

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073281.D
 Acq On : 23 May 2022 14:19
 Operator : VA/SY
 Sample : N2920-26
 Misc : 4.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P028-SS003-0006-01

Quant Time: May 24 03:26:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

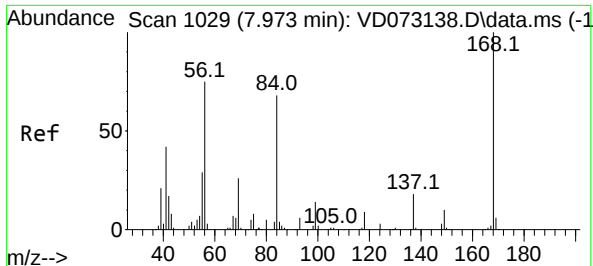
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	341685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	595642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	601682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	276679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175509	46.479	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.960%
35) Dibromofluoromethane	7.908	113	196131	49.901	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.800%
50) Toluene-d8	10.332	98	737212	50.882	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.760%
62) 4-Bromofluorobenzene	12.620	95	284282	55.910	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	111.820%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	710	Below Cal	#	80
11) Tert butyl alcohol	5.179	59	10617	18.122	ug/l #	74
16) Acetone	4.144	43	4524	6.917	ug/l	92
20) Methylene Chloride	4.944	84	5850	Below Cal	#	63
25) 2-Butanone	7.185	43	2617	2.735	ug/l #	52
31) Cyclohexane	7.973	56	8330	1.262	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	27528	4.657	ug/l #	52
37) Ethyl Acetate	7.185	43	2617	1.121	ug/l #	22
38) Carbon Tetrachloride	7.973	117	35028	5.846	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	143247	52.767	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	143247	126.678	ug/l #	7
95) Naphthalene	15.373	128	681	3.611	ug/l #	70

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

Quant Time: May 24 03:26:35 2022
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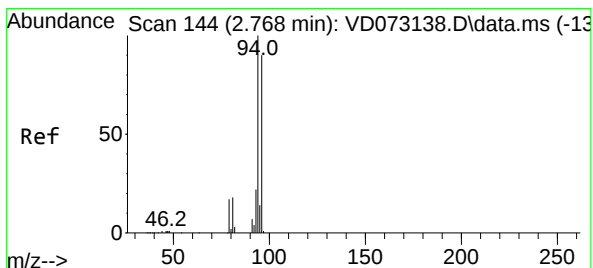
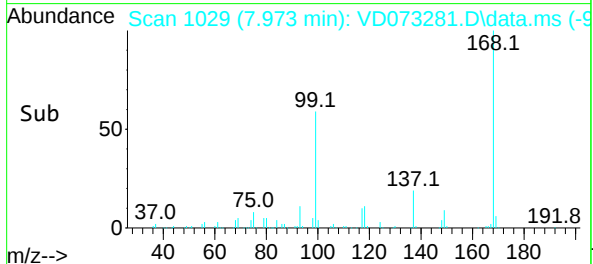
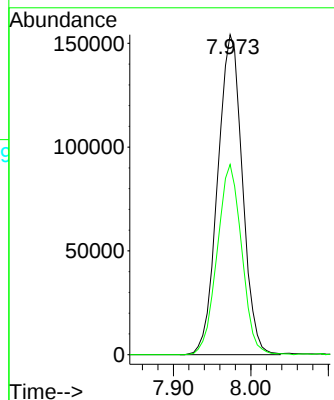
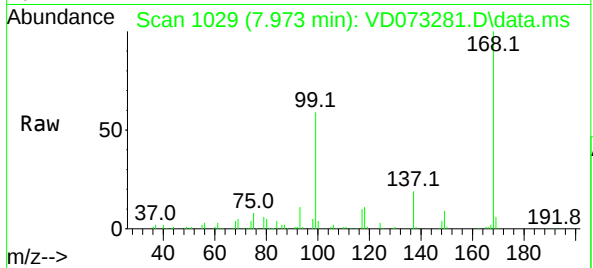




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

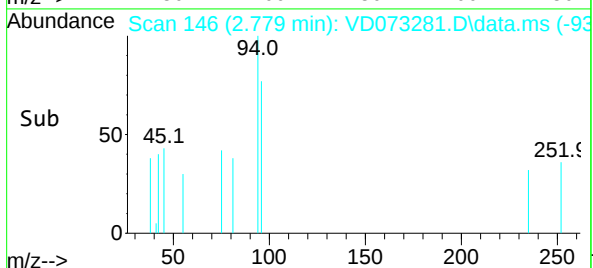
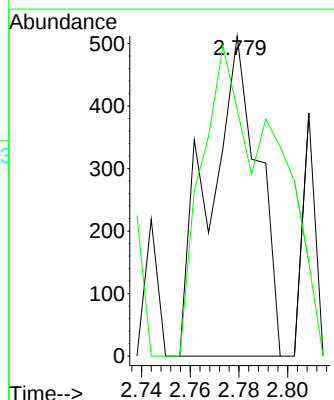
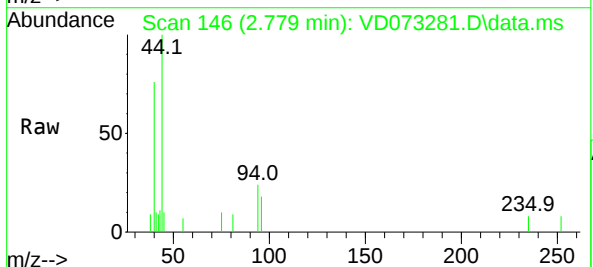
Instrument :
MSVOA_D
ClientSampleId :
P028-SS003-0006-01

