

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070660.D
 Acq On : 11 Oct 2021 15:13
 Operator : VA/SY
 Sample : M4135-03RE
 Misc : 6.84G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TS-3

Quant Time: Oct 12 05:41:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

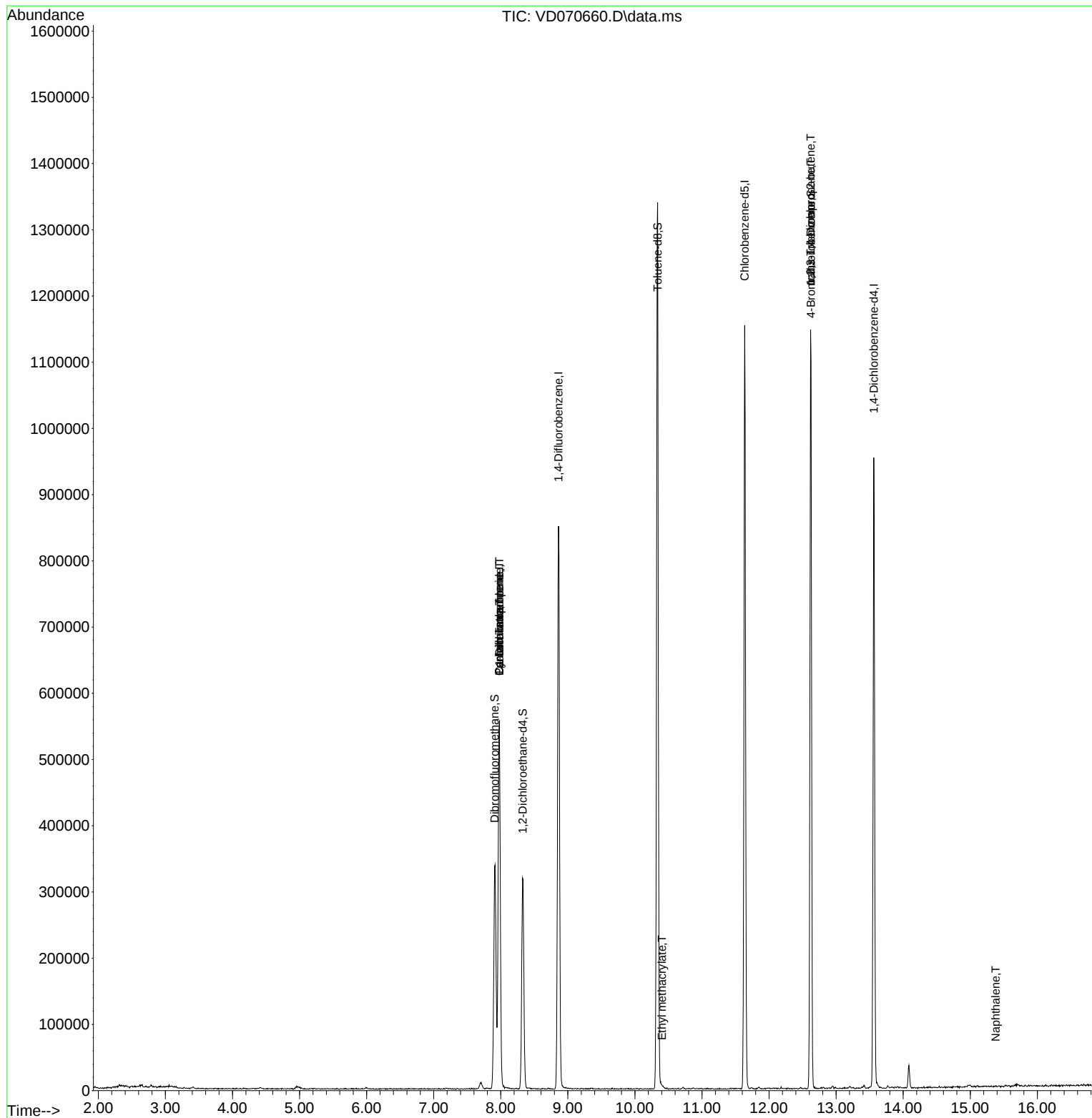
Internal Standards						
1) Pentafluorobenzene	7.979	168	389162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	755276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	677754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	252397	55.110	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.220%			
35) Dibromofluoromethane	7.908	113	252562	50.296	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.600%			
50) Toluene-d8	10.338	98	956501	49.827	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.660%			
62) 4-Bromofluorobenzene	12.626	95	291447	45.425	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.860%			
Target Compounds						
5) Bromomethane	2.785	94	1506	Below Cal	#	75
20) Methylene Chloride	4.961	84	3455	Below Cal	#	74
31) Cyclohexane	7.979	56	9013	1.063	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	33408	4.165	ug/l #	50
38) Carbon Tetrachloride	7.979	117	43469	5.178	ug/l #	17
56) Ethyl methacrylate	10.402	69	72	1.388	ug/l #	32
76) 1,2,3-Trichloropropane	12.620	75	140163	62.386	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	140163	138.507	ug/l #	18
95) Naphthalene	15.379	128	1247	2.640	ug/l #	76

