

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061522\
 Data File : VD073592.D
 Acq On : 15 Jun 2022 15:34
 Operator : VA/SY
 Sample : N3329-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 06:03:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

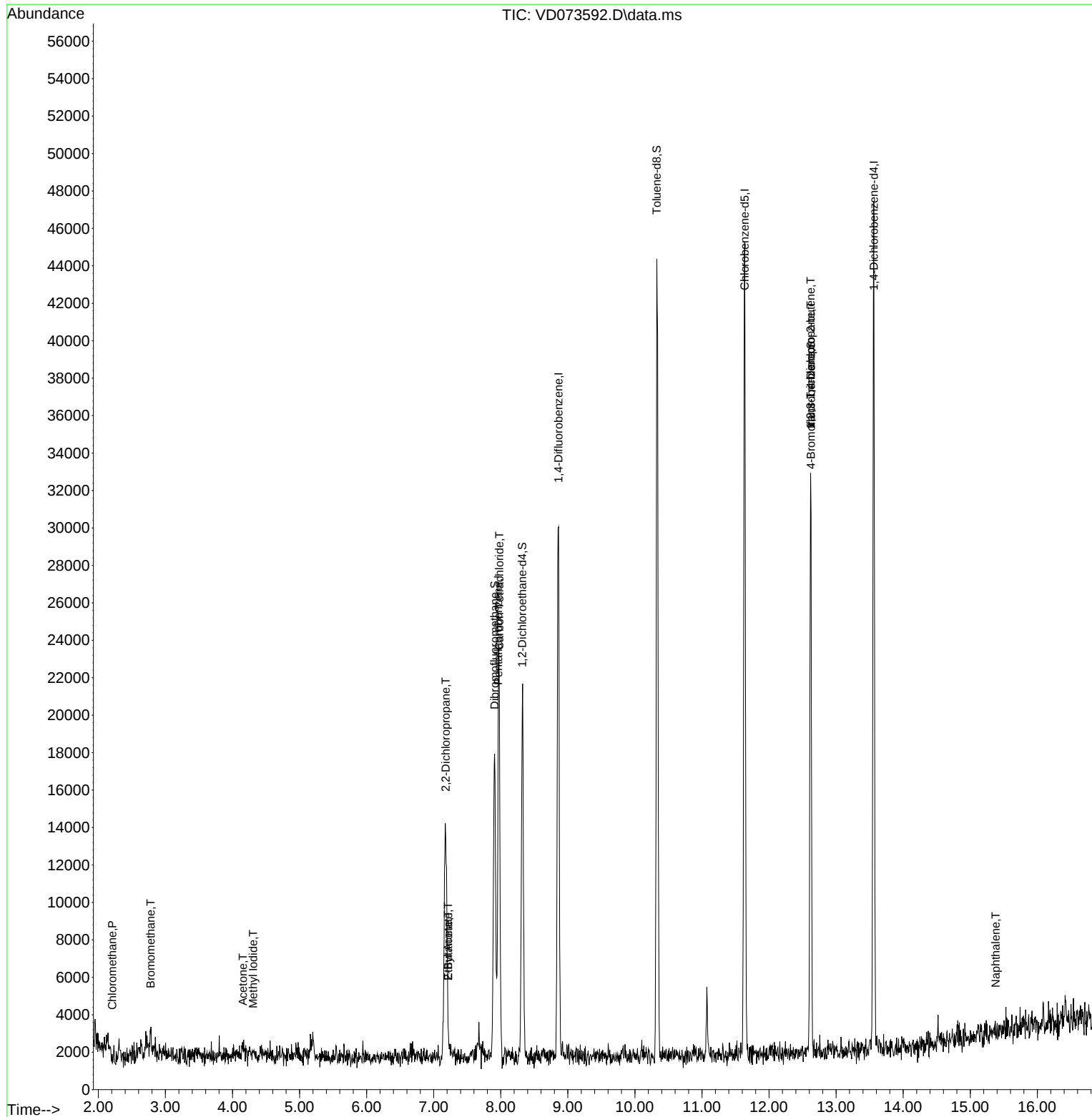
Internal Standards						
1) Pentafluorobenzene	7.961	168	16999	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	26377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	27681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	12685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	15474	84.825	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 169.660%#	
35) Dibromofluoromethane	7.908	113	12083	71.238	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 142.480%	
50) Toluene-d8	10.326	98	29483	45.974	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.940%	
62) 4-Bromofluorobenzene	12.626	95	11214	48.169	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 96.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	181	1.089	ug/l #	40
5) Bromomethane	2.779	94	725	6.488	ug/l	82
10) Methyl Iodide	4.309	142	200	5.047	ug/l #	82
11) Tert butyl alcohol	5.167	59	555	Below Cal	#	74
16) Acetone	4.156	43	1161	36.146	ug/l #	47
20) Methylene Chloride	4.956	84	282	Below Cal	#	47
25) 2-Butanone	7.214	43	122	2.581	ug/l #	52
26) 2,2-Dichloropropane	7.179	77	981	3.203	ug/l #	54
37) Ethyl Acetate	7.214	43	122	1.186	ug/l #	72
38) Carbon Tetrachloride	7.979	117	1829	6.863	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	5510	44.713	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	5510	104.949	ug/l #	7
95) Naphthalene	15.379	128	102	4.408	ug/l #	70

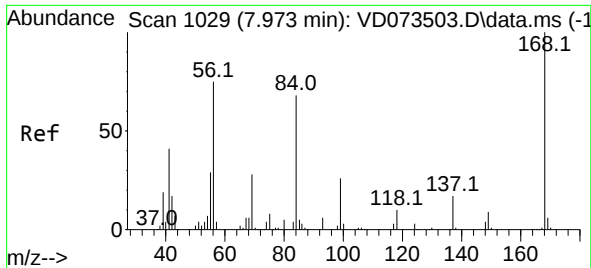
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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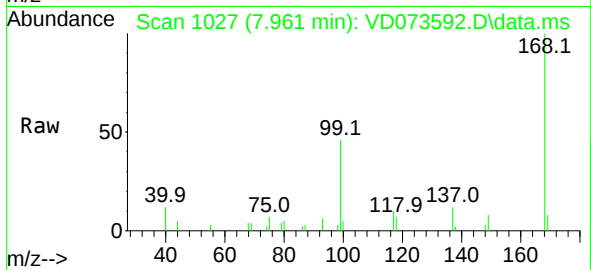
Quant Time: Jun 16 06:03:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration



