

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111621\
 Data File : VD071046.D
 Acq On : 16 Nov 2021 17:02
 Operator : VA/SY
 Sample : M4577-04RE
 Misc : 4.70G/5.00mL/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 17 03:24:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

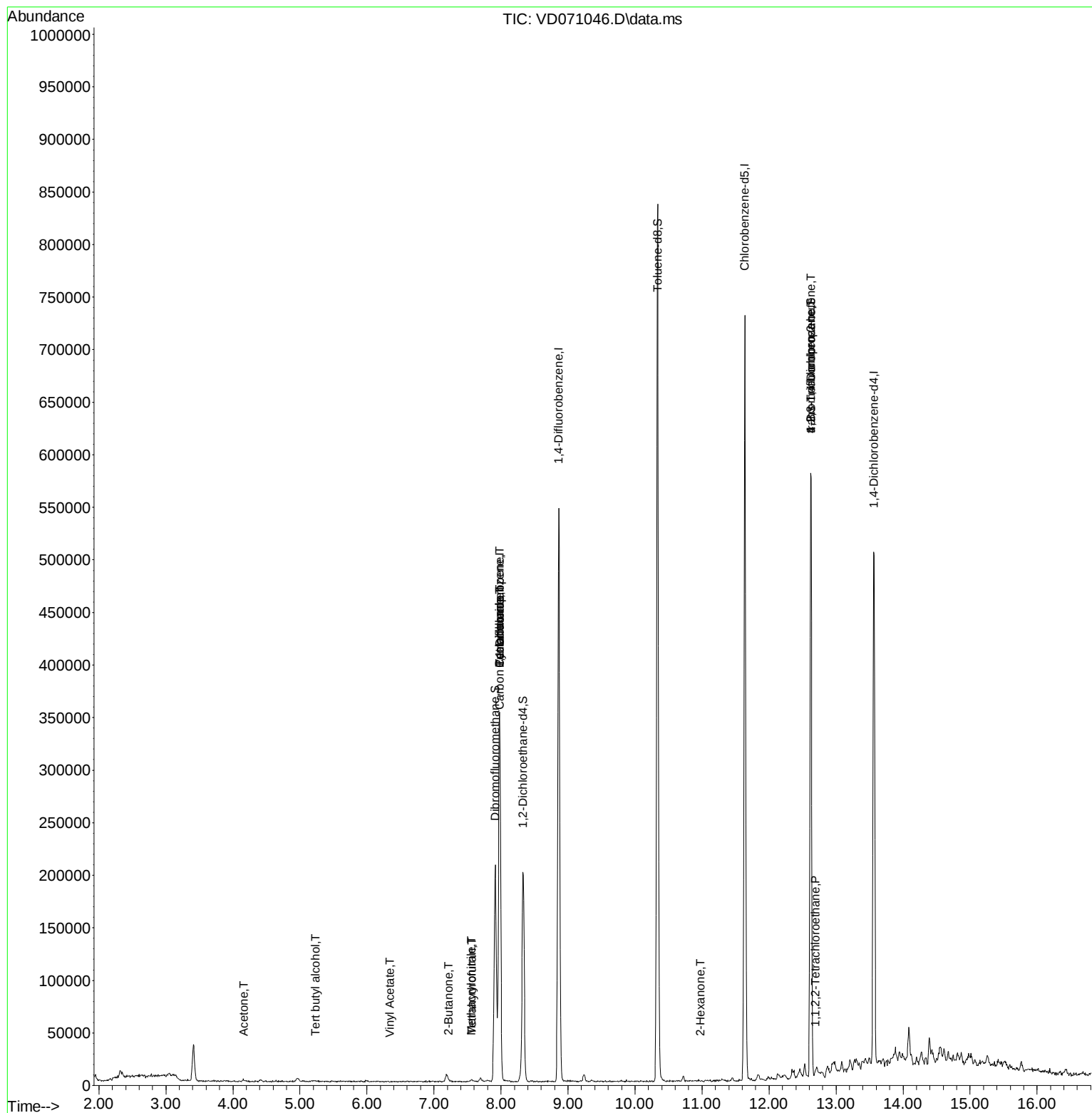
Internal Standards						
1) Pentafluorobenzene	7.979	168	255678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	452308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	389500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	126765	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	157420	57.83	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	115.66%	
35) Dibromofluoromethane	7.914	113	147284	57.71	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	115.42%	
50) Toluene-d8	10.338	98	546278	54.65	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.626	95	163188	45.34	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	90.68%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.232	59	587	2.95	ug/l #	71
13) Acrolein	3.873	56	74	Below Cal	#	13
16) Acetone	4.162	43	2486	22.91	ug/l #	74
23) Vinyl Acetate	6.344	43	55	20.99	ug/l #	72
25) 2-Butanone	7.220	43	102	20.47	ug/l #	45
29) Tetrahydrofuran	7.567	42	803	1.45	ug/l #	75
31) Cyclohexane	7.979	56	7549	1.35	ug/l #	27
36) 1,1-Dichloropropene	7.979	75	22246	5.51	ug/l #	50
38) Carbon Tetrachloride	7.985	117	27301	7.34	ug/l #	16
41) Methacrylonitrile	7.561	41	1019	4.20	ug/l #	21
59) 2-Hexanone	10.979	43	426	16.20	ug/l #	22
75) 1,1,2,2-Tetrachloroethane	12.691	83	1617	1.03	ug/l #	30
76) 1,2,3-Trichloropropane	12.626	75	89118	82.30	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	89118	151.26	ug/l #	19

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

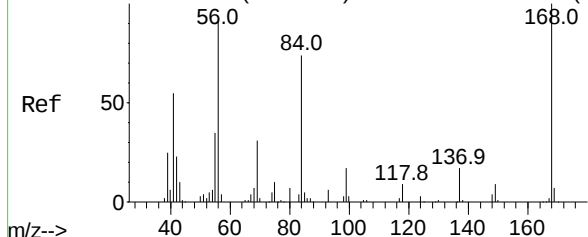
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111621\
Data File : VD071046.D
Acq On : 16 Nov 2021 17:02
Operator : VA/SY
Sample : M4577-04RE
Misc : 4.70G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 17 03:24:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



Abundance Scan 1030 (7.979 min): VD070947.D\data.ms (-1010) (-)



Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Instrument :