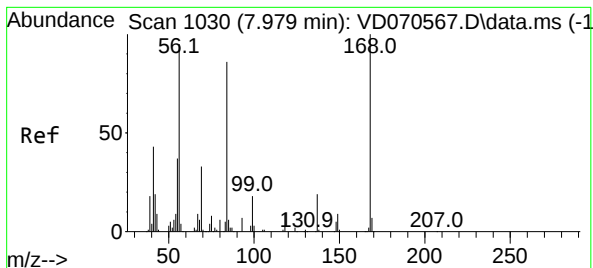
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

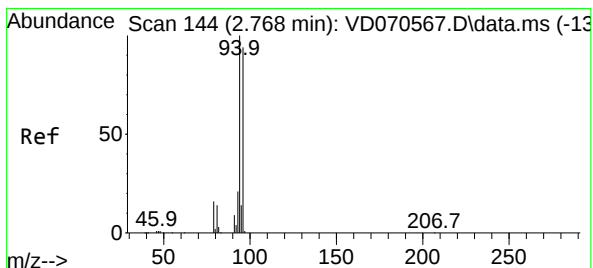
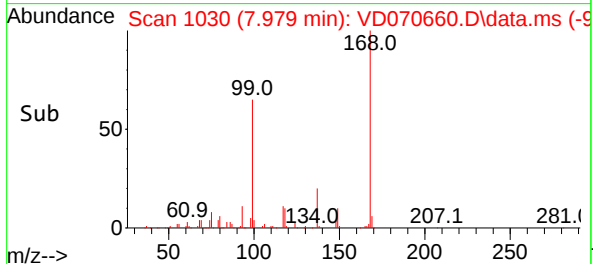
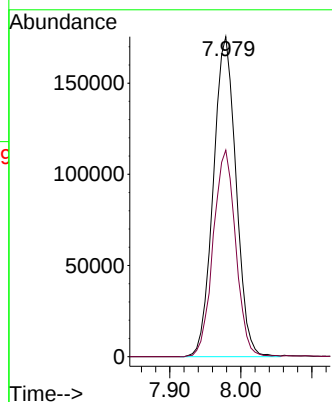
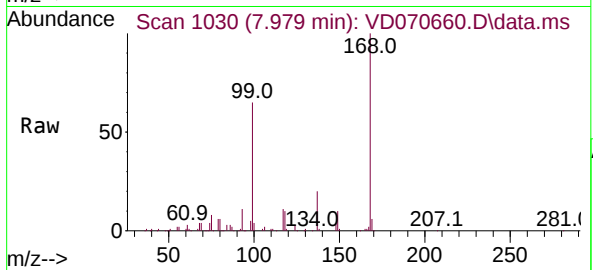




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

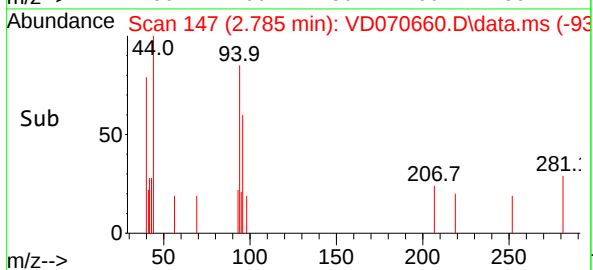
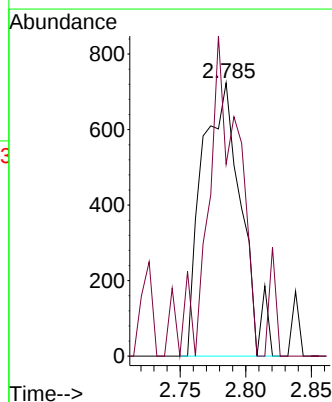
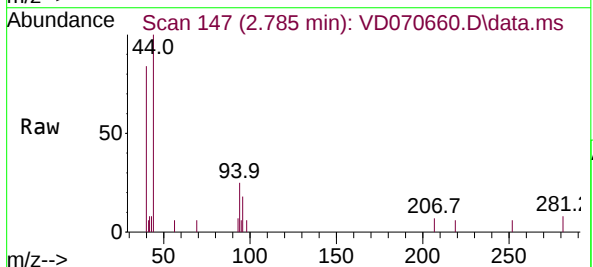
Instrument :
MSVOA_D
ClientSampleId :
TS-3

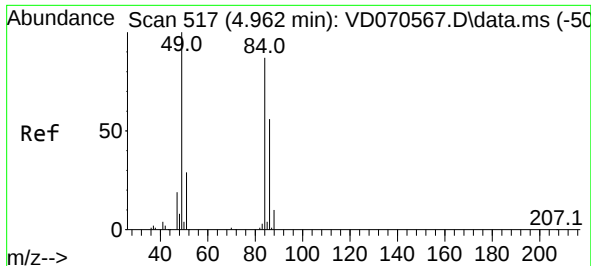
Tgt Ion:168 Resp: 389162
Ion Ratio Lower Upper
168 100
99 64.6 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Tgt Ion: 94 Resp: 1506
Ion Ratio Lower Upper
94 100
96 70.2 75.5 113.3#

