

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050422\
 Data File : VD072785.D
 Acq On : 04 May 2022 13:33
 Operator : VA/SY
 Sample : N2659-01
 Misc : 5.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-A

Quant Time: May 05 01:37:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

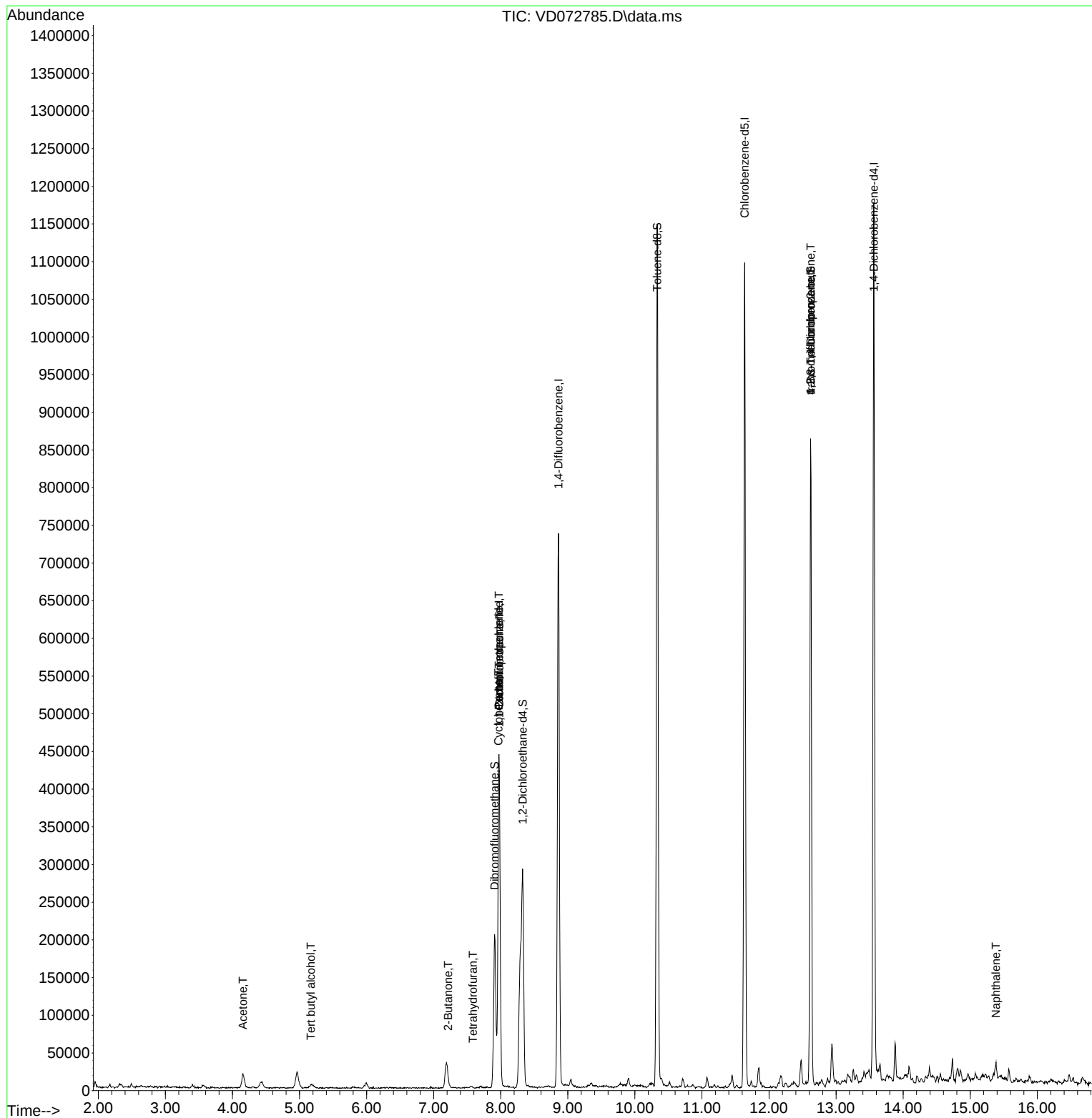
Internal Standards						
1) Pentafluorobenzene	7.973	168	318154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	626375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	616894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	292384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211803	51.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.580%			
35) Dibromofluoromethane	7.909	113	142871	32.477	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 64.960%			
50) Toluene-d8	10.332	98	773899	49.043	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.620	95	281729	47.881	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.760%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1092	Below Cal	#	72
11) Tert butyl alcohol	5.168	59	2056	5.754	ug/l #	74
16) Acetone	4.156	43	31798	28.800	ug/l #	86
18) Methyl Acetate	4.738	43	64	Below Cal	#	55
20) Methylene Chloride	4.968	84	16471	Below Cal		85
25) 2-Butanone	7.215	43	8654	7.192	ug/l #	81
29) Tetrahydrofuran	7.585	42	957	1.248	ug/l #	38
31) Cyclohexane	7.967	56	8615	1.193	ug/l #	4
36) 1,1-Dichloropropene	7.979	75	26651	3.726	ug/l #	51
38) Carbon Tetrachloride	7.973	117	35341	4.760	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	148519	45.554	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	148519	104.756	ug/l #	7
95) Naphthalene	15.385	128	21166	2.050	ug/l	98

