

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022323\
 Data File : VD075414.D
 Acq On : 23 Feb 2023 15:19
 Operator : KP/SY
 Sample : VSTD02507
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025107

Quant Time: Feb 23 23:40:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM022323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 23 23:38:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	90365	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	81358	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	41348	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	40693	22.730	ug/L	0.00
7) Chloroethane-d5	2.805	69	34648	22.887	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	63	63912	23.913	ug/L	0.00
21) 2-Butanone-d5	6.981	46	12875	48.224	ug/L	0.00
24) Chloroform-d	7.569	84	61052	23.437	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.228	65	30104	23.363	ug/L	0.00
32) Benzene-d6	8.199	84	118428	23.317	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	34454	22.822	ug/L	0.00
41) Toluene-d8	10.269	98	110338	24.028	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.528	79	14379	23.651	ug/L	0.00
47) 2-Hexanone-d5	10.875	63	9427	47.439	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	25052	23.477	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	31953	21.891	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	42592	24.574	ug/L	100
3) Chloromethane	2.146	50	48746	23.534	ug/L	100
5) Vinyl chloride	2.281	62	56434	24.509	ug/L	100
6) Bromomethane	2.693	94	28032	24.458	ug/L	100
8) Chloroethane	2.840	64	33887	24.159	ug/L	100
9) Trichlorofluoromethane	3.175	101	64757	24.864	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	39556	25.297	ug/L	100
12) 1,1-Dichloroethene	3.940	96	33736	25.063	ug/L	100
13) Acetone	4.028	43	17773	49.112	ug/L	100
14) Carbon disulfide	4.275	76	104097	23.988	ug/L	100
15) Methyl Acetate	4.563	43	14296	25.720	ug/L	100
16) Methylene chloride	4.799	84	38829	21.488	ug/L	100
17) trans-1,2-Dichloroethene	5.316	96	36171	26.070	ug/L	100
18) Methyl tert-butyl Ether	5.316	73	73529	25.975	ug/L	100
19) 1,1-Dichloroethane	6.116	63	66822	25.008	ug/L	100
20) cis-1,2-Dichloroethene	7.075	96	38643	26.093	ug/L	100
22) 2-Butanone	7.075	43	21246	50.450	ug/L	100
23) Bromochloromethane	7.428	128	17023	25.972	ug/L	100
25) Chloroform	7.593	83	69465	25.334	ug/L	100
27) 1,2-Dichloroethane	8.322	62	43130	25.024	ug/L	100
29) Cyclohexane	7.875	56	57225	25.685	ug/L	100
30) 1,1,1-Trichloroethane	7.793	97	61303	24.775	ug/L	100
31) Carbon tetrachloride	7.993	117	53998	25.416	ug/L	100
33) Benzene	8.251	78	145219	24.904	ug/L	100
34) Trichloroethene	9.028	95	38146	24.605	ug/L	100
35) Methylcyclohexane	9.275	83	63347	25.506	ug/L	100
37) 1,2-Dichloropropane	9.304	63	38406	25.270	ug/L	100
38) Bromodichloromethane	9.581	83	49004	24.923	ug/L	100
39) cis-1,3-Dichloropropene	10.016	75	56931	25.810	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	42362	51.871	ug/L	100
42) Toluene	10.334	91	157833	25.550	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	47781	26.040	ug/L	100

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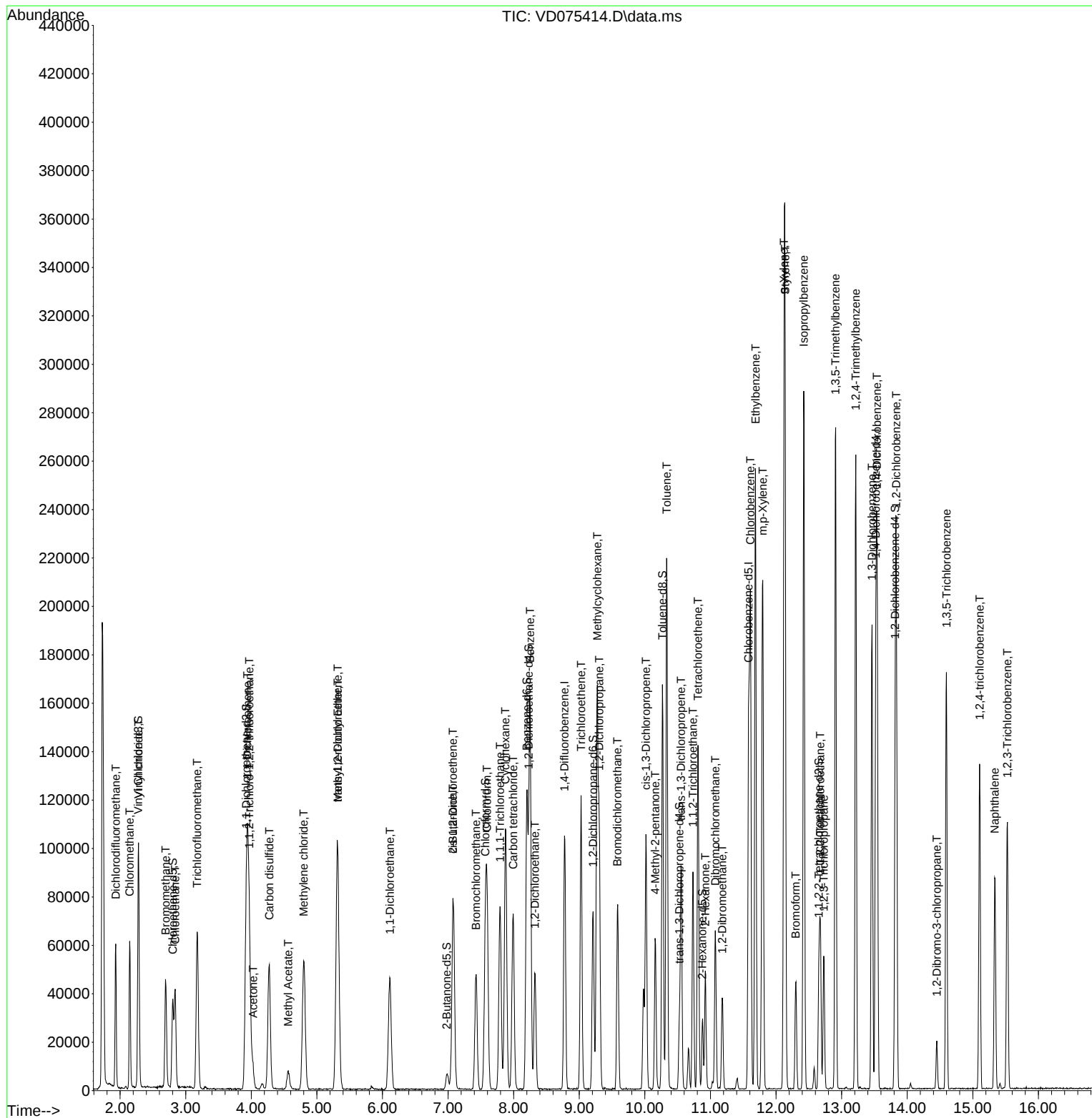
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.734	97	26404	24.864	ug/L	100
46) Tetrachloroethene	10.810	164	30974	25.322	ug/L	100
48) 2-Hexanone	10.922	43	31268	51.747	ug/L	100
49) Dibromochloromethane	11.075	129	31547	25.270	ug/L	100
50) 1,2-Dibromoethane	11.181	107	24112	24.572	ug/L	100
51) Chlorobenzene	11.610	112	99312	25.349	ug/L	100
52) Ethylbenzene	11.687	91	176354	25.843	ug/L	100
53) m,p-Xylene	11.798	106	66969	26.027	ug/L	100
54) o-Xylene	12.122	106	63712	26.191	ug/L	100
55) Styrene	12.140	104	110405	26.122	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.675	83	30038	25.460	ug/L	100
59) Bromoform	12.298	173	18816	24.593	ug/L	100
60) Isopropylbenzene	12.422	105	178204	25.666	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	20593	25.246	ug/L	100
62) 1,3,5-Trimethylbenzene	12.904	105	140501	25.825	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	137081	26.137	ug/L	100
64) 1,3-Dichlorobenzene	13.463	146	75224	24.892	ug/L	100
65) 1,4-Dichlorobenzene	13.539	146	75714	24.547	ug/L	100
67) 1,2-Dichlorobenzene	13.834	146	66626	25.149	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.451	75	4635	25.221	ug/L	100
69) 1,3,5-Trichlorobenzene	14.598	180	49550	24.874	ug/L	100
70) 1,2,4-trichlorobenzene	15.104	180	39969	24.940	ug/L	100
71) Naphthalene	15.333	128	73995	25.538	ug/L	100
72) 1,2,3-Trichlorobenzene	15.528	180	35684	25.819	ug/L	100

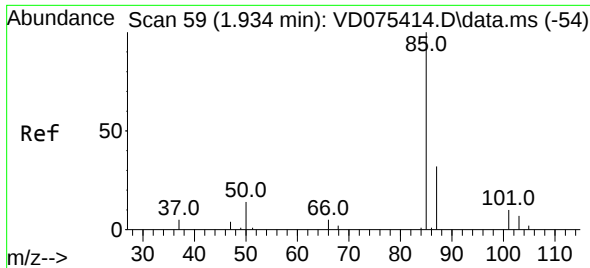
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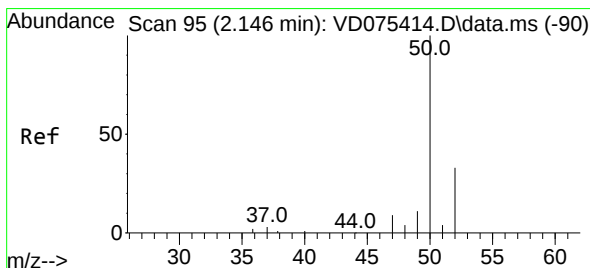
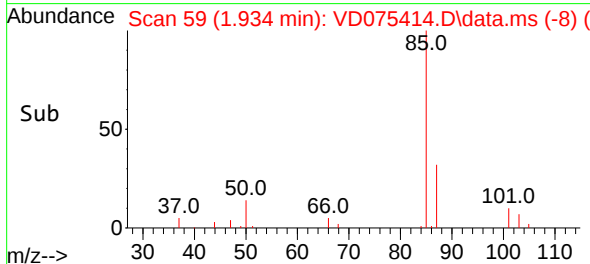
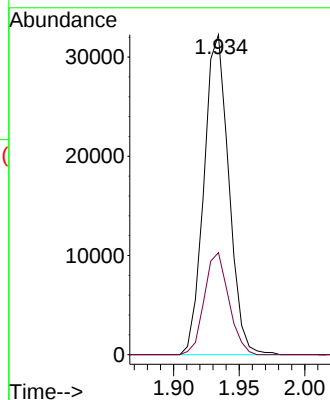
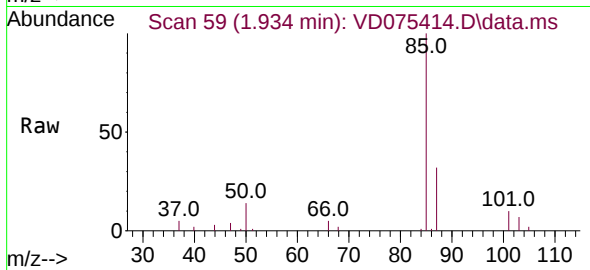




#2
Dichlorodifluoromethane
Concen: 24.574 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

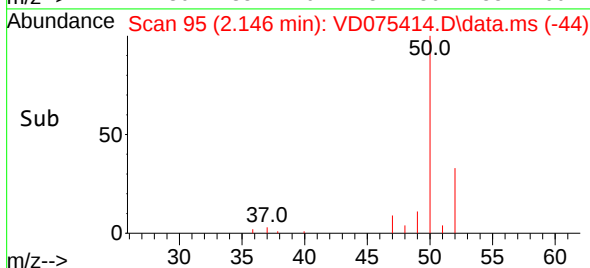
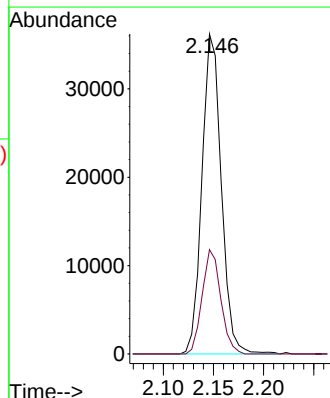
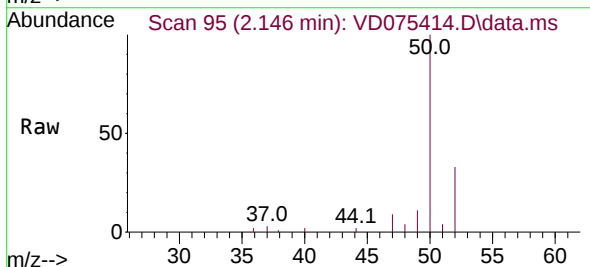
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

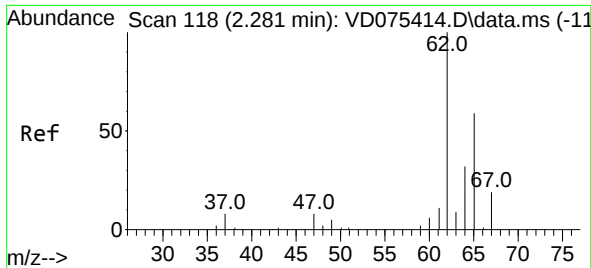
Tgt Ion: 85 Resp: 42592
Ion Ratio Lower Upper
85 100
87 31.4 25.1 37.7



#3
Chloromethane
Concen: 23.534 ug/L
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion: 50 Resp: 48746
Ion Ratio Lower Upper
50 100
52 32.6 22.8 42.4

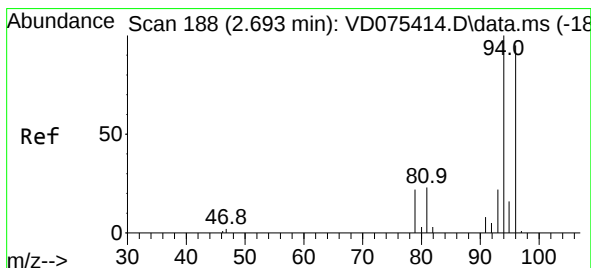
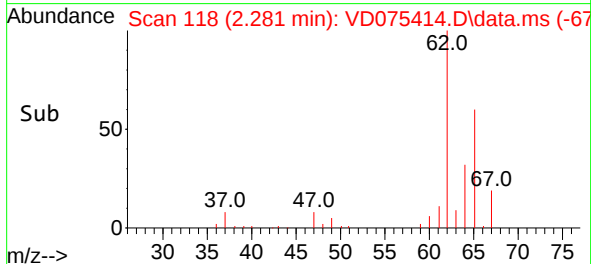
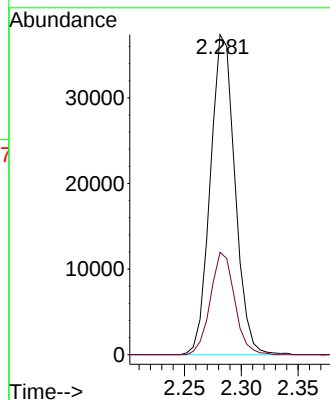
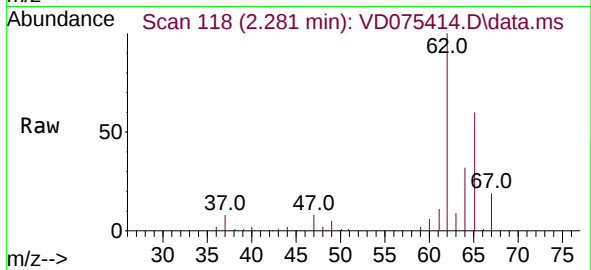




#5
 Vinyl chloride
 Concen: 24.509 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD075414.D
 Acq: 23 Feb 2023 15:19

