

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073000.D
 Acq On : 13 May 2022 20:17
 Operator : VA/SY
 Sample : N2816-10
 Misc : 6.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-2430-01

Quant Time: May 16 05:16:28 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)

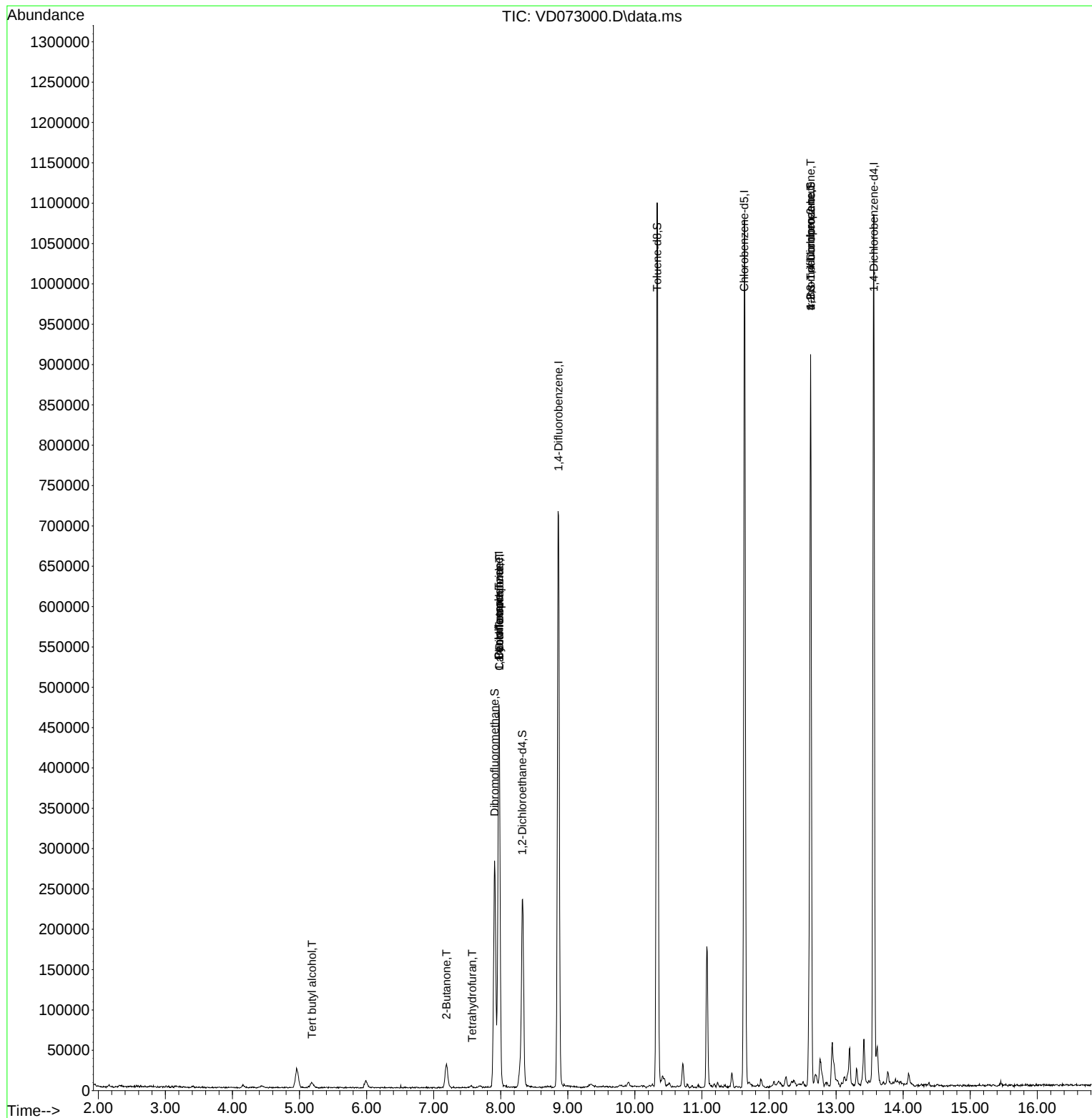
Internal Standards						
1) Pentafluorobenzene	7.973	168	337340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	612872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	613213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	273616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	185095	42.269	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.540%		
35) Dibromofluoromethane	7.909	113	200295	46.534	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.060%		
50) Toluene-d8	10.332	98	754648	48.877	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.760%		
62) 4-Bromofluorobenzene	12.620	95	283898	49.313	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.620%		
Target Compounds						
5) Bromomethane	2.768	94	345	Below Cal		81
11) Tert butyl alcohol	5.185	59	6467	17.069 ug/l #		74
16) Acetone	4.156	43	4898	Below Cal #		60
18) Methyl Acetate	4.609	43	55	Below Cal #		55
20) Methylene Chloride	4.956	84	18802	Below Cal		88
25) 2-Butanone	7.191	43	1628	1.276 ug/l #		52
29) Tetrahydrofuran	7.573	42	934	1.148 ug/l #		74
31) Cyclohexane	7.973	56	8407	1.098 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	29137	4.163 ug/l #		51
38) Carbon Tetrachloride	7.979	117	36321	4.999 ug/l #		17
76) 1,2,3-Trichloropropane	12.620	75	147068	48.203 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	147068	110.848 ug/l #		7

