

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072773.D
 Acq On : 03 May 2022 17:45
 Operator : VA/SY
 Sample : N2659-02
 Misc : 5.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 22L097-B

Quant Time: May 04 01:27:24 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)

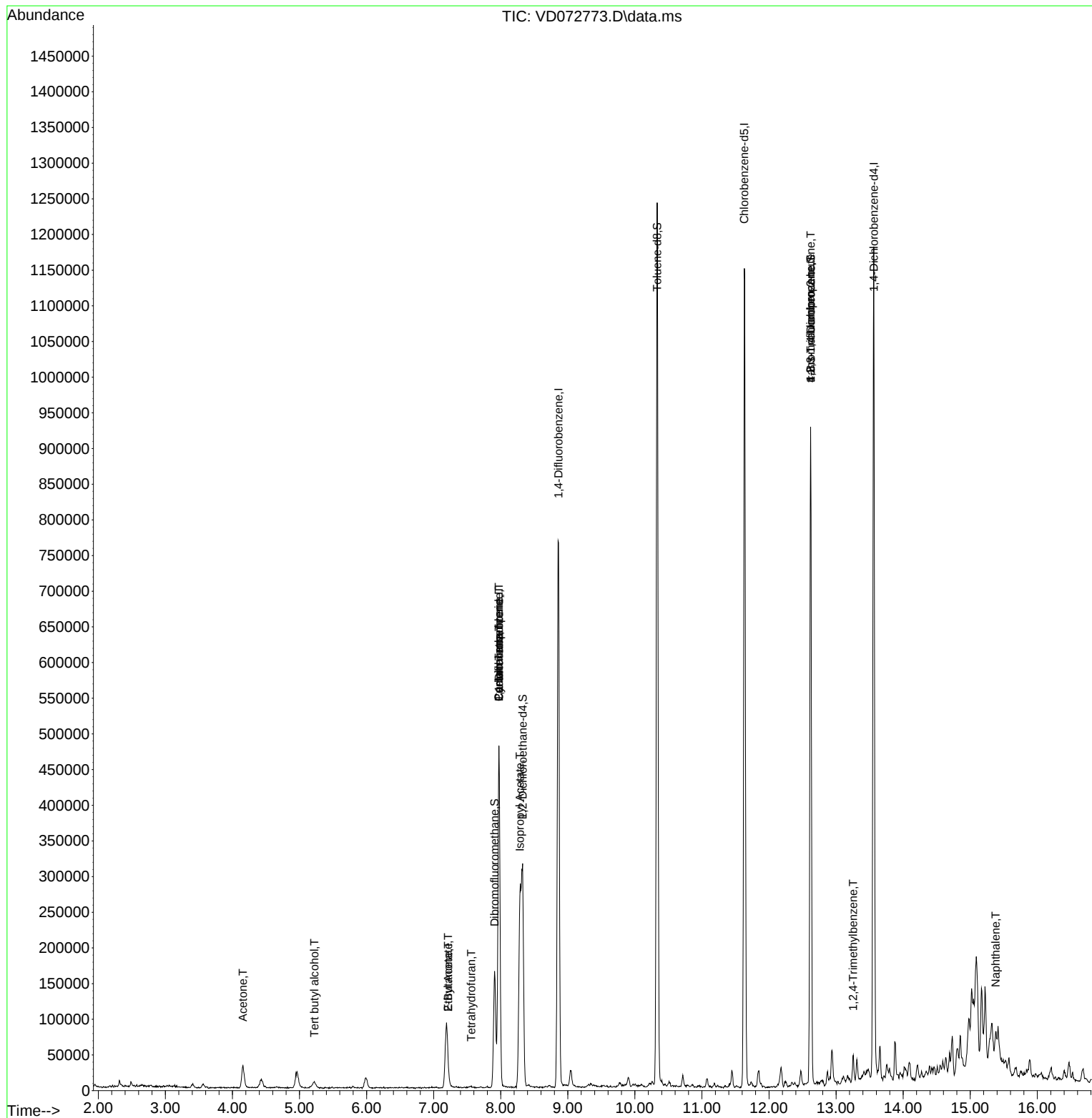
Internal Standards						
1) Pentafluorobenzene	7.973	168	334660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	670351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	651988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	300527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	221913	51.083	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.160%	
35) Dibromofluoromethane	7.909	113	118574	25.186	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 50.380%#	
50) Toluene-d8	10.332	98	805844	47.717	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.440%	
62) 4-Bromofluorobenzene	12.620	95	301558	47.889	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	704	Below Cal	#	76
11) Tert butyl alcohol	5.220	59	13647	36.309	ug/l #	93
16) Acetone	4.156	43	53520	54.944	ug/l	97
18) Methyl Acetate	4.773	43	59	Below Cal	#	55
20) Methylene Chloride	4.956	84	16868	Below Cal	#	78
25) 2-Butanone	7.214	43	20954	16.555	ug/l #	85
29) Tetrahydrofuran	7.562	42	1177	1.459	ug/l #	49
31) Cyclohexane	7.973	56	8507	1.120	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	28062	3.666	ug/l #	52
37) Ethyl Acetate	7.214	43	20954	5.954	ug/l #	72
38) Carbon Tetrachloride	7.973	117	34814	4.381	ug/l #	18
43) Isopropyl Acetate	8.285	43	6994	1.077	ug/l #	3
76) 1,2,3-Trichloropropane	12.620	75	158140	47.191	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	158140	108.520	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	22061	1.113	ug/l	98
95) Naphthalene	15.379	128	36168	3.407	ug/l #	95

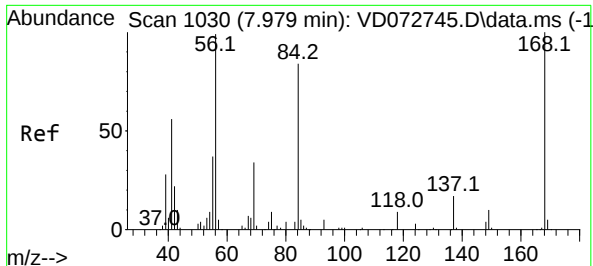
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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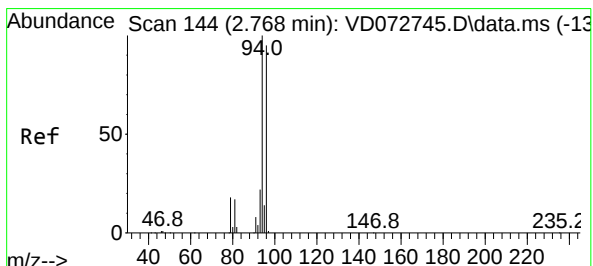
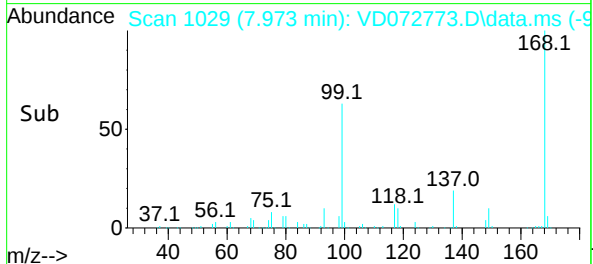
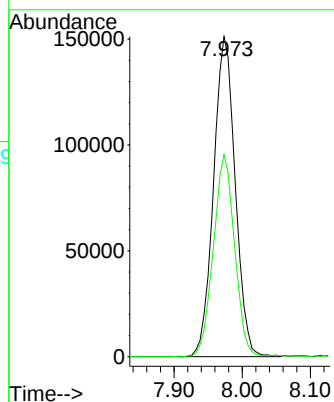
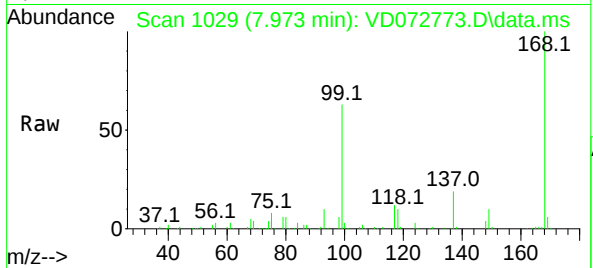




