

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020524\
 Data File : VD078340.D
 Acq On : 05 Feb 2024 10:27
 Operator : RP/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 06 00:46:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 03 00:20:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	221879	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	231418	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	102800	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	119625	19.003	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.000%
7) Chloroethane-d5	2.805	69	101799	19.238	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.960%
11) 1,1-Dichloroethene-d2	3.922	65	26146	19.236	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.960%
21) 2-Butanone-d5	6.987	46	41665	44.954	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.900%
24) Chloroform-d	7.569	84	140165	22.156	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.640%
26) 1,2-Dichloroethane-d4	8.228	65	72840	21.336	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.360%
32) Benzene-d6	8.198	84	261708	19.341	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.360%
36) 1,2-Dichloropropane-d6	9.210	67	86096	20.667	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.680%
41) Toluene-d8	10.269	98	234768	19.316	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.280%
43) trans-1,3-Dichloroprop...	10.522	79	37970	20.413	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.640%
47) 2-Hexanone-d5	10.881	63	40090	47.432	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.860%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	80281	20.739	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.960%
66) 1,2-Dichlorobenzene-d4	13.816	152	83463	22.679	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	115913	26.495	ug/L	100
3) Chloromethane	2.152	50	161919	25.448	ug/L	99
5) Vinyl chloride	2.287	62	196345	24.959	ug/L	99
6) Bromomethane	2.693	94	103437	29.002	ug/L	97
8) Chloroethane	2.840	64	124637	24.885	ug/L	98
9) Trichlorofluoromethane	3.175	101	154092	27.554	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	93084	26.749	ug/L	97
12) 1,1-Dichloroethene	3.940	96	83195	25.832	ug/L	88
13) Acetone	4.022	43	62251	51.154	ug/L	83
14) Carbon disulfide	4.275	76	288734	24.323	ug/L	99
15) Methyl Acetate	4.563	43	41636	22.834	ug/L #	75
16) Methylene chloride	4.805	84	101033	23.218	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	94638	26.667	ug/L	92
18) Methyl tert-butyl Ether	5.316	73	220590	26.724	ug/L	99
19) 1,1-Dichloroethane	6.116	63	167290	26.938	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	103927	26.720	ug/L	91
22) 2-Butanone	7.081	43	73776	50.070	ug/L	100
23) Bromochloromethane	7.434	128	46410	27.013	ug/L	96
25) Chloroform	7.599	83	176890	26.103	ug/L	98

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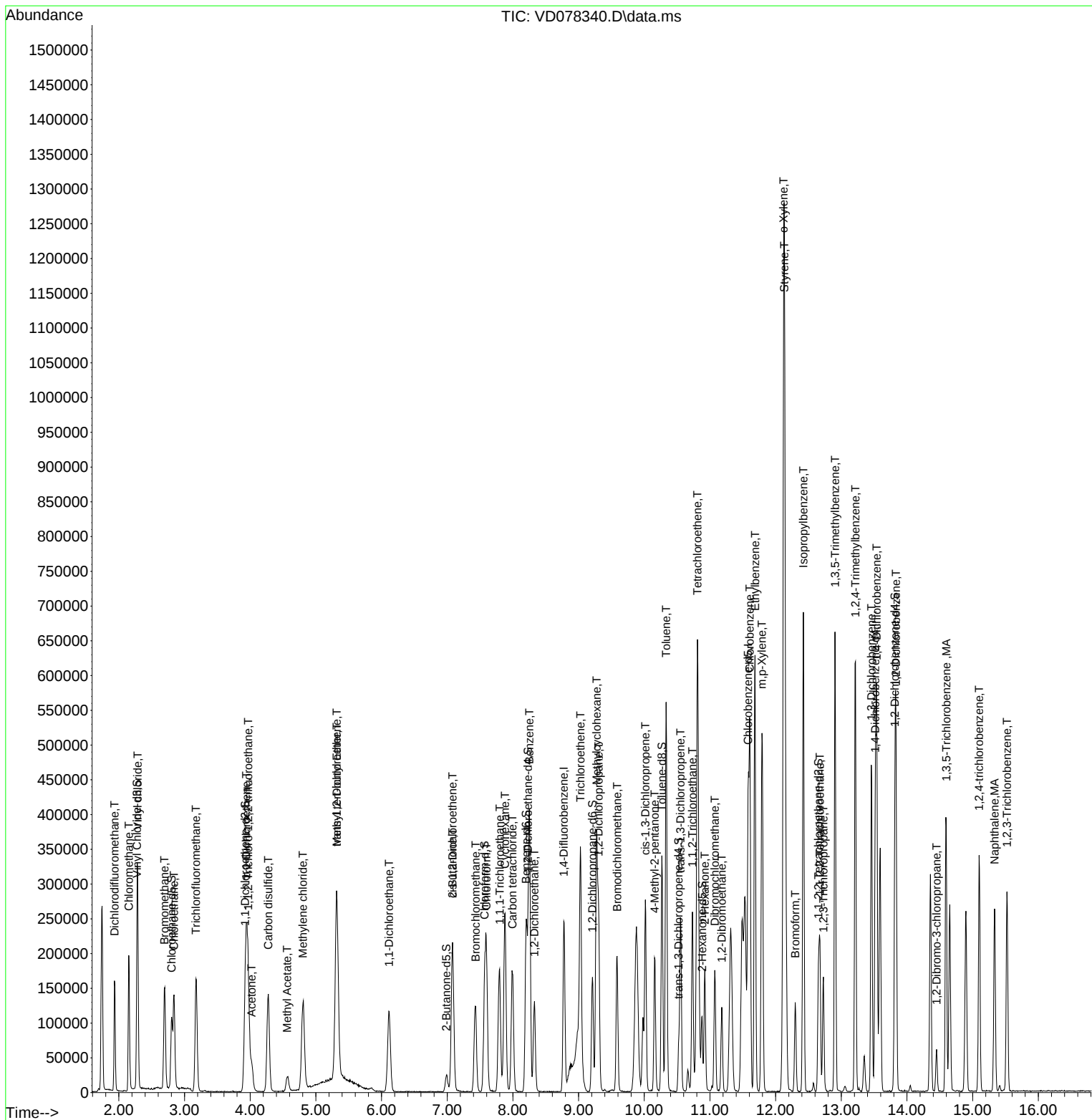
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 ClientSampleId :

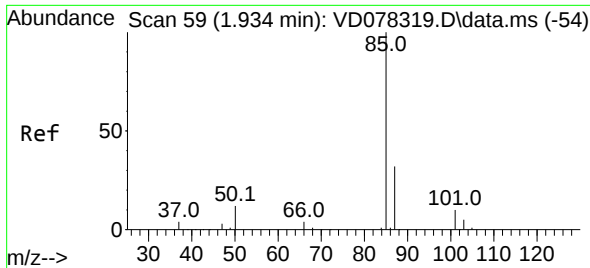
Quant Time: Feb 06 00:46:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 03 00:20:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	112212	25.784	ug/L	97
29) Cyclohexane	7.881	56	136106	26.018	ug/L	95
30) 1,1,1-Trichloroethane	7.798	97	147483	25.999	ug/L	99
31) Carbon tetrachloride	7.993	117	128930	25.800	ug/L	99
33) Benzene	8.251	78	388558	24.917	ug/L	100
34) Trichloroethene	9.028	95	102846	26.113	ug/L	97
35) Methylcyclohexane	9.275	83	158073	25.649	ug/L	98
37) 1,2-Dichloropropane	9.304	63	99009	24.095	ug/L	99
38) Bromodichloromethane	9.587	83	132658	24.744	ug/L #	97
39) cis-1,3-Dichloropropene	10.016	75	167258	26.150	ug/L	100
40) 4-Methyl-2-pentanone	10.157	43	126273	49.480	ug/L	98
42) Toluene	10.334	91	420489	25.917	ug/L	100
44) trans-1,3-Dichloropropene	10.551	75	140129	25.041	ug/L	98
45) 1,1,2-Trichloroethane	10.734	97	80640	24.620	ug/L	97
46) Tetrachloroethene	10.810	164	74668	27.610	ug/L	98
48) 2-Hexanone	10.922	43	108960	52.344	ug/L	97
49) Dibromochloromethane	11.075	129	93360	25.362	ug/L	96
50) 1,2-Dibromoethane	11.181	107	77613	24.292	ug/L	87
51) Chlorobenzene	11.604	112	275292	26.206	ug/L	97
52) Ethylbenzene	11.687	91	464041	26.626	ug/L	97
53) m,p-Xylene	11.792	106	174233	26.013	ug/L	99
54) o-Xylene	12.122	106	174428	27.005	ug/L	99
55) Styrene	12.134	104	315421	27.072	ug/L	87
57) 1,1,2,2-Tetrachloroethane	12.675	83	98958	23.581	ug/L	99
59) Bromoform	12.298	173	54673	26.507	ug/L	97
60) Isopropylbenzene	12.422	105	438312	28.218	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	66302	25.285	ug/L	99
62) 1,3,5-Trimethylbenzene	12.904	105	339964	27.980	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	341886	28.409	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	185075	26.700	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	199632	27.510	ug/L	99
67) 1,2-Dichlorobenzene	13.833	146	174142	26.560	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.451	75	14896	25.639	ug/L	93
69) 1,3,5-Trichlorobenzene	14.598	180	117300	27.467	ug/L	98
70) 1,2,4-trichlorobenzene	15.098	180	103745	28.106	ug/L	98
71) Naphthalene	15.333	128	227976	26.381	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	92730	26.911	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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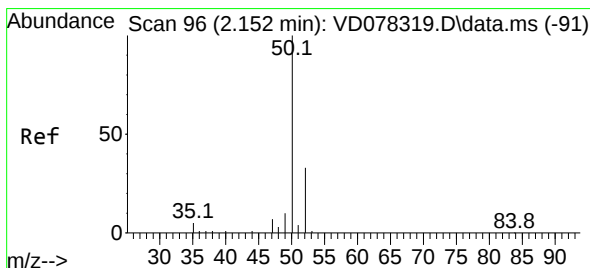
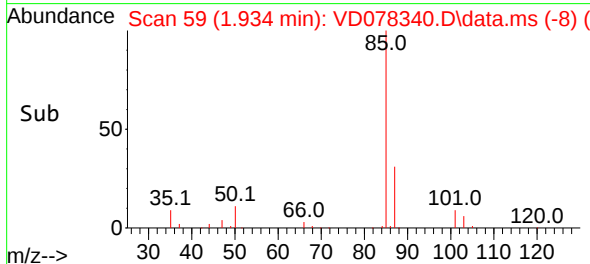
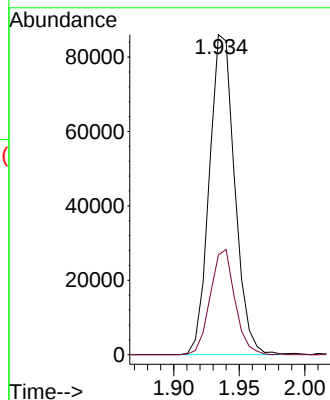
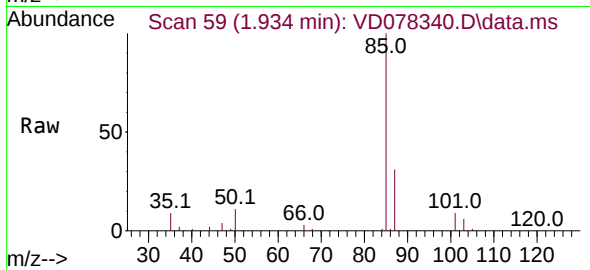




#2
 Dichlorodifluoromethane
 Concen: 26.495 ug/L
 RT: 1.934 min Scan# 59
 Delta R.T. 0.000 min
 Lab File: VD078340.D
 Acq: 05 Feb 2024 10:27

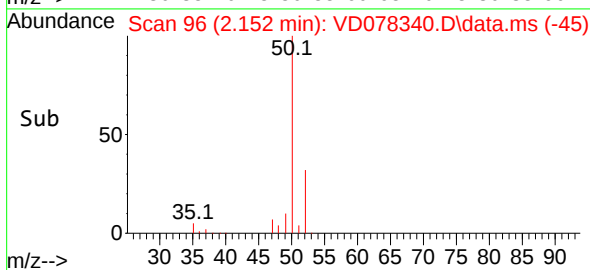
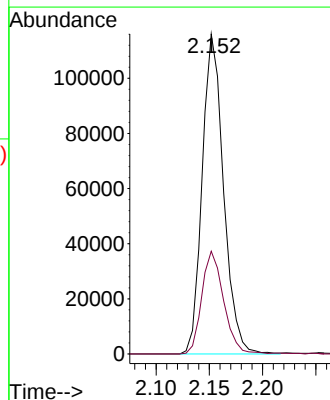
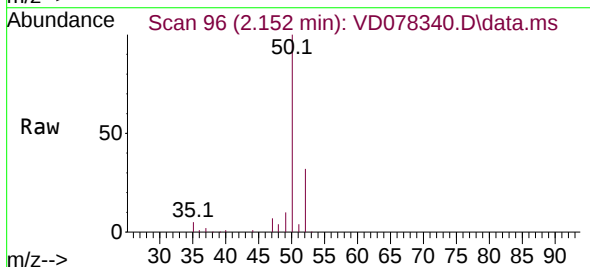
Instrument :
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 ClientSampleId :

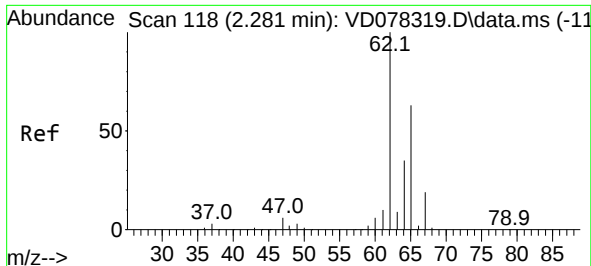
Tgt Ion: 85 Resp: 115913
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.3 37.9



#3
 Chloromethane
 Concen: 25.448 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VD078340.D
 Acq: 05 Feb 2024 10:27

Tgt Ion: 50 Resp: 161919
 Ion Ratio Lower Upper
 50 100
 52 32.1 22.7 42.3

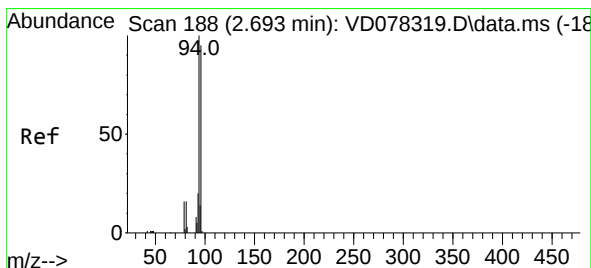
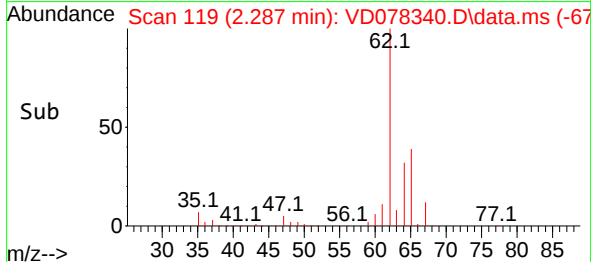
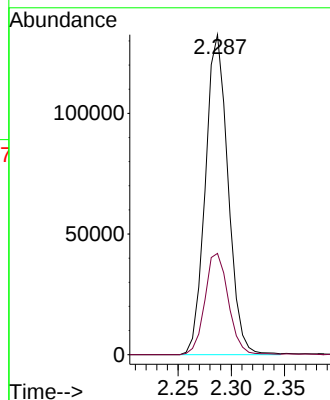
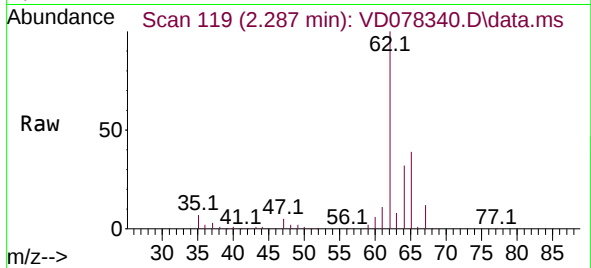




#5
 Vinyl chloride
 Concen: 24.959 ug/L
 RT: 2.287 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: VD078340.D
 Acq: 05 Feb 2024 10:27