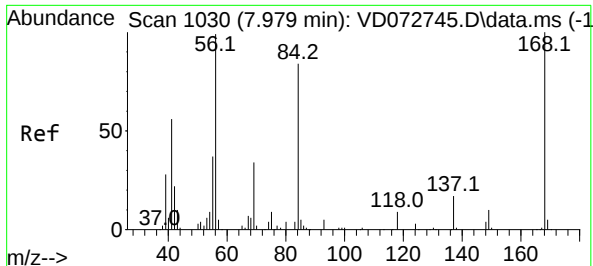
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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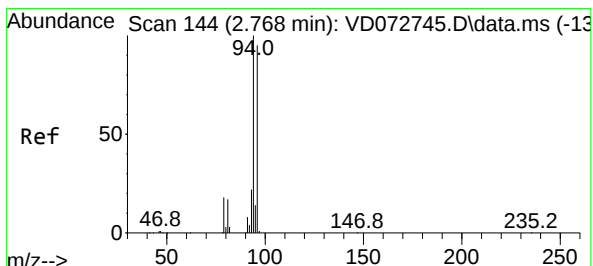
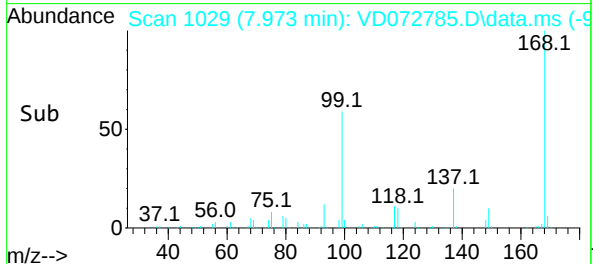
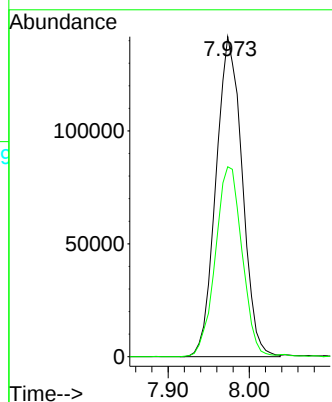
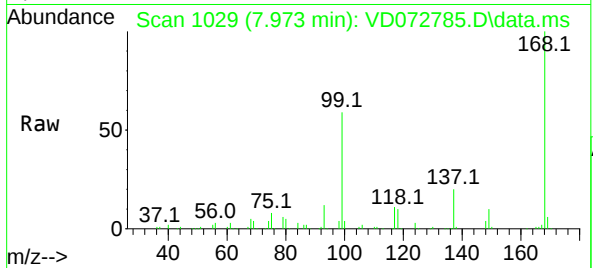




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

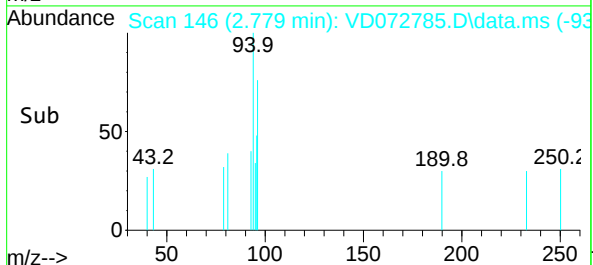
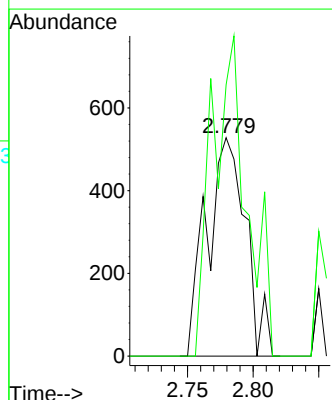
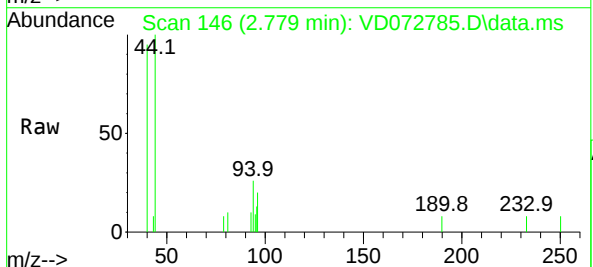
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

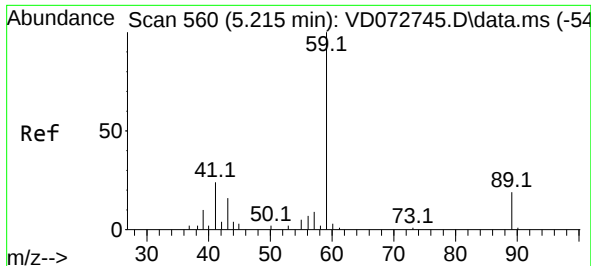
Tgt Ion:168 Resp: 318154
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

Tgt Ion: 94 Resp: 1092
Ion Ratio Lower Upper
94 100
96 124.2 77.6 116.4#





#11

Tert butyl alcohol

Concen: 5.754 ug/l

RT: 5.168 min Scan# 51

Delta R.T. -0.047 min

Lab File: VD072785.D

Acq: 04 May 2022 13:33

Instrument :

MSVOA_D

ClientSampleId :

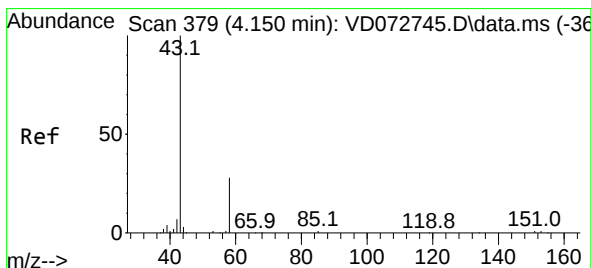
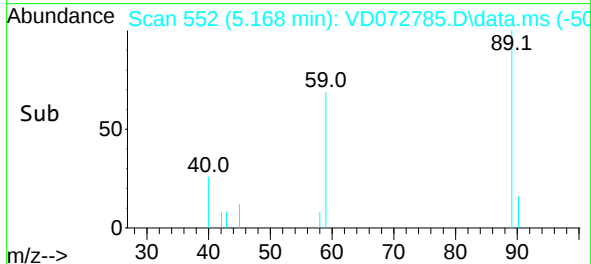
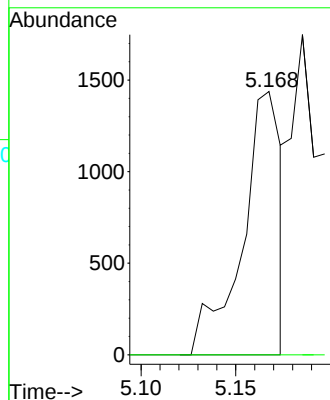
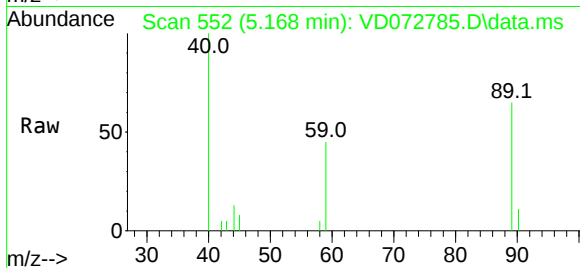
22L097-A

