

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110821\
 Data File : VD070938.D
 Acq On : 08 Nov 2021 16:31
 Operator : VA/SY
 Sample : M4519-02
 Misc : 5.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Nov 09 02:34:03 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

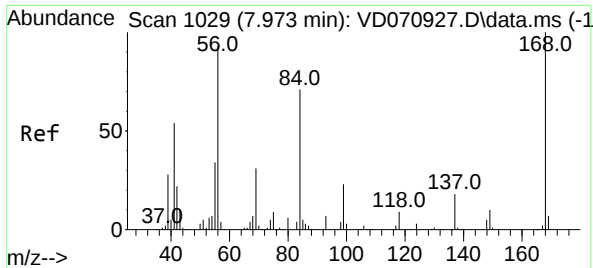
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	299818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	562746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	545306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	199801	54.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.520%	
35) Dibromofluoromethane	7.914	113	176136	49.962	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.920%	
50) Toluene-d8	10.332	98	704843	51.433	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	12.620	95	275532	53.260	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.520%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.315	142	1247	4.747	ug/l #	75
11) Tert butyl alcohol	5.203	59	497	2.084	ug/l #	1
13) Acrolein	3.932	56	305	Below Cal	#	13
16) Acetone	4.150	43	2145	Below Cal	#	78
20) Methylene Chloride	4.967	84	21390	3.041	ug/l #	83
25) 2-Butanone	7.209	43	2380	2.332	ug/l #	45
29) Tetrahydrofuran	7.556	42	2482	3.987	ug/l #	63
31) Cyclohexane	7.985	56	11043	1.533	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	142093	54.576	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	142093	129.493	ug/l #	18

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

Quant Time: Nov 09 02:34:03 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

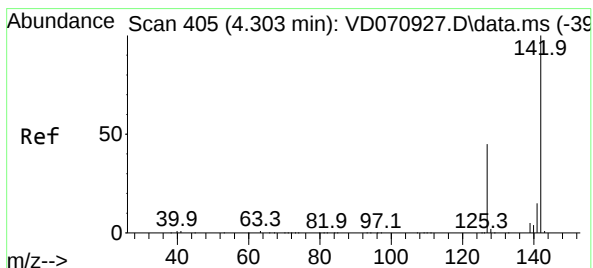
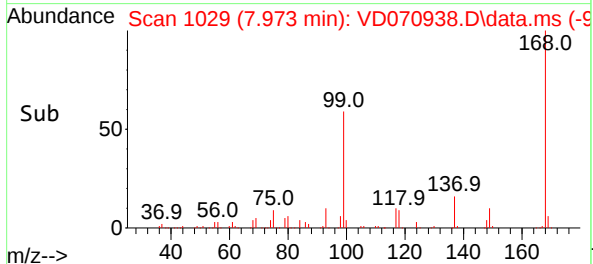
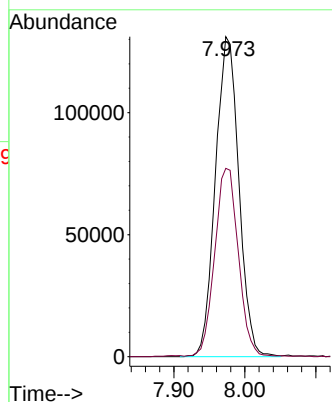
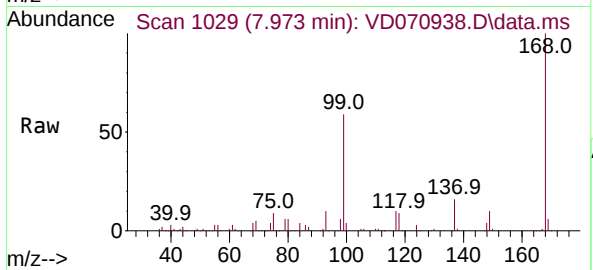




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070938.D
Acq: 08 Nov 2021 16:31

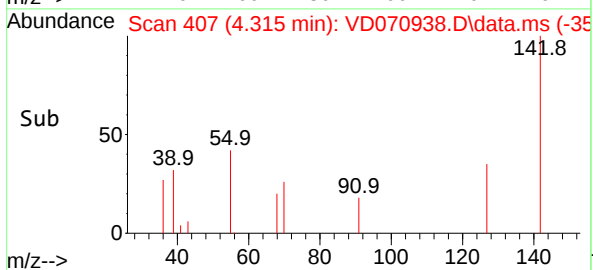
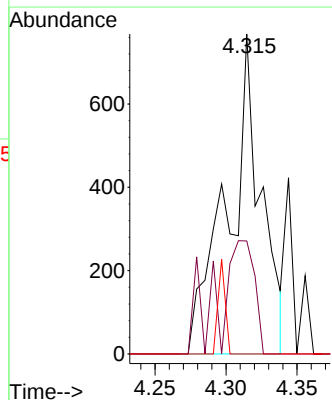
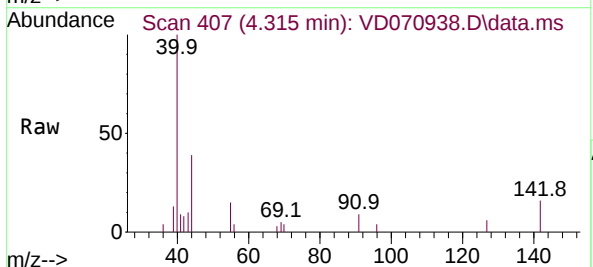
Instrument :
MSVOA_D
ClientSampleId :
SB-2