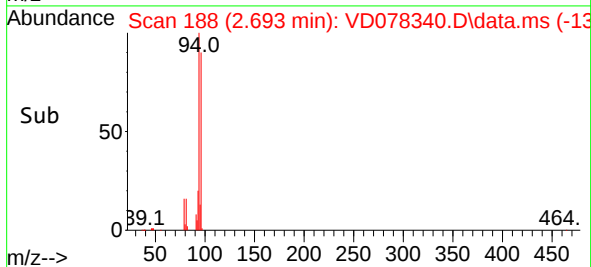
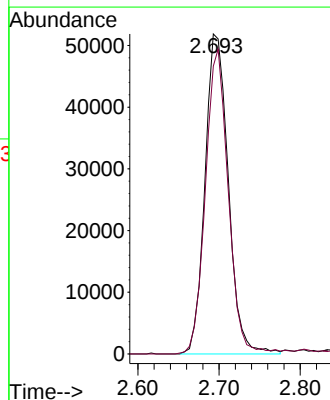
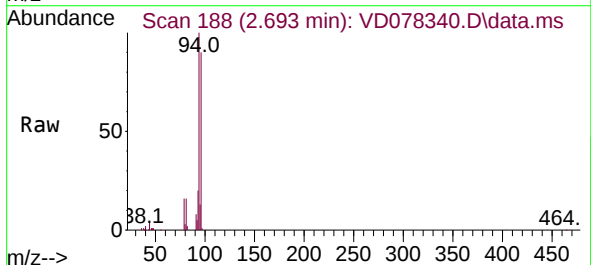
Instrument :
 MSVOA_D
 ClientSampleId :

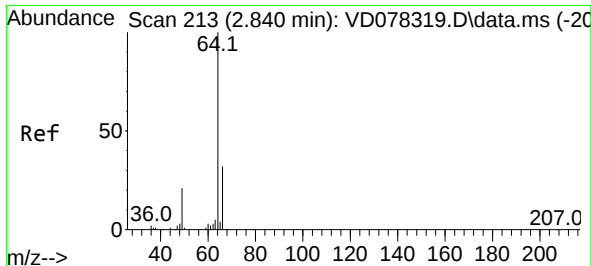
Tgt Ion: 62 Resp: 196345
 Ion Ratio Lower Upper
 62 100
 64 31.6 21.7 40.3



#6
 Bromomethane
 Concen: 29.002 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD078340.D
 Acq: 05 Feb 2024 10:27

Tgt Ion: 94 Resp: 103437
 Ion Ratio Lower Upper
 94 100
 96 89.9 64.8 120.4

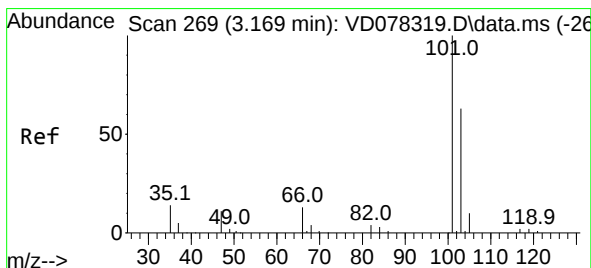
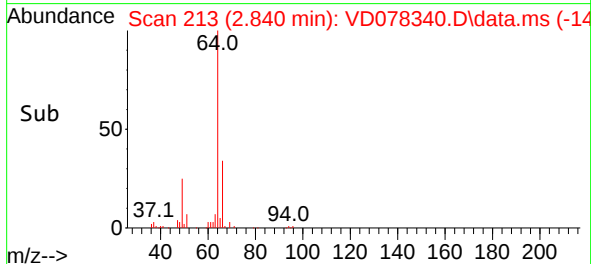
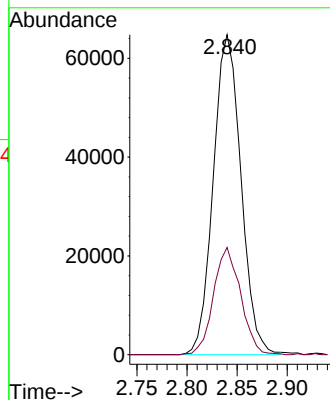
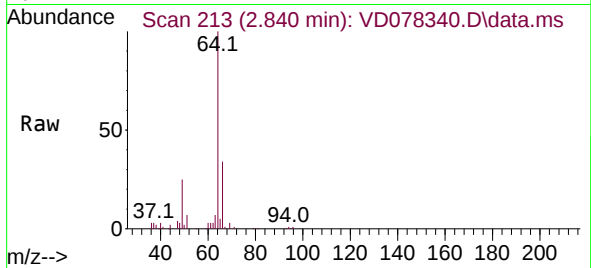




#8
Chloroethane
Concen: 24.885 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

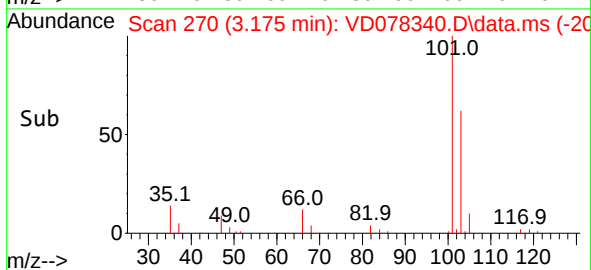
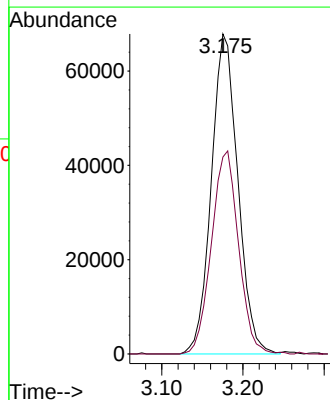
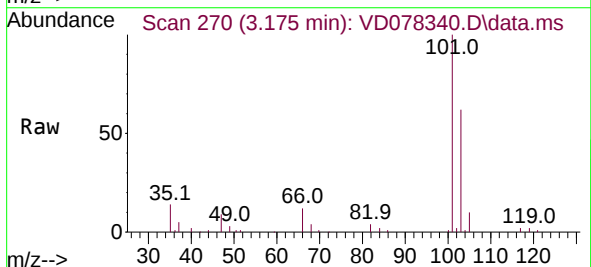
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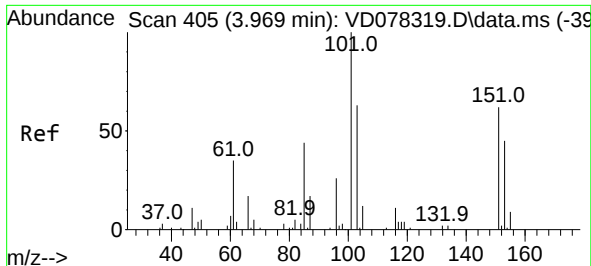
Tgt Ion: 64 Resp: 124637
Ion Ratio Lower Upper
64 100
66 33.5 22.8 42.4



#9
Trichlorofluoromethane
Concen: 27.554 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.006 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion:101 Resp: 154092
Ion Ratio Lower Upper
101 100
103 64.7 51.1 76.7

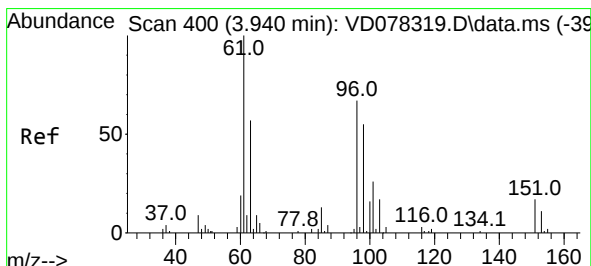
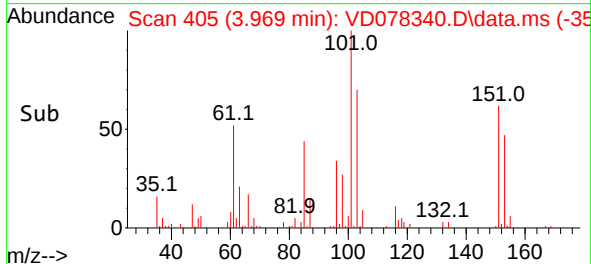
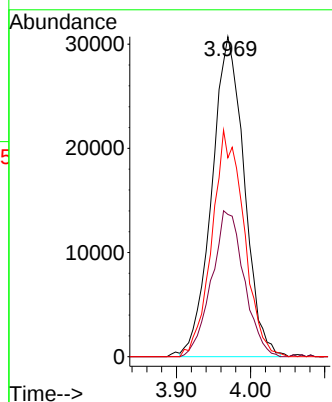
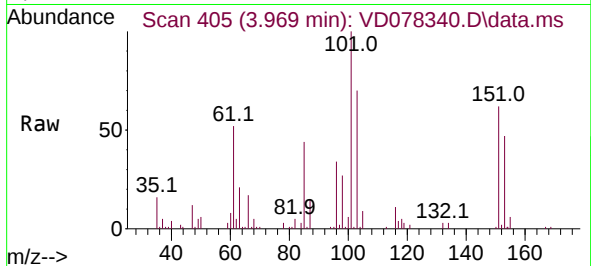




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.749 ug/L
 RT: 3.969 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VD078340.D
 Acq: 05 Feb 2024 10:27

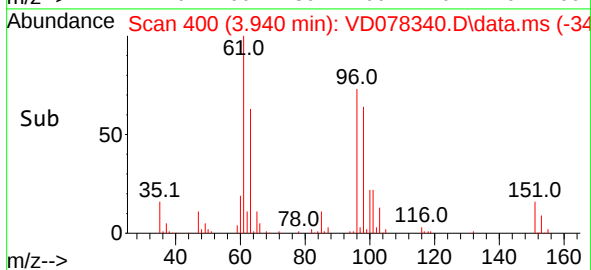
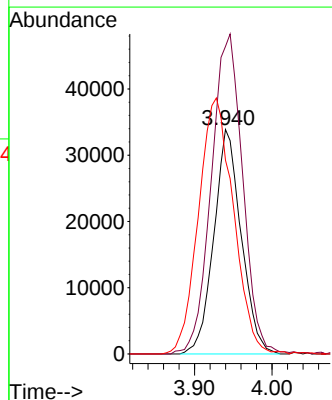
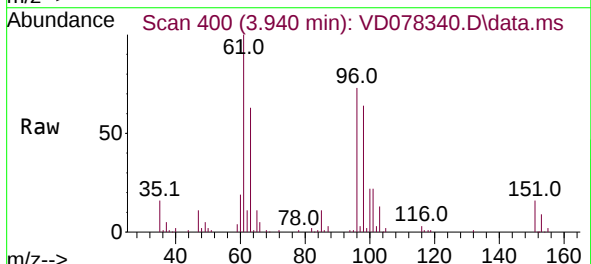
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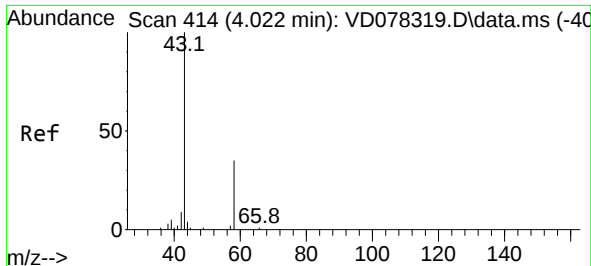
Tgt Ion:101 Resp: 93084
 Ion Ratio Lower Upper
 101 100
 85 45.8 34.6 51.8
 151 70.2 54.6 81.8



#12
 1,1-Dichloroethene
 Concen: 25.832 ug/L
 RT: 3.940 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VD078340.D
 Acq: 05 Feb 2024 10:27

Tgt Ion: 96 Resp: 83195
 Ion Ratio Lower Upper
 96 100
 61 137.0 108.8 202.2
 63 86.3 65.2 121.0





#13

Acetone

Concen: 51.154 ug/L

RT: 4.022 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

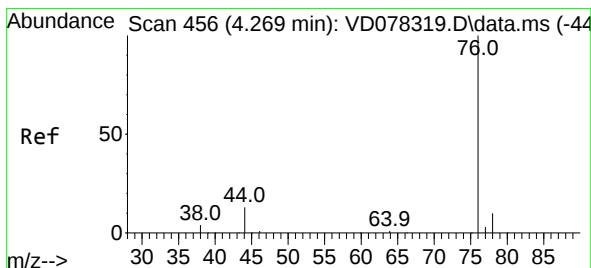
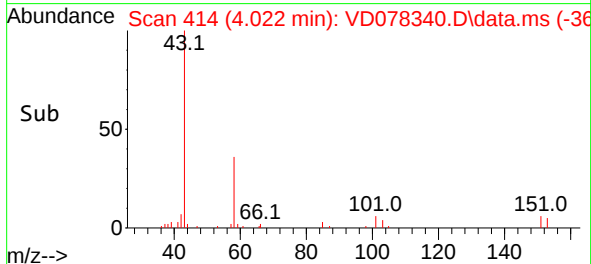
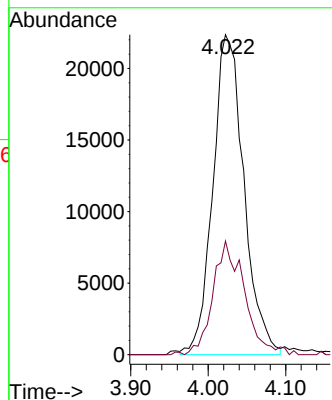
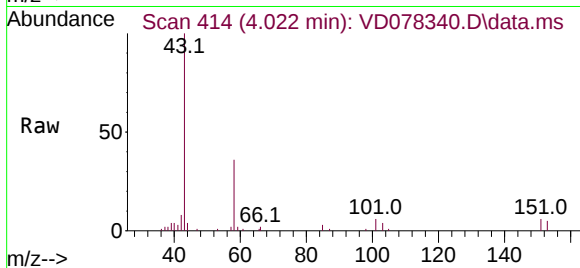
ClientSampleId :

Tgt Ion: 43 Resp: 62251

Ion Ratio Lower Upper

43 100

58 23.7 0.0 67.2



#14

Carbon disulfide

Concen: 24.323 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.006 min

Lab File: VD078340.D

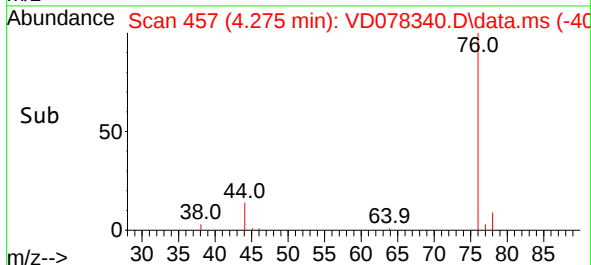
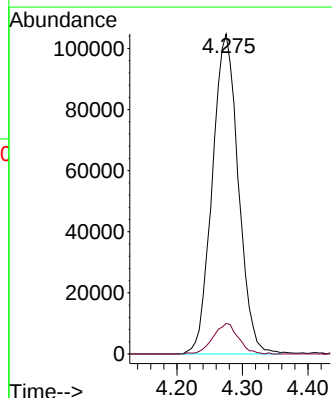
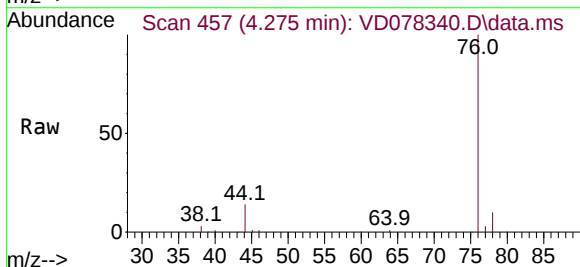
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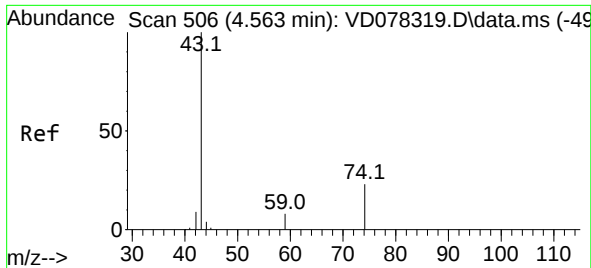
Tgt Ion: 76 Resp: 288734

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.8

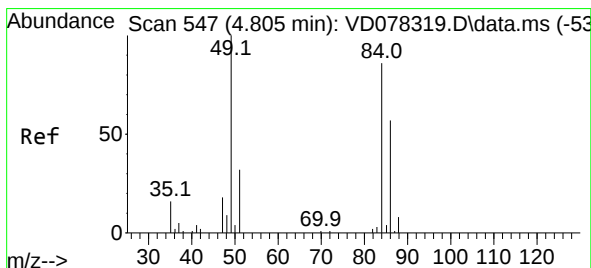
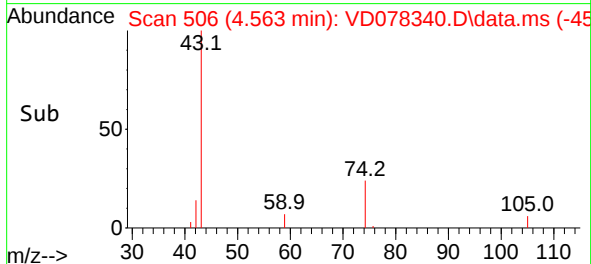
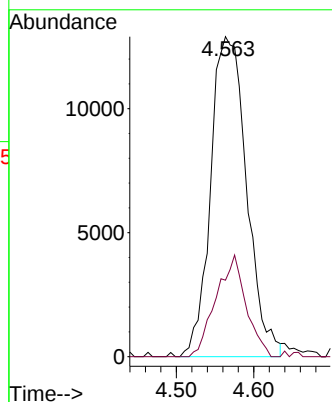
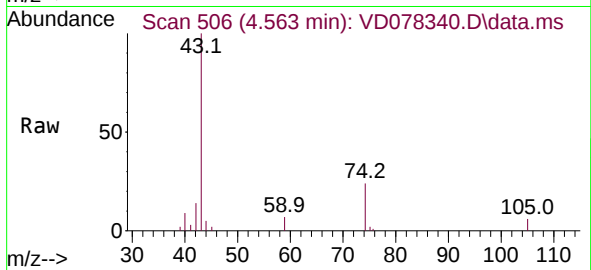




