

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120221\
 Data File : VD071123.D
 Acq On : 02 Dec 2021 17:38
 Operator : VA/SY
 Sample : M4891-01RE
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 03 00:40:35 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)

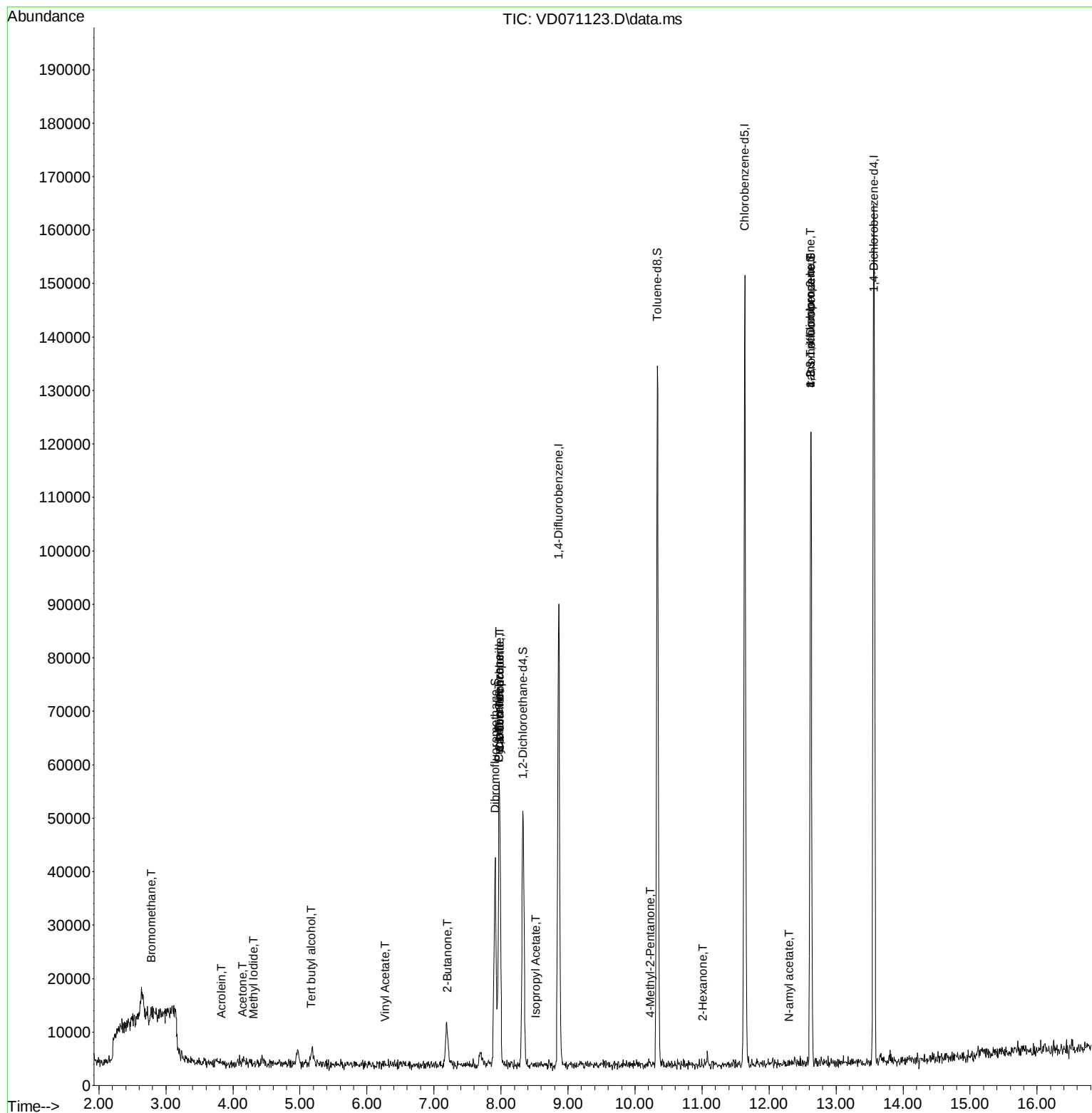
Internal Standards						
1) Pentafluorobenzene	7.967	168	37178	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.861	114	66783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	80010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	40114	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	35340	81.01	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	162.02%	
35) Dibromofluoromethane	7.914	113	26427	62.14	ug/l	0.00
Spiked Amount 50.000	Range 54	- 147	Recovery	=	124.28%	
50) Toluene-d8	10.332	98	85007	52.53	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.626	95	38971	69.47	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	138.94%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	400	1.19	ug/l	97
10) Methyl Iodide	4.309	142	54	4.67	ug/l #	40
11) Tert butyl alcohol	5.173	59	3009	36.67	ug/l #	71
13) Acrolein	3.832	56	92	3.09	ug/l #	13
16) Acetone	4.144	43	1050	38.74	ug/l	90
20) Methylene Chloride	4.979	84	1643	Below Cal	#	51
23) Vinyl Acetate	6.273	43	73	27.31	ug/l #	72
25) 2-Butanone	7.203	43	519	31.80	ug/l #	45
31) Cyclohexane	7.967	56	1225	1.65	ug/l #	74
36) 1,1-Dichloropropene	7.979	75	3765	6.03	ug/l #	45
38) Carbon Tetrachloride	7.979	117	4584	7.45	ug/l #	21
41) Methacrylonitrile	7.573	41	71	Below Cal	#	41
43) Isopropyl Acetate	8.520	43	186	5.50	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	338	31.63	ug/l #	34
59) 2-Hexanone	11.008	43	78	34.87	ug/l #	22
74) N-amyl acetate	12.296	43	145	5.86	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	21377	55.93	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	21377	121.49	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: 7.967 min Scan# 1031

Delta R.T. -0.018 min

Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

Instrument :

MSVOA_D

ClientSampleId :

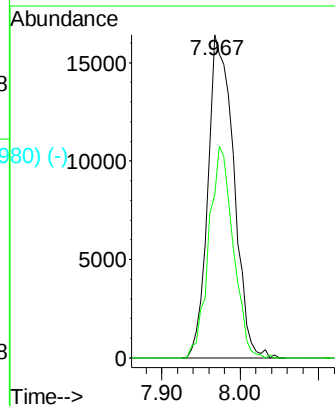
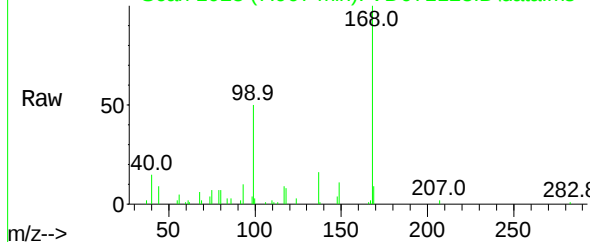
Tgt Ion:168 Resp: 37178

Ion Ratio Lower Upper

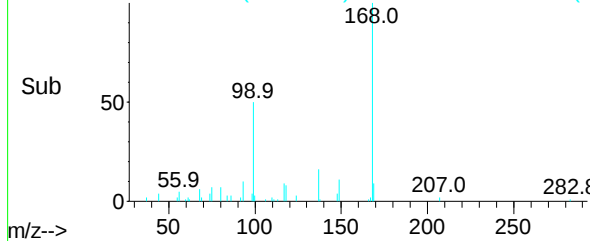
168 100

99 50.5 46.6 69.8

Abundance Scan 1028 (7.967 min): VD071123.D\data.ms



Abundance Scan 1028 (7.967 min): VD071123.D\data.ms (-980) (-)



