

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020124\
 Data File : VD078295.D
 Acq On : 31 Jan 2024 17:13
 Operator : RP/MD
 Sample : VSTD005
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 01 03:59:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 01 03:57:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	211280	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	201450	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	88143	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	30288	5.080	ug/L	0.00
7) Chloroethane-d5	2.799	69	26578	5.561	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.922	65	6176	4.103	ug/L	0.00
21) 2-Butanone-d5	6.993	46	7814	10.131	ug/L	0.00
24) Chloroform-d	7.563	84	29098	4.962	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.240	65	16520	5.529	ug/L	0.00
32) Benzene-d6	8.204	84	59531	4.840	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.210	67	18676	4.991	ug/L	0.00
41) Toluene-d8	10.269	98	51720	4.593	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.522	79	8260	4.937	ug/L	0.00
47) 2-Hexanone-d5	10.881	63	6599	9.656	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.651	84	17346	6.032	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.816	152	14807	4.615	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	18942	5.278	ug/L	96
3) Chloromethane	2.152	50	28137	5.440	ug/L	99
5) Vinyl chloride	2.281	62	33474	5.240	ug/L	97
6) Bromomethane	2.687	94	13248	4.035	ug/L	91
8) Chloroethane	2.840	64	21558	5.376	ug/L	88
9) Trichlorofluoromethane	3.175	101	23448	4.410	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	15269	4.871	ug/L	93
12) 1,1-Dichloroethene	3.940	96	13214	4.464	ug/L	87
13) Acetone	4.022	43	8323	8.184	ug/L	77
14) Carbon disulfide	4.263	76	52723	5.016	ug/L #	92
15) Methyl Acetate	4.558	43	3507	2.438	ug/L	95
16) Methylene chloride	4.799	84	10776	2.759	ug/L	93
17) trans-1,2-Dichloroethene	5.316	96	15204	4.855	ug/L	83
18) Methyl tert-butyl Ether	5.322	73	20122	2.877	ug/L #	74
19) 1,1-Dichloroethane	6.116	63	26894	4.632	ug/L	96
20) cis-1,2-Dichloroethene	7.087	96	15978	4.591	ug/L	94
22) 2-Butanone	7.081	43	5637	4.874	ug/L	90
23) Bromochloromethane	7.434	128	7089	4.784	ug/L #	92
25) Chloroform	7.593	83	30030	5.159	ug/L	85
27) 1,2-Dichloroethane	8.328	62	18728	5.118	ug/L #	92
29) Cyclohexane	7.881	56	19921	3.779	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	22359	4.435	ug/L #	72
31) Carbon tetrachloride	7.993	117	20267	4.601	ug/L	97
33) Benzene	8.251	78	60428	4.466	ug/L	100
34) Trichloroethene	9.034	95	15896	4.754	ug/L	81
35) Methylcyclohexane	9.281	83	22448	3.868	ug/L	96
37) 1,2-Dichloropropane	9.304	63	17186	4.898	ug/L #	95
38) Bromodichloromethane	9.587	83	21638	4.972	ug/L	93
39) cis-1,3-Dichloropropene	10.016	75	23622	4.288	ug/L	95
40) 4-Methyl-2-pentanone	10.163	43	18841	9.265	ug/L	94
42) Toluene	10.334	91	60541	4.236	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	20719	4.449	ug/L	97

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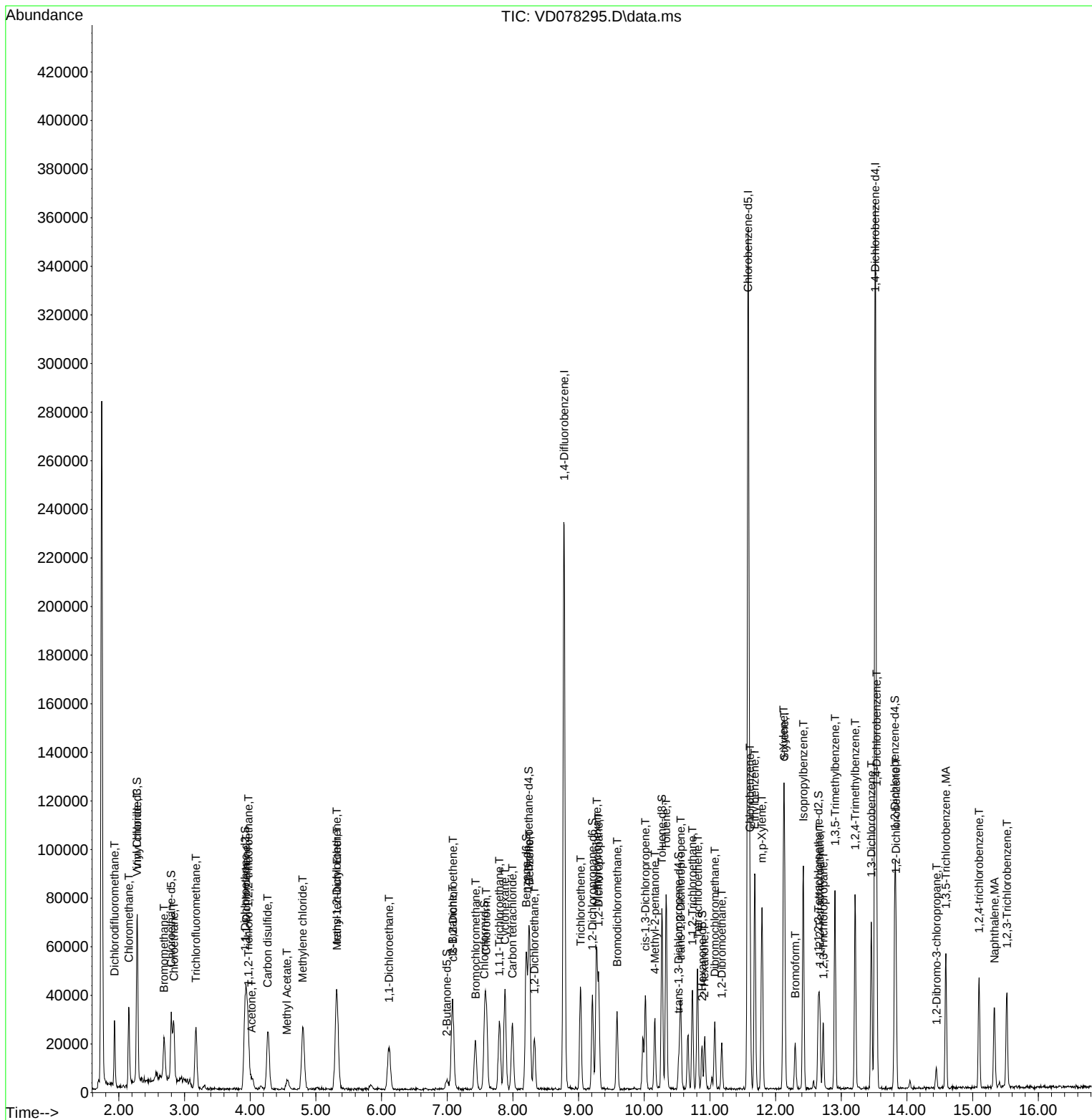
Quant Time: Feb 01 03:59:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 01 03:57:47 2024
 Response via : Initial Calibration

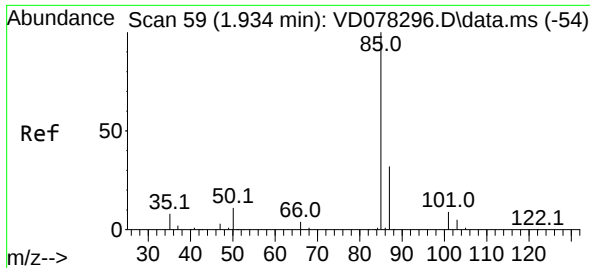
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.734	97	12374	4.990	ug/L	93
46) Tetrachloroethene	10.816	164	10524	4.033	ug/L	95
48) 2-Hexanone	10.916	43	13084	7.654	ug/L #	97
49) Dibromochloromethane	11.075	129	14748	5.073	ug/L	98
50) 1,2-Dibromoethane	11.181	107	12301	5.133	ug/L #	94
51) Chlorobenzene	11.610	112	40111	4.508	ug/L	93
52) Ethylbenzene	11.681	91	63942	4.063	ug/L	97
53) m,p-Xylene	11.792	106	25145	4.230	ug/L	89
54) o-Xylene	12.122	106	22721	3.986	ug/L	92
55) Styrene	12.134	104	40840	4.067	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.675	83	16430	5.487	ug/L #	95
59) Bromoform	12.298	173	7924	5.113	ug/L #	95
60) Isopropylbenzene	12.422	105	56970	4.246	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	10477	5.809	ug/L	98
62) 1,3,5-Trimethylbenzene	12.904	105	42791	4.223	ug/L	95
63) 1,2,4-Trimethylbenzene	13.210	105	42479	4.137	ug/L	100
64) 1,3-Dichlorobenzene	13.457	146	26704	4.587	ug/L	96
65) 1,4-Dichlorobenzene	13.539	146	29093	4.785	ug/L	100
67) 1,2-Dichlorobenzene	13.834	146	25245	4.761	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.451	75	2217	5.360	ug/L #	84
69) 1,3,5-Trichlorobenzene	14.592	180	15350	3.939	ug/L	96
70) 1,2,4-trichlorobenzene	15.098	180	13999	4.224	ug/L	92
71) Naphthalene	15.333	128	29371	4.562	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	12584	4.257	ug/L #	90

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

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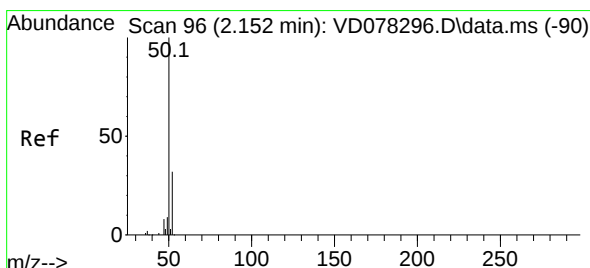
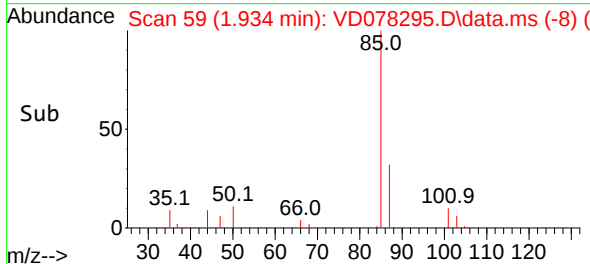
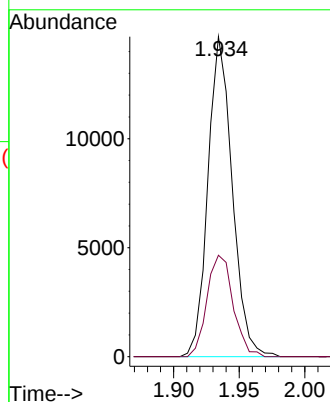
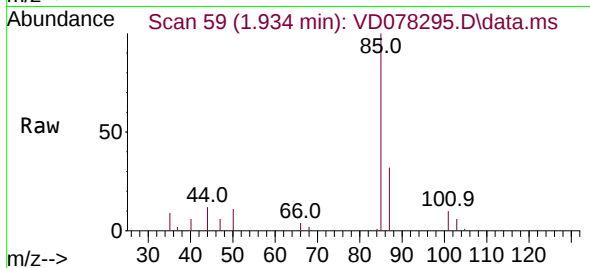




#2
Dichlorodifluoromethane
Concen: 5.278 ug/L
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

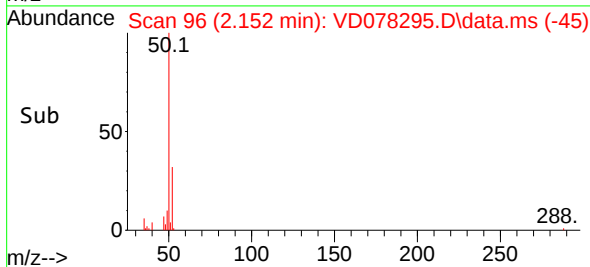
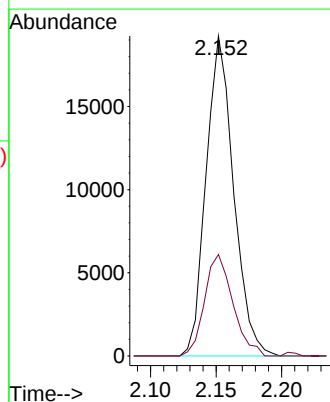
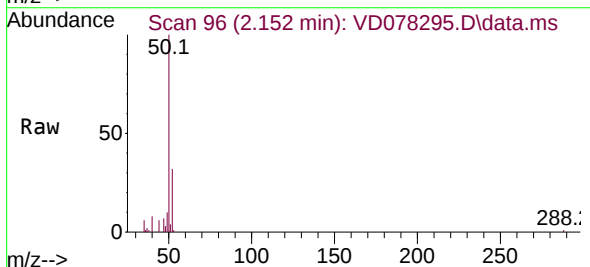
Instrument :
MSVOA_D
ClientSampleId :

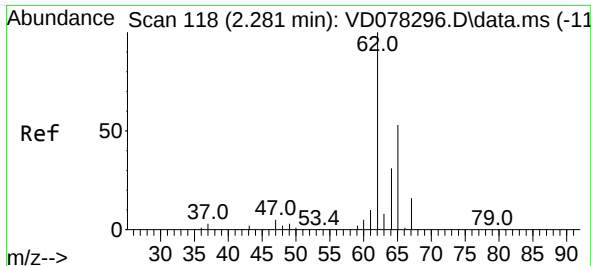
Tgt Ion: 85 Resp: 18942
Ion Ratio Lower Upper
85 100
87 34.1 25.3 37.9



#3
Chloromethane
Concen: 5.440 ug/L
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

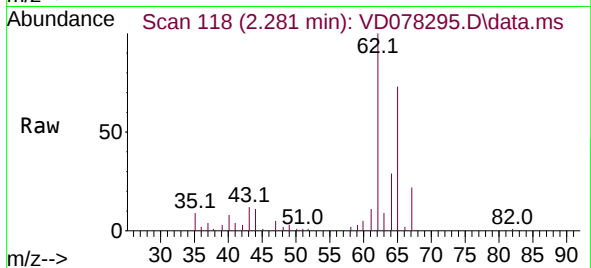
Tgt Ion: 50 Resp: 28137
Ion Ratio Lower Upper
50 100
52 31.7 22.7 42.3



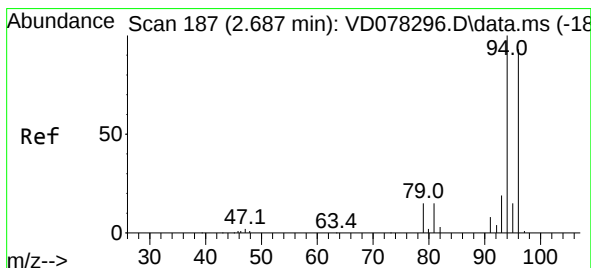
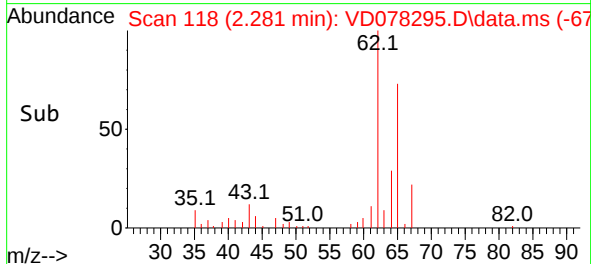
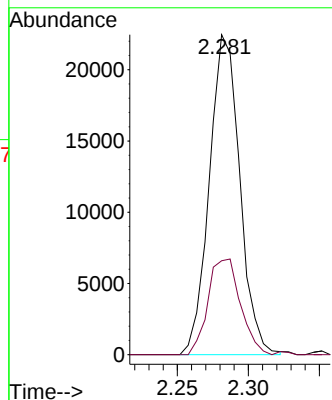


#5
 Vinyl chloride
 Concen: 5.240 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. -0.000 min
 Lab File: VD078295.D
 Acq: 31 Jan 2024 17:13

Instrument :
 MSVOA_D
 ClientSampleId :

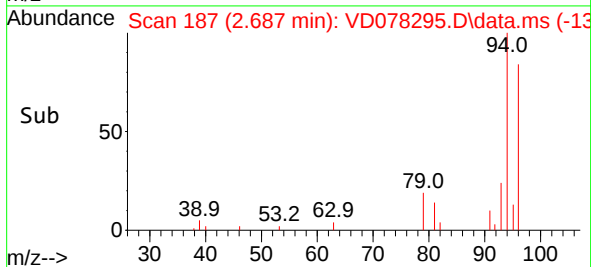
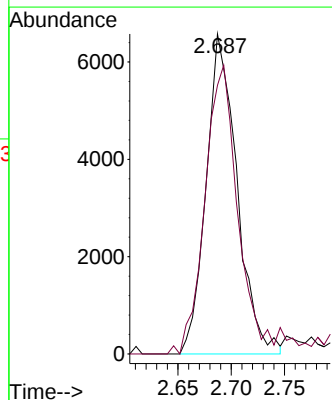
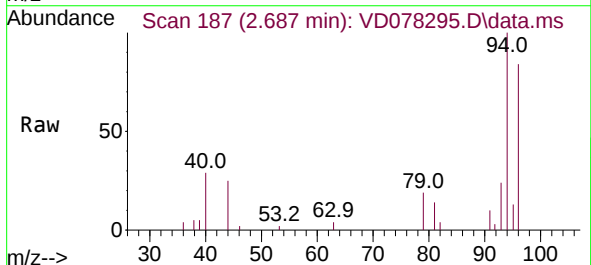