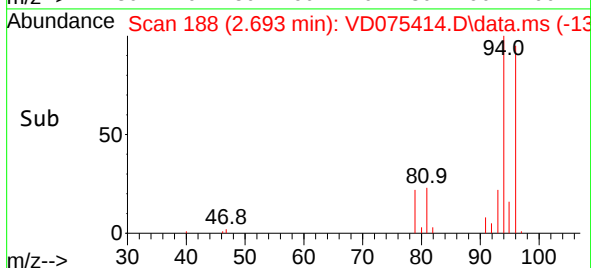
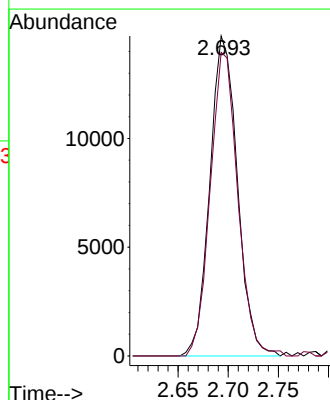
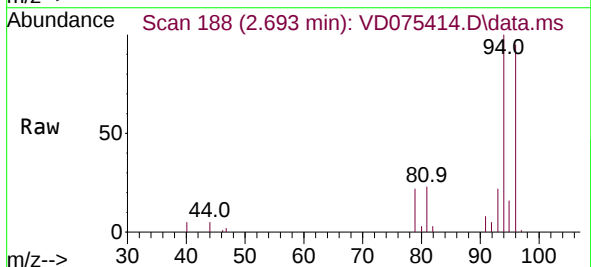
Instrument :
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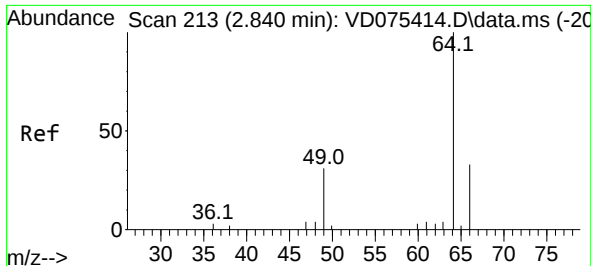
Tgt Ion: 62 Resp: 56434
 Ion Ratio Lower Upper
 62 100
 64 32.0 22.4 41.6



#6
 Bromomethane
 Concen: 24.458 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD075414.D
 Acq: 23 Feb 2023 15:19

Tgt Ion: 94 Resp: 28032
 Ion Ratio Lower Upper
 94 100
 96 94.9 66.4 123.4

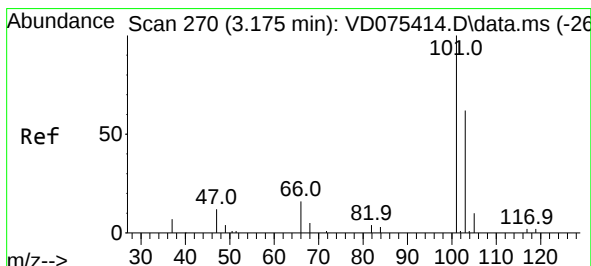
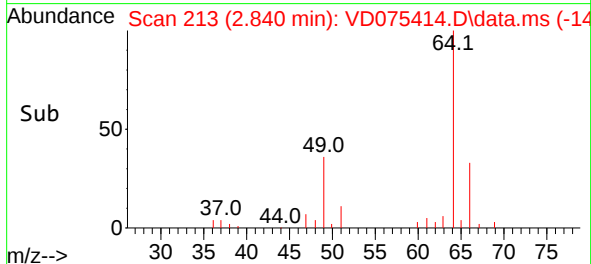
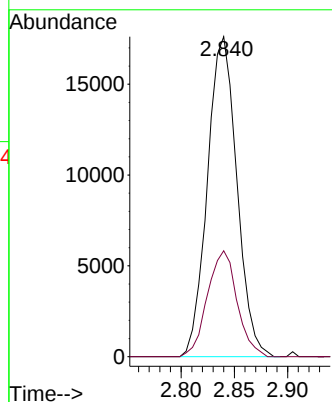
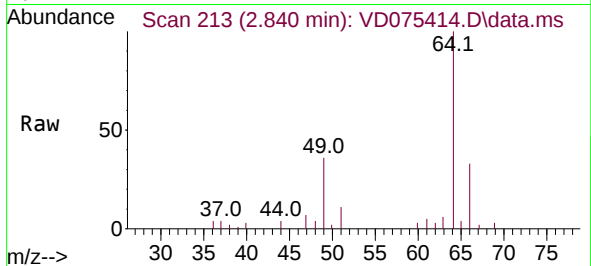




#8
Chloroethane
Concen: 24.159 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

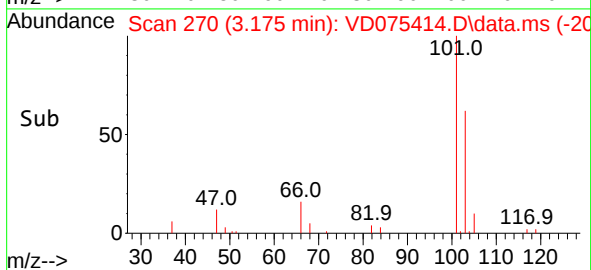
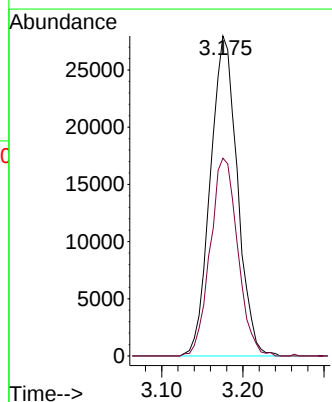
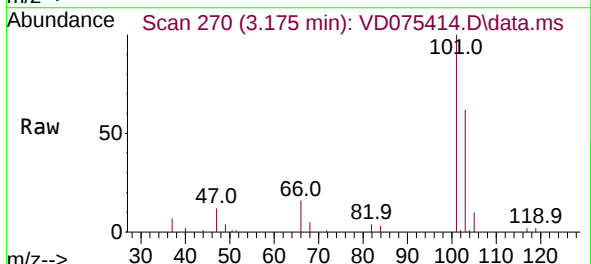
Instrument :
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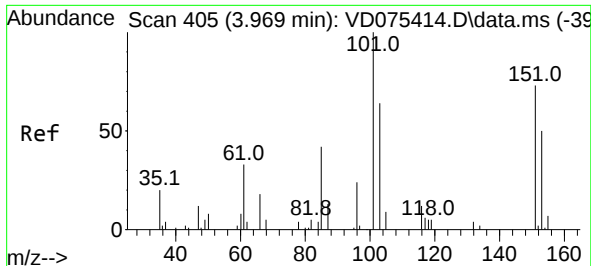
Tgt Ion: 64 Resp: 33887
Ion Ratio Lower Upper
64 100
66 33.1 23.2 43.0



#9
Trichlorofluoromethane
Concen: 24.864 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion:101 Resp: 64757
Ion Ratio Lower Upper
101 100
103 62.7 50.2 75.2





#10

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

Concen: 25.297 ug/L

RT: 3.969 min Scan# 405

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

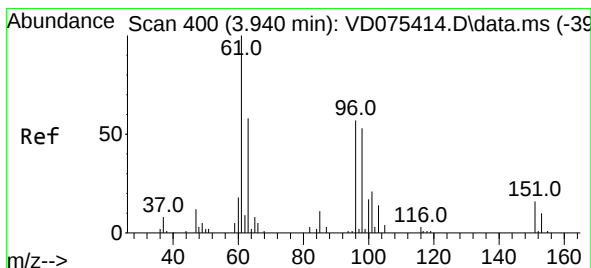
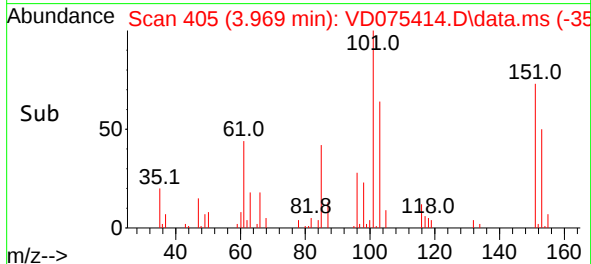
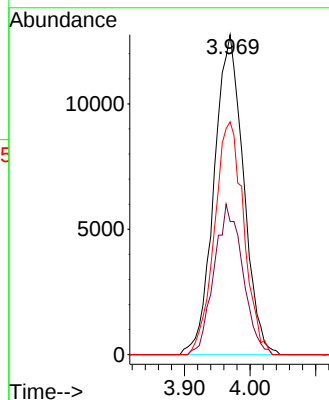
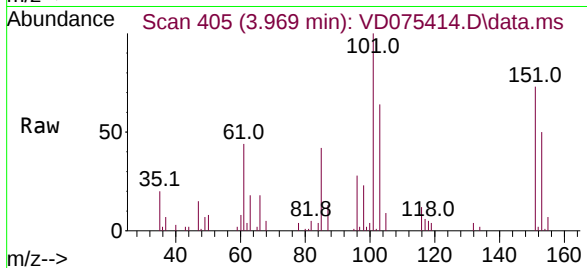
Tgt Ion:101 Resp: 39556

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

151 72.7 58.2 87.2



#12

1,1-Dichloroethene

Concen: 25.063 ug/L

RT: 3.940 min Scan# 400

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

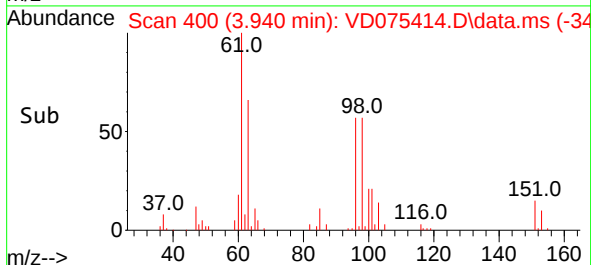
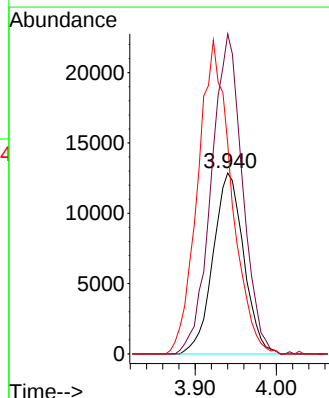
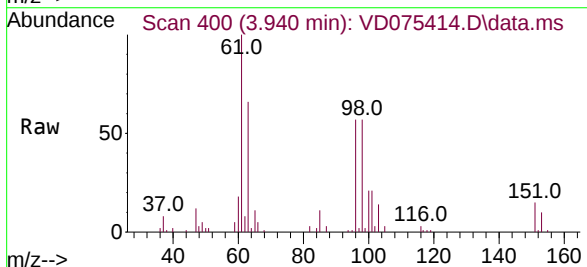
Tgt Ion: 96 Resp: 33736

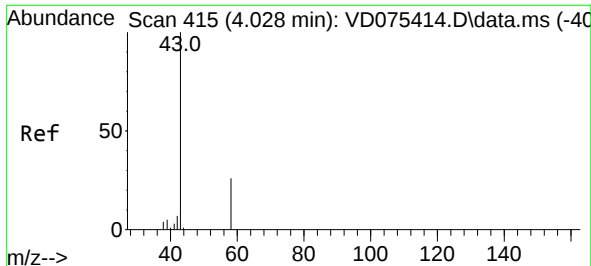
Ion Ratio Lower Upper

96 100

61 176.8 123.8 229.8

63 116.1 81.3 150.9





#13

Acetone

Concen: 49.112 ug/L

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

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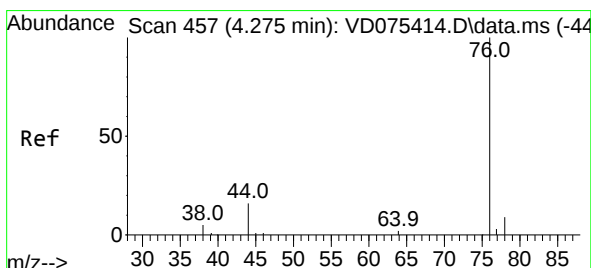
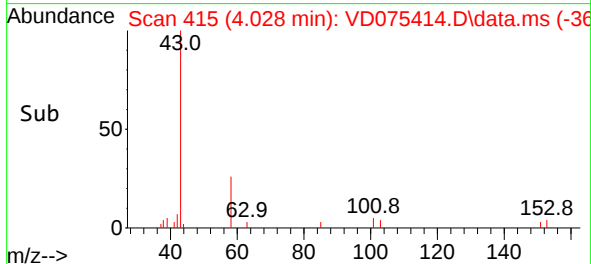
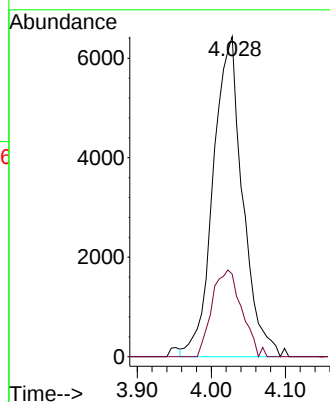
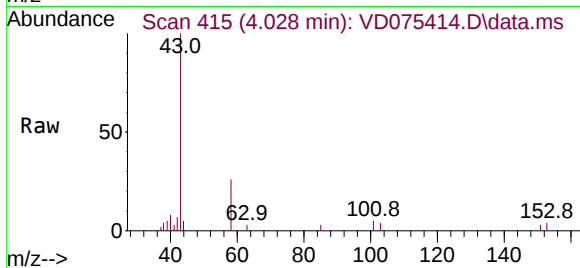
VSTD025107

Tgt Ion: 43 Resp: 17773

Ion Ratio Lower Upper

43 100

58 26.9 0.0 53.8



#14

Carbon disulfide

Concen: 23.988 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD075414.D

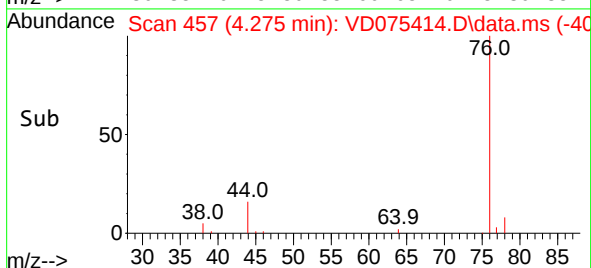
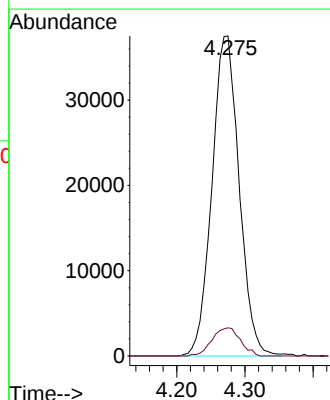
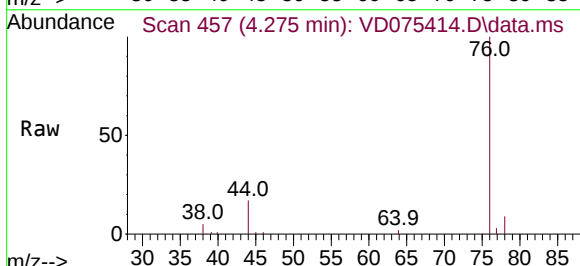
Acq: 23 Feb 2023 15:19

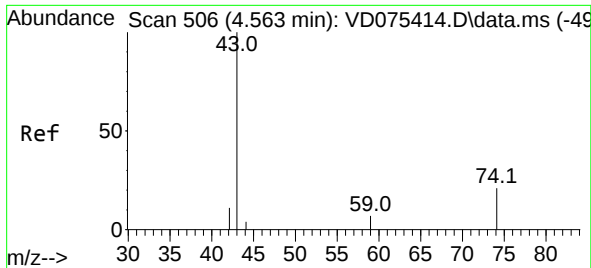
Tgt Ion: 76 Resp: 104097

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

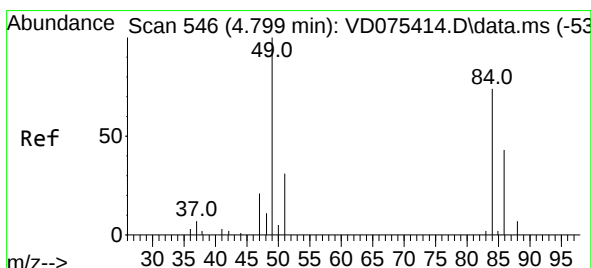
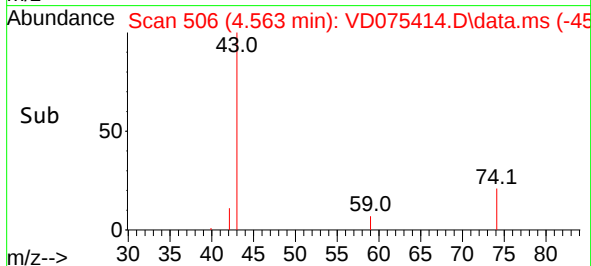
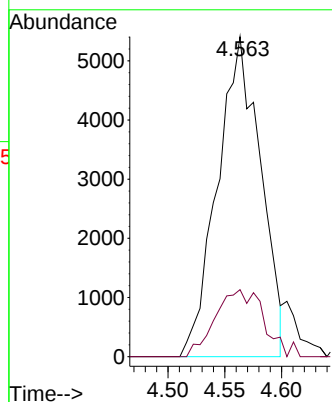
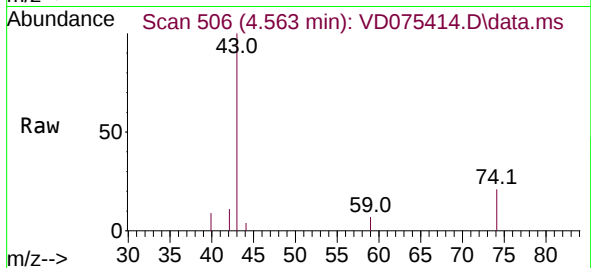




