

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020524\
 Data File : VD078353.D
 Acq On : 05 Feb 2024 18:55
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 06 00:53:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 06 00:51:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	198347	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	192332	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	95129	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	106304	18.890	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.560%
7) Chloroethane-d5	2.793	69	92313	19.515	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.080%
11) 1,1-Dichloroethene-d2	3.922	65	21257	17.495	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.960%
21) 2-Butanone-d5	6.993	46	40837	49.288	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.580%
24) Chloroform-d	7.569	84	124563	22.026	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.120%
26) 1,2-Dichloroethane-d4	8.234	65	66383	21.751	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	8.199	84	225767	20.075	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.320%
36) 1,2-Dichloropropane-d6	9.210	67	74984	21.658	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.640%
41) Toluene-d8	10.269	98	191389	18.947	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.800%
43) trans-1,3-Dichloroprop...	10.522	79	33587	21.726	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.920%
47) 2-Hexanone-d5	10.875	63	36922	52.562	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.120%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	78631	24.441	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.760%
66) 1,2-Dichlorobenzene-d4	13.816	152	70690	20.757	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	110578	28.275	ug/L	98
3) Chloromethane	2.152	50	169775	29.849	ug/L	98
5) Vinyl chloride	2.281	62	199555	28.377	ug/L	97
6) Bromomethane	2.687	94	87397	27.412	ug/L	98
8) Chloroethane	2.828	64	124019	27.699	ug/L	99
9) Trichlorofluoromethane	3.169	101	140548	28.114	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	85022	27.331	ug/L	98
12) 1,1-Dichloroethene	3.940	96	78423	27.239	ug/L	81
13) Acetone	4.022	43	54775	50.351	ug/L	97
14) Carbon disulfide	4.269	76	263031	24.787	ug/L	98
15) Methyl Acetate	4.563	43	43986	26.985	ug/L	94
16) Methylene chloride	4.799	84	104086	26.758	ug/L	99
17) trans-1,2-Dichloroethene	5.310	96	86705	27.330	ug/L	98
18) Methyl tert-butyl Ether	5.322	73	212322	28.775	ug/L #	96
19) 1,1-Dichloroethane	6.110	63	156346	28.163	ug/L	95
20) cis-1,2-Dichloroethene	7.075	96	99377	28.581	ug/L	98
22) 2-Butanone	7.087	43	67852	51.513	ug/L	76
23) Bromochloromethane	7.428	128	46367	30.190	ug/L	98
25) Chloroform	7.599	83	169132	27.919	ug/L	98

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 Response via : Initial Calibration

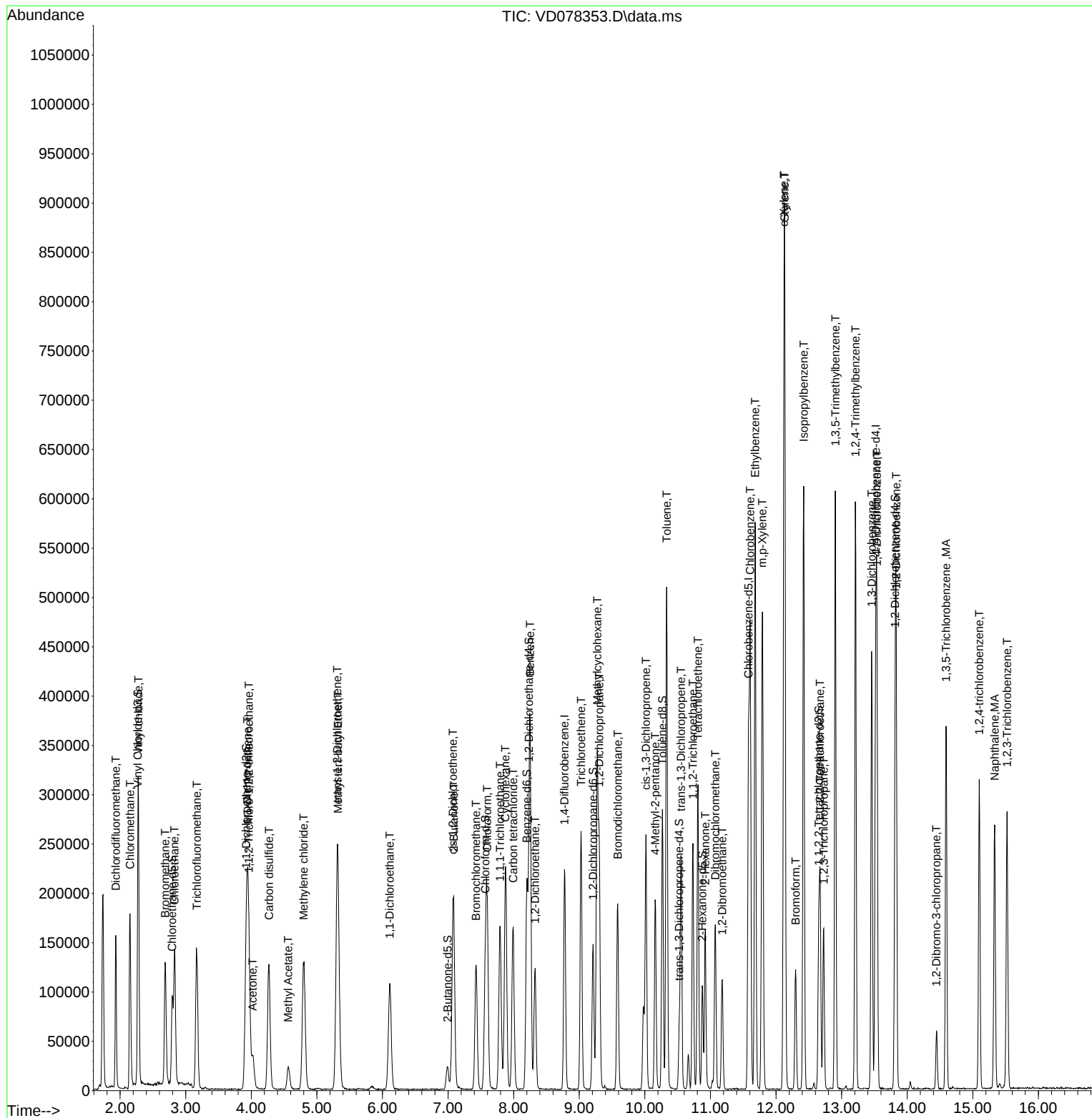
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	109582	28.166	ug/L #	93
29) Cyclohexane	7.875	56	123198	28.336	ug/L	98
30) 1,1,1-Trichloroethane	7.793	97	136875	29.032	ug/L	99
31) Carbon tetrachloride	7.993	117	117542	28.301	ug/L	100
33) Benzene	8.251	78	361393	27.885	ug/L	100
34) Trichloroethene	9.028	95	92070	28.128	ug/L	90
35) Methylcyclohexane	9.275	83	141847	27.694	ug/L	97
37) 1,2-Dichloropropane	9.304	63	98569	28.863	ug/L	100
38) Bromodichloromethane	9.587	83	129596	29.085	ug/L #	95
39) cis-1,3-Dichloropropene	10.016	75	153636	28.902	ug/L	94
40) 4-Methyl-2-pentanone	10.157	43	129221	60.926	ug/L	98
42) Toluene	10.334	91	389306	28.871	ug/L	97
44) trans-1,3-Dichloropropene	10.551	75	132271	28.440	ug/L	92
45) 1,1,2-Trichloroethane	10.734	97	77625	28.516	ug/L	97
46) Tetrachloroethene	10.810	164	64190	28.559	ug/L	96
48) 2-Hexanone	10.922	43	100244	57.944	ug/L	98
49) Dibromochloromethane	11.075	129	87048	28.453	ug/L	93
50) 1,2-Dibromoethane	11.181	107	75964	28.608	ug/L	100
51) Chlorobenzene	11.604	112	241843	27.700	ug/L	96
52) Ethylbenzene	11.681	91	419593	28.968	ug/L	99
53) m,p-Xylene	11.792	106	160056	28.752	ug/L	97
54) o-Xylene	12.122	106	152051	28.325	ug/L	100
55) Styrene	12.134	104	286188	29.554	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	100019	28.677	ug/L	96
59) Bromoform	12.298	173	53256	27.902	ug/L	97
60) Isopropylbenzene	12.422	105	399301	27.779	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	66847	27.549	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	309855	27.559	ug/L	100
63) 1,2,4-Trimethylbenzene	13.210	105	314924	28.279	ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	174161	27.152	ug/L	97
65) 1,4-Dichlorobenzene	13.539	146	181839	27.078	ug/L	95
67) 1,2-Dichlorobenzene	13.834	146	163188	26.896	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.445	75	13994	26.029	ug/L	94
69) 1,3,5-Trichlorobenzene	14.592	180	108598	27.480	ug/L	99
70) 1,2,4-trichlorobenzene	15.098	180	91392	26.756	ug/L	100
71) Naphthalene	15.333	128	224221	28.039	ug/L	99
72) 1,2,3-Trichlorobenzene	15.522	180	88251	27.676	ug/L	99

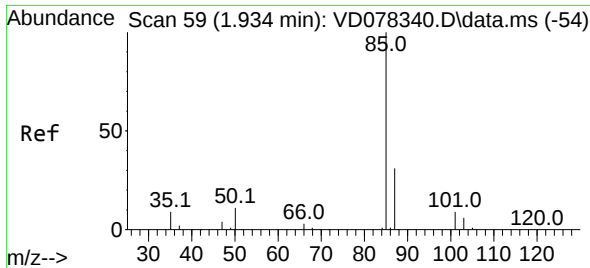
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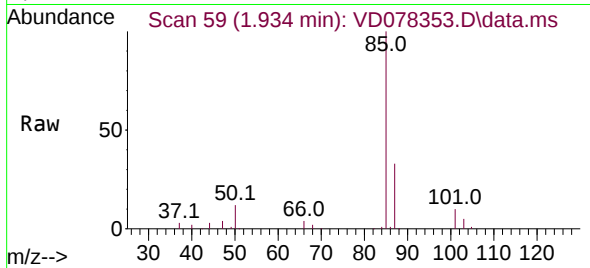
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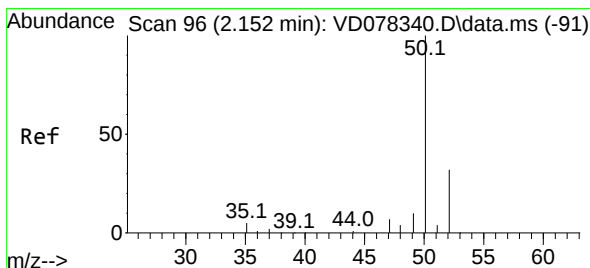
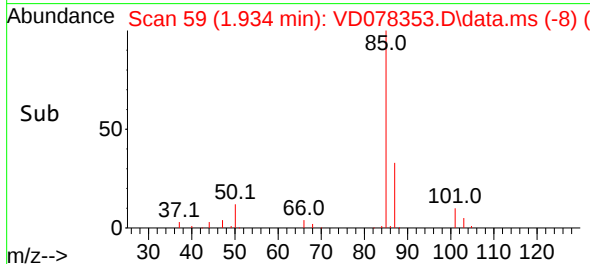
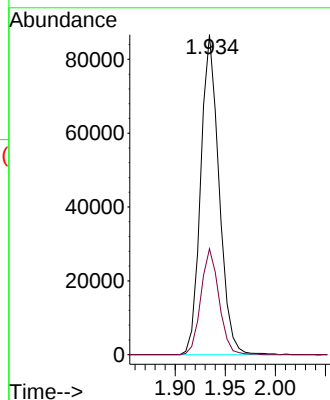


#2
 Dichlorodifluoromethane
 Concen: 28.275 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

Instrument :
 MSVOA_D
 ClientSampleId :

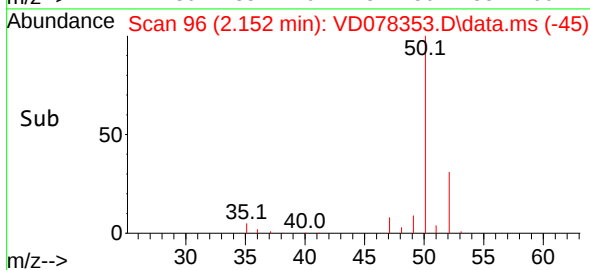
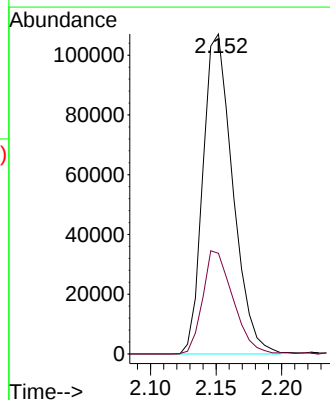
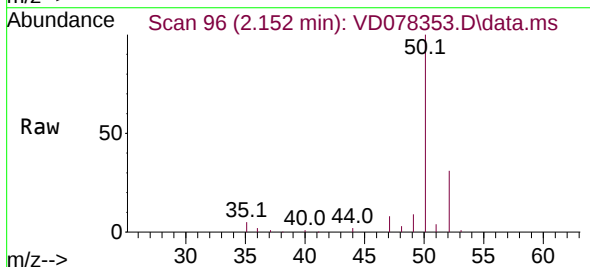


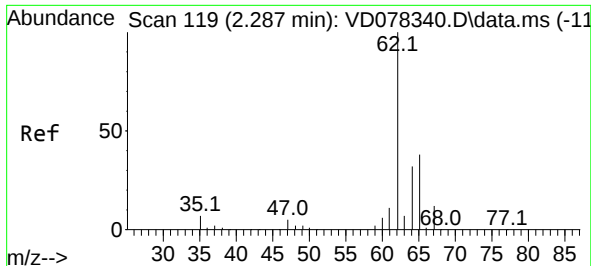
Tgt Ion: 85 Resp: 110578
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.3 37.9



#3
 Chloromethane
 Concen: 29.849 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

Tgt Ion: 50 Resp: 169775
 Ion Ratio Lower Upper
 50 100
 52 31.5 22.7 42.3

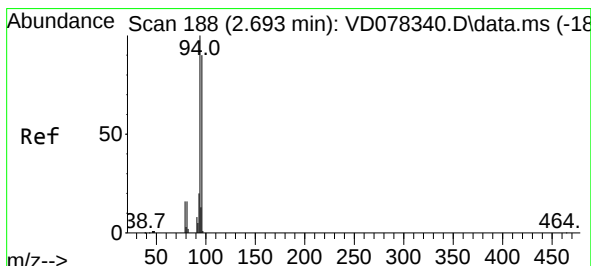
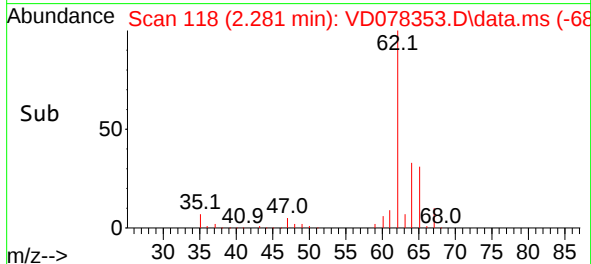
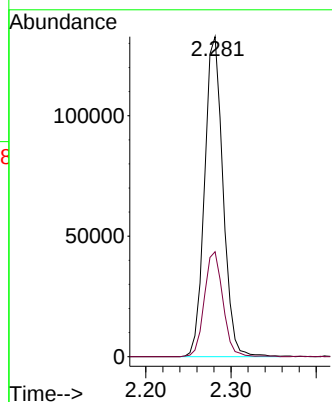
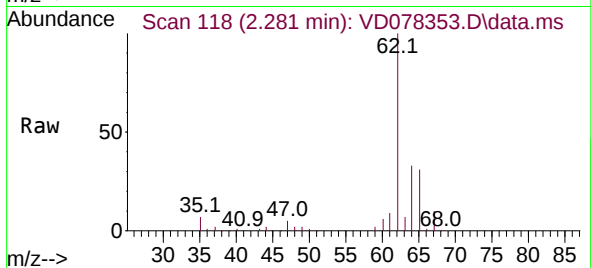




#5
 Vinyl chloride
 Concen: 28.377 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

