

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072991.D
 Acq On : 13 May 2022 15:58
 Operator : VA/SY
 Sample : N2826-01
 Misc : 5.05 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-05-051222

Quant Time: May 13 16:18:22 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)

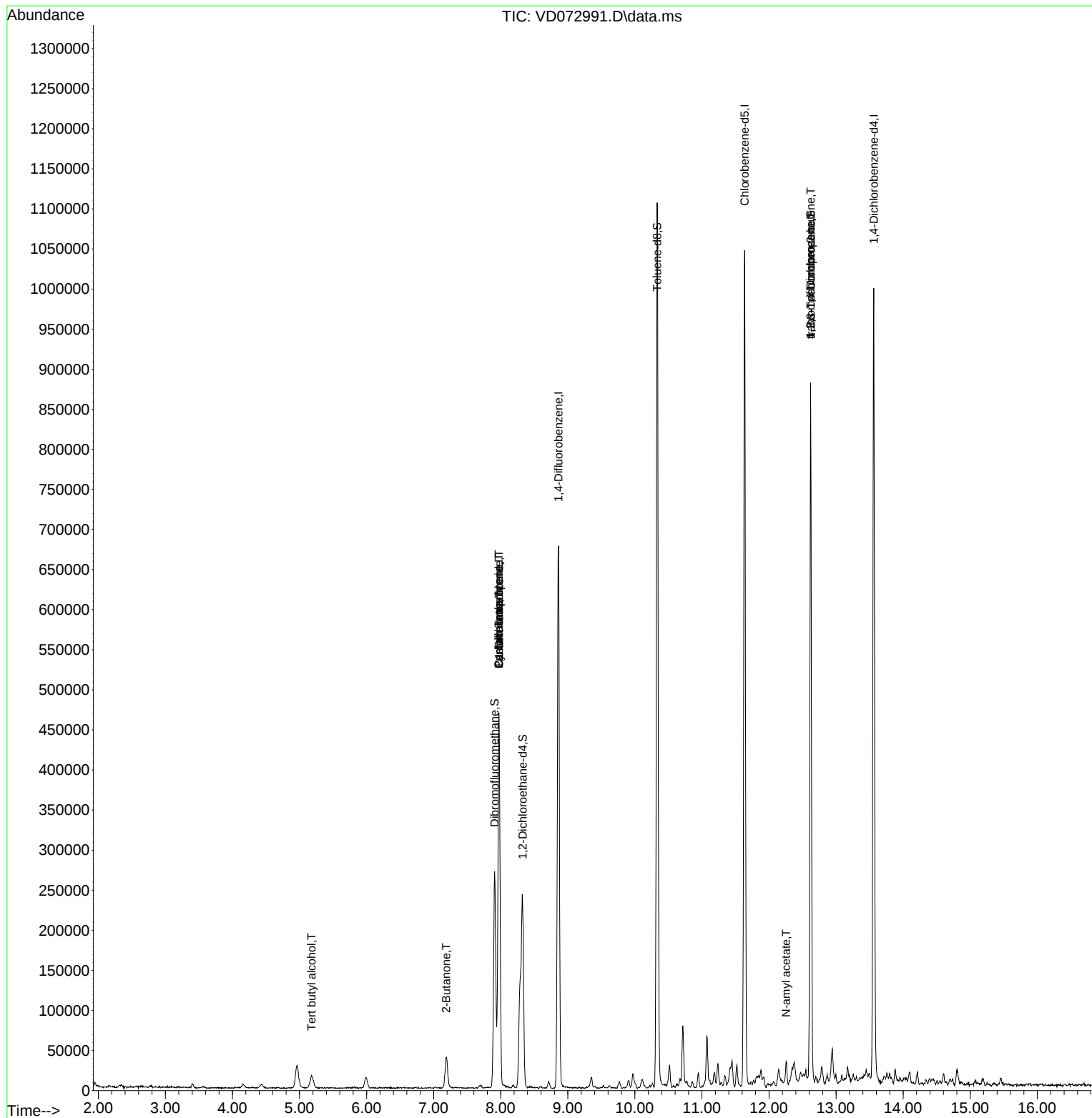
Internal Standards						
1) Pentafluorobenzene	7.973	168	330872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	596747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	600535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	177654	41.363	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.720%
35) Dibromofluoromethane	7.909	113	191885	45.785	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.560%
50) Toluene-d8	10.332	98	734344	48.847	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.700%
62) 4-Bromofluorobenzene	12.620	95	271650	48.460	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.920%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1385	Below Cal	#	77
11) Tert butyl alcohol	5.179	59	14084	37.900	ug/l #	74
16) Acetone	4.156	43	8518	Below Cal	#	78
18) Methyl Acetate	4.915	43	245	Below Cal	#	55
20) Methylene Chloride	4.956	84	22029	Below Cal		91
25) 2-Butanone	7.185	43	1455	1.163	ug/l #	52
31) Cyclohexane	7.973	56	9347	1.245	ug/l #	18
36) 1,1-Dichloropropene	7.973	75	29134	4.275	ug/l #	51
38) Carbon Tetrachloride	7.973	117	34496	4.876	ug/l #	18
74) N-amyl acetate	12.255	43	5444	1.059	ug/l #	67
76) 1,2,3-Trichloropropane	12.620	75	140853	47.621	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	140853	109.508	ug/l #	7