MSVOA_D

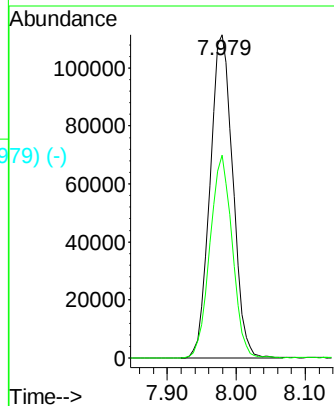
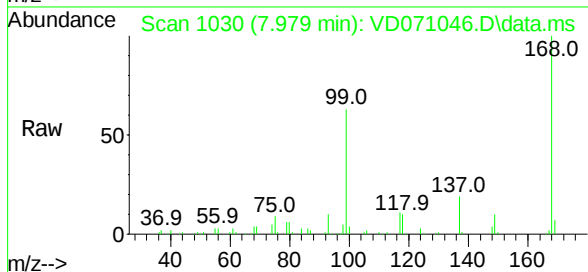
ClientSampleId :

Tgt Ion:168 Resp: 255678

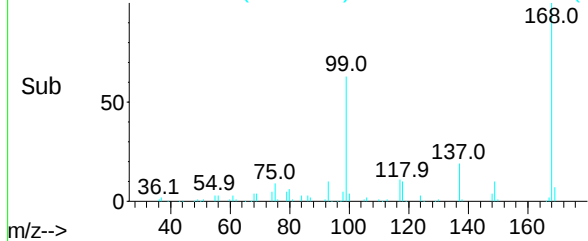
Ion Ratio Lower Upper

168 100

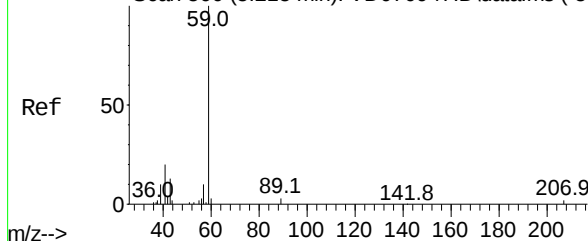
99 62.8 46.6 69.8



Abundance Scan 1030 (7.979 min): VD071046.D\data.ms (-979) (-)



Abundance Scan 560 (5.215 min): VD070947.D\data.ms (-545) (-)



Tert butyl alcohol

Concen: 2.95 ug/l

RT: 5.232 min Scan# 563

Delta R.T. 0.017 min

Lab File: VD071046.D

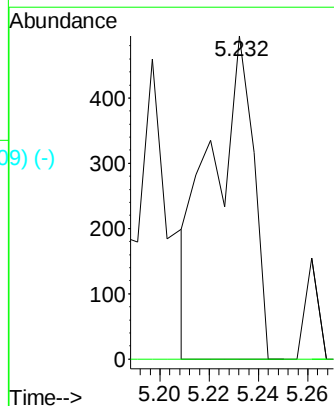
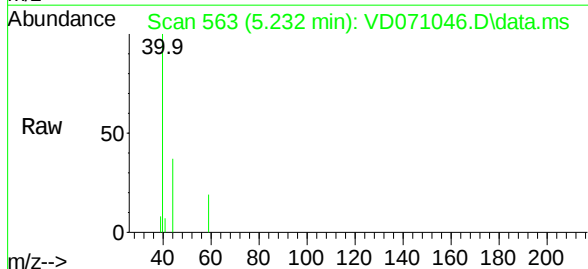
Acq: 16 Nov 2021 17:02

Tgt Ion: 59 Resp: 587

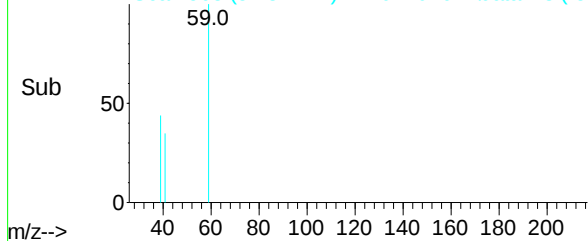
Ion Ratio Lower Upper

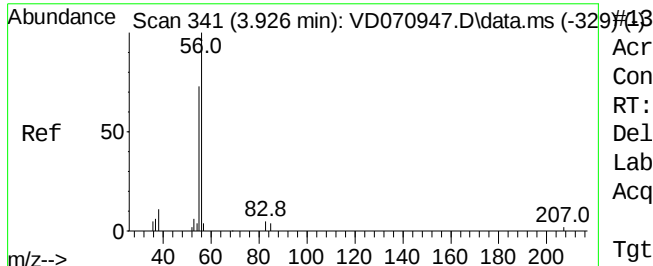
59 100

57 0.0 9.0 13.4#



Abundance Scan 563 (5.232 min): VD071046.D\data.ms (-509) (-)





Acrolein

Concen: Below Cal

RT: 3.873 min Scan# 13

Delta R.T. -0.053 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Instrument :

MSVOA_D

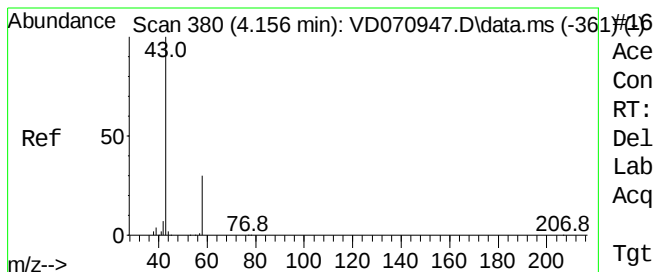
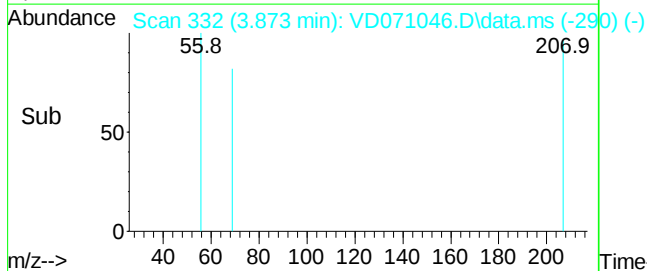
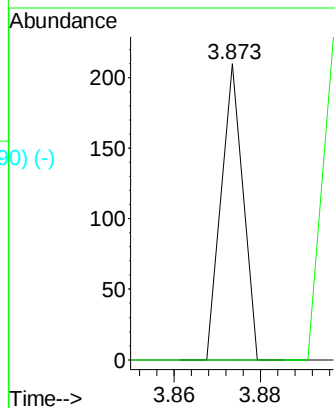
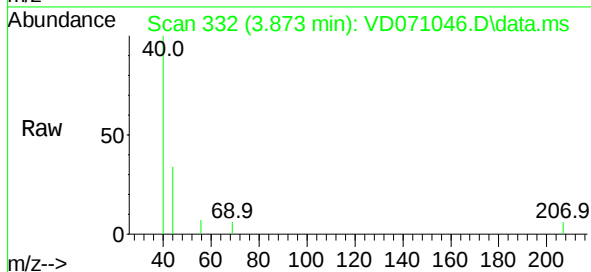
ClientSampleId :

Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#



Acetone

Concen: 22.91 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD071046.D

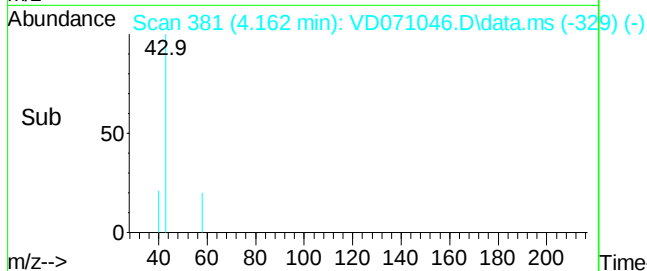
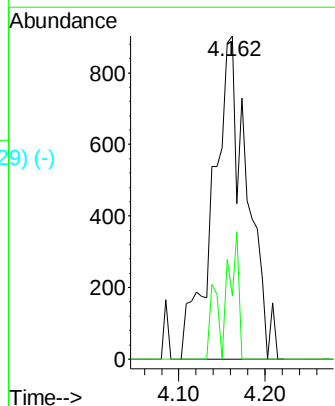
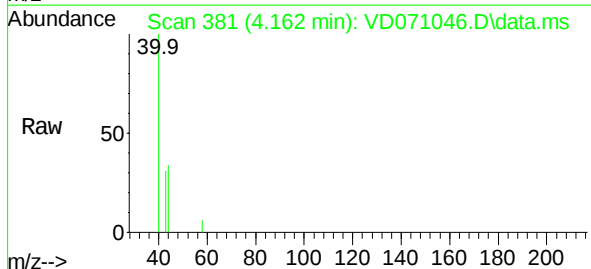
Acq: 16 Nov 2021 17:02

Tgt Ion: 43 Resp: 2486

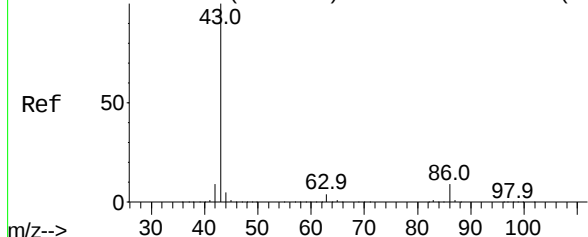
Ion Ratio Lower Upper

43 100

58 19.6 27.8 41.8#



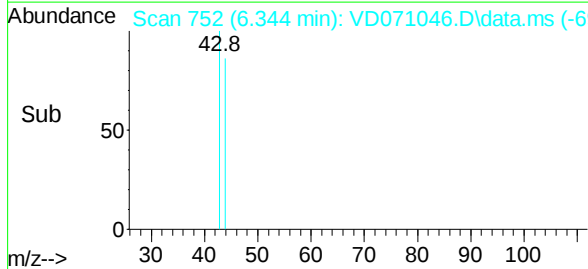
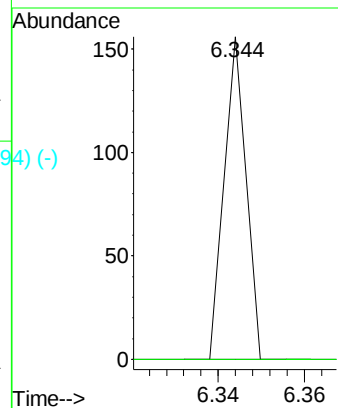
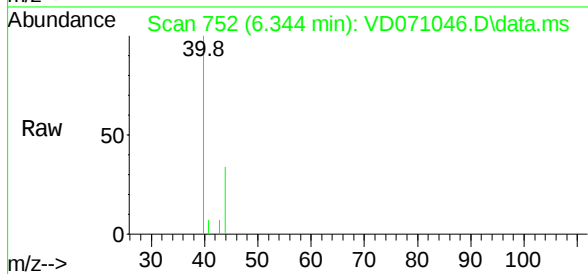
Abundance Scan 745 (6.303 min): VD070947.D\data.ms (-728) #23



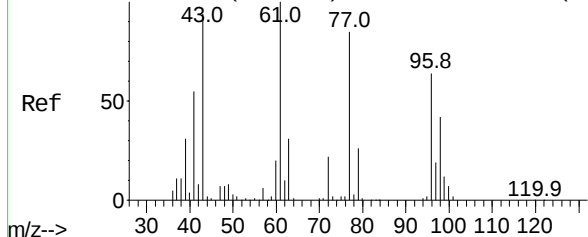
Vinyl Acetate
 Concen: 20.99 ug/l
 RT: 6.344 min Scan#
 Delta R.T. 0.041 min
 Lab File: VD071046.D
 Acq: 16 Nov 2021 17:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#

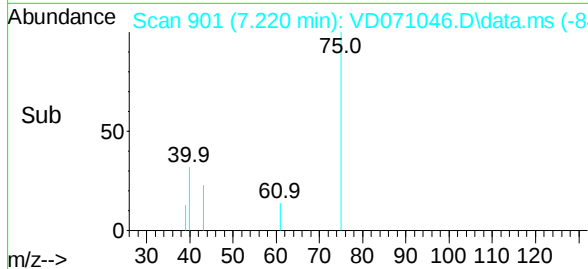
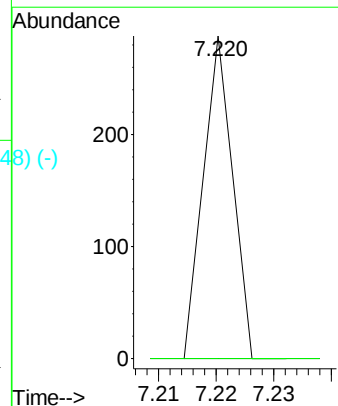
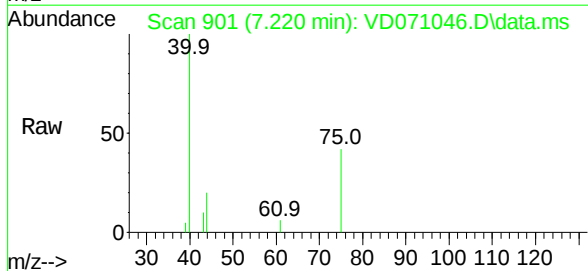


Abundance Scan 899 (7.209 min): VD070947.D\data.ms (-888) #25



2-Butanone
 Concen: 20.47 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.011 min
 Lab File: VD071046.D
 Acq: 16 Nov 2021 17:02

Tgt Ion: 43 Resp: 102
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



Abundance Scan 959 (7.561 min): VD070947.D\data.ms (-945) (-)