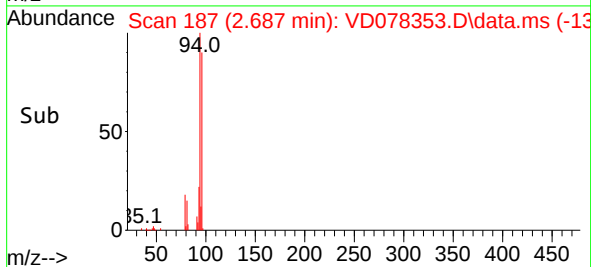
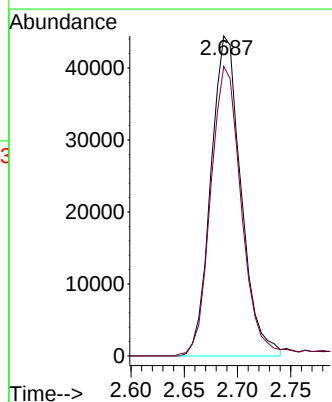
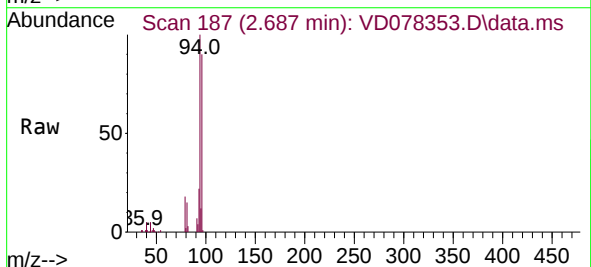
Instrument :
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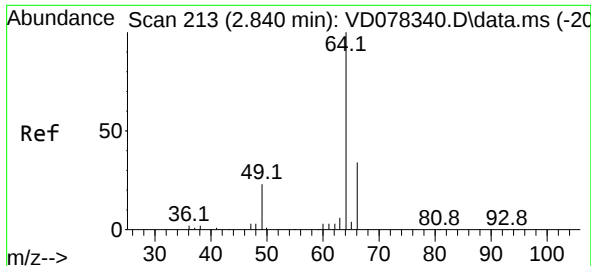
Tgt Ion: 62 Resp: 199555
 Ion Ratio Lower Upper
 62 100
 64 32.8 21.7 40.3



#6
 Bromomethane
 Concen: 27.412 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. -0.006 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

Tgt Ion: 94 Resp: 87397
 Ion Ratio Lower Upper
 94 100
 96 90.5 64.8 120.4

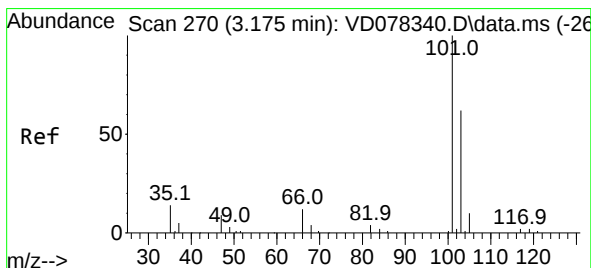
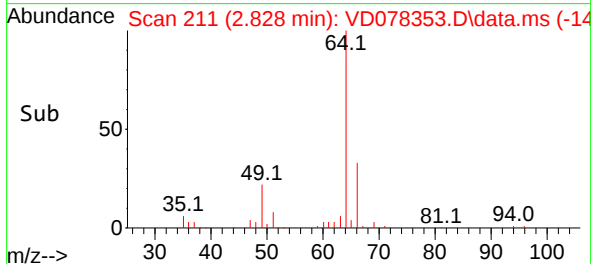
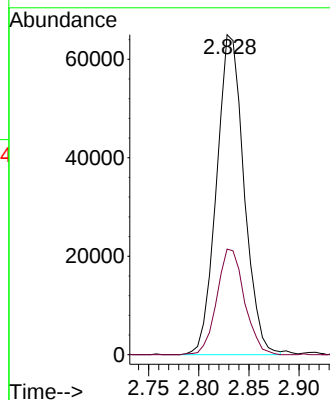
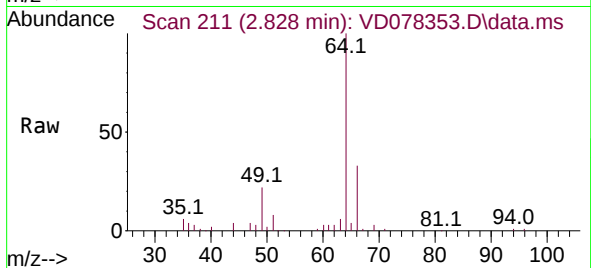




#8
Chloroethane
Concen: 27.699 ug/L
RT: 2.828 min Scan# 213
Delta R.T. -0.012 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

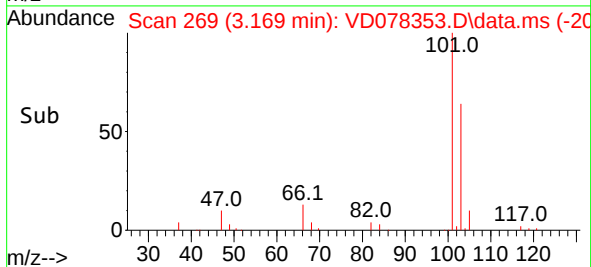
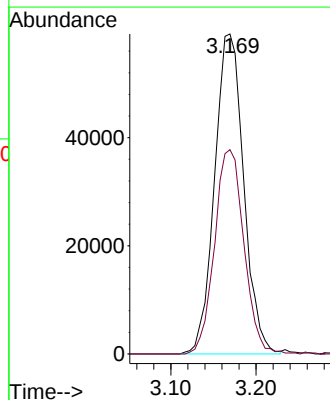
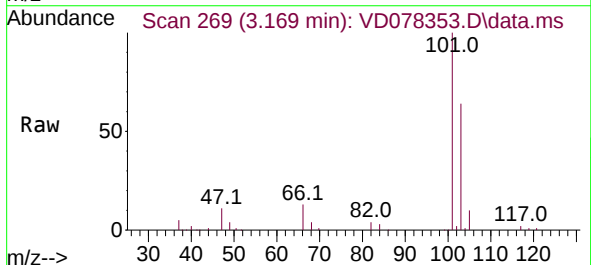
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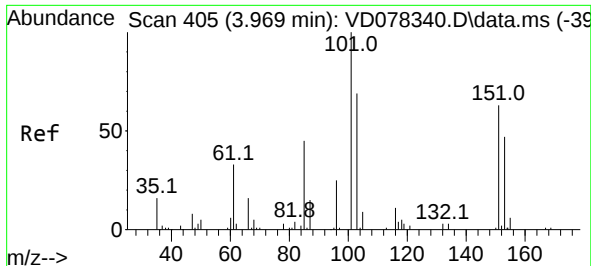
Tgt Ion: 64 Resp: 124019
Ion Ratio Lower Upper
64 100
66 33.0 22.8 42.4



#9
Trichlorofluoromethane
Concen: 28.114 ug/L
RT: 3.169 min Scan# 269
Delta R.T. -0.006 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion:101 Resp: 140548
Ion Ratio Lower Upper
101 100
103 64.2 51.1 76.7

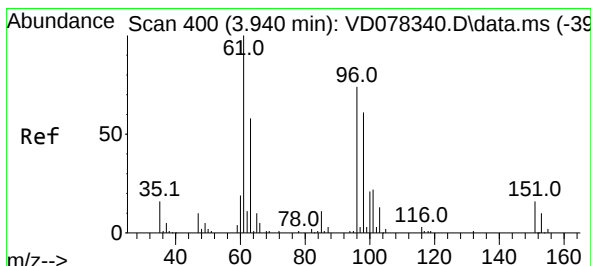
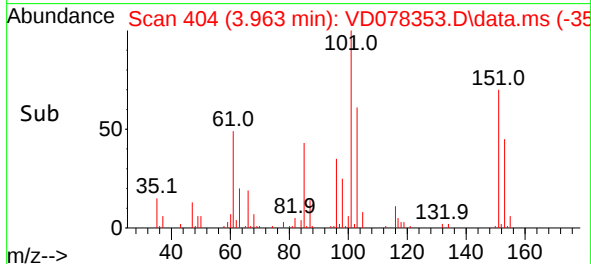
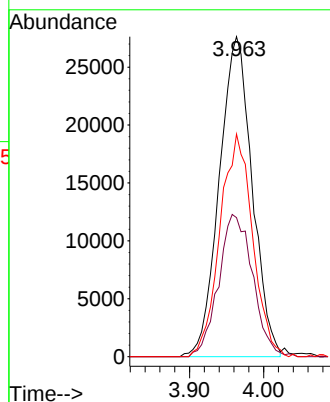
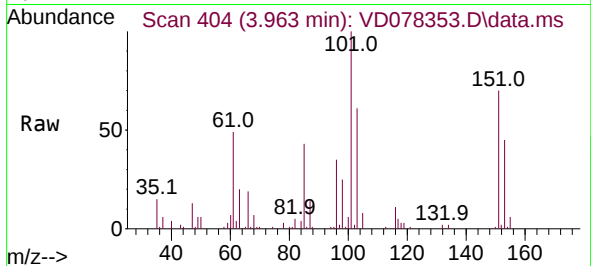




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 27.331 ug/L
 RT: 3.963 min Scan# 405
 Delta R.T. -0.006 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

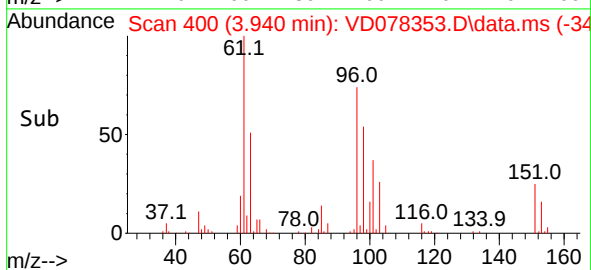
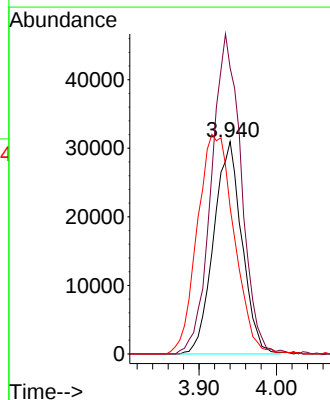
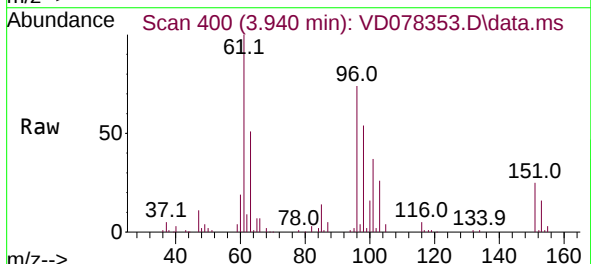
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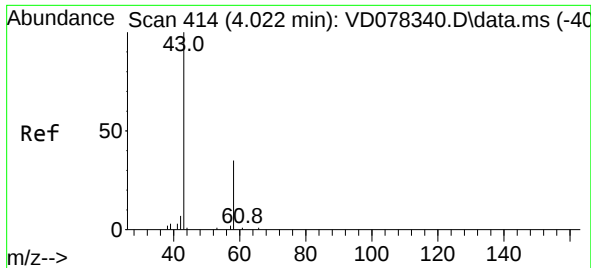
Tgt Ion:101 Resp: 85022
 Ion Ratio Lower Upper
 101 100
 85 46.0 34.6 51.8
 151 68.8 54.6 81.8



#12
 1,1-Dichloroethene
 Concen: 27.239 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

Tgt Ion: 96 Resp: 78423
 Ion Ratio Lower Upper
 96 100
 61 134.8 108.8 202.2
 63 69.0 65.2 121.0





#13

Acetone

Concen: 50.351 ug/L

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

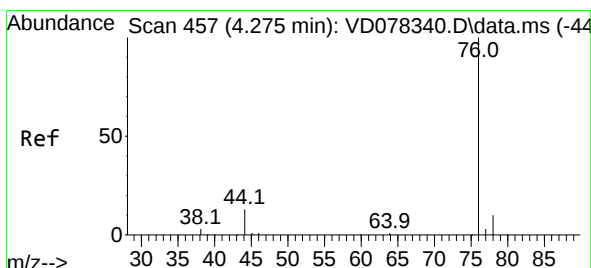
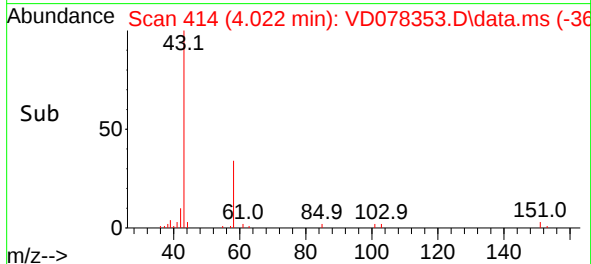
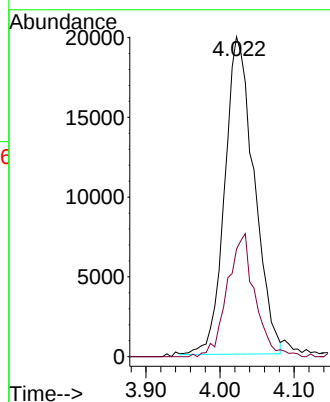
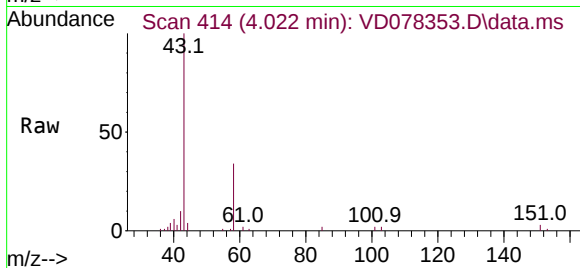
ClientSampleId :

Tgt Ion: 43 Resp: 54775

Ion Ratio Lower Upper

43 100

58 35.5 0.0 67.2



#14

Carbon disulfide

Concen: 24.787 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD078353.D

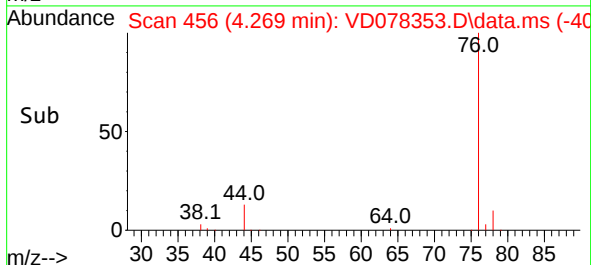
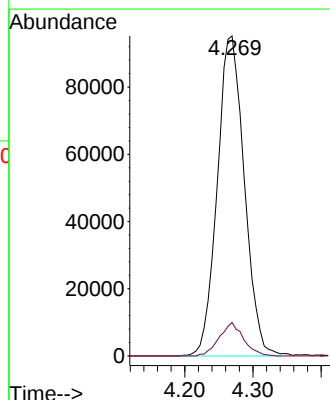
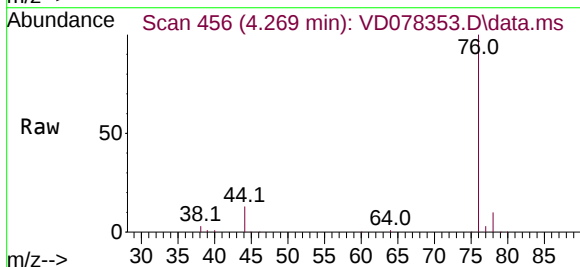
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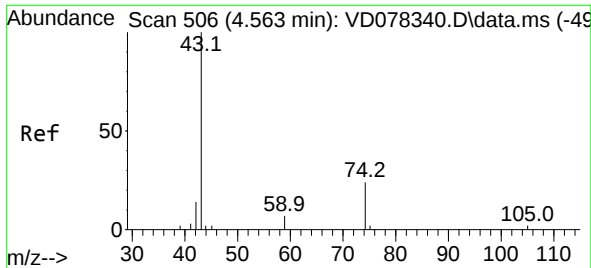
Tgt Ion: 76 Resp: 263031

Ion Ratio Lower Upper

76 100

78 10.5 7.8 11.8

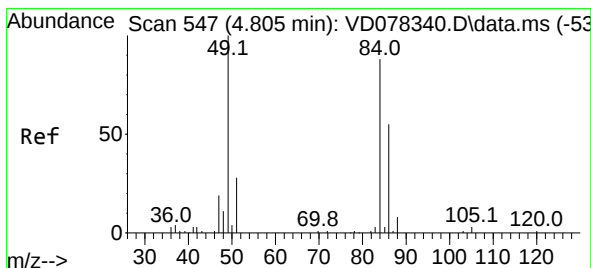
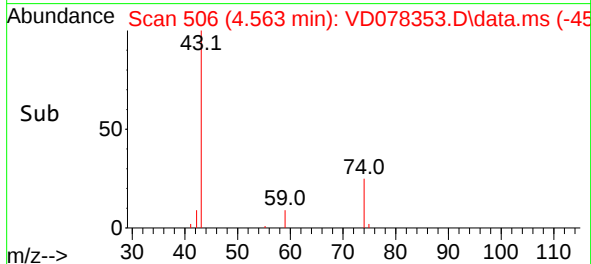
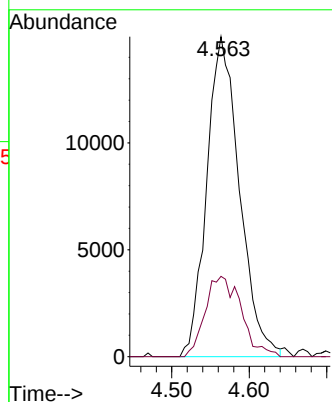
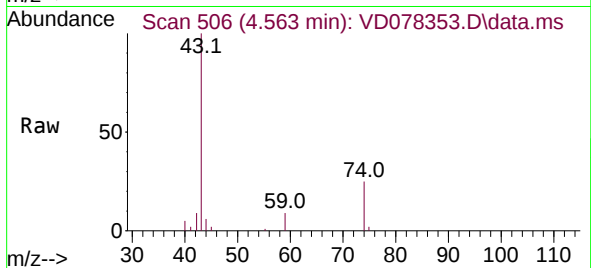




