

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052924\
 Data File : VD079057.D
 Acq On : 29 May 2024 10:44
 Operator : RP/MD
 Sample : VSTD050
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 30 00:41:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM052924SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 30 00:39:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	211214	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	210551	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	115190	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	317372	57.045	ug/L	0.00
7) Chloroethane-d5	2.799	69	278583	48.128	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	57247	53.662	ug/L	0.00
21) 2-Butanone-d5	6.987	46	46674	66.151	ug/L	0.00
24) Chloroform-d	7.569	84	270719	42.424	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.234	65	131185	43.646	ug/L	0.00
32) Benzene-d6	8.205	84	579407	51.964	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	151531	45.135	ug/L	0.00
41) Toluene-d8	10.269	98	559892	53.739	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	69157	44.976	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	47477	75.123	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	144685	39.552	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.810	152	194472	48.490	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	152238	36.452	ug/L	98
3) Chloromethane	2.152	50	218545	41.971	ug/L	100
5) Vinyl chloride	2.281	62	350624	41.151	ug/L	96
6) Bromomethane	2.693	94	225427	36.093	ug/L	99
8) Chloroethane	2.834	64	231295	35.605	ug/L	96
9) Trichlorofluoromethane	3.175	101	240715	35.246	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	156103	37.613	ug/L	99
12) 1,1-Dichloroethene	3.940	96	142950	39.256	ug/L	92
13) Acetone	4.022	43	85646	96.813	ug/L	99
14) Carbon disulfide	4.275	76	477353	43.259	ug/L	100
15) Methyl Acetate	4.564	43	46772	33.994	ug/L	94
16) Methylene chloride	4.805	84	158479	32.256	ug/L	93
17) trans-1,2-Dichloroethene	5.311	96	154156	41.483	ug/L	95
18) Methyl tert-butyl Ether	5.316	73	304680	39.909	ug/L #	89
19) 1,1-Dichloroethane	6.116	63	237115	38.897	ug/L #	96
20) cis-1,2-Dichloroethene	7.081	96	169714	40.971	ug/L	98
22) 2-Butanone	7.081	43	92638	94.747	ug/L	98
23) Bromochloromethane	7.428	128	81026	39.048	ug/L	93
25) Chloroform	7.599	83	272278	37.311	ug/L	95
27) 1,2-Dichloroethane	8.328	62	163895	38.672	ug/L	98
29) Cyclohexane	7.881	56	207272	50.334	ug/L	99
30) 1,1,1-Trichloroethane	7.793	97	233007	40.549	ug/L	99
31) Carbon tetrachloride	7.993	117	216233	40.831	ug/L	98
33) Benzene	8.252	78	643877	44.966	ug/L	100
34) Trichloroethene	9.028	95	158247	42.820	ug/L	98
35) Methylcyclohexane	9.275	83	286028	50.068	ug/L	99
37) 1,2-Dichloropropane	9.304	63	147806	41.169	ug/L	99
38) Bromodichloromethane	9.581	83	202707	40.274	ug/L	95
39) cis-1,3-Dichloropropene	10.016	75	250547	44.542	ug/L	96
40) 4-Methyl-2-pentanone	10.157	43	141348	79.757	ug/L	94
42) Toluene	10.334	91	720058	45.508	ug/L	98
44) trans-1,3-Dichloropropene	10.551	75	215258	43.427	ug/L	93

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

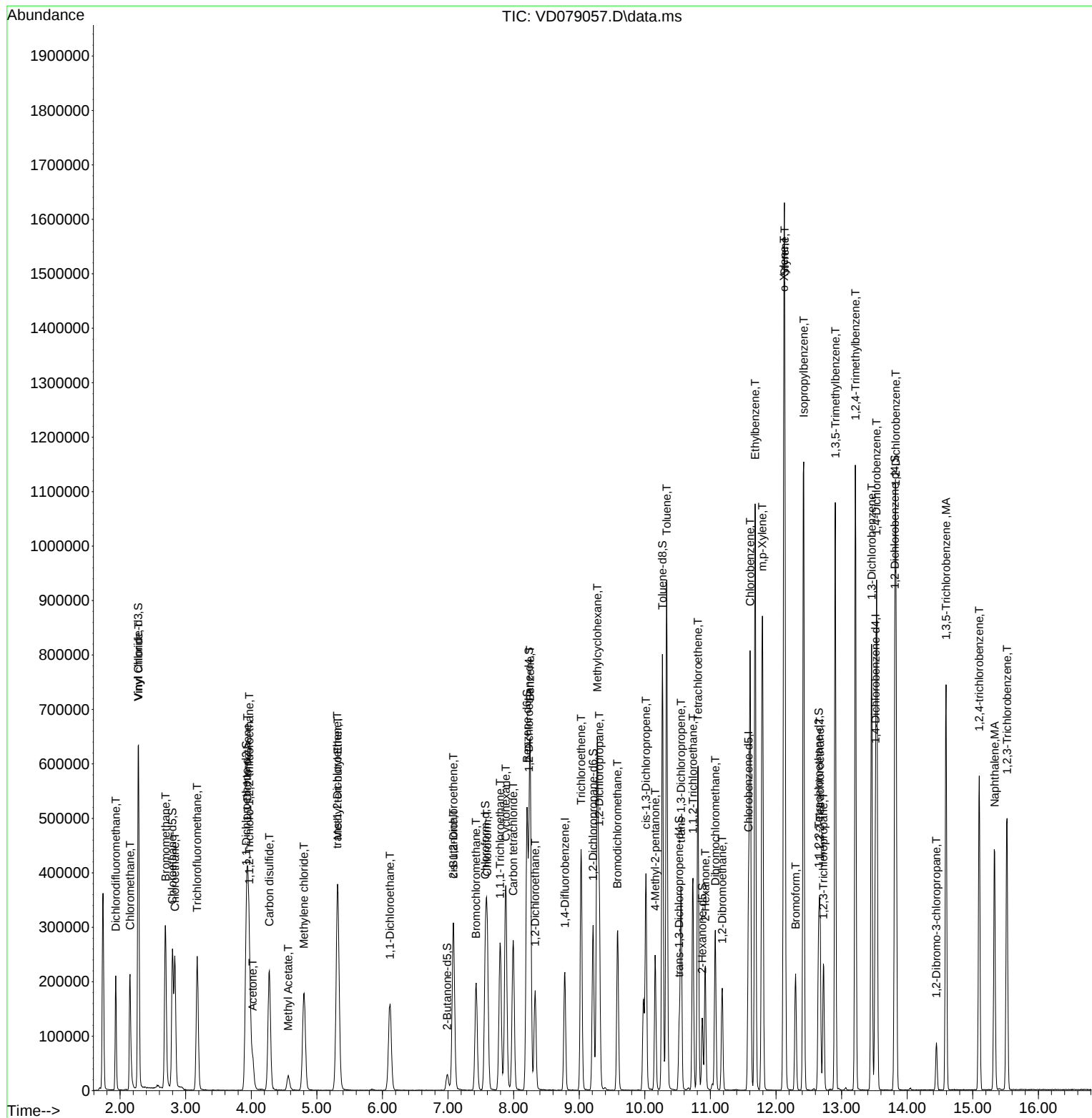
45) 1,1,2-Trichloroethane	10.734	97	130614	40.363	ug/L	98
46) Tetrachloroethene	10.810	164	141267	43.922	ug/L	96
48) 2-Hexanone	10.922	43	131975	93.687	ug/L	97
49) Dibromochloromethane	11.075	129	157025	39.802	ug/L	96
50) 1,2-Dibromoethane	11.181	107	123921	40.133	ug/L	99
51) Chlorobenzene	11.604	112	465887	42.202	ug/L	97
52) Ethylbenzene	11.681	91	787345	46.540	ug/L	99
53) m,p-Xylene	11.793	106	311905	46.031	ug/L	96
54) o-Xylene	12.122	106	304198	45.976	ug/L	95
55) Styrene	12.134	104	557229	48.242	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.669	83	150533	38.552	ug/L #	95
59) Bromoform	12.298	173	98625	38.666	ug/L	98
60) Isopropylbenzene	12.422	105	797818	46.941	ug/L	99
61) 1,2,3-Trichloropropane	12.722	75	98621	38.141	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	573061	46.353	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	617964	48.589	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	364963	44.371	ug/L	99
65) 1,4-Dichlorobenzene	13.534	146	378986	42.821	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	341202	43.961	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.445	75	20435	38.263	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.592	180	237534	44.511	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	194946	43.226	ug/L	99
71) Naphthalene	15.334	128	395177	43.588	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	180387	43.285	ug/L	97

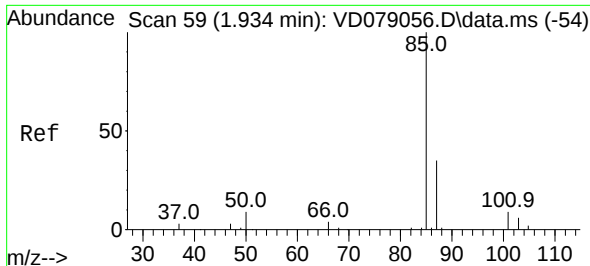
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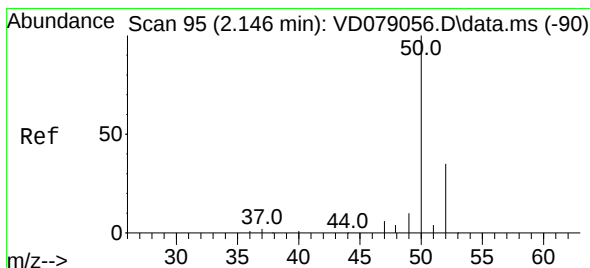
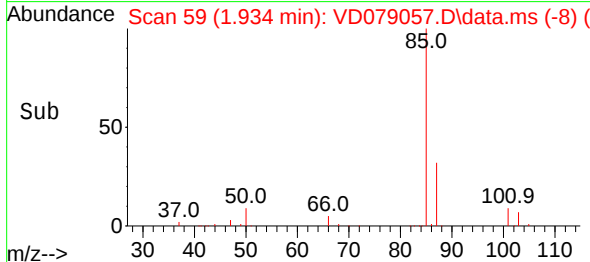
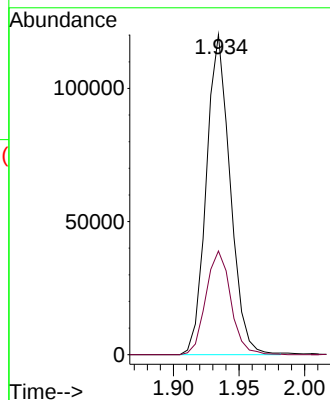
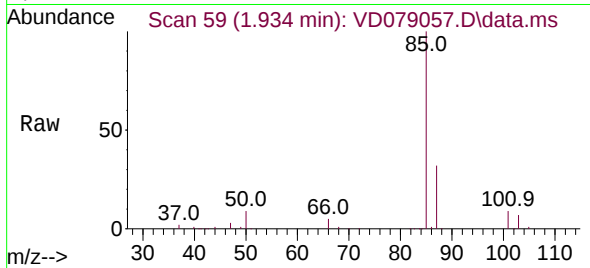




#2
 Dichlorodifluoromethane
 Concen: 36.452 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD079057.D
 Acq: 29 May 2024 10:44

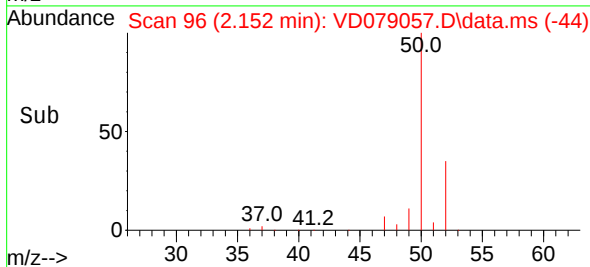
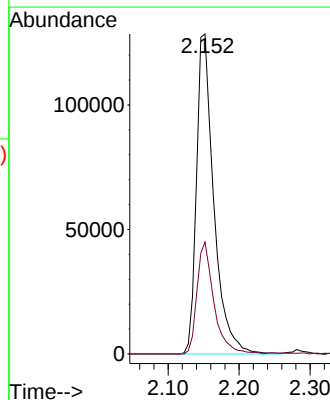
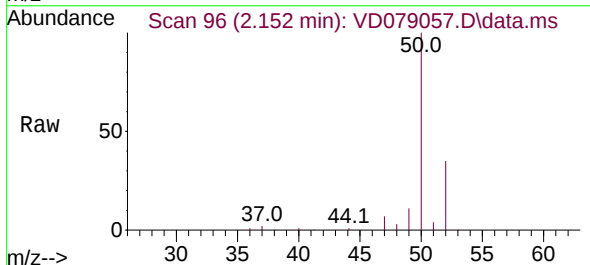
Instrument :
 MSVOA_D
 ClientSampleId :

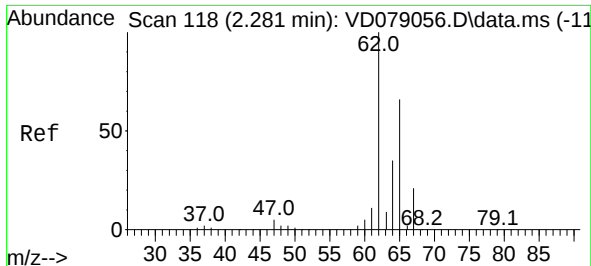
Tgt Ion: 85 Resp: 152238
 Ion Ratio Lower Upper
 85 100
 87 33.9 26.2 39.4



#3
 Chloromethane
 Concen: 41.971 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.006 min
 Lab File: VD079057.D
 Acq: 29 May 2024 10:44

Tgt Ion: 50 Resp: 218545
 Ion Ratio Lower Upper
 50 100
 52 35.0 24.4 45.2

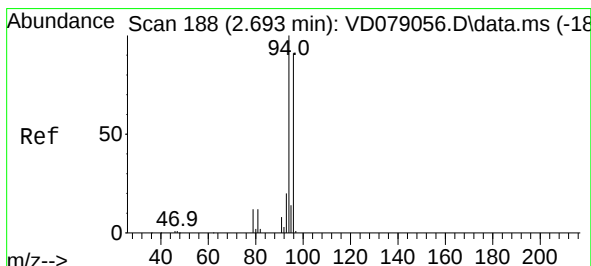
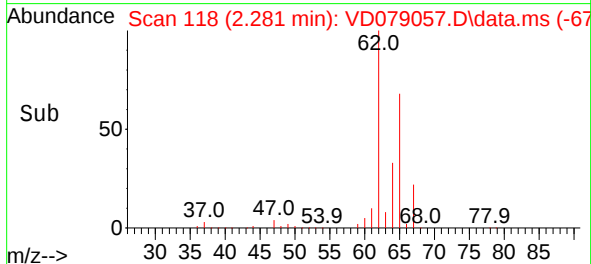
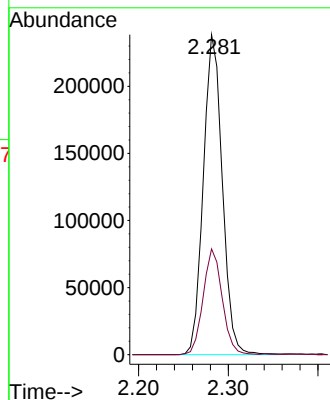
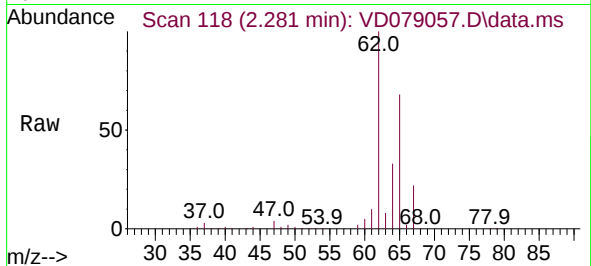




#5
Vinyl chloride
Concen: 41.151 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

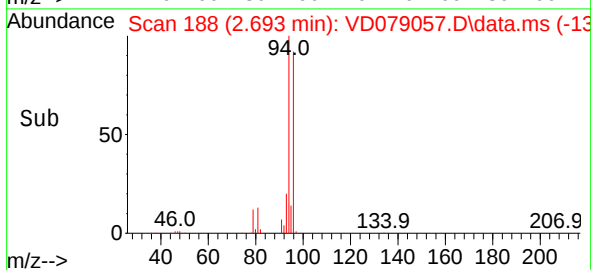
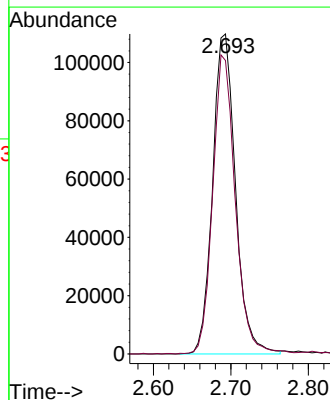
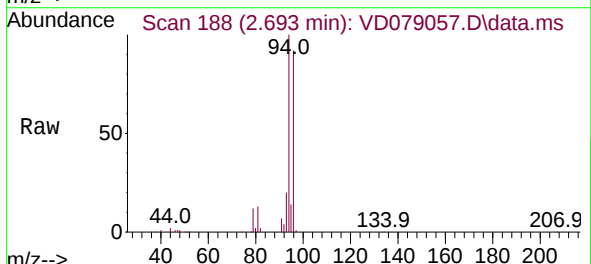
Instrument :
MSVOA_D
ClientSampleId :

