

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110821\
 Data File : VD070941.D
 Acq On : 08 Nov 2021 17:55
 Operator : VA/SY
 Sample : M4519-05
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5

Quant Time: Nov 09 02:34:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 08 13:56:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	494296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	922396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	879592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	400978	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	273697	45.084	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.160%
35) Dibromofluoromethane	7.914	113	282930	48.963	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.920%
50) Toluene-d8	10.332	98	1167782	51.989	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.980%
62) 4-Bromofluorobenzene	12.620	95	431513	50.888	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.780%

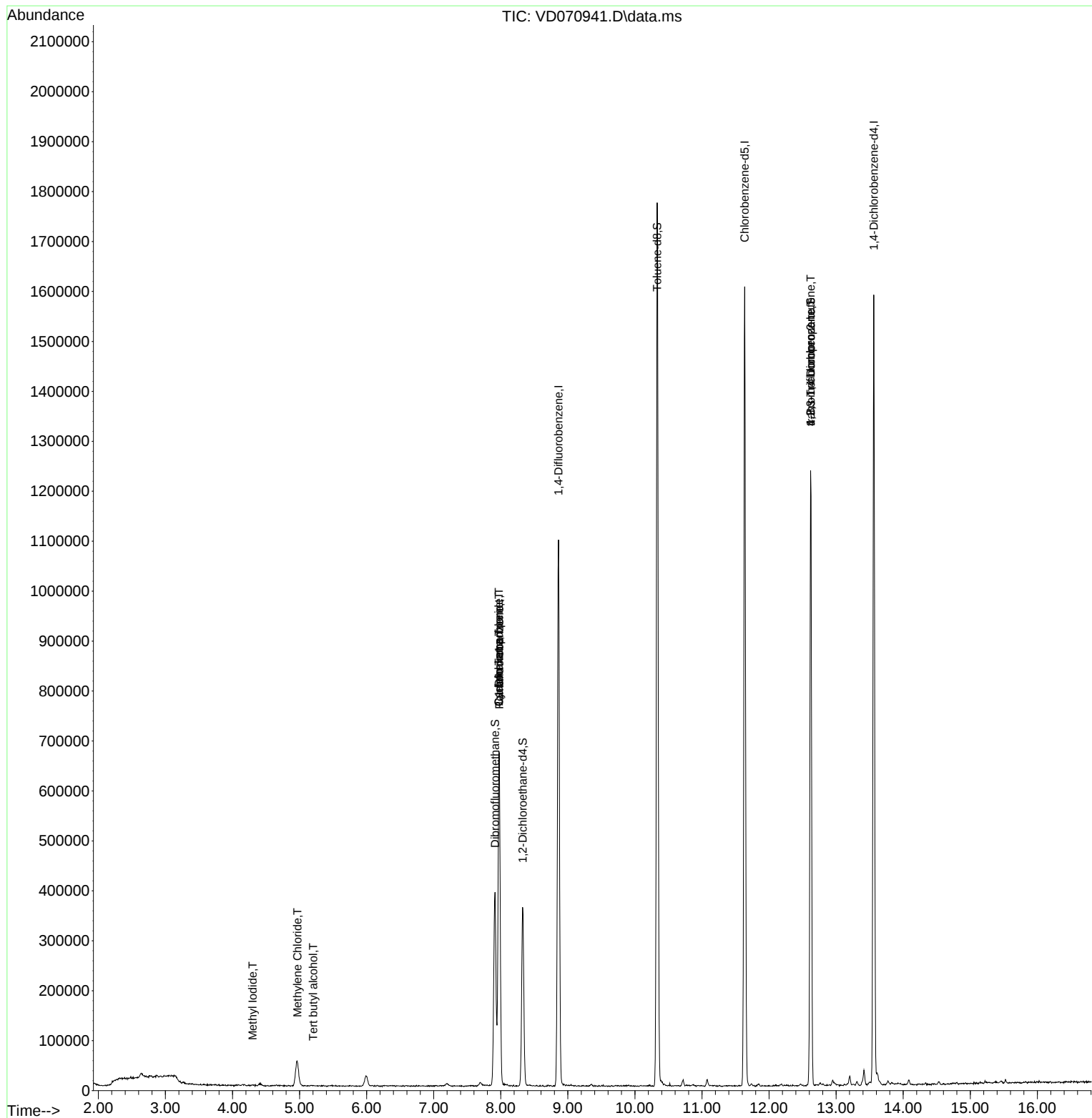
Target Compounds			Qvalue			
10) Methyl Iodide	4.303	142	573	4.534	ug/l #	40
11) Tert butyl alcohol	5.203	59	483	1.228	ug/l #	51
13) Acrolein	3.932	56	239	Below Cal	#	1
16) Acetone	4.150	43	4196	Below Cal	#	85
20) Methylene Chloride	4.967	84	37492	3.414	ug/l	94
31) Cyclohexane	7.973	56	14238	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	43676	4.634	ug/l #	49
38) Carbon Tetrachloride	7.973	117	50309	5.498	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	219447	54.317	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	219447	128.877	ug/l #	18

