

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020724\
 Data File : VD078361.D
 Acq On : 07 Feb 2024 14:48
 Operator : RP/MD
 Sample : 04696-04
 Misc : 5.00G/10ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:40:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 08 00:21:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	190837	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	184390	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	75345	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	150135	27.729	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	= 110.920%	
7) Chloroethane-d5	2.799	69	124420	27.338	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 109.360%	
11) 1,1-Dichloroethene-d2	3.917	65	29754	25.452	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 101.800%	
21) 2-Butanone-d5	6.993	46	31422	39.417	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 78.840%	
24) Chloroform-d	7.569	84	131935	24.248	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 97.000%	
26) 1,2-Dichloroethane-d4	8.234	65	70029	23.849	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 95.400%	
32) Benzene-d6	8.199	84	285802	26.508	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 106.040%	
36) 1,2-Dichloropropane-d6	9.210	67	86219	25.975	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 103.920%	
41) Toluene-d8	10.269	98	253912	26.219	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 104.880%	
43) trans-1,3-Dichloroprop...	10.522	79	35286	23.808	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 95.240%	
47) 2-Hexanone-d5	10.875	63	26968	40.045	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 80.080%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	66909	21.693	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 86.760%	
66) 1,2-Dichlorobenzene-d4	13.816	152	70461	26.122	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 104.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	2362	0.628	ug/L #	88
3) Chloromethane	2.152	50	4473	0.817	ug/L	84
5) Vinyl chloride	2.281	62	4877	0.721	ug/L #	34
6) Bromomethane	2.693	94	1597	0.521	ug/L	83
8) Chloroethane	2.834	64	2186	0.507	ug/L #	50
9) Trichlorofluoromethane	3.175	101	3203	0.666	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	199	0.066	ug/L #	1
12) 1,1-Dichloroethene	3.928	96	1772	0.640	ug/L #	1
13) Acetone	4.028	43	555	0.530	ug/L	98
14) Carbon disulfide	4.269	76	4864	0.476	ug/L	96
15) Methyl Acetate	4.575	43	377	0.240	ug/L #	62
16) Methylene chloride	4.787	84	3111	0.831	ug/L	99
17) trans-1,2-Dichloroethene	5.328	96	330	0.108	ug/L	91
18) Methyl tert-butyl Ether	5.316	73	879	0.124	ug/L #	70
19) 1,1-Dichloroethane	6.122	63	1775	0.332	ug/L #	77
20) cis-1,2-Dichloroethene	7.069	96	1374	0.411	ug/L	92
22) 2-Butanone	7.081	43	251	0.198	ug/L #	44
23) Bromochloromethane	7.434	128	749	0.507	ug/L #	33
25) Chloroform	7.593	83	11182	1.919	ug/L	83

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 Response via : Initial Calibration

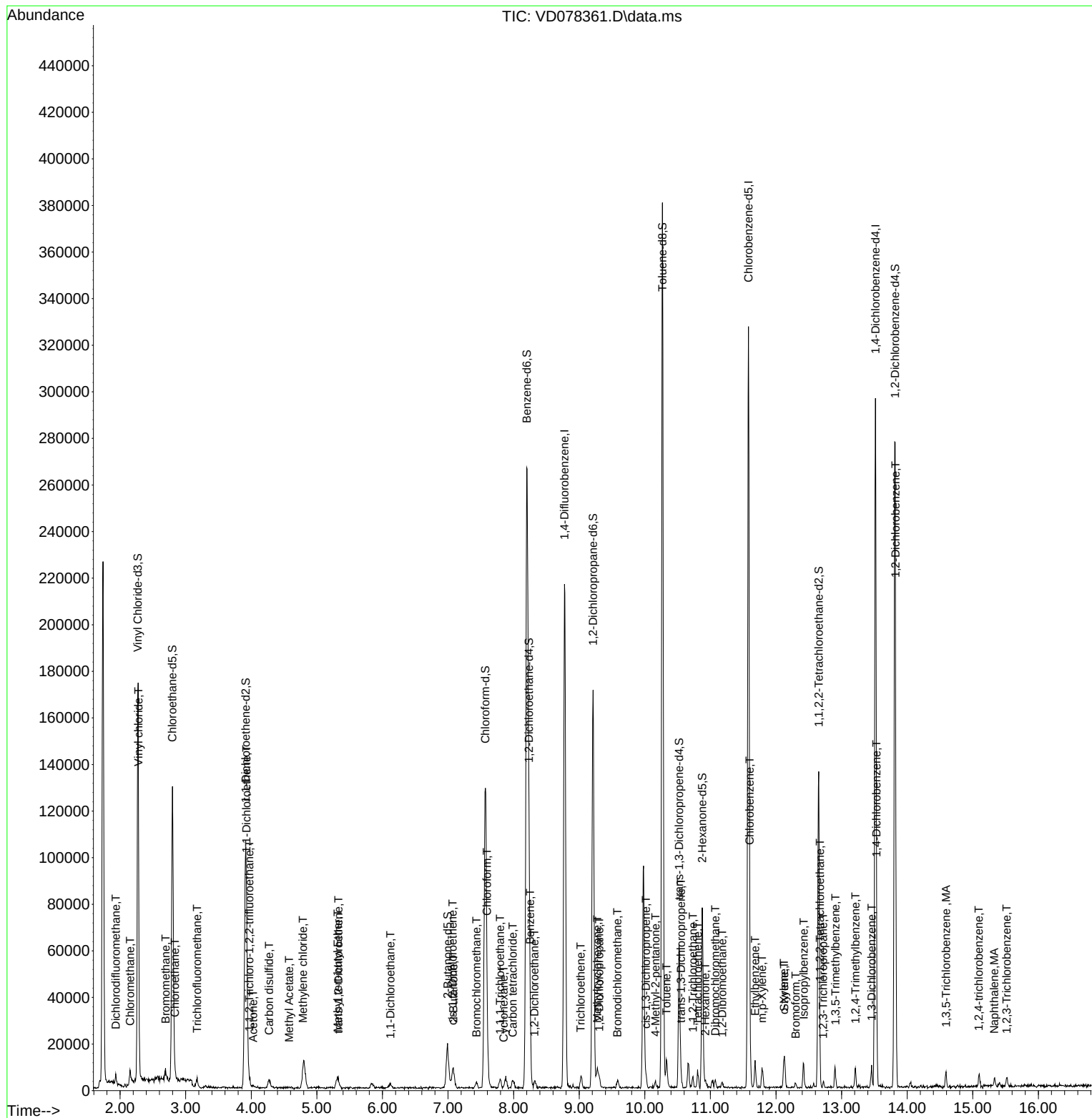
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.316	62	2171	0.580	ug/L #	69
29) Cyclohexane	7.846	56	178	0.043	ug/L	86
30) 1,1,1-Trichloroethane	7.793	97	2346	0.519	ug/L #	70
31) Carbon tetrachloride	7.987	117	1424	0.358	ug/L	83
33) Benzene	8.252	78	8166	0.657	ug/L	100
34) Trichloroethene	9.022	95	1244	0.396	ug/L #	72
35) Methylcyclohexane	9.275	83	1748	0.356	ug/L #	53
37) 1,2-Dichloropropane	9.304	63	2171	0.663	ug/L #	87
38) Bromodichloromethane	9.581	83	3071	0.719	ug/L #	60
39) cis-1,3-Dichloropropene	10.016	75	3051	0.599	ug/L	91
40) 4-Methyl-2-pentanone	10.163	43	1513	0.744	ug/L #	81
42) Toluene	10.328	91	8479	0.656	ug/L	91
44) trans-1,3-Dichloropropene	10.551	75	1354	0.304	ug/L	86
45) 1,1,2-Trichloroethane	10.734	97	1631	0.625	ug/L	88
46) Tetrachloroethene	10.804	164	1132	0.525	ug/L #	80
48) 2-Hexanone	10.922	43	1617	0.975	ug/L #	74
49) Dibromochloromethane	11.075	129	1587	0.541	ug/L	89
50) 1,2-Dibromoethane	11.181	107	1352	0.531	ug/L #	81
51) Chlorobenzene	11.598	112	5473	0.654	ug/L	94
52) Ethylbenzene	11.681	91	8110	0.584	ug/L	92
53) m,p-Xylene	11.787	106	2844	0.533	ug/L	63
54) o-Xylene	12.122	106	2323	0.451	ug/L	87
55) Styrene	12.128	104	3751	0.404	ug/L	80
57) 1,1,2,2-Tetrachloroethane	12.669	83	2165	0.647	ug/L #	85
59) Bromoform	12.298	173	861	0.570	ug/L #	86
60) Isopropylbenzene	12.422	105	6820	0.599	ug/L	97
61) 1,2,3-Trichloropropane	12.716	75	1275	0.663	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.904	105	4769	0.536	ug/L	89
63) 1,2,4-Trimethylbenzene	13.210	105	4842	0.549	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	3309	0.651	ug/L #	90
65) 1,4-Dichlorobenzene	13.534	146	3796	0.714	ug/L	93
67) 1,2-Dichlorobenzene	13.822	146	3568	0.742	ug/L #	72
69) 1,3,5-Trichlorobenzene	14.592	180	1946	0.622	ug/L	93
70) 1,2,4-trichlorobenzene	15.092	180	2052	0.758	ug/L #	84
71) Naphthalene	15.328	128	3259	0.515	ug/L #	85
72) 1,2,3-Trichlorobenzene	15.516	180	1508	0.597	ug/L #	87

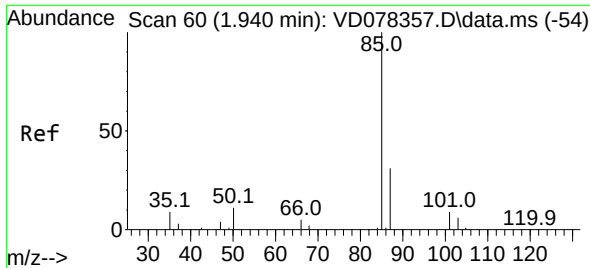
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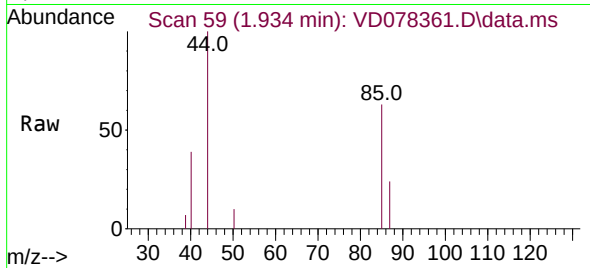
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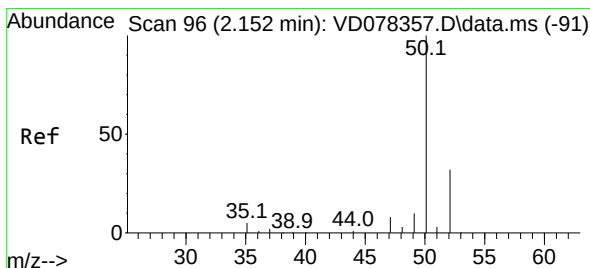
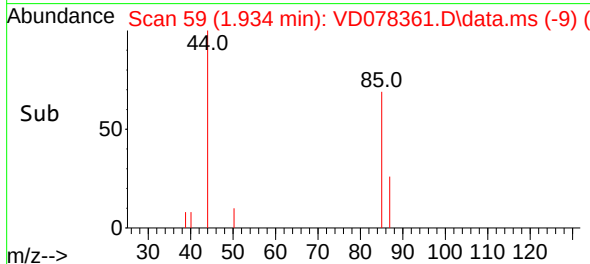
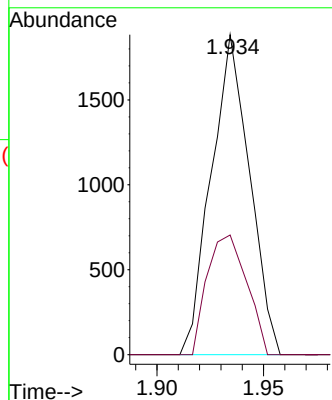


#2
 Dichlorodifluoromethane
 Concen: 0.628 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. -0.006 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

Instrument :
 MSVOA_D
 ClientSampleId :

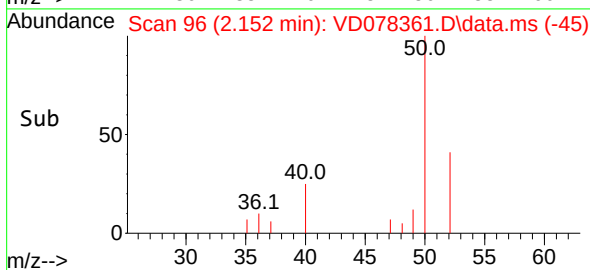
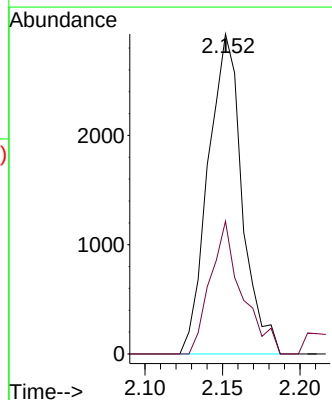
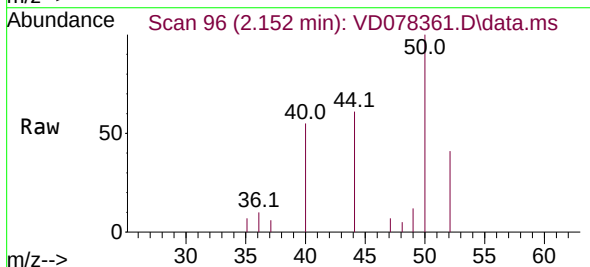


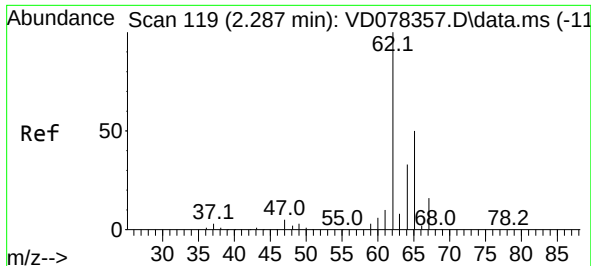
Tgt Ion: 85 Resp: 2362
 Ion Ratio Lower Upper
 85 100
 87 38.5 25.3 37.9#



#3
 Chloromethane
 Concen: 0.817 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

Tgt Ion: 50 Resp: 4473
 Ion Ratio Lower Upper
 50 100
 52 41.5 22.7 42.3

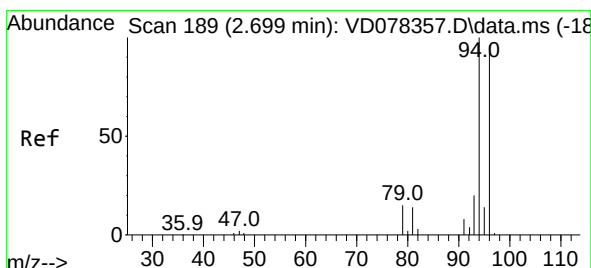
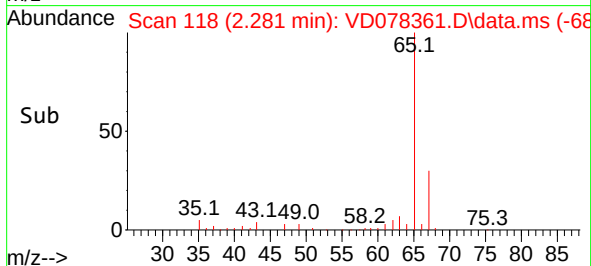
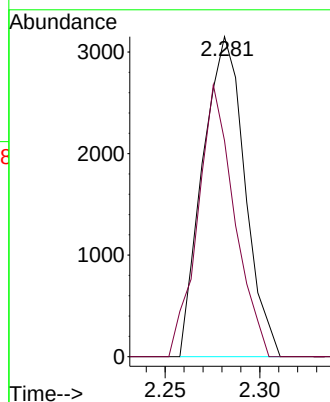
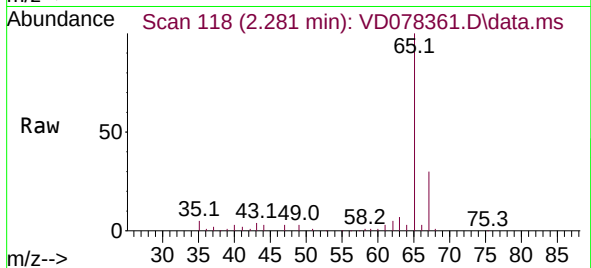




#5
 Vinyl chloride
 Concen: 0.721 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

