

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120221\
 Data File : VD071119.D
 Acq On : 02 Dec 2021 15:44
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 03 00:38:20 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)

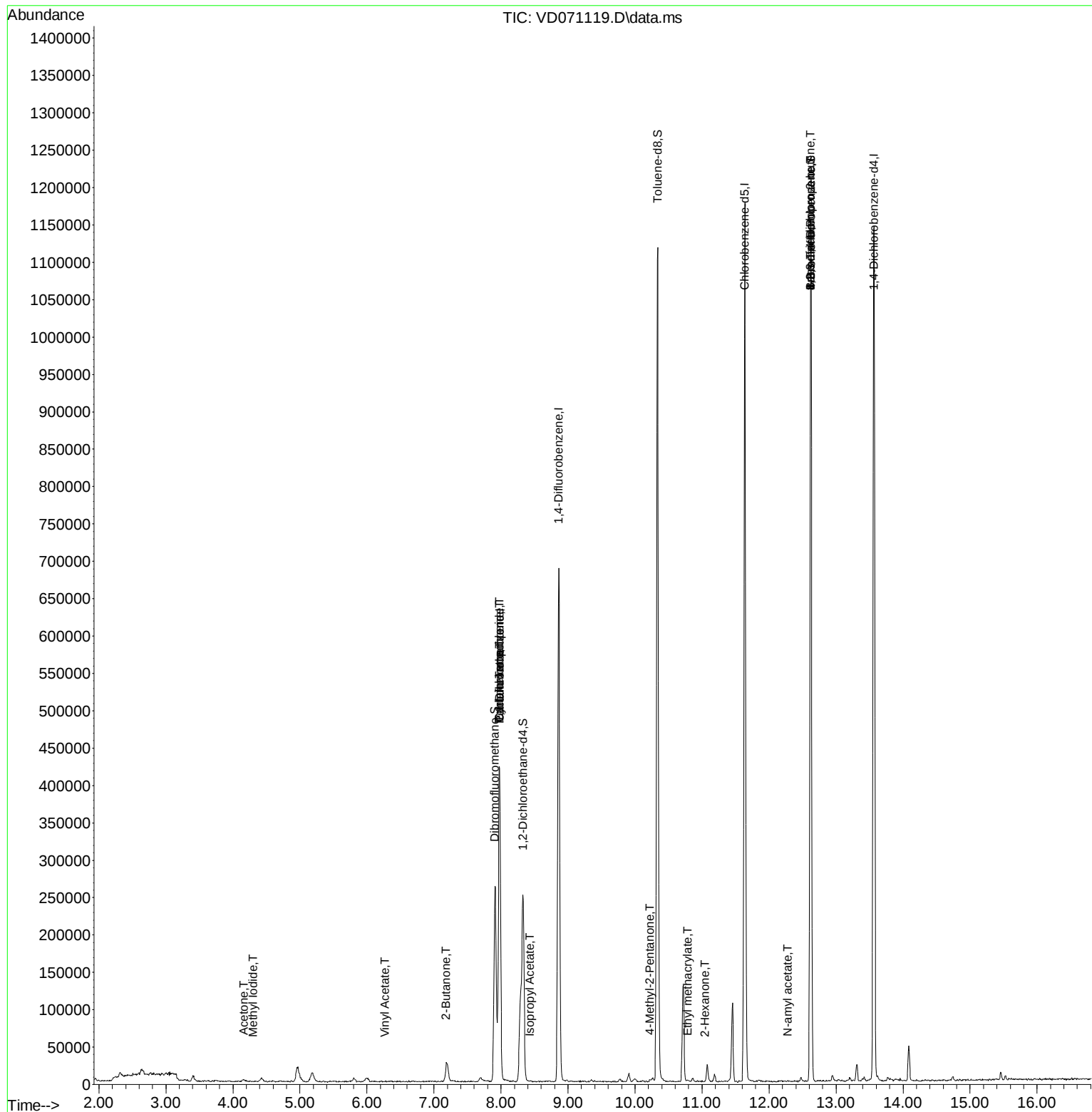
Internal Standards						
1) Pentafluorobenzene	7.979	168	298453	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	571291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	604045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	291415	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	188847	53.93	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	107.86%	
35) Dibromofluoromethane	7.909	113	185469	50.98	ug/l	-0.01
Spiked Amount 50.000	Range 54	- 147	Recovery	=	101.96%	
50) Toluene-d8	10.338	98	743272	53.69	ug/l	0.00
Spiked Amount 50.000	Range 49	- 140	Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.626	95	289742	60.38	ug/l	0.00
Spiked Amount 50.000	Range 25	- 144	Recovery	=	120.76%	
Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	120	4.59	ug/l #	40
11) Tert butyl alcohol	5.185	59	10960	Below Cal	#	76
16) Acetone	4.162	43	4277	34.83	ug/l #	87
20) Methylene Chloride	4.973	84	12279	Below Cal	#	93
23) Vinyl Acetate	6.267	43	60	27.23	ug/l #	72
25) 2-Butanone	7.179	43	701	28.94	ug/l #	45
31) Cyclohexane	7.973	56	8557	1.44	ug/l #	60
36) 1,1-Dichloropropene	7.973	75	27074	5.07	ug/l #	49
38) Carbon Tetrachloride	7.973	117	31789	6.04	ug/l #	16
41) Methacrylonitrile	7.314	41	56	Below Cal	#	30
43) Isopropyl Acetate	8.432	43	119	5.24	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	1915	31.30	ug/l #	81
56) Ethyl methacrylate	10.785	69	89	5.99	ug/l #	1
59) 2-Hexanone	11.044	43	405	34.75	ug/l #	22
71) Bromoform	12.620	173	2946	1.39	ug/l #	1
74) N-amyl acetate	12.279	43	396	5.76	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	165076	59.46	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	165076	128.78	ug/l #	19

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

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QLast Update : Mon Nov 29 17:54:09 2021
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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# 1

Delta R.T. -0.006 min

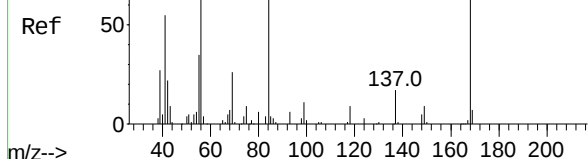
Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

Instrument :

MSVOA_D

ClientSampleId :

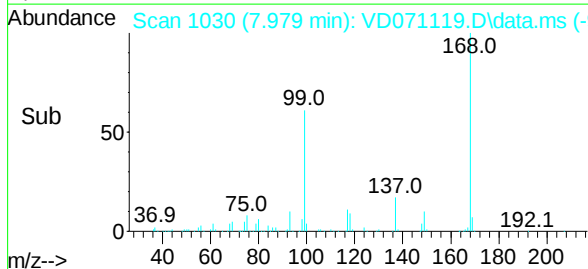
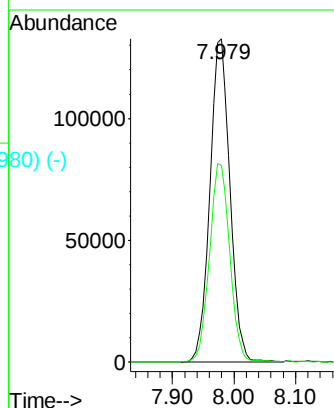
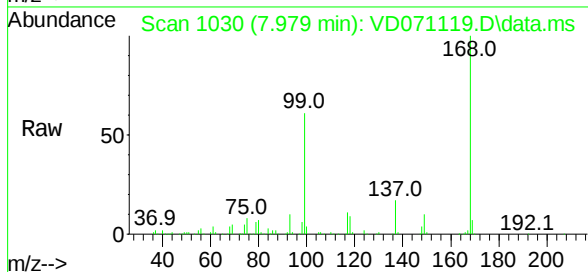