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

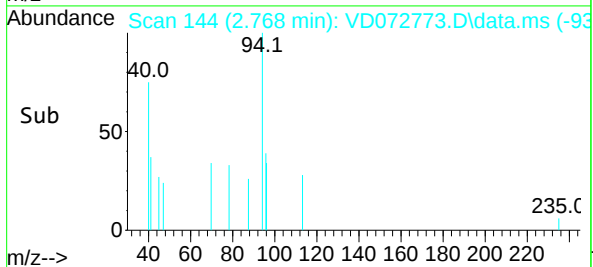
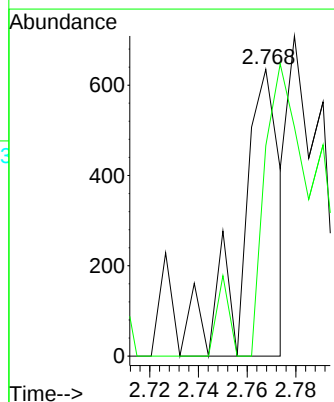
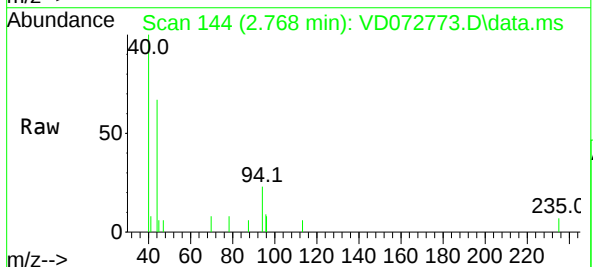
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

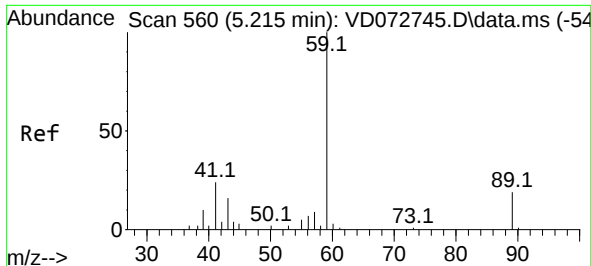
Tgt Ion:168 Resp: 334660
Ion Ratio Lower Upper
168 100
99 63.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

Tgt Ion: 94 Resp: 704
Ion Ratio Lower Upper
94 100
96 73.4 77.6 116.4#





#11

Tert butyl alcohol

Concen: 36.309 ug/l

RT: 5.220 min Scan# 5

Delta R.T. 0.005 min

Lab File: VD072773.D

Acq: 03 May 2022 17:45

Instrument :

MSVOA_D

ClientSampleId :

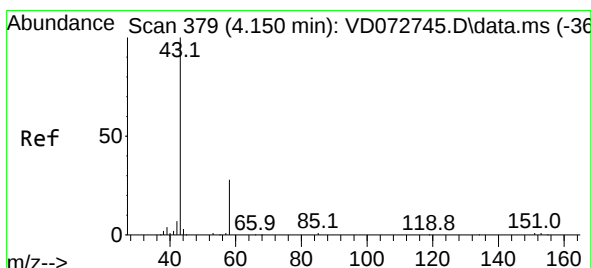
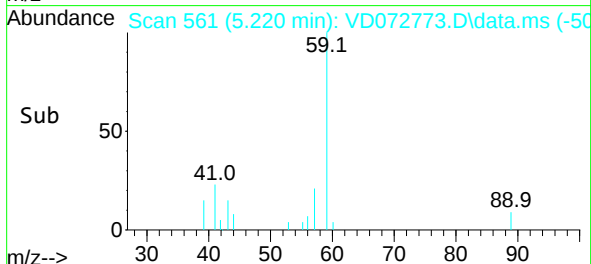
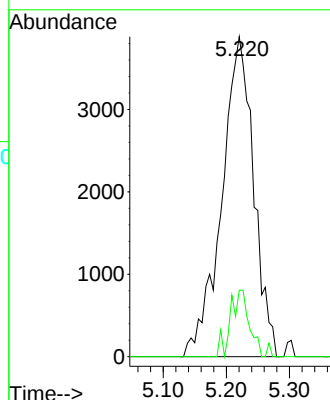
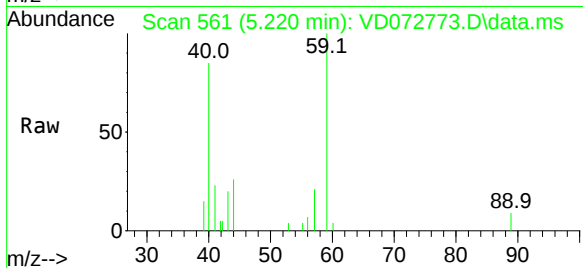
22L097-B

Tgt Ion: 59 Resp: 13647

Ion Ratio Lower Upper

59 100

57 12.2 7.8 11.6#



#16

Acetone

Concen: 54.944 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD072773.D

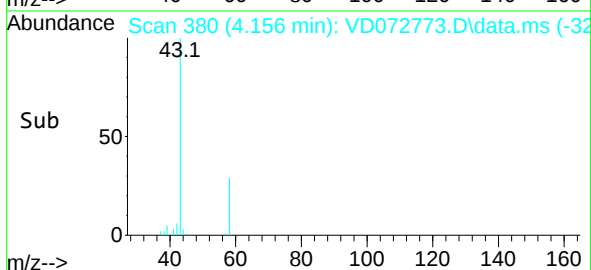
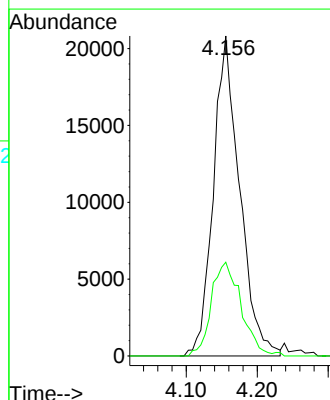
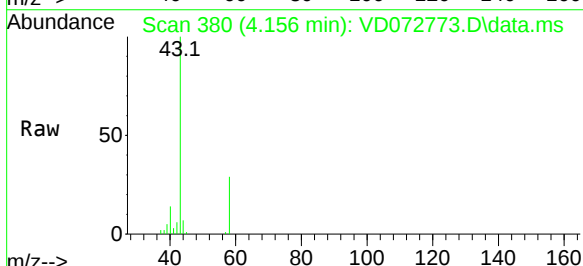
Acq: 03 May 2022 17:45