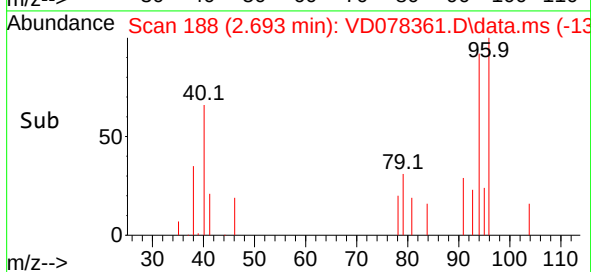
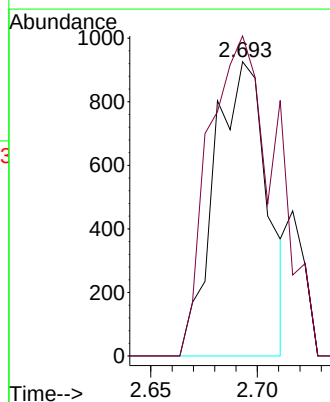
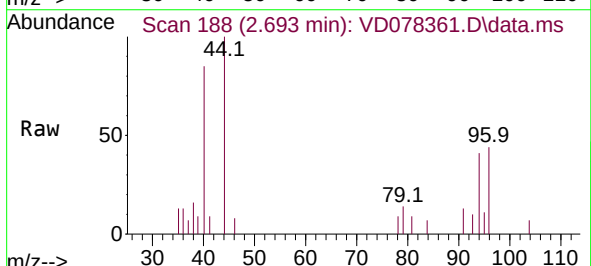
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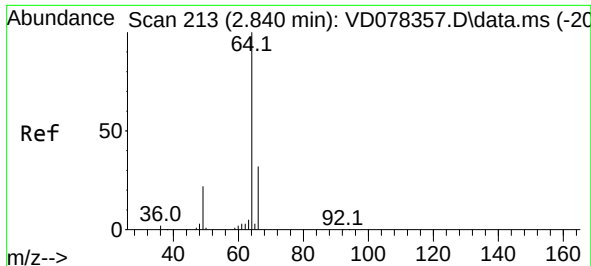
Tgt Ion: 62 Resp: 4877
 Ion Ratio Lower Upper
 62 100
 64 67.5 21.7 40.3#



#6
 Bromomethane
 Concen: 0.521 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. -0.006 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

Tgt Ion: 94 Resp: 1597
 Ion Ratio Lower Upper
 94 100
 96 108.7 64.8 120.4

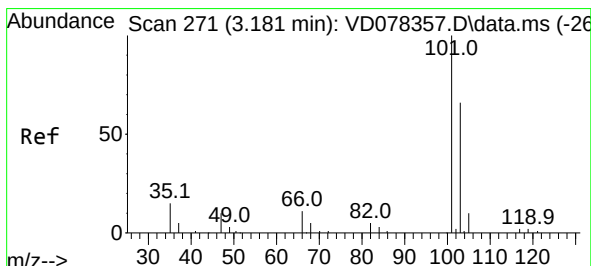
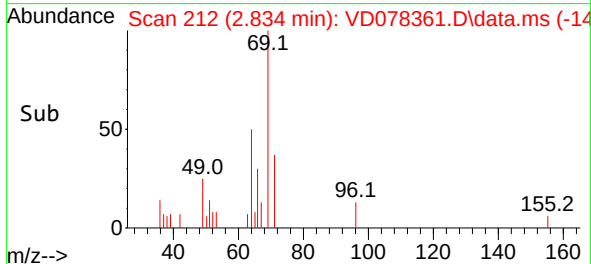
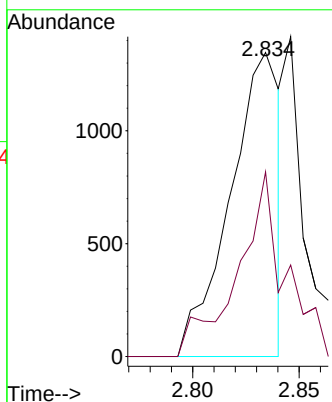
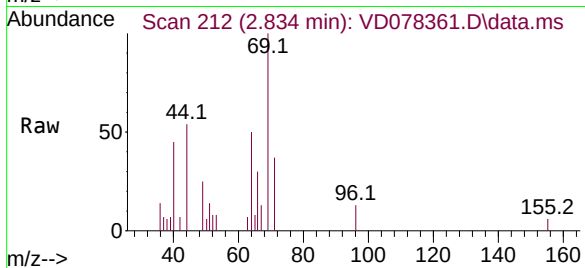




#8
Chloroethane
Concen: 0.507 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

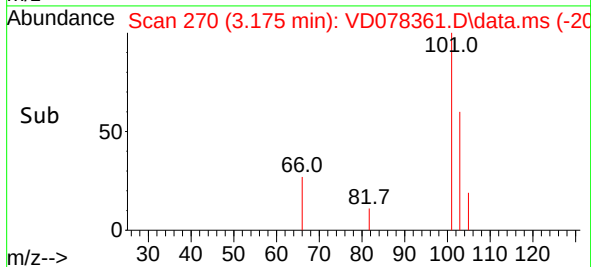
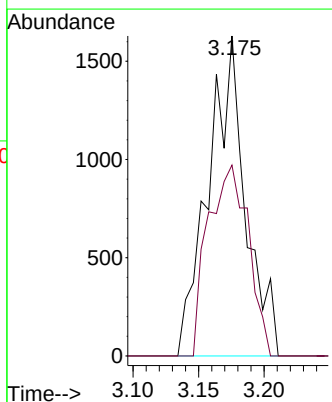
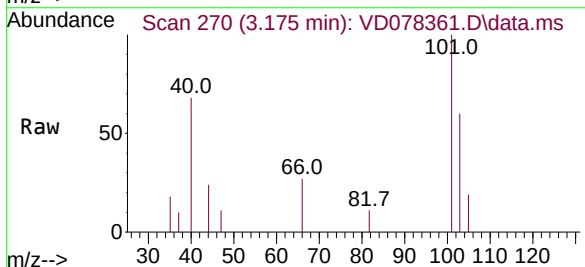
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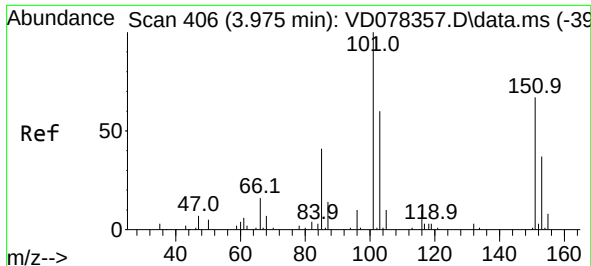
Tgt Ion: 64 Resp: 2186
Ion Ratio Lower Upper
64 100
66 60.7 22.8 42.4#



#9
Trichlorofluoromethane
Concen: 0.666 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion:101 Resp: 3203
Ion Ratio Lower Upper
101 100
103 64.9 51.1 76.7

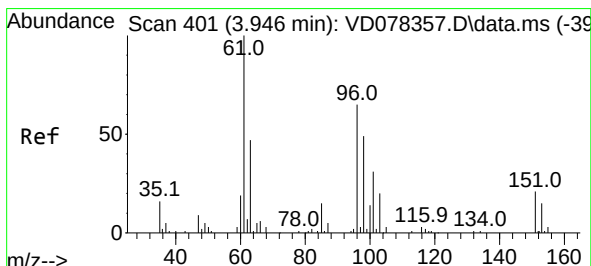
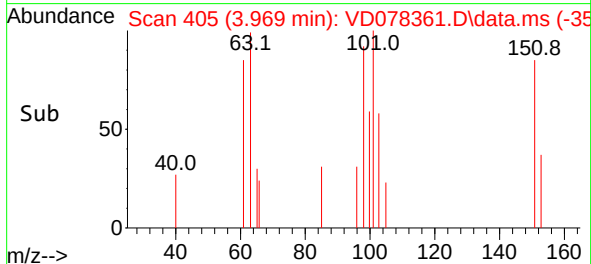
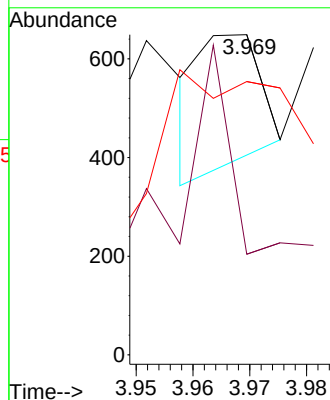
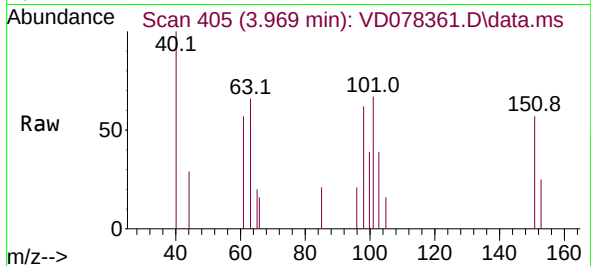




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.066 ug/L
 RT: 3.969 min Scan# 40
 Delta R.T. -0.006 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

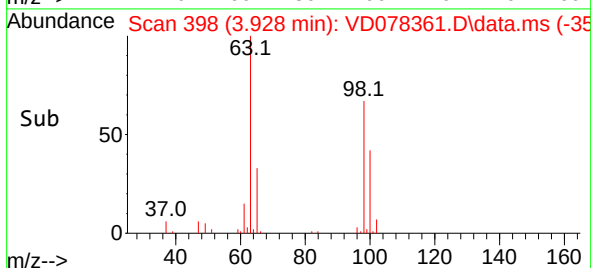
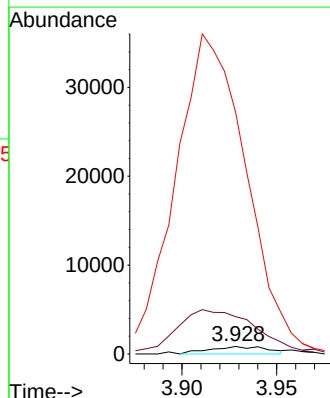
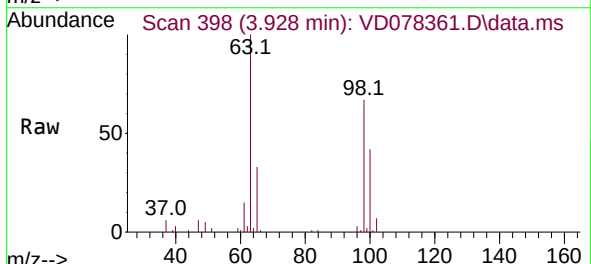
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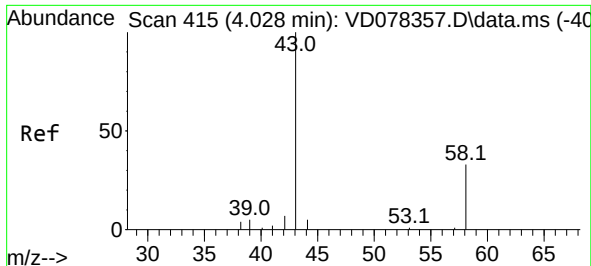
Tgt Ion:101 Resp: 199
 Ion Ratio Lower Upper
 101 100
 85 147.7 34.6 51.8#
 151 320.6 54.6 81.8#



#12
 1,1-Dichloroethene
 Concen: 0.640 ug/L
 RT: 3.928 min Scan# 398
 Delta R.T. -0.017 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

Tgt Ion: 96 Resp: 1772
 Ion Ratio Lower Upper
 96 100
 61 493.1 108.8 202.2#
 63 3196.2 65.2 121.0#





#13

Acetone

Concen: 0.530 ug/L

RT: 4.028 min Scan# 415

Delta R.T. 0.000 min

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Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

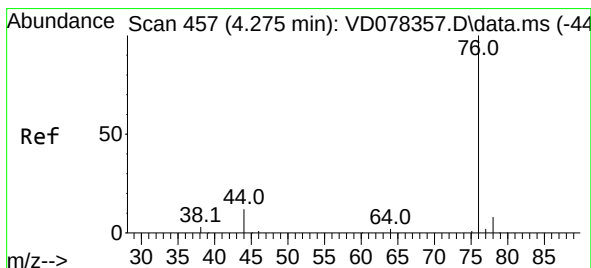
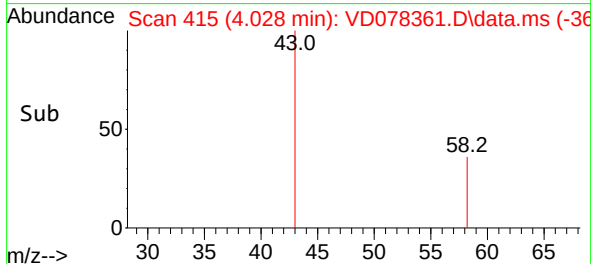
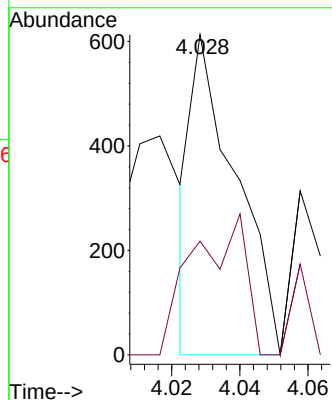
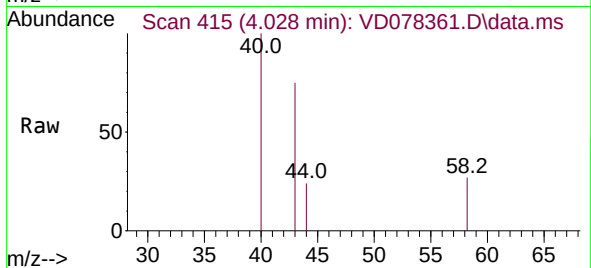
ClientSampleId :

Tgt Ion: 43 Resp: 555

Ion Ratio Lower Upper

43 100

58 34.8 0.0 67.2



#14

Carbon disulfide

Concen: 0.476 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD078361.D

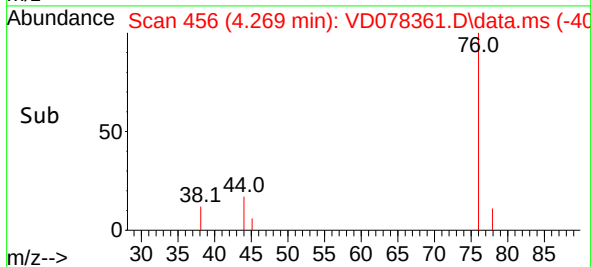
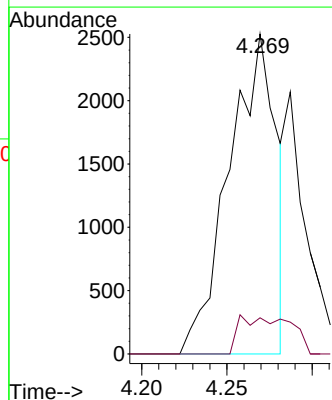
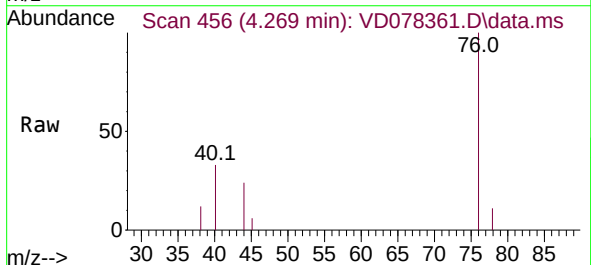
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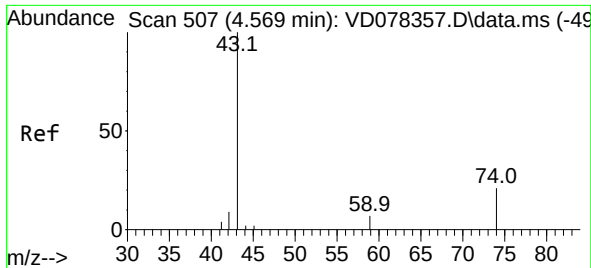
Tgt Ion: 76 Resp: 4864

