

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120221\
 Data File : VD071113.D
 Acq On : 02 Dec 2021 12:45
 Operator : VA/SY
 Sample : VD1202SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 03 00:35:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

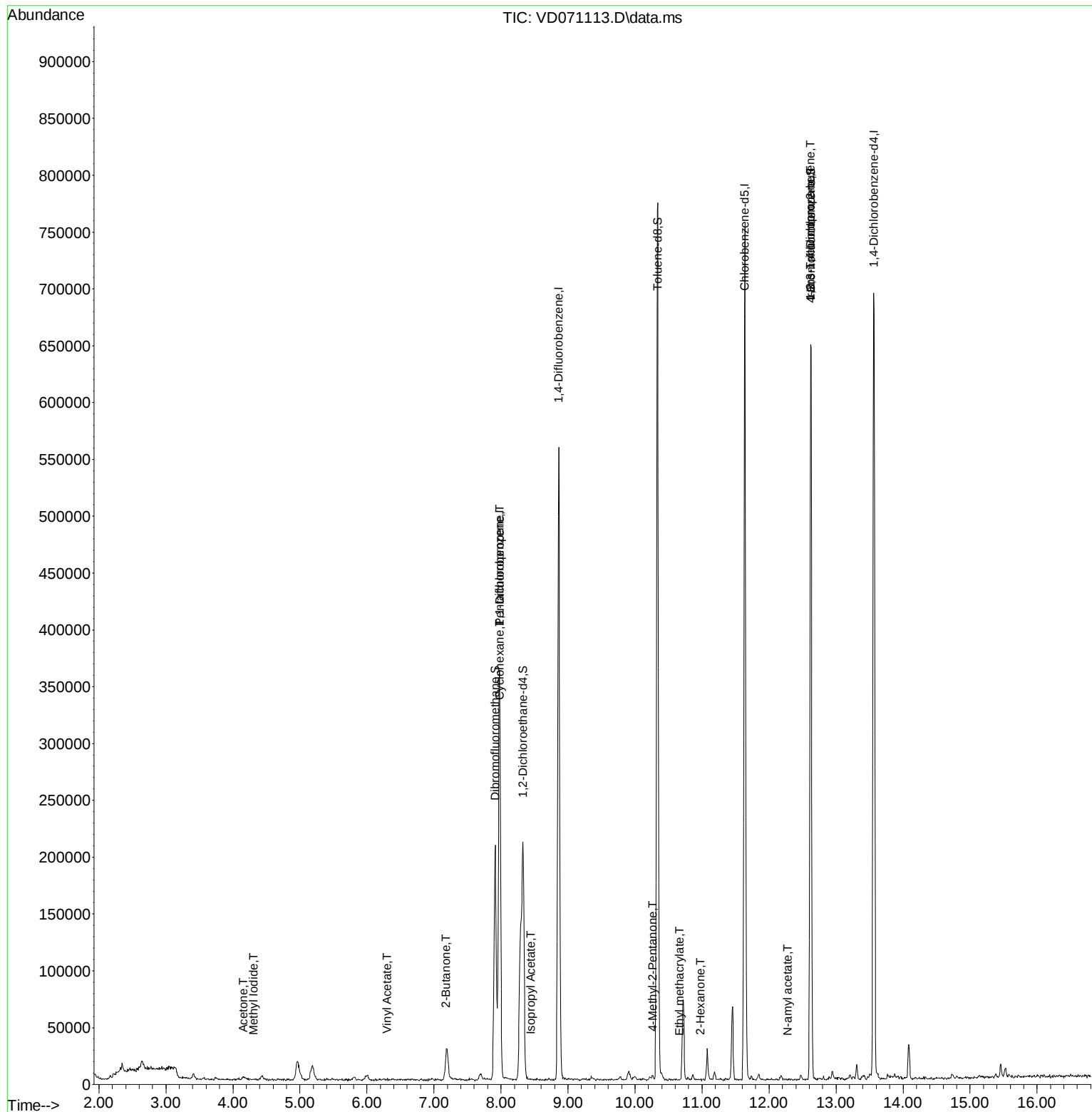
Internal Standards						
1) Pentafluorobenzene	7.979	168	252275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	443298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	399607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	175591	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152242	51.43	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	102.86%	
35) Dibromofluoromethane	7.914	113	144518	51.20	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	102.40%	
50) Toluene-d8	10.338	98	501160	46.65	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	93.30%	
62) 4-Bromofluorobenzene	12.626	95	175843	47.22	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	94.44%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	334	4.66	ug/l #	74
11) Tert butyl alcohol	5.179	59	7326	Below Cal	#	74
16) Acetone	4.156	43	4433	35.74	ug/l #	85
20) Methylene Chloride	4.962	84	11394	Below Cal		91
23) Vinyl Acetate	6.303	43	90	27.23	ug/l #	72
25) 2-Butanone	7.179	43	1486	29.81	ug/l	99
31) Cyclohexane	7.985	56	7580	1.51	ug/l #	50
36) 1,1-Dichloropropene	7.979	75	23603	5.70	ug/l #	49
41) Methacrylonitrile	7.520	41	60	Below Cal	#	16
43) Isopropyl Acetate	8.444	43	258	5.28	ug/l #	47
51) 4-Methyl-2-Pentanone	10.261	43	584	30.91	ug/l	98
56) Ethyl methacrylate	10.667	69	77	5.99	ug/l #	1
59) 2-Hexanone	10.979	43	158	34.66	ug/l	71
74) N-amyl acetate	12.279	43	458	5.82	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	98692	58.99	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	98692	127.82	ug/l #	18

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

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Abundance Scan 1031 (7.985 min): VD071075.D\data.ms (-1019) (-)

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Instrument :

MSVOA_D

ClientSampleId :

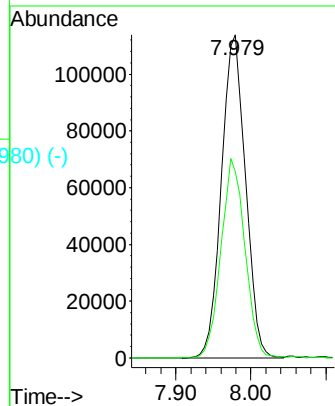
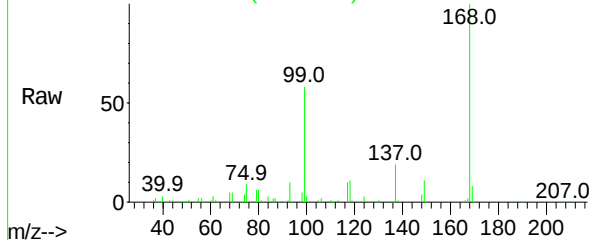
Tgt Ion:168 Resp: 252275

