

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067729.D
 Acq On : 20 Nov 2020 17:15
 Operator : VA/SY
 Sample : L4848-03
 Misc : 5.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 21 00:41:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	379517	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	120746	55.84	ug/l	0.00
Spiked Amount						
			Recovery	=	111.68%	
35) Dibromofluoromethane	7.92	113	118000	51.61	ug/l	0.00
Spiked Amount						
			Recovery	=	103.22%	
50) Toluene-d8	10.34	98	456945	56.87	ug/l	0.00
Spiked Amount						
			Recovery	=	113.74%	
62) 4-Bromofluorobenzene	12.64	95	188143	67.82	ug/l	0.00
Spiked Amount						
			Recovery	=	135.64%	

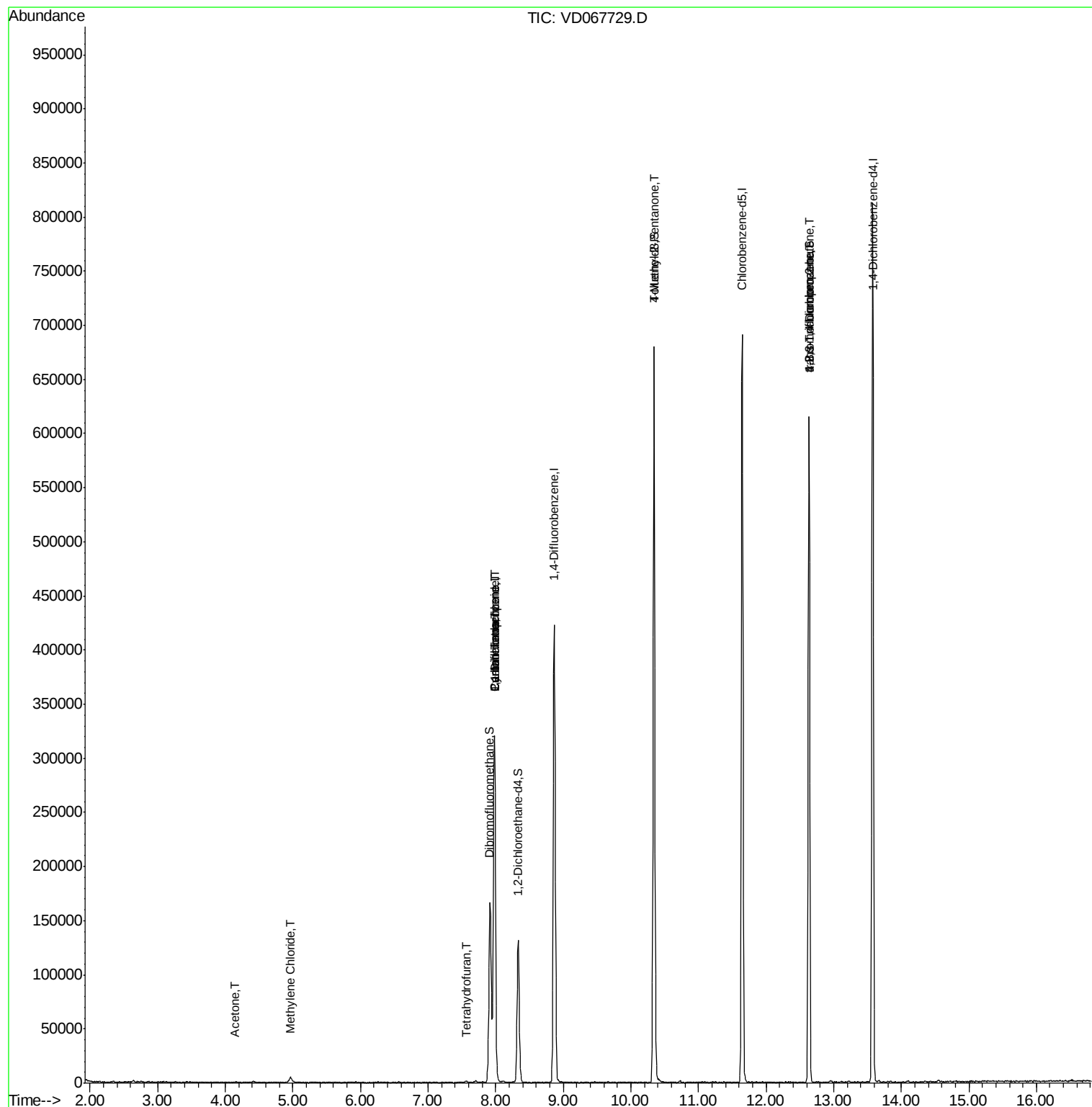
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	432	1.335	ug/l #	43
20) Methylene Chloride	4.97	84	4165	1.822	ug/l #	70
29) Tetrahydrofuran	7.56	42	642	3.100	ug/l #	55
31) Cyclohexane	7.98	56	4601	1.467	ug/l #	53
36) 1,1-Dichloropropene	7.98	75	16059	4.943	ug/l #	51
38) Carbon Tetrachloride	7.98	117	25890	6.134	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1489	1.867	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	97387	72.971	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	97387	148.151	ug/l #	10

