

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020422\
 Data File : VD071896.D
 Acq On : 04 Feb 2022 14:01
 Operator : VA/SY
 Sample : VD0204SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0204SBL01

Quant Time: Feb 07 04:18:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

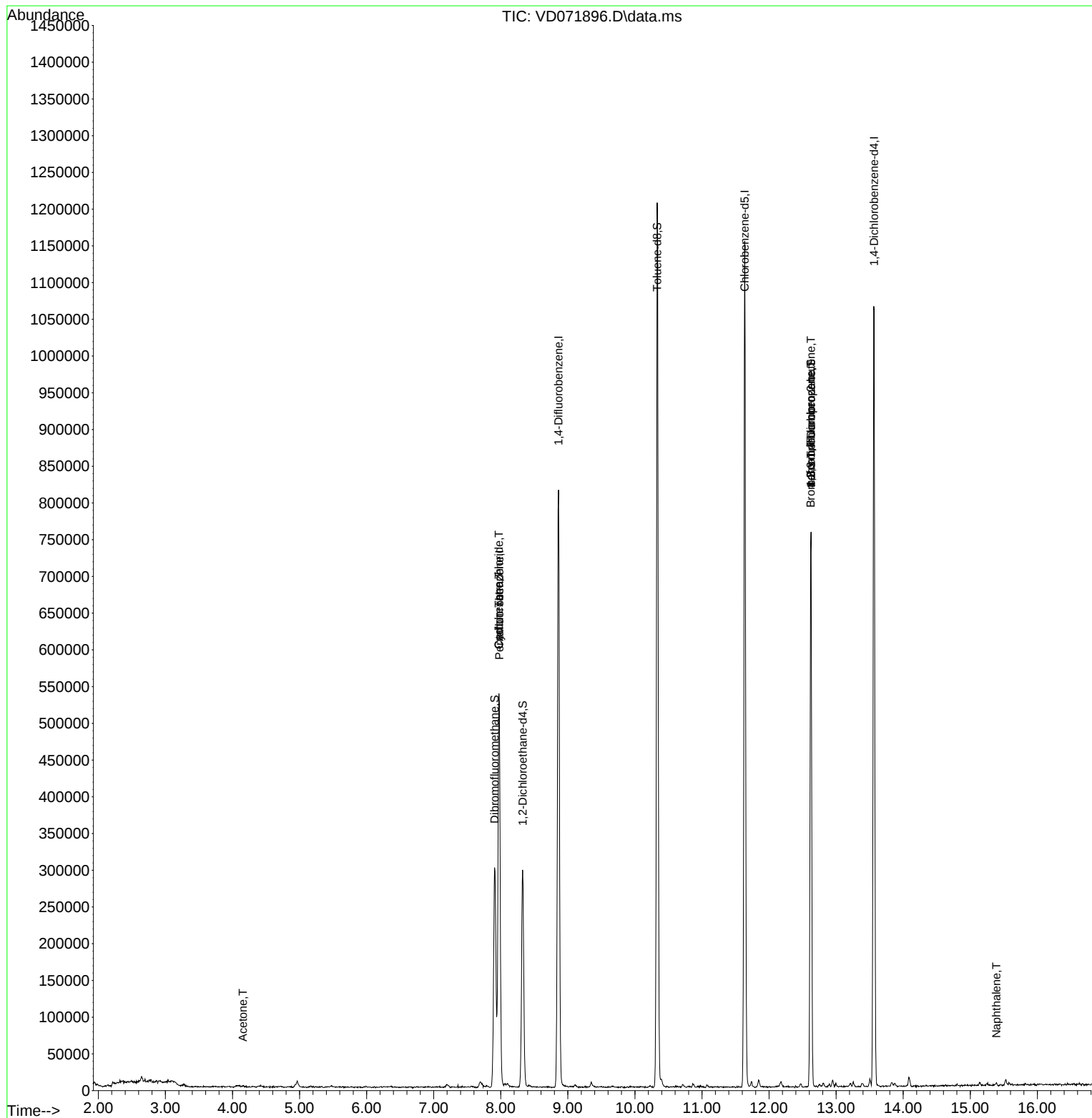
Internal Standards						
1) Pentafluorobenzene	7.979	168	373378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	660856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	606997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	262451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	240517	50.964	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.920%
35) Dibromofluoromethane	7.908	113	216388	49.813	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.620%
50) Toluene-d8	10.332	98	762239	46.984	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.960%
62) 4-Bromofluorobenzene	12.626	95	243168	42.922	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.244	59	72	Below Cal	#	74
16) Acetone	4.156	43	2765	2.140	ug/l #	84
20) Methylene Chloride	4.956	84	4904	Below Cal	#	73
31) Cyclohexane	7.973	56	12766	1.417	ug/l #	46
38) Carbon Tetrachloride	7.973	117	41181	5.585	ug/l #	17
71) Bromoform	12.620	173	2744	1.100	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	133817	48.381	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	133817	118.957	ug/l #	7
95) Naphthalene	15.390	128	2345	1.704	ug/l #	89

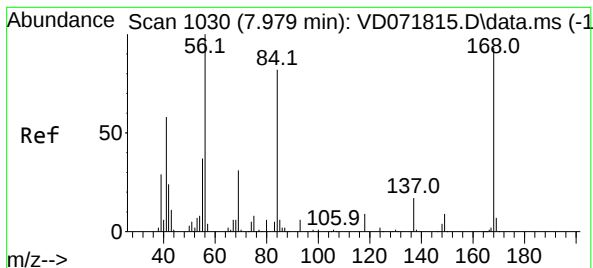
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