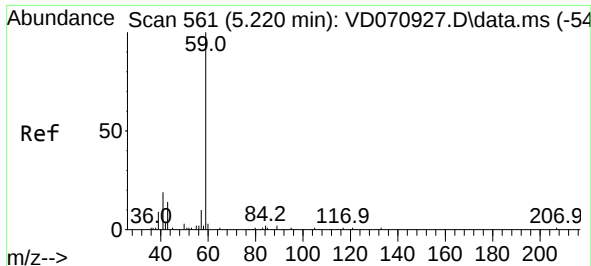
Tgt Ion:168 Resp: 299818
Ion Ratio Lower Upper
168 100
99 58.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.747 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD070938.D
Acq: 08 Nov 2021 16:31

Tgt Ion:142 Resp: 1247
Ion Ratio Lower Upper
142 100
127 26.8 35.0 52.4#
141 6.4 12.0 18.0#

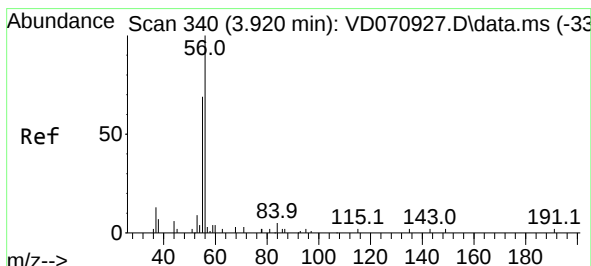
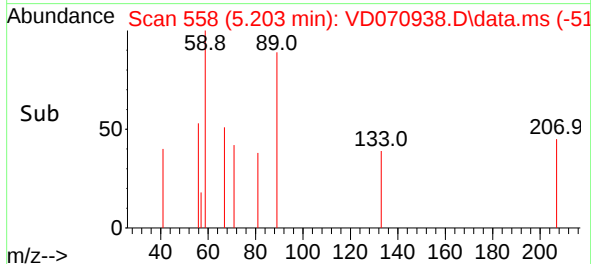
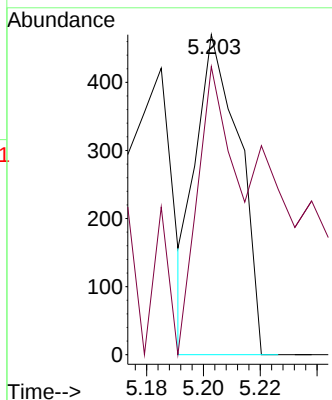
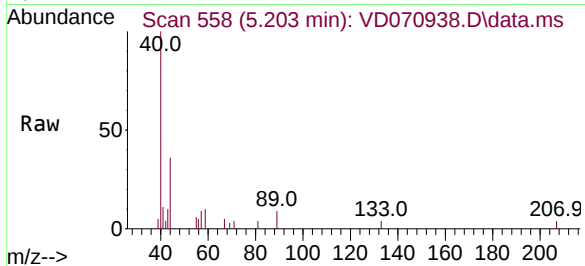




#11
Tert butyl alcohol
Concen: 2.084 ug/l
RT: 5.203 min Scan# 51
Delta R.T. -0.017 min
Lab File: VD070938.D
Acq: 08 Nov 2021 16:31

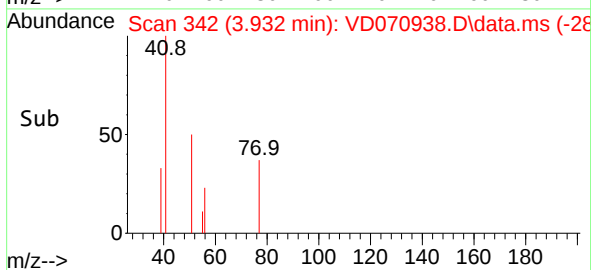
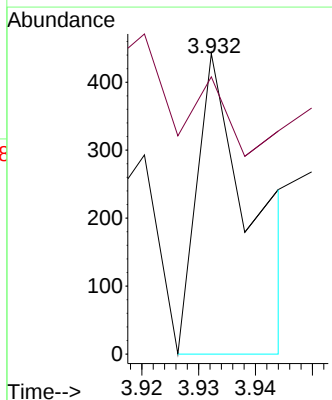
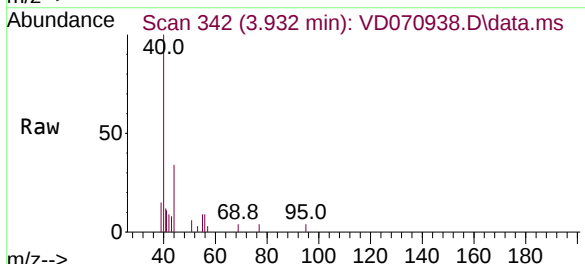
Instrument :
MSVOA_D
ClientSampleId :
SB-2