#15
Methyl Acetate
Concen: 22.834 ug/L
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

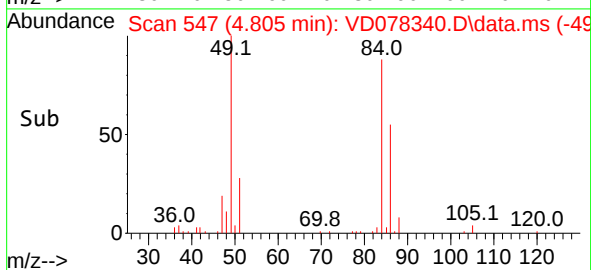
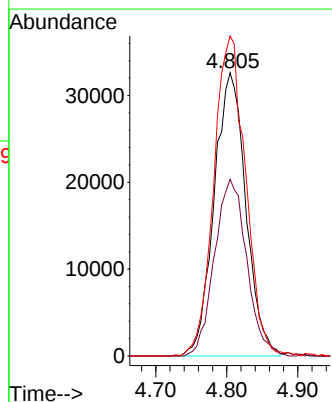
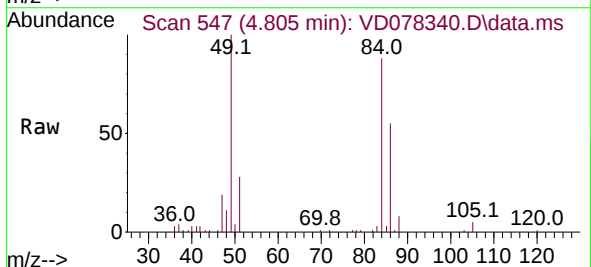
Instrument :
MSVOA_D
ClientSampleId :

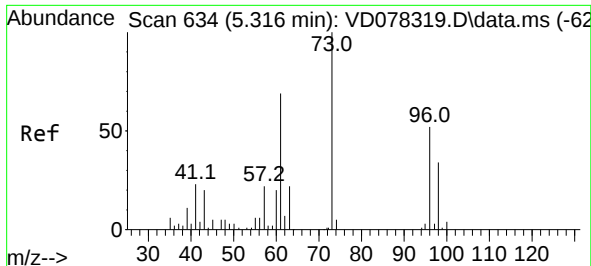
Tgt Ion: 43 Resp: 41636
Ion Ratio Lower Upper
43 100
74 26.6 12.7 19.1#



#16
Methylene chloride
Concen: 23.218 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 84 Resp: 101033
Ion Ratio Lower Upper
84 100
86 62.4 45.4 84.2
49 113.0 77.3 143.7





#17

trans-1,2-Dichloroethene

Concen: 26.667 ug/L

RT: 5.316 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

ClientSampleId :

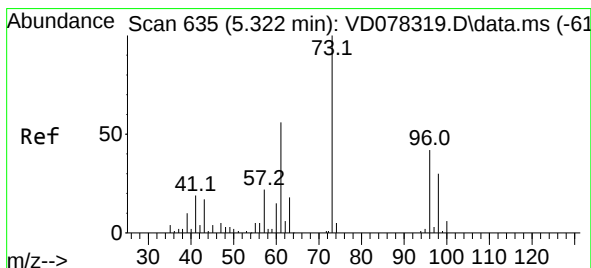
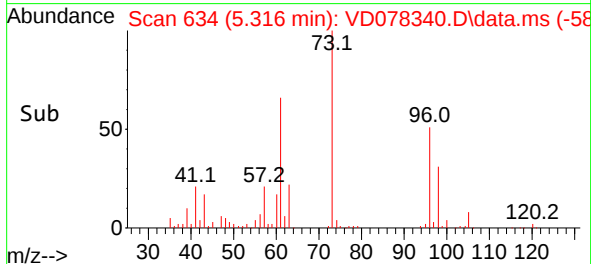
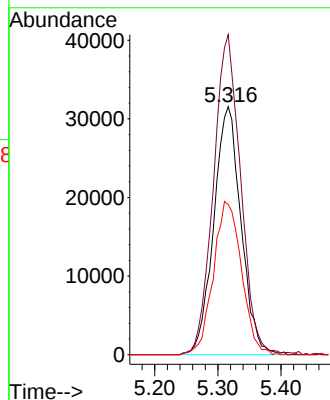
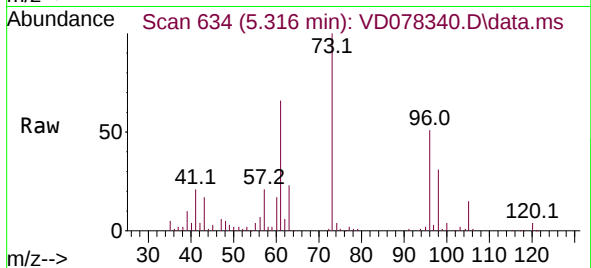
Tgt Ion: 96 Resp: 94638

Ion Ratio Lower Upper

96 100

61 129.0 82.7 153.7

98 60.6 40.7 75.7



#18

Methyl tert-butyl Ether

Concen: 26.724 ug/L

RT: 5.316 min Scan# 634

Delta R.T. -0.006 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

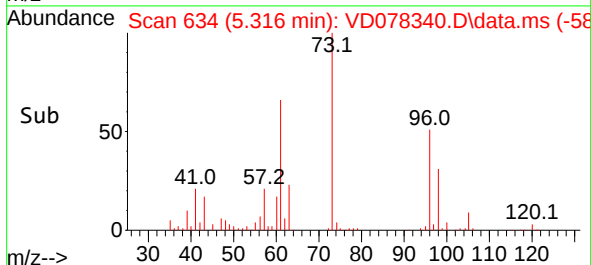
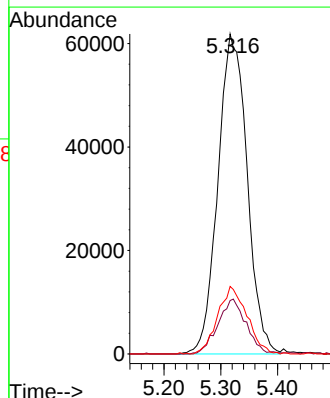
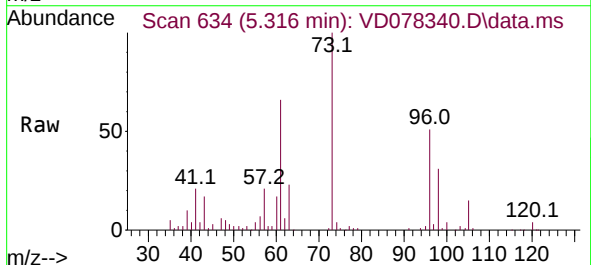
Tgt Ion: 73 Resp: 220590

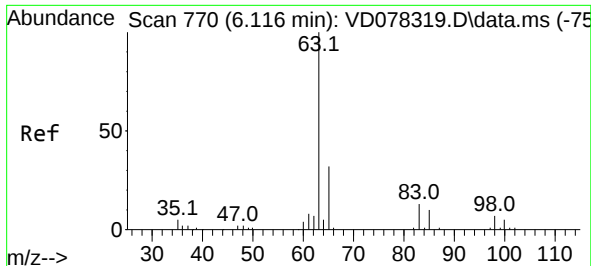
Ion Ratio Lower Upper

73 100

43 16.4 13.3 19.9

57 21.0 17.2 25.8

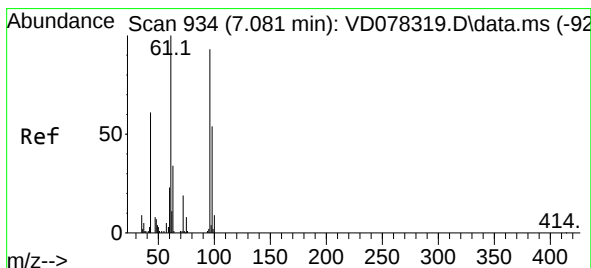
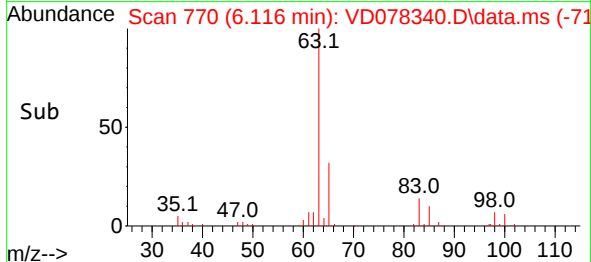
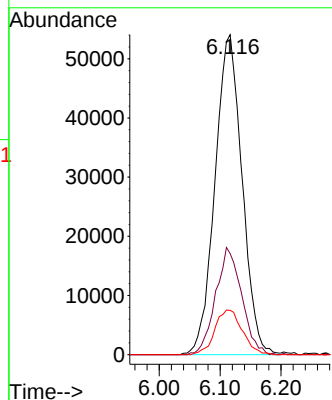
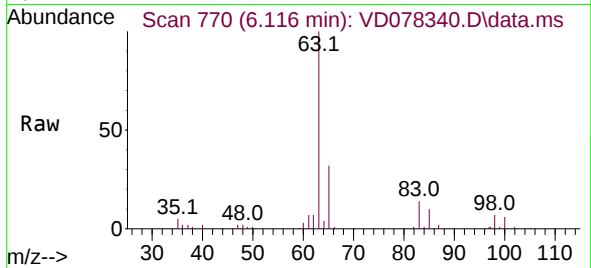




#19
1,1-Dichloroethane
Concen: 26.938 ug/L
RT: 6.116 min Scan# 770
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

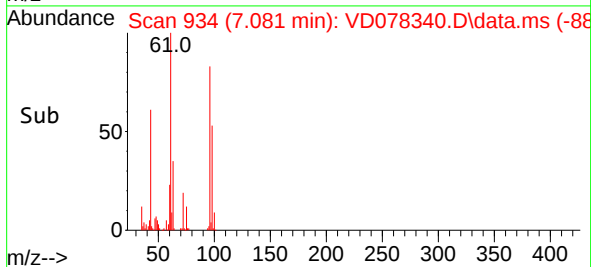
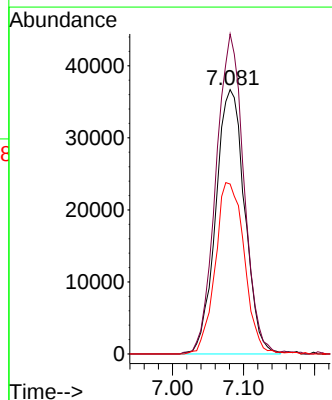
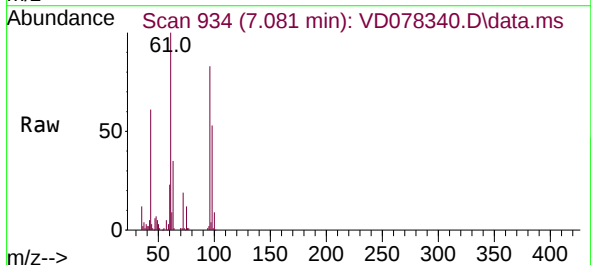
Instrument :
MSVOA_D
ClientSampleId :

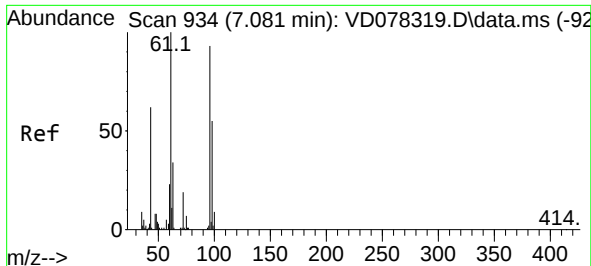
Tgt Ion: 63 Resp: 167290
Ion Ratio Lower Upper
63 100
65 31.6 21.8 40.4
83 13.9 10.1 18.9



#20
cis-1,2-Dichloroethene
Concen: 26.720 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 96 Resp: 103927
Ion Ratio Lower Upper
96 100
61 121.1 75.6 140.4
98 64.3 43.1 80.1

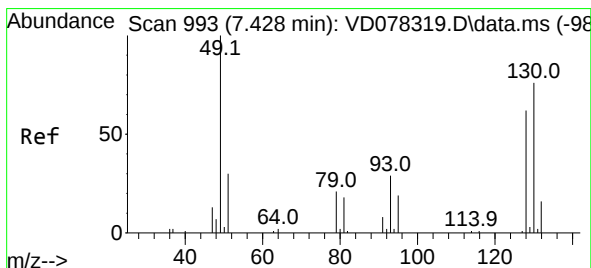
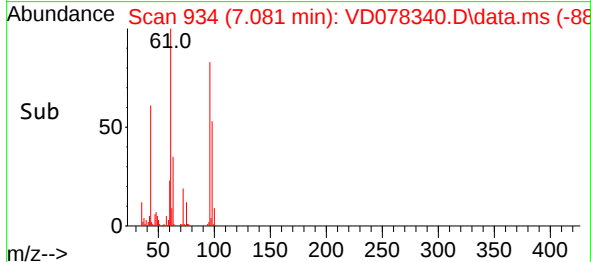
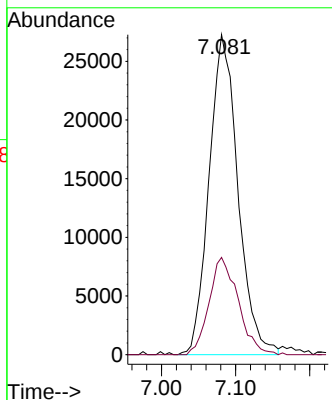
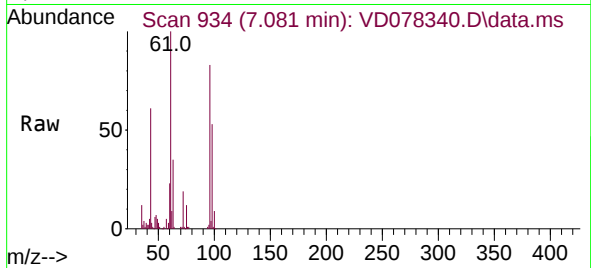




#22
2-Butanone
Concen: 50.070 ug/L
RT: 7.081 min Scan# 911
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

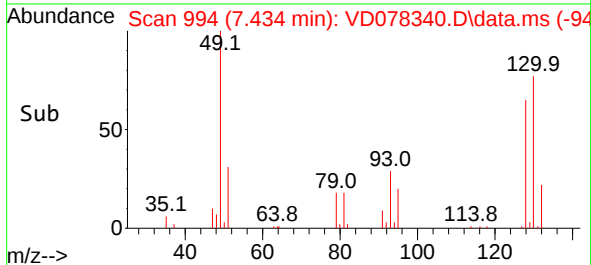
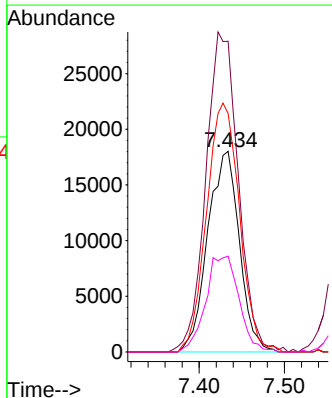
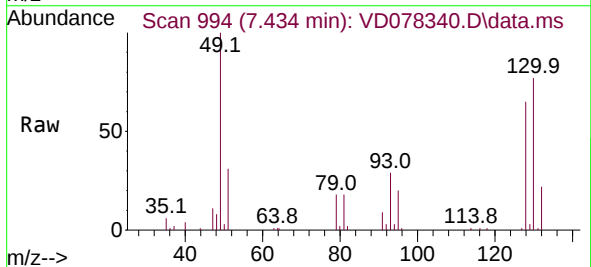
Instrument :
MSVOA_D
ClientSampleId :

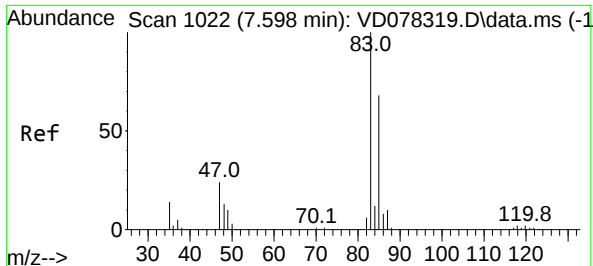
Tgt Ion: 43 Resp: 73776
Ion Ratio Lower Upper
43 100
72 30.7 15.4 46.2