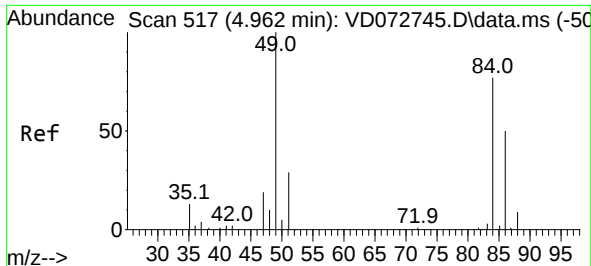
Tgt Ion: 43 Resp: 53520

Ion Ratio Lower Upper

43 100

58 29.3 22.1 33.1



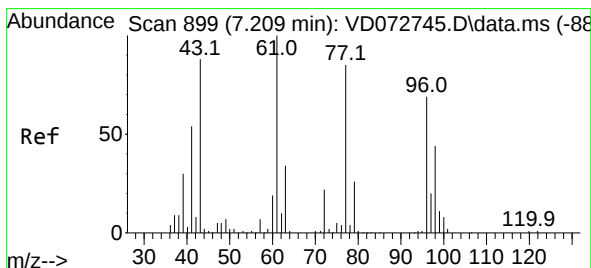
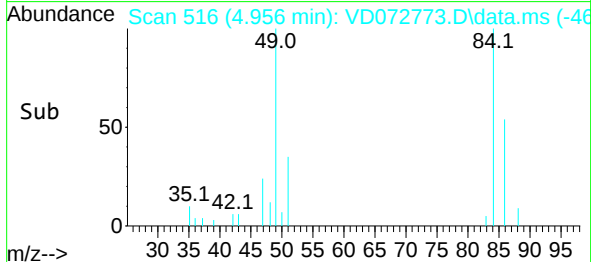
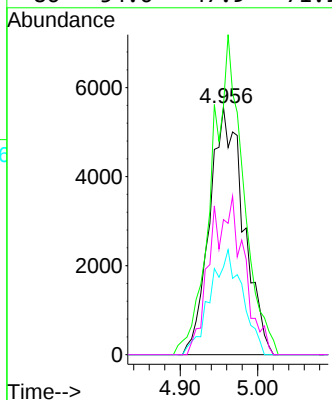
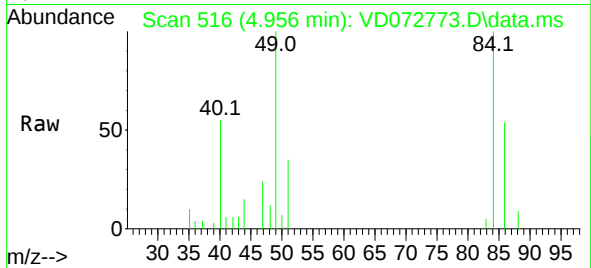


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

Instrument :
MSVOA_D
ClientSampleId :
22L097-B

Tgt Ion: 84 Resp: 16868

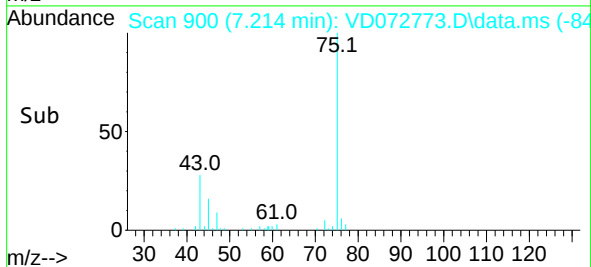
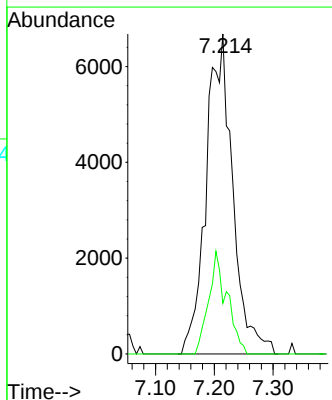
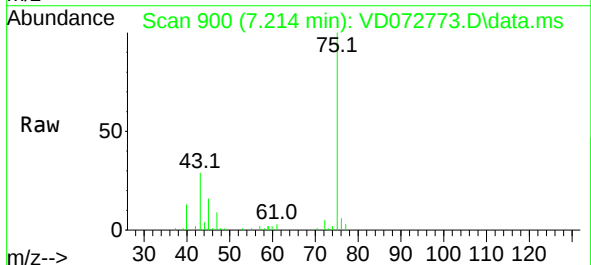
Ion	Ratio	Lower	Upper
84	100		
49	100.5	112.8	169.2#
51	35.5	32.6	48.8
86	54.6	47.9	71.9

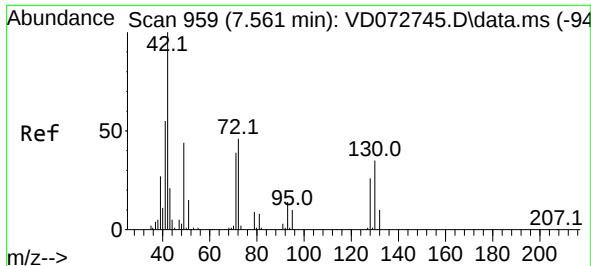


#25
2-Butanone
Concen: 16.555 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

Tgt Ion: 43 Resp: 20954

Ion	Ratio	Lower	Upper
43	100		
72	15.8	18.6	27.8#





#29

Tetrahydrofuran

Concen: 1.459 ug/l

RT: 7.562 min Scan# 91

Delta R.T. 0.001 min

Lab File: VD072773.D

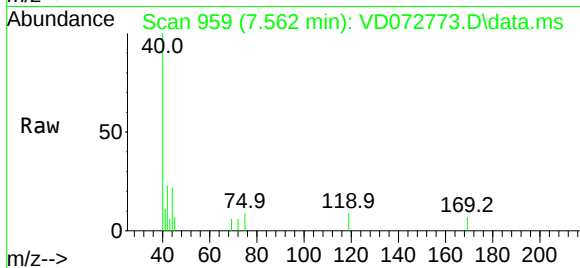
Acq: 03 May 2022 17:45

Instrument :

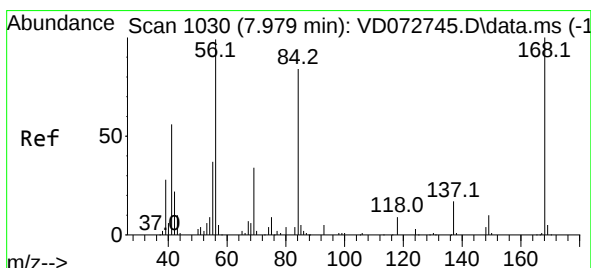
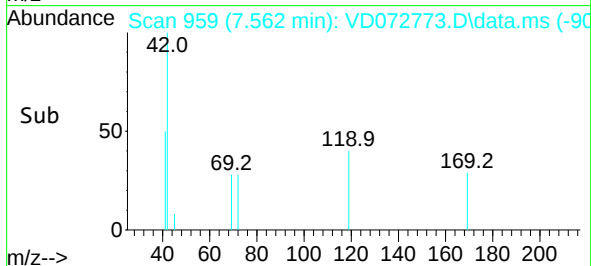
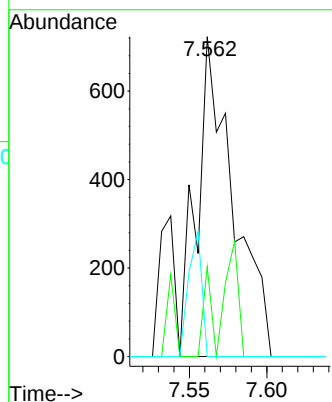
MSVOA_D