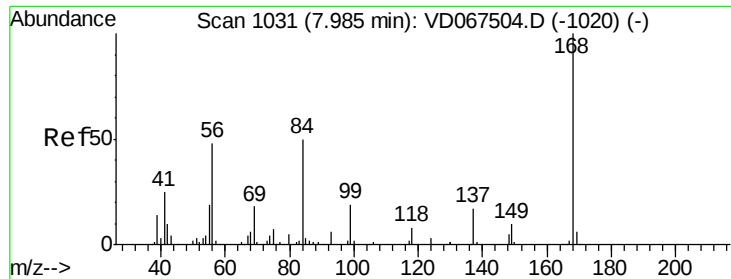
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067729.D

Acq: 20 Nov 2020 17:15

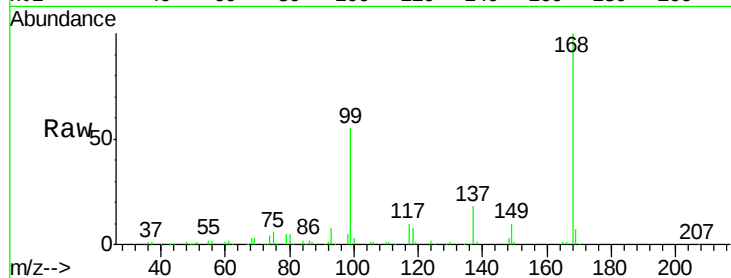
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 247320

Ion Ratio Lower Upper

168 100

99 55.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

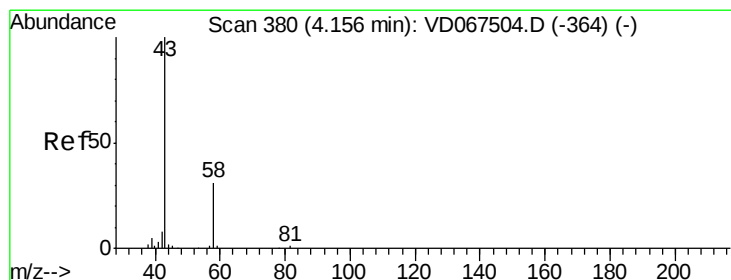
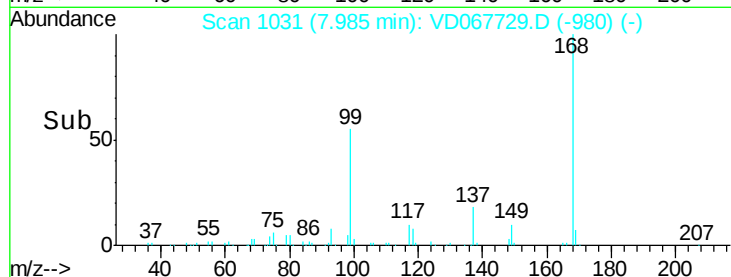
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 1.335 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067729.D