Tgt Ion:168 Resp: 298453

Ion Ratio Lower Upper

168 100

99 60.7 46.6 69.8



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

Methyl Iodide

Concen: 4.59 ug/l

RT: 4.297 min Scan# 404

Delta R.T. -0.006 min

Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

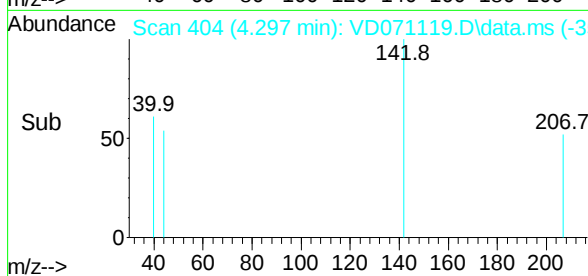
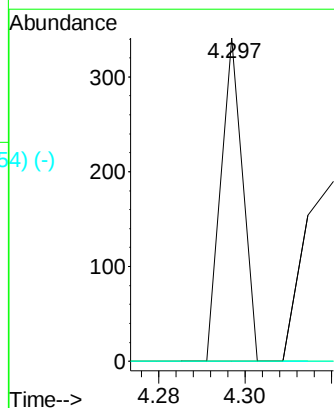
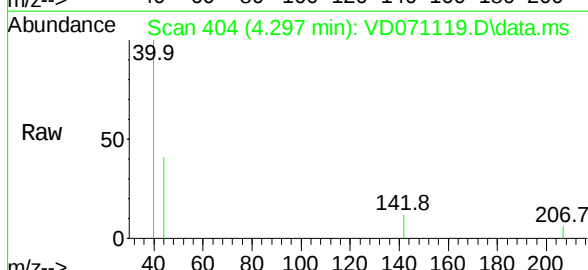
Tgt Ion:142 Resp: 120

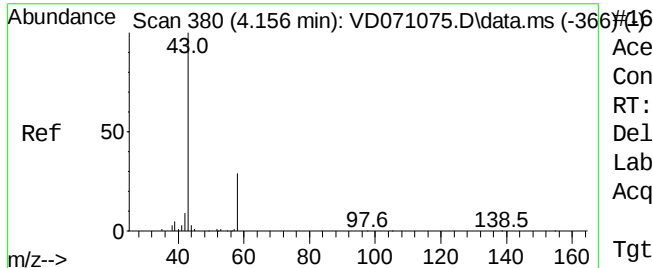
Ion Ratio Lower Upper

142 100

127 0.0 35.0 52.4#

141 0.0 12.0 18.0#





Acetone

Concen: 34.83 ug/l

RT: 4.162 min Scan# 416

Delta R.T. 0.006 min MSVOA_D

Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

Instrument :

MSVOA_D

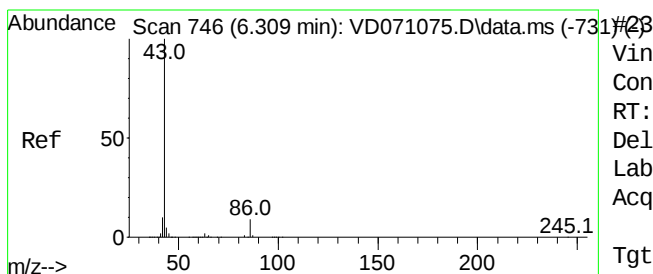
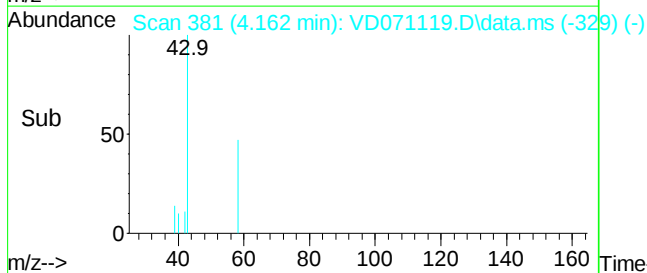
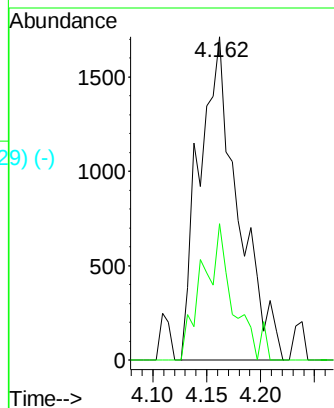
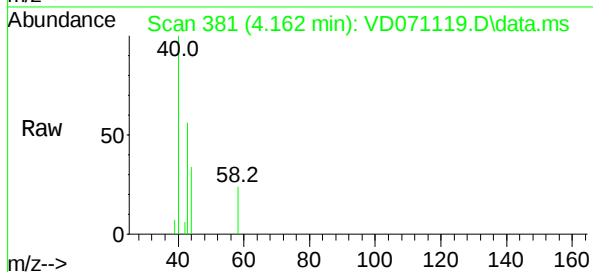
ClientSampleId :

Tgt Ion: 43 Resp: 4277

Ion Ratio Lower Upper

43 100

58 42.3 27.8 41.8#



Vinyl Acetate

Concen: 27.23 ug/l

RT: 6.267 min Scan# 739

Delta R.T. -0.042 min

Lab File: VD071119.D

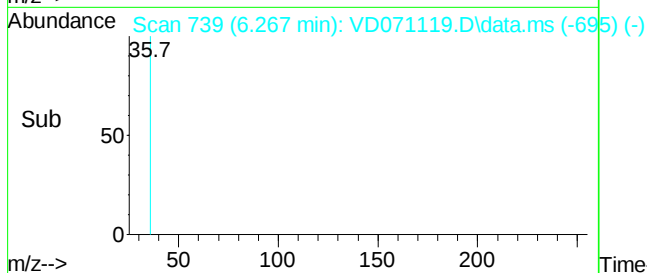
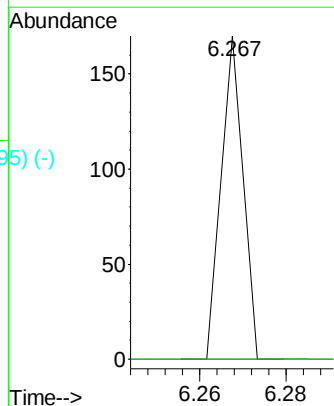
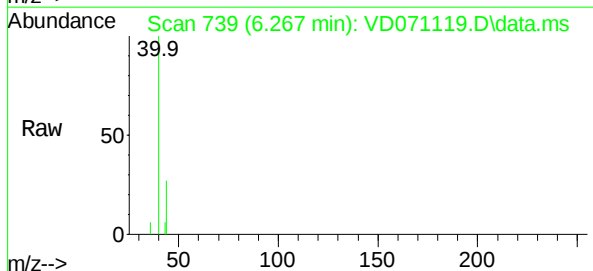
Acq: 02 Dec 2021 15:44

