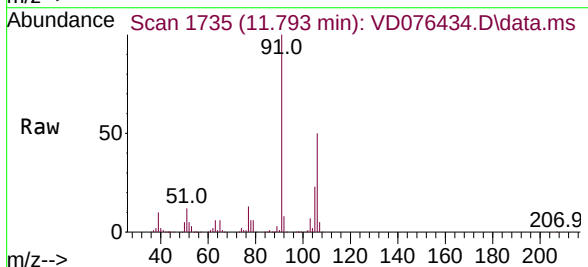
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

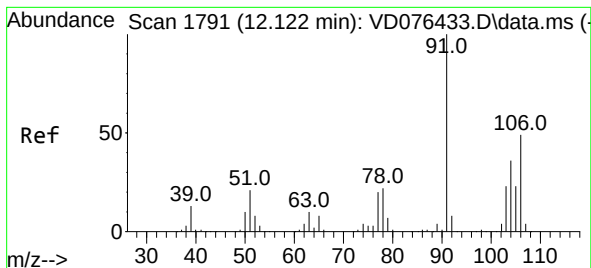
Tgt Ion: 91 Resp: 925834
Ion Ratio Lower Upper
91 100
106 31.8 22.4 41.6



#53
m,p-Xylene
Concen: 49.427 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion:106 Resp: 354865
Ion Ratio Lower Upper
106 100
91 201.8 141.5 262.9





#54

o-Xylene

Concen: 50.570 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD076434.D

Acq: 15 Jun 2023 12:08

Instrument :

MSVOA_D

ClientSampleId :

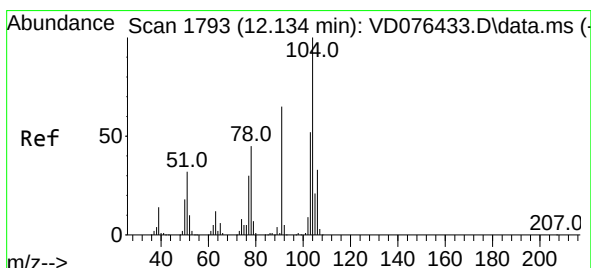
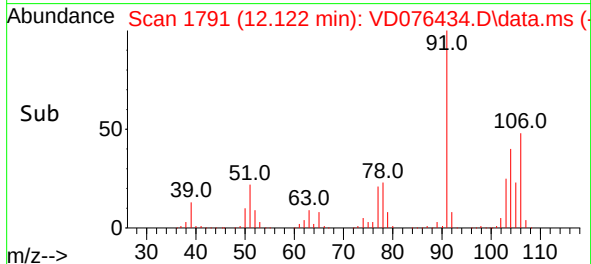
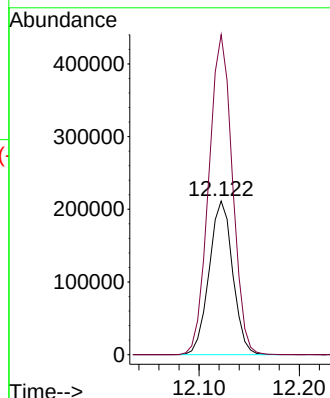
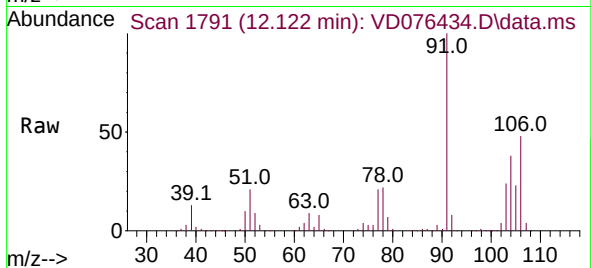
VSTD050155