Ion Ratio Lower Upper

76 100

78 11.3 7.8 11.8

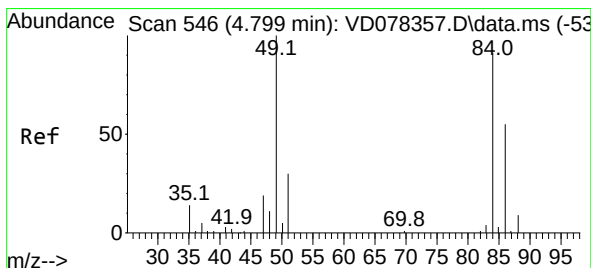
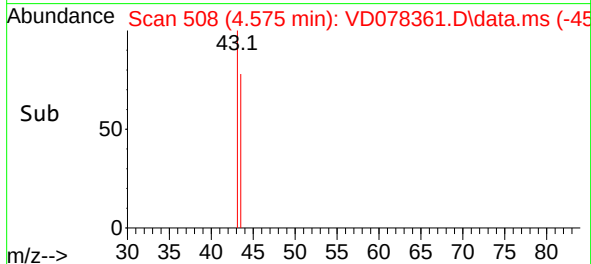
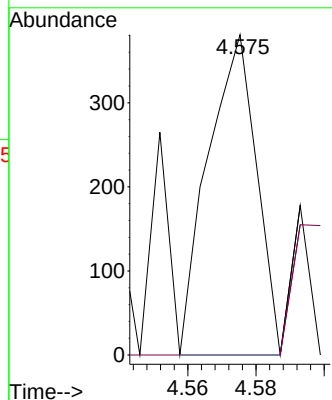
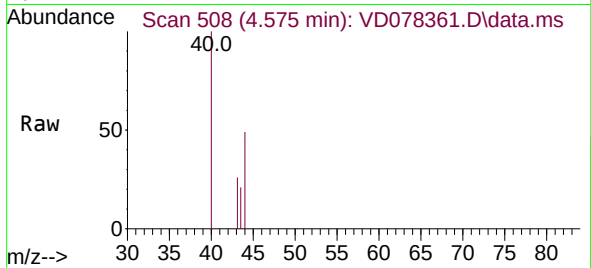




#15
Methyl Acetate
Concen: 0.240 ug/L
RT: 4.575 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

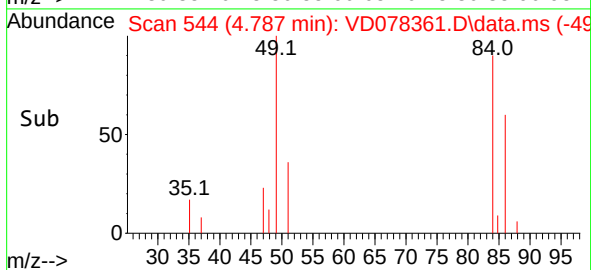
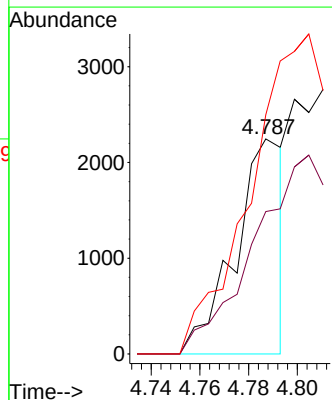
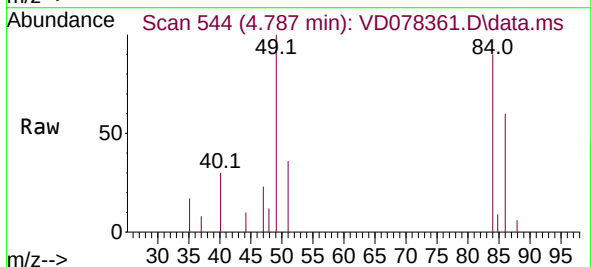
Instrument :
MSVOA_D
ClientSampleId :

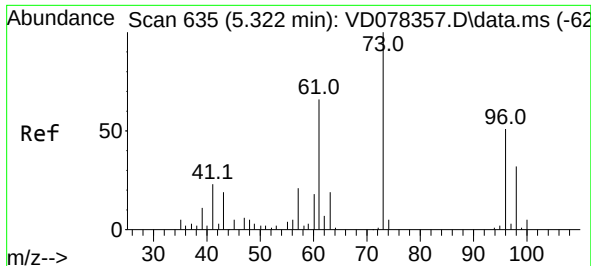
Tgt Ion: 43 Resp: 377
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1#



#16
Methylene chloride
Concen: 0.831 ug/L
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 84 Resp: 3111
Ion Ratio Lower Upper
84 100
86 66.3 45.4 84.2
49 111.3 77.3 143.7





#17

trans-1,2-Dichloroethene

Concen: 0.108 ug/L

RT: 5.328 min Scan# 61

Delta R.T. 0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

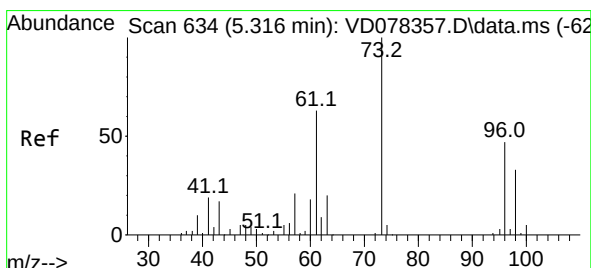
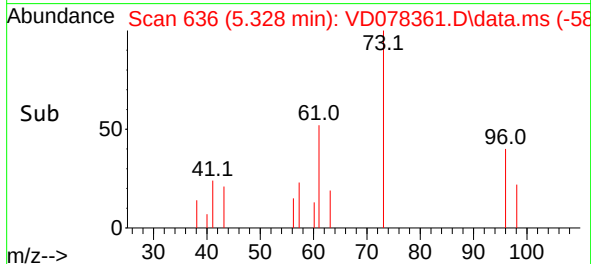
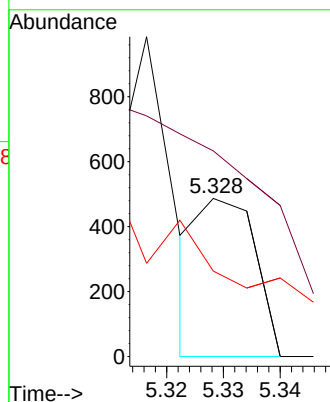
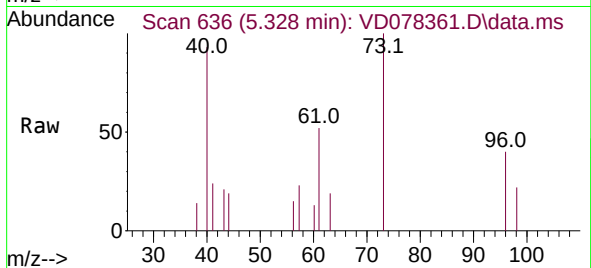
Tgt Ion: 96 Resp: 330

Ion Ratio Lower Upper

96 100

61 130.0 82.7 153.7

98 54.0 40.7 75.7



#18

Methyl tert-butyl Ether

Concen: 0.124 ug/L

RT: 5.316 min Scan# 634

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

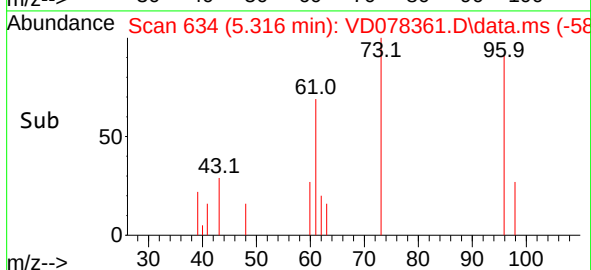
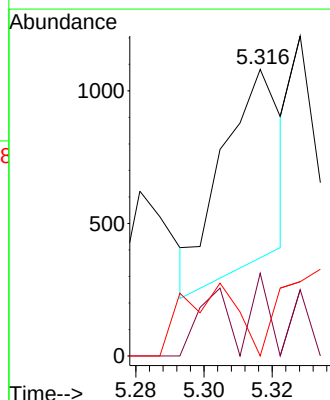
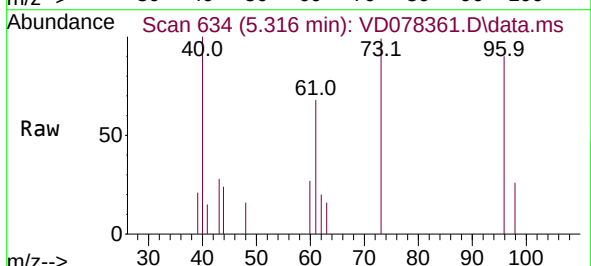
Tgt Ion: 73 Resp: 879

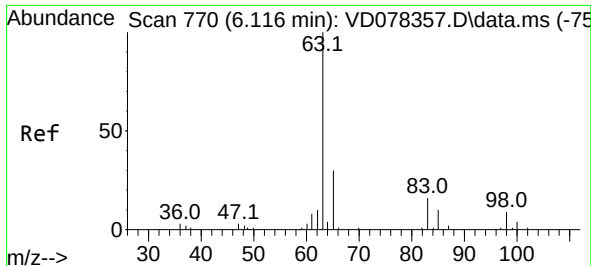
Ion Ratio Lower Upper

73 100

43 12.5 13.3 19.9#

57 0.0 17.2 25.8#





#19

1,1-Dichloroethane

Concen: 0.332 ug/L

RT: 6.122 min Scan# 71

Delta R.T. 0.006 min

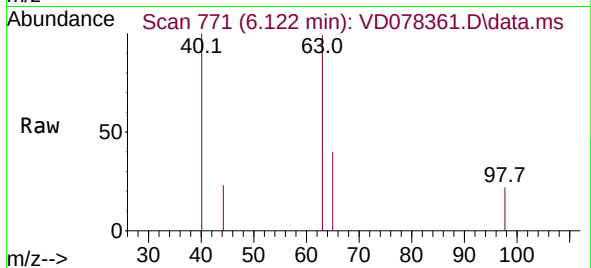
Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

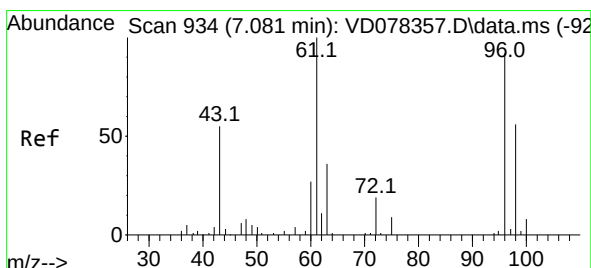
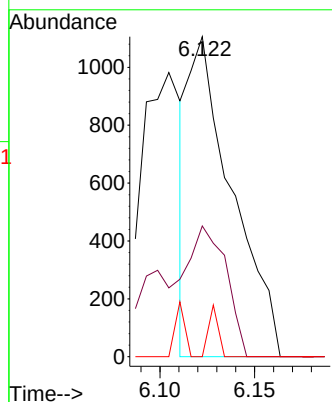
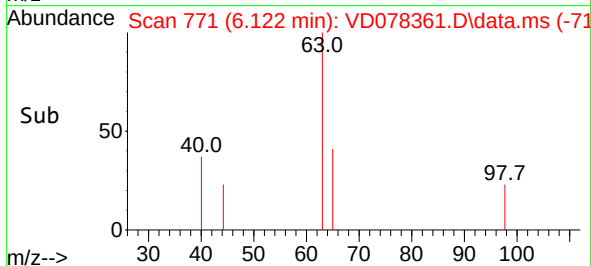
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	63	Resp:	1775
Ion	Ratio	Lower	Upper
63	100		
65	40.9	21.8	40.4#
83	0.0	10.1	18.9#



#20

cis-1,2-Dichloroethene

Concen: 0.411 ug/L

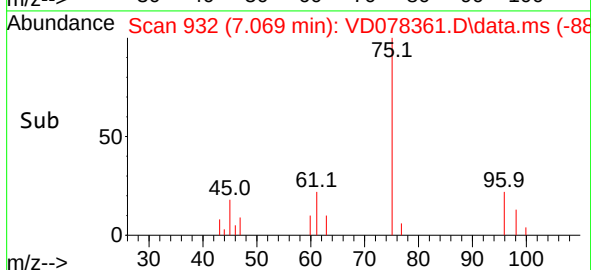
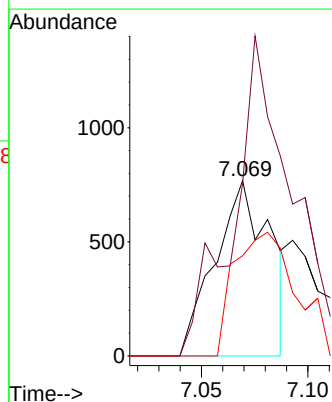
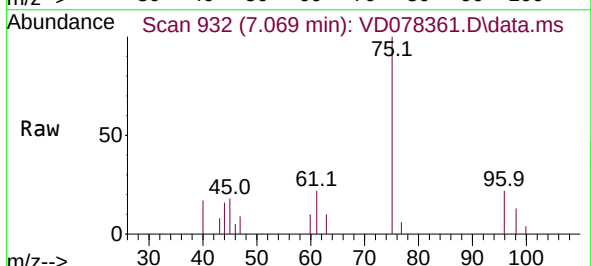
RT: 7.069 min Scan# 932

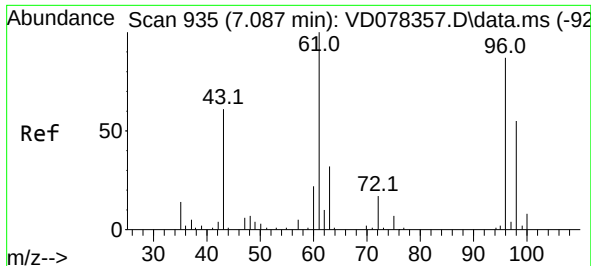
Delta R.T. -0.012 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Tgt Ion:	96	Resp:	1374
Ion	Ratio	Lower	Upper
96	100		
61	98.4	75.6	140.4
98	57.2	43.1	80.1





#22

2-Butanone

Concen: 0.198 ug/L

RT: 7.081 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

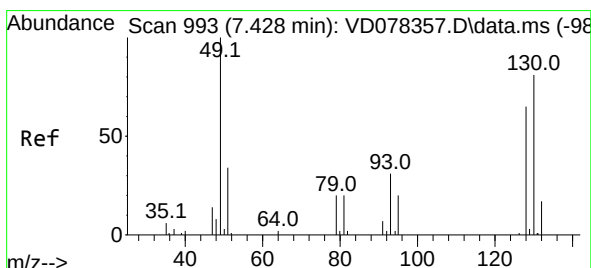
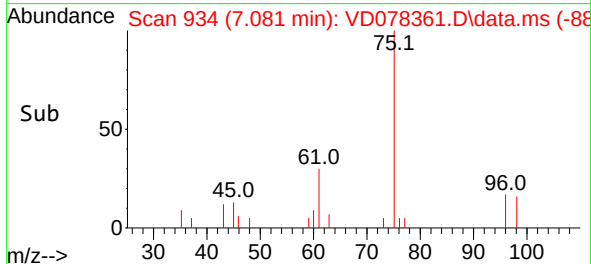
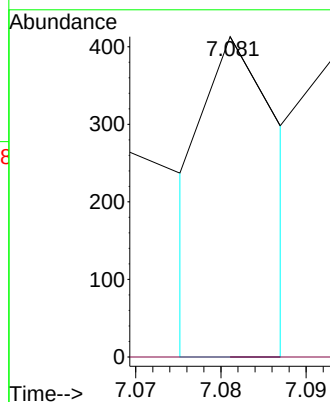
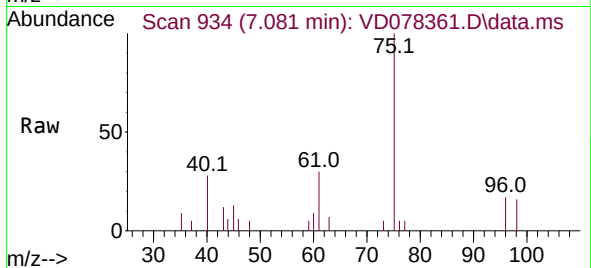
ClientSampleId :

Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

43 100

72 0.0 15.4 46.2#



#23

Bromochloromethane

Concen: 0.507 ug/L

RT: 7.434 min Scan# 994

Delta R.T. 0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Tgt Ion: 128 Resp: 749

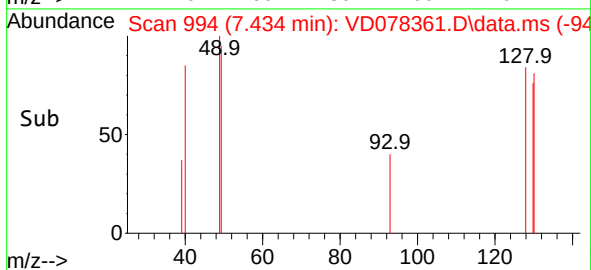
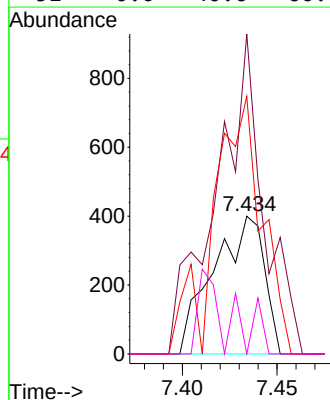
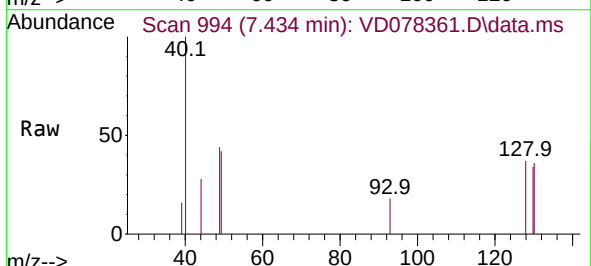
Ion Ratio Lower Upper