#15
Methyl Acetate
Concen: 26.985 ug/L
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

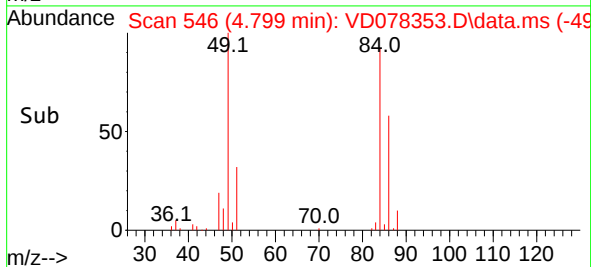
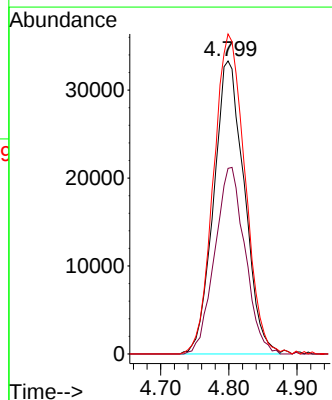
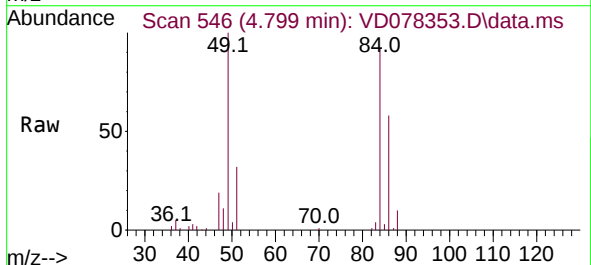
Instrument :
MSVOA_D
ClientSampleId :

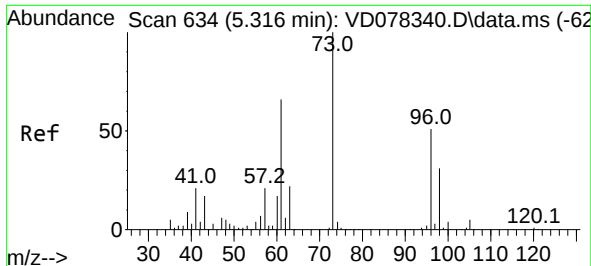
Tgt Ion: 43 Resp: 43986
Ion Ratio Lower Upper
43 100
74 18.6 12.7 19.1



#16
Methylene chloride
Concen: 26.758 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion: 84 Resp: 104086
Ion Ratio Lower Upper
84 100
86 63.3 45.4 84.2
49 109.2 77.3 143.7

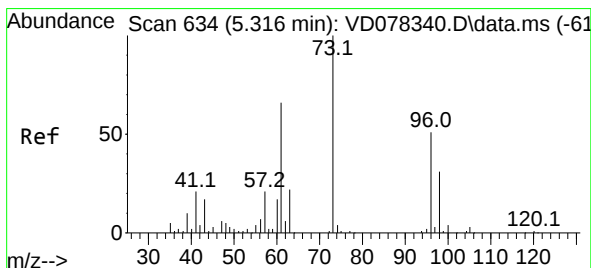
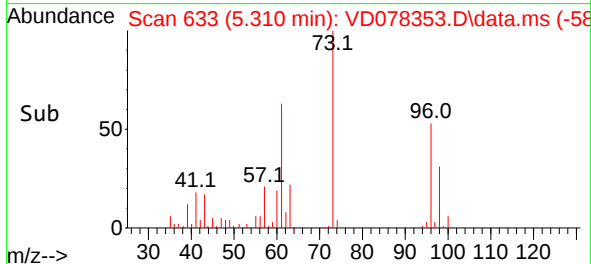
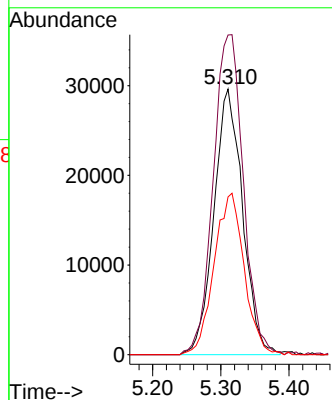
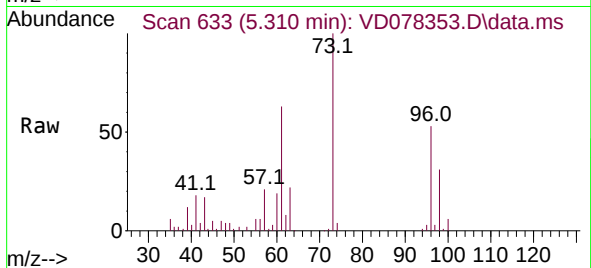




#17
trans-1,2-Dichloroethene
Concen: 27.330 ug/L
RT: 5.310 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

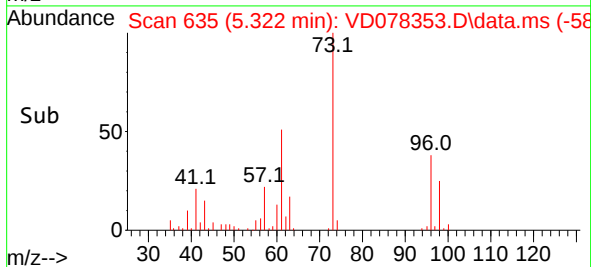
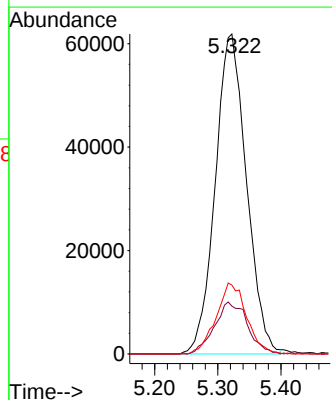
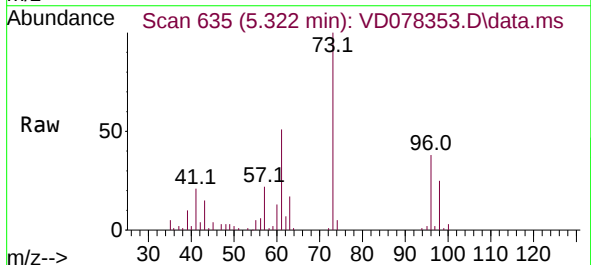
Instrument :
MSVOA_D
ClientSampleId :

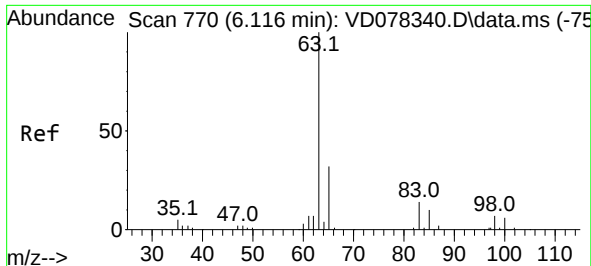
Tgt Ion: 96 Resp: 86705
Ion Ratio Lower Upper
96 100
61 120.4 82.7 153.7
98 59.4 40.7 75.7



#18
Methyl tert-butyl Ether
Concen: 28.775 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.006 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion: 73 Resp: 212322
Ion Ratio Lower Upper
73 100
43 12.5 13.3 19.9#
57 21.6 17.2 25.8





#19

1,1-Dichloroethane

Concen: 28.163 ug/L

RT: 6.110 min Scan# 770

Delta R.T. -0.006 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

ClientSampleId :

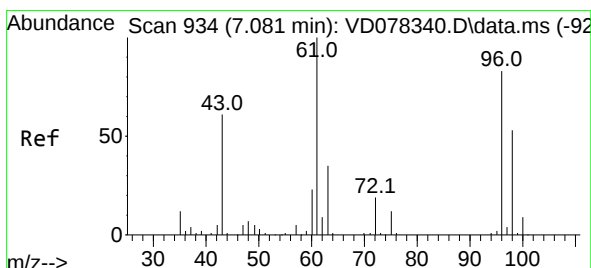
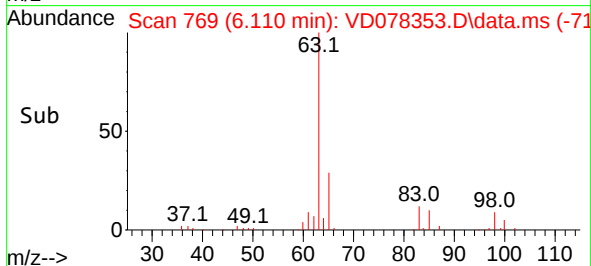
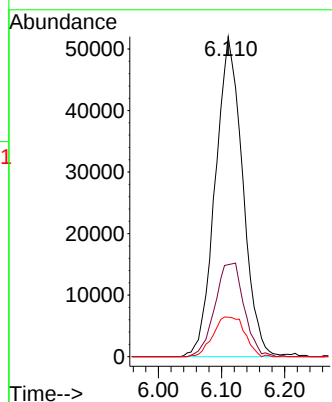
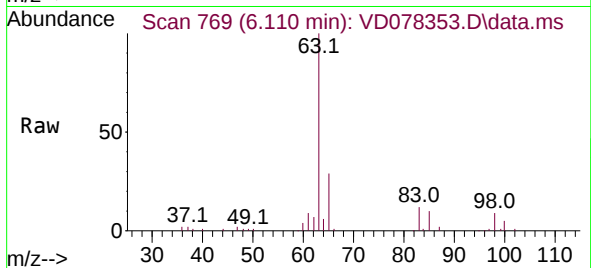
Tgt Ion: 63 Resp: 156346

Ion Ratio Lower Upper

63 100

65 28.8 21.8 40.4

83 12.4 10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 28.581 ug/L

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

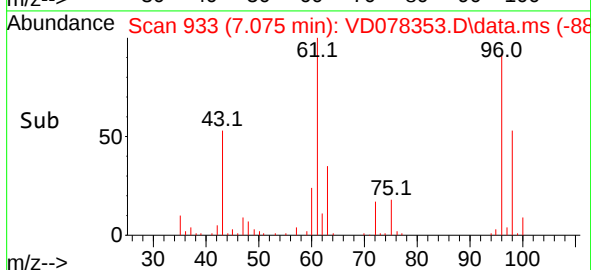
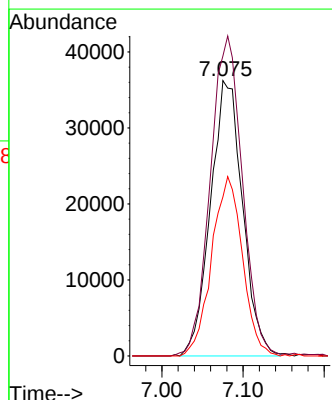
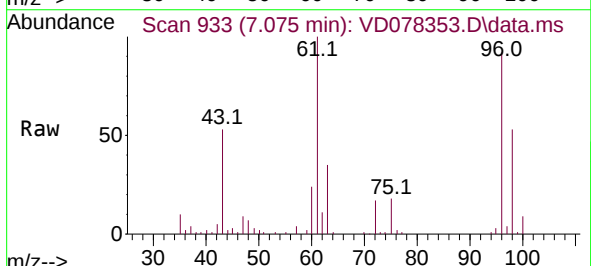
Tgt Ion: 96 Resp: 99377

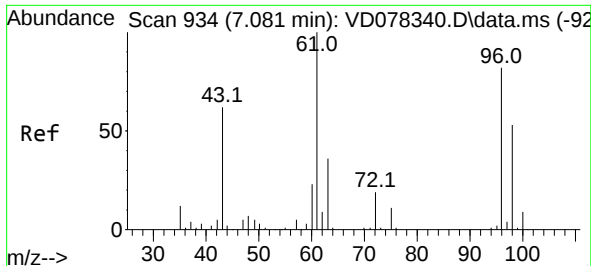
Ion Ratio Lower Upper

96 100

61 108.9 75.6 140.4

98 57.7 43.1 80.1

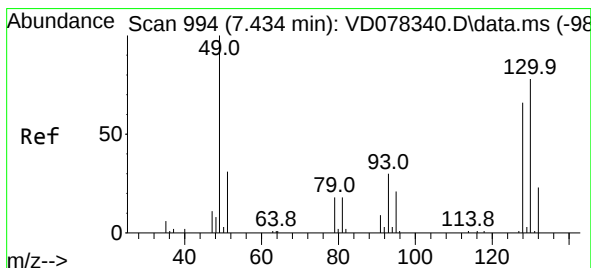
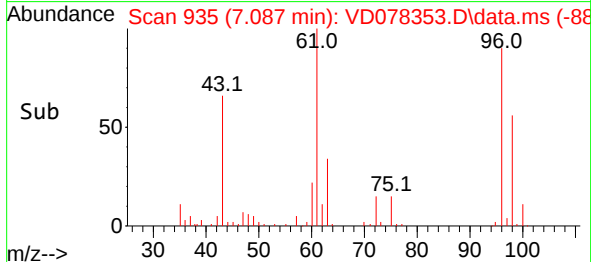
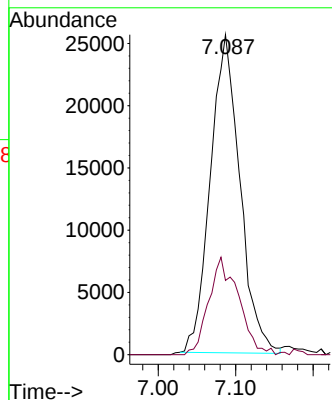
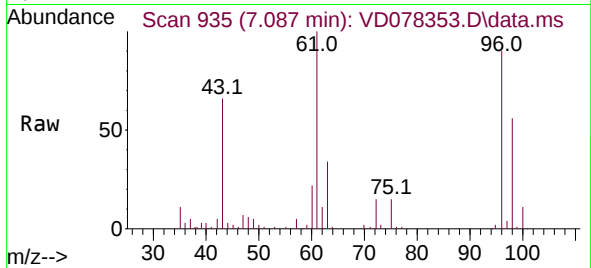




#22
2-Butanone
Concen: 51.513 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

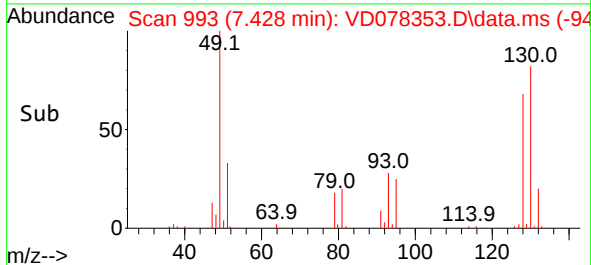
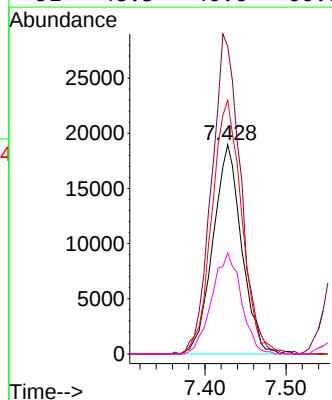
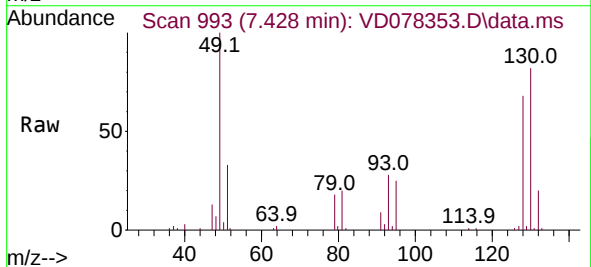
Instrument :
MSVOA_D
ClientSampleId :

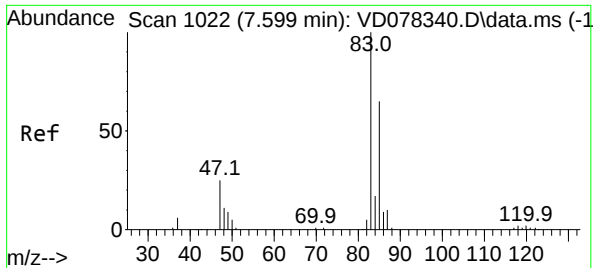
Tgt Ion: 43 Resp: 67852
Ion Ratio Lower Upper
43 100
72 17.7 15.4 46.2