Ion Ratio Lower Upper

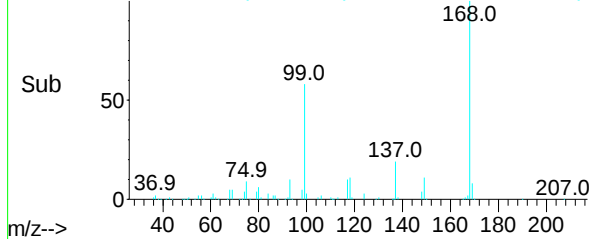
168 100

99 57.5 46.6 69.8

Abundance Scan 1030 (7.979 min): VD071113.D\data.ms



Abundance Scan 1030 (7.979 min): VD071113.D\data.ms (-980) (-)



Abundance Scan 405 (4.303 min): VD071075.D\data.ms (-393) (-)

Methyl Iodide

Concen: 4.66 ug/l

RT: 4.303 min Scan# 405

Delta R.T. -0.000 min

Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Tgt Ion:142 Resp: 334

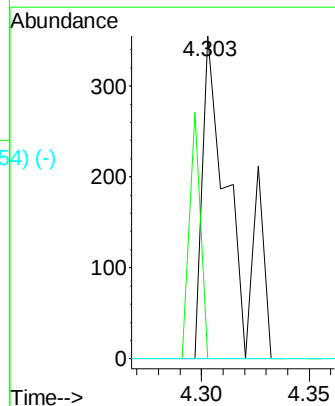
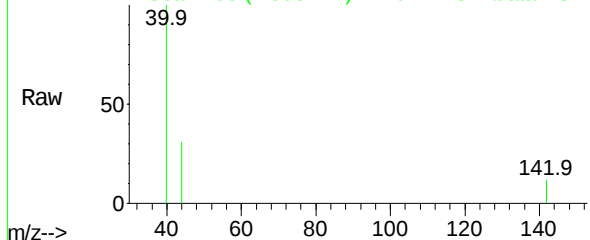
Ion Ratio Lower Upper

142 100

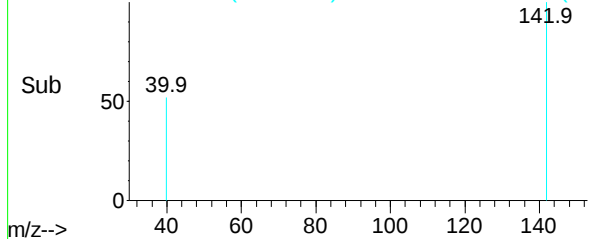
127 28.7 35.0 52.4#

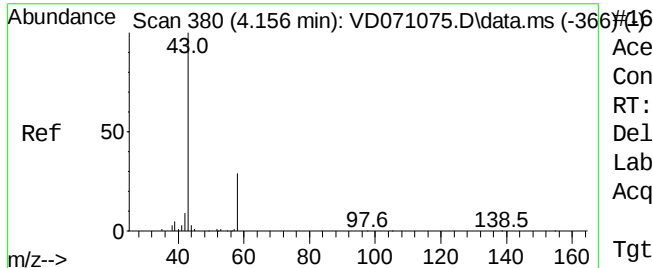
141 0.0 12.0 18.0#

Abundance Scan 405 (4.303 min): VD071113.D\data.ms



Abundance Scan 405 (4.303 min): VD071113.D\data.ms (-354) (-)





Acetone

Concen: 35.74 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Instrument :

MSVOA_D

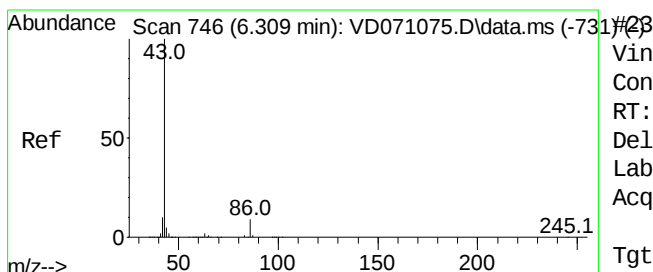
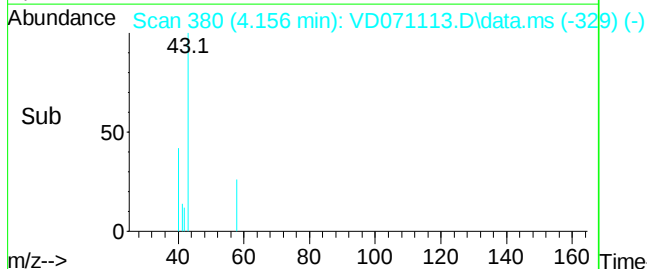
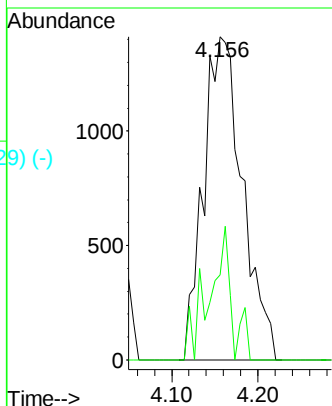
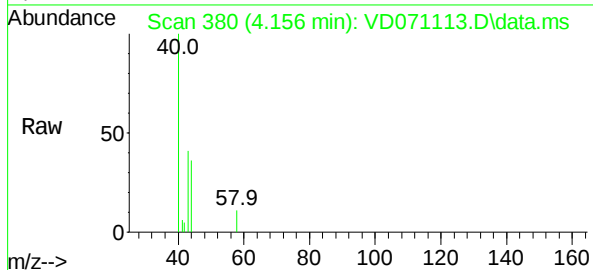
ClientSampleId :