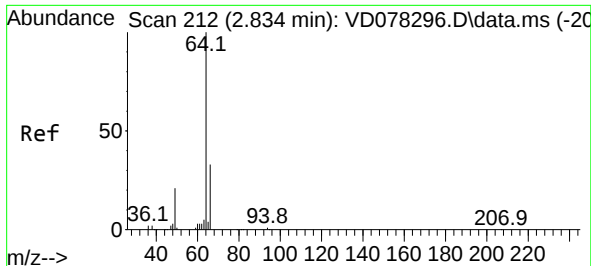
Tgt Ion: 62 Resp: 33474
 Ion Ratio Lower Upper
 62 100
 64 29.3 21.7 40.3



#6
 Bromomethane
 Concen: 4.035 ug/L
 RT: 2.687 min Scan# 187
 Delta R.T. -0.000 min
 Lab File: VD078295.D
 Acq: 31 Jan 2024 17:13

Tgt Ion: 94 Resp: 13248
 Ion Ratio Lower Upper
 94 100
 96 84.0 64.8 120.4

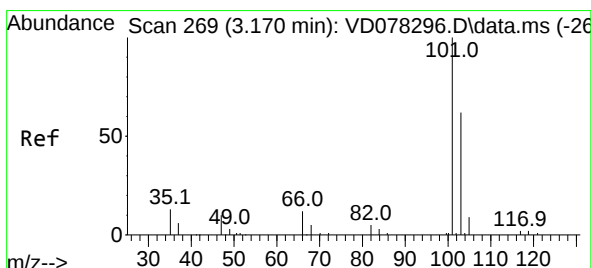
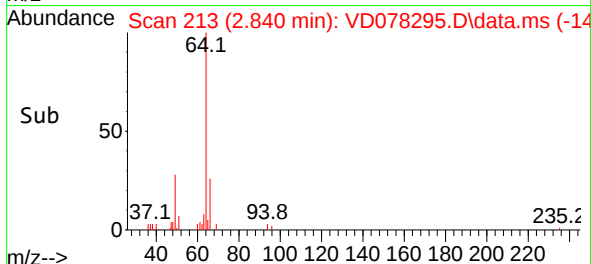
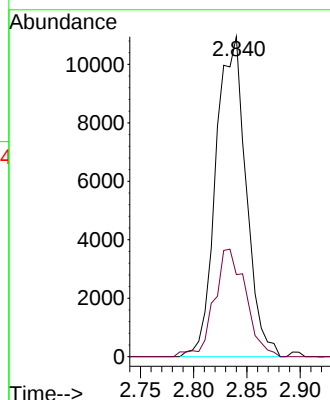
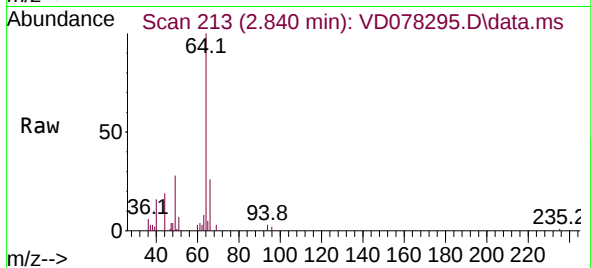




#8
Chloroethane
Concen: 5.376 ug/L
RT: 2.840 min Scan# 212
Delta R.T. 0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

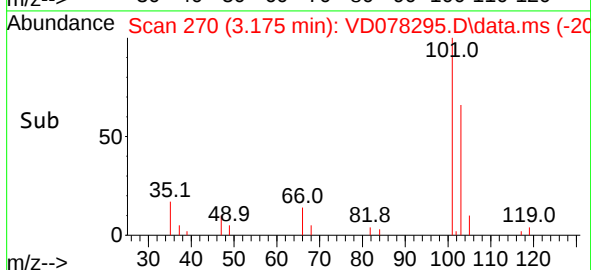
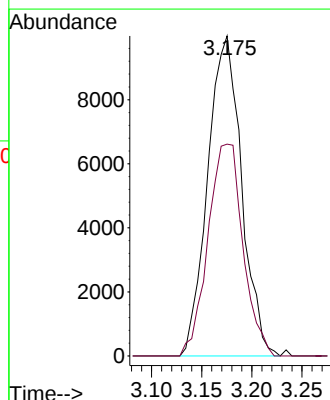
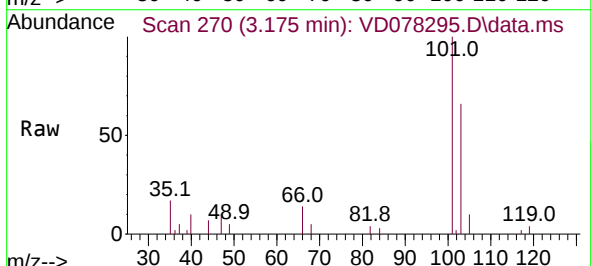
Instrument :
MSVOA_D
ClientSampleId :

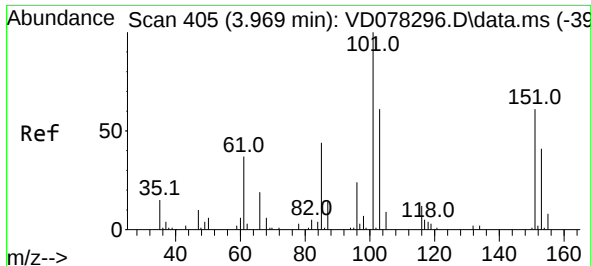
Tgt Ion: 64 Resp: 21558
Ion Ratio Lower Upper
64 100
66 25.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.410 ug/L
RT: 3.175 min Scan# 270
Delta R.T. 0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

Tgt Ion: 101 Resp: 23448
Ion Ratio Lower Upper
101 100
103 68.3 51.1 76.7

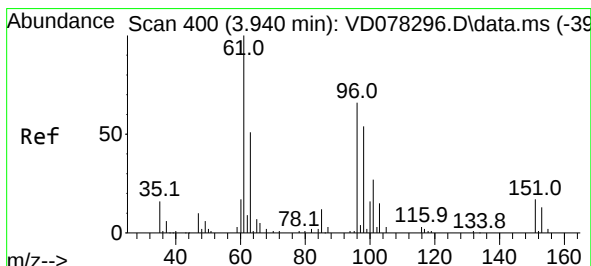
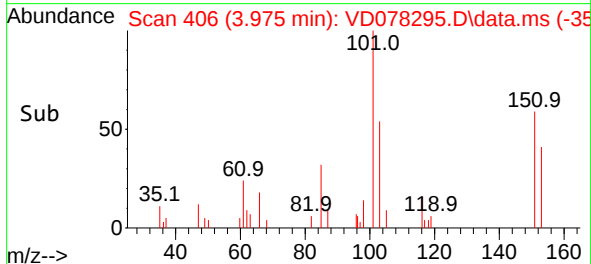
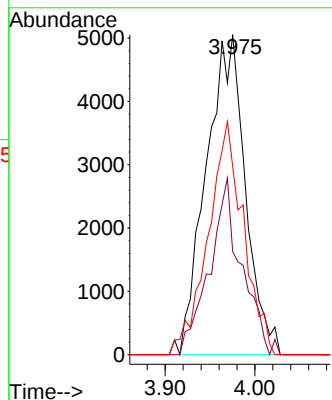
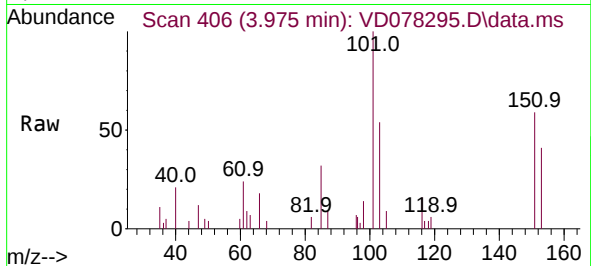




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.871 ug/L
RT: 3.975 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

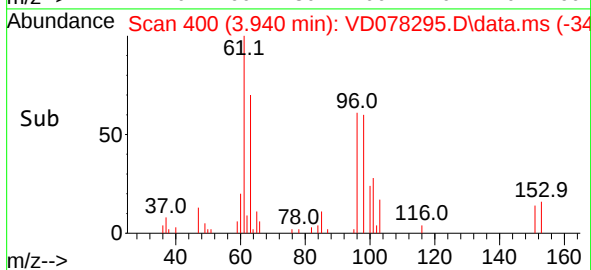
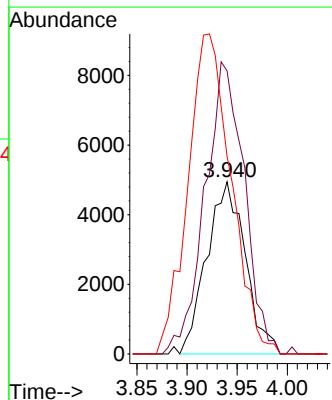
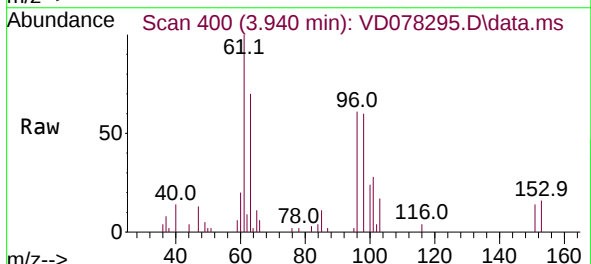
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ClientSampleId :

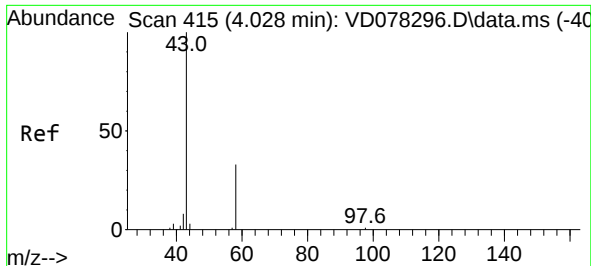
Tgt Ion:101 Resp: 15269
Ion Ratio Lower Upper
101 100
85 34.9 34.6 51.8
151 66.1 54.6 81.8



#12
1,1-Dichloroethene
Concen: 4.464 ug/L
RT: 3.940 min Scan# 400
Delta R.T. -0.000 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

Tgt Ion: 96 Resp: 13214
Ion Ratio Lower Upper
96 100
61 164.4 108.8 202.2
63 114.7 65.2 121.0





#13

Acetone

Concen: 8.184 ug/L

RT: 4.022 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

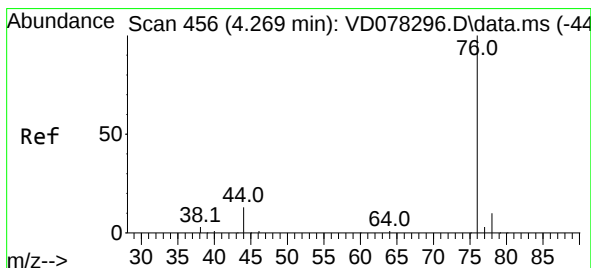
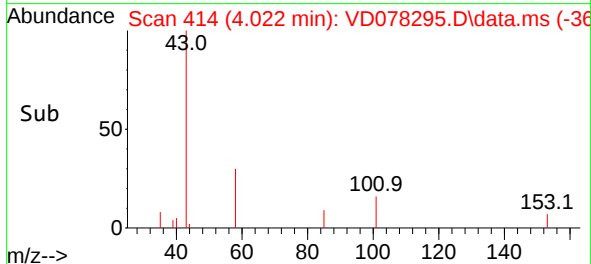
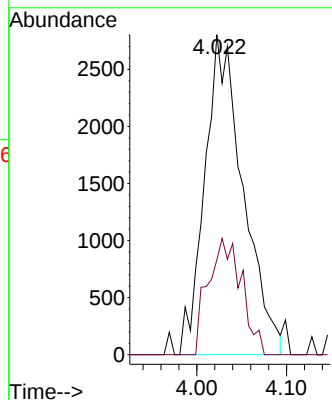
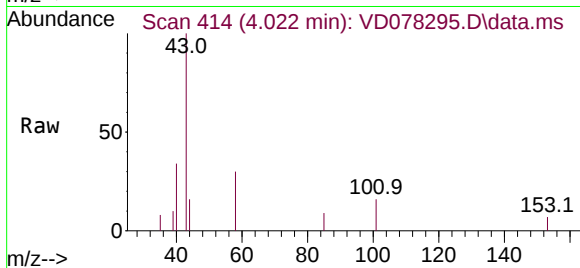
ClientSampleId :

Tgt Ion: 43 Resp: 8323

Ion Ratio Lower Upper

43 100

58 20.3 0.0 67.2



#14

Carbon disulfide

Concen: 5.016 ug/L

RT: 4.263 min Scan# 455

Delta R.T. -0.006 min

Lab File: VD078295.D

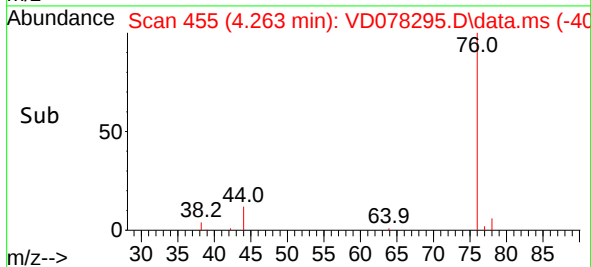
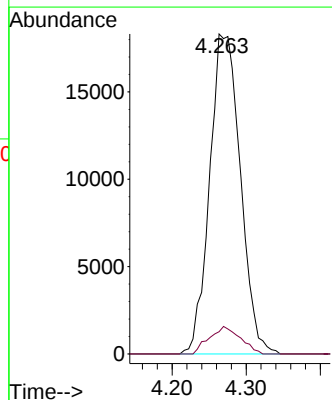
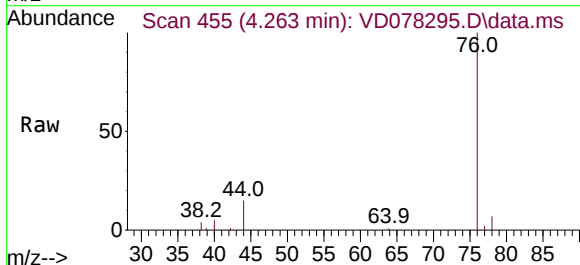
Acq: 31 Jan 2024 17:13

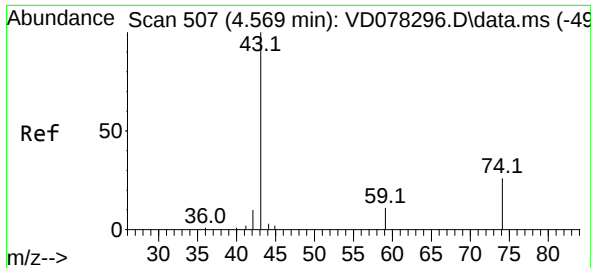
Tgt Ion: 76 Resp: 52723

Ion Ratio Lower Upper

76 100

78 6.9 7.8 11.8#

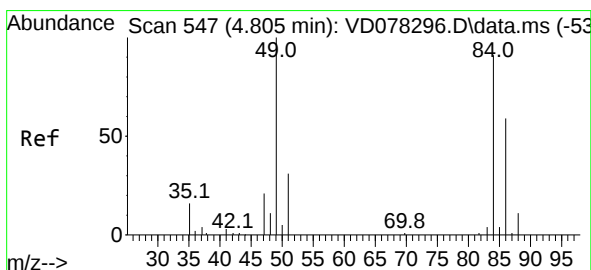
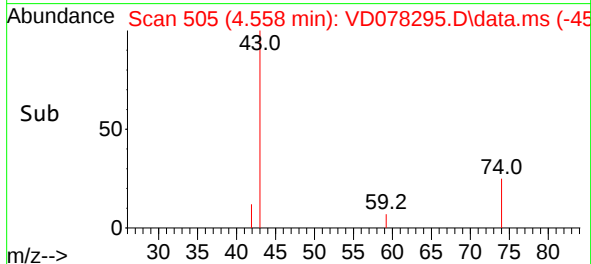
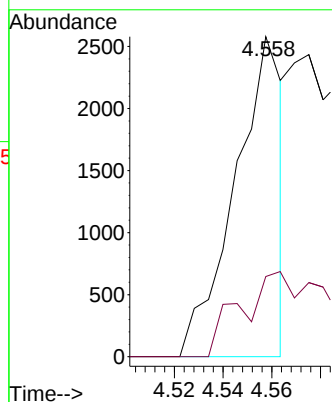
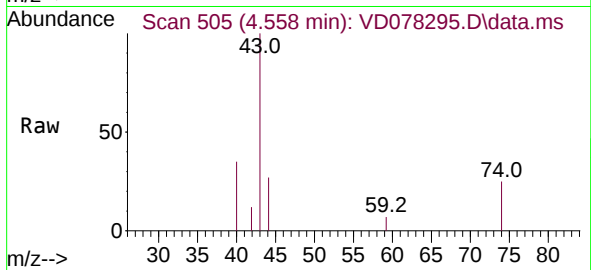