Quant Time: Feb 07 04:18:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD071896.D

Acq: 04 Feb 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

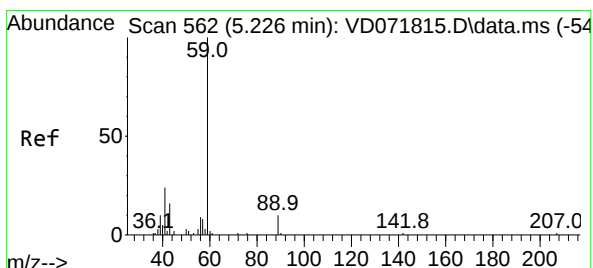
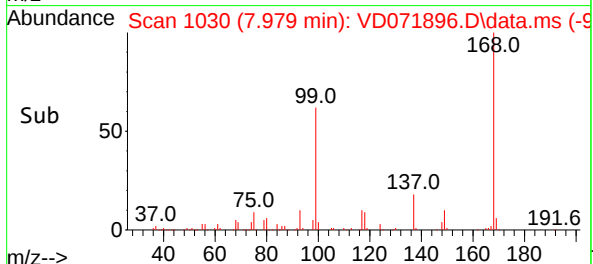
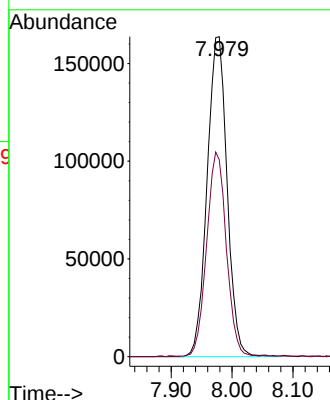
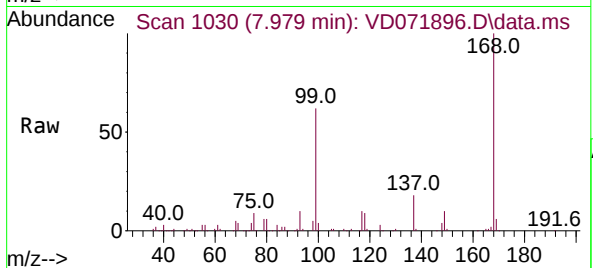
VD0204SBL01

Tgt Ion:168 Resp: 373378

Ion Ratio Lower Upper

168 100

99 61.3 49.8 74.6



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.244 min Scan# 565

Delta R.T. 0.023 min

Lab File: VD071896.D

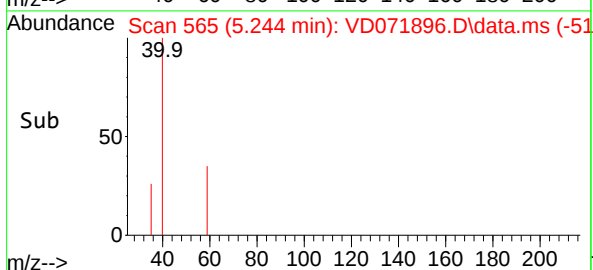
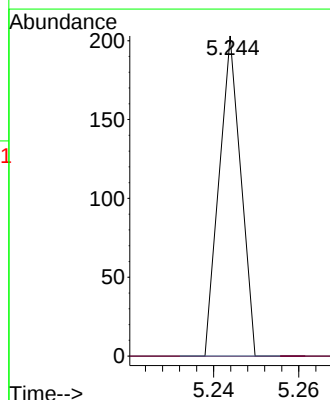
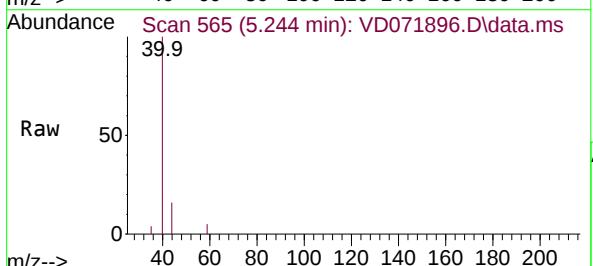
Acq: 04 Feb 2022 14:01

