

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021422\
 Data File : VD071952.D
 Acq On : 14 Feb 2022 12:58
 Operator : VA/SY
 Sample : N1494-02RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 21ST-STREET-LAUNCH-PIT-3RE

Quant Time: Feb 15 00:34:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

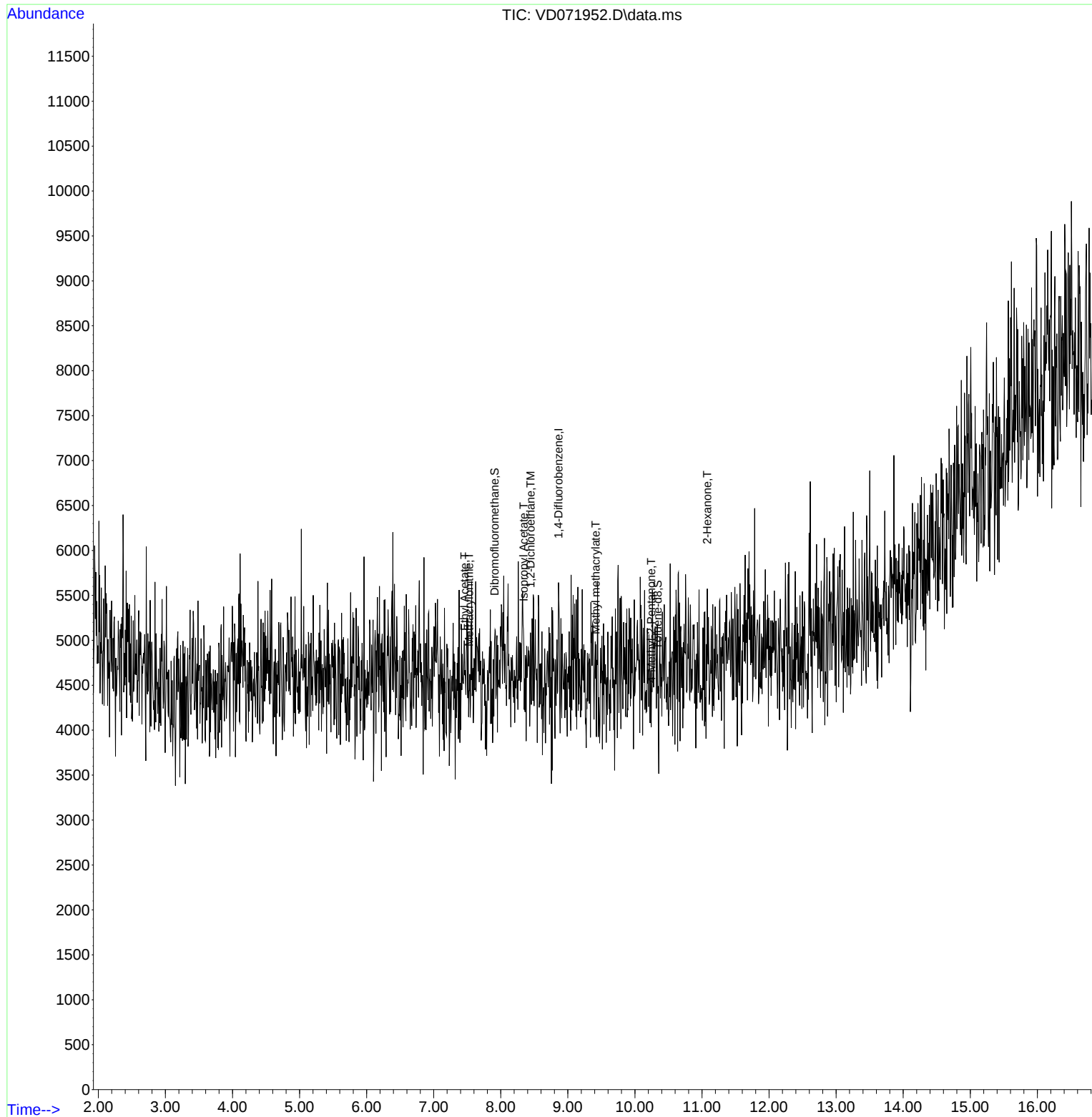
Internal Standards						
1) Pentafluorobenzene	0.000	168	0	0.000	ug/l	-7.98
34) 1,4-Difluorobenzene	8.861	114	65	50.000	ug/l	0.00
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.64
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	7.908	113	63	147.450	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	294.900%#
50) Toluene-d8	10.338	98	66	41.361	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	82.720%
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#
Target Compounds						Qvalue
37) Ethyl Acetate	7.461	43	60	175.980	ug/l #	72
41) Methacrylonitrile	7.526	41	63	326.618	ug/l #	30
42) 1,2-Dichloroethane	8.444	62	62	99.188	ug/l #	76
43) Isopropyl Acetate	8.344	43	61	99.545	ug/l #	54
48) Methyl methacrylate	9.414	41	54	166.509	ug/l #	19
51) 4-Methyl-2-Pentanone	10.244	43	88	274.420	ug/l #	39
59) 2-Hexanone	11.079	43	55	236.306	ug/l #	27