#15
Methyl Acetate
Concen: 2.438 ug/L
RT: 4.558 min Scan# 507
Delta R.T. -0.012 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

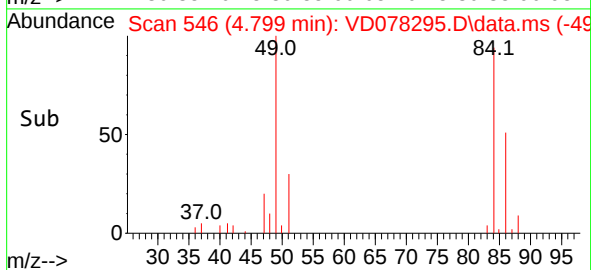
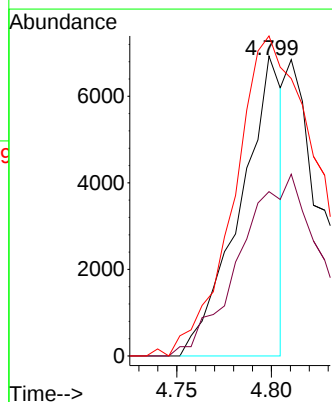
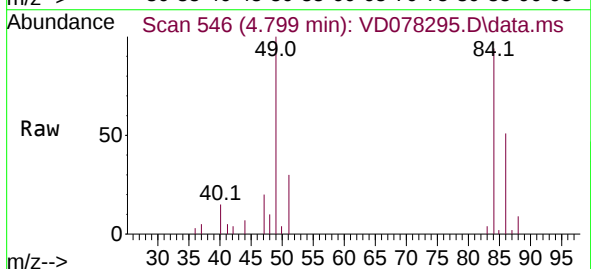
Instrument :
MSVOA_D
ClientSampleId :

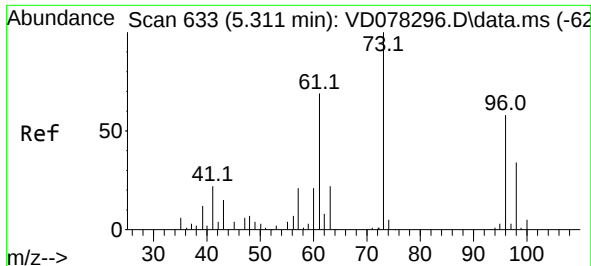
Tgt Ion: 43 Resp: 3507
Ion Ratio Lower Upper
43 100
74 18.2 12.7 19.1



#16
Methylene chloride
Concen: 2.759 ug/L
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

Tgt Ion: 84 Resp: 10776
Ion Ratio Lower Upper
84 100
86 54.8 45.4 84.2
49 106.7 77.3 143.7

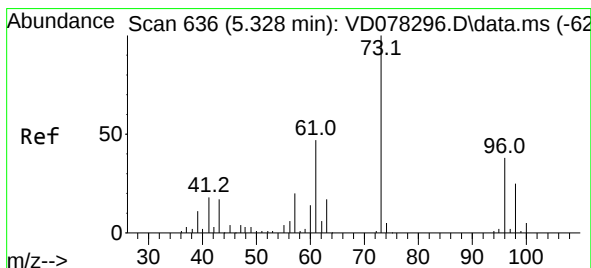
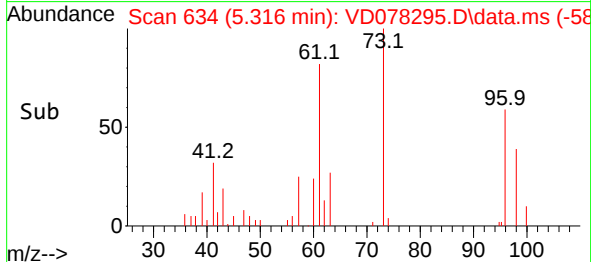
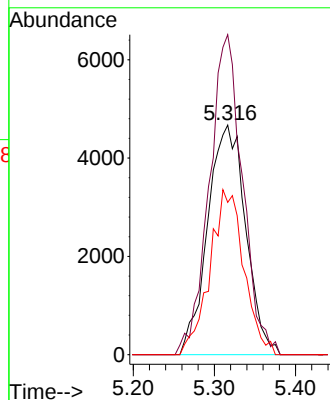
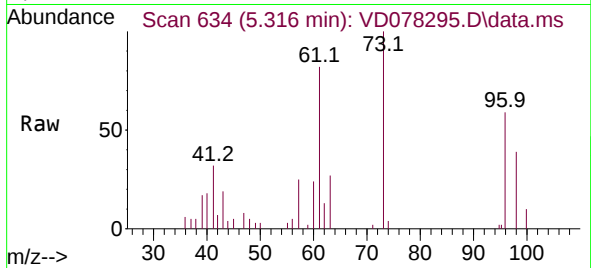




#17
trans-1,2-Dichloroethene
Concen: 4.855 ug/L
RT: 5.316 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

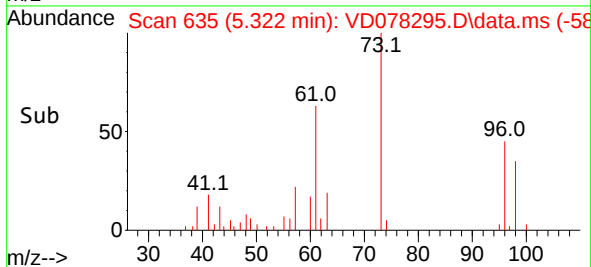
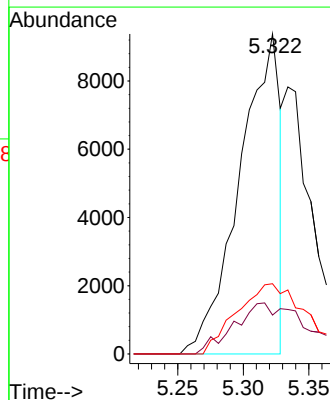
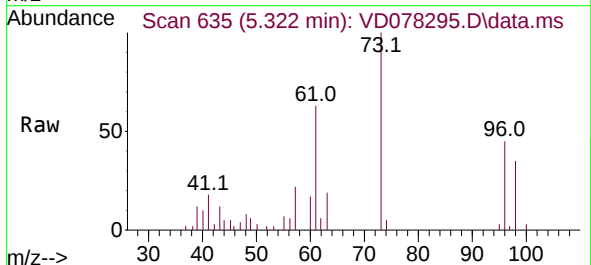
Instrument :
MSVOA_D
ClientSampleId :

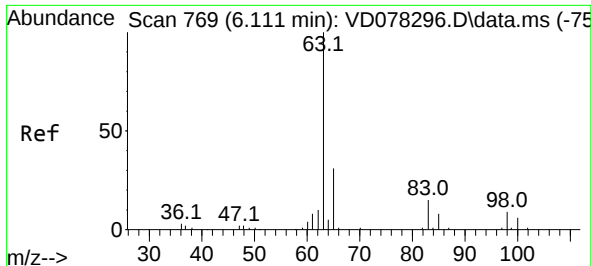
Tgt Ion: 96 Resp: 15204
Ion Ratio Lower Upper
96 100
61 139.4 82.7 153.7
98 66.3 40.7 75.7



#18
Methyl tert-butyl Ether
Concen: 2.877 ug/L
RT: 5.322 min Scan# 635
Delta R.T. -0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

Tgt Ion: 73 Resp: 20122
Ion Ratio Lower Upper
73 100
43 9.7 13.3 19.9#
57 37.5 17.2 25.8#





#19

1,1-Dichloroethane

Concen: 4.632 ug/L

RT: 6.116 min Scan# 71

Delta R.T. 0.006 min

Lab File: VD078295.D

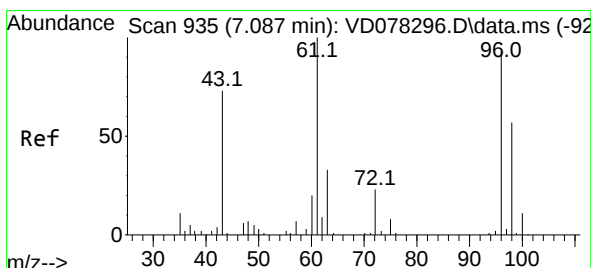
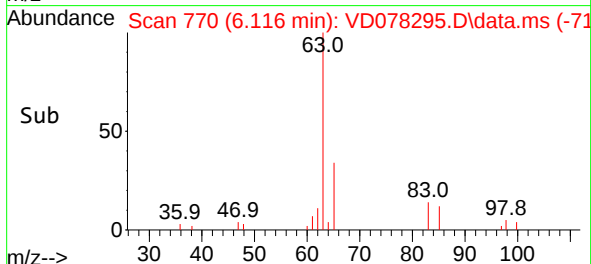
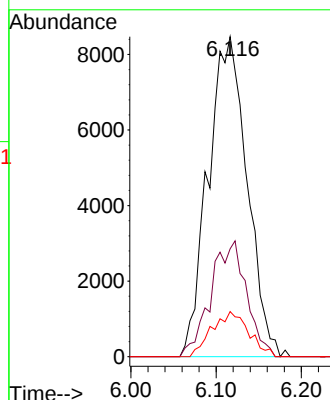
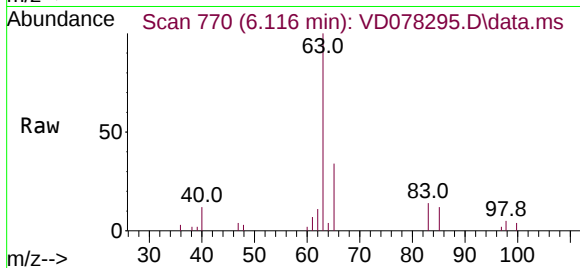
Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 63	Resp: 26894
Ion Ratio	Lower Upper
63 100	
65 33.7	21.8 40.4
83 14.1	10.1 18.9



#20

cis-1,2-Dichloroethene

Concen: 4.591 ug/L

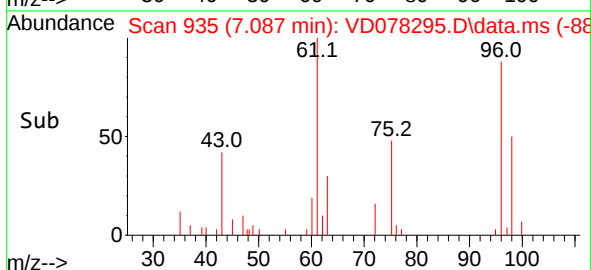
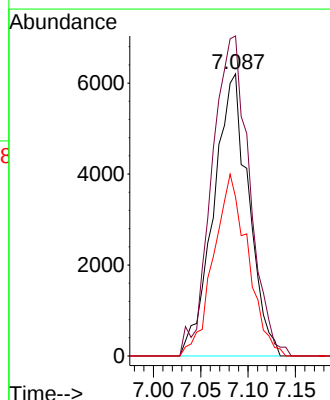
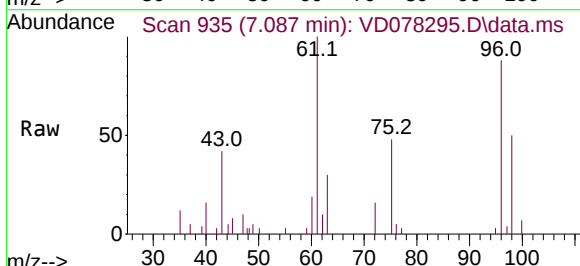
RT: 7.087 min Scan# 935

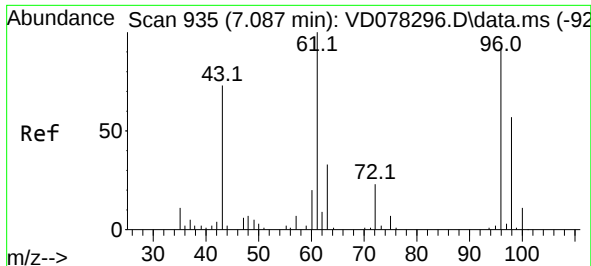
Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Tgt Ion: 96	Resp: 15978
Ion Ratio	Lower Upper
96 100	
61 113.4	75.6 140.4
98 56.3	43.1 80.1





#22

2-Butanone

Concen: 4.874 ug/L

RT: 7.081 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

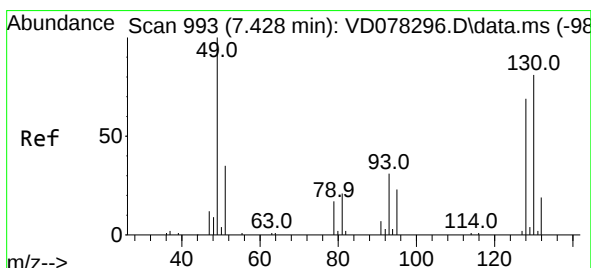
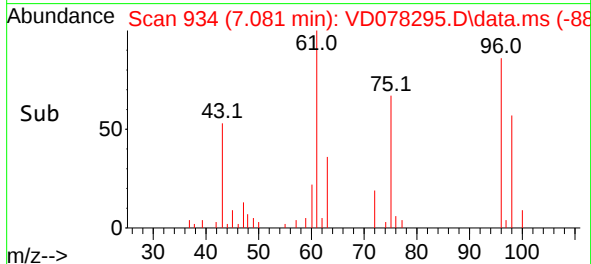
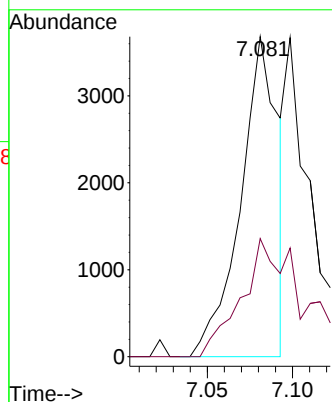
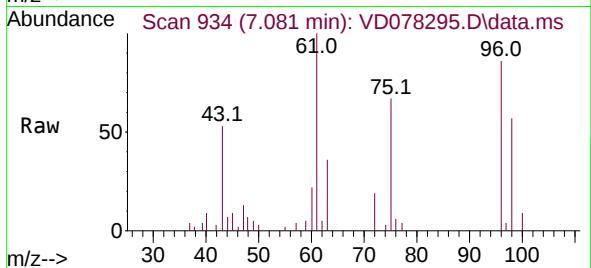
ClientSampleId :

Tgt Ion: 43 Resp: 5637

Ion Ratio Lower Upper

43 100

72 36.4 15.4 46.2



#23

Bromochloromethane

Concen: 4.784 ug/L

RT: 7.434 min Scan# 994

Delta R.T. 0.006 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Tgt Ion:128 Resp: 7089

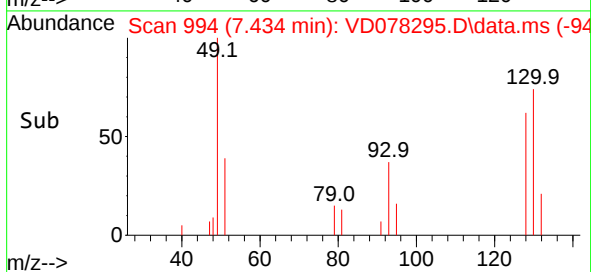
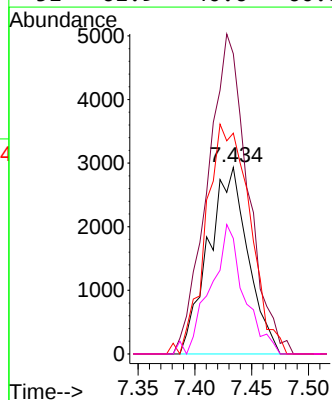
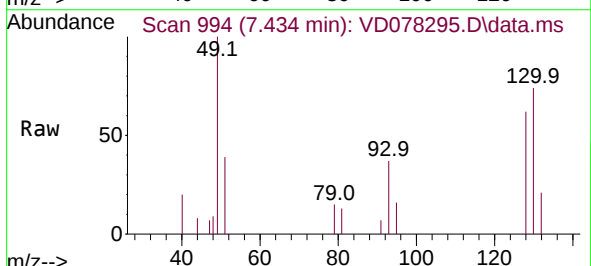
Ion Ratio Lower Upper

