

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122921\
 Data File : VD071525.D
 Acq On : 29 Dec 2021 13:33
 Operator : VA/SY
 Sample : M5230-07
 Misc : 3.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PSC164718

Quant Time: Dec 29 15:28:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	348463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	609759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	583004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	264598	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216654	46.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.620%
35) Dibromofluoromethane	7.909	113	194800	47.535	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.060%
50) Toluene-d8	10.332	98	767952	49.588	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.180%
62) 4-Bromofluorobenzene	12.626	95	269934	49.051	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.100%

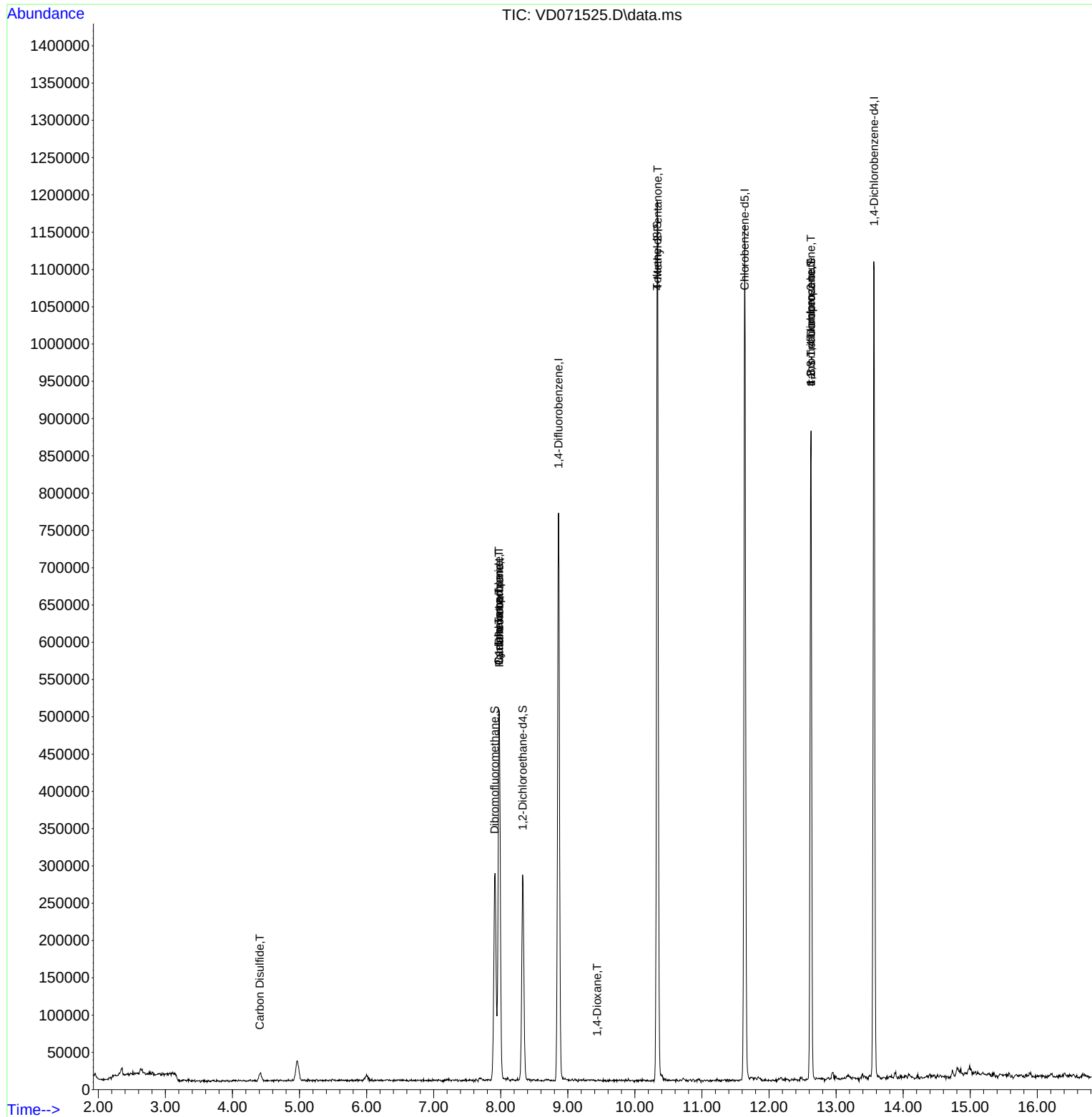
Target Compounds					Qvalue
11) Tert butyl alcohol	5.191	59	134	Below Cal	# 20
17) Carbon Disulfide	4.409	76	21259	1.797 ug/l	# 91
20) Methylene Chloride	4.956	84	18143	Below Cal	95
31) Cyclohexane	7.973	56	9967	1.268 ug/l	# 14
36) 1,1-Dichloropropene	7.973	75	33537	5.122 ug/l	# 48
38) Carbon Tetrachloride	7.973	117	37639	5.827 ug/l	# 19
49) 1,4-Dioxane	9.438	88	57	1.999 ug/l	# 23
51) 4-Methyl-2-Pentanone	10.338	43	4688	1.485 ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	154376	49.103 ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	154376	138.743 ug/l	# 18