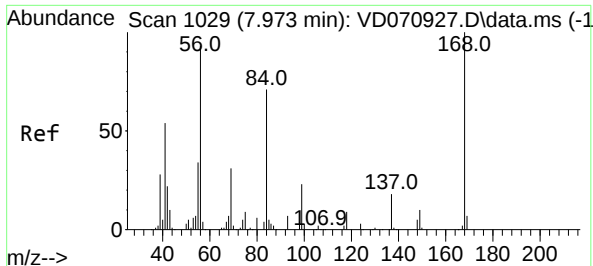
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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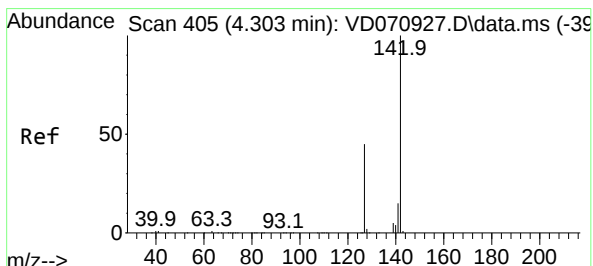
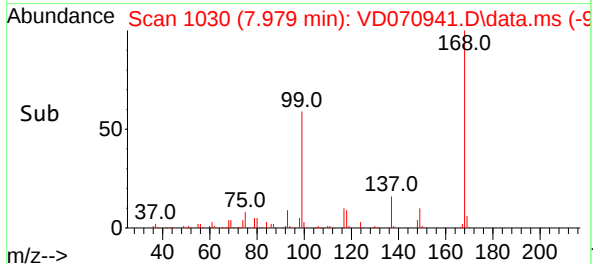
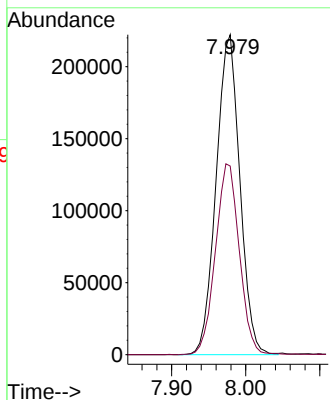
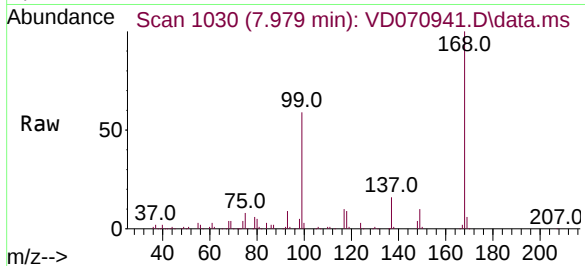




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

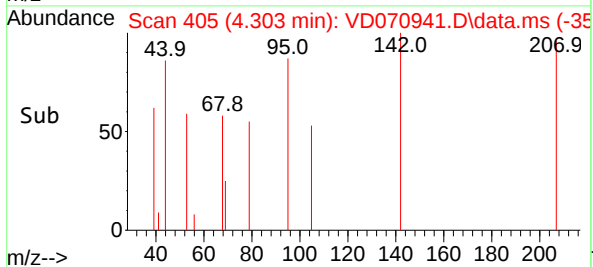
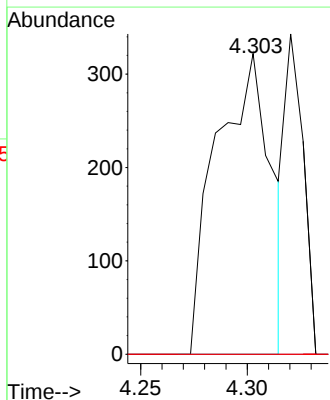
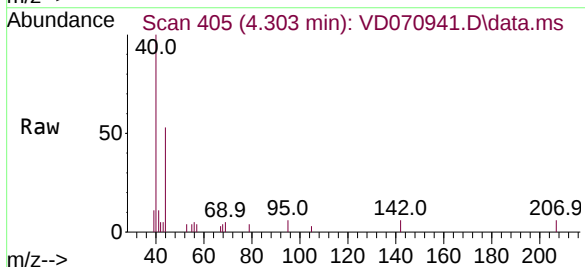
Instrument :
MSVOA_D
ClientSampleId :
SB-5

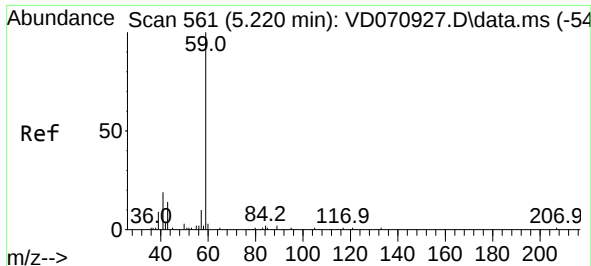
Tgt Ion:168 Resp: 494296
Ion Ratio Lower Upper
168 100
99 59.0 46.6 69.8



#10
Methyl Iodide
Concen: 4.534 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