#23
Bromochloromethane
Concen: 27.013 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 128 Resp: 46410
Ion Ratio Lower Upper
128 100
49 154.9 102.7 190.7
130 119.0 82.6 153.4
51 47.8 40.6 60.8





#25

Chloroform

Concen: 26.103 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

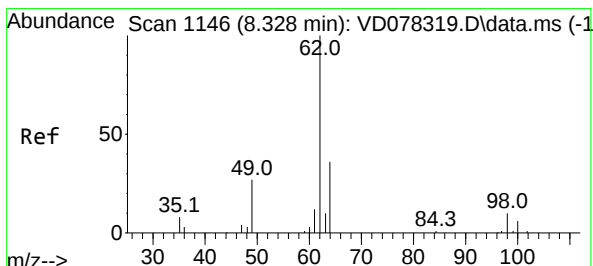
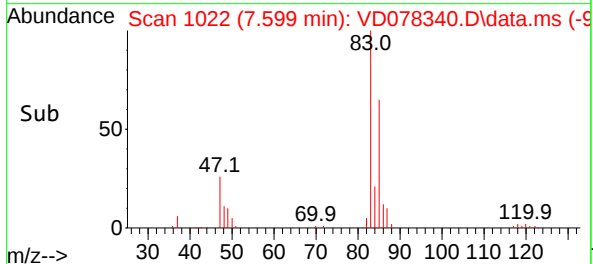
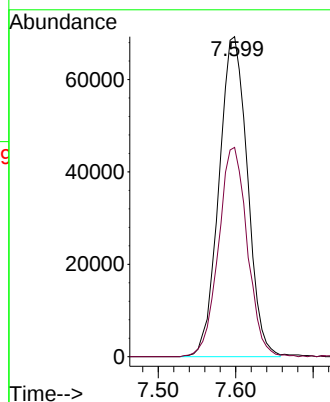
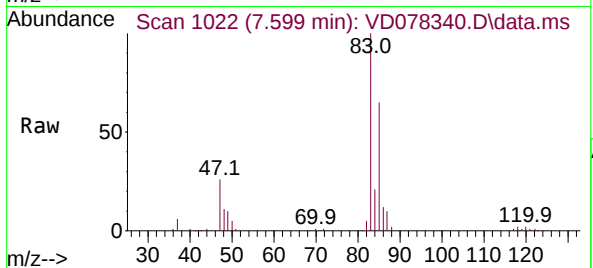
ClientSampleId :

Tgt Ion: 83 Resp: 176890

Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.3



#27

1,2-Dichloroethane

Concen: 25.784 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VD078340.D

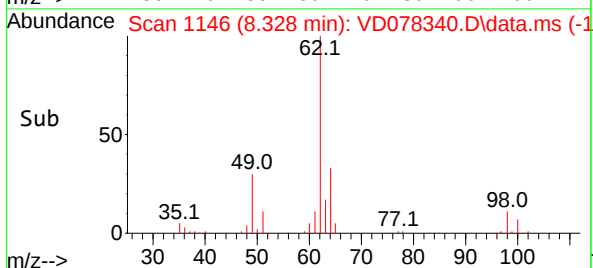
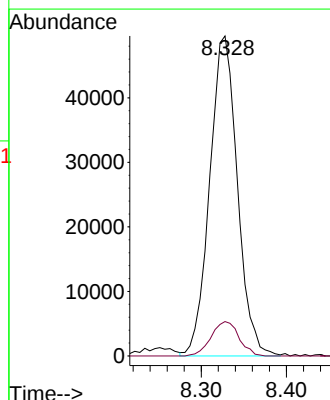
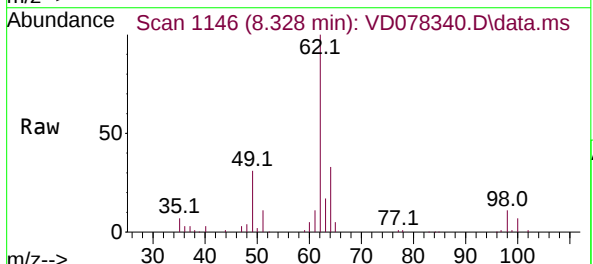
Acq: 05 Feb 2024 10:27

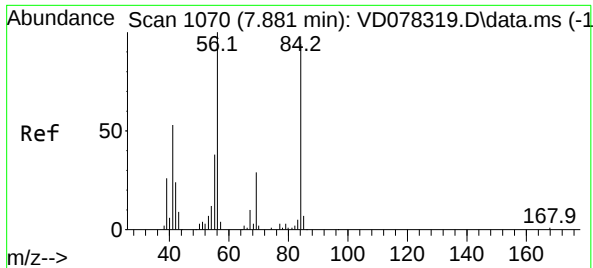
Tgt Ion: 62 Resp: 112212

Ion Ratio Lower Upper

62 100

98 10.7 9.5 14.3





#29

Cyclohexane

Concen: 26.018 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

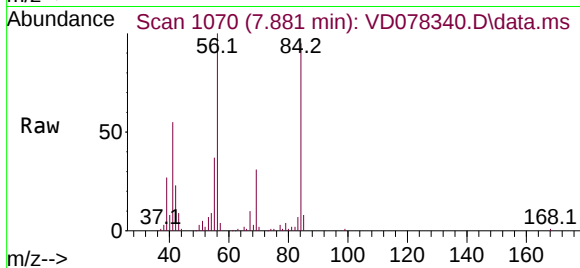
Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

ClientSampleId :



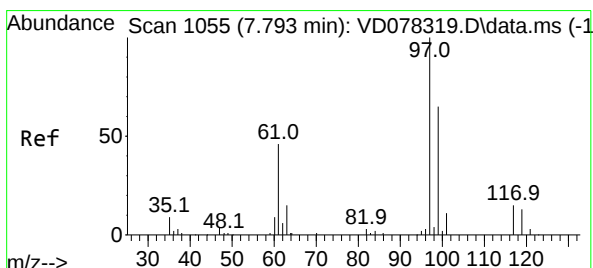
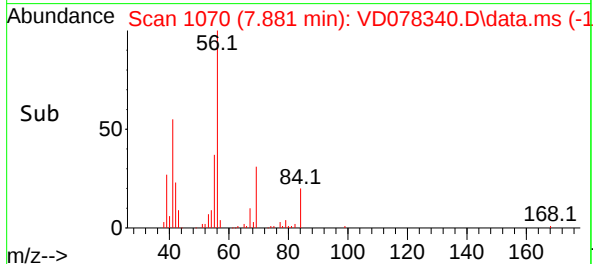
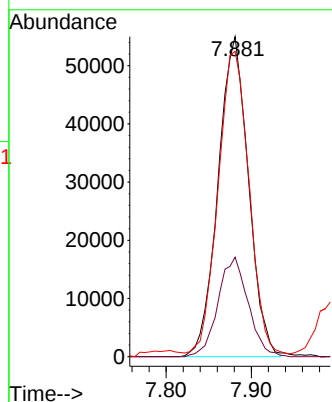
Tgt Ion: 56 Resp: 136106

Ion Ratio Lower Upper

56 100

69 30.8 23.3 34.9

84 98.5 74.7 112.1



#30

1,1,1-Trichloroethane

Concen: 25.999 ug/L

RT: 7.798 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

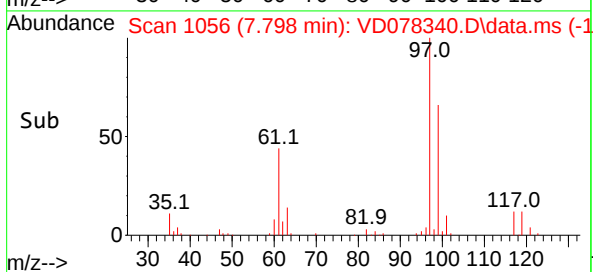
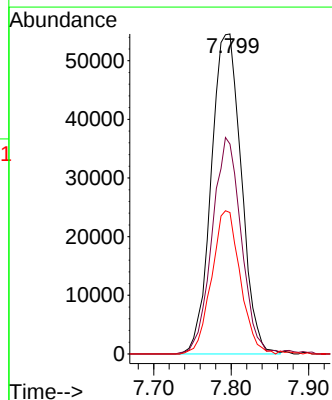
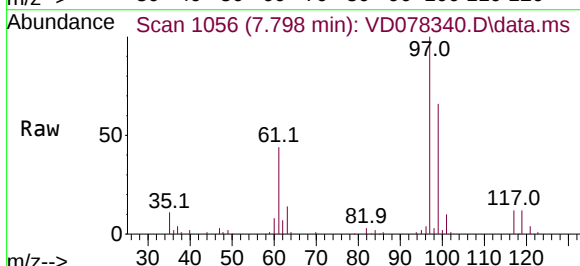
Tgt Ion: 97 Resp: 147483

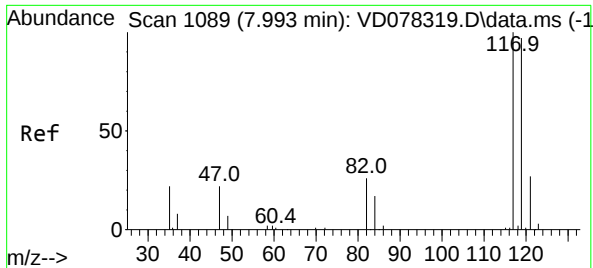
Ion Ratio Lower Upper

97 100

99 65.0 50.7 76.1

61 42.6 34.4 51.6

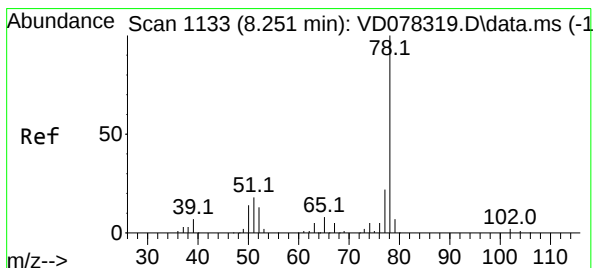
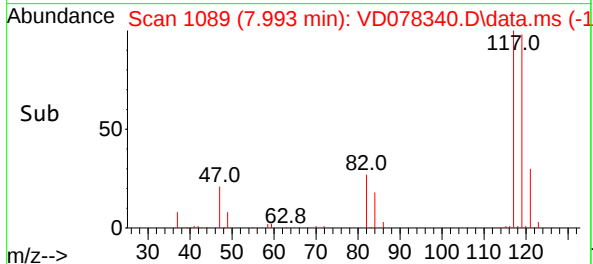
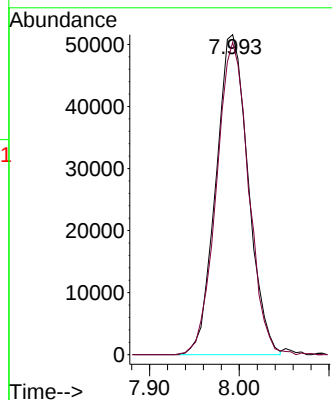
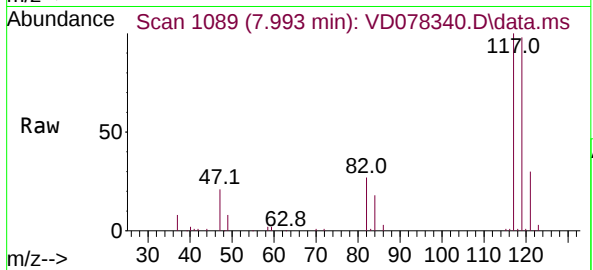




#31
Carbon tetrachloride
Concen: 25.800 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

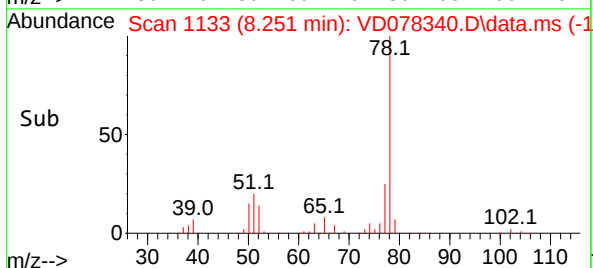
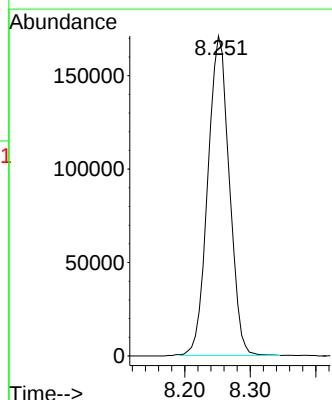
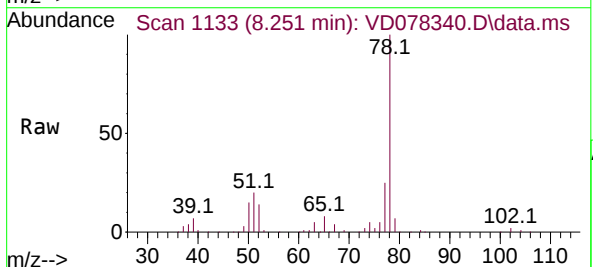
Instrument :
MSVOA_D
ClientSampleId :

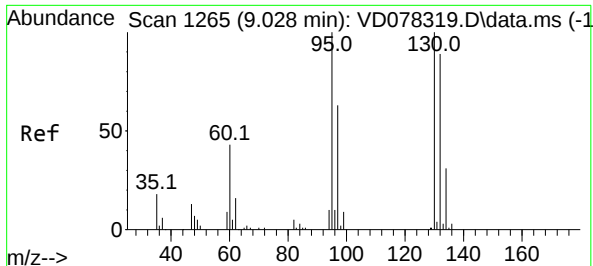
Tgt Ion:117 Resp: 128930
Ion Ratio Lower Upper
117 100
119 97.0 77.0 115.4



#33
Benzene
Concen: 24.917 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

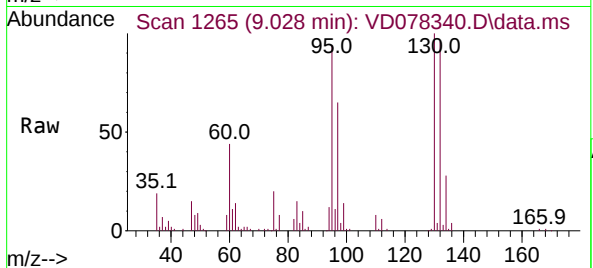
Tgt Ion: 78 Resp: 388558



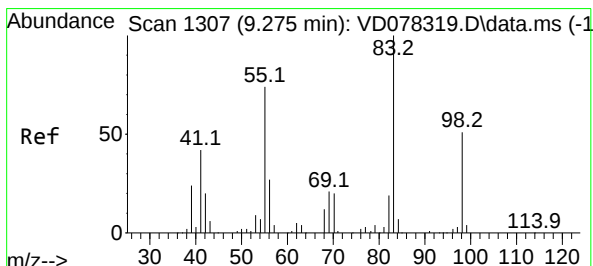
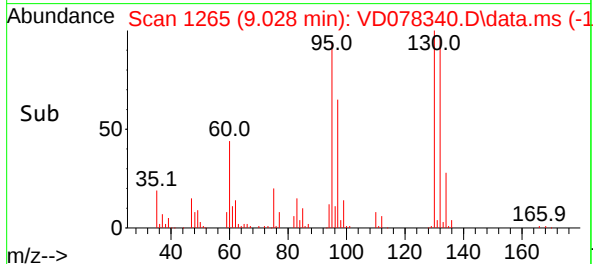
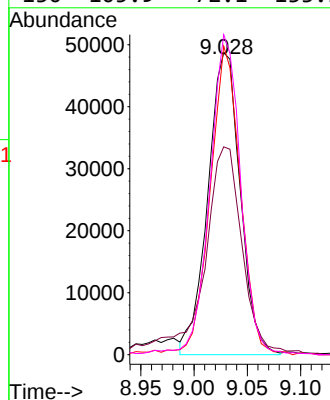


#34
Trichloroethene
Concen: 26.113 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Instrument :
MSVOA_D
ClientSampleId :

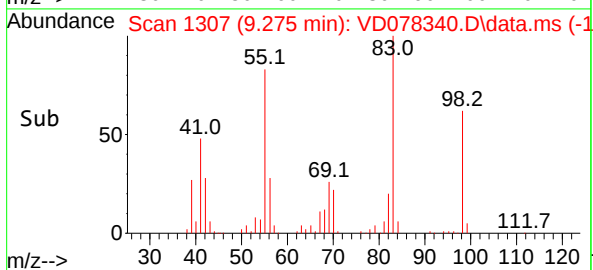
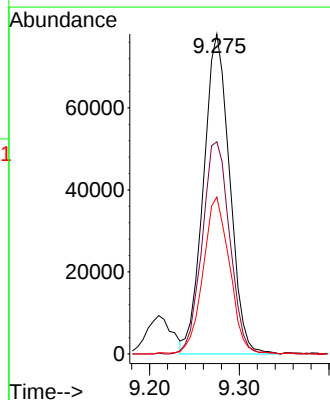
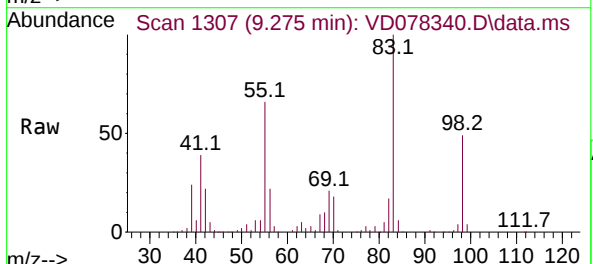