Abundance Scan 146 (2.779 min): VD071075.D\data.ms (-137) (-)

Bromomethane

Concen: 1.19 ug/l

RT: 2.779 min Scan# 146

Delta R.T. 0.000 min

Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

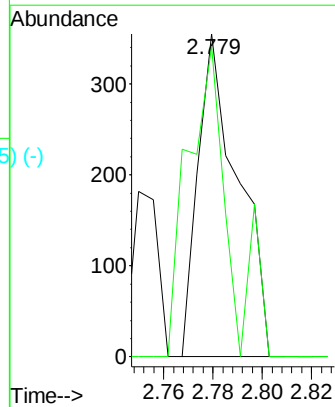
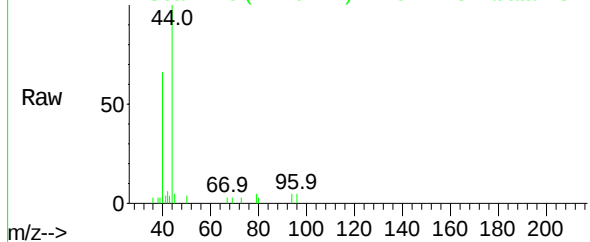
Tgt Ion: 94 Resp: 400

Ion Ratio Lower Upper

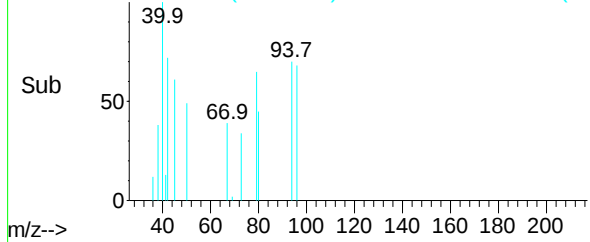
94 100

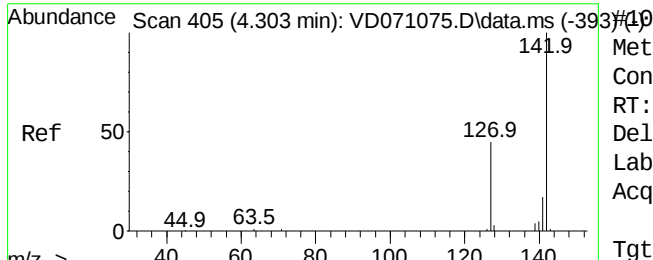
96 96.3 74.8 112.2

Abundance Scan 146 (2.779 min): VD071123.D\data.ms



Abundance Scan 146 (2.779 min): VD071123.D\data.ms (-95) (-)





Methyl Iodide

Concen: 4.67 ug/l

RT: 4.309 min Scan# 4

Delta R.T. 0.006 min

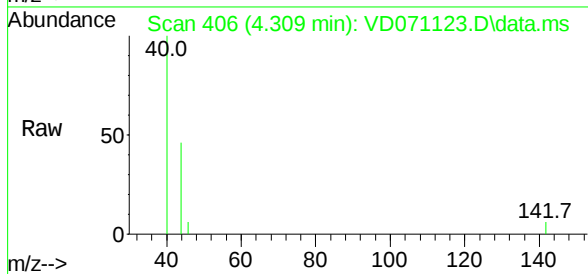
Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

Instrument :

MSVOA_D

ClientSampleId :



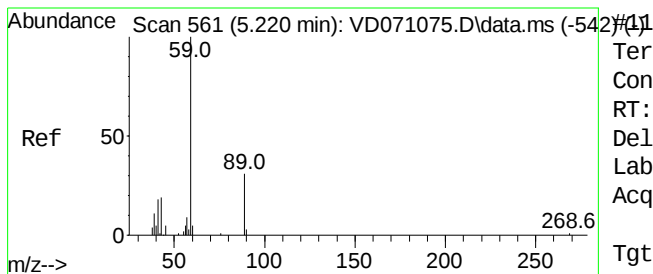
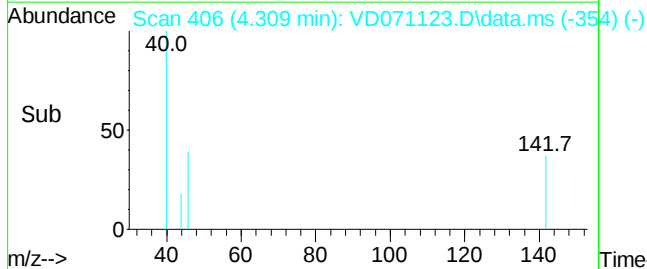
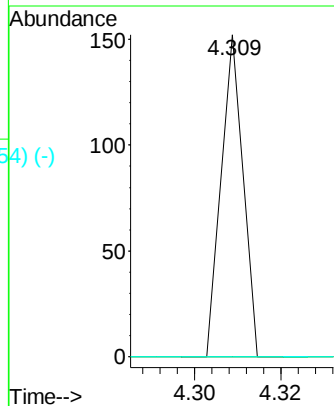
Tgt Ion:142 Resp: 54

Ion Ratio Lower Upper

142 100

127 0.0 35.0 52.4#

141 0.0 12.0 18.0#



Tert butyl alcohol

Concen: 36.67 ug/l

RT: 5.173 min Scan# 553

Delta R.T. -0.047 min

Lab File: VD071123.D

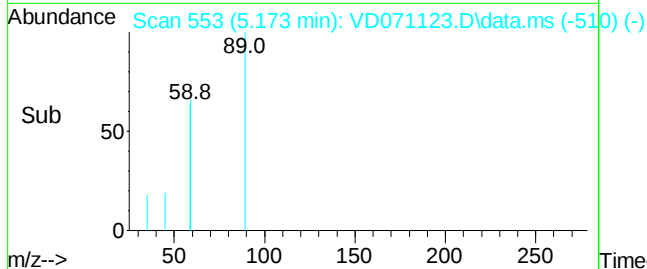
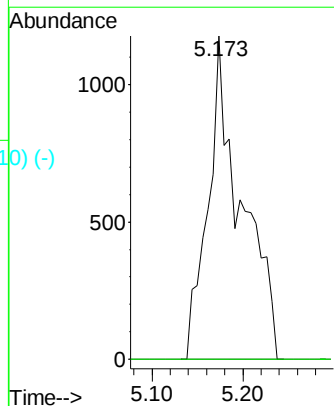
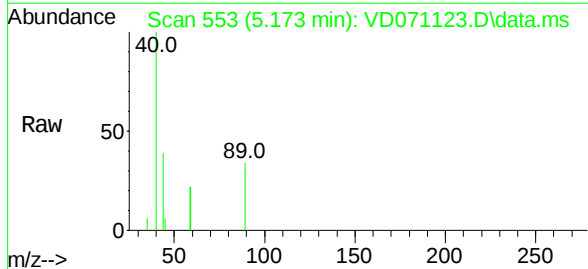
Acq: 02 Dec 2021 17:38

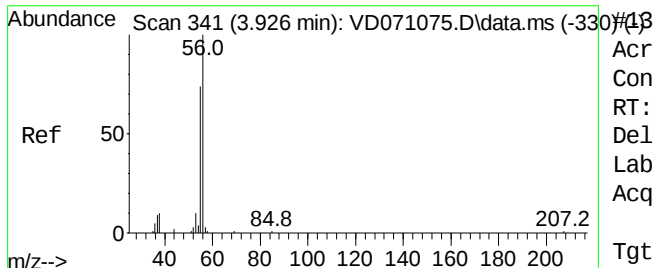
Tgt Ion: 59 Resp: 3009

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#





Acrolein

Concen: 3.09 ug/l

RT: 3.832 min Scan# 378

Delta R.T. -0.094 min

Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

Instrument :