Tgt Ion:142 Resp: 573
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

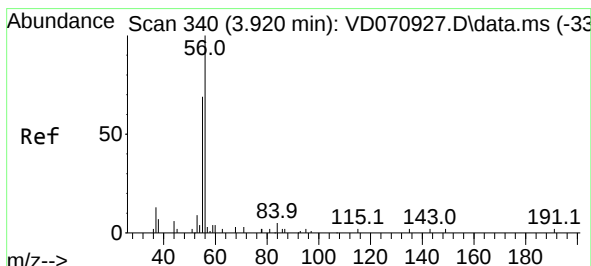
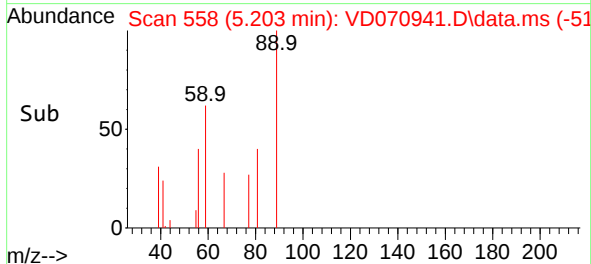
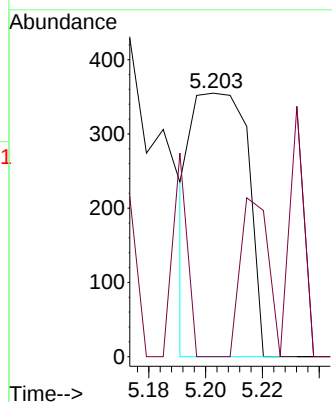
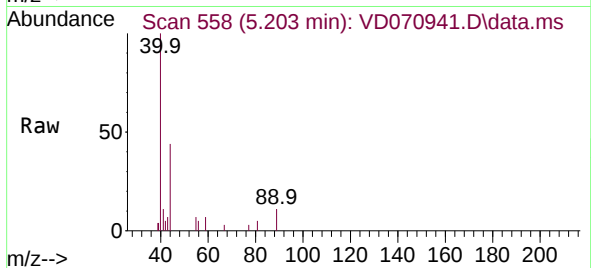




#11
Tert butyl alcohol
Concen: 1.228 ug/l
RT: 5.203 min Scan# 51
Delta R.T. -0.017 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

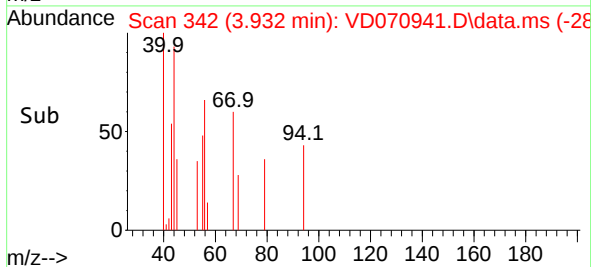
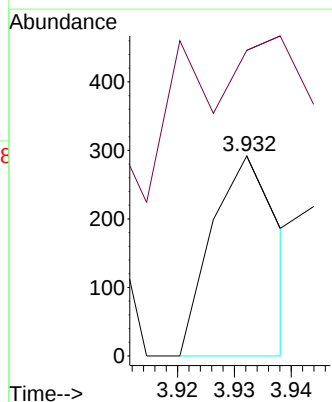
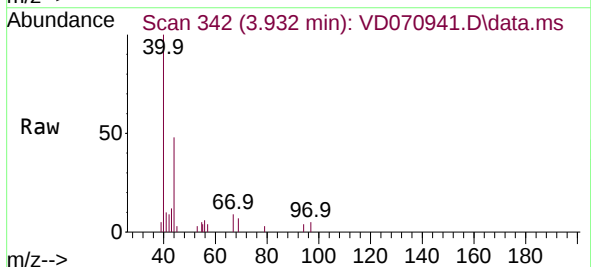
Instrument :
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ClientSampleId :
SB-5

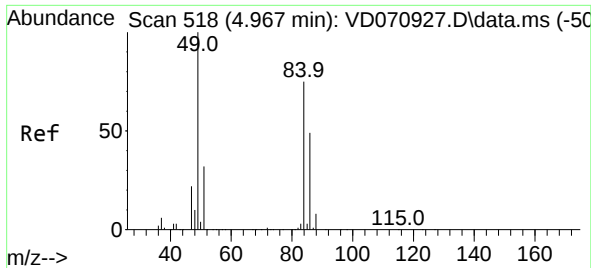
Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 30.0 9.0 13.4#



#13
Acrolein
Concen: Below Cal
RT: 3.932 min Scan# 342
Delta R.T. 0.012 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 190.0 58.6 87.8#

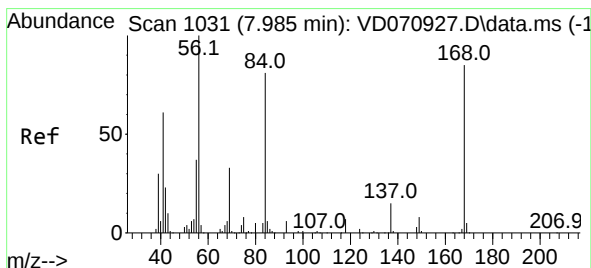
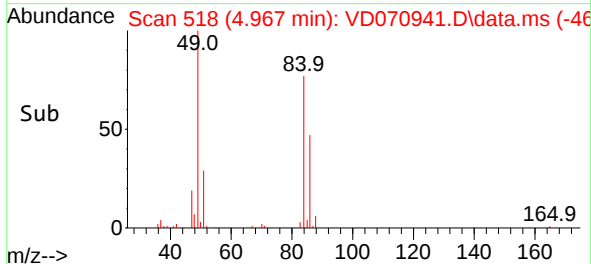
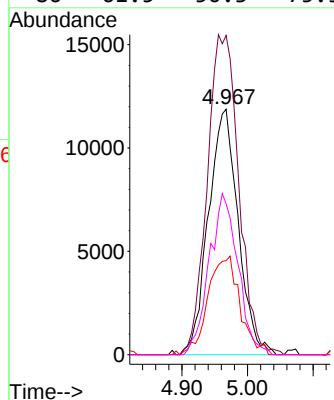
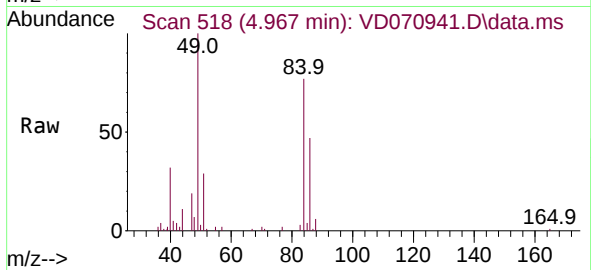