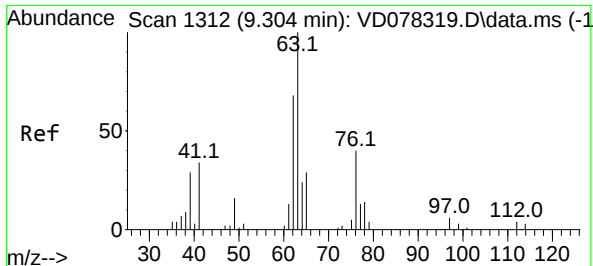
Tgt Ion: 95	Resp: 102846
Ion Ratio	Lower Upper
95 100	
97 68.8	46.9 87.1
132 102.1	73.7 136.9
130 105.9	72.1 133.9



#35
Methylcyclohexane
Concen: 25.649 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 83	Resp: 158073
Ion Ratio	Lower Upper
83 100	
55 69.7	56.2 84.4
98 49.5	41.2 61.8

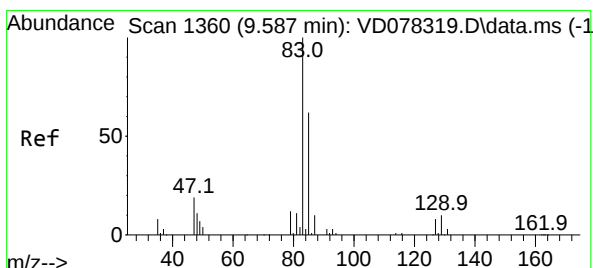
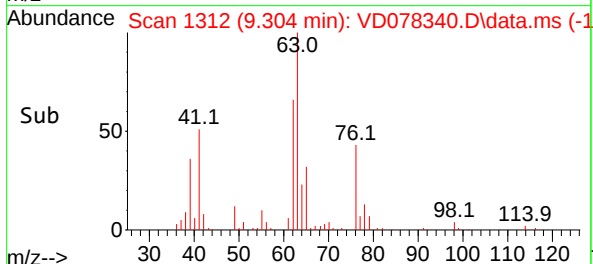
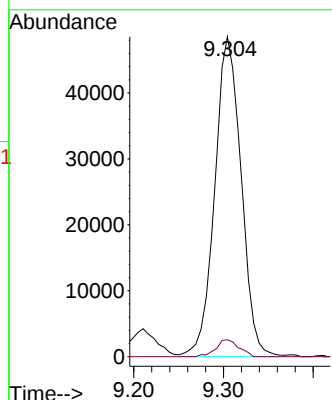
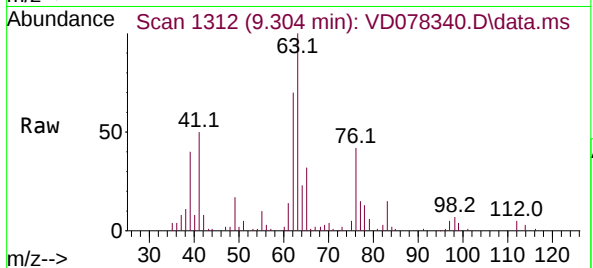




#37
1,2-Dichloropropane
Concen: 24.095 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

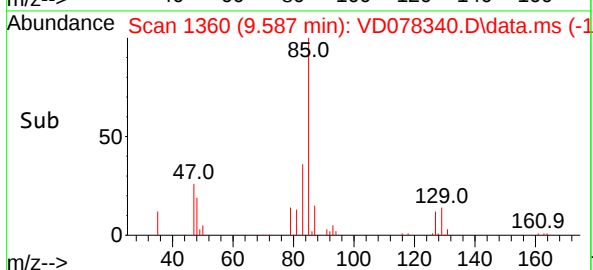
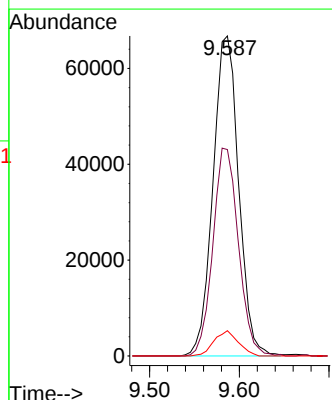
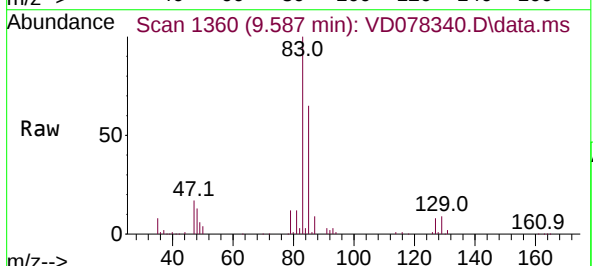
Instrument :
MSVOA_D
ClientSampleId :

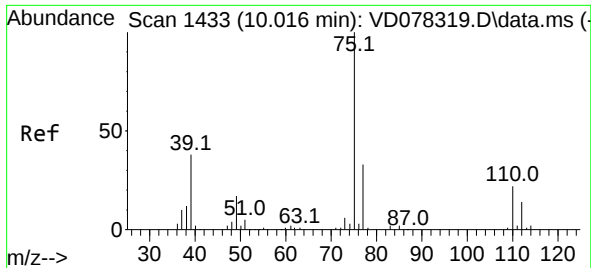
Tgt Ion: 63 Resp: 99009
Ion Ratio Lower Upper
63 100
112 4.6 3.4 5.2



#38
Bromodichloromethane
Concen: 24.744 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 83 Resp: 132658
Ion Ratio Lower Upper
83 100
85 64.5 46.6 86.6
127 7.9 8.1 12.1#

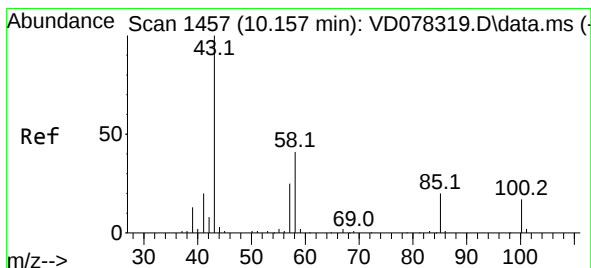
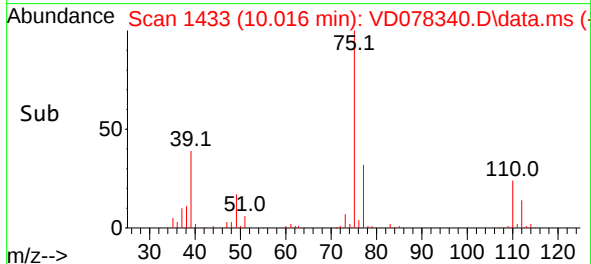
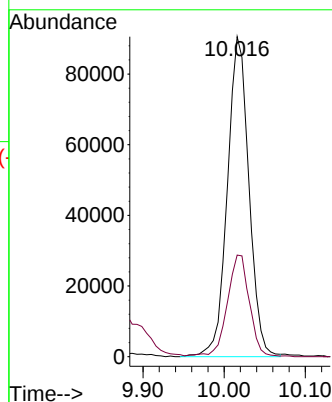
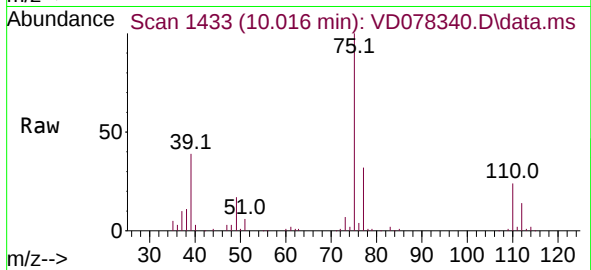




#39
cis-1,3-Dichloropropene
Concen: 26.150 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

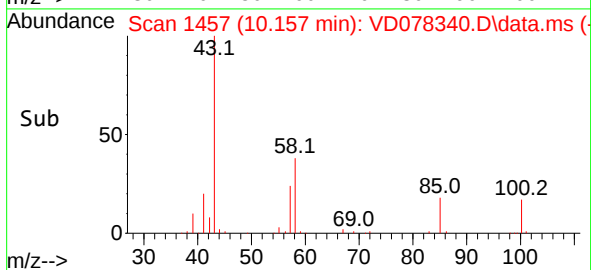
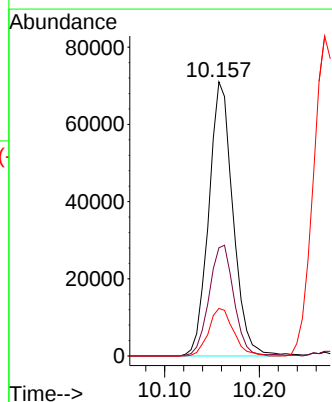
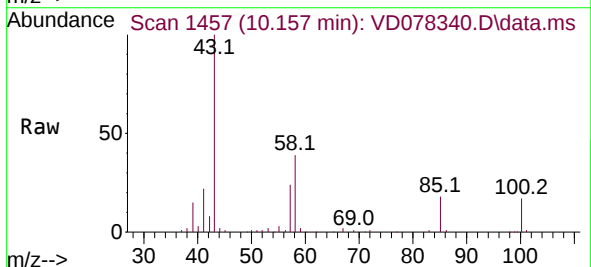
Instrument :
MSVOA_D
ClientSampleId :

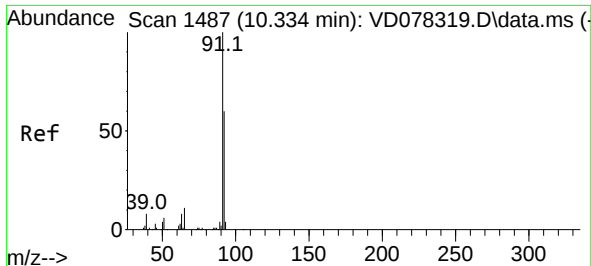
Tgt Ion: 75 Resp: 167258
Ion Ratio Lower Upper
75 100
77 31.7 22.3 41.5



#40
4-Methyl-2-pentanone
Concen: 49.480 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 43 Resp: 126273
Ion Ratio Lower Upper
43 100
58 41.2 34.0 51.0
100 17.7 13.2 19.8

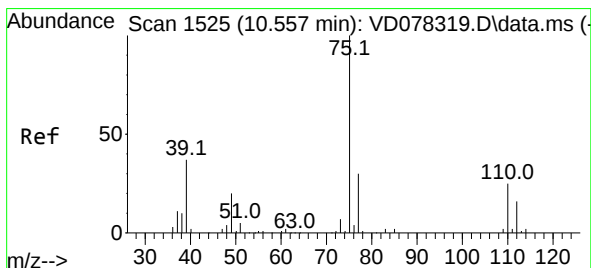
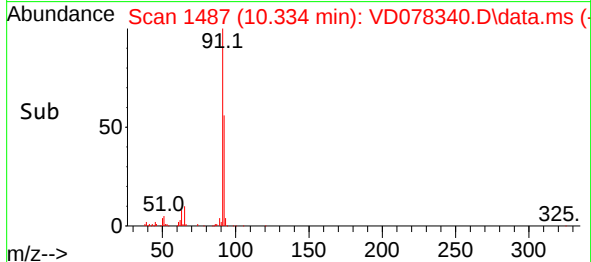
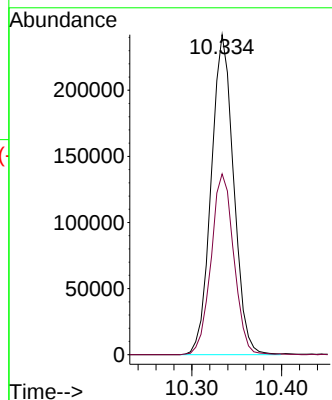
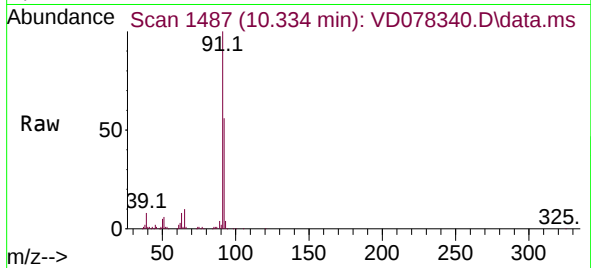




#42
Toluene
Concen: 25.917 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

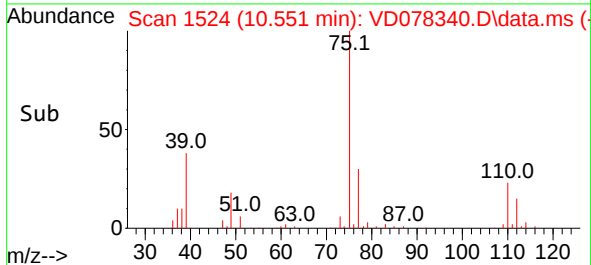
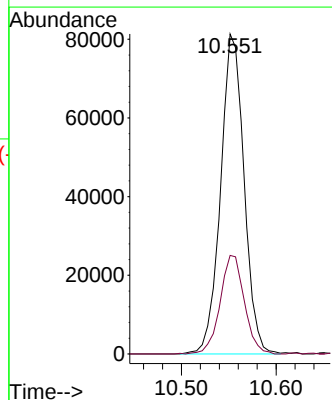
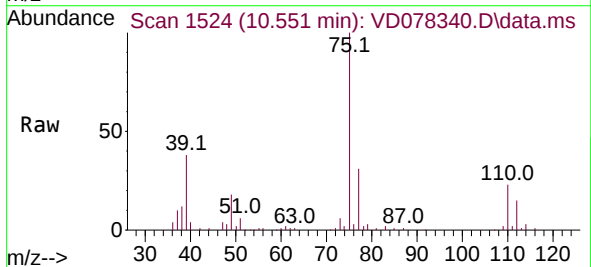
Instrument :
MSVOA_D
ClientSampleId :

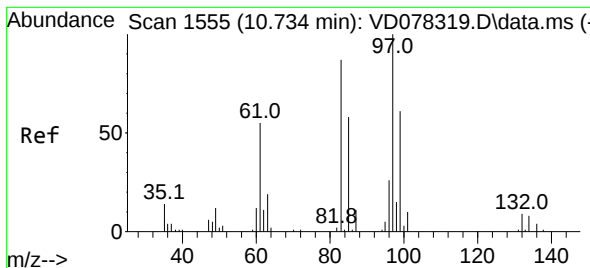
Tgt Ion: 91 Resp: 420489
Ion Ratio Lower Upper
91 100
92 56.5 39.5 73.4



#44
trans-1,3-Dichloropropene
Concen: 25.041 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. -0.006 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 75 Resp: 140129
Ion Ratio Lower Upper
75 100
77 30.8 20.7 38.5





#45

1,1,2-Trichloroethane

Concen: 24.620 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 80640

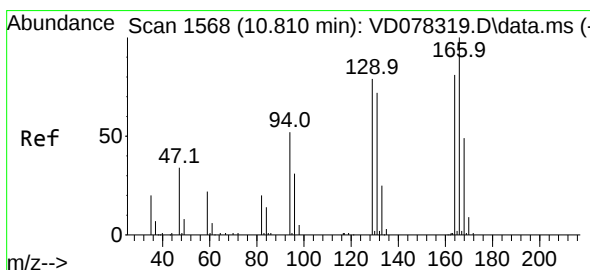
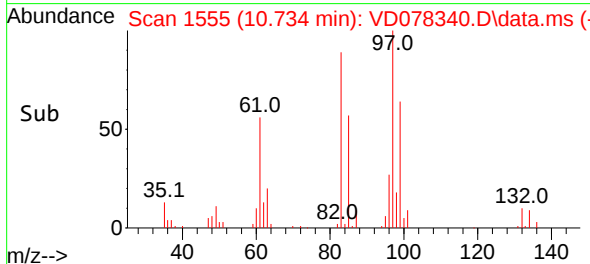
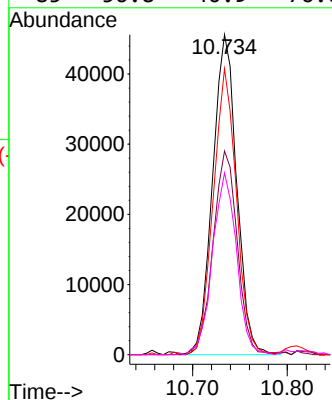
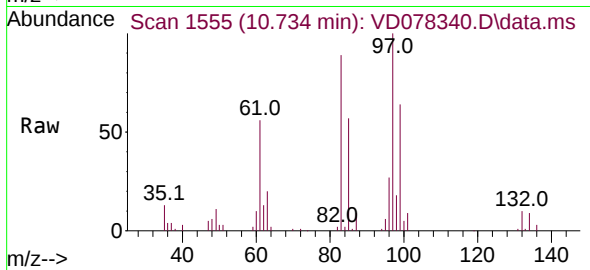
Ion Ratio Lower Upper

