

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073903.D
 Acq On : 21 Jul 2022 18:37
 Operator : VA/SY
 Sample : N3814-08
 Misc : 6.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-2(5-10)

Quant Time: Jul 22 01:20:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

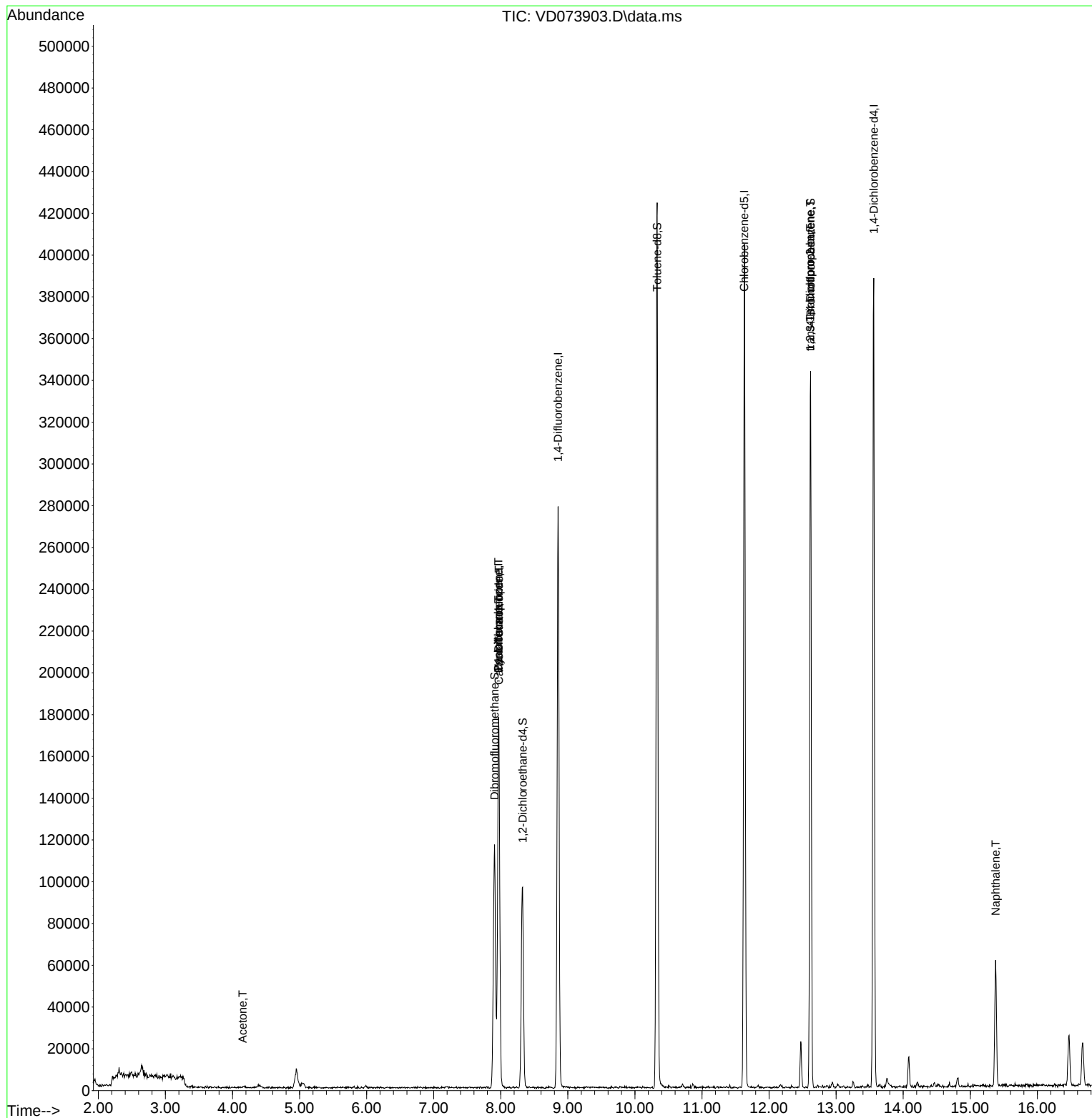
Internal Standards						
1) Pentafluorobenzene	7.967	168	124059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	232798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	219158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	97522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	76810	51.849	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.700%			
35) Dibromofluoromethane	7.908	113	80784	49.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.380%			
50) Toluene-d8	10.332	98	288292	48.354	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.700%			
62) 4-Bromofluorobenzene	12.620	95	97328	47.480	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.960%			
Target Compounds						
3) Chloromethane	2.209	50	1259	Below Cal	Qvalue 99	
16) Acetone	4.150	43	503	2.069 ug/l #	47	
18) Methyl Acetate	4.708	43	142	Below Cal #	55	
20) Methylene Chloride	4.950	84	6323	Below Cal #	87	
31) Cyclohexane	7.967	56	2820	1.198 ug/l #	1	
36) 1,1-Dichloropropene	7.967	75	10896	4.599 ug/l #	49	
38) Carbon Tetrachloride	7.973	117	13535	5.002 ug/l #	15	
76) 1,2,3-Trichloropropane	12.614	75	54381	51.971 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.614	75	54381	140.241 ug/l #	7	
95) Naphthalene	15.379	128	51710	15.866 ug/l	100	