#20
Methylene Chloride
Concen: 3.414 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

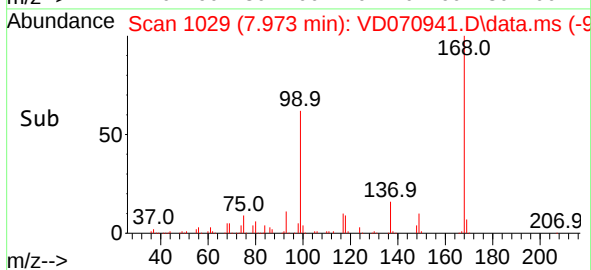
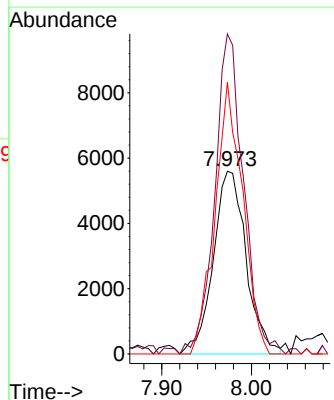
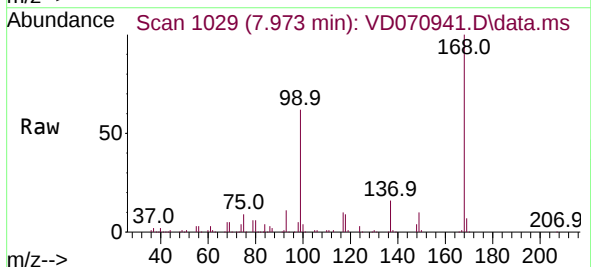
Instrument :
MSVOA_D
ClientSampleId :
SB-5

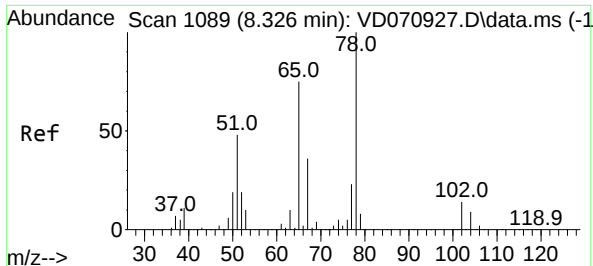
Tgt Ion:	84	Resp:	37492
Ion	Ratio	Lower	Upper
84	100		
49	130.0	95.8	143.6
51	38.3	30.9	46.3
86	61.5	50.3	75.5



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

Tgt Ion:	56	Resp:	14238
Ion	Ratio	Lower	Upper
56	100		
69	175.1	25.9	38.9#
84	148.8	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 45.084 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD070941.D

Acq: 08 Nov 2021 17:55

Instrument :

MSVOA_D

ClientSampleId :

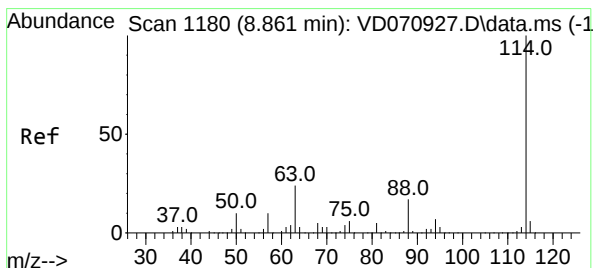
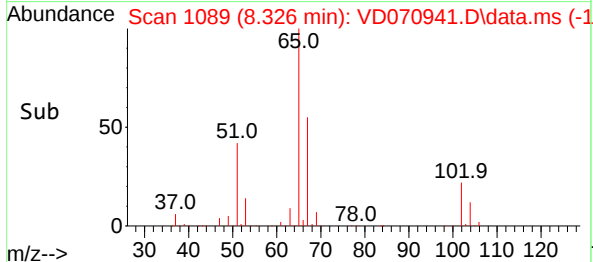
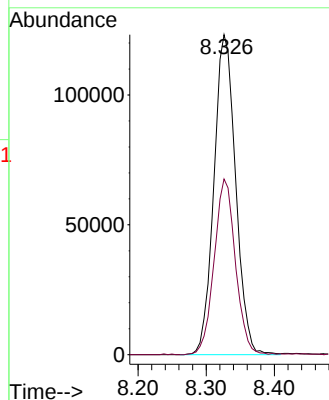
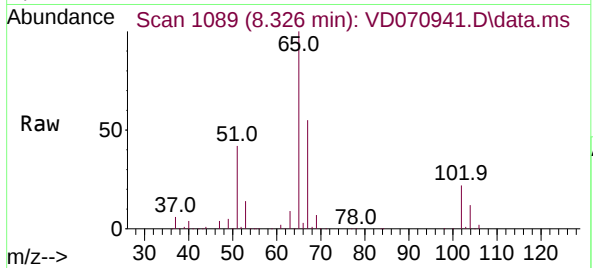
SB-5