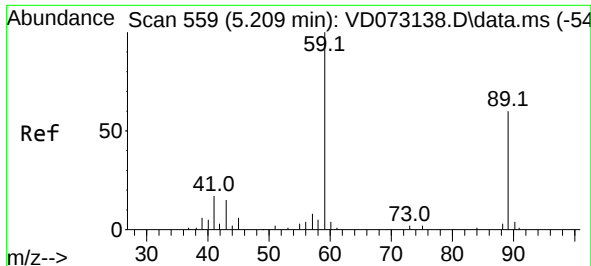
Tgt Ion:168 Resp: 341685
Ion Ratio Lower Upper
168 100
99 59.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

Tgt Ion: 94 Resp: 710
Ion Ratio Lower Upper
94 100
96 77.1 77.6 116.4#

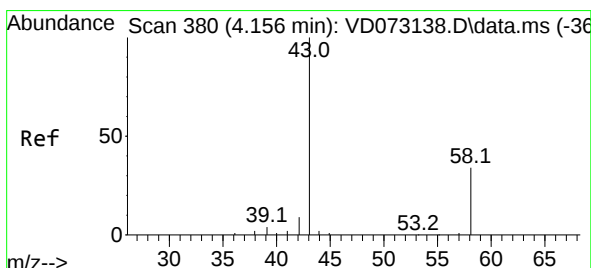
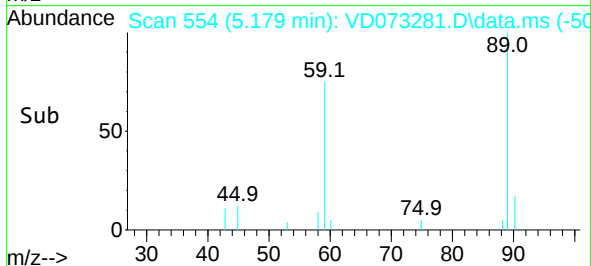
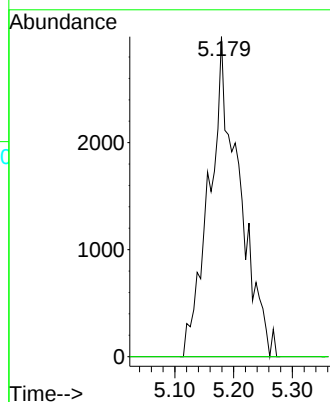
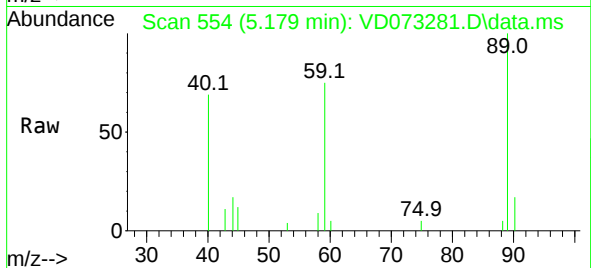




#11
Tert butyl alcohol
Concen: 18.122 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

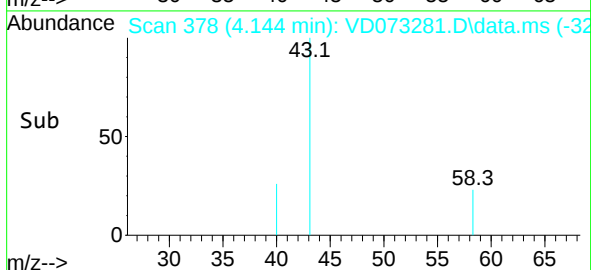
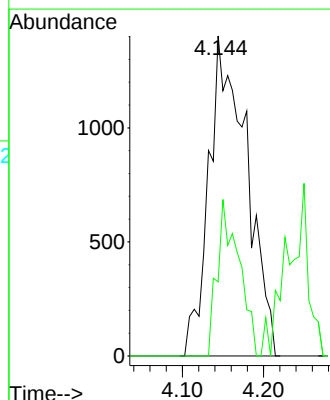
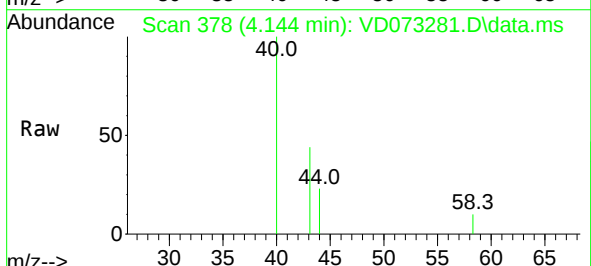
Instrument :
MSVOA_D
ClientSampleId :
P028-SS003-0006-01

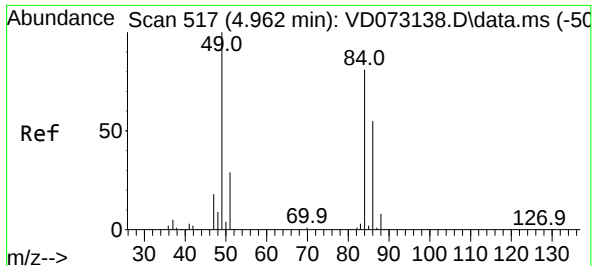
Tgt Ion: 59 Resp: 10617
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 6.917 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