ClientSampleId :

22L097-B



Tgt Ion:	42	Resp:	1177
Ion Ratio	Lower	Upper	
42	100		
72	0.0	30.7	46.1#
71	14.2	28.6	43.0#



#31

Cyclohexane

Concen: 1.120 ug/l

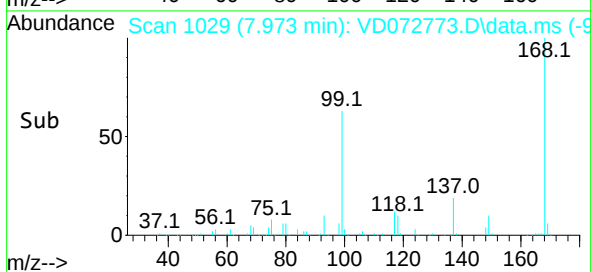
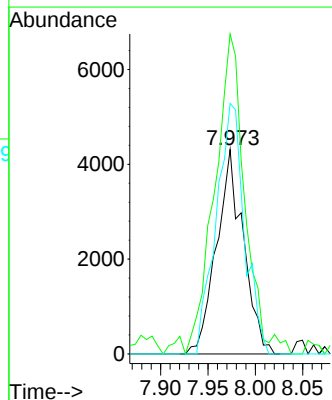
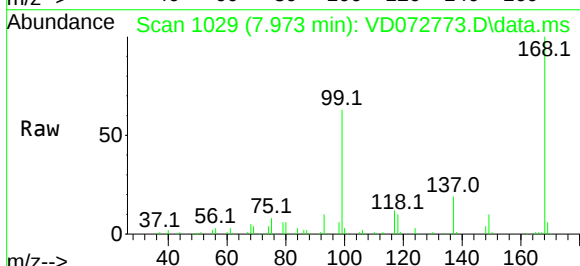
RT: 7.973 min Scan# 1029

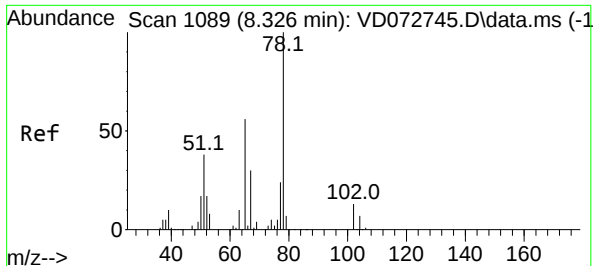
Delta R.T. -0.006 min

Lab File: VD072773.D

Acq: 03 May 2022 17:45

Tgt Ion:	56	Resp:	8507
Ion Ratio	Lower	Upper	
56	100		
69	151.2	25.4	38.2#
84	122.5	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.083 ug/l

RT: 8.326 min Scan# 110

Delta R.T. 0.000 min

Lab File: VD072773.D

Acq: 03 May 2022 17:45

Instrument :

MSVOA_D

ClientSampleId :

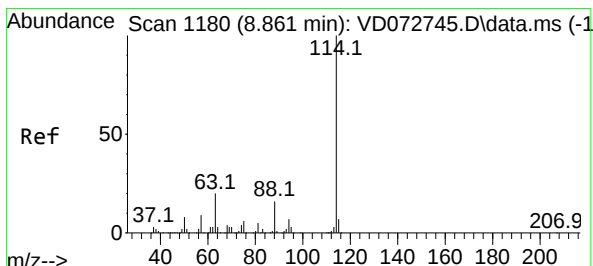
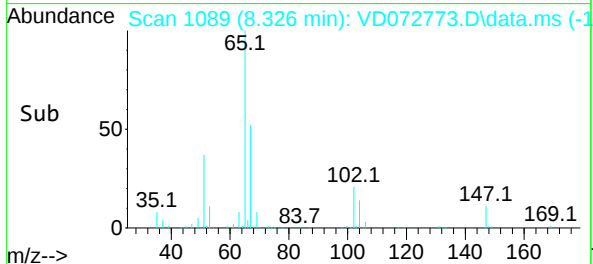
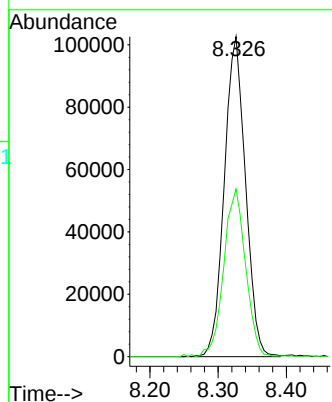
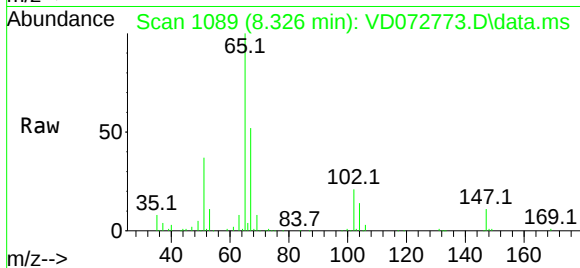
22L097-B

Tgt Ion: 65 Resp: 221913

Ion Ratio Lower Upper

65 100

67 54.0 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: VD072773.D

Acq: 03 May 2022 17:45

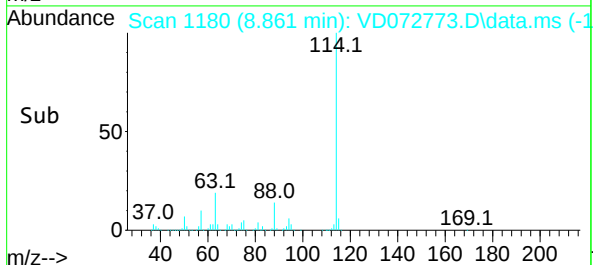
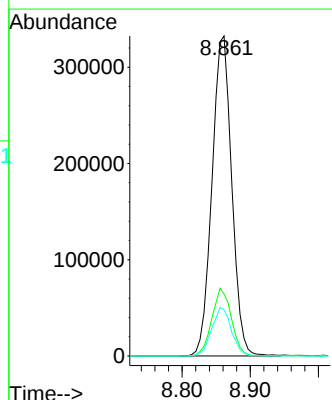
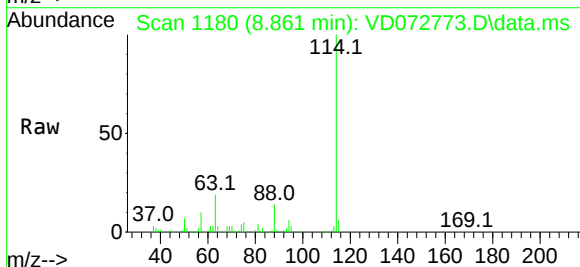
Tgt Ion: 114 Resp: 670351