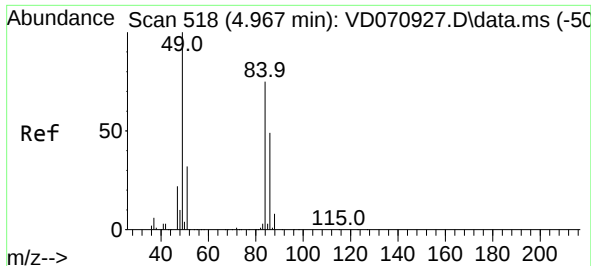
Tgt Ion: 59 Resp: 497
Ion Ratio Lower Upper
59 100
57 190.1 9.0 13.4#



#13
Acrolein
Concen: Below Cal
RT: 3.932 min Scan# 342
Delta R.T. 0.012 min
Lab File: VD070938.D
Acq: 08 Nov 2021 16:31

Tgt Ion: 56 Resp: 305
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

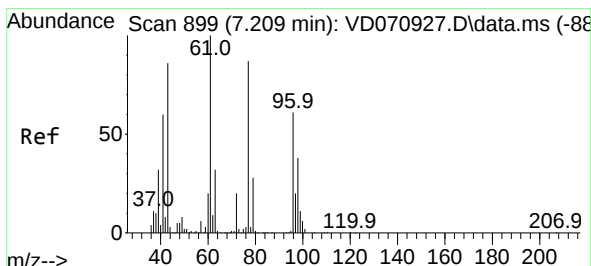
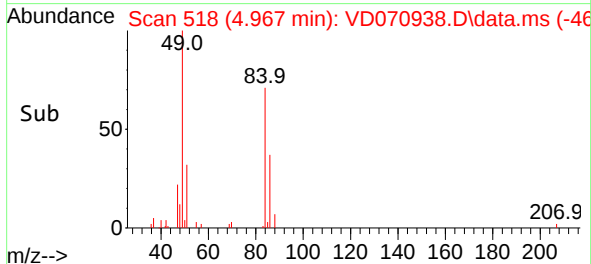
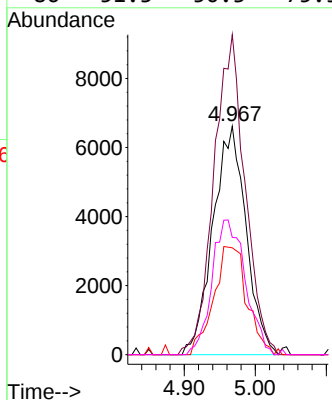
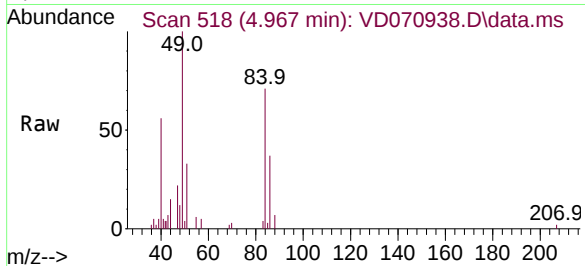




#20
Methylene Chloride
Concen: 3.041 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD070938.D
Acq: 08 Nov 2021 16:31

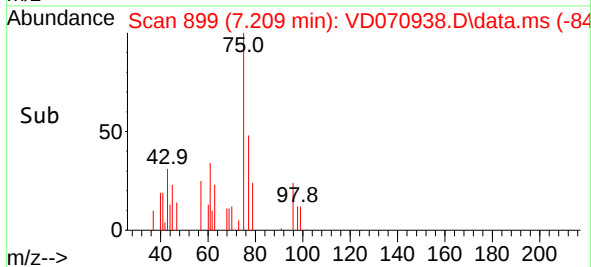
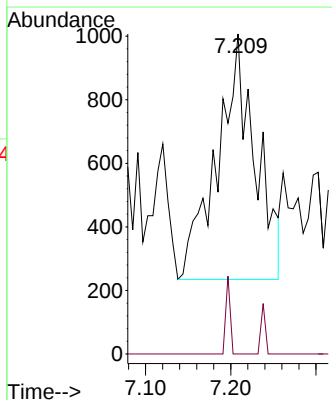
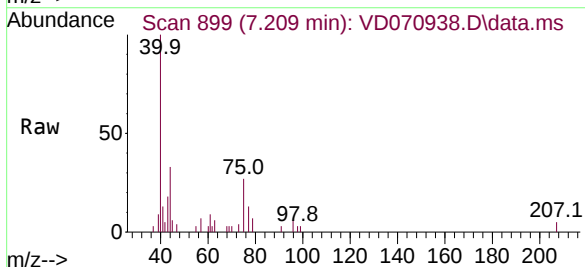
Instrument :
MSVOA_D
ClientSampleId :
SB-2