Tgt Ion:106 Resp: 345697

Ion Ratio Lower Upper

106 100

91 208.3 142.2 264.2



#55

Styrene

Concen: 50.916 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD076434.D

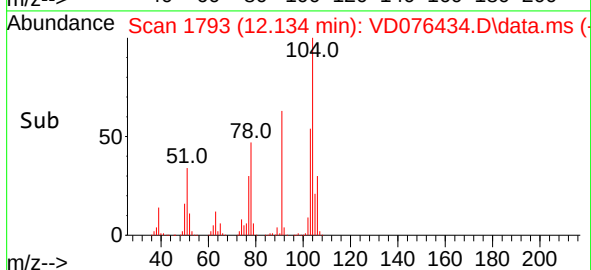
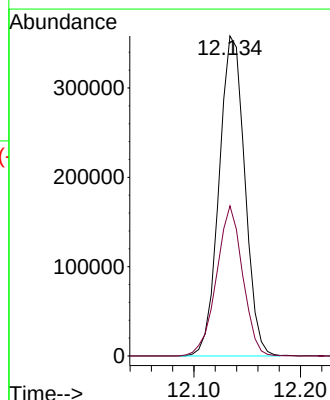
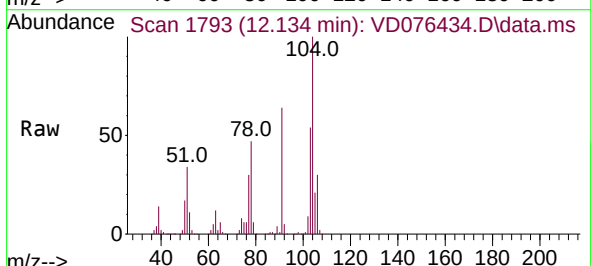
Acq: 15 Jun 2023 12:08

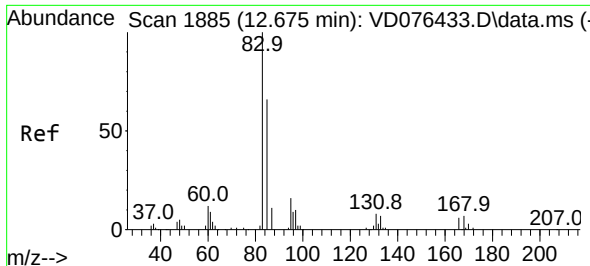
Tgt Ion:104 Resp: 601336

Ion Ratio Lower Upper

104 100

78 46.9 31.3 58.1

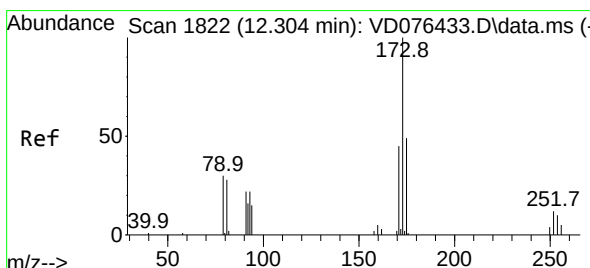
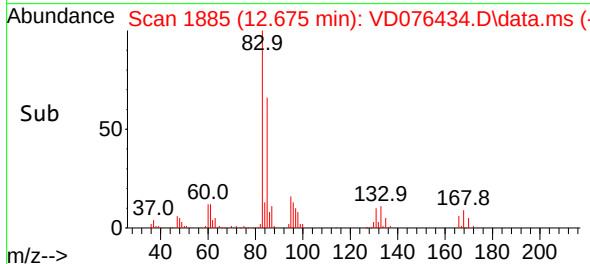
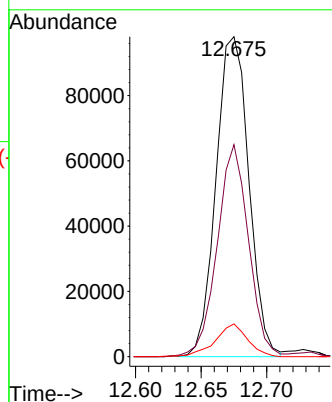
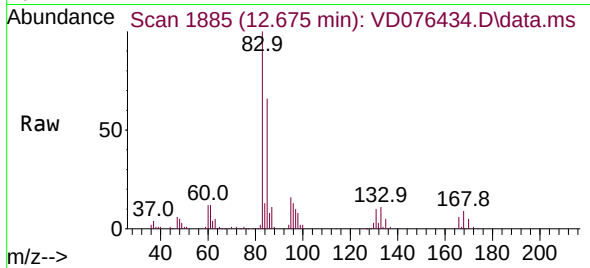




#57
1,1,2-Tetrachloroethane
Concen: 50.389 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

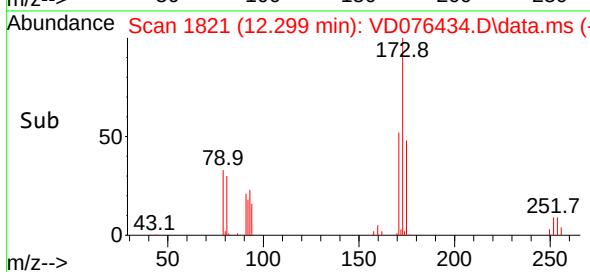
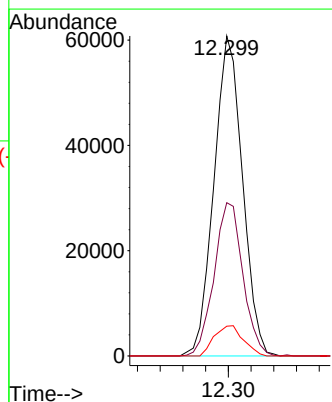
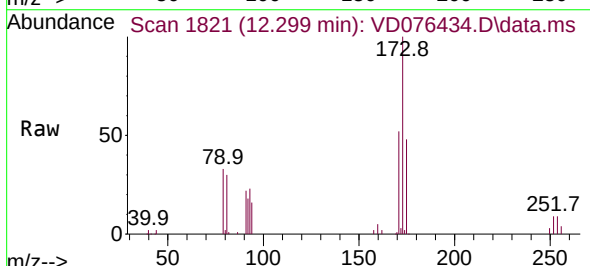
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