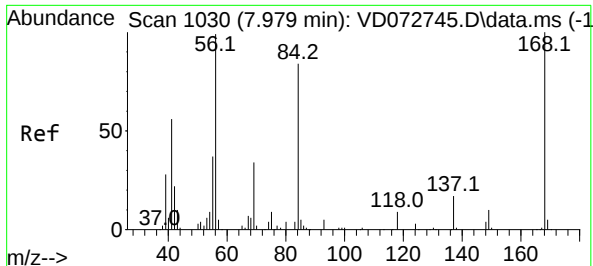
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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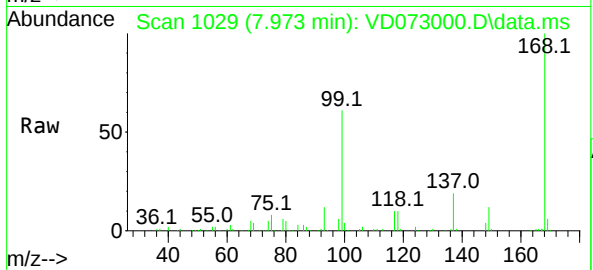
Quant Time: May 16 05:16:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
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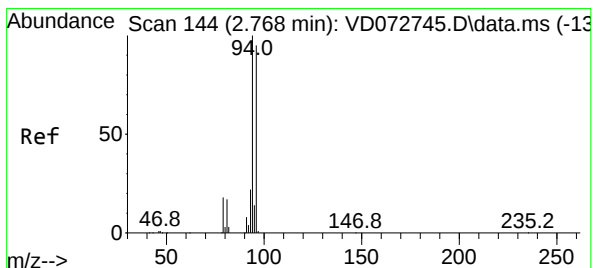
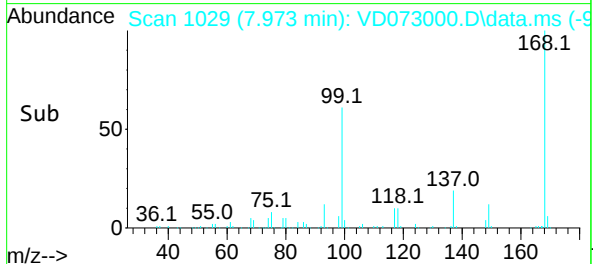
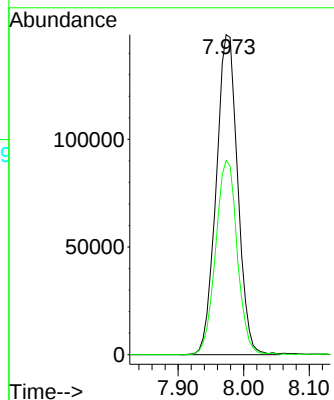


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073000.D
Acq: 13 May 2022 20:17

Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-2430-01

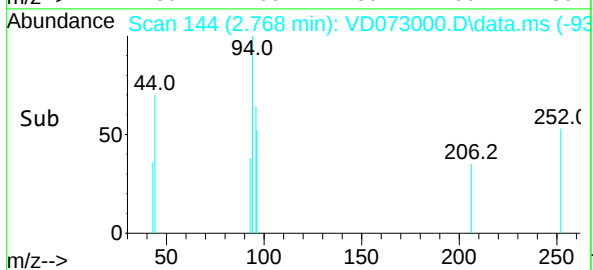
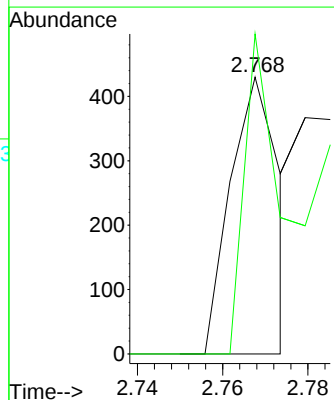
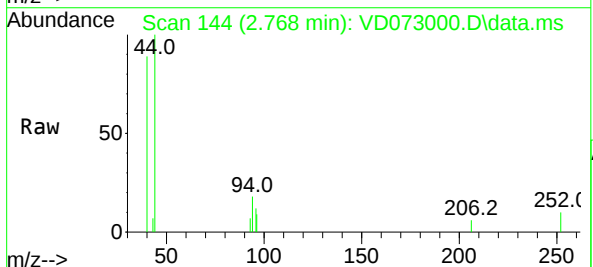


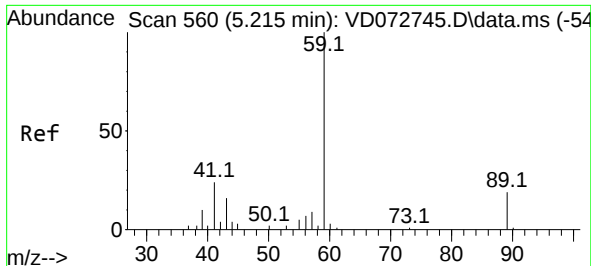
Tgt Ion:168 Resp: 337340
Ion Ratio Lower Upper
168 100
99 60.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073000.D
Acq: 13 May 2022 20:17

Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 115.6 77.6 116.4





#11

Tert butyl alcohol

Concen: 17.069 ug/l

RT: 5.185 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD073000.D

Acq: 13 May 2022 20:17

Instrument :

MSVOA_D

ClientSampleId :

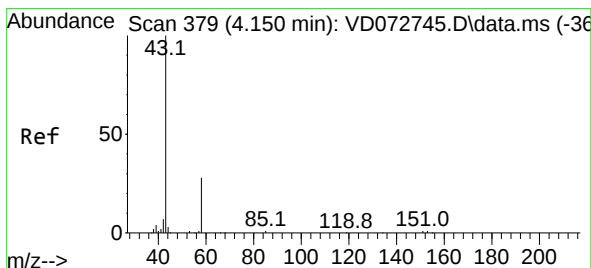
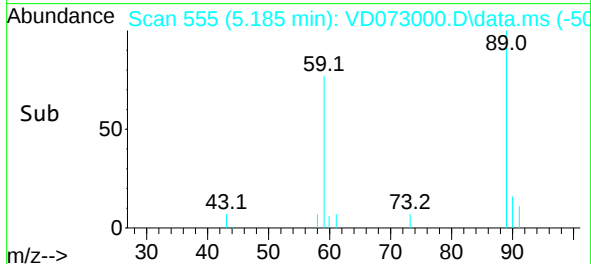
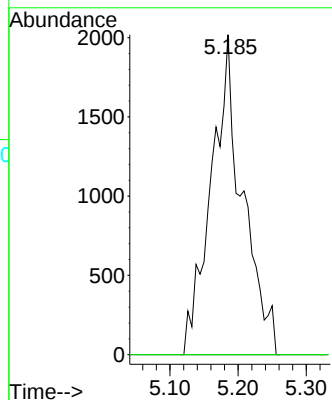
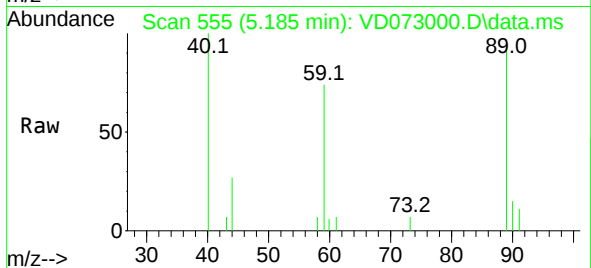
P007-SS002-2430-01