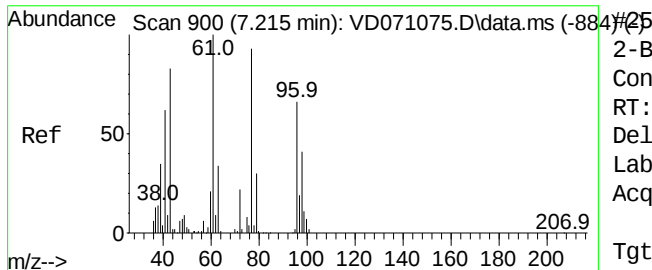
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#





2-Butanone

Concen: 28.94 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.036 min

Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

Instrument :

MSVOA_D

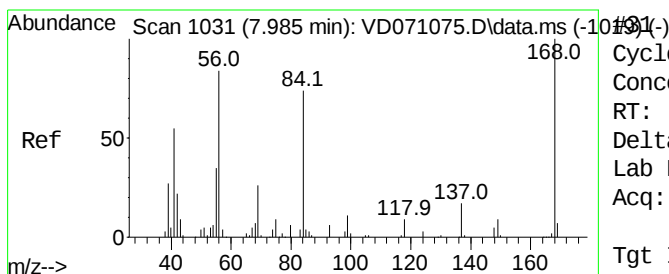
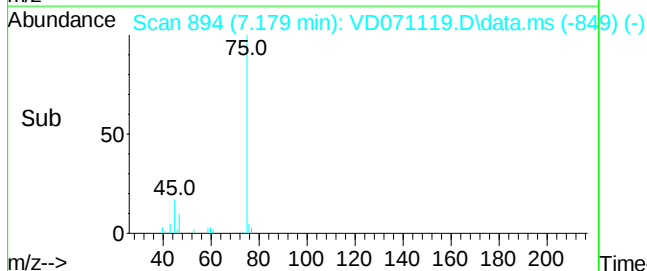
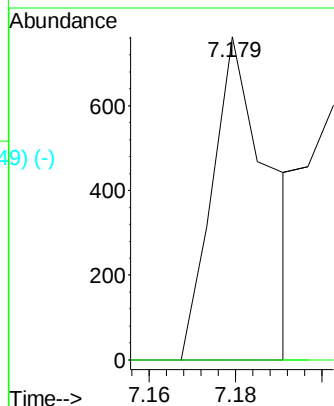
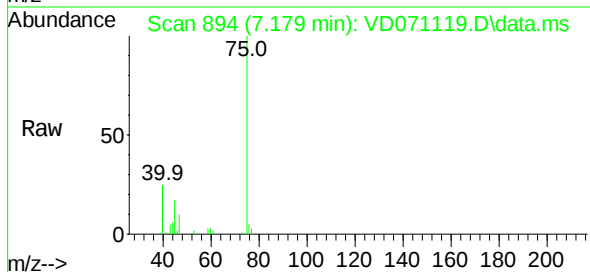
ClientSampleId :

Tgt Ion: 43 Resp: 701

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



Cyclohexane

Concen: 1.44 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

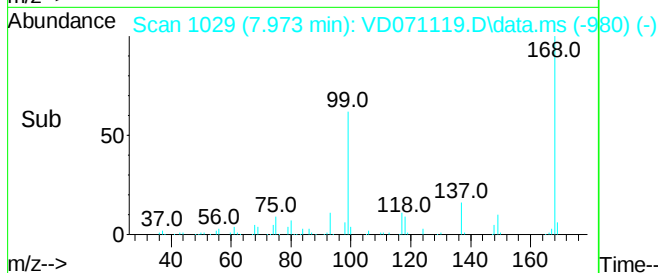
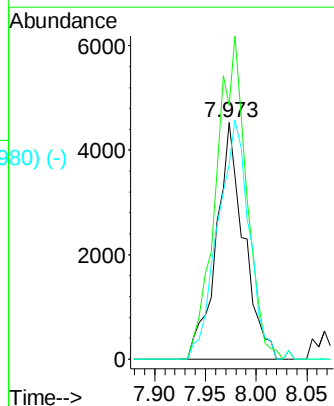
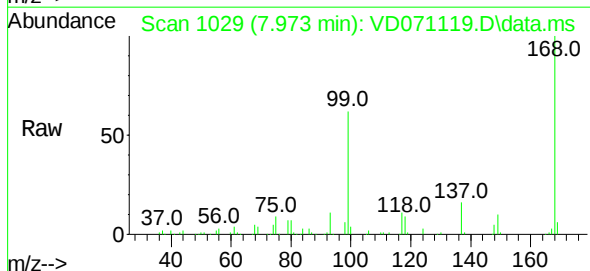
Tgt Ion: 56 Resp: 8557

Ion Ratio Lower Upper

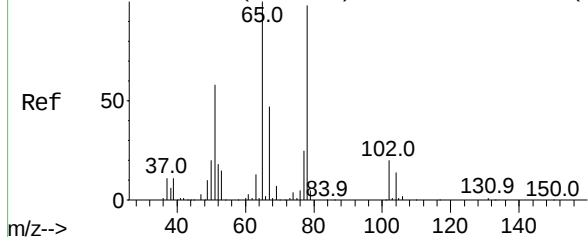
56 100

69 107.1 25.9 38.9#

84 82.2 64.3 96.5



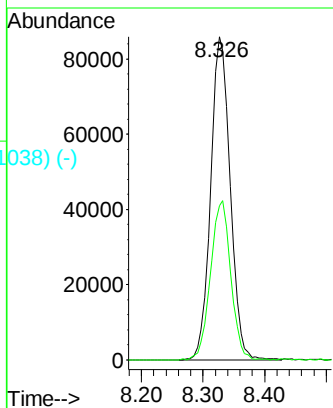
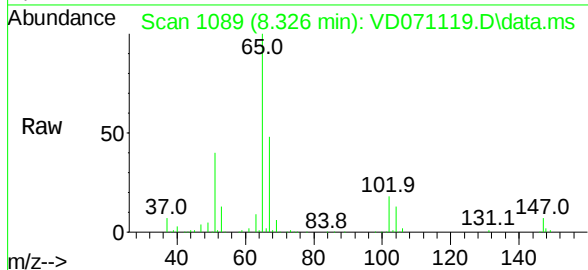
Abundance Scan 1089 (8.326 min): VD071075.D\data.ms (-1078) (-)



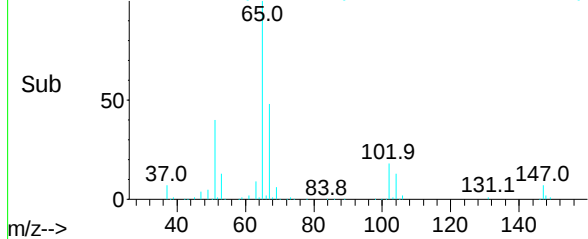
1,2-Dichloroethane-d4
Concen: 53.93 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