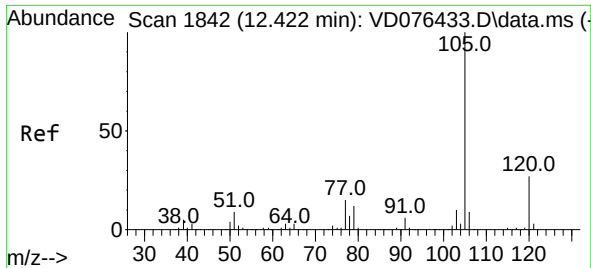
Tgt Ion: 83 Resp: 170808
Ion Ratio Lower Upper
83 100
85 66.2 46.3 86.1
131 10.3 7.0 10.4



#59
Bromoform
Concen: 49.614 ug/L
RT: 12.299 min Scan# 1821
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion:173 Resp: 105954
Ion Ratio Lower Upper
173 100
175 48.3 39.0 58.4
254 9.6 5.3 7.9#

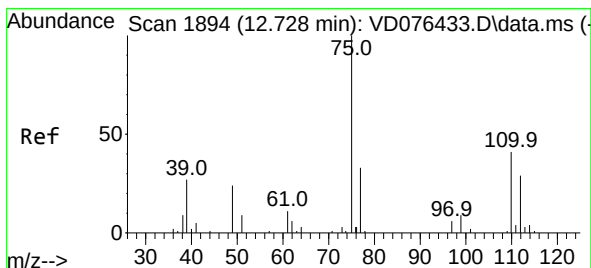
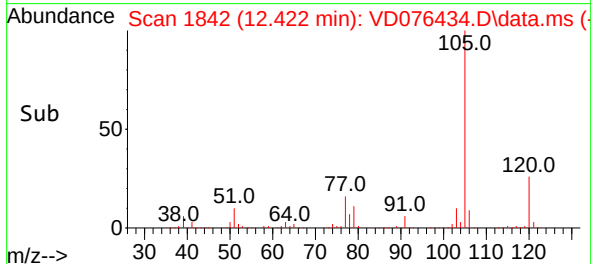
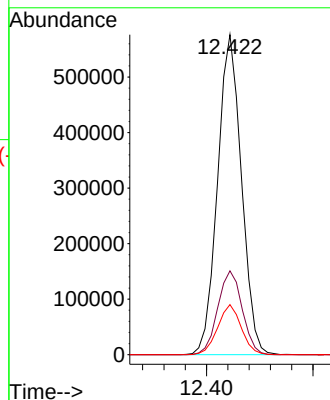
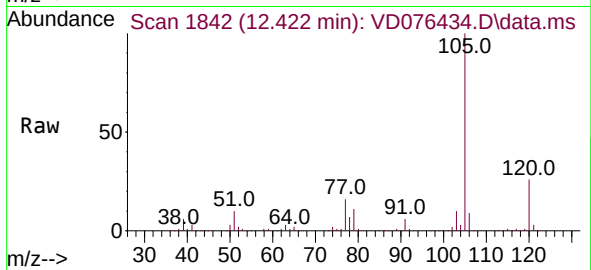




#60
Isopropylbenzene
Concen: 49.157 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