Tetrahydrofuran

Concen: 1.45 ug/l

RT: 7.567 min Scan# 959

Delta R.T. 0.006 min

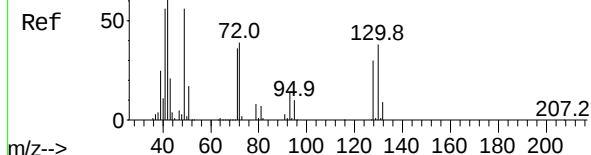
Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Instrument :

MSVOA_D

ClientSampleId :



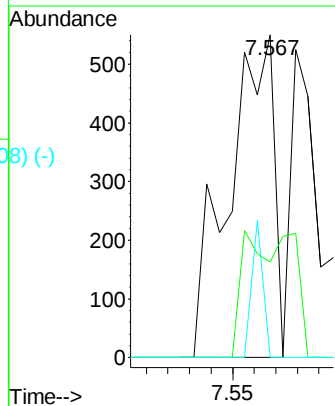
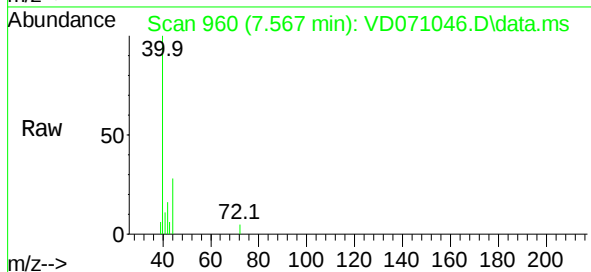
Tgt Ion: 42 Resp: 803

Ion Ratio Lower Upper

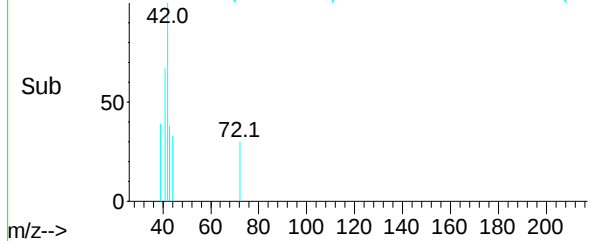
42 100

72 42.8 33.7 50.5

71 10.3 32.7 49.1#



Abundance Scan 960 (7.567 min): VD071046.D\data.ms (-908) (-)



Abundance Scan 1031 (7.985 min): VD070947.D\data.ms (-1031) (-)

Cyclohexane

Concen: 1.35 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

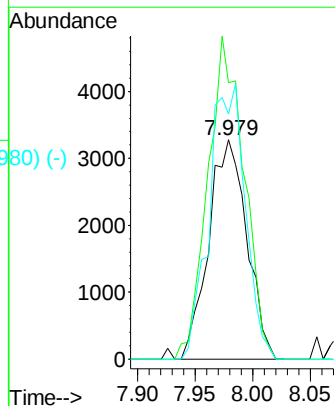
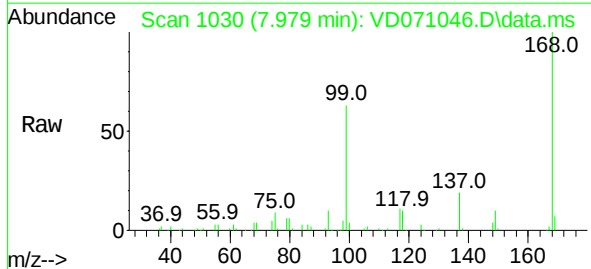
Tgt Ion: 56 Resp: 7549

Ion Ratio Lower Upper

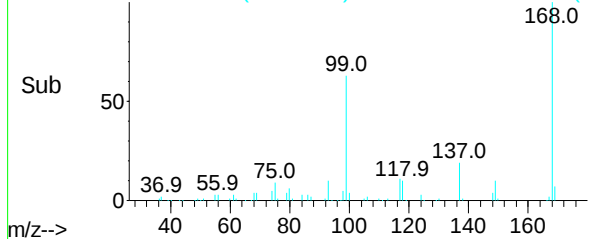
56 100

69 126.0 25.9 38.9#

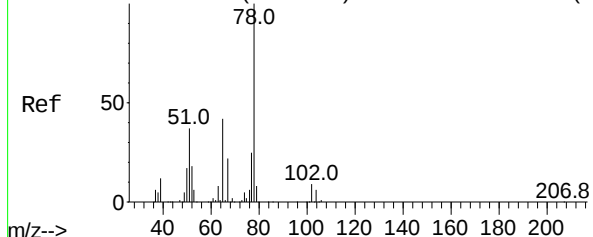
84 111.7 64.3 96.5#



Abundance Scan 1030 (7.979 min): VD071046.D\data.ms (-980) (-)



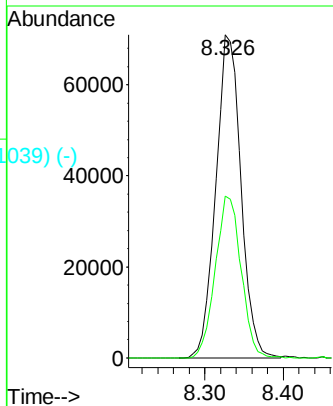
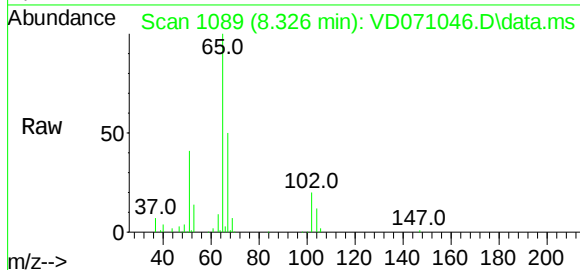
Abundance Scan 1090 (8.332 min): VD070947.D\data.ms (-10793-)



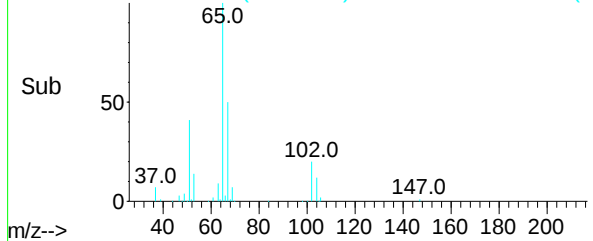
1,2-Dichloroethane-d4
Concen: 57.83 ug/l
RT: 8.326 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD071046.D
Acq: 16 Nov 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :

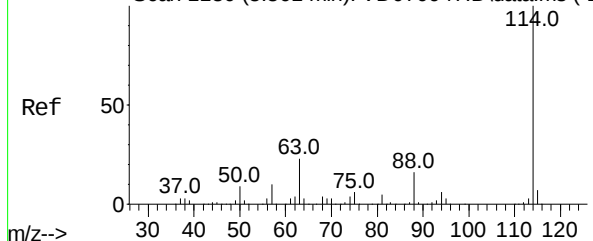
Tgt Ion: 65 Resp: 157420
Ion Ratio Lower Upper
65 100
67 51.5 0.0 112.2