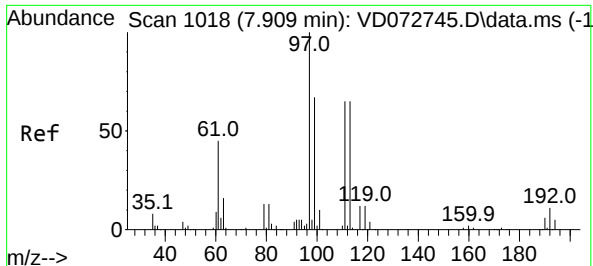
Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 14.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 25.186 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072773.D

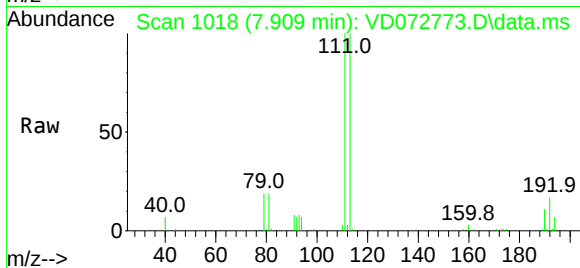
Acq: 03 May 2022 17:45

Instrument :

MSVOA_D

ClientSampleId :

22L097-B



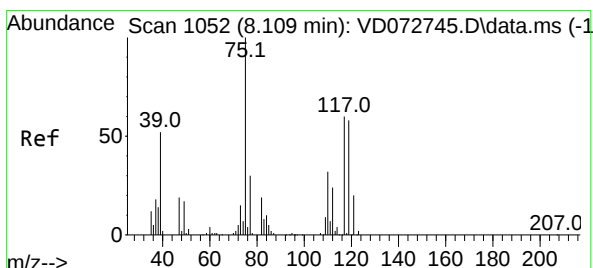
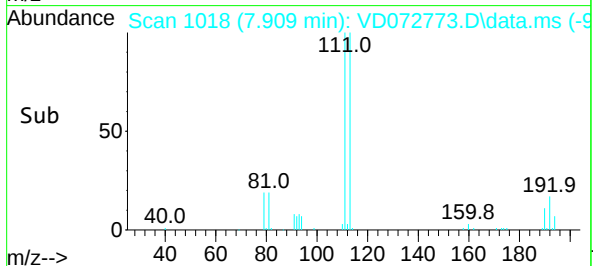
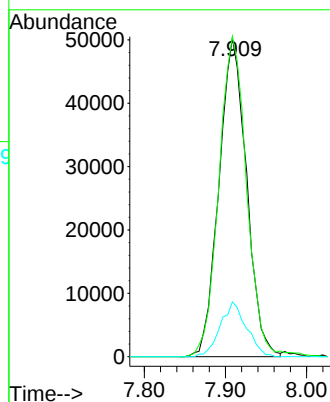
Tgt Ion:113 Resp: 118574

Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 16.3 14.6 21.8



#36

1,1-Dichloropropene

Concen: 3.666 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072773.D

Acq: 03 May 2022 17:45

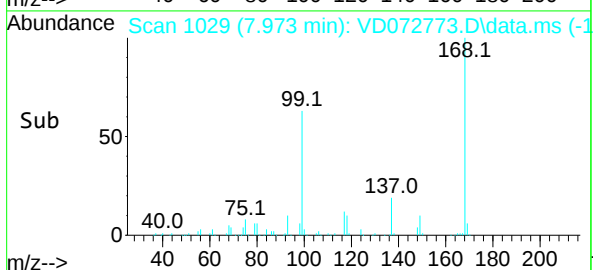
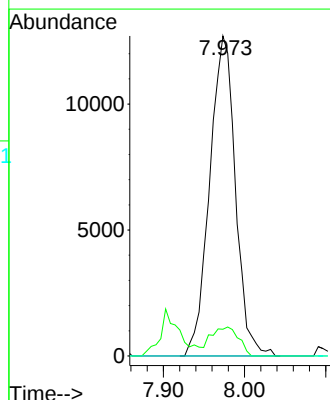
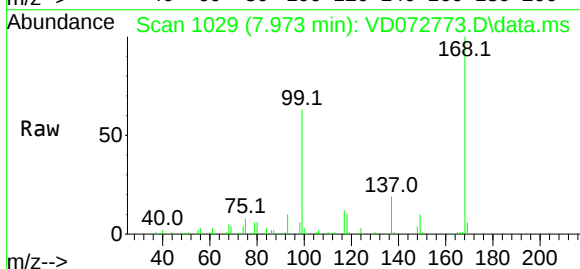
Tgt Ion: 75 Resp: 28062

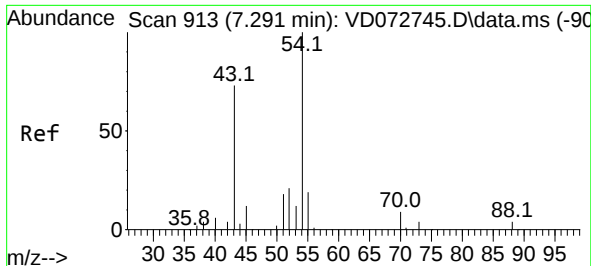
Ion Ratio Lower Upper

75 100

110 9.5 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 5.954 ug/l

RT: 7.214 min Scan# 90

Delta R.T. -0.077 min

Lab File: VD072773.D

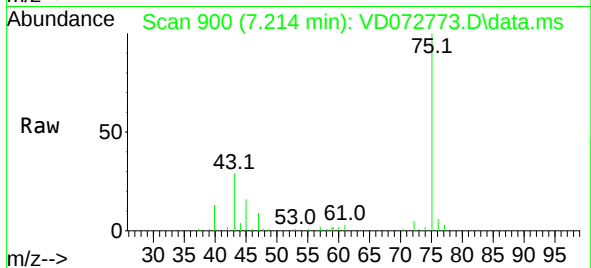
Acq: 03 May 2022 17:45

Instrument :

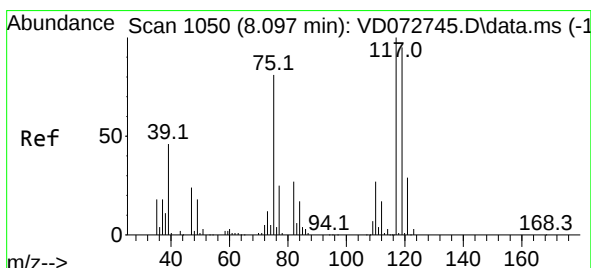
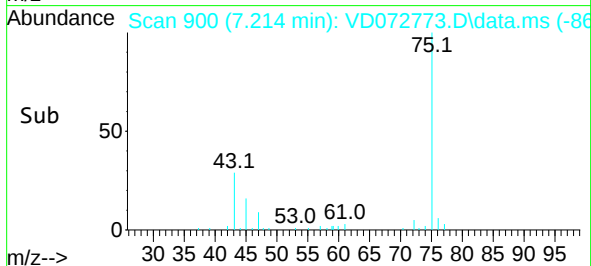
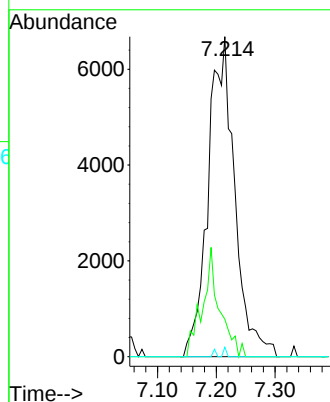
MSVOA_D