Tgt Ion: 43 Resp: 4433

Ion Ratio Lower Upper

43 100

58 26.3 27.8 41.8#



Vinyl Acetate

Concen: 27.23 ug/l

RT: 6.303 min Scan# 745

Delta R.T. -0.006 min

Lab File: VD071113.D

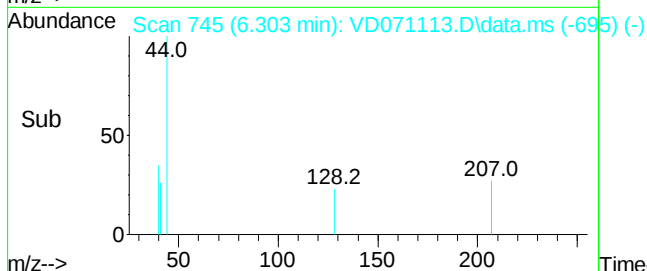
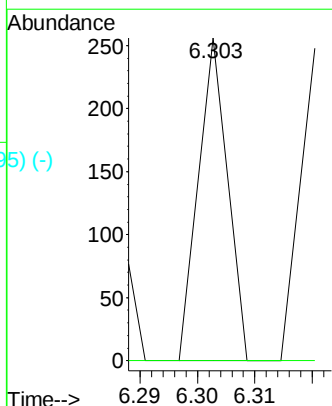
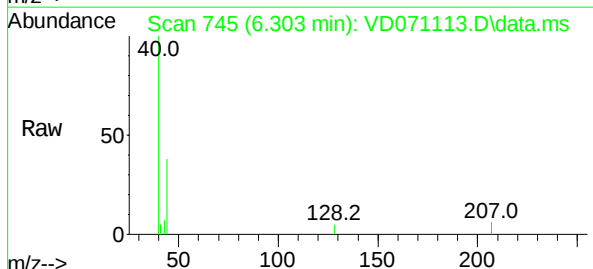
Acq: 02 Dec 2021 12:45

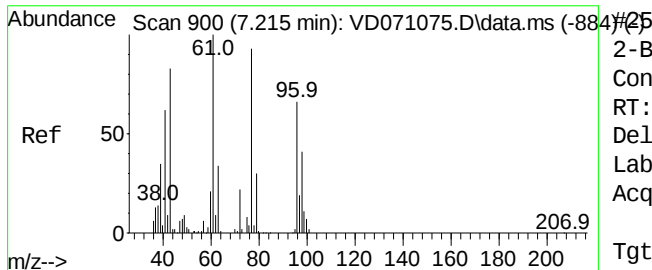
Tgt Ion: 43 Resp: 90

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#





2-Butanone

Concen: 29.81 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.036 min

Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Instrument :

MSVOA_D

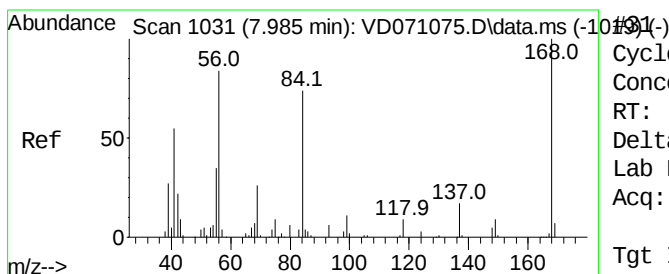
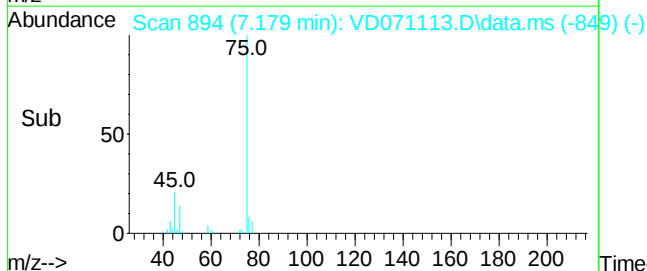
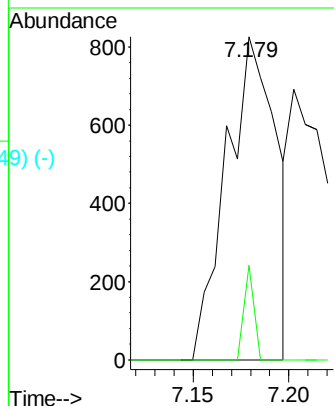
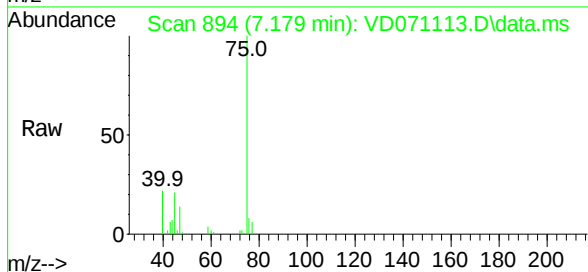
ClientSampleId :

Tgt Ion: 43 Resp: 1486

Ion Ratio Lower Upper

43 100

72 29.3 23.8 35.6



Cyclohexane

Concen: 1.51 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

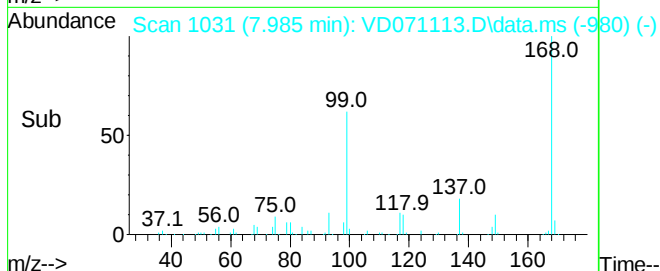
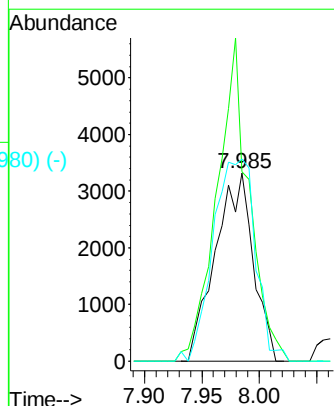
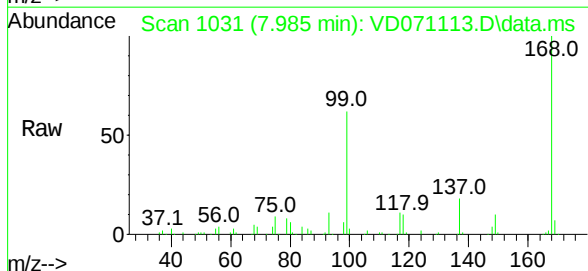
Tgt Ion: 56 Resp: 7580