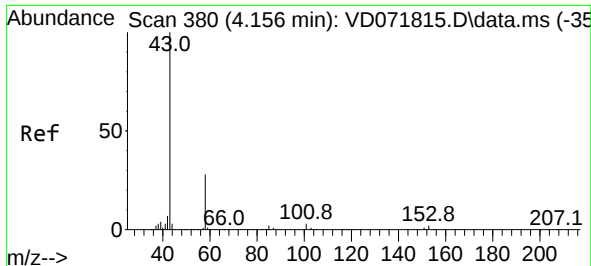
Tgt Ion: 59 Resp: 72

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

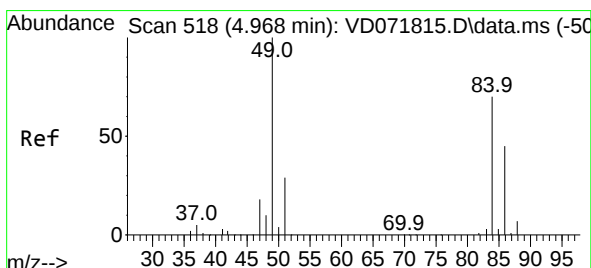
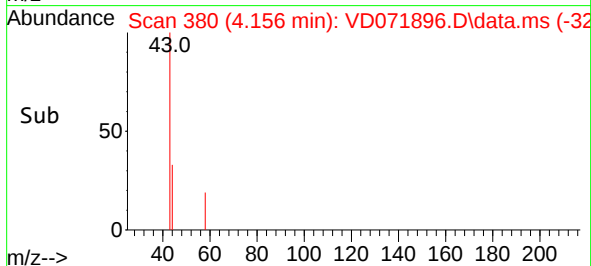
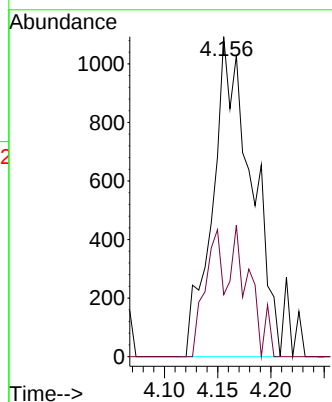
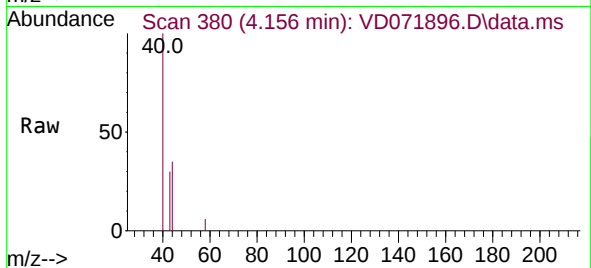




#16
Acetone
Concen: 2.140 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

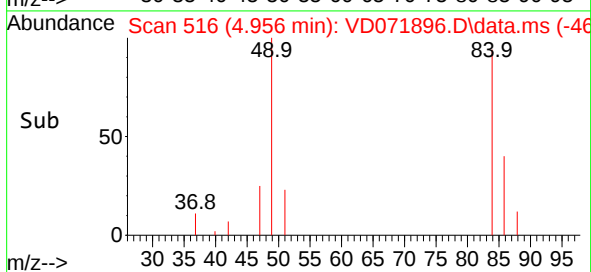
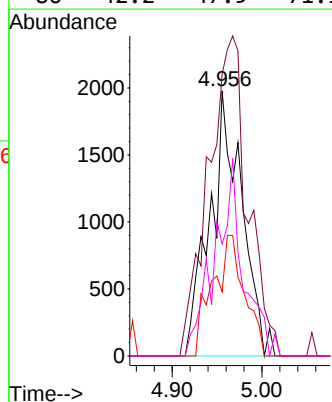
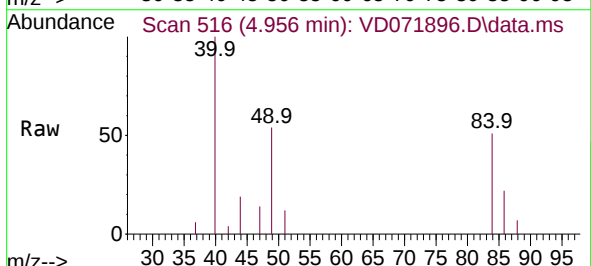
Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

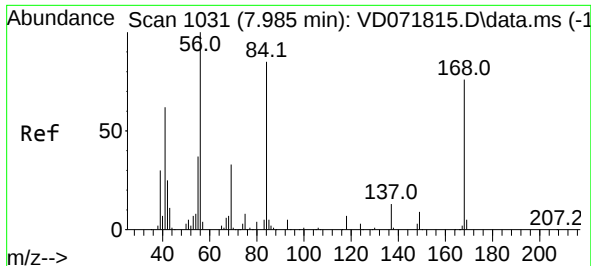
Tgt Ion: 43 Resp: 2765
Ion Ratio Lower Upper
43 100
58 19.4 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.012 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

Tgt Ion: 84 Resp: 4904
Ion Ratio Lower Upper
84 100
49 106.2 112.8 169.2#
51 24.1 32.6 48.8#
86 42.2 47.9 71.9#

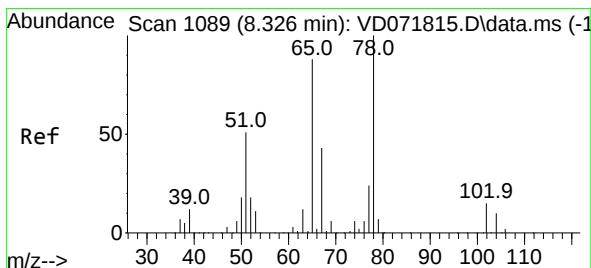
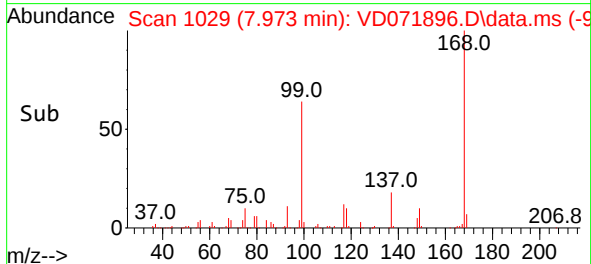
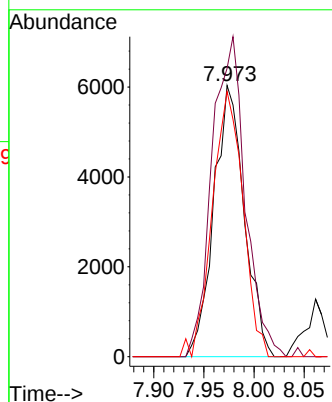
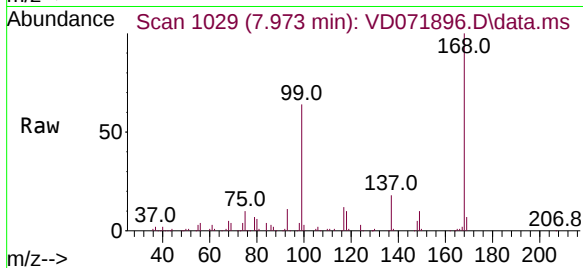