Abundance Scan 1089 (8.326 min): VD071046.D\data.ms (-1039-)

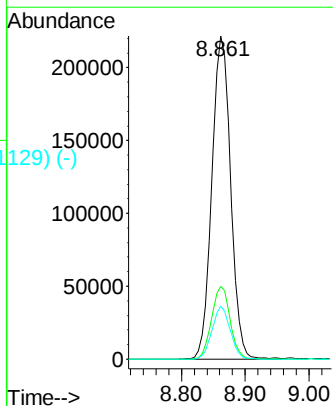
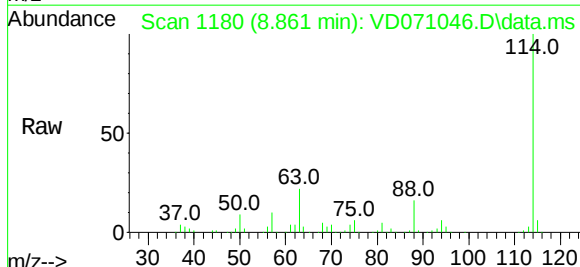


Abundance Scan 1180 (8.861 min): VD070947.D\data.ms (-11704-)

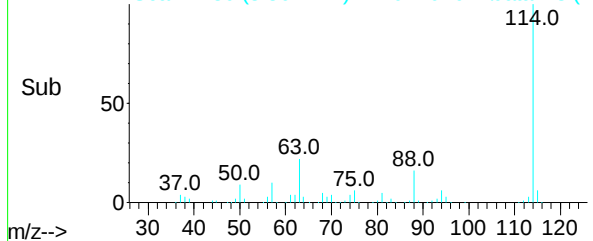


1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071046.D
Acq: 16 Nov 2021 17:02

Tgt Ion:114 Resp: 452308
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.8
88 16.5 0.0 32.8



Abundance Scan 1180 (8.861 min): VD071046.D\data.ms (-1129-)



Abundance Scan 1019 (7.914 min): VD070947.D\data.ms (-10075-)

Dibromofluoromethane

Concen: 57.71 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

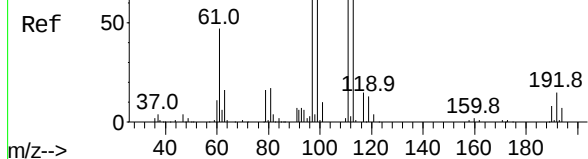
Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Instrument :

MSVOA_D

ClientSampleId :



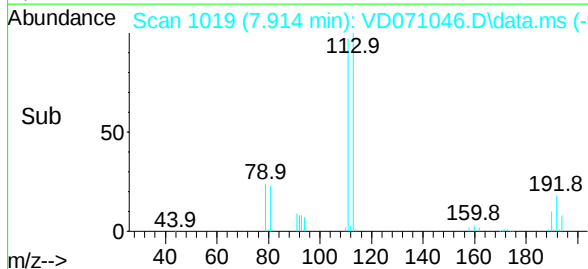
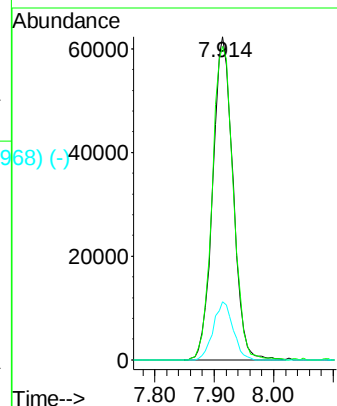
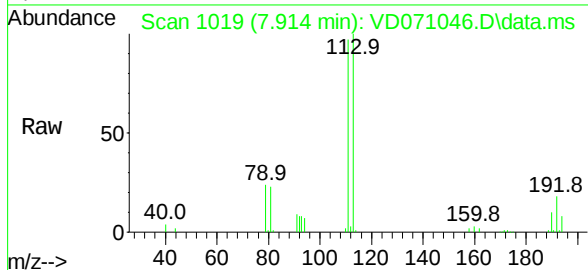
Tgt Ion: 113 Resp: 147284

Ion Ratio Lower Upper

113 100

111 101.0 82.0 123.0

192 17.5 15.2 22.8



Abundance Scan 1052 (8.108 min): VD070947.D\data.ms (-10496-)

1,1-Dichloropropene

Concen: 5.51 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

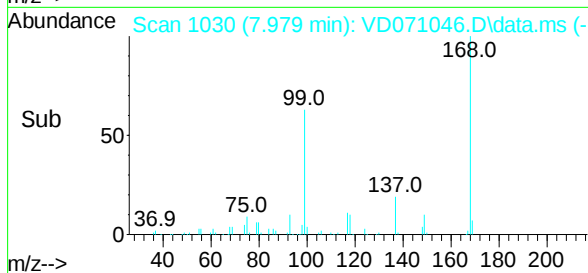
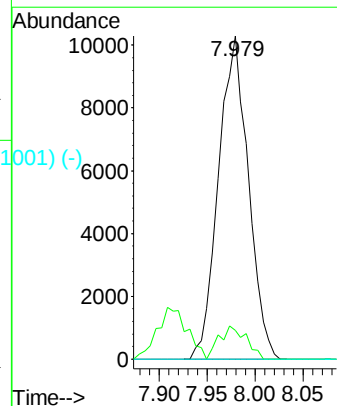
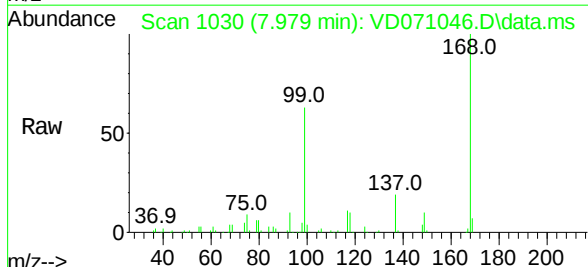
Tgt Ion: 75 Resp: 22246

Ion Ratio Lower Upper

75 100

110 9.2 17.8 53.4#

77 0.0 24.8 37.2#



Abundance Scan 1050 (8.097 min): VD070947.D\data.ms (-1038) (-)

Carbon Tetrachloride

Concen: 7.34 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.112 min

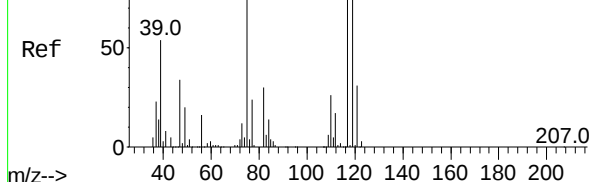
Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Instrument :