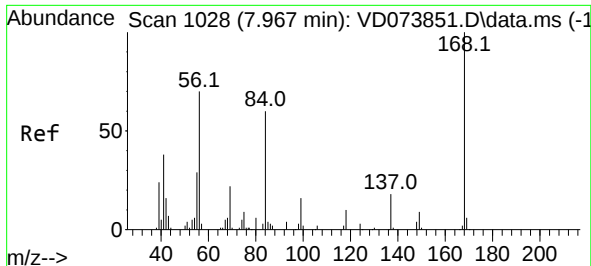
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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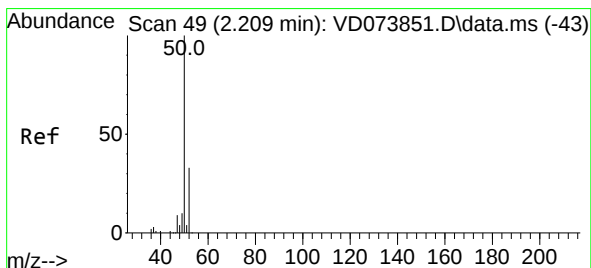
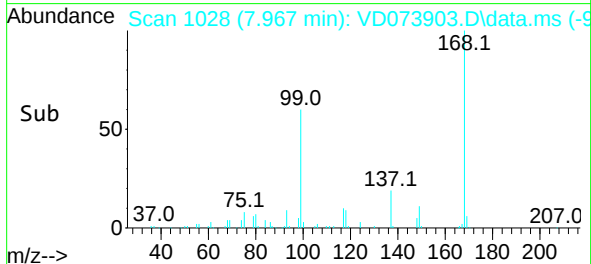
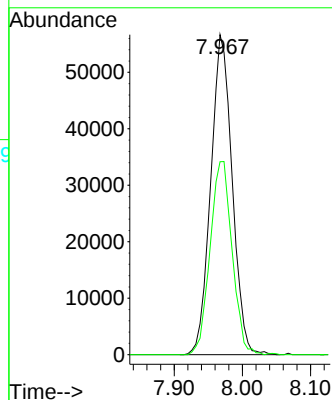
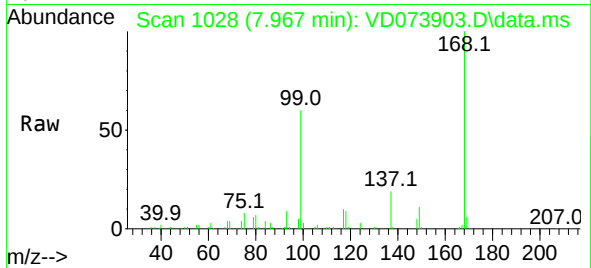




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

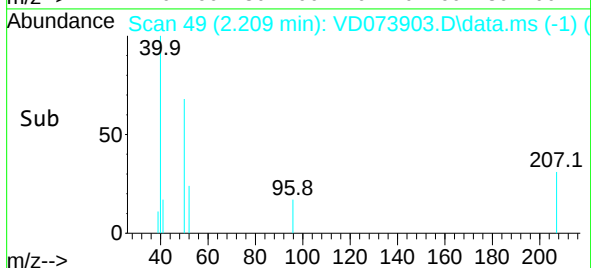
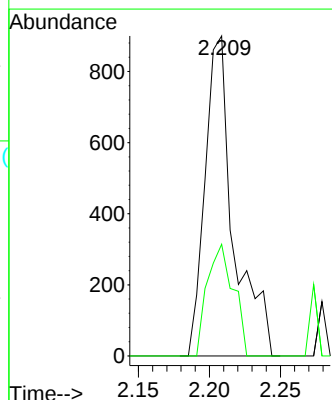
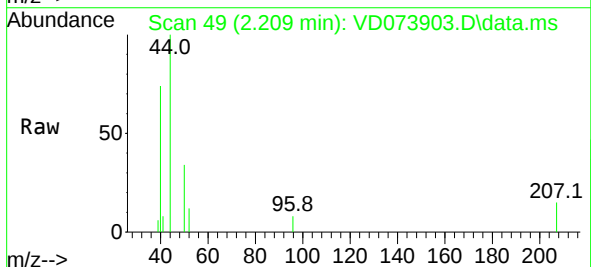
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(5-10)

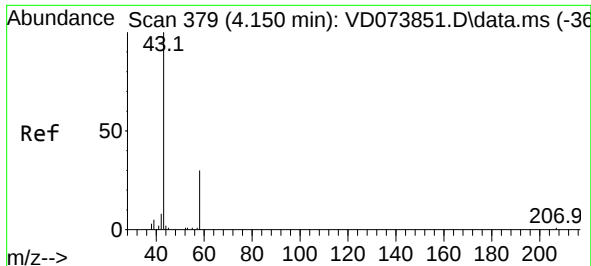
Tgt Ion:168 Resp: 124059
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