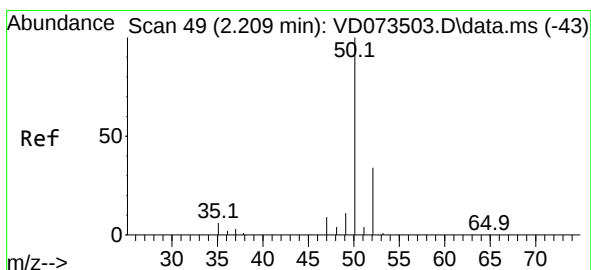
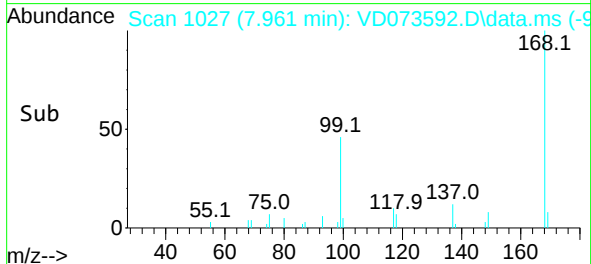
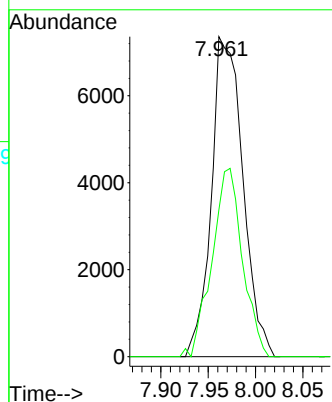


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.012 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

Instrument :
MSVOA_D
ClientSampleId :

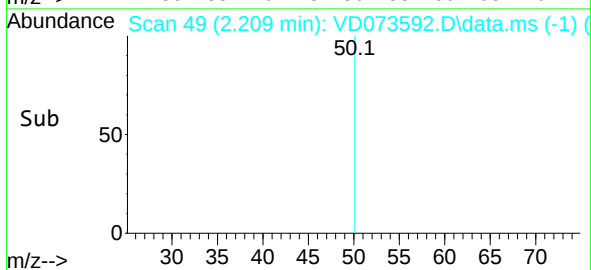
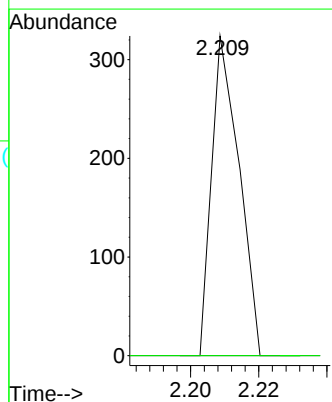
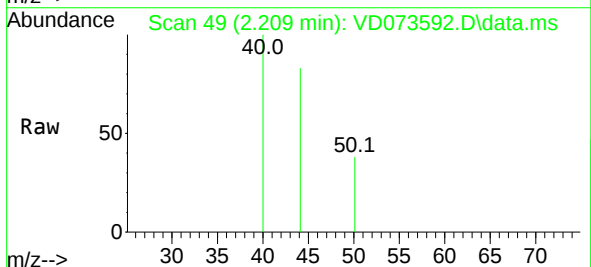


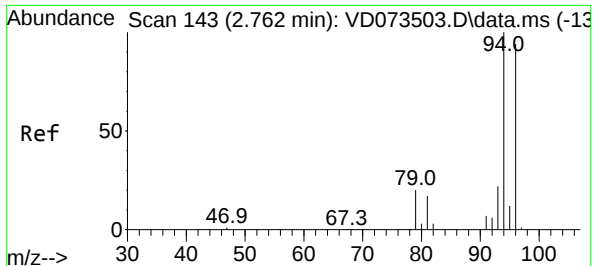
Tgt Ion:168 Resp: 16999
Ion Ratio Lower Upper
168 100
99 45.9 49.8 74.6#



#3
Chloromethane
Concen: 1.089 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

Tgt Ion: 50 Resp: 181
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

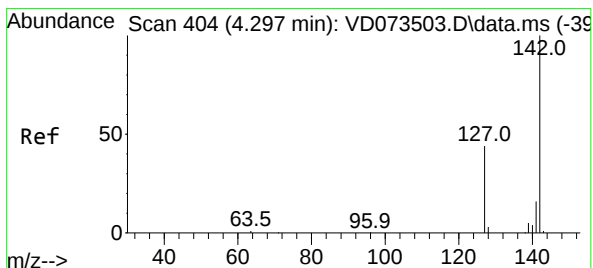
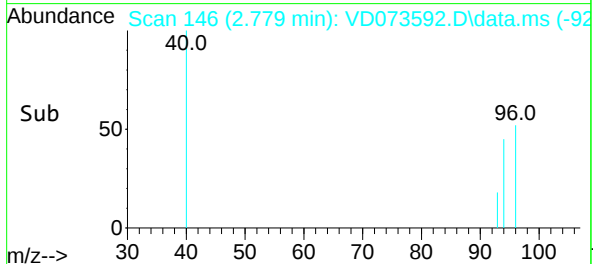
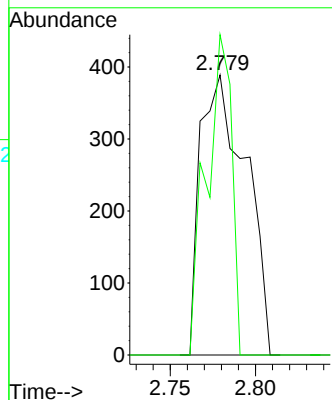
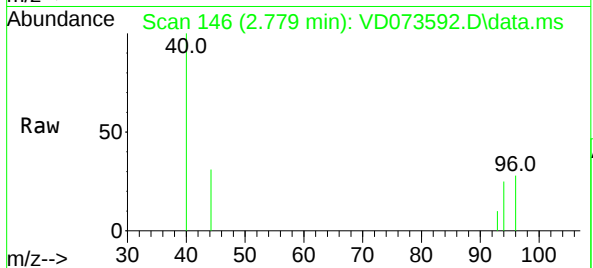




#5
Bromomethane
Concen: 6.488 ug/l
RT: 2.779 min Scan# 14
Delta R.T. 0.017 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