#23
Bromochloromethane
Concen: 30.190 ug/L
RT: 7.428 min Scan# 993
Delta R.T. -0.006 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion:128 Resp: 46367
Ion Ratio Lower Upper
128 100
49 146.9 102.7 190.7
130 121.2 82.6 153.4
51 48.3 40.6 60.8

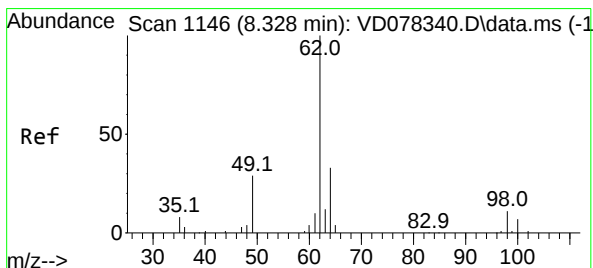
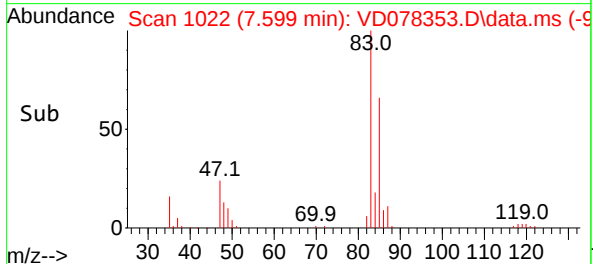
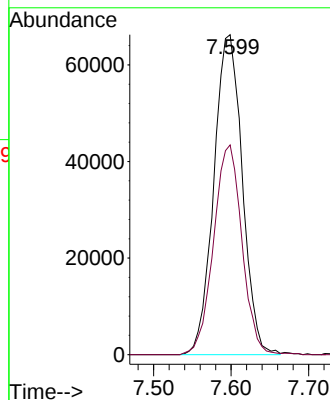
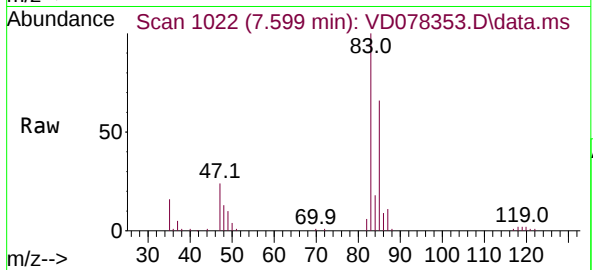




#25
Chloroform
Concen: 27.919 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

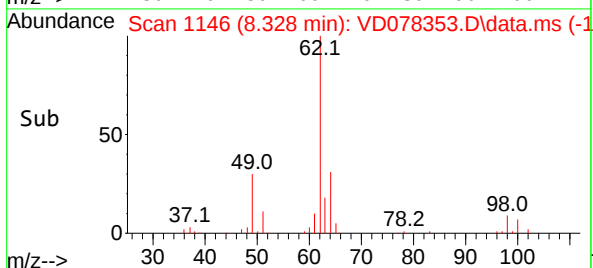
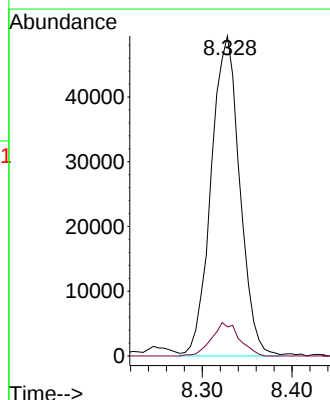
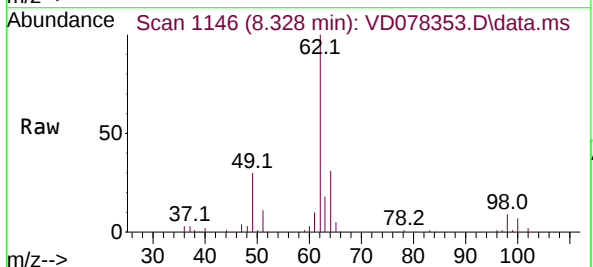
Instrument :
MSVOA_D
ClientSampleId :

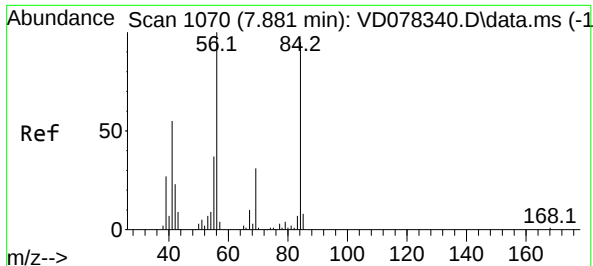
Tgt Ion: 83 Resp: 169132
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.3



#27
1,2-Dichloroethane
Concen: 28.166 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion: 62 Resp: 109582
Ion Ratio Lower Upper
62 100
98 9.1 9.5 14.3#





#29

Cyclohexane

Concen: 28.336 ug/L

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

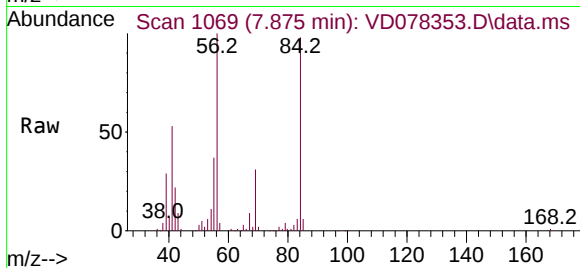
Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

ClientSampleId :



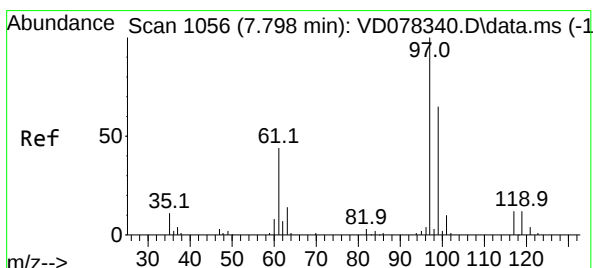
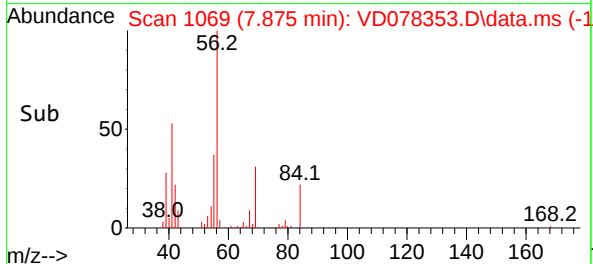
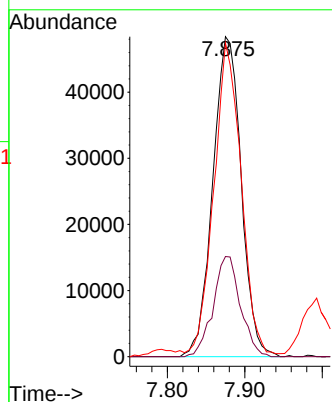
Tgt Ion: 56 Resp: 123198

Ion Ratio Lower Upper

56 100

69 30.1 23.3 34.9

84 95.1 74.7 112.1



#30

1,1,1-Trichloroethane

Concen: 29.032 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

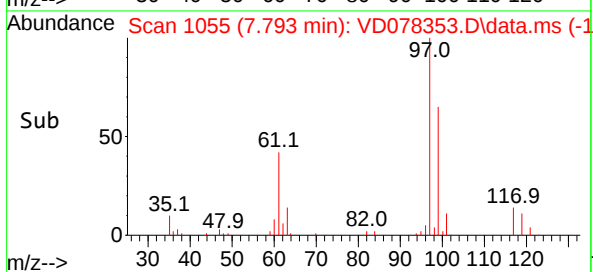
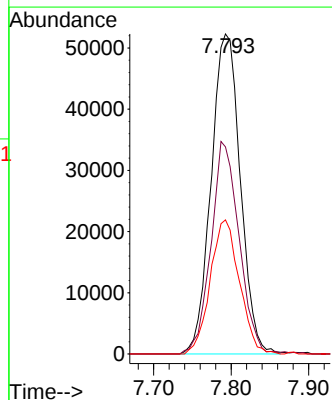
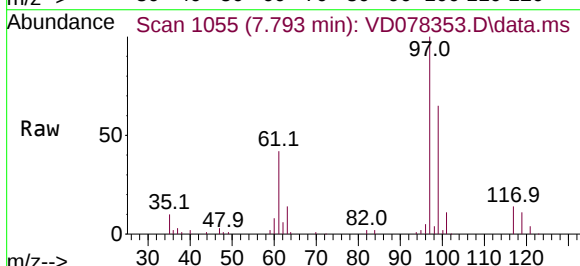
Tgt Ion: 97 Resp: 136875

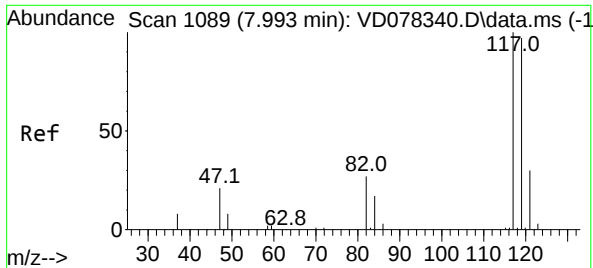
Ion Ratio Lower Upper

97 100

99 63.5 50.7 76.1

61 41.9 34.4 51.6

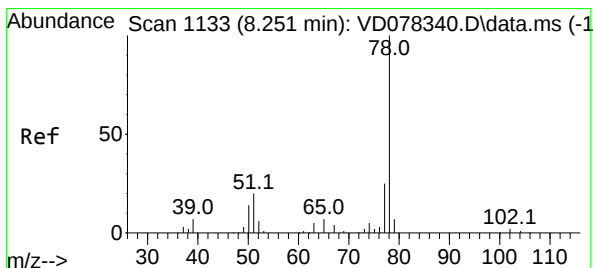
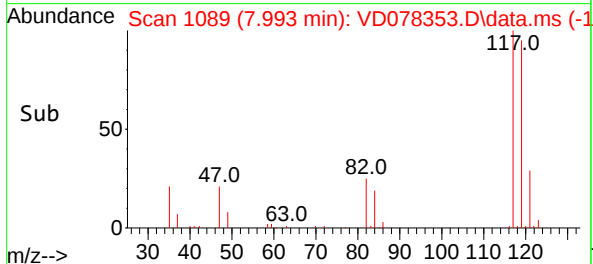
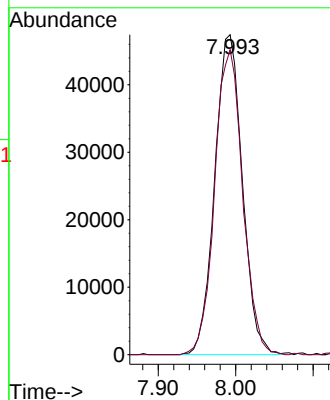
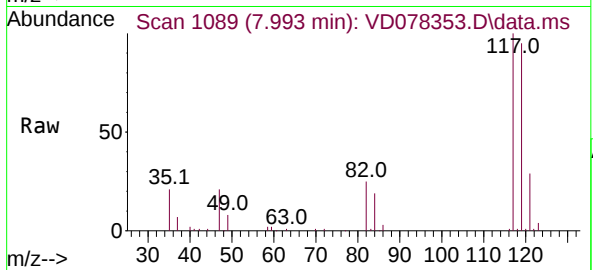




#31
Carbon tetrachloride
Concen: 28.301 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

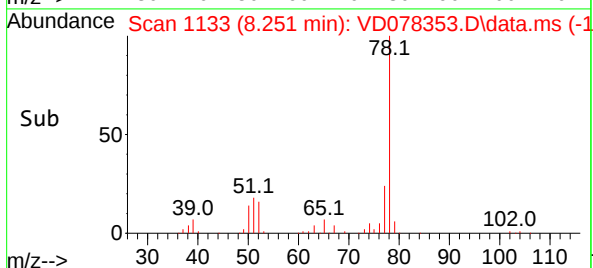
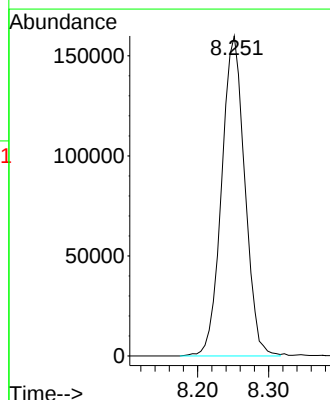
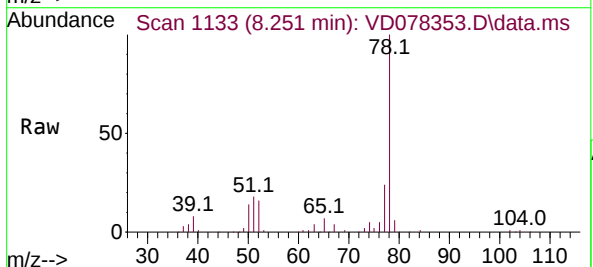
Instrument :
MSVOA_D
ClientSampleId :

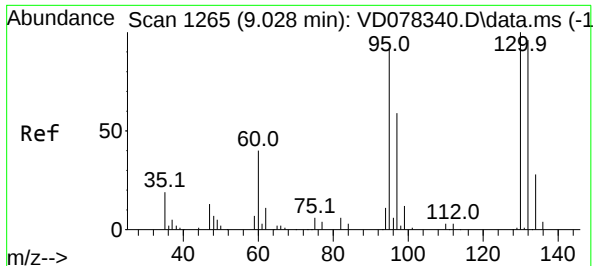
Tgt Ion:117 Resp: 117542
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.4



#33
Benzene
Concen: 27.885 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion: 78 Resp: 361393





#34

Trichloroethene

Concen: 28.128 ug/L

RT: 9.028 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 92070

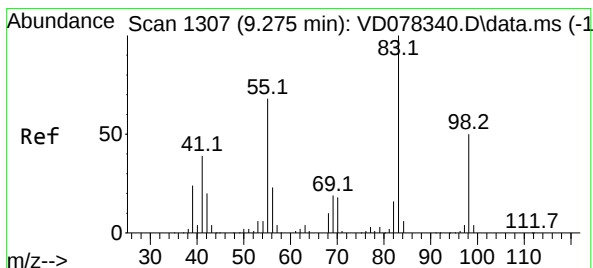
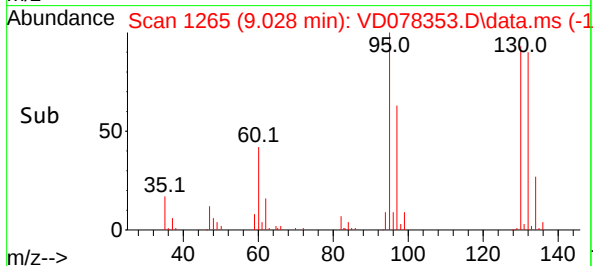
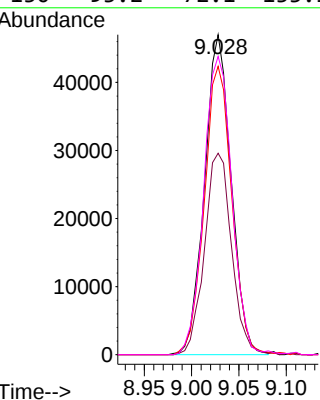
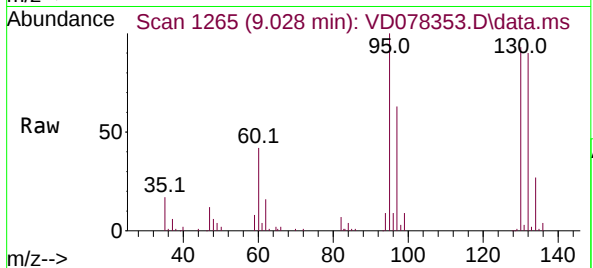
Ion Ratio Lower Upper

95 100

97 63.0 46.9 87.1

132 90.1 73.7 136.9

130 93.2 72.1 133.9



#35

Methylcyclohexane

Concen: 27.694 ug/L

RT: 9.275 min Scan# 1307

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

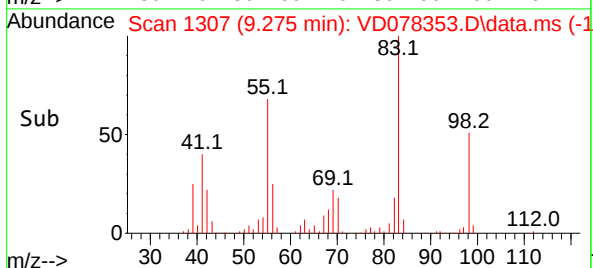
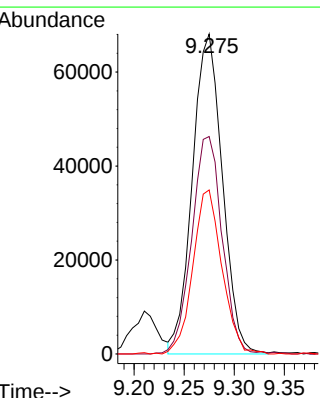
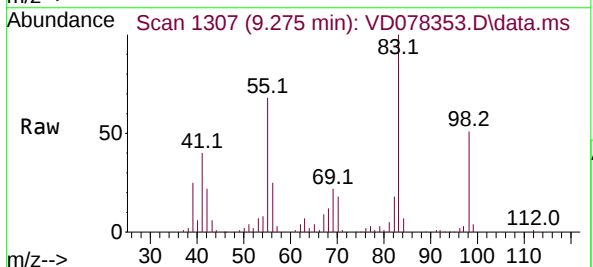
Tgt Ion: 83 Resp: 141847