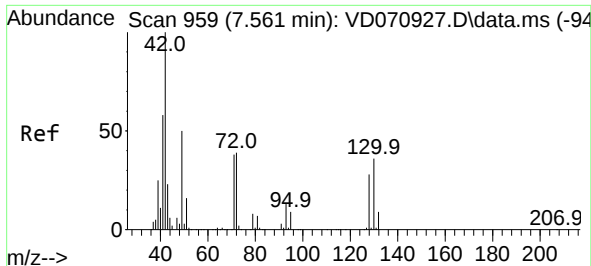
Tgt Ion:	84	Resp:	21390
Ion	Ratio	Lower	Upper
84	100		
49	140.1	95.8	143.6
51	46.8	30.9	46.3#
86	51.3	50.3	75.5



#25
2-Butanone
Concen: 2.332 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070938.D
Acq: 08 Nov 2021 16:31

Tgt Ion:	43	Resp:	2380
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#





#29

Tetrahydrofuran

Concen: 3.987 ug/l

RT: 7.556 min Scan# 91

Delta R.T. -0.005 min

Lab File: VD070938.D

Acq: 08 Nov 2021 16:31

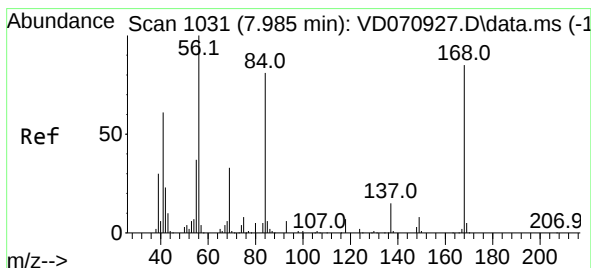
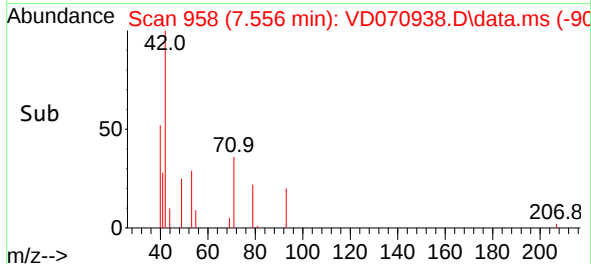
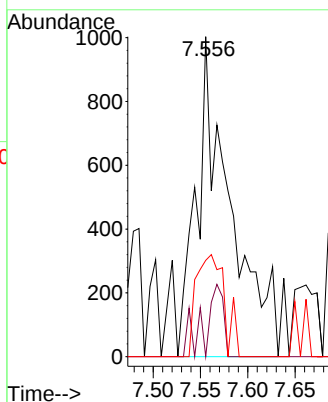
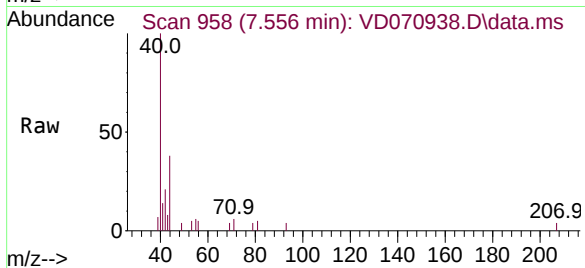
Instrument :

MSVOA_D

ClientSampleId :

SB-2

Tgt Ion:	42	Resp:	2482
Ion	Ratio	Lower	Upper
42	100		
72	10.5	33.7	50.5#
71	26.7	32.7	49.1#



#31

Cyclohexane

Concen: 1.533 ug/l

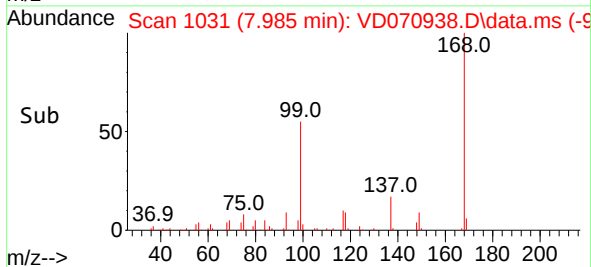
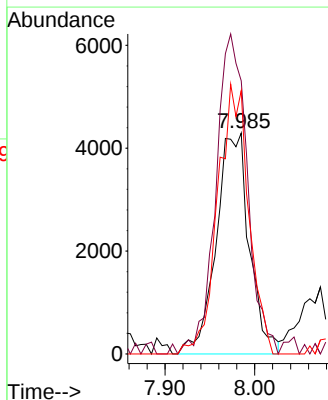
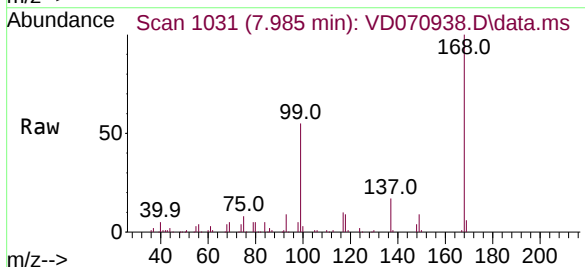
RT: 7.985 min Scan# 1031