Tgt Ion: 43 Resp: 4524
Ion Ratio Lower Upper
43 100
58 23.2 22.1 33.1





#20

Methylene Chloride

Concen: Below Cal

RT: 4.944 min Scan# 517

Delta R.T. -0.018 min

Lab File: VD073281.D

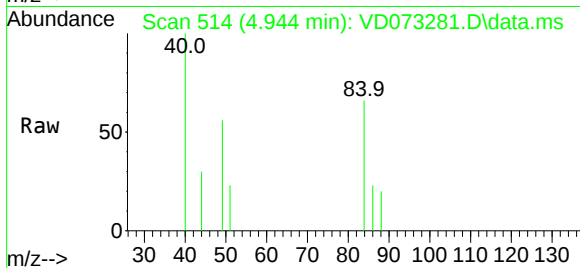
Acq: 23 May 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

P028-SS003-0006-01



Tgt Ion: 84 Resp: 5850

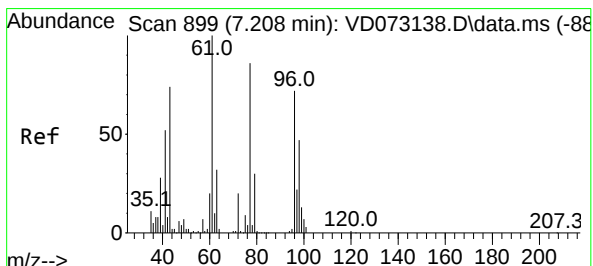
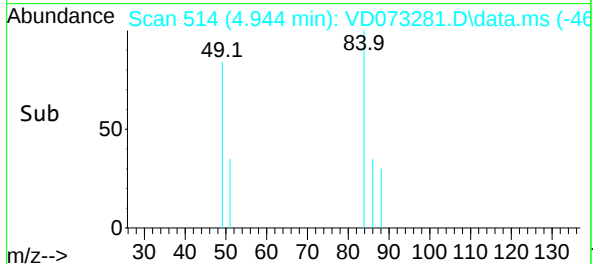
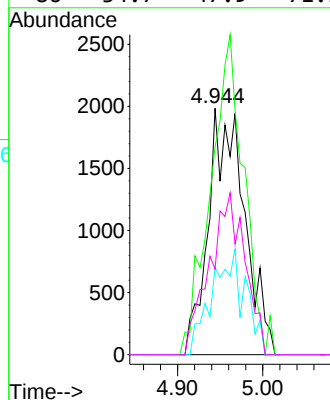
Ion Ratio Lower Upper

84 100

49 84.4 112.8 169.2#

51 35.3 32.6 48.8

86 34.7 47.9 71.9#



#25

2-Butanone

Concen: 2.735 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.023 min

Lab File: VD073281.D

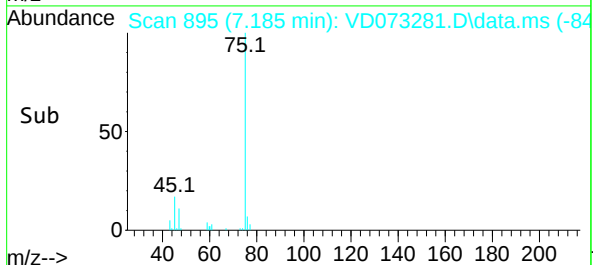
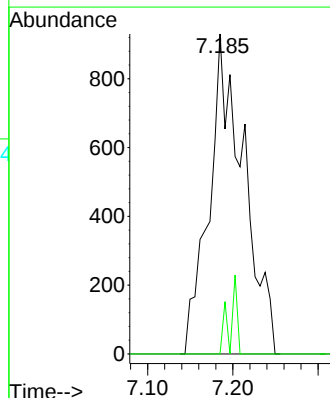
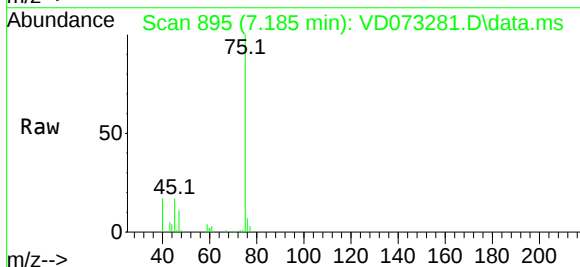
Acq: 23 May 2022 14:19

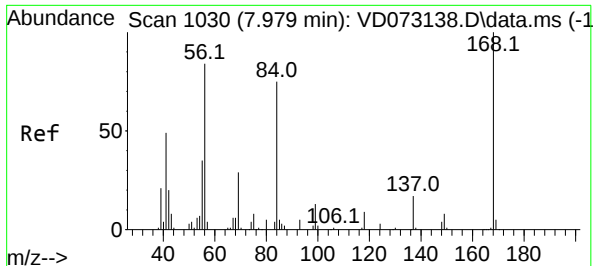
Tgt Ion: 43 Resp: 2617

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.262 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073281.D