ClientSampleId :

22L097-B



Tgt Ion: 43	Resp: 20954
Ion Ratio	Lower Upper
43 100	
61 0.0	9.8 14.8#
70 0.3	6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.381 ug/l

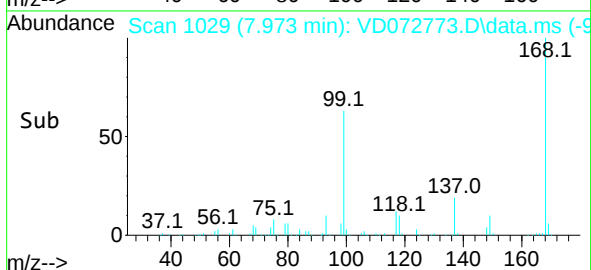
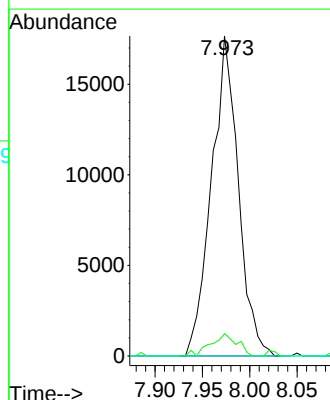
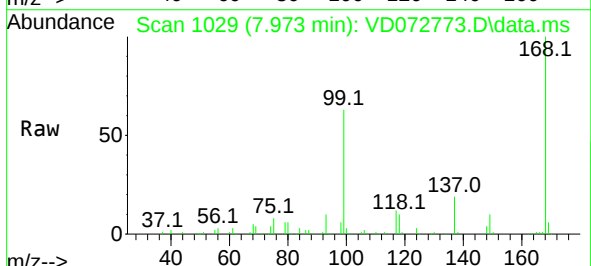
RT: 7.973 min Scan# 1029

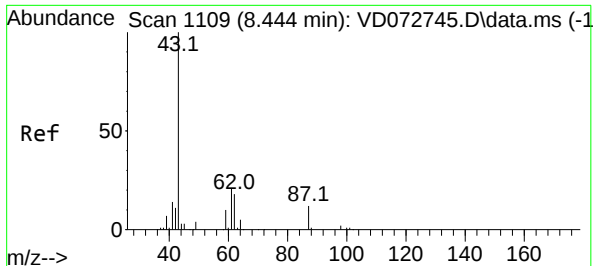
Delta R.T. -0.124 min

Lab File: VD072773.D

Acq: 03 May 2022 17:45

Tgt Ion: 117	Resp: 34814
Ion Ratio	Lower Upper
117 100	
119 7.0	75.8 113.6#
121 0.0	24.5 36.7#





#43

Isopropyl Acetate

Concen: 1.077 ug/l

RT: 8.285 min Scan# 1082

Delta R.T. -0.159 min

Lab File: VD072773.D

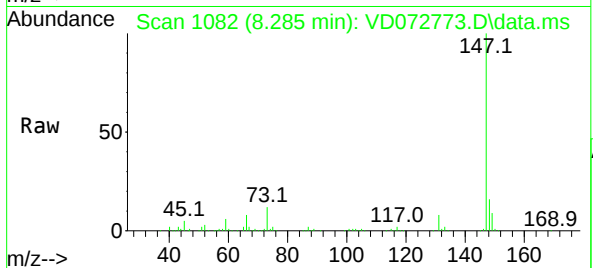
Acq: 03 May 2022 17:45

Instrument :

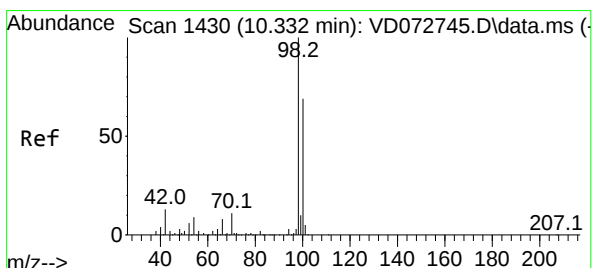
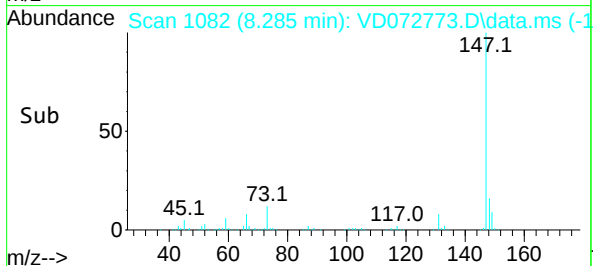
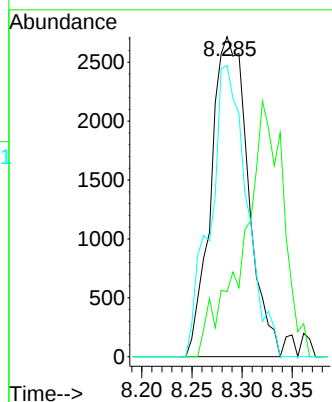
MSVOA_D

ClientSampleId :

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Tgt Ion: 43	Resp: 6994
Ion Ratio	Lower Upper
43	100
61	0.0 22.4 33.6#
87	90.1 8.7 13.1#



#50

Toluene-d8

Concen: 47.717 ug/l

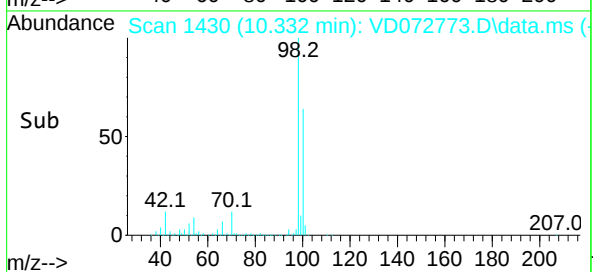
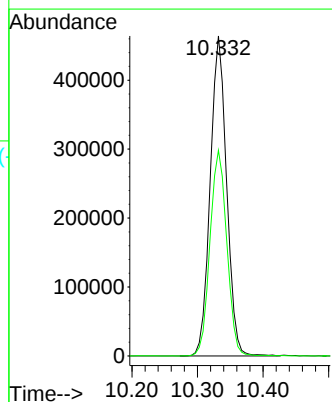
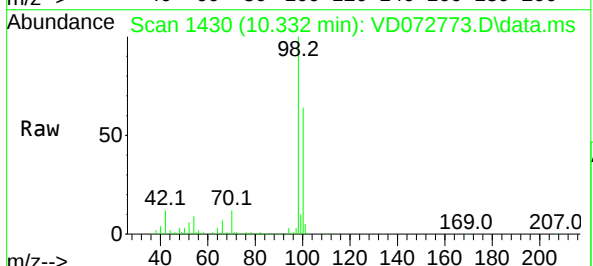
RT: 10.332 min Scan# 1430