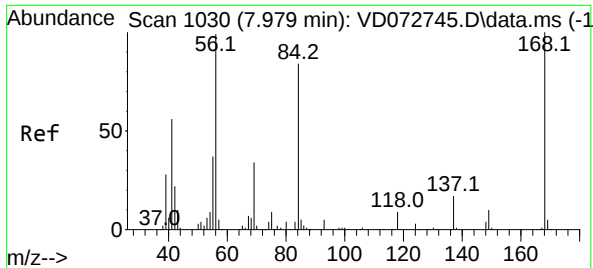
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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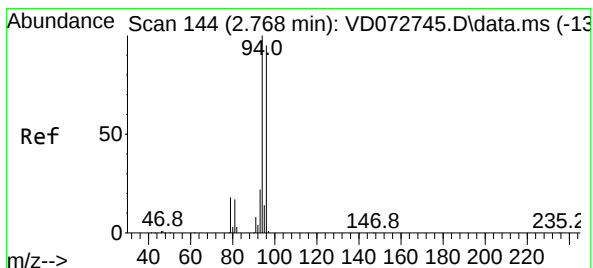
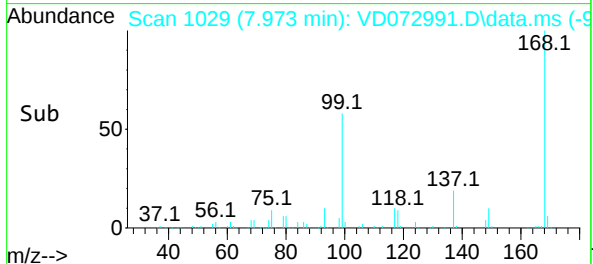
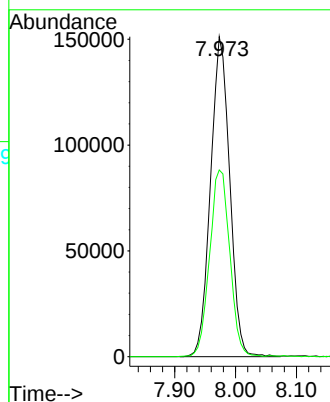
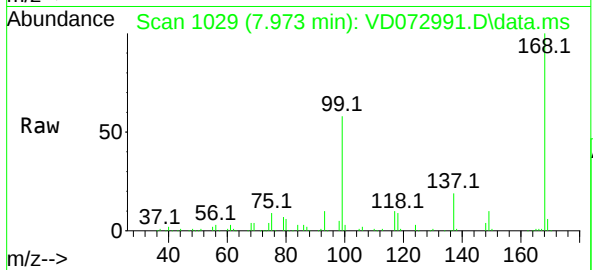




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

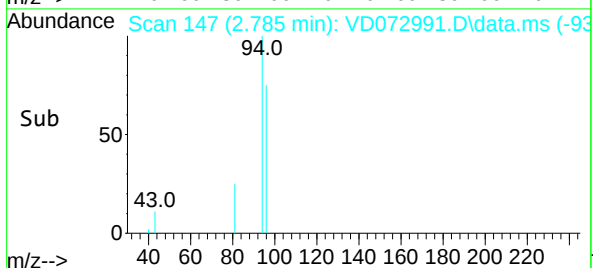
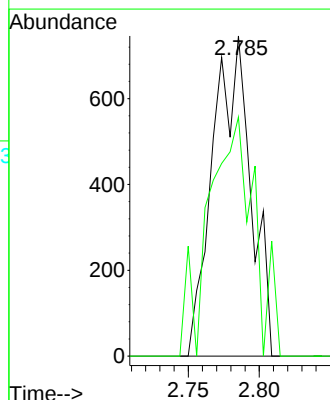
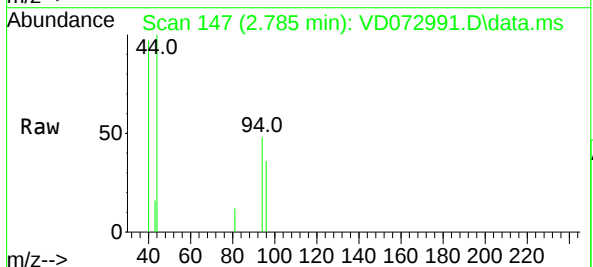
Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

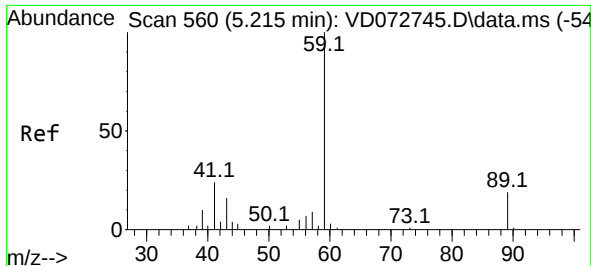
Tgt Ion:168 Resp: 330872
Ion Ratio Lower Upper
168 100
99 58.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

Tgt Ion: 94 Resp: 1385
Ion Ratio Lower Upper
94 100
96 74.7 77.6 116.4#





#11

Tert butyl alcohol

Concen: 37.900 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD072991.D

Acq: 13 May 2022 15:58

Instrument :

MSVOA_D

ClientSampleId :

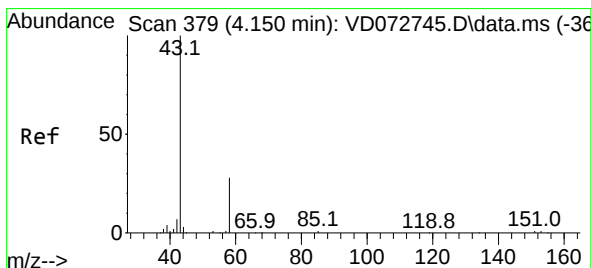
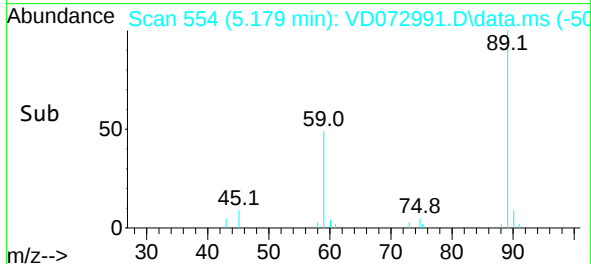
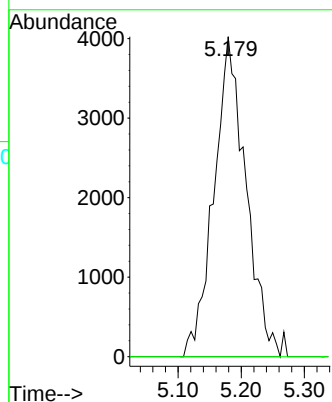
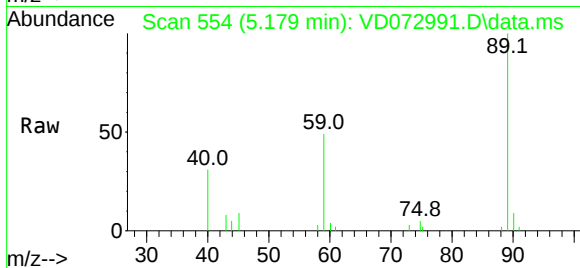
PL-05-051222