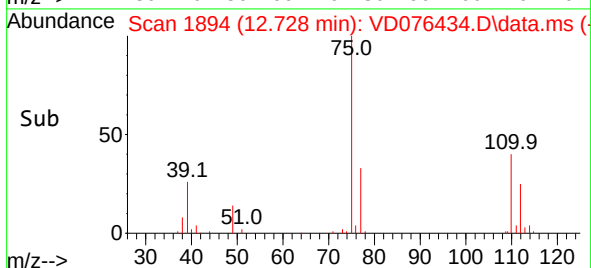
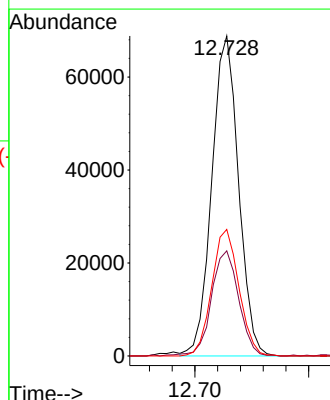
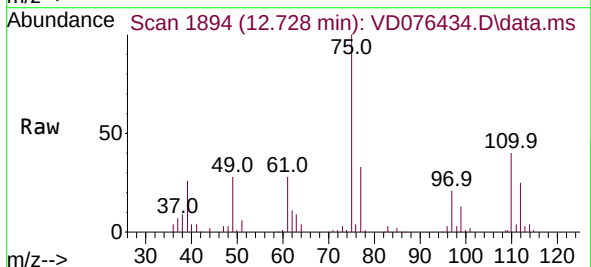
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

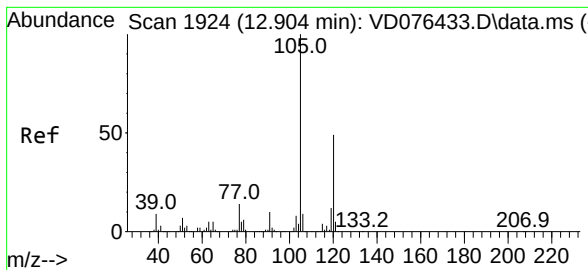
Tgt Ion:105 Resp: 896953
Ion Ratio Lower Upper
105 100
120 26.7 21.3 31.9
77 15.5 12.2 18.4



#61
1,2,3-Trichloropropane
Concen: 48.596 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion: 75 Resp: 112509
Ion Ratio Lower Upper
75 100
77 33.6 27.2 40.8
110 40.1 31.8 47.6

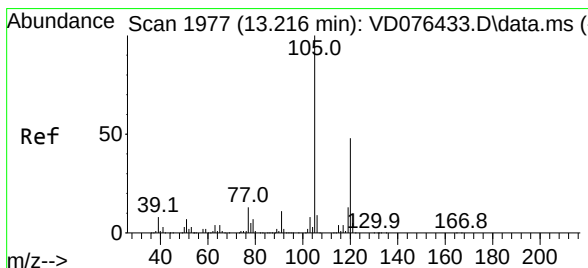
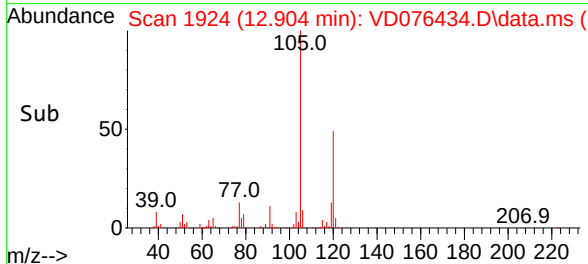
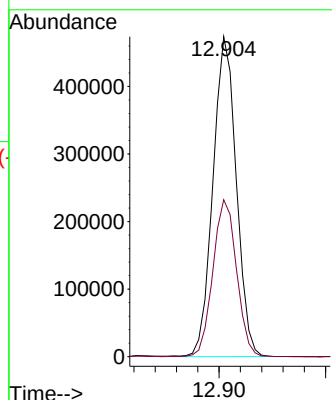
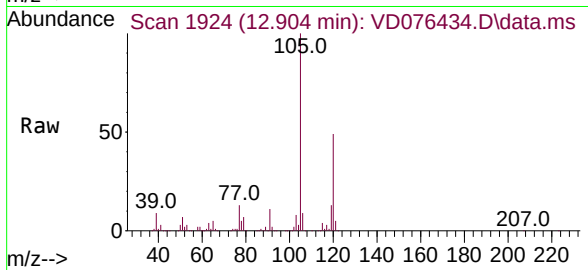




#62
 1,3,5-Trimethylbenzene
 Concen: 49.216 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD076434.D
 Acq: 15 Jun 2023 12:08