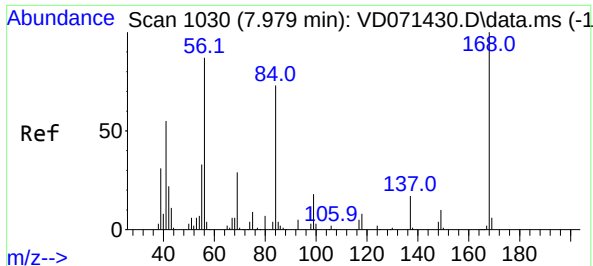
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
Response via : Initial Calibration

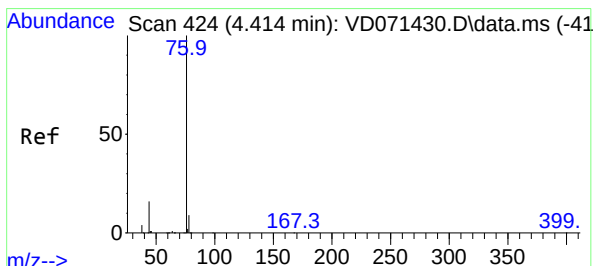
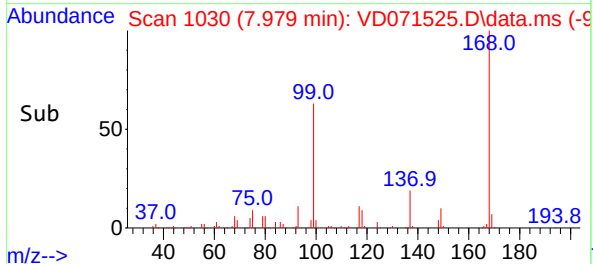
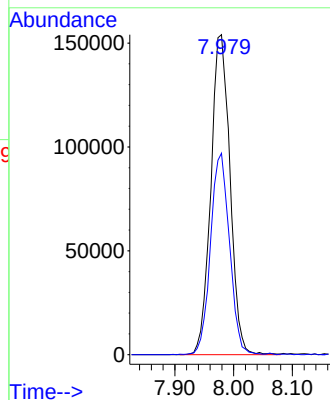
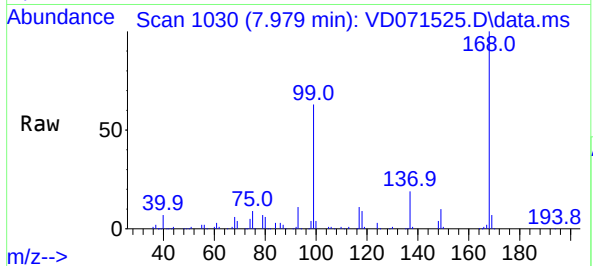




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

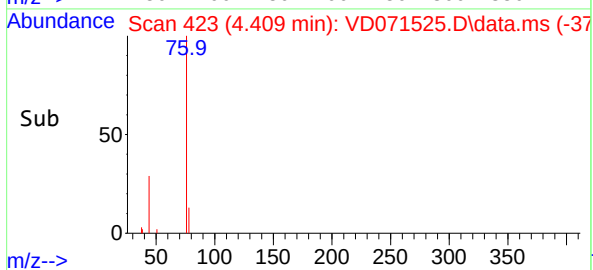
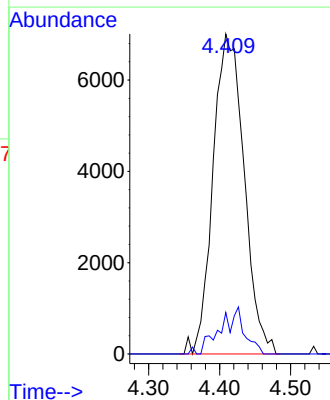
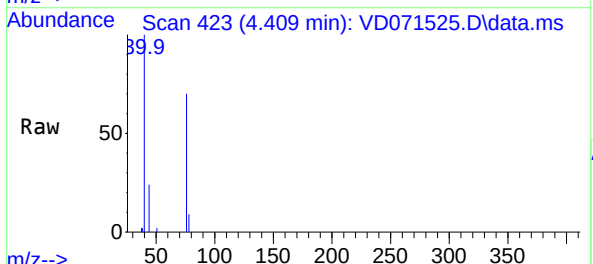
Instrument :
MSVOA_D
ClientSampleId :
PSC164718

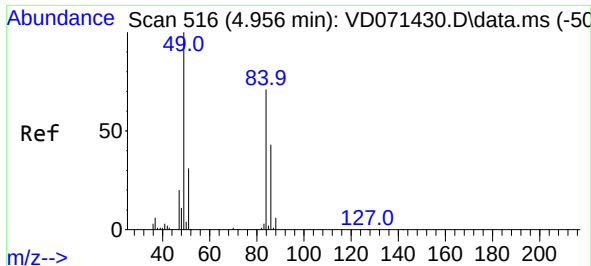
Tgt Ion:168 Resp: 348463
Ion Ratio Lower Upper
168 100
99 62.8 46.6 69.8



#17
Carbon Disulfide
Concen: 1.797 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