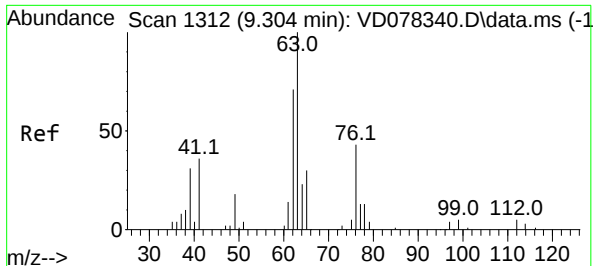
Ion Ratio Lower Upper

83 100

55 68.7 56.2 84.4

98 49.2 41.2 61.8





#37

1,2-Dichloropropane

Concen: 28.863 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

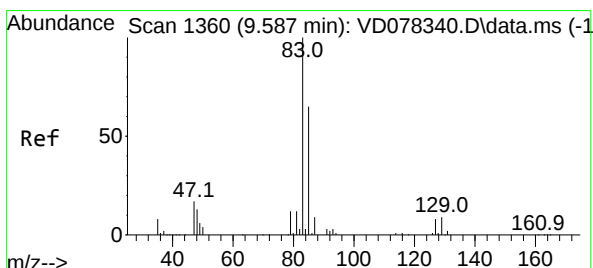
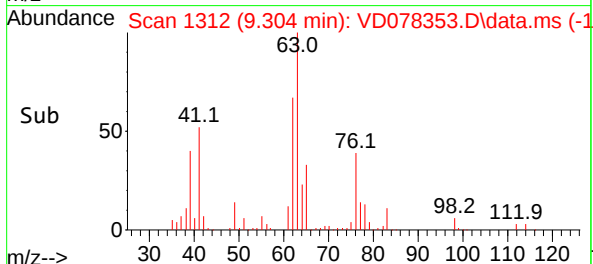
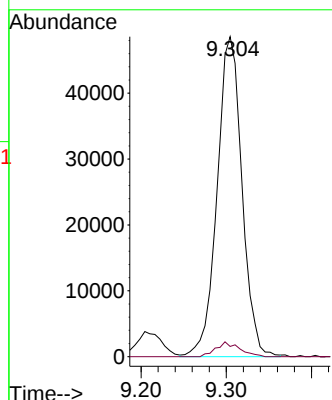
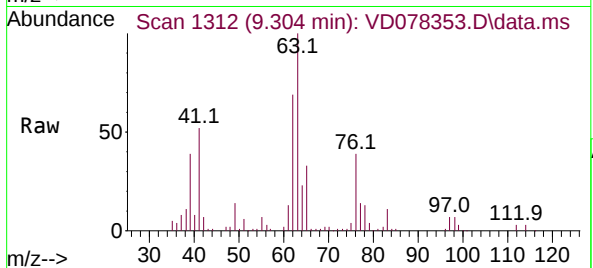
ClientSampleId :

Tgt Ion: 63 Resp: 98569

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#38

Bromodichloromethane

Concen: 29.085 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

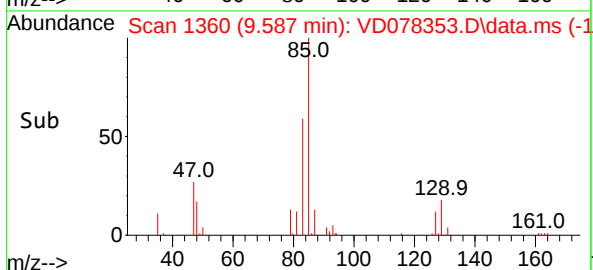
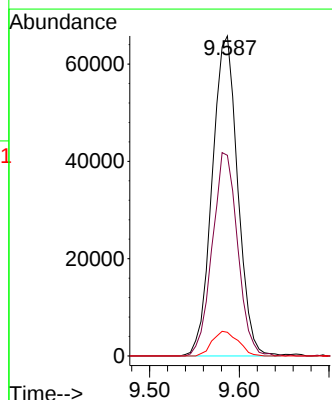
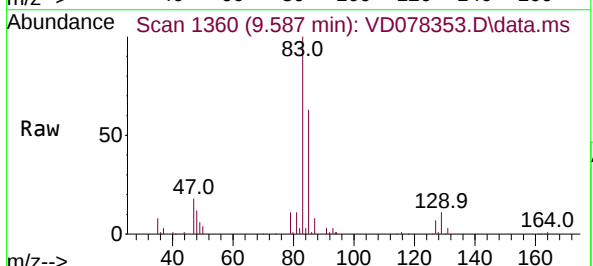
Tgt Ion: 83 Resp: 129596

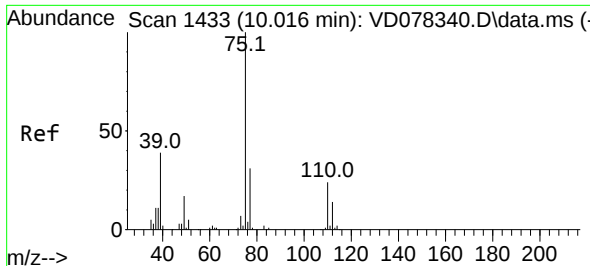
Ion Ratio Lower Upper

83 100

85 62.7 46.6 86.6

127 7.4 8.1 12.1#

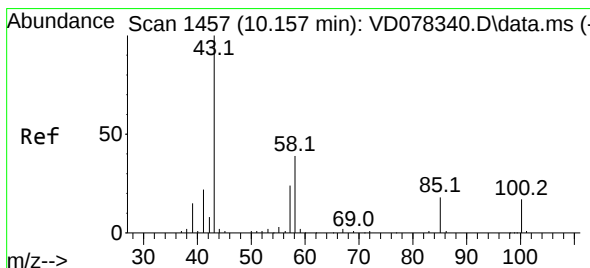
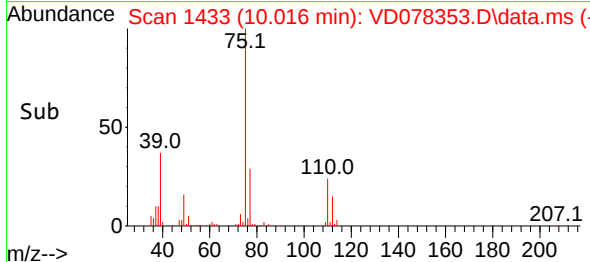
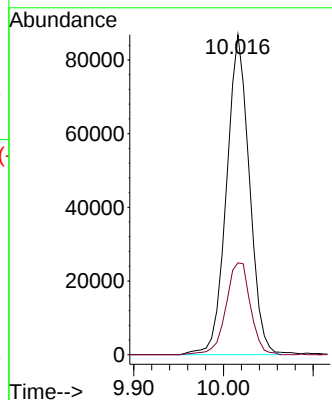
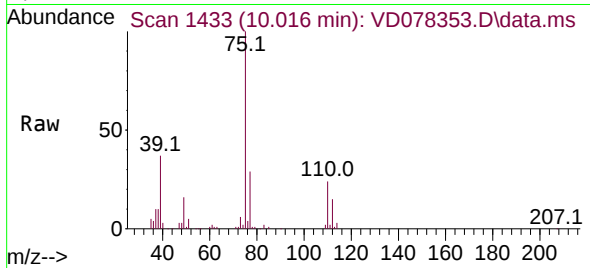




#39
 cis-1,3-Dichloropropene
 Concen: 28.902 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

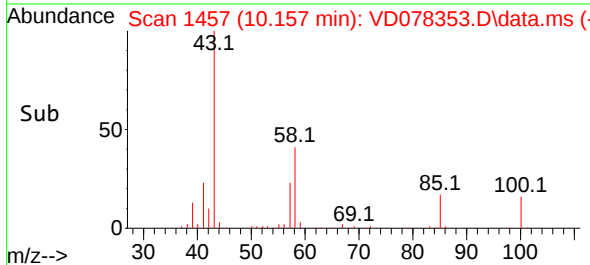
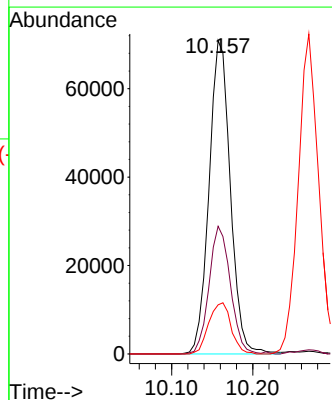
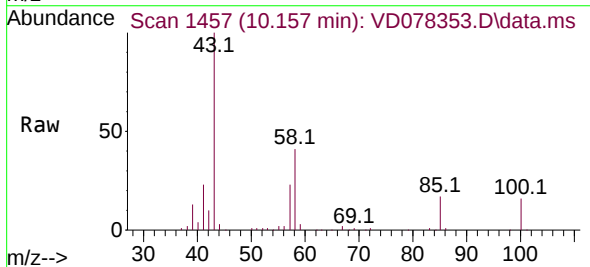
Instrument :
 MSVOA_D
 ClientSampleId :

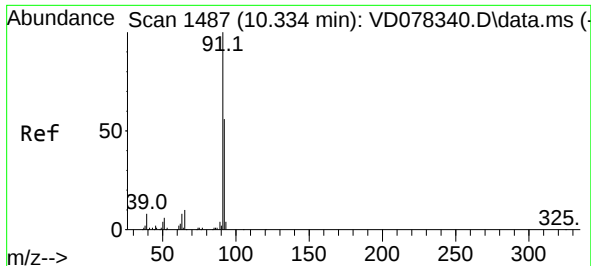
Tgt Ion: 75 Resp: 153636
 Ion Ratio Lower Upper
 75 100
 77 28.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 60.926 ug/L
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

Tgt Ion: 43 Resp: 129221
 Ion Ratio Lower Upper
 43 100
 58 40.7 34.0 51.0
 100 17.1 13.2 19.8

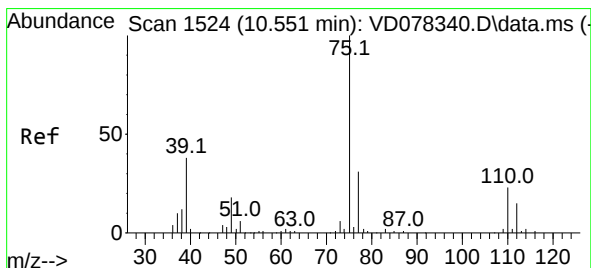
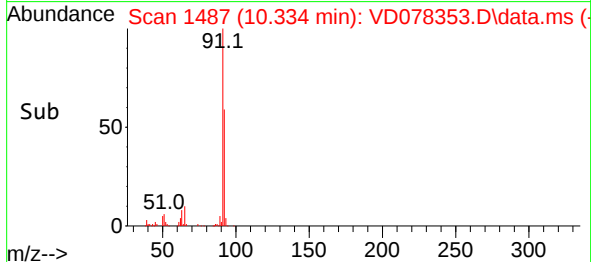
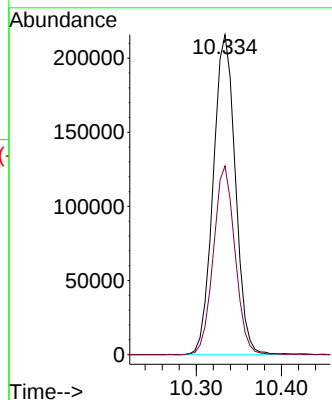
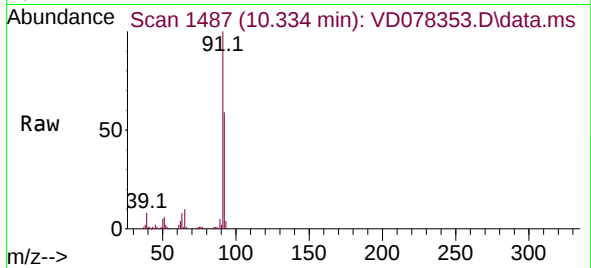




#42
Toluene
Concen: 28.871 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

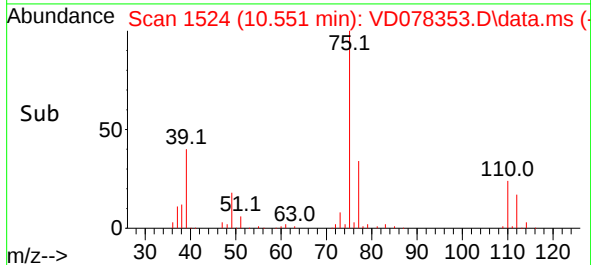
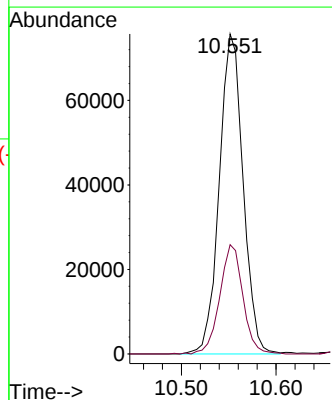
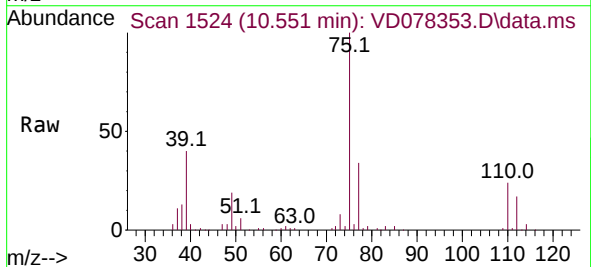
Instrument :
MSVOA_D
ClientSampleId :

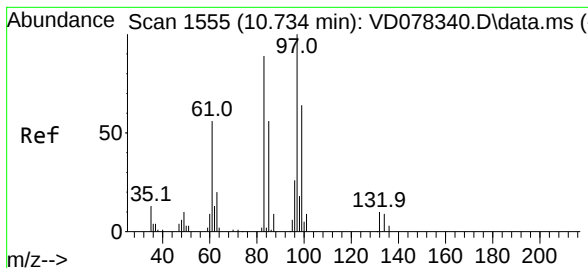
Tgt Ion: 91 Resp: 389306
Ion Ratio Lower Upper
91 100
92 59.0 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 28.440 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion: 75 Resp: 132271
Ion Ratio Lower Upper
75 100
77 34.1 20.7 38.5





#45

1,1,2-Trichloroethane

Concen: 28.516 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 77625

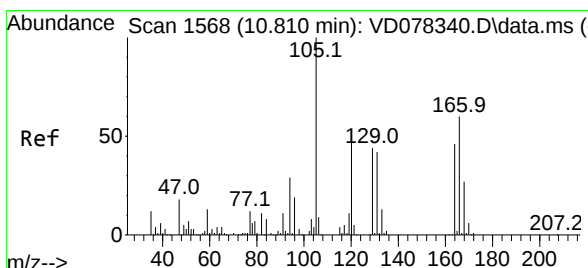
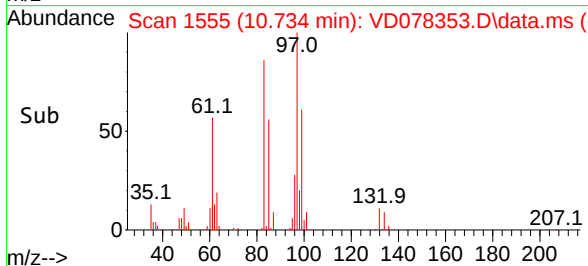
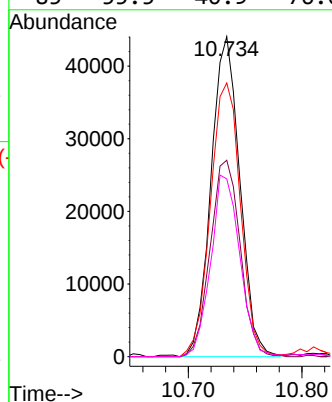
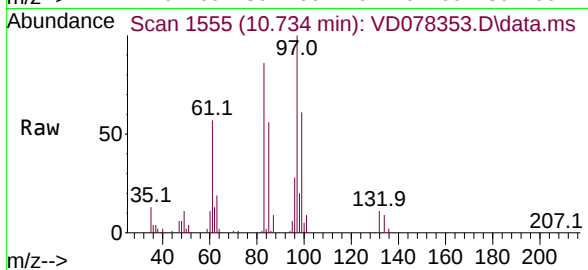
Ion Ratio Lower Upper

