

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081022\
 Data File : VD074026.D
 Acq On : 10 Aug 2022 15:36
 Operator : VA/SY
 Sample : N4038-08
 Misc : 4.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-8

Quant Time: Aug 10 17:40:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

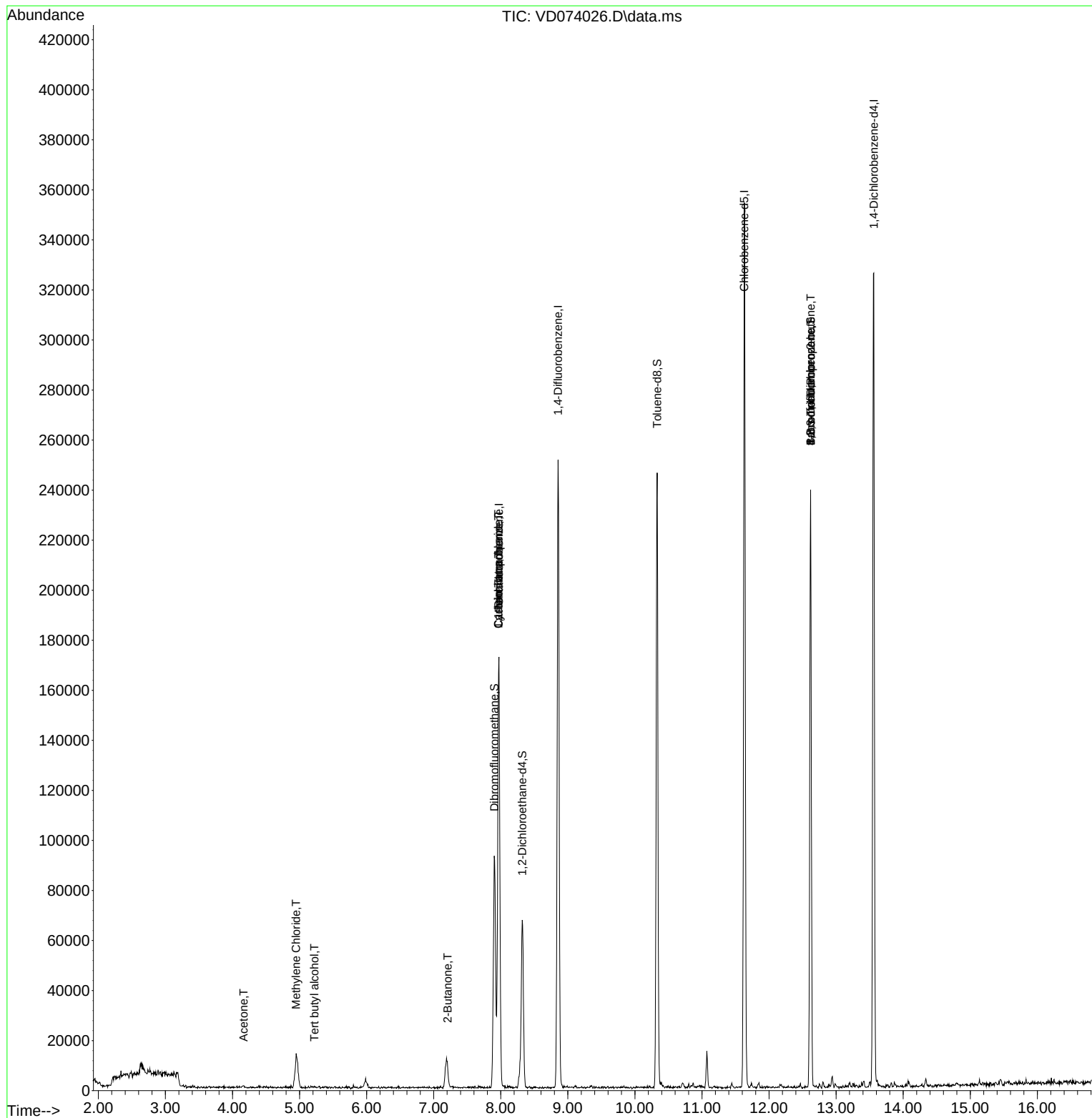
Internal Standards						
1) Pentafluorobenzene	7.973	168	123694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	214121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	197918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	87061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	52559	54.554	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.100%	
35) Dibromofluoromethane	7.902	113	64797	45.562	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.120%	
50) Toluene-d8	10.332	98	166262	44.010	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.020%	
62) 4-Bromofluorobenzene	12.620	95	72075	41.211	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.420%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	283	Below Cal	#	43
3) Chloromethane	2.209	50	636	Below Cal	#	57
11) Tert butyl alcohol	5.220	59	62	8.326	ug/l #	74
16) Acetone	4.167	43	979	4.946	ug/l #	46
20) Methylene Chloride	4.950	84	9836	4.757	ug/l #	89
25) 2-Butanone	7.208	43	861	2.782	ug/l #	46
31) Cyclohexane	7.967	56	3216	1.481	ug/l #	32
36) 1,1-Dichloropropene	7.967	75	10381	4.797	ug/l #	46
38) Carbon Tetrachloride	7.967	117	12817	5.253	ug/l #	19
71) Bromoform	12.620	173	939	1.063	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	41164	51.786	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	41164	138.217	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.337	75	196	Below Cal	#	1

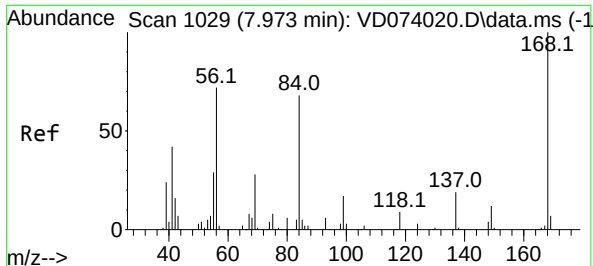
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-8

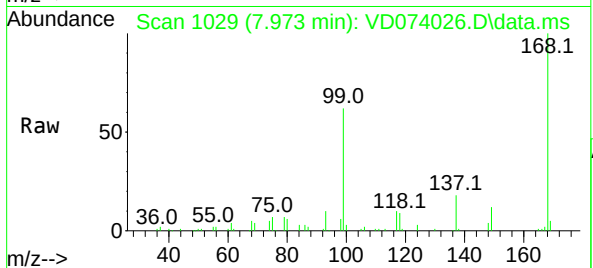
Quant Time: Aug 10 17:40:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 14:55:58 2022
Response via : Initial Calibration