Tgt Ion: 76 Resp: 21259
Ion Ratio Lower Upper
76 100
78 12.9 7.8 11.8#

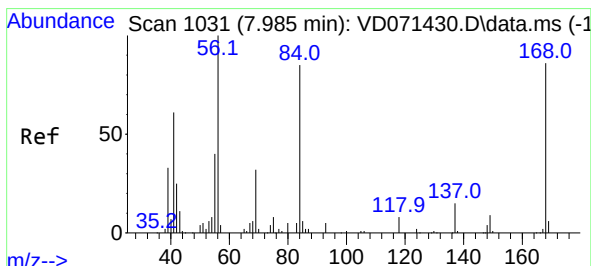
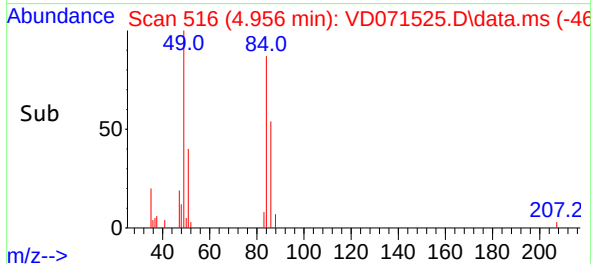
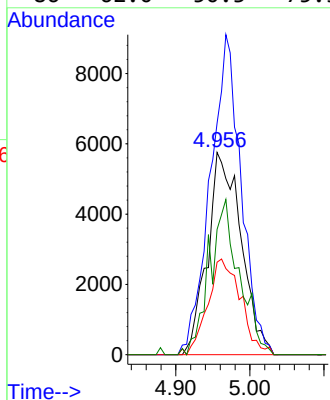
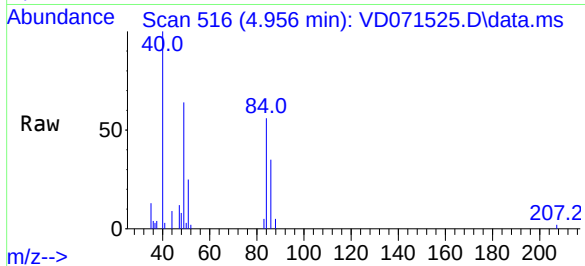




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

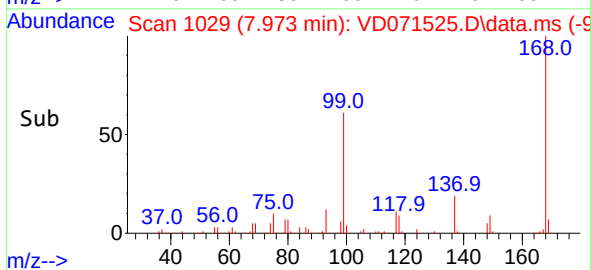
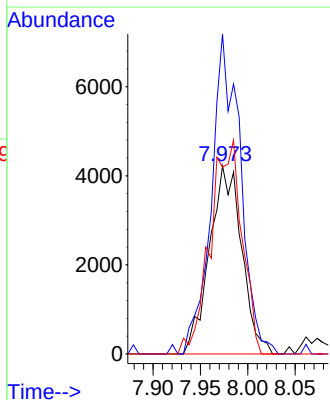
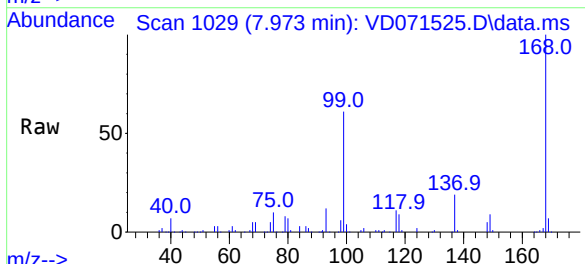
Instrument :
MSVOA_D
ClientSampleId :
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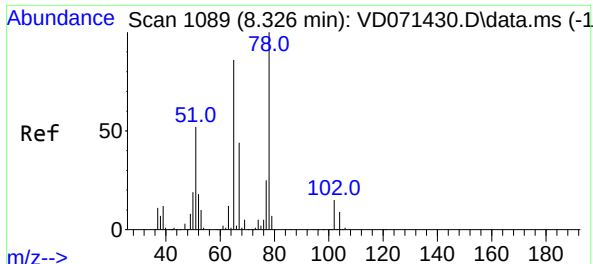
Tgt Ion:	84	Resp:	18143
Ion	Ratio	Lower	Upper
84	100		
49	114.5	95.8	143.6
51	45.7	30.9	46.3
86	62.0	50.3	75.5



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

Tgt Ion:	56	Resp:	9967
Ion	Ratio	Lower	Upper
56	100		
69	170.1	25.9	38.9#
84	99.4	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 46.815 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071525.D

Acq: 29 Dec 2021 13:33

Instrument :

MSVOA_D

ClientSampleId :