Tgt Ion: 59 Resp: 2056

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 28.800 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD072785.D

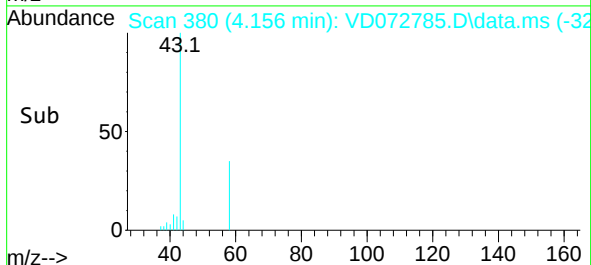
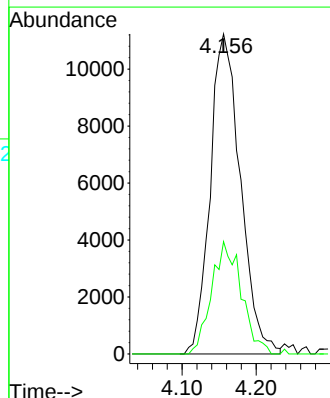
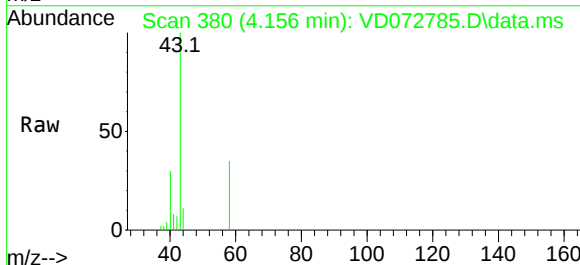
Acq: 04 May 2022 13:33

Tgt Ion: 43 Resp: 31798

Ion Ratio Lower Upper

43 100

58 35.1 22.1 33.1#

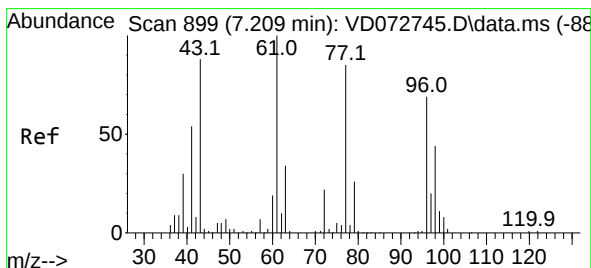
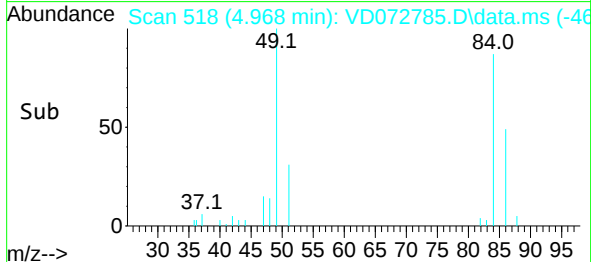
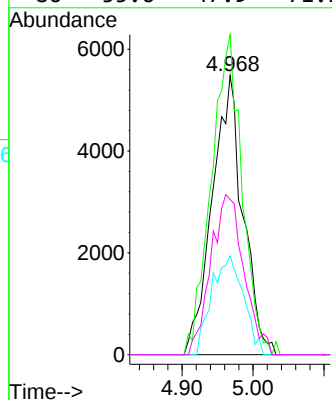
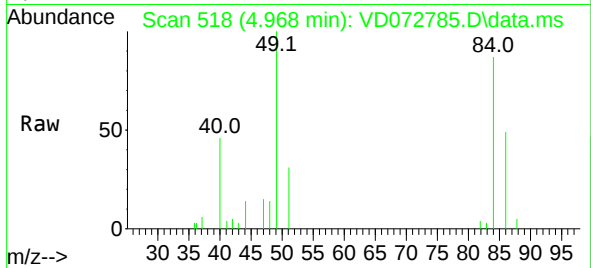




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

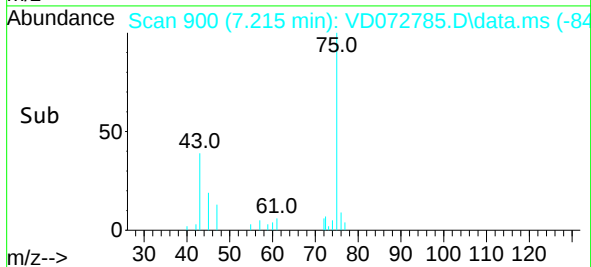
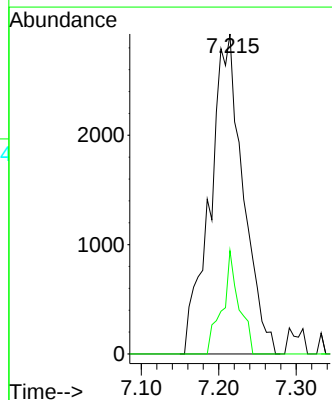
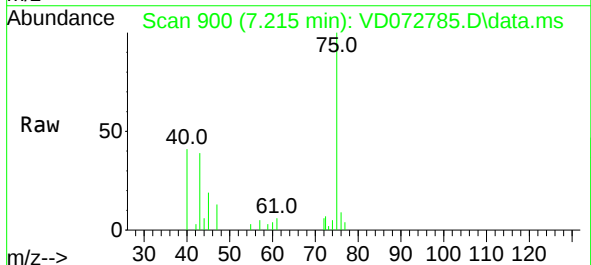
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