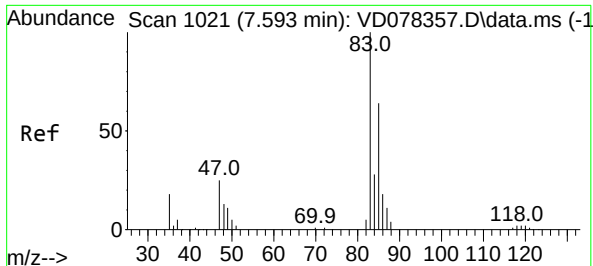
128 100

49 232.3 102.7 190.7#

130 187.0 82.6 153.4#

51 0.0 40.6 60.8#





#25

Chloroform

Concen: 1.919 ug/L

RT: 7.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

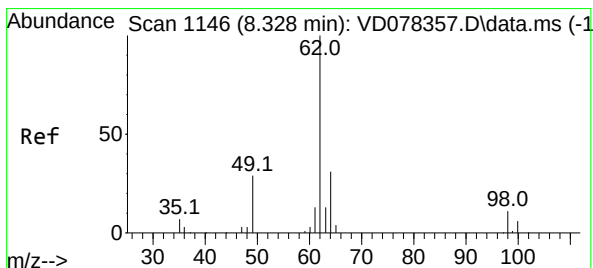
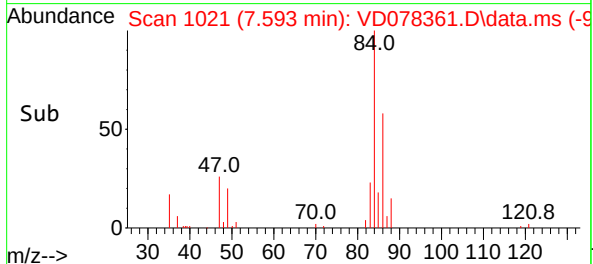
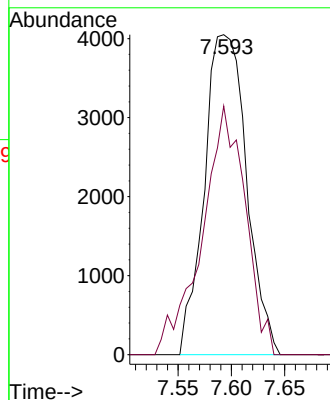
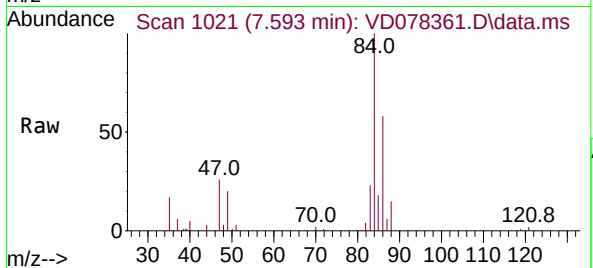
ClientSampleId :

Tgt Ion: 83 Resp: 11182

Ion Ratio Lower Upper

83 100

85 77.7 44.9 83.3



#27

1,2-Dichloroethane

Concen: 0.580 ug/L

RT: 8.316 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VD078361.D

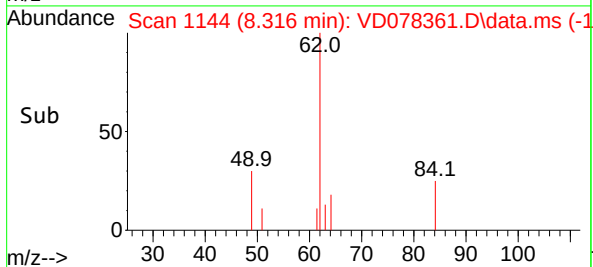
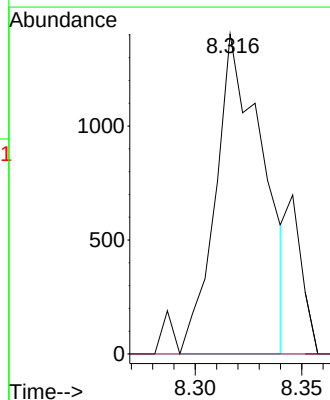
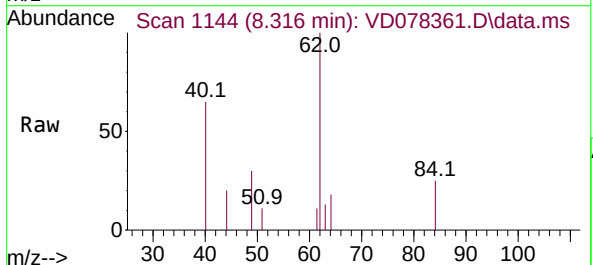
Acq: 07 Feb 2024 14:48

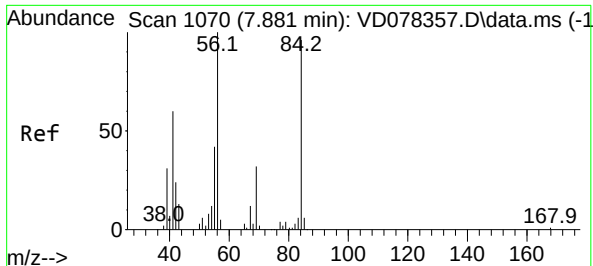
Tgt Ion: 62 Resp: 2171

Ion Ratio Lower Upper

62 100

98 0.0 9.5 14.3#





#29

Cyclohexane

Concen: 0.043 ug/L

RT: 7.846 min Scan# 1064

Delta R.T. -0.035 min

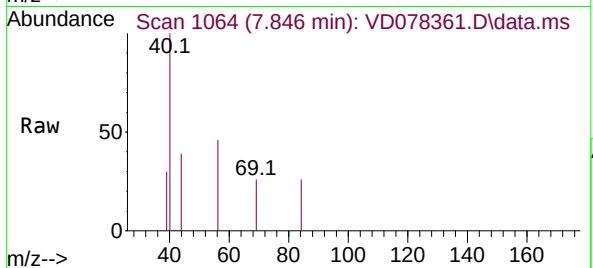
Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :



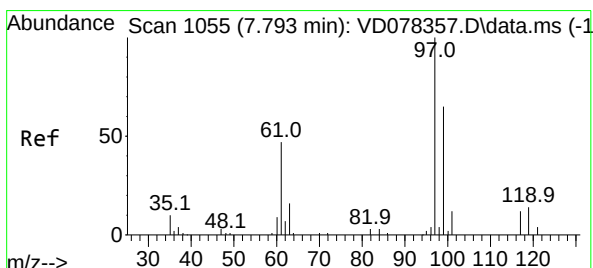
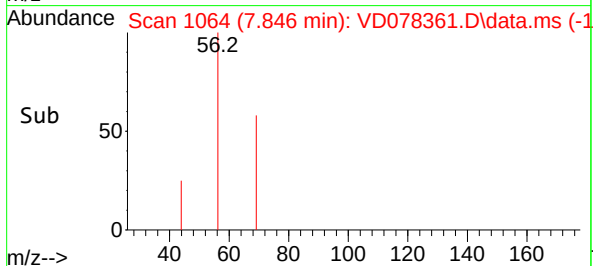
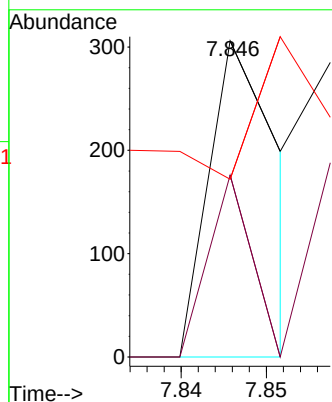
Tgt Ion: 56 Resp: 178

Ion Ratio Lower Upper

56 100

69 34.8 23.3 34.9

84 107.3 74.7 112.1



#30

1,1,1-Trichloroethane

Concen: 0.519 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

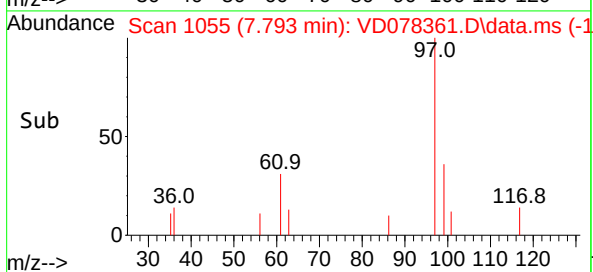
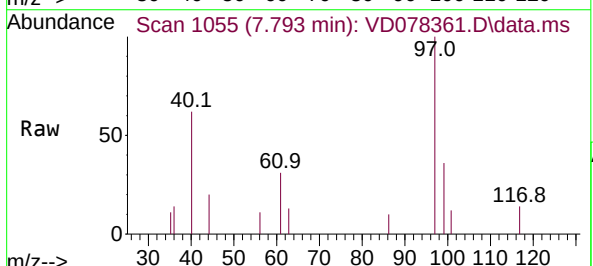
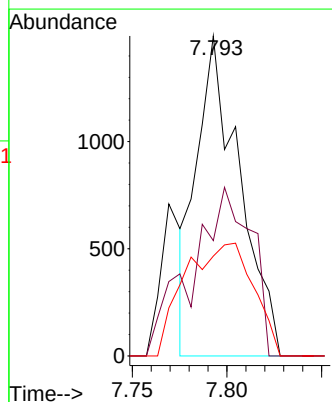
Tgt Ion: 97 Resp: 2346

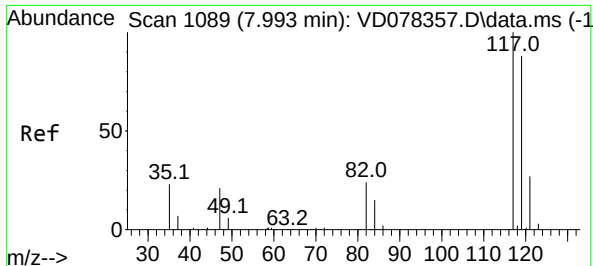
Ion Ratio Lower Upper

97 100

99 30.4 50.7 76.1#

61 35.2 34.4 51.6

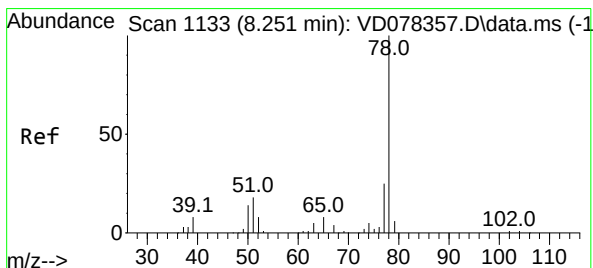
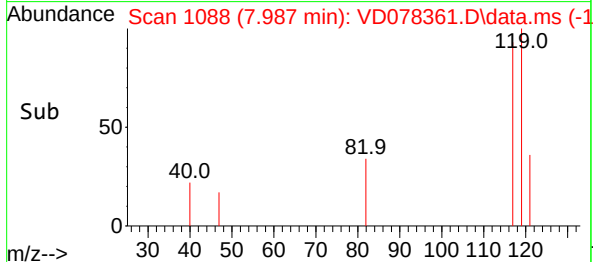
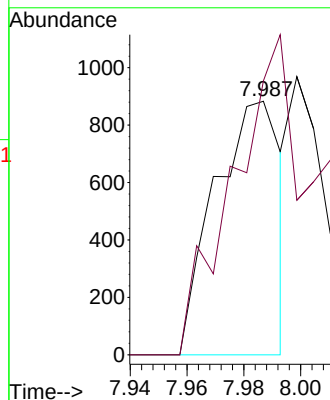
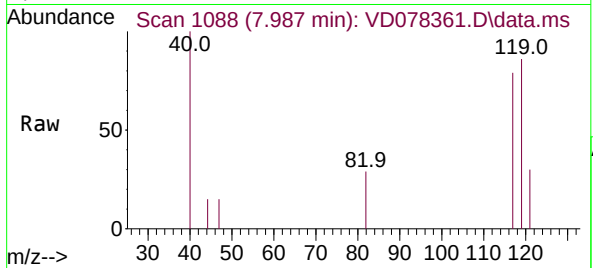




#31
Carbon tetrachloride
Concen: 0.358 ug/L
RT: 7.987 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

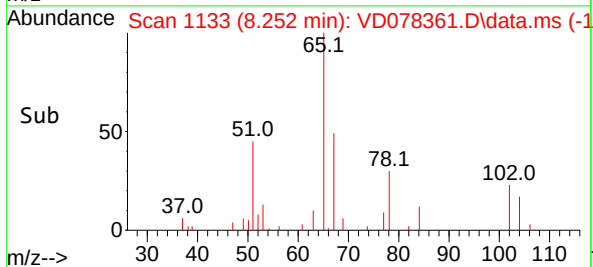
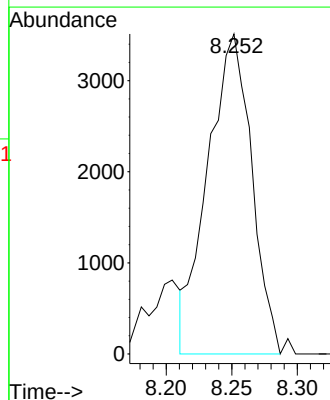
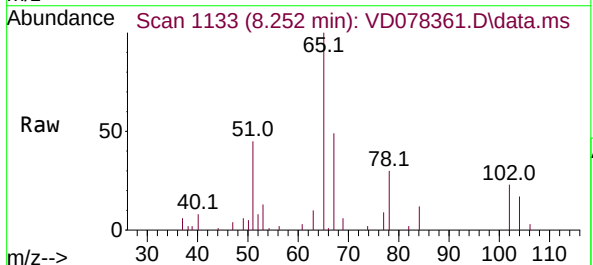
Instrument :
MSVOA_D
ClientSampleId :

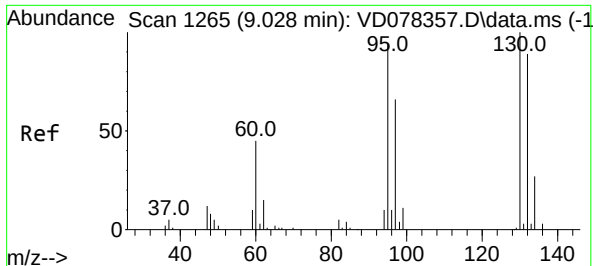
Tgt Ion:117 Resp: 1424
Ion Ratio Lower Upper
117 100
119 113.1 77.0 115.4



#33
Benzene
Concen: 0.657 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

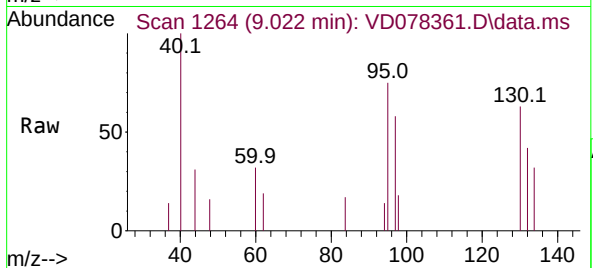
Tgt Ion: 78 Resp: 8166





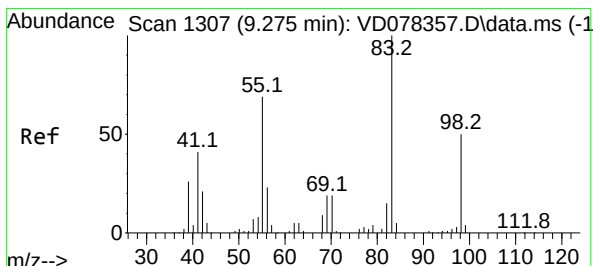
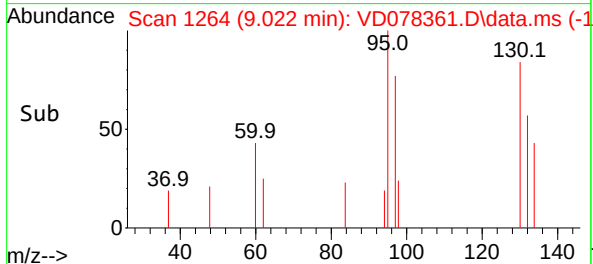
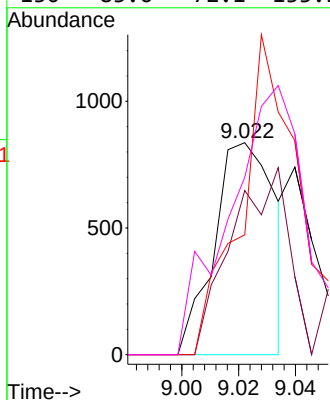
#34
Trichloroethene
Concen: 0.396 ug/L
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 1244