MSVOA_D

ClientSampleId :



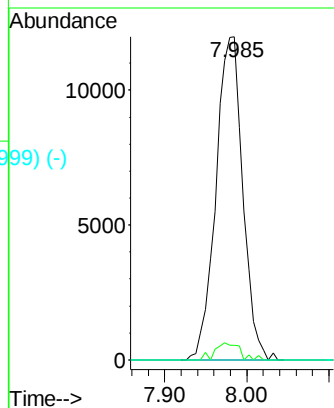
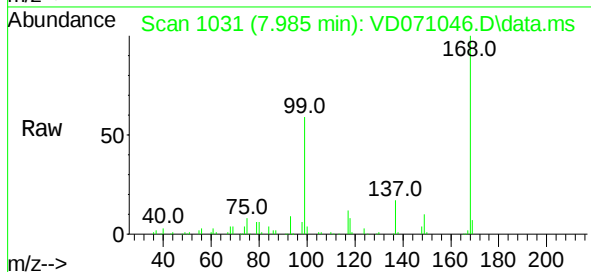
Tgt Ion: 117 Resp: 27301

Ion Ratio Lower Upper

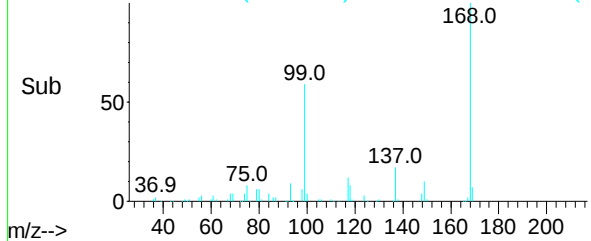
117 100

119 4.6 75.8 113.6#

121 0.0 23.6 35.4#



Abundance Scan 1031 (7.985 min): VD071046.D\data.ms (-999) (-)



Abundance Scan 951 (7.514 min): VD070947.D\data.ms (-944) (-)

Methacrylonitrile

Concen: 4.20 ug/l

RT: 7.561 min Scan# 959

Delta R.T. 0.047 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Tgt Ion: 41 Resp: 1019

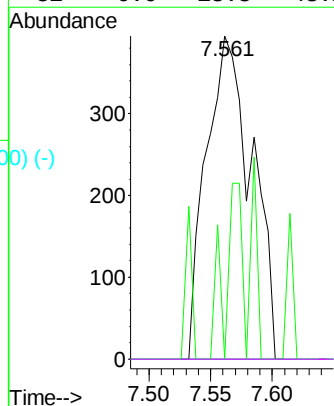
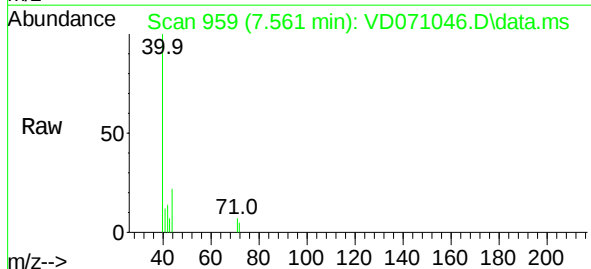
Ion Ratio Lower Upper

41 100

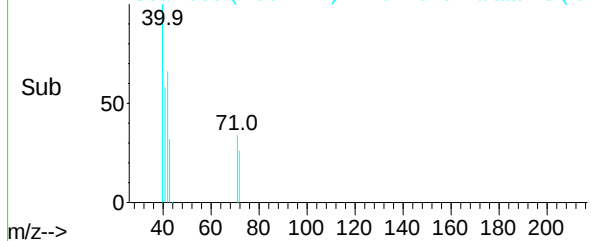
39 20.6 60.2 90.4#

67 0.0 74.8 112.2#

52 0.0 28.8 43.2#



Abundance Scan 959 (7.561 min): VD071046.D\data.ms (-900) (-)



Abundance Scan 1431 (10.338 min): VD070947.D\data.ms (-1459) (-)

Toluene-d8

Concen: 54.65 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Instrument :

MSVOA_D

ClientSampleId :

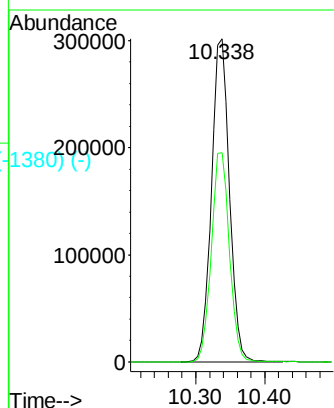
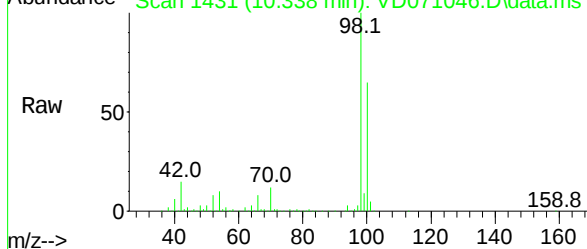
Tgt Ion: 98 Resp: 546278

Ion Ratio Lower Upper

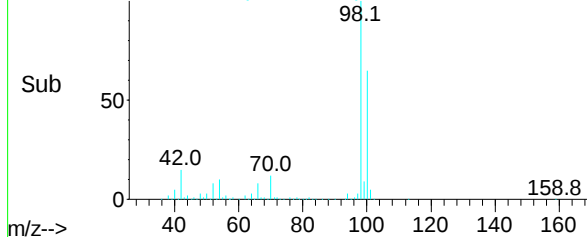
98 100

100 65.1 51.8 77.6

Abundance Scan 1431 (10.338 min): VD071046.D\data.ms



Abundance Scan 1431 (10.338 min): VD071046.D\data.ms (-1380) (-)



Abundance Scan 1540 (10.979 min): VD070947.D\data.ms (-1529) (-)

2-Hexanone

Concen: 16.20 ug/l

RT: 10.979 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

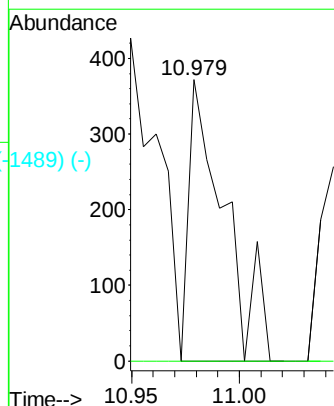
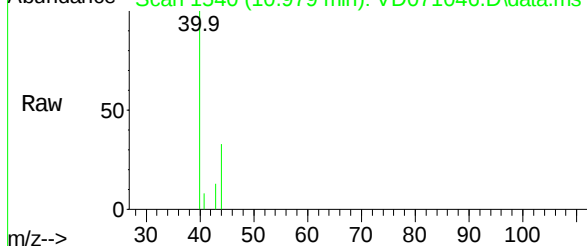
Tgt Ion: 43 Resp: 426