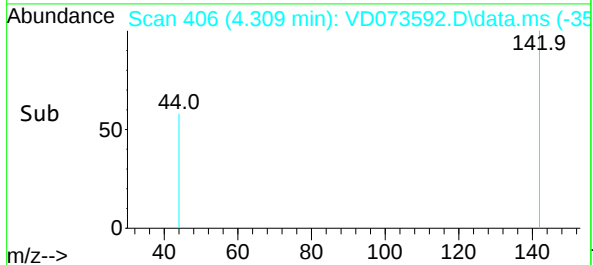
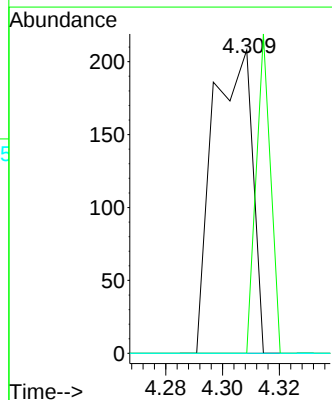
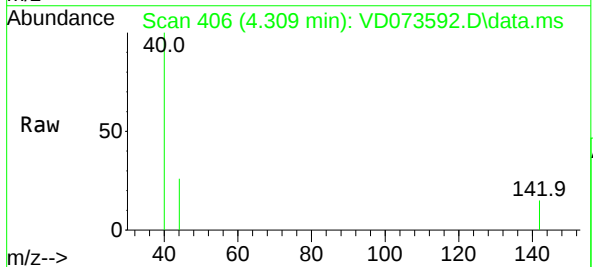
Instrument :
MSVOA_D
ClientSampleId :

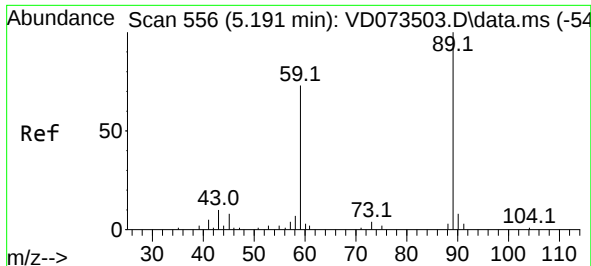
Tgt Ion: 94 Resp: 725
Ion Ratio Lower Upper
94 100
96 114.4 77.6 116.4



#10
Methyl Iodide
Concen: 5.047 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

Tgt Ion: 142 Resp: 200
Ion Ratio Lower Upper
142 100
127 38.5 37.3 55.9
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.167 min Scan# 51

Delta R.T. -0.024 min

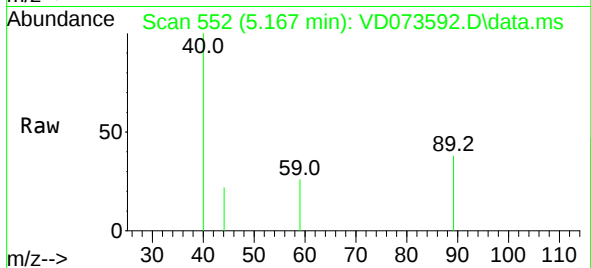
Lab File: VD073592.D

Acq: 15 Jun 2022 15:34

Instrument :

MSVOA_D

ClientSampleId :

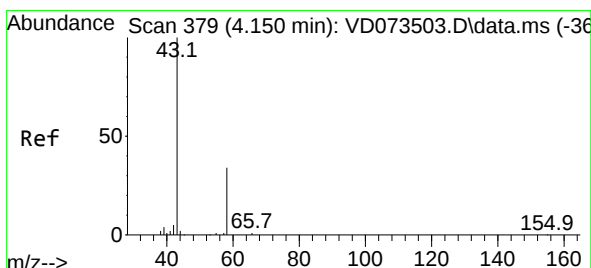
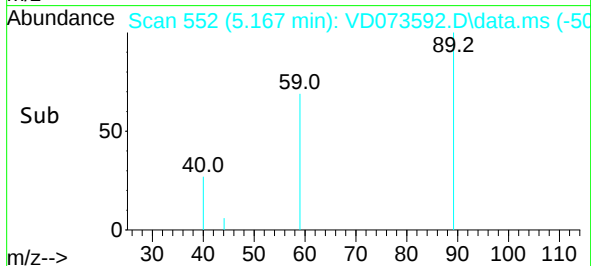
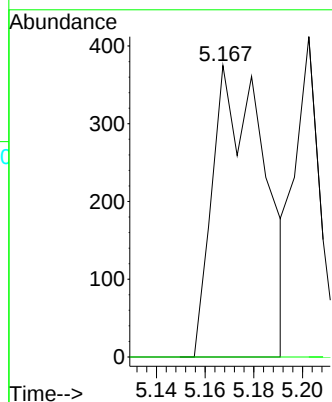


Tgt Ion: 59 Resp: 555

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 36.146 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD073592.D

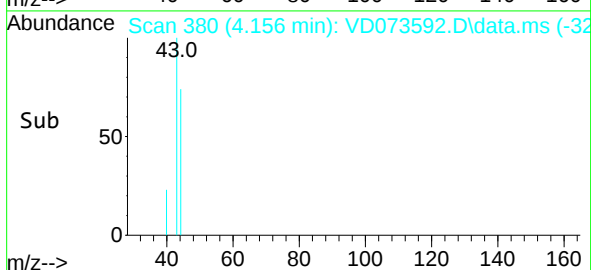
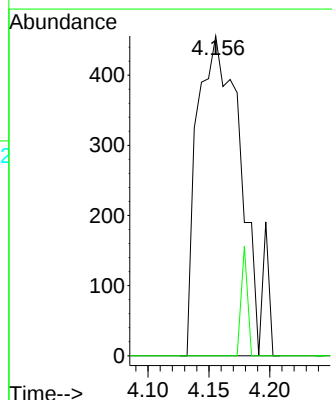
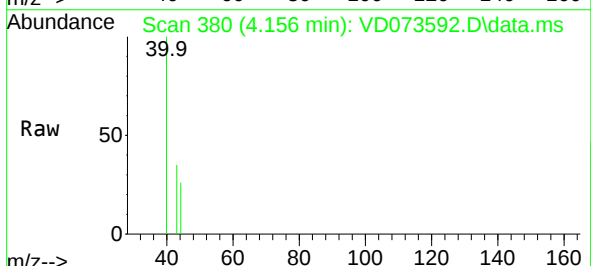
Acq: 15 Jun 2022 15:34