Acq: 23 May 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

P028-SS003-0006-01

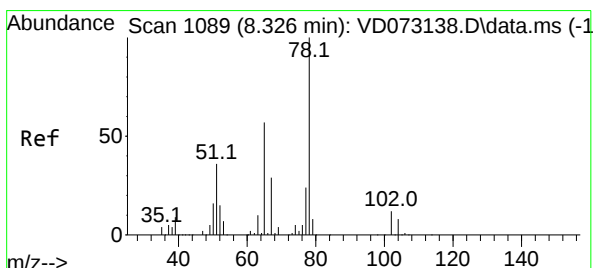
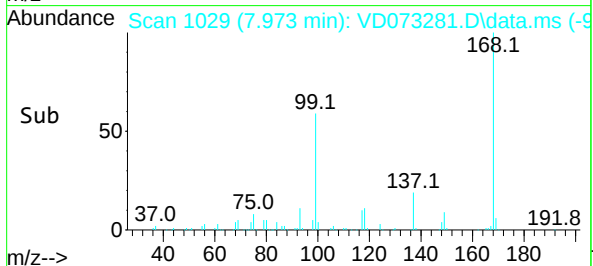
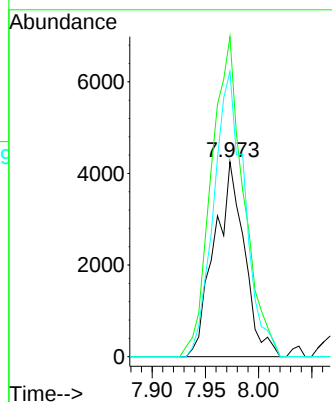
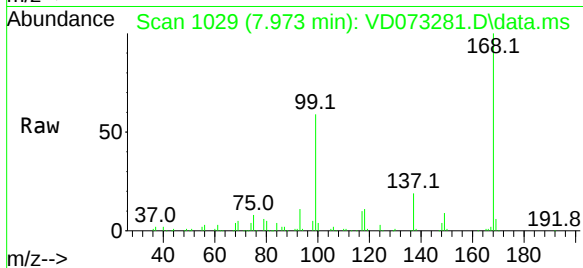
Tgt Ion: 56 Resp: 8330

Ion Ratio Lower Upper

56 100

69 164.2 25.4 38.2#

84 146.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 46.479 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073281.D

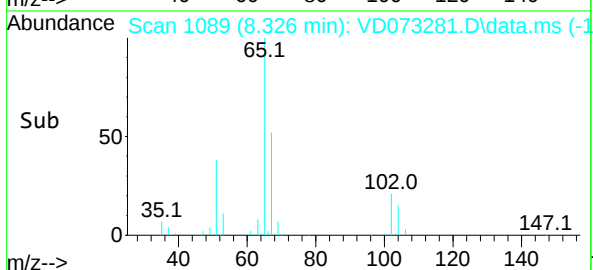
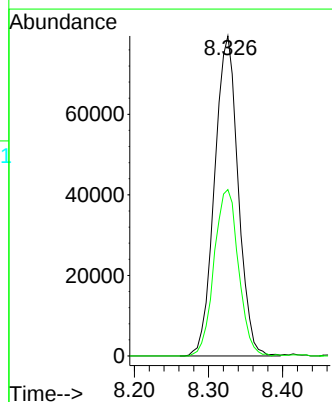
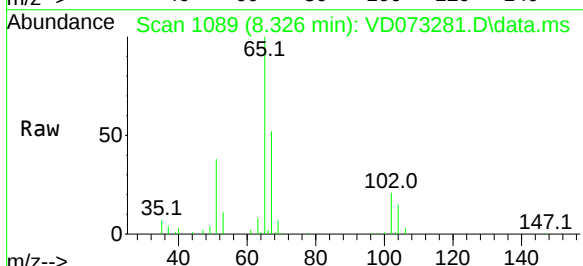
Acq: 23 May 2022 14:19

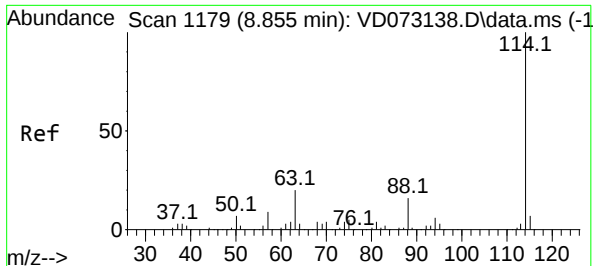
Tgt Ion: 65 Resp: 175509

Ion Ratio Lower Upper

65 100

67 53.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073281.D

Acq: 23 May 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

P028-SS003-0006-01

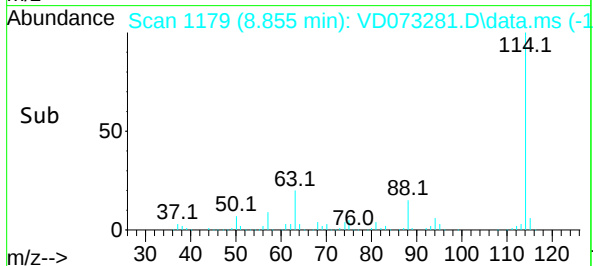
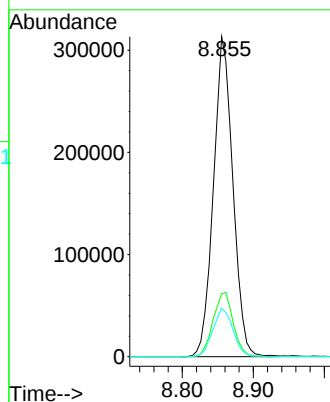
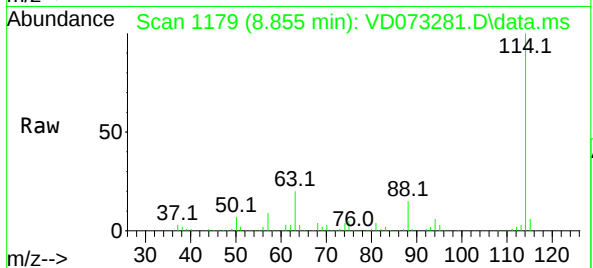
Tgt Ion:114 Resp: 595642

Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.901 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073281.D