#15
Methyl Acetate
Concen: 25.720 ug/L
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

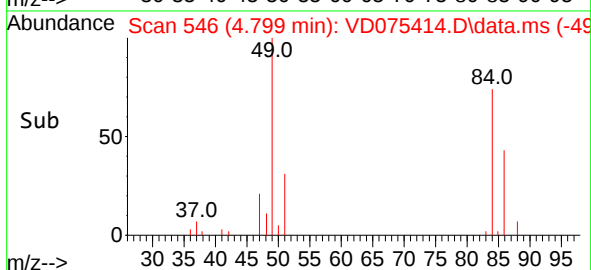
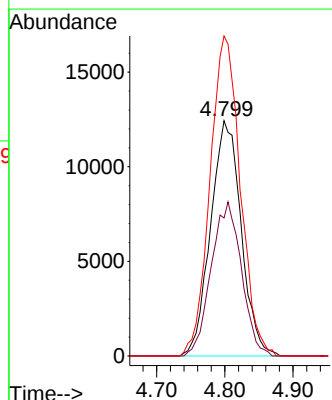
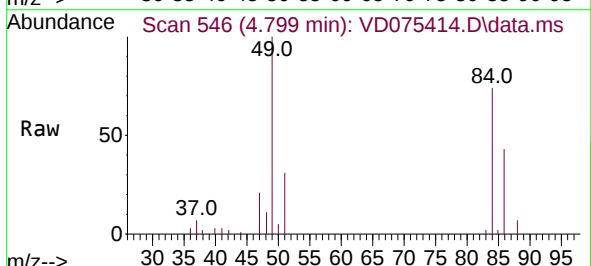
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

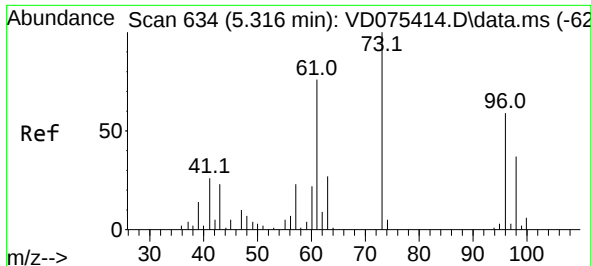
Tgt Ion: 43 Resp: 14296
Ion Ratio Lower Upper
43 100
74 15.5 12.4 18.6



#16
Methylene chloride
Concen: 21.488 ug/L
RT: 4.799 min Scan# 546
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion: 84 Resp: 38829
Ion Ratio Lower Upper
84 100
86 58.6 41.0 76.2
49 136.0 95.2 176.8

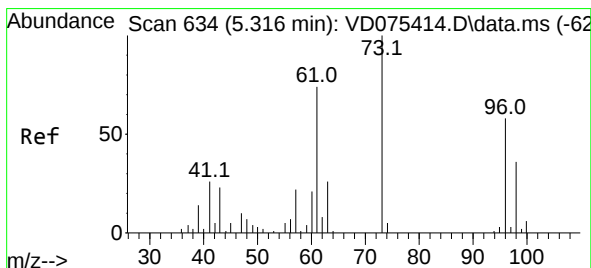
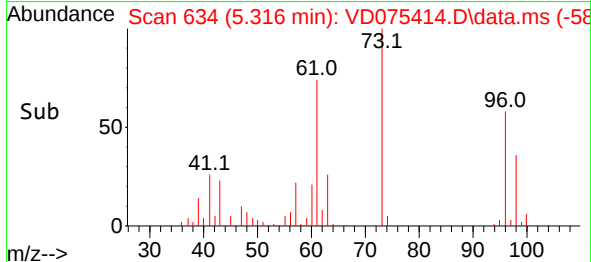
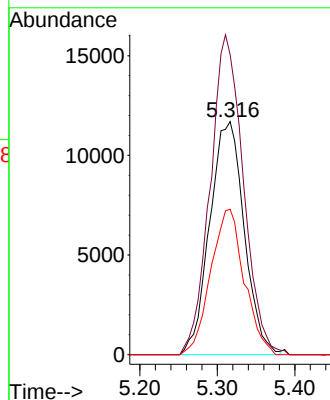
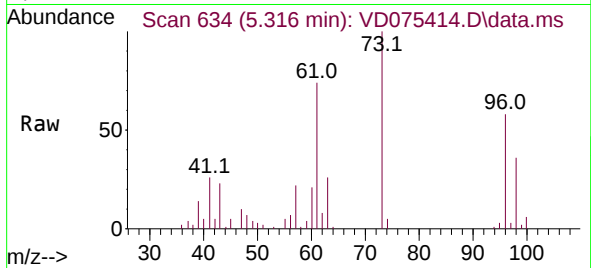




#17
trans-1,2-Dichloroethene
Concen: 26.070 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

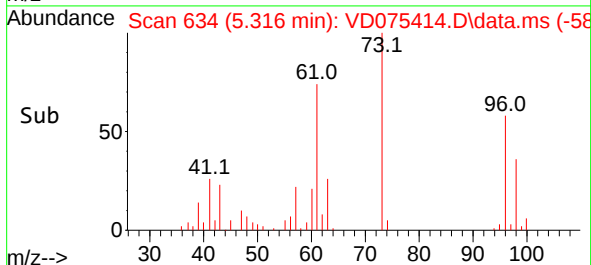
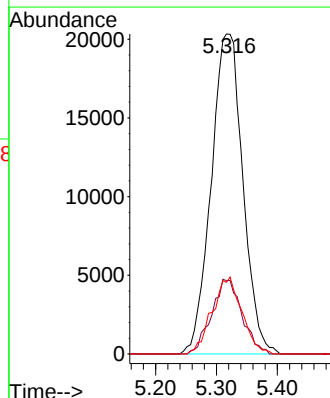
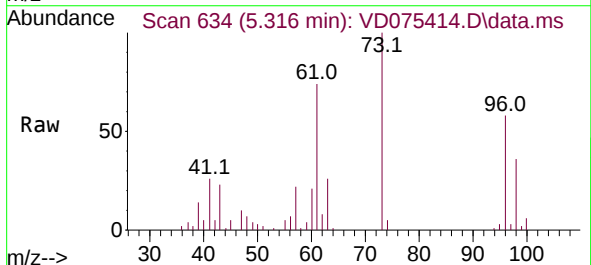
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

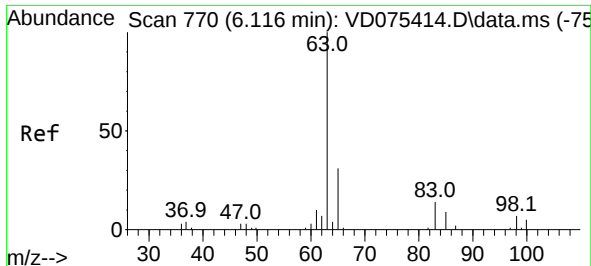
Tgt Ion: 96 Resp: 36171
Ion Ratio Lower Upper
96 100
61 128.8 90.2 167.4
98 62.4 43.7 81.1



#18
Methyl tert-butyl Ether
Concen: 25.975 ug/L
RT: 5.316 min Scan# 634
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion: 73 Resp: 73529
Ion Ratio Lower Upper
73 100
43 22.2 17.8 26.6
57 22.5 18.0 27.0





#19

1,1-Dichloroethane

Concen: 25.008 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

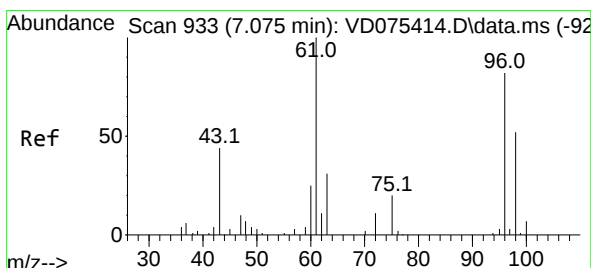
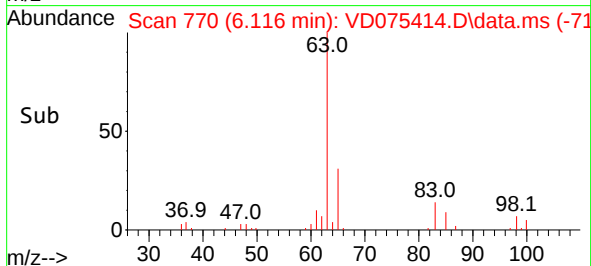
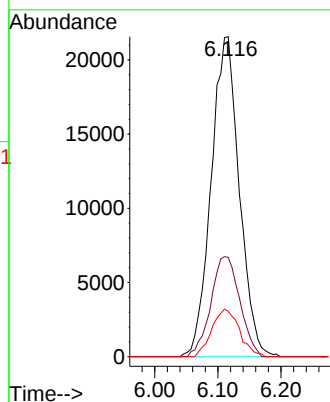
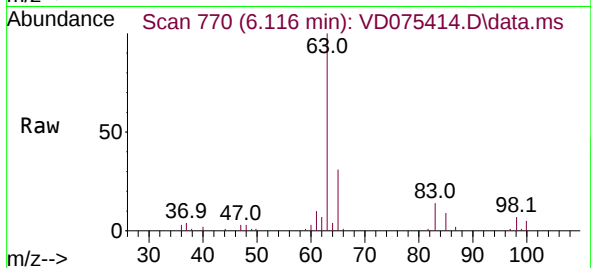
Tgt Ion: 63 Resp: 66822

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.4

83 14.2 9.9 18.5



#20

cis-1,2-Dichloroethene

Concen: 26.093 ug/L

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

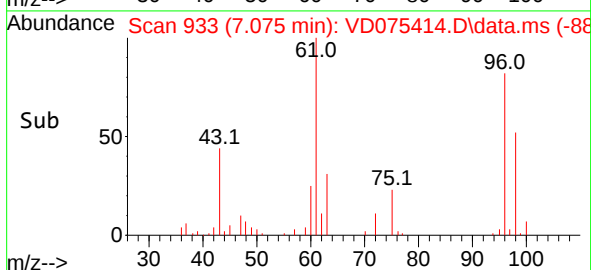
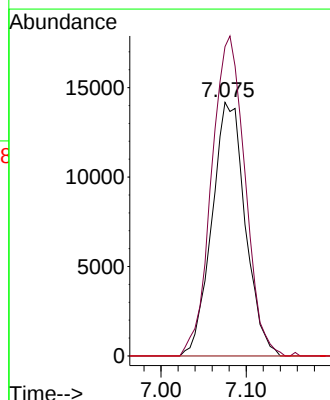
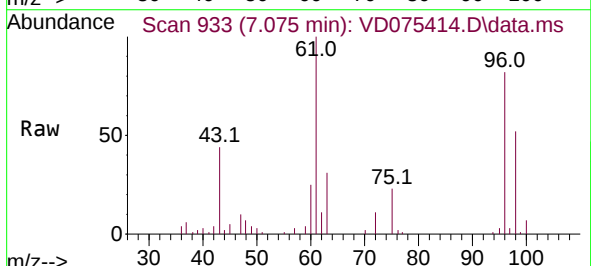
Tgt Ion: 96 Resp: 38643

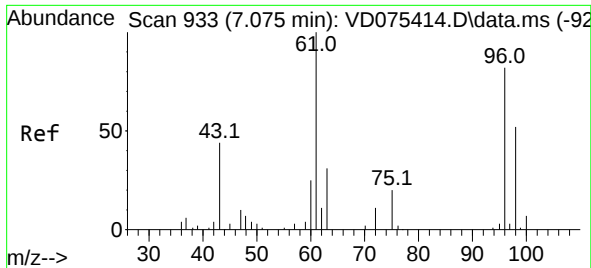
Ion Ratio Lower Upper

96 100

61 121.9 85.3 158.5

68 0.0 0.0 0.0

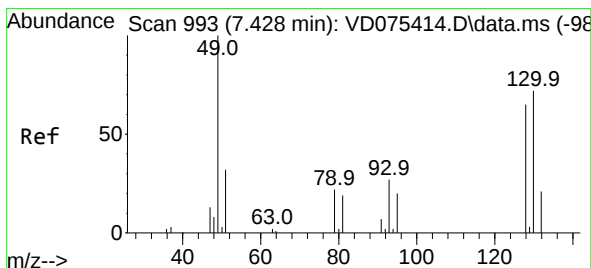
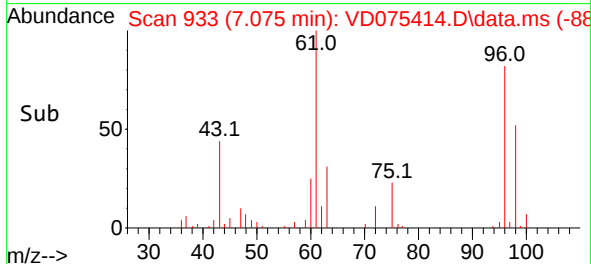
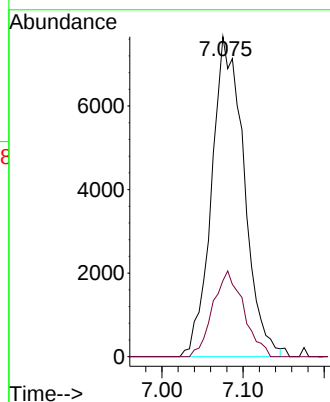
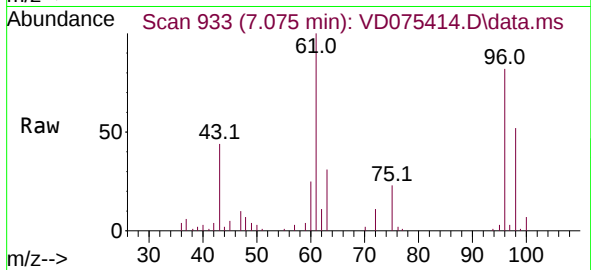




#22
2-Butanone
Concen: 50.450 ug/L
RT: 7.075 min Scan# 911
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

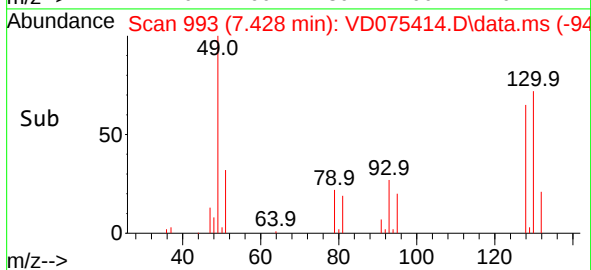
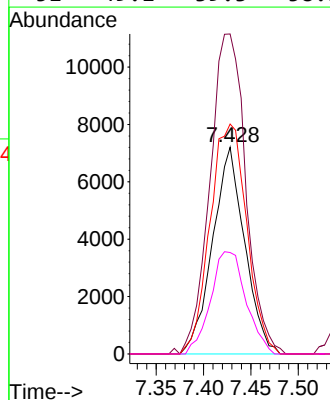
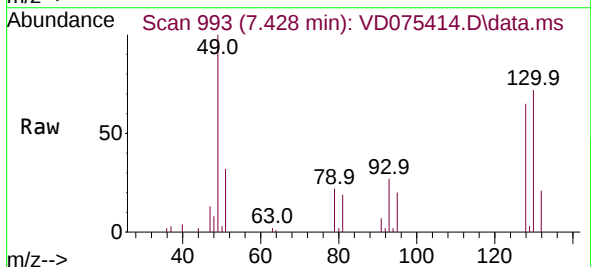
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

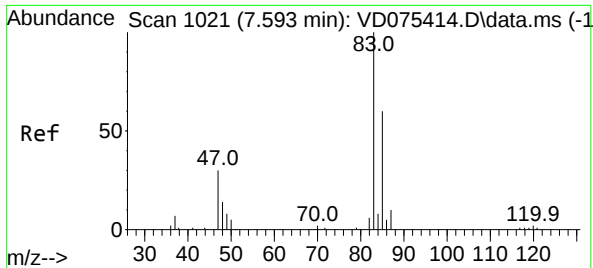
Tgt Ion: 43 Resp: 21246
Ion Ratio Lower Upper
43 100
72 25.5 12.8 38.3



#23
Bromochloromethane
Concen: 25.972 ug/L
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion: 128 Resp: 17023
Ion Ratio Lower Upper
128 100
49 154.8 108.4 201.2
130 111.3 77.9 144.7
51 49.1 39.3 58.9