Tgt Ion: 50 Resp: 1259
Ion Ratio Lower Upper
50 100
52 34.9 27.4 41.0

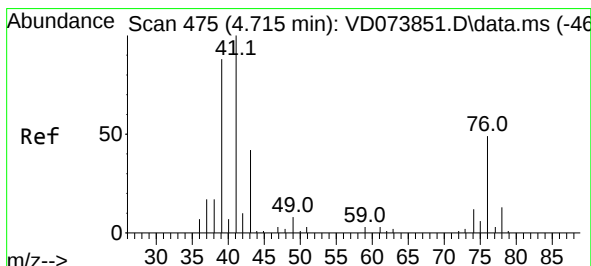
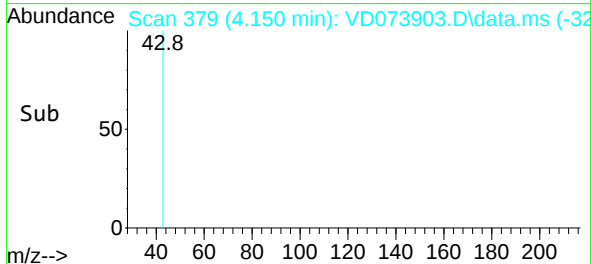
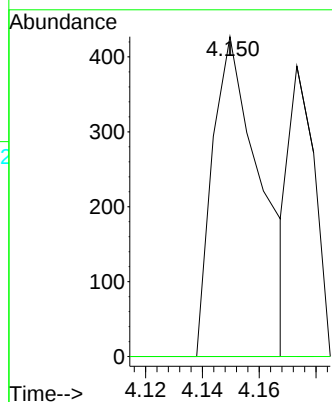
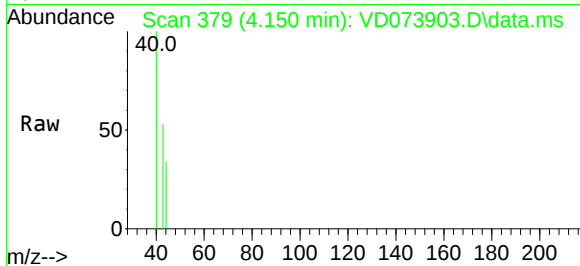




#16
Acetone
Concen: 2.069 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

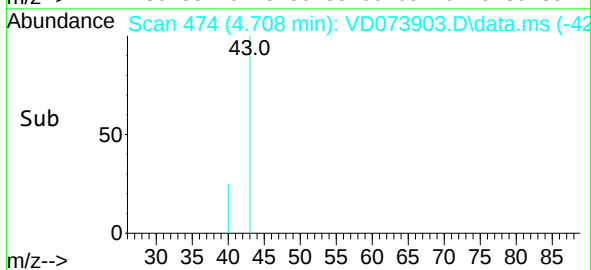
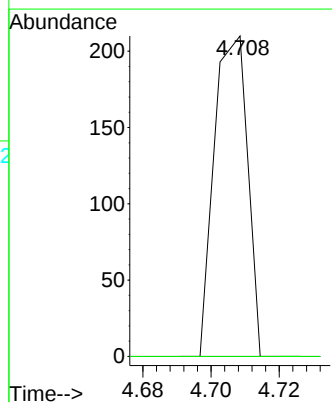
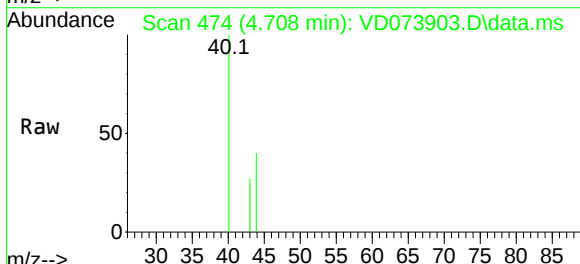
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(5-10)

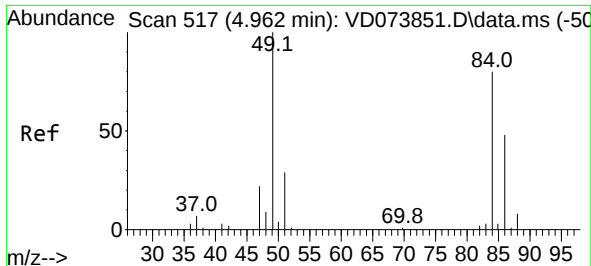
Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.708 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

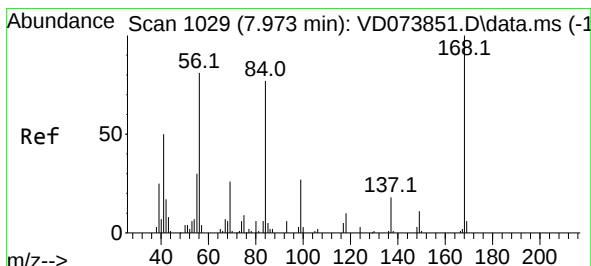
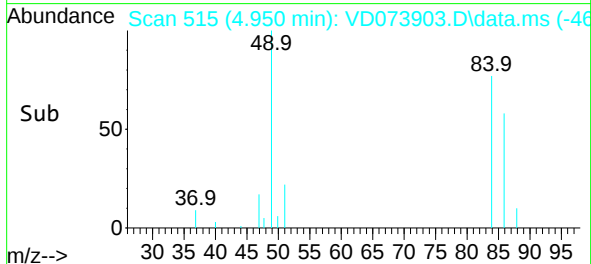
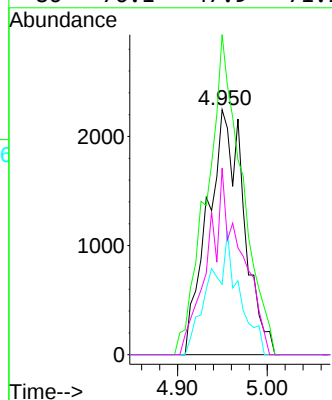
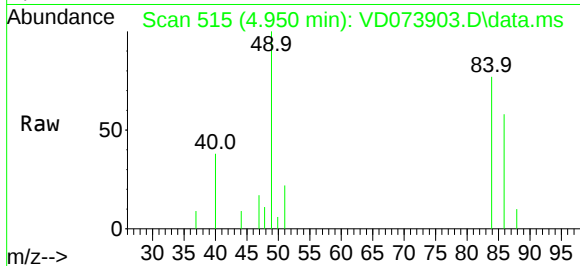