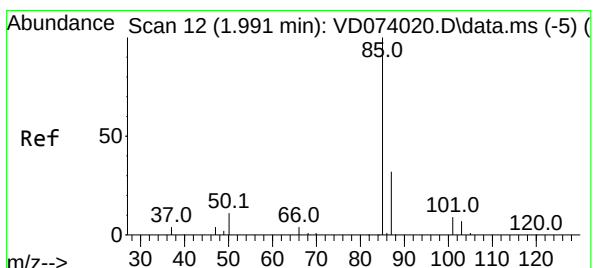
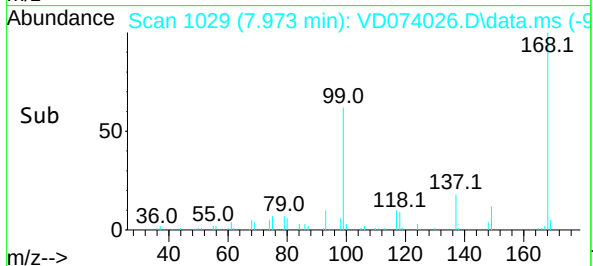
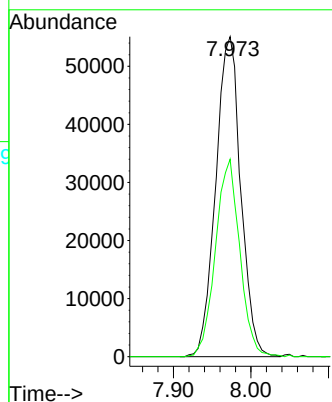


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Instrument :
MSVOA_D
ClientSampleId :
S-8

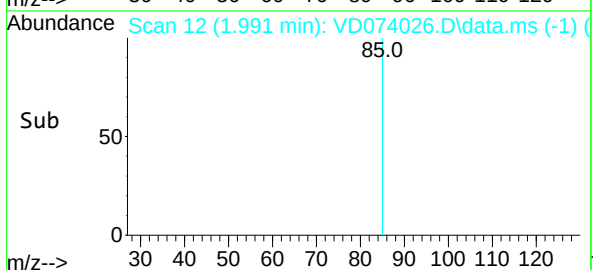
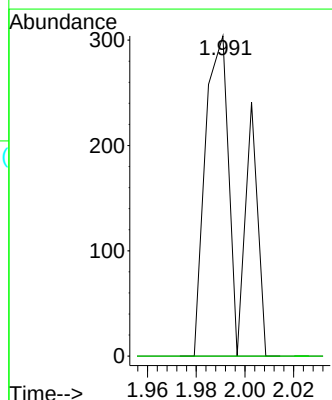
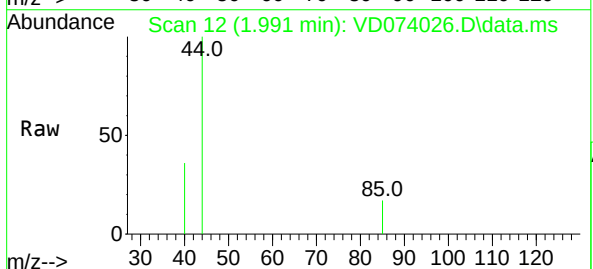


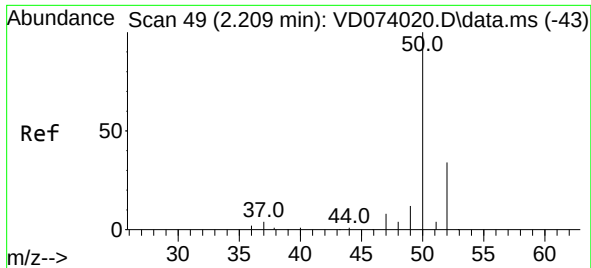
Tgt Ion:168 Resp: 123694
Ion Ratio Lower Upper
168 100
99 61.7 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion: 85 Resp: 283
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#

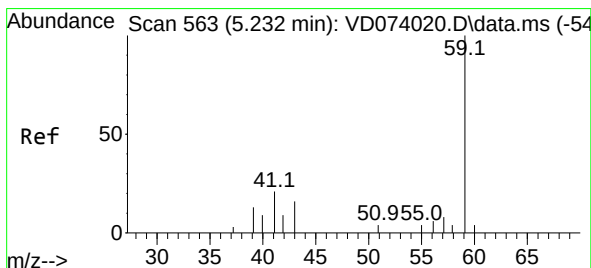
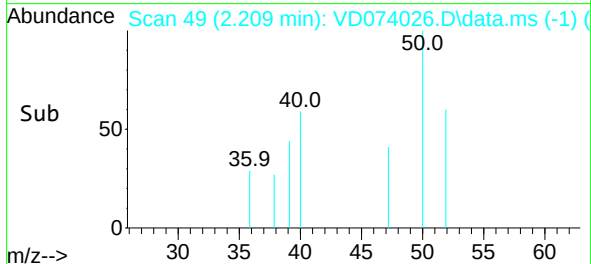
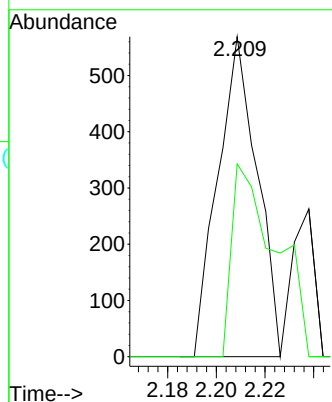
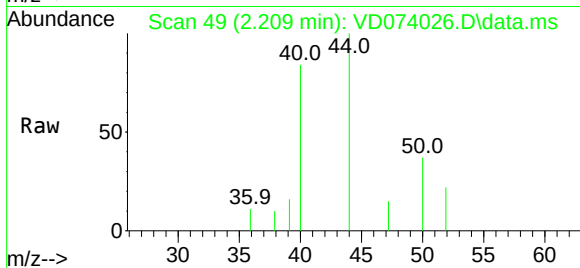