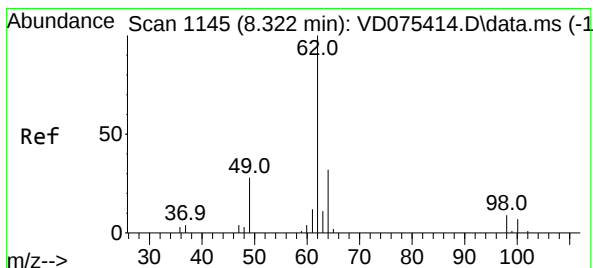
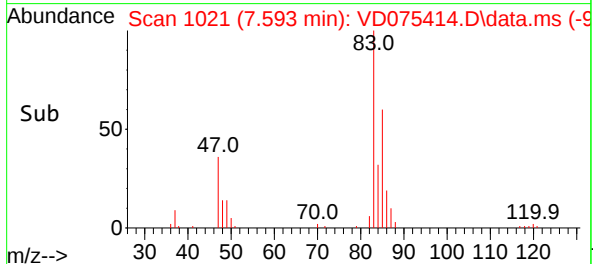
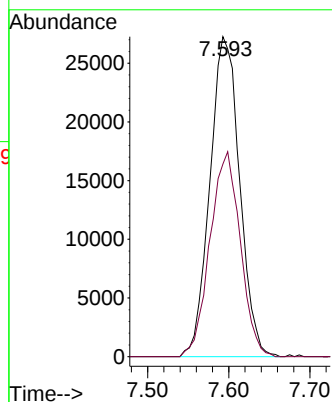
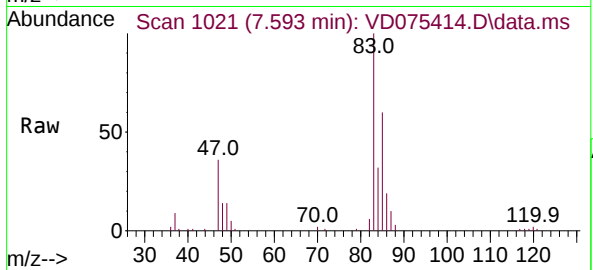




#25
Chloroform
Concen: 25.334 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

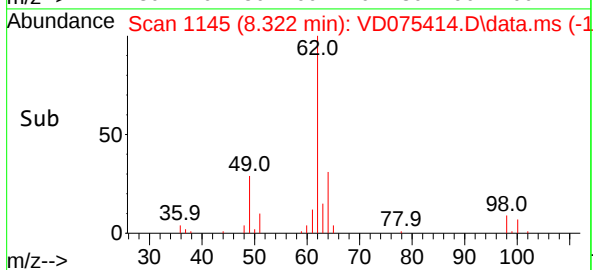
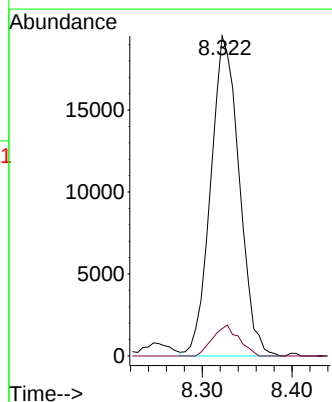
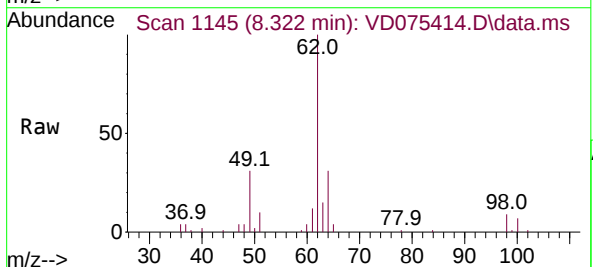
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

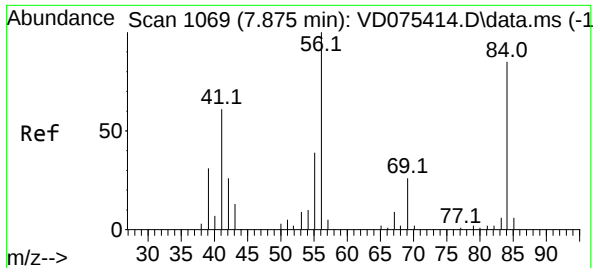
Tgt Ion: 83 Resp: 69465
Ion Ratio Lower Upper
83 100
85 60.2 42.1 78.3



#27
1,2-Dichloroethane
Concen: 25.024 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion: 62 Resp: 43130
Ion Ratio Lower Upper
62 100
98 8.5 6.8 10.2





#29

Cyclohexane

Concen: 25.685 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

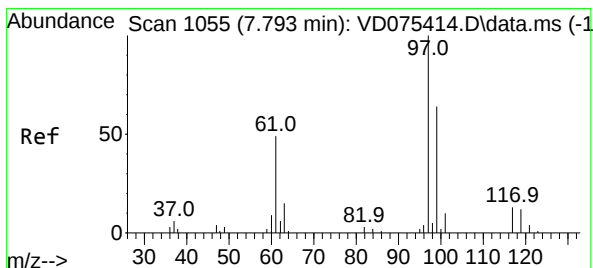
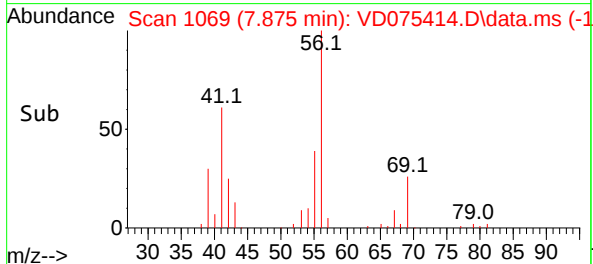
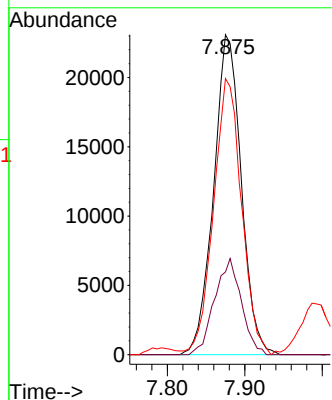
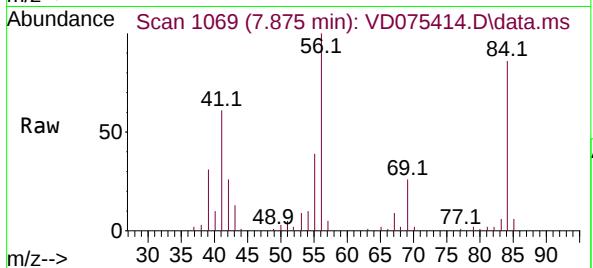
Tgt Ion: 56 Resp: 57225

Ion Ratio Lower Upper

56 100

69 29.0 23.2 34.8

84 87.6 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 24.775 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

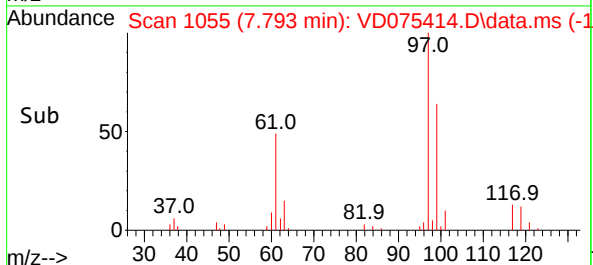
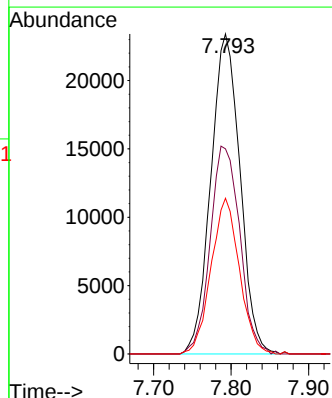
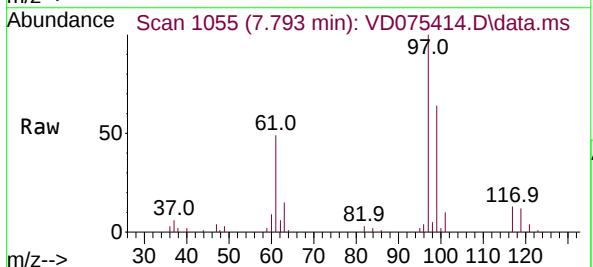
Tgt Ion: 97 Resp: 61303

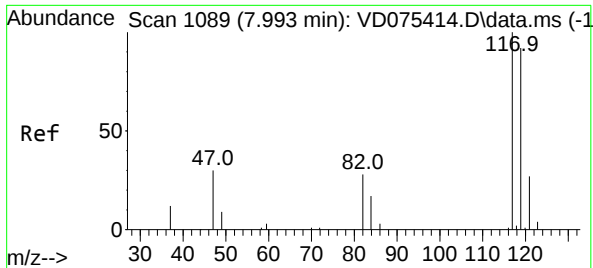
Ion Ratio Lower Upper

97 100

99 65.7 52.6 78.8

61 47.3 37.8 56.8

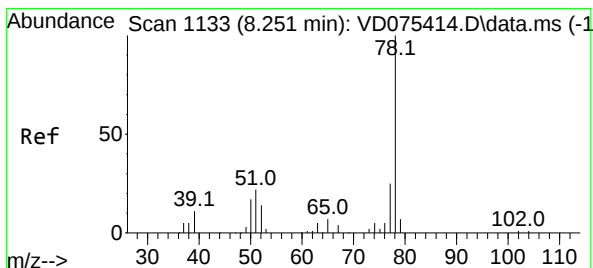
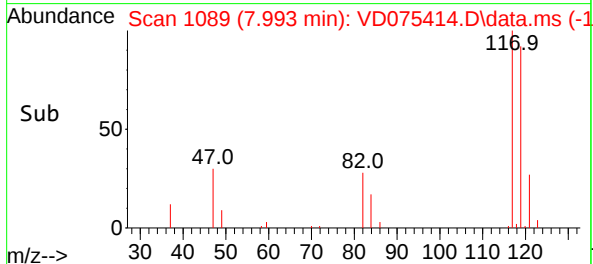
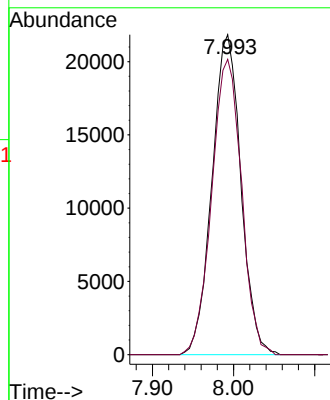
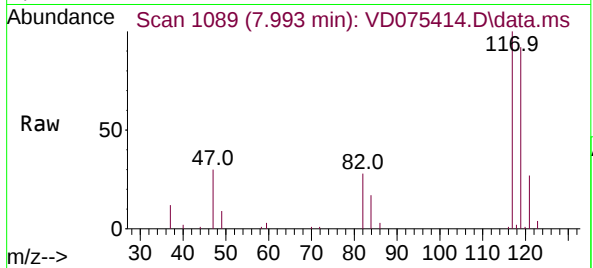




#31
Carbon tetrachloride
Concen: 25.416 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

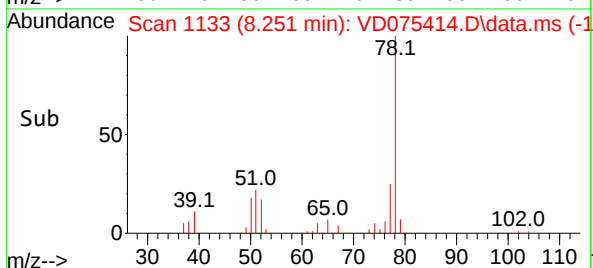
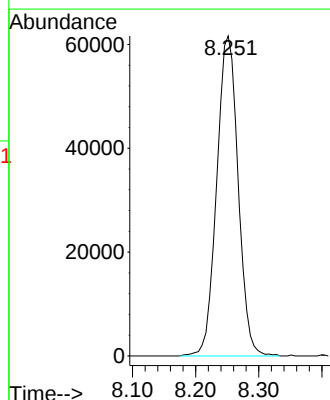
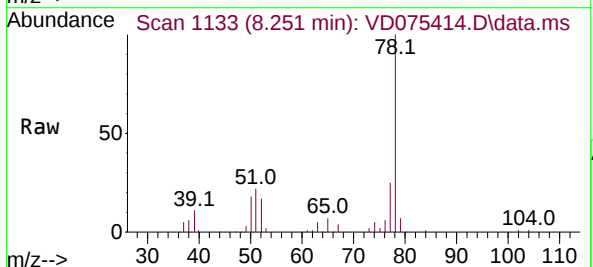
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

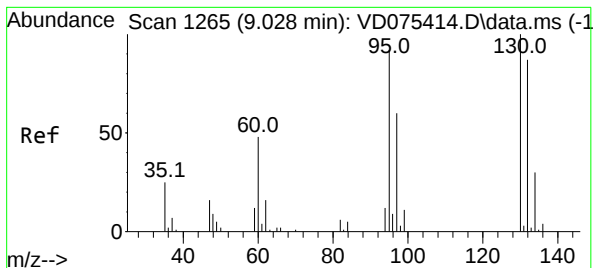
Tgt Ion:117 Resp: 53998
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2



#33
Benzene
Concen: 24.904 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion: 78 Resp: 145219





#34

Trichloroethene

Concen: 24.605 ug/L

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

Tgt Ion: 95 Resp: 38146

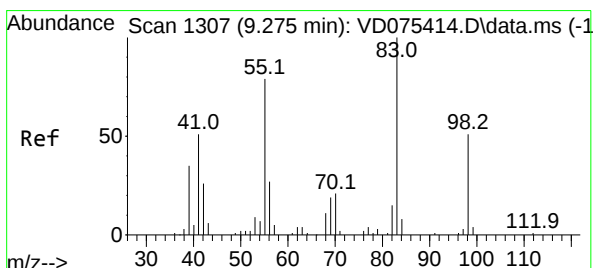
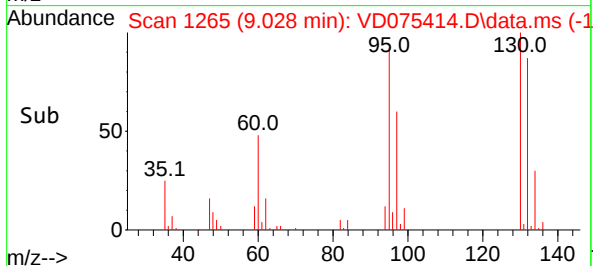
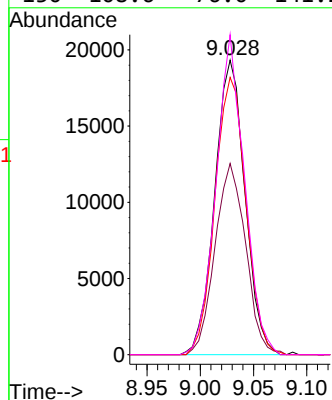
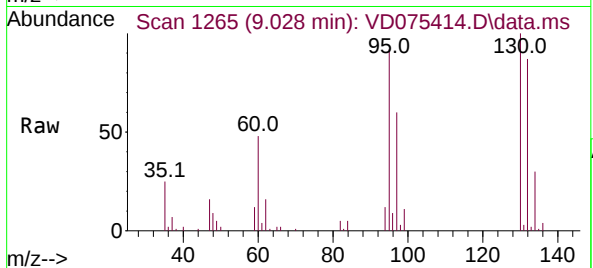
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.4

132 94.1 65.9 122.3

130 108.6 76.0 141.2



#35

Methylcyclohexane

Concen: 25.506 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

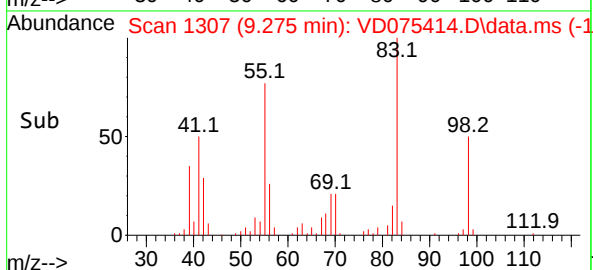
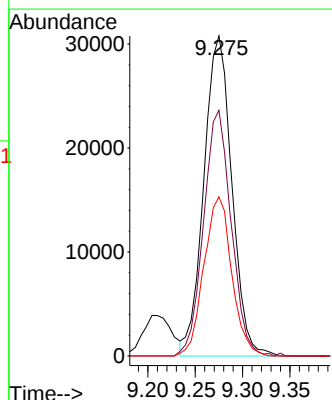
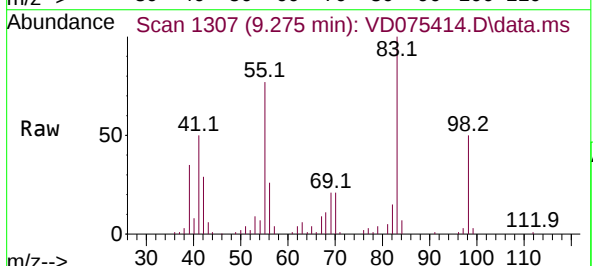
Tgt Ion: 83 Resp: 63347