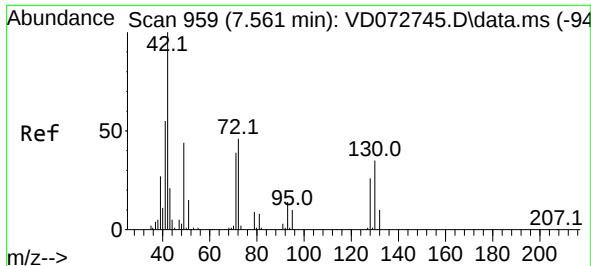
Tgt Ion: 84	Resp: 16471
Ion Ratio	Lower Upper
84 100	
49 114.7	112.8 169.2
51 35.4	32.6 48.8
86 55.6	47.9 71.9



#25
2-Butanone
Concen: 7.192 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

Tgt Ion: 43	Resp: 8654		
Ion Ratio	Lower	Upper	
43 100			
72 32.3	18.6	27.8#	





#29

Tetrahydrofuran

Concen: 1.248 ug/l

RT: 7.585 min Scan# 91

Delta R.T. 0.024 min

Lab File: VD072785.D

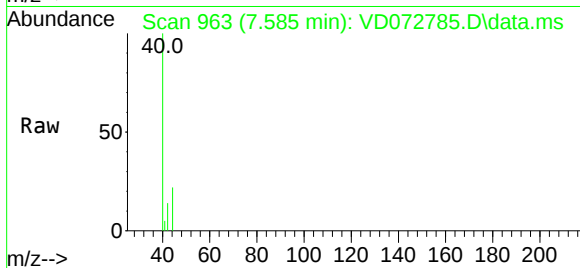
Acq: 04 May 2022 13:33

Instrument :

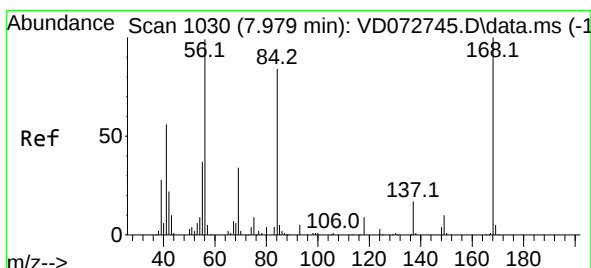
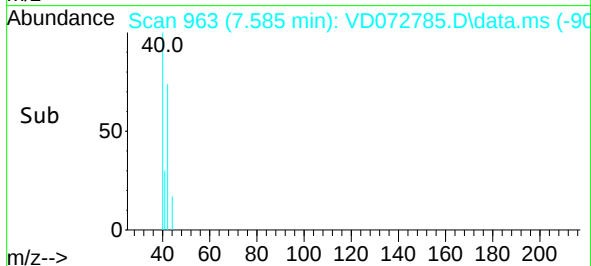
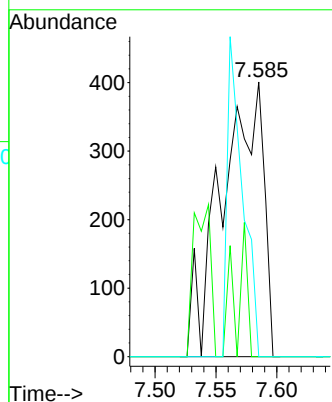
MSVOA_D

ClientSampleId :

22L097-A



Tgt Ion: 42	Resp: 957
Ion Ratio	Lower Upper
42	100
72	0.0 30.7 46.1#
71	0.0 28.6 43.0#



#31

Cyclohexane

Concen: 1.193 ug/l

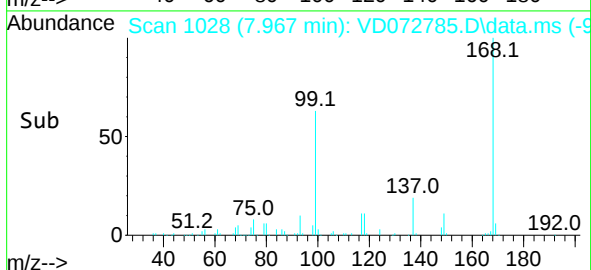
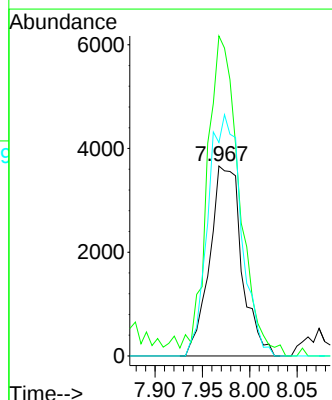
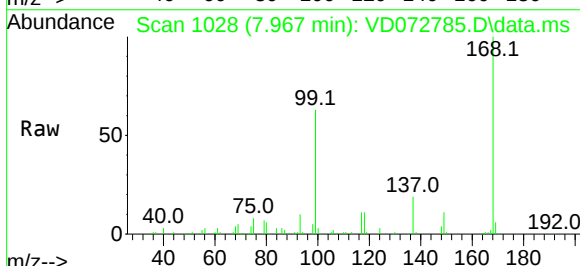
RT: 7.967 min Scan# 1028

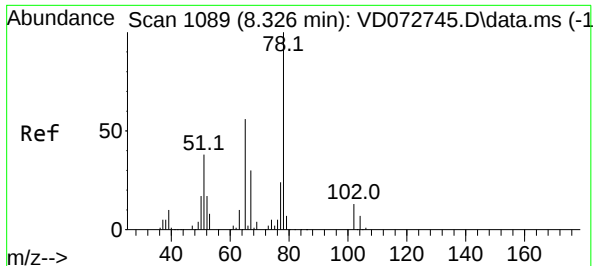
Delta R.T. -0.012 min

Lab File: VD072785.D

Acq: 04 May 2022 13:33

Tgt Ion: 56	Resp: 8615
Ion Ratio	Lower Upper
56	100
69	164.4 25.4 38.2#
84	112.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.285 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD072785.D

Acq: 04 May 2022 13:33

Instrument :

MSVOA_D

ClientSampleId :