MSVOA_D

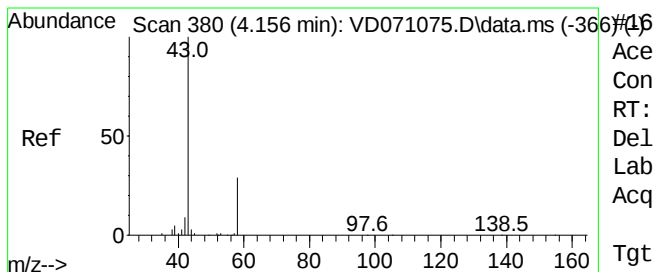
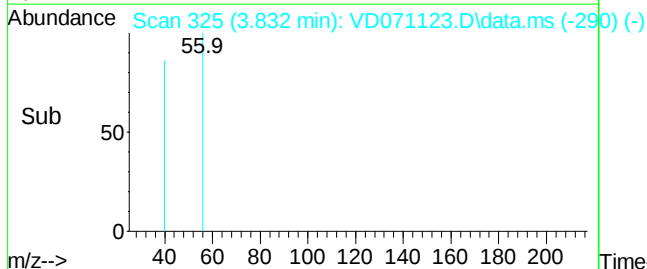
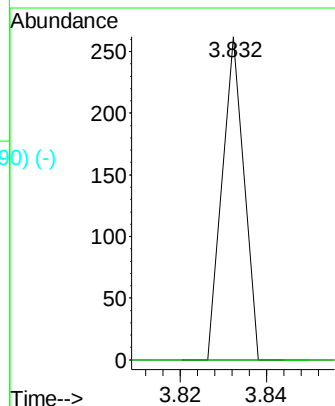
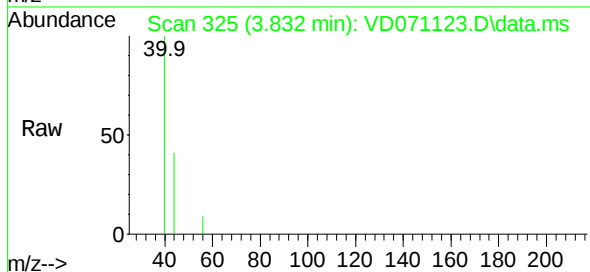
ClientSampleId :

Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#



Acetone

Concen: 38.74 ug/l

RT: 4.144 min Scan# 378

Delta R.T. -0.012 min

Lab File: VD071123.D

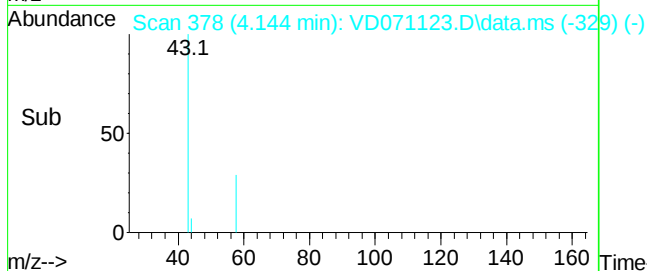
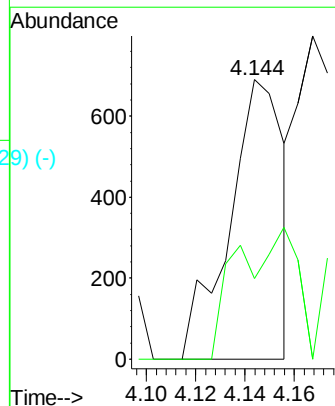
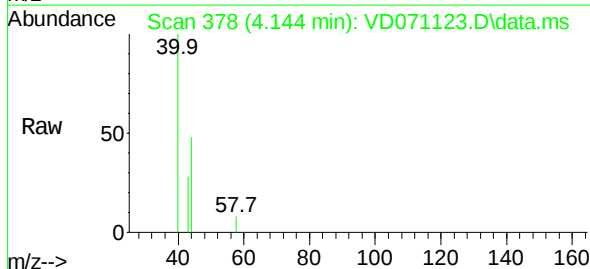
Acq: 02 Dec 2021 17:38

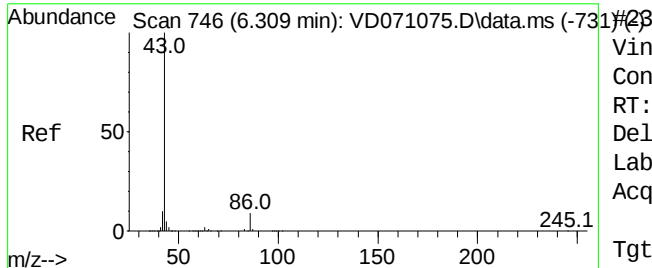
Tgt Ion: 43 Resp: 1050

Ion Ratio Lower Upper

43 100

58 28.8 27.8 41.8





Vinyl Acetate

Concen: 27.31 ug/l

RT: 6.273 min Scan#

Delta R.T. -0.036 min

Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

Instrument :

MSVOA_D

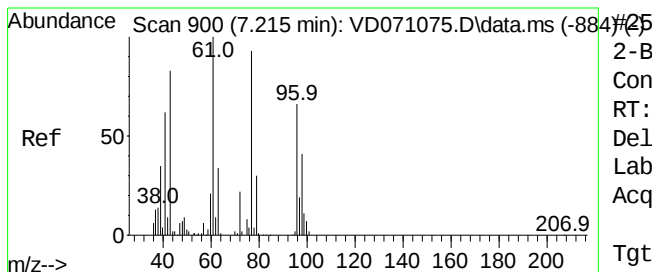
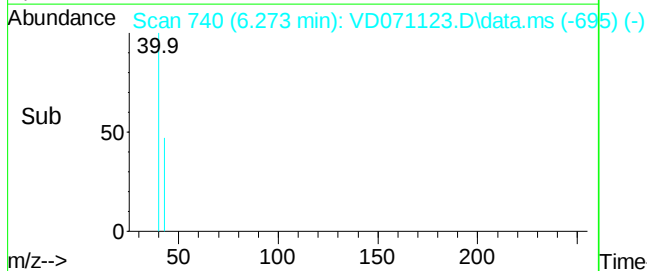
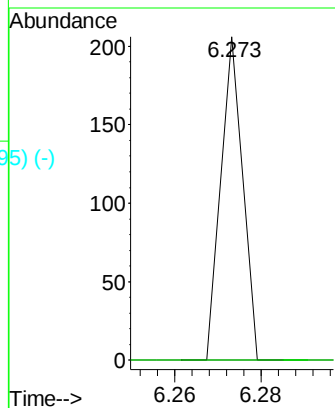
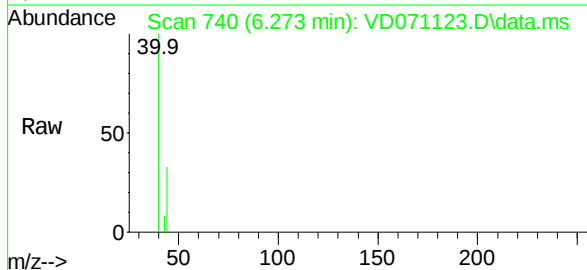
ClientSampleId :

Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#



2-Butanone

Concen: 31.80 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.012 min

Lab File: VD071123.D

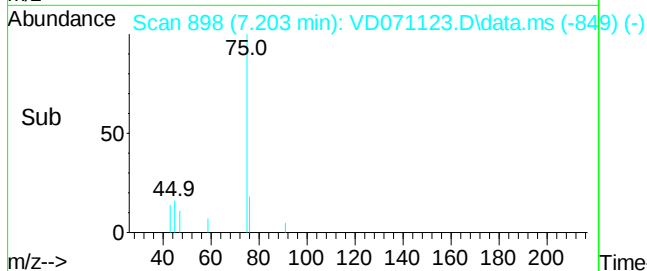
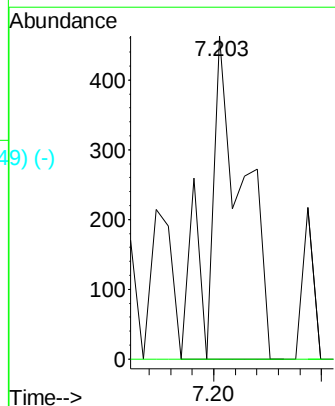
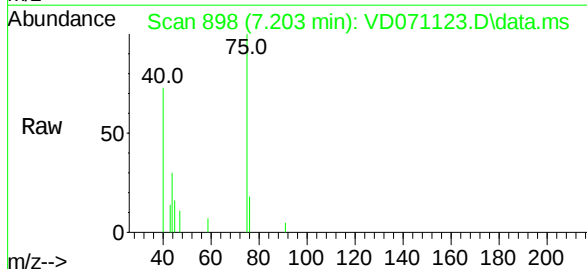
Acq: 02 Dec 2021 17:38

Tgt Ion: 43 Resp: 519

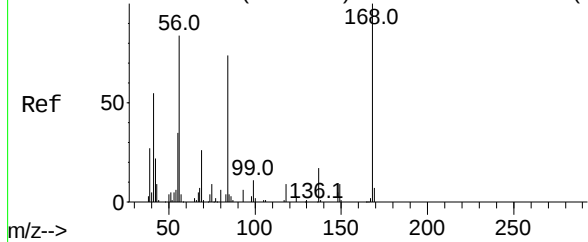
Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



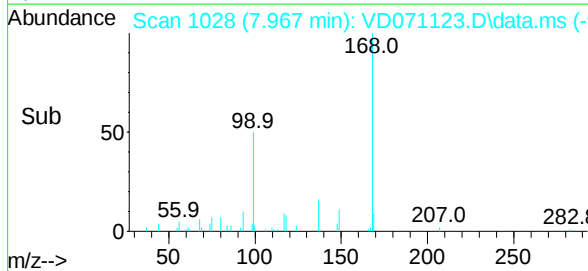
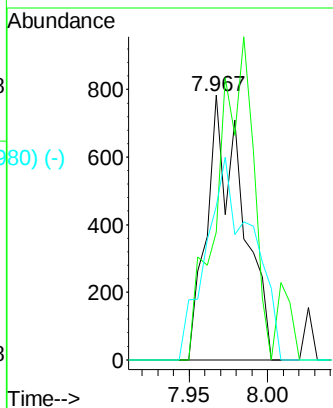
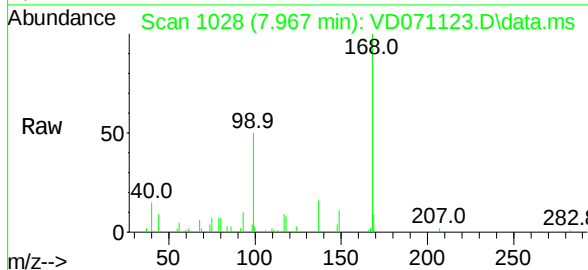
Abundance Scan 1031 (7.985 min): VD071075.D\data.ms (-1091)



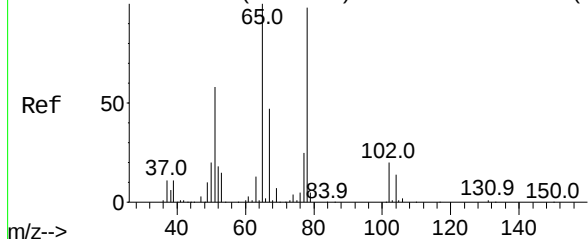
Cyclohexane
Concen: 1.65 ug/l
RT: 7.967 min Scan# 1031
Delta R.T. -0.018 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 1225
Ion Ratio Lower Upper
56 100
69 48.4 25.9 38.9#
84 58.0 64.3 96.5#

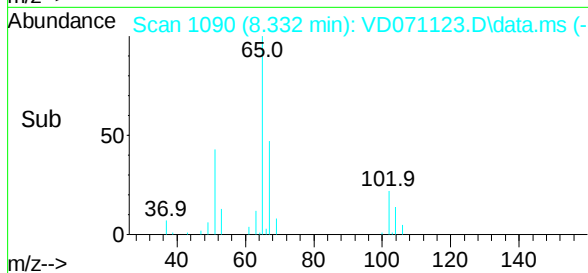
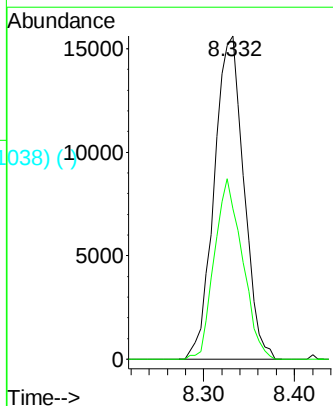
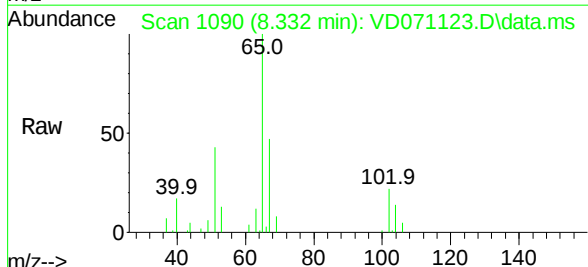


Abundance Scan 1089 (8.326 min): VD071075.D\data.ms (-1093)

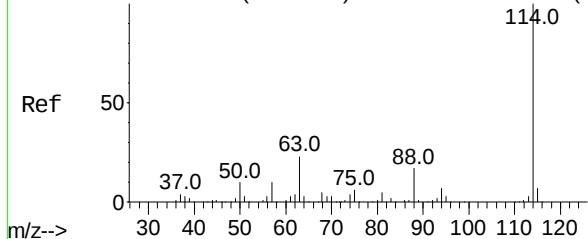


1,2-Dichloroethane-d4
Concen: 81.01 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

Tgt Ion: 65 Resp: 35340
Ion Ratio Lower Upper
65 100
67 53.1 0.0 112.2



Abundance Scan 1180 (8.861 min): VD071075.D\data.ms (-11704)



1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan#

Delta R.T. 0.000 min

Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

Instrument :

MSVOA_D

ClientSampleId :