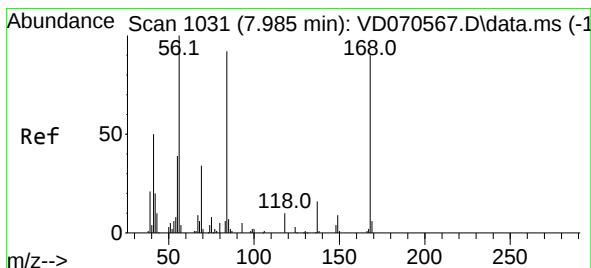
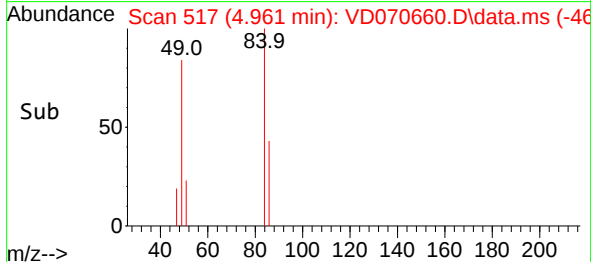
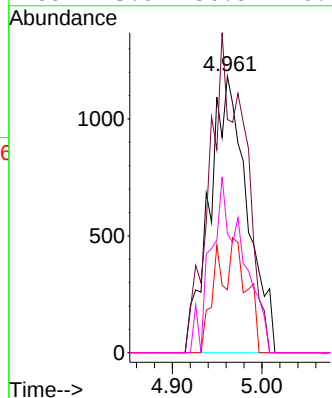
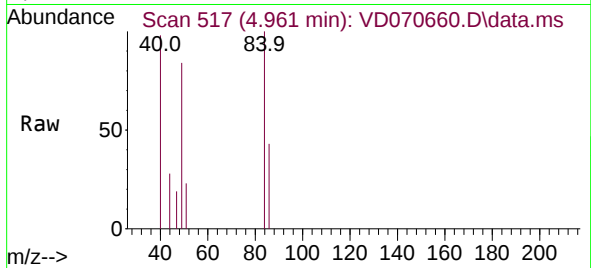




#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

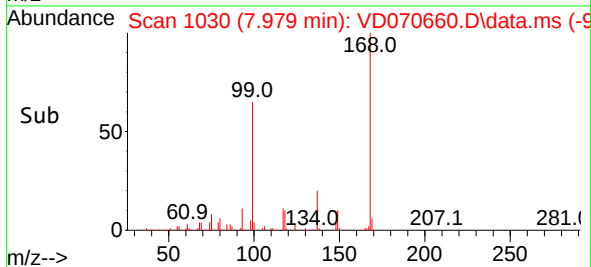
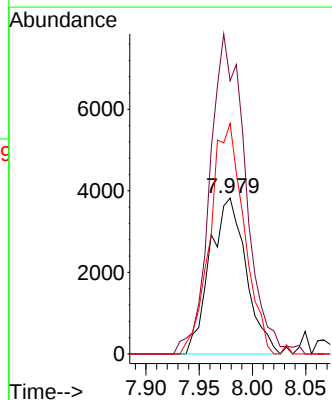
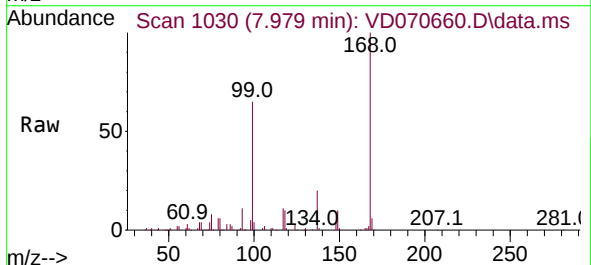
Instrument :
MSVOA_D
ClientSampled :
TS-3

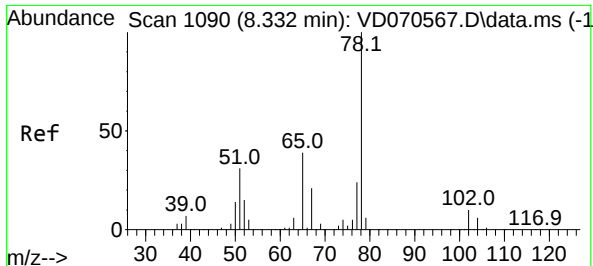
Tgt Ion:	84	Resp:	3455
Ion	Ratio	Lower	Upper
84	100		
49	84.4	91.4	137.2#
51	22.7	26.7	40.1#
86	43.0	50.8	76.2#



#31
Cyclohexane
Concen: 1.063 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Tgt Ion:	56	Resp:	9013
Ion	Ratio	Lower	Upper
56	100		
69	170.7	27.4	41.2#
84	148.0	73.6	110.4#



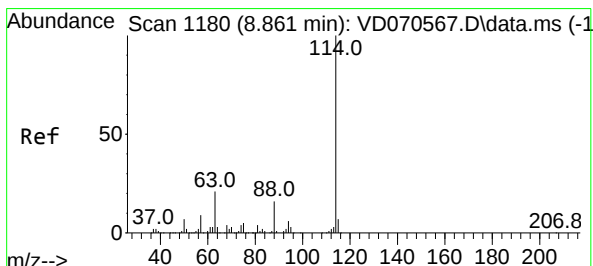
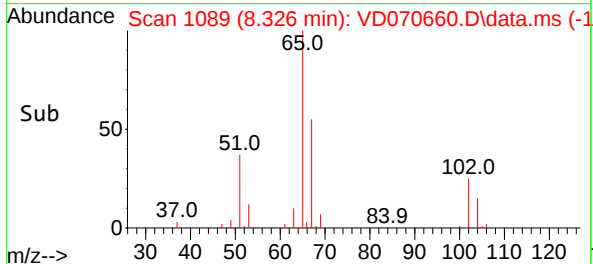
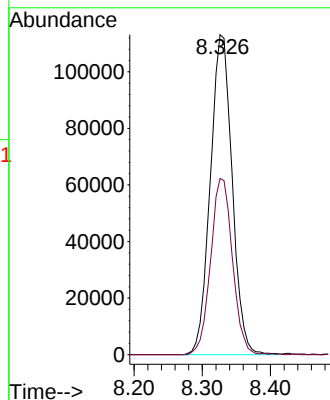
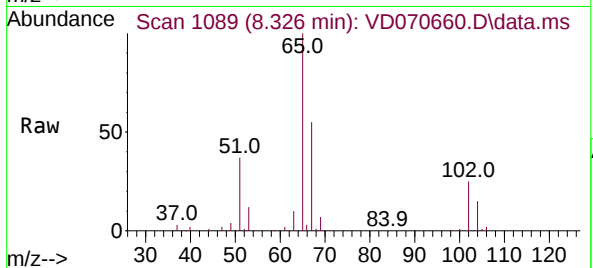