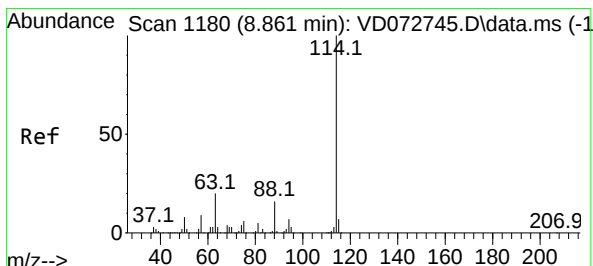
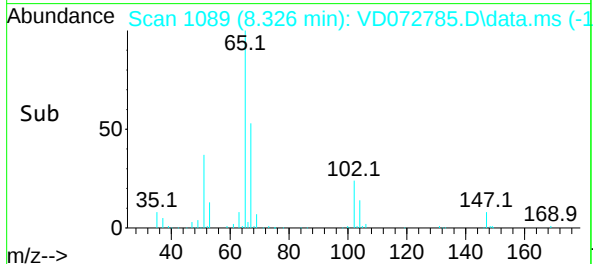
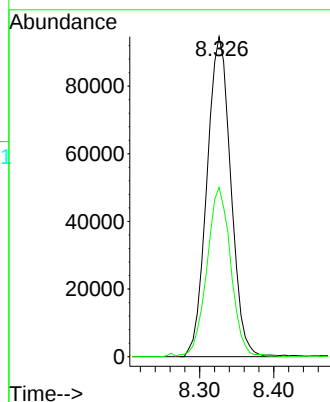
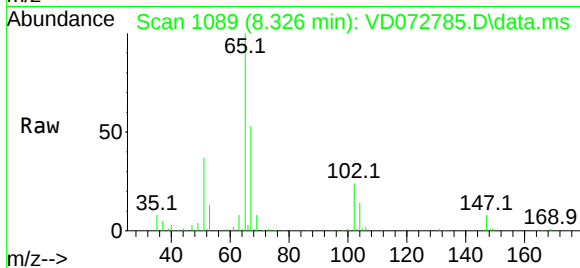
22L097-A

Tgt Ion: 65 Resp: 211803

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072785.D

Acq: 04 May 2022 13:33

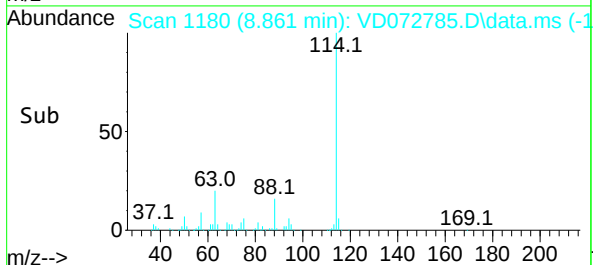
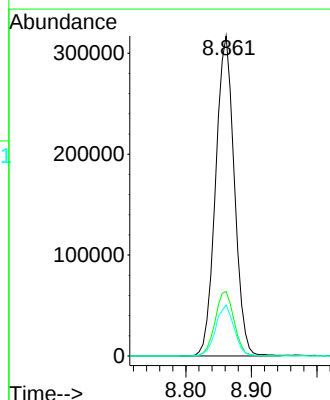
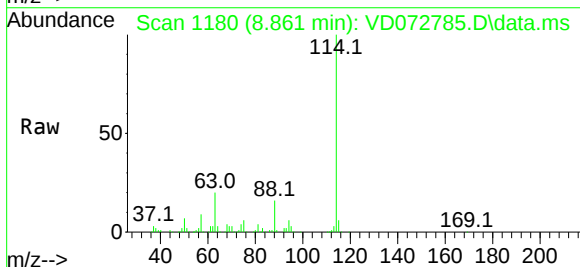
Tgt Ion: 114 Resp: 626375

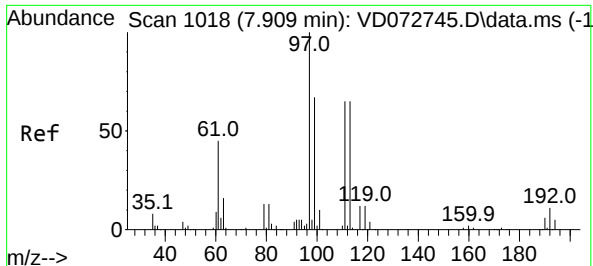
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 32.477 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072785.D

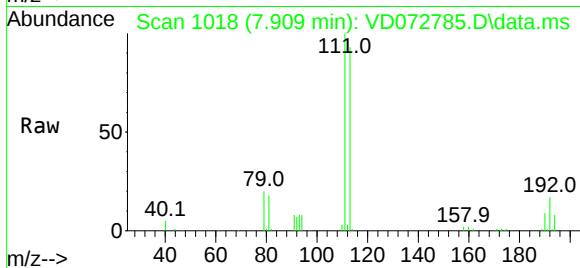
Acq: 04 May 2022 13:33

Instrument :

MSVOA_D

ClientSampleId :

22L097-A



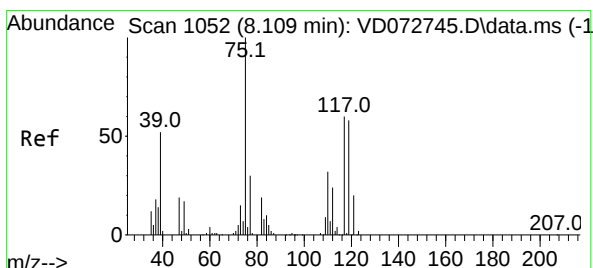
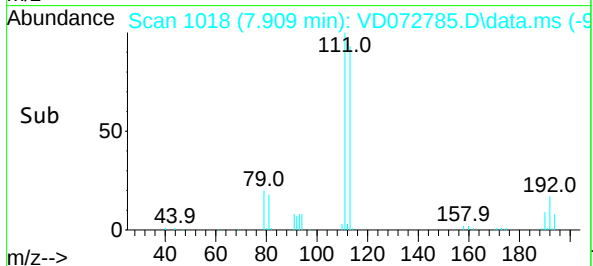
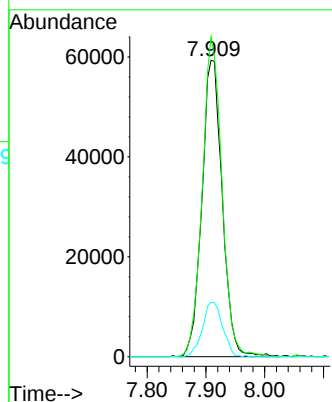
Tgt Ion:113 Resp: 142871

Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.6

192 18.2 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.726 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD072785.D

Acq: 04 May 2022 13:33

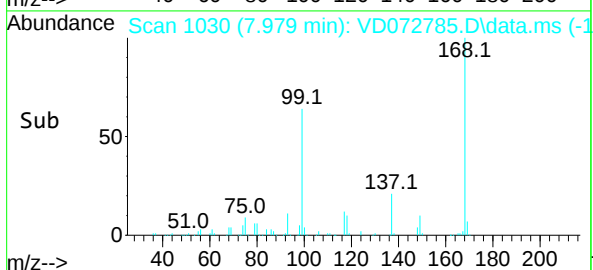
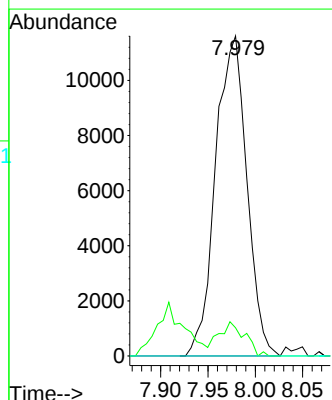
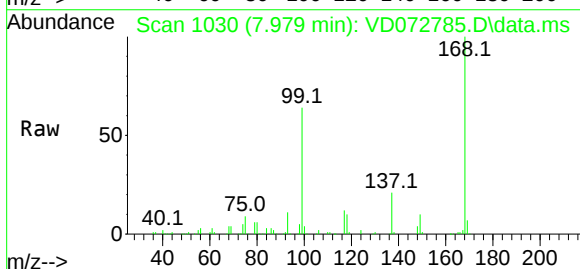
Tgt Ion: 75 Resp: 26651

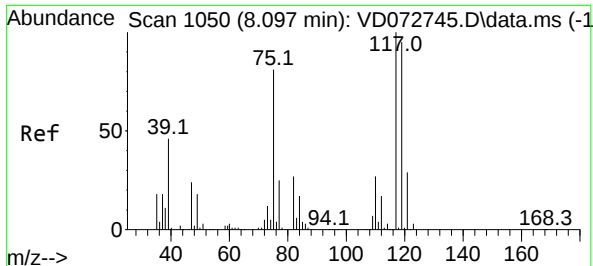
Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.1#

77 0.0 24.2 36.2#

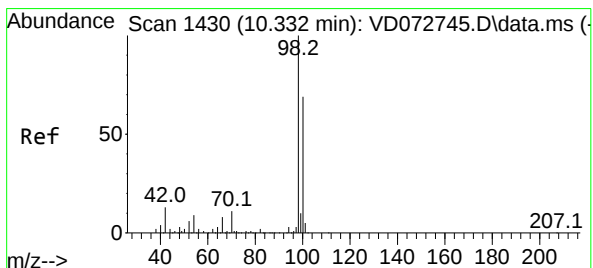
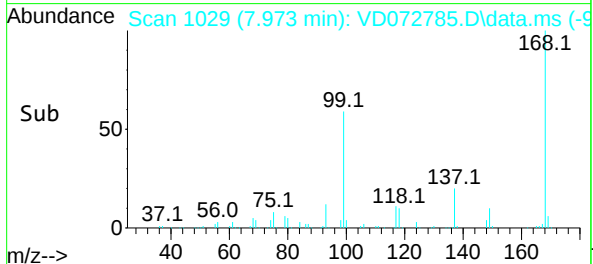
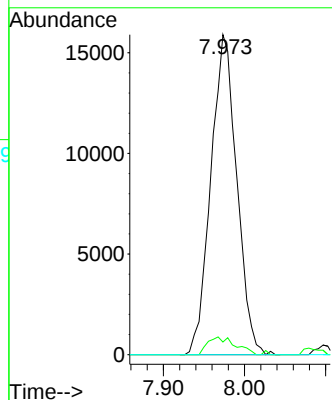
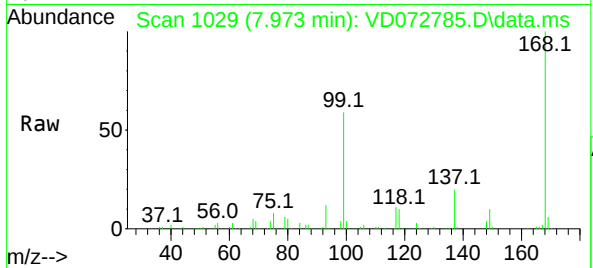




#38
Carbon Tetrachloride
Concen: 4.760 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

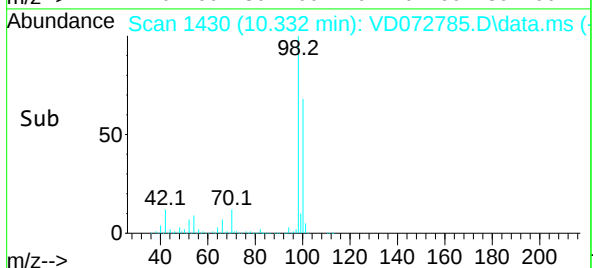
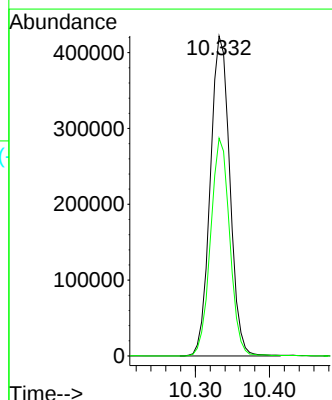
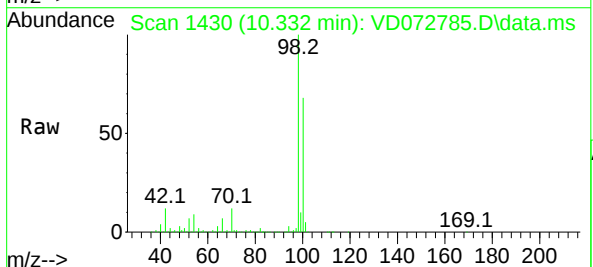
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