#31
Cyclohexane
Concen: 1.417 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

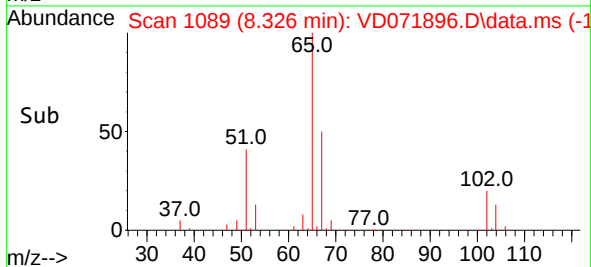
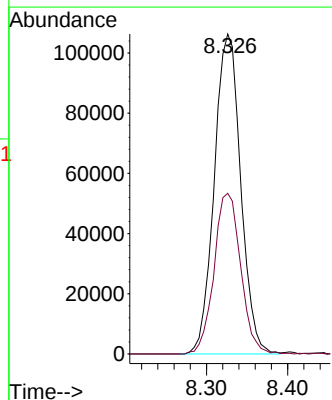
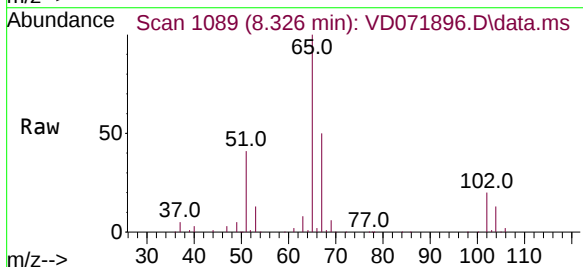
Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

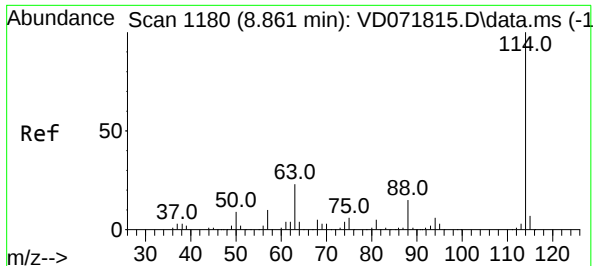
Tgt Ion: 56 Resp: 12766
Ion Ratio Lower Upper
56 100
69 106.3 25.4 38.2#
84 97.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 50.964 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

Tgt Ion: 65 Resp: 240517
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071896.D

Acq: 04 Feb 2022 14:01

Instrument :

MSVOA_D

ClientSampleId :

VD0204SBL01

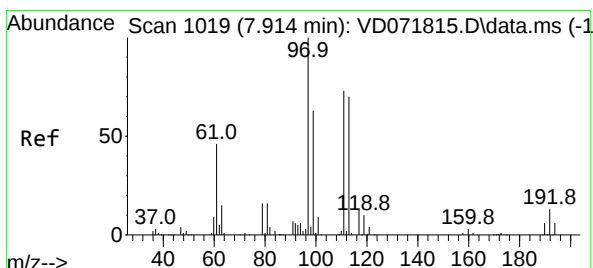
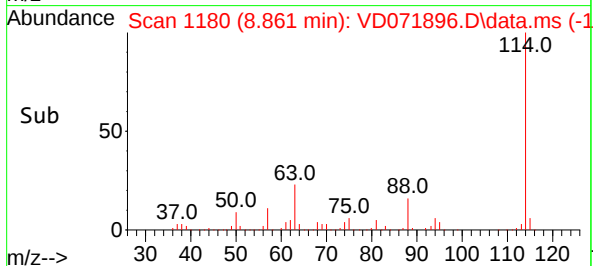
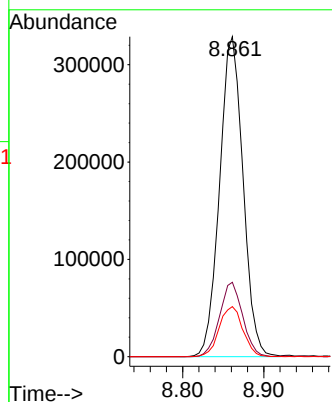
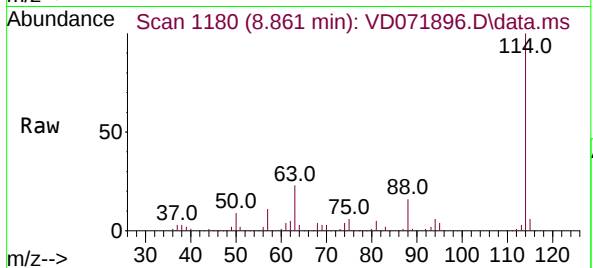
Tgt Ion:114 Resp: 660856