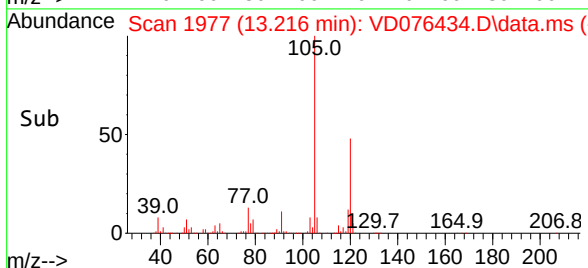
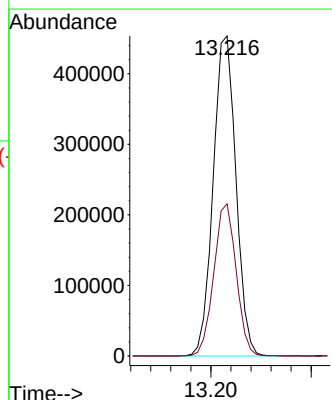
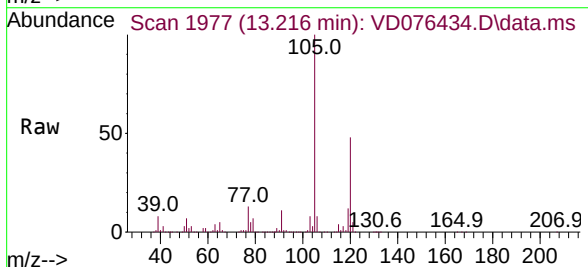
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD050155

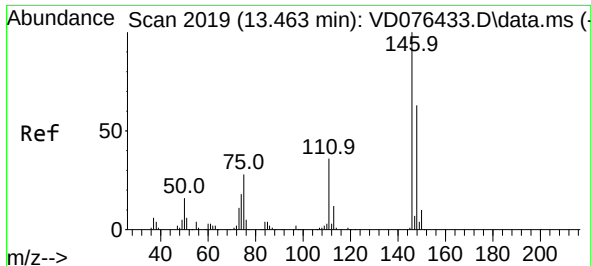
Tgt Ion:105 Resp: 718495
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.8 59.6



#63
 1,2,4-Trimethylbenzene
 Concen: 49.553 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.000 min
 Lab File: VD076434.D
 Acq: 15 Jun 2023 12:08

Tgt Ion:105 Resp: 713860
 Ion Ratio Lower Upper
 105 100
 120 46.8 37.5 56.3

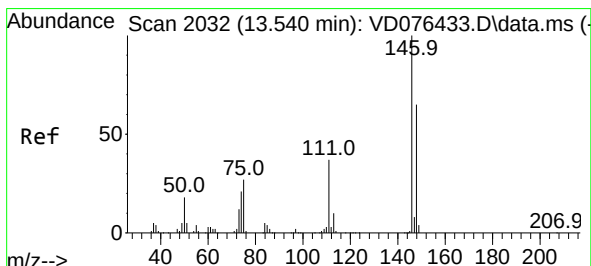
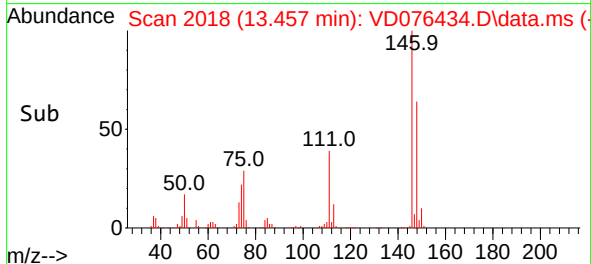
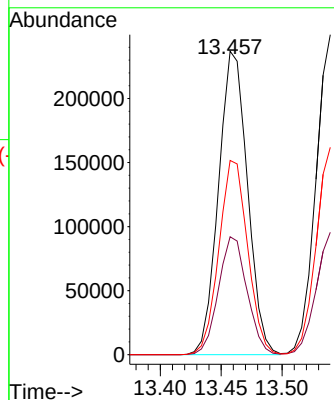
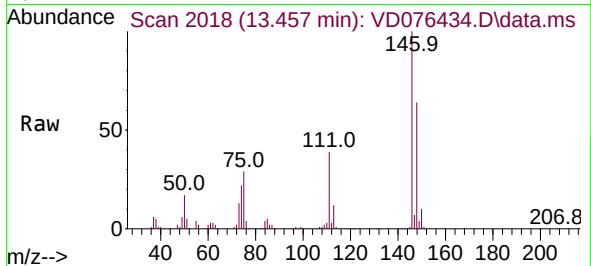




#64
1,3-Dichlorobenzene
Concen: 48.323 ug/L
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