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

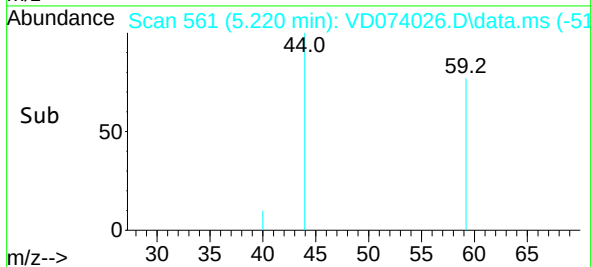
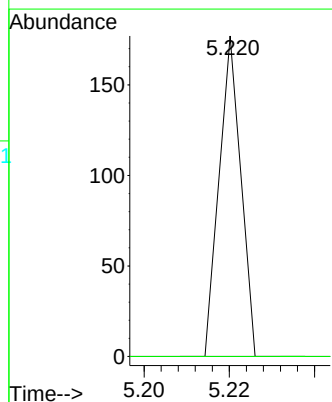
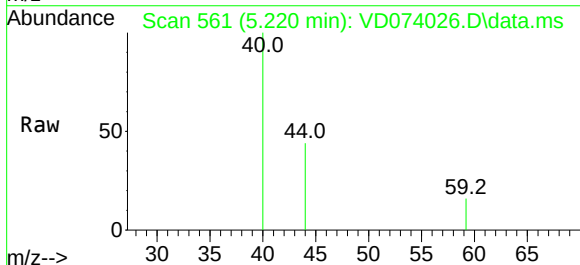
Instrument :
MSVOA_D
Client Sampled :
S-8

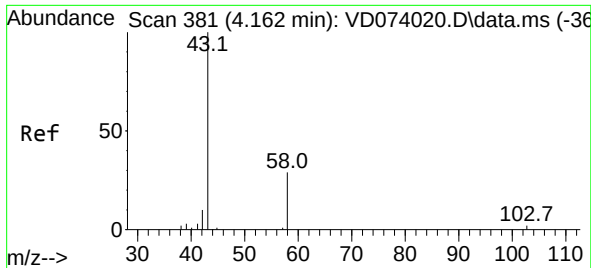
Tgt Ion: 50 Resp: 636
Ion Ratio Lower Upper
50 100
52 60.3 28.1 42.1#



#11
Tert butyl alcohol
Concen: 8.326 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.012 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

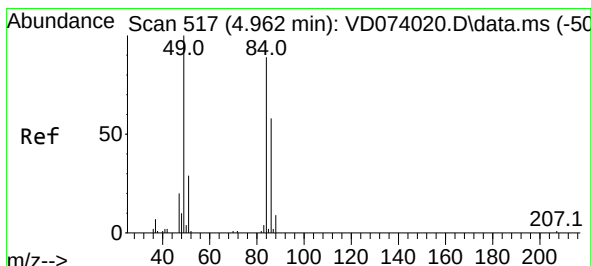
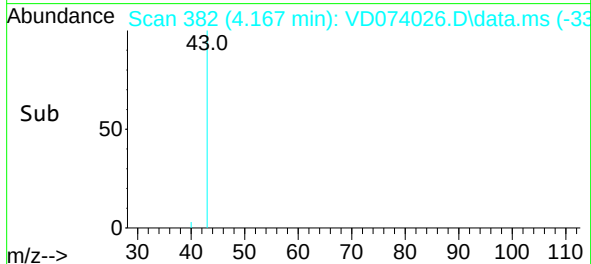
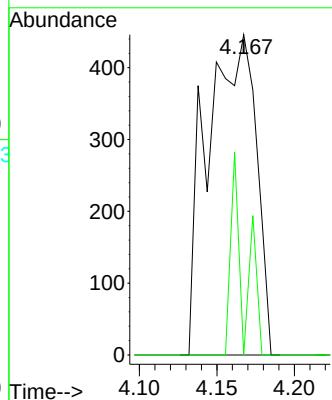
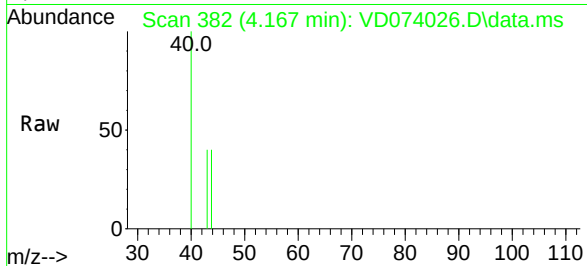




#16
Acetone
Concen: 4.946 ug/l
RT: 4.167 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

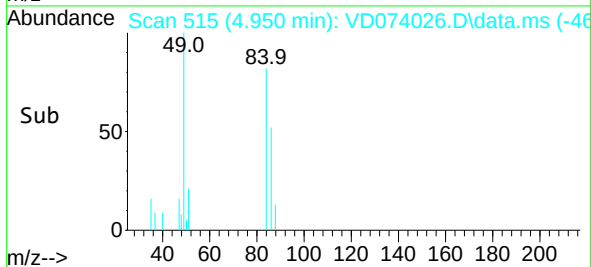
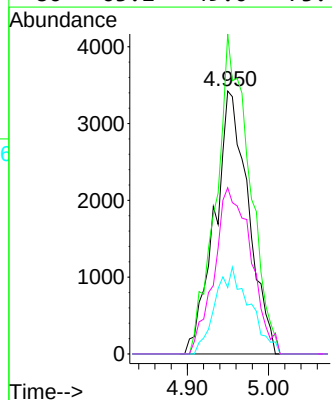
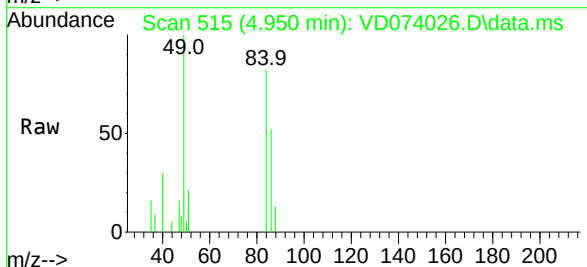
Instrument :
MSVOA_D
ClientSampleId :
S-8