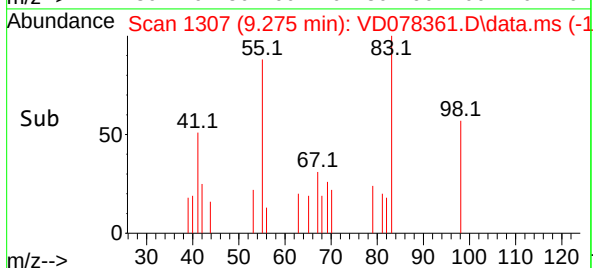
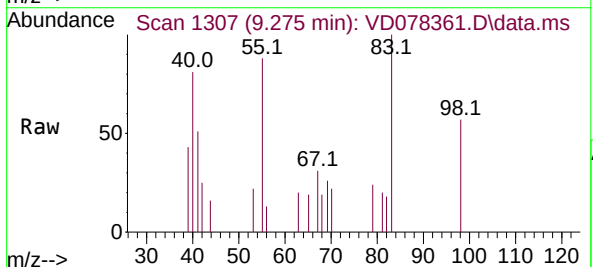
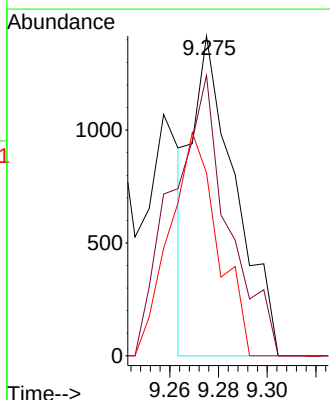
Ion	Ratio	Lower	Upper
95	100		
97	77.4	46.9	87.1
132	56.5	73.7	136.9#
130	83.6	72.1	133.9

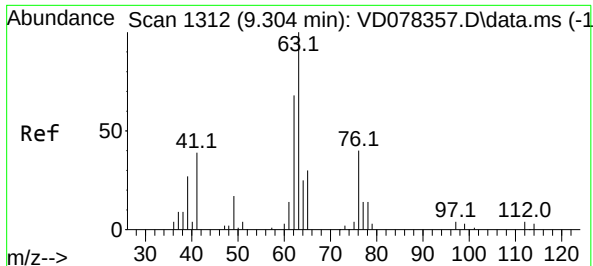


#35
Methylcyclohexane
Concen: 0.356 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 83 Resp: 1748

Ion	Ratio	Lower	Upper
83	100		
55	113.9	56.2	84.4#
98	78.1	41.2	61.8#

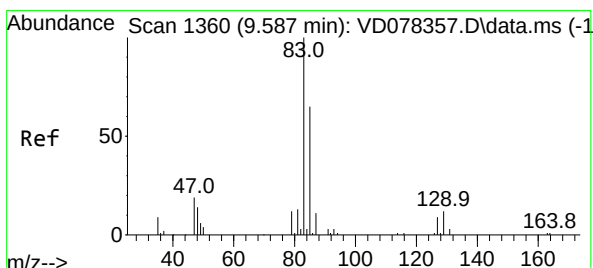
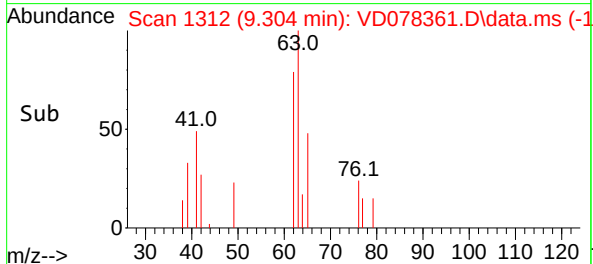
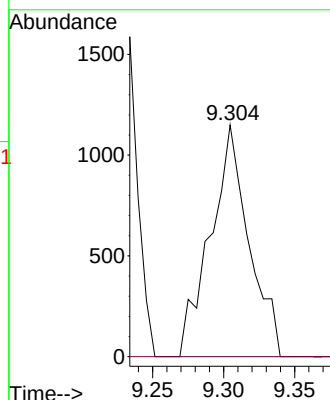
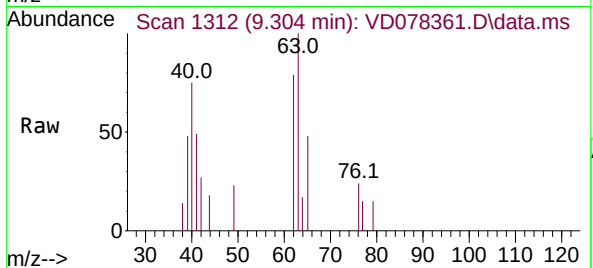




#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 9.304 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

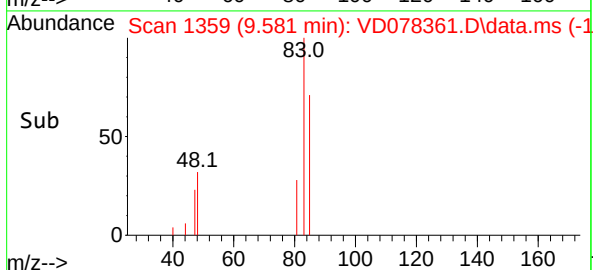
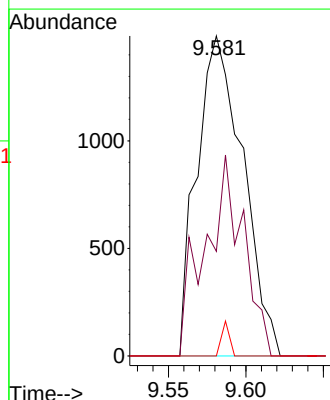
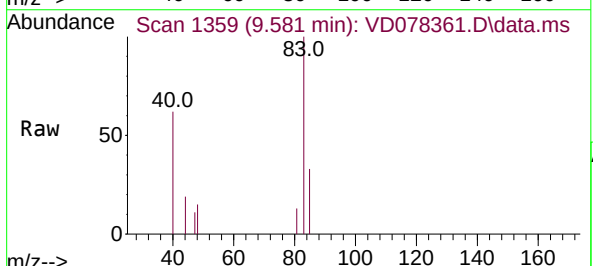
Instrument :
MSVOA_D
ClientSampleId :

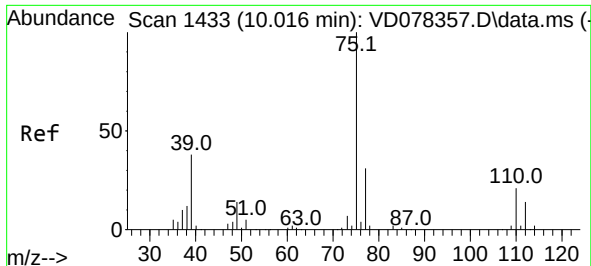
Tgt Ion: 63 Resp: 2171
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#38
Bromodichloromethane
Concen: 0.719 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 83 Resp: 3071
Ion Ratio Lower Upper
83 100
85 32.7 46.6 86.6#
127 0.0 8.1 12.1#





#39

cis-1,3-Dichloropropene

Concen: 0.599 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

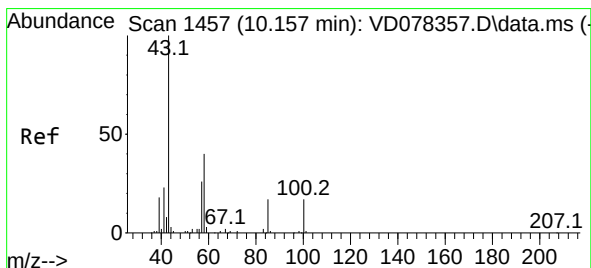
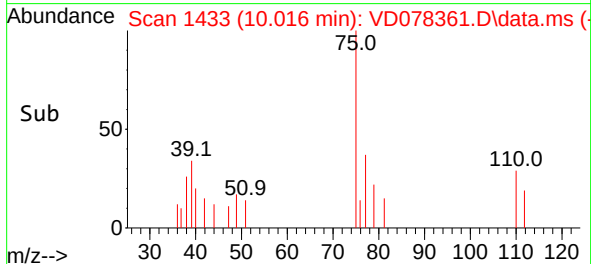
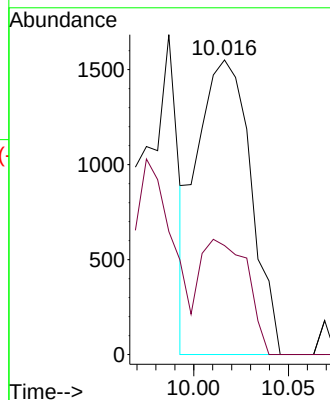
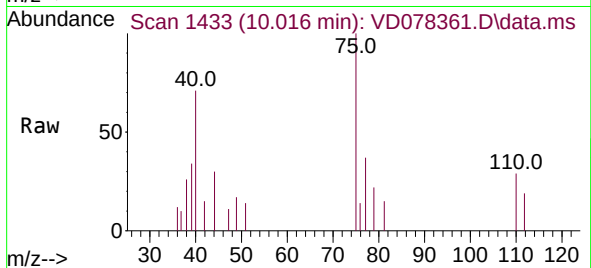
ClientSampleId :

Tgt Ion: 75 Resp: 3051

Ion Ratio Lower Upper

75 100

77 37.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 0.744 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

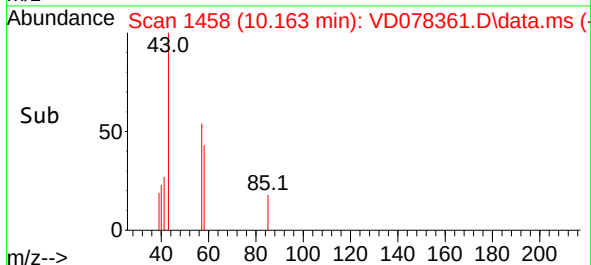
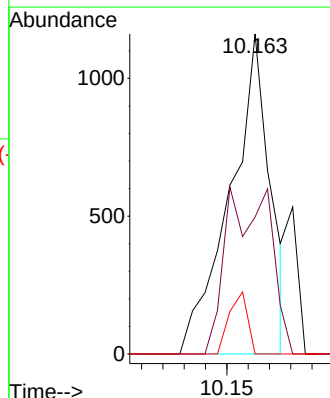
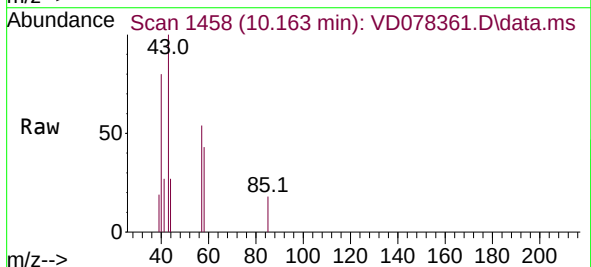
Tgt Ion: 43 Resp: 1513

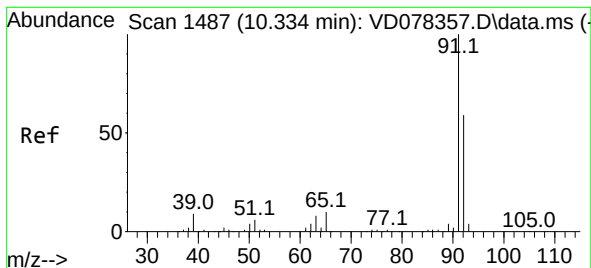
Ion Ratio Lower Upper

43 100

58 29.7 34.0 51.0#

100 8.9 13.2 19.8#





#42

Toluene

Concen: 0.656 ug/L

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

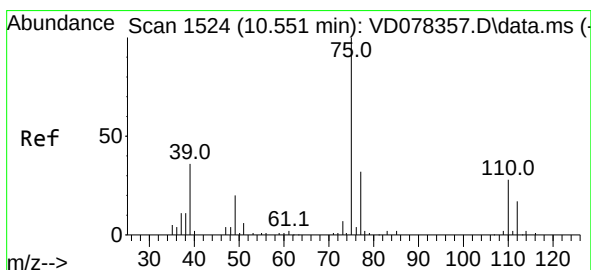
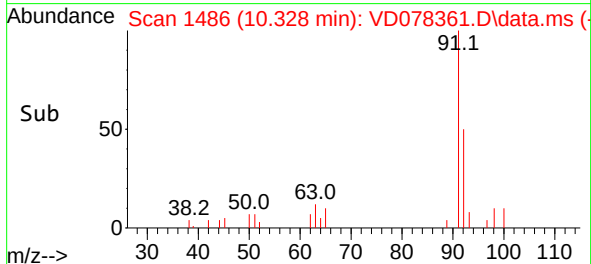
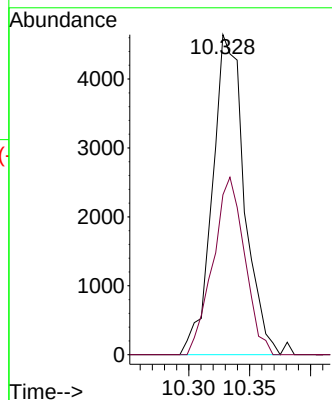
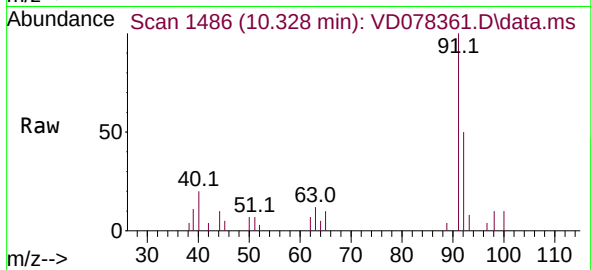
ClientSampleId :

Tgt Ion: 91 Resp: 8479

Ion Ratio Lower Upper

91 100

92 50.0 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 0.304 ug/L

RT: 10.551 min Scan# 1524

Delta R.T. 0.000 min

Lab File: VD078361.D

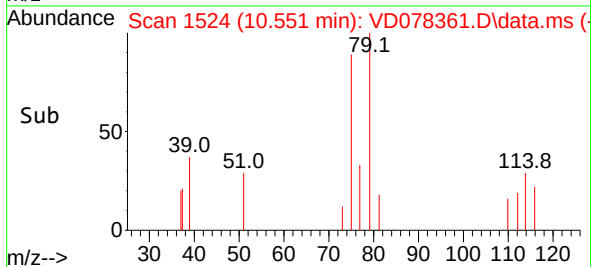
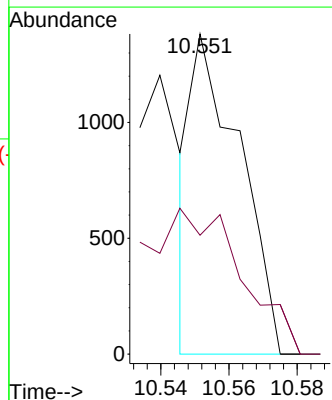
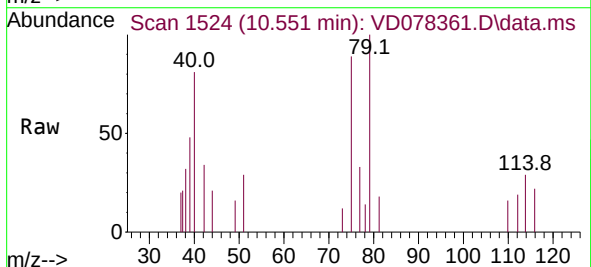
Acq: 07 Feb 2024 14:48

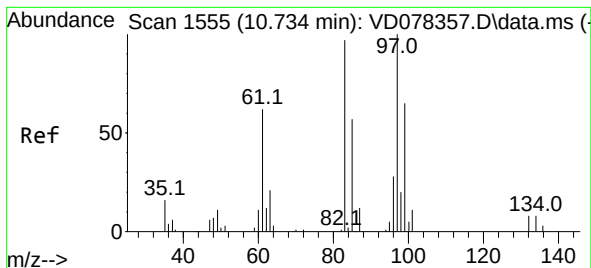
Tgt Ion: 75 Resp: 1354

Ion Ratio Lower Upper

75 100

77 37.1 20.7 38.5





#45

1,1,2-Trichloroethane

Concen: 0.625 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 1631

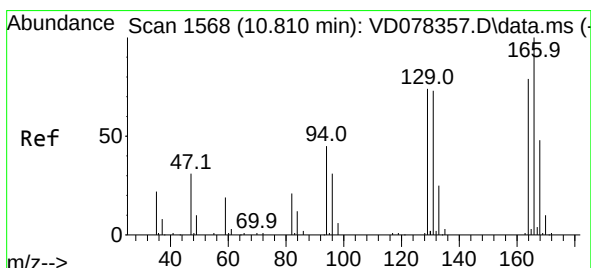
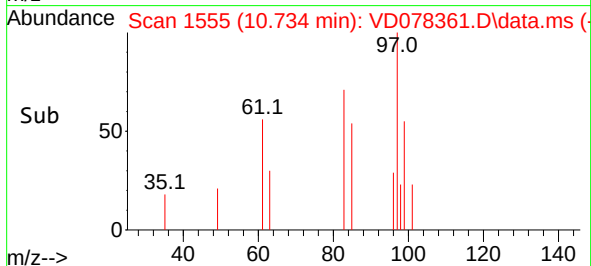
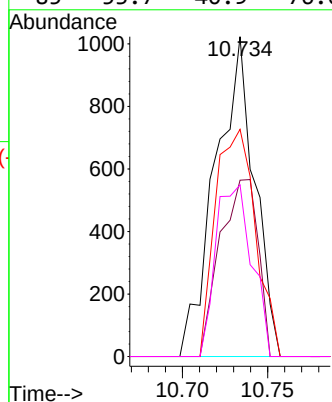
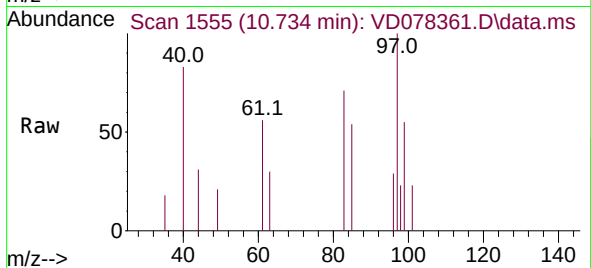
Ion Ratio Lower Upper