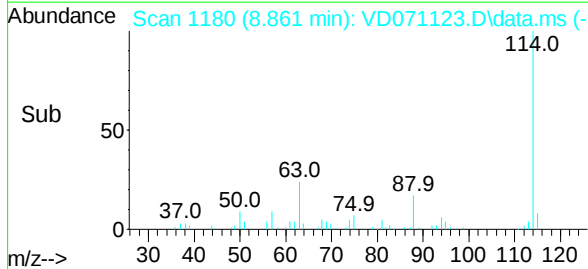
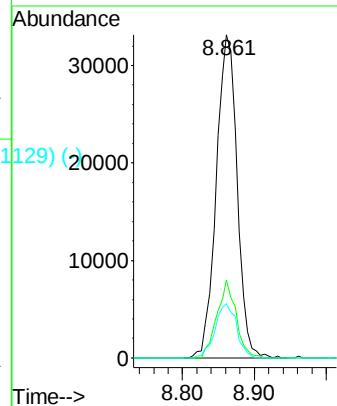
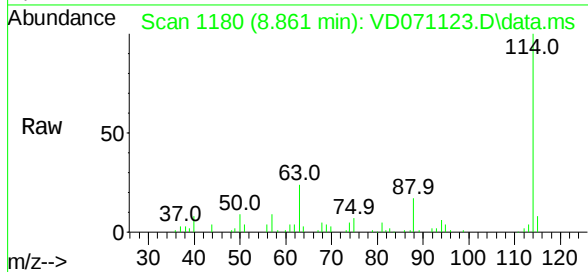
Tgt Ion:114 Resp: 66783

Ion Ratio Lower Upper

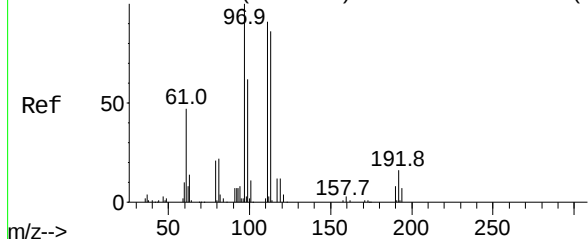
114 100

63 24.1 0.0 41.8

88 16.9 0.0 32.8



Abundance Scan 1020 (7.920 min): VD071075.D\data.ms (-10095)



Dibromofluoromethane

Concen: 62.14 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

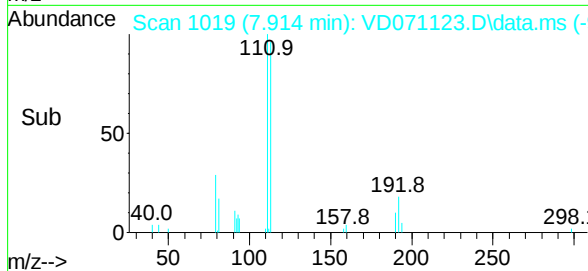
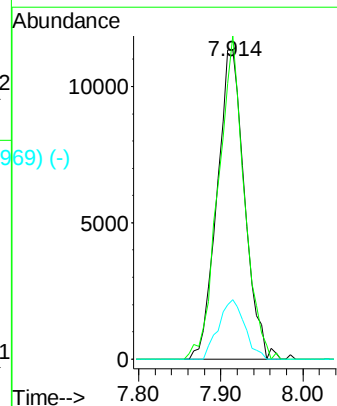
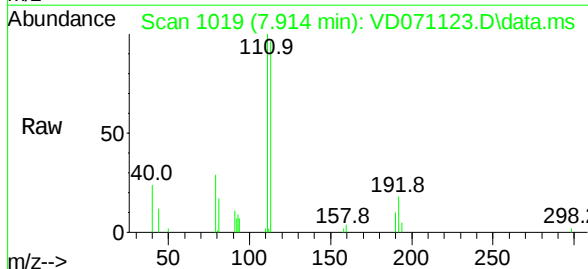
Tgt Ion:113 Resp: 26427

Ion Ratio Lower Upper

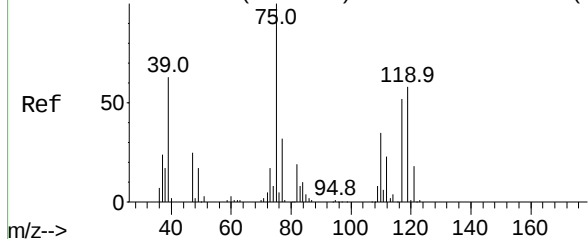
113 100

111 98.8 82.0 123.0

192 18.3 15.2 22.8



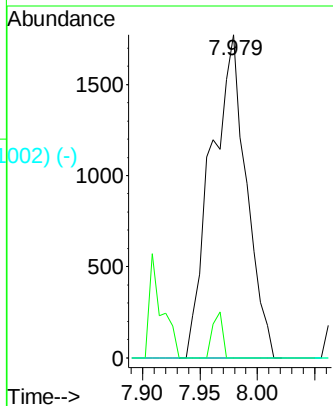
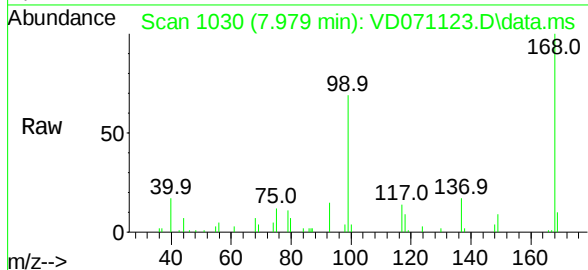
Abundance Scan 1053 (8.114 min): VD071075.D\data.ms (-1039)



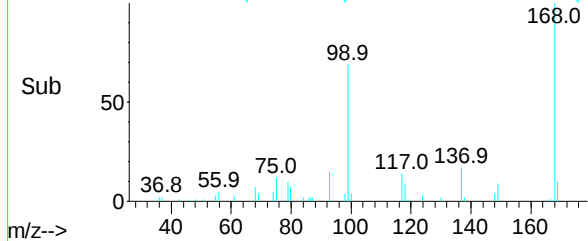
1,1-Dichloropropene
Concen: 6.03 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

Instrument :
MSVOA_D
ClientSampleId :

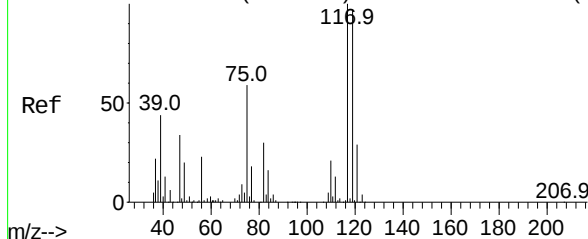
Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.1	17.8	53.4#
77	0.0	24.8	37.2#



Abundance Scan 1030 (7.979 min): VD071123.D\data.ms (-1002)

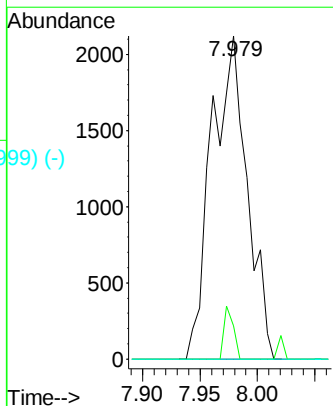
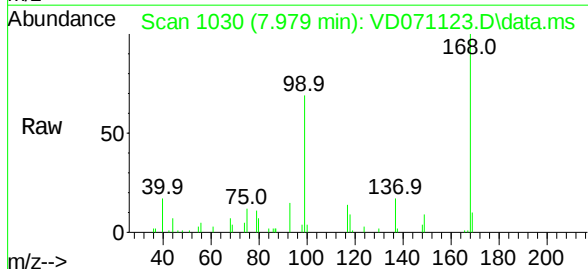


Abundance Scan 1050 (8.097 min): VD071075.D\data.ms (-1039)