97 100

99 61.4 45.4 84.4

83 85.5 59.5 110.5

85 55.5 40.9 76.0



#46

Tetrachloroethene

Concen: 28.559 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Tgt Ion:164 Resp: 64190

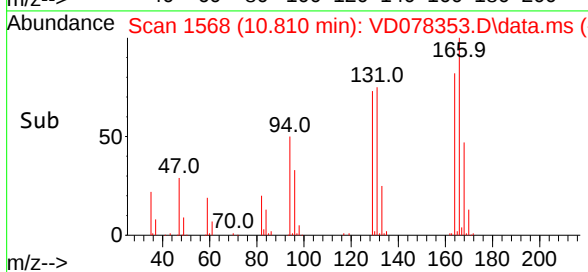
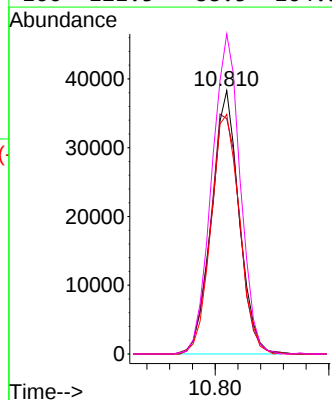
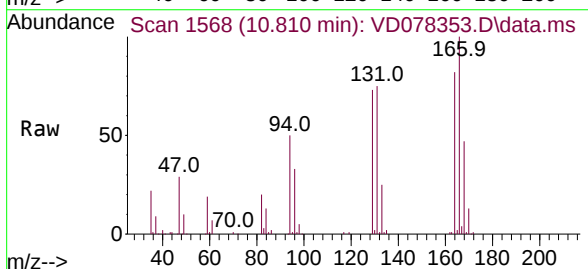
Ion Ratio Lower Upper

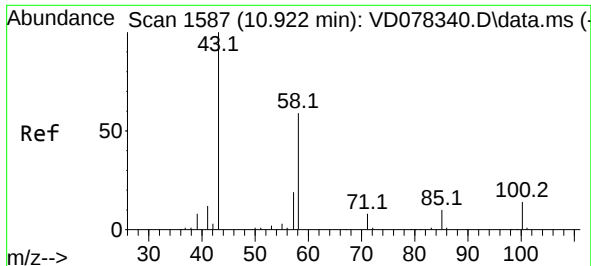
164 100

129 89.3 66.7 123.9

131 91.0 65.2 121.0

166 121.5 88.5 164.3

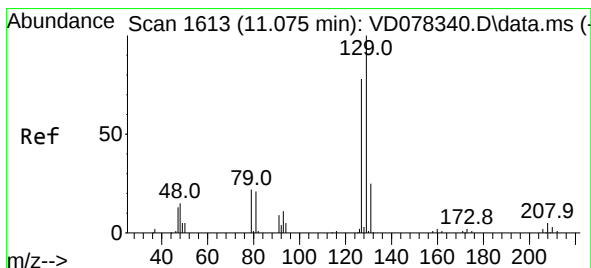
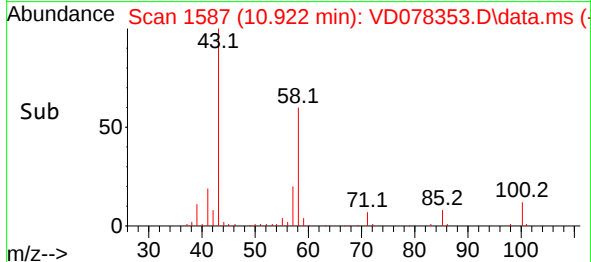
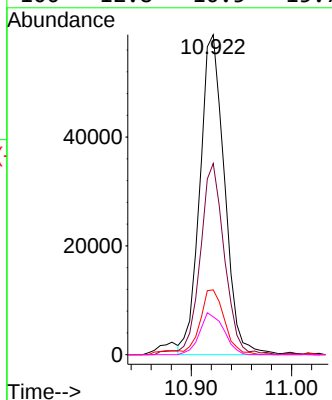
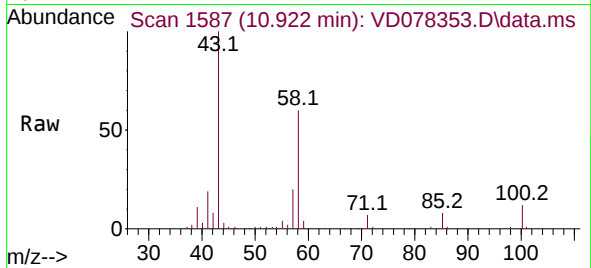




#48
2-Hexanone
Concen: 57.944 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

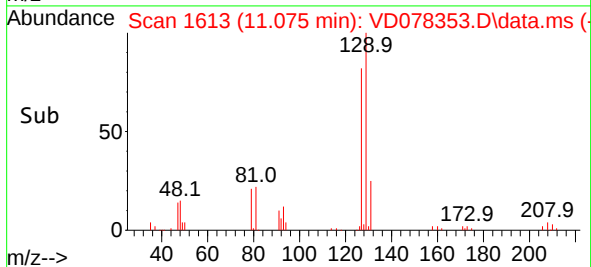
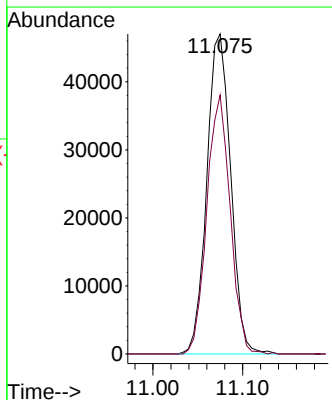
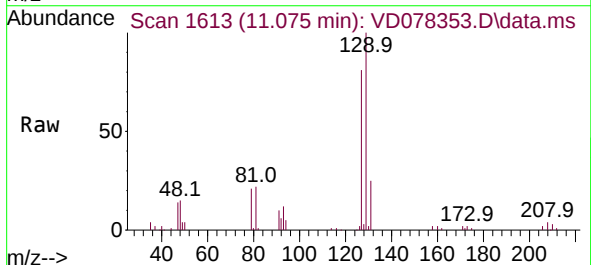
Instrument :
MSVOA_D
ClientSampleId :

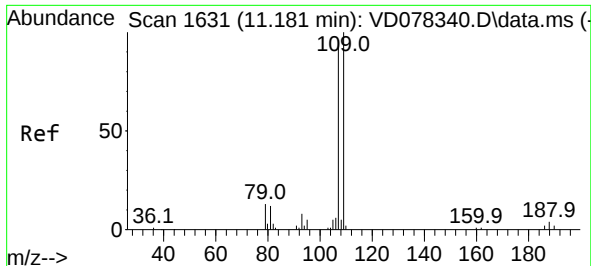
Tgt Ion: 43 Resp: 100244
Ion Ratio Lower Upper
43 100
58 58.0 48.5 72.7
57 19.9 15.6 23.4
100 12.8 10.5 15.7



#49
Dibromochloromethane
Concen: 28.453 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion:129 Resp: 87048
Ion Ratio Lower Upper
129 100
127 80.9 52.7 97.9

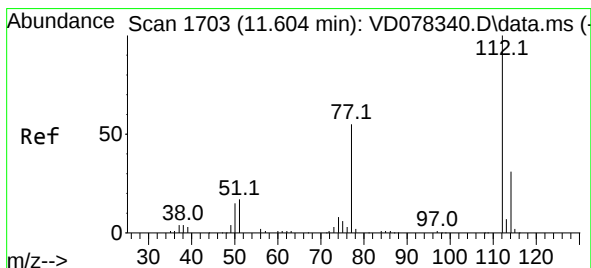
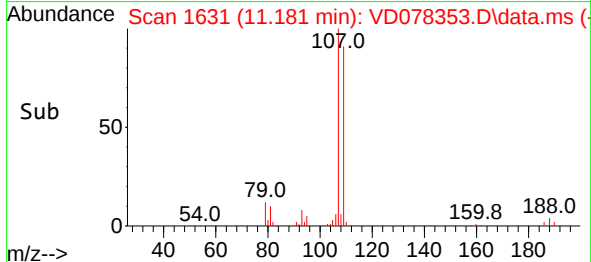
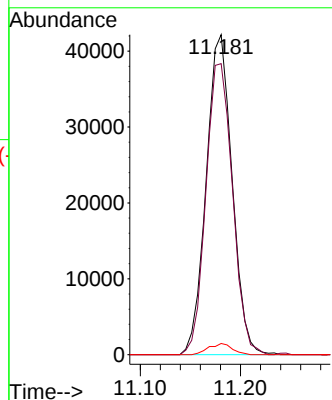
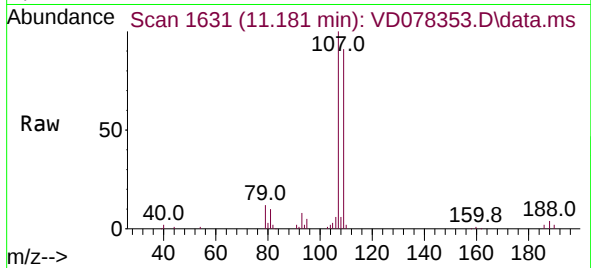




#50
1,2-Dibromoethane
Concen: 28.608 ug/L
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

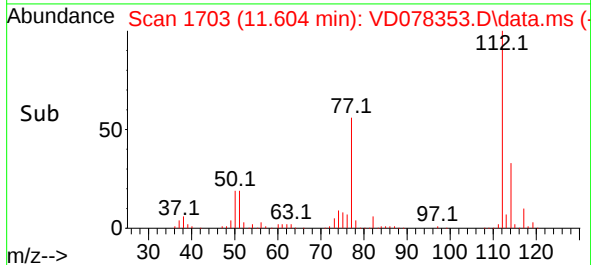
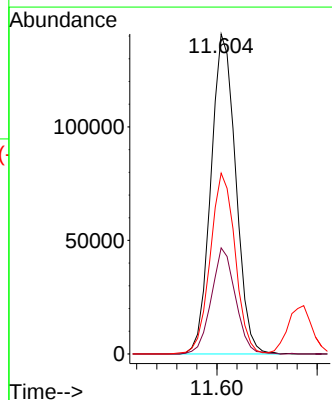
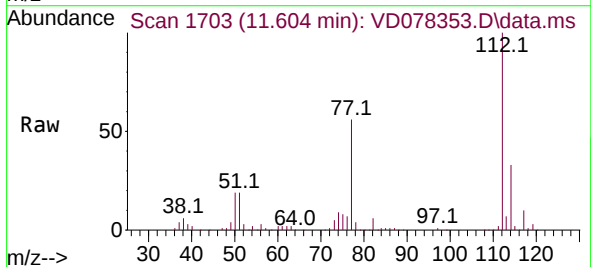
Instrument :
MSVOA_D
ClientSampleId :

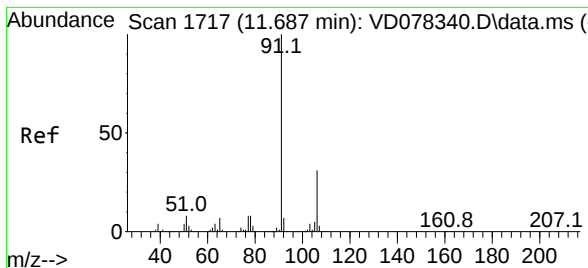
Tgt Ion:107 Resp: 75964
Ion Ratio Lower Upper
107 100
109 91.0 64.0 118.8
188 3.5 3.1 4.7



#51
Chlorobenzene
Concen: 27.700 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion:112 Resp: 241843
Ion Ratio Lower Upper
112 100
114 33.1 22.3 41.3
77 56.5 42.3 63.5





#52

Ethylbenzene

Concen: 28.968 ug/L

RT: 11.681 min Scan# 1716

Delta R.T. -0.006 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

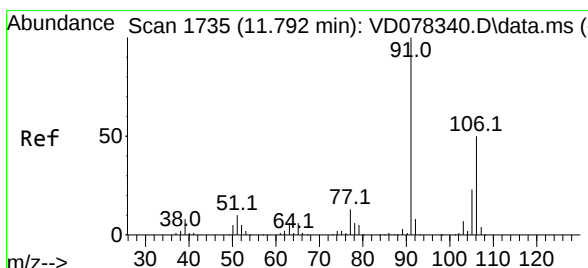
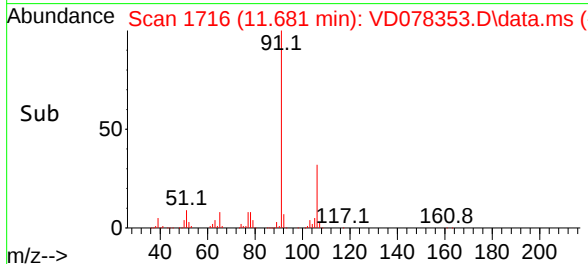
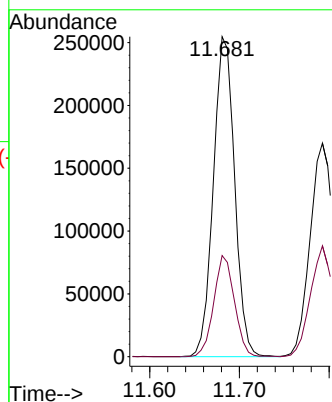
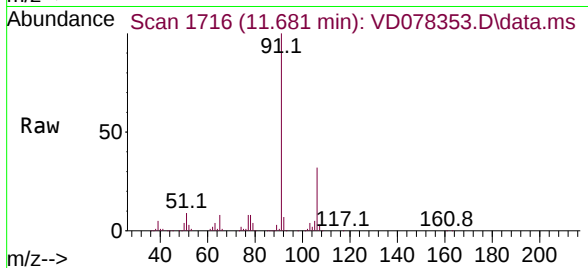
ClientSampleId :

Tgt Ion: 91 Resp: 419593

Ion Ratio Lower Upper

91 100

106 31.6 22.5 41.7



#53

m,p-Xylene

Concen: 28.752 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD078353.D

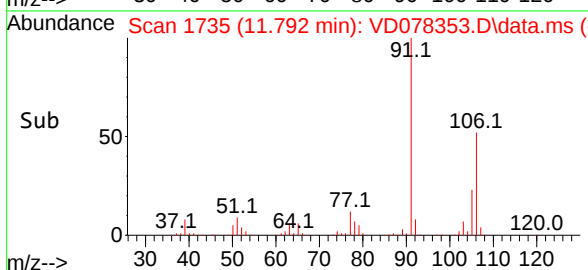
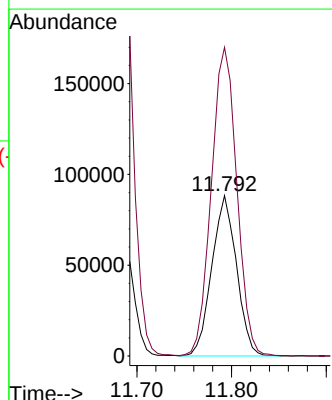
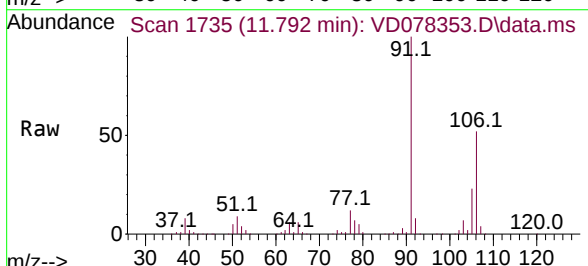
Acq: 05 Feb 2024 18:55