Tgt Ion: 59 Resp: 6467

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: Below Cal

RT: 4.156 min Scan# 380

Delta R.T. 0.006 min

Lab File: VD073000.D

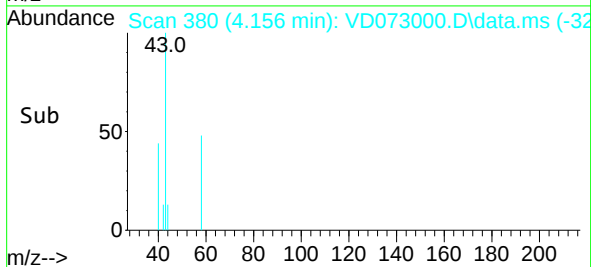
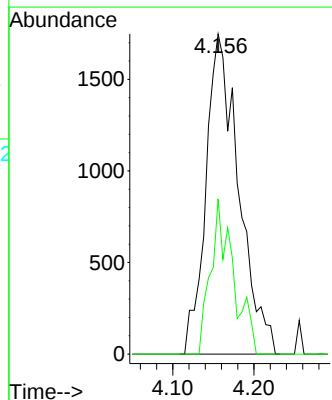
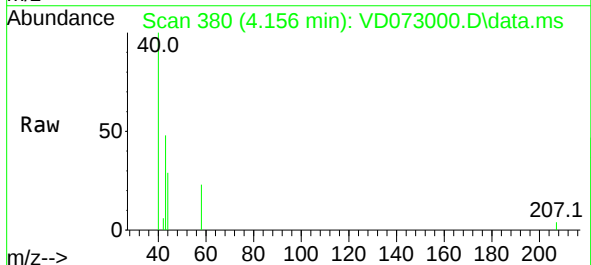
Acq: 13 May 2022 20:17

Tgt Ion: 43 Resp: 4898

Ion Ratio Lower Upper

43 100

58 48.5 22.1 33.1#



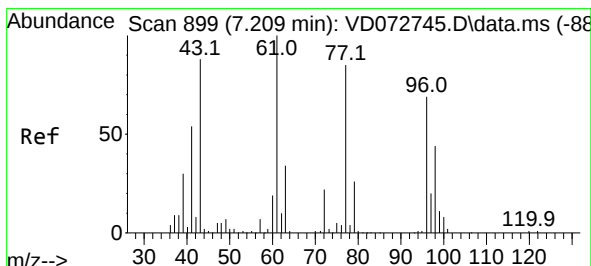
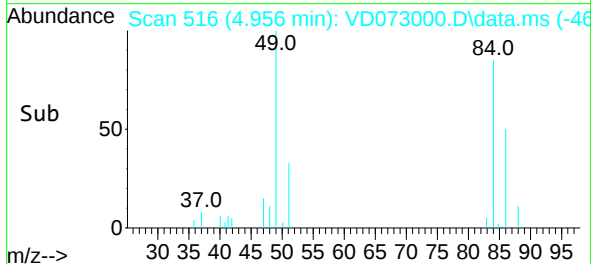
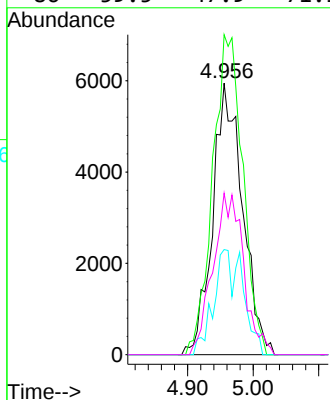
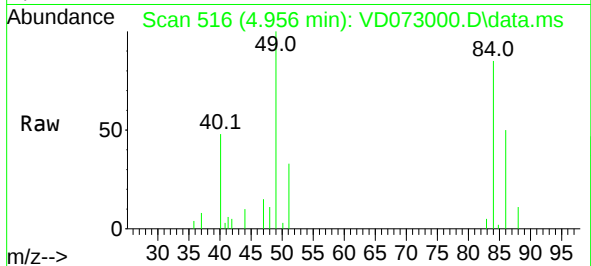


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073000.D
Acq: 13 May 2022 20:17

Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-2430-01

Tgt Ion: 84 Resp: 18802

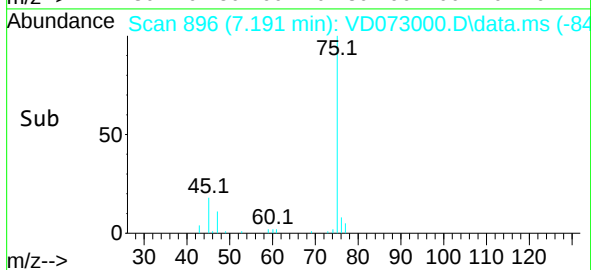
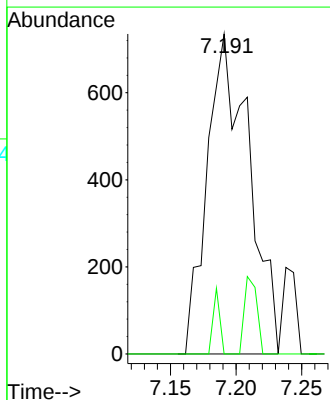
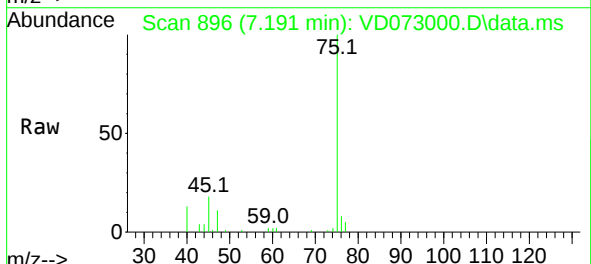
Ion	Ratio	Lower	Upper
84	100		
49	117.9	112.8	169.2
51	38.7	32.6	48.8
86	59.5	47.9	71.9