97 100

99 55.1 45.4 84.4

83 71.1 59.5 110.5

85 53.7 40.9 76.0



#46

Tetrachloroethene

Concen: 0.525 ug/L

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Tgt Ion: 164 Resp: 1132

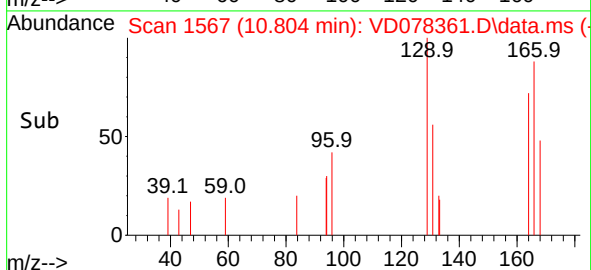
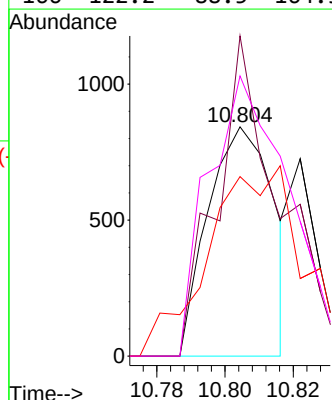
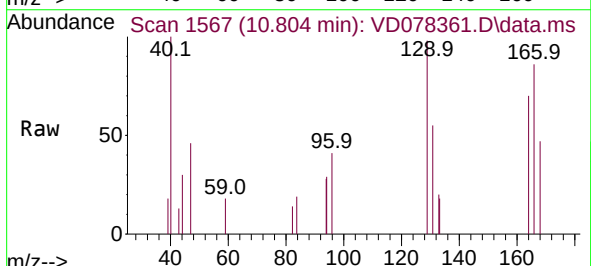
Ion Ratio Lower Upper

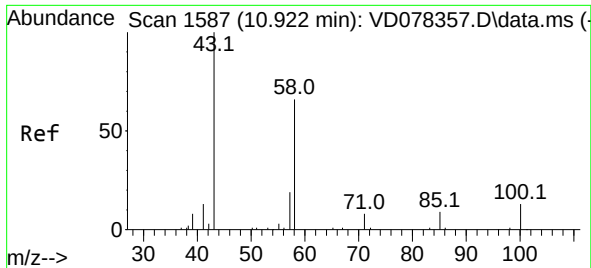
164 100

129 139.6 66.7 123.9#

131 78.3 65.2 121.0

166 122.2 88.5 164.3

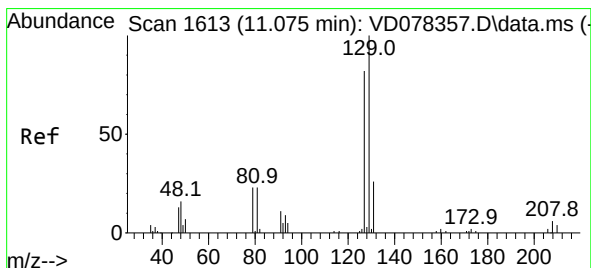
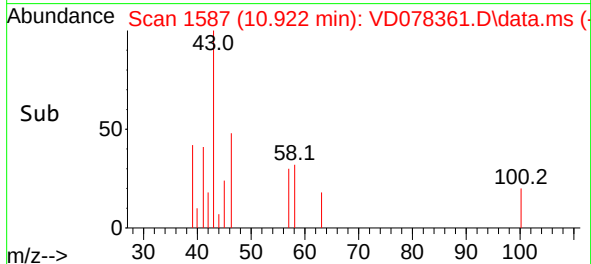
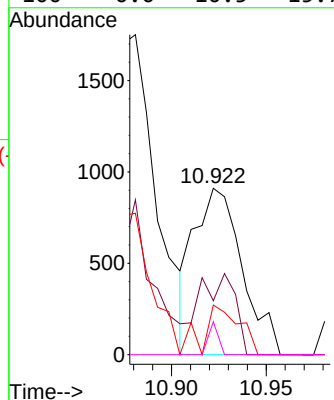
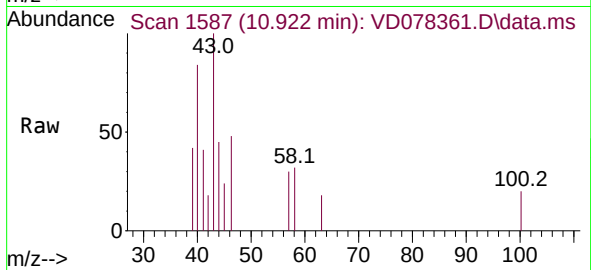




#48
2-Hexanone
Concen: 0.975 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

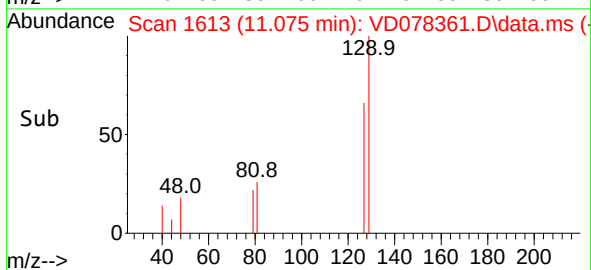
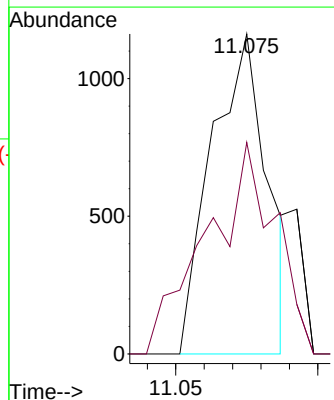
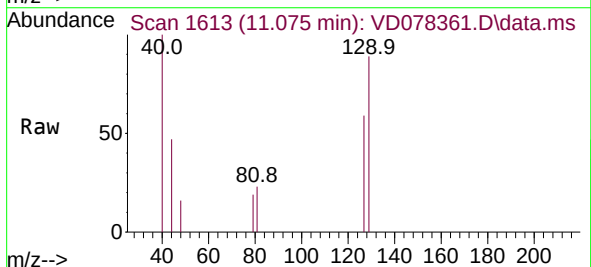
Instrument :
MSVOA_D
ClientSampleId :

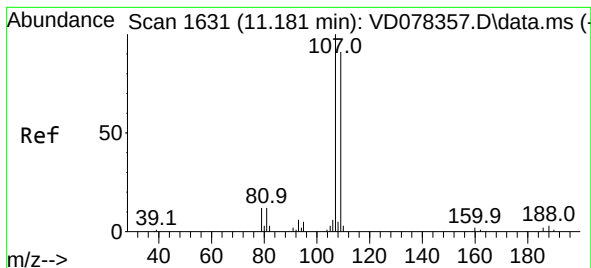
Tgt Ion: 43	Resp: 1617
Ion Ratio	Lower Upper
43 100	
58 36.3	48.5 72.7#
57 18.4	15.6 23.4
100 0.0	10.5 15.7#



#49
Dibromochloromethane
Concen: 0.541 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion:129	Resp:	1587	
Ion	Ratio	Lower	Upper
129	100		
127	66.1	52.7	97.9





#50

1,2-Dibromoethane

Concen: 0.531 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078361.D

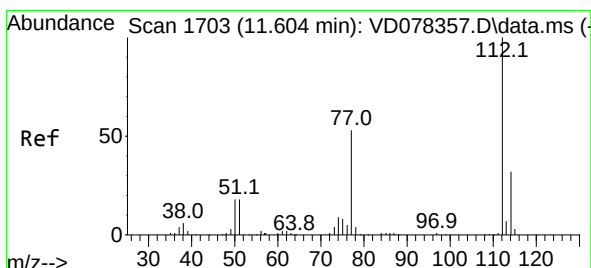
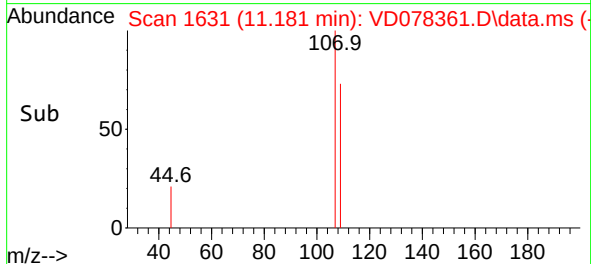
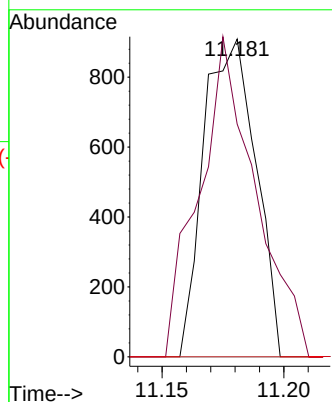
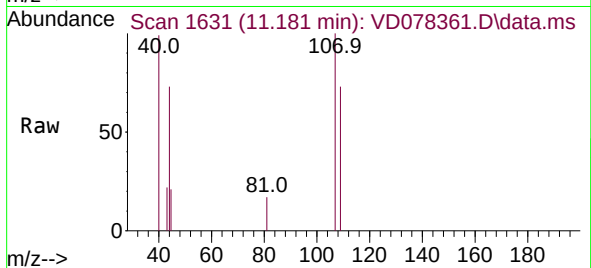
Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	107	Resp:	1352
Ion	Ratio	Lower	Upper
107	100		
109	73.3	64.0	118.8
188	0.0	3.1	4.7#



#51

Chlorobenzene

Concen: 0.654 ug/L

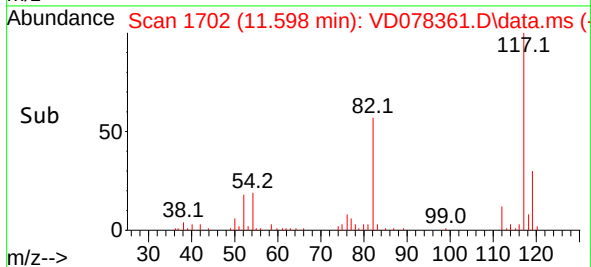
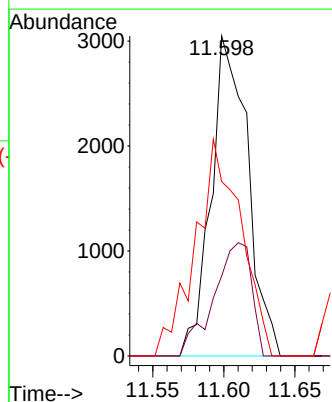
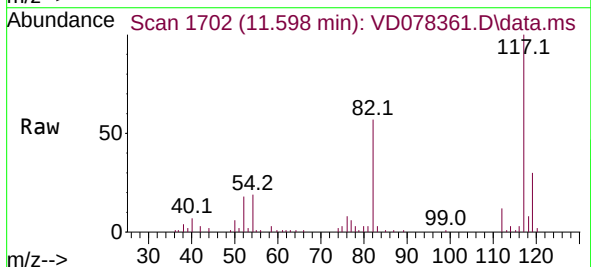
RT: 11.598 min Scan# 1702

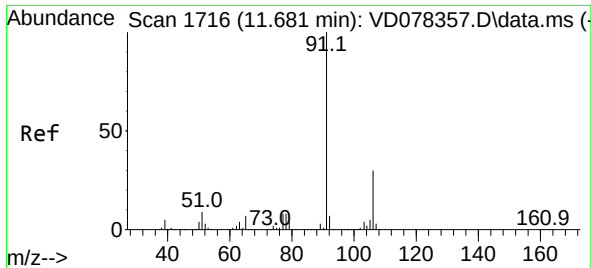
Delta R.T. -0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Tgt Ion:	112	Resp:	5473
Ion	Ratio	Lower	Upper
112	100		
114	25.0	22.3	41.3
77	54.5	42.3	63.5

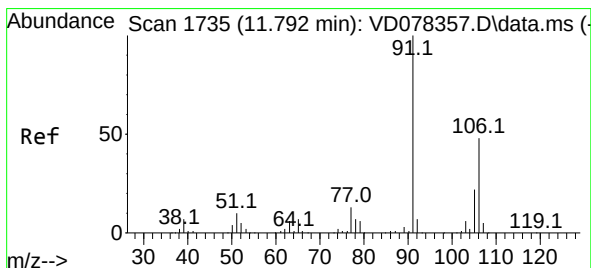
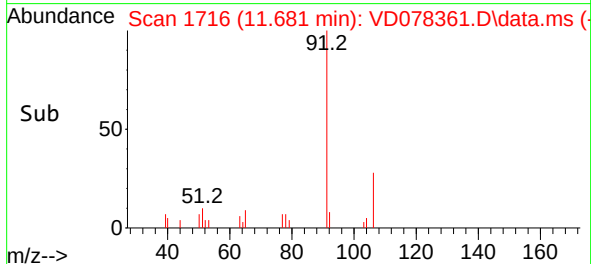
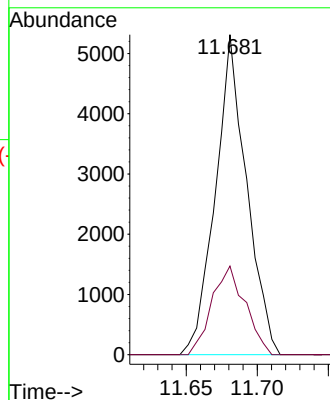
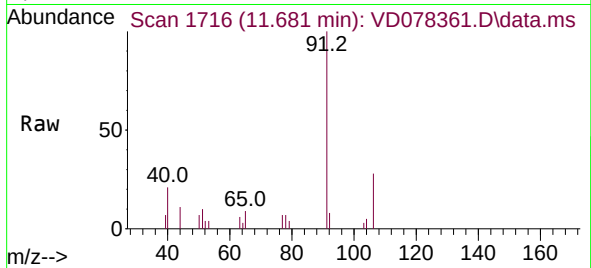




#52
Ethylbenzene
Concen: 0.584 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

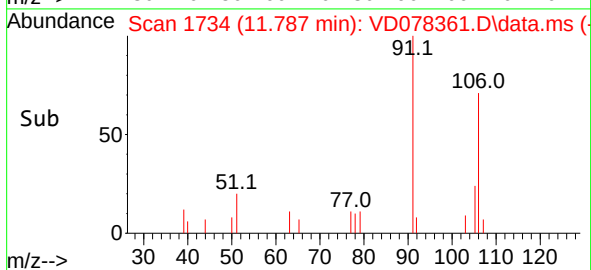
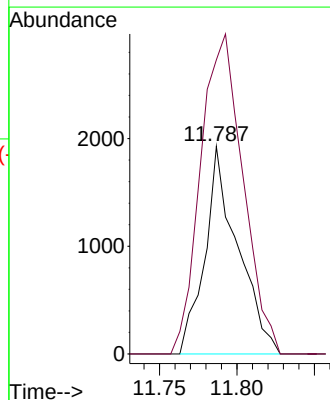
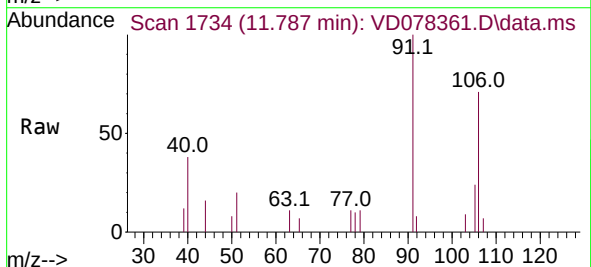
Instrument :
MSVOA_D
ClientSampleId :