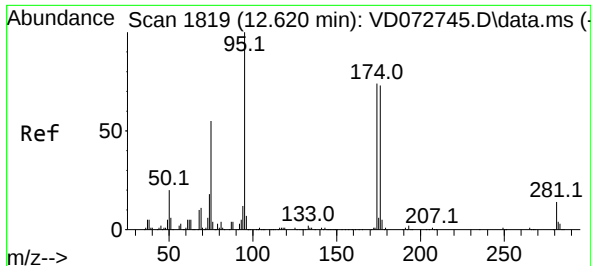
Delta R.T. -0.000 min

Lab File: VD072773.D

Acq: 03 May 2022 17:45

Tgt Ion: 98	Resp: 805844
Ion Ratio	Lower Upper
98	100
100	66.1 52.4 78.6

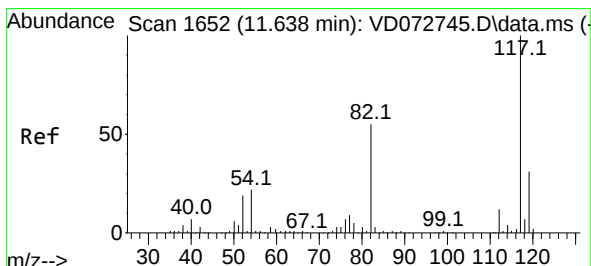
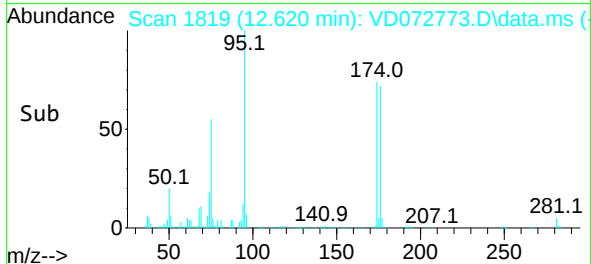
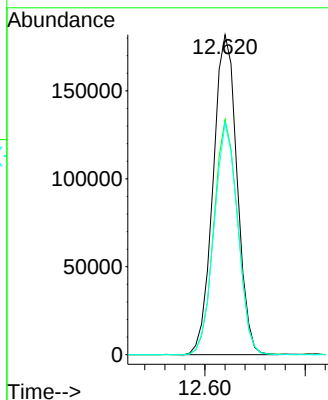
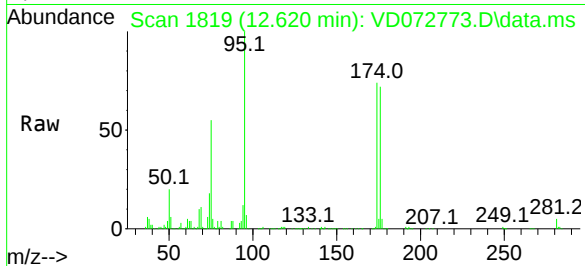




#62
4-Bromofluorobenzene
Concen: 47.889 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

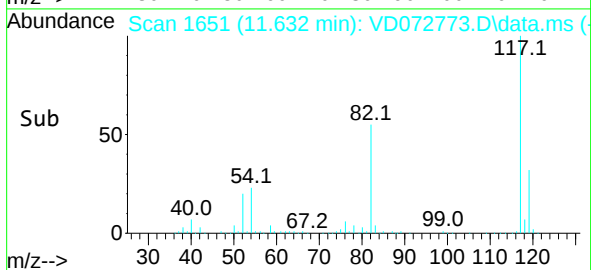
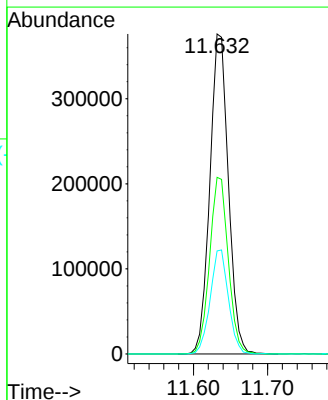
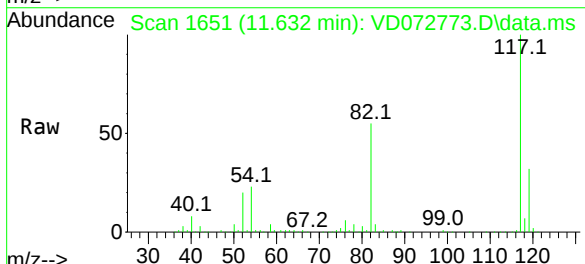
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

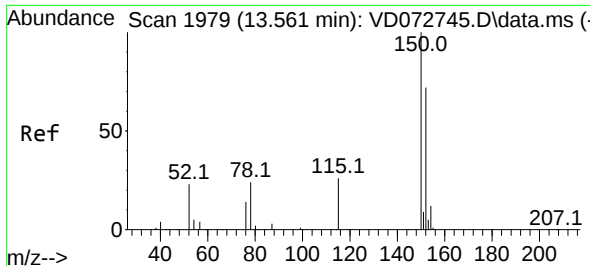
Tgt Ion: 95 Resp: 301558
Ion Ratio Lower Upper
95 100
174 72.9 0.0 152.8
176 71.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

Tgt Ion: 117 Resp: 651988
Ion Ratio Lower Upper
117 100
82 55.2 45.3 67.9
119 32.2 26.6 40.0

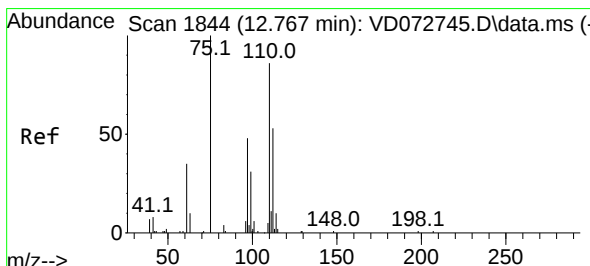
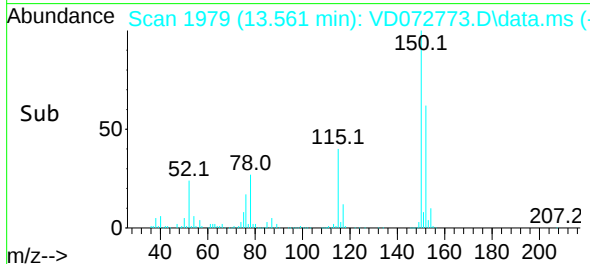
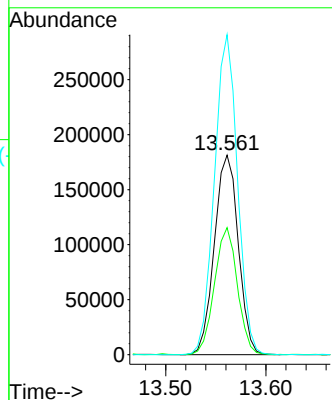
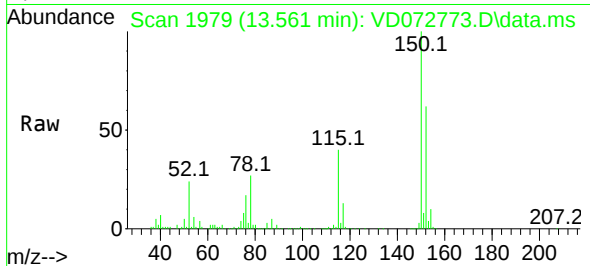