Ion Ratio Lower Upper

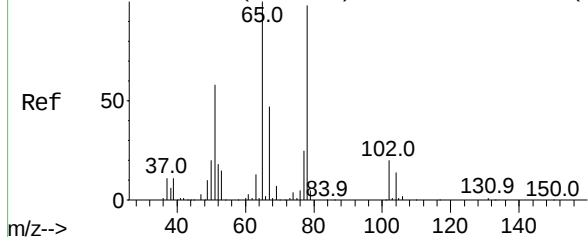
56 100

69 95.5 25.9 38.9#

84 102.2 64.3 96.5#



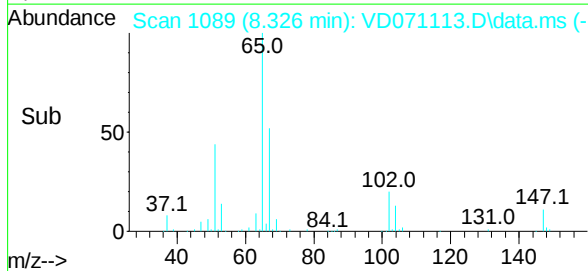
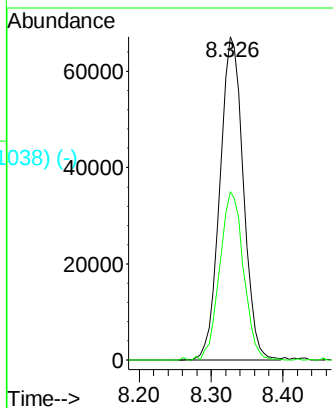
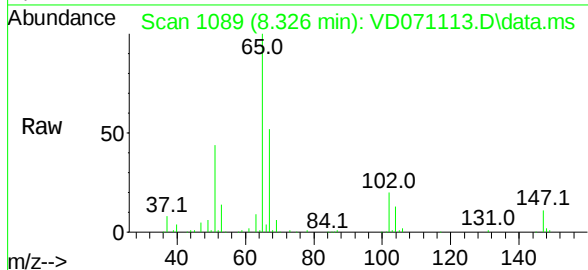
Abundance Scan 1089 (8.326 min): VD071075.D\data.ms (-1078)



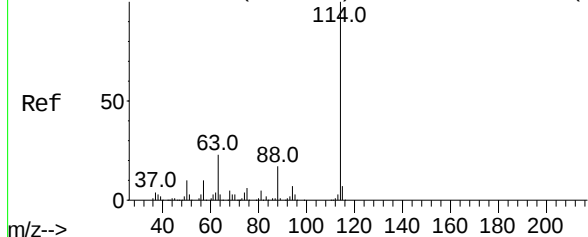
1,2-Dichloroethane-d4
Concen: 51.43 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071113.D
Acq: 02 Dec 2021 12:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 65 Resp: 152242
Ion Ratio Lower Upper
65 100
67 52.8 0.0 112.2

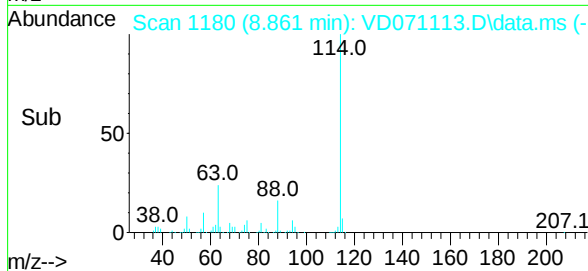
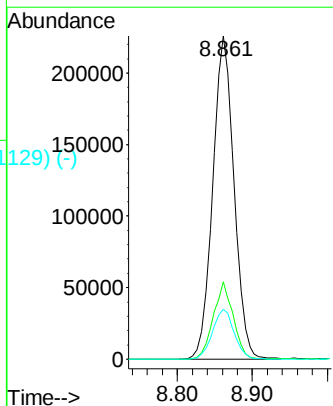
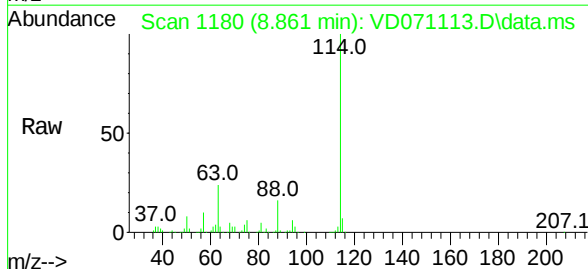


Abundance Scan 1180 (8.861 min): VD071075.D\data.ms (-1170)

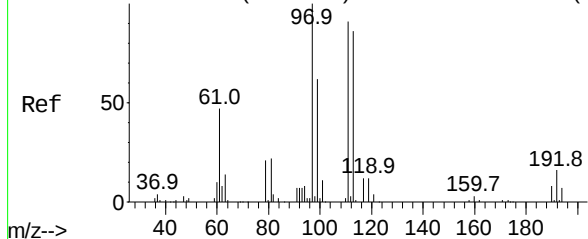


1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071113.D
Acq: 02 Dec 2021 12:45

Tgt Ion:114 Resp: 443298
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.8
88 15.5 0.0 32.8



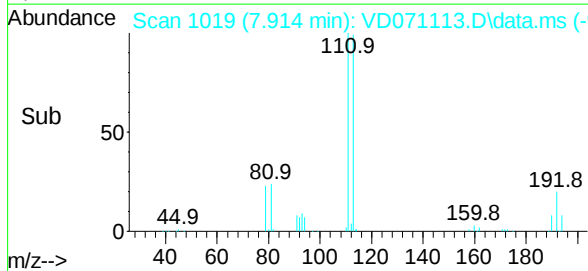
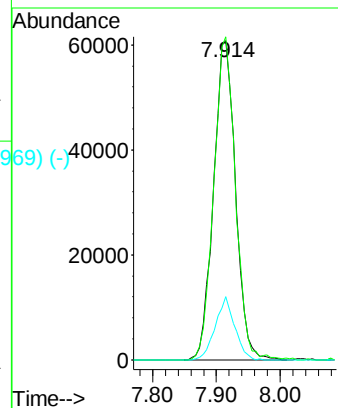
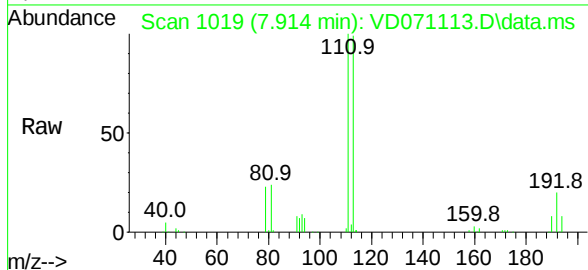
Abundance Scan 1020 (7.920 min): VD071075.D\data.ms (-1005) (-)



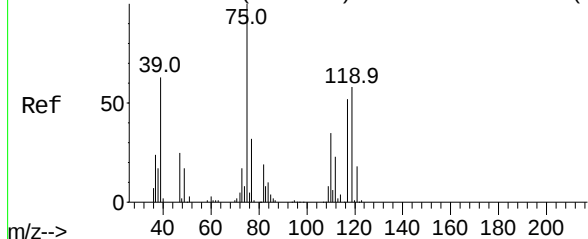
Dibromofluoromethane
Concen: 51.20 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071113.D
Acq: 02 Dec 2021 12:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 144518
Ion Ratio Lower Upper
113 100
111 99.6 82.0 123.0
192 17.5 15.2 22.8