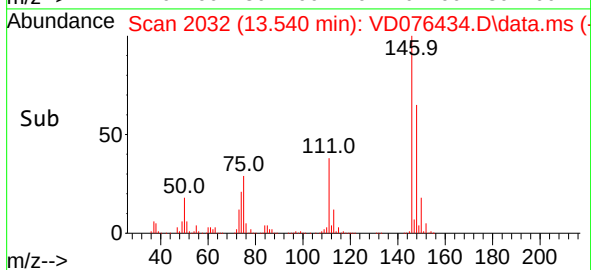
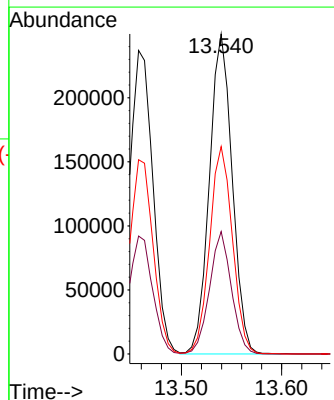
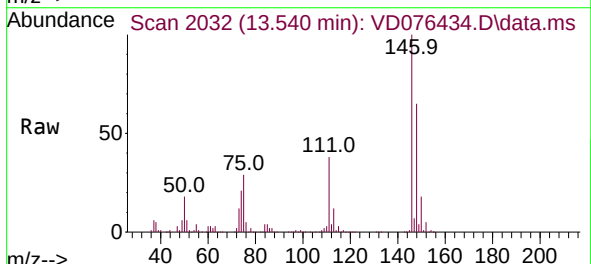
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

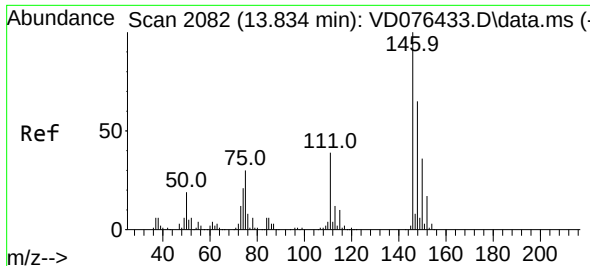
Tgt Ion:146 Resp: 392272
Ion Ratio Lower Upper
146 100
111 38.8 25.6 47.4
148 64.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 48.344 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion:146 Resp: 395588
Ion Ratio Lower Upper
146 100
111 38.3 25.7 47.7
148 64.8 45.4 84.2

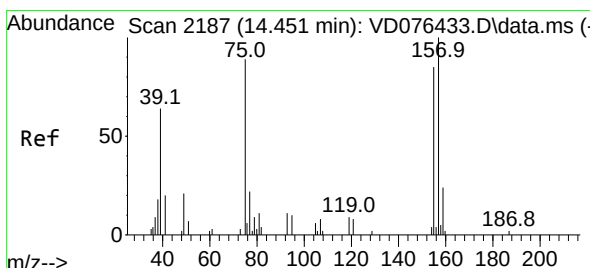
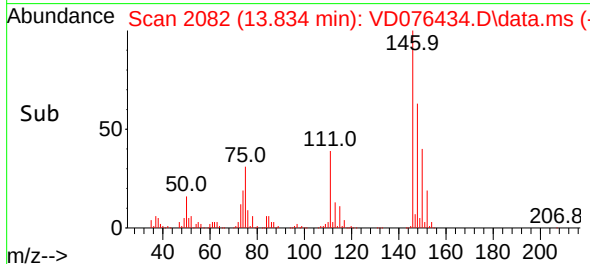
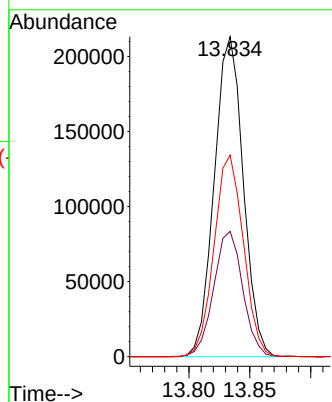
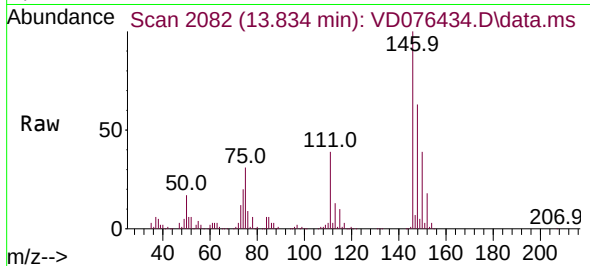




#67
1,2-Dichlorobenzene
Concen: 48.855 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