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.813 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071896.D

Acq: 04 Feb 2022 14:01

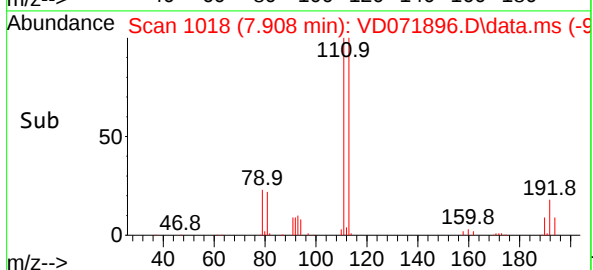
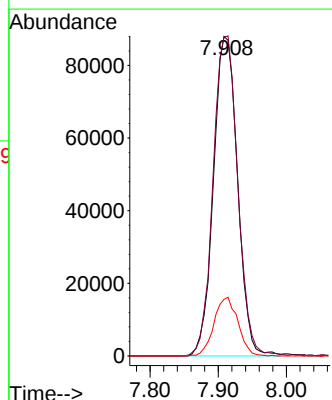
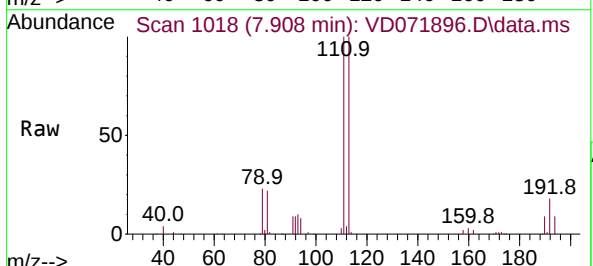
Tgt Ion:113 Resp: 216388

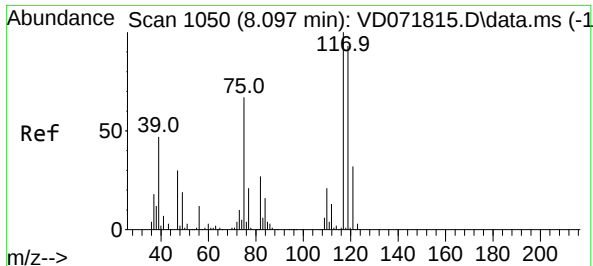
Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 18.2 14.6 21.8

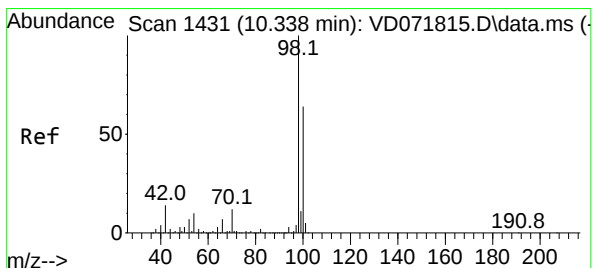
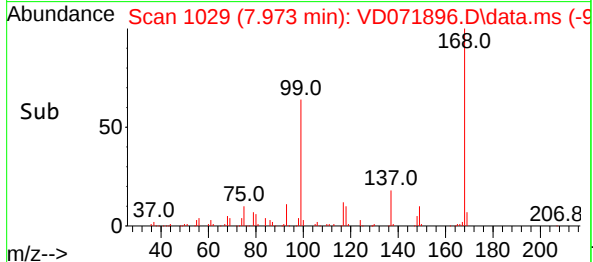
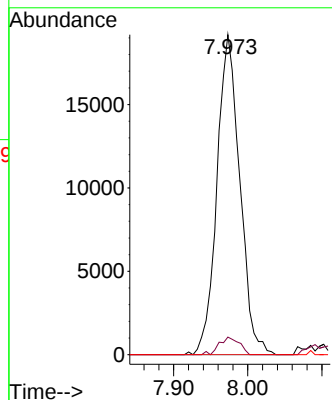
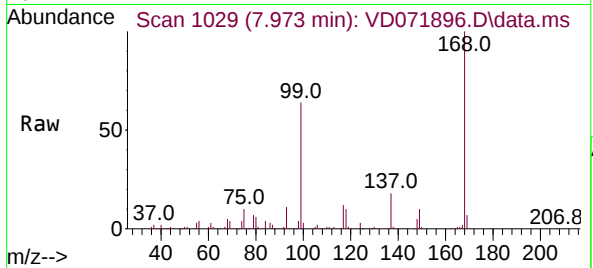