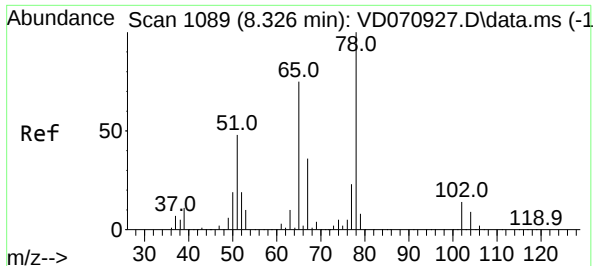
Delta R.T. -0.000 min

Lab File: VD070938.D

Acq: 08 Nov 2021 16:31

Tgt Ion:	56	Resp:	11043
Ion	Ratio	Lower	Upper
56	100		
69	123.6	25.9	38.9#
84	119.2	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 54.259 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD070938.D

Acq: 08 Nov 2021 16:31

Instrument :

MSVOA_D

ClientSampleId :

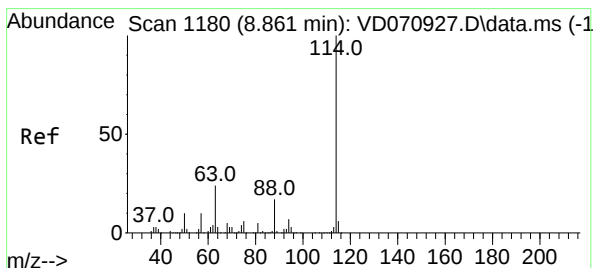
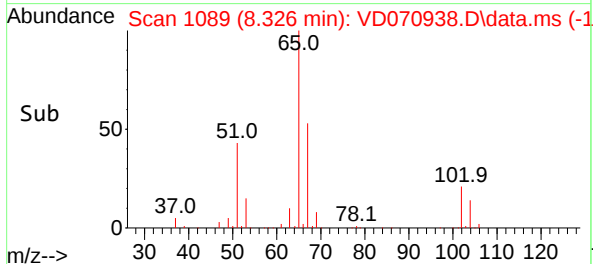
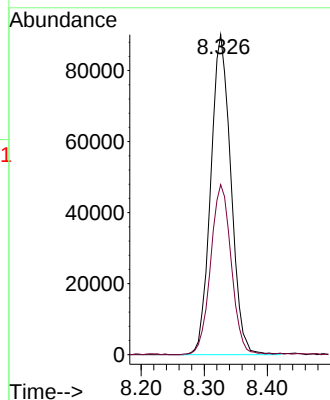
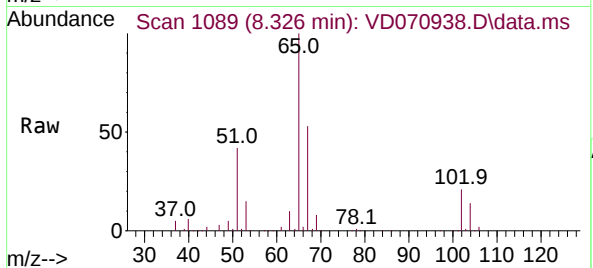
SB-2

Tgt Ion: 65 Resp: 199801

Ion Ratio Lower Upper

65 100

67 54.4 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: VD070938.D

Acq: 08 Nov 2021 16:31

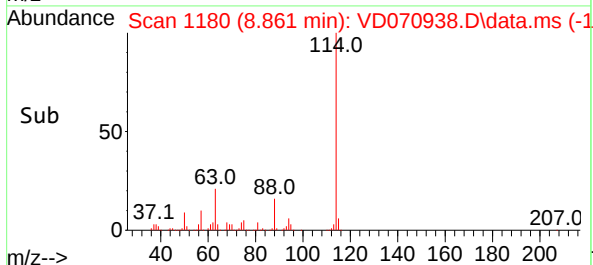
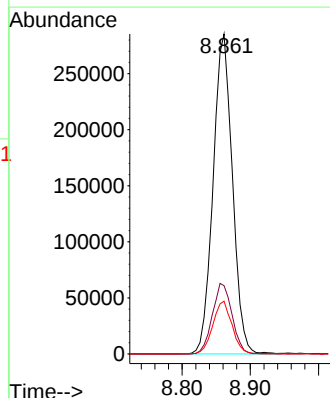
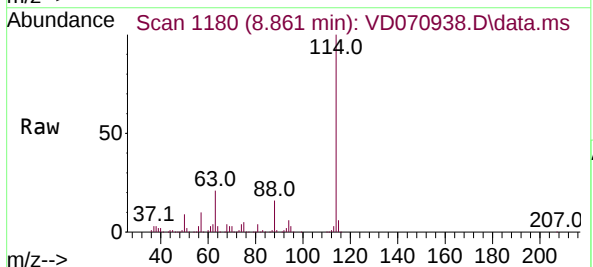
Tgt Ion: 114 Resp: 562746