Tgt Ion: 65 Resp: 273697

Ion Ratio Lower Upper

65 100

67 53.7 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: VD070941.D

Acq: 08 Nov 2021 17:55

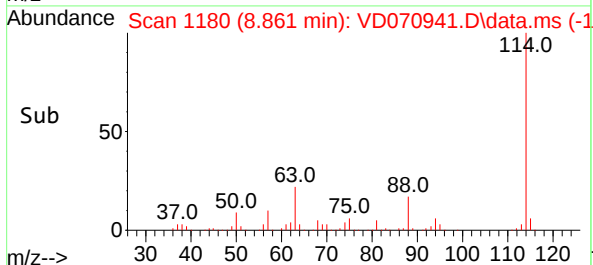
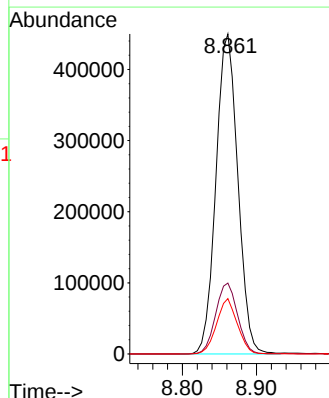
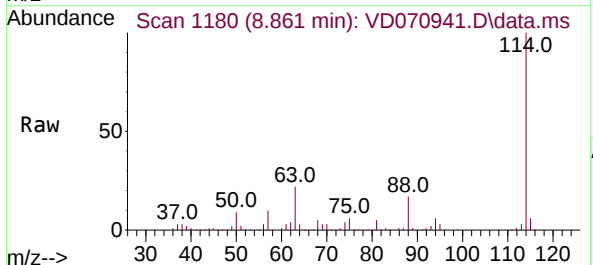
Tgt Ion: 114 Resp: 922396

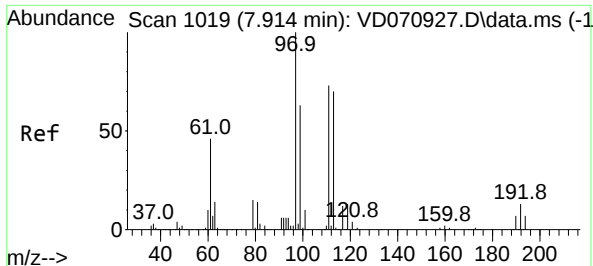
Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 17.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.963 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070941.D

Acq: 08 Nov 2021 17:55

Instrument :

MSVOA_D

ClientSampleId :

SB-5

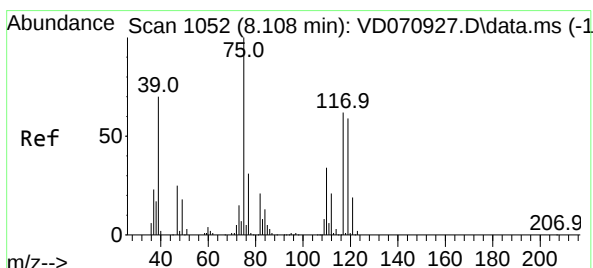
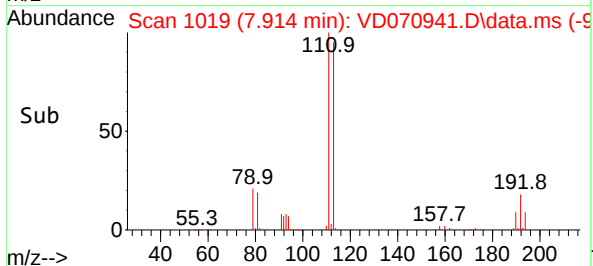
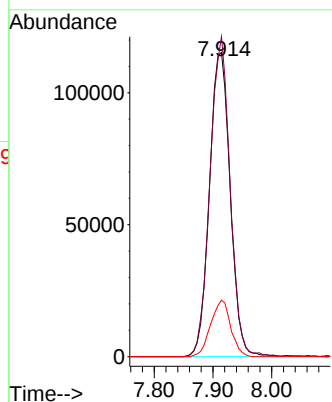
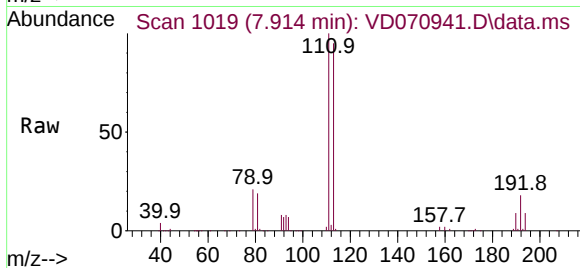
Tgt Ion:113 Resp: 282930

Ion Ratio Lower Upper

113 100

111 102.0 82.0 123.0

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.634 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070941.D