Tgt Ion: 59 Resp: 14084

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: VD072991.D

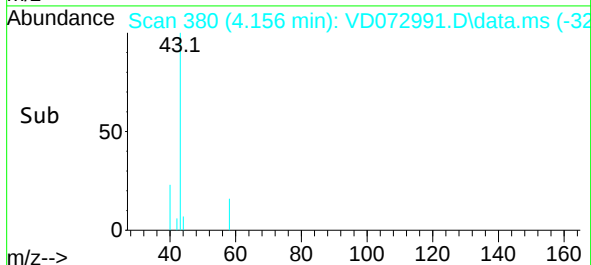
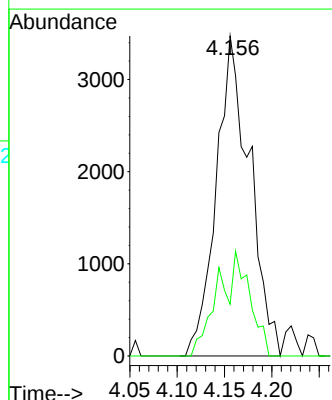
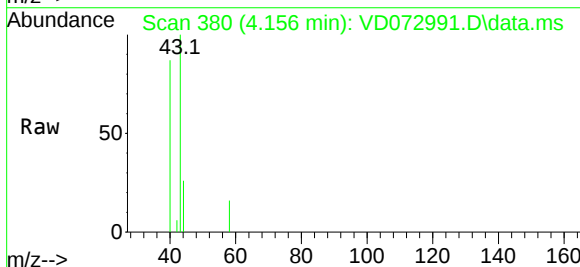
Acq: 13 May 2022 15:58

Tgt Ion: 43 Resp: 8518

Ion Ratio Lower Upper

43 100

58 16.2 22.1 33.1#



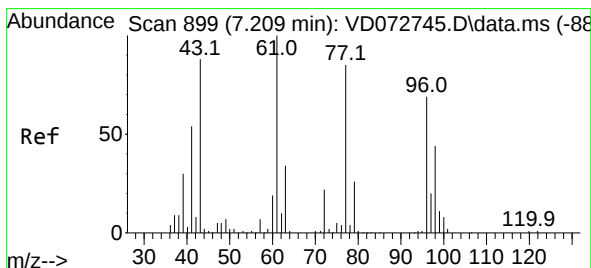
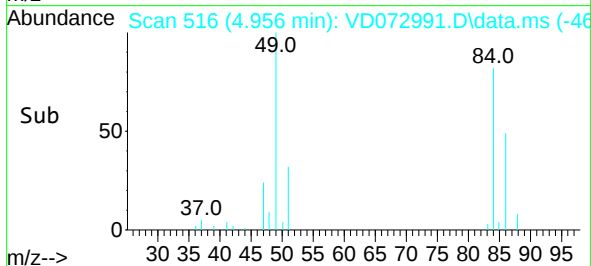
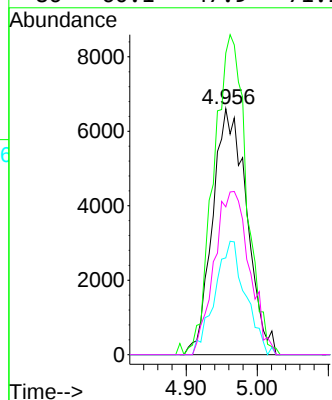
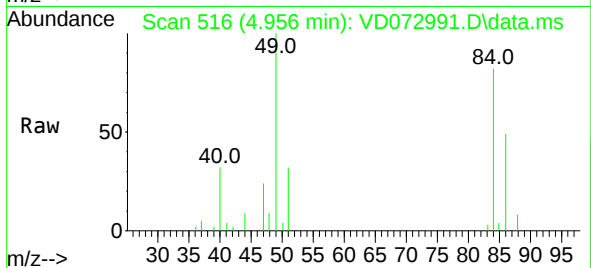


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

Tgt Ion: 84 Resp: 22029

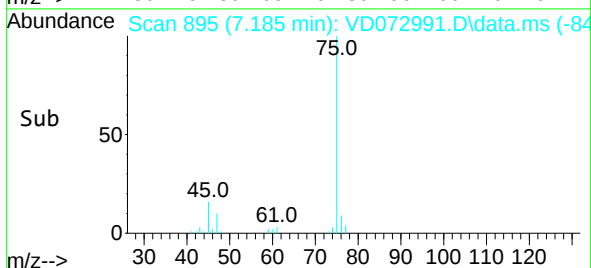
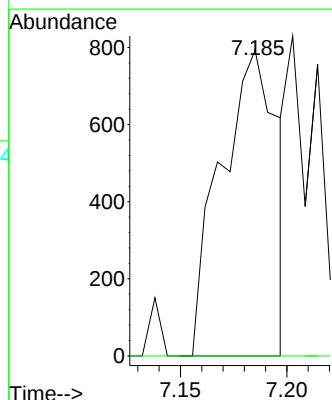
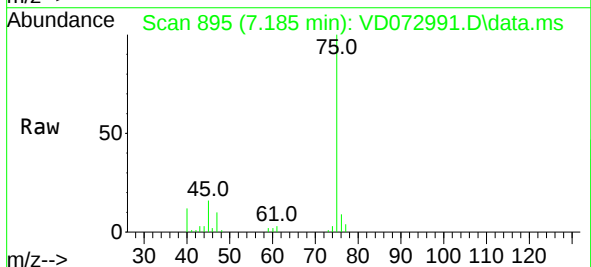
Ion	Ratio	Lower	Upper
84	100		
49	122.6	112.8	169.2
51	39.4	32.6	48.8
86	60.1	47.9	71.9