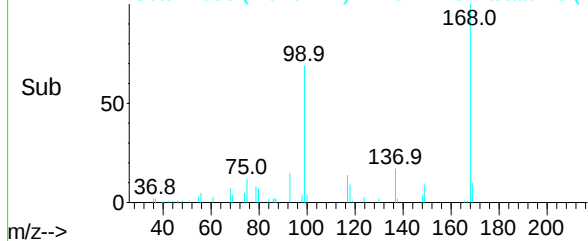


Carbon Tetrachloride
Concen: 7.45 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

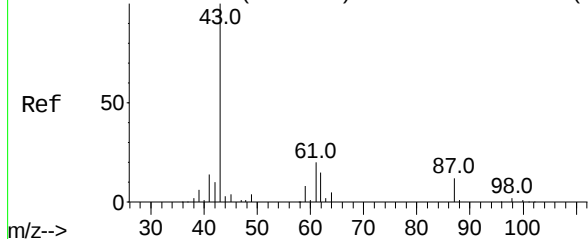
Tgt Ion	Ratio	Lower	Upper
117	100		
119	10.2	75.8	113.6#
121	0.0	23.6	35.4#



Abundance Scan 1030 (7.979 min): VD071123.D\data.ms (-999)



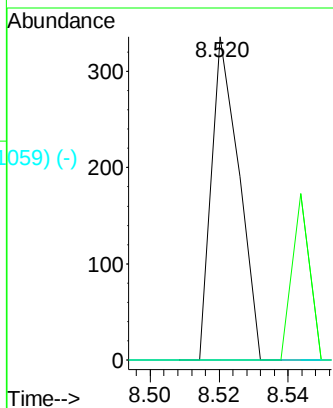
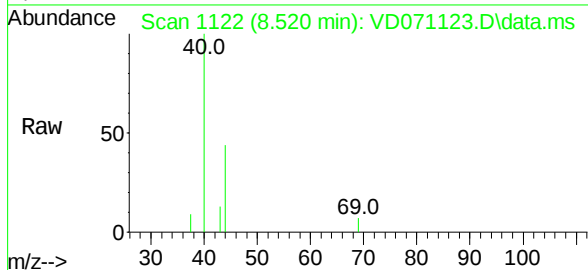
Abundance Scan 1110 (8.450 min): VD071075.D\data.ms (-1099) (-)



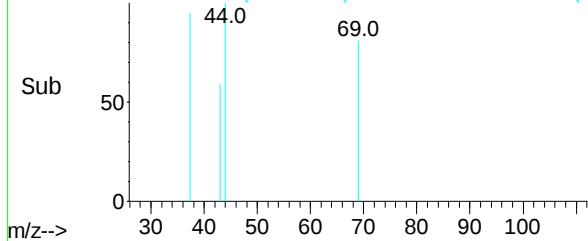
Isopropyl Acetate
Concen: 5.50 ug/l
RT: 8.520 min Scan# 1110
Delta R.T. 0.070 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

Instrument :
MSVOA_D
ClientSampleId :

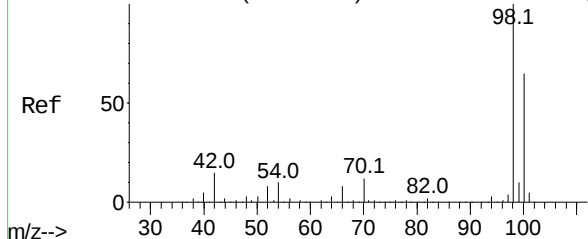
Tgt Ion:	43	Resp:	186
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#



Abundance Scan 1122 (8.520 min): VD071123.D\data.ms (-1059) (-)

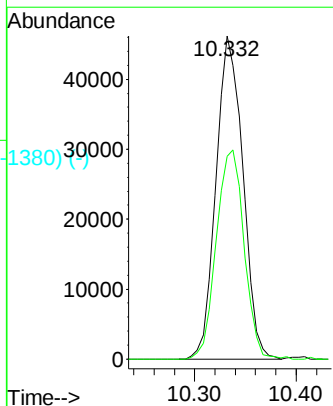
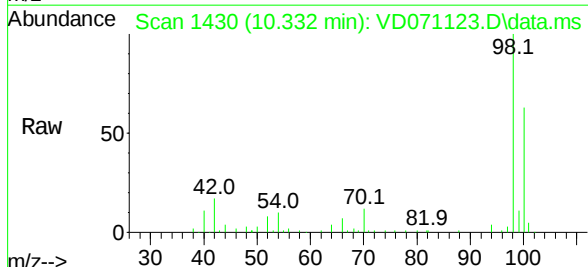


Abundance Scan 1431 (10.338 min): VD071075.D\data.ms (-1450) (-)

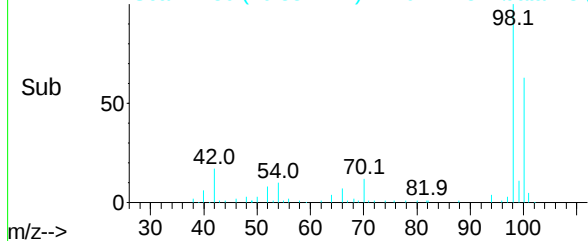


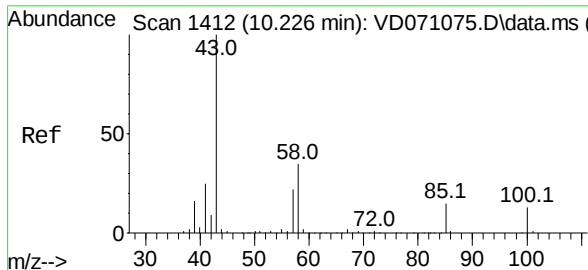
Toluene-d8
Concen: 52.53 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

Tgt Ion:	98	Resp:	85007
Ion	Ratio	Lower	Upper
98	100		
100	67.0	51.8	77.6



Abundance Scan 1430 (10.332 min): VD071123.D\data.ms (-1380) (-)

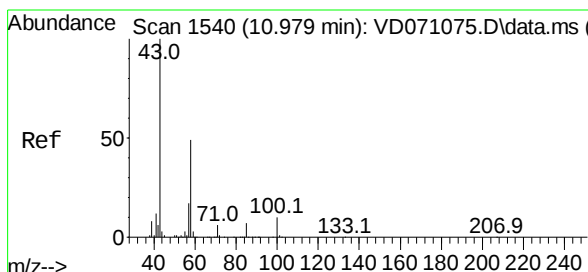
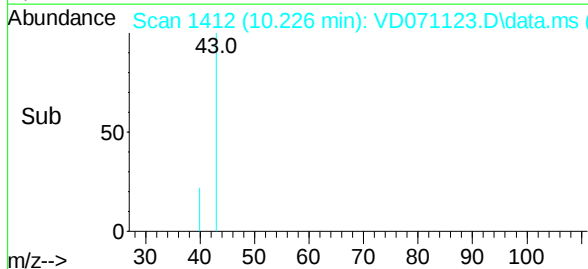
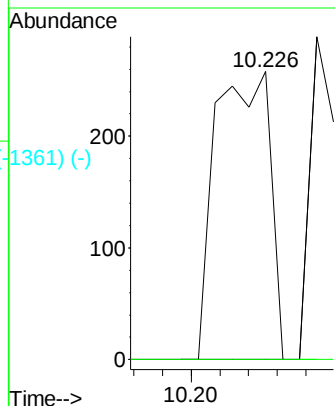
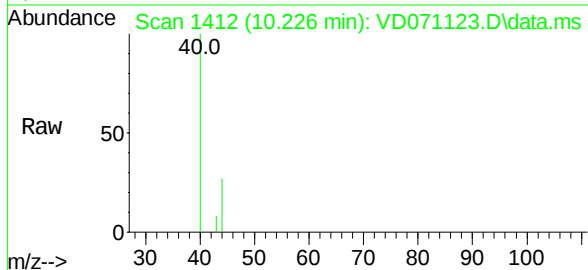