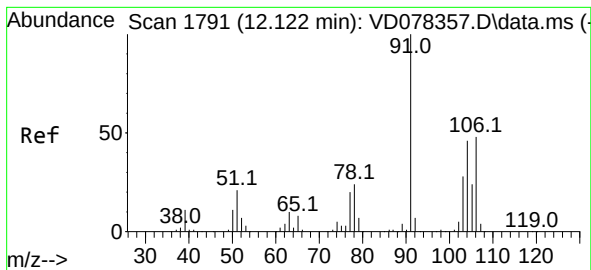
Tgt Ion: 91 Resp: 8110
Ion Ratio Lower Upper
91 100
106 27.7 22.5 41.7



#53
m,p-Xylene
Concen: 0.533 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 106 Resp: 2844
Ion Ratio Lower Upper
106 100
91 141.7 138.3 256.8





#54

o-Xylene

Concen: 0.451 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

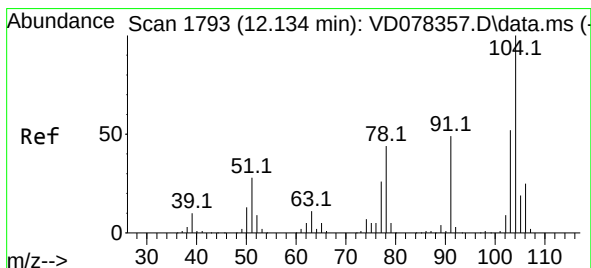
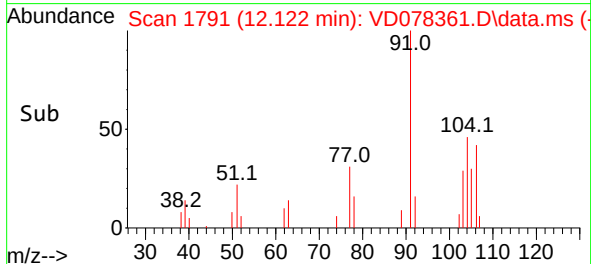
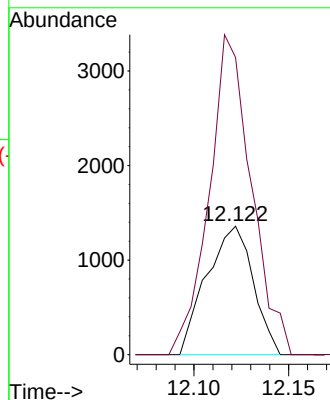
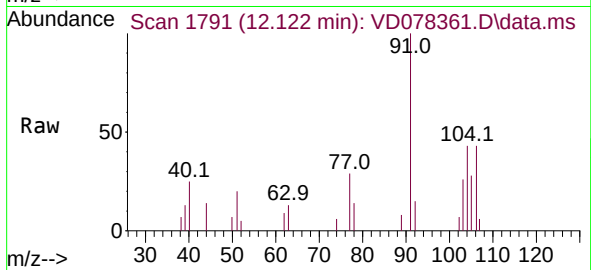
ClientSampleId :

Tgt Ion:106 Resp: 2323

Ion Ratio Lower Upper

106 100

91 231.5 148.0 274.8



#55

Styrene

Concen: 0.404 ug/L

RT: 12.128 min Scan# 1792

Delta R.T. -0.006 min

Lab File: VD078361.D

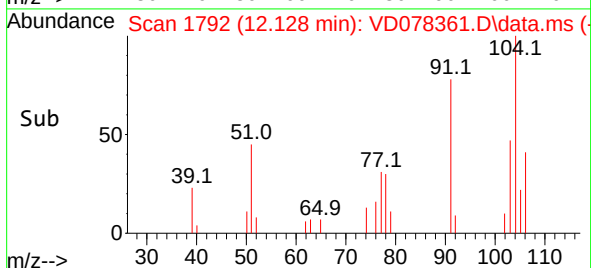
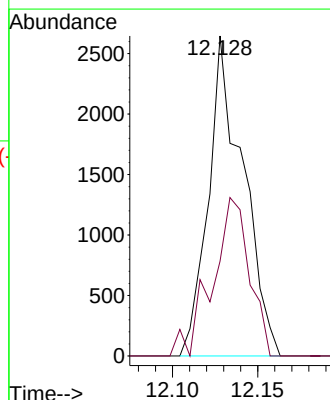
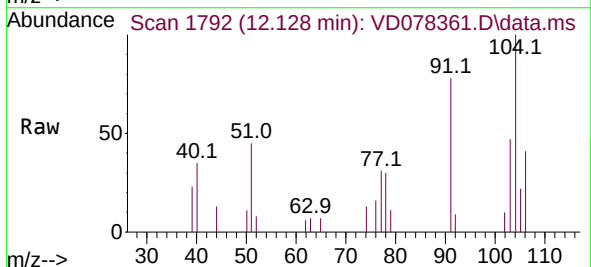
Acq: 07 Feb 2024 14:48

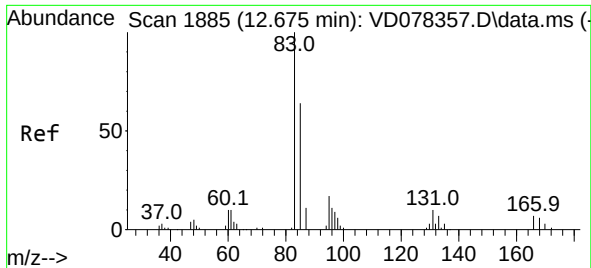
Tgt Ion:104 Resp: 3751

Ion Ratio Lower Upper

104 100

78 29.6 29.5 54.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.647 ug/L

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD078361.D

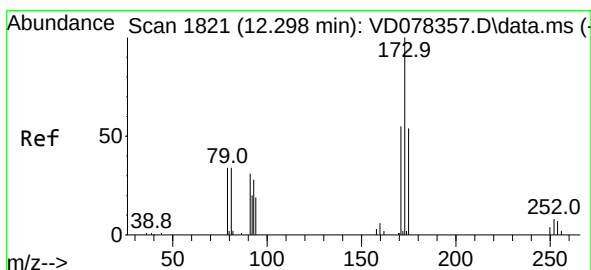
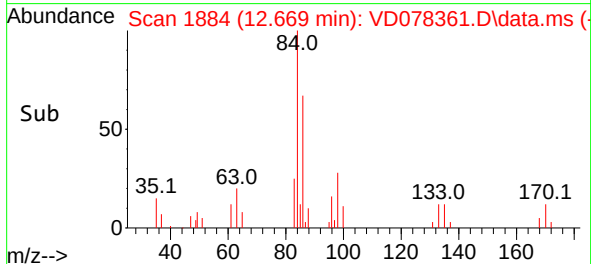
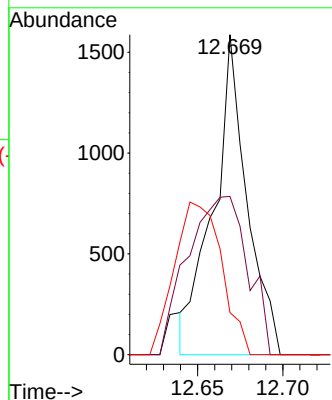
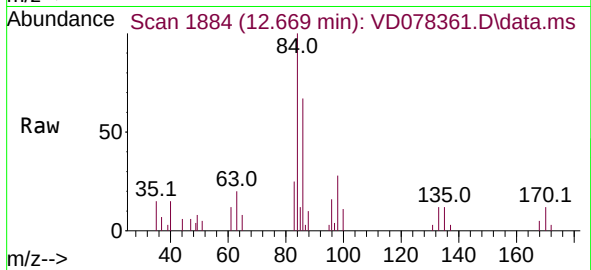
Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 83	Resp: 2165
Ion Ratio	Lower Upper
83	100
85	49.5 42.6 79.0
131	13.1 6.0 9.0#



#59

Bromoform

Concen: 0.570 ug/L

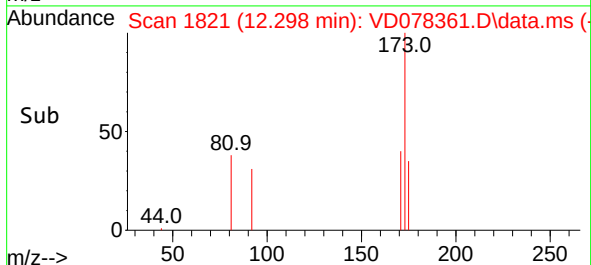
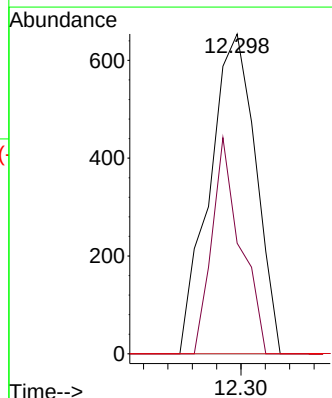
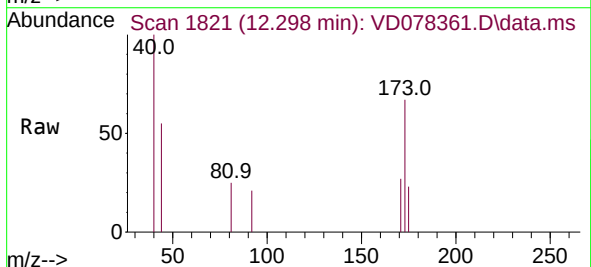
RT: 12.298 min Scan# 1821

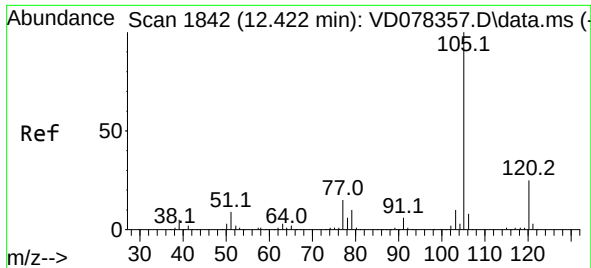
Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Tgt Ion: 173	Resp: 861
Ion Ratio	Lower Upper
173	100
175	41.9 40.2 60.4
254	0.0 6.6 9.8#

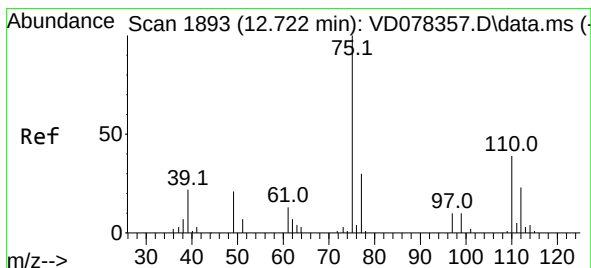
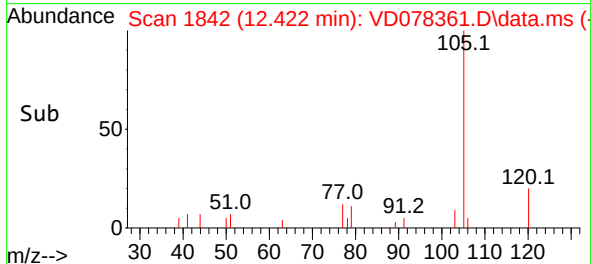
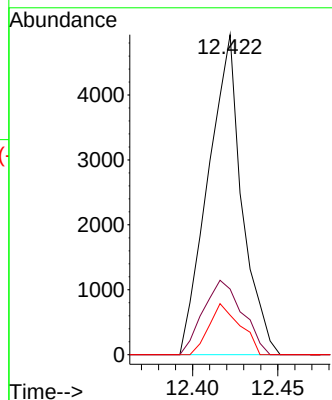
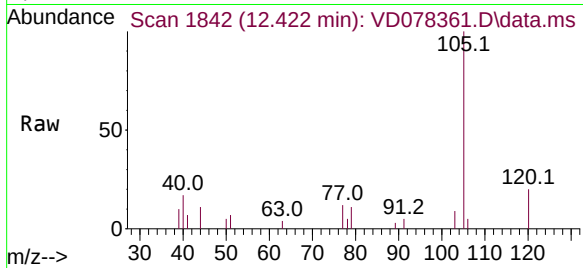




#60
Isopropylbenzene
Concen: 0.599 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

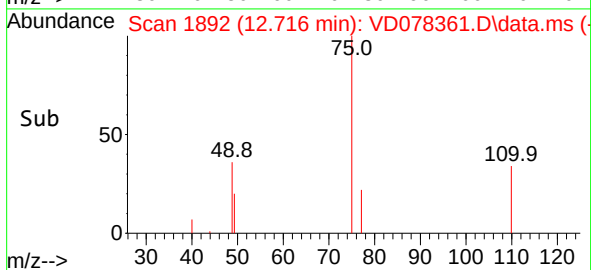
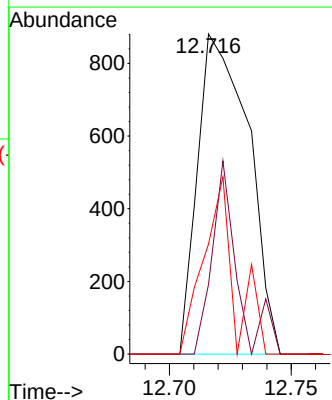
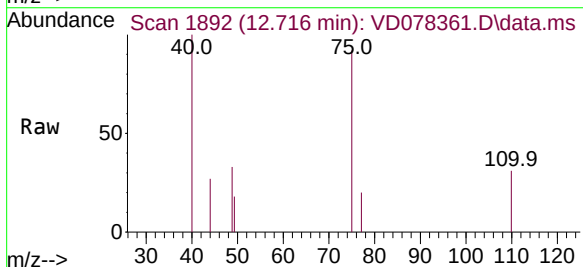
Instrument :
MSVOA_D
ClientSampleId :

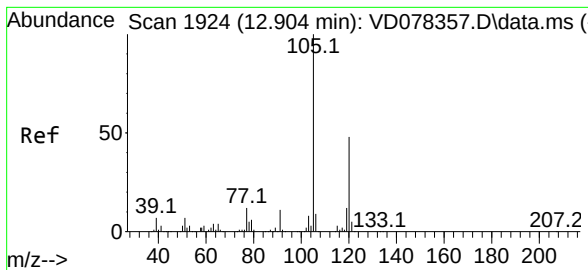
Tgt Ion:105 Resp: 6820
Ion Ratio Lower Upper
105 100
120 27.0 20.4 30.6
77 14.6 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 0.663 ug/L
RT: 12.716 min Scan# 1892
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
77 25.6 26.5 39.7#
110 27.0 31.8 47.8#

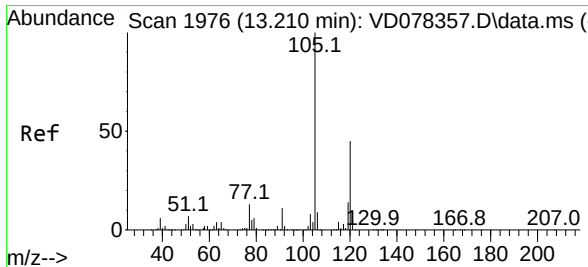
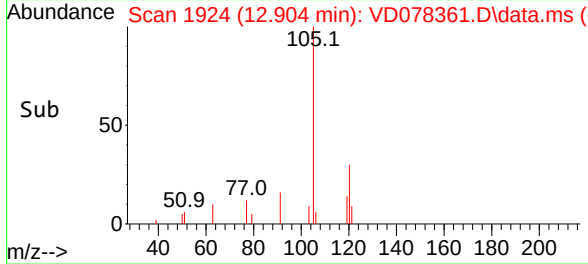
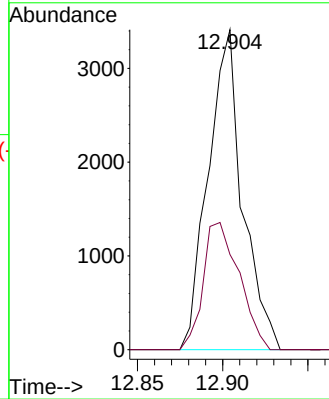
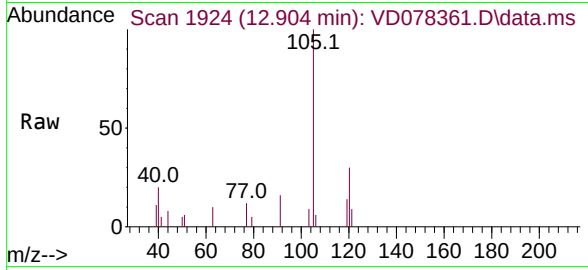




#62
 1,3,5-Trimethylbenzene
 Concen: 0.536 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