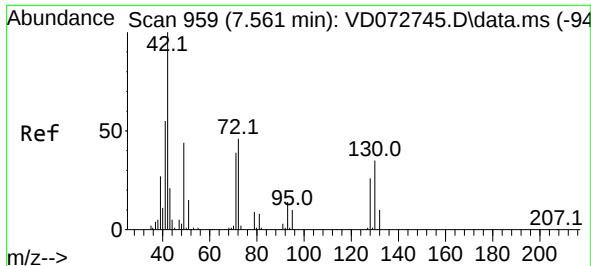


#25
2-Butanone
Concen: 1.276 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD073000.D
Acq: 13 May 2022 20:17

Tgt Ion: 43 Resp: 1628

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8





#29

Tetrahydrofuran

Concen: 1.148 ug/l

RT: 7.573 min Scan# 90

Delta R.T. 0.012 min

Lab File: VD073000.D

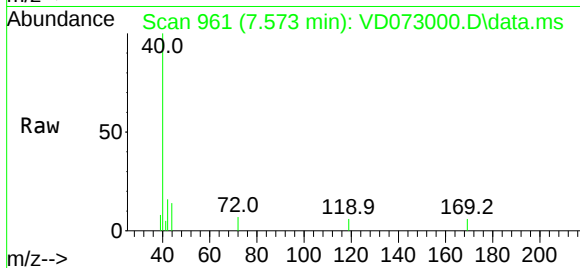
Acq: 13 May 2022 20:17

Instrument :

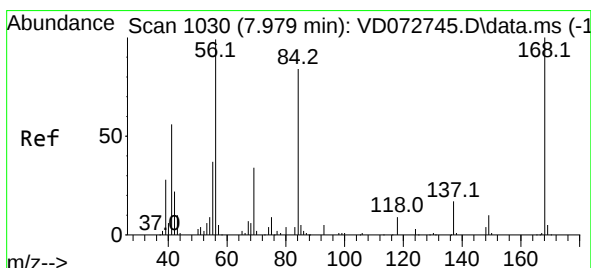
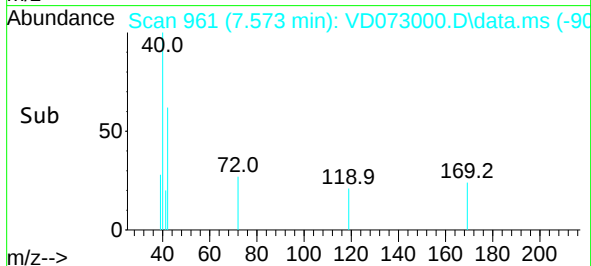
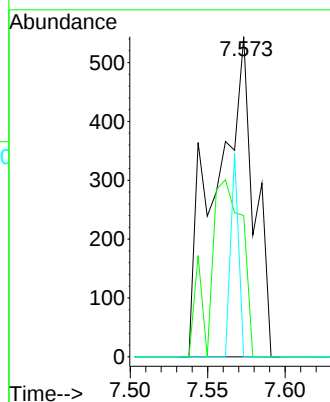
MSVOA_D

ClientSampleId :

P007-SS002-2430-01



Tgt Ion:	42	Resp:	934
Ion Ratio	Lower	Upper	
42	100		
72	46.9	30.7	46.1#
71	13.1	28.6	43.0#



#31

Cyclohexane

Concen: 1.098 ug/l

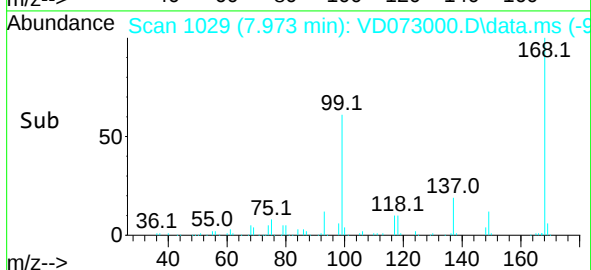
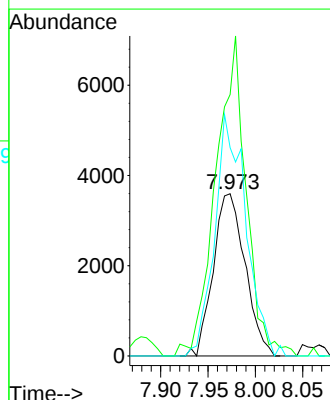
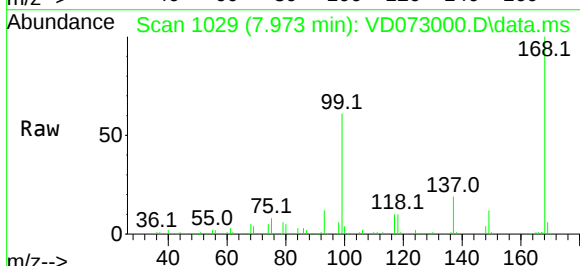
RT: 7.973 min Scan# 1029

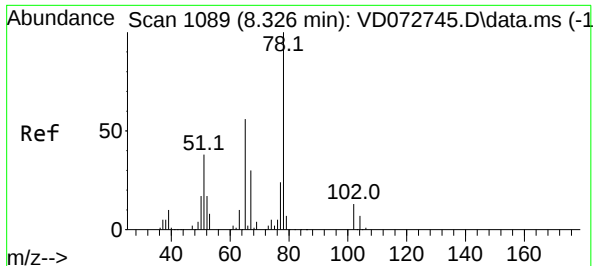
Delta R.T. -0.006 min

Lab File: VD073000.D

Acq: 13 May 2022 20:17

Tgt Ion:	56	Resp:	8407
Ion Ratio	Lower	Upper	
56	100		
69	156.0	25.4	38.2#
84	128.3	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 42.269 ug/l