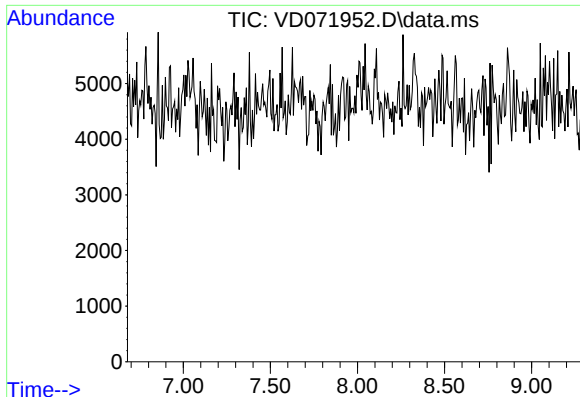
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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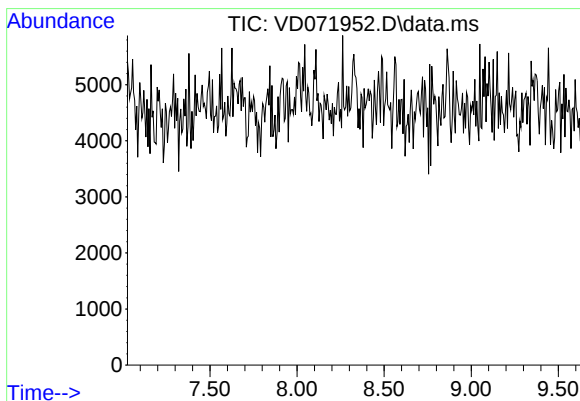
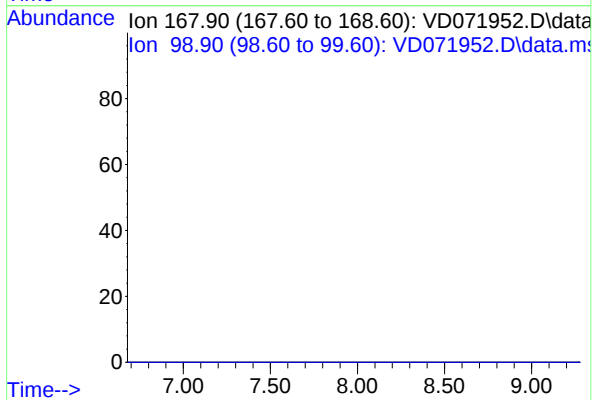


#1
Pentafluorobenzene
Concen: 0.000 ug/l
Expected RT: 7.98 min

Lab File: VD071952.D
Acq: 14 Feb 2022 12:58

Instrument :
MSVOA_D
ClientSampleId :
21ST-STREET-LAUNCH-PIT-3RE

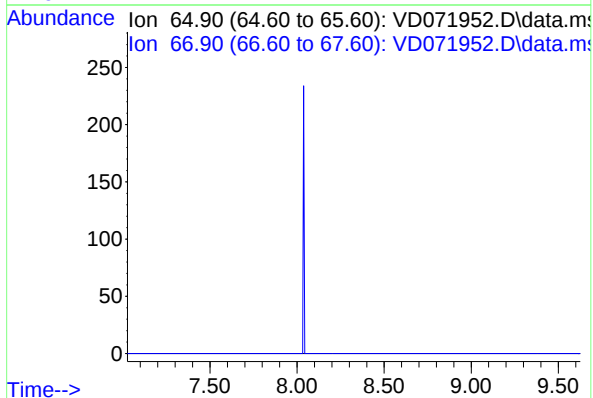
Tgt Ion: 168
Sig Exp Ratio
168 100
99 62.2