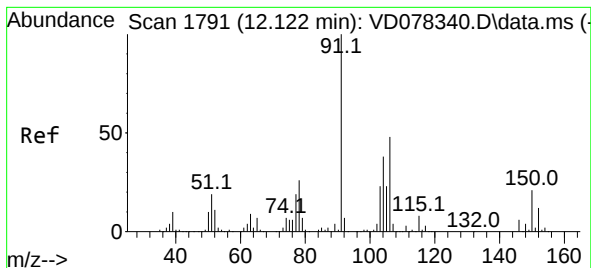
Tgt Ion: 106 Resp: 160056

Ion Ratio Lower Upper

106 100

91 192.5 138.3 256.8





#54

o-Xylene

Concen: 28.325 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

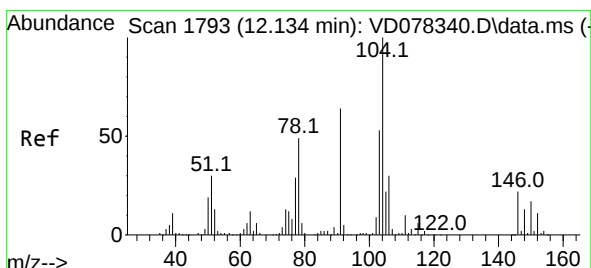
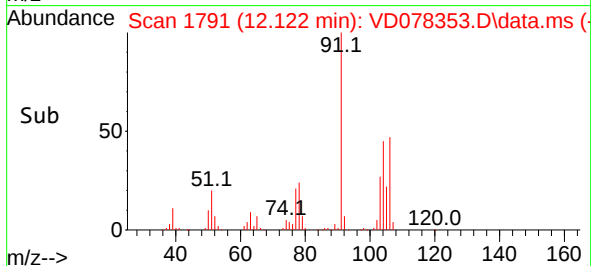
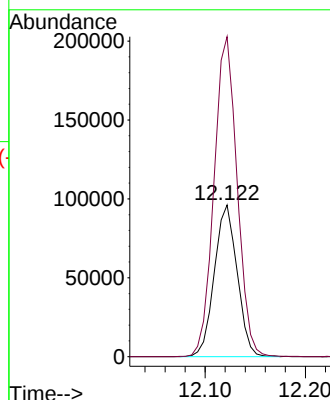
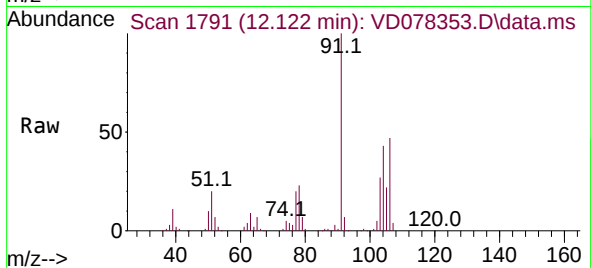
ClientSampleId :

Tgt Ion:106 Resp: 152051

Ion Ratio Lower Upper

106 100

91 211.0 148.0 274.8



#55

Styrene

Concen: 29.554 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD078353.D

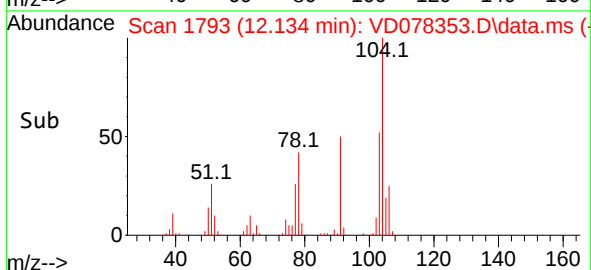
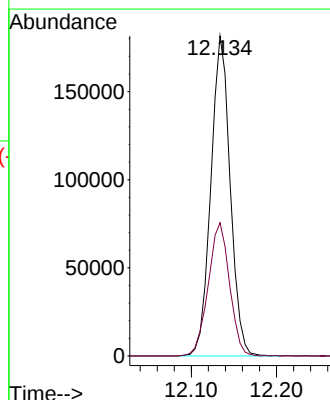
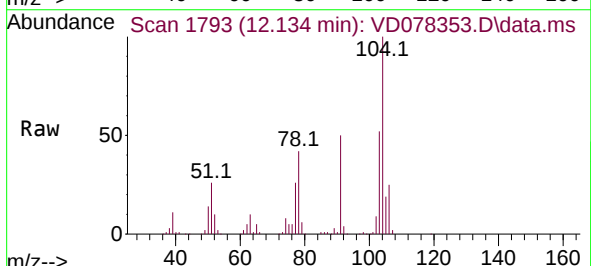
Acq: 05 Feb 2024 18:55

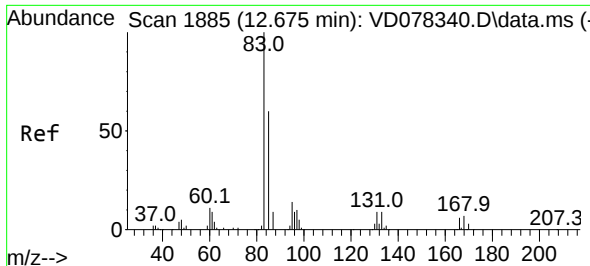
Tgt Ion:104 Resp: 286188

Ion Ratio Lower Upper

104 100

78 41.7 29.5 54.7

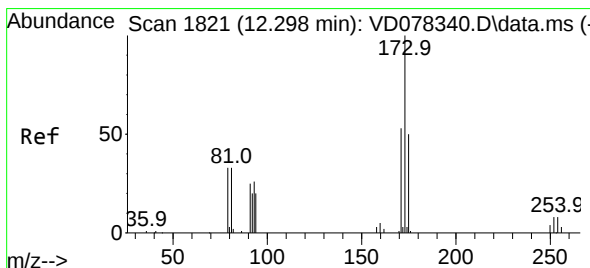
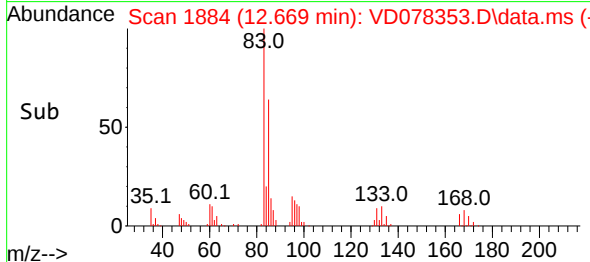
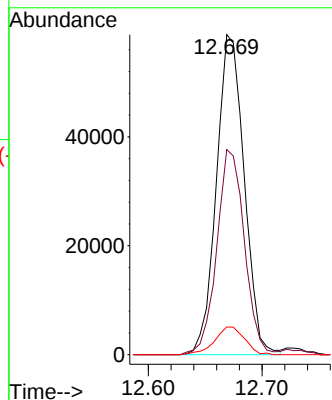
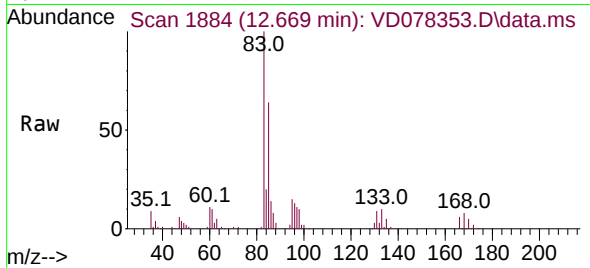




#57
1,1,2-Tetrachloroethane
Concen: 28.677 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

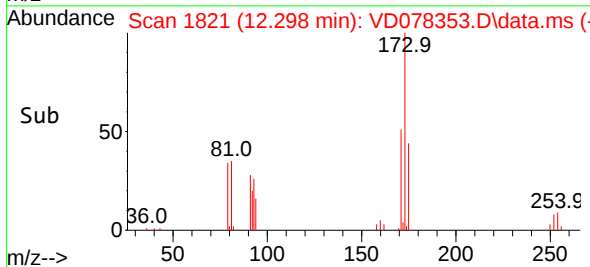
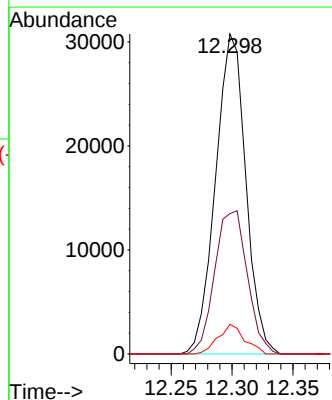
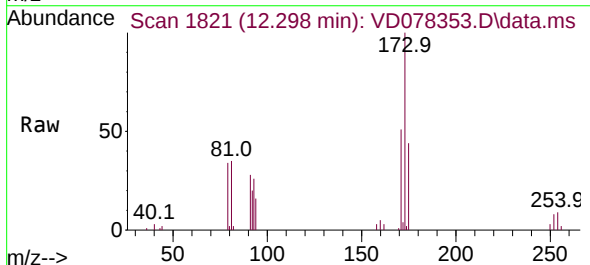
Instrument :
MSVOA_D
ClientSampleId :

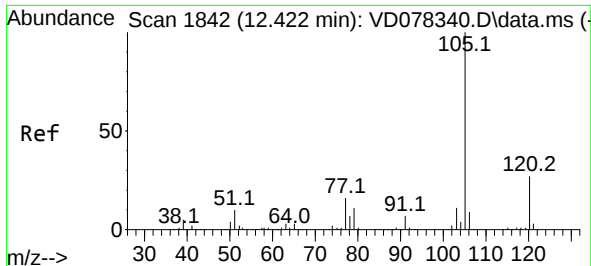
Tgt Ion: 83 Resp: 100019
Ion Ratio Lower Upper
83 100
85 64.1 42.6 79.0
131 8.7 6.0 9.0



#59
Bromoform
Concen: 27.902 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

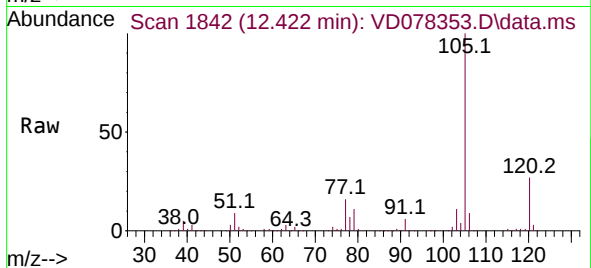
Tgt Ion: 173 Resp: 53256
Ion Ratio Lower Upper
173 100
175 48.2 40.2 60.4
254 8.1 6.6 9.8



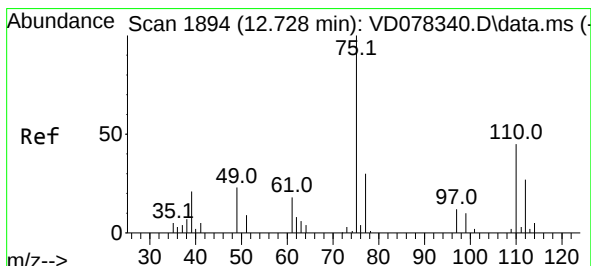
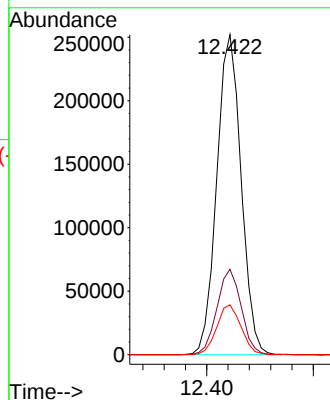
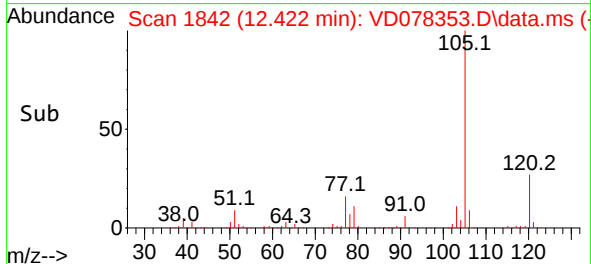


#60
Isopropylbenzene
Concen: 27.779 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

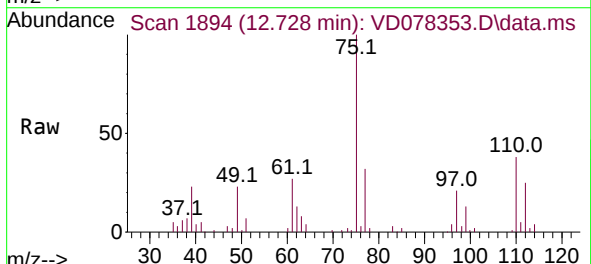
Instrument :
MSVOA_D
ClientSampleId :



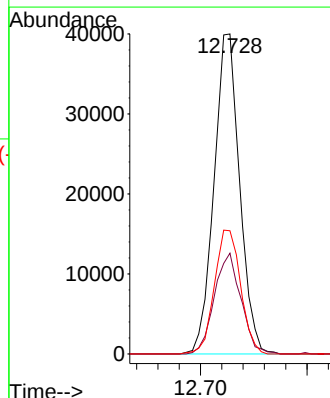
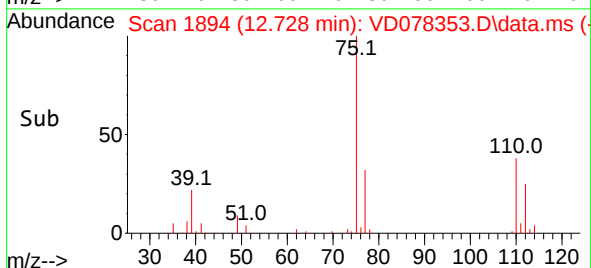
Tgt Ion:105 Resp: 399301
Ion Ratio Lower Upper
105 100
120 26.5 20.4 30.6
77 15.6 12.4 18.6

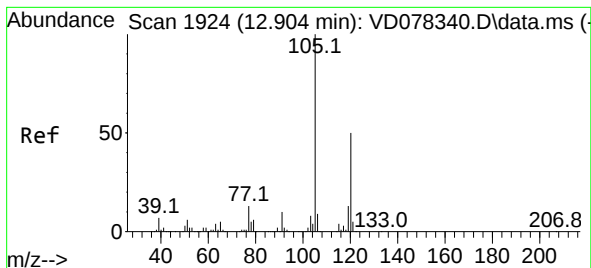


#61
1,2,3-Trichloropropane
Concen: 27.549 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55



Tgt Ion: 75 Resp: 66847
Ion Ratio Lower Upper
75 100
77 32.7 26.5 39.7
110 39.5 31.8 47.8

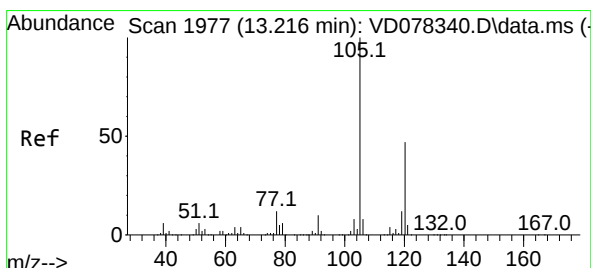
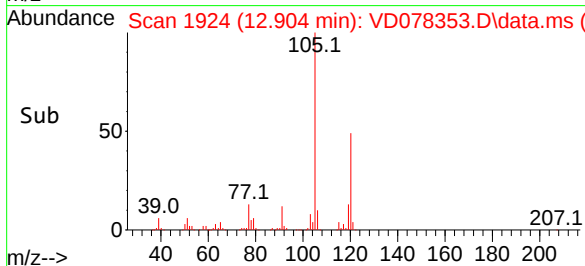
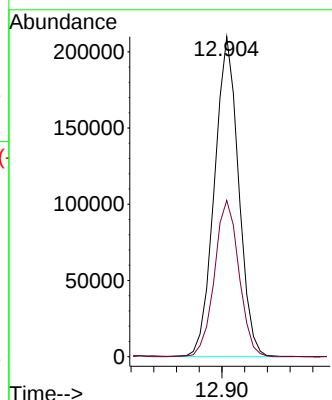
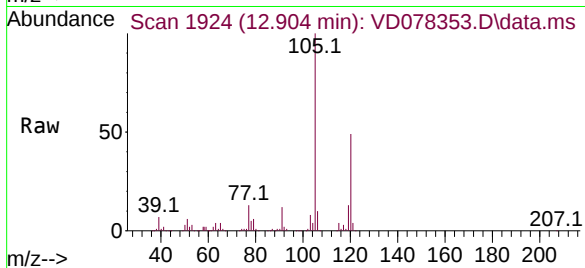




#62
 1,3,5-Trimethylbenzene
 Concen: 27.559 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

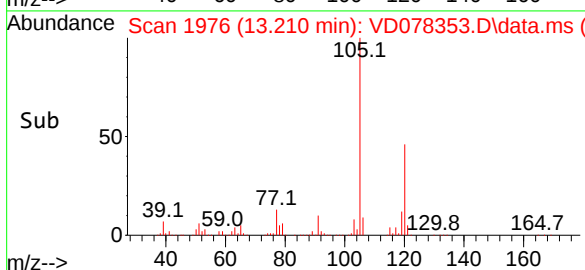
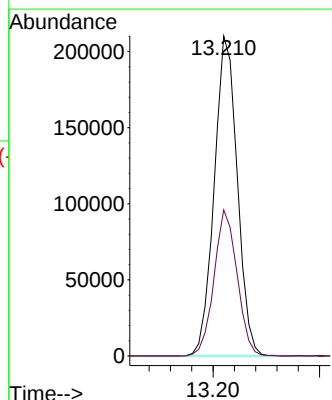
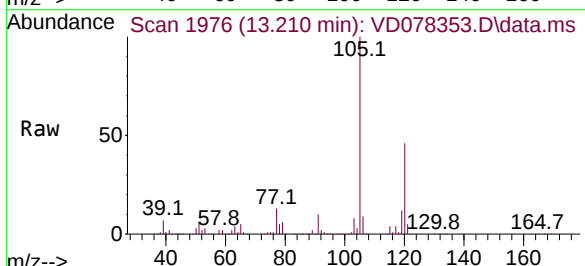
Instrument :
 MSVOA_D
 ClientSampleId :