RT: 8.320 min Scan# 110

Delta R.T. -0.006 min

Lab File: VD073000.D

Acq: 13 May 2022 20:17

Instrument :

MSVOA_D

ClientSampleId :

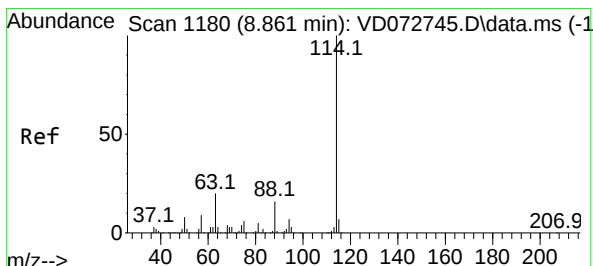
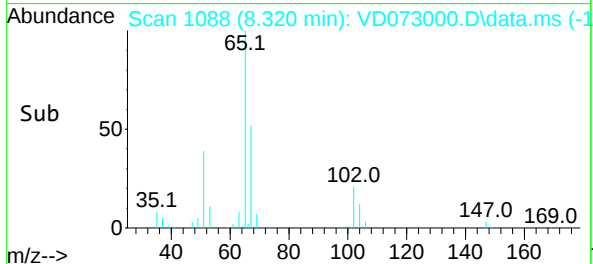
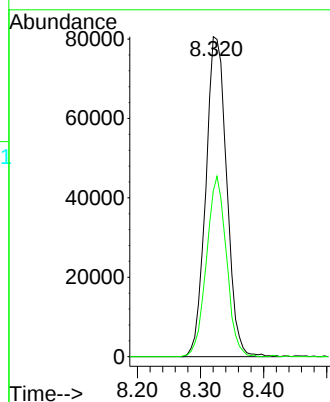
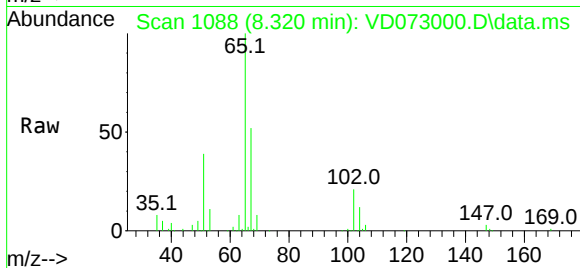
P007-SS002-2430-01

Tgt Ion: 65 Resp: 185095

Ion Ratio Lower Upper

65 100

67 53.8 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: VD073000.D

Acq: 13 May 2022 20:17

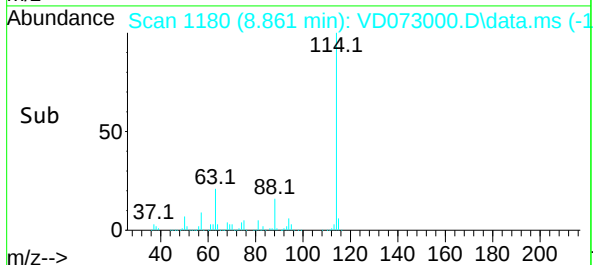
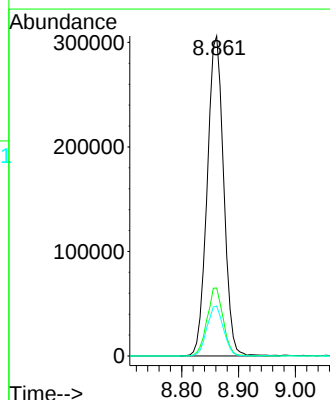
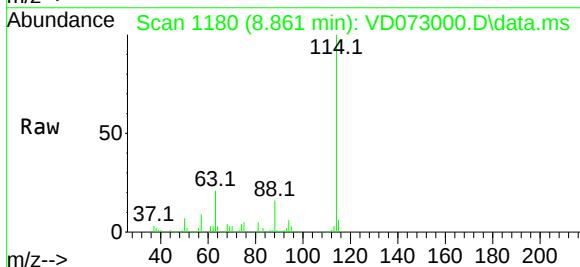
Tgt Ion: 114 Resp: 612872

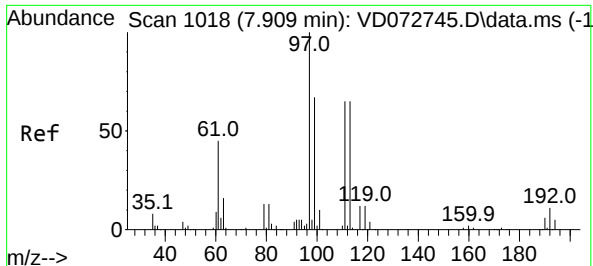
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.534 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073000.D

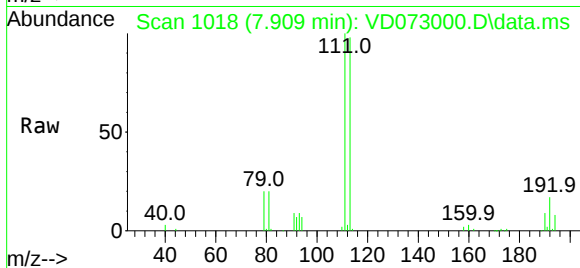
Acq: 13 May 2022 20:17

Instrument :

MSVOA_D

ClientSampleId :