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

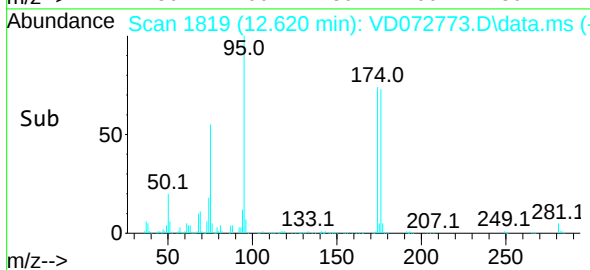
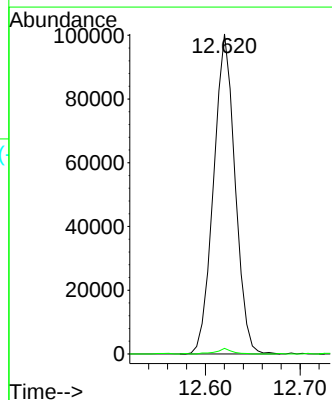
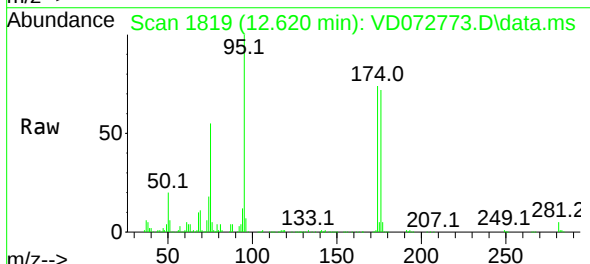
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

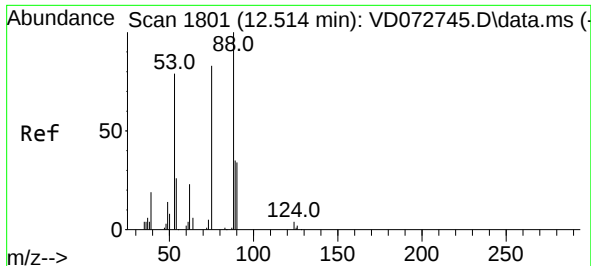
Tgt Ion:152 Resp: 300527
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 154.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 47.191 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

Tgt Ion: 75 Resp: 158140
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

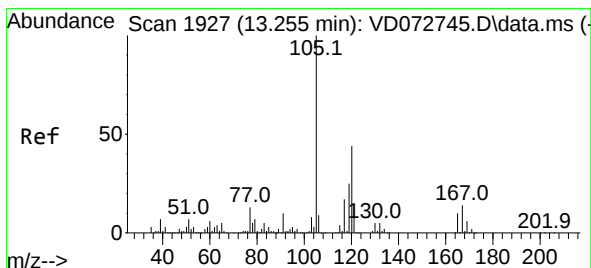
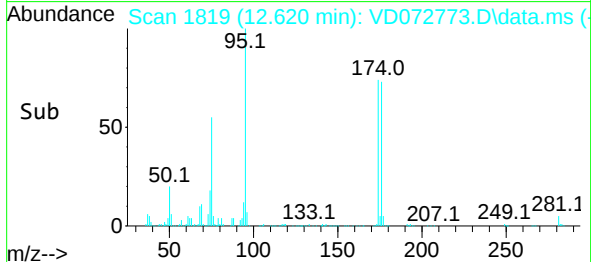
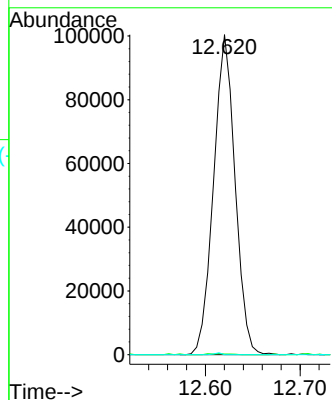
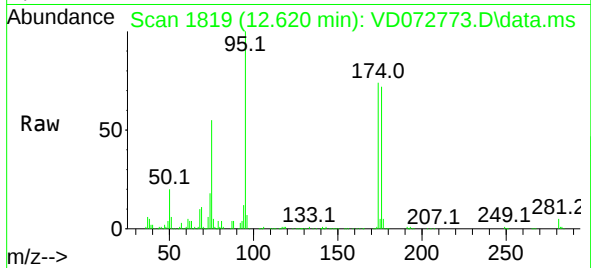




#81
trans-1,4-Dichloro-2-butene
Concen: 108.520 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

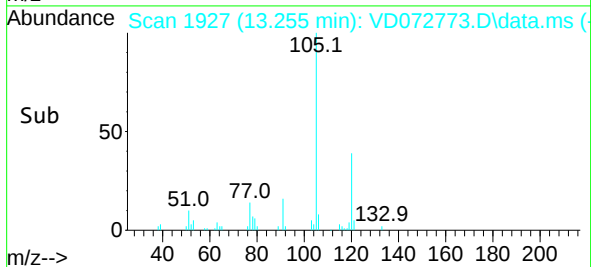
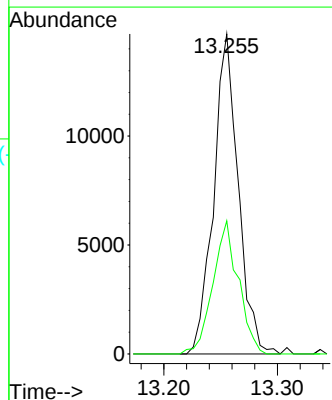
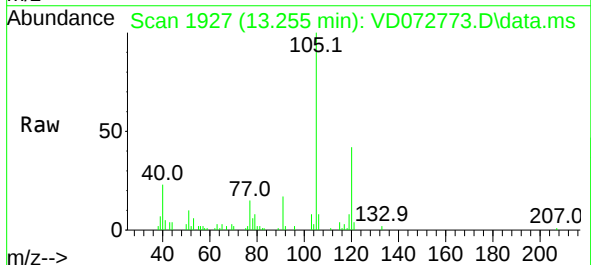
Instrument :
MSVOA_D
ClientSampleId :
22L097-B

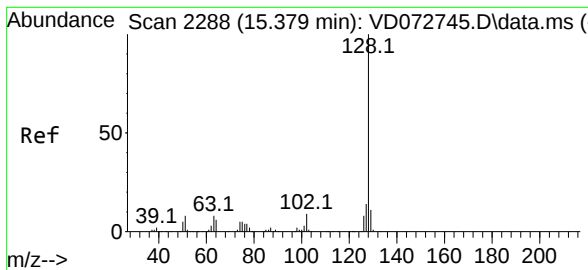
Tgt Ion: 75 Resp: 158140
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.2 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.113 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

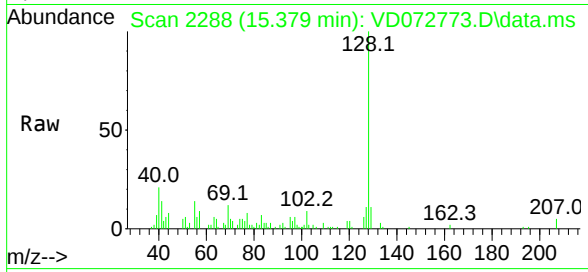
Tgt Ion: 105 Resp: 22061
Ion Ratio Lower Upper
105 100
120 43.2 22.3 66.8





#95
Naphthalene
Concen: 3.407 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD072773.D
Acq: 03 May 2022 17:45

Instrument :
MSVOA_D
ClientSampleId :
22L097-B



Tgt Ion:	128	Resp:	36168
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	13.5	8.4	12.6#