#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

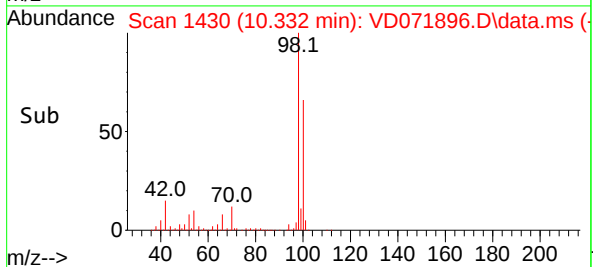
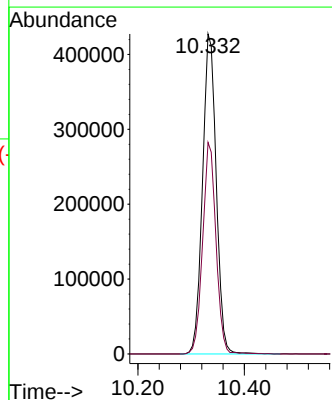
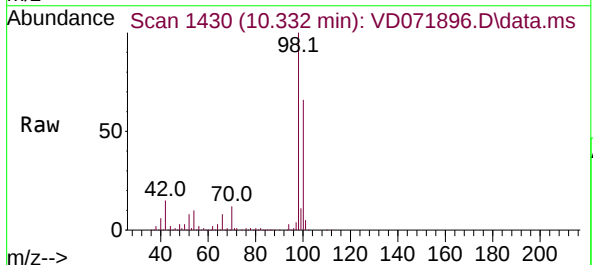
Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

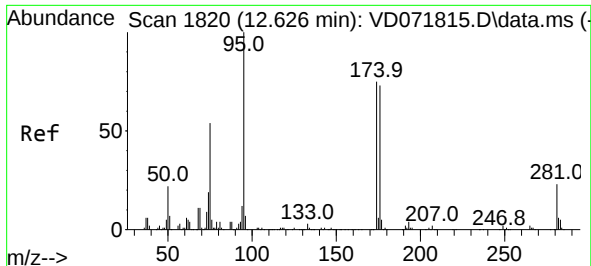
Tgt Ion:117 Resp: 41181
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 46.984 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

Tgt Ion: 98 Resp: 762239
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6

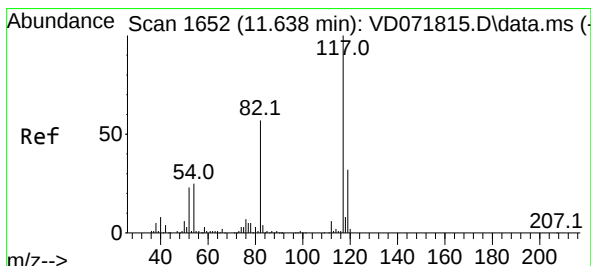
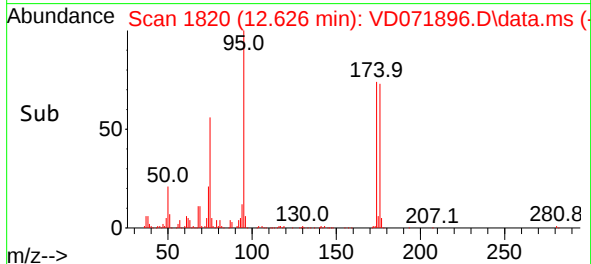
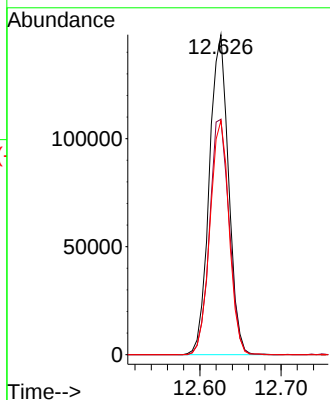
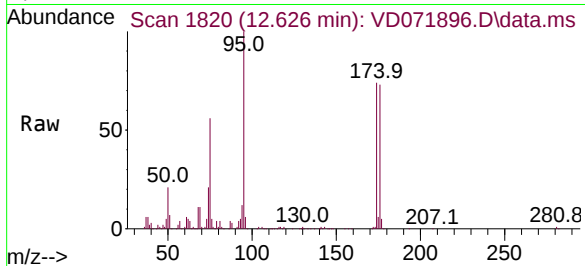




#62
4-Bromofluorobenzene
Concen: 42.922 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

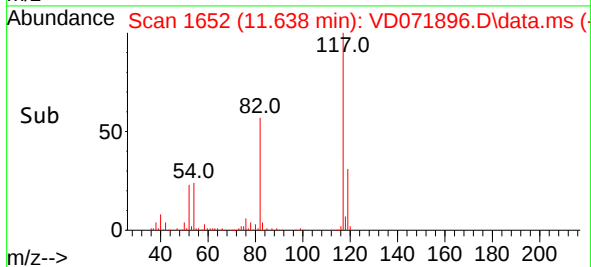
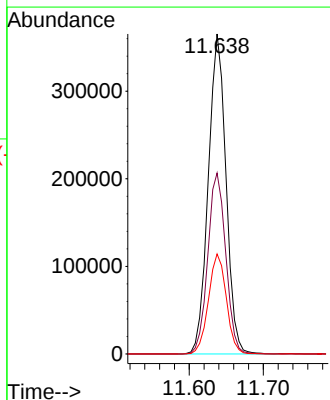
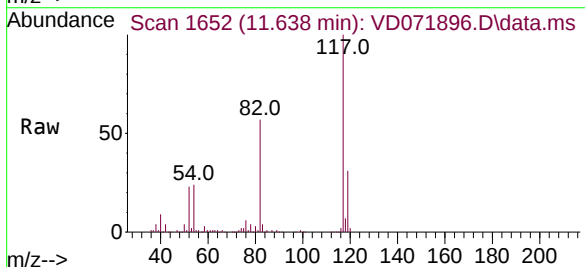
Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