4-Methyl-2-Pentanone
 Concen: 31.63 ug/l
 RT: 10.226 min Scan# 1412
 Delta R.T. -0.000 min
 Lab File: VD071123.D
 Acq: 02 Dec 2021 17:38

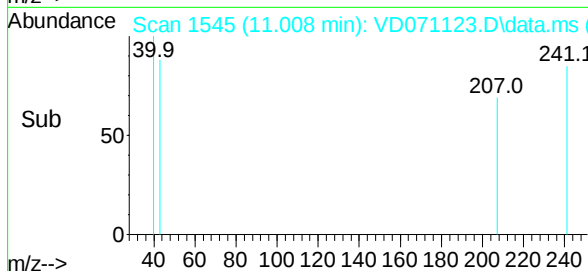
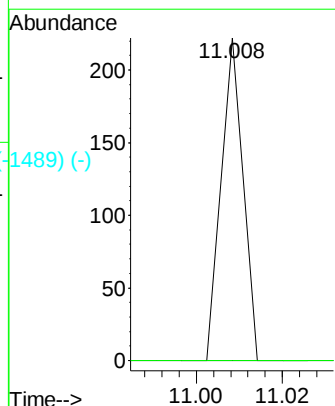
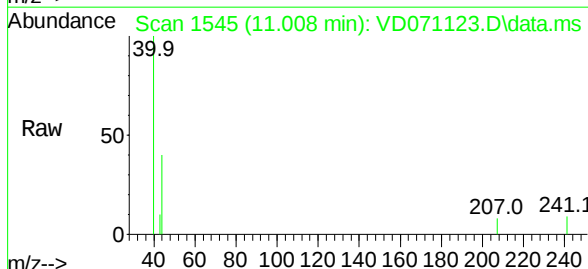
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 43 Resp: 338
 Ion Ratio Lower Upper
 43 100
 58 0.0 33.1 49.7#



2-Hexanone
 Concen: 34.87 ug/l
 RT: 11.008 min Scan# 1545
 Delta R.T. 0.029 min
 Lab File: VD071123.D
 Acq: 02 Dec 2021 17:38

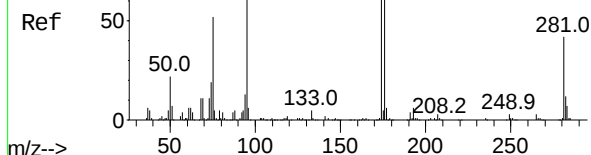
Tgt Ion: 43 Resp: 78
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.7 86.1#



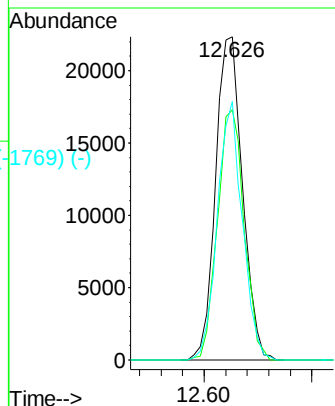
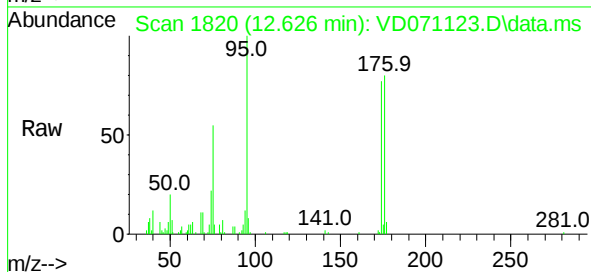
Abundance Scan 1820 (12.626 min): VD071075.D\data.ms (-162) (-)

4-Bromofluorobenzene
Concen: 69.47 ug/l
RT: 12.626 min Scan# 162
Delta R.T. -0.000 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

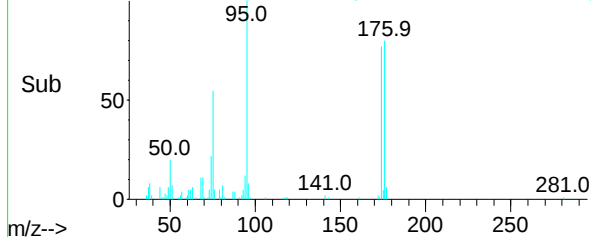
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	95	Resp:	38971
Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	159.4
176	74.3	0.0	154.0



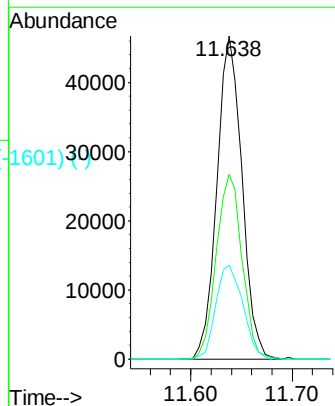
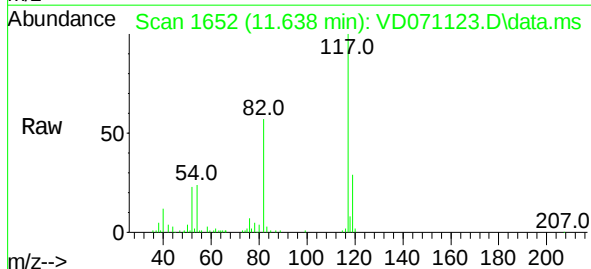
Abundance Scan 1820 (12.626 min): VD071123.D\data.ms (-1769) (-)



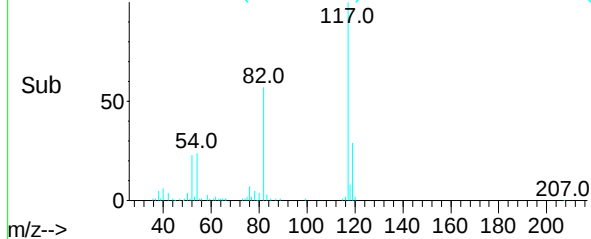
Abundance Scan 1652 (11.638 min): VD071075.D\data.ms (-1663) (-)

Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

Tgt Ion:	117	Resp:	80010
Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.7	67.1
119	29.0	26.2	39.4



Abundance Scan 1652 (11.638 min): VD071123.D\data.ms (-1601) (-)



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

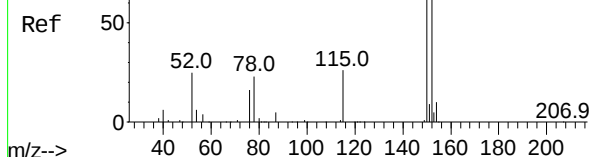
Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

Instrument :

MSVOA_D

ClientSampleId :