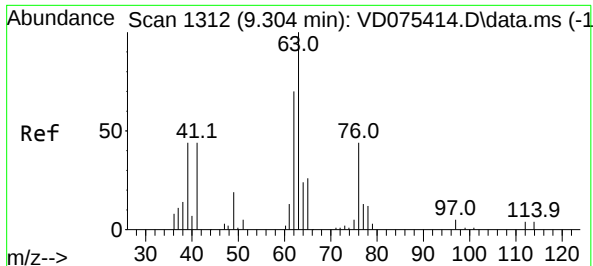
Ion Ratio Lower Upper

83 100

55 75.7 60.6 90.8

98 49.5 39.6 59.4





#37

1,2-Dichloropropane

Concen: 25.270 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

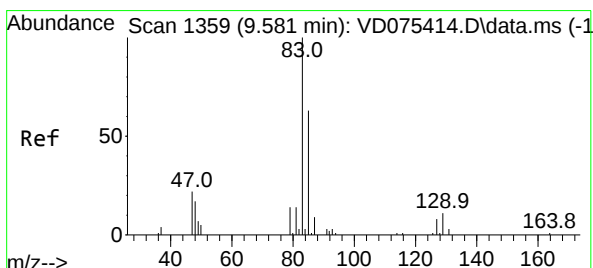
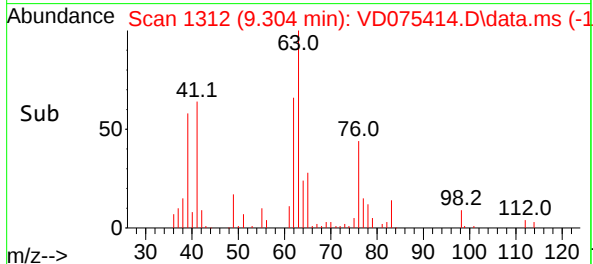
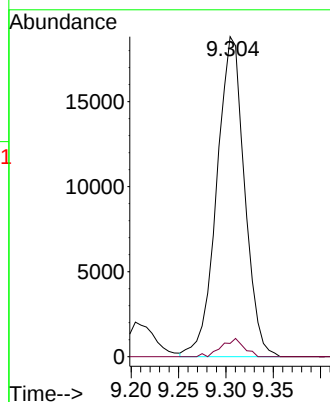
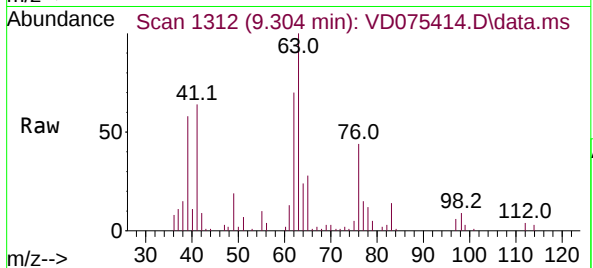
VSTD025107

Tgt Ion: 63 Resp: 38406

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 24.923 ug/L

RT: 9.581 min Scan# 1359

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

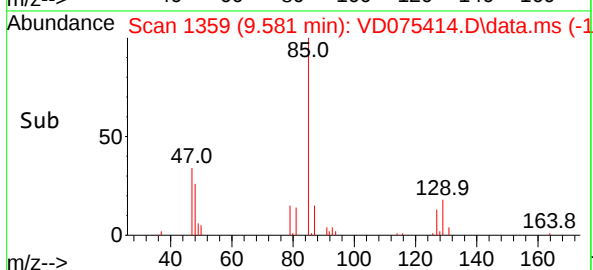
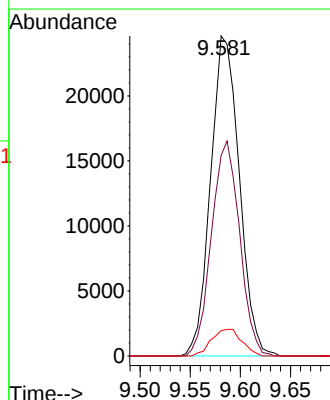
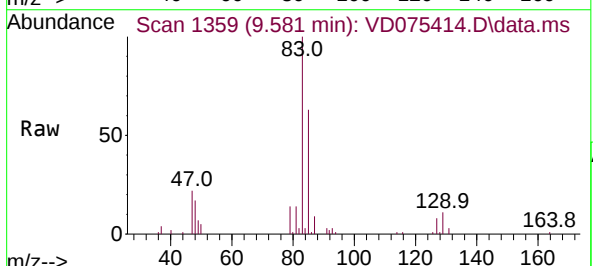
Tgt Ion: 83 Resp: 49004

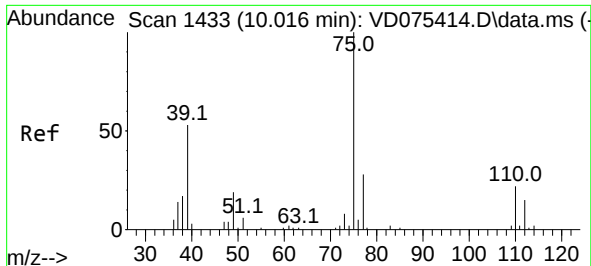
Ion Ratio Lower Upper

83 100

85 62.7 43.9 81.5

127 7.9 6.3 9.5

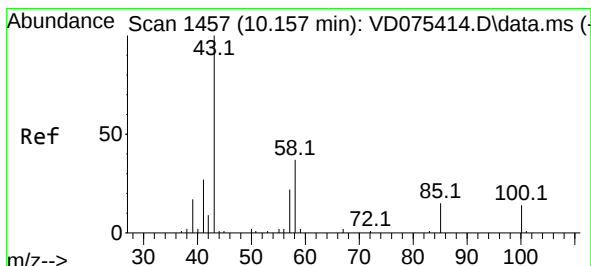
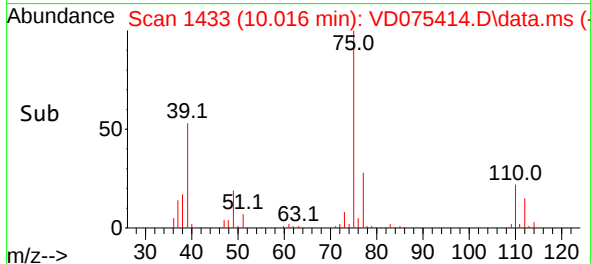
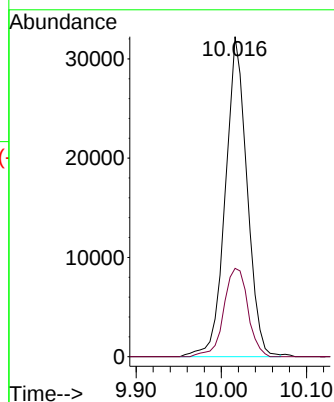
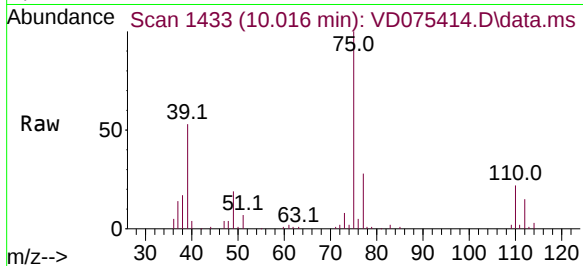




#39
 cis-1,3-Dichloropropene
 Concen: 25.810 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD075414.D
 Acq: 23 Feb 2023 15:19

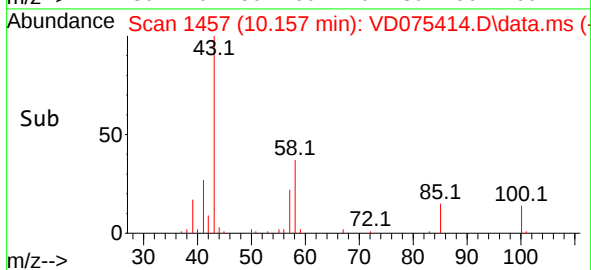
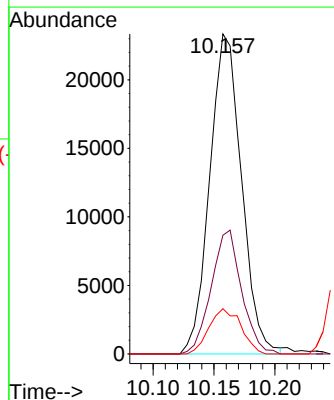
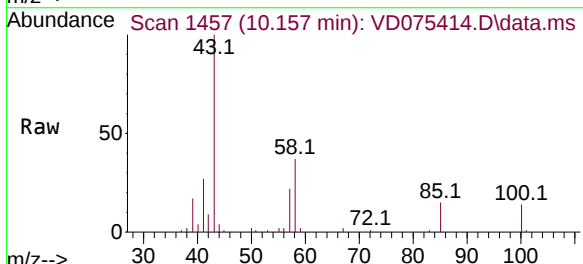
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025107

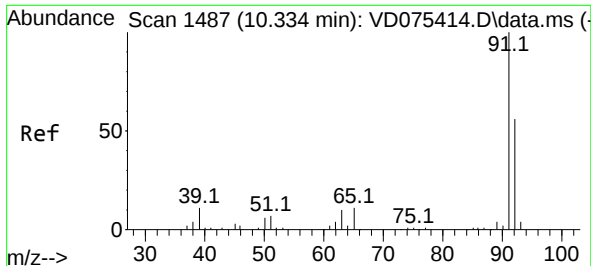
Tgt Ion: 75 Resp: 56931
 Ion Ratio Lower Upper
 75 100
 77 27.6 19.3 35.9



#40
 4-Methyl-2-pentanone
 Concen: 51.871 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD075414.D
 Acq: 23 Feb 2023 15:19

Tgt Ion: 43 Resp: 42362
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3
 100 14.3 11.4 17.2





#42

Toluene

Concen: 25.550 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

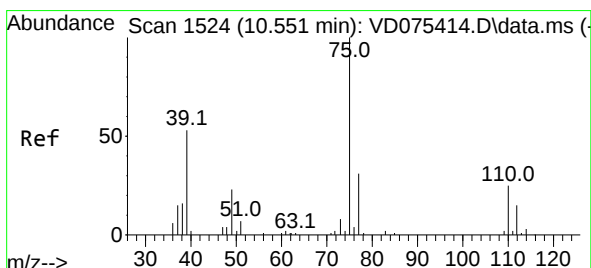
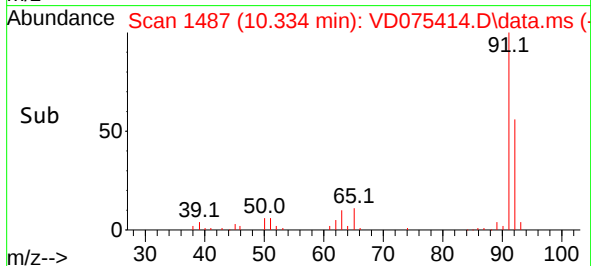
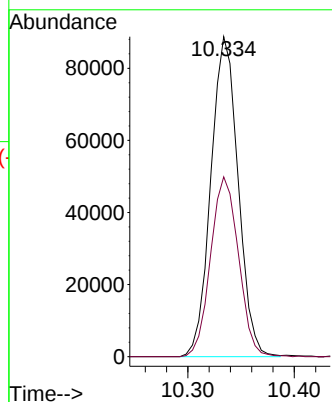
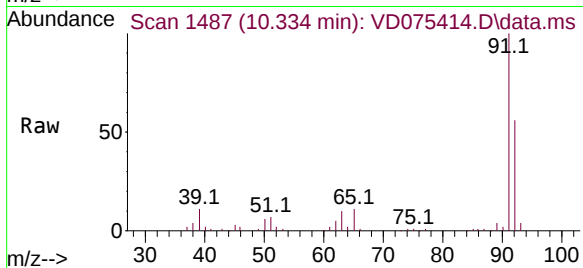
VSTD025107

Tgt Ion: 91 Resp: 157833

Ion Ratio Lower Upper

91 100

92 56.2 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 26.040 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD075414.D

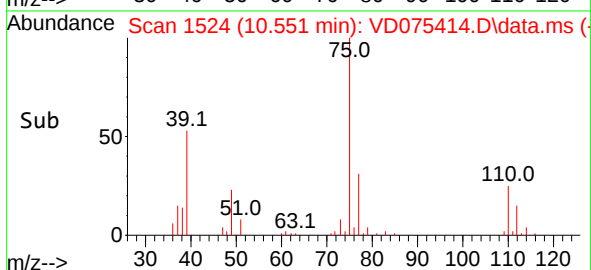
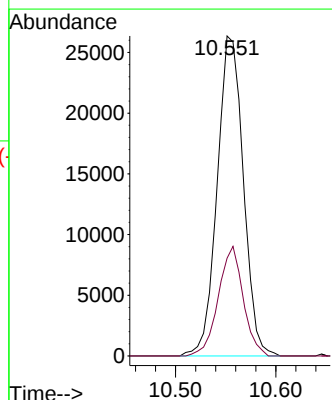
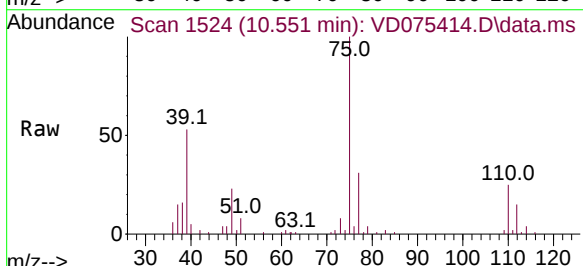
Acq: 23 Feb 2023 15:19

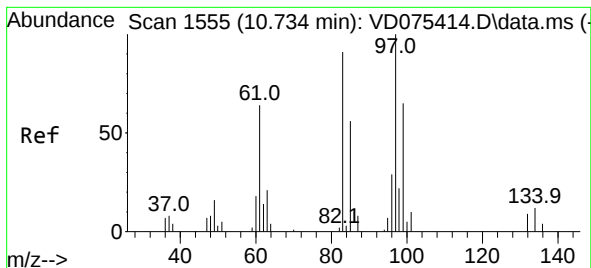
Tgt Ion: 75 Resp: 47781

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8





#45

1,1,2-Trichloroethane

Concen: 24.864 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

Tgt Ion: 97 Resp: 26404

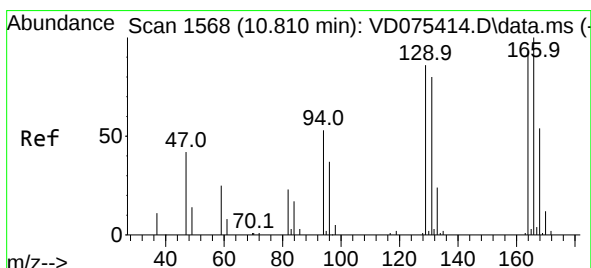
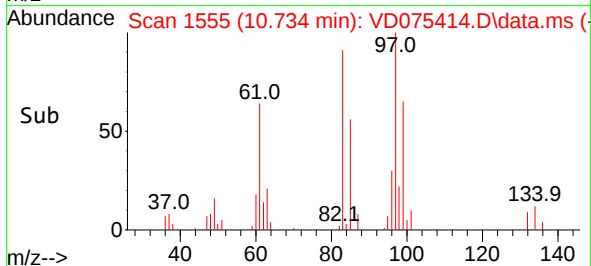
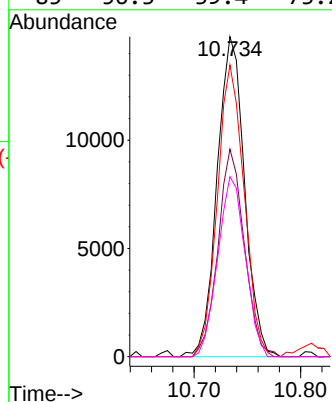
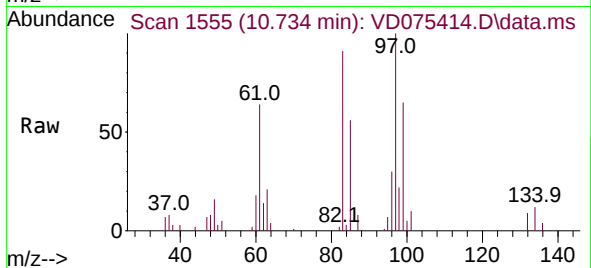
Ion Ratio Lower Upper