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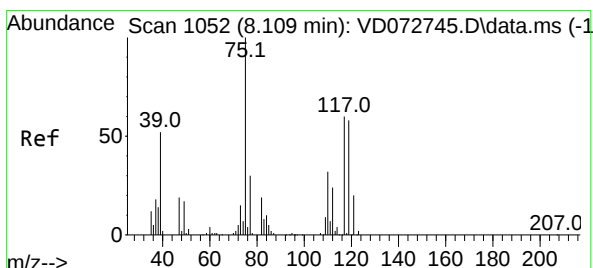
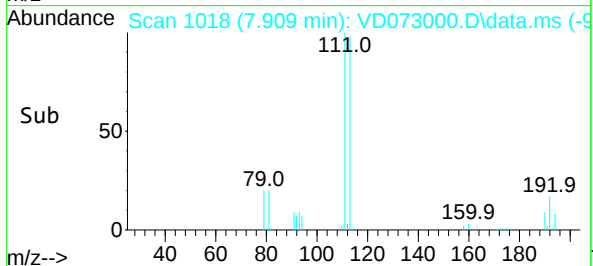
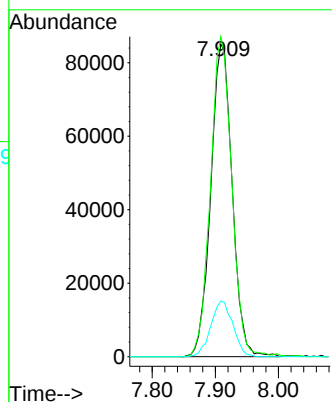
Tgt Ion:113 Resp: 200295

Ion Ratio Lower Upper

113 100

111 101.9 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.163 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD073000.D

Acq: 13 May 2022 20:17

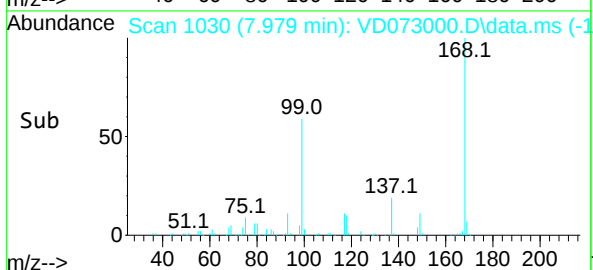
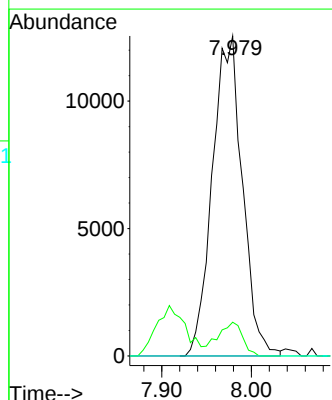
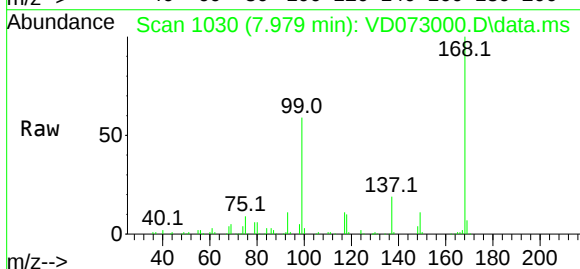
Tgt Ion: 75 Resp: 29137

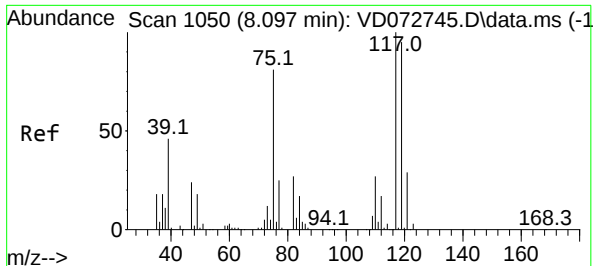
Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.1#

77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 4.999 ug/l

RT: 7.979 min Scan# 1050

Delta R.T. -0.118 min

Lab File: VD073000.D

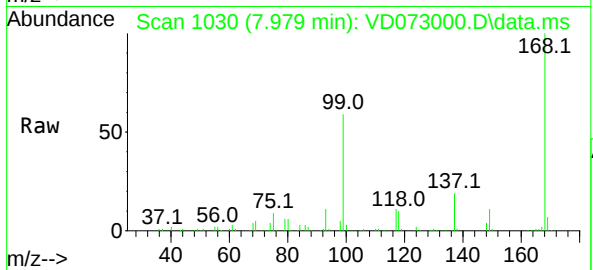
Acq: 13 May 2022 20:17

Instrument :

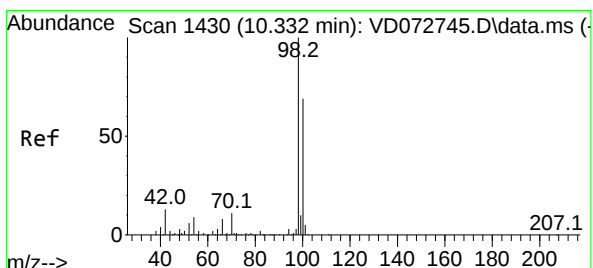
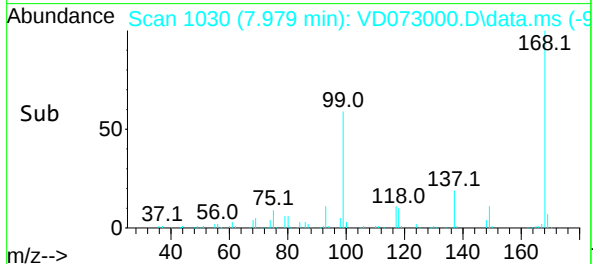
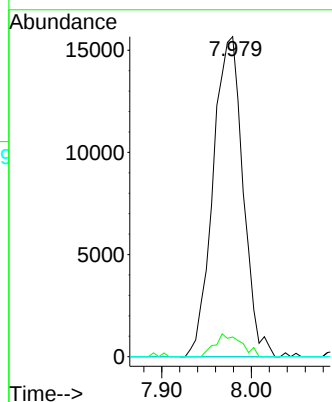
MSVOA_D

ClientSampleId :

P007-SS002-2430-01



Tgt Ion:	117	Resp:	36321
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	24.5	36.7#