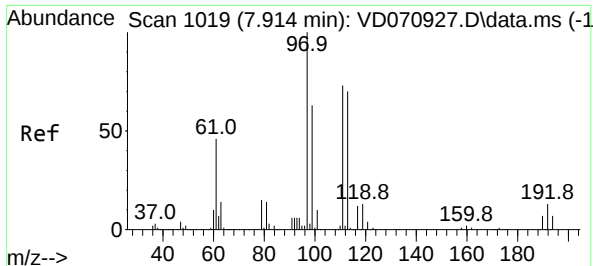
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.962 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070938.D

Acq: 08 Nov 2021 16:31

Instrument :

MSVOA_D

ClientSampleId :

SB-2

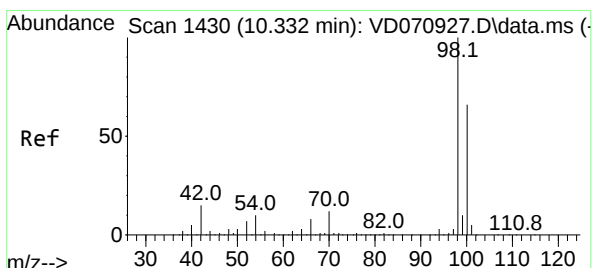
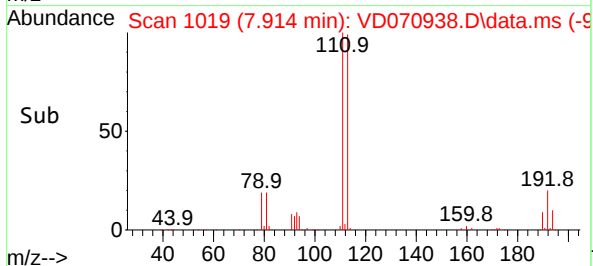
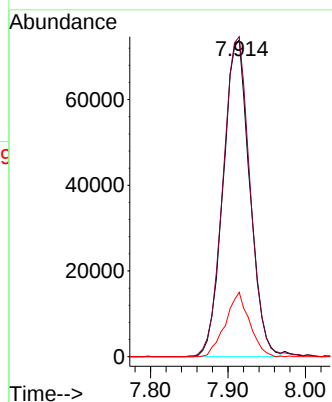
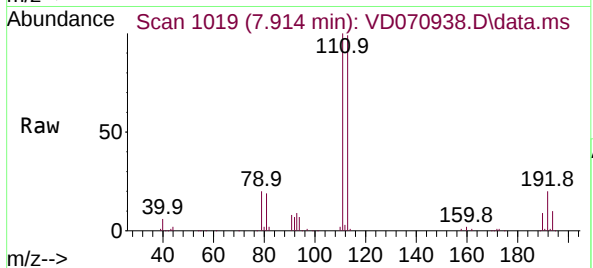
Tgt Ion:113 Resp: 176136

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.5 15.2 22.8



#50

Toluene-d8

Concen: 51.433 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD070938.D

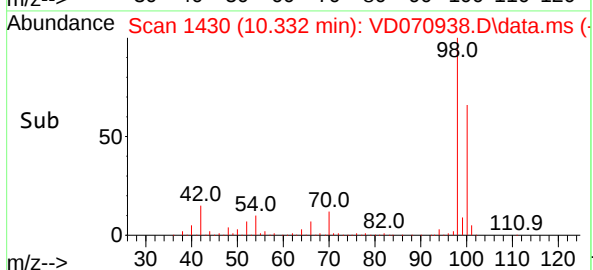
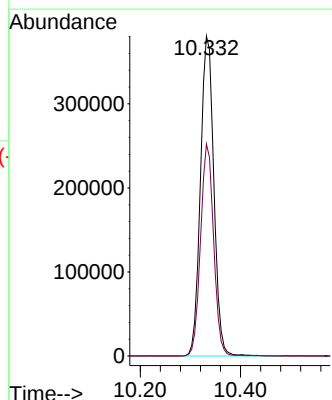
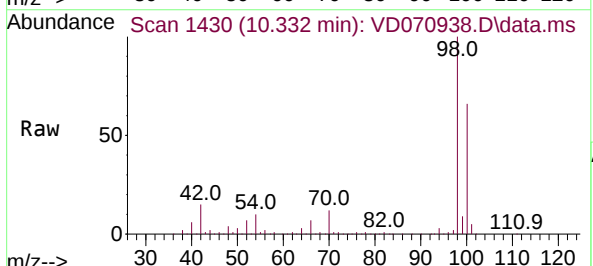
Acq: 08 Nov 2021 16:31