97 100

99 63.6 45.4 84.4

83 89.4 59.5 110.5

85 56.8 40.9 76.0



#46

Tetrachloroethene

Concen: 27.610 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Tgt Ion:164 Resp: 74668

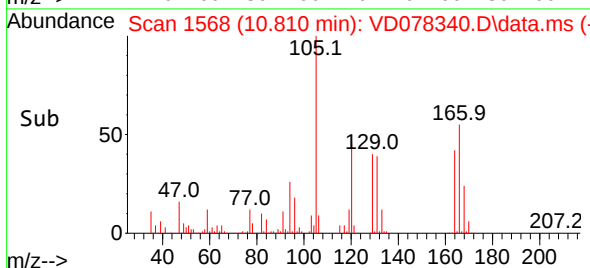
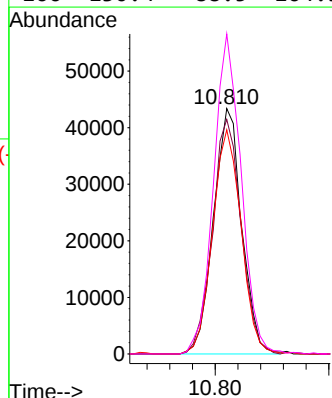
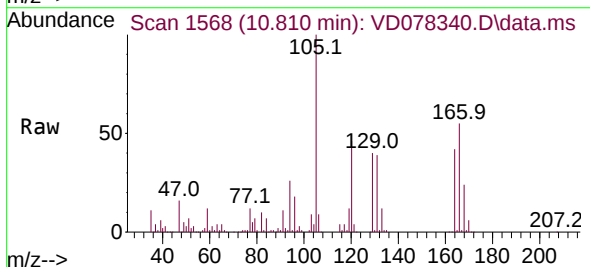
Ion Ratio Lower Upper

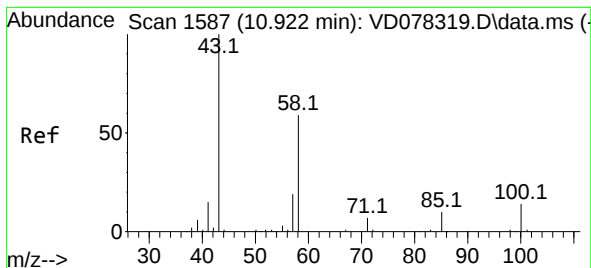
164 100

129 95.6 66.7 123.9

131 91.4 65.2 121.0

166 130.4 88.5 164.3





#48

2-Hexanone

Concen: 52.344 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43 Resp: 108960

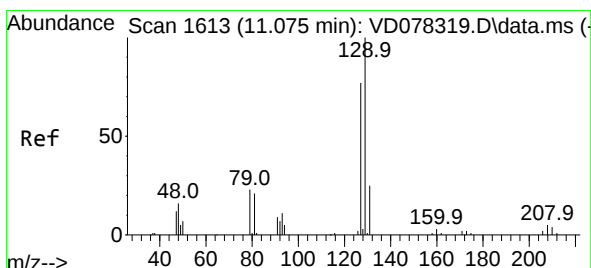
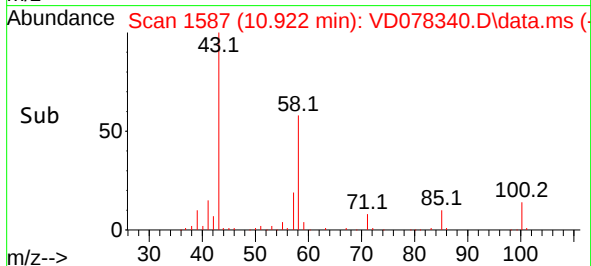
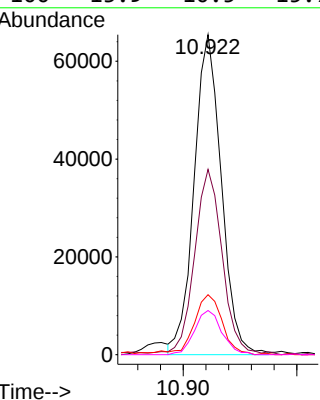
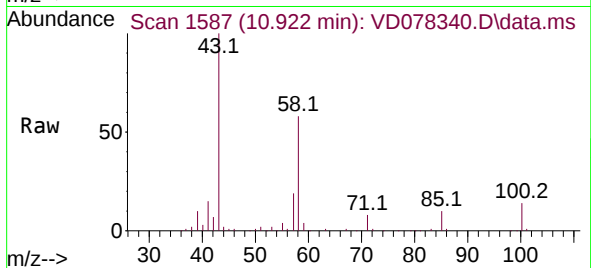
Ion Ratio Lower Upper

43 100

58 58.4 48.5 72.7

57 18.7 15.6 23.4

100 13.9 10.5 15.7



#49

Dibromochloromethane

Concen: 25.362 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD078340.D

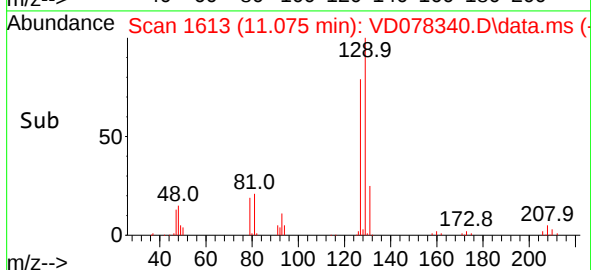
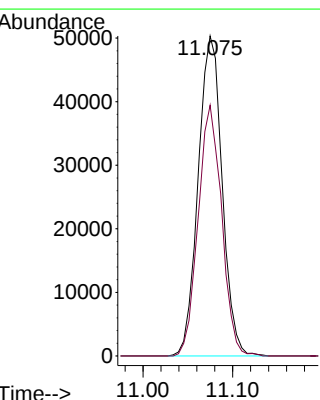
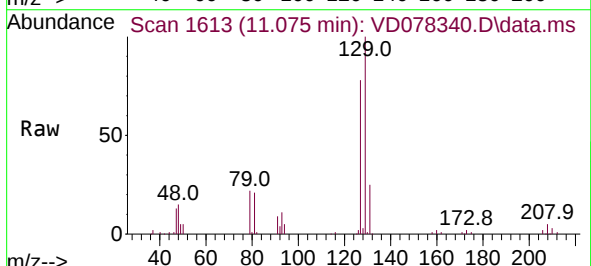
Acq: 05 Feb 2024 10:27

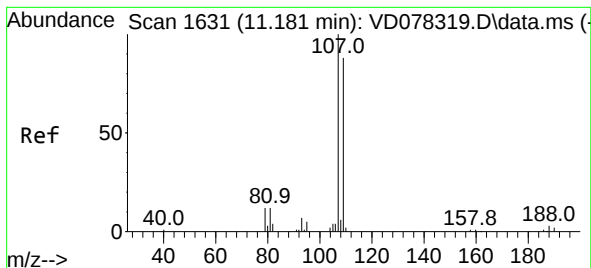
Tgt Ion:129 Resp: 93360

Ion Ratio Lower Upper

129 100

127 78.3 52.7 97.9





#50

1,2-Dibromoethane

Concen: 24.292 ug/L

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078340.D

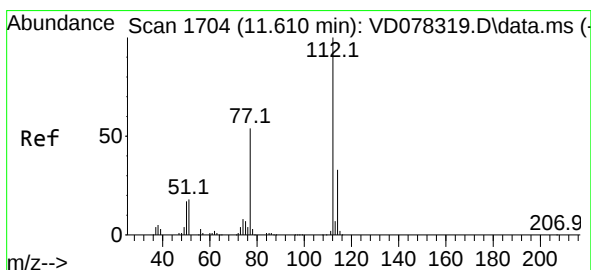
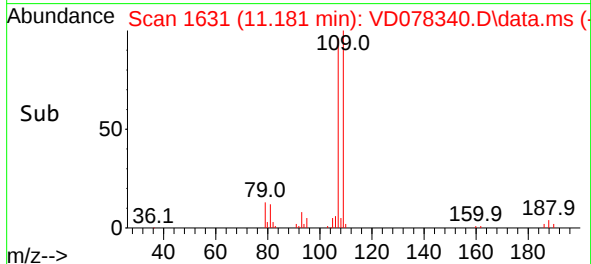
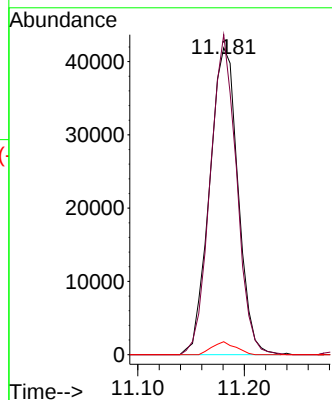
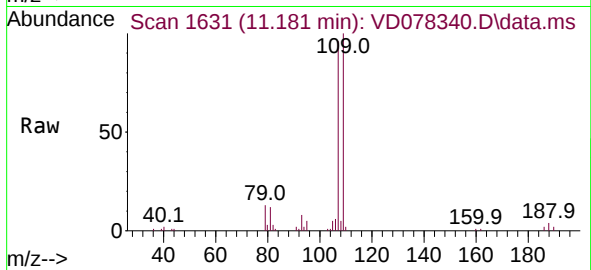
Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:107	Resp:	77613
Ion Ratio	Lower	Upper
107	100	
109	104.3	64.0 118.8
188	4.2	3.1 4.7



#51

Chlorobenzene

Concen: 26.206 ug/L

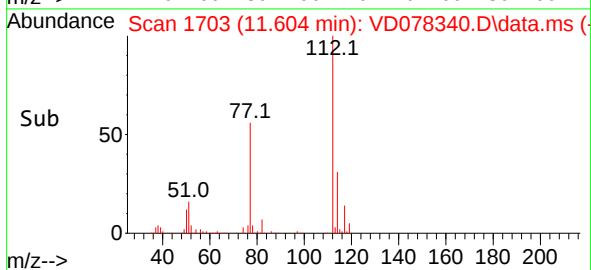
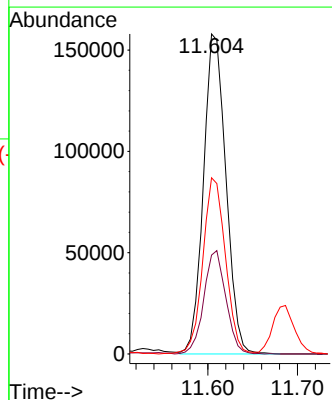
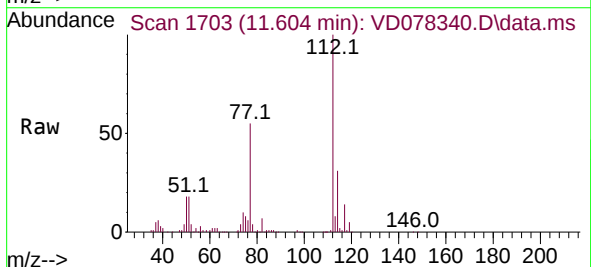
RT: 11.604 min Scan# 1703

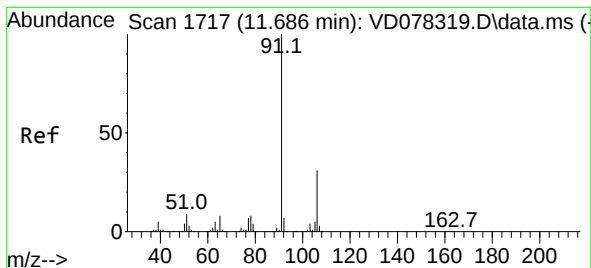
Delta R.T. -0.006 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Tgt Ion:112	Resp:	275292
Ion Ratio	Lower	Upper
112	100	
114	30.9	22.3 41.3
77	55.1	42.3 63.5





#52

Ethylbenzene

Concen: 26.626 ug/L

RT: 11.687 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

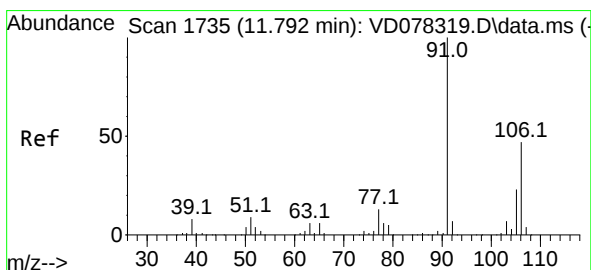
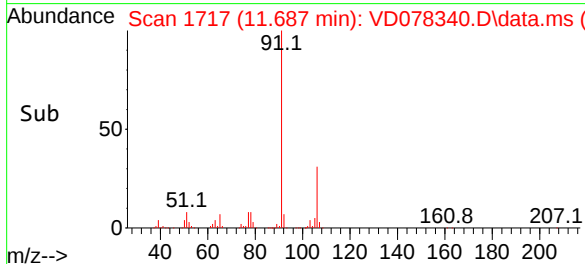
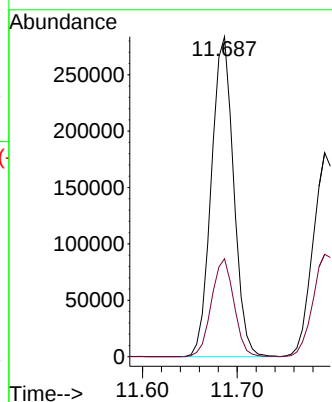
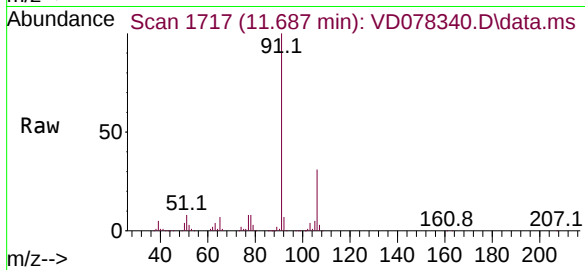
ClientSampleId :

Tgt Ion: 91 Resp: 464041

Ion Ratio Lower Upper

91 100

106 30.6 22.5 41.7



#53

m,p-Xylene

Concen: 26.013 ug/L

RT: 11.792 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD078340.D

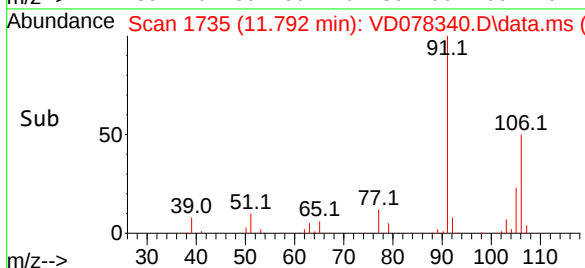
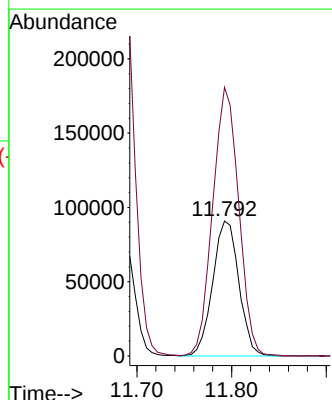
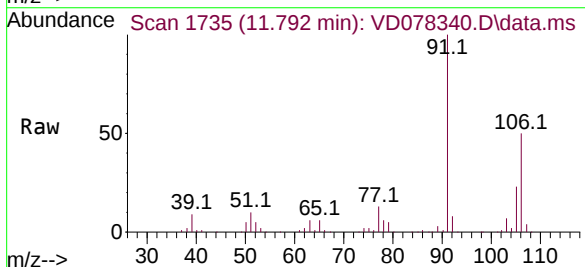
Acq: 05 Feb 2024 10:27