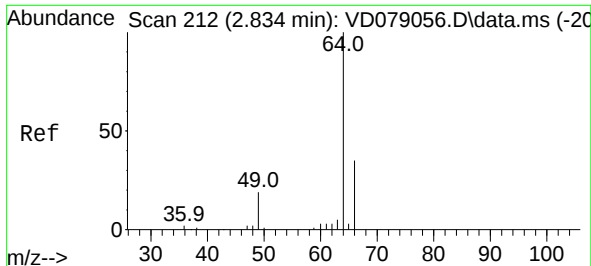
Tgt Ion: 62 Resp: 350624
Ion Ratio Lower Upper
62 100
64 33.1 24.8 46.1



#6
Bromomethane
Concen: 36.093 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion: 94 Resp: 225427
Ion Ratio Lower Upper
94 100
96 91.7 63.6 118.2

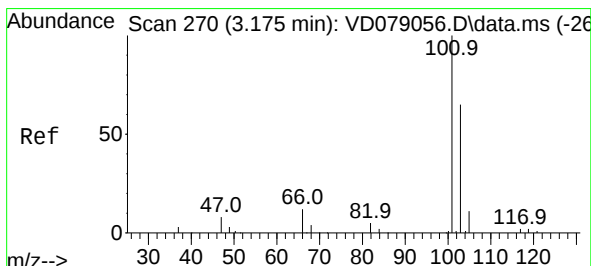
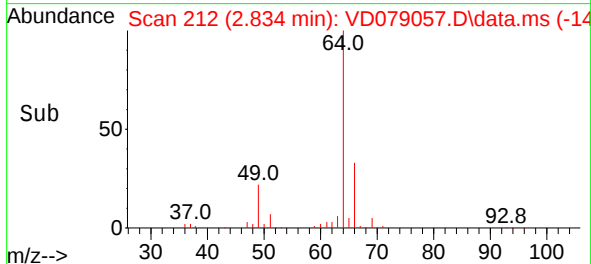
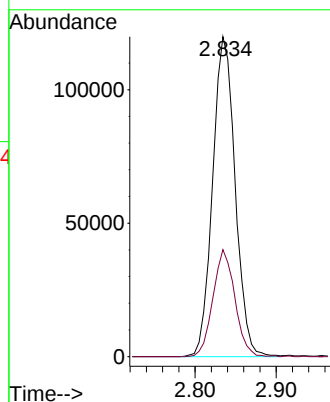
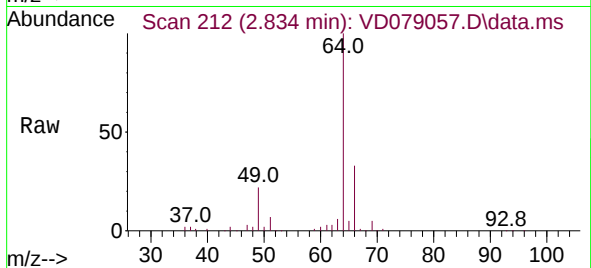




#8
Chloroethane
Concen: 35.605 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

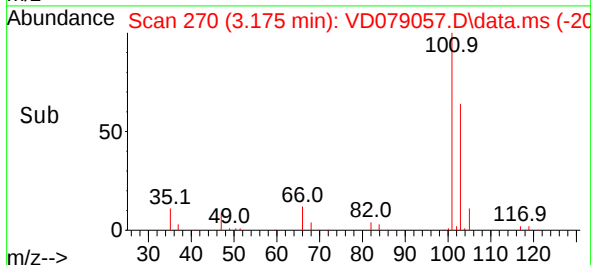
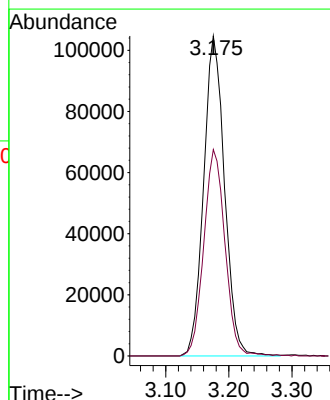
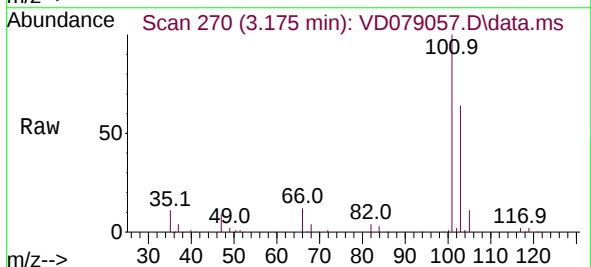
Instrument :
MSVOA_D
ClientSampleId :

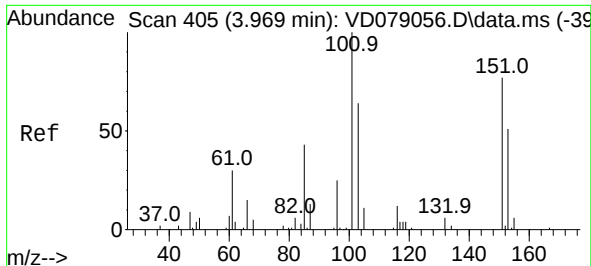
Tgt Ion: 64 Resp: 231295
Ion Ratio Lower Upper
64 100
66 33.4 24.8 46.1



#9
Trichlorofluoromethane
Concen: 35.246 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion:101 Resp: 240715
Ion Ratio Lower Upper
101 100
103 64.7 52.6 79.0





#10

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

Concen: 37.613 ug/L

RT: 3.969 min Scan# 405

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :

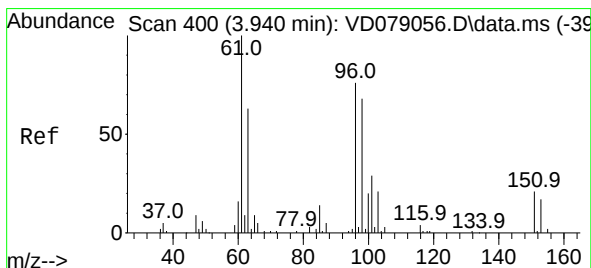
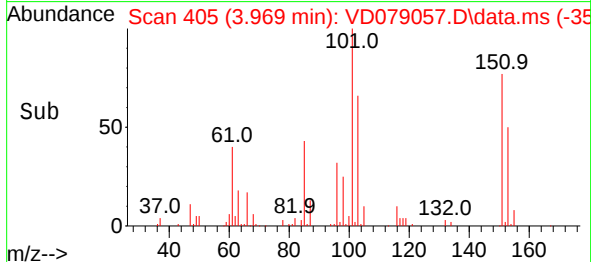
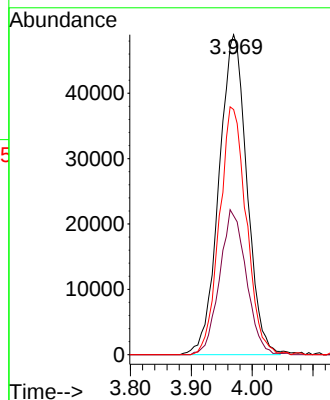
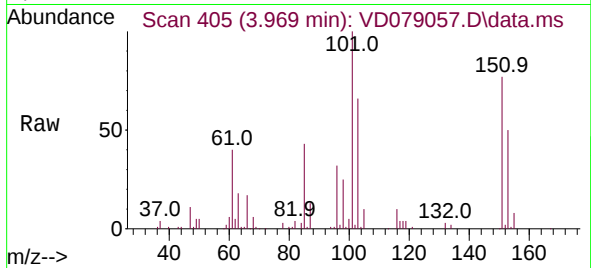
Tgt Ion:101 Resp: 156103

Ion Ratio Lower Upper

101 100

85 42.9 35.4 53.0

151 74.1 59.1 88.7



#12

1,1-Dichloroethene

Concen: 39.256 ug/L

RT: 3.940 min Scan# 400

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

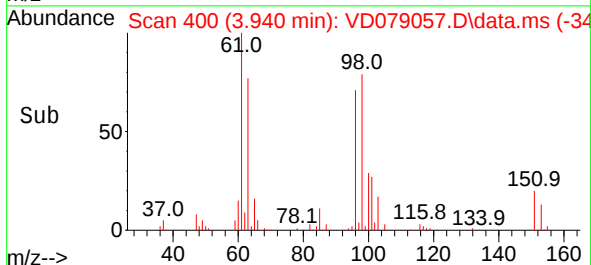
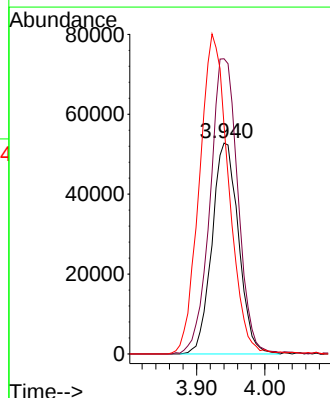
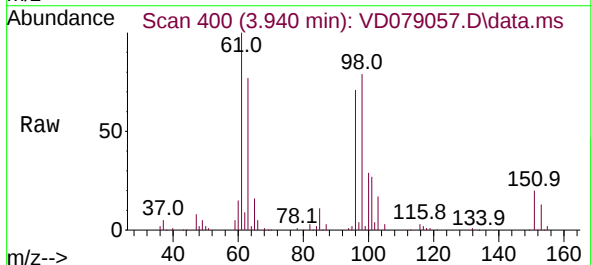
Tgt Ion: 96 Resp: 142950

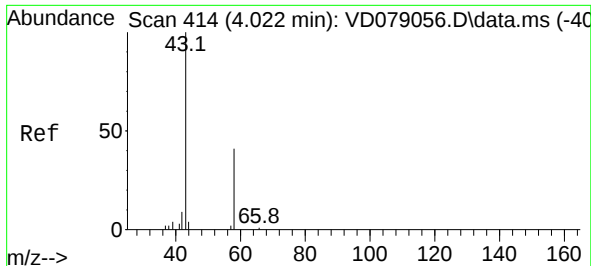
Ion Ratio Lower Upper

96 100

61 140.0 93.9 174.3

63 108.4 67.7 125.7





#13

Acetone

Concen: 96.813 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

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MSVOA_D

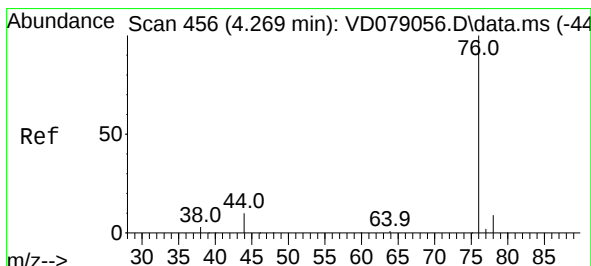
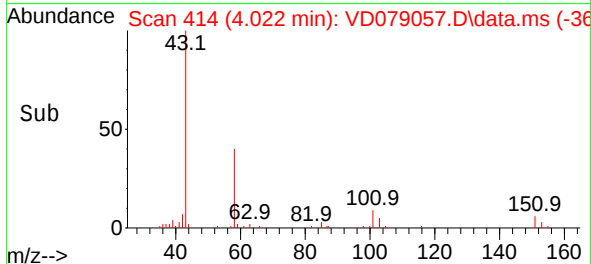
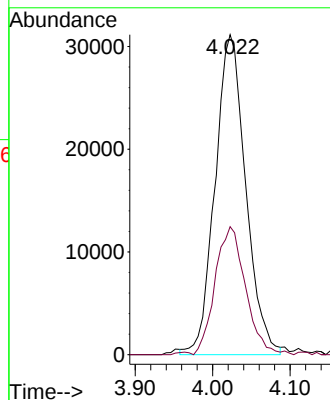
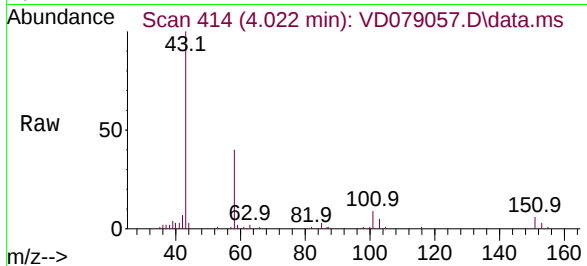
ClientSampleId :

Tgt Ion: 43 Resp: 85646

Ion Ratio Lower Upper

43 100

58 39.4 0.0 78.2



#14

Carbon disulfide

Concen: 43.259 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.006 min

Lab File: VD079057.D

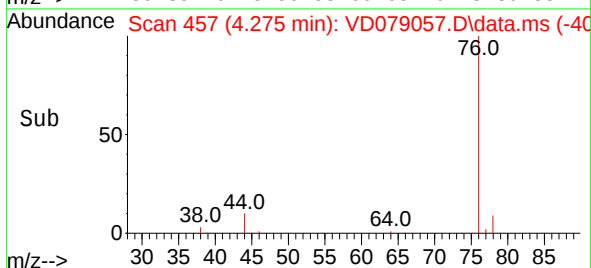
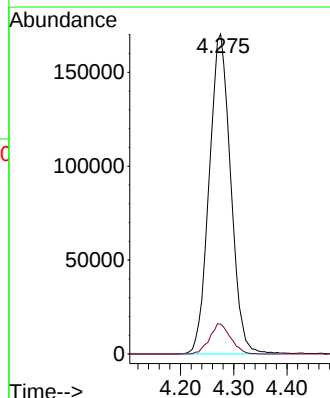
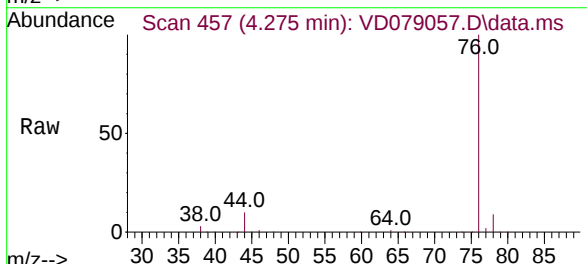
Acq: 29 May 2024 10:44

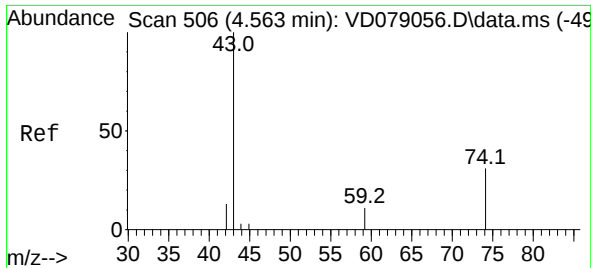
Tgt Ion: 76 Resp: 477353

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

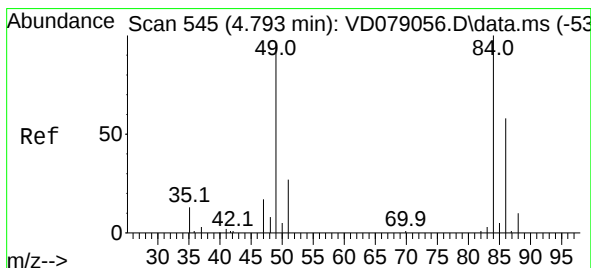
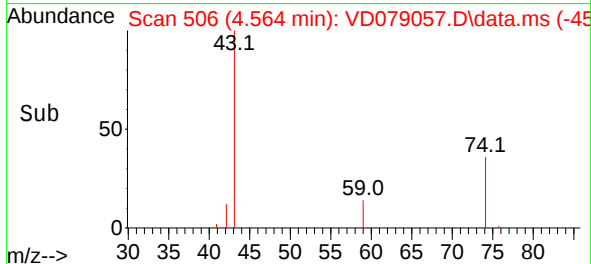
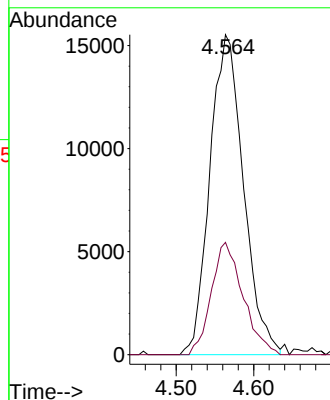
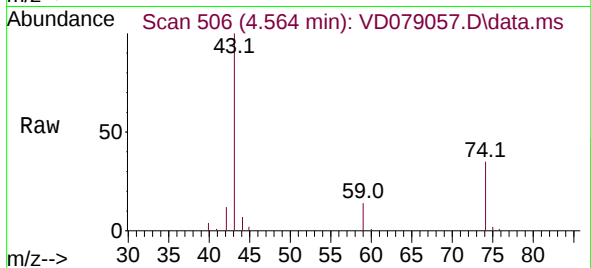