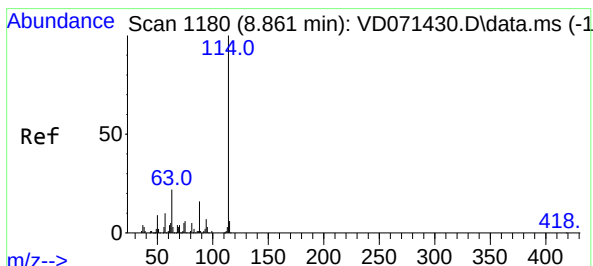
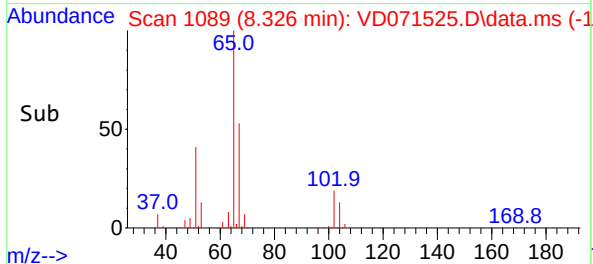
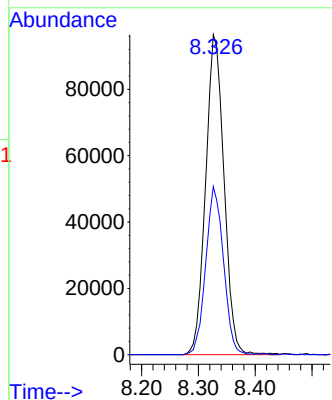
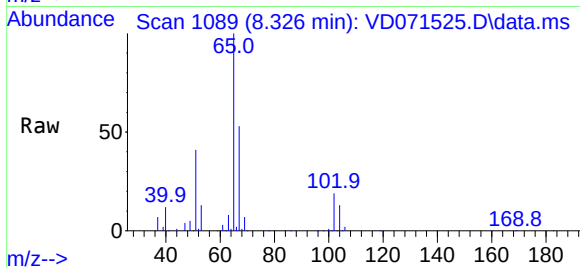
PSC164718

Tgt Ion: 65 Resp: 216654

Ion Ratio Lower Upper

65 100

67 50.7 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071525.D

Acq: 29 Dec 2021 13:33

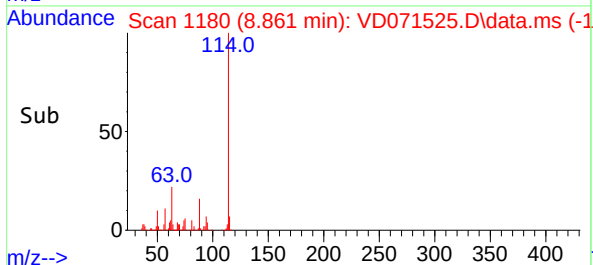
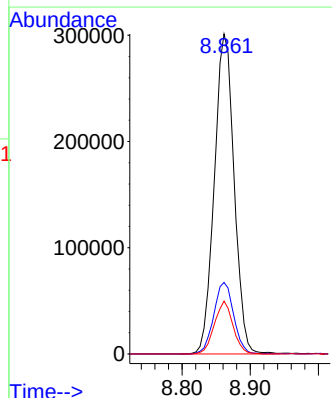
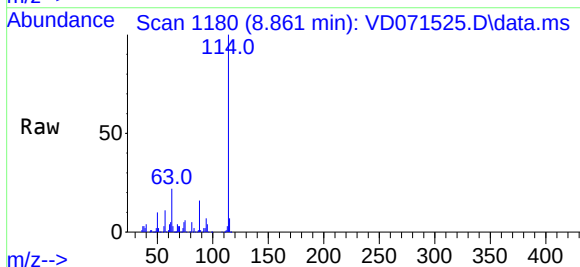
Tgt Ion: 114 Resp: 609759

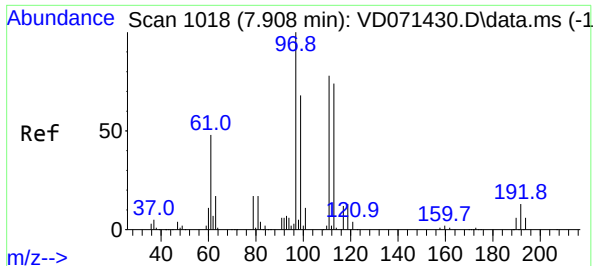
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 16.5 0.0 32.8

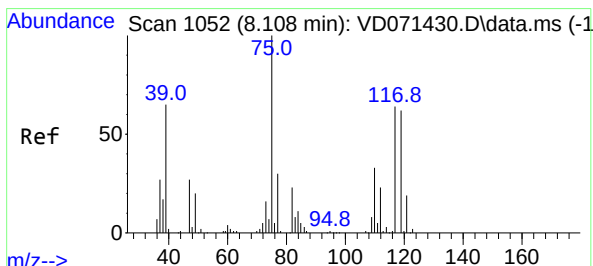
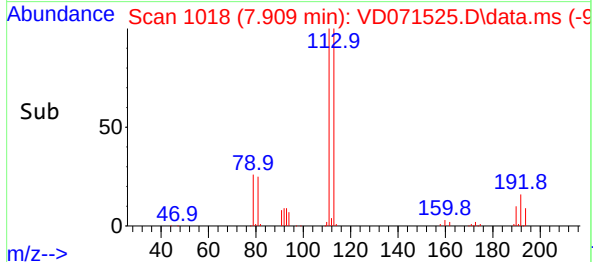
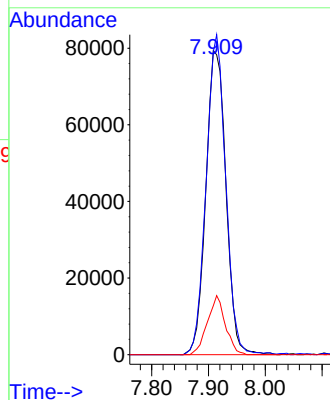
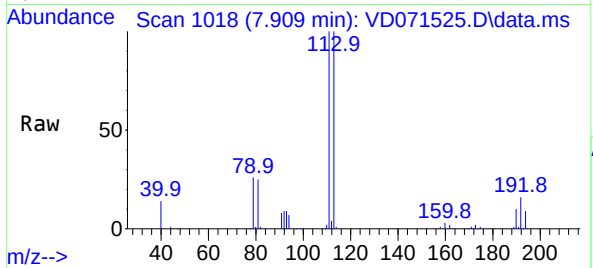