97 100

99 64.8 45.4 84.2

83 91.2 63.8 118.6

85 56.3 39.4 73.2



#46

Tetrachloroethene

Concen: 25.322 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Tgt Ion:164 Resp: 30974

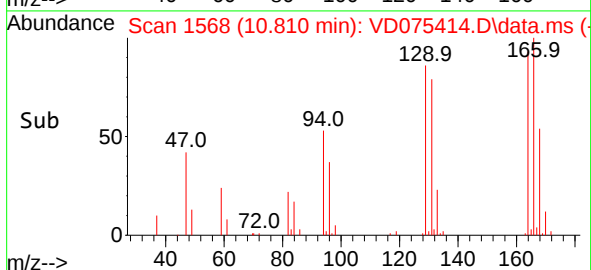
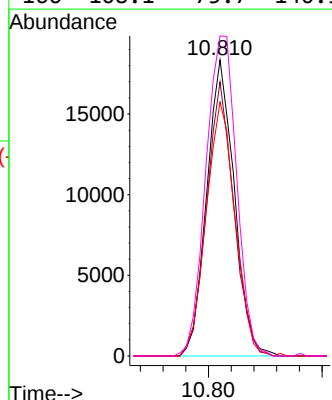
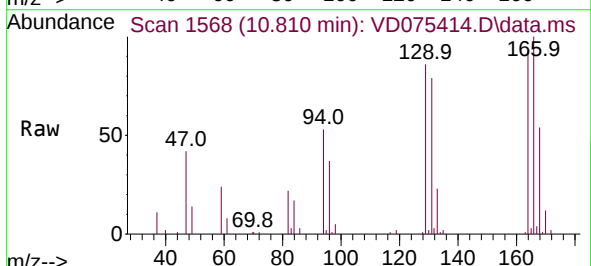
Ion Ratio Lower Upper

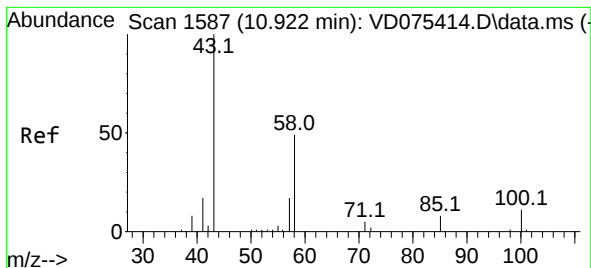
164 100

129 92.6 64.8 120.4

131 85.8 60.1 111.5

166 108.1 75.7 140.5





#48

2-Hexanone

Concen: 51.747 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

Tgt Ion: 43 Resp: 31268

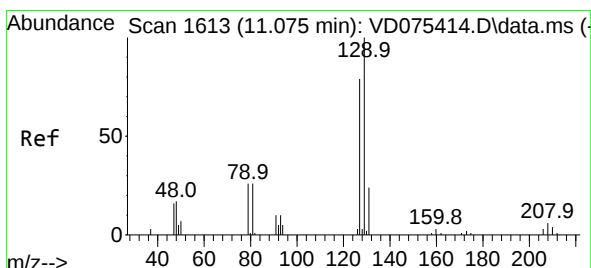
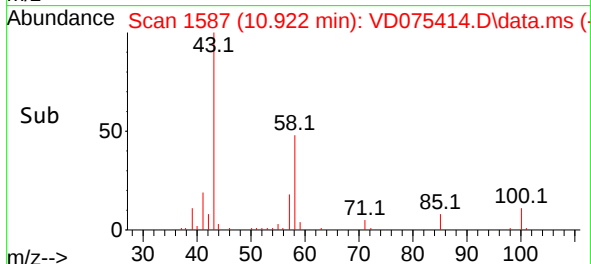
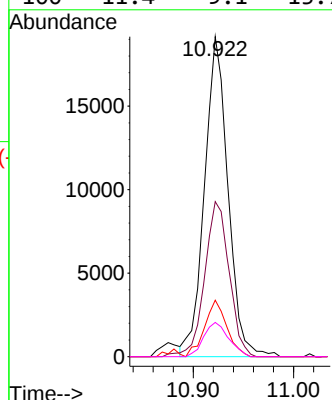
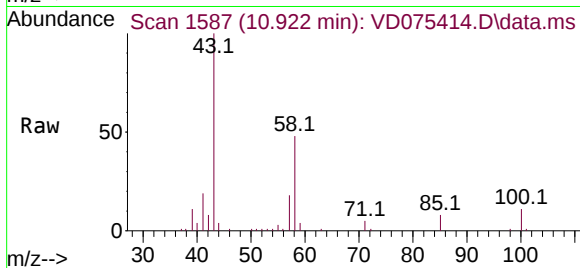
Ion Ratio Lower Upper

43 100

58 50.4 40.3 60.5

57 16.7 13.4 20.0

100 11.4 9.1 13.7



#49

Dibromochloromethane

Concen: 25.270 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075414.D

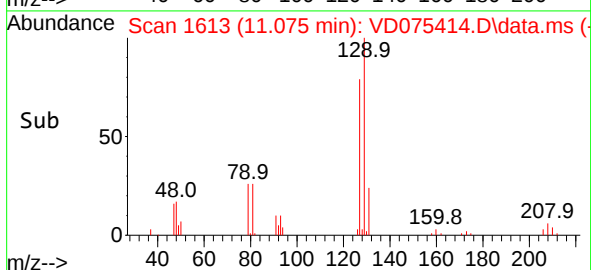
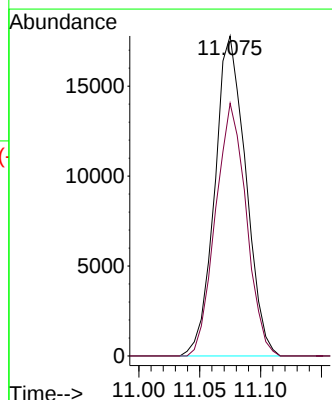
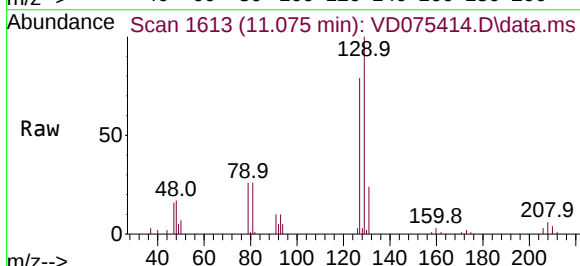
Acq: 23 Feb 2023 15:19

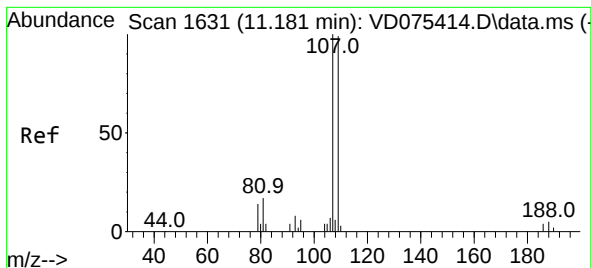
Tgt Ion: 129 Resp: 31547

Ion Ratio Lower Upper

129 100

127 79.0 55.3 102.7





#50

1,2-Dibromoethane

Concen: 24.572 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

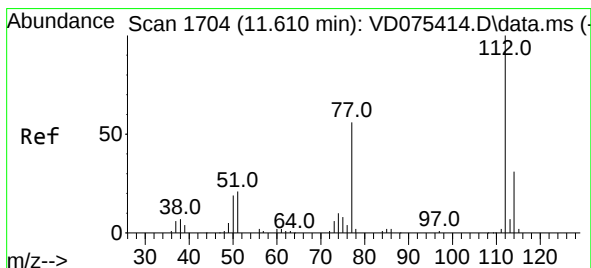
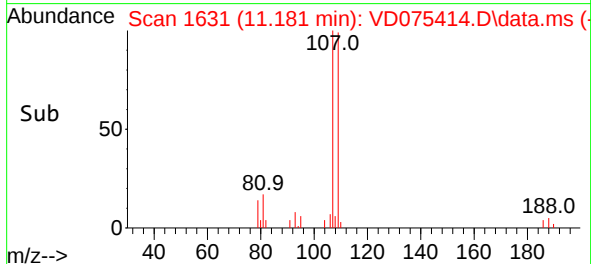
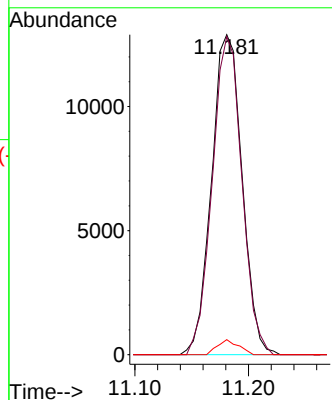
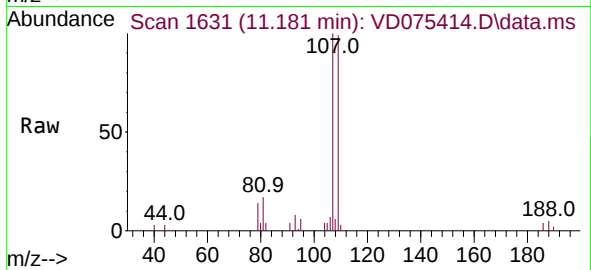
Tgt Ion:107 Resp: 24112

Ion Ratio Lower Upper

107 100

109 99.4 69.6 129.2

188 4.7 3.8 5.6



#51

Chlorobenzene

Concen: 25.349 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

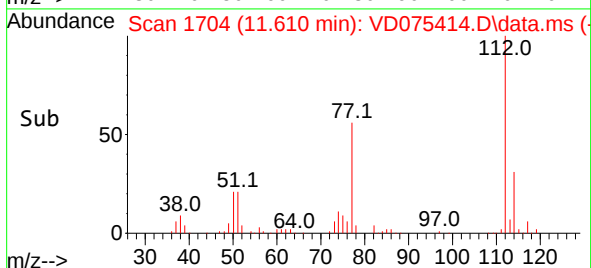
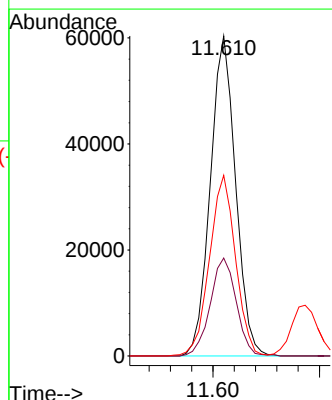
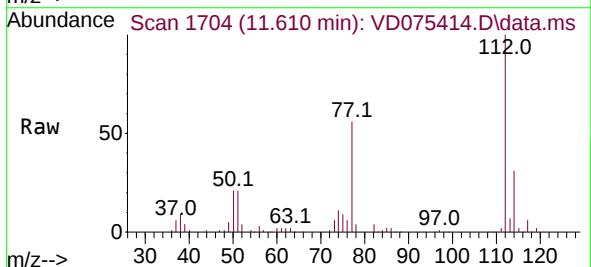
Tgt Ion:112 Resp: 99312

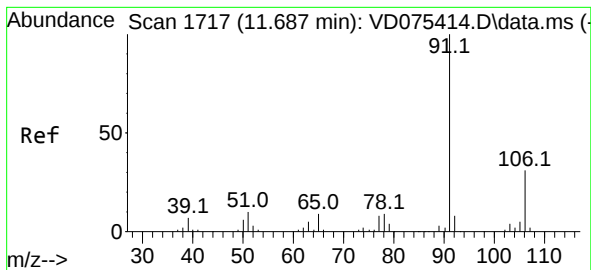
Ion Ratio Lower Upper

112 100

114 30.6 21.4 39.8

77 56.4 45.1 67.7

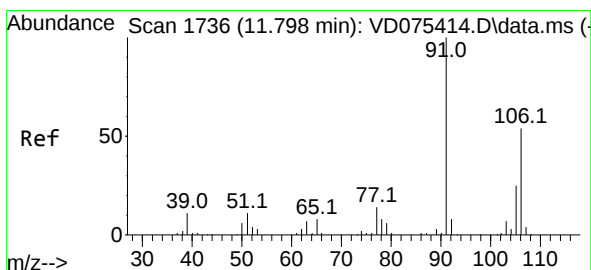
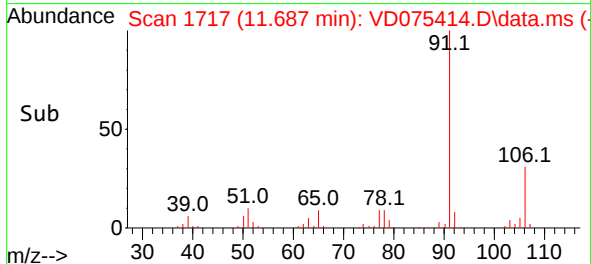
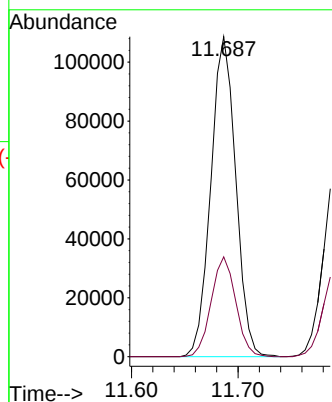
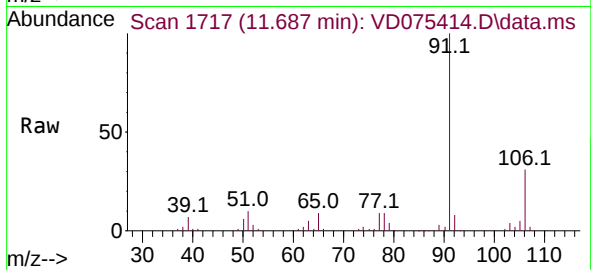




#52
Ethylbenzene
Concen: 25.843 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

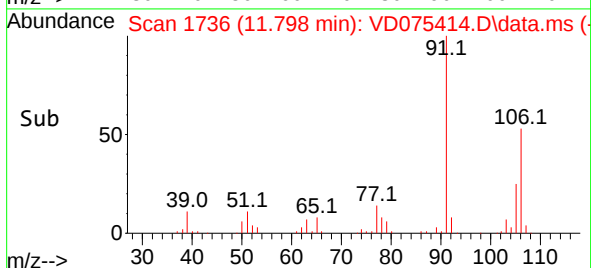
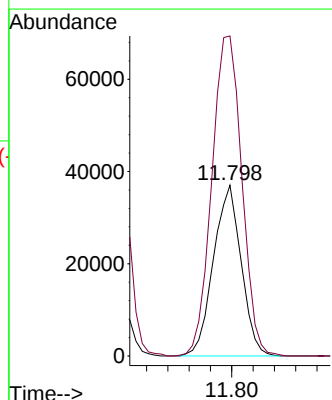
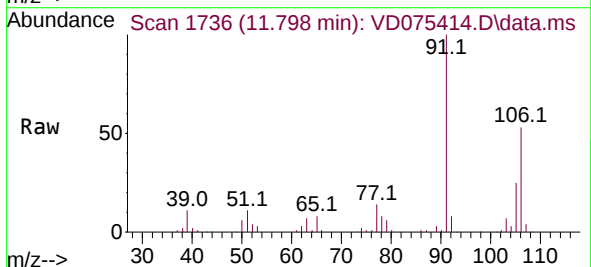
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

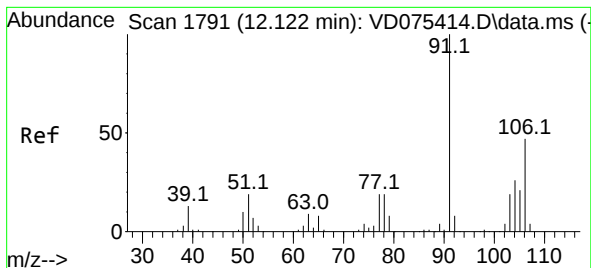
Tgt Ion: 91 Resp: 176354
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.6



#53
m,p-Xylene
Concen: 26.027 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion:106 Resp: 66969
Ion Ratio Lower Upper
106 100
91 187.4 131.2 243.6