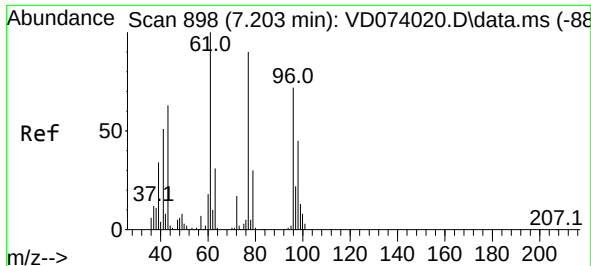
Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: 4.757 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion: 84 Resp: 9836
Ion Ratio Lower Upper
84 100
49 121.7 85.8 128.6
51 25.2 28.0 42.0#
86 63.2 49.0 73.4

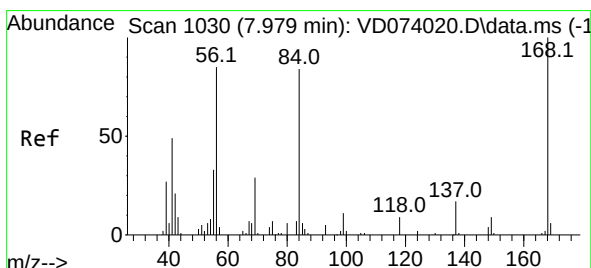
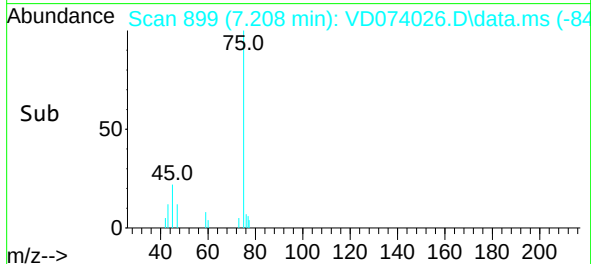
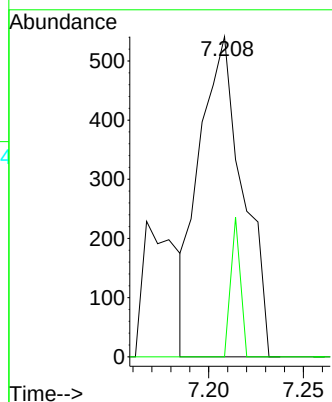
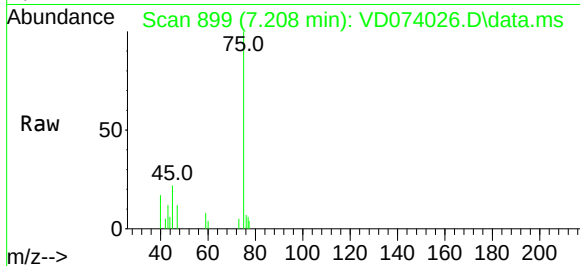




#25
2-Butanone
Concen: 2.782 ug/l
RT: 7.208 min Scan# 898
Delta R.T. 0.005 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

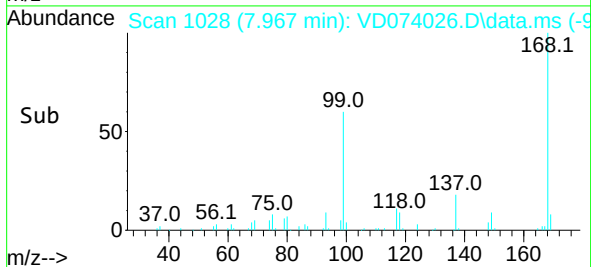
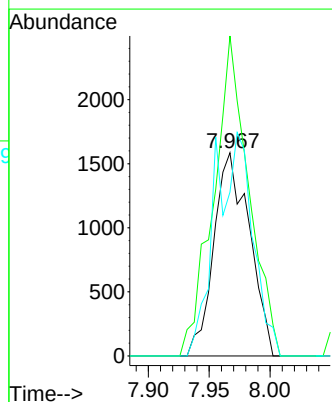
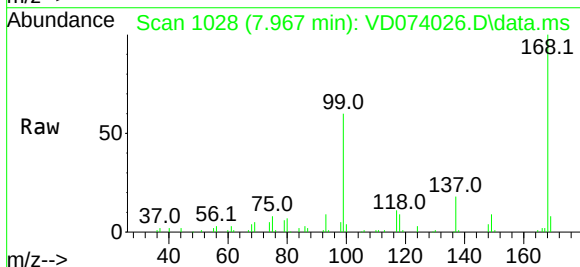
Instrument :
MSVOA_D
ClientSampleId :
S-8

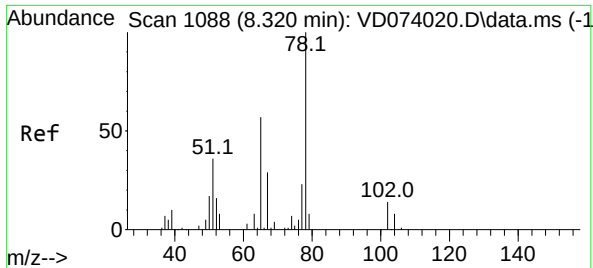
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: 1.481 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion: 56 Resp: 3216
Ion Ratio Lower Upper
56 100
69 157.5 27.9 41.9#
84 80.6 75.8 113.6