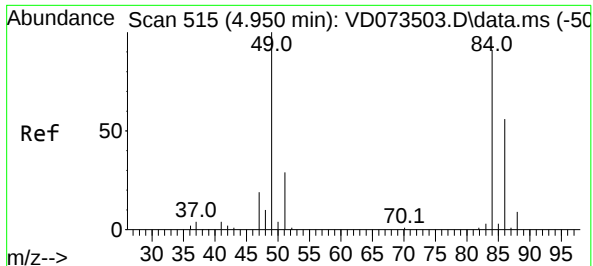
Tgt Ion: 43 Resp: 1161

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 515

Delta R.T. 0.006 min

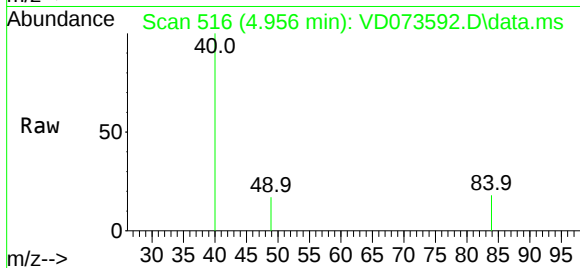
Lab File: VD073592.D

Acq: 15 Jun 2022 15:34

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 282

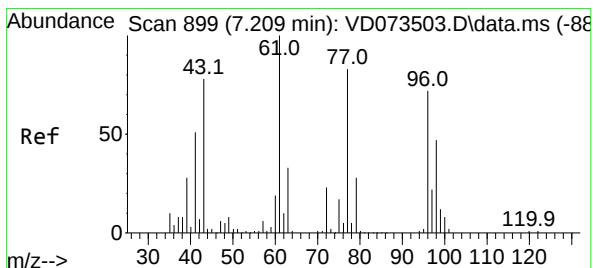
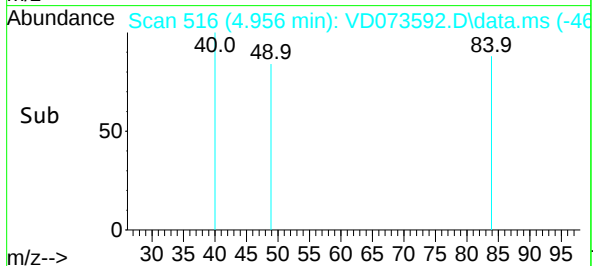
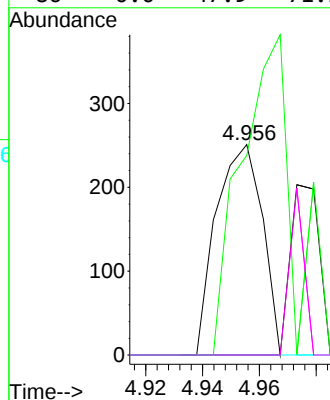
Ion Ratio Lower Upper

84 100

49 94.8 112.8 169.2#

51 0.0 32.6 48.8#

86 0.0 47.9 71.9#



#25

2-Butanone

Concen: 2.581 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.005 min

Lab File: VD073592.D

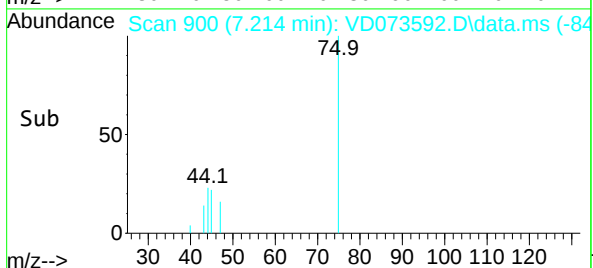
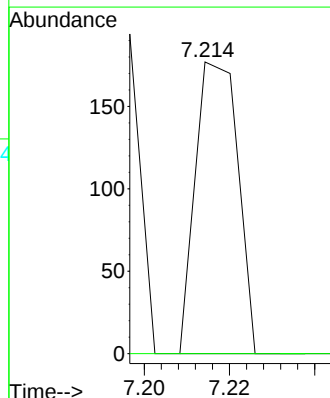
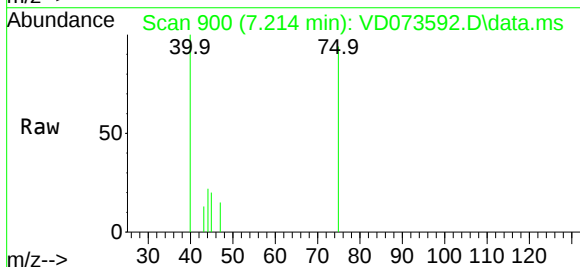
Acq: 15 Jun 2022 15:34

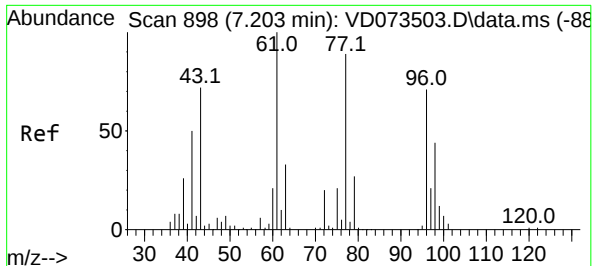
Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 3.203 ug/l

RT: 7.179 min Scan# 898

Delta R.T. -0.024 min

Lab File: VD073592.D

Acq: 15 Jun 2022 15:34

Instrument :

MSVOA_D

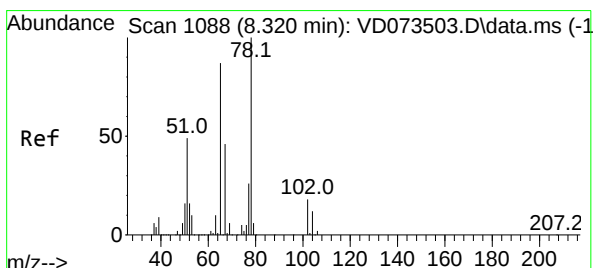
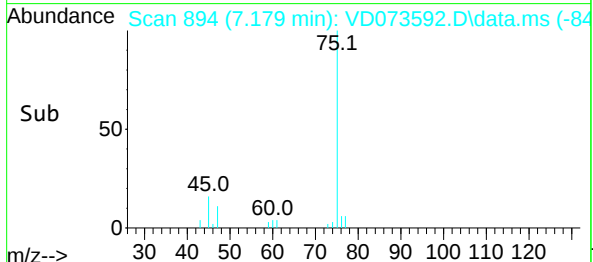
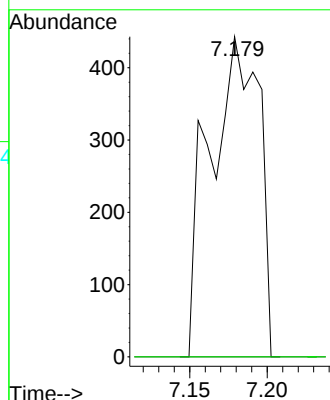
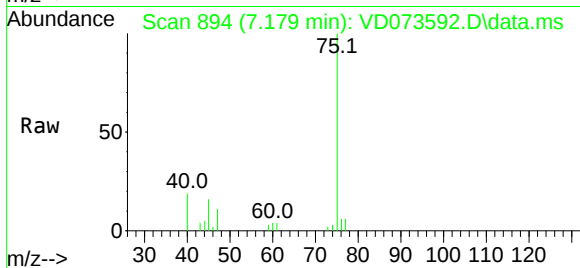
ClientSampleId :