#50

Toluene-d8

Concen: 48.877 ug/l

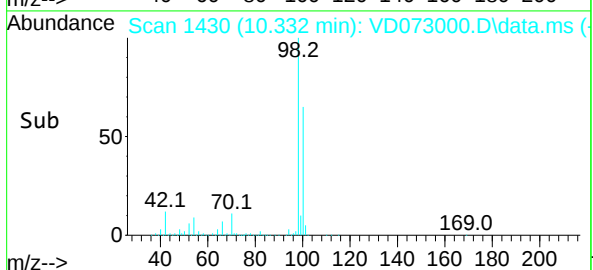
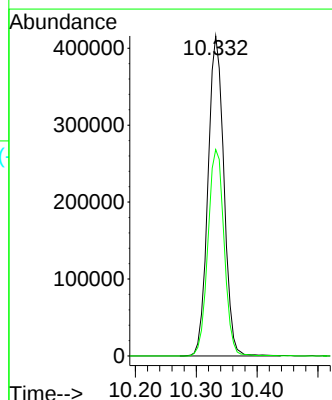
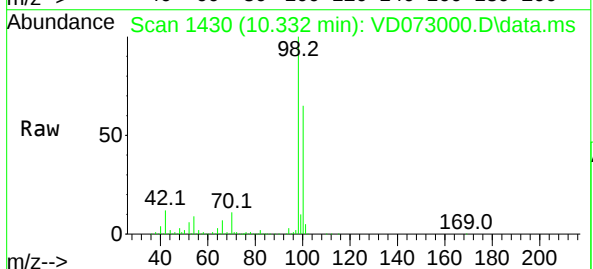
RT: 10.332 min Scan# 1430

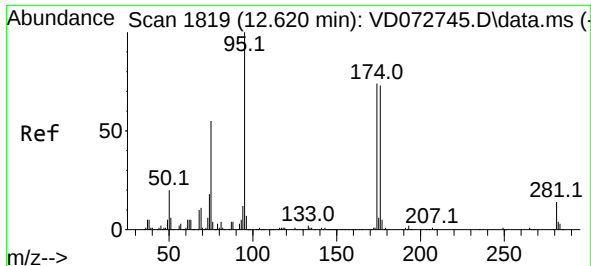
Delta R.T. -0.000 min

Lab File: VD073000.D

Acq: 13 May 2022 20:17

Tgt Ion:	98	Resp:	754648
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.4	78.6

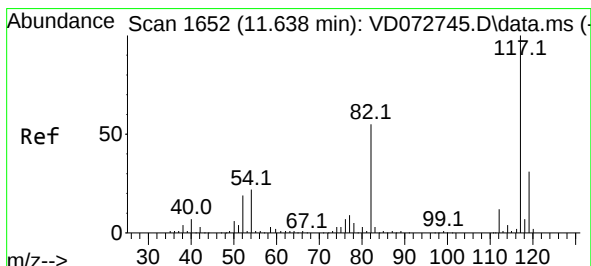
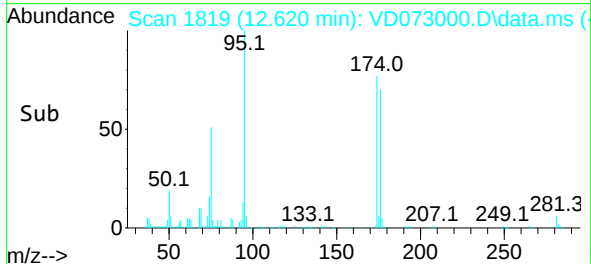
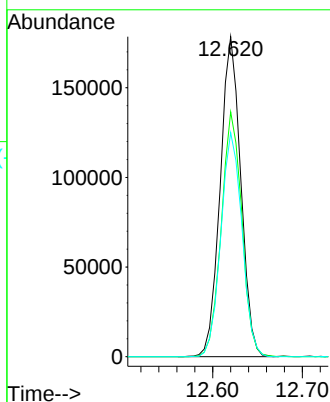
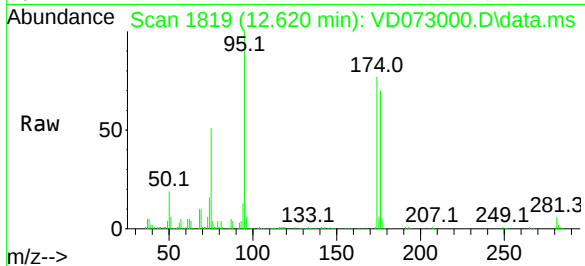




#62
4-Bromofluorobenzene
Concen: 49.313 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073000.D
Acq: 13 May 2022 20:17

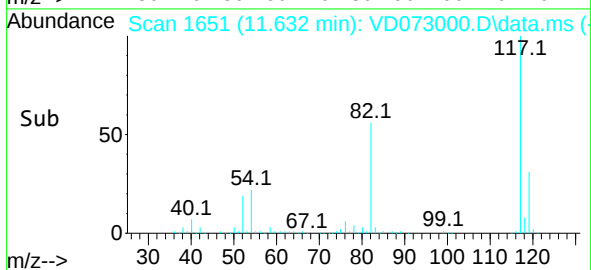
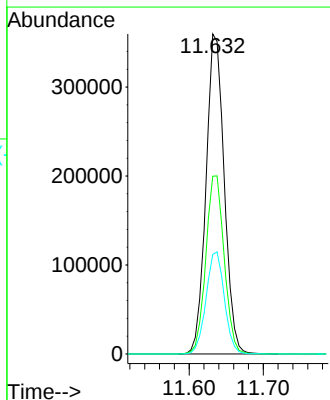
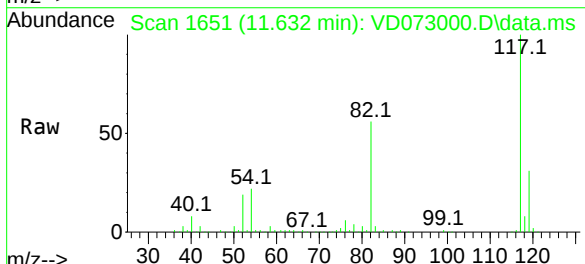
Instrument :
MSVOA_D
ClientSampleId :
P007-SS002-2430-01