Acq: 08 Nov 2021 17:55

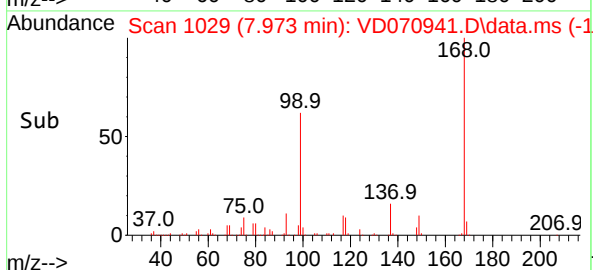
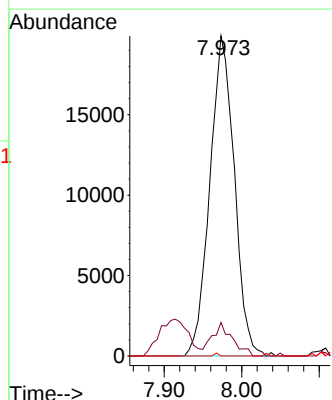
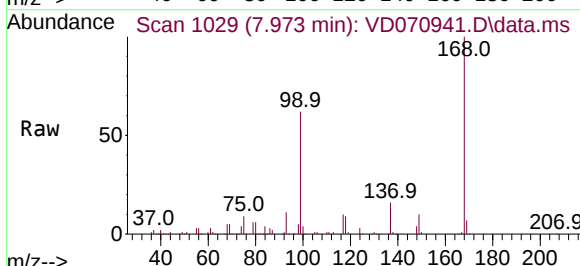
Tgt Ion: 75 Resp: 43676

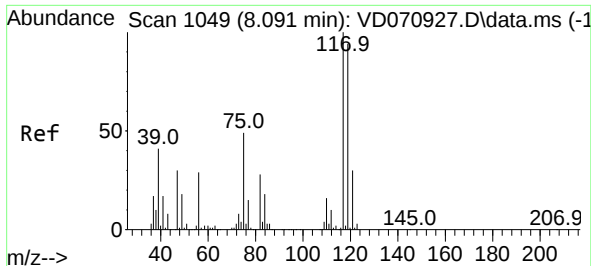
Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.4#

77 0.1 24.8 37.2#

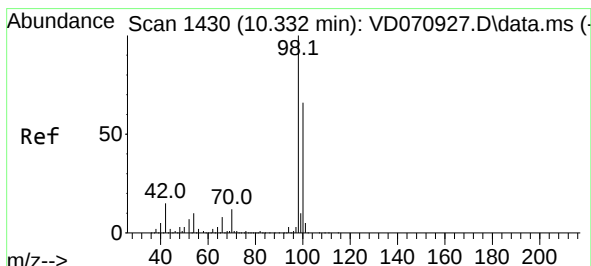
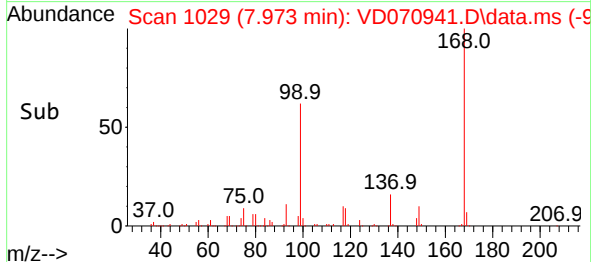
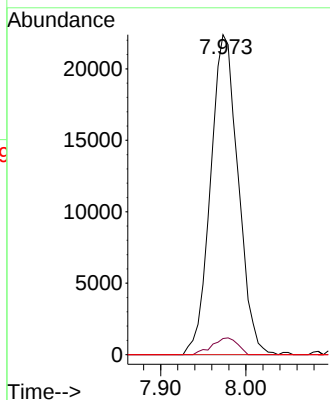
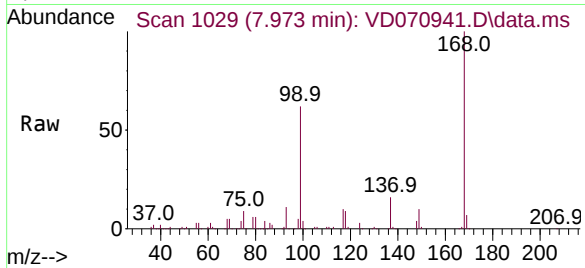




#38
Carbon Tetrachloride
Concen: 5.498 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

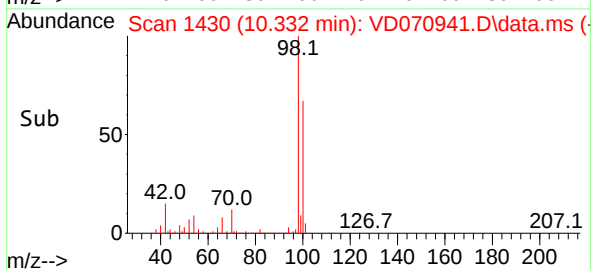
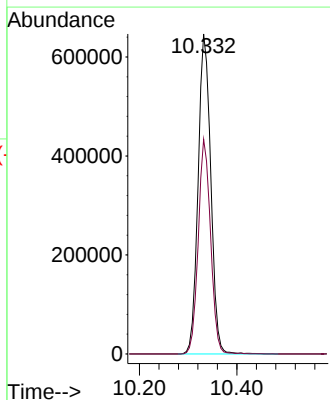
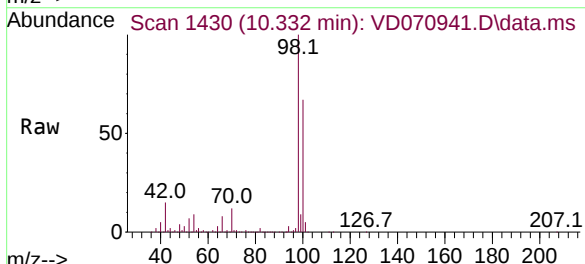
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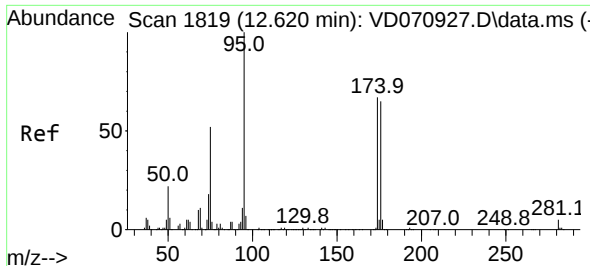
Tgt Ion:117 Resp: 50309
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 51.989 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