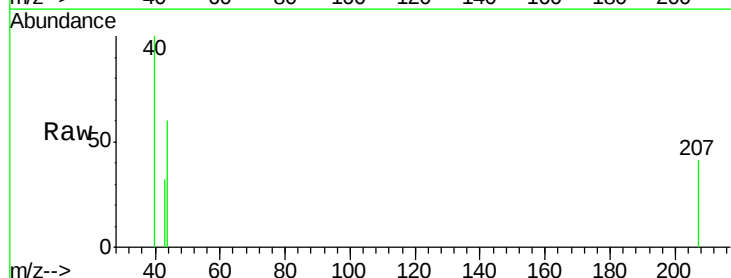
Acq: 20 Nov 2020 17:15

Tgt Ion: 43 Resp: 432

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.15

500

400

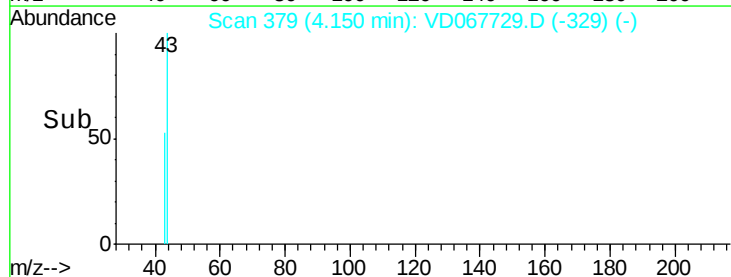
300

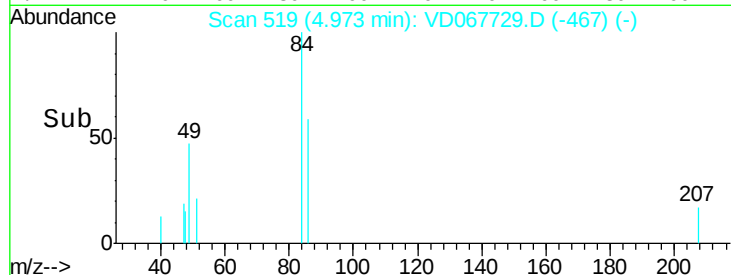
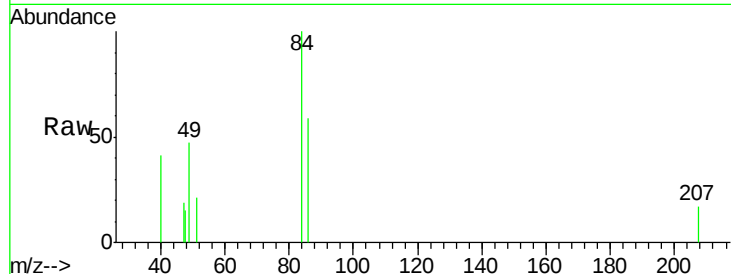
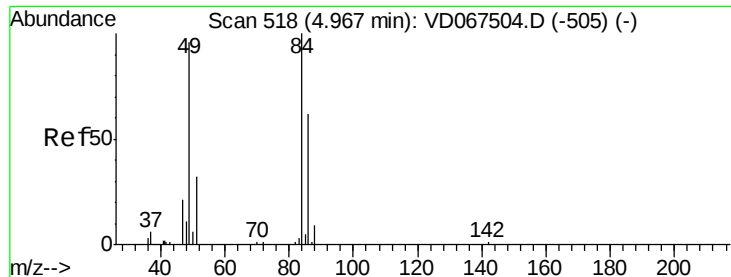
200

100

0

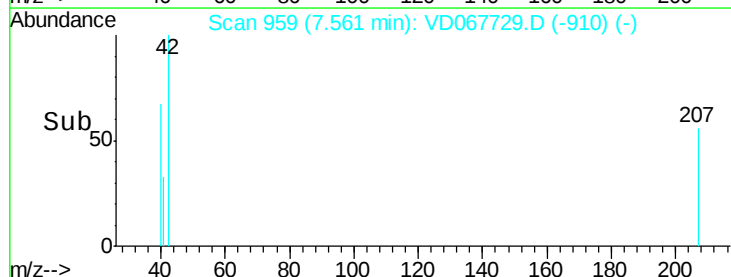
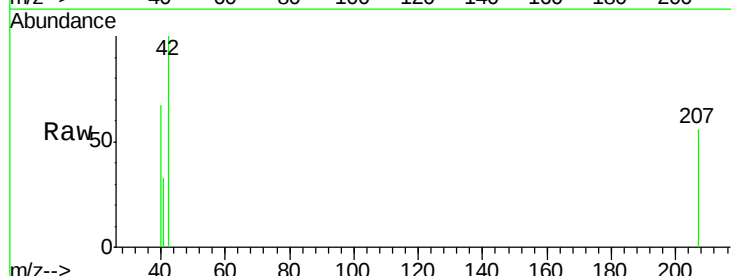
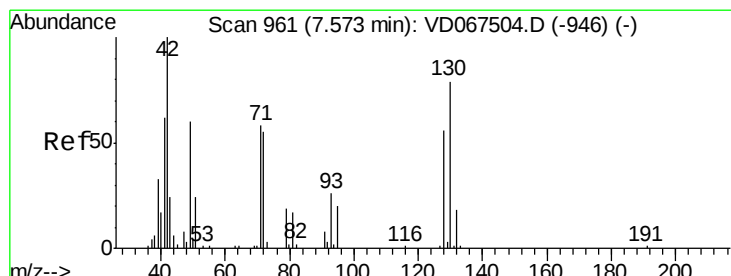
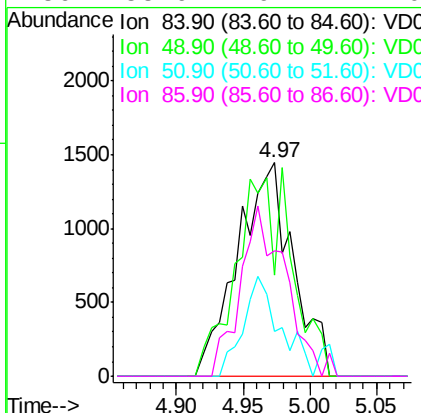
Time-->