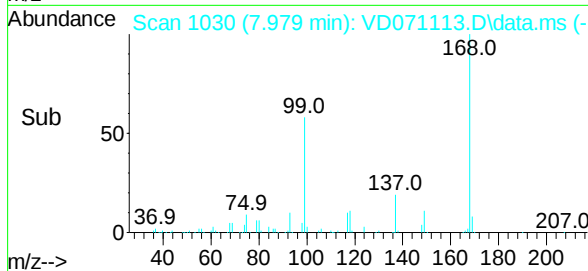
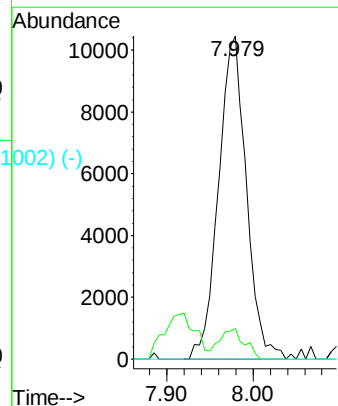
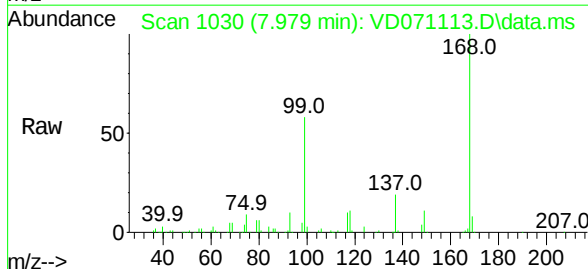


Abundance Scan 1053 (8.114 min): VD071075.D\data.ms (-1039) (-)

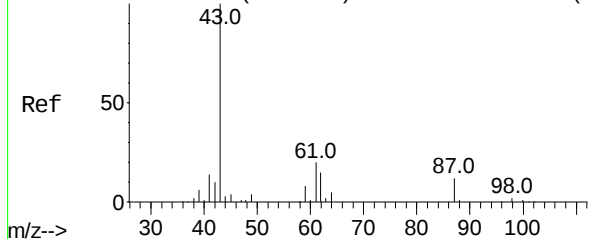


1,1-Dichloropropene
Concen: 5.70 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071113.D
Acq: 02 Dec 2021 12:45

Tgt Ion: 75 Resp: 23603
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.4#
77 0.0 24.8 37.2#



Abundance Scan 1110 (8.450 min): VD071075.D\data.ms (-1099) (-)



Isopropyl Acetate

Concen: 5.28 ug/l

RT: 8.444 min Scan# 1110

Delta R.T. -0.006 min

Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Instrument :

MSVOA_D

ClientSampleId :

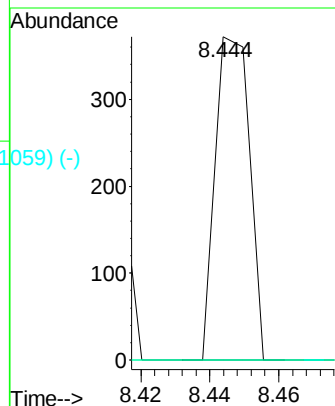
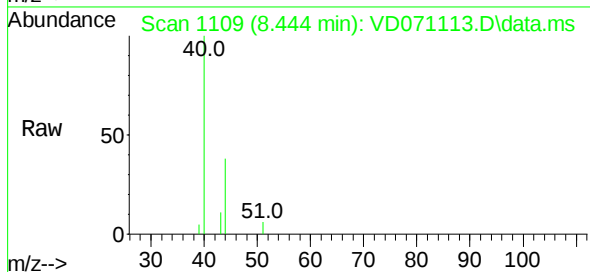
Tgt Ion: 43 Resp: 258

Ion Ratio Lower Upper

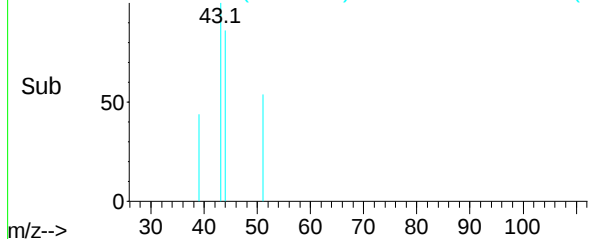
43 100

61 0.0 28.2 42.4#

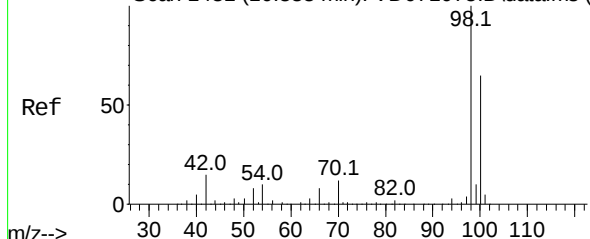
87 0.0 10.7 16.1#



Abundance Scan 1109 (8.444 min): VD071113.D\data.ms (-1059) (-)



Abundance Scan 1431 (10.338 min): VD071075.D\data.ms (-1450) (-)



Toluene-d8

Concen: 46.65 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071113.D

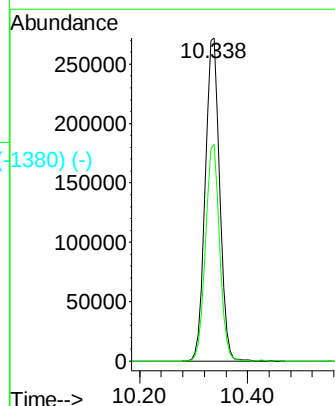
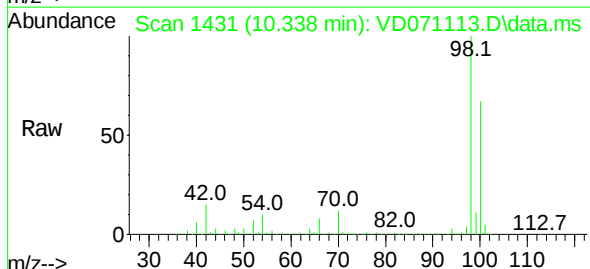
Acq: 02 Dec 2021 12:45