#35
Dibromofluoromethane
Concen: 47.535 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.001 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

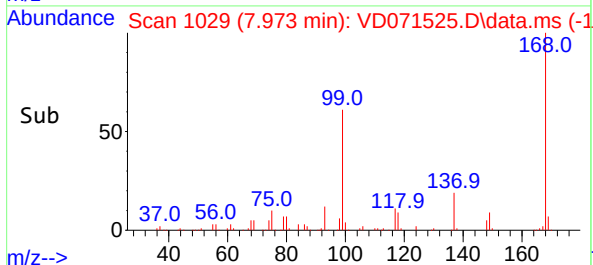
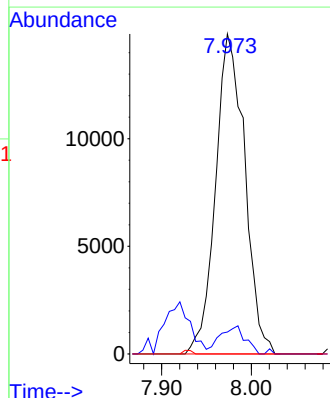
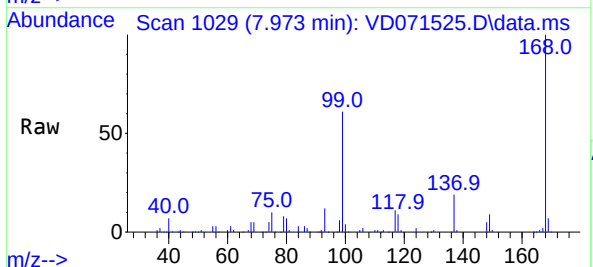
Instrument :
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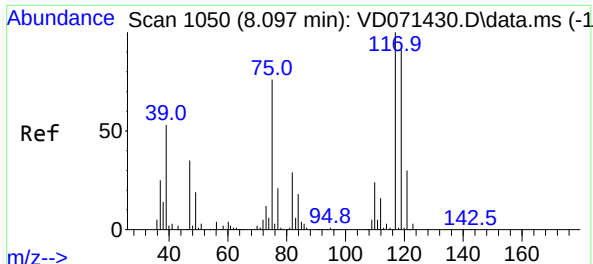
Tgt Ion:113 Resp: 194800
Ion Ratio Lower Upper
113 100
111 102.3 82.0 123.0
192 17.4 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.122 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

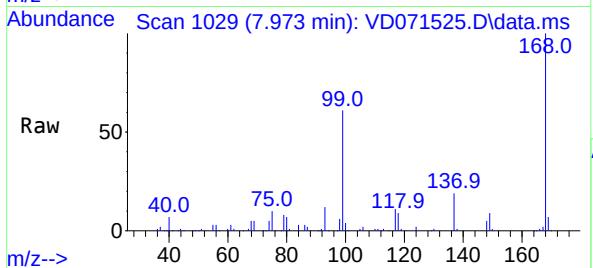
Tgt Ion: 75 Resp: 33537
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.4#
77 0.0 24.8 37.2#



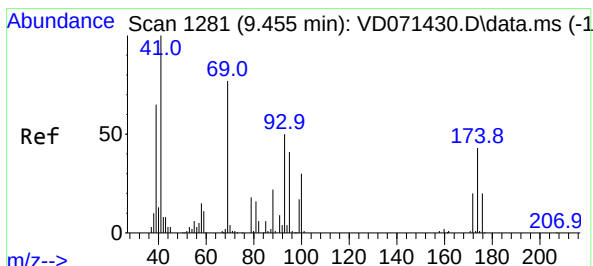
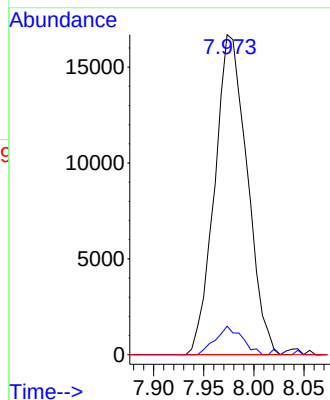
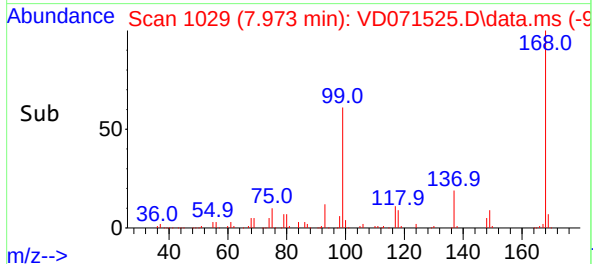


#38
Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

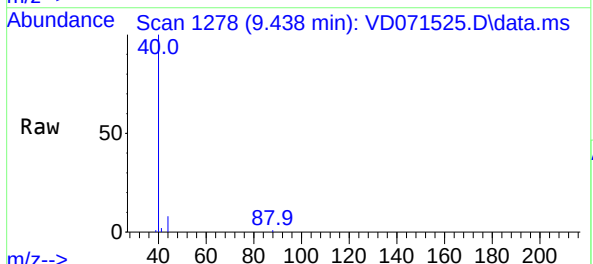
Instrument :
MSVOA_D
ClientSampleId :
PSC164718