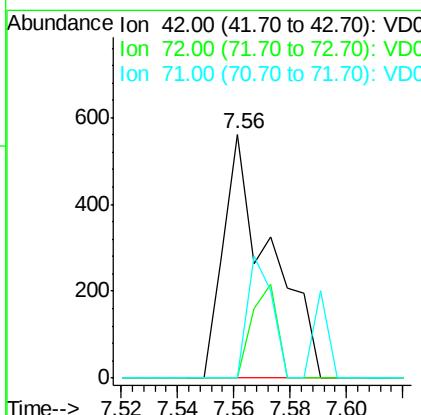
#20
Methvlene Chloride
Concen: 1.822 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067729.D
Acq: 20 Nov 2020 17:15

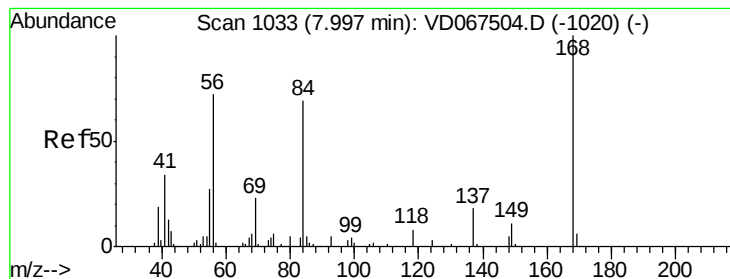
Tot Ion:	84	Resp:	4165
Ion	Ratio	Lower	Upper
84	100		
49	47.3	77.0	115.4#
51	21.2	25.4	38.2#
86	58.6	49.4	74.0



#29
Tetrahydrofuran
Concen: 3.100 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067729.D
Acq: 20 Nov 2020 17:15

Tgt Ion:	42	Resp:	642
Ion	Ratio	Lower	Upper
42	100		
72	20.6	46.3	69.5#
71	26.5	44.0	66.0#





#31

Cyclohexane

Concen: 1.467 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD067729.D

Acq: 20 Nov 2020 17:15

Instrument :
MSVOA_D
ClientSampleId :