#33

1,2-Dichloroethane-d4
Concen: 55.110 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Instrument :
MSVOA_D
ClientSampleId :
TS-3

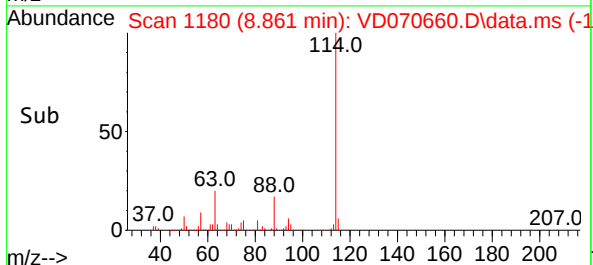
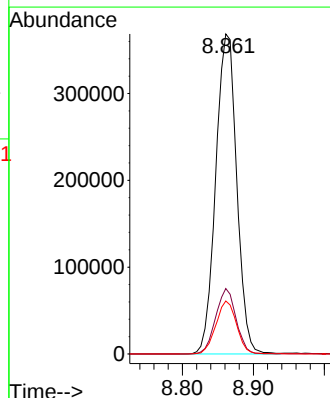
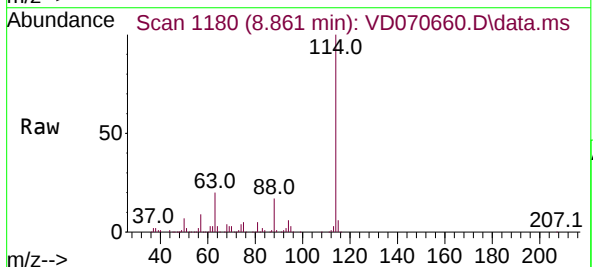
Tgt Ion: 65 Resp: 252397
Ion Ratio Lower Upper
65 100
67 55.0 0.0 110.2

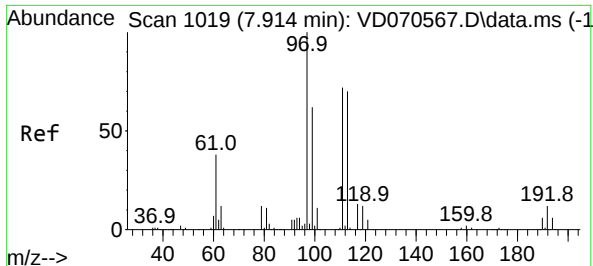


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Tgt Ion: 114 Resp: 755276
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.8
88 16.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.296 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070660.D

Acq: 11 Oct 2021 15:13

Tgt Ion:113 Resp: 252562

Ion Ratio Lower Upper

113 100

111 103.5 83.1 124.7

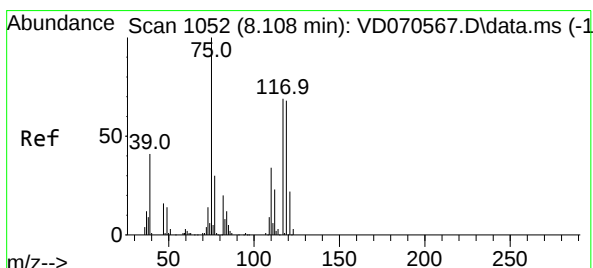
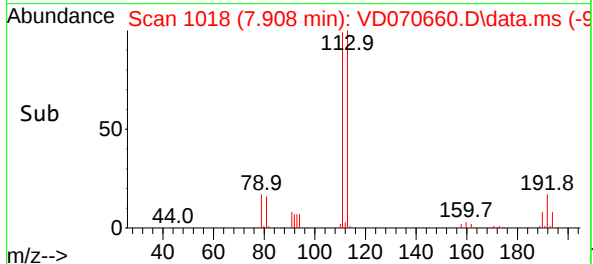
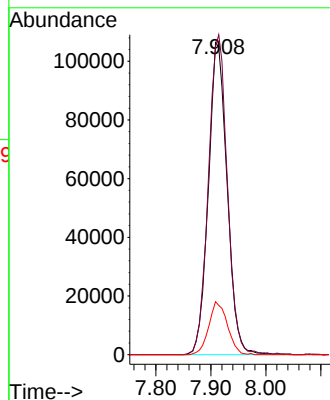
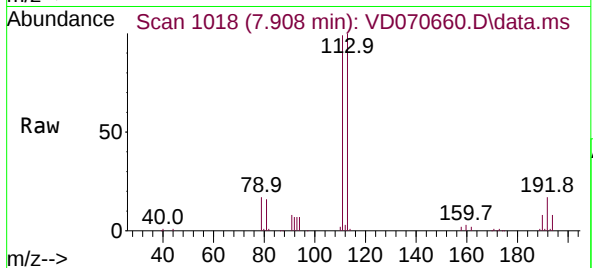
192 16.9 12.7 19.1