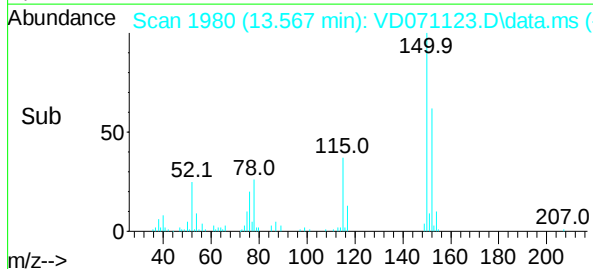
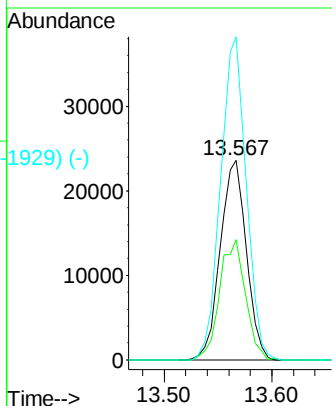
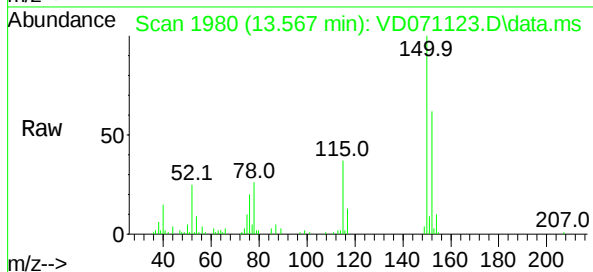
Tgt Ion:152 Resp: 40114

Ion Ratio Lower Upper

152 100

115 59.6 29.8 89.3

150 158.7 0.0 349.2



Abundance Scan 1761 (12.279 min): VD071075.D\data.ms (-1752) (-)

N-amyI acetate

Concen: 5.86 ug/l

RT: 12.296 min Scan# 1764

Delta R.T. 0.017 min

Lab File: VD071123.D

Acq: 02 Dec 2021 17:38

Tgt Ion: 43 Resp: 145

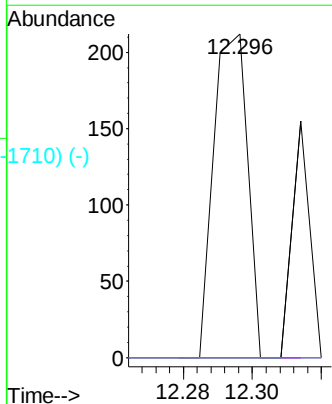
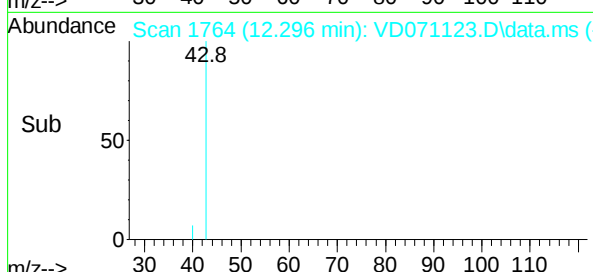
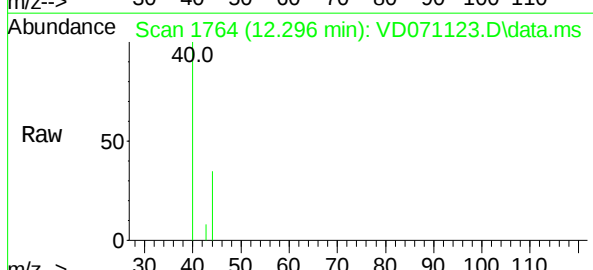
Ion Ratio Lower Upper

43 100

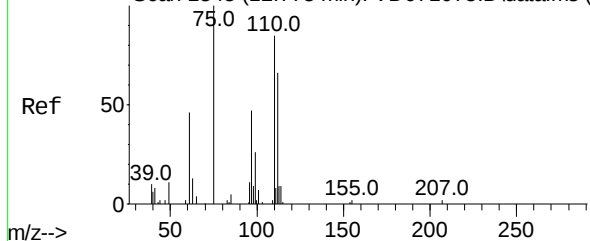
70 0.0 36.6 55.0#

55 0.0 22.5 33.7#

61 0.0 20.5 30.7#



Abundance Scan 1845 (12.773 min): VD071075.D\data.ms (-1875) (-)

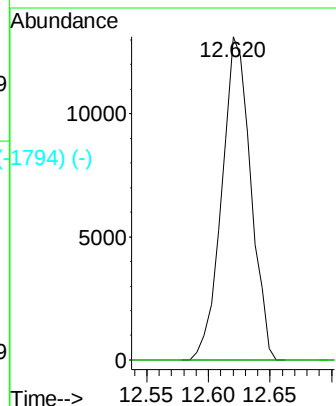
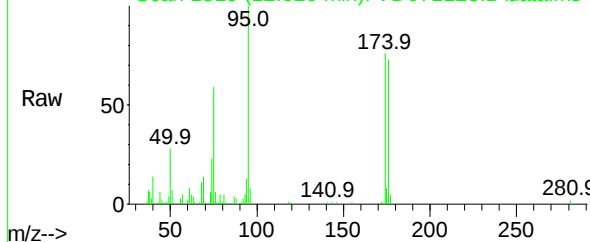


1,2,3-Trichloropropane
Concen: 55.93 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

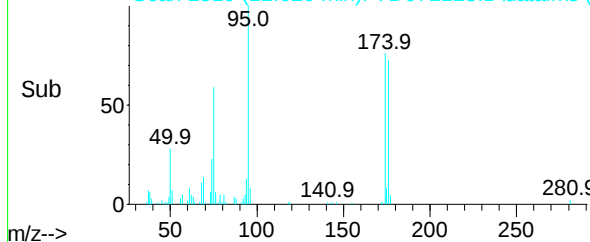
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 21377
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#

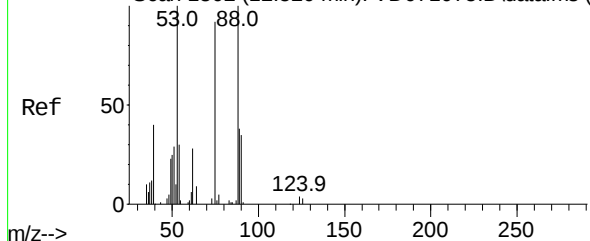
Abundance Scan 1819 (12.620 min): VD071123.D\data.ms



Abundance Scan 1819 (12.620 min): VD071123.D\data.ms (-1794) (-)



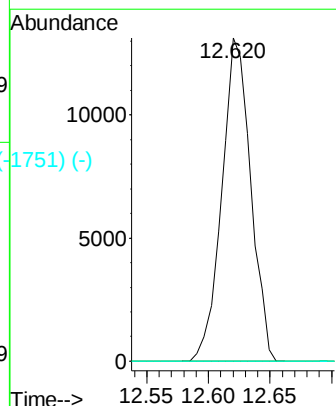
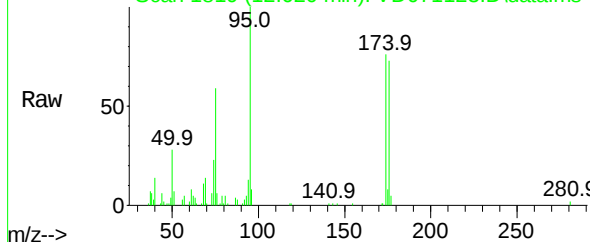
Abundance Scan 1802 (12.520 min): VD071075.D\data.ms (-1798) (-)



trans-1,4-Dichloro-2-butene
Concen: 121.49 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071123.D
Acq: 02 Dec 2021 17:38

Tgt Ion: 75 Resp: 21377
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

Abundance Scan 1819 (12.620 min): VD071123.D\data.ms



Abundance Scan 1819 (12.620 min): VD071123.D\data.ms (-1751) (-)