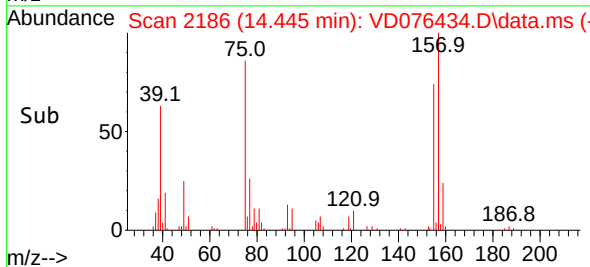
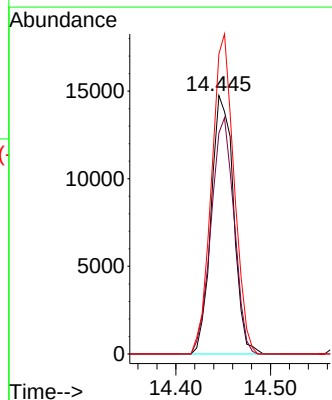
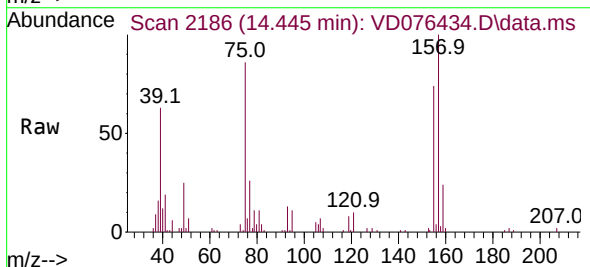
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

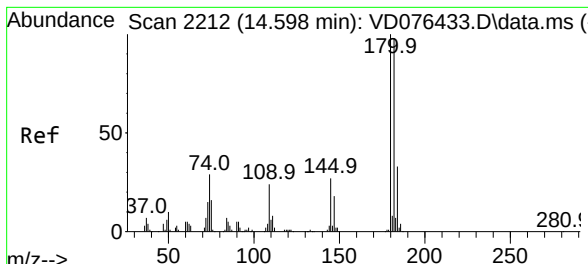
Tgt Ion:146 Resp: 353307
Ion Ratio Lower Upper
146 100
111 39.1 31.3 46.9
148 63.0 51.7 77.5



#68
1,2-Dibromo-3-chloropropane
Concen: 46.706 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion: 75 Resp: 24077
Ion Ratio Lower Upper
75 100
155 85.6 76.2 114.4
157 116.2 89.4 134.2

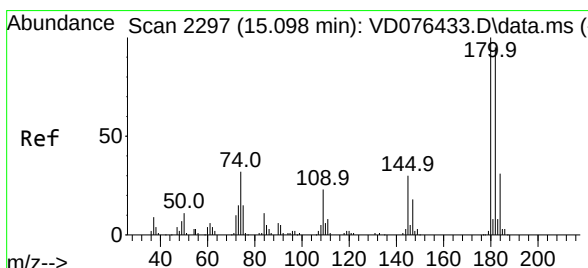
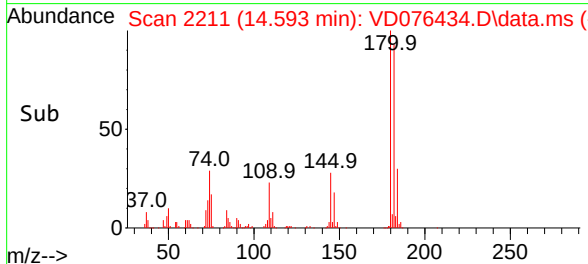
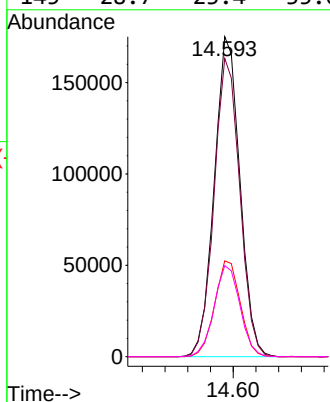
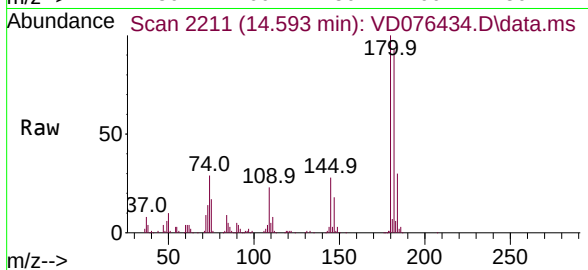




#69
1,3,5-Trichlorobenzene
Concen: 50.708 ug/L
RT: 14.593 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