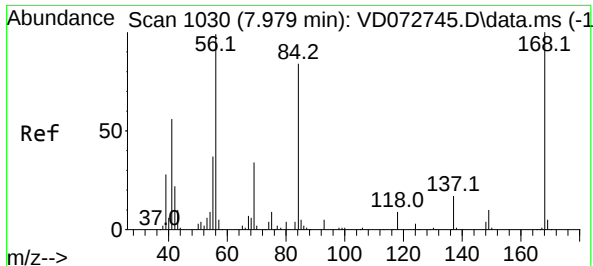


#25
2-Butanone
Concen: 1.163 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

Tgt Ion: 43 Resp: 1455

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8





#31

Cyclohexane

Concen: 1.245 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072991.D

Acq: 13 May 2022 15:58

Instrument :

MSVOA_D

ClientSampleId :

PL-05-051222

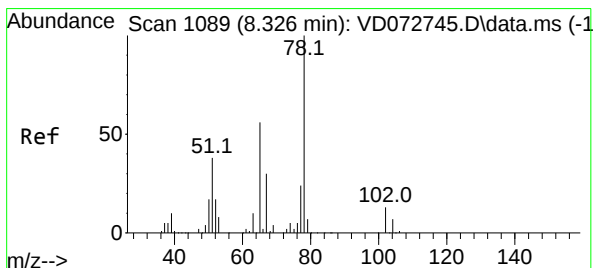
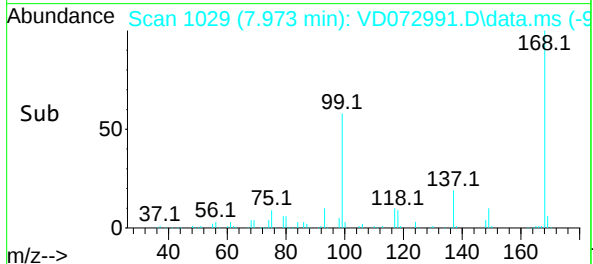
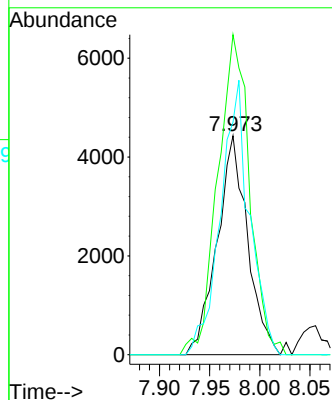
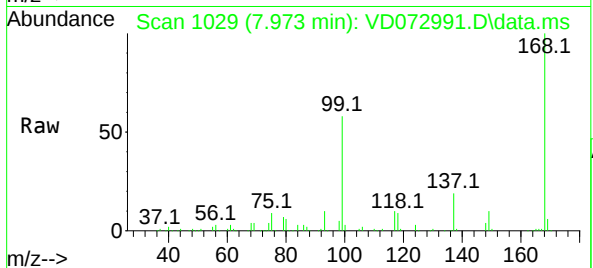
Tgt Ion: 56 Resp: 9347

Ion Ratio Lower Upper

56 100

69 146.2 25.4 38.2#

84 106.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 41.363 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072991.D

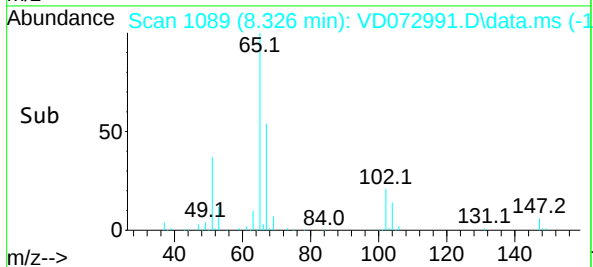
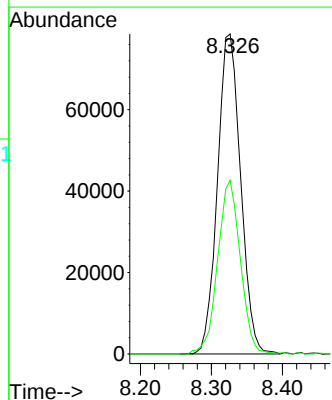
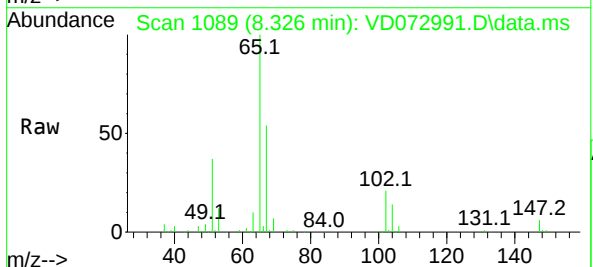
Acq: 13 May 2022 15:58