#15
Methyl Acetate
Concen: 33.994 ug/L
RT: 4.564 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

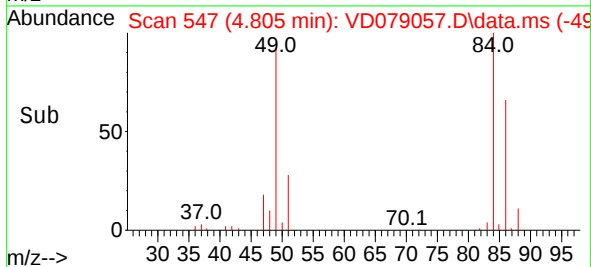
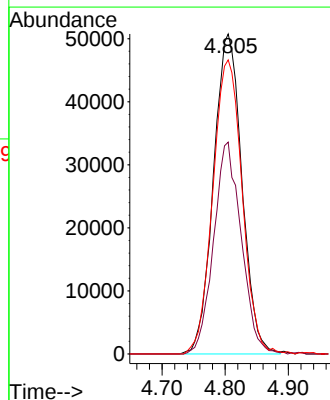
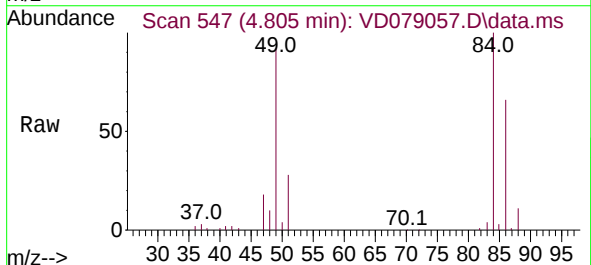
Instrument :
MSVOA_D
ClientSampleId :

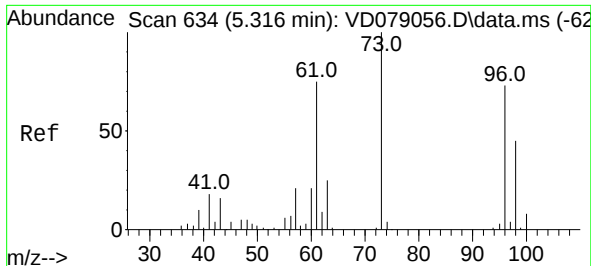
Tgt Ion: 43 Resp: 46772
Ion Ratio Lower Upper
43 100
74 33.1 23.8 35.6



#16
Methylene chloride
Concen: 32.256 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.012 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion: 84 Resp: 158479
Ion Ratio Lower Upper
84 100
86 66.2 40.9 76.0
49 91.9 67.5 125.3





#17

trans-1,2-Dichloroethene

Concen: 41.483 ug/L

RT: 5.311 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :

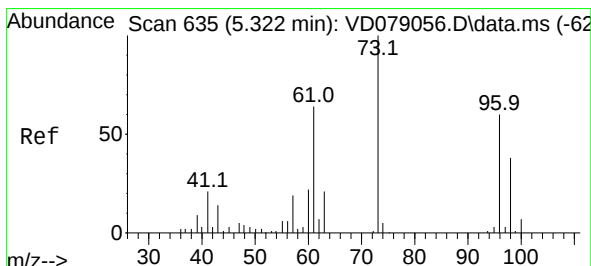
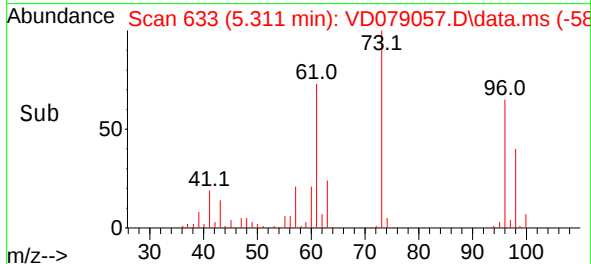
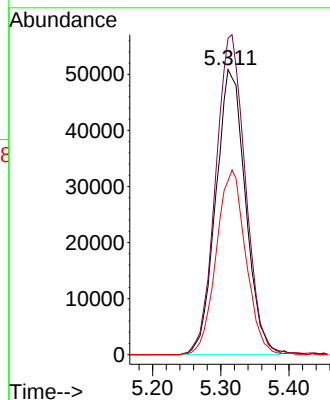
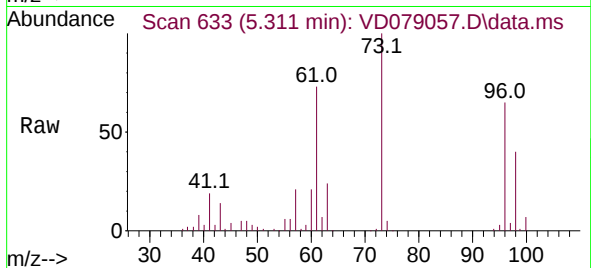
Tgt Ion: 96 Resp: 154156

Ion Ratio Lower Upper

96 100

61 111.0 71.9 133.5

98 61.0 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 39.909 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

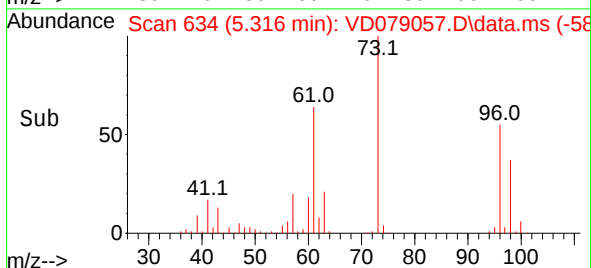
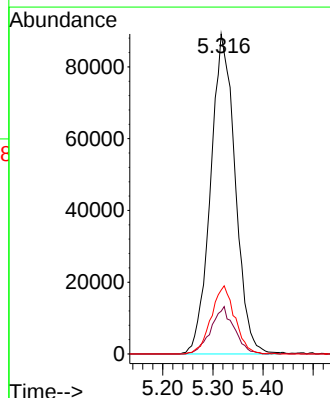
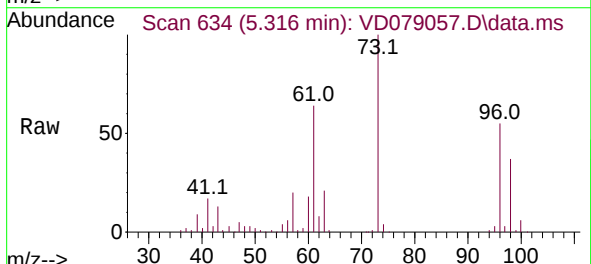
Tgt Ion: 73 Resp: 304680

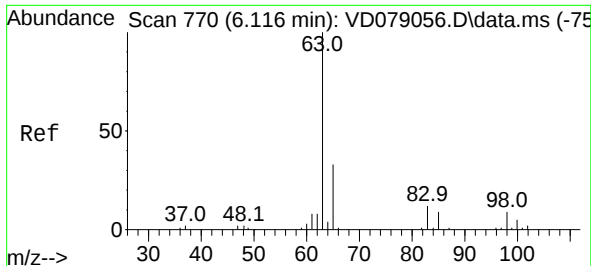
Ion Ratio Lower Upper

73 100

43 13.9 12.0 18.0

57 20.4 9.6 14.4#

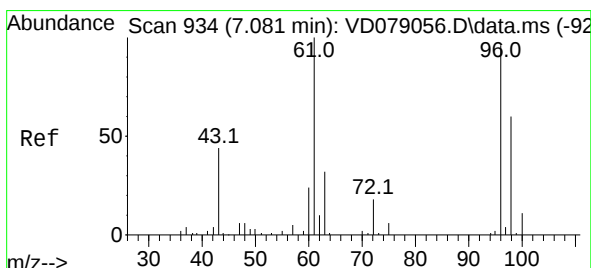
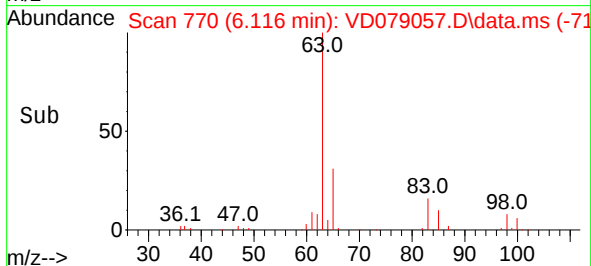
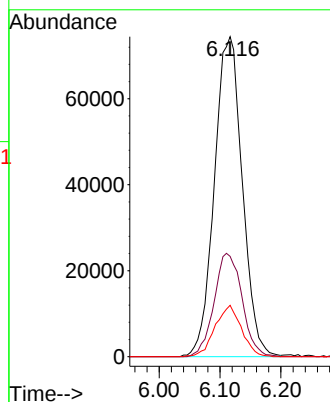
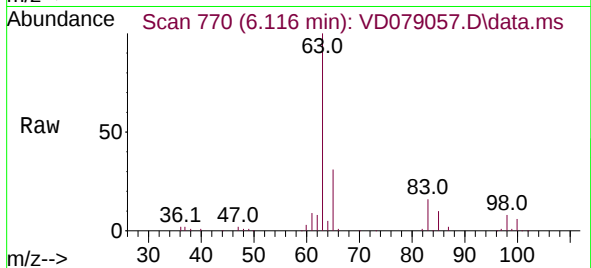




#19
1,1-Dichloroethane
Concen: 38.897 ug/L
RT: 6.116 min Scan# 770
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

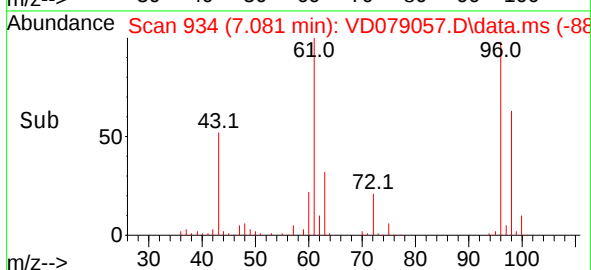
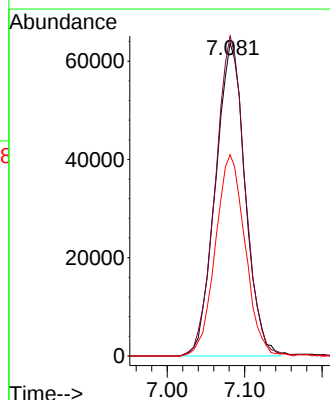
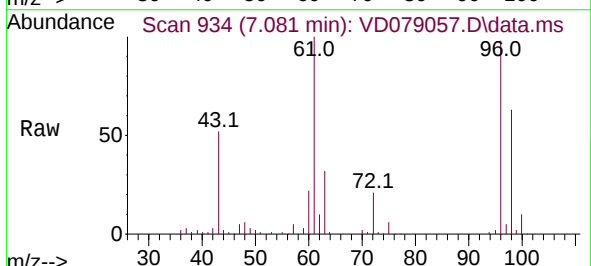
Instrument :
MSVOA_D
ClientSampleId :

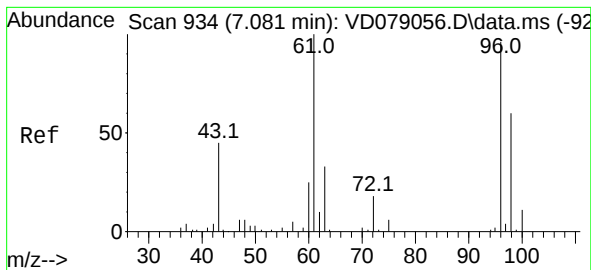
Tgt Ion: 63 Resp: 237115
Ion Ratio Lower Upper
63 100
65 31.4 22.8 42.4
83 16.1 8.6 16.0#



#20
cis-1,2-Dichloroethene
Concen: 40.971 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion: 96 Resp: 169714
Ion Ratio Lower Upper
96 100
61 102.3 72.6 134.8
98 64.3 43.8 81.3





#22

2-Butanone

Concen: 94.747 ug/L

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

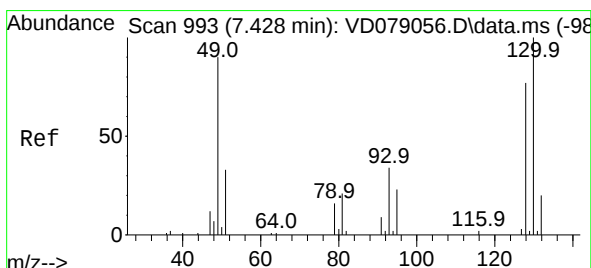
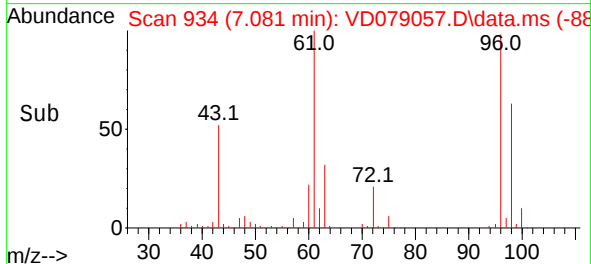
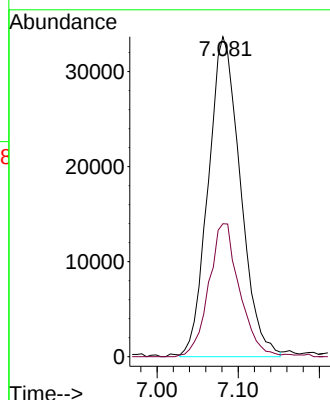
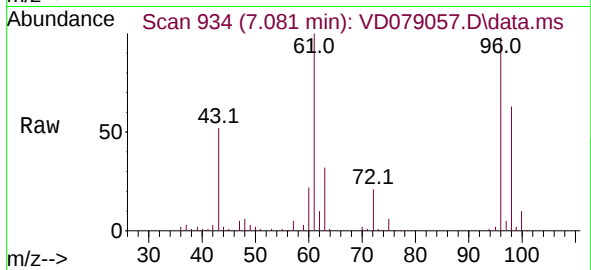
ClientSampleId :

Tgt Ion: 43 Resp: 92638

Ion Ratio Lower Upper

43 100

72 39.6 19.3 57.8



#23

Bromochloromethane

Concen: 39.048 ug/L

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Tgt Ion:128 Resp: 81026

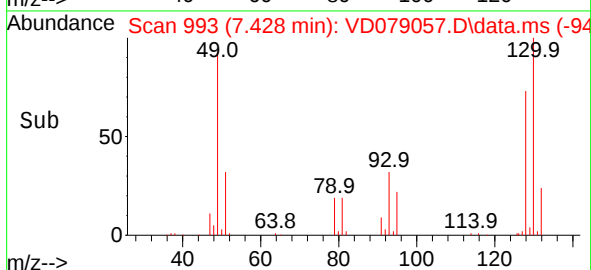
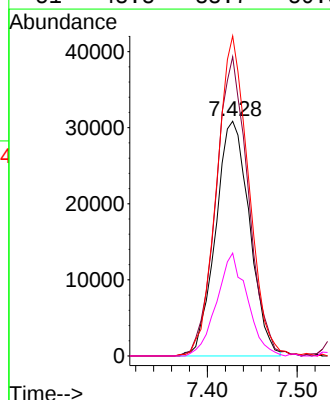
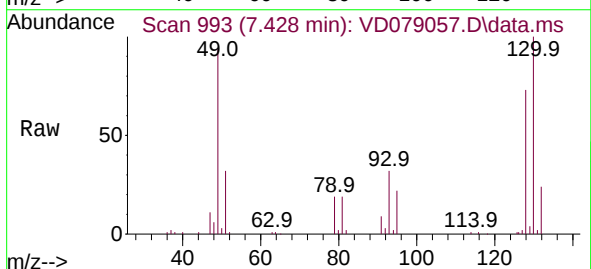
Ion Ratio Lower Upper