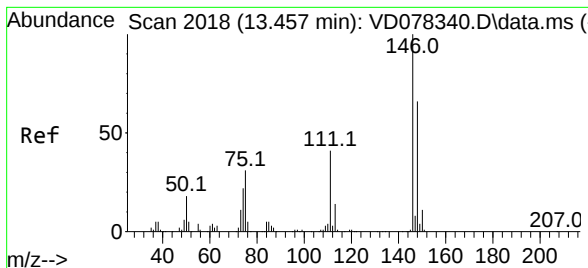
Tgt Ion:105 Resp: 309855
 Ion Ratio Lower Upper
 105 100
 120 49.4 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 28.279 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.006 min
 Lab File: VD078353.D
 Acq: 05 Feb 2024 18:55

Tgt Ion:105 Resp: 314924
 Ion Ratio Lower Upper
 105 100
 120 45.7 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 27.152 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

ClientSampleId :

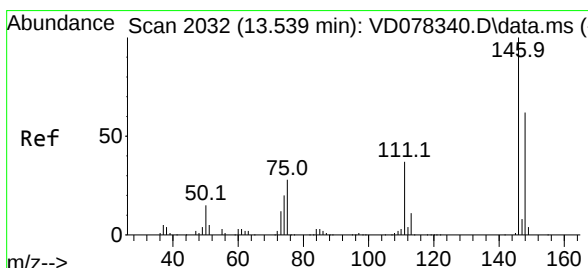
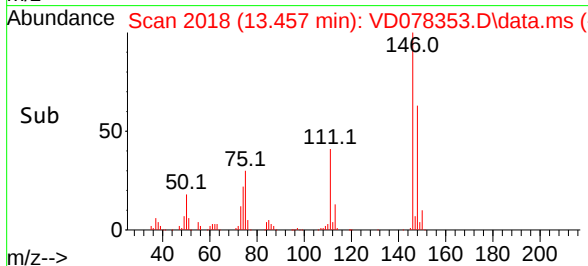
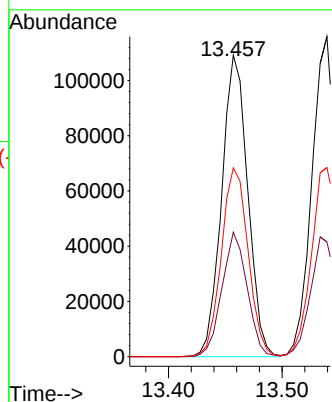
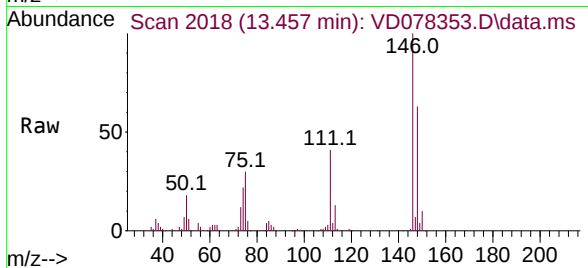
Tgt Ion:146 Resp: 174161

Ion Ratio Lower Upper

146 100

111 41.3 28.6 53.0

148 62.6 46.5 86.3



#65

1,4-Dichlorobenzene

Concen: 27.078 ug/L

RT: 13.539 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

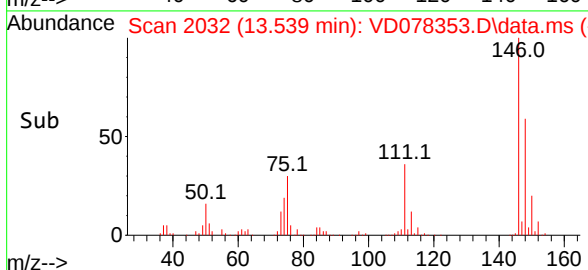
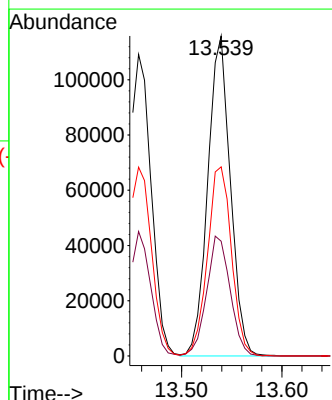
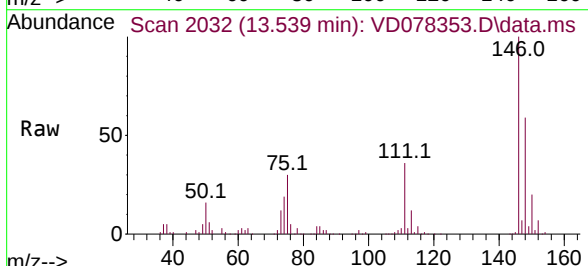
Tgt Ion:146 Resp: 181839

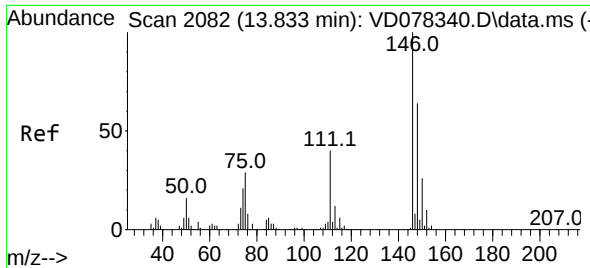
Ion Ratio Lower Upper

146 100

111 35.9 26.4 49.0

148 59.1 44.5 82.7

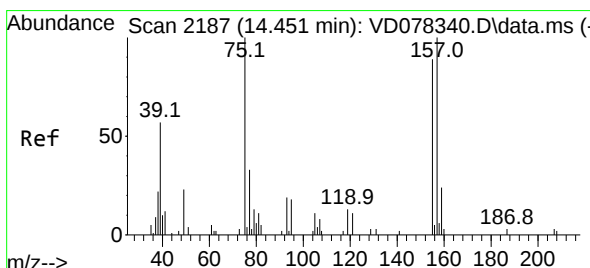
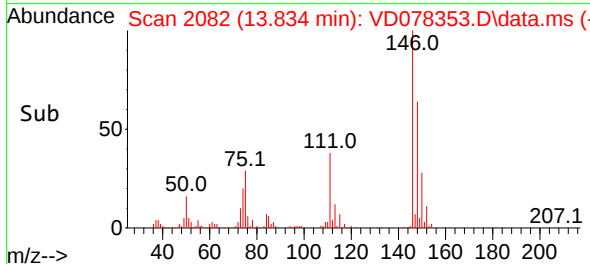
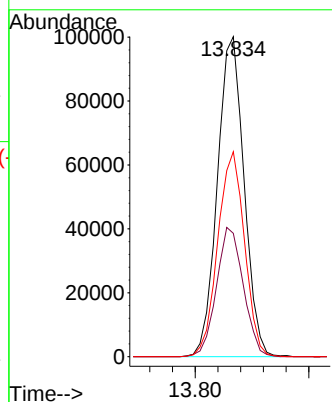
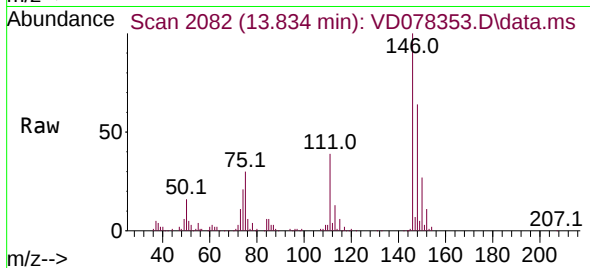




#67
1,2-Dichlorobenzene
Concen: 26.896 ug/L
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

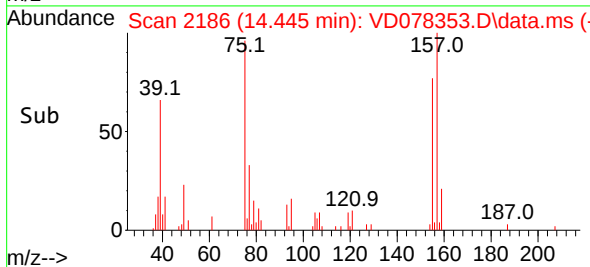
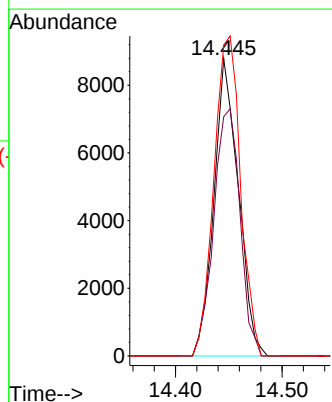
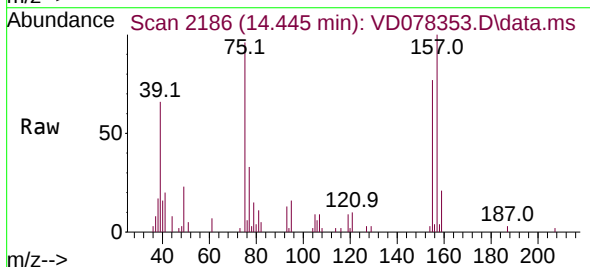
Instrument :
MSVOA_D
ClientSampleId :

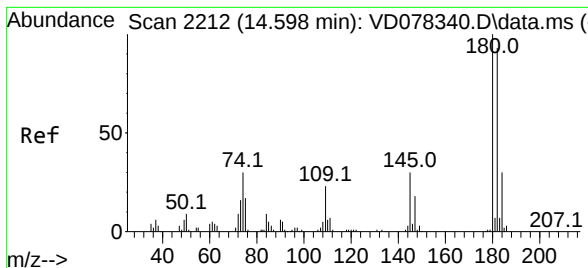
Tgt Ion:146 Resp: 163188
Ion Ratio Lower Upper
146 100
111 38.6 33.6 50.4
148 64.1 48.4 72.6



#68
1,2-Dibromo-3-chloropropane
Concen: 26.029 ug/L
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion: 75 Resp: 13994
Ion Ratio Lower Upper
75 100
155 80.4 61.6 92.4
157 104.6 78.1 117.1





#69

1,3,5-Trichlorobenzene

Concen: 27.480 ug/L

RT: 14.592 min Scan# 21

Delta R.T. -0.006 min

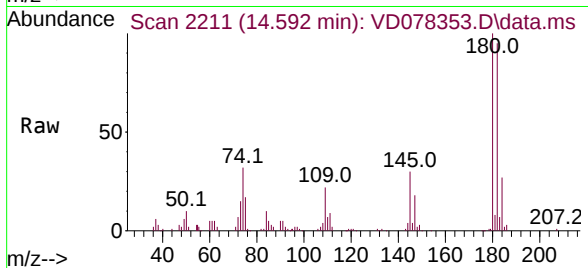
Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 108598

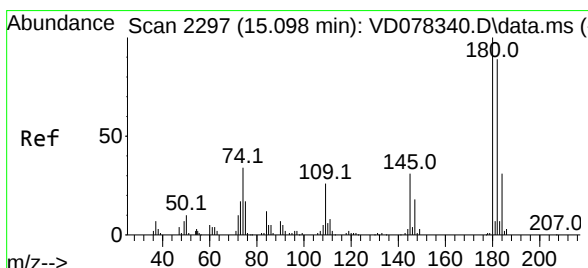
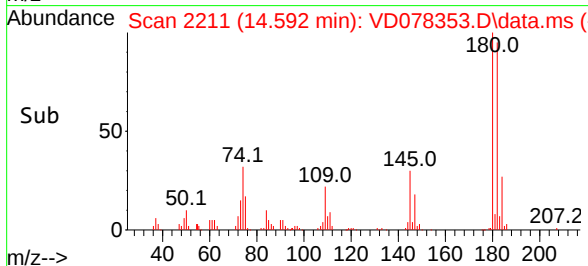
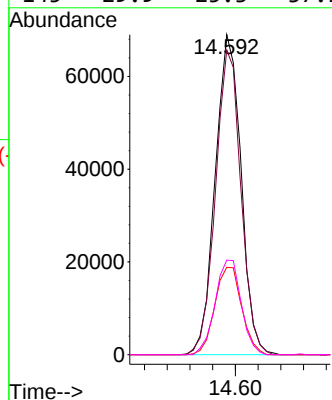
Ion Ratio Lower Upper

180 100

182 93.9 75.6 113.4

184 28.5 23.2 34.8

145 29.9 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 26.756 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078353.D

Acq: 05 Feb 2024 18:55

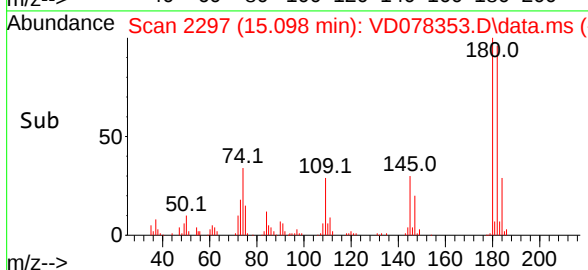
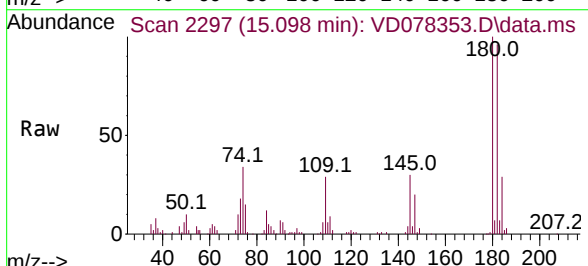
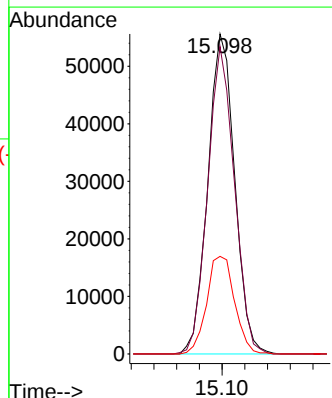
Tgt Ion:180 Resp: 91392

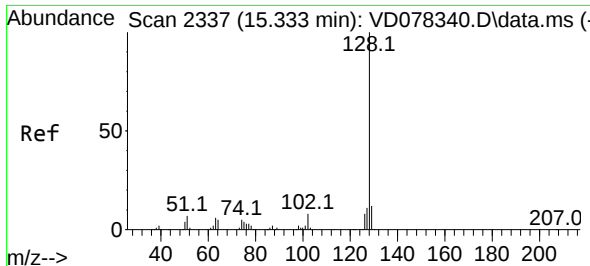
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.4

145 31.6 25.0 37.6

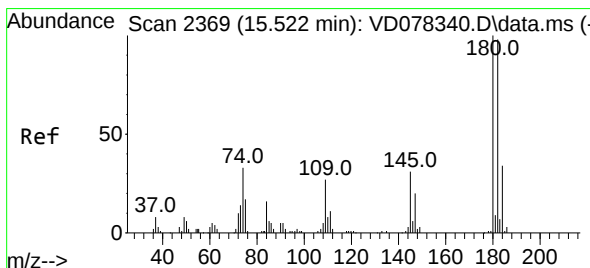
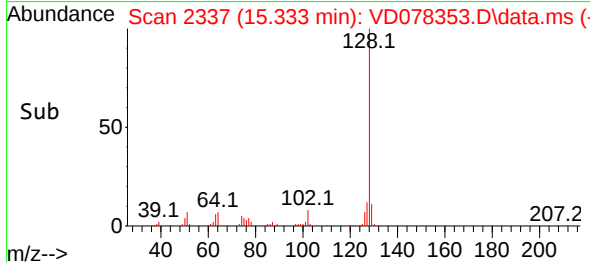
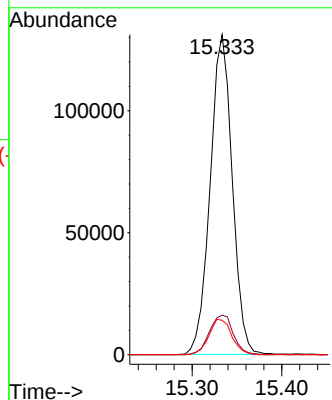
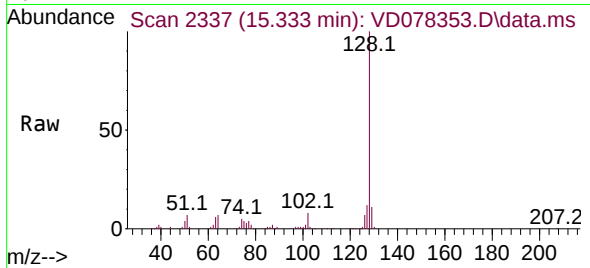




#71
Naphthalene
Concen: 28.039 ug/L
RT: 15.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	224221
Ion Ratio	Lower	Upper	
128	100		
127	13.4	11.0	16.4
129	11.5	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 27.676 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD078353.D
Acq: 05 Feb 2024 18:55

Tgt Ion:	180	Resp:	88251
Ion Ratio	Lower	Upper	
180	100		
182	93.0	75.4	113.0
145	32.3	26.8	40.2