#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.33 min

Lab File: VD071952.D
Acq: 14 Feb 2022 12:58

Tgt Ion: 65
Sig Exp Ratio
65 100
67 50.7

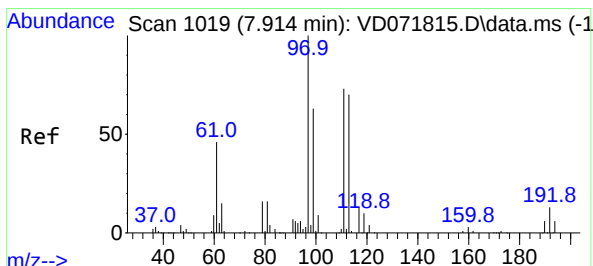
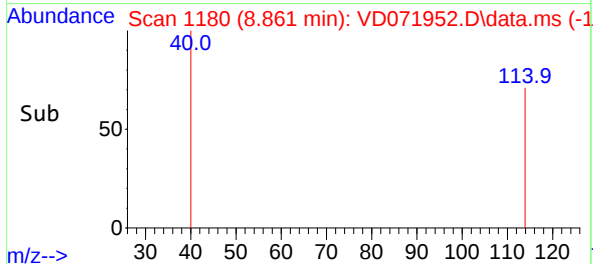
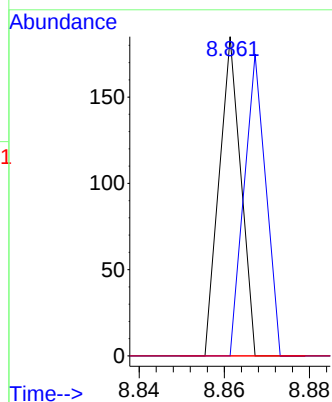
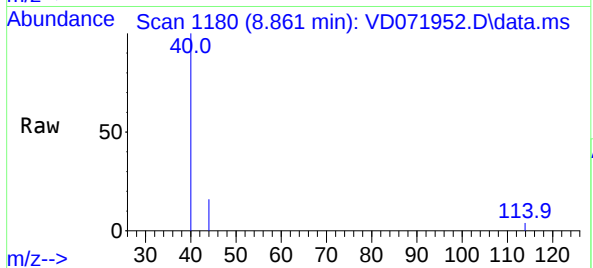




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD071952.D
Acq: 14 Feb 2022 12:58

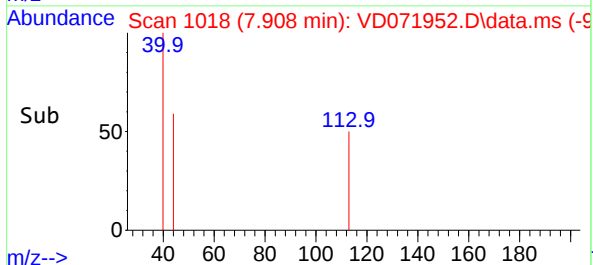
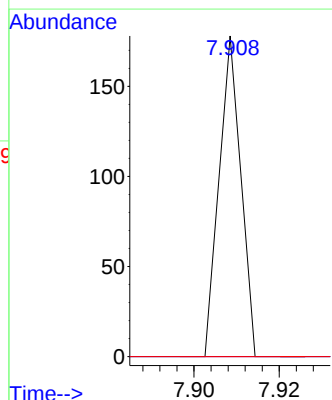
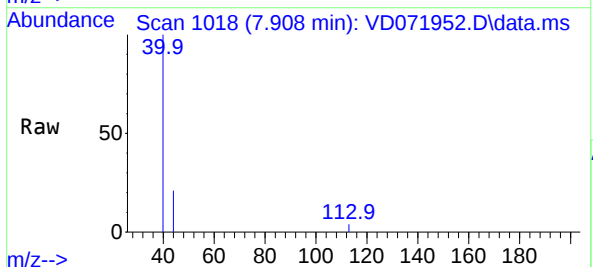
Instrument :
MSVOA_D
ClientSampleId :
21ST-STREET-LAUNCH-PIT-3RE

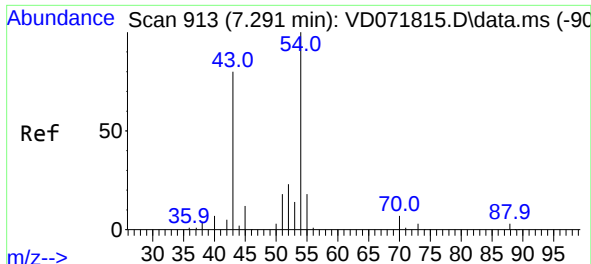
Tgt Ion:114	Resp:	65
Ion	Ratio	Lower Upper
114	100	
63	0.0	0.0 46.6
88	0.0	0.0 33.2



#35
Dibromofluoromethane
Concen: 147.450 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD071952.D
Acq: 14 Feb 2022 12:58

Tgt Ion:113	Resp:	63
Ion	Ratio	Lower Upper
113	100	
111	0.0	83.8 125.6#
192	0.0	14.6 21.8#