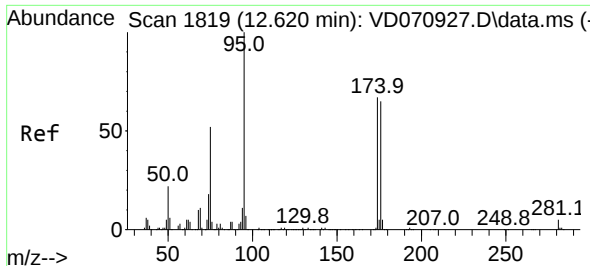
Tgt Ion: 98 Resp: 704843

Ion Ratio Lower Upper

98 100

100 64.8 51.8 77.6

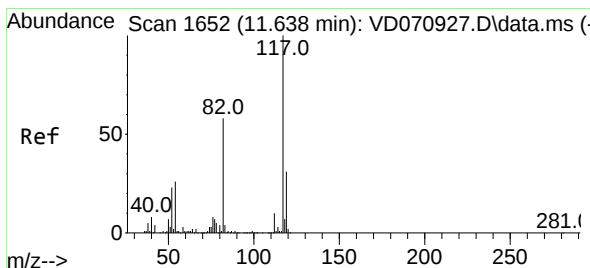
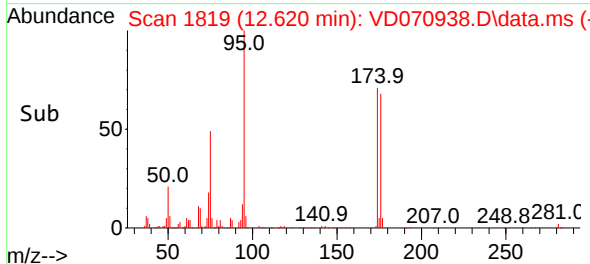
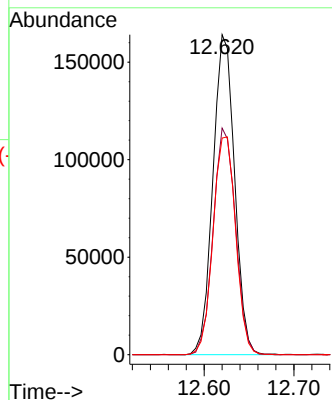
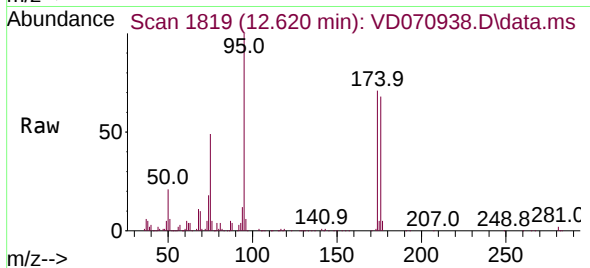




#62
4-Bromofluorobenzene
Concen: 53.260 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070938.D
Acq: 08 Nov 2021 16:31

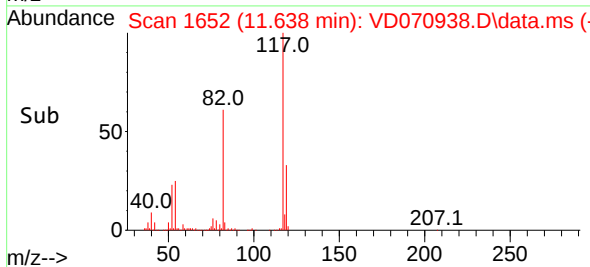
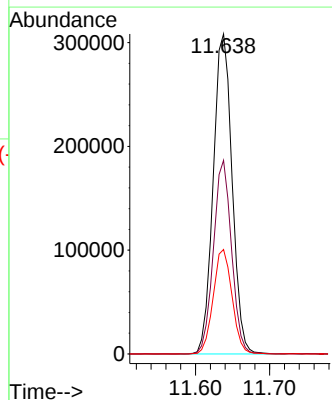
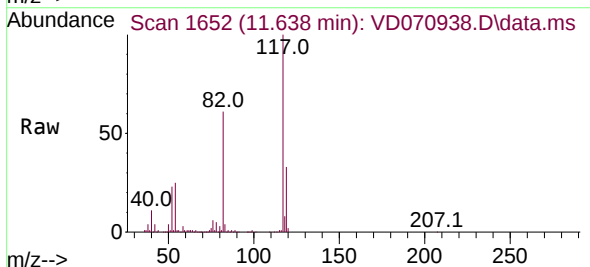
Instrument :
MSVOA_D
ClientSampleId :
SB-2

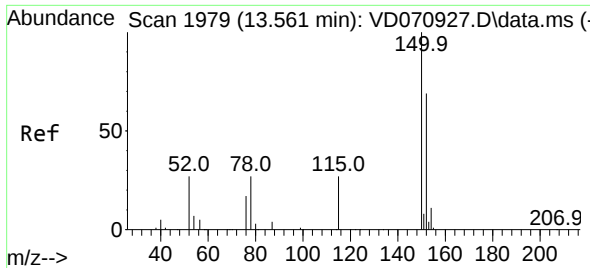
Tgt Ion: 95 Resp: 275532
Ion Ratio Lower Upper
95 100
174 72.8 0.0 159.4
176 71.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070938.D
Acq: 08 Nov 2021 16:31

Tgt Ion: 117 Resp: 545306
Ion Ratio Lower Upper
117 100
82 60.5 44.7 67.1
119 32.7 26.2 39.4