Tgt Ion: 98 Resp: 1167782
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.6

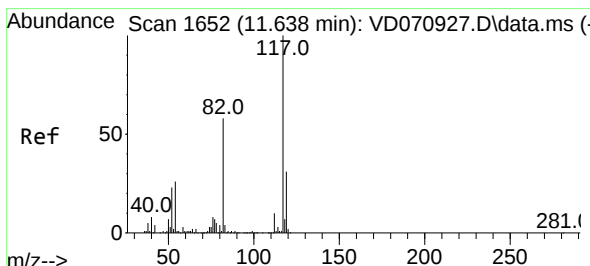
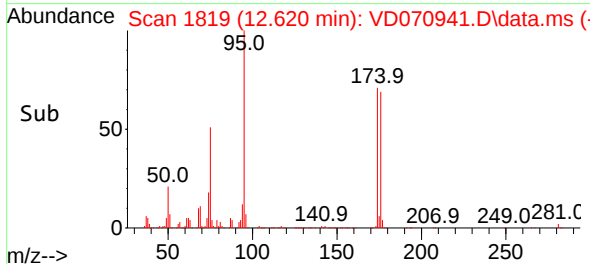
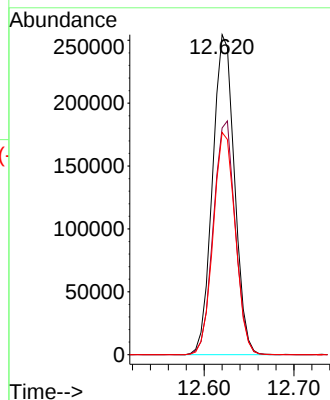
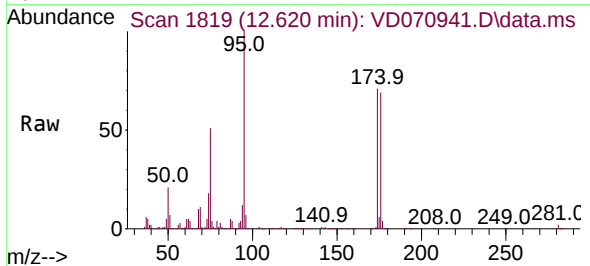




#62
4-Bromofluorobenzene
Concen: 50.888 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

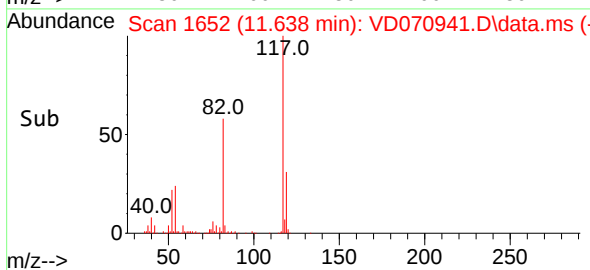
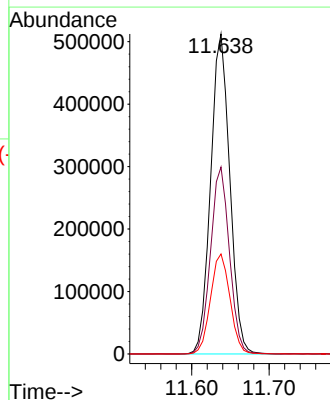
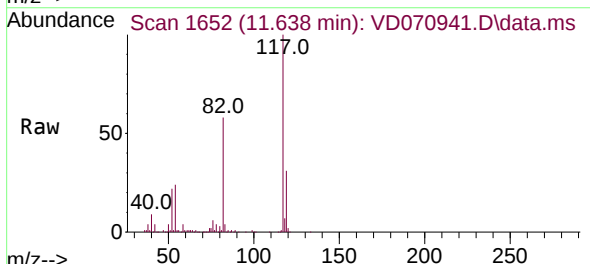
Instrument :
MSVOA_D
ClientSampleId :
SB-5

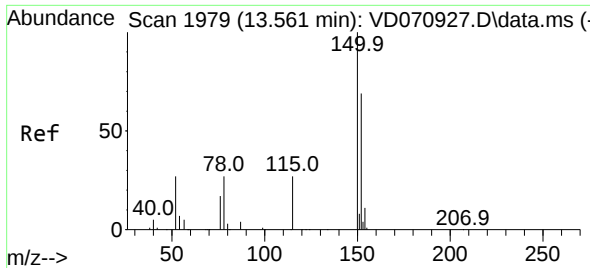
Tgt Ion: 95 Resp: 431513
Ion Ratio Lower Upper
95 100
174 72.9 0.0 159.4
176 69.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

Tgt Ion: 117 Resp: 879592
Ion Ratio Lower Upper
117 100
82 58.4 44.7 67.1
119 31.3 26.2 39.4