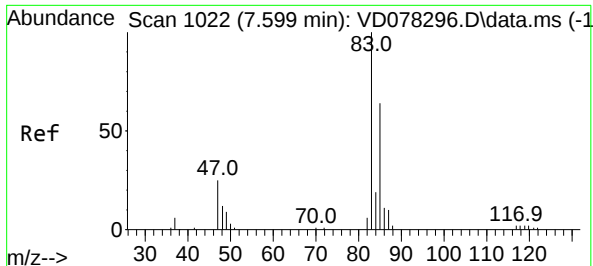
128 100

49 160.8 102.7 190.7

130 118.3 82.6 153.4

51 61.9 40.6 60.8#





#25

Chloroform

Concen: 5.159 ug/L

RT: 7.593 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

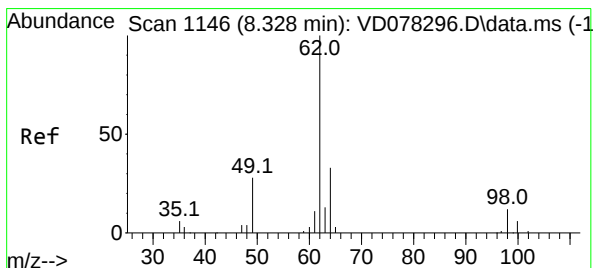
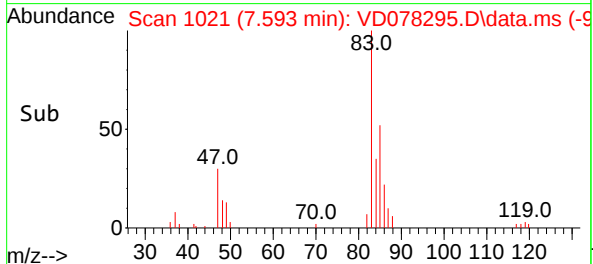
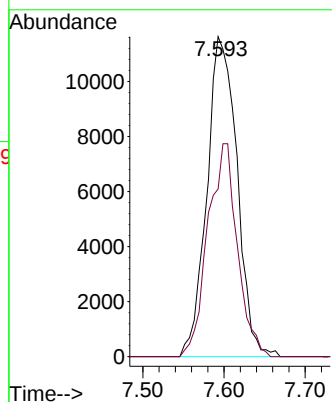
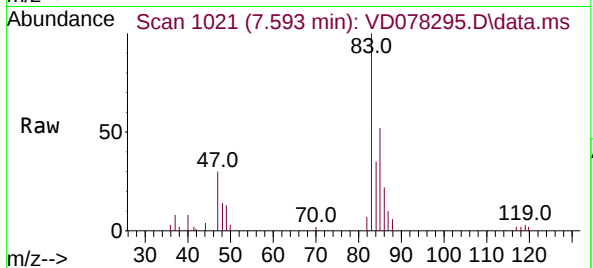
ClientSampleId :

Tgt Ion: 83 Resp: 30030

Ion Ratio Lower Upper

83 100

85 52.4 44.9 83.3



#27

1,2-Dichloroethane

Concen: 5.118 ug/L

RT: 8.328 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VD078295.D

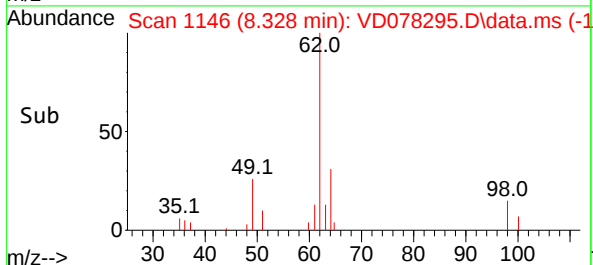
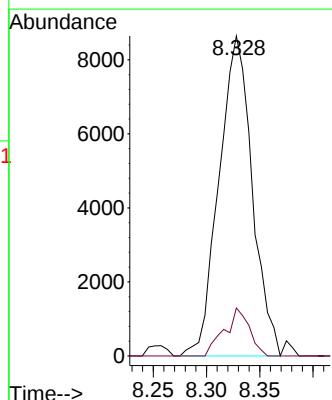
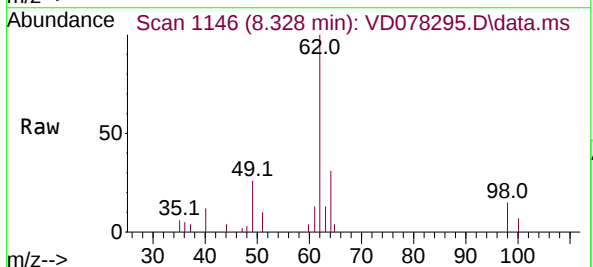
Acq: 31 Jan 2024 17:13

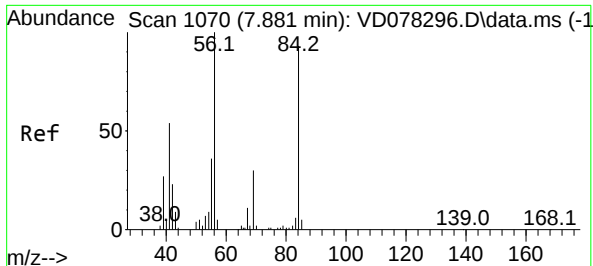
Tgt Ion: 62 Resp: 18728

Ion Ratio Lower Upper

62 100

98 15.0 9.5 14.3#





#29

Cyclohexane

Concen: 3.779 ug/L

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

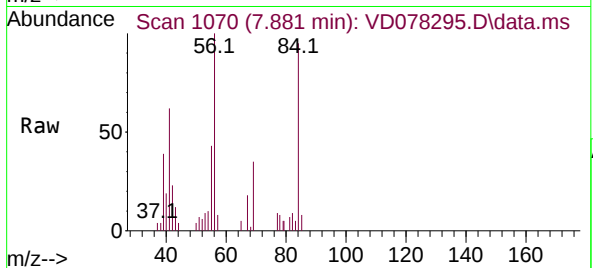
Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :



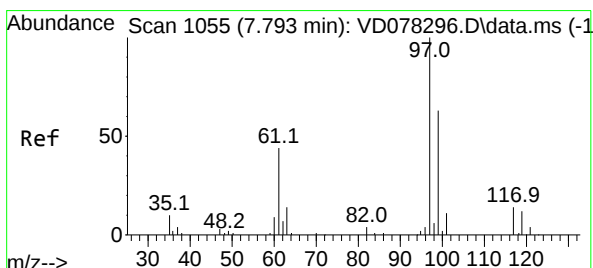
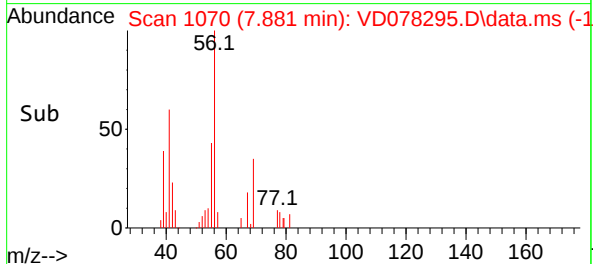
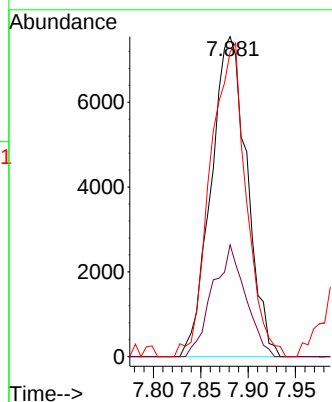
Tgt Ion: 56 Resp: 19921

Ion Ratio Lower Upper

56 100

69 32.0 23.3 34.9

84 96.5 74.7 112.1



#30

1,1,1-Trichloroethane

Concen: 4.435 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

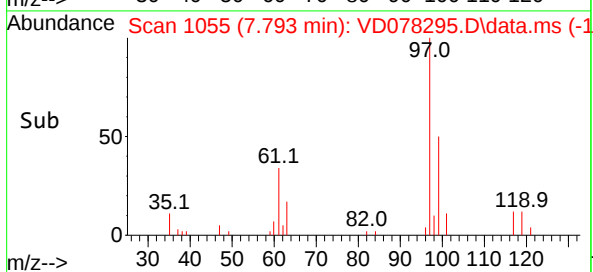
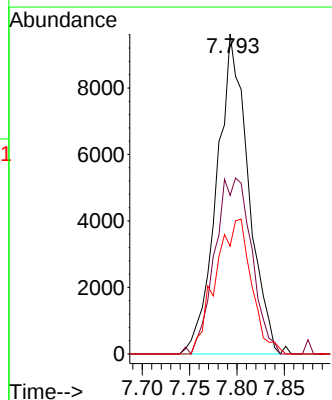
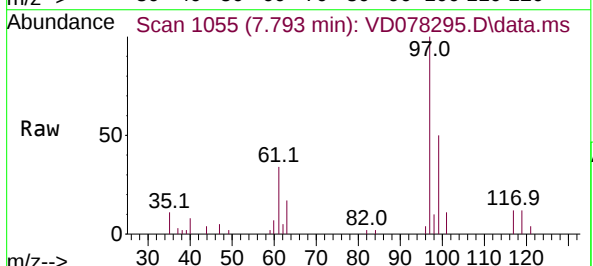
Tgt Ion: 97 Resp: 22359

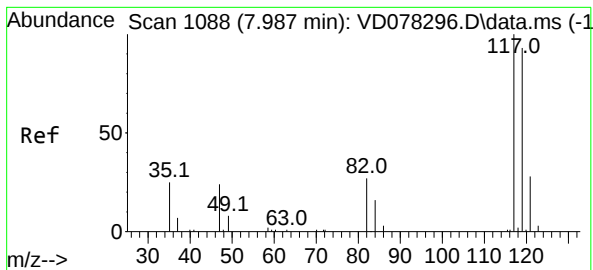
Ion Ratio Lower Upper

97 100

99 30.7 50.7 76.1#

61 47.0 34.4 51.6

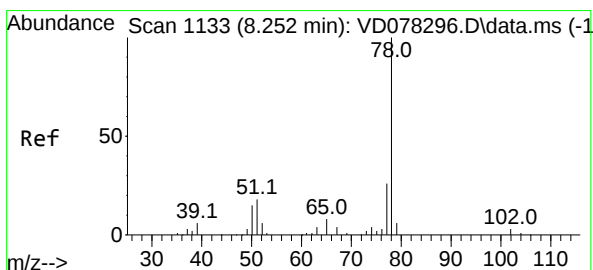
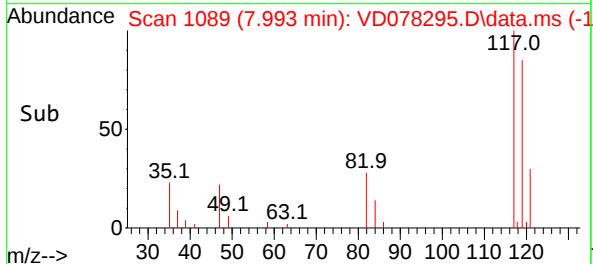
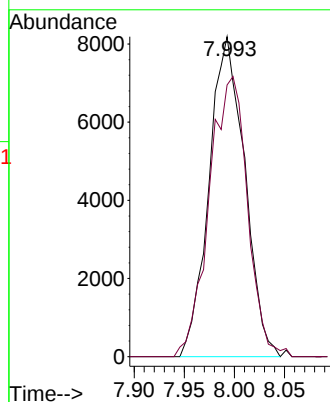
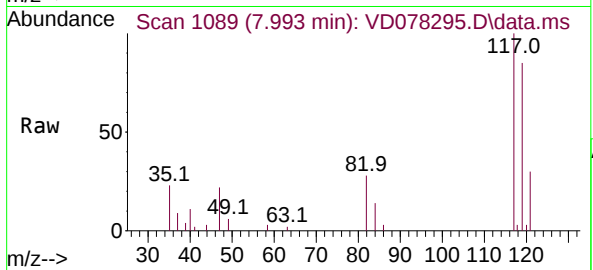




#31
Carbon tetrachloride
Concen: 4.601 ug/L
RT: 7.993 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

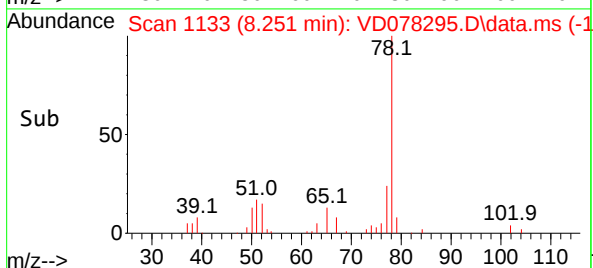
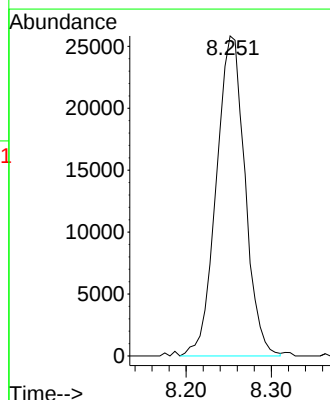
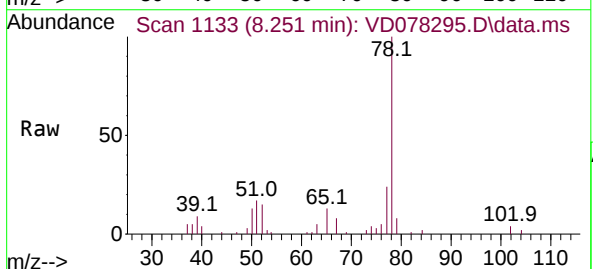
Instrument :
MSVOA_D
ClientSampleId :

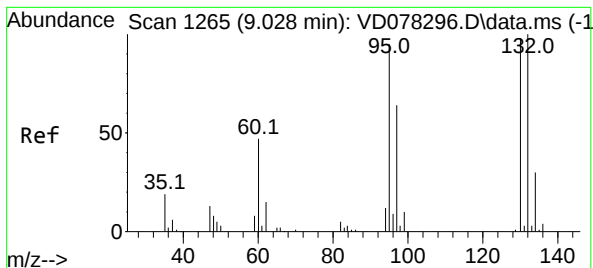
Tgt Ion:117 Resp: 20267
Ion Ratio Lower Upper
117 100
119 93.3 77.0 115.4



#33
Benzene
Concen: 4.466 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

Tgt Ion: 78 Resp: 60428





#34

Trichloroethene

Concen: 4.754 ug/L

RT: 9.034 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 95 Resp: 15896

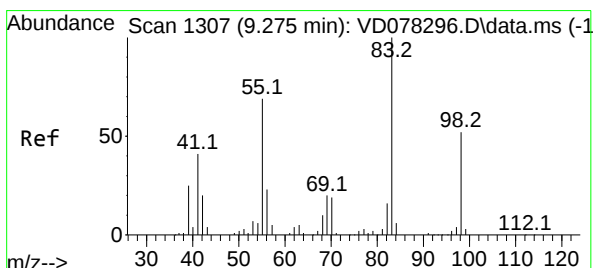
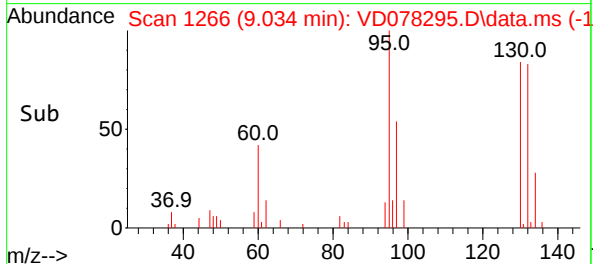
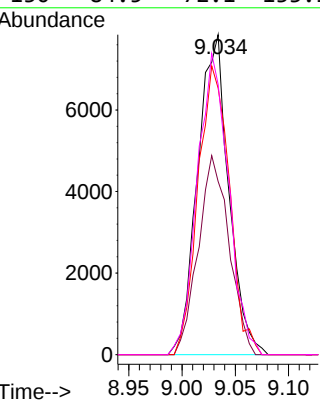
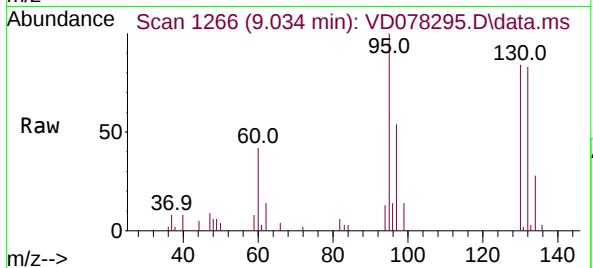
Ion Ratio Lower Upper

95 100

97 54.2 46.9 87.1

132 83.3 73.7 136.9

130 84.5 72.1 133.9



#35

Methylcyclohexane

Concen: 3.868 ug/L

RT: 9.281 min Scan# 1308

Delta R.T. 0.006 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

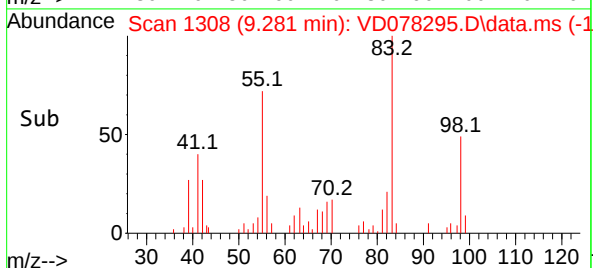
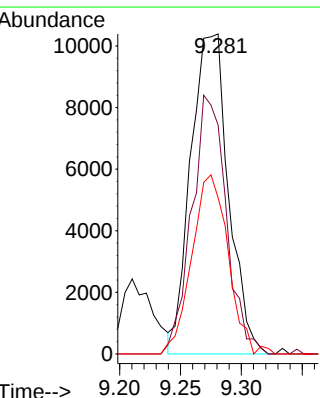
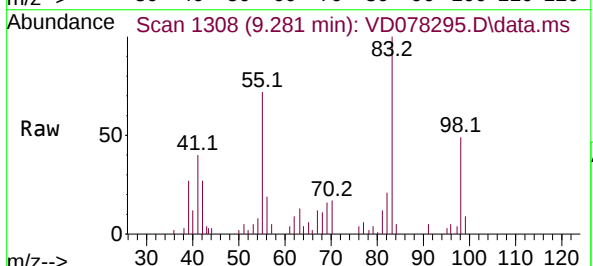
Tgt Ion: 83 Resp: 22448