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 517
Delta R.T. -0.012 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

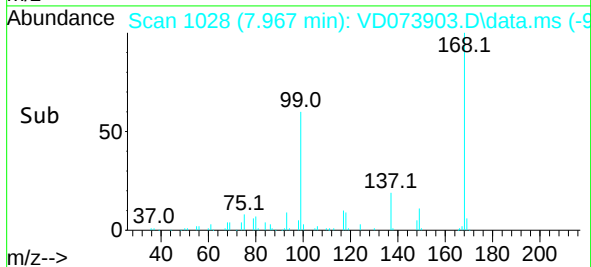
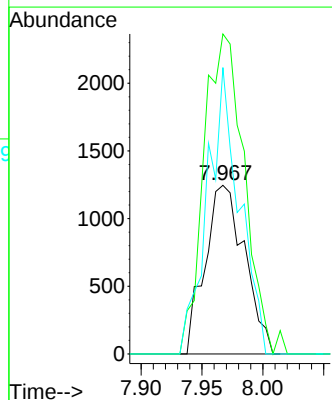
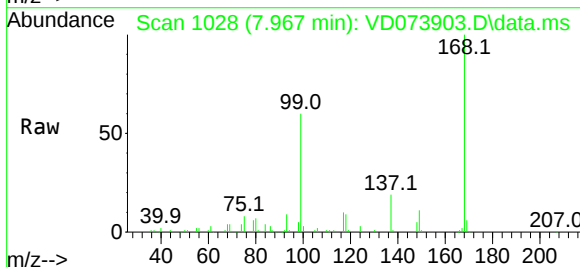
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(5-10)

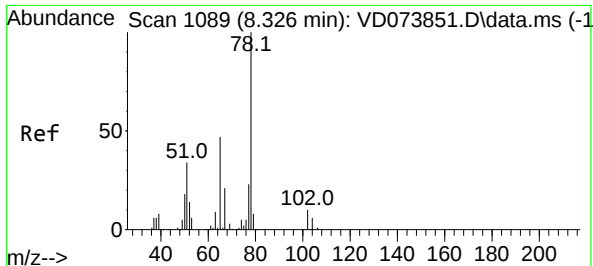
Tgt Ion:	84	Resp:	6323
Ion	Ratio	Lower	Upper
84	100		
49	130.6	112.8	169.2
51	28.8	32.6	48.8#
86	76.1	47.9	71.9#



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

Tgt Ion:	56	Resp:	2820
Ion	Ratio	Lower	Upper
56	100		
69	189.7	25.4	38.2#
84	169.8	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.849 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073903.D

Acq: 21 Jul 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :

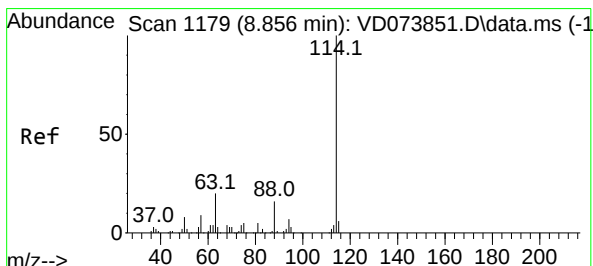
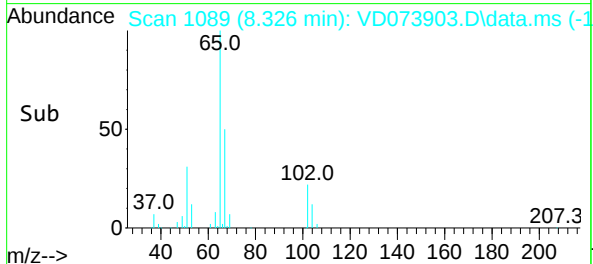
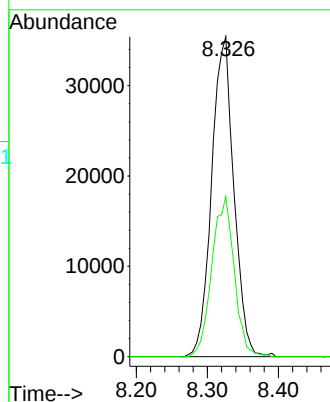
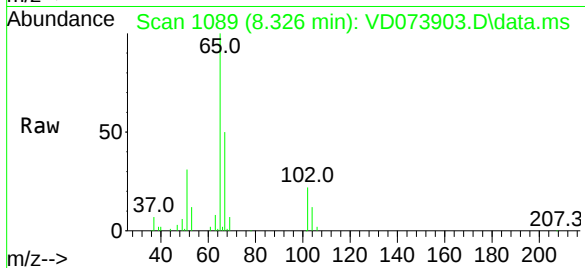
ENV-DE-2(5-10)