Instrument :

MSVOA_D

ClientSampleId :

TS-3



#36

1,1-Dichloropropene

Concen: 4.165 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070660.D

Acq: 11 Oct 2021 15:13

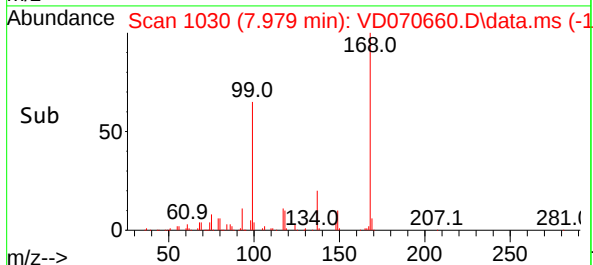
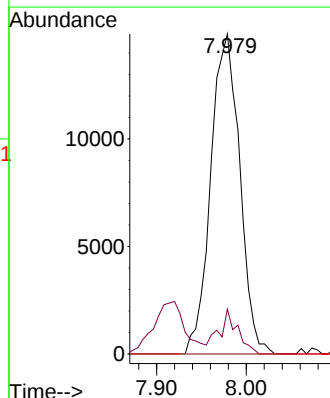
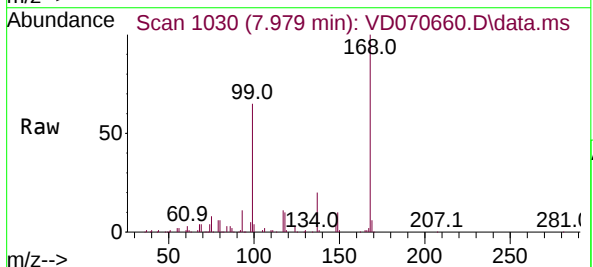
Tgt Ion: 75 Resp: 33408

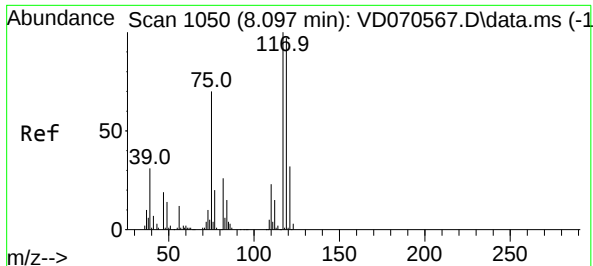
Ion Ratio Lower Upper

75 100

110 9.0 17.2 51.6#

77 0.0 24.2 36.4#

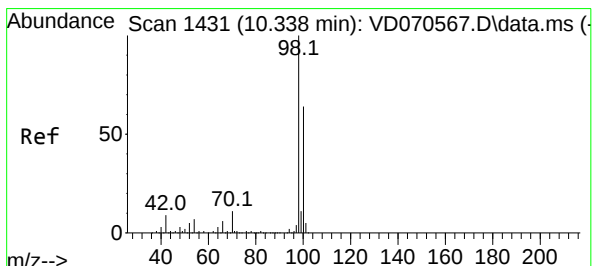
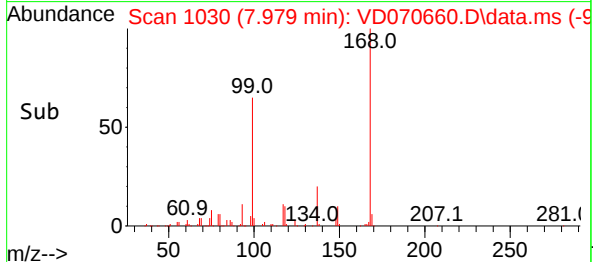
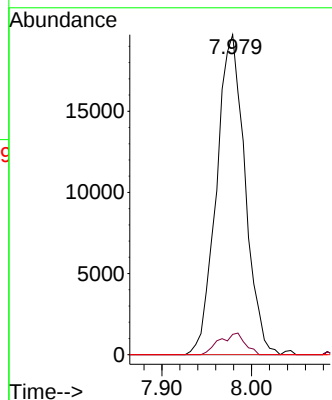
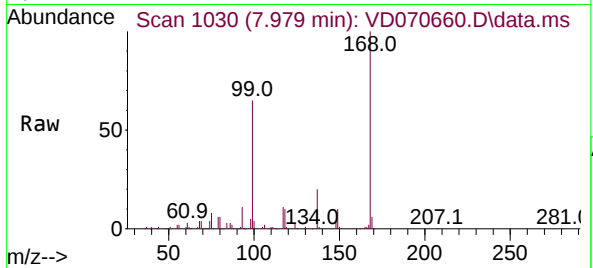




#38
Carbon Tetrachloride
Concen: 5.178 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