Tgt Ion: 98 Resp: 501160

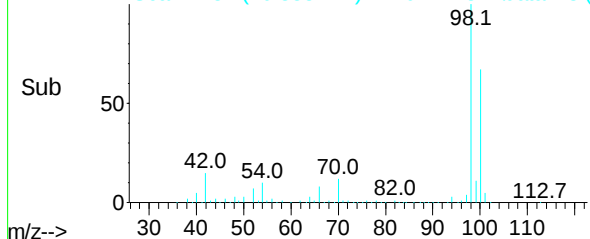
Ion Ratio Lower Upper

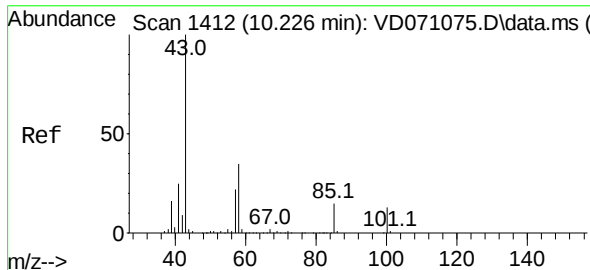
98 100

100 65.5 51.8 77.6



Abundance Scan 1431 (10.338 min): VD071113.D\data.ms (-1380) (-)

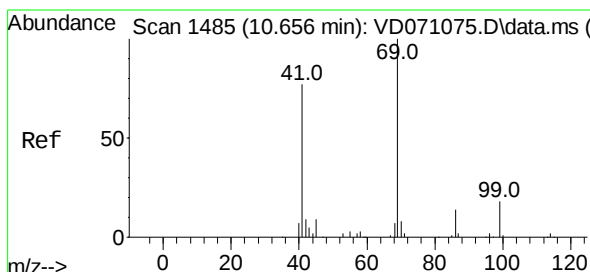
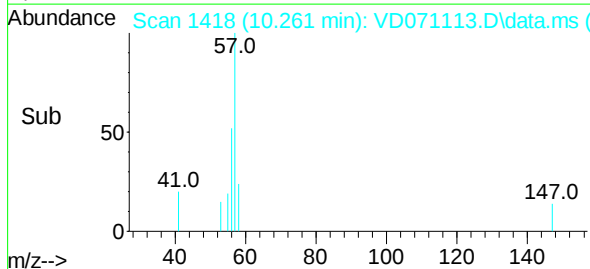
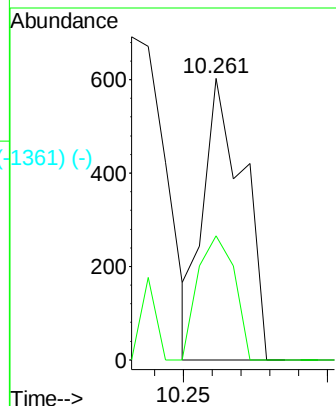
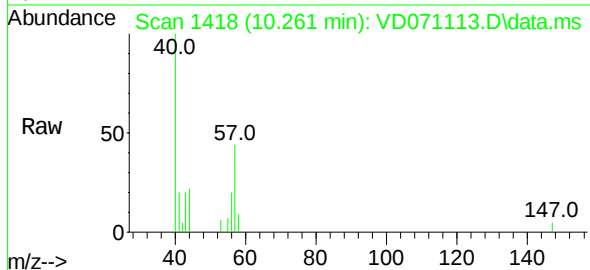




4-Methyl-2-Pentanone
 Concen: 30.91 ug/l
 RT: 10.261 min Scan# 1418
 Delta R.T. 0.035 min
 Lab File: VD071113.D
 Acq: 02 Dec 2021 12:45

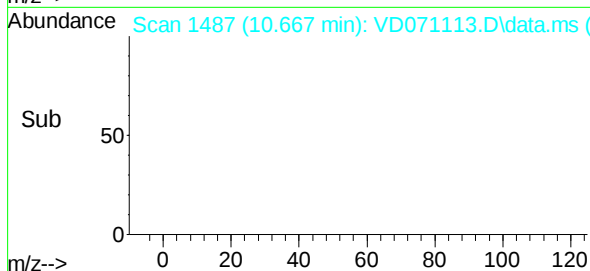
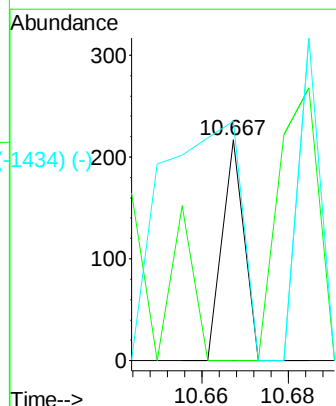
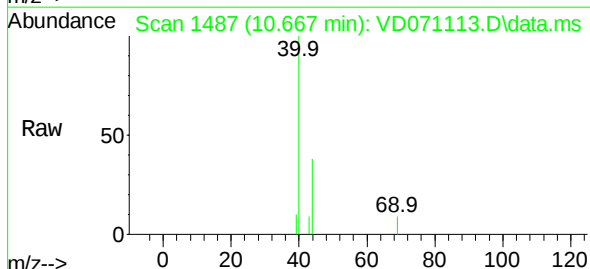
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 584
 Ion Ratio Lower Upper
 43 100
 58 40.2 33.1 49.7



Ethyl methacrylate
 Concen: 5.99 ug/l
 RT: 10.667 min Scan# 1487
 Delta R.T. 0.011 min
 Lab File: VD071113.D
 Acq: 02 Dec 2021 12:45

Tgt Ion: 69 Resp: 77
 Ion Ratio Lower Upper
 69 100
 41 0.0 50.2 75.2#
 39 389.6 19.8 29.8#



Abundance Scan 1540 (10.979 min): VD071075.D\data.ms (-1559) (-)

2-Hexanone

Concen: 34.66 ug/l

RT: 10.979 min Scan# 1540

Delta R.T. -0.000 min

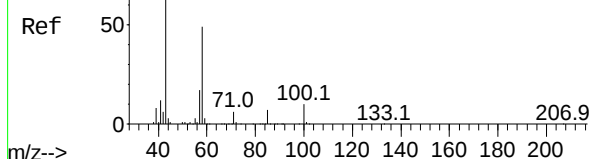
Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Instrument :

MSVOA_D

ClientSampleId :

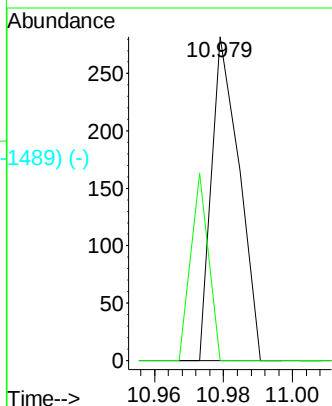
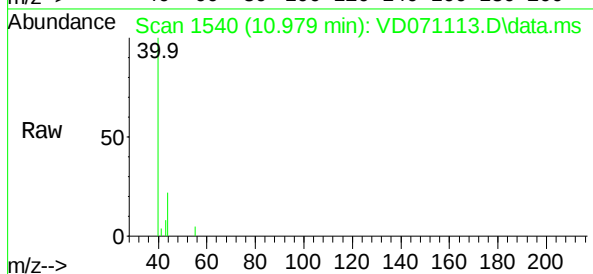