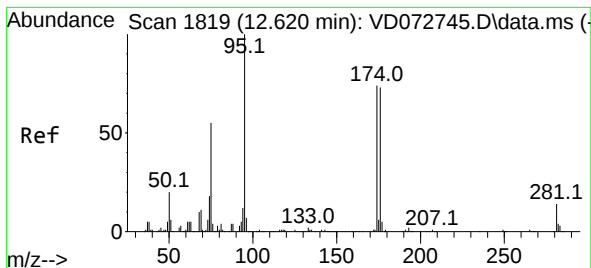
Tgt Ion:117 Resp: 35341
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.043 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

Tgt Ion: 98 Resp: 773899
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

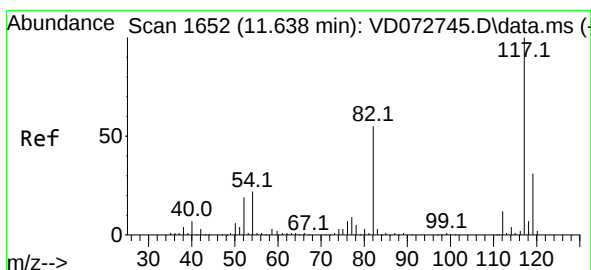
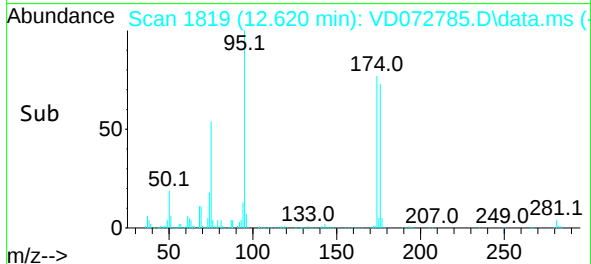
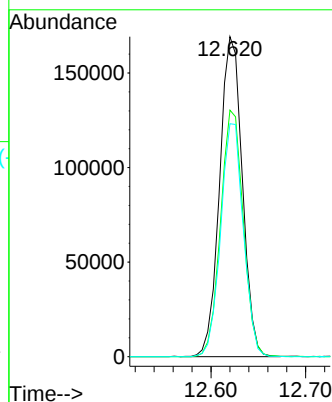
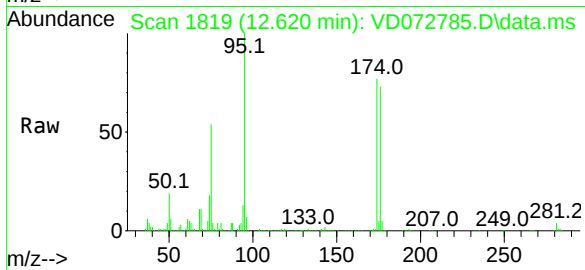




#62
4-Bromofluorobenzene
Concen: 47.881 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

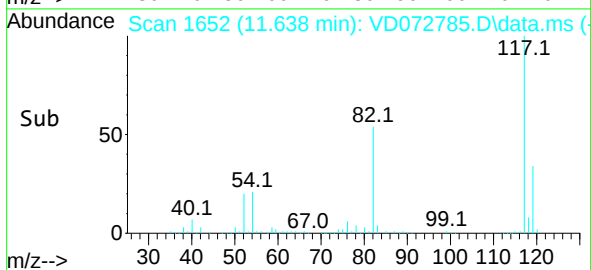
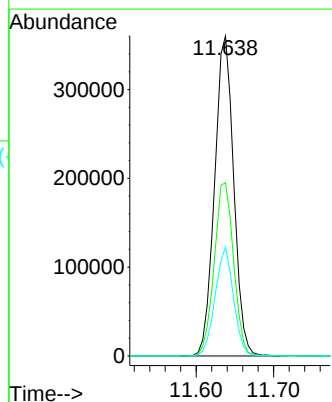
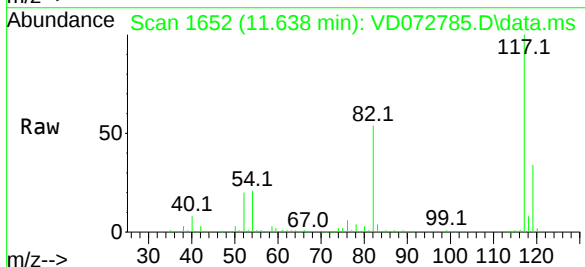
Instrument :
MSVOA_D
ClientSampleId :
22L097-A

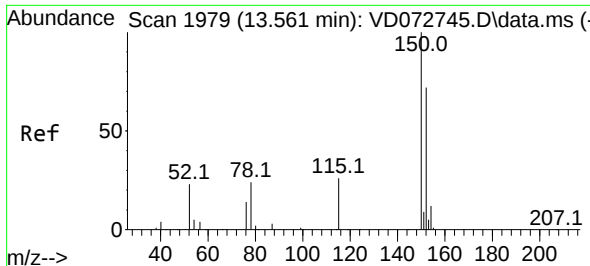
Tgt Ion: 95 Resp: 281729
Ion Ratio Lower Upper
95 100
174 77.0 0.0 152.8
176 72.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

Tgt Ion: 117 Resp: 616894
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 34.0 26.6 40.0