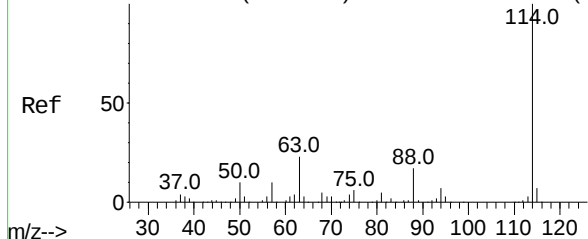
Tgt Ion: 65 Resp: 188847
Ion Ratio Lower Upper
65 100
67 51.0 0.0 112.2



Abundance Scan 1089 (8.326 min): VD071119.D\data.ms (-1038) (-)

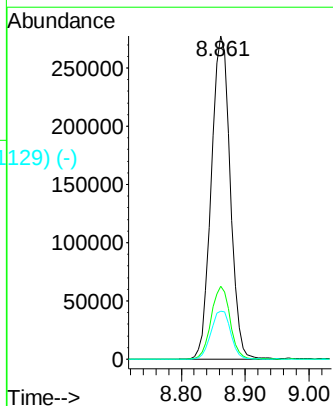
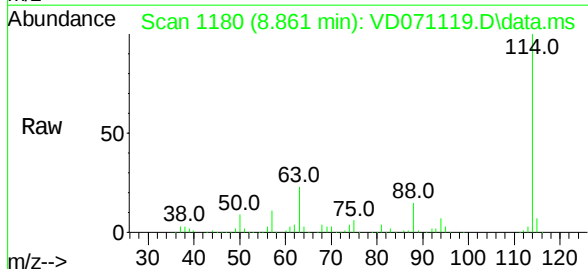


Abundance Scan 1180 (8.861 min): VD071075.D\data.ms (-1170) (-)

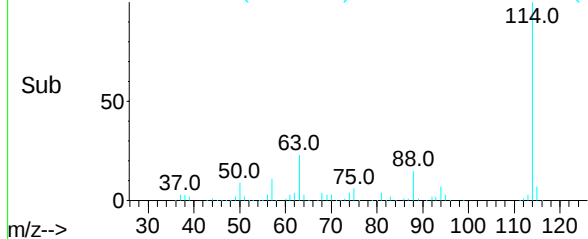


1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

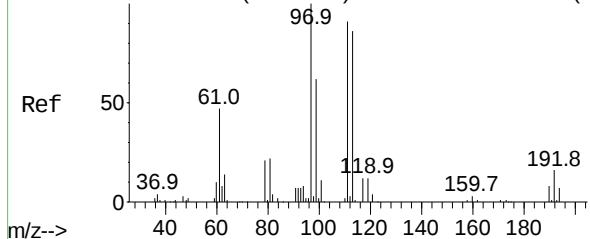
Tgt Ion: 114 Resp: 571291
Ion Ratio Lower Upper
114 100
63 22.6 0.0 41.8
88 14.9 0.0 32.8



Abundance Scan 1180 (8.861 min): VD071119.D\data.ms (-1129) (-)



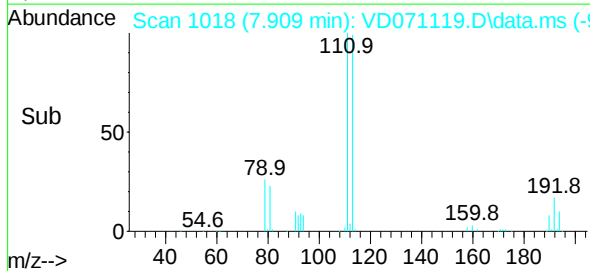
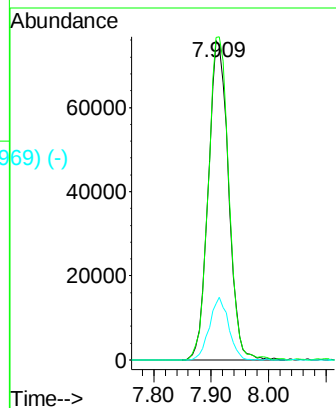
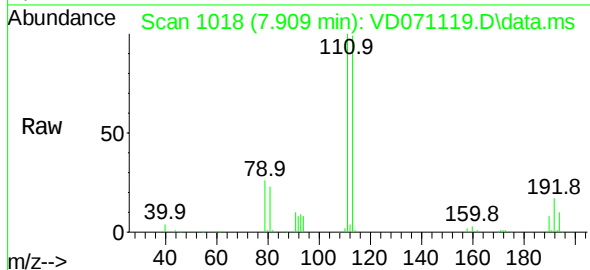
Abundance Scan 1020 (7.920 min): VD071075.D\data.ms (-1005) (-)



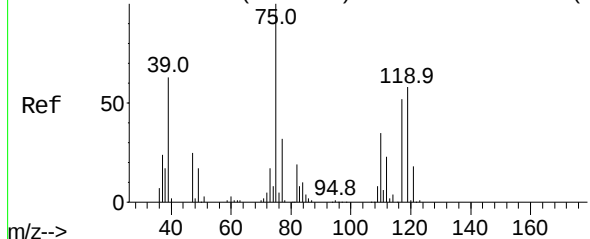
Dibromofluoromethane
Concen: 50.98 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:113 Resp: 185469
Ion Ratio Lower Upper
113 100
111 102.2 82.0 123.0
192 18.6 15.2 22.8

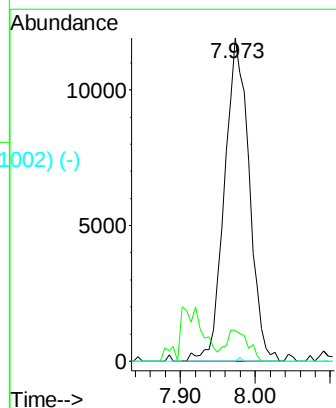
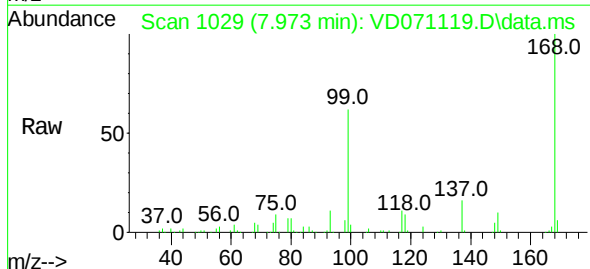


Abundance Scan 1053 (8.114 min): VD071075.D\data.ms (-1039) (-)