Tgt Ion: 77 Resp: 981

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#33

1,2-Dichloroethane-d4

Concen: 84.825 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073592.D

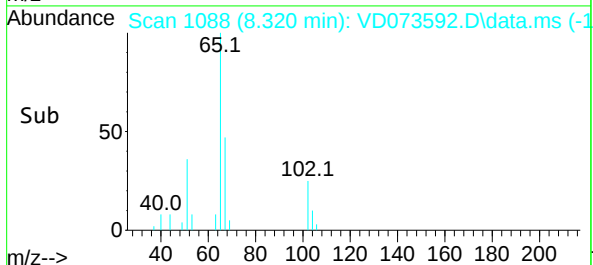
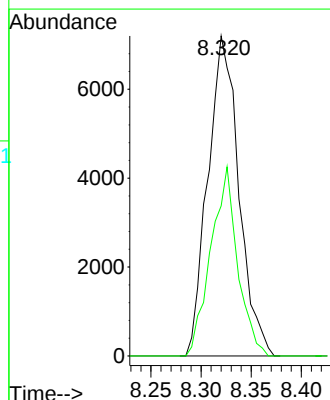
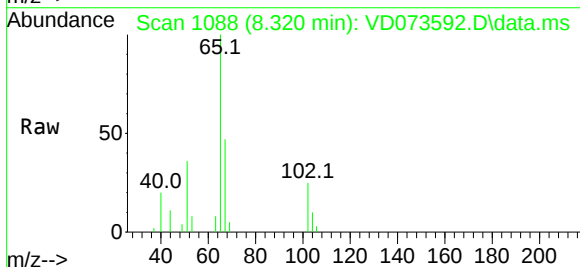
Acq: 15 Jun 2022 15:34

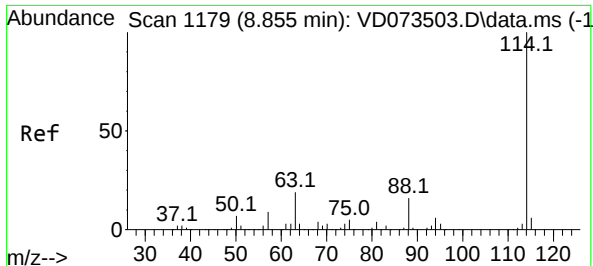
Tgt Ion: 65 Resp: 15474

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073592.D

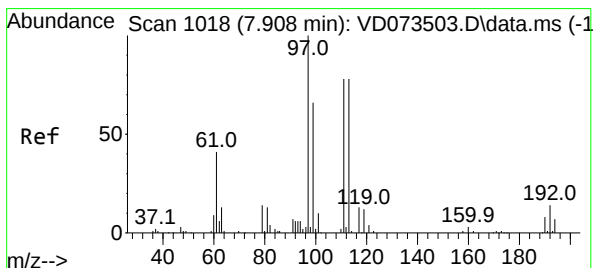
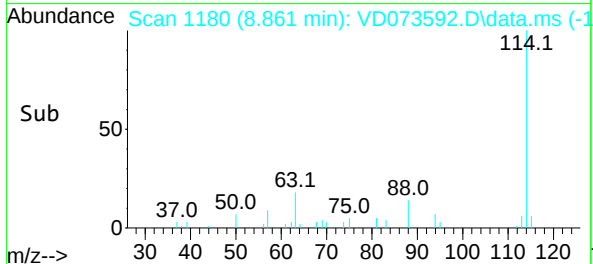
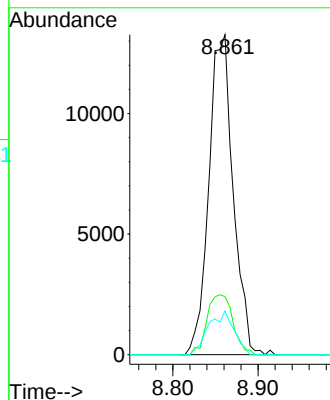
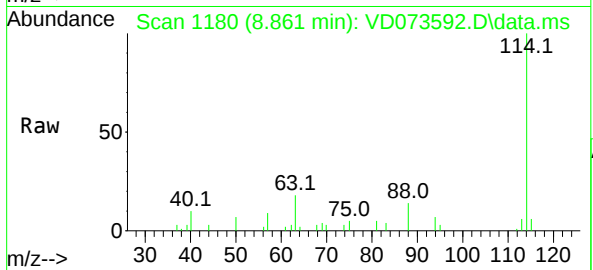
Acq: 15 Jun 2022 15:34

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	26377
Ion Ratio	Lower	Upper
114	100	
63	18.1	0.0 46.6
88	13.7	0.0 33.2



#35

Dibromofluoromethane

Concen: 71.238 ug/l

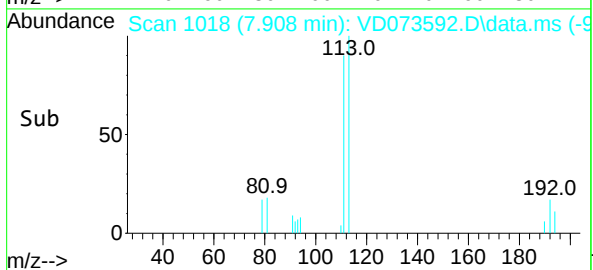
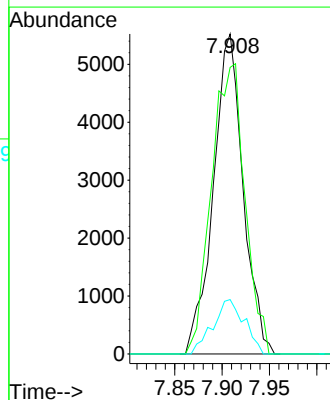
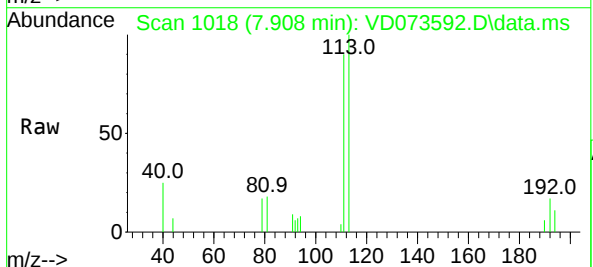
RT: 7.908 min Scan# 1018