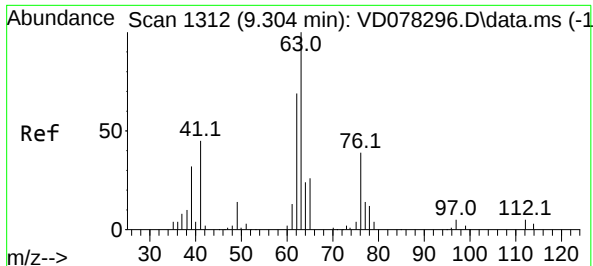
Ion Ratio Lower Upper

83 100

55 74.0 56.2 84.4

98 53.2 41.2 61.8





#37

1,2-Dichloropropane

Concen: 4.898 ug/L

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

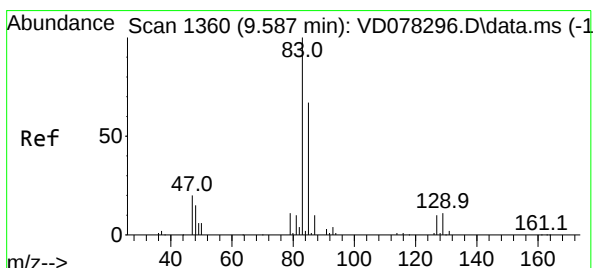
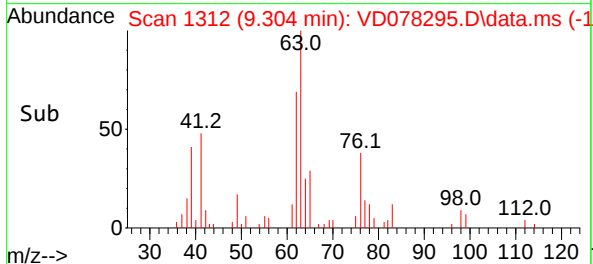
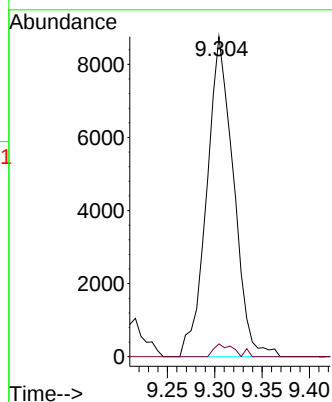
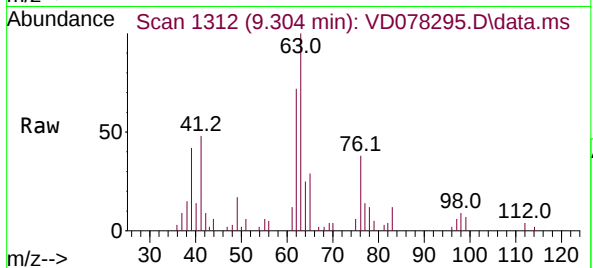
ClientSampleId :

Tgt Ion: 63 Resp: 17186

Ion Ratio Lower Upper

63 100

112 2.6 3.4 5.2#



#38

Bromodichloromethane

Concen: 4.972 ug/L

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

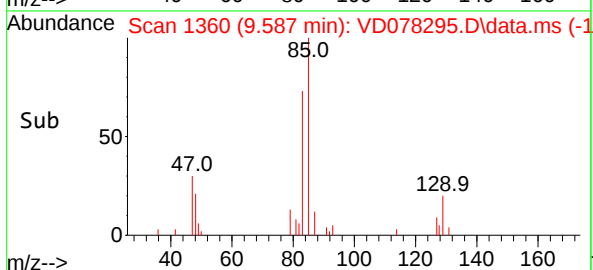
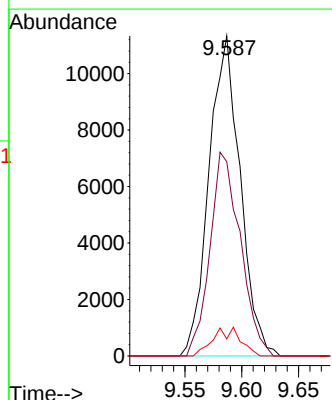
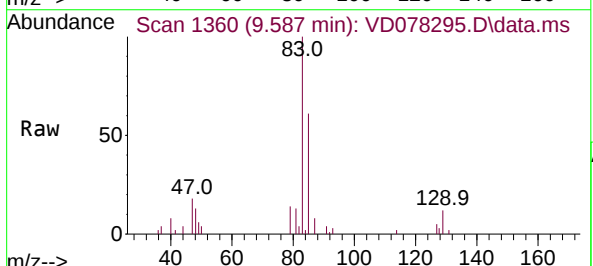
Tgt Ion: 83 Resp: 21638

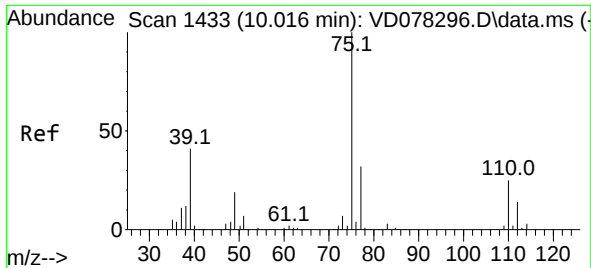
Ion Ratio Lower Upper

83 100

85 60.7 46.6 86.6

127 8.2 8.1 12.1

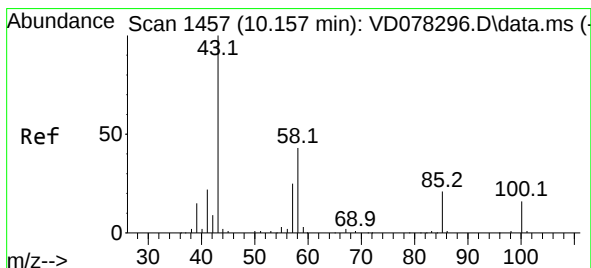
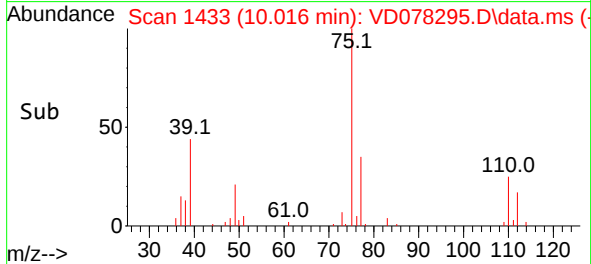
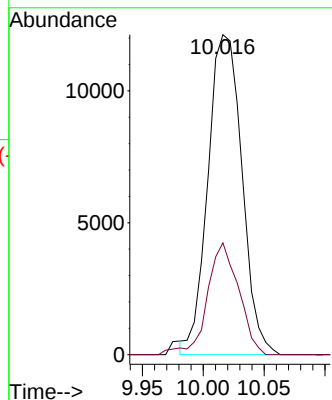
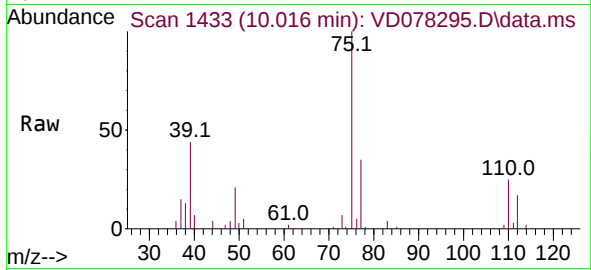




#39
 cis-1,3-Dichloropropene
 Concen: 4.288 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD078295.D
 Acq: 31 Jan 2024 17:13

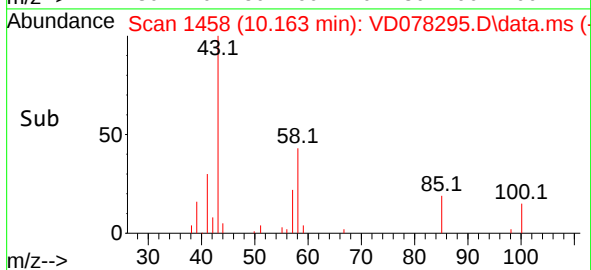
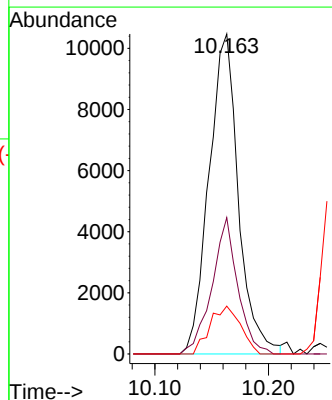
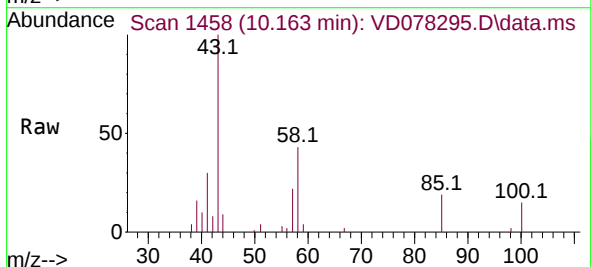
Instrument :
 MSVOA_D
 ClientSampleId :

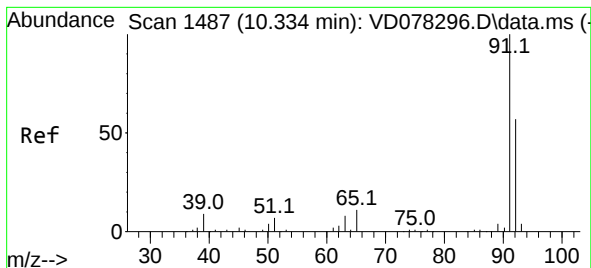
Tgt Ion: 75 Resp: 23622
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 9.265 ug/L
 RT: 10.163 min Scan# 1458
 Delta R.T. 0.006 min
 Lab File: VD078295.D
 Acq: 31 Jan 2024 17:13

Tgt Ion: 43 Resp: 18841
 Ion Ratio Lower Upper
 43 100
 58 37.5 34.0 51.0
 100 15.5 13.2 19.8





#42

Toluene

Concen: 4.236 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

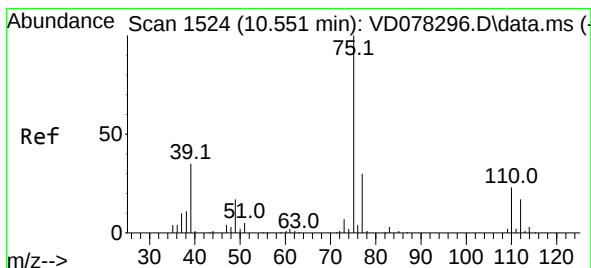
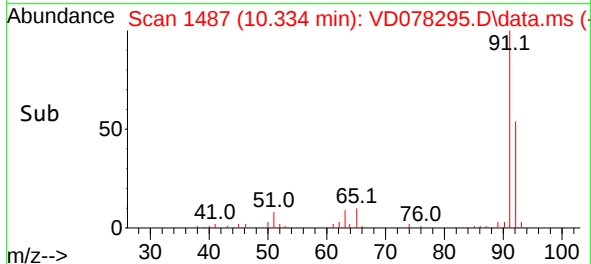
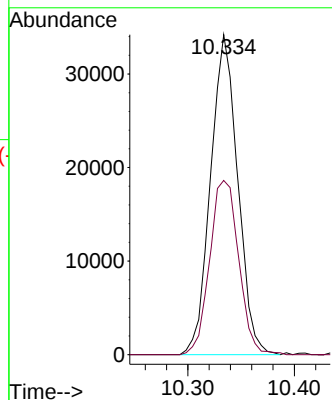
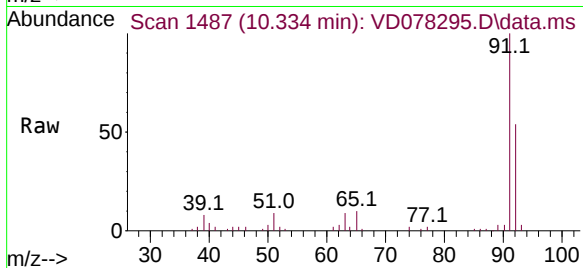
ClientSampleId :

Tgt Ion: 91 Resp: 60541

Ion Ratio Lower Upper

91 100

92 54.5 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 4.449 ug/L

RT: 10.557 min Scan# 1525

Delta R.T. 0.006 min

Lab File: VD078295.D

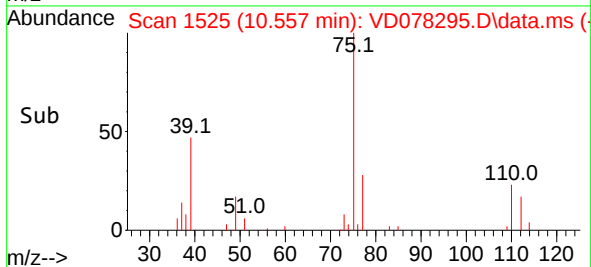
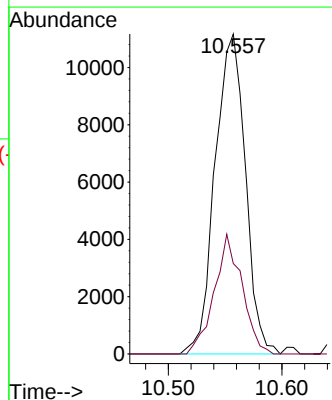
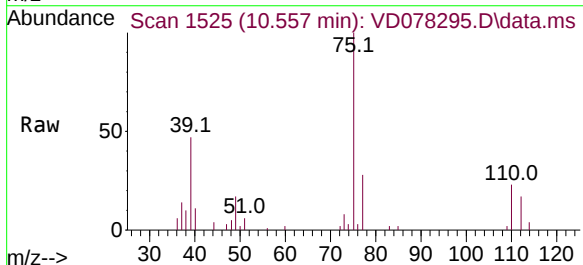
Acq: 31 Jan 2024 17:13

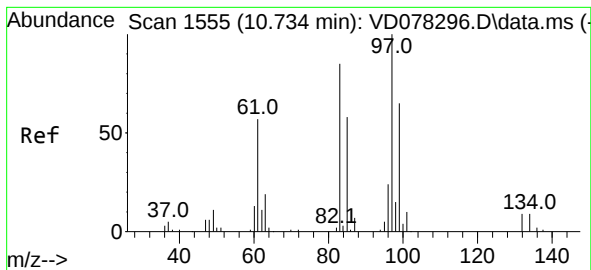
Tgt Ion: 75 Resp: 20719

Ion Ratio Lower Upper

75 100

77 28.2 20.7 38.5





#45

1,1,2-Trichloroethane

Concen: 4.990 ug/L

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 97 Resp: 12374

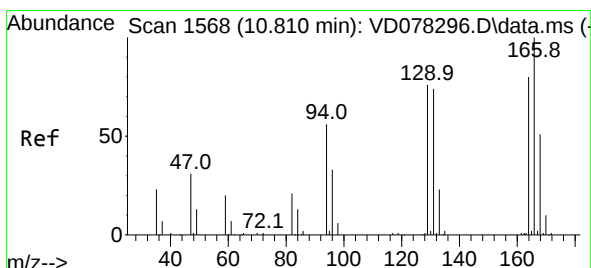
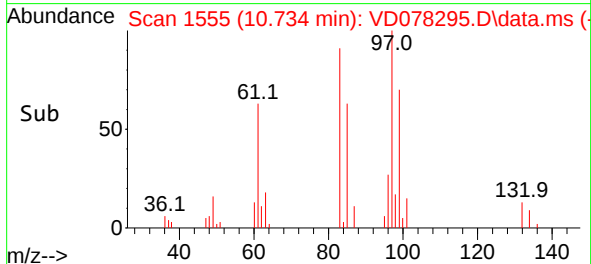
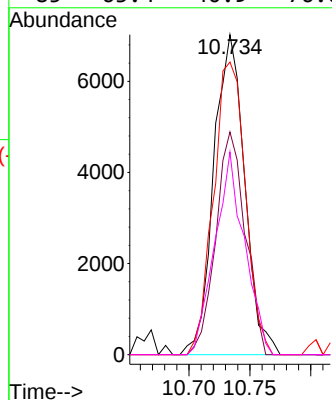
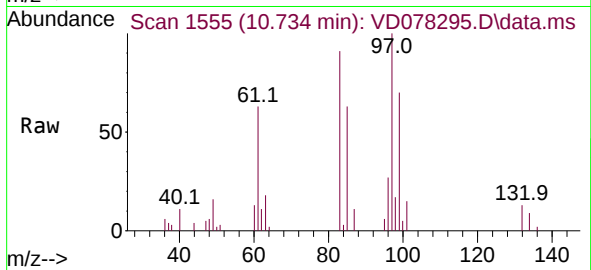
Ion Ratio Lower Upper