#37

Ethyl Acetate

Concen: 175.980 ug/l

RT: 7.461 min Scan# 942

Delta R.T. 0.165 min

Lab File: VD071952.D

Acq: 14 Feb 2022 12:58

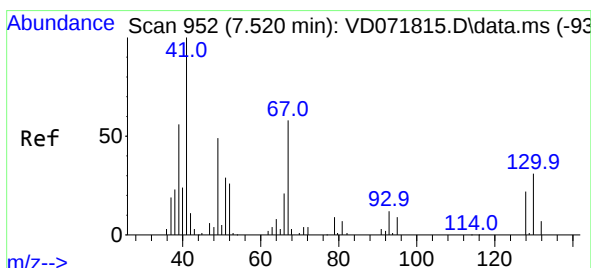
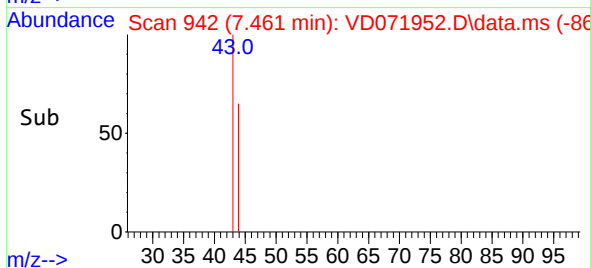
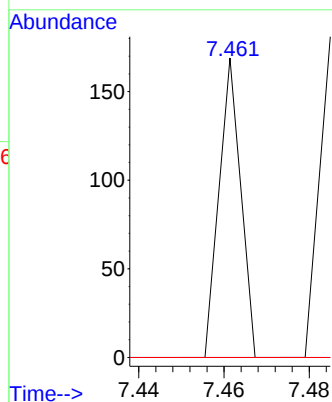
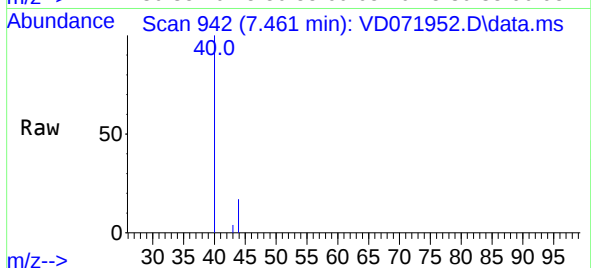
Instrument :

MSVOA_D

ClientSampleId :

21ST-STREET-LAUNCH-PIT-3RE

Tgt Ion: 43	Resp: 60
Ion Ratio	Lower Upper
43 100	
61 0.0	9.8 14.8#
70 0.0	6.9 10.3#



#41

Methacrylonitrile

Concen: 326.618 ug/l

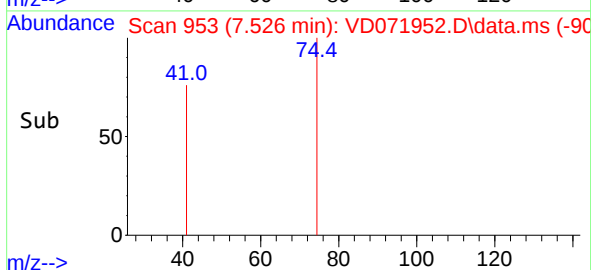
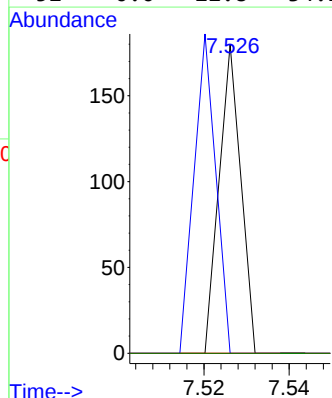
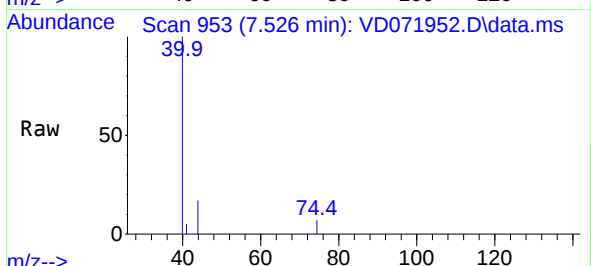
RT: 7.526 min Scan# 953

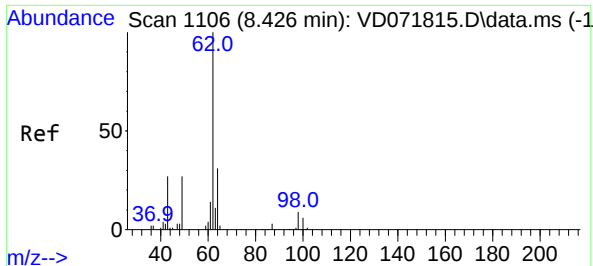
Delta R.T. 0.006 min

Lab File: VD071952.D

Acq: 14 Feb 2022 12:58

Tgt Ion: 41	Resp: 63
Ion Ratio	Lower Upper
41 100	
39 104.8	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#