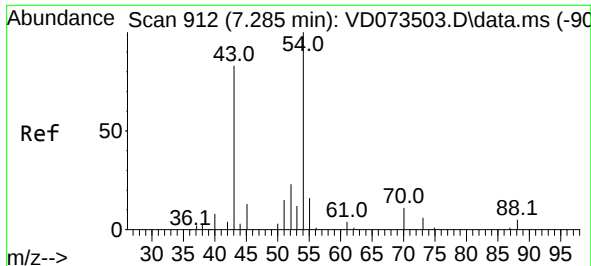
Delta R.T. 0.000 min

Lab File: VD073592.D

Acq: 15 Jun 2022 15:34

Tgt Ion:113	Resp:	12083
Ion Ratio	Lower	Upper
113	100	
111	102.1	83.8 125.6
192	18.0	14.6 21.8





#37

Ethyl Acetate

Concen: 1.186 ug/l

RT: 7.214 min Scan# 90

Delta R.T. -0.071 min

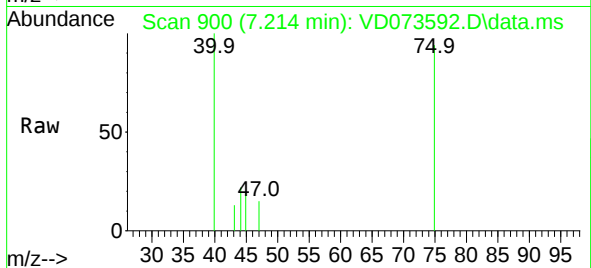
Lab File: VD073592.D

Acq: 15 Jun 2022 15:34

Instrument :

MSVOA_D

ClientSampleId :



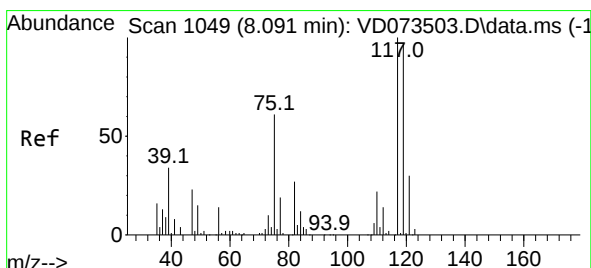
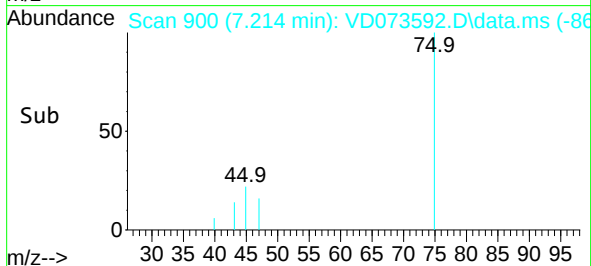
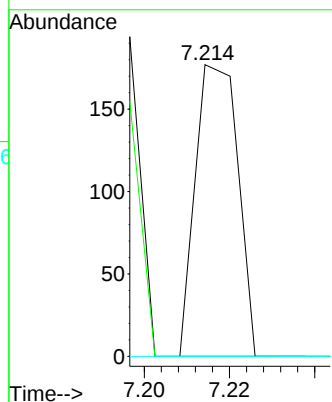
Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 6.863 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD073592.D

Acq: 15 Jun 2022 15:34

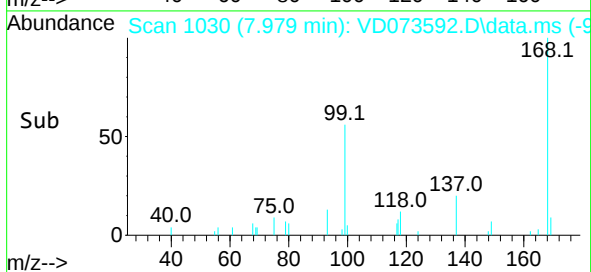
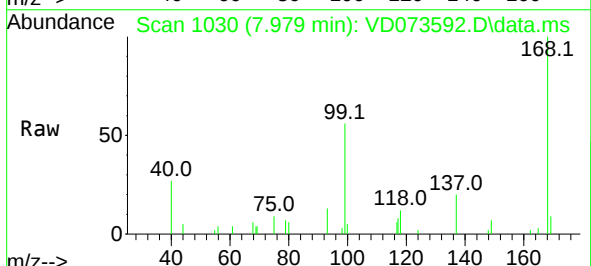
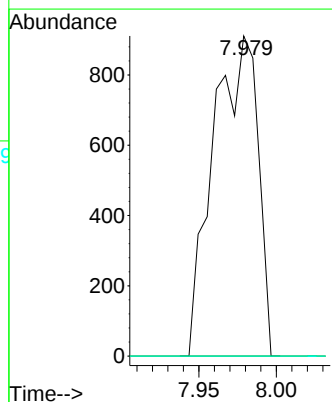
Tgt Ion: 117 Resp: 1829

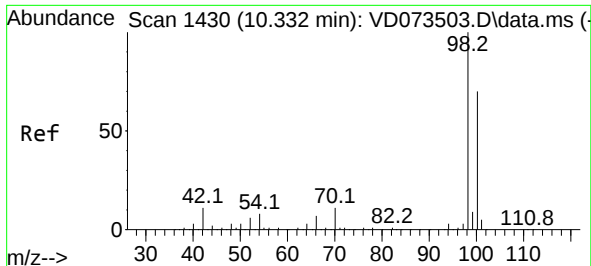
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

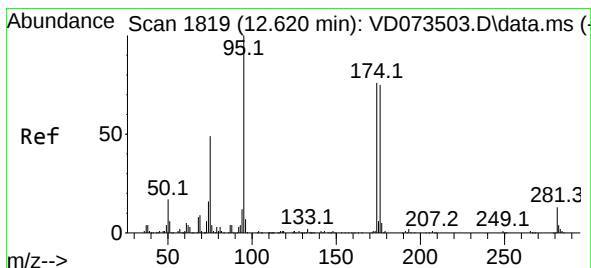
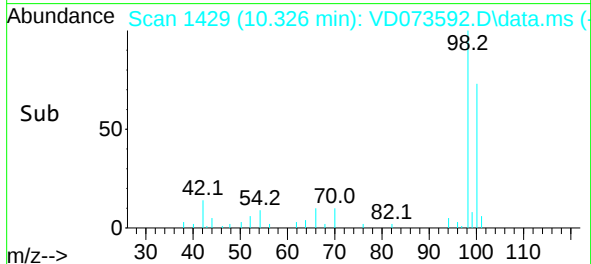
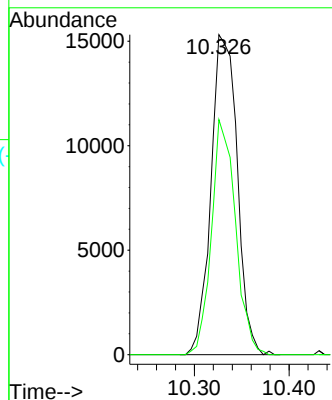
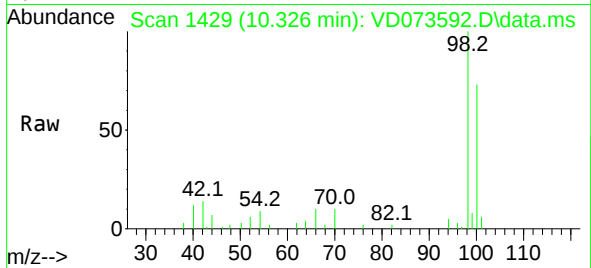