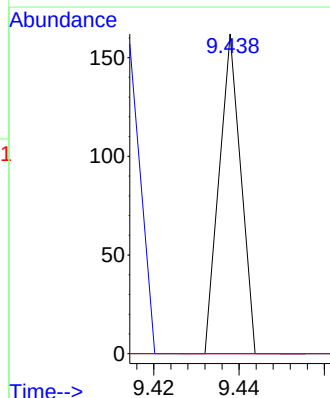
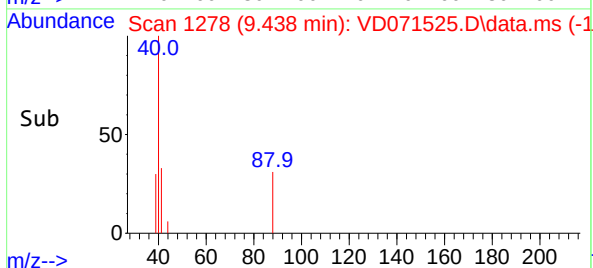
Tgt Ion:117 Resp: 37639
Ion Ratio Lower Upper
117 100
119 8.9 75.8 113.6#
121 0.0 23.6 35.4#

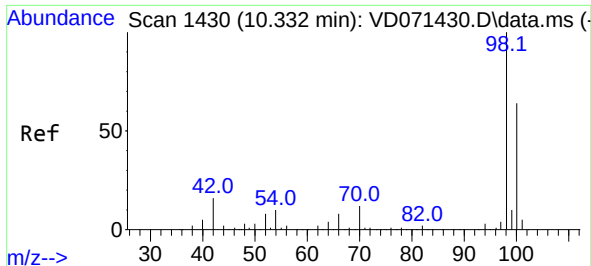


#49
1,4-Dioxane
Concen: 1.999 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.017 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33



Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#

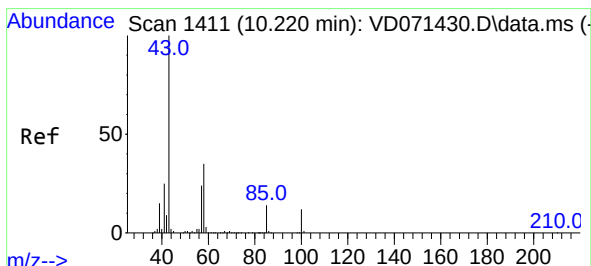
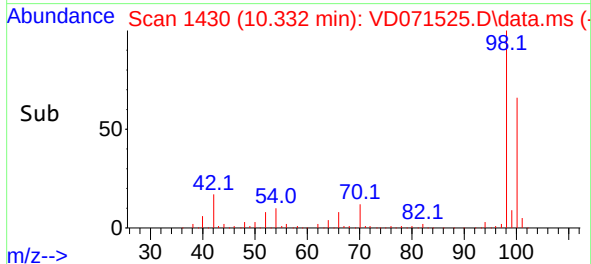
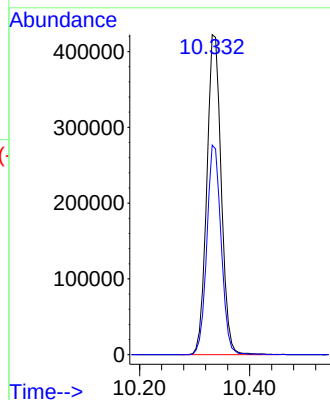
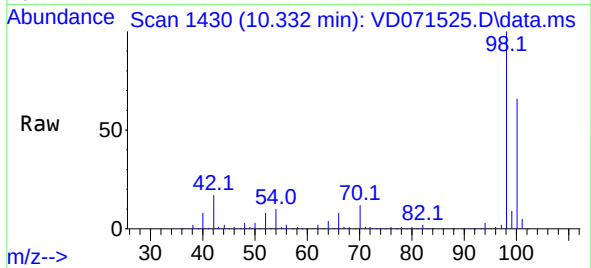




#50
Toluene-d8
Concen: 49.588 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

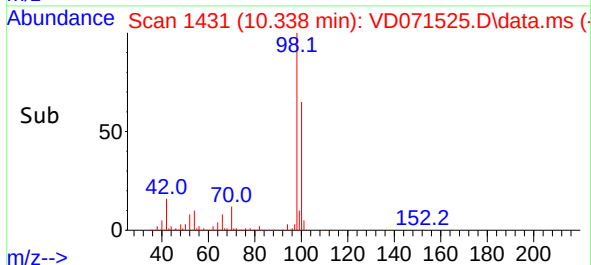
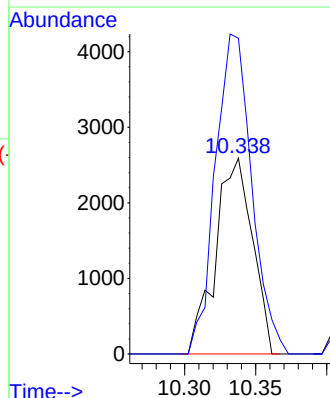
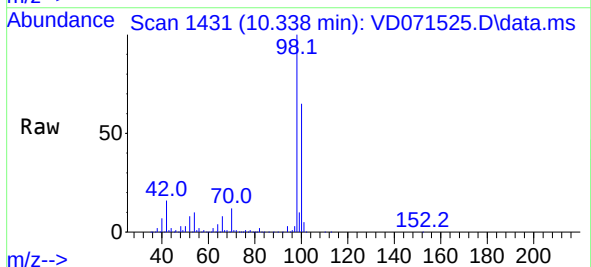
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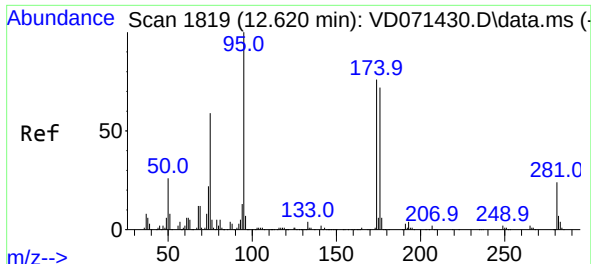
Tgt Ion: 98 Resp: 767952
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.485 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.118 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