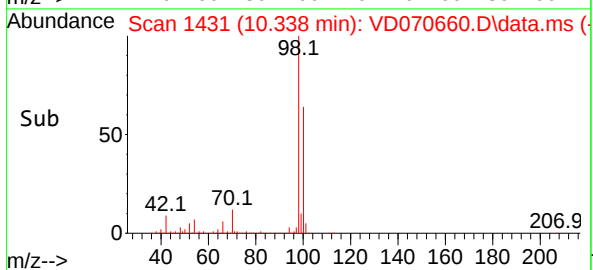
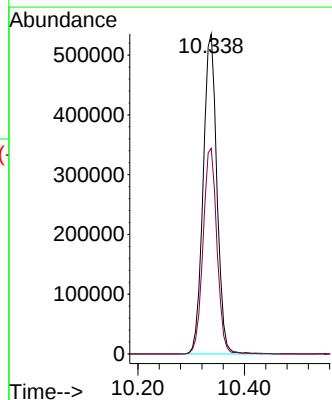
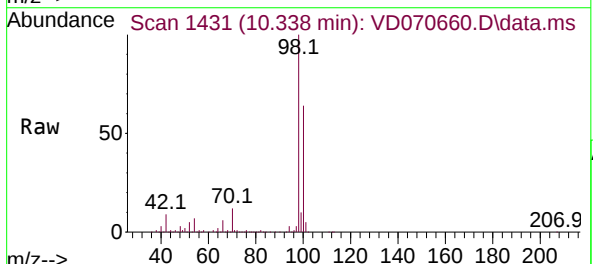
Instrument :
MSVOA_D
ClientSampled :
TS-3

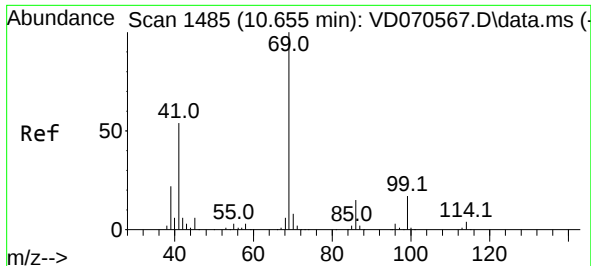
Tgt Ion:117 Resp: 43469
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 49.827 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Tgt Ion: 98 Resp: 956501
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

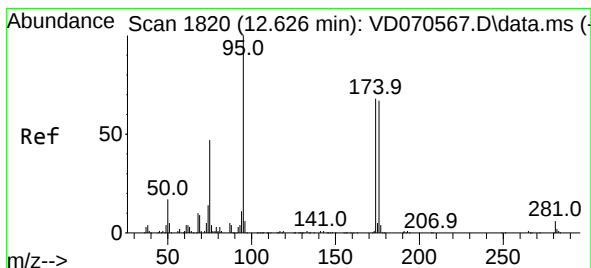
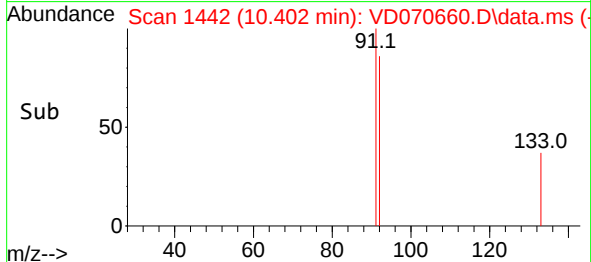
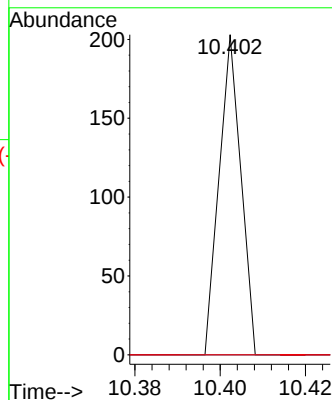
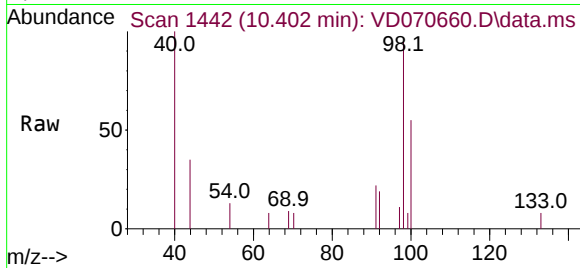




#56
Ethyl methacrylate
Concen: 1.388 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.253 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