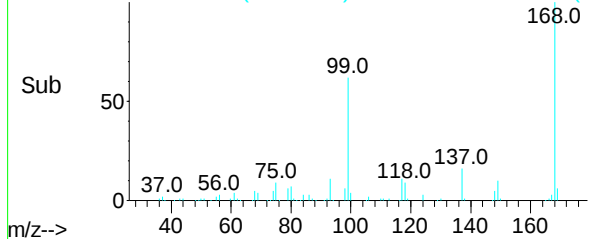


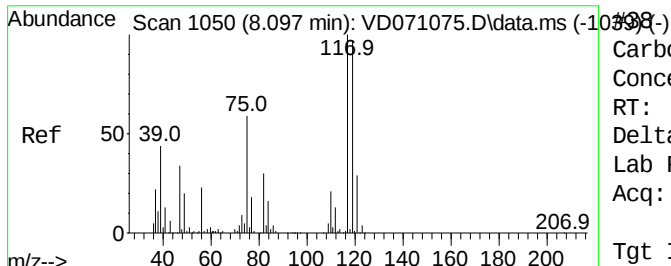
1,1-Dichloropropene
Concen: 5.07 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Tgt Ion: 75 Resp: 27074
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.4#
77 0.2 24.8 37.2#



Abundance Scan 1029 (7.973 min): VD071119.D\data.ms (-1002) (-)

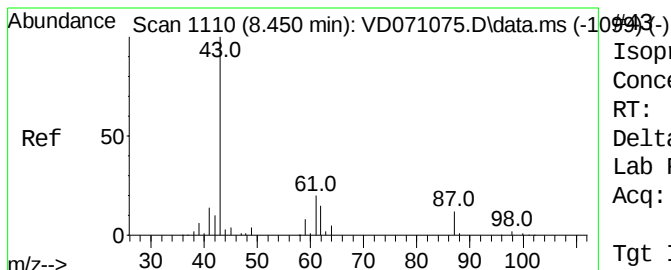
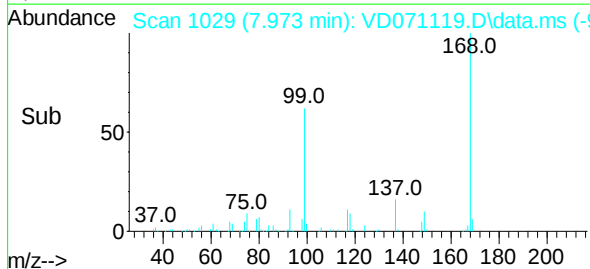
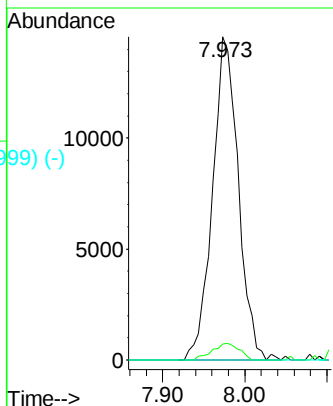
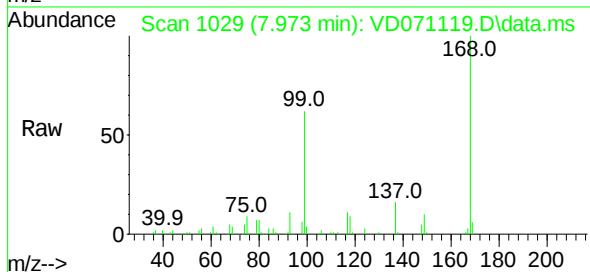




Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.973 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

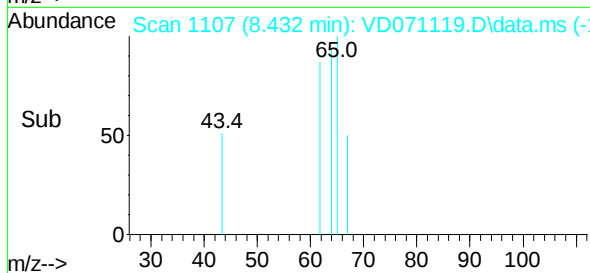
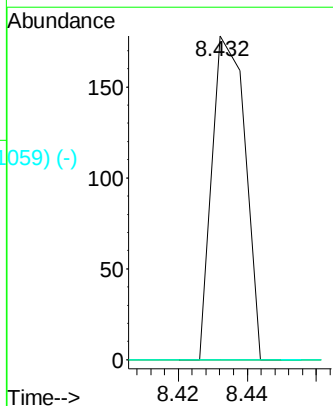
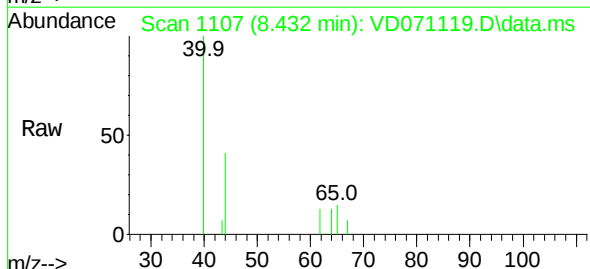
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	117	Resp:	31789
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.6#
121	0.0	23.6	35.4#

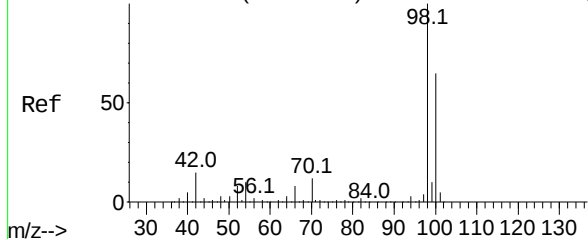


Isopropyl Acetate
Concen: 5.24 ug/l
RT: 8.432 min Scan# 1107
Delta R.T. -0.018 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Tgt Ion:	43	Resp:	119
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.4#
87	0.0	10.7	16.1#



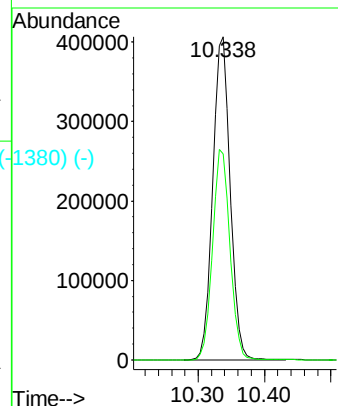
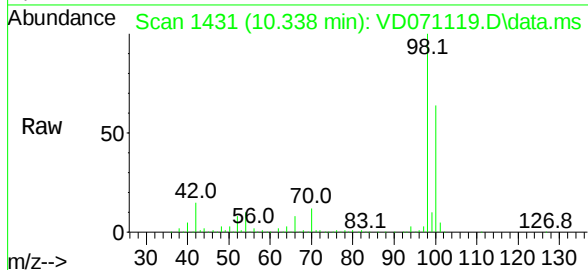
Abundance Scan 1431 (10.338 min): VD071075.D\data.ms (-1450) (-)



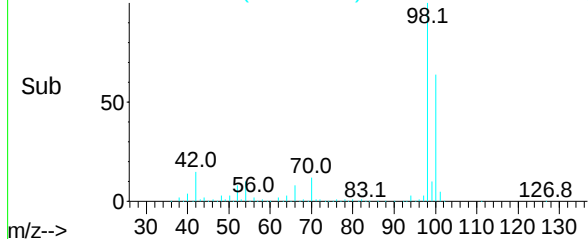
Toluene-d8
Concen: 53.69 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