#54

o-Xylene

Concen: 26.191 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

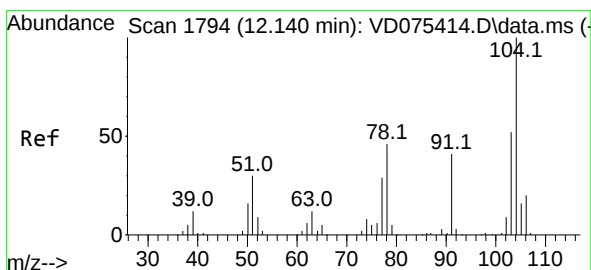
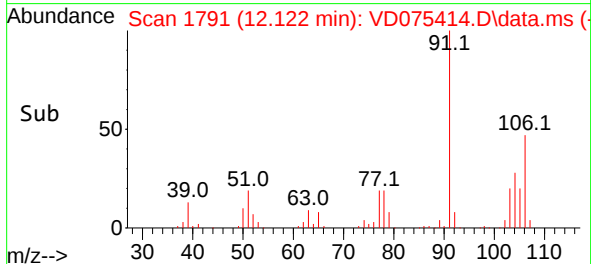
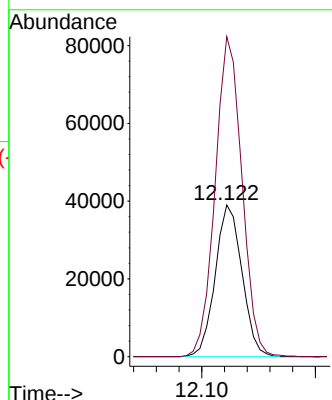
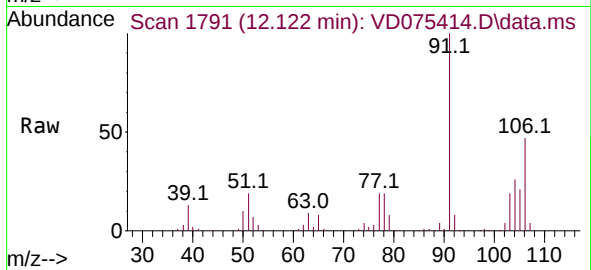
VSTD025107

Tgt Ion:106 Resp: 63712

Ion Ratio Lower Upper

106 100

91 211.0 147.7 274.3



#55

Styrene

Concen: 26.122 ug/L

RT: 12.140 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD075414.D

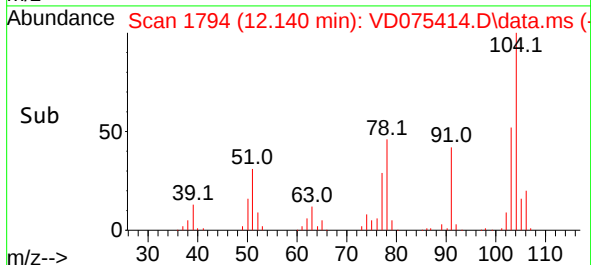
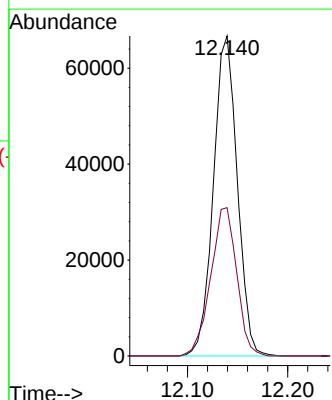
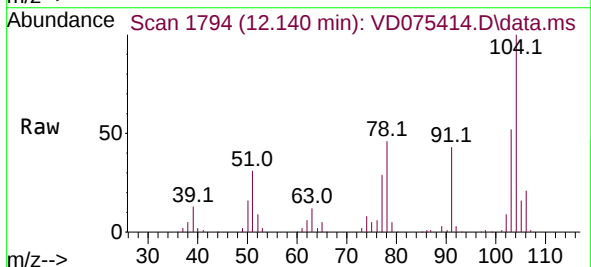
Acq: 23 Feb 2023 15:19

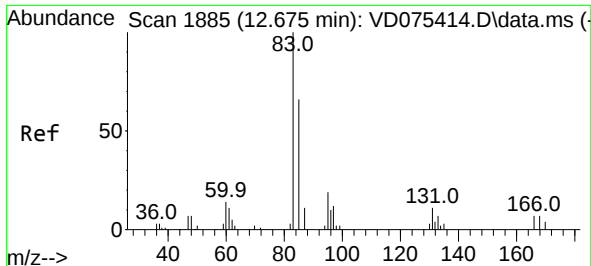
Tgt Ion:104 Resp: 110405

Ion Ratio Lower Upper

104 100

78 46.4 32.5 60.3





#57

1,1,2,2-Tetrachloroethane

Concen: 25.460 ug/L

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

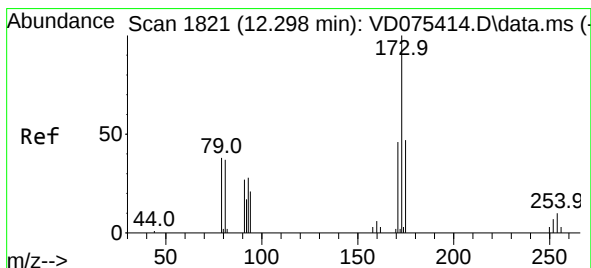
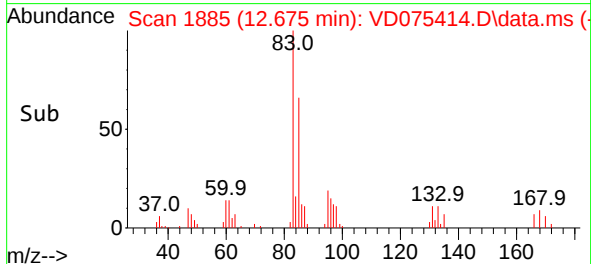
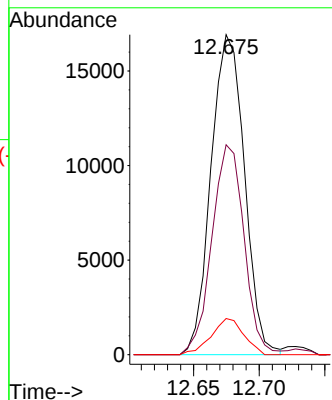
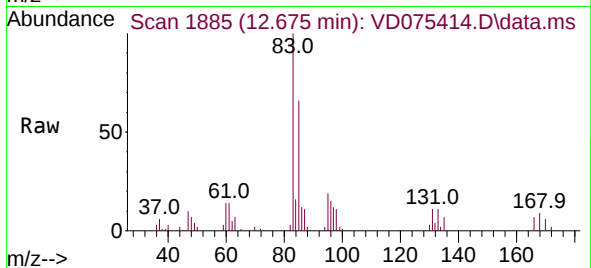
Tgt Ion: 83 Resp: 30038

Ion Ratio Lower Upper

83 100

85 65.6 45.9 85.3

131 11.3 9.0 13.6



#59

Bromoform

Concen: 24.593 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

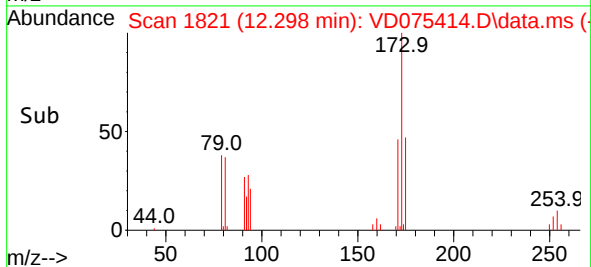
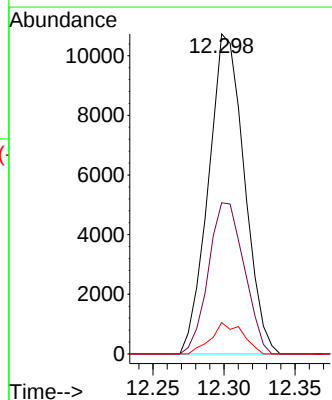
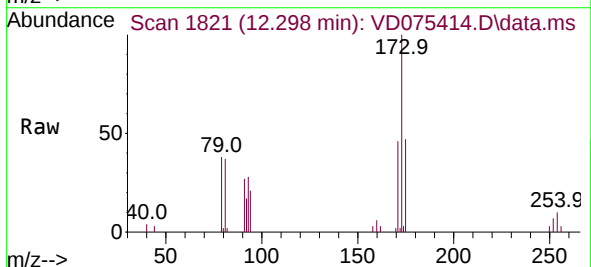
Tgt Ion: 173 Resp: 18816

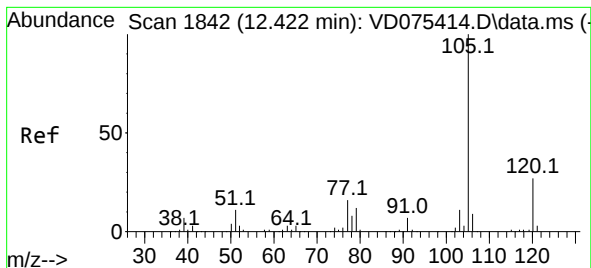
Ion Ratio Lower Upper

173 100

175 47.1 37.7 56.5

254 8.7 7.0 10.4





#60

Isopropylbenzene

Concen: 25.666 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

Instrument :

MSVOA_D

ClientSampleId :

VSTD025107

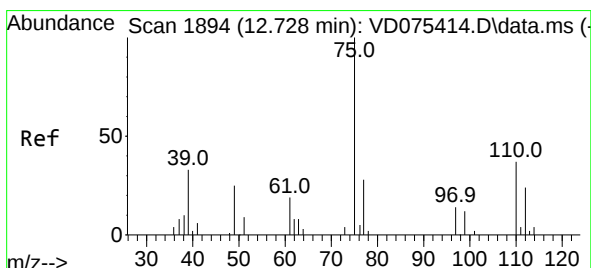
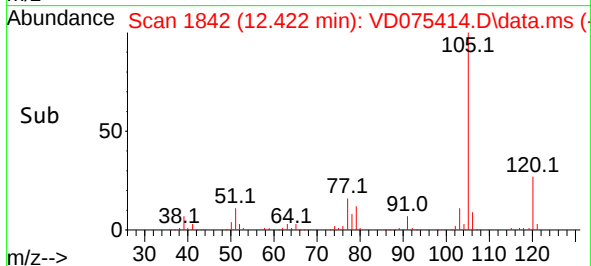
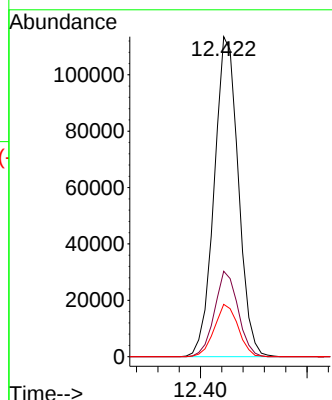
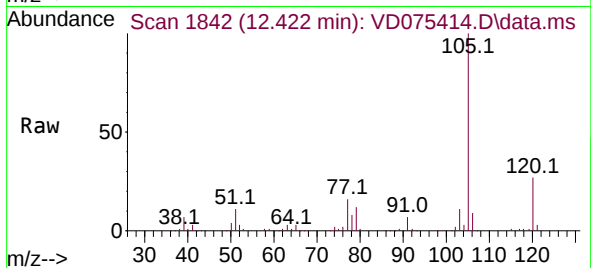
Tgt Ion:105 Resp: 178204

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

77 16.1 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 25.246 ug/L

RT: 12.728 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VD075414.D

Acq: 23 Feb 2023 15:19

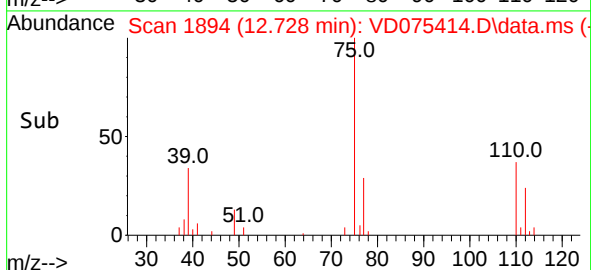
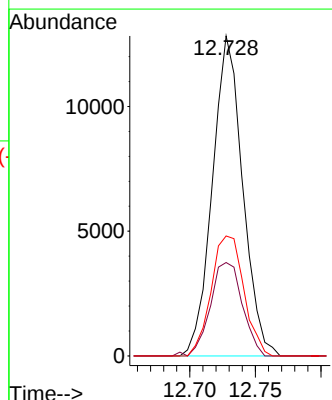
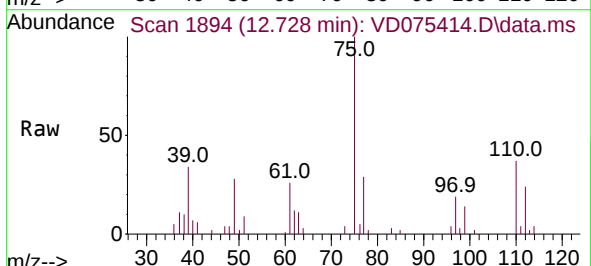
Tgt Ion: 75 Resp: 20593

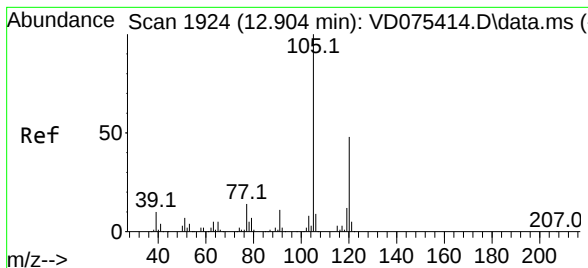
Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

110 40.5 32.4 48.6

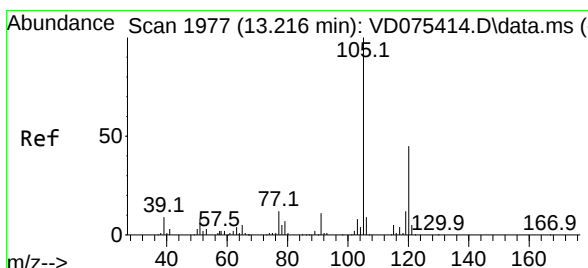
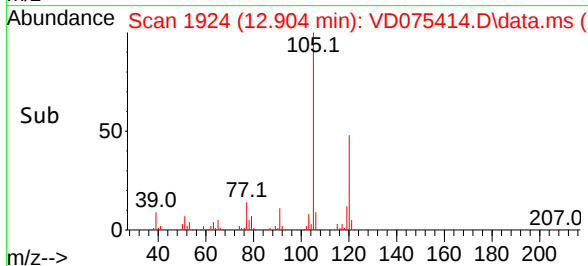
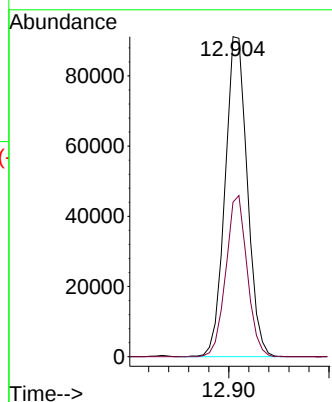
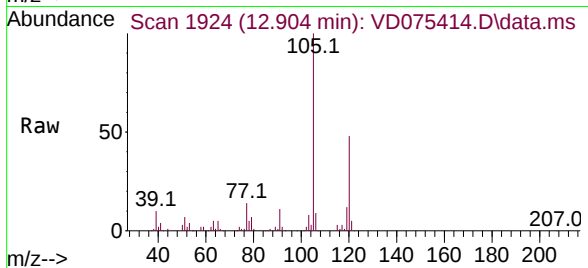




#62
1,3,5-Trimethylbenzene
Concen: 25.825 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

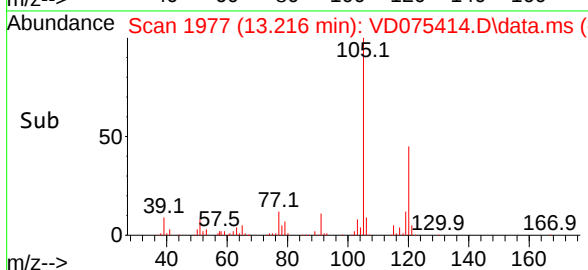
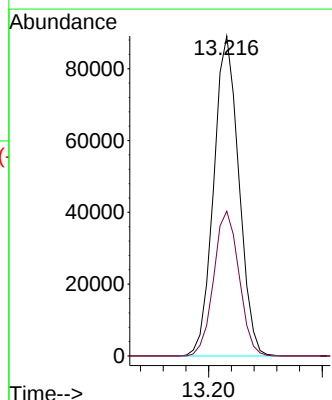
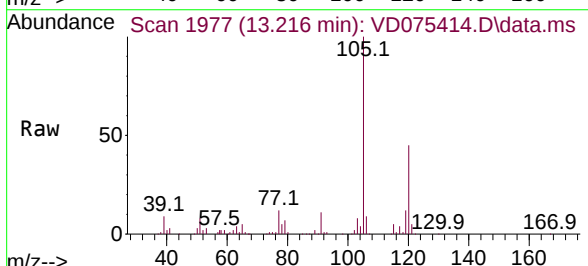
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

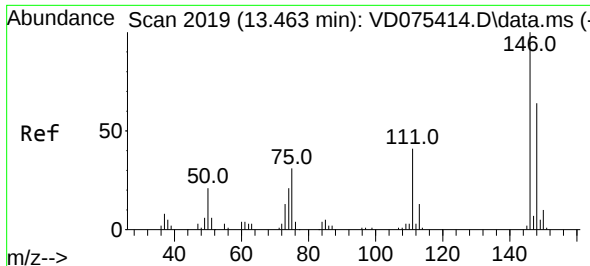
Tgt Ion:105 Resp: 140501
Ion Ratio Lower Upper
105 100
120 48.2 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 26.137 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion:105 Resp: 137081
Ion Ratio Lower Upper
105 100
120 45.4 36.3 54.5