#50
Toluene-d8
Concen: 45.974 ug/l
RT: 10.326 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

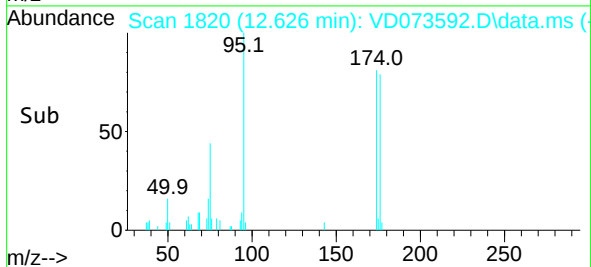
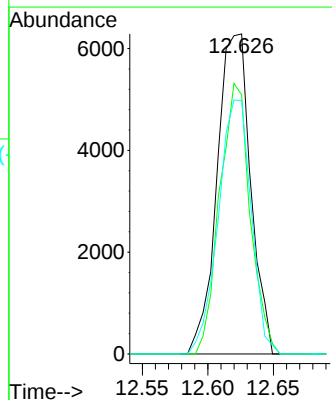
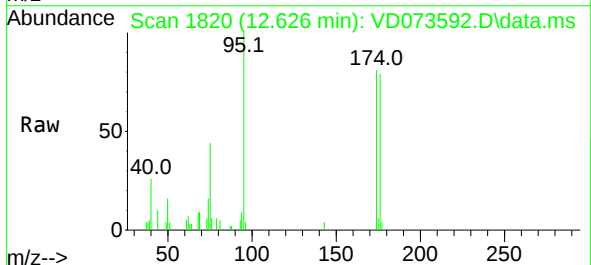
Instrument :
MSVOA_D
ClientSampleId :

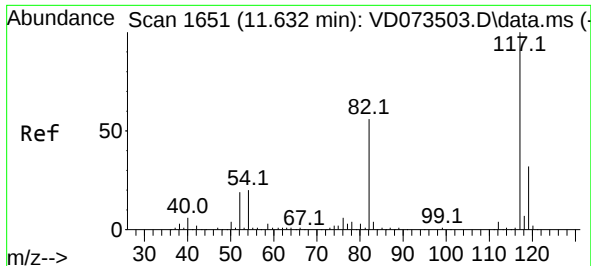
Tgt Ion: 98 Resp: 29483
Ion Ratio Lower Upper
98 100
100 67.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.169 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

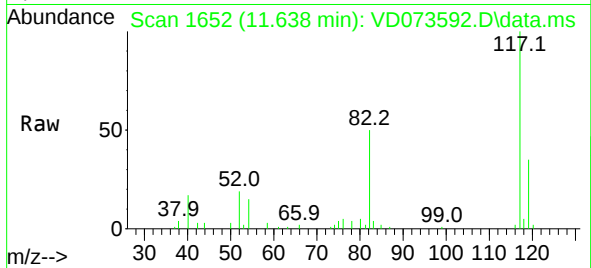
Tgt Ion: 95 Resp: 11214
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 77.5 0.0 145.4



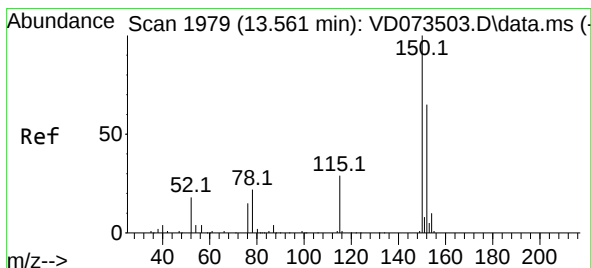
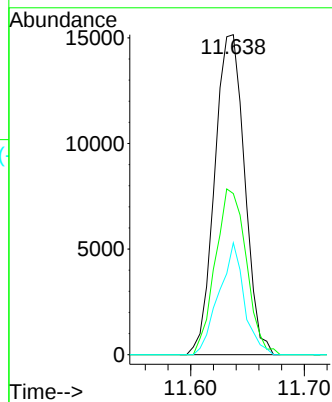
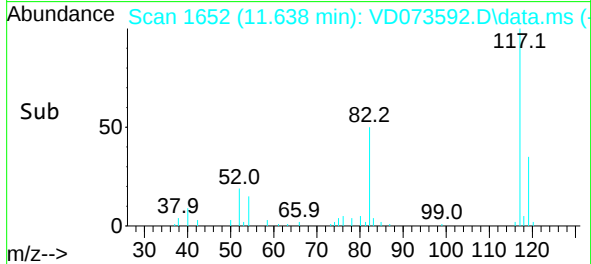


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

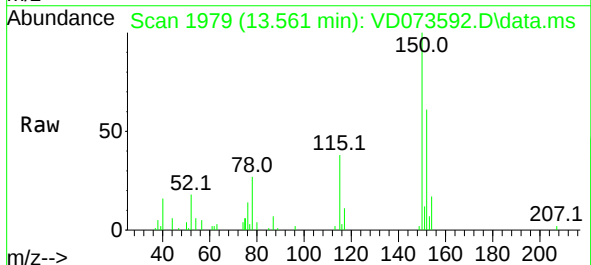
Instrument :
MSVOA_D
ClientSampleId :