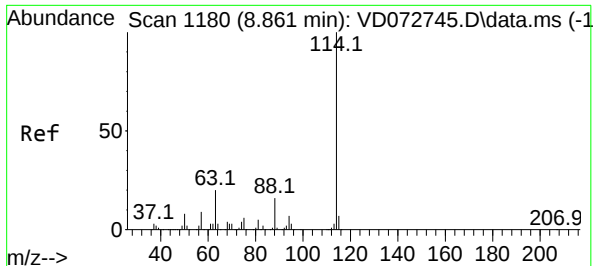
Tgt Ion: 65 Resp: 177654

Ion Ratio Lower Upper

65 100

67 53.1 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: VD072991.D

Acq: 13 May 2022 15:58

Instrument :

MSVOA_D

ClientSampleId :

PL-05-051222

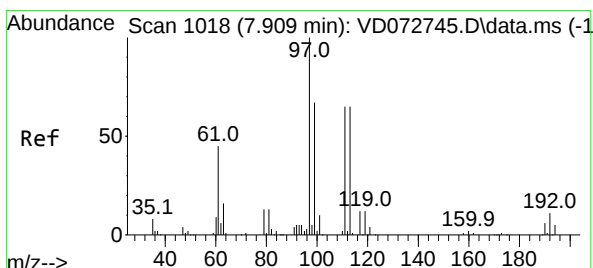
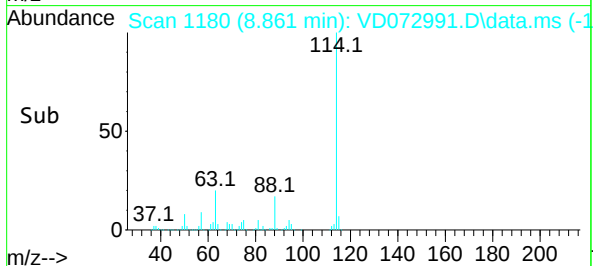
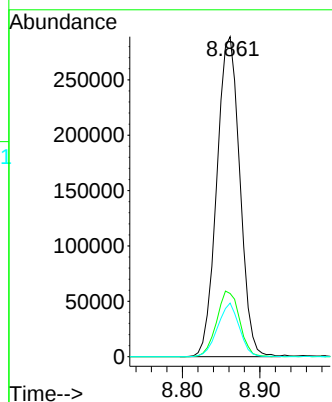
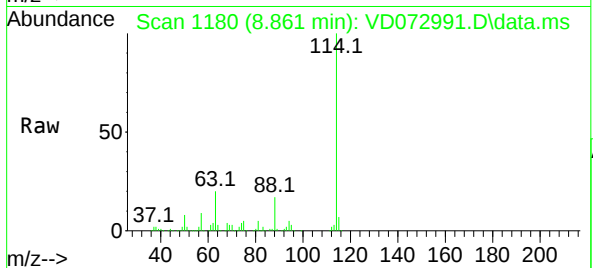
Tgt Ion:114 Resp: 596747

Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 16.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 45.785 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072991.D

Acq: 13 May 2022 15:58

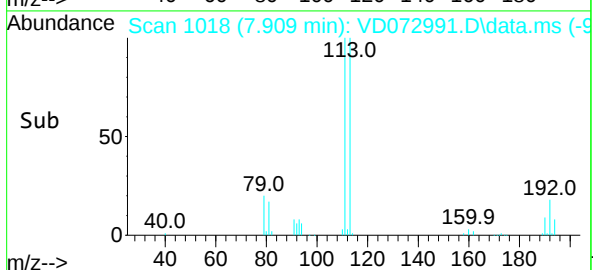
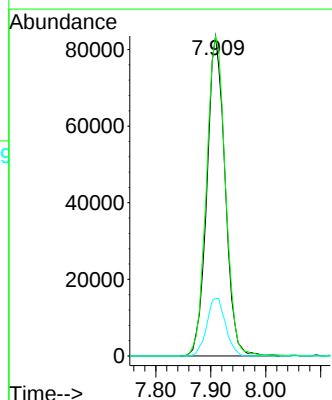
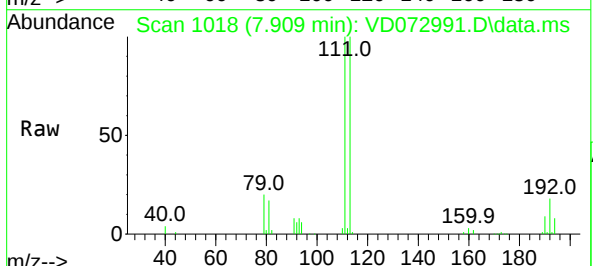
Tgt Ion:113 Resp: 191885

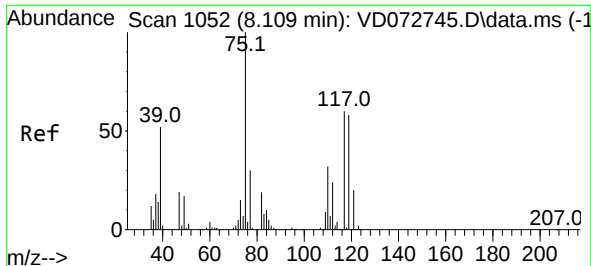
Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.275 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072991.D