Tgt Ion: 65 Resp: 76810

Ion Ratio Lower Upper

65 100

67 50.3 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: VD073903.D

Acq: 21 Jul 2022 18:37

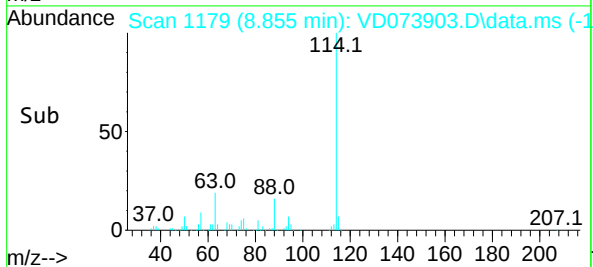
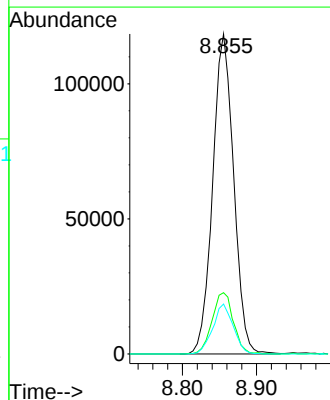
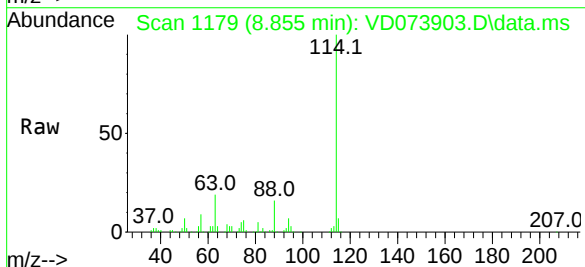
Tgt Ion: 114 Resp: 232798

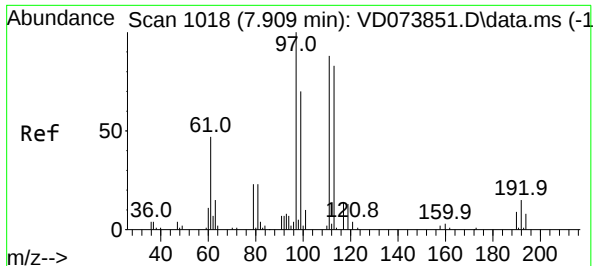
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.188 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073903.D

Acq: 21 Jul 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-2(5-10)

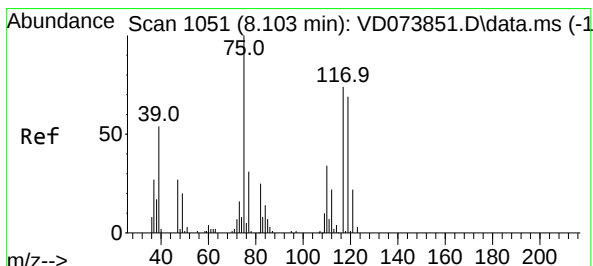
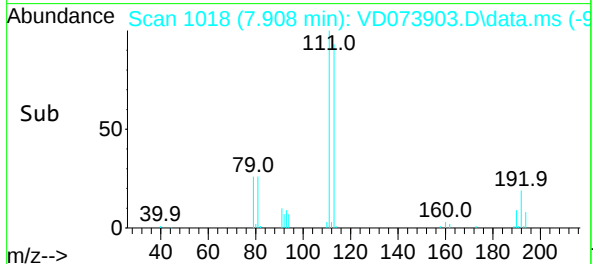
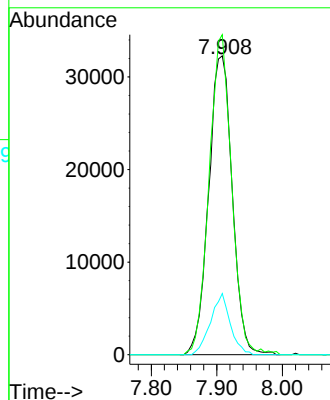
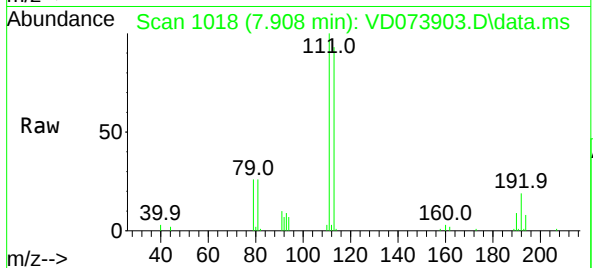
Tgt Ion:113 Resp: 80784

Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 17.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.135 min

Lab File: VD073903.D

Acq: 21 Jul 2022 18:37

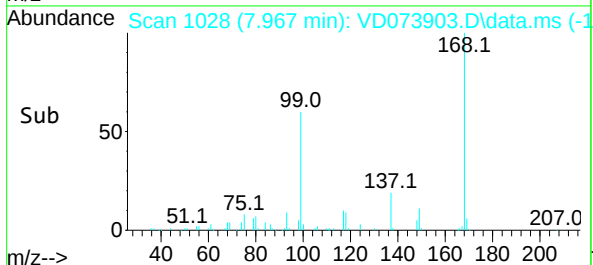
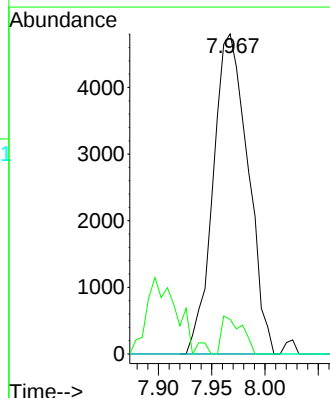
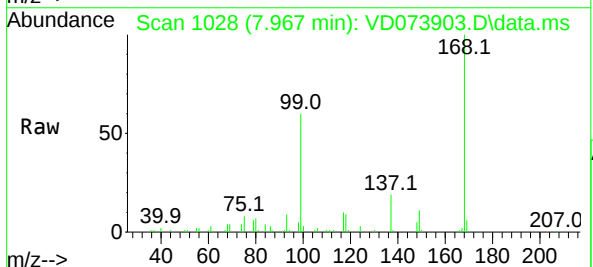
Tgt Ion: 75 Resp: 10896