Tgt Ion: 43 Resp: 158

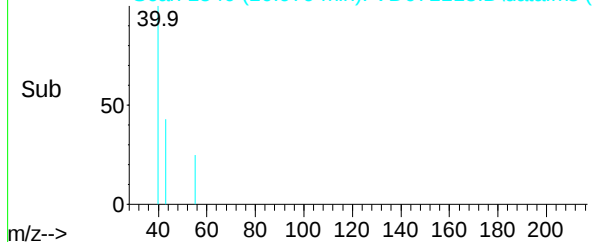
Ion Ratio Lower Upper

43 100

58 36.1 28.7 86.1



Abundance Scan 1540 (10.979 min): VD071113.D\data.ms (-1489) (-)



Abundance Scan 1820 (12.626 min): VD071075.D\data.ms (-1762) (-)

4-Bromofluorobenzene

Concen: 47.22 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

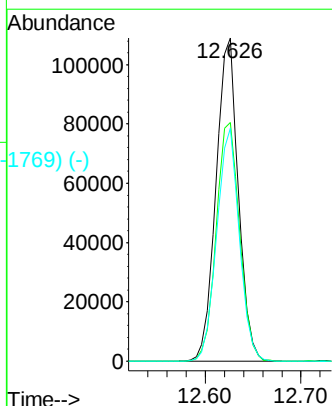
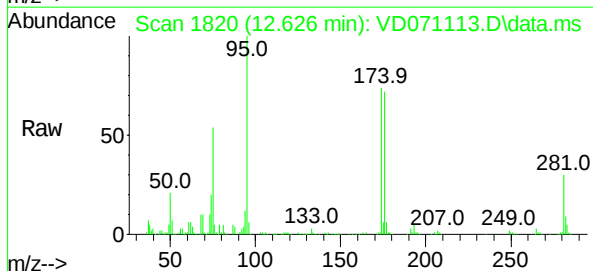
Tgt Ion: 95 Resp: 175843

Ion Ratio Lower Upper

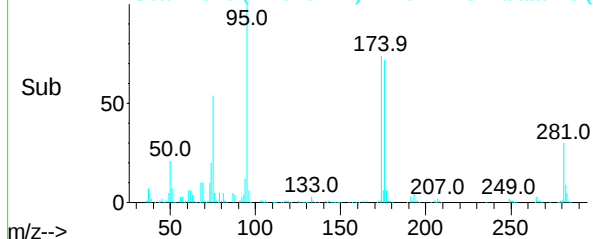
95 100

174 77.5 0.0 159.4

176 72.9 0.0 154.0



Abundance Scan 1820 (12.626 min): VD071113.D\data.ms (-1769) (-)



Abundance Scan 1652 (11.638 min): VD071075.D\data.ms (-1668) (-)

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. -0.000 min

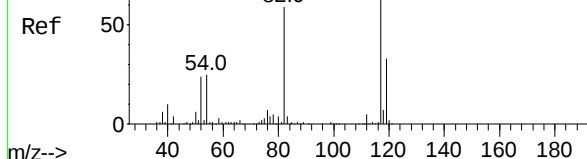
Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Instrument :

MSVOA_D

ClientSampleId :



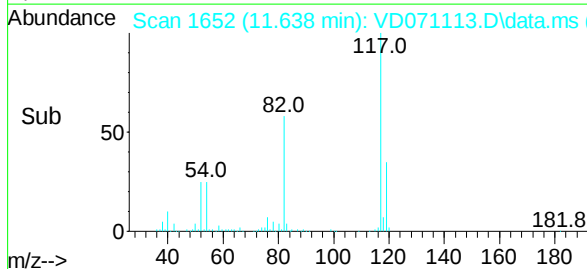
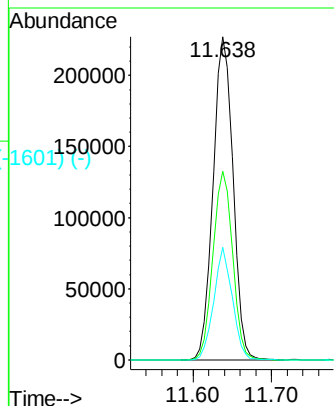
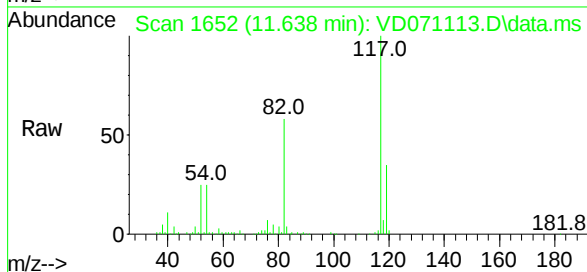
Tgt Ion:117 Resp: 399607

Ion Ratio Lower Upper

117 100

82 58.3 44.7 67.1

119 34.8 26.2 39.4



Abundance Scan 1980 (13.567 min): VD071075.D\data.ms (-1972) (-)

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

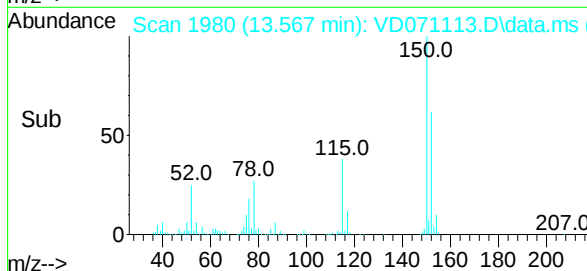
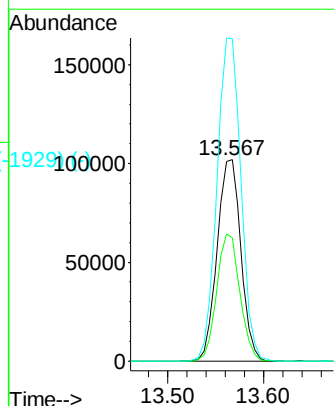
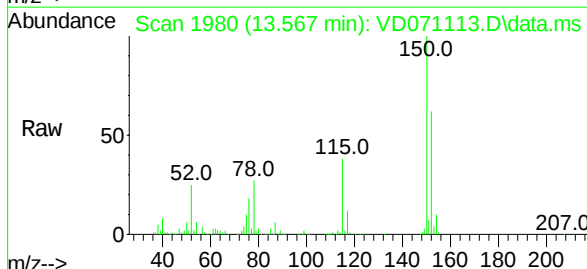
Tgt Ion:152 Resp: 175591