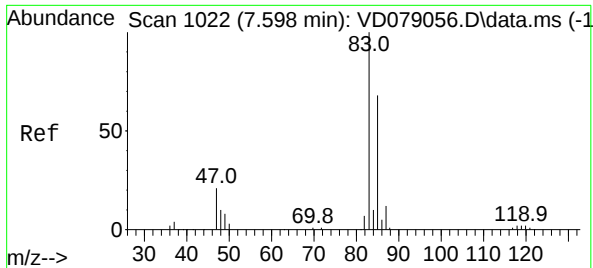
128 100

49 127.5 81.8 151.8

130 136.4 90.4 167.8

51 43.8 33.7 50.5





#25

Chloroform

Concen: 37.311 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

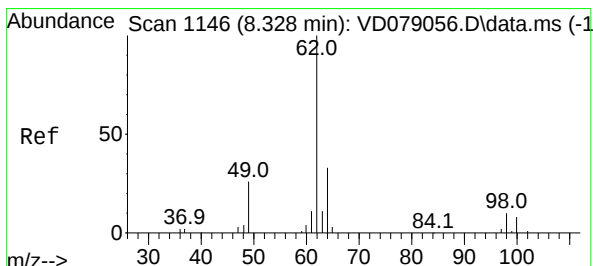
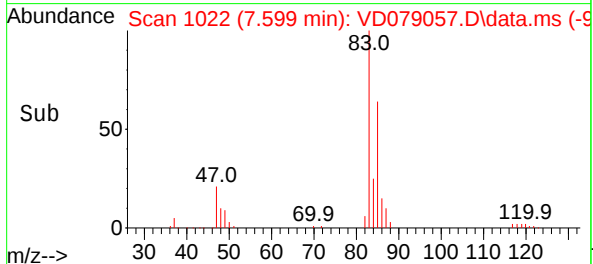
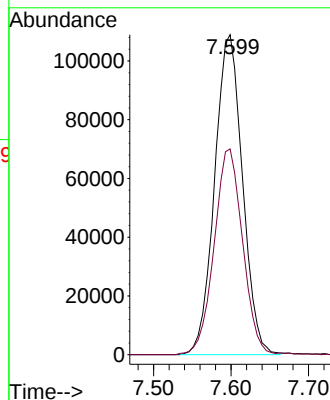
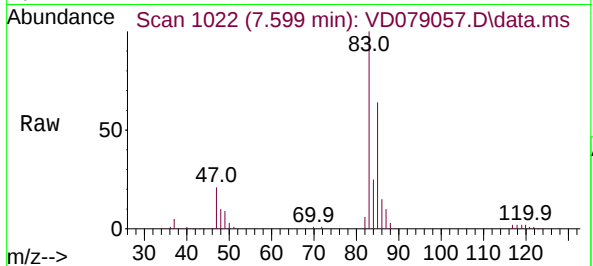
ClientSampleId :

Tgt Ion: 83 Resp: 272278

Ion Ratio Lower Upper

83 100

85 64.3 47.9 89.1



#27

1,2-Dichloroethane

Concen: 38.672 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD079057.D

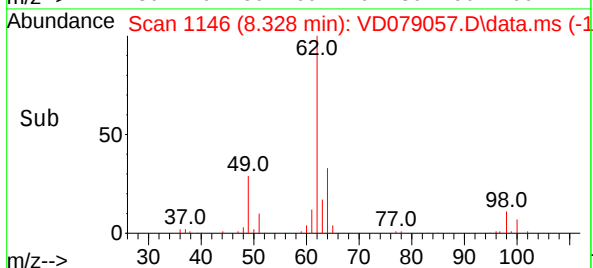
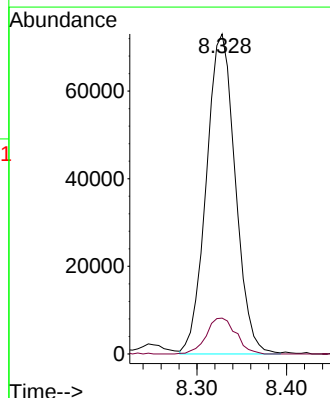
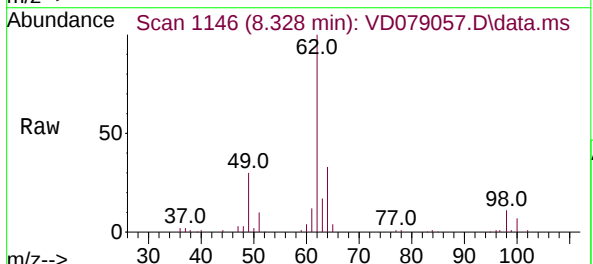
Acq: 29 May 2024 10:44

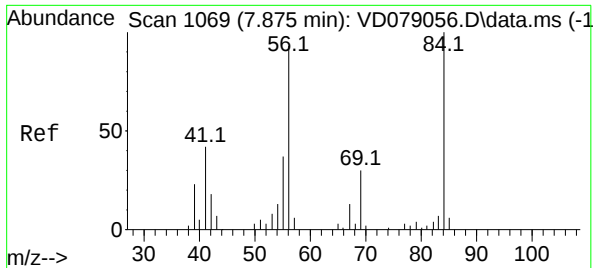
Tgt Ion: 62 Resp: 163895

Ion Ratio Lower Upper

62 100

98 11.2 8.2 12.4





#29

Cyclohexane

Concen: 50.334 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :

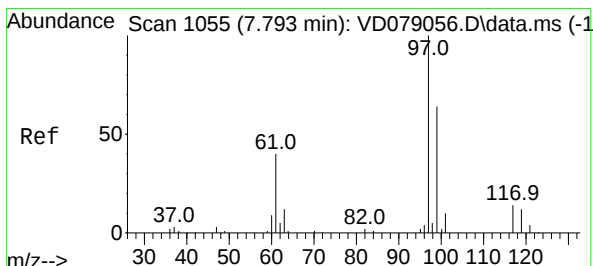
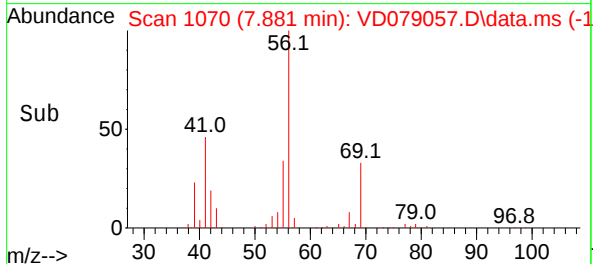
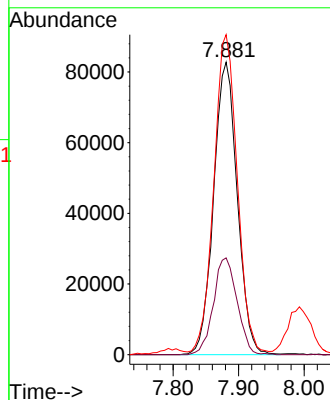
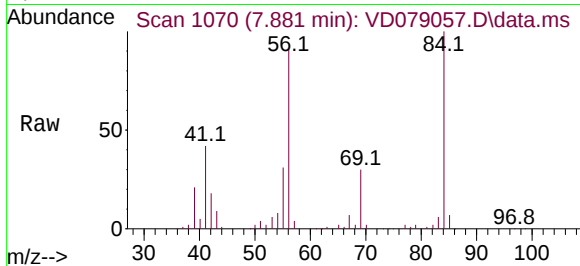
Tgt Ion: 56 Resp: 207272

Ion Ratio Lower Upper

56 100

69 32.9 26.6 40.0

84 108.5 87.5 131.3



#30

1,1,1-Trichloroethane

Concen: 40.549 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

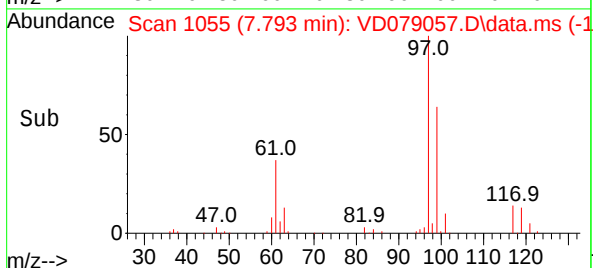
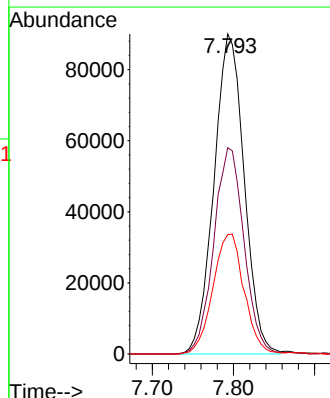
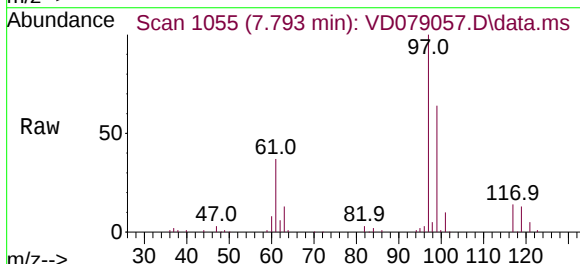
Tgt Ion: 97 Resp: 233007

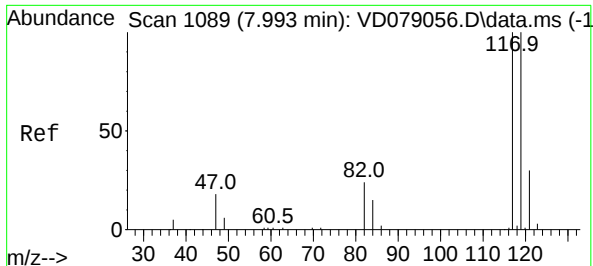
Ion Ratio Lower Upper

97 100

99 64.6 52.3 78.5

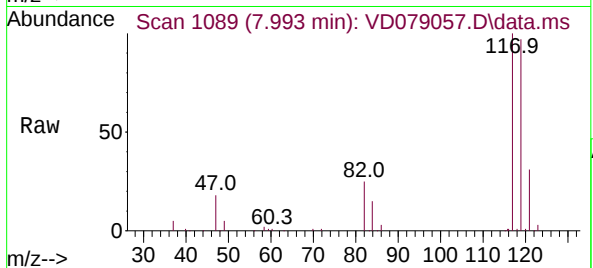
61 38.6 31.7 47.5



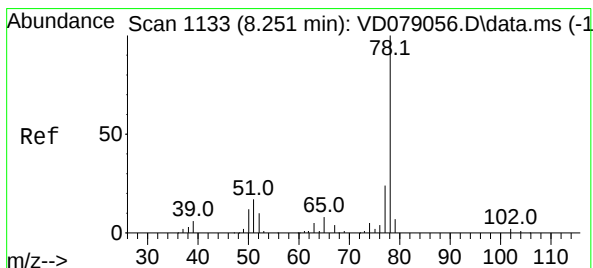
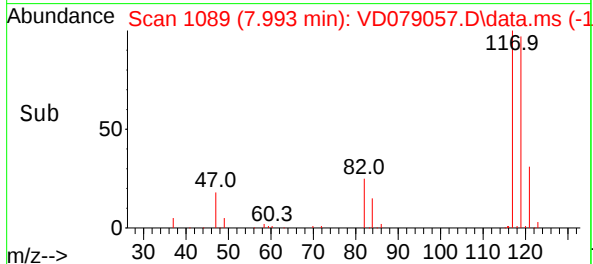
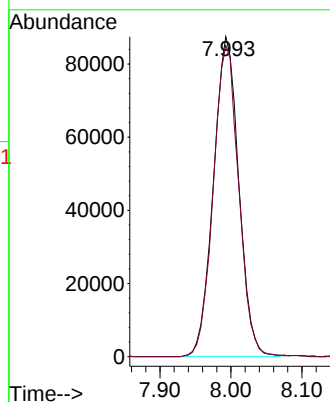


#31
Carbon tetrachloride
Concen: 40.831 ug/L
RT: 7.993 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Instrument :
MSVOA_D
ClientSampleId :

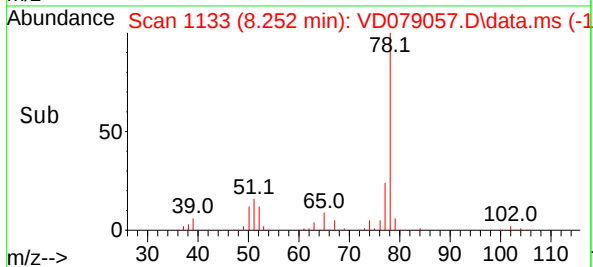
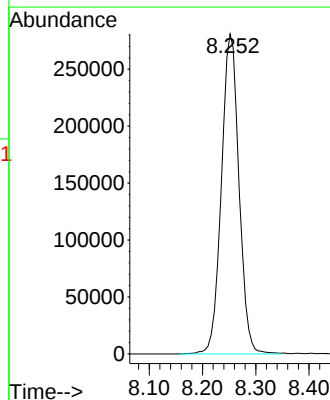
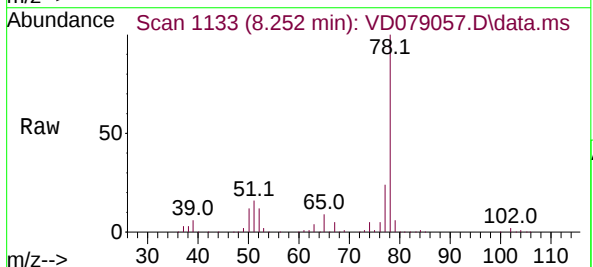


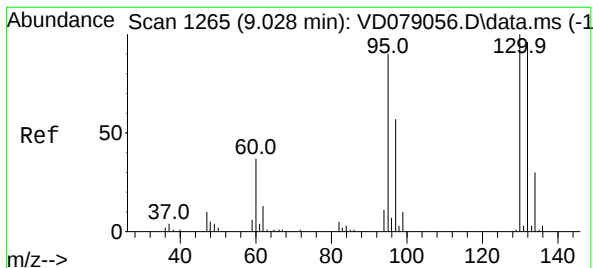
Tgt Ion:117 Resp: 216233
Ion Ratio Lower Upper
117 100
119 97.3 79.6 119.4



#33
Benzene
Concen: 44.966 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion: 78 Resp: 643877





#34

Trichloroethene

Concen: 42.820 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 158247

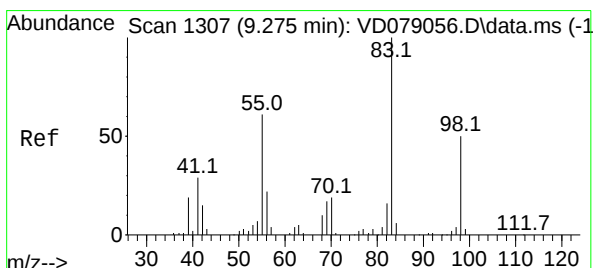
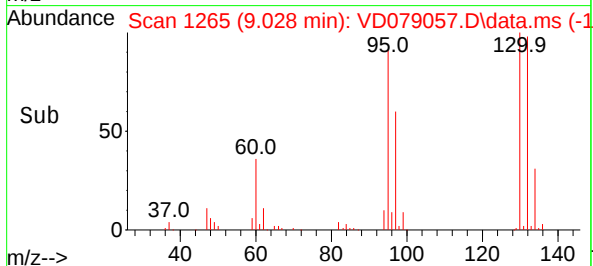
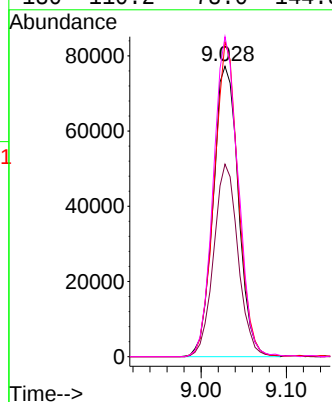
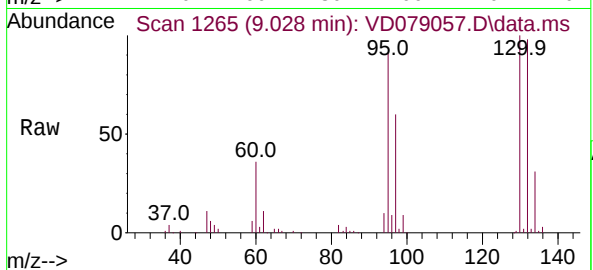
Ion Ratio Lower Upper

95 100

97 66.3 44.6 82.8

132 108.5 74.9 139.1

130 110.2 78.0 144.8



#35

Methylcyclohexane

Concen: 50.068 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

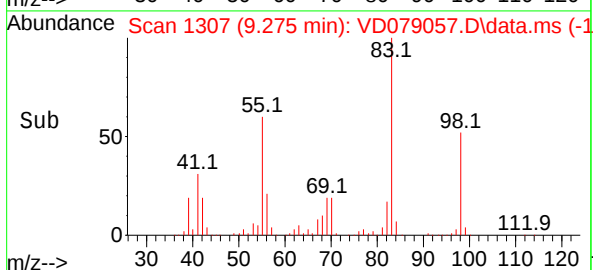
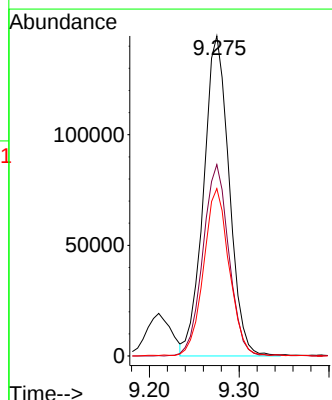
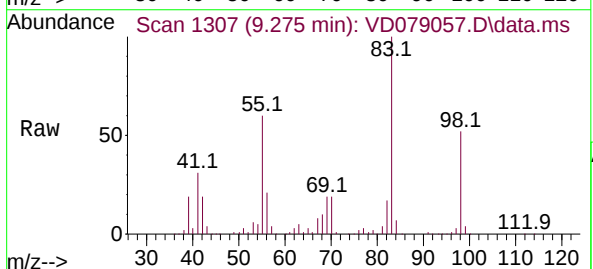
Tgt Ion: 83 Resp: 286028