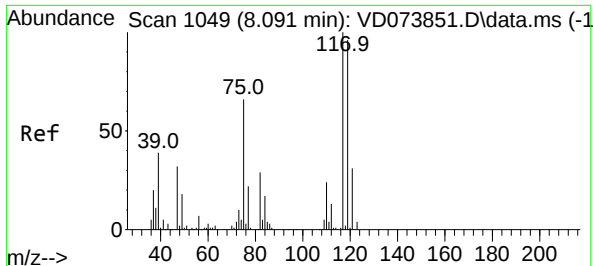
Ion Ratio Lower Upper

75 100

110 6.9 16.4 49.1#

77 0.0 24.2 36.2#

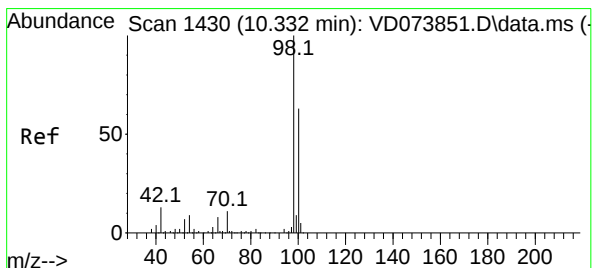
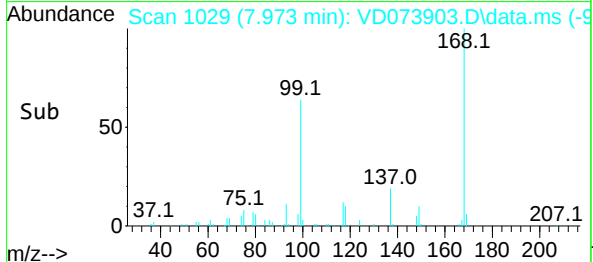
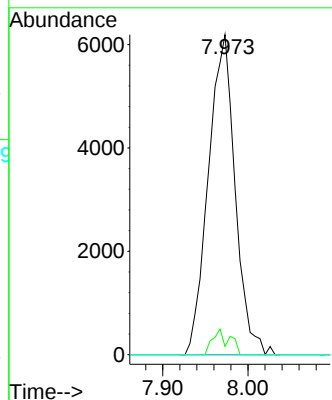
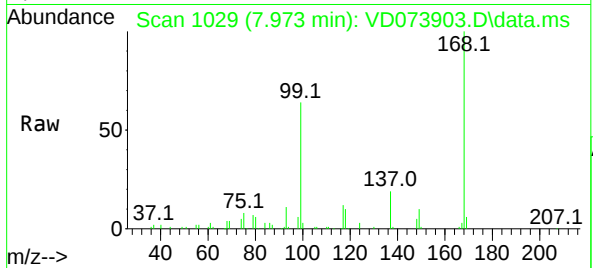




#38
Carbon Tetrachloride
Concen: 5.002 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

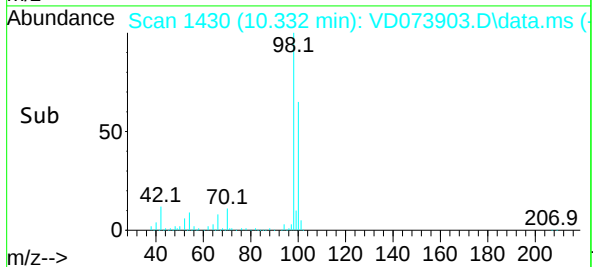
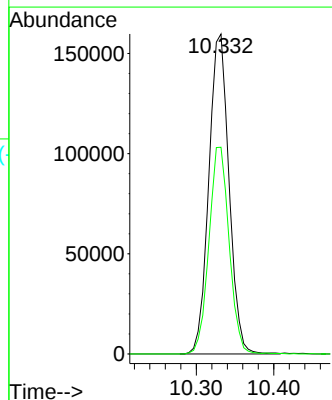
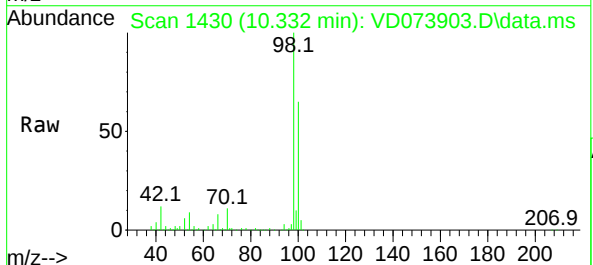
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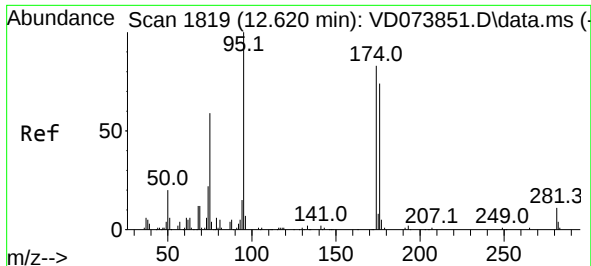
Tgt Ion:117 Resp: 13535
Ion Ratio Lower Upper
117 100
119 2.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.354 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