97 100

99 69.6 45.4 84.4

83 91.4 59.5 110.5

85 63.4 40.9 76.0



#46

Tetrachloroethene

Concen: 4.033 ug/L

RT: 10.816 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Tgt Ion:164 Resp: 10524

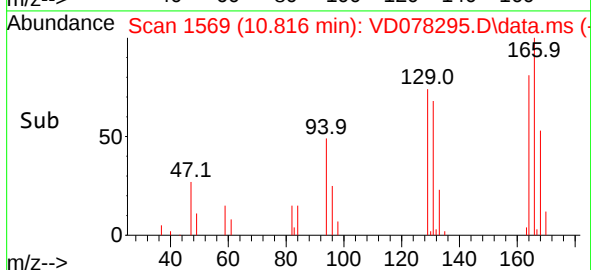
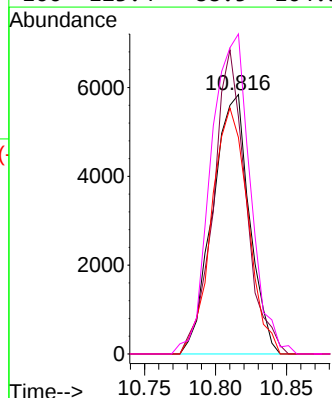
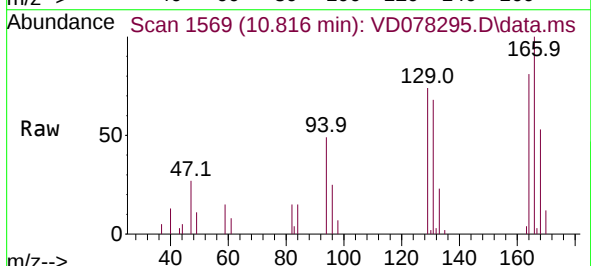
Ion Ratio Lower Upper

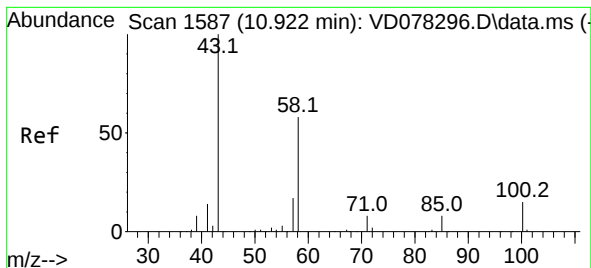
164 100

129 91.4 66.7 123.9

131 83.5 65.2 121.0

166 123.4 88.5 164.3





#48

2-Hexanone

Concen: 7.654 ug/L

RT: 10.916 min Scan# 1586

Delta R.T. -0.006 min

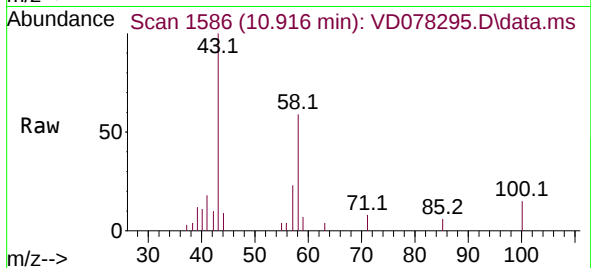
Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 13084

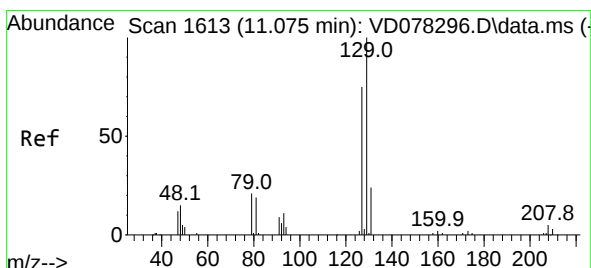
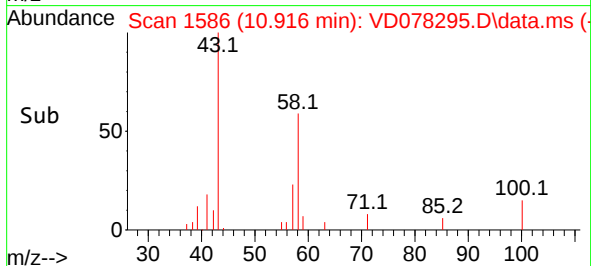
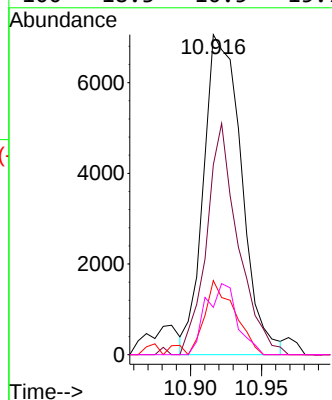
Ion Ratio Lower Upper

43 100

58 60.4 48.5 72.7

57 18.2 15.6 23.4

100 18.3 10.5 15.7#



#49

Dibromochloromethane

Concen: 5.073 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD078295.D

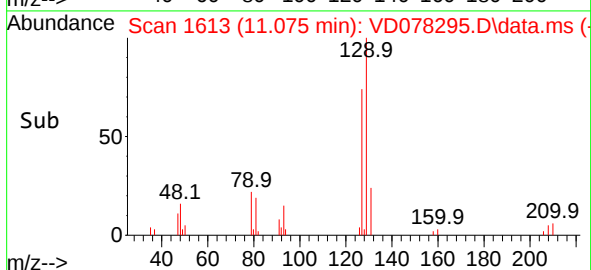
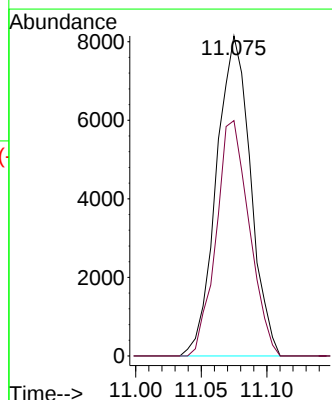
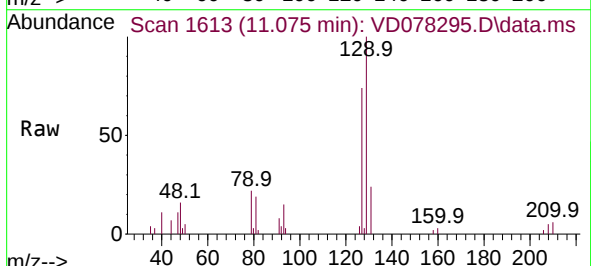
Acq: 31 Jan 2024 17:13

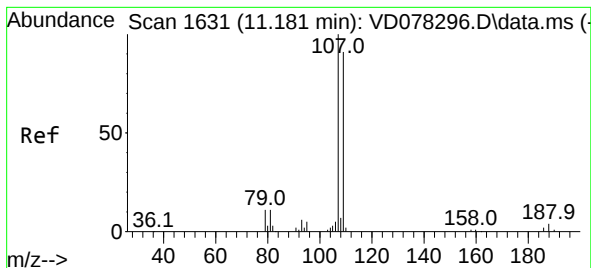
Tgt Ion:129 Resp: 14748

Ion Ratio Lower Upper

129 100

127 73.6 52.7 97.9





#50

1,2-Dibromoethane

Concen: 5.133 ug/L

RT: 11.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :

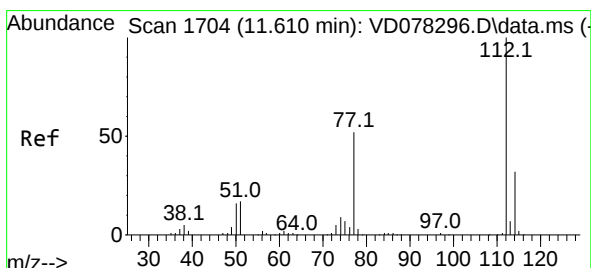
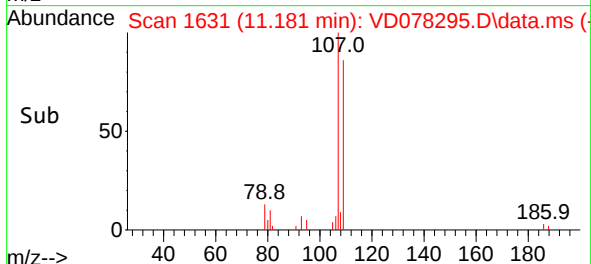
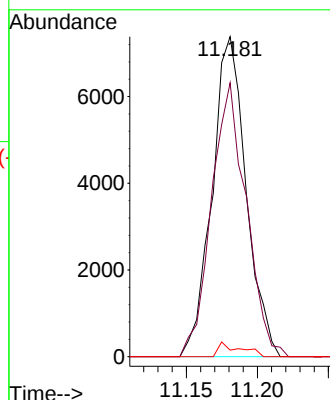
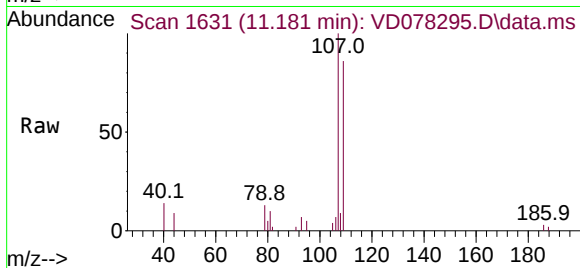
Tgt Ion:107 Resp: 12301

Ion Ratio Lower Upper

107 100

109 85.6 64.0 118.8

188 2.0 3.1 4.7#



#51

Chlorobenzene

Concen: 4.508 ug/L

RT: 11.610 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

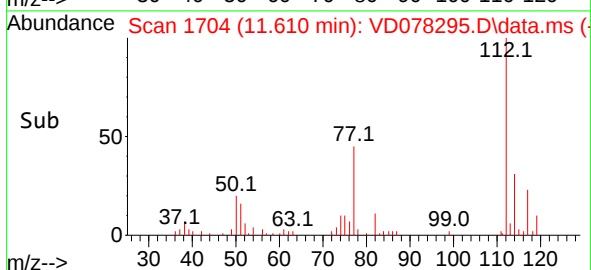
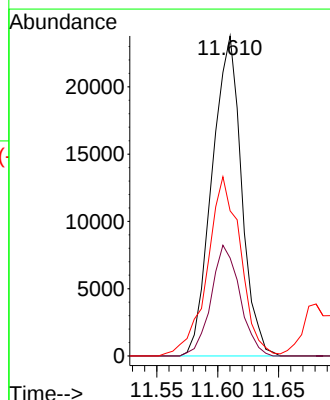
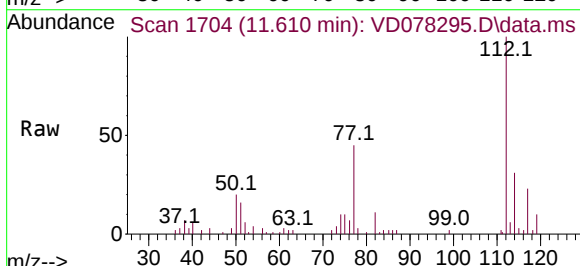
Tgt Ion:112 Resp: 40111

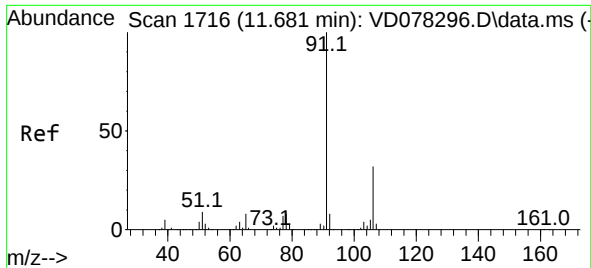
Ion Ratio Lower Upper

112 100

114 30.6 22.3 41.3

77 45.3 42.3 63.5

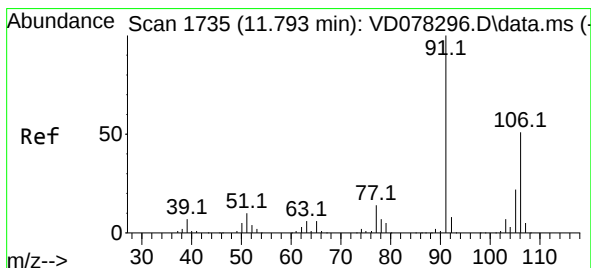
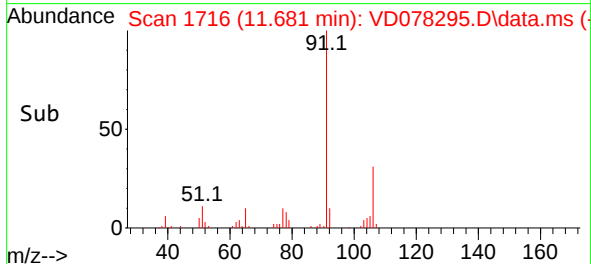
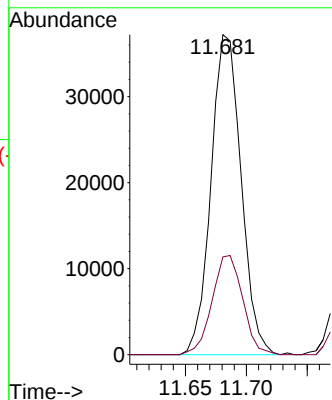
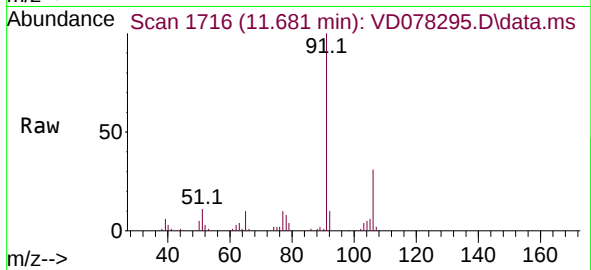




#52
Ethylbenzene
Concen: 4.063 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

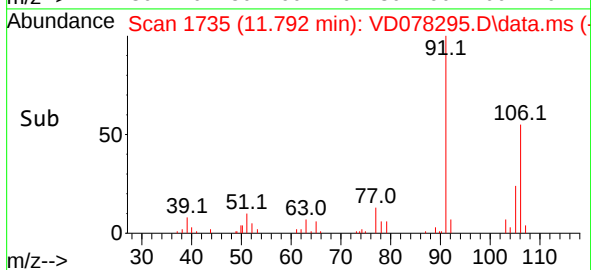
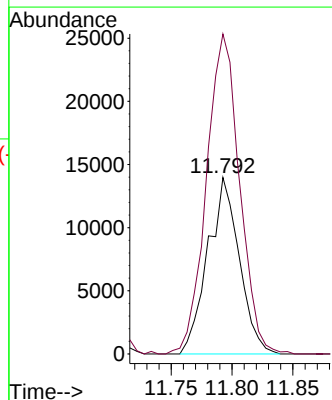
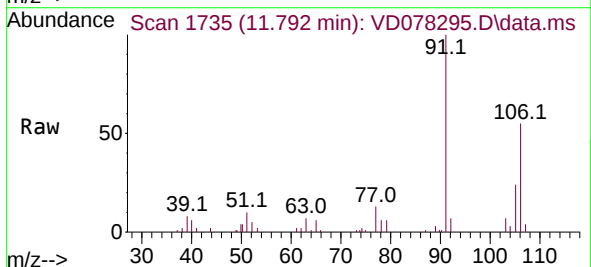
Instrument :
MSVOA_D
ClientSampleId :

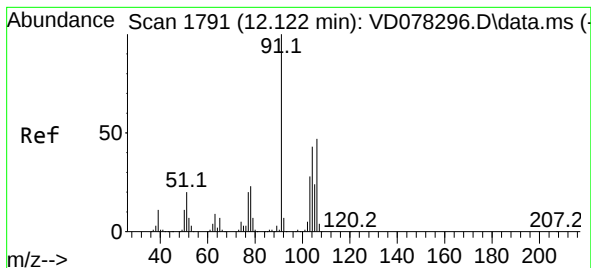
Tgt Ion: 91 Resp: 63942
Ion Ratio Lower Upper
91 100
106 30.6 22.5 41.7



#53
m,p-Xylene
Concen: 4.230 ug/L
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