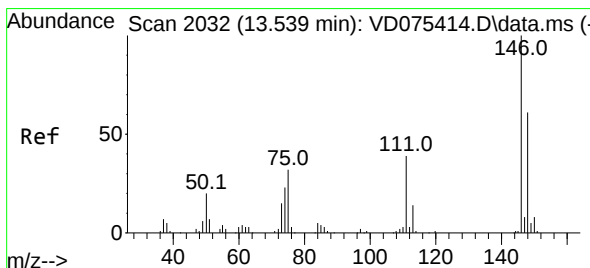
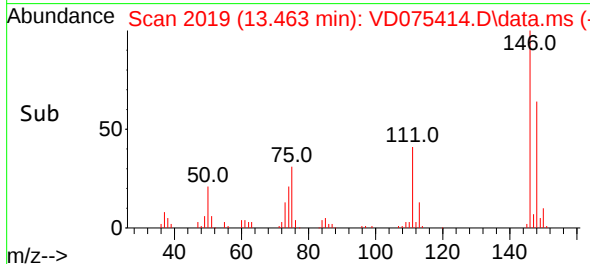
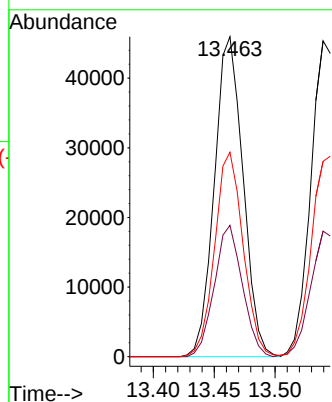
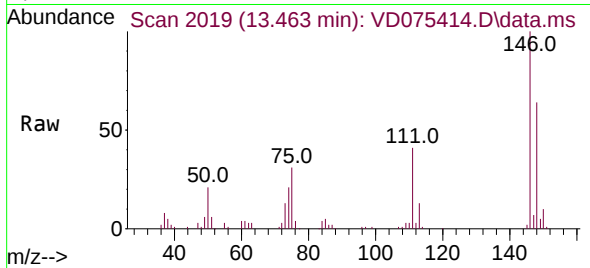




#64
1,3-Dichlorobenzene
Concen: 24.892 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

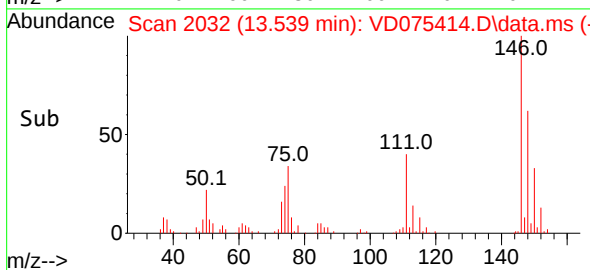
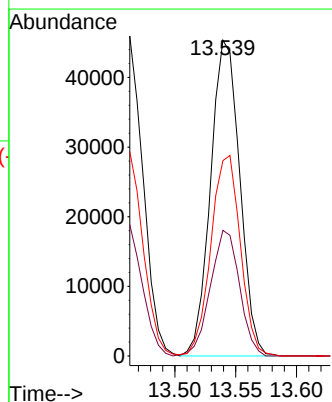
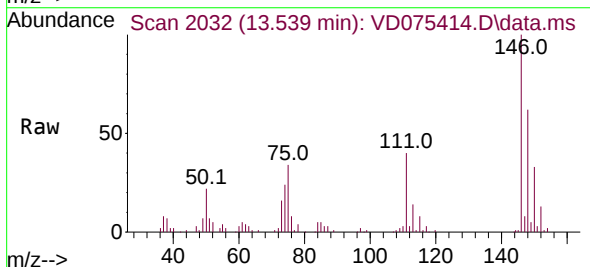
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

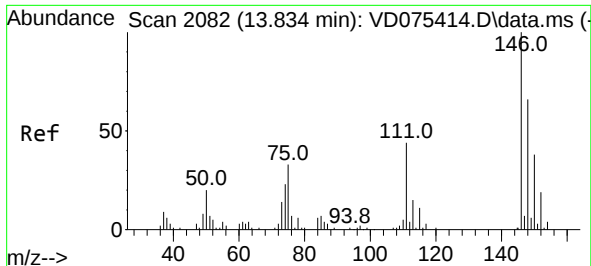
Tgt Ion:146 Resp: 75224
Ion Ratio Lower Upper
146 100
111 41.1 28.8 53.4
148 63.9 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 24.547 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion:146 Resp: 75714
Ion Ratio Lower Upper
146 100
111 39.8 27.9 51.7
148 61.9 43.3 80.5

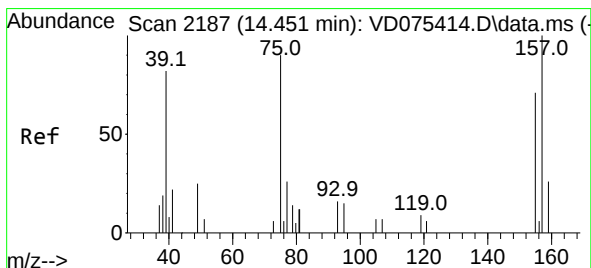
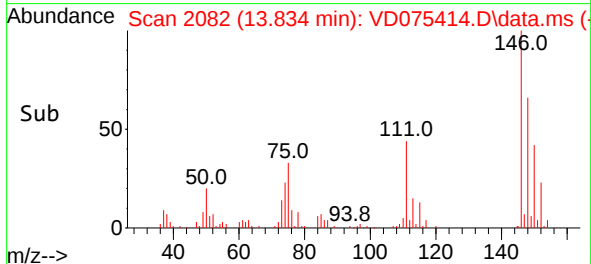
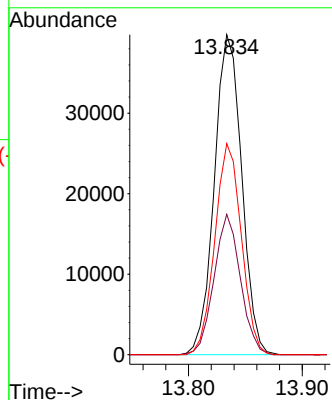
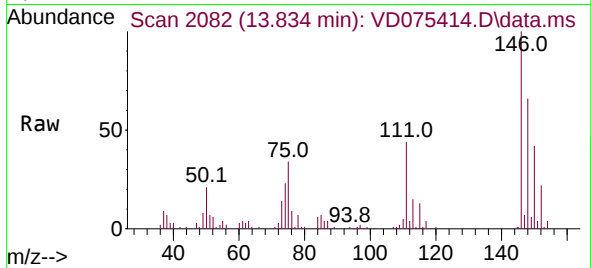




#67
1,2-Dichlorobenzene
Concen: 25.149 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

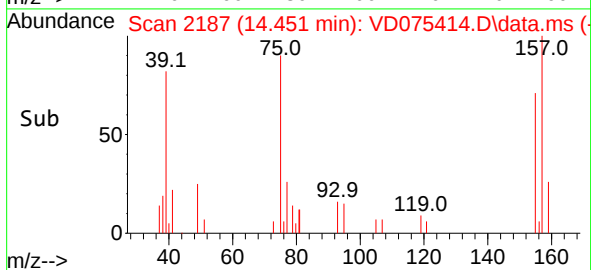
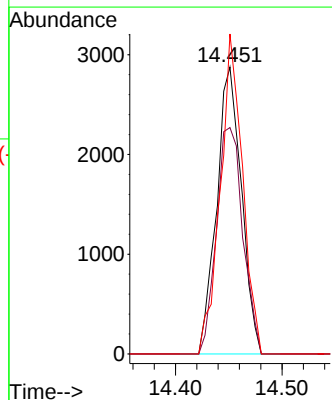
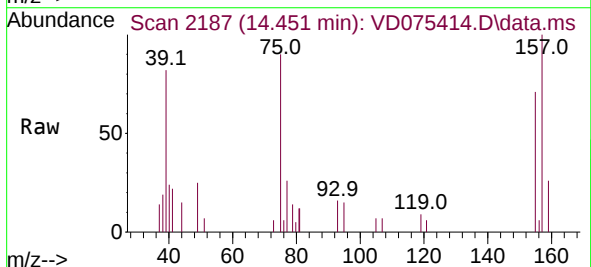
Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

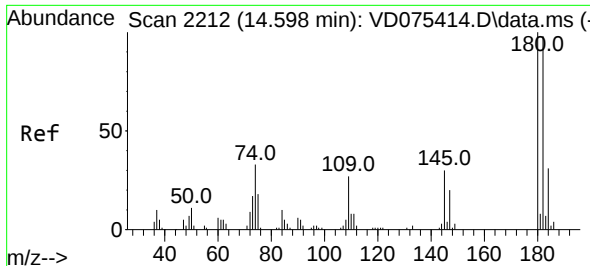
Tgt Ion:146 Resp: 66626
Ion Ratio Lower Upper
146 100
111 43.8 35.0 52.6
148 65.9 52.7 79.1



#68
1,2-Dibromo-3-chloropropane
Concen: 25.221 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion: 75 Resp: 4635
Ion Ratio Lower Upper
75 100
155 78.9 63.1 94.7
157 111.5 89.2 133.8

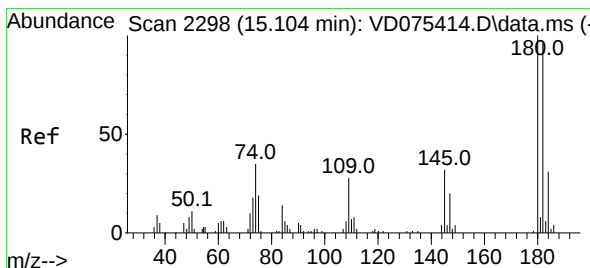
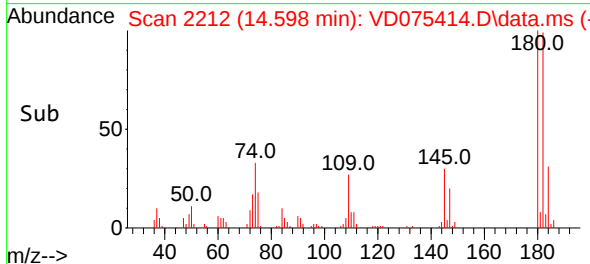
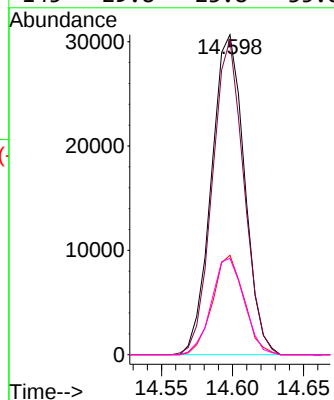
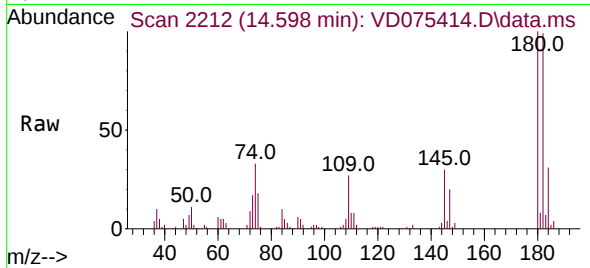




#69
 1,3,5-Trichlorobenzene
 Concen: 24.874 ug/L
 RT: 14.598 min Scan# 2212
 Delta R.T. 0.000 min
 Lab File: VD075414.D
 Acq: 23 Feb 2023 15:19

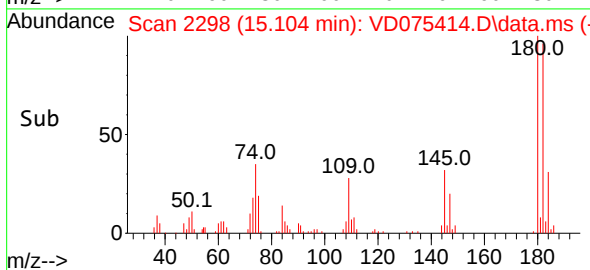
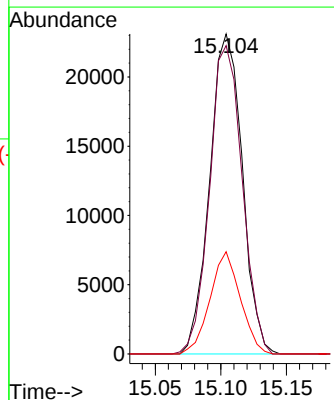
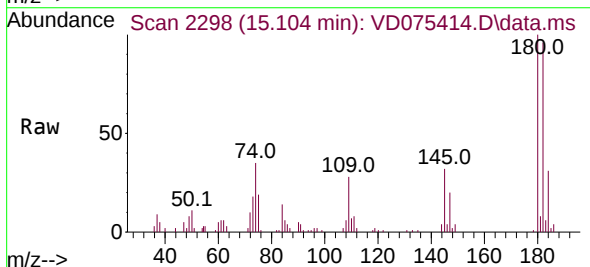
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025107

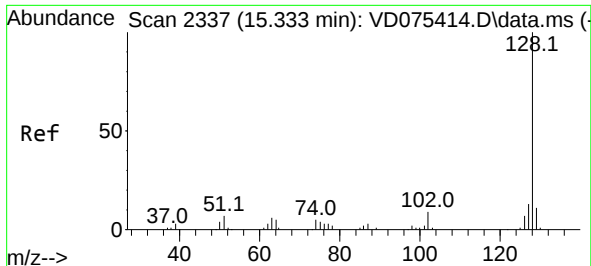
Tgt Ion:	180	Resp:	49550
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.0	112.6
184	29.7	23.8	35.6
145	29.8	23.8	35.8



#70
 1,2,4-trichlorobenzene
 Concen: 24.940 ug/L
 RT: 15.104 min Scan# 2298
 Delta R.T. 0.000 min
 Lab File: VD075414.D
 Acq: 23 Feb 2023 15:19

Tgt Ion:	180	Resp:	39969
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.1	115.7
145	29.7	23.8	35.6

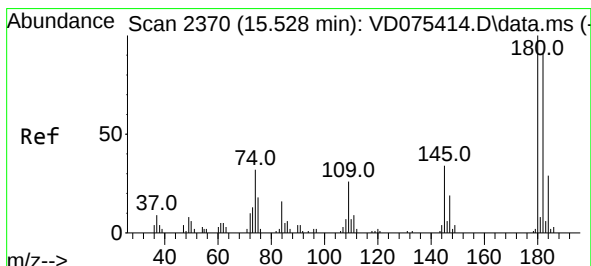
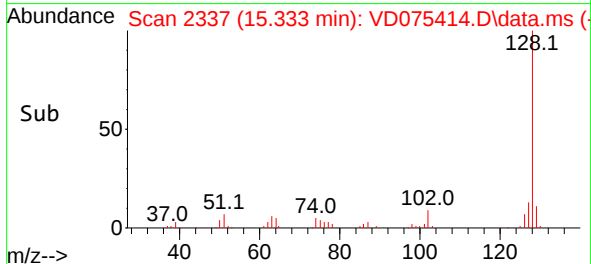
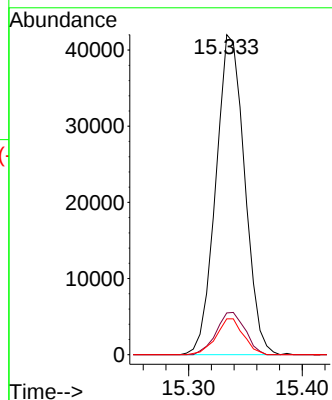
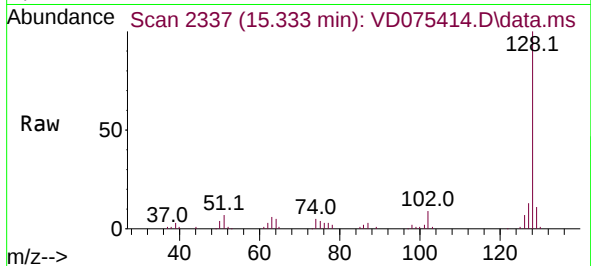




#71
Naphthalene
Concen: 25.538 ug/L
RT: 15.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Instrument :
MSVOA_D
ClientSampleId :
VSTD025107

Tgt Ion:	128	Resp:	73995
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 25.819 ug/L
RT: 15.528 min Scan# 2370
Delta R.T. 0.000 min
Lab File: VD075414.D
Acq: 23 Feb 2023 15:19

Tgt Ion:	180	Resp:	35684
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	33.2	26.6	39.8