Tgt Ion: 98 Resp: 288292
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6

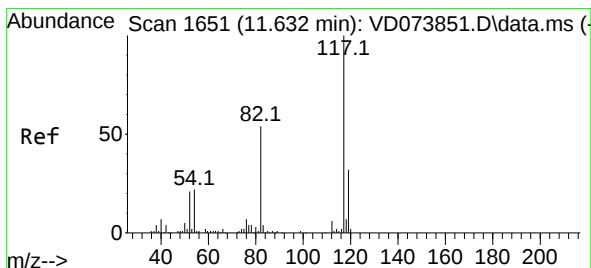
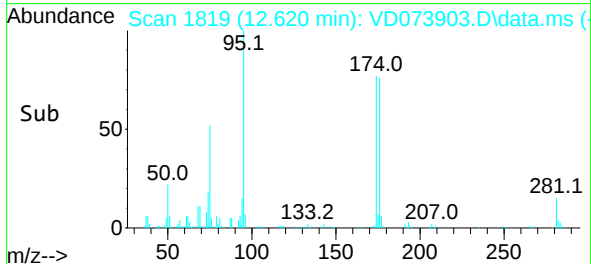
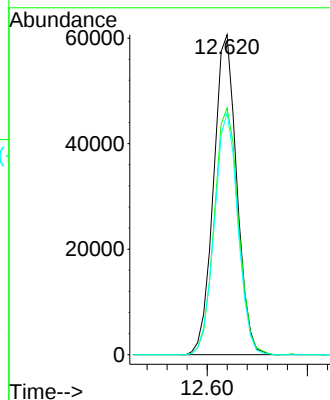
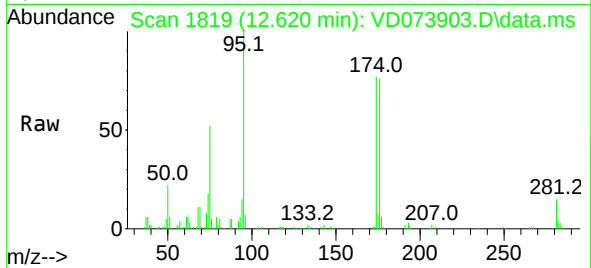




#62
4-Bromofluorobenzene
Concen: 47.480 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

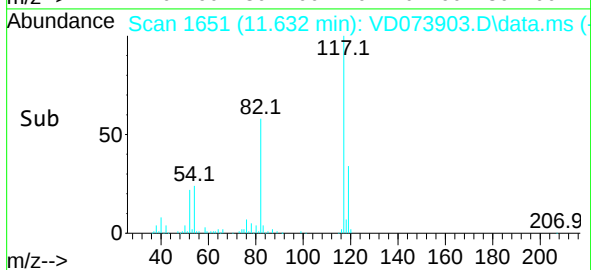
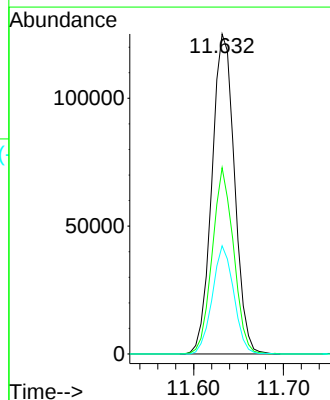
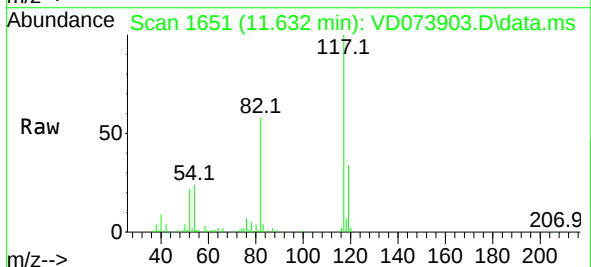
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(5-10)

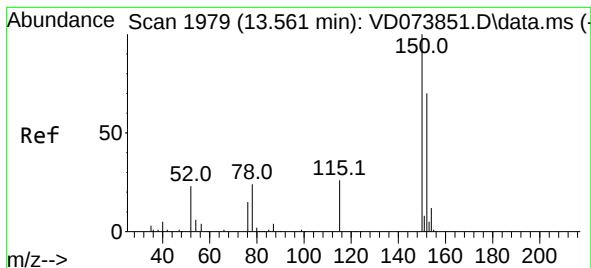
Tgt Ion:	95	Resp:	97328
Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	152.8
176	76.3	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

Tgt Ion:	117	Resp:	219158
Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.3	67.9
119	33.8	26.6	40.0

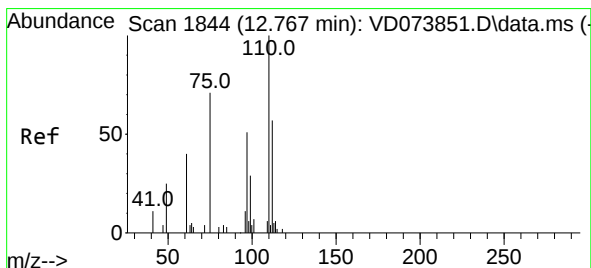
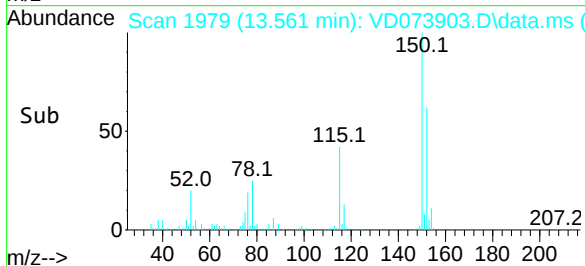
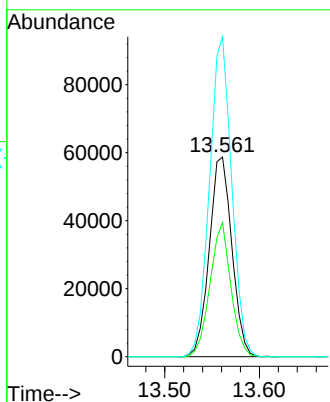
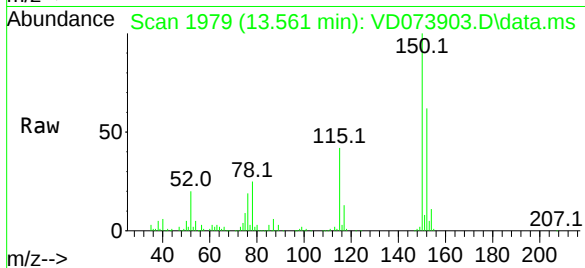