#42

1,2-Dichloroethane

Concen: 99.188 ug/l

RT: 8.444 min Scan# 1106

Delta R.T. 0.018 min

Lab File: VD071952.D

Acq: 14 Feb 2022 12:58

Instrument :

MSVOA_D

ClientSampleId :

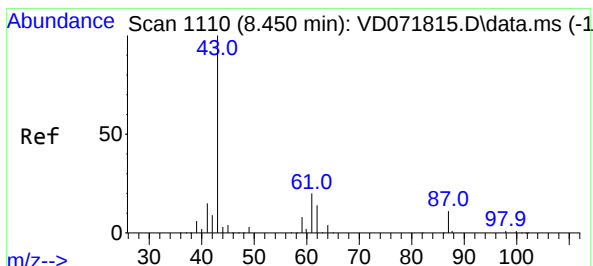
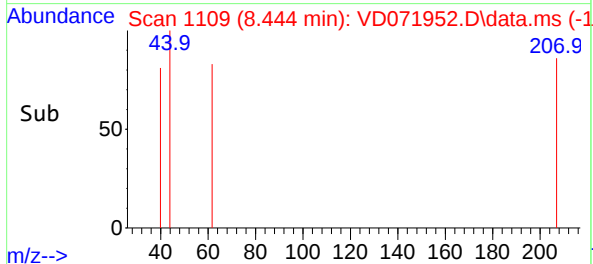
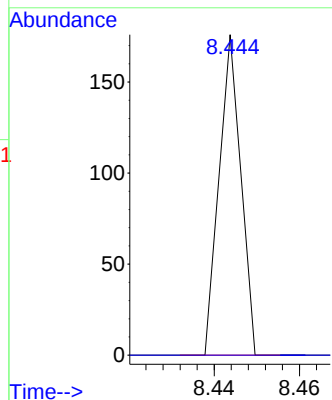
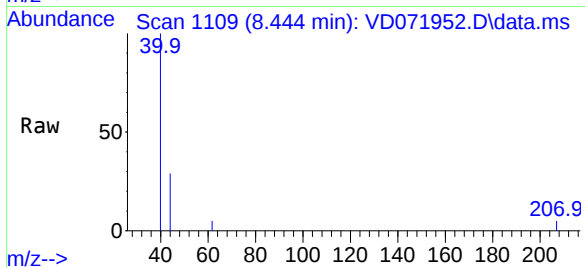
21ST-STREET-LAUNCH-PIT-3RE

Tgt Ion: 62 Resp: 62

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



#43

Isopropyl Acetate

Concen: 99.545 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.106 min

Lab File: VD071952.D

Acq: 14 Feb 2022 12:58

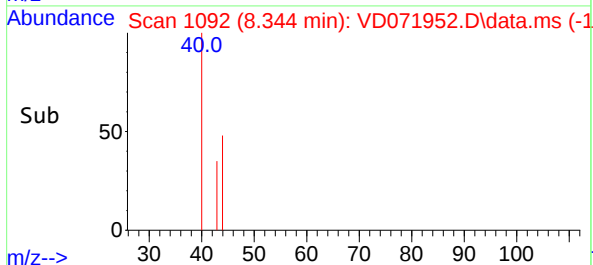
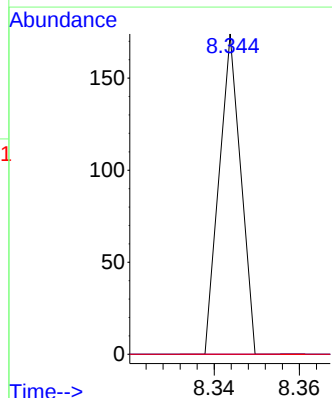
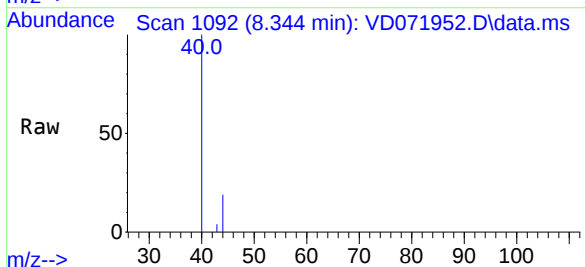
Tgt Ion: 43 Resp: 61