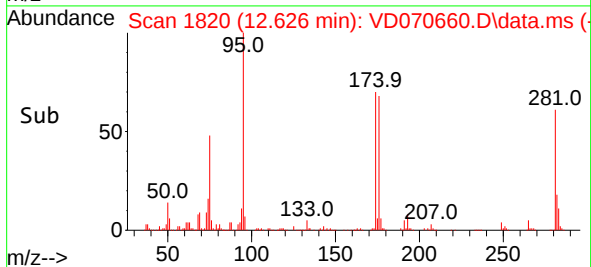
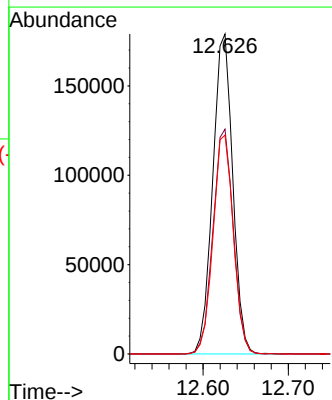
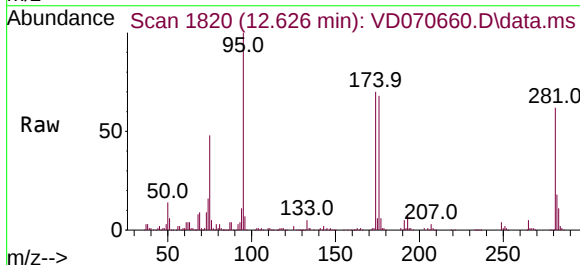
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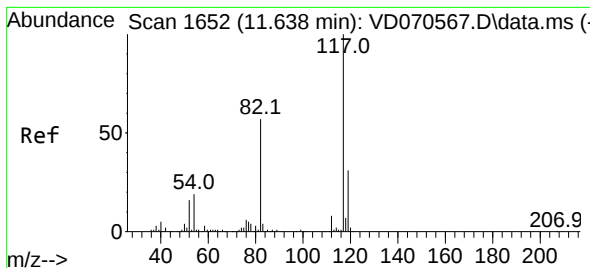
Tgt Ion:	69	Resp:	72
Ion	Ratio	Lower	Upper
69	100		
41	0.0	44.7	67.1#
39	0.0	19.5	29.3#



#62
4-Bromofluorobenzene
Concen: 45.425 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Tgt Ion:	95	Resp:	291447
Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	138.0
176	69.5	0.0	135.6

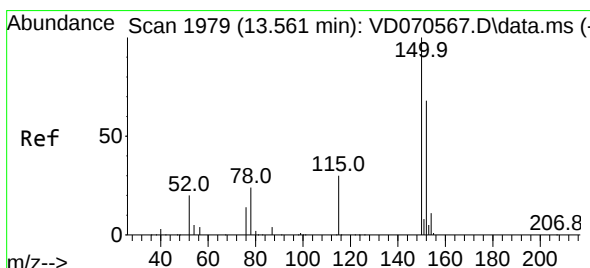
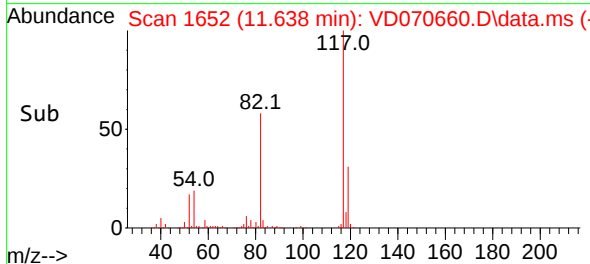
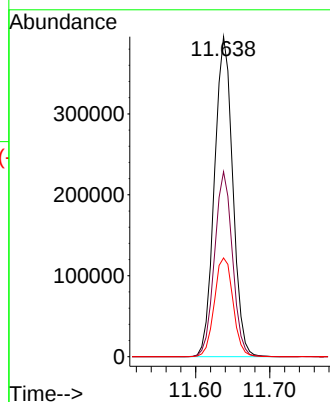
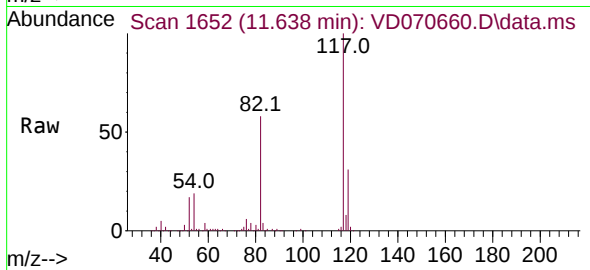




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

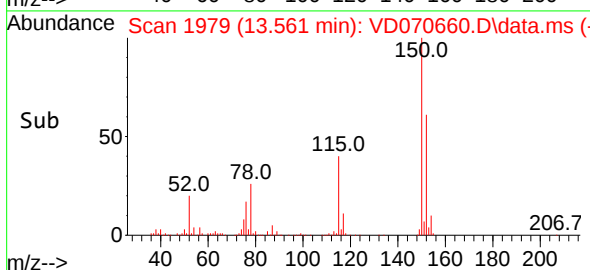
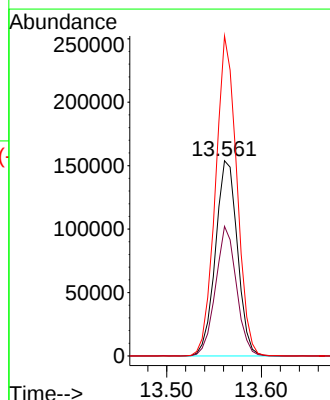
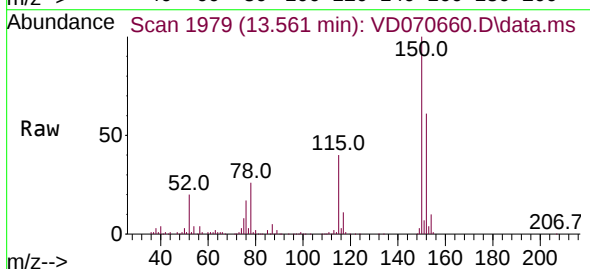
Instrument :
MSVOA_D
ClientSampled :
TS-3