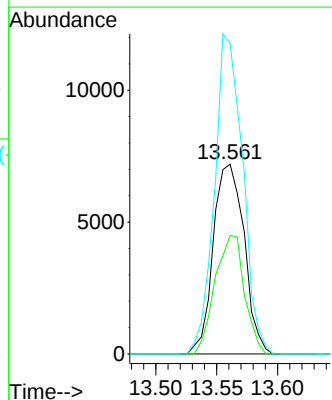
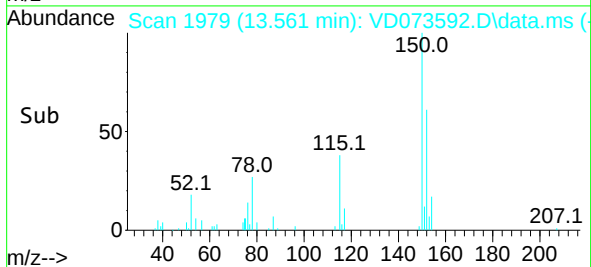
Tgt Ion:117 Resp: 27681
Ion Ratio Lower Upper
117 100
82 50.3 45.3 67.9
119 35.0 26.6 40.0

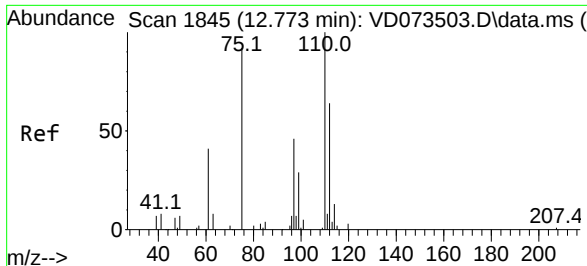


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34



Tgt Ion:152 Resp: 12685
Ion Ratio Lower Upper
152 100
115 59.5 31.3 93.8
150 153.9 0.0 348.6

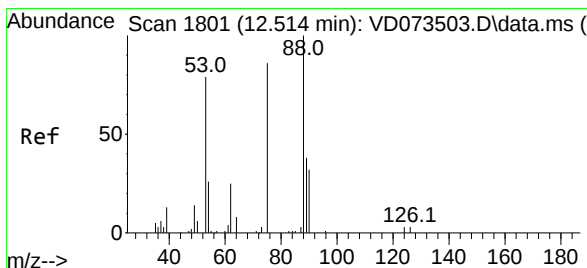
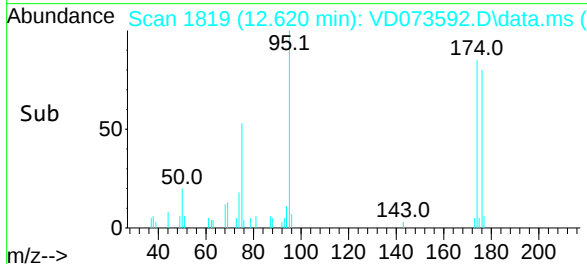
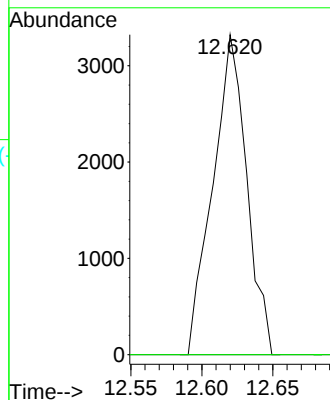
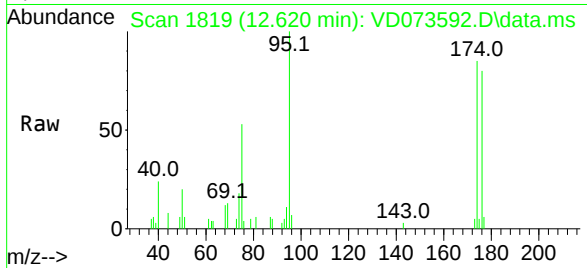




#76
1,2,3-Trichloropropane
Concen: 44.713 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

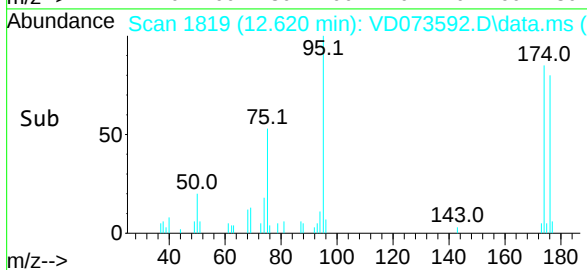
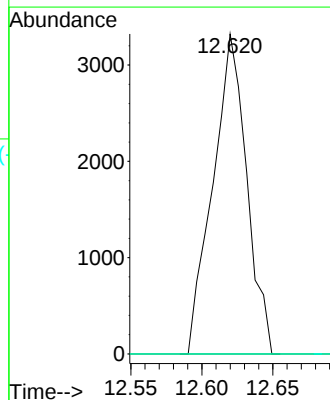
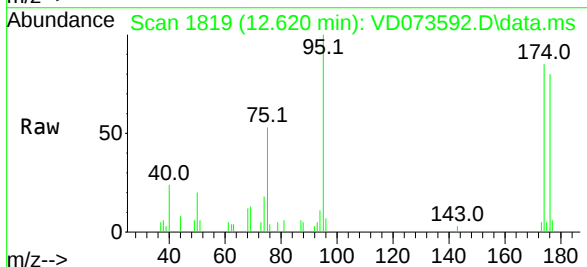
Instrument :
MSVOA_D
ClientSampleId :

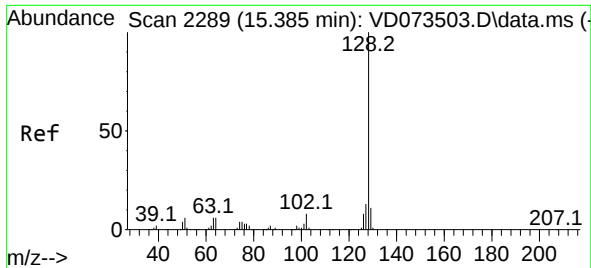
Tgt Ion: 75 Resp: 5510
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 104.949 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073592.D
Acq: 15 Jun 2022 15:34

Tgt Ion: 75 Resp: 5510
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95

Naphthalene

Concen: 4.408 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

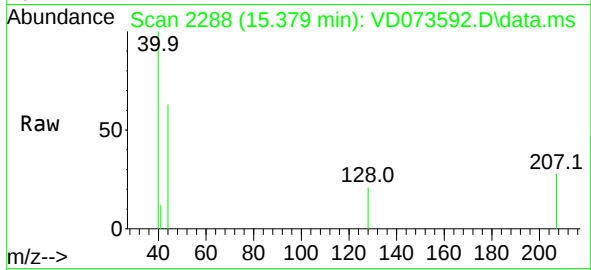
Lab File: VD073592.D

Acq: 15 Jun 2022 15:34

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	128	Resp:	102
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