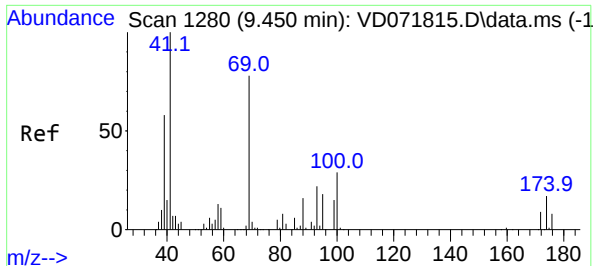
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#





#48

Methyl methacrylate

Concen: 166.509 ug/l

RT: 9.414 min Scan# 11

Delta R.T. -0.035 min

Lab File: VD071952.D

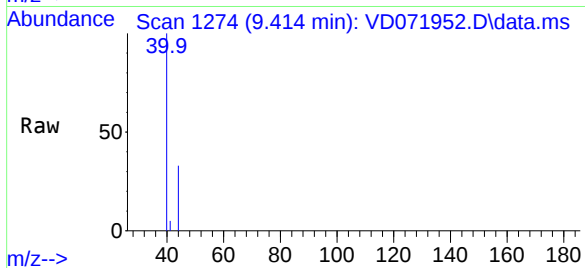
Acq: 14 Feb 2022 12:58

Instrument :

MSVOA_D

ClientSampleId :

21ST-STREET-LAUNCH-PIT-3RE



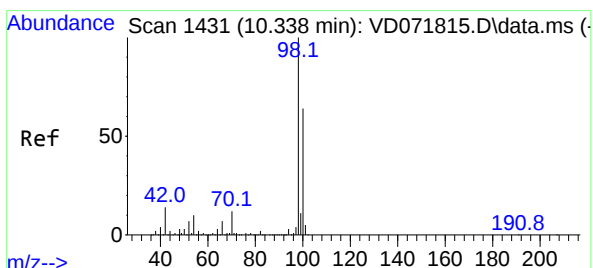
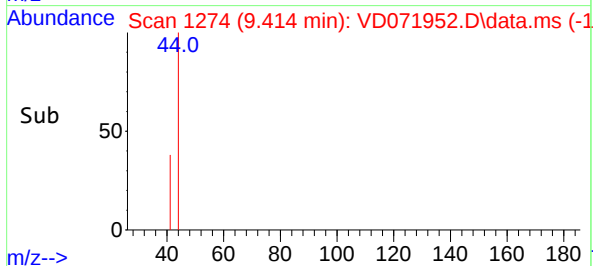
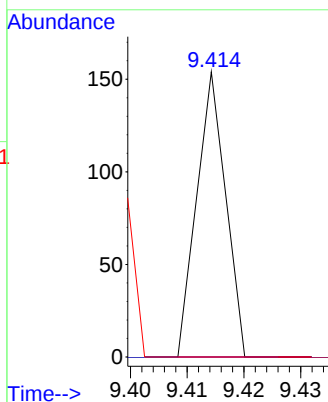
Tgt Ion: 41 Resp: 54

Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 0.0 42.7 64.1#



#50

Toluene-d8

Concen: 41.361 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071952.D

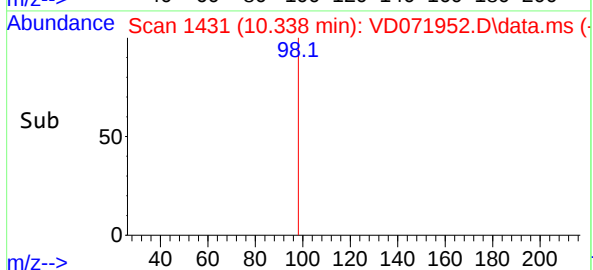
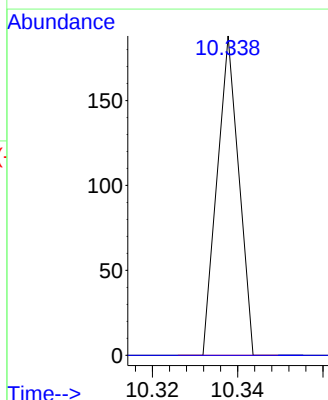
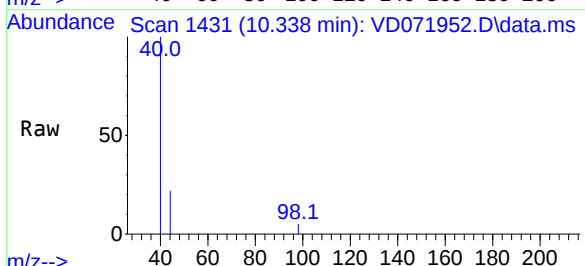
Acq: 14 Feb 2022 12:58