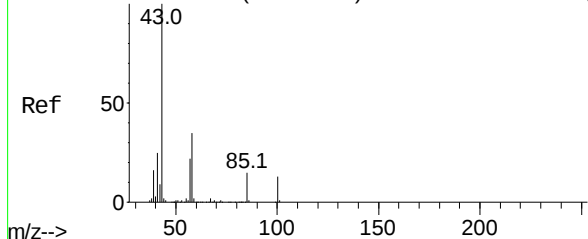
Tgt Ion: 98 Resp: 743272
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



Abundance Scan 1431 (10.338 min): VD071119.D\data.ms (-1380) (-)

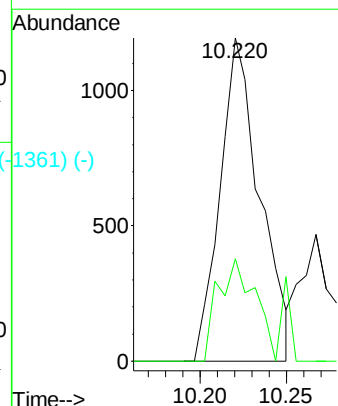
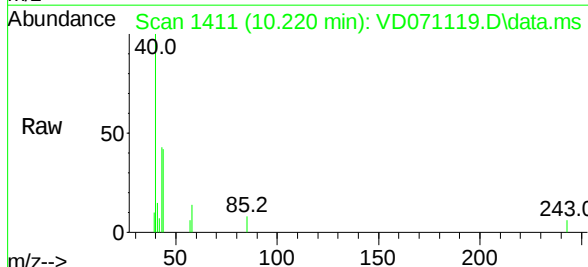


Abundance Scan 1412 (10.226 min): VD071075.D\data.ms (-1452) (-)

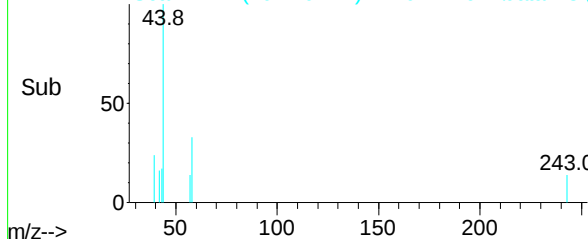


4-Methyl-2-Pentanone
Concen: 31.30 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Tgt Ion: 43 Resp: 1915
Ion Ratio Lower Upper
43 100
58 29.5 33.1 49.7#



Abundance Scan 1411 (10.220 min): VD071119.D\data.ms (-1361) (-)



Abundance Scan 1485 (10.656 min): VD071075.D\data.ms (-1455) (-)

Ethyl methacrylate

Concen: 5.99 ug/l

RT: 10.785 min Scan# 1455

Delta R.T. 0.129 min

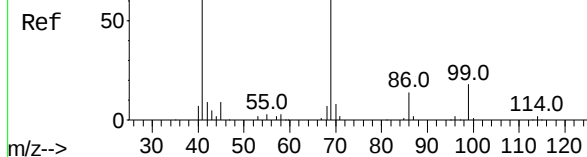
Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

Instrument :

MSVOA_D

ClientSampleId :



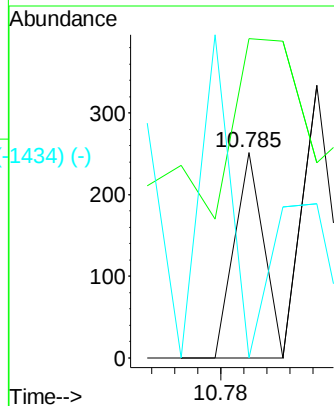
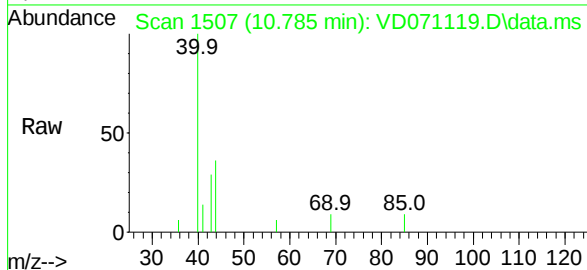
Tgt Ion: 69 Resp: 89

Ion Ratio Lower Upper

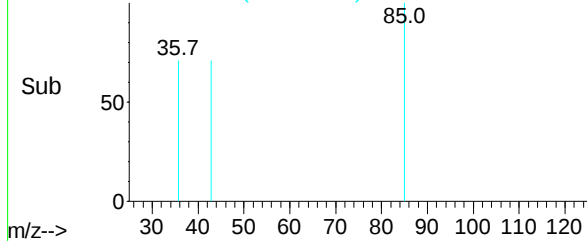
69 100

41 883.1 50.2 75.2#

39 230.3 19.8 29.8#



Abundance Scan 1507 (10.785 min): VD071119.D\data.ms (-1434) (-)



Abundance Scan 1540 (10.979 min): VD071075.D\data.ms (-1550) (-)

2-Hexanone

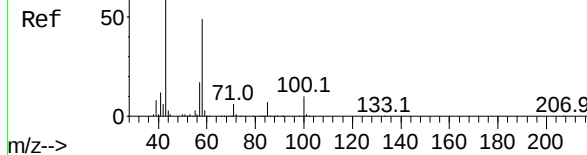
Concen: 34.75 ug/l

RT: 11.044 min Scan# 1551

Delta R.T. 0.065 min

Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

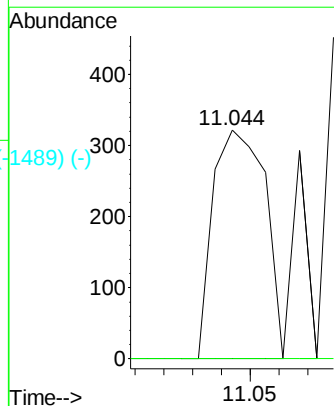
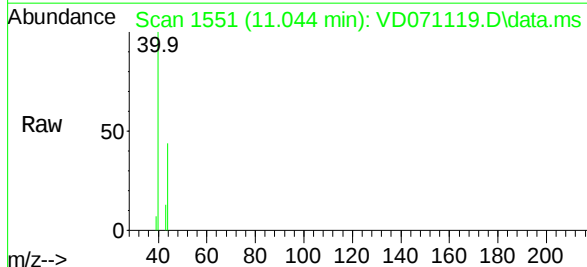


Tgt Ion: 43 Resp: 405

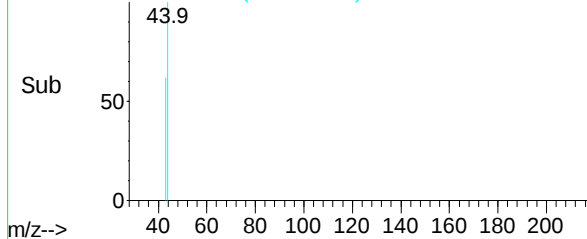
Ion Ratio Lower Upper

43 100

58 0.0 28.7 86.1#



Abundance Scan 1551 (11.044 min): VD071119.D\data.ms (-1489) (-)



Abundance Scan 1820 (12.626 min): VD071075.D\data.ms (-1662) (-)