Acq: 23 May 2022 14:19

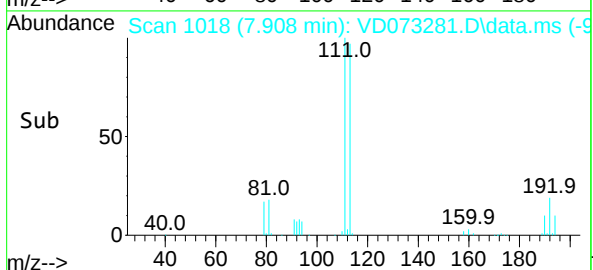
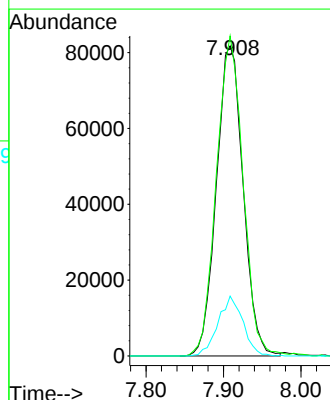
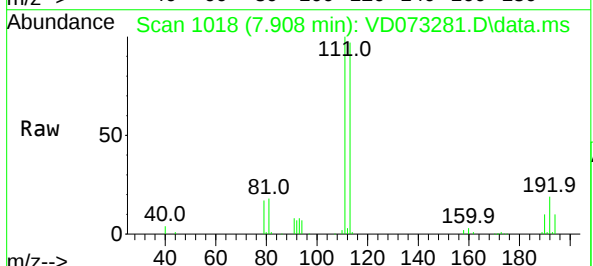
Tgt Ion:113 Resp: 196131

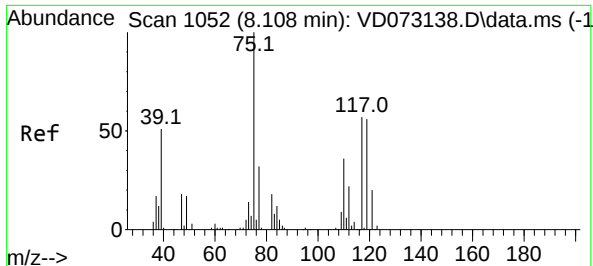
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.657 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073281.D

Acq: 23 May 2022 14:19

Instrument :

MSVOA_D

ClientSampleId :

P028-SS003-0006-01

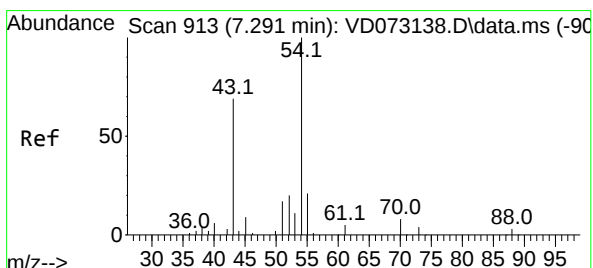
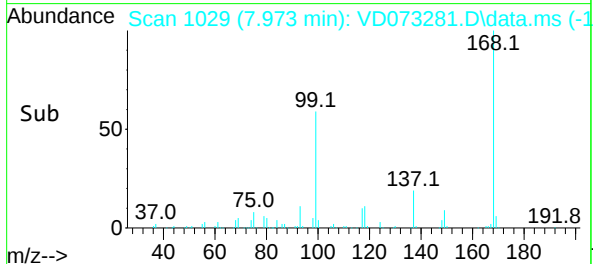
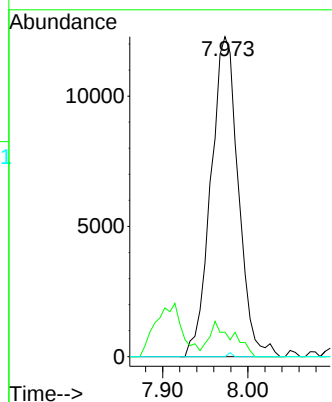
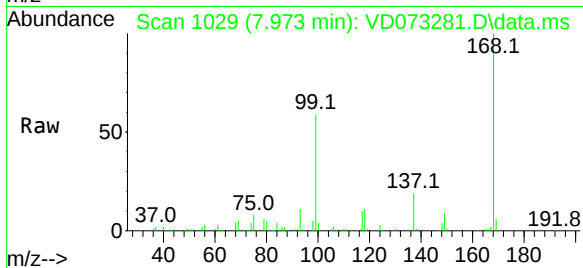
Tgt Ion: 75 Resp: 27528

Ion Ratio Lower Upper

75 100

110 9.5 16.4 49.1#

77 0.2 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.121 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.106 min

Lab File: VD073281.D

Acq: 23 May 2022 14:19

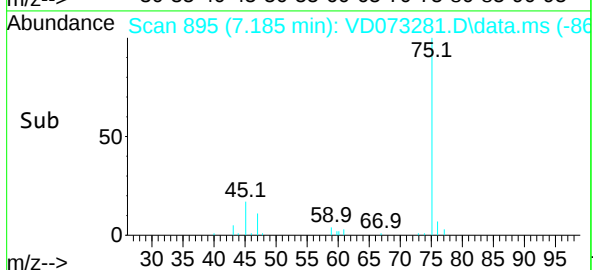
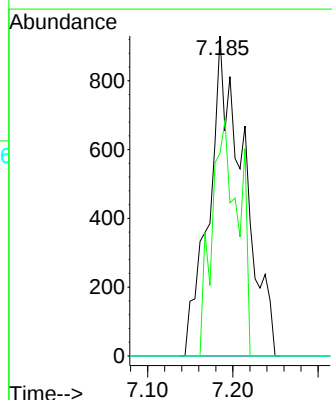
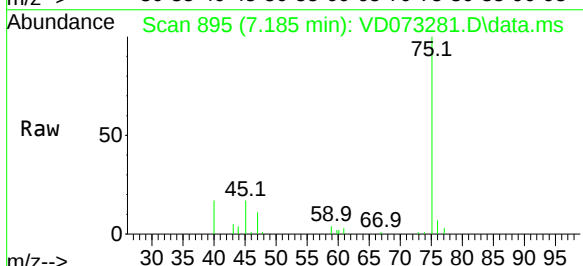
Tgt Ion: 43 Resp: 2617