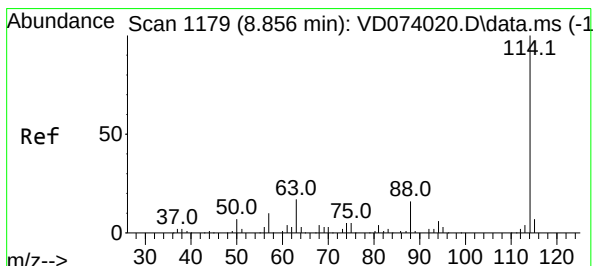
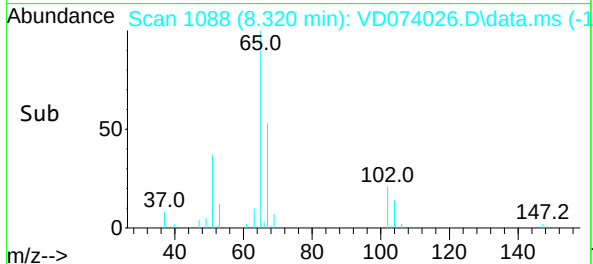
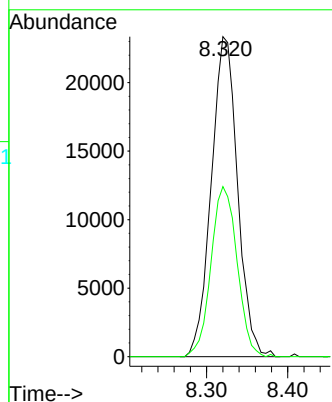
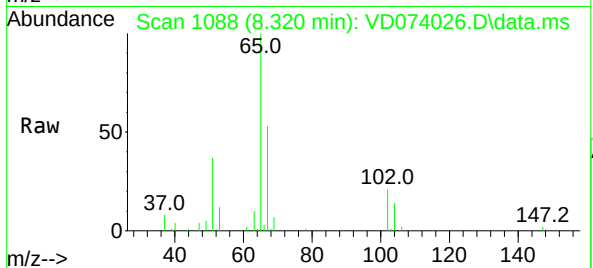




#33
 1,2-Dichloroethane-d4
 Concen: 54.554 ug/l
 RT: 8.320 min Scan# 1088
 Delta R.T. 0.000 min
 Lab File: VD074026.D
 Acq: 10 Aug 2022 15:36

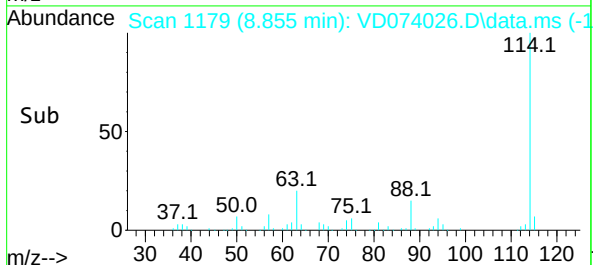
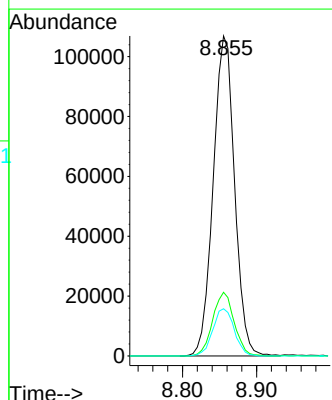
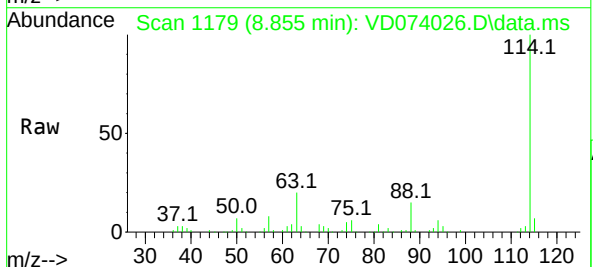
Instrument :
 MSVOA_D
 ClientSampleId :
 S-8

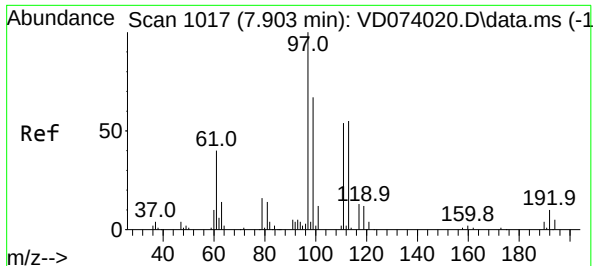
Tgt Ion: 65 Resp: 52559
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 113.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1179
 Delta R.T. -0.000 min
 Lab File: VD074026.D
 Acq: 10 Aug 2022 15:36

Tgt Ion: 114 Resp: 214121
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.0
 88 14.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 45.562 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.001 min

Lab File: VD074026.D

Acq: 10 Aug 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

S-8

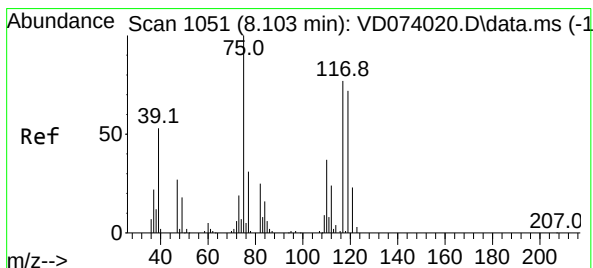
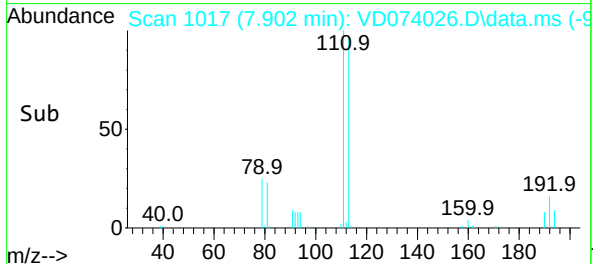
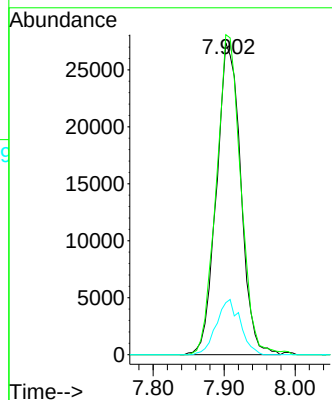
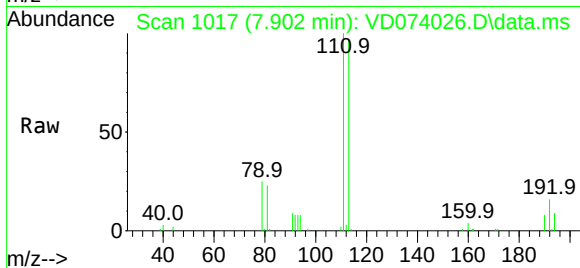
Tgt Ion:113 Resp: 64797