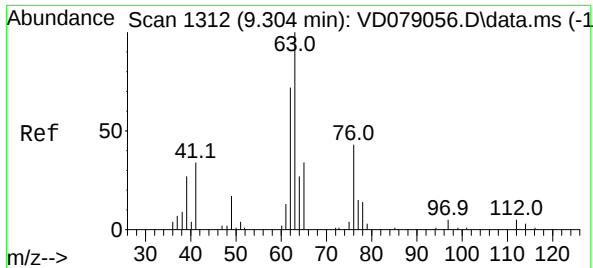
Ion Ratio Lower Upper

83 100

55 60.6 48.6 72.8

98 52.3 40.2 60.2

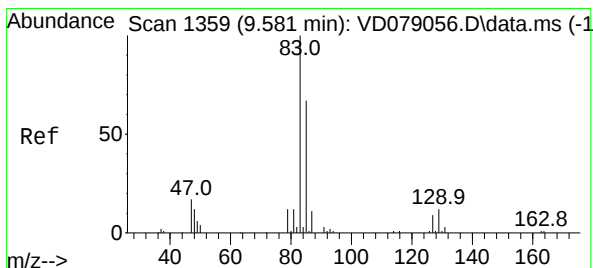
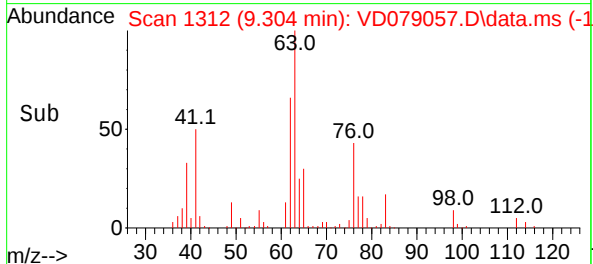
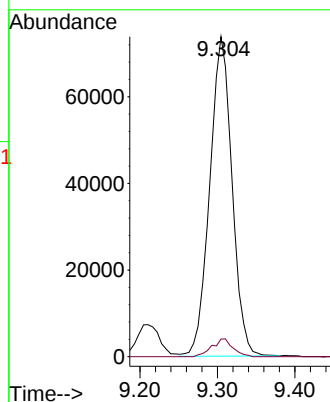
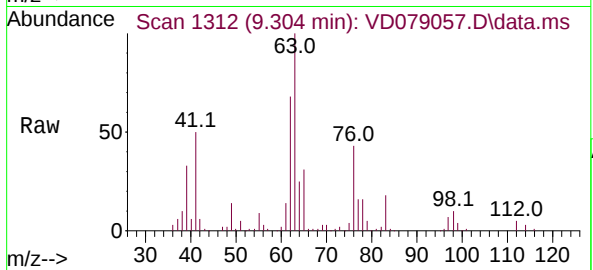




#37
1,2-Dichloropropane
Concen: 41.169 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

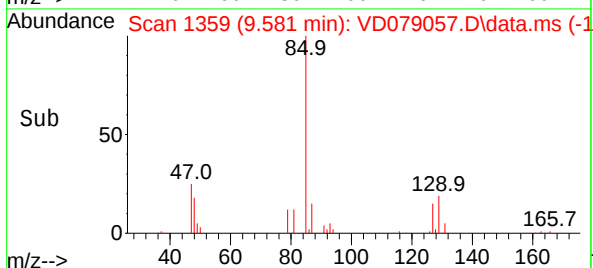
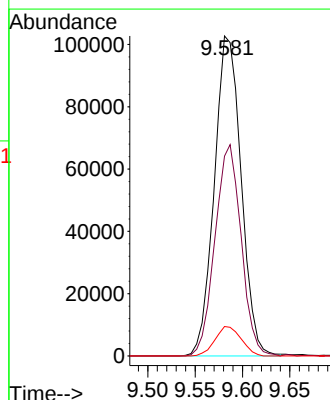
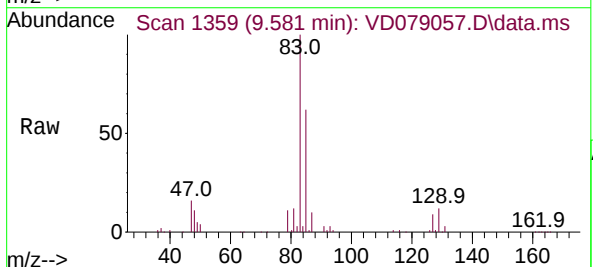
Instrument :
MSVOA_D
ClientSampleId :

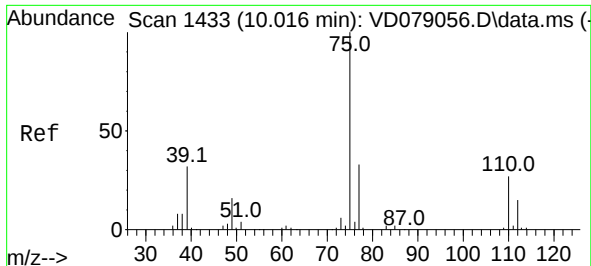
Tgt Ion: 63 Resp: 147806
Ion Ratio Lower Upper
63 100
112 5.3 3.9 5.9



#38
Bromodichloromethane
Concen: 40.274 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion: 83 Resp: 202707
Ion Ratio Lower Upper
83 100
85 62.5 46.5 86.5
127 9.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 44.542 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

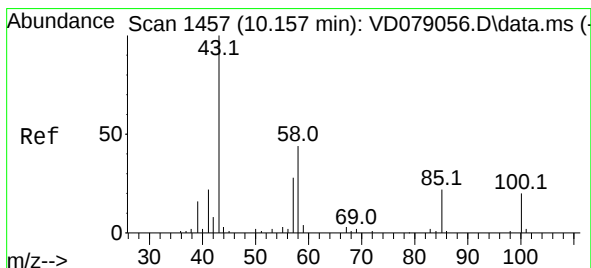
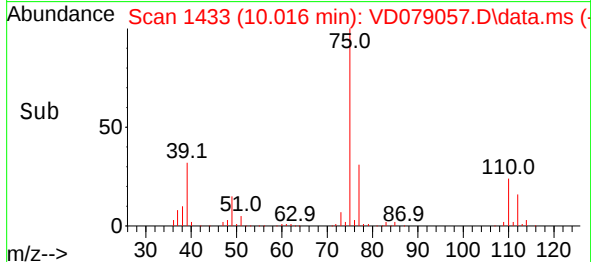
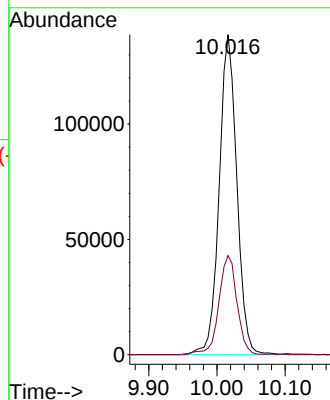
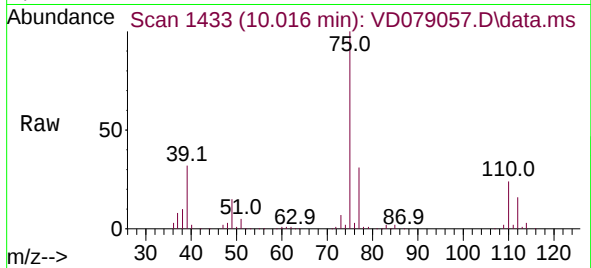
ClientSampleId :

Tgt Ion: 75 Resp: 250547

Ion Ratio Lower Upper

75 100

77 31.0 23.4 43.4



#40

4-Methyl-2-pentanone

Concen: 79.757 ug/L

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

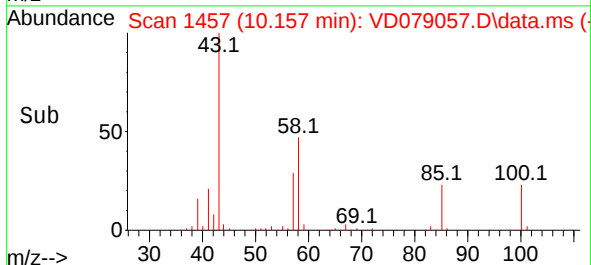
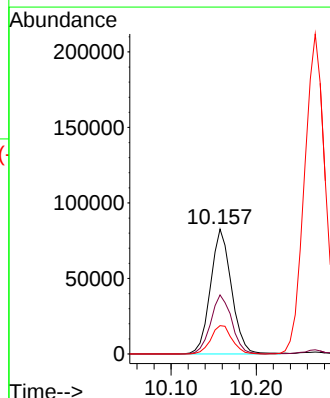
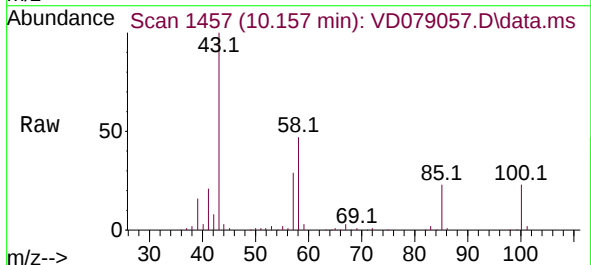
Tgt Ion: 43 Resp: 141348

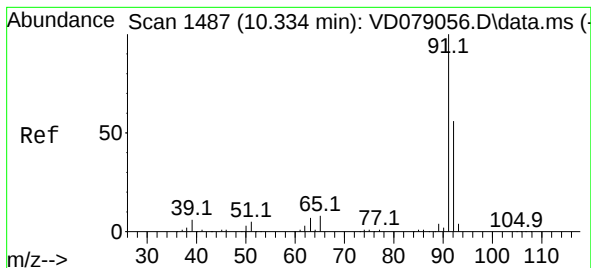
Ion Ratio Lower Upper

43 100

58 47.4 34.0 51.0

100 22.8 16.9 25.3





#42

Toluene

Concen: 45.508 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

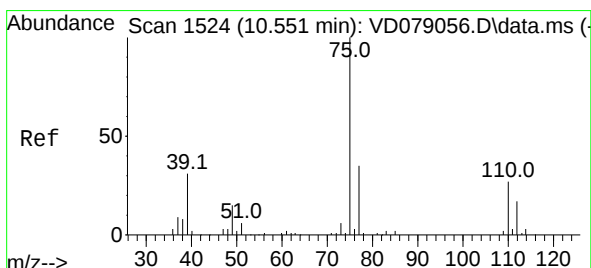
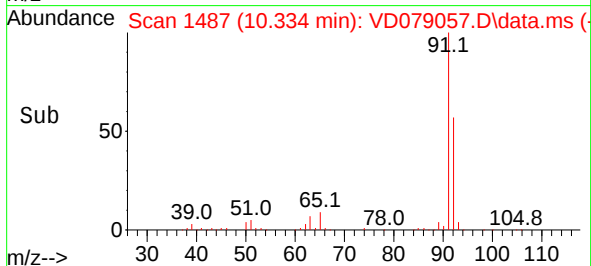
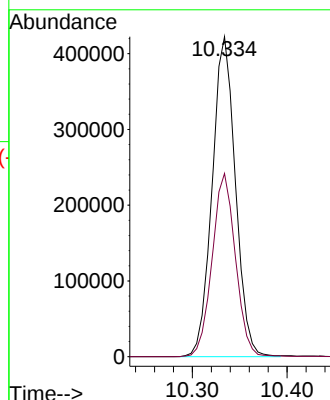
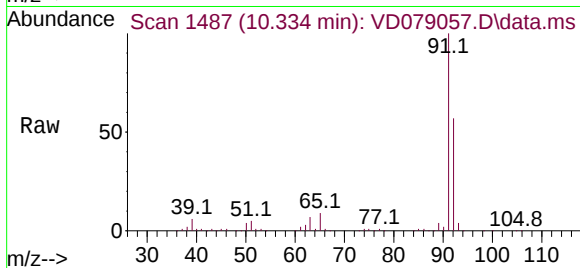
ClientSampleId :

Tgt Ion: 91 Resp: 720058

Ion Ratio Lower Upper

91 100

92 57.2 38.9 72.3



#44

trans-1,3-Dichloropropene

Concen: 43.427 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD079057.D

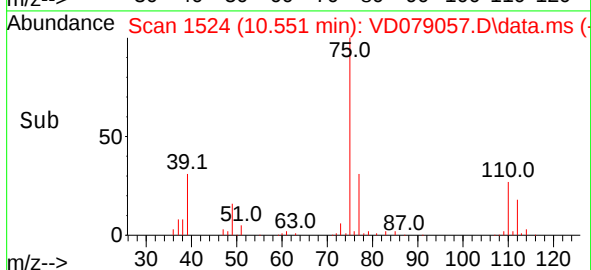
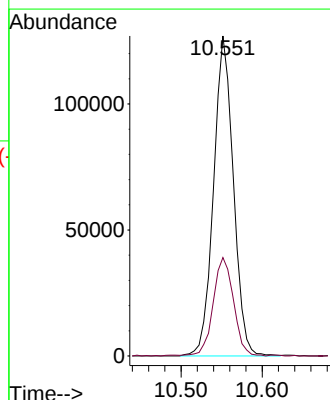
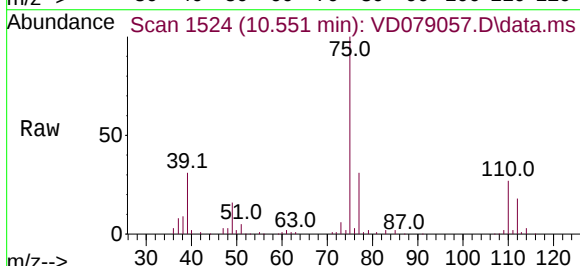
Acq: 29 May 2024 10:44

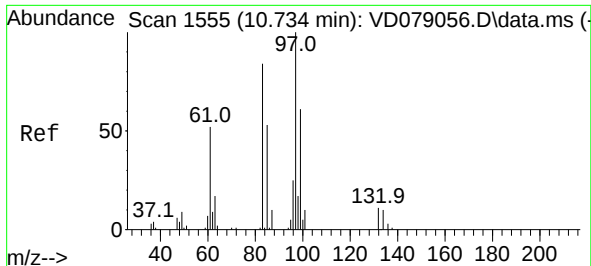
Tgt Ion: 75 Resp: 215258

Ion Ratio Lower Upper

75 100

77 30.7 24.3 45.1





#45

1,1,2-Trichloroethane

Concen: 40.363 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

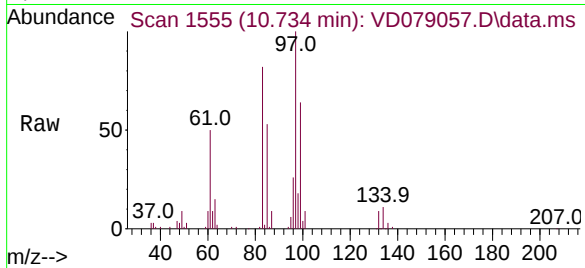
Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 97 Resp: 130614

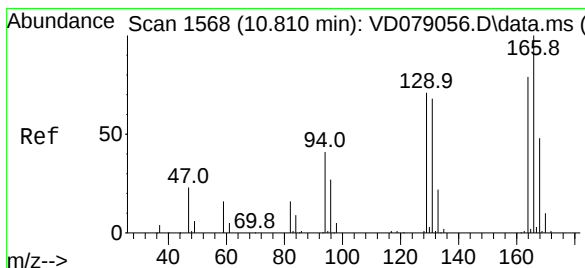
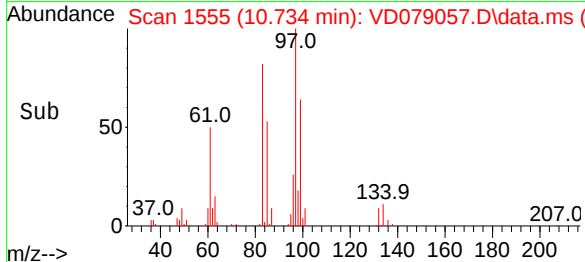
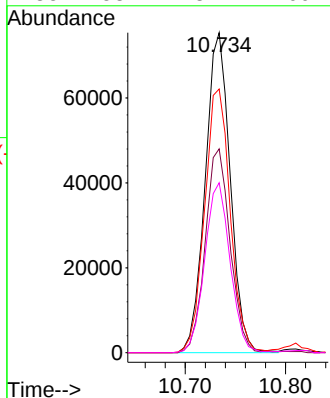
Ion Ratio Lower Upper