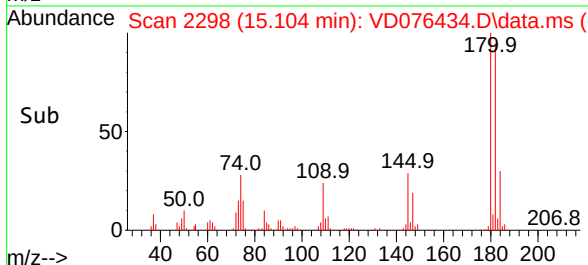
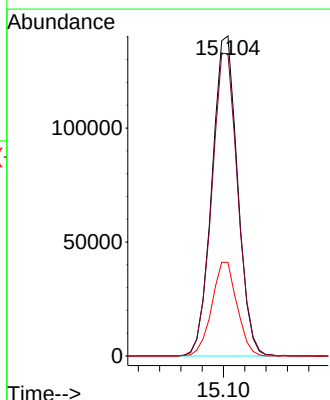
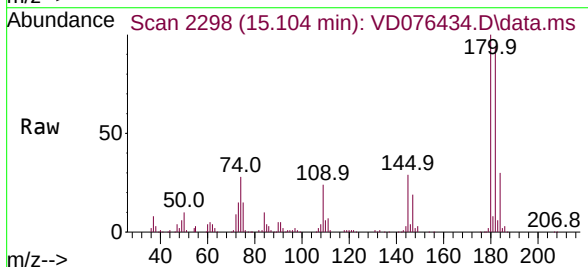
Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

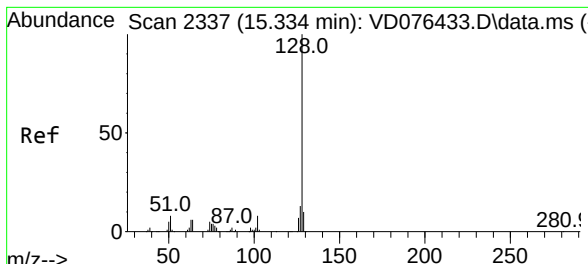
Tgt Ion:180	Resp:	274563
Ion Ratio	Lower	Upper
180	100	
182	93.4	77.1 115.7
184	29.9	25.0 37.4
145	28.7	23.4 35.0



#70
1,2,4-trichlorobenzene
Concen: 48.515 ug/L
RT: 15.104 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion:180	Resp:	233727
Ion Ratio	Lower	Upper
180	100	
182	96.4	76.9 115.3
145	28.9	23.5 35.3

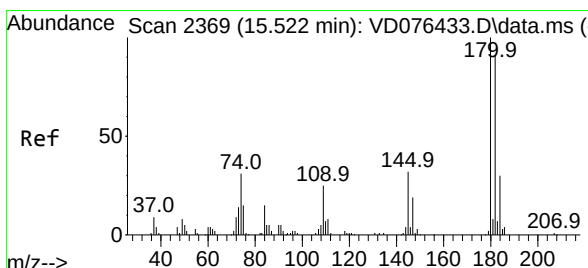
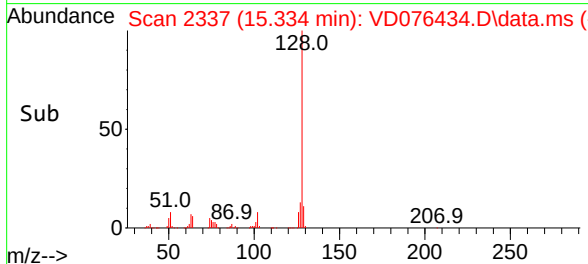
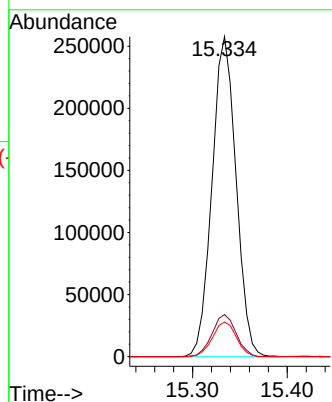
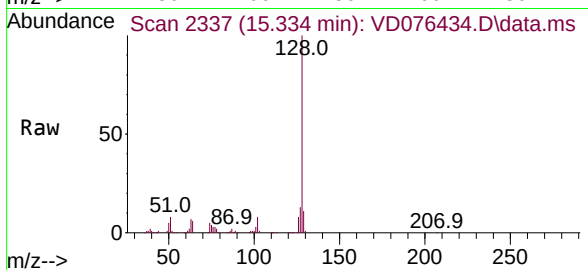




#71
Naphthalene
Concen: 49.215 ug/L
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTD050155

Tgt Ion:	128	Resp:	453946
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	10.8	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 48.191 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD076434.D
Acq: 15 Jun 2023 12:08

Tgt Ion:	180	Resp:	201615
Ion Ratio	Lower	Upper	
180	100		
182	95.9	74.3	111.5
145	31.7	25.0	37.6