Ion Ratio Lower Upper

152 100

115 61.5 29.8 89.3

150 161.6 0.0 349.2



Abundance Scan 1761 (12.279 min): VD071075.D\data.ms (-1774) (-)

N-amy1 acetate

Concen: 5.82 ug/l

RT: 12.279 min Scan# 1761

Delta R.T. -0.000 min

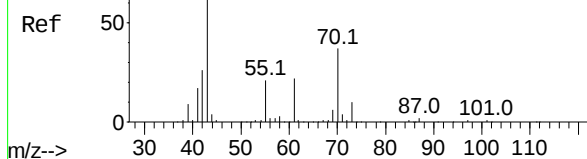
Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 458

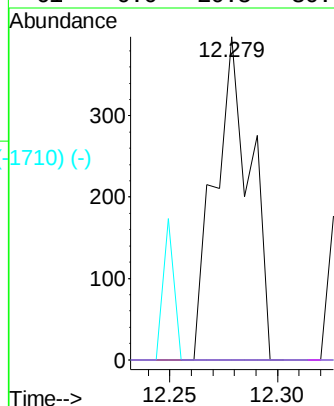
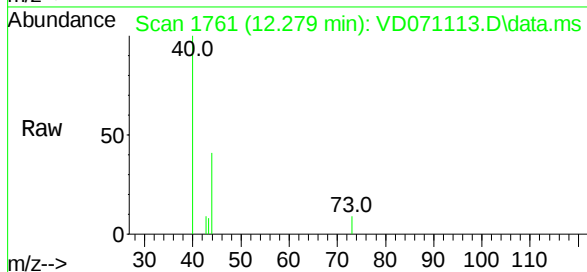
Ion Ratio Lower Upper

43 100

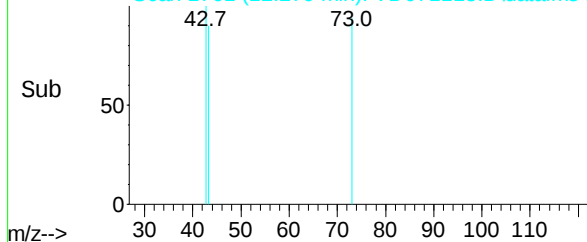
70 0.0 36.6 55.0#

55 0.0 22.5 33.7#

61 0.0 20.5 30.7#



Abundance Scan 1761 (12.279 min): VD071113.D\data.ms (-1710) (-)



Abundance Scan 1845 (12.773 min): VD071075.D\data.ms (-1876) (-)

1,2,3-Trichloropropane

Concen: 58.99 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD071113.D

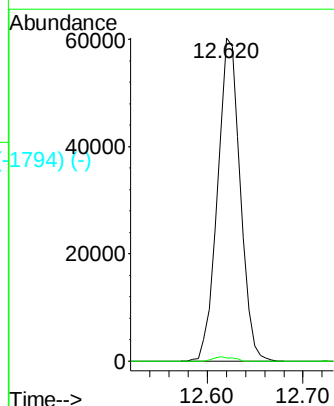
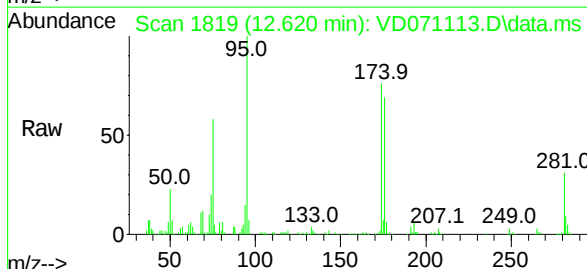
Acq: 02 Dec 2021 12:45

Tgt Ion: 75 Resp: 98692

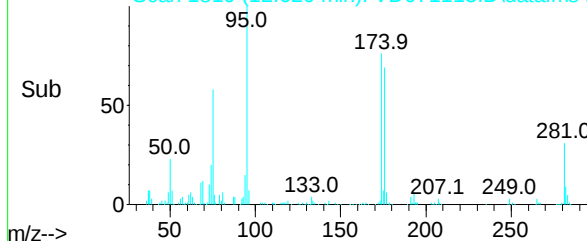
Ion Ratio Lower Upper

75 100

77 1.2 158.4 475.3#



Abundance Scan 1819 (12.620 min): VD071113.D\data.ms (-1794) (-)



Abundance Scan 1802 (12.520 min): VD071075.D\data.ms (-1751) (-)

trans-1,4-Dichloro-2-butene

Concen: 127.82 ug/l

RT: 12.620 min Scan# 1

Delta R.T. 0.100 min

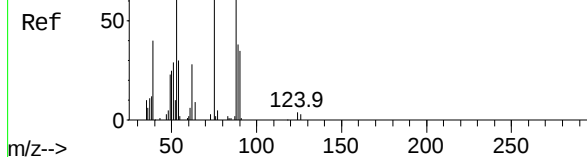
Lab File: VD071113.D

Acq: 02 Dec 2021 12:45

Instrument :

MSVOA_D

ClientSampleId :



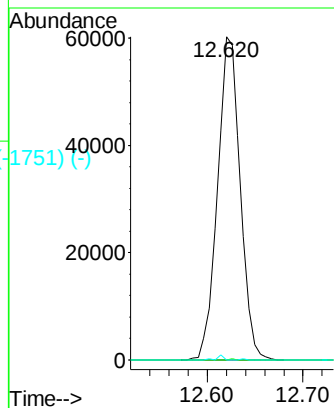
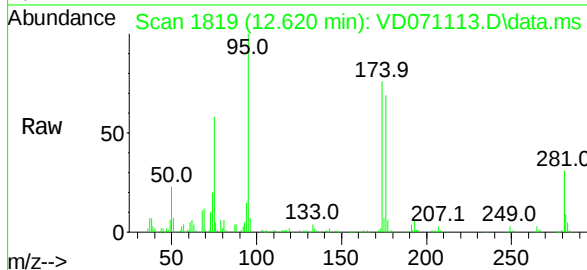
Tgt Ion: 75 Resp: 98692

Ion Ratio Lower Upper

75 100

53 0.1 62.6 94.0#

89 0.4 34.5 51.7#



Abundance Scan 1819 (12.620 min): VD071113.D\data.ms (-1751) (-)