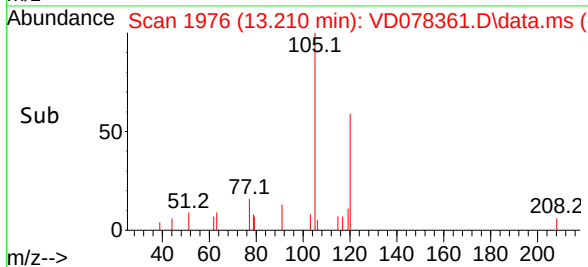
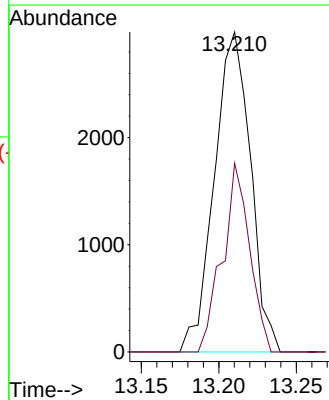
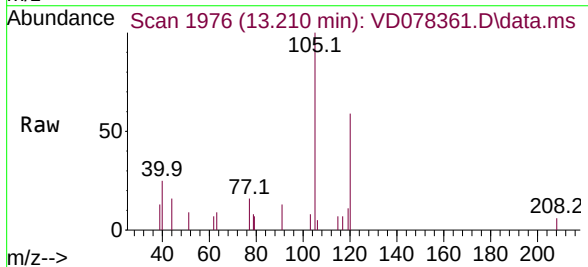
Instrument :
 MSVOA_D
 ClientSampleId :

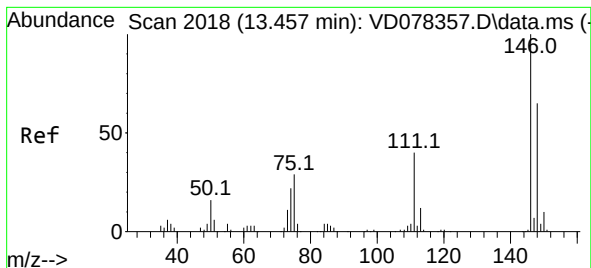
Tgt Ion:105 Resp: 4769
 Ion Ratio Lower Upper
 105 100
 120 41.8 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 0.549 ug/L
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

Tgt Ion:105 Resp: 4842
 Ion Ratio Lower Upper
 105 100
 120 44.3 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 0.651 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

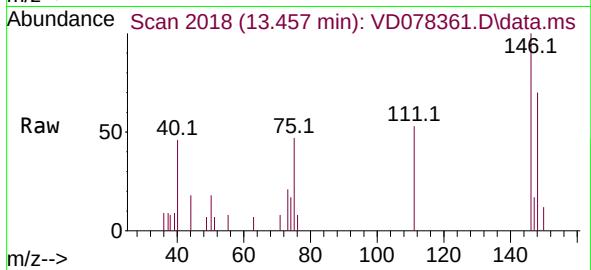
Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

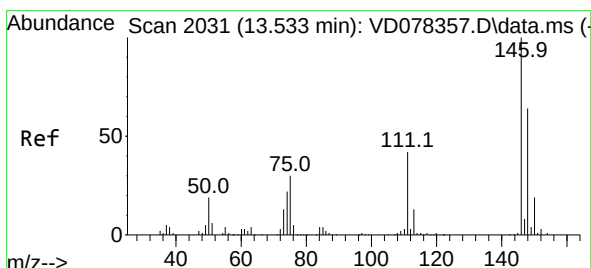
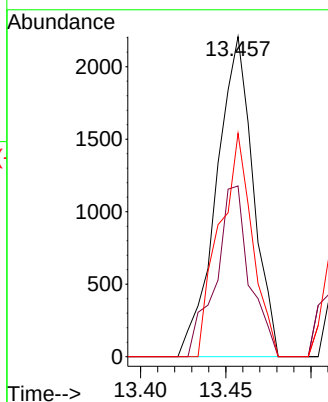
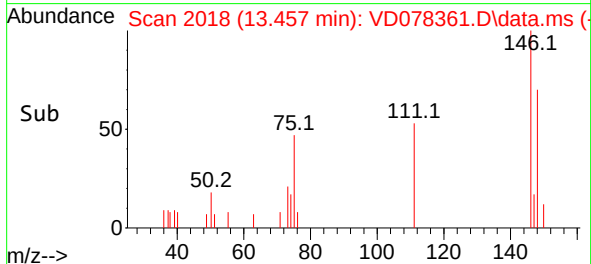
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	146	Resp:	3309
Ion	Ratio	Lower	Upper
146	100		
111	53.4	28.6	53.0#
148	69.8	46.5	86.3



#65

1,4-Dichlorobenzene

Concen: 0.714 ug/L

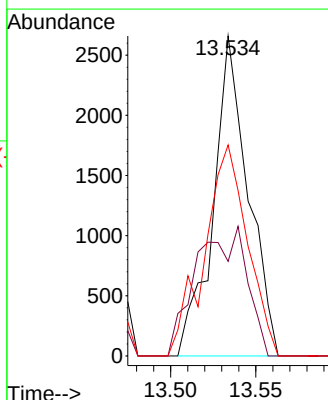
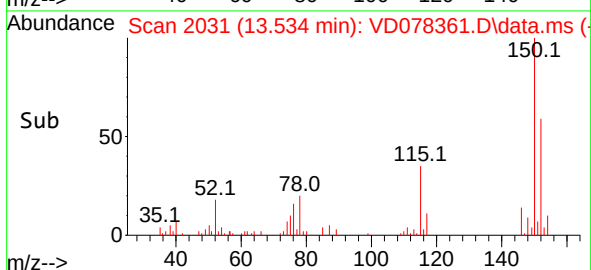
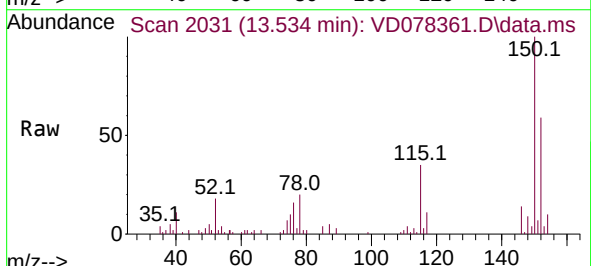
RT: 13.534 min Scan# 2031

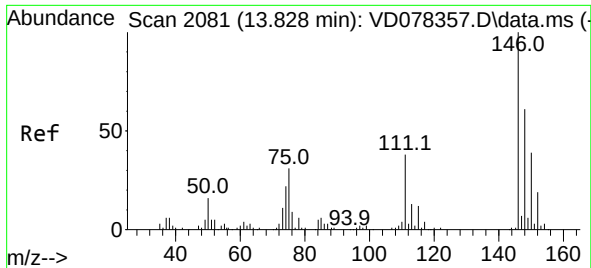
Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Tgt Ion:	146	Resp:	3796
Ion	Ratio	Lower	Upper
146	100		
111	29.5	26.4	49.0
148	65.9	44.5	82.7





#67

1,2-Dichlorobenzene

Concen: 0.742 ug/L

RT: 13.822 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

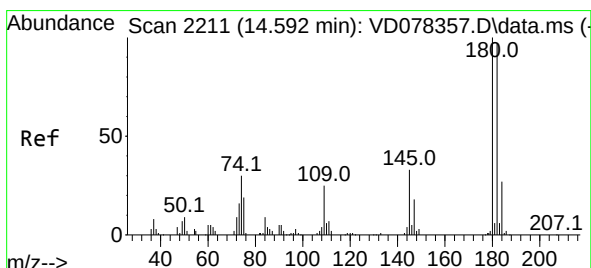
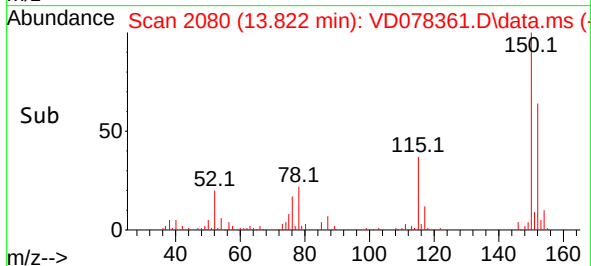
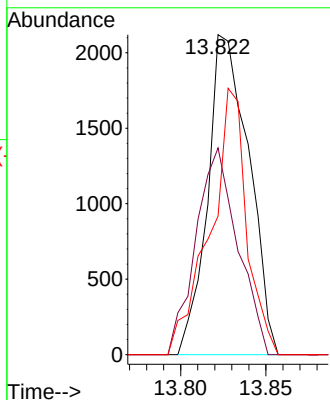
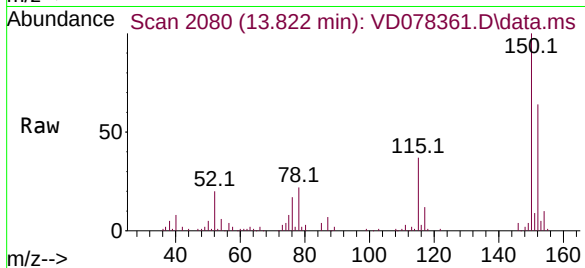
Tgt Ion:146 Resp: 3568

Ion Ratio Lower Upper

146 100

111 64.6 33.6 50.4#

148 43.3 48.4 72.6#



#69

1,3,5-Trichlorobenzene

Concen: 0.622 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. 0.000 min

Lab File: VD078361.D

Acq: 07 Feb 2024 14:48

Tgt Ion:180 Resp: 1946

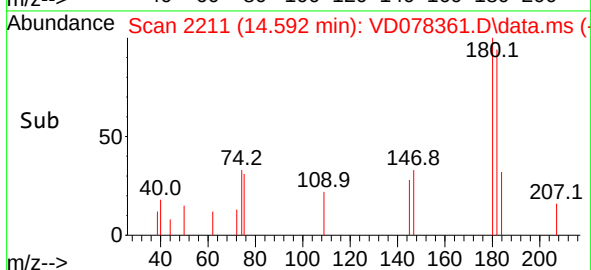
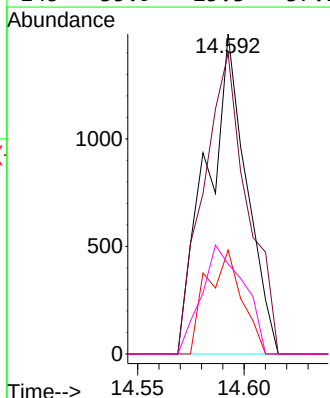
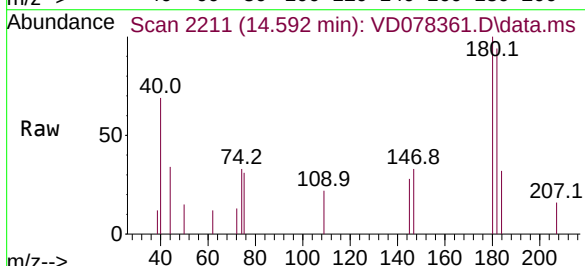
Ion Ratio Lower Upper

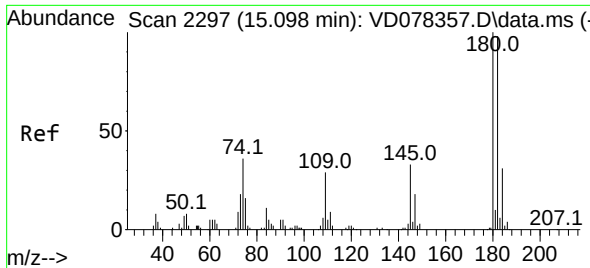
180 100

182 102.7 75.6 113.4

184 28.6 23.2 34.8

145 35.9 25.3 37.9

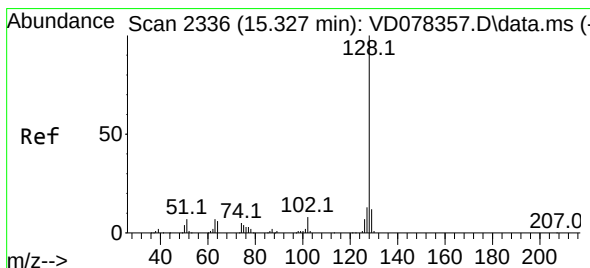
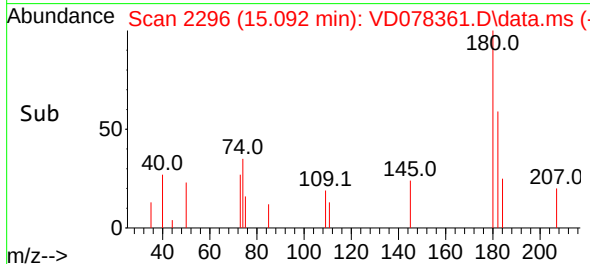
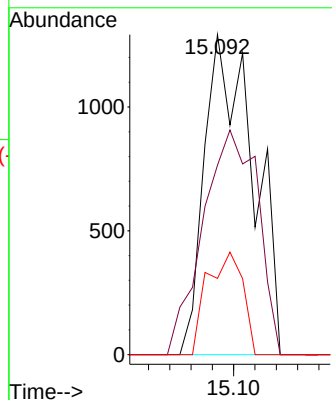
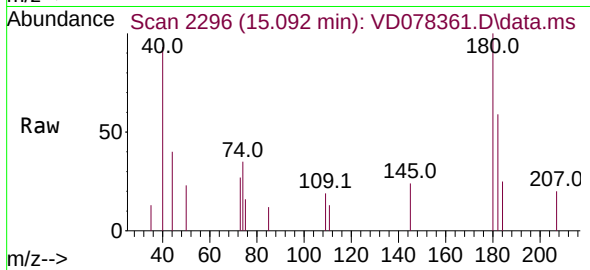




#70
1,2,4-trichlorobenzene
Concen: 0.758 ug/L
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

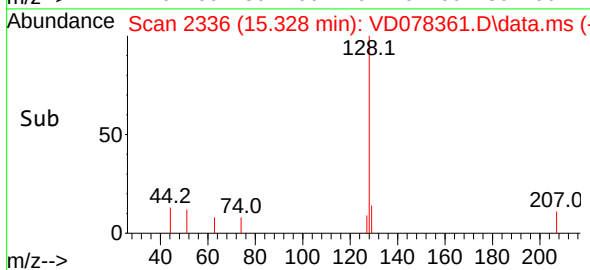
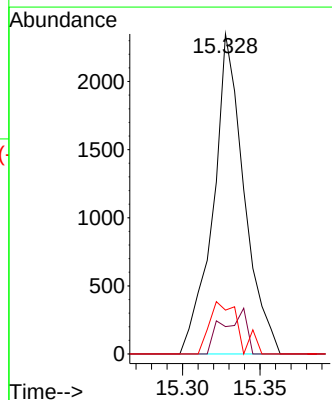
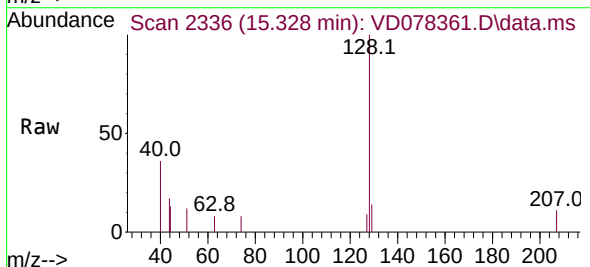
Instrument :
MSVOA_D
ClientSampleId :

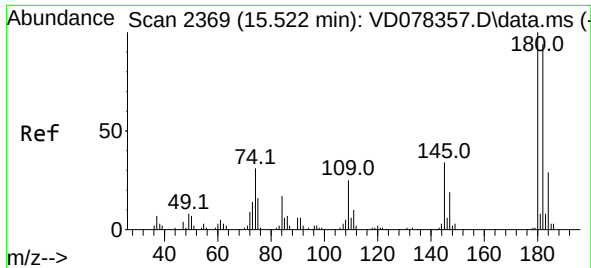
Tgt Ion:180 Resp: 2052
Ion Ratio Lower Upper
180 100
182 79.1 76.2 114.4
145 23.4 25.0 37.6#



#71
Naphthalene
Concen: 0.515 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VD078361.D
Acq: 07 Feb 2024 14:48

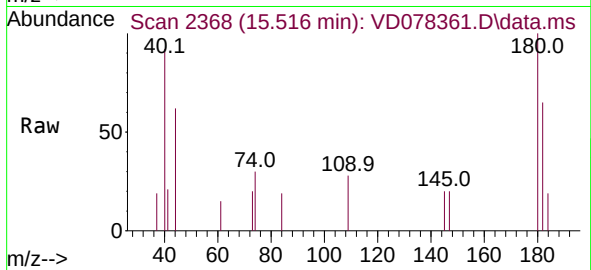
Tgt Ion:128 Resp: 3259
Ion Ratio Lower Upper
128 100
127 4.8 11.0 16.4#
129 13.3 8.6 12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.597 ug/L
 RT: 15.516 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD078361.D
 Acq: 07 Feb 2024 14:48

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:180	Resp:	1508
Ion Ratio	Lower	Upper
180	100	
182	88.9	75.4 113.0
145	14.1	26.8 40.2#