Ion Ratio Lower Upper

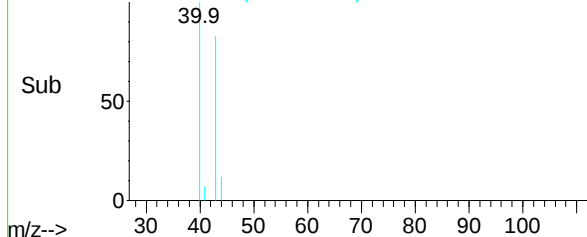
43 100

58 0.0 28.7 86.1#

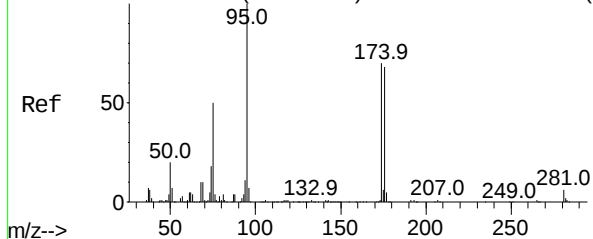
Abundance Scan 1540 (10.979 min): VD071046.D\data.ms



Abundance Scan 1540 (10.979 min): VD071046.D\data.ms (-1489) (-)



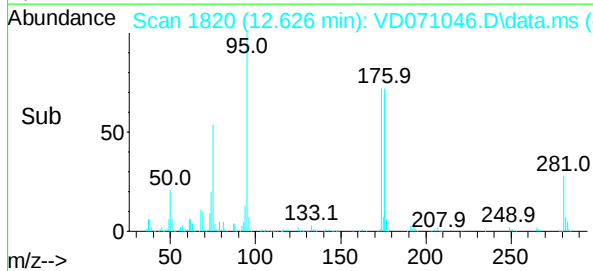
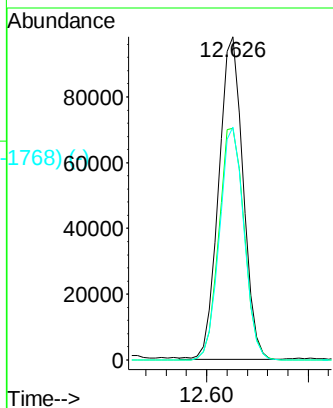
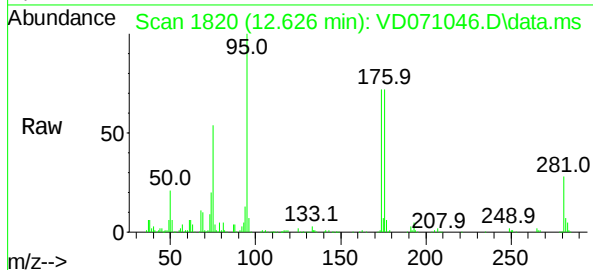
Abundance Scan 1819 (12.620 min): VD070947.D\data.ms (-1600)



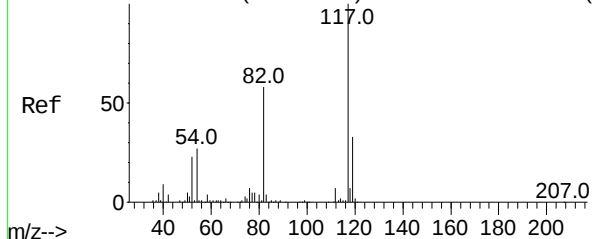
4-Bromofluorobenzene
Concen: 45.34 ug/l
RT: 12.626 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VD071046.D
Acq: 16 Nov 2021 17:02

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 95 Resp: 163188
Ion Ratio Lower Upper
95 100
174 74.7 0.0 159.4
176 72.5 0.0 154.0

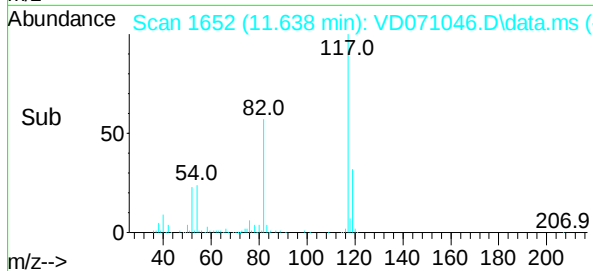
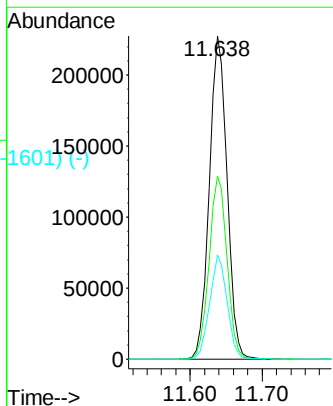
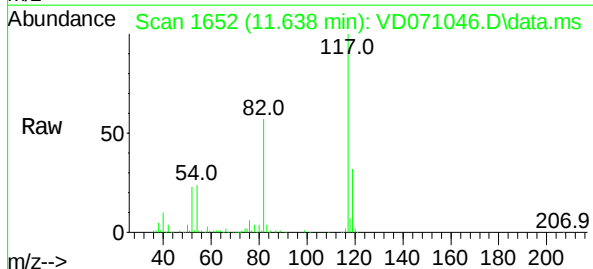


Abundance Scan 1652 (11.638 min): VD070947.D\data.ms (-1600)



Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071046.D
Acq: 16 Nov 2021 17:02

Tgt Ion:117 Resp: 389500
Ion Ratio Lower Upper
117 100
82 56.6 44.7 67.1
119 32.2 26.2 39.4



Abundance Scan 1979 (13.561 min): VD070947.D\data.ms (-1979) (-)

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.561 min Scan#

Delta R.T. 0.000 min

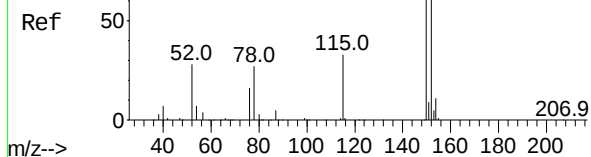
Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Instrument :

MSVOA_D

ClientSampleId :