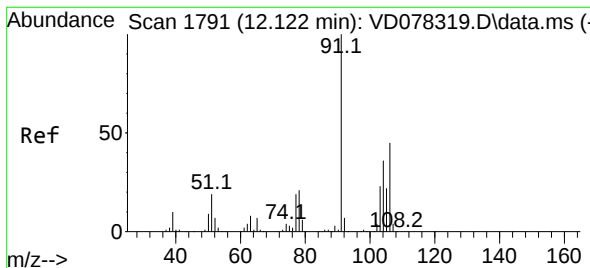
Tgt Ion:106 Resp: 174233

Ion Ratio Lower Upper

106 100

91 199.1 138.3 256.8





#54

o-Xylene

Concen: 27.005 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

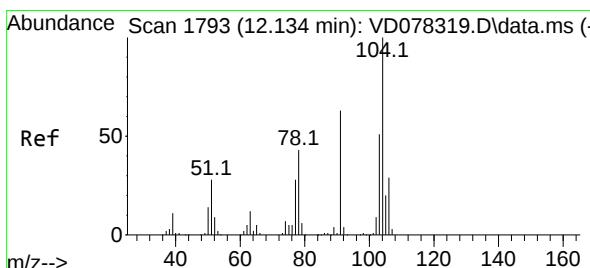
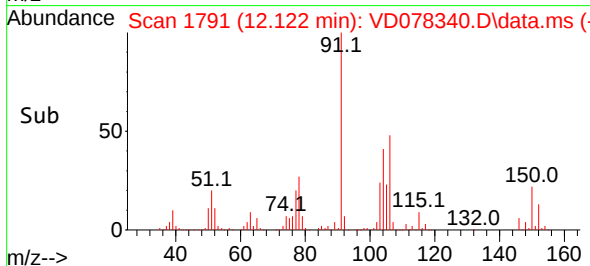
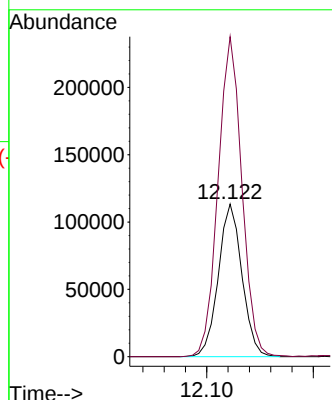
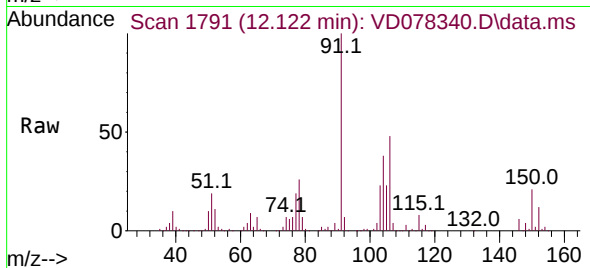
ClientSampleId :

Tgt Ion:106 Resp: 174428

Ion Ratio Lower Upper

106 100

91 209.5 148.0 274.8



#55

Styrene

Concen: 27.072 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD078340.D

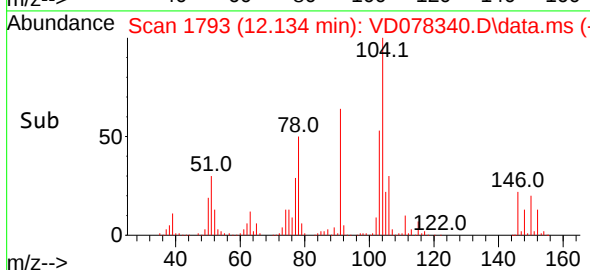
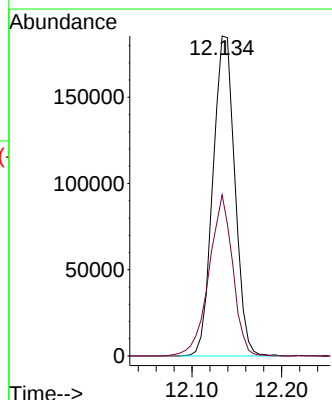
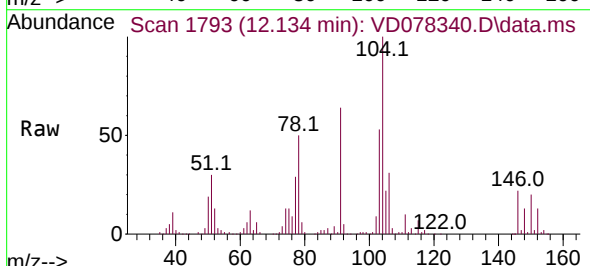
Acq: 05 Feb 2024 10:27

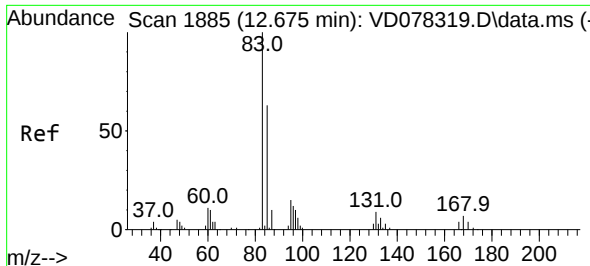
Tgt Ion:104 Resp: 315421

Ion Ratio Lower Upper

104 100

78 50.3 29.5 54.7

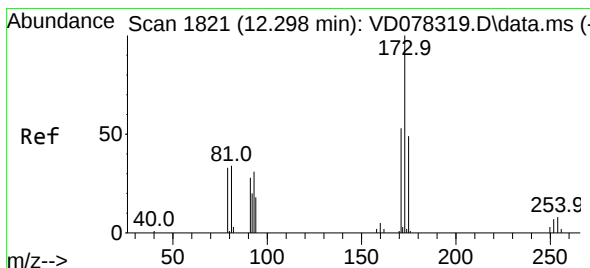
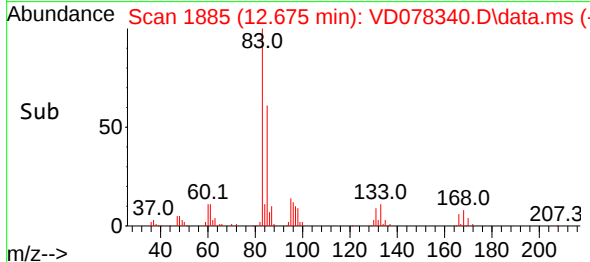
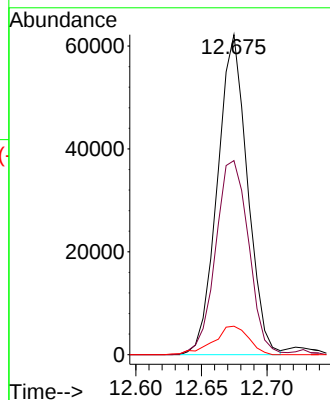
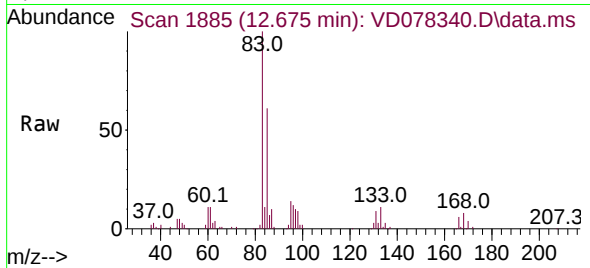




#57
1,1,2-Tetrachloroethane
Concen: 23.581 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

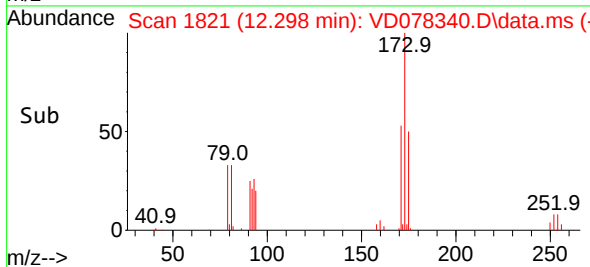
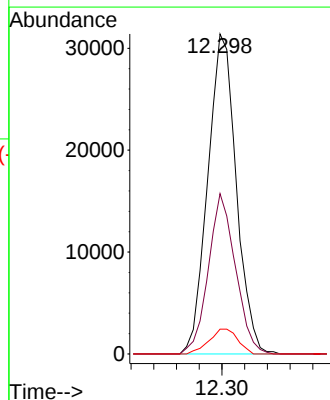
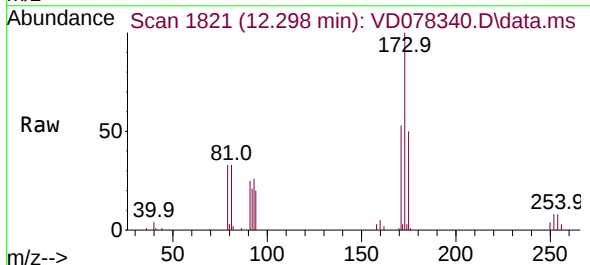
Instrument :
MSVOA_D
ClientSampleId :

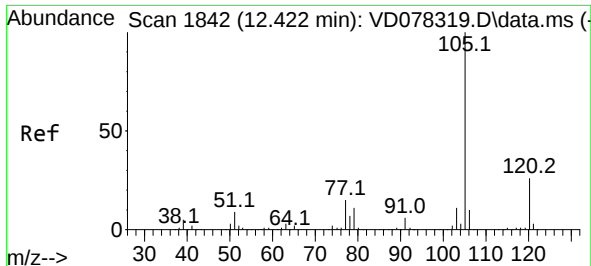
Tgt Ion: 83 Resp: 98958
Ion Ratio Lower Upper
83 100
85 60.6 42.6 79.0
131 8.9 6.0 9.0



#59
Bromoform
Concen: 26.507 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 173 Resp: 54673
Ion Ratio Lower Upper
173 100
175 47.6 40.2 60.4
254 7.8 6.6 9.8

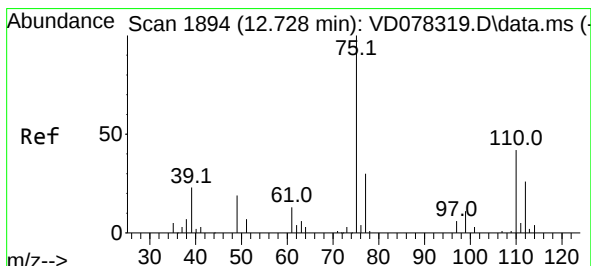
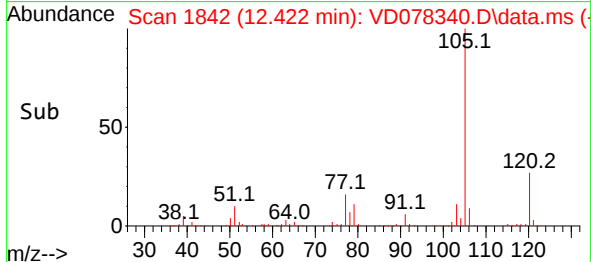
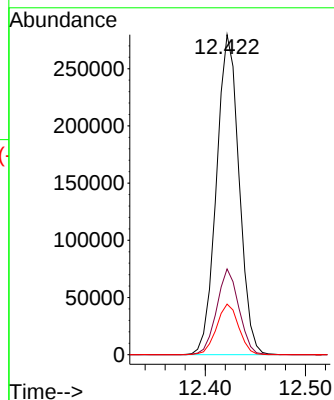
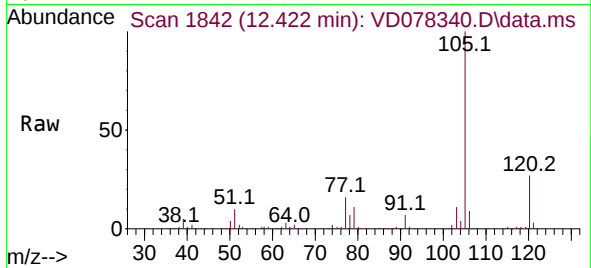




#60
Isopropylbenzene
Concen: 28.218 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

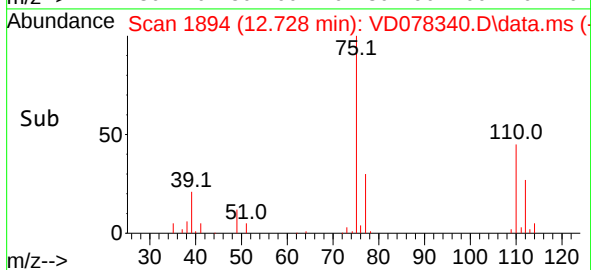
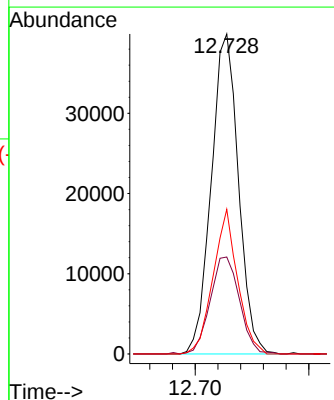
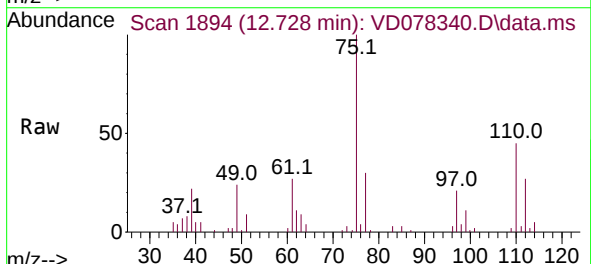
Instrument :
MSVOA_D
ClientSampleId :

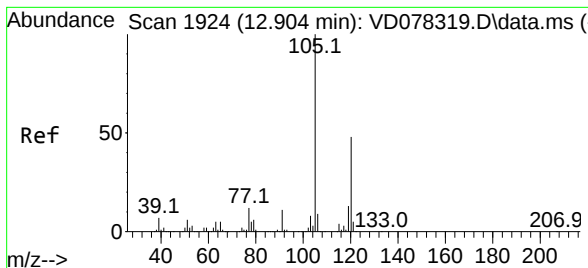
Tgt Ion:105 Resp: 438312
Ion Ratio Lower Upper
105 100
120 26.3 20.4 30.6
77 15.5 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 25.285 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 75 Resp: 66302
Ion Ratio Lower Upper
75 100
77 32.5 26.5 39.7
110 40.7 31.8 47.8

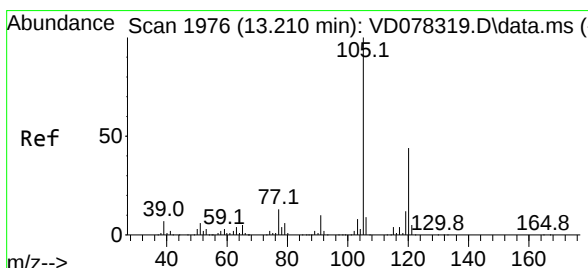
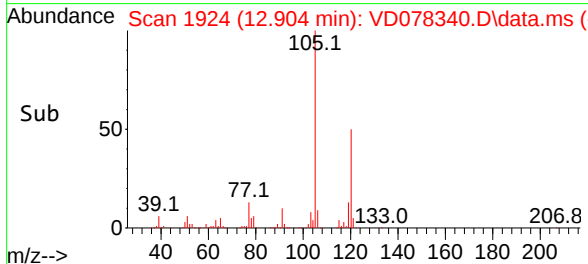
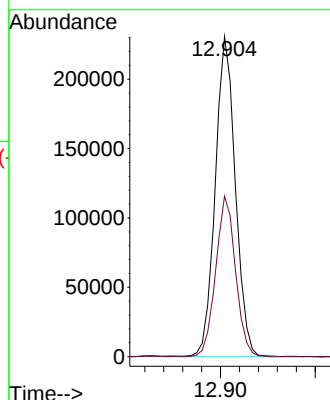
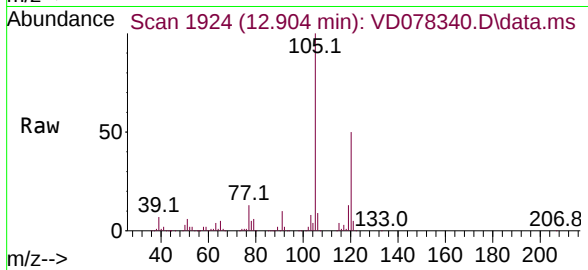




#62
 1,3,5-Trimethylbenzene
 Concen: 27.980 ug/L
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD078340.D
 Acq: 05 Feb 2024 10:27

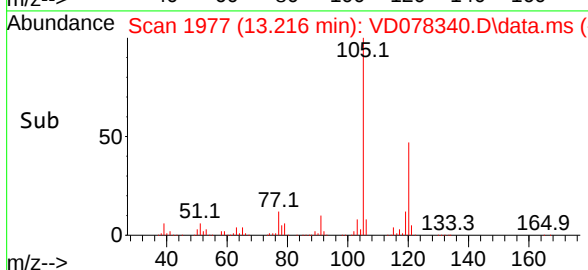
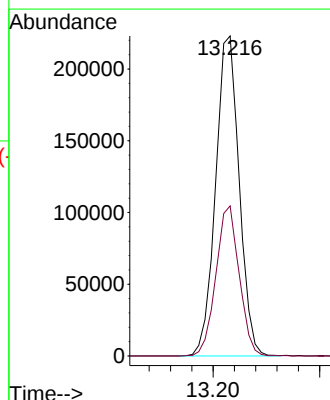
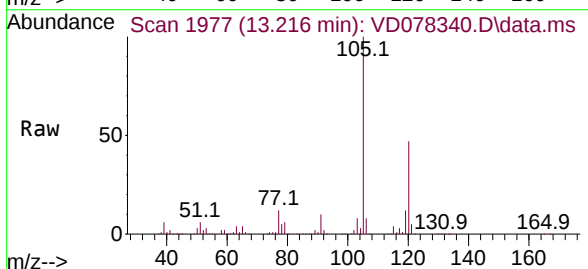
Instrument :
 MSVOA_D
 ClientSampleId :