4-Bromofluorobenzene

Concen: 60.38 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

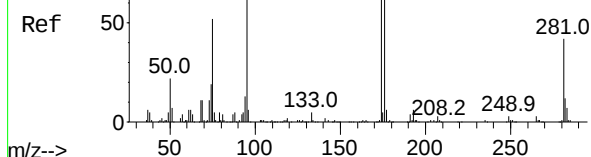
Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

Instrument :

MSVOA_D

ClientSampleId :



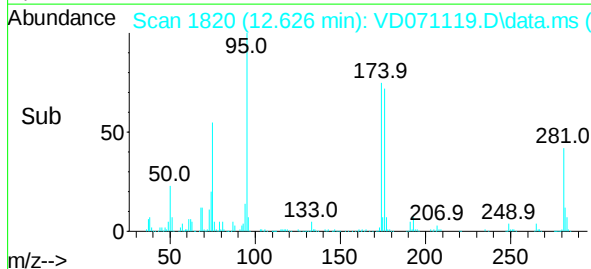
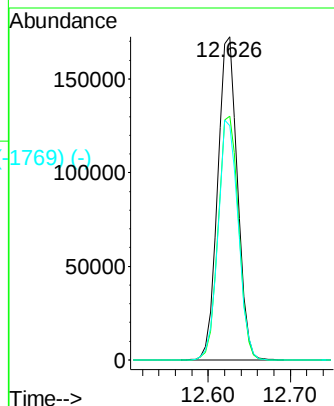
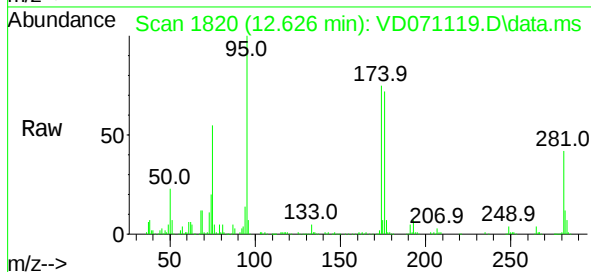
Tgt Ion: 95 Resp: 289742

Ion Ratio Lower Upper

95 100

174 77.3 0.0 159.4

176 75.5 0.0 154.0



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

Chlorobenzene-d5

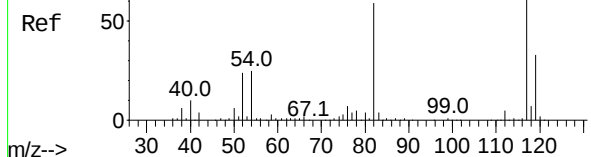
Concen: 50.00 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. -0.000 min

Lab File: VD071119.D

Acq: 02 Dec 2021 15:44



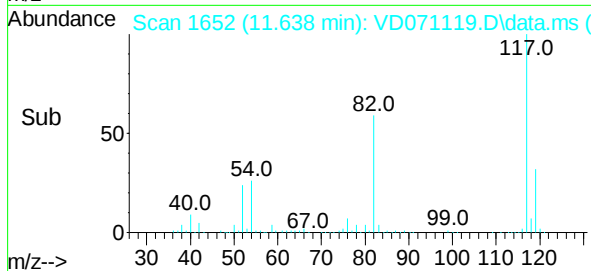
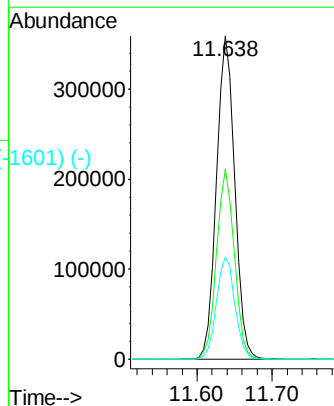
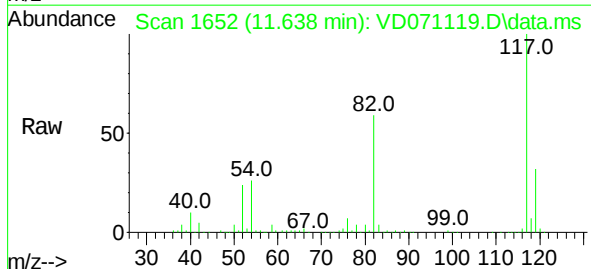
Tgt Ion: 117 Resp: 604045

Ion Ratio Lower Upper

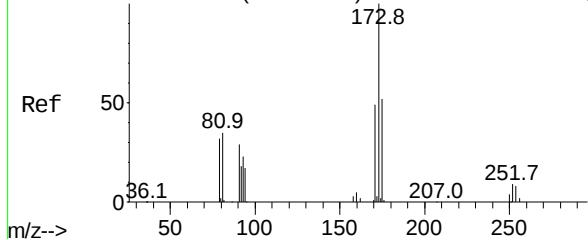
117 100

82 58.9 44.7 67.1

119 31.6 26.2 39.4



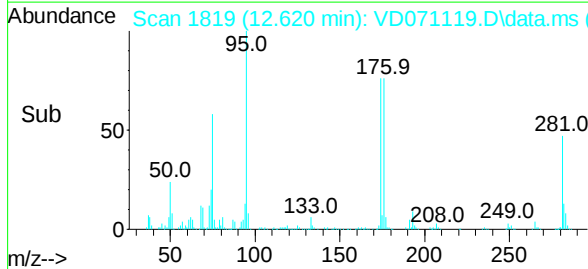
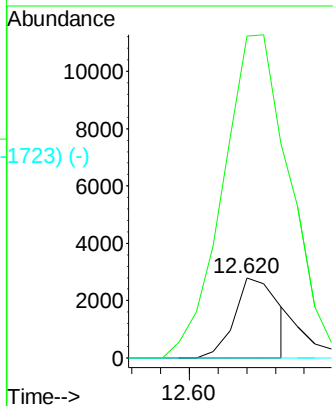
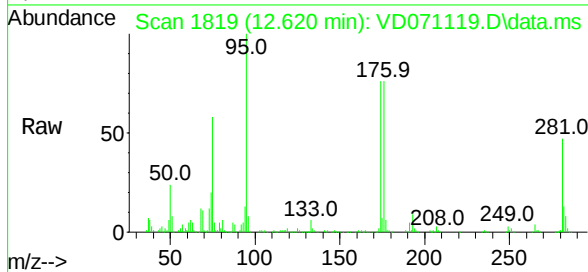
Abundance Scan 1774 (12.355 min): VD071075.D\data.ms (-1774) (-)



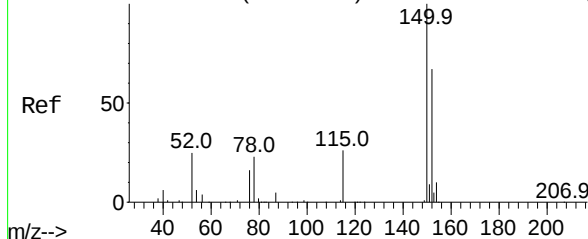
Bromoform
Concen: 1.39 ug/l
RT: 12.620 min Scan# 1774
Delta R.T. 0.265 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:173 Resp: 2946
Ion Ratio Lower Upper
173 100
175 524.3 24.1 72.2#
254 0.0 0.1 0.1#