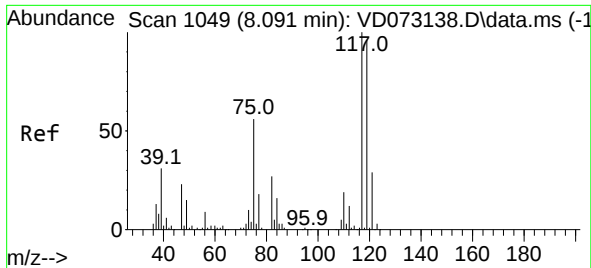
Ion Ratio Lower Upper

43 100

61 57.3 9.8 14.8#

70 0.0 6.9 10.3#

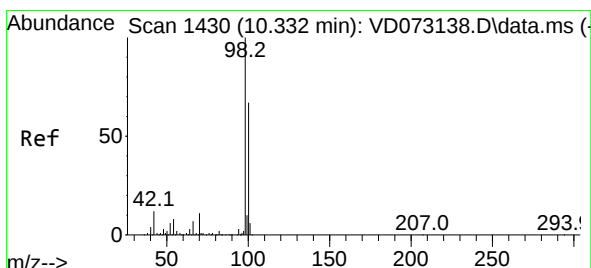
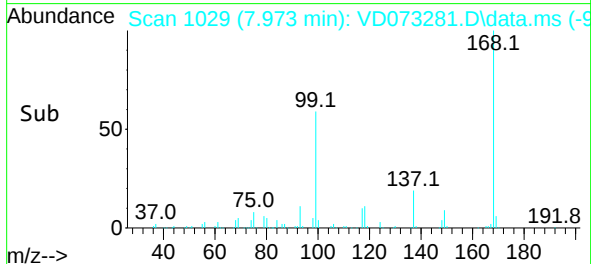
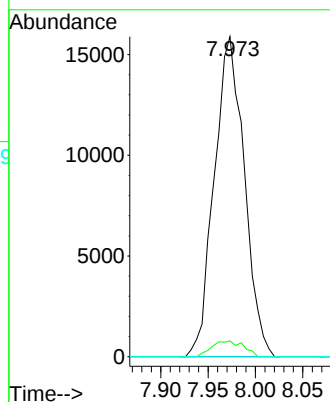
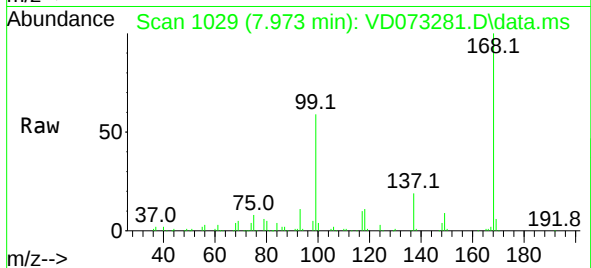




#38
Carbon Tetrachloride
Concen: 5.846 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

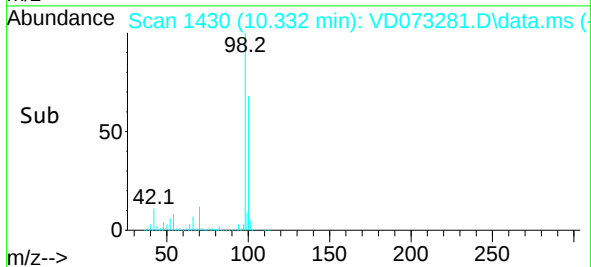
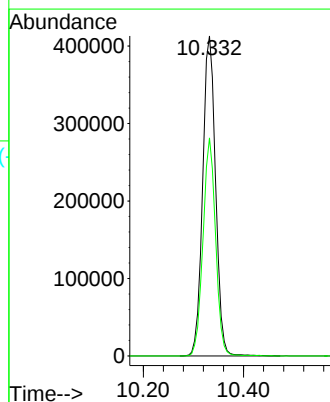
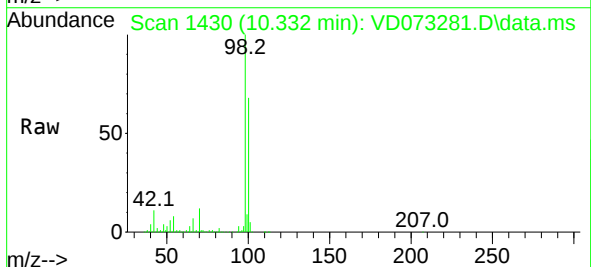
Instrument :
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P028-SS003-0006-01

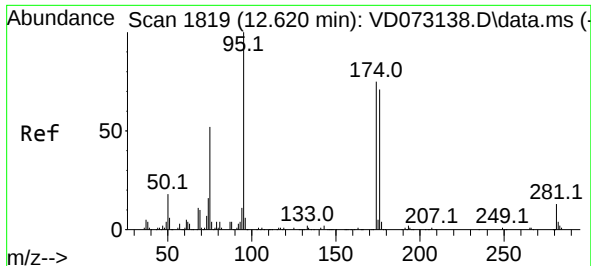
Tgt Ion:117 Resp: 35028
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.882 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