97 100

99 63.7 43.0 79.8

83 82.4 58.9 109.5

85 53.1 37.2 69.2



#46

Tetrachloroethene

Concen: 43.922 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Tgt Ion:164 Resp: 141267

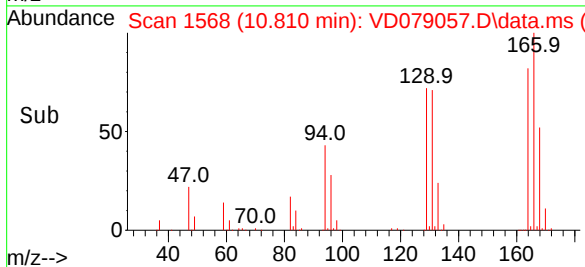
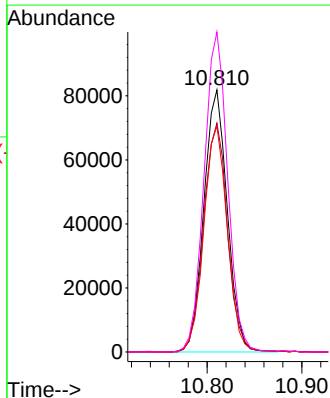
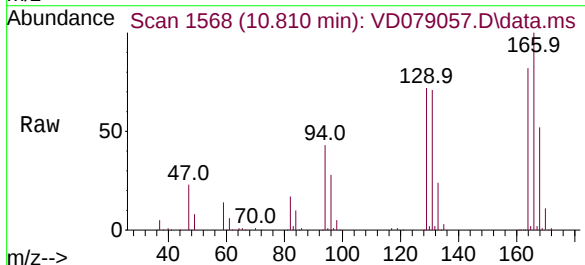
Ion Ratio Lower Upper

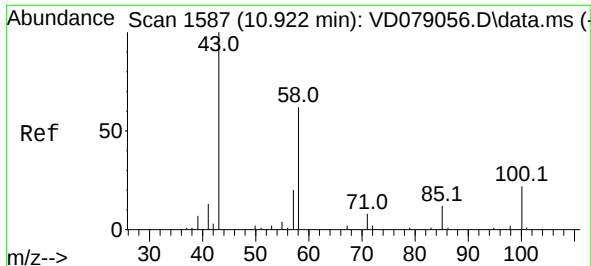
164 100

129 87.3 64.3 119.5

131 86.2 61.2 113.8

166 122.1 90.0 167.2





#48

2-Hexanone

Concen: 93.687 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

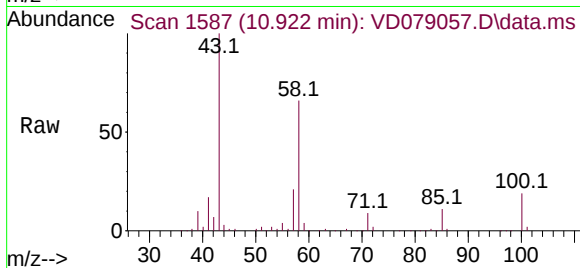
Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 131975

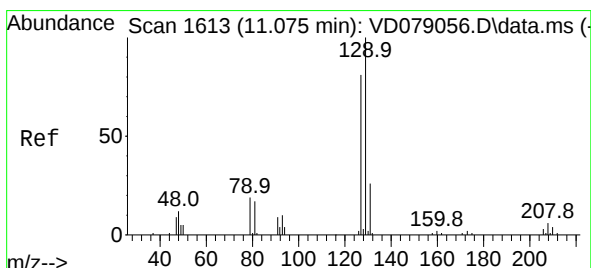
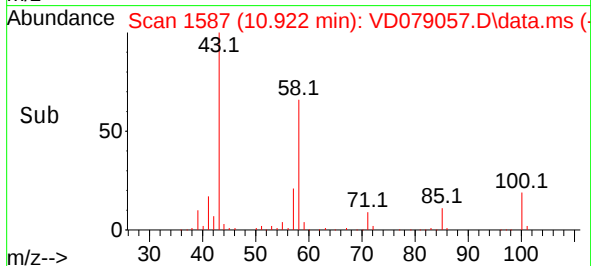
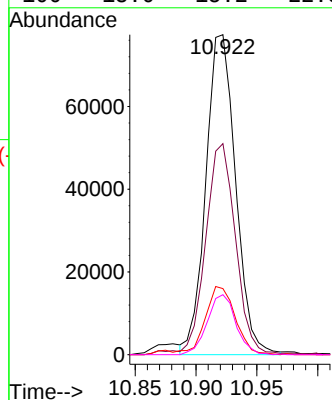
Ion Ratio Lower Upper

43 100

58 65.6 50.1 75.1

57 21.5 16.5 24.7

100 18.0 15.2 22.8



#49

Dibromochloromethane

Concen: 39.802 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD079057.D

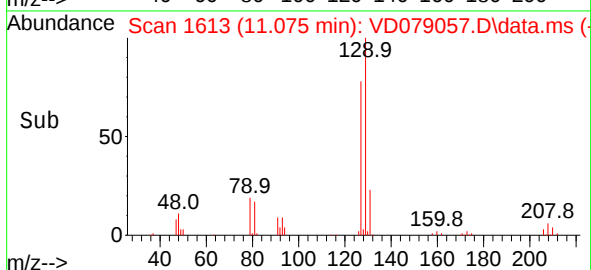
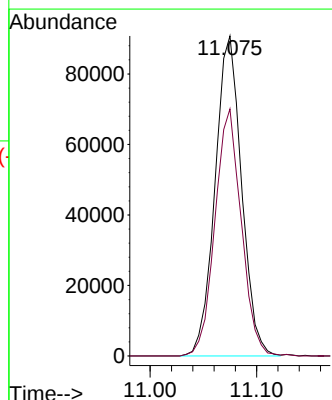
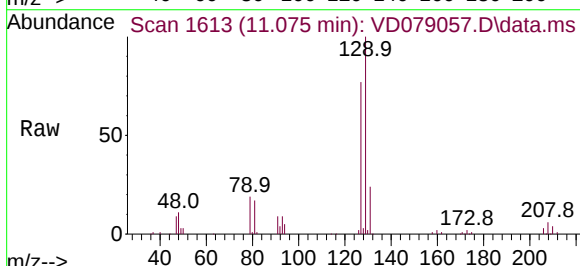
Acq: 29 May 2024 10:44

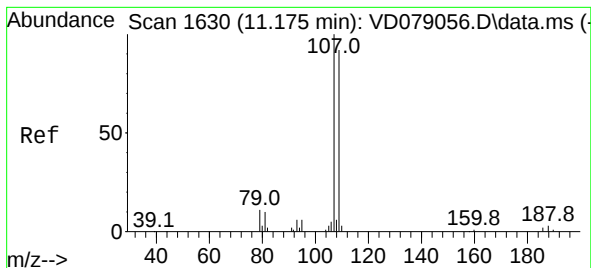
Tgt Ion: 129 Resp: 157025

Ion Ratio Lower Upper

129 100

127 77.2 56.4 104.7





#50

1,2-Dibromoethane

Concen: 40.133 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :

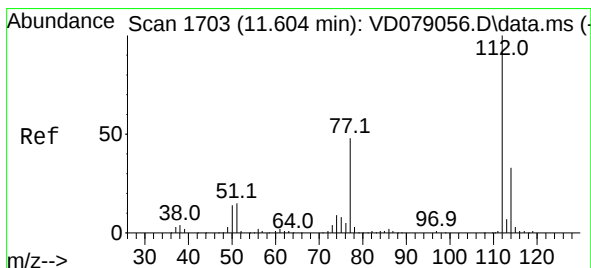
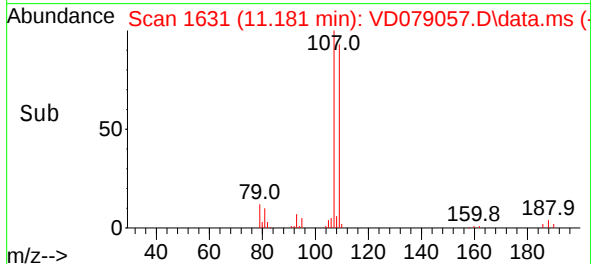
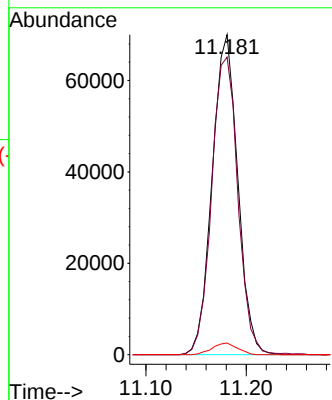
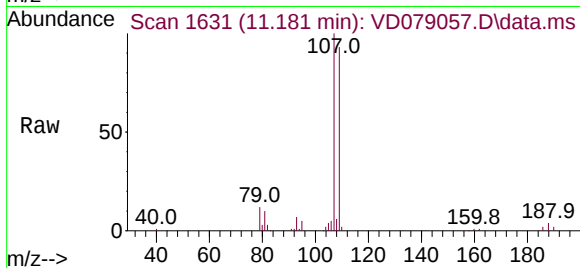
Tgt Ion:107 Resp: 123921

Ion Ratio Lower Upper

107 100

109 93.0 64.5 119.7

188 3.6 2.6 3.8



#51

Chlorobenzene

Concen: 42.202 ug/L

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

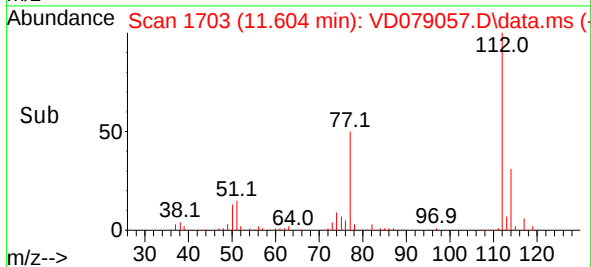
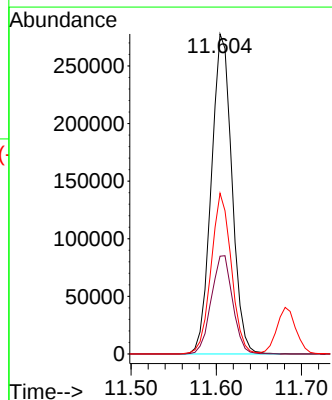
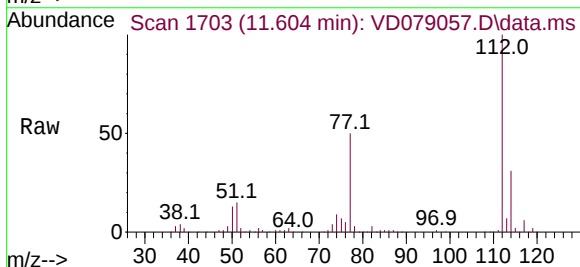
Tgt Ion:112 Resp: 465887

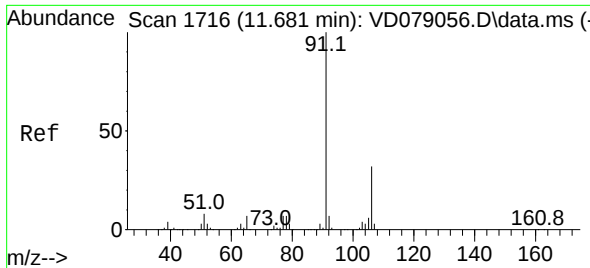
Ion Ratio Lower Upper

112 100

114 30.6 22.7 42.3

77 50.2 38.4 57.6

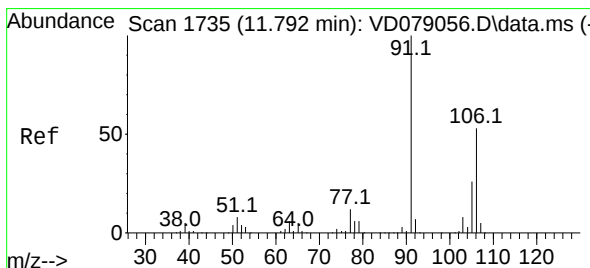
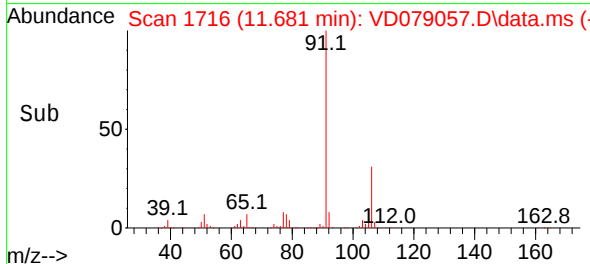
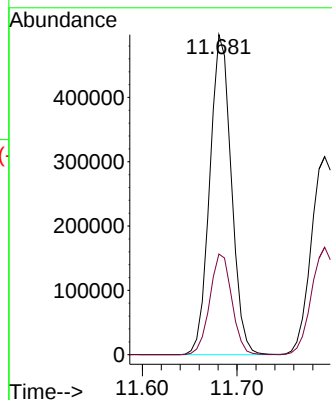
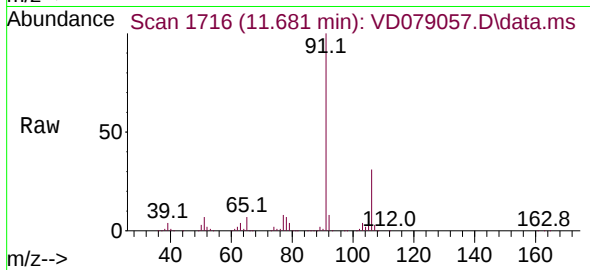




#52
Ethylbenzene
Concen: 46.540 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

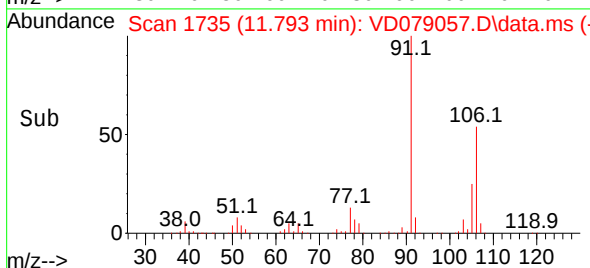
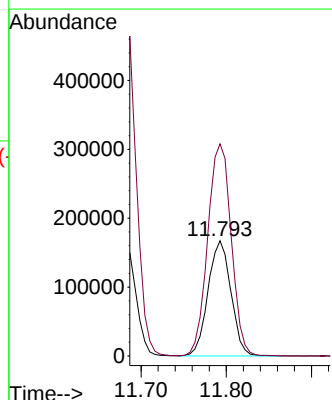
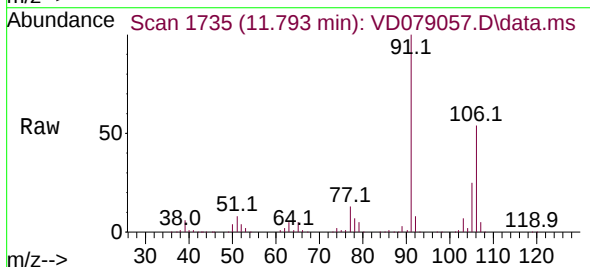
Instrument :
MSVOA_D
ClientSampleId :

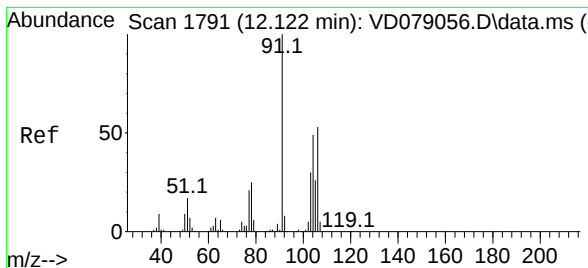
Tgt Ion: 91 Resp: 787345
Ion Ratio Lower Upper
91 100
106 31.4 22.3 41.5



#53
m,p-Xylene
Concen: 46.031 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion:106 Resp: 311905
Ion Ratio Lower Upper
106 100
91 184.2 133.1 247.1