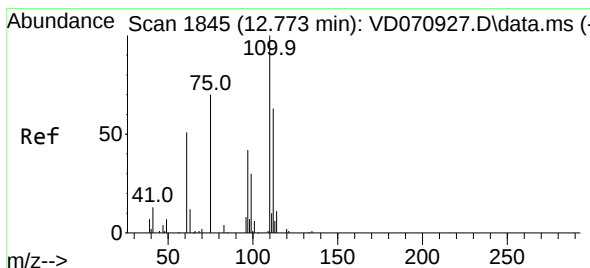
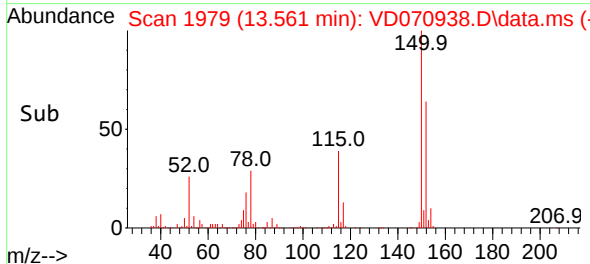
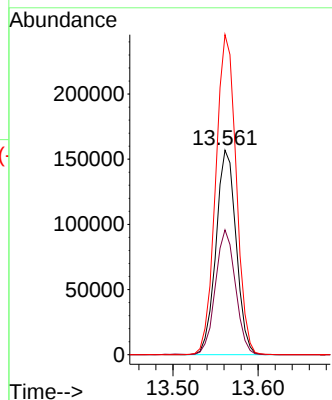
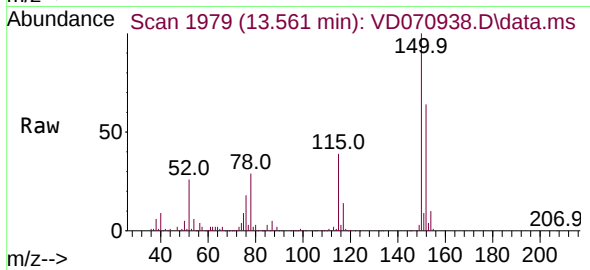




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD070938.D
 Acq: 08 Nov 2021 16:31

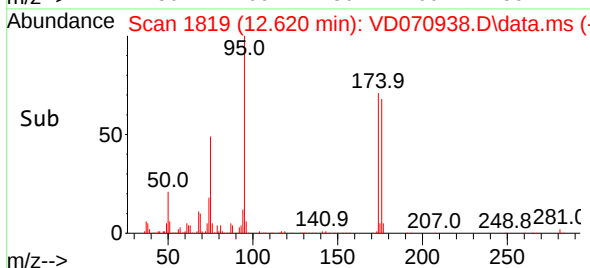
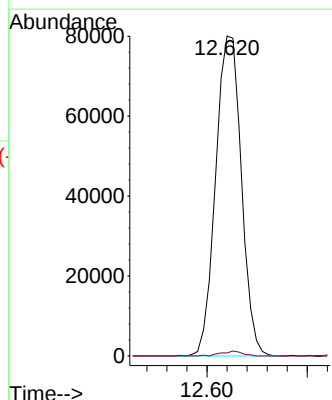
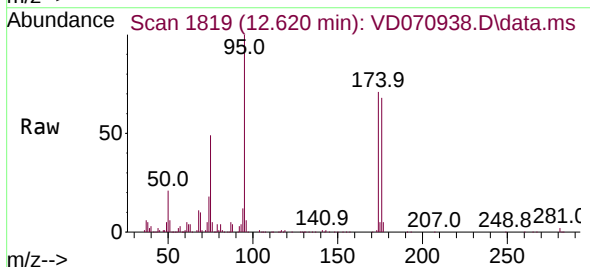
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

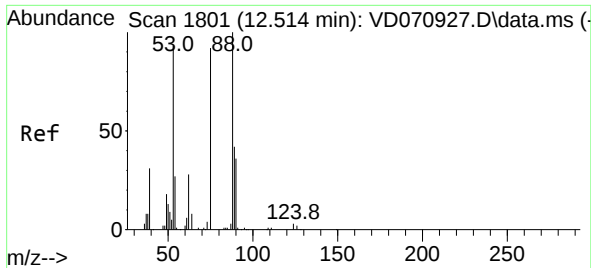
Tgt Ion:152 Resp: 258400
 Ion Ratio Lower Upper
 152 100
 115 60.6 29.8 89.3
 150 158.8 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 54.576 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070938.D
 Acq: 08 Nov 2021 16:31

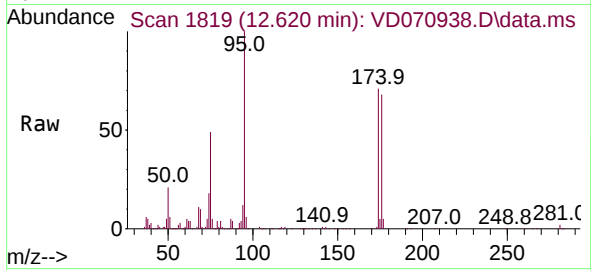
Tgt Ion: 75 Resp: 142093
 Ion Ratio Lower Upper
 75 100
 77 1.3 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.493 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD070938.D
 Acq: 08 Nov 2021 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2



Tgt Ion: 75 Resp: 142093
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