Tgt Ion: 98 Resp: 737212
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

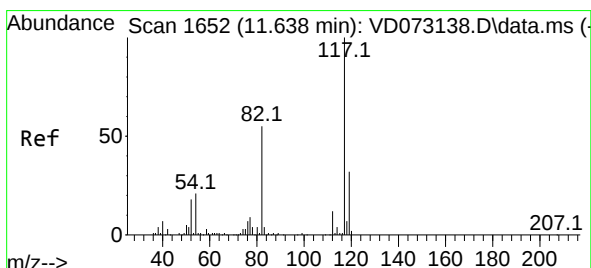
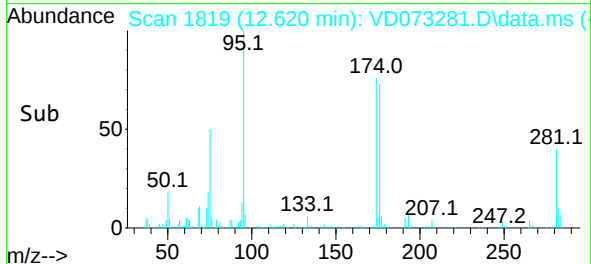
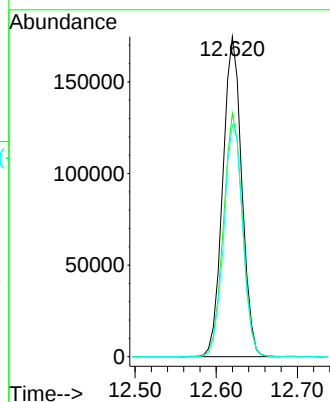
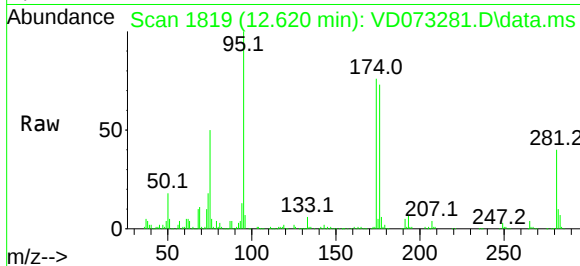




#62
4-Bromofluorobenzene
Concen: 55.910 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

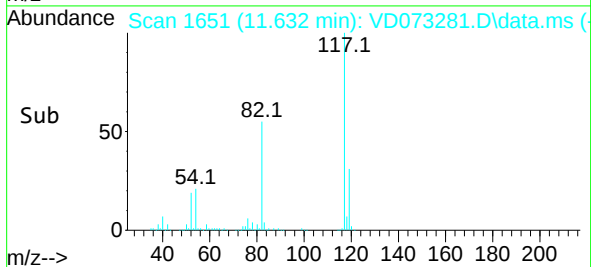
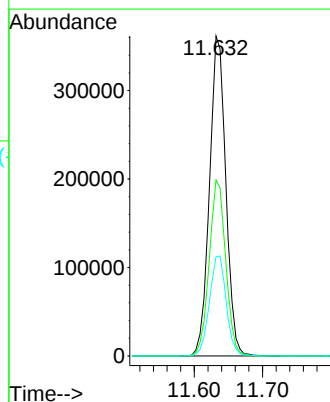
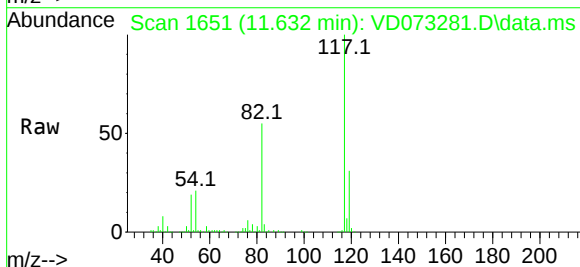
Instrument :
MSVOA_D
ClientSampleId :
P028-SS003-0006-01

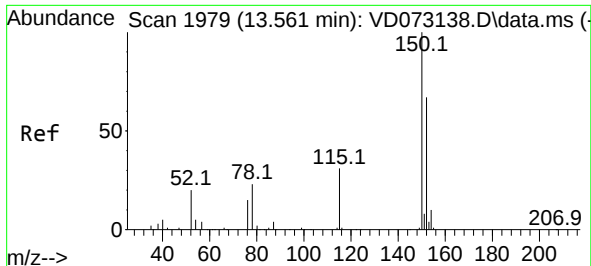
Tgt Ion: 95 Resp: 284282
Ion Ratio Lower Upper
95 100
174 76.2 0.0 152.8
176 72.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

Tgt Ion: 117 Resp: 601682
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 31.0 26.6 40.0

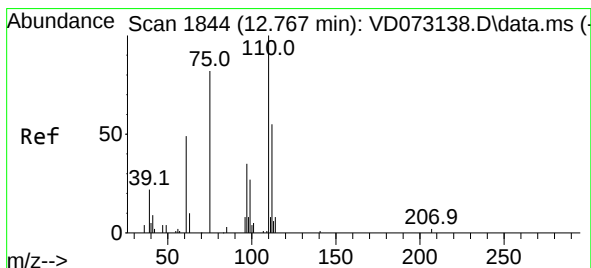
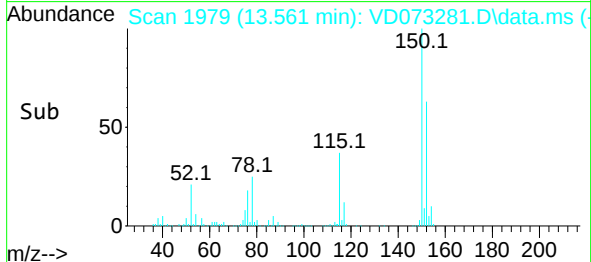
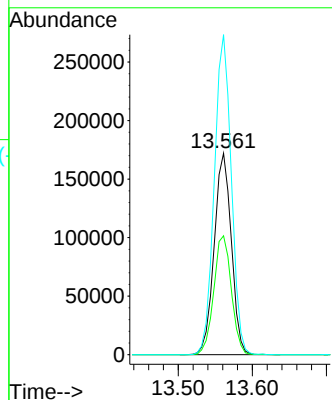
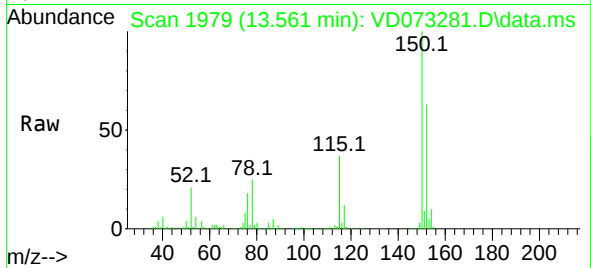