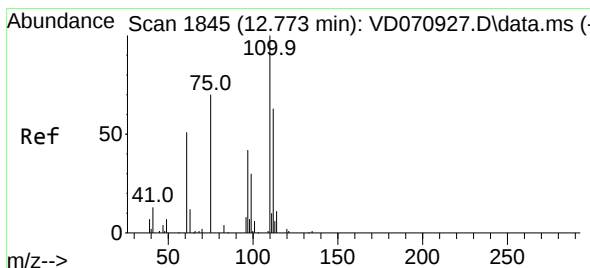
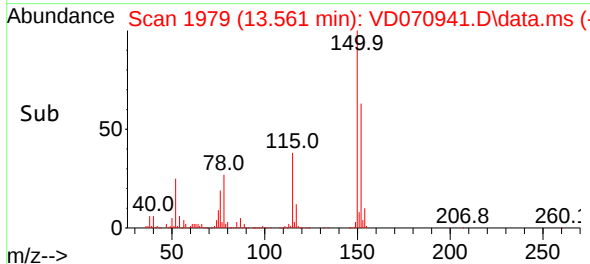
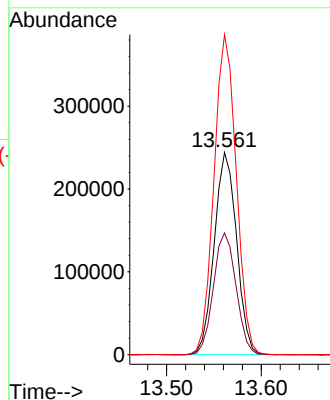
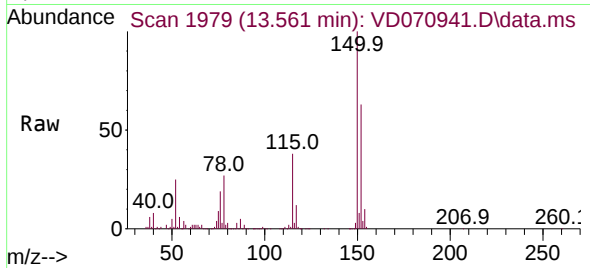




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD070941.D
 Acq: 08 Nov 2021 17:55

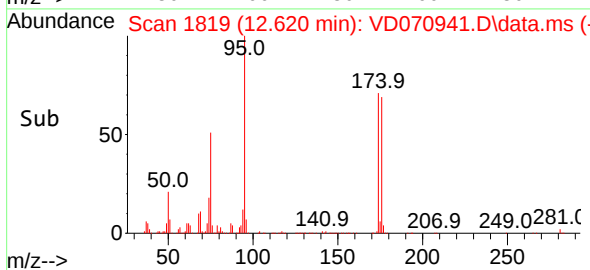
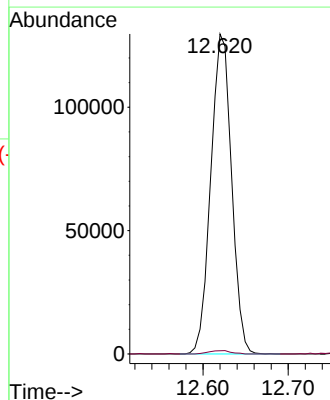
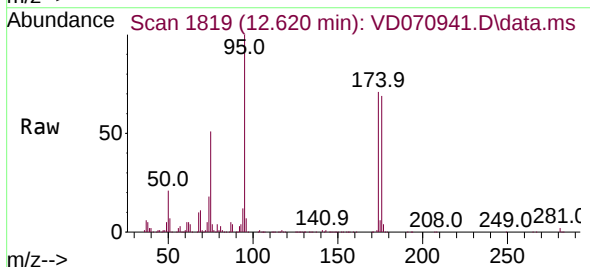
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5

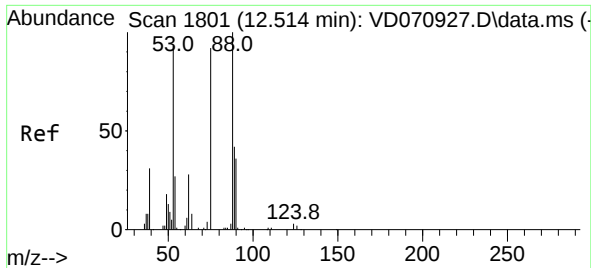
Tgt Ion:152 Resp: 400978
 Ion Ratio Lower Upper
 152 100
 115 61.0 29.8 89.3
 150 158.0 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 54.317 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070941.D
 Acq: 08 Nov 2021 17:55

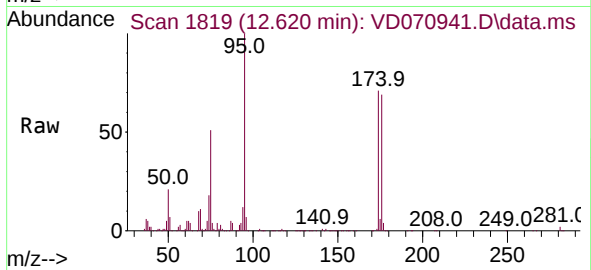
Tgt Ion: 75 Resp: 219447
 Ion Ratio Lower Upper
 75 100
 77 1.1 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.877 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD070941.D
Acq: 08 Nov 2021 17:55

Instrument :
MSVOA_D
ClientSampleId :
SB-5



Tgt Ion: 75 Resp: 219447
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