Tgt Ion:106 Resp: 25145
Ion Ratio Lower Upper
106 100
91 181.3 138.3 256.8





#54

o-Xylene

Concen: 3.986 ug/L

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

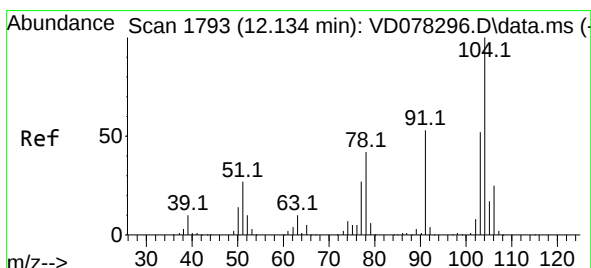
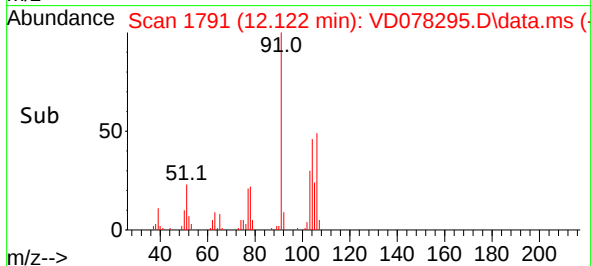
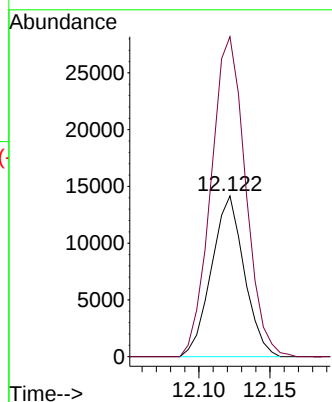
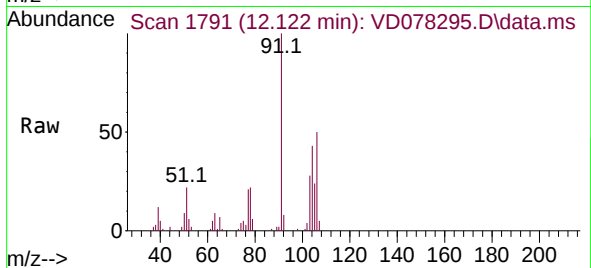
ClientSampleId :

Tgt Ion:106 Resp: 22721

Ion Ratio Lower Upper

106 100

91 199.0 148.0 274.8



#55

Styrene

Concen: 4.067 ug/L

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD078295.D

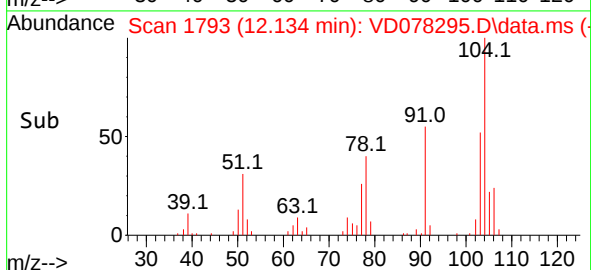
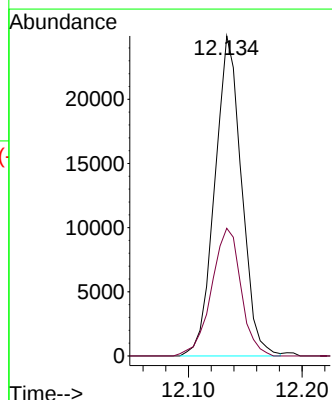
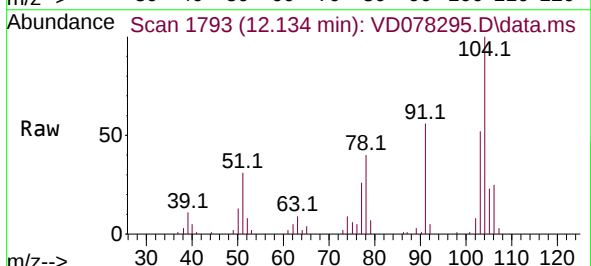
Acq: 31 Jan 2024 17:13

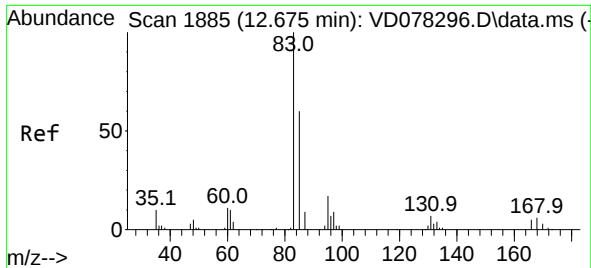
Tgt Ion:104 Resp: 40840

Ion Ratio Lower Upper

104 100

78 39.9 29.5 54.7

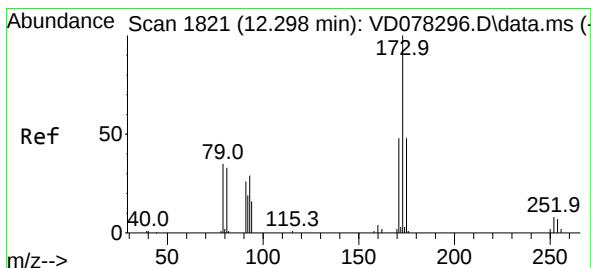
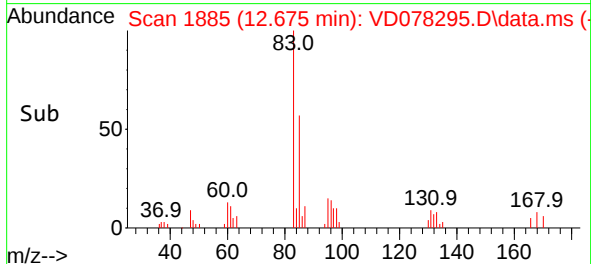
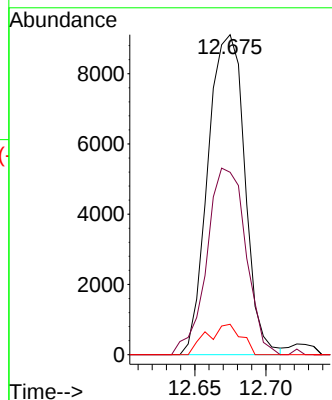
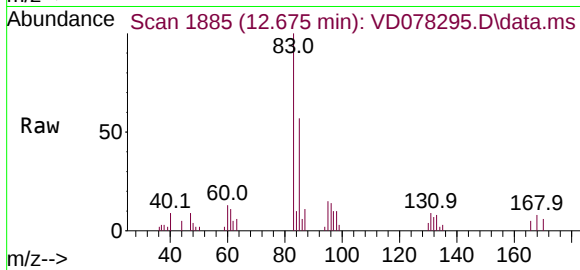




#57
1,1,2,2-Tetrachloroethane
Concen: 5.487 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

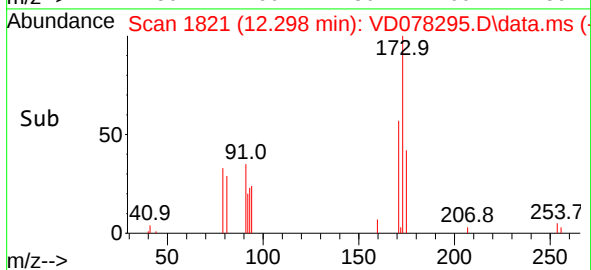
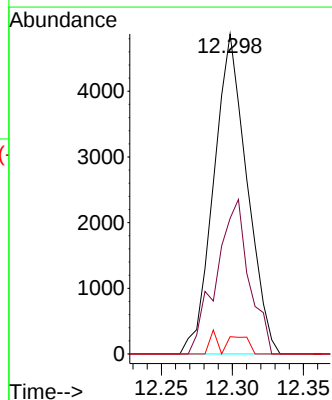
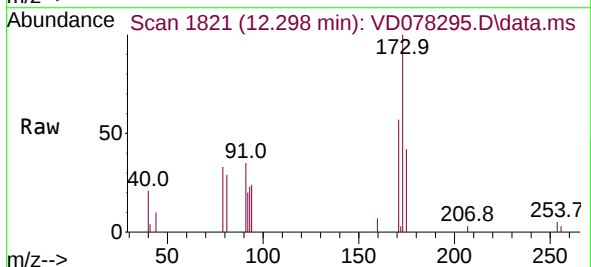
Instrument :
MSVOA_D
ClientSampleId :

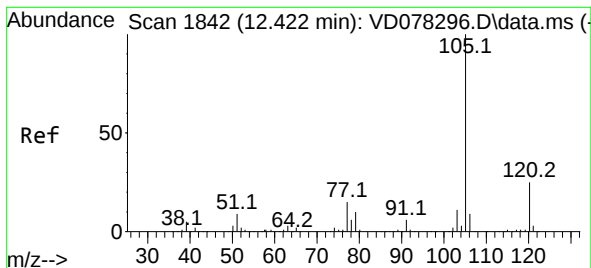
Tgt Ion: 83 Resp: 16430
Ion Ratio Lower Upper
83 100
85 57.0 42.6 79.0
131 9.5 6.0 9.0#



#59
Bromoform
Concen: 5.113 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

Tgt Ion:173 Resp: 7924
Ion Ratio Lower Upper
173 100
175 47.6 40.2 60.4
254 3.4 6.6 9.8#





#60

Isopropylbenzene

Concen: 4.246 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD078295.D

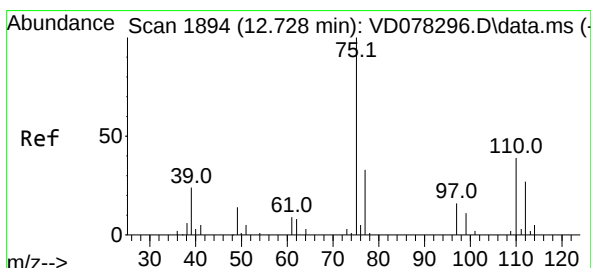
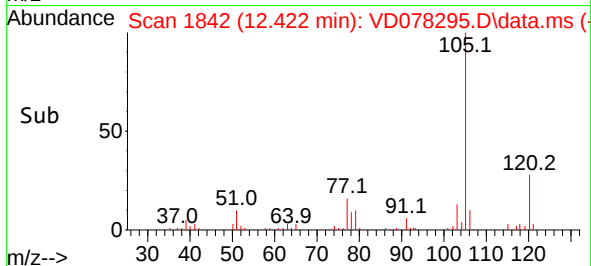
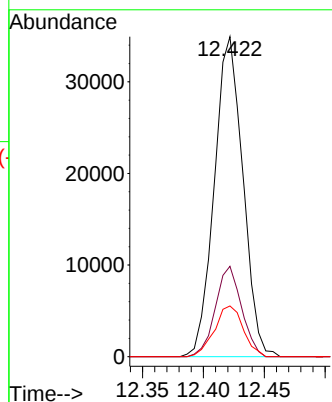
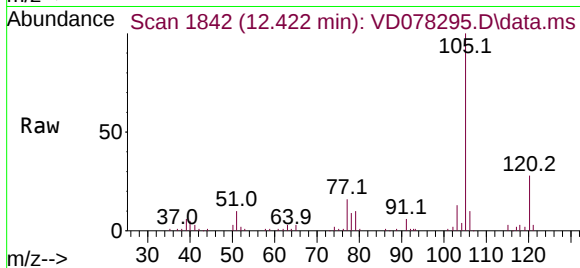
Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	105	Resp:	56970
Ion Ratio	Lower	Upper	
105	100		
120	25.9	20.4	30.6
77	16.0	12.4	18.6



#61

1,2,3-Trichloropropane

Concen: 5.809 ug/L

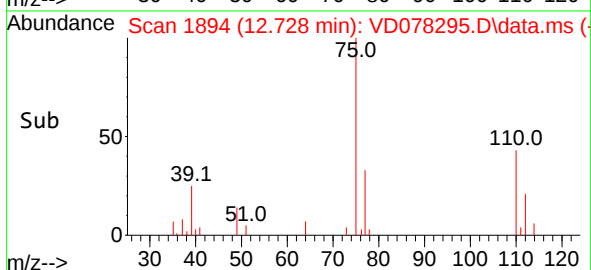
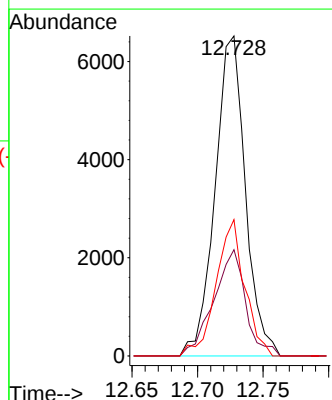
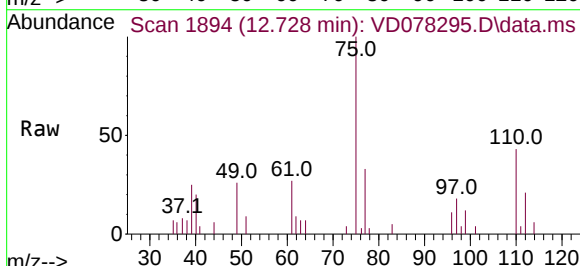
RT: 12.728 min Scan# 1894

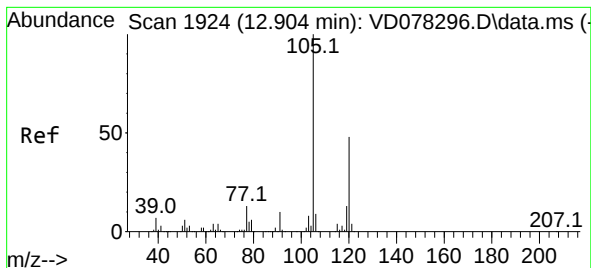
Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Tgt Ion:	75	Resp:	10477
Ion Ratio	Lower	Upper	
75	100		
77	34.9	26.5	39.7
110	40.3	31.8	47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.223 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

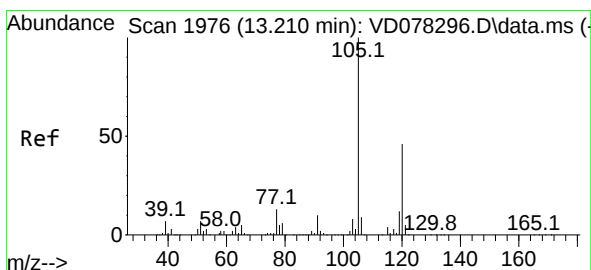
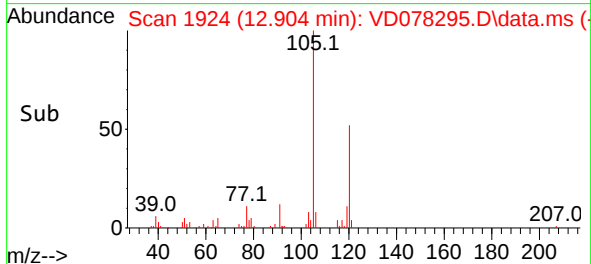
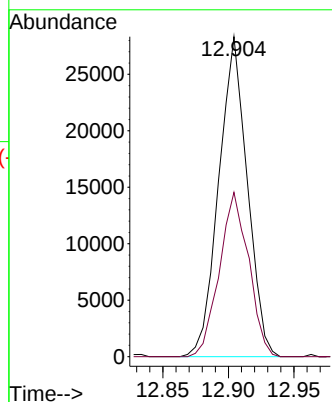
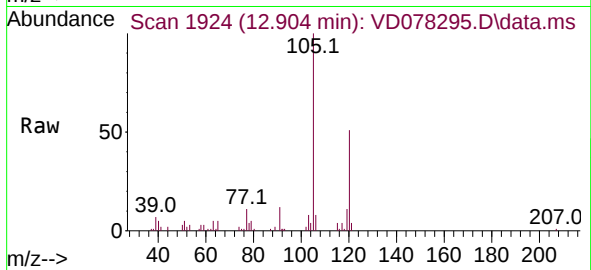
ClientSampleId :

Tgt Ion:105 Resp: 42791

Ion Ratio Lower Upper

105 100

120 52.7 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 4.137 ug/L

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD078295.D

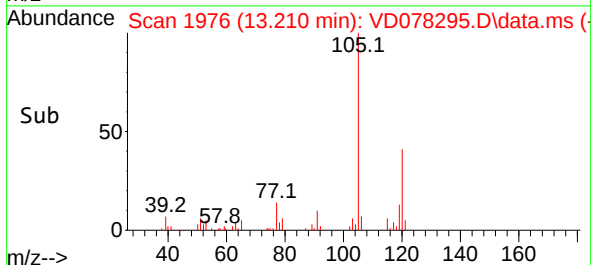
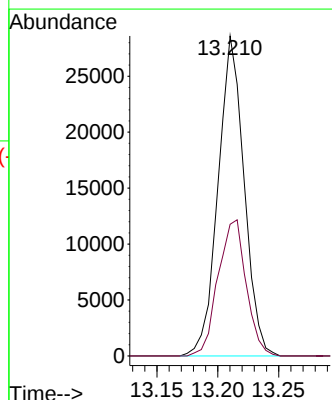
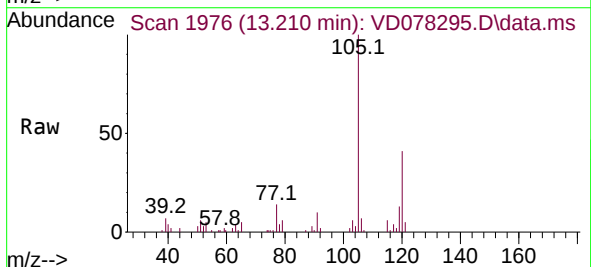
Acq: 31 Jan 2024 17:13