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073281.D
 Acq: 23 May 2022 14:19

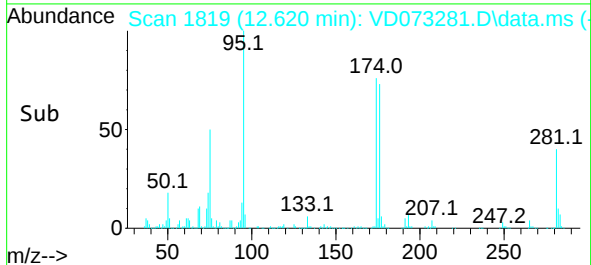
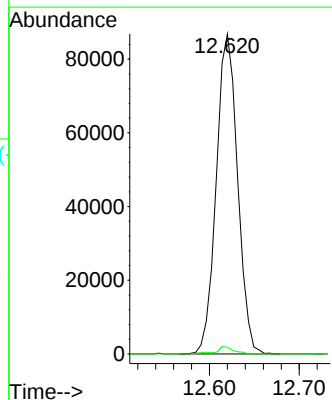
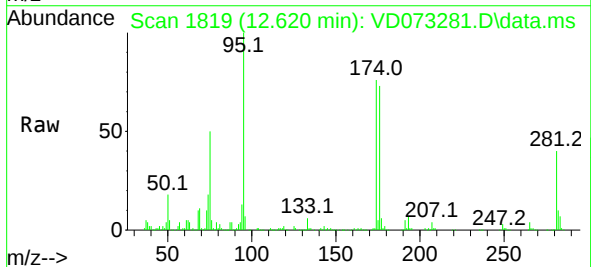
Instrument :
 MSVOA_D
 ClientSampleId :
 P028-SS003-0006-01

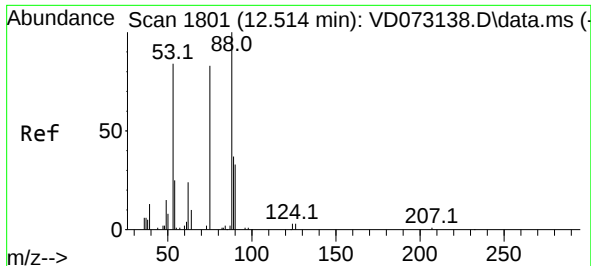
Tgt Ion:152 Resp: 276679
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.3 93.8
 150 157.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 52.767 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073281.D
 Acq: 23 May 2022 14:19

Tgt Ion: 75 Resp: 143247
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

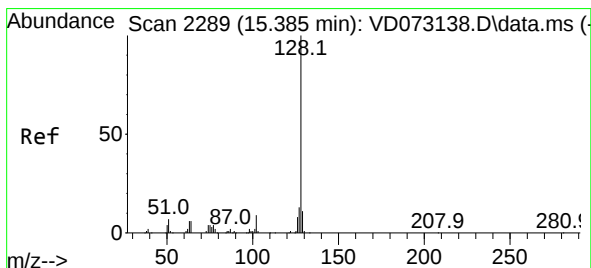
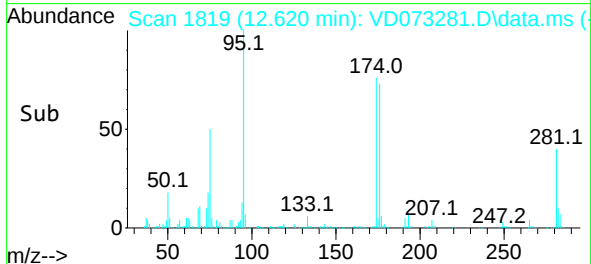
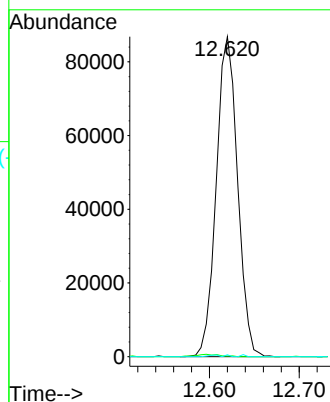
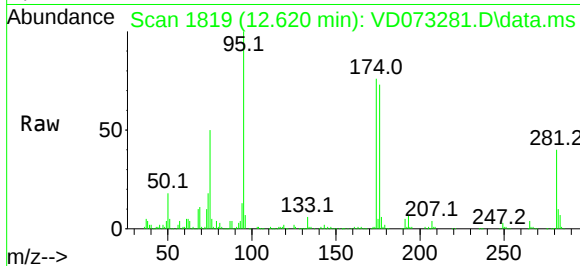




#81
trans-1,4-Dichloro-2-butene
Concen: 126.678 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

Instrument :
MSVOA_D
ClientSampleId :
P028-SS003-0006-01

Tgt Ion: 75 Resp: 143247
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.3 33.9 50.9#



#95
Naphthalene
Concen: 3.611 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD073281.D
Acq: 23 May 2022 14:19

Tgt Ion: 128 Resp: 681
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