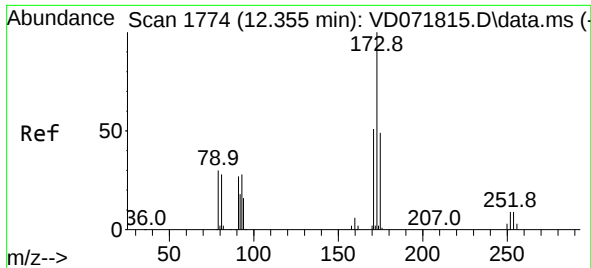
Tgt Ion: 95 Resp: 243168
Ion Ratio Lower Upper
95 100
174 75.2 0.0 152.8
176 72.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

Tgt Ion: 117 Resp: 606997
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 31.2 26.6 40.0

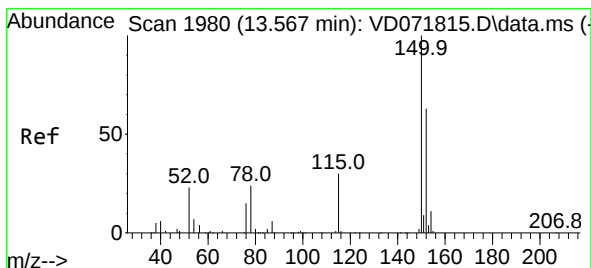
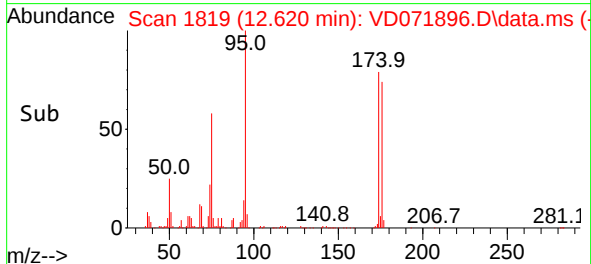
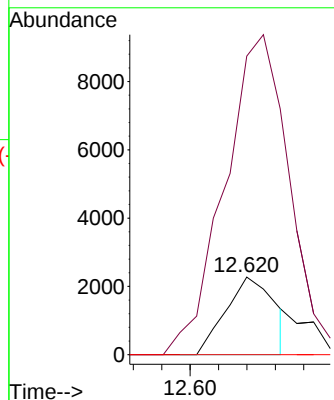
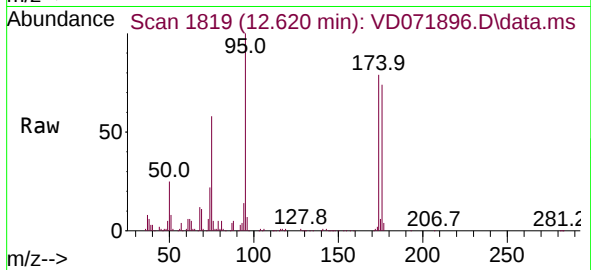




#71
Bromoform
Concen: 1.100 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

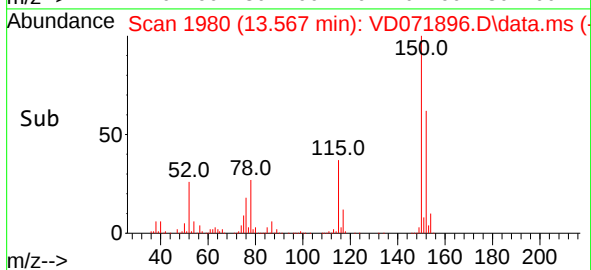
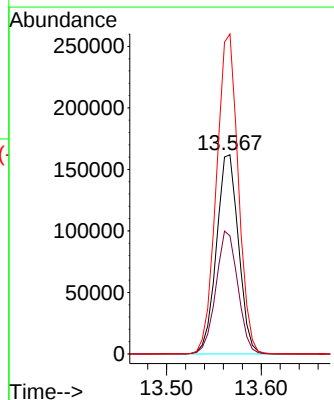
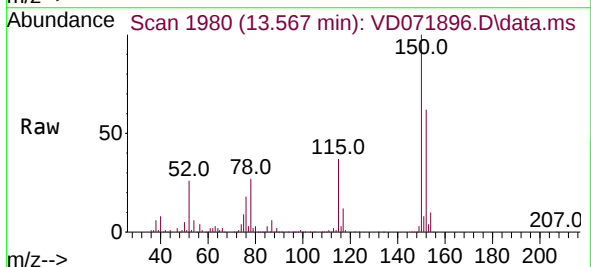
Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

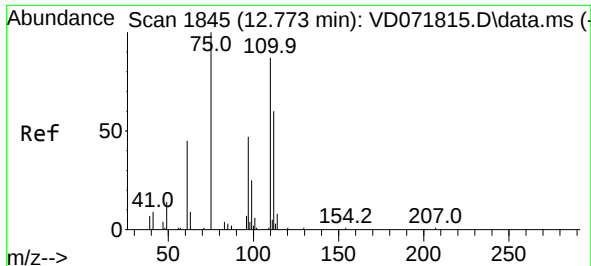
Tgt Ion:173 Resp: 2744
Ion Ratio Lower Upper
173 100
175 468.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