Ion Ratio Lower Upper

113 100

111 103.6 80.0 120.0

192 17.5 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.797 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD074026.D

Acq: 10 Aug 2022 15:36

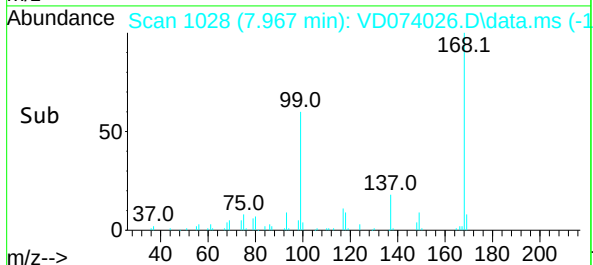
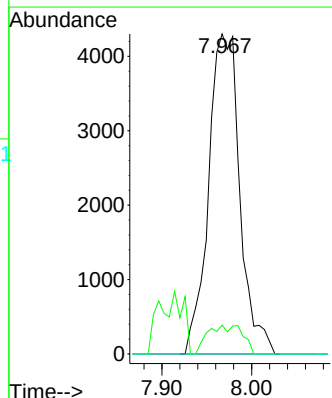
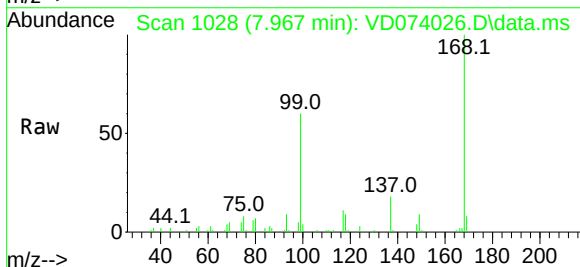
Tgt Ion: 75 Resp: 10381

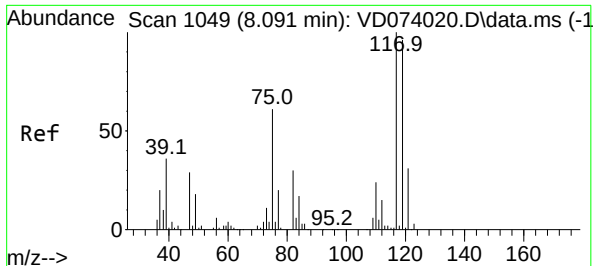
Ion Ratio Lower Upper

75 100

110 6.0 18.4 55.4#

77 0.0 24.6 36.8#

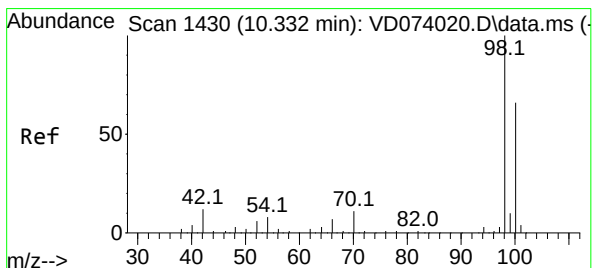
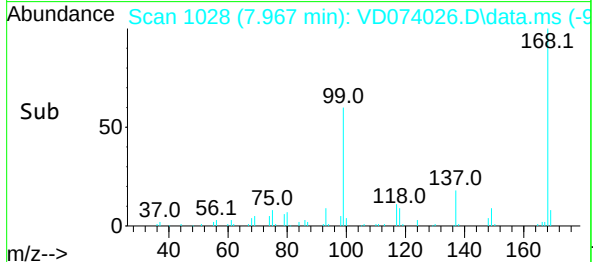
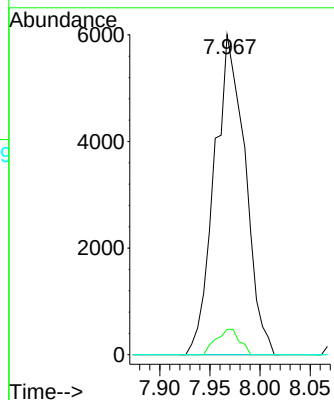
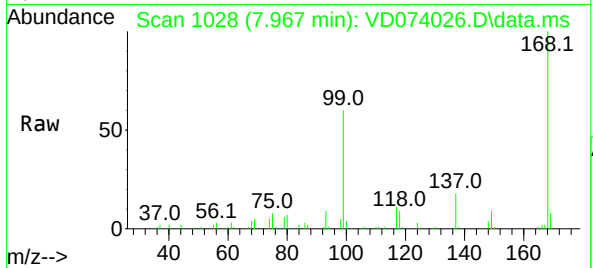




#38
Carbon Tetrachloride
Concen: 5.253 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

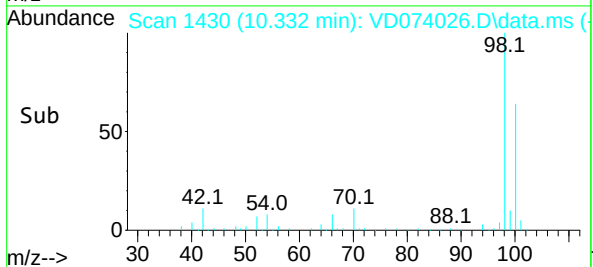
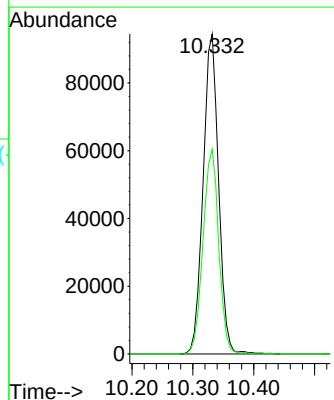
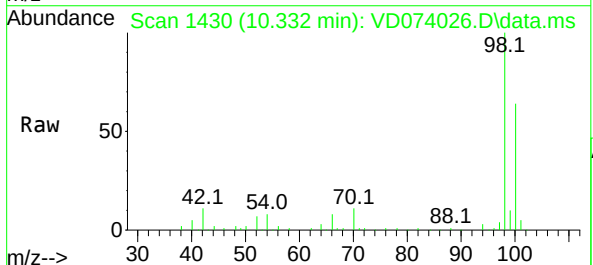
Instrument :
MSVOA_D
ClientSampleId :
S-8