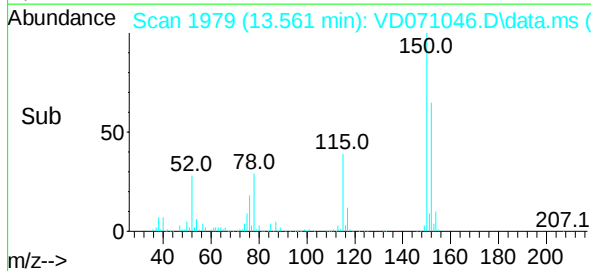
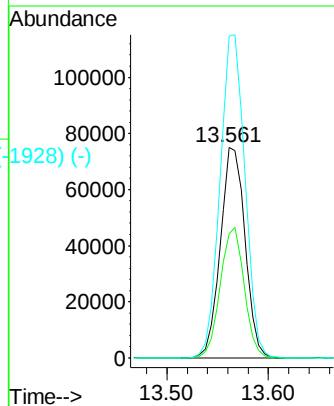
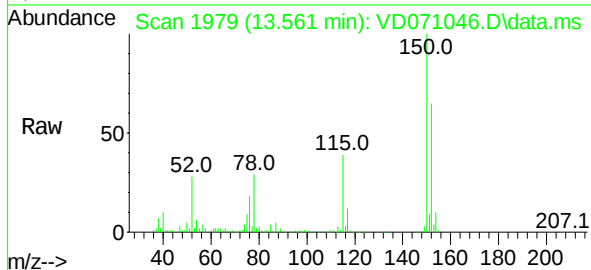
Tgt Ion:152 Resp: 126765

Ion Ratio Lower Upper

152 100

115 60.0 29.8 89.3

150 155.0 0.0 349.2



Abundance Scan 1836 (12.720 min): VD070947.D\data.ms (-1836) (-)

1,1,2,2-Tetrachloroethane

Concen: 1.03 ug/l

RT: 12.691 min Scan# 1831

Delta R.T. -0.029 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

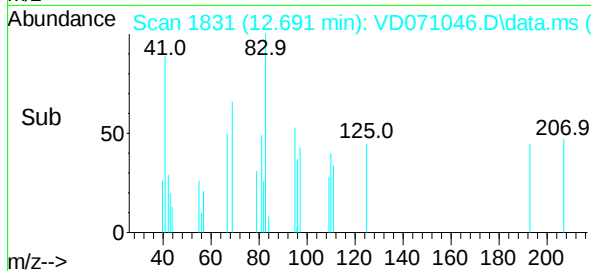
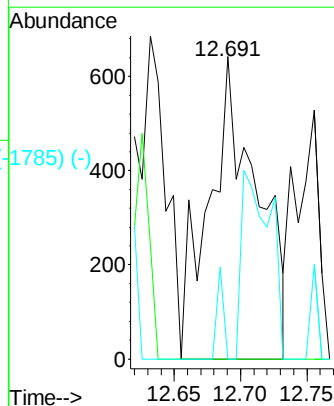
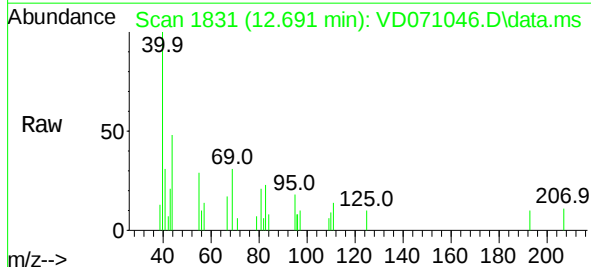
Tgt Ion: 83 Resp: 1617

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 4.3 32.0 96.2#



Abundance Scan 1847 (12.785 min): VD070947.D\data.ms (-1875) (-)

1,2,3-Trichloropropane

Concen: 82.30 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.159 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Instrument :

MSVOA_D

ClientSampleId :

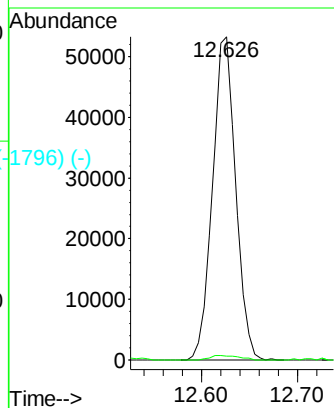
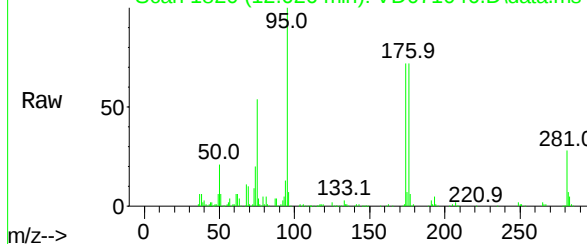
Tgt Ion: 75 Resp: 89118

Ion Ratio Lower Upper

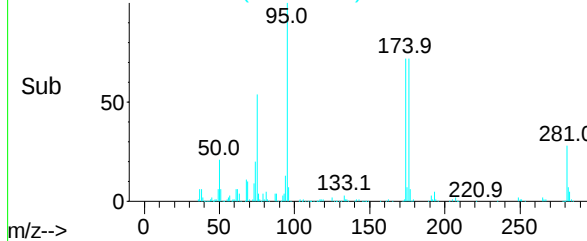
75 100

77 1.7 158.4 475.3#

Abundance Scan 1820 (12.626 min): VD071046.D\data.ms



Abundance Scan 1820 (12.626 min): VD071046.D\data.ms (-1796) (-)



Abundance Scan 1801 (12.514 min): VD070947.D\data.ms (-1781) (-)

trans-1,4-Dichloro-2-butene

Concen: 151.26 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.112 min

Lab File: VD071046.D

Acq: 16 Nov 2021 17:02

Tgt Ion: 75 Resp: 89118

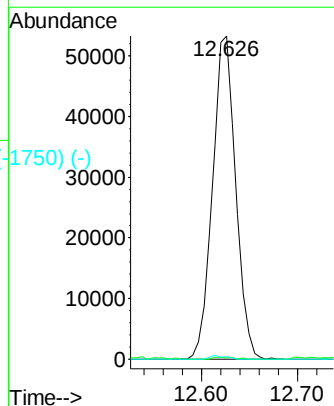
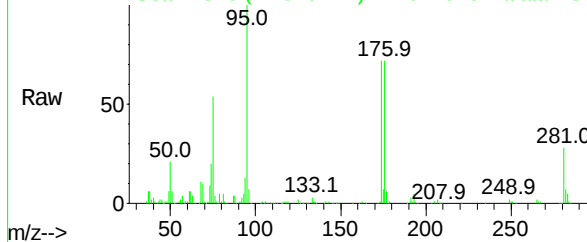
Ion Ratio Lower Upper

75 100

53 0.5 62.6 94.0#

89 0.7 34.5 51.7#

Abundance Scan 1820 (12.626 min): VD071046.D\data.ms



Abundance Scan 1820 (12.626 min): VD071046.D\data.ms (-1750) (-)