Tgt Ion: 43 Resp: 4688
Ion Ratio Lower Upper
43 100
58 161.1 33.1 49.7#

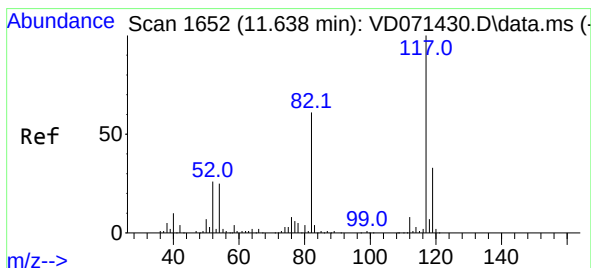
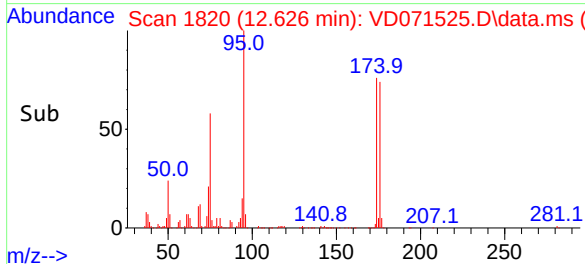
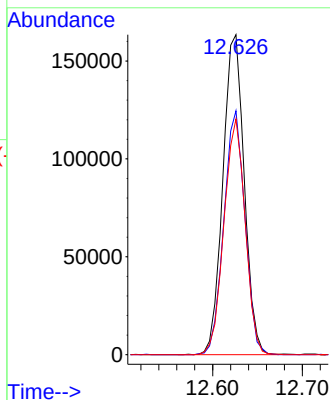
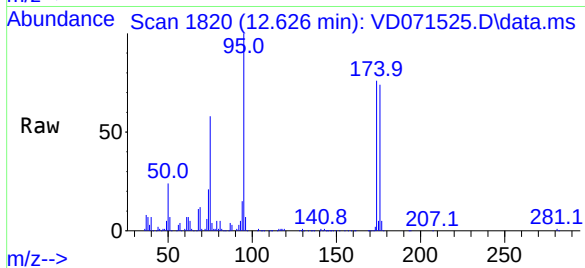




#62
4-Bromofluorobenzene
Concen: 49.051 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

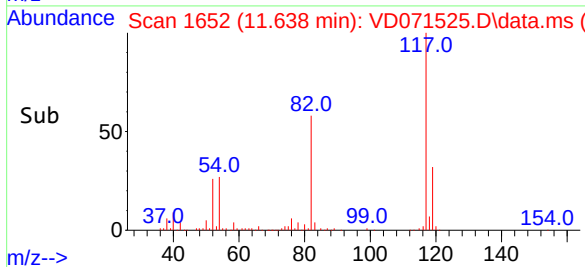
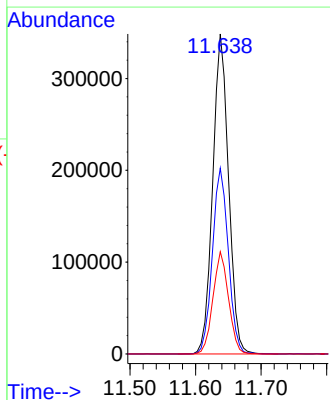
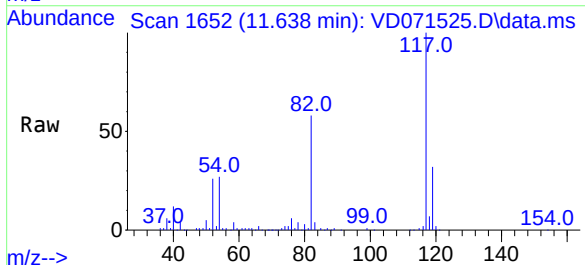
Instrument :
MSVOA_D
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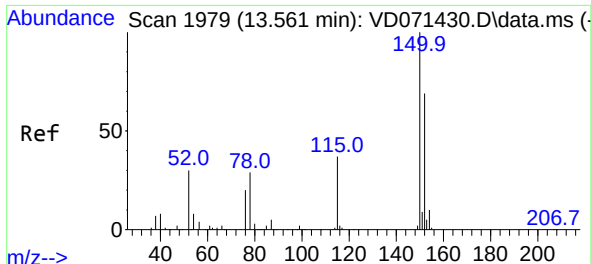
Tgt Ion: 95 Resp: 269934
Ion Ratio Lower Upper
95 100
174 75.3 0.0 159.4
176 73.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