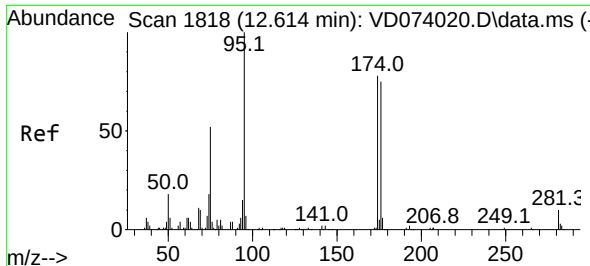
Tgt Ion:117 Resp: 12817
Ion Ratio Lower Upper
117 100
119 7.9 75.4 113.2#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 44.010 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion: 98 Resp: 166262
Ion Ratio Lower Upper
98 100
100 65.1 51.3 76.9

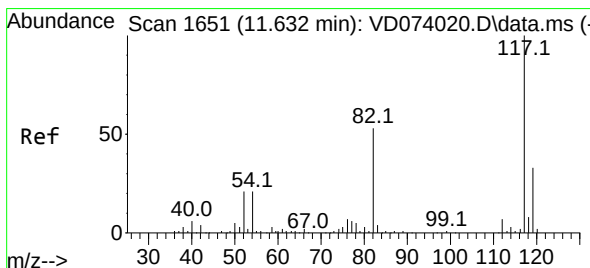
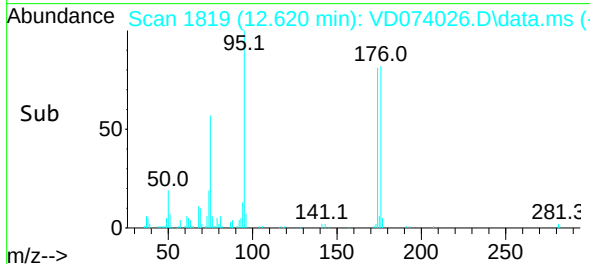
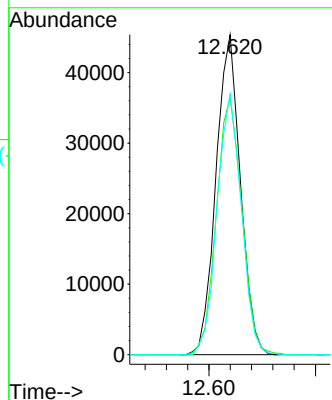
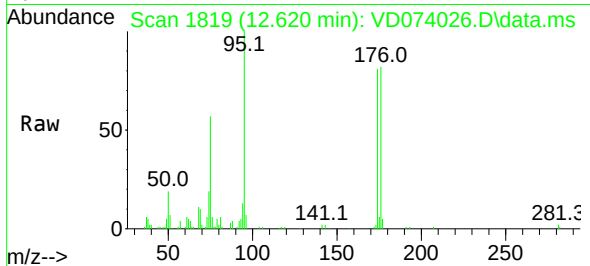




#62
4-Bromofluorobenzene
Concen: 41.211 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

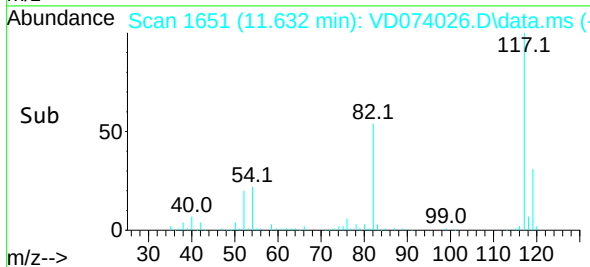
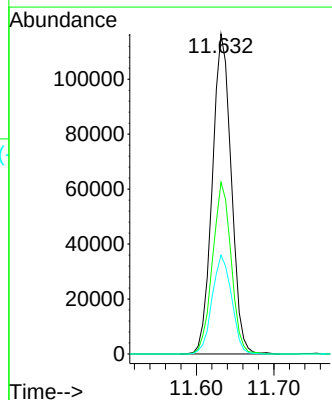
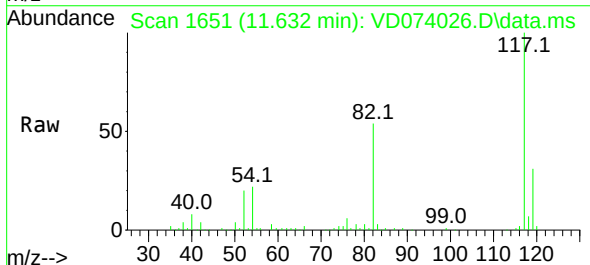
Instrument :
MSVOA_D
ClientSampleId :
S-8

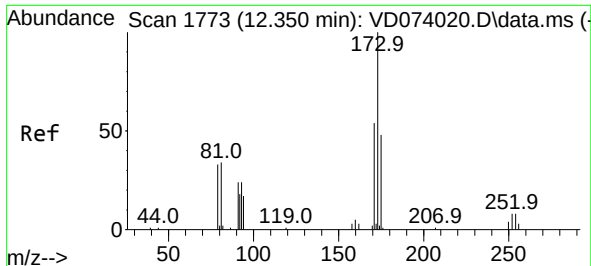
Tgt Ion:	95	Resp:	72075
Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	162.6
176	81.3	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion:	117	Resp:	197918
Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.7	64.1
119	30.8	25.8	38.8