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD073903.D
 Acq: 21 Jul 2022 18:37

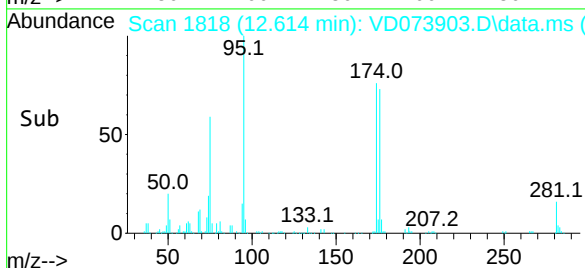
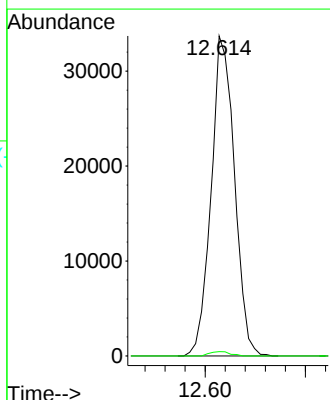
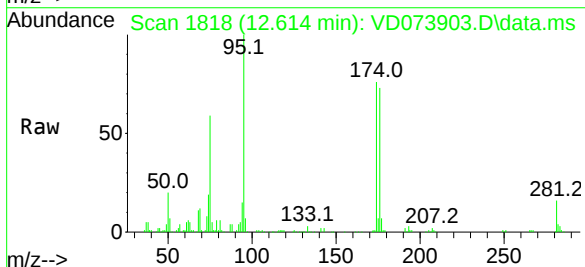
Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-2(5-10)

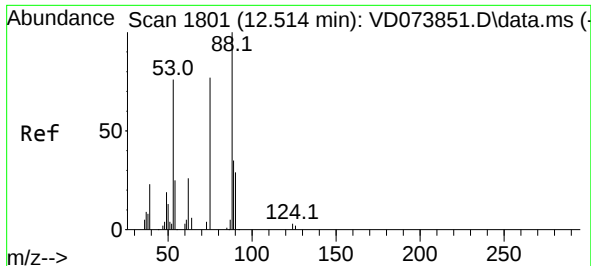
Tgt Ion:152 Resp: 97522
 Ion Ratio Lower Upper
 152 100
 115 61.9 31.3 93.8
 150 156.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 51.971 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD073903.D
 Acq: 21 Jul 2022 18:37

Tgt Ion: 75 Resp: 54381
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

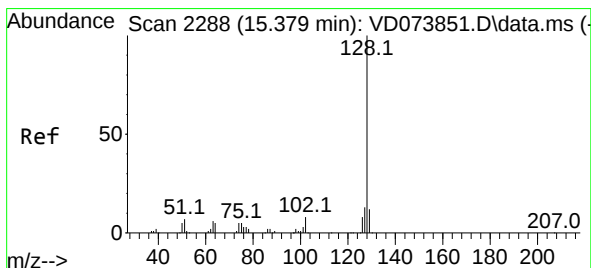
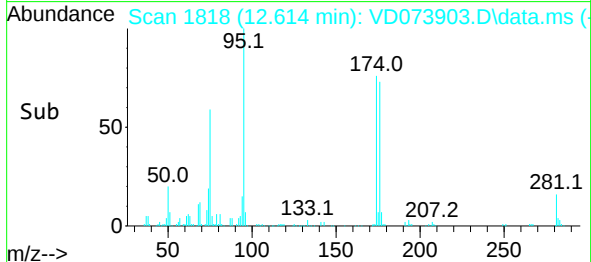
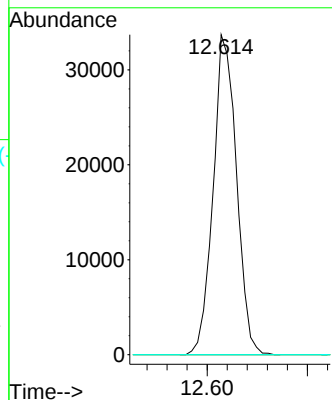
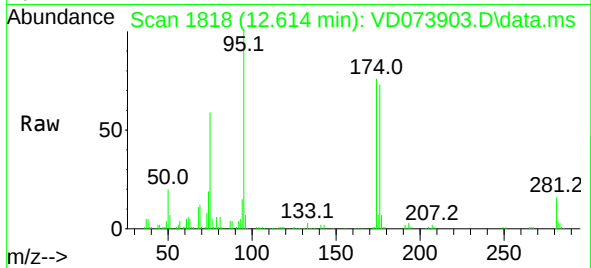




#81
trans-1,4-Dichloro-2-butene
Concen: 140.241 ug/l
RT: 12.614 min Scan# 1801
Delta R.T. 0.100 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(5-10)

Tgt Ion: 75 Resp: 54381
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 15.866 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VD073903.D
Acq: 21 Jul 2022 18:37

Tgt Ion:128 Resp: 51710
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.5 8.4 12.6