Tgt Ion:152 Resp: 262451
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.8
150 159.0 0.0 348.6

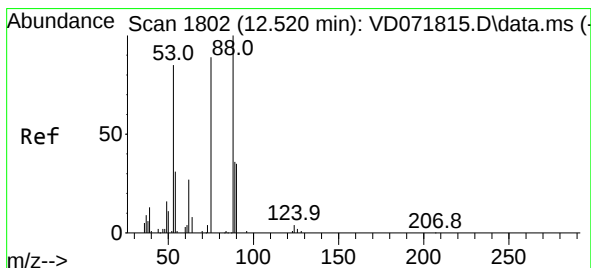
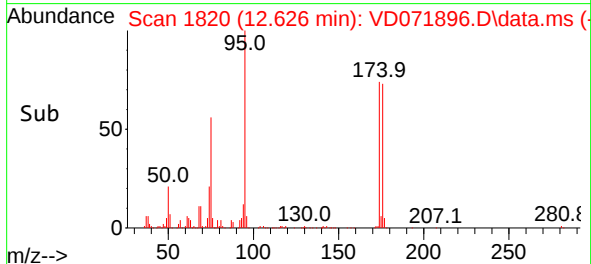
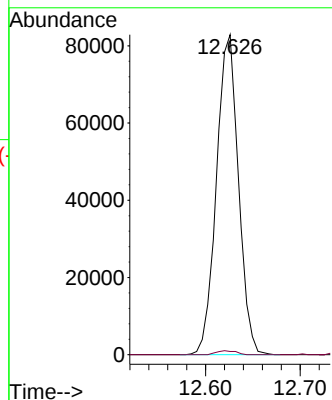
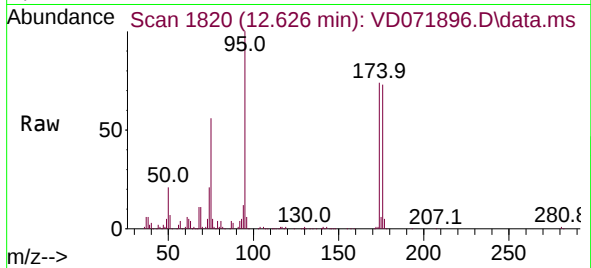




#76
1,2,3-Trichloropropane
Concen: 48.381 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

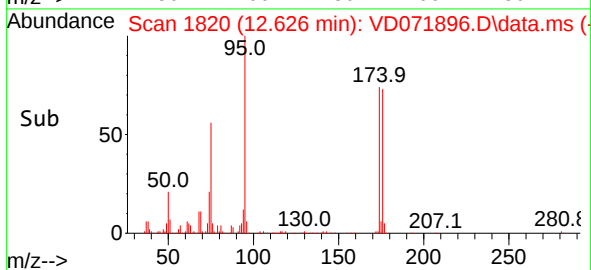
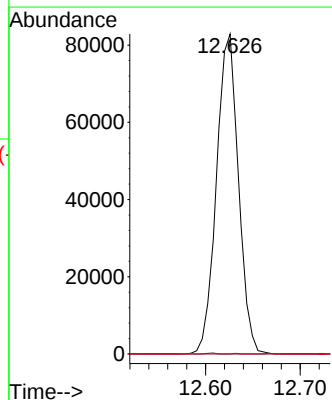
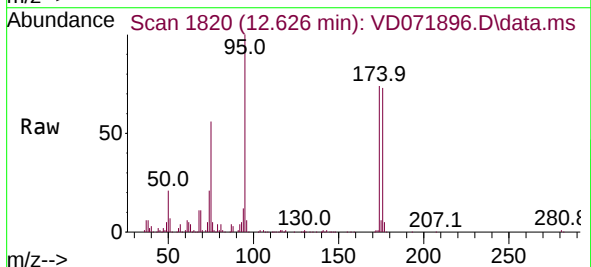
Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

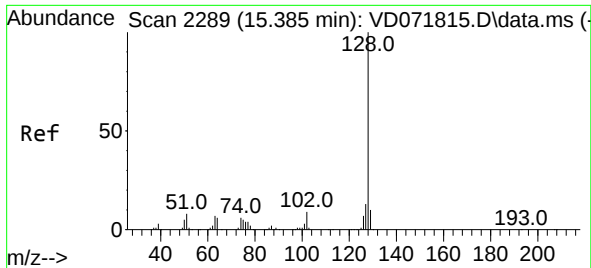
Tgt Ion: 75 Resp: 133817
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.957 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

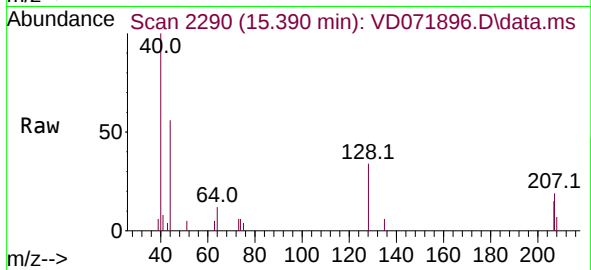
Tgt Ion: 75 Resp: 133817
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 1.704 ug/l
RT: 15.390 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD071896.D
Acq: 04 Feb 2022 14:01

Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01



Tgt Ion:128 Resp: 2345
Ion Ratio Lower Upper
128 100
127 7.9 10.3 15.5#
129 7.2 8.4 12.6#