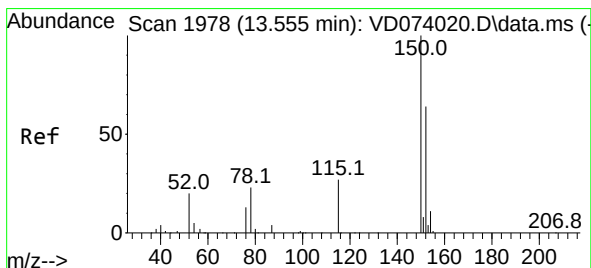
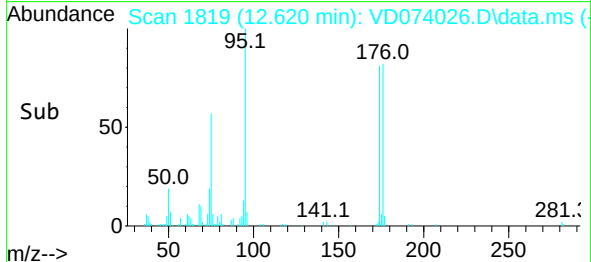
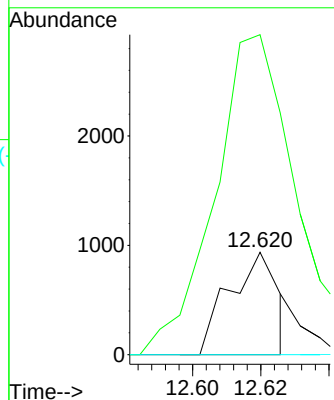
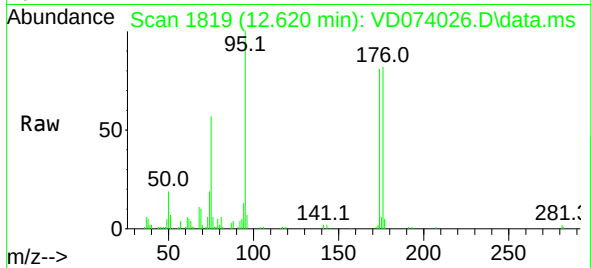




#71
Bromoform
Concen: 1.063 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.270 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

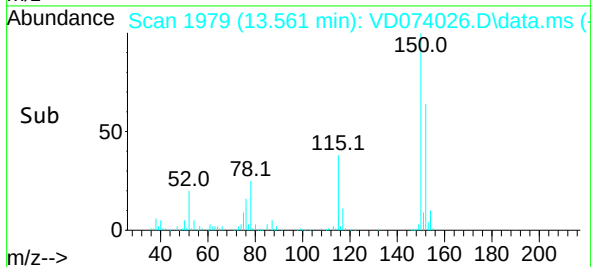
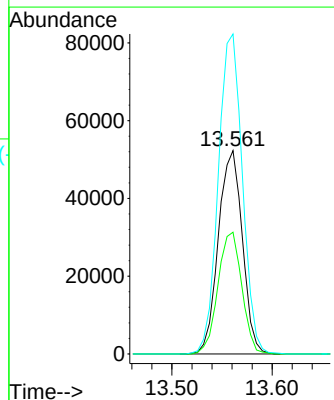
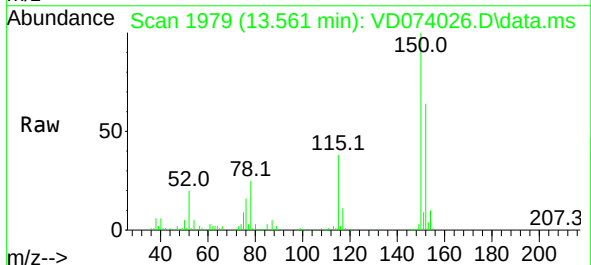
Instrument :
MSVOA_D
ClientSampleId :
S-8

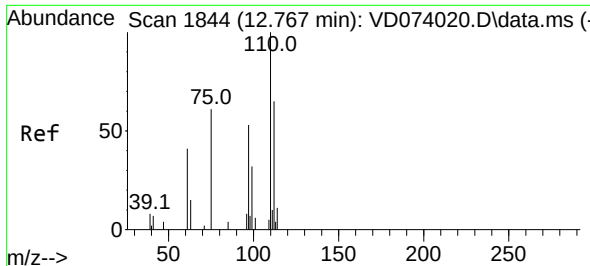
Tgt Ion:173 Resp: 939
Ion Ratio Lower Upper
173 100
175 418.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion:152 Resp: 87061
Ion Ratio Lower Upper
152 100
115 59.4 29.9 89.8
150 157.8 0.0 342.8

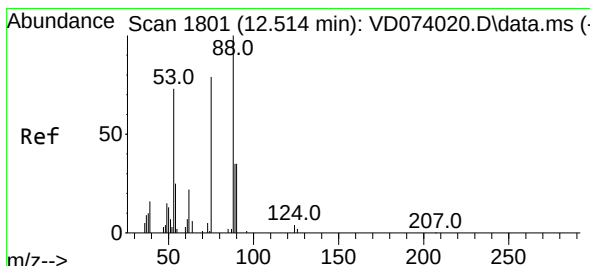
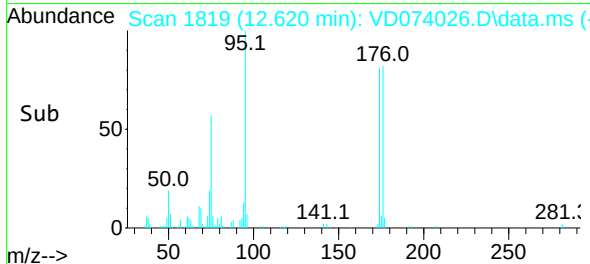
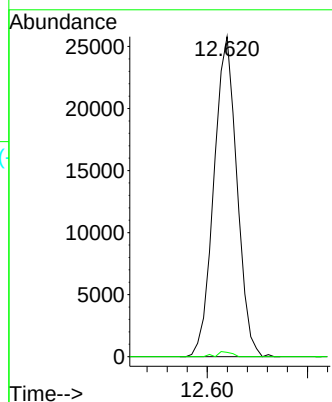
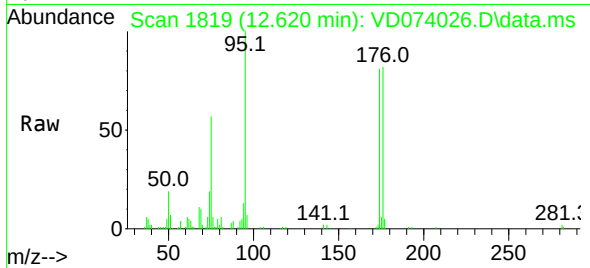




#76
1,2,3-Trichloropropane
Concen: 51.786 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Instrument :
MSVOA_D
ClientSampleId :
S-8

Tgt Ion: 75 Resp: 41164
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.217 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074026.D
Acq: 10 Aug 2022 15:36

Tgt Ion: 75 Resp: 41164
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#