Tgt Ion: 117 Resp: 583004
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 32.0 26.2 39.4

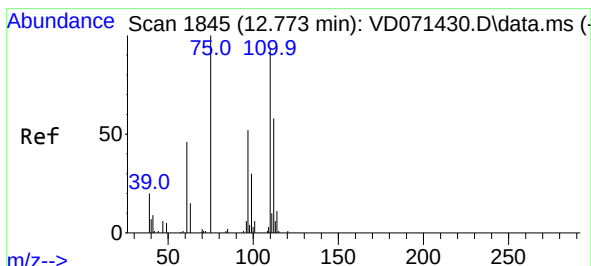
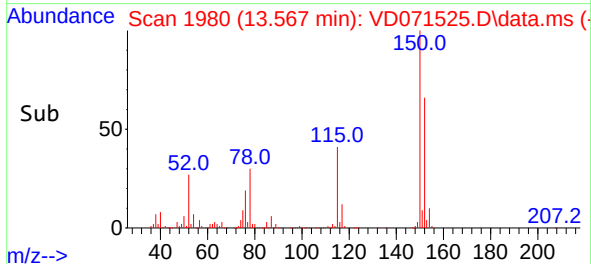
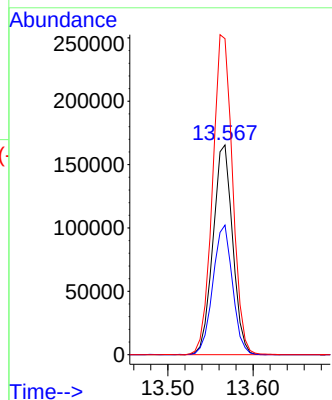
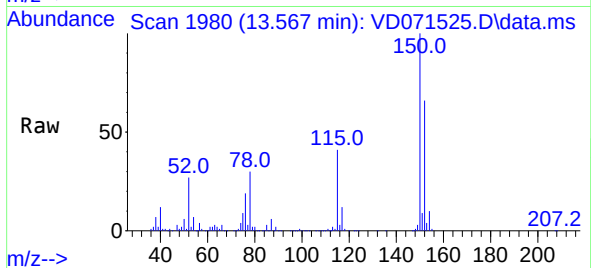




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

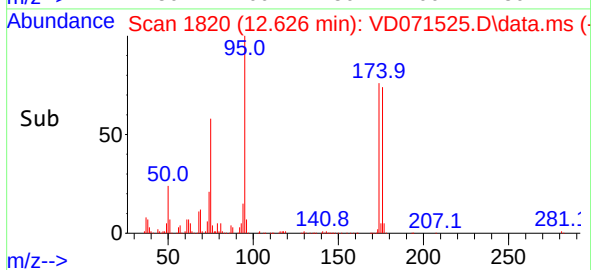
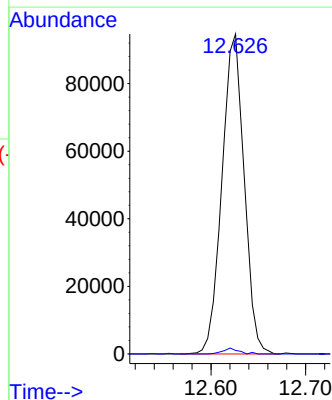
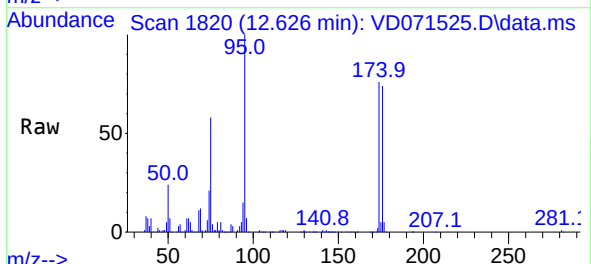
Instrument :
MSVOA_D
ClientSampleId :
PSC164718

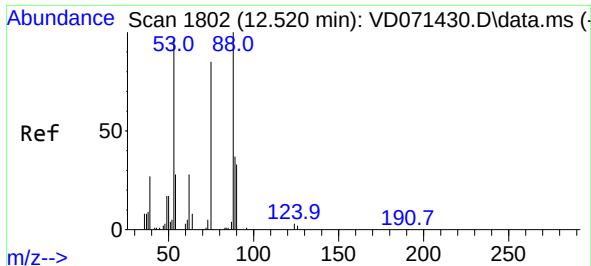
Tgt Ion:152 Resp: 264598
Ion Ratio Lower Upper
152 100
115 62.0 29.8 89.3
150 155.3 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 49.103 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

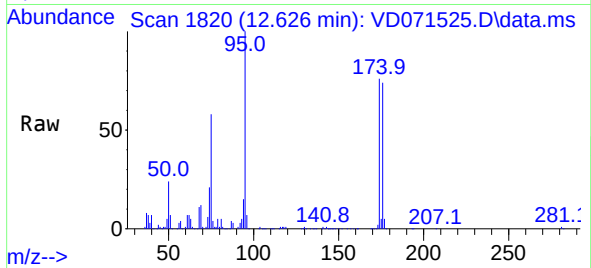
Tgt Ion: 75 Resp: 154376
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 138.743 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071525.D
Acq: 29 Dec 2021 13:33

Instrument :
MSVOA_D
ClientSampleId :
PSC164718



Tgt Ion: 75 Resp: 154376
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