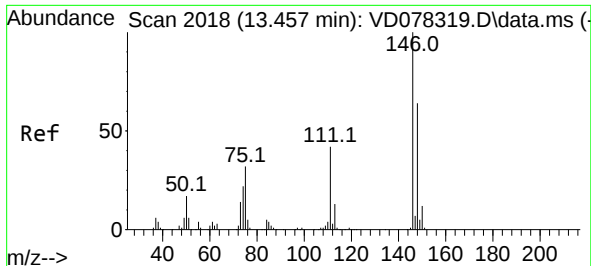
Tgt Ion:105 Resp: 339964
 Ion Ratio Lower Upper
 105 100
 120 49.4 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 28.409 ug/L
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VD078340.D
 Acq: 05 Feb 2024 10:27

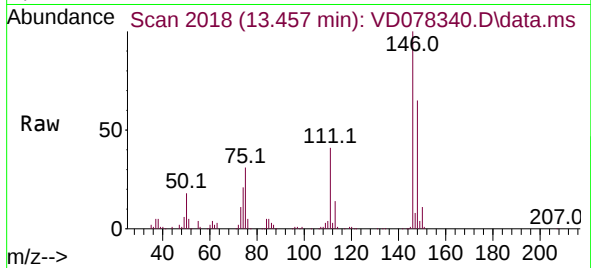
Tgt Ion:105 Resp: 341886
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.0 55.4



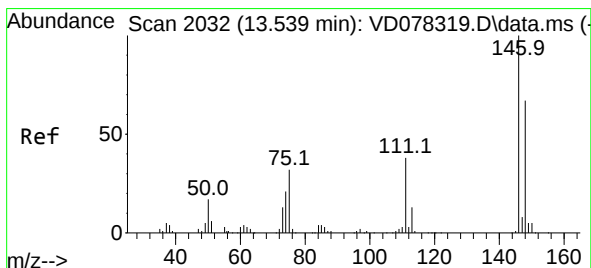
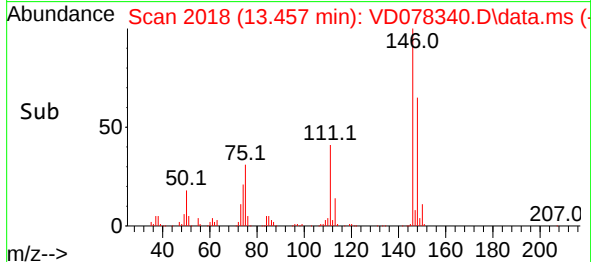
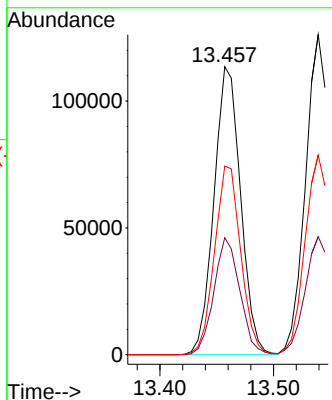


#64
1,3-Dichlorobenzene
Concen: 26.700 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Instrument :
MSVOA_D
ClientSampleId :

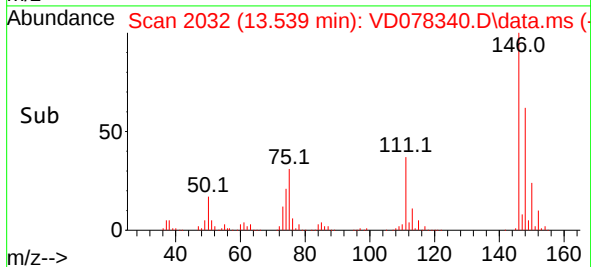
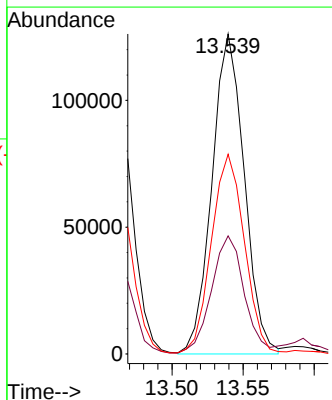
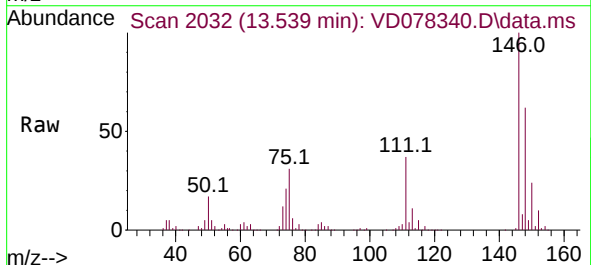


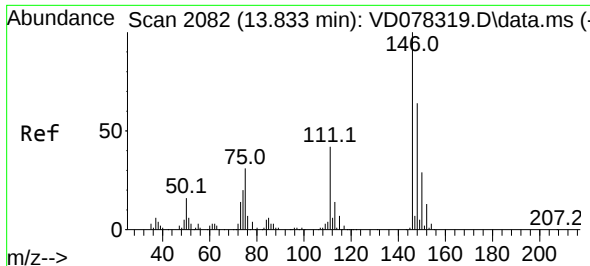
Tgt Ion:146 Resp: 185075
Ion Ratio Lower Upper
146 100
111 40.6 28.6 53.0
148 65.5 46.5 86.3



#65
1,4-Dichlorobenzene
Concen: 27.510 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion:146 Resp: 199632
Ion Ratio Lower Upper
146 100
111 36.9 26.4 49.0
148 62.4 44.5 82.7

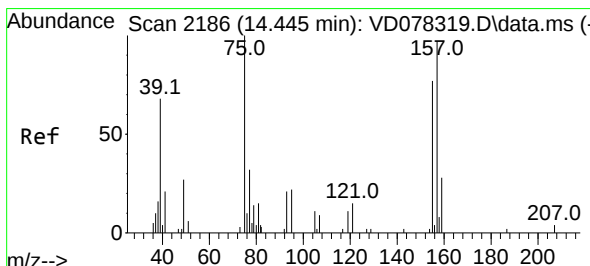
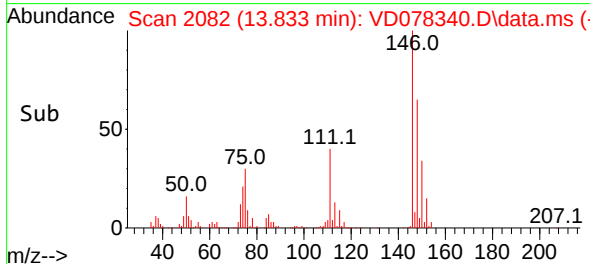
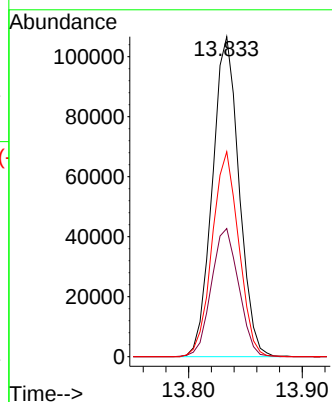
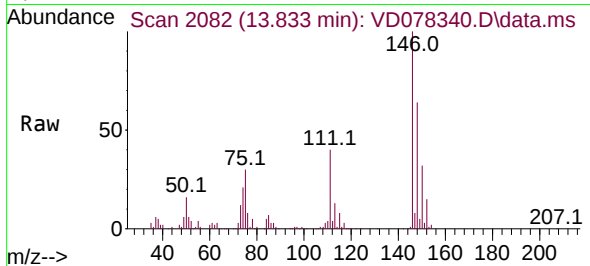




#67
1,2-Dichlorobenzene
Concen: 26.560 ug/L
RT: 13.833 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

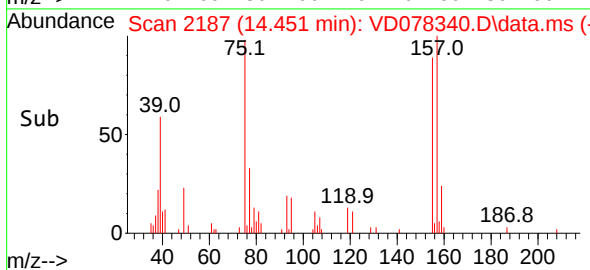
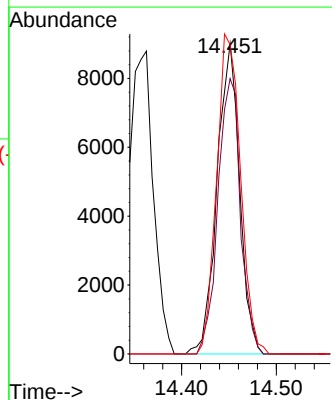
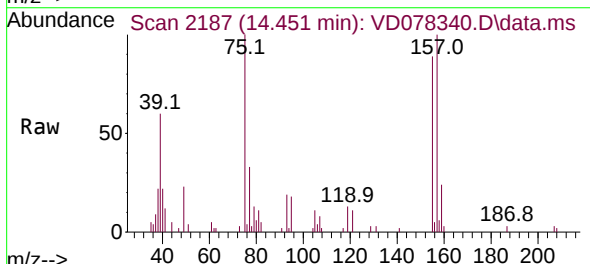
Instrument :
MSVOA_D
ClientSampleId :

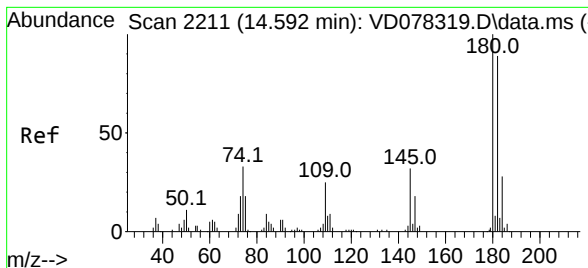
Tgt Ion:146 Resp: 174142
Ion Ratio Lower Upper
146 100
111 40.0 33.6 50.4
148 64.0 48.4 72.6



#68
1,2-Dibromo-3-chloropropane
Concen: 25.639 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD078340.D
Acq: 05 Feb 2024 10:27

Tgt Ion: 75 Resp: 14896
Ion Ratio Lower Upper
75 100
155 88.7 61.6 92.4
157 99.7 78.1 117.1





#69

1,3,5-Trichlorobenzene

Concen: 27.467 ug/L

RT: 14.598 min Scan# 21

Delta R.T. 0.006 min

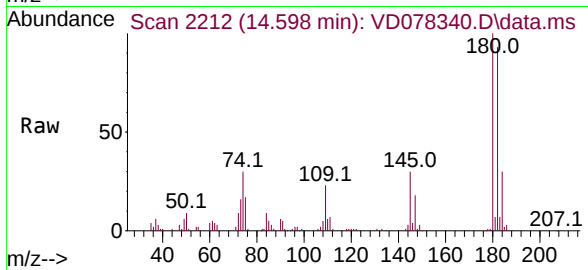
Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 117300

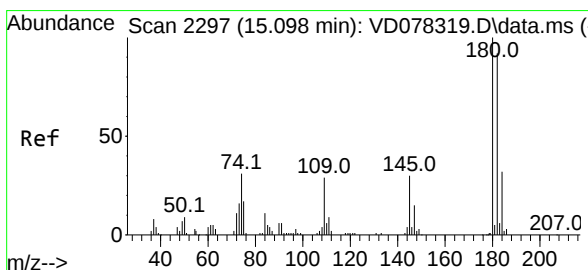
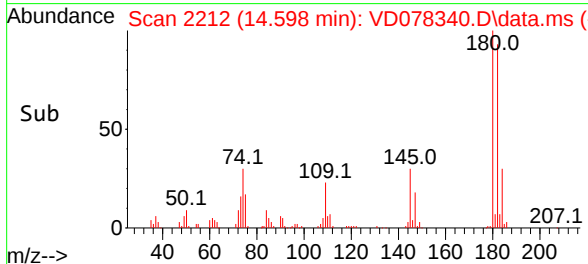
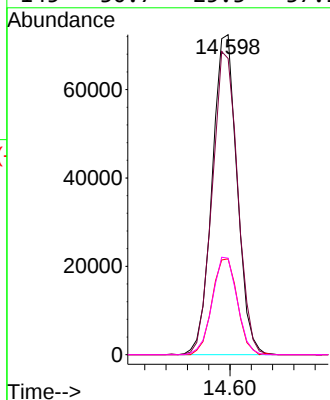
Ion Ratio Lower Upper

180 100

182 96.5 75.6 113.4

184 30.3 23.2 34.8

145 30.7 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 28.106 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

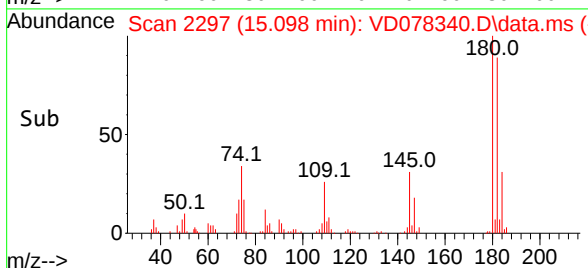
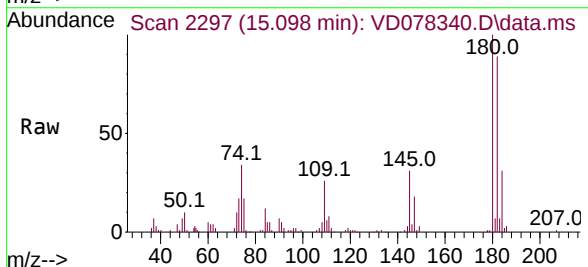
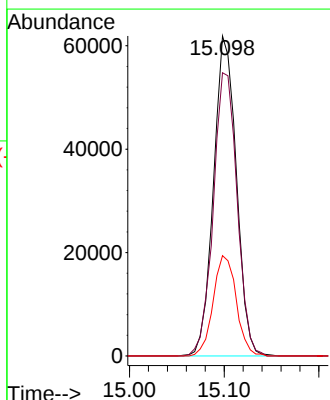
Tgt Ion:180 Resp: 103745

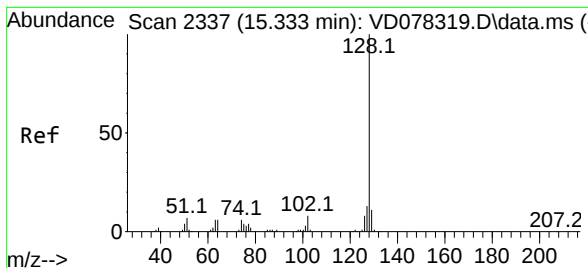
Ion Ratio Lower Upper

180 100

182 92.3 76.2 114.4

145 31.7 25.0 37.6





#71

Naphthalene

Concen: 26.381 ug/L

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Instrument :

MSVOA_D

ClientSampleId :

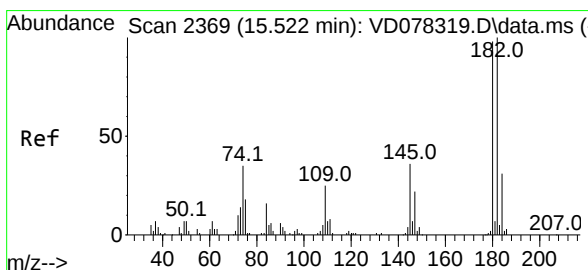
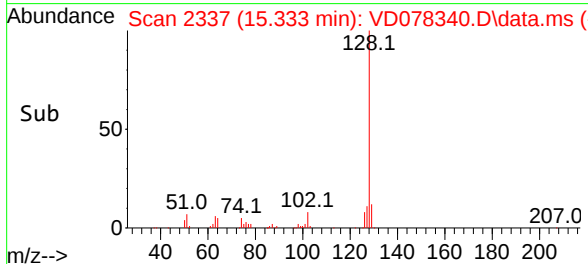
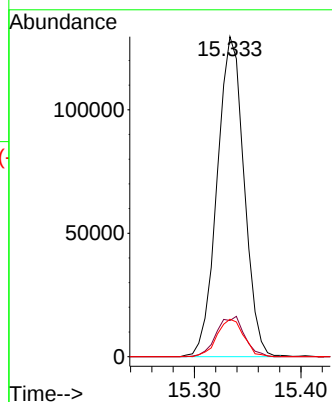
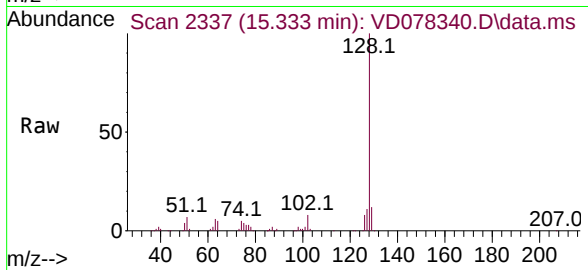
Tgt Ion:128 Resp: 227976

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.4

129 11.6 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 26.911 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD078340.D

Acq: 05 Feb 2024 10:27

Tgt Ion:180 Resp: 92730

Ion Ratio Lower Upper

180 100

182 92.8 75.4 113.0

145 31.3 26.8 40.2