Acq: 13 May 2022 15:58

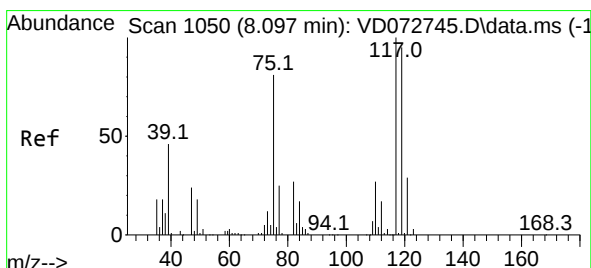
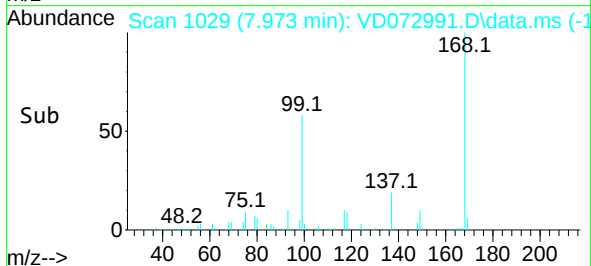
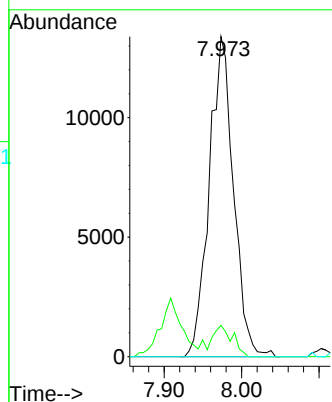
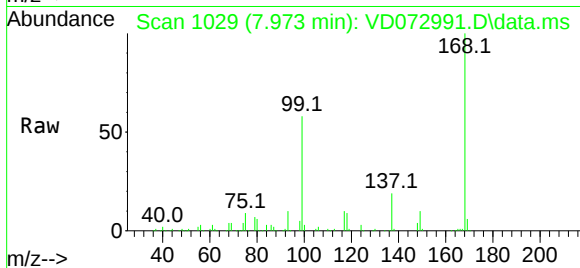
Instrument :

MSVOA_D

ClientSampleId :

PL-05-051222

Tgt Ion:	75	Resp:	29134
Ion Ratio	Lower	Upper	
75	100		
110	9.0	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 4.876 ug/l

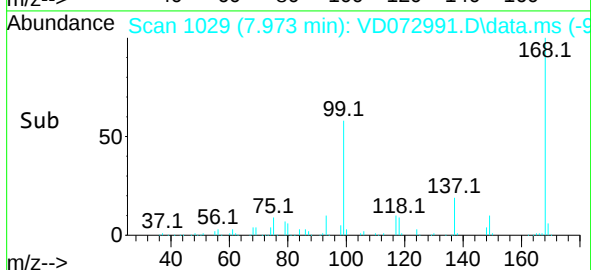
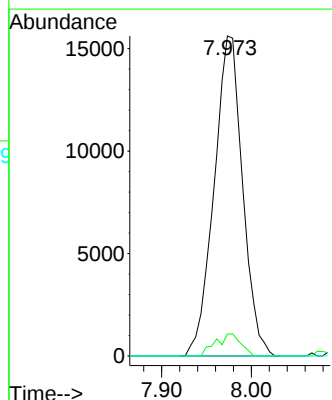
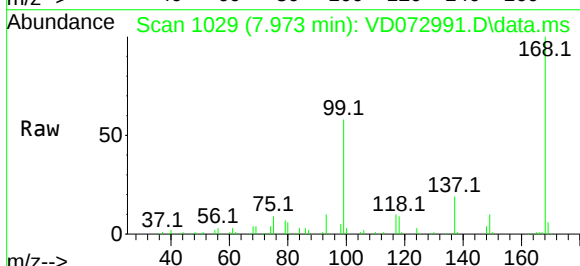
RT: 7.973 min Scan# 1029

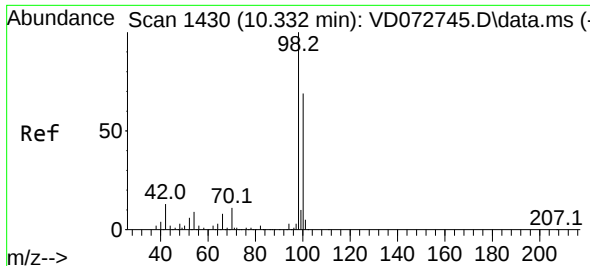
Delta R.T. -0.124 min

Lab File: VD072991.D

Acq: 13 May 2022 15:58

Tgt Ion:	117	Resp:	34496
Ion Ratio	Lower	Upper	
117	100		
119	6.8	75.8	113.6#
121	0.0	24.5	36.7#

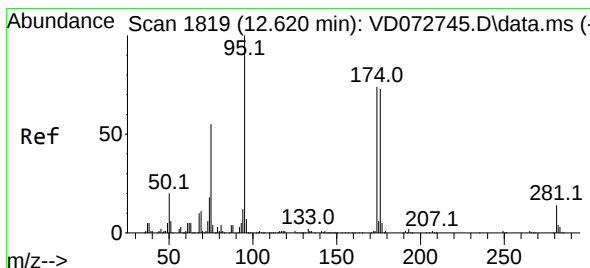
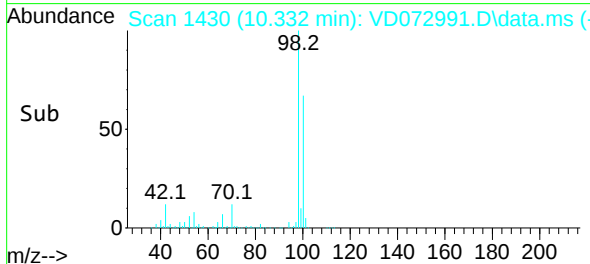
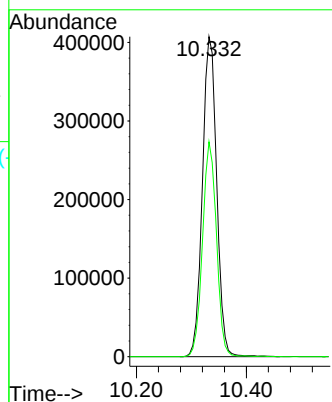
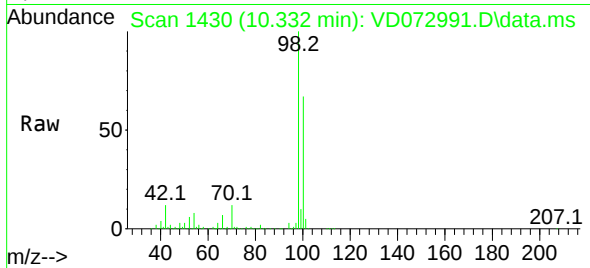