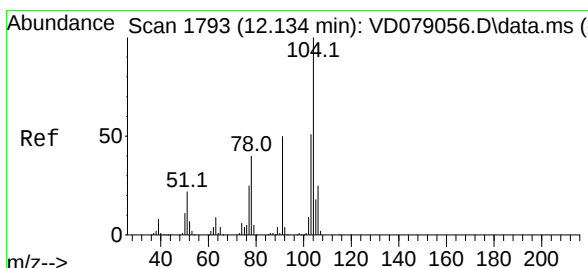
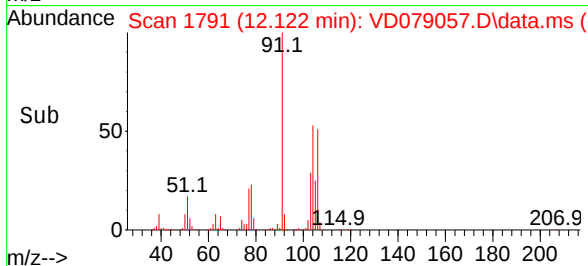
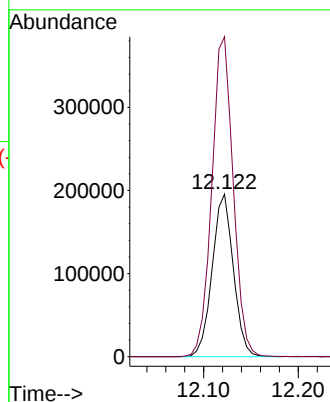
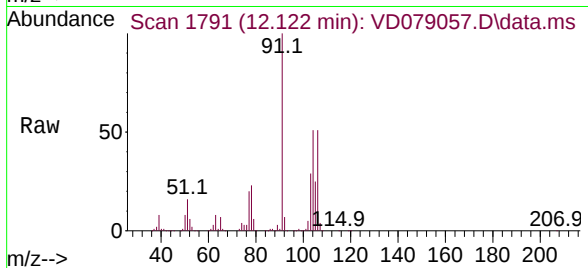




#54
o-Xylene
Concen: 45.976 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

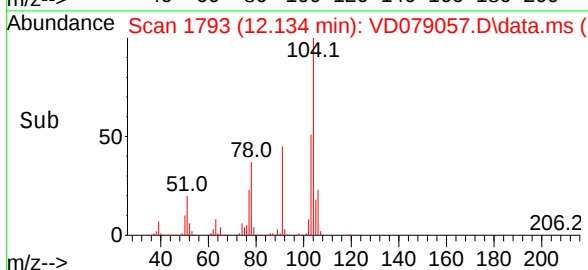
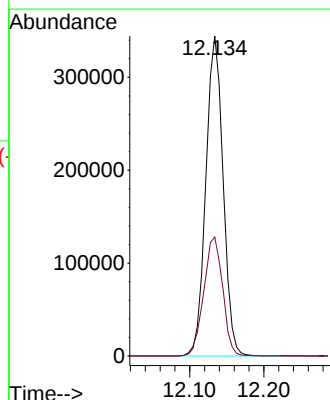
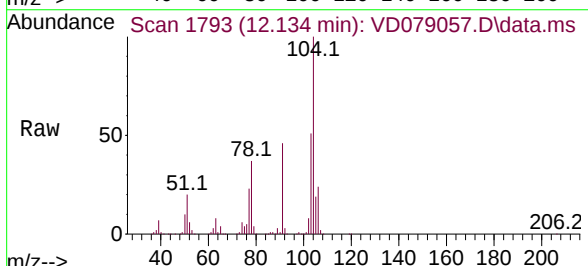
Instrument :
MSVOA_D
ClientSampleId :

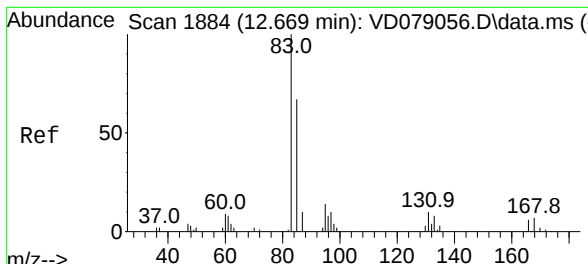
Tgt Ion:106 Resp: 304198
Ion Ratio Lower Upper
106 100
91 196.9 132.9 246.9



#55
Styrene
Concen: 48.242 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion:104 Resp: 557229
Ion Ratio Lower Upper
104 100
78 37.2 27.8 51.6



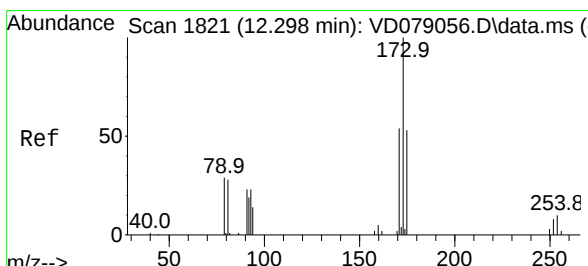
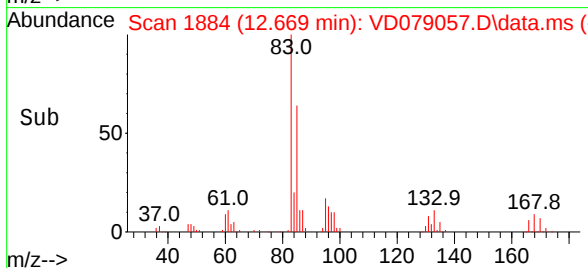
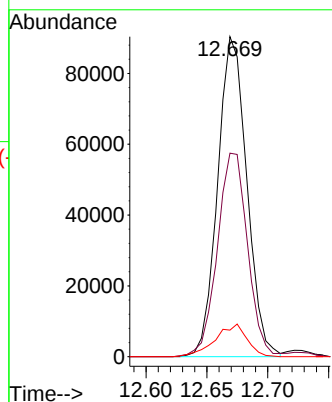
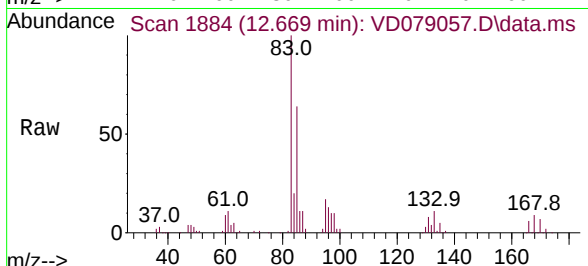


#57
 1,1,2,2-Tetrachloroethane
 Concen: 38.552 ug/L
 RT: 12.669 min Scan# 1884
 Delta R.T. 0.000 min
 Lab File: VD079057.D
 Acq: 29 May 2024 10:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 83 Resp: 150533

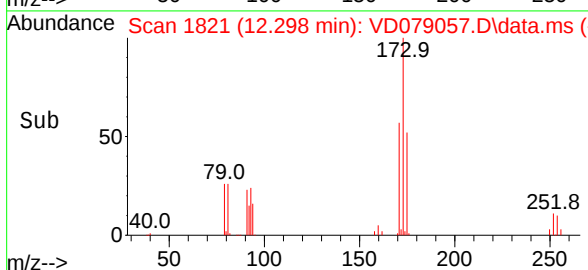
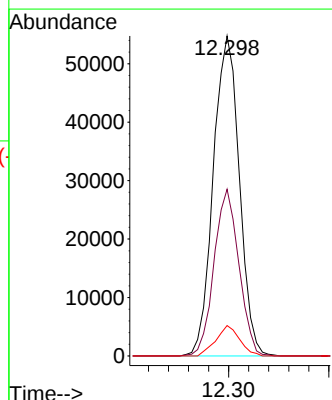
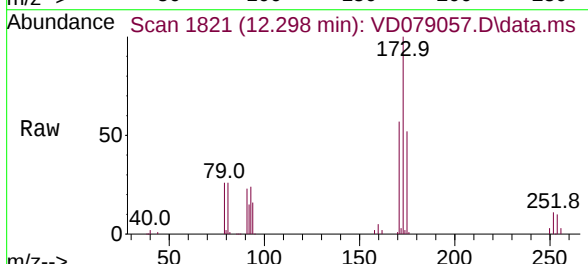
Ion	Ratio	Lower	Upper
83	100		
85	63.6	47.5	88.1
131	8.3	8.6	13.0#

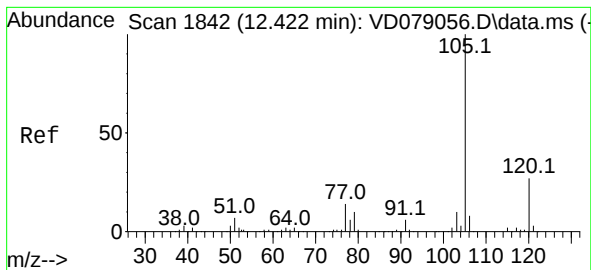


#59
 Bromoform
 Concen: 38.666 ug/L
 RT: 12.298 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: VD079057.D
 Acq: 29 May 2024 10:44

Tgt Ion: 173 Resp: 98625

Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.2	57.4
254	8.7	7.0	10.6





#60

Isopropylbenzene

Concen: 46.941 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :

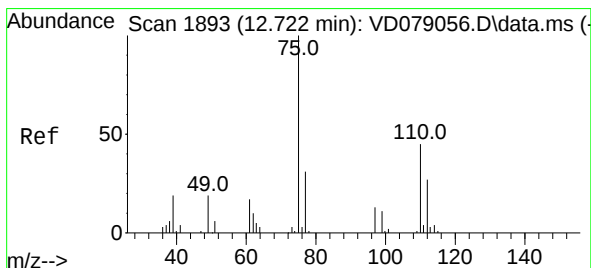
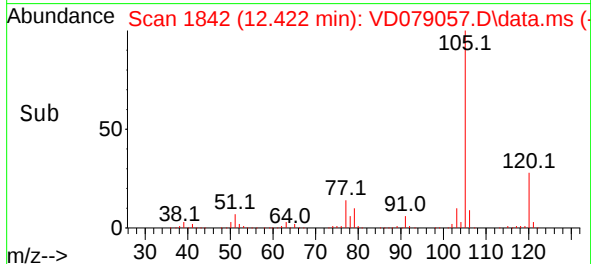
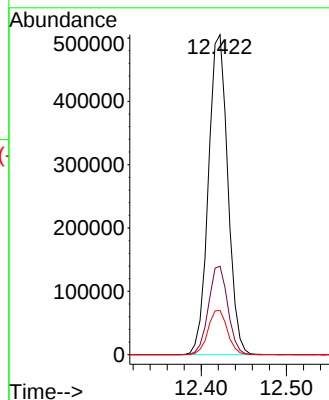
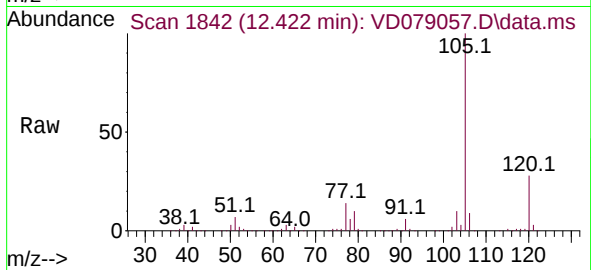
Tgt Ion:105 Resp: 797818

Ion Ratio Lower Upper

105 100

120 27.7 21.9 32.9

77 13.9 10.9 16.3



#61

1,2,3-Trichloropropane

Concen: 38.141 ug/L

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

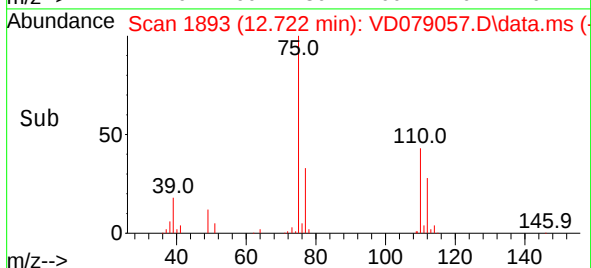
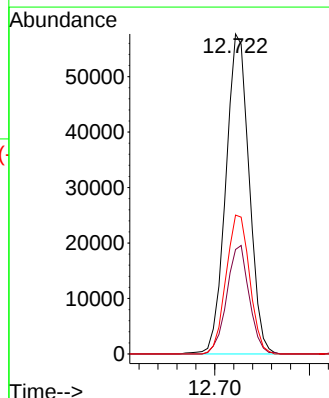
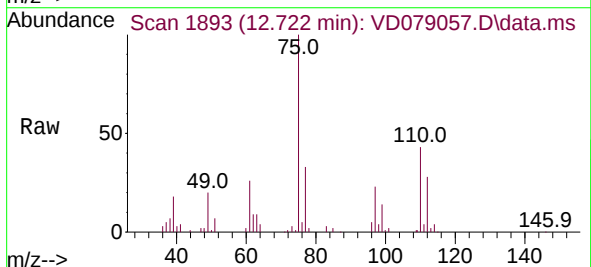
Tgt Ion: 75 Resp: 98621

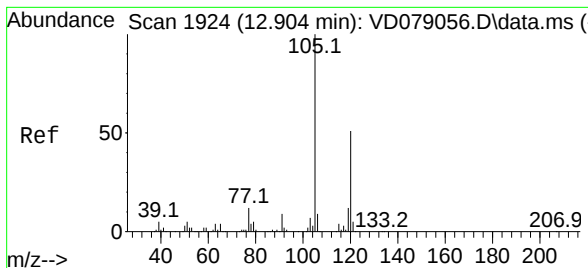
Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9

110 43.8 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 46.353 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

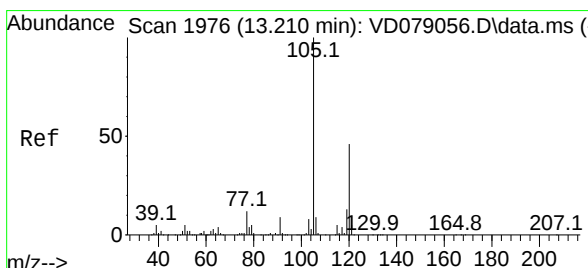
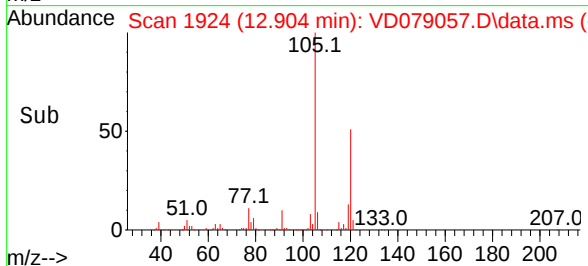
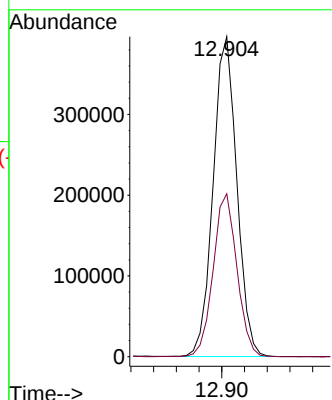
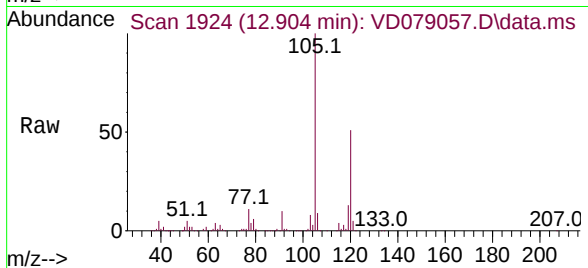
ClientSampleId :

Tgt Ion:105 Resp: 573061

Ion Ratio Lower Upper

105 100

120 51.1 40.7 61.1



#63

1,2,4-Trimethylbenzene

Concen: 48.589 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD079057.D

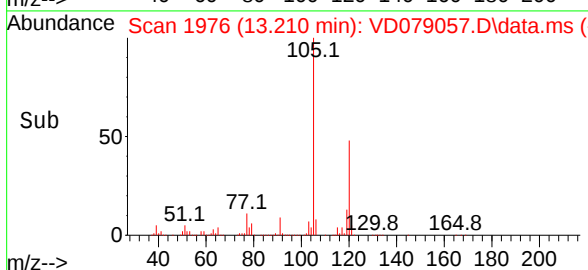
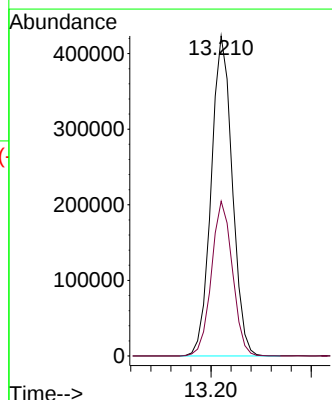
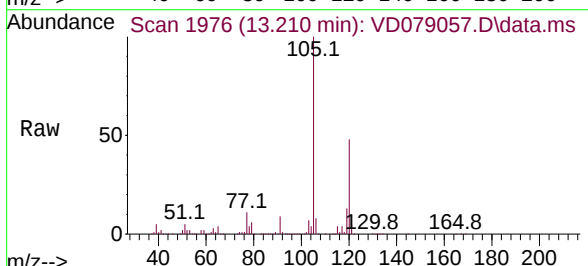
Acq: 29 May 2024 10:44