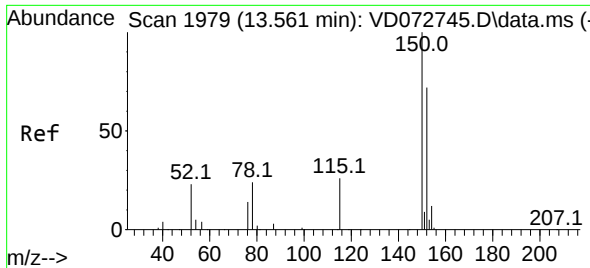
Tgt Ion: 95 Resp: 283898
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 71.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073000.D
Acq: 13 May 2022 20:17

Tgt Ion: 117 Resp: 613213
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 31.1 26.6 40.0

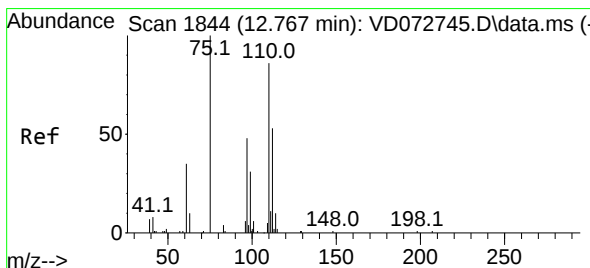
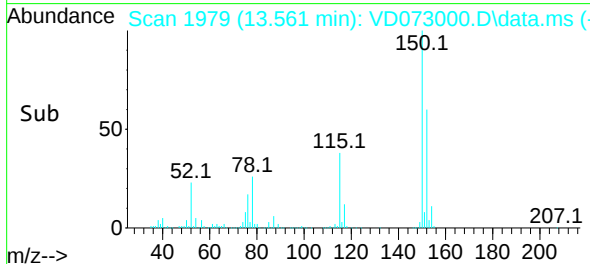
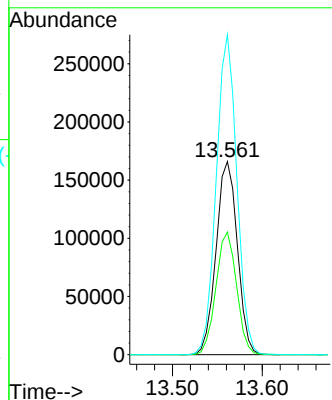
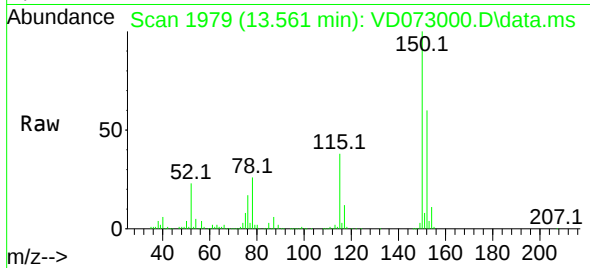




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073000.D
 Acq: 13 May 2022 20:17

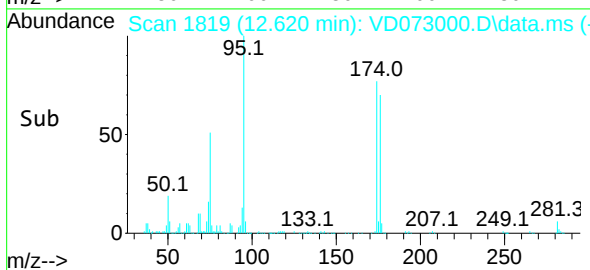
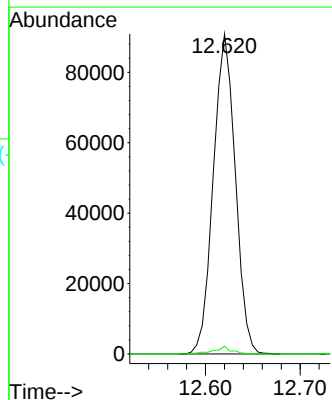
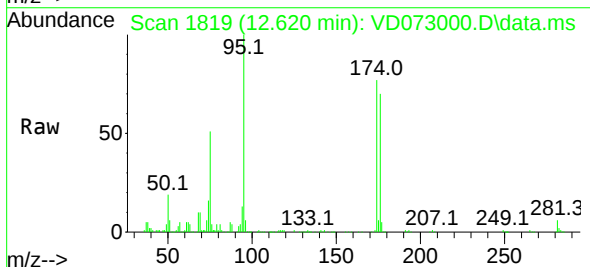
Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-2430-01

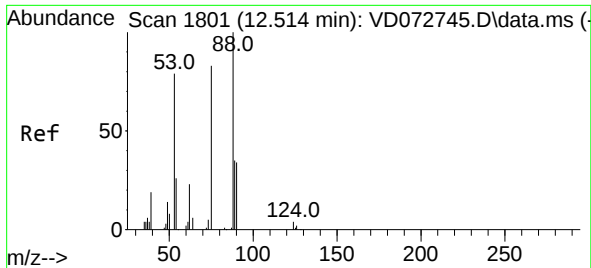
Tgt Ion:152 Resp: 273616
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.3 93.8
 150 160.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 48.203 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073000.D
 Acq: 13 May 2022 20:17

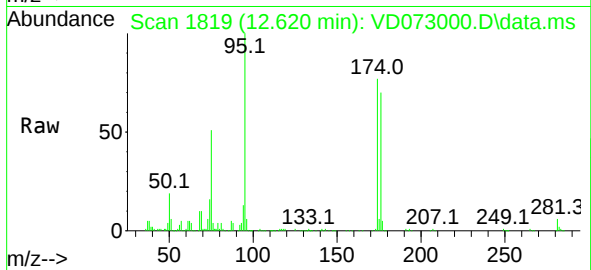
Tgt Ion: 75 Resp: 147068
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.848 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073000.D
 Acq: 13 May 2022 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 P007-SS002-2430-01



Tgt Ion: 75 Resp: 147068
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