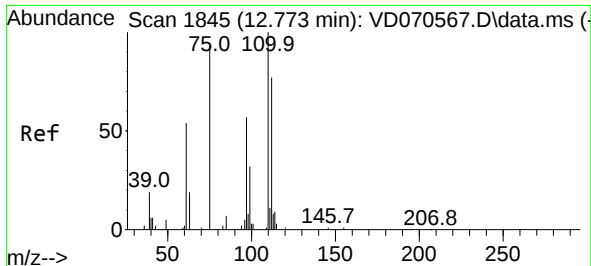
Tgt Ion:117 Resp: 677754
Ion Ratio Lower Upper
117 100
82 57.8 45.4 68.2
119 30.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Tgt Ion:152 Resp: 248226
Ion Ratio Lower Upper
152 100
115 63.1 31.9 95.7
150 158.3 0.0 350.0

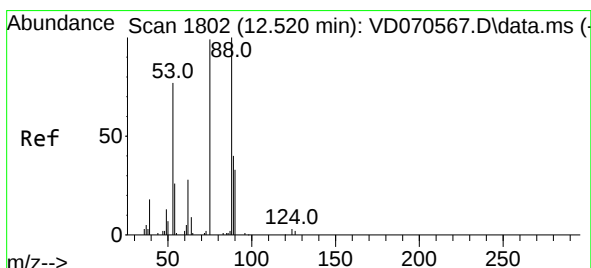
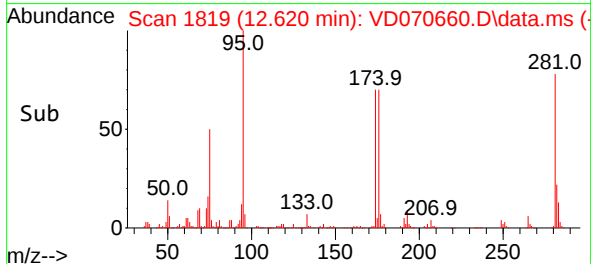
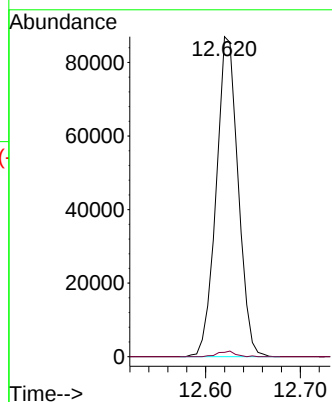
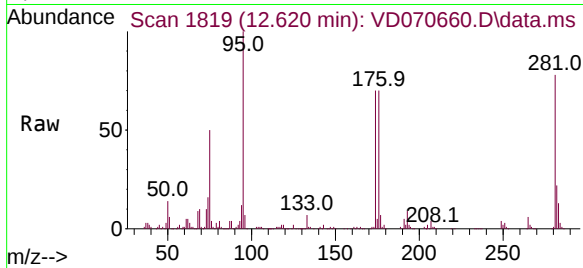




#76
1,2,3-Trichloropropane
Concen: 62.386 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

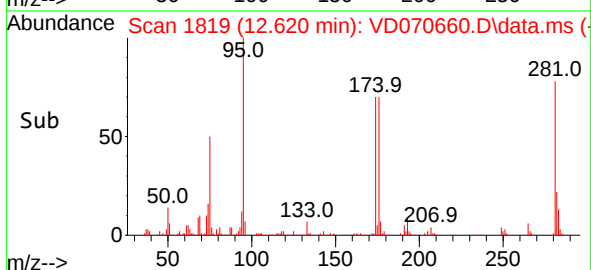
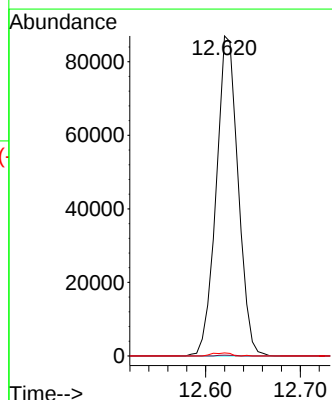
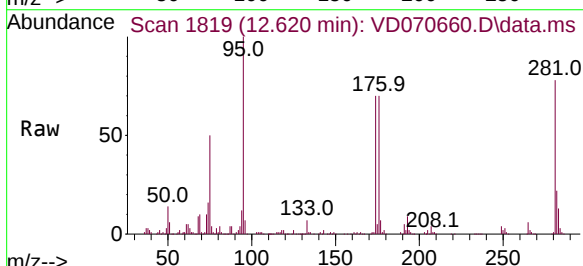
Instrument :
MSVOA_D
ClientSampleId :
TS-3

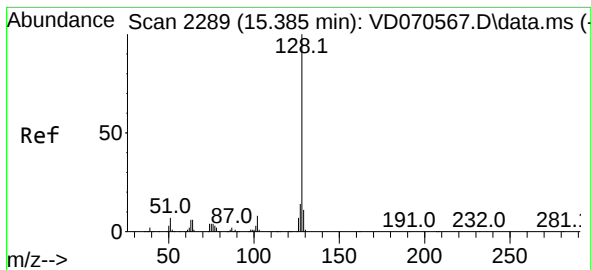
Tgt Ion: 75 Resp: 140163
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.507 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Tgt Ion: 75 Resp: 140163
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.8 35.3 52.9#





#95
Naphthalene
Concen: 2.640 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070660.D
Acq: 11 Oct 2021 15:13

Instrument :
MSVOA_D
ClientSampleId :
TS-3

Tgt Ion:128 Resp: 1247
Ion Ratio Lower Upper
128 100
127 5.2 10.9 16.3#
129 0.0 8.6 12.8#