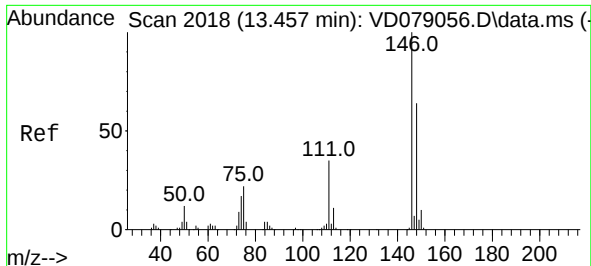
Tgt Ion:105 Resp: 617964

Ion Ratio Lower Upper

105 100

120 48.2 38.0 57.0

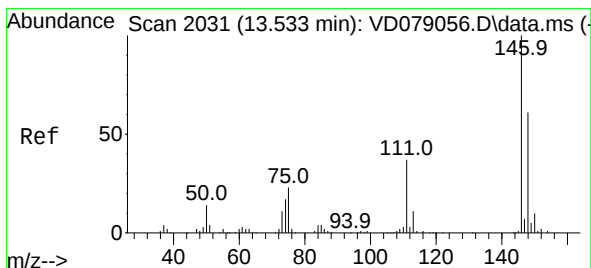
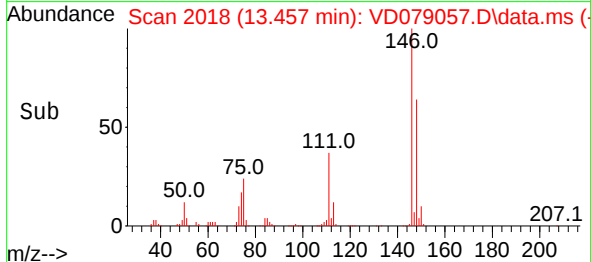
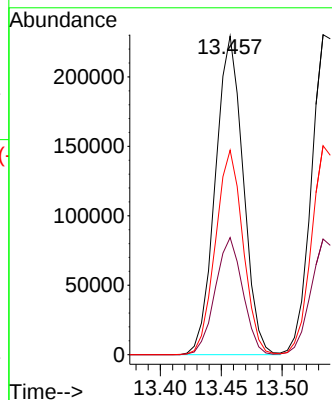
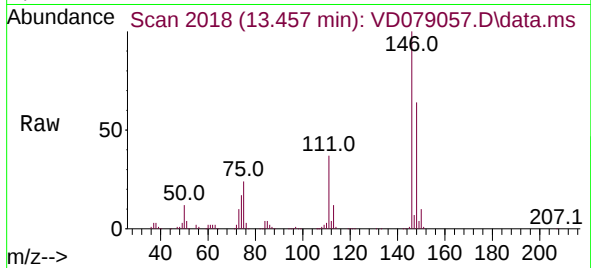




#64
1,3-Dichlorobenzene
Concen: 44.371 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

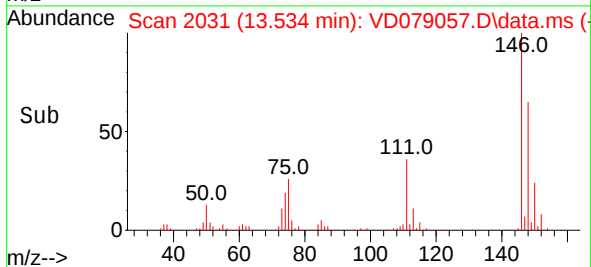
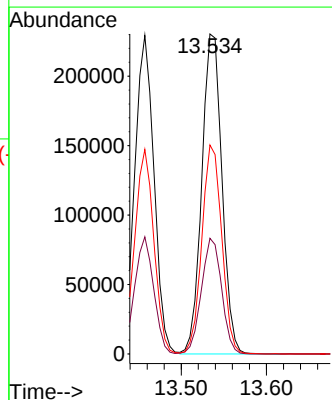
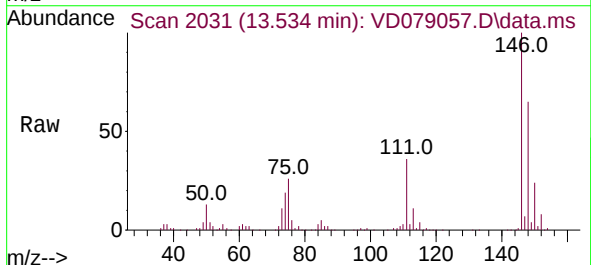
Instrument :
MSVOA_D
ClientSampleId :

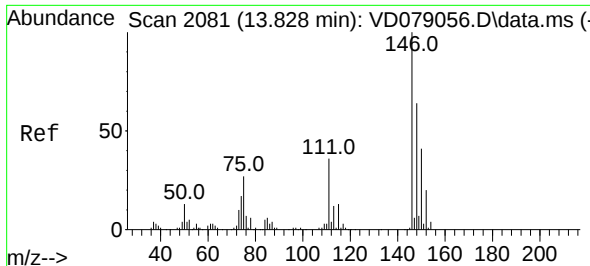
Tgt Ion:146 Resp: 364963
Ion Ratio Lower Upper
146 100
111 36.8 24.4 45.4
148 64.2 44.9 83.3



#65
1,4-Dichlorobenzene
Concen: 42.821 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion:146 Resp: 378986
Ion Ratio Lower Upper
146 100
111 36.2 26.3 48.9
148 65.3 43.1 80.1





#67

1,2-Dichlorobenzene

Concen: 43.961 ug/L

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

Instrument :

MSVOA_D

ClientSampleId :

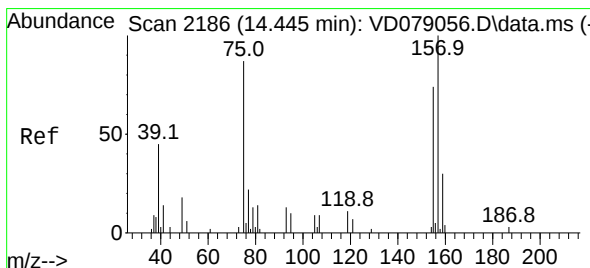
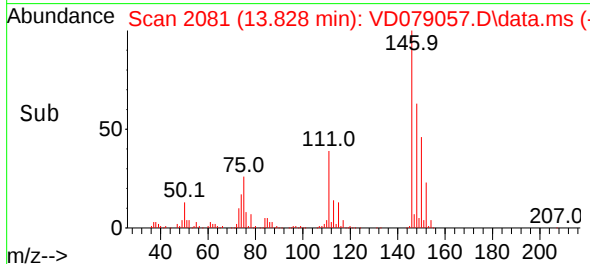
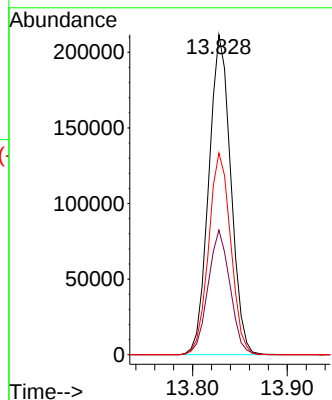
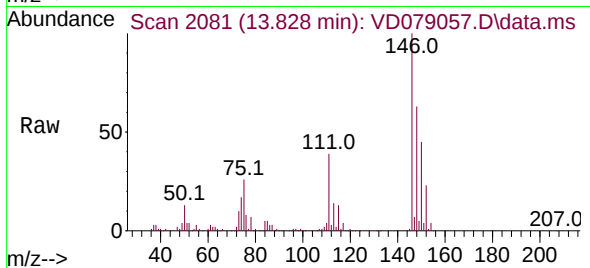
Tgt Ion:146 Resp: 341202

Ion Ratio Lower Upper

146 100

111 39.0 29.1 43.7

148 63.0 51.2 76.8



#68

1,2-Dibromo-3-chloropropane

Concen: 38.263 ug/L

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD079057.D

Acq: 29 May 2024 10:44

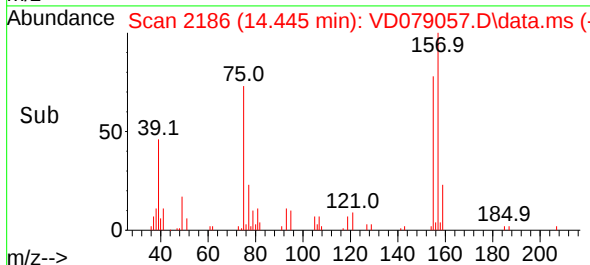
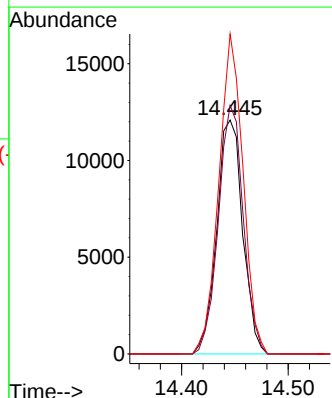
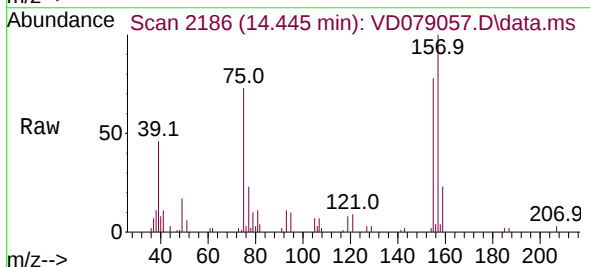
Tgt Ion: 75 Resp: 20435

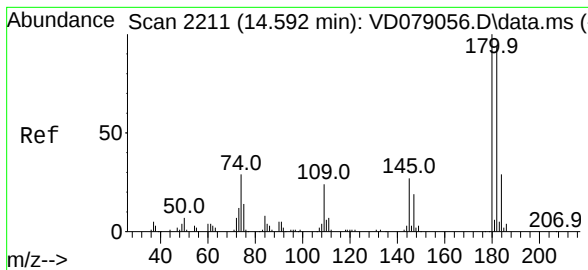
Ion Ratio Lower Upper

75 100

155 106.3 68.1 102.1#

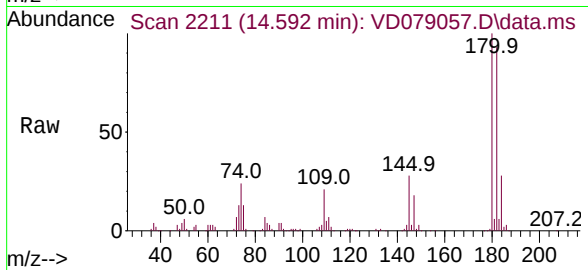
157 136.8 91.6 137.4



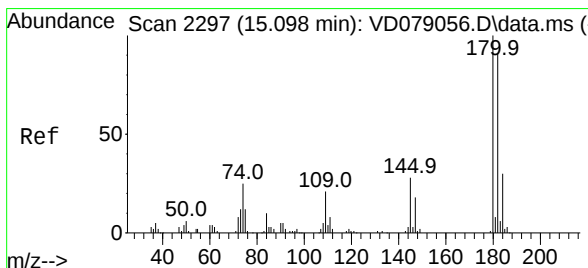
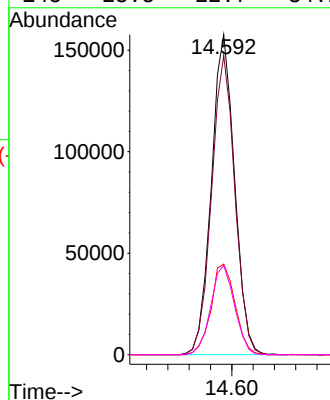
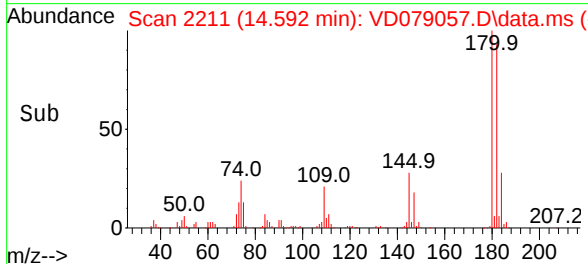


#69
 1,3,5-Trichlorobenzene
 Concen: 44.511 ug/L
 RT: 14.592 min Scan# 2211
 Delta R.T. 0.000 min
 Lab File: VD079057.D
 Acq: 29 May 2024 10:44

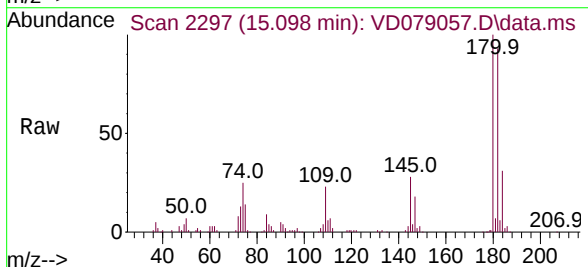
Instrument :
 MSVOA_D
 ClientSampleId :



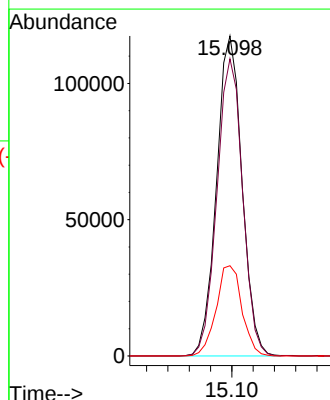
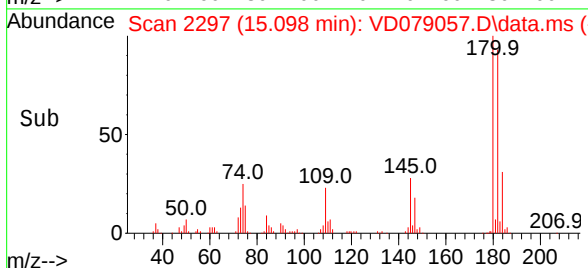
Tgt Ion:180 Resp: 237534
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.9 115.3
 184 29.5 23.3 34.9
 145 28.5 22.7 34.1

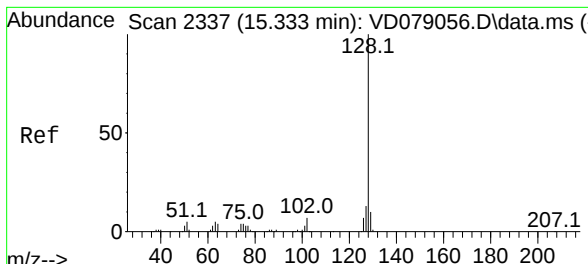


#70
 1,2,4-trichlorobenzene
 Concen: 43.226 ug/L
 RT: 15.098 min Scan# 2297
 Delta R.T. 0.000 min
 Lab File: VD079057.D
 Acq: 29 May 2024 10:44



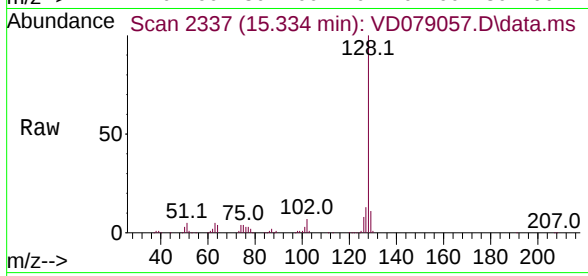
Tgt Ion:180 Resp: 194946
 Ion Ratio Lower Upper
 180 100
 182 93.2 73.8 110.6
 145 28.5 22.3 33.5





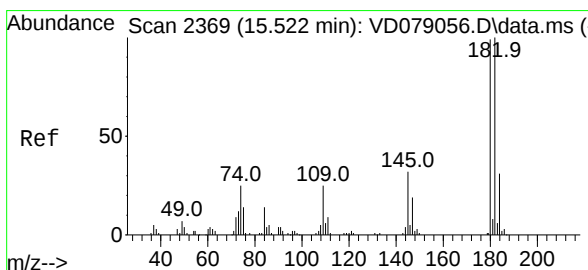
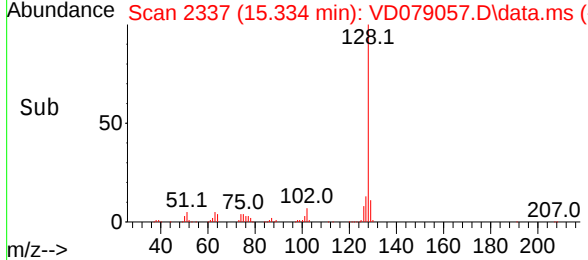
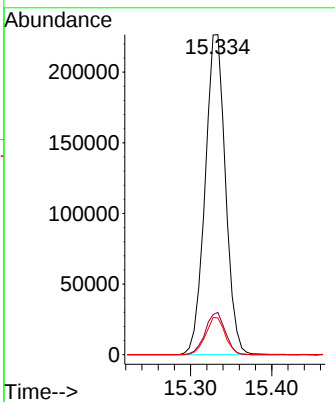
#71
Naphthalene
Concen: 43.588 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 395177

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	11.2	8.5	12.7



#72
1,2,3-Trichlorobenzene
Concen: 43.285 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD079057.D
Acq: 29 May 2024 10:44

Tgt Ion:180 Resp: 180387

Ion	Ratio	Lower	Upper
180	100		
182	95.8	79.4	119.2
145	30.8	24.7	37.1