#50
Toluene-d8
Concen: 48.847 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

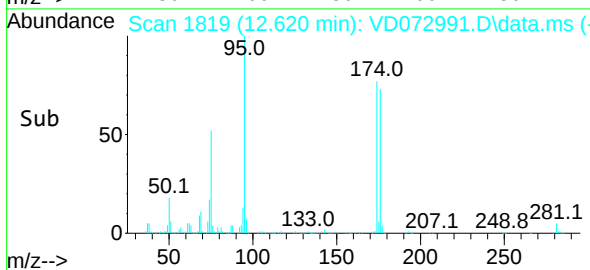
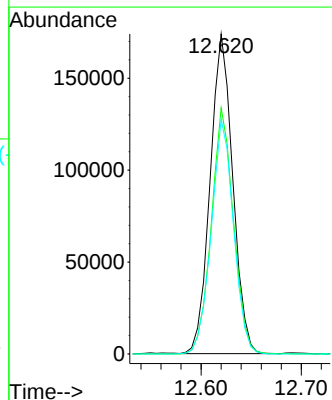
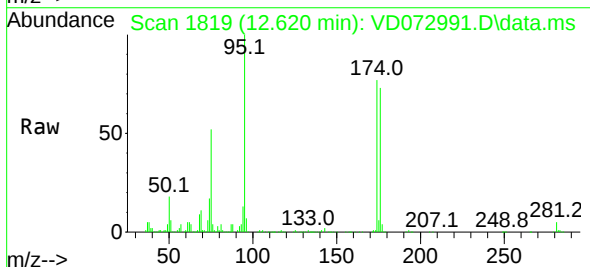
Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

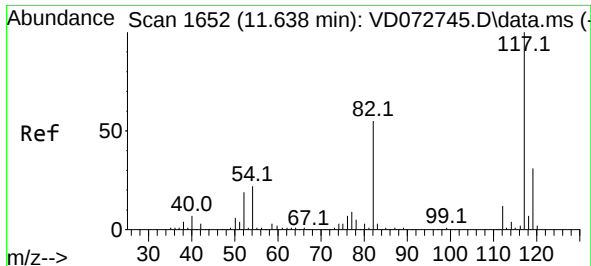
Tgt Ion: 98 Resp: 734344
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.460 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

Tgt Ion: 95 Resp: 271650
Ion Ratio Lower Upper
95 100
174 75.9 0.0 152.8
176 72.3 0.0 145.4

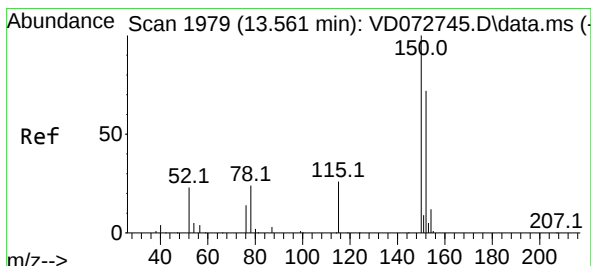
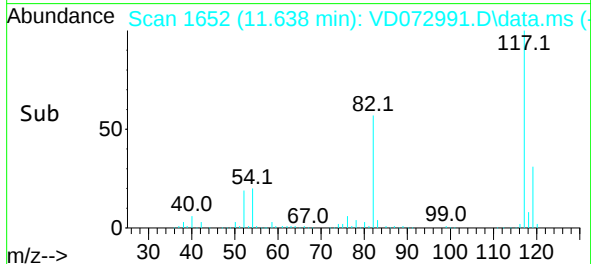
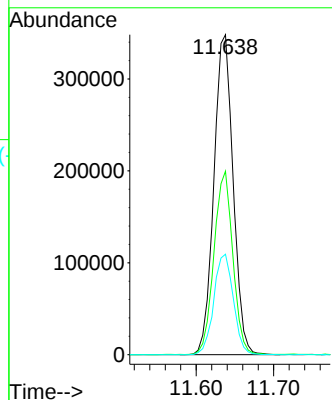
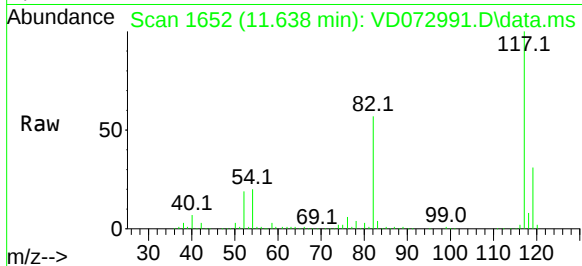




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

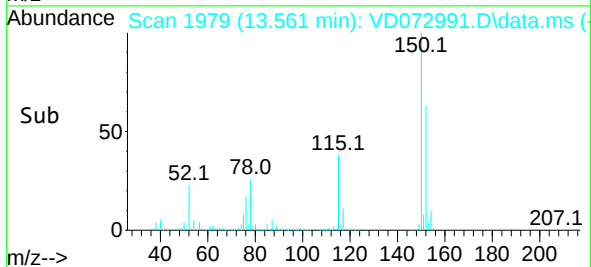
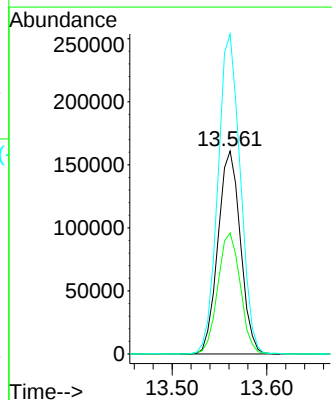
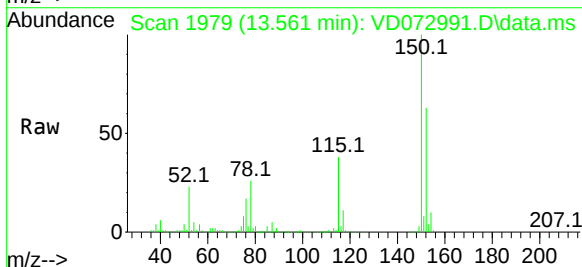
Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