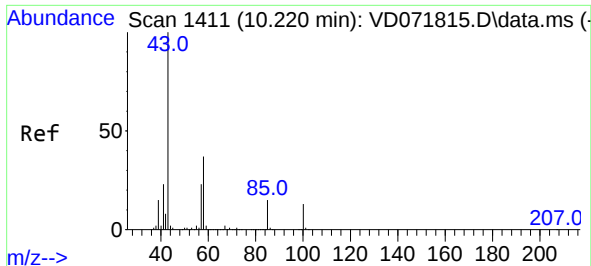
Tgt Ion: 98 Resp: 66

Ion Ratio Lower Upper

98 100

100 0.0 52.4 78.6#

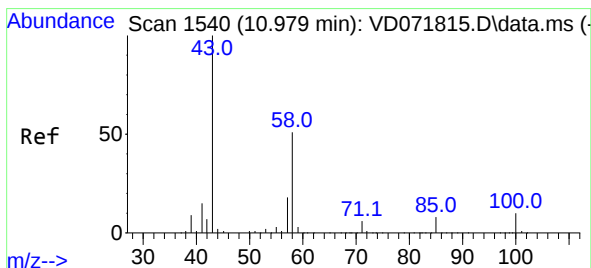
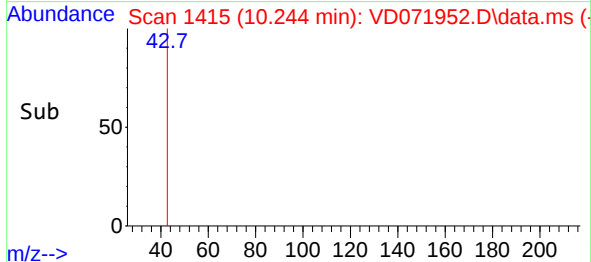
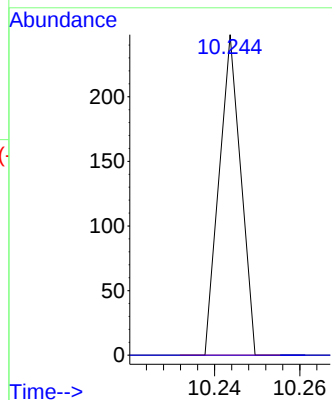
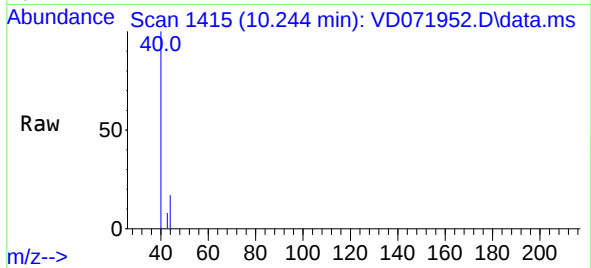




#51
4-Methyl-2-Pentanone
Concen: 274.420 ug/l
RT: 10.244 min Scan# 1411
Delta R.T. 0.018 min
Lab File: VD071952.D
Acq: 14 Feb 2022 12:58

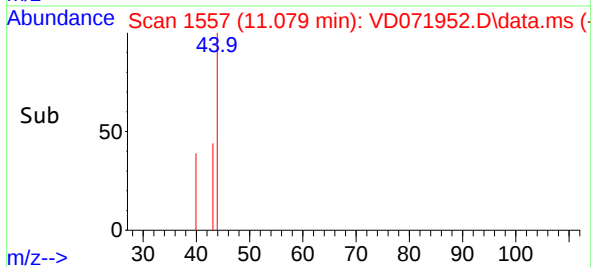
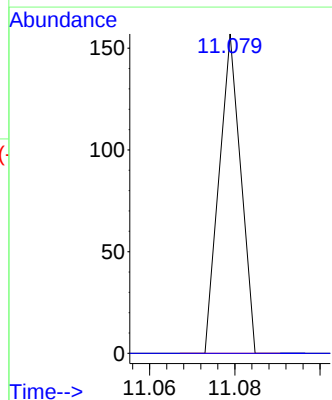
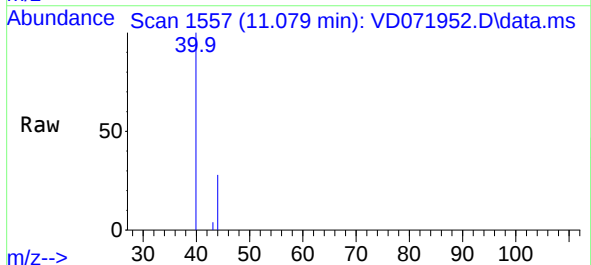
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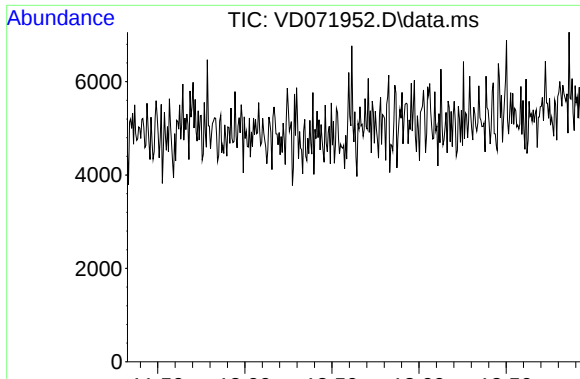
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 236.306 ug/l
RT: 11.079 min Scan# 1557
Delta R.T. 0.100 min
Lab File: VD071952.D
Acq: 14 Feb 2022 12:58