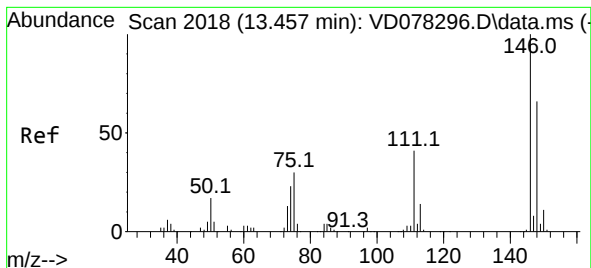
Tgt Ion:105 Resp: 42479

Ion Ratio Lower Upper

105 100

120 45.9 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 4.587 ug/L

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :

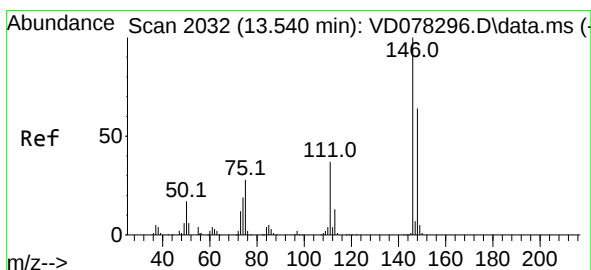
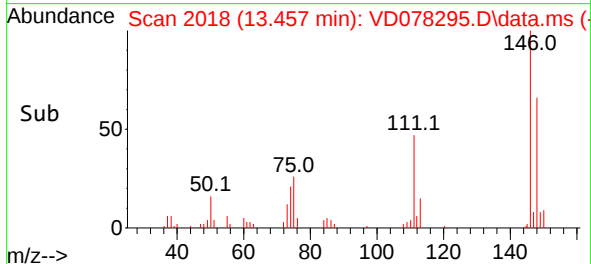
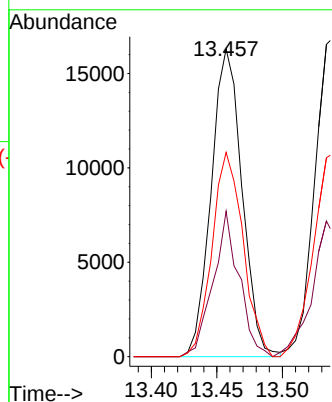
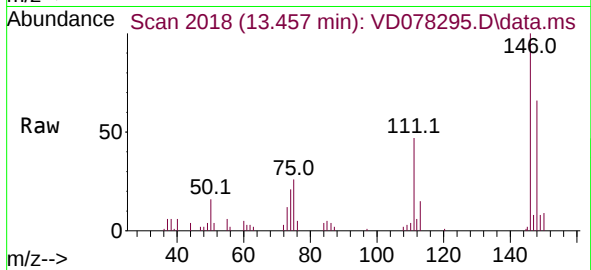
Tgt Ion:146 Resp: 26704

Ion Ratio Lower Upper

146 100

111 47.2 28.6 53.0

148 66.4 46.5 86.3



#65

1,4-Dichlorobenzene

Concen: 4.785 ug/L

RT: 13.539 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

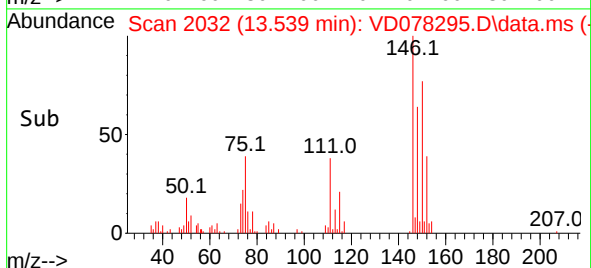
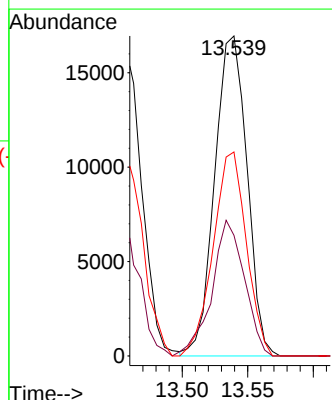
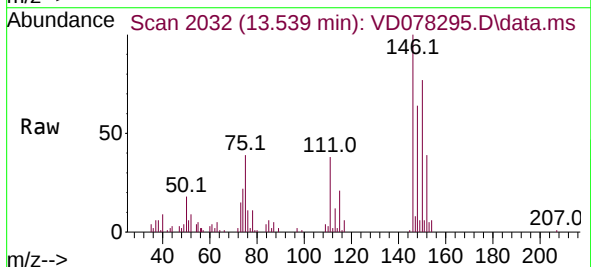
Tgt Ion:146 Resp: 29093

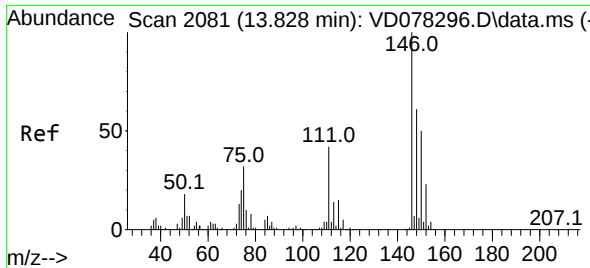
Ion Ratio Lower Upper

146 100

111 37.7 26.4 49.0

148 63.8 44.5 82.7

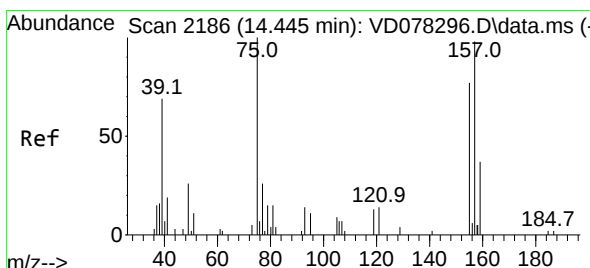
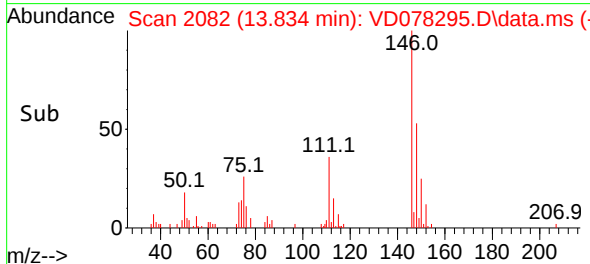
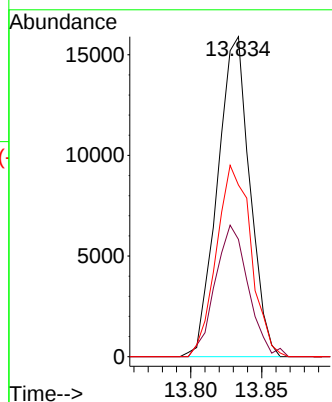
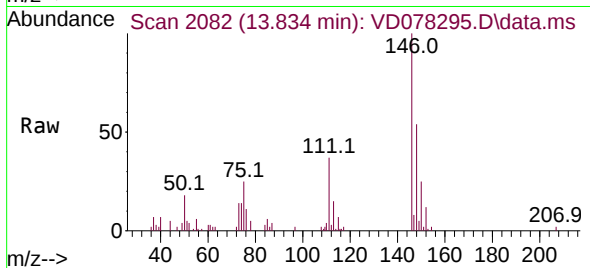




#67
1,2-Dichlorobenzene
Concen: 4.761 ug/L
RT: 13.834 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

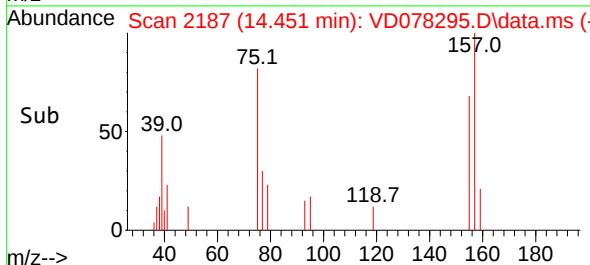
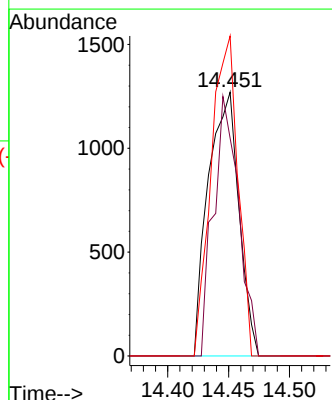
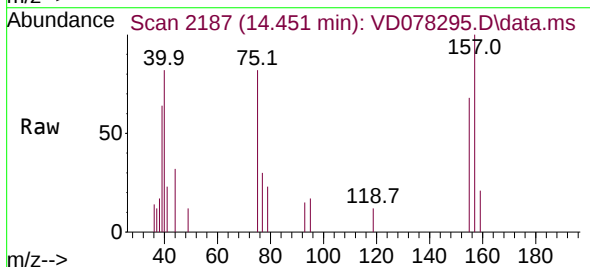
Instrument :
MSVOA_D
ClientSampleId :

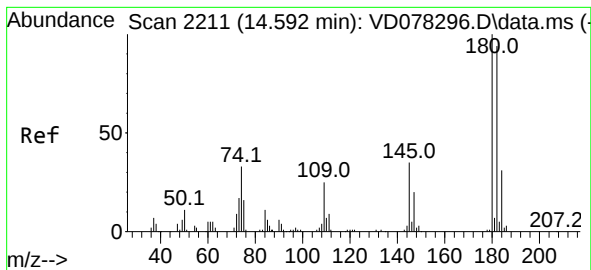
Tgt Ion:146 Resp: 25245
Ion Ratio Lower Upper
146 100
111 36.6 33.6 50.4
148 53.6 48.4 72.6



#68
1,2-Dibromo-3-chloropropane
Concen: 5.360 ug/L
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD078295.D
Acq: 31 Jan 2024 17:13

Tgt Ion: 75 Resp: 2217
Ion Ratio Lower Upper
75 100
155 82.5 61.6 92.4
157 121.2 78.1 117.1#





#69

1,3,5-Trichlorobenzene

Concen: 3.939 ug/L

RT: 14.592 min Scan# 2211

Delta R.T. -0.000 min

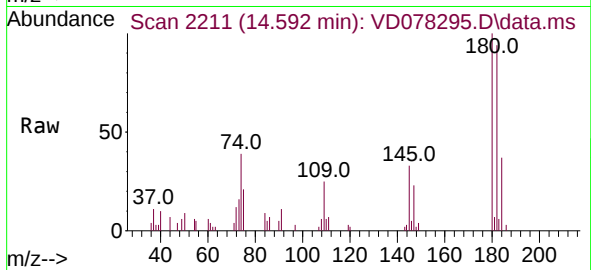
Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:180 Resp: 15350

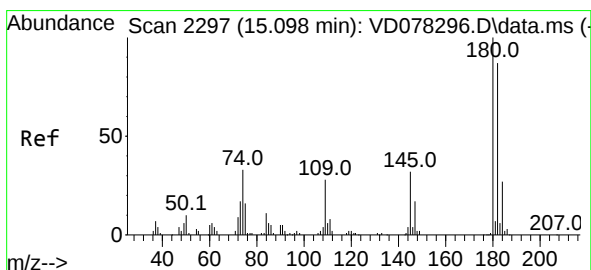
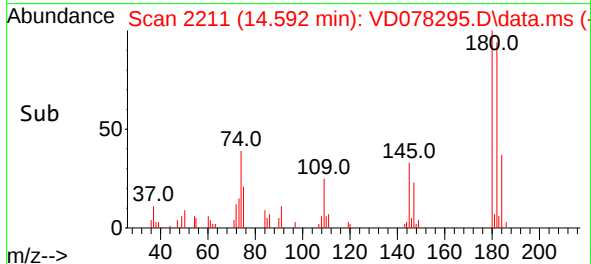
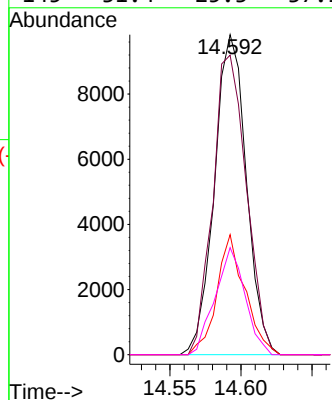
Ion Ratio Lower Upper

180 100

182 98.3 75.6 113.4

184 33.3 23.2 34.8

145 31.4 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 4.224 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

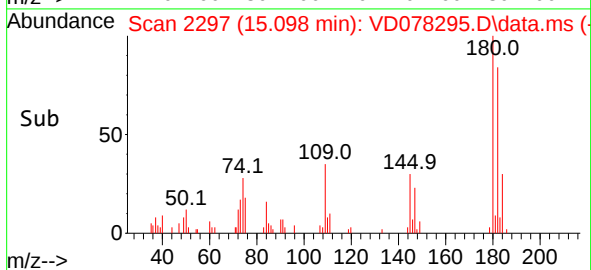
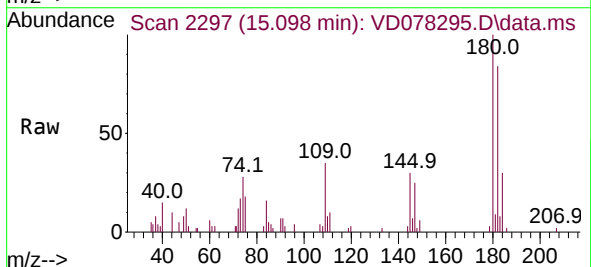
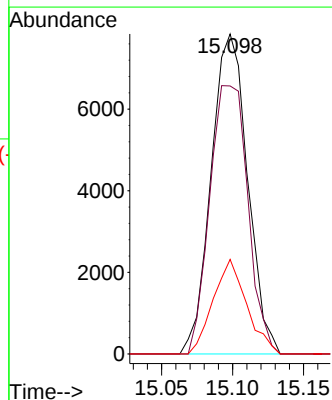
Tgt Ion:180 Resp: 13999

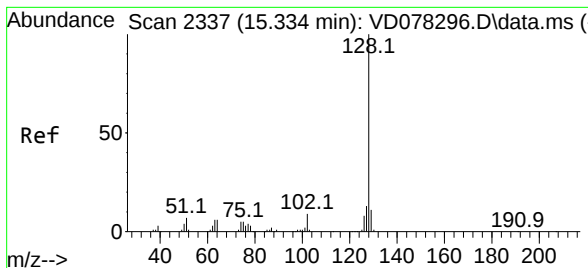
Ion Ratio Lower Upper

180 100

182 87.7 76.2 114.4

145 27.2 25.0 37.6





#71

Naphthalene

Concen: 4.562 ug/L

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

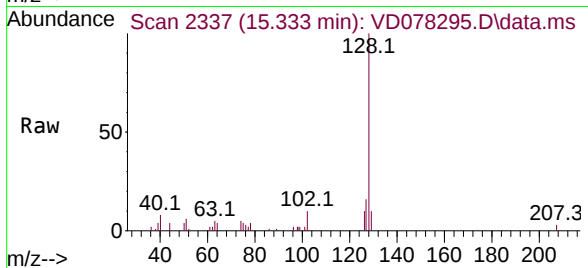
Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

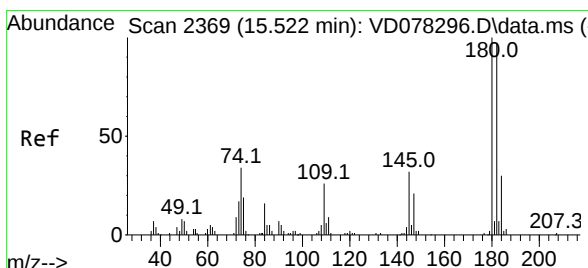
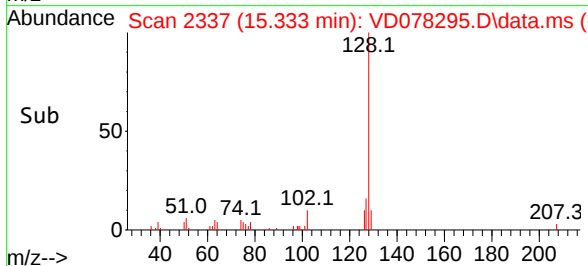
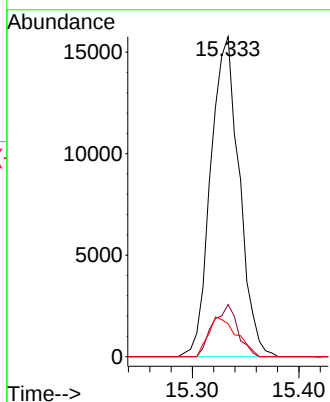
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	128	Resp:	29371
Ion Ratio	Lower	Upper	
128	100		
127	14.1	11.0	16.4
129	12.3	8.6	12.8



#72

1,2,3-Trichlorobenzene

Concen: 4.257 ug/L

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD078295.D

Acq: 31 Jan 2024 17:13

Tgt Ion:	180	Resp:	12584
Ion Ratio	Lower	Upper	
180	100		
182	100.1	75.4	113.0
145	22.1	26.8	40.2#