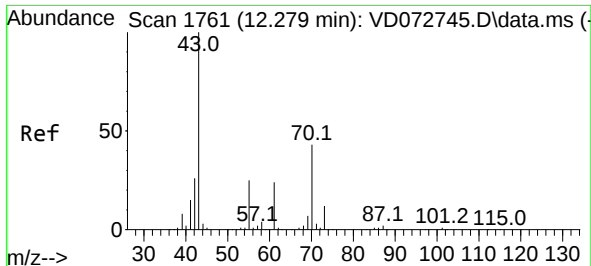
Tgt Ion:117 Resp: 600535
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 31.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

Tgt Ion:152 Resp: 265259
Ion Ratio Lower Upper
152 100
115 59.8 31.3 93.8
150 156.9 0.0 348.6

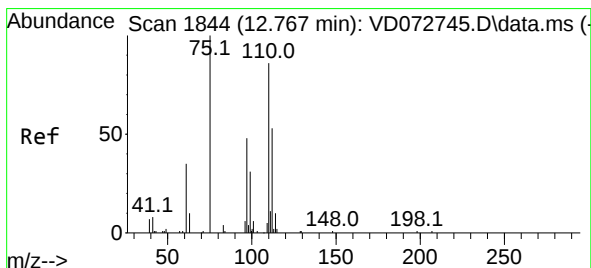
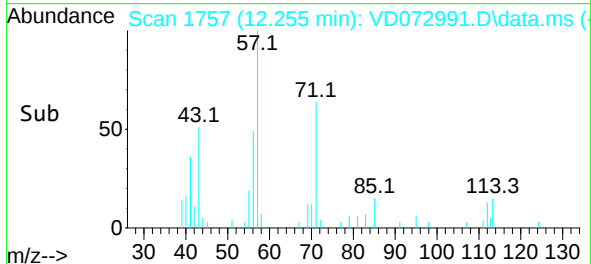
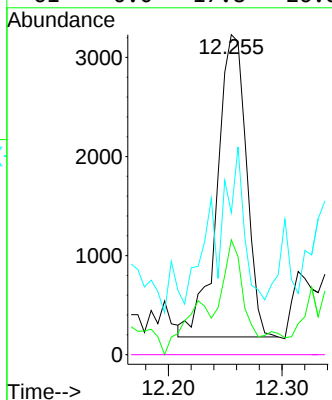
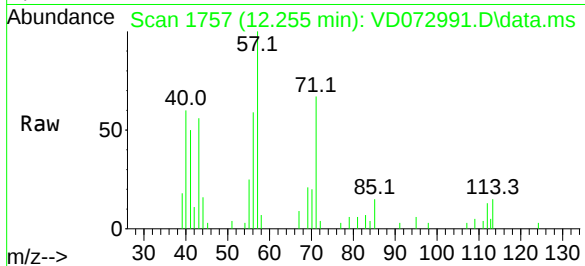




#74
N-amy1 acetate
Concen: 1.059 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

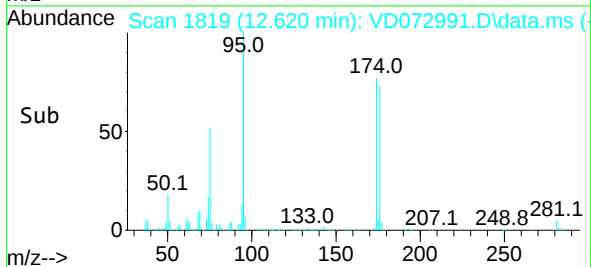
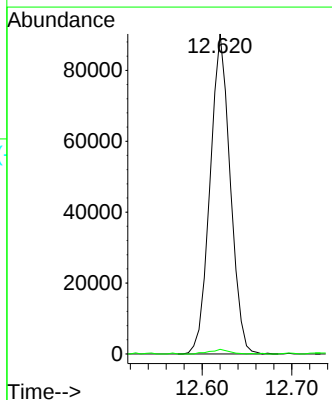
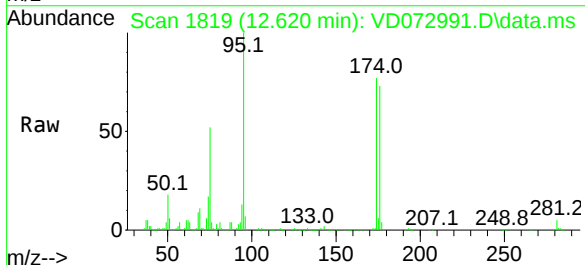
Instrument :
MSVOA_D
ClientSampleId :
PL-05-051222

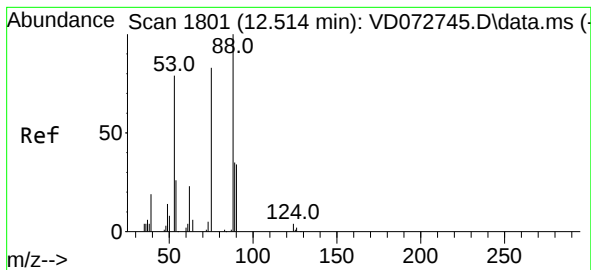
Tgt Ion: 43	Resp: 5444
Ion Ratio	Lower Upper
43 100	
70 19.6	31.3 46.9#
55 36.8	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 47.621 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072991.D
Acq: 13 May 2022 15:58

Tgt Ion: 75	Resp: 140853
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.508 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072991.D
 Acq: 13 May 2022 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-05-051222

Tgt Ion: 75 Resp: 140853
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.1 33.9 50.9#