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



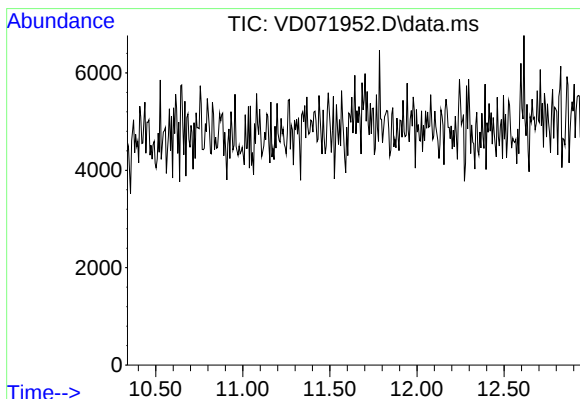
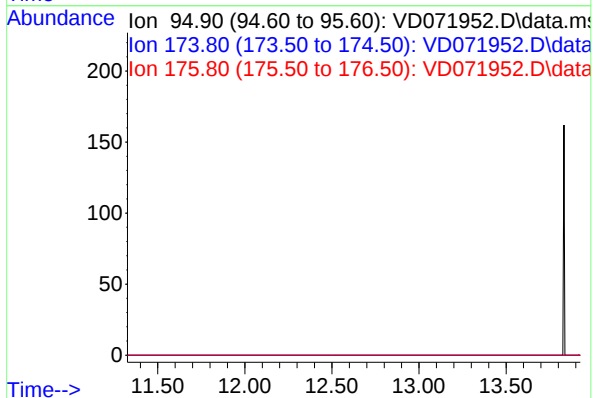


#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.63 min
 Lab File: VD071952.D
 Acq: 14 Feb 2022 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 21ST-STREET-LAUNCH-PIT-3RE

Tgt Ion: 95

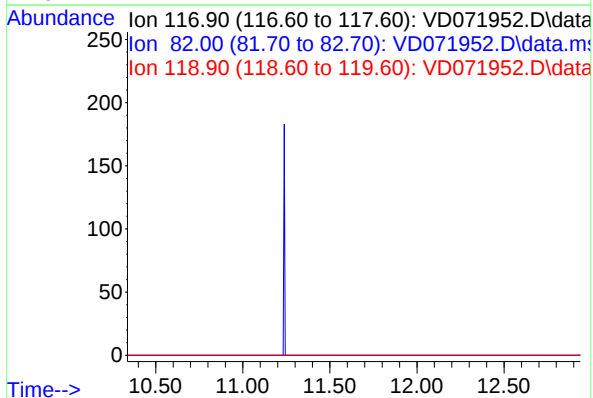
Sig	Exp Ratio
95	100
174	76.4
176	72.7

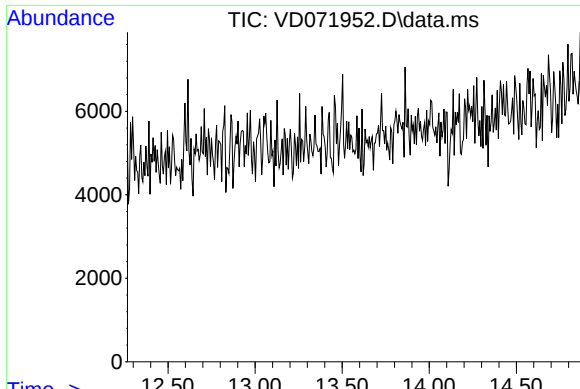


#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 11.64 min
 Lab File: VD071952.D
 Acq: 14 Feb 2022 12:58

Tgt Ion: 117

Sig	Exp Ratio
117	100
82	56.6
119	33.3





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.57 min
Lab File: VD071952.D
Acq: 14 Feb 2022 12:58

Instrument :
MSVOA_D
ClientSampleId :
21ST-STREET-LAUNCH-PIT-3RE

Tgt Ion: 152
Sig Exp Ratio
152 100
115 62.5
150 174.3