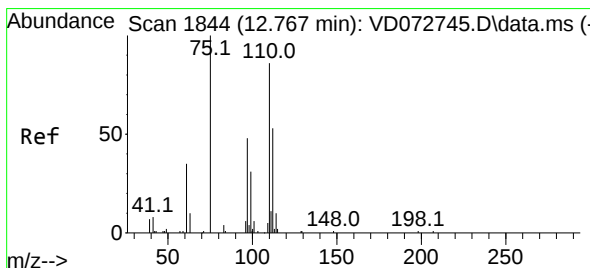
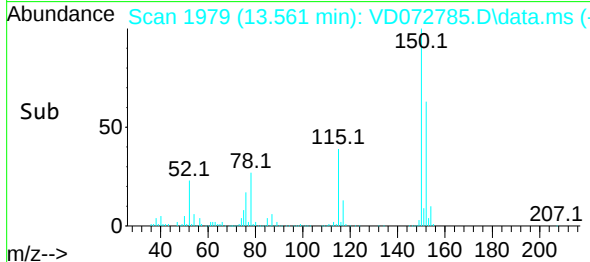
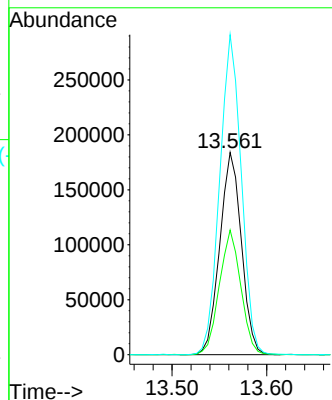
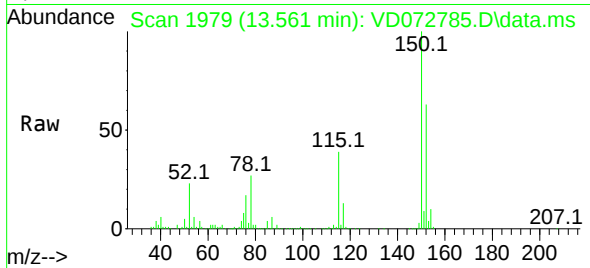




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD072785.D
 Acq: 04 May 2022 13:33

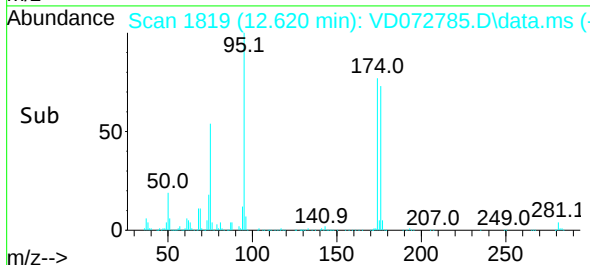
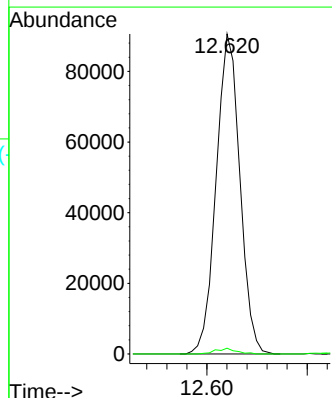
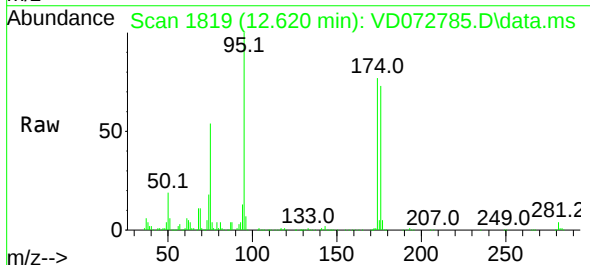
Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-A

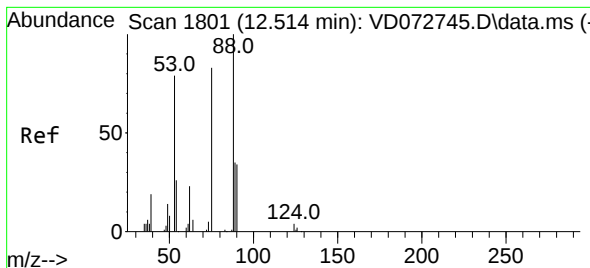
Tgt Ion:152 Resp: 292384
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.3 93.8
 150 158.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.554 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072785.D
 Acq: 04 May 2022 13:33

Tgt Ion: 75 Resp: 148519
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

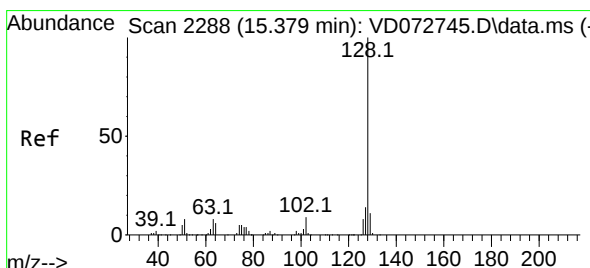
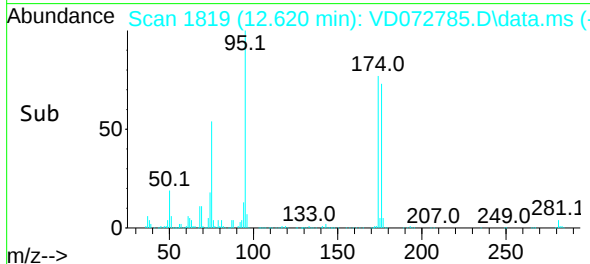
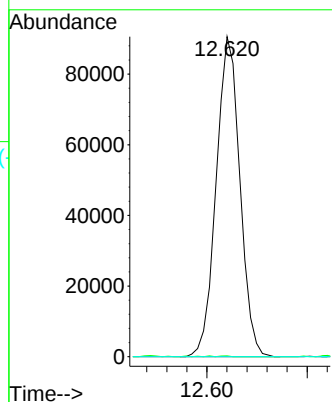
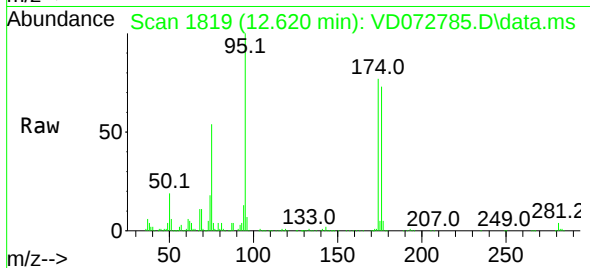




#81
trans-1,4-Dichloro-2-butene
Concen: 104.756 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

Instrument :
MSVOA_D
ClientSampleId :
22L097-A

Tgt Ion: 75 Resp: 148519
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 2.050 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VD072785.D
Acq: 04 May 2022 13:33

Tgt Ion:128 Resp: 21166
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.8 8.4 12.6