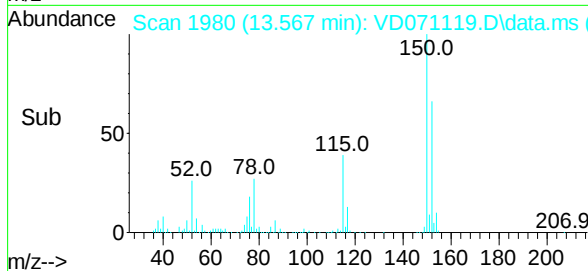
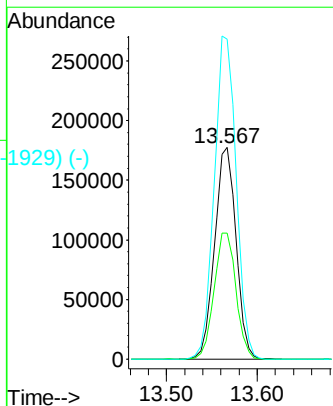
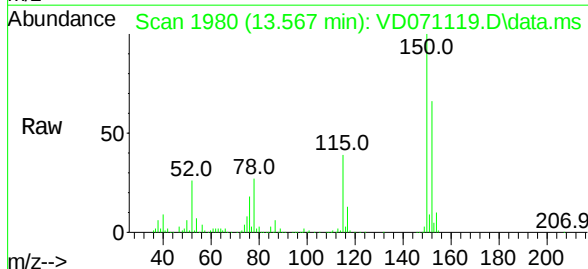


Abundance Scan 1980 (13.567 min): VD071075.D\data.ms (-1972) (-)



1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Tgt Ion:152 Resp: 291415
Ion Ratio Lower Upper
152 100
115 60.7 29.8 89.3
150 155.7 0.0 349.2



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

N-amy1 acetate

Concen: 5.76 ug/l

RT: 12.279 min Scan# 1761

Delta R.T. -0.000 min

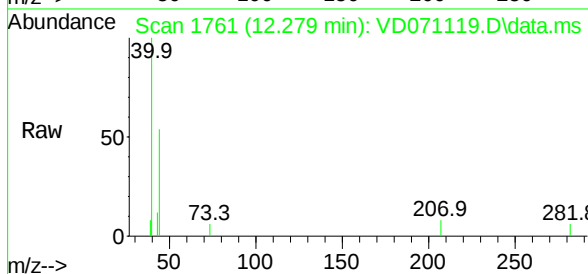
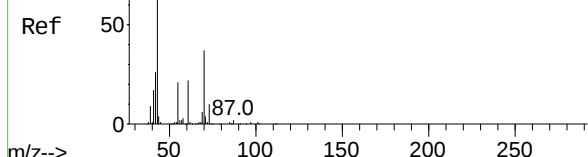
Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

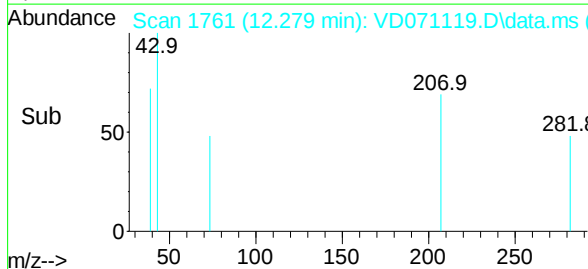
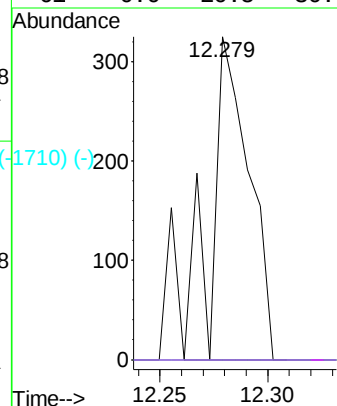
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	396
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 (-1873) (-)

1,2,3-Trichloropropane

Concen: 59.46 ug/l

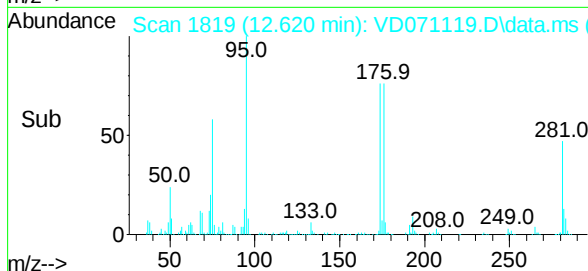
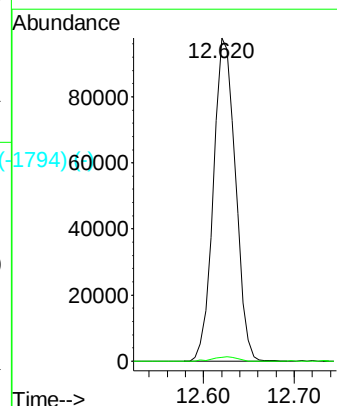
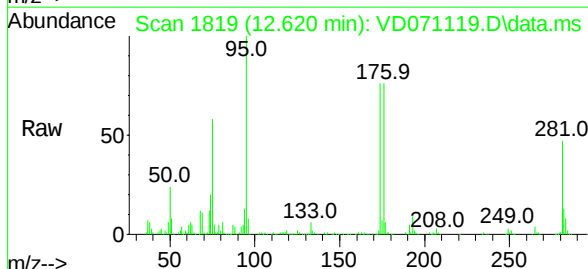
RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

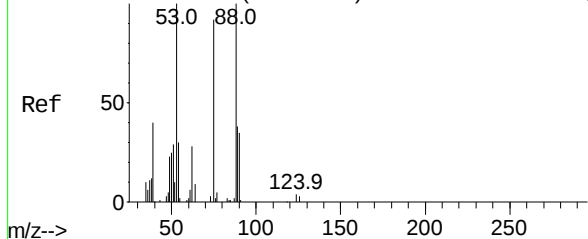
Lab File: VD071119.D

Acq: 02 Dec 2021 15:44

Tgt Ion:	75	Resp:	165076
Ion	Ratio	Lower	Upper
75	100		
77	1.4	158.4	475.3#

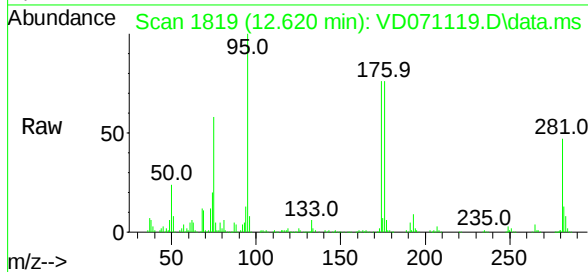


Abundance Scan 1802 (12.520 min): VD071075.D\data.ms (-1751) (-)



trans-1,4-Dichloro-2-butene
Concen: 128.78 ug/l
RT: 12.620 min Scan# 1751
Delta R.T. 0.100 min
Lab File: VD071119.D
Acq: 02 Dec 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	75	Resp:	165076
Ion	Ratio	Lower	Upper
75	100		
53	0.1	62.6	94.0#
89	0.6	34.5	51.7#