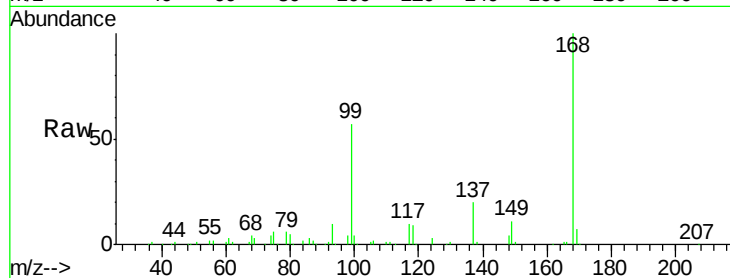
Tot Ion: 56 Resp: 4601

Ion Ratio Lower Upper

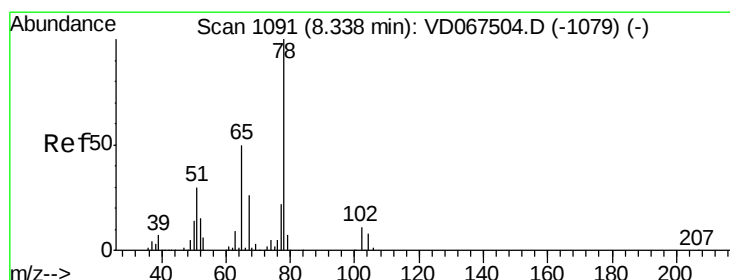
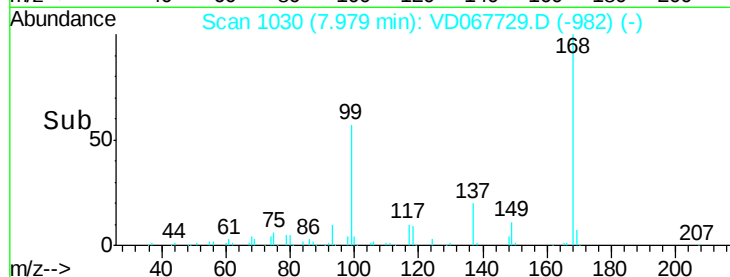
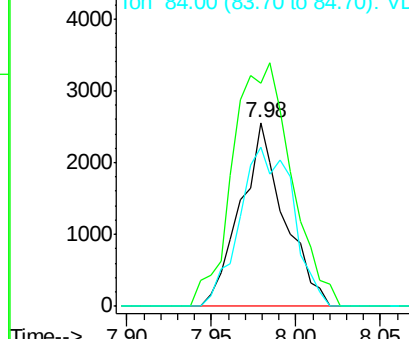
56 100

69 121.4 25.9 38.9#

84 86.8 76.2 114.4



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 55.835 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067729.D

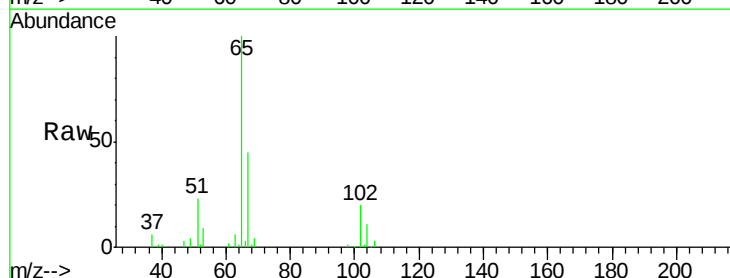
Acq: 20 Nov 2020 17:15

Tgt Ion: 65 Resp: 120746

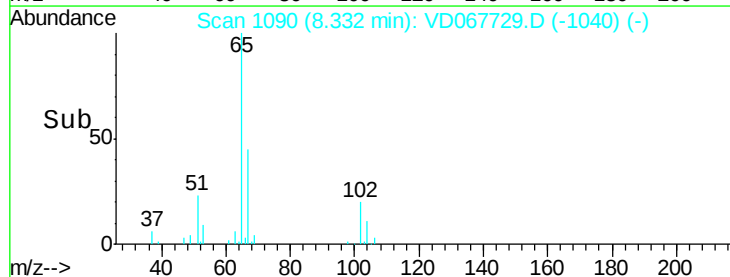
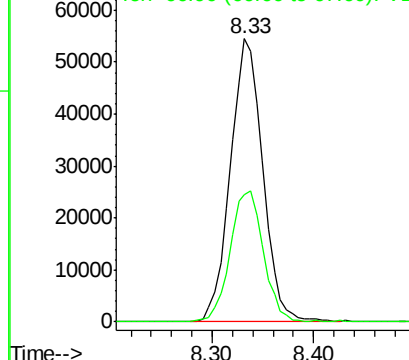
Ion Ratio Lower Upper

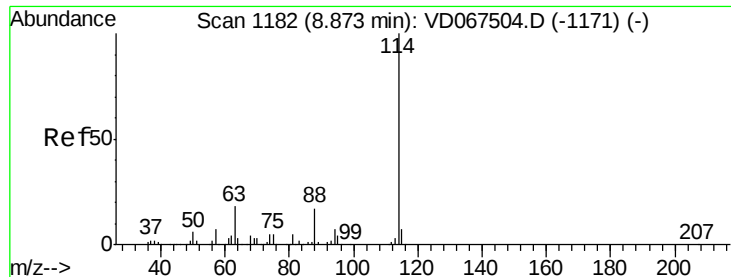
65 100

67 47.3 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

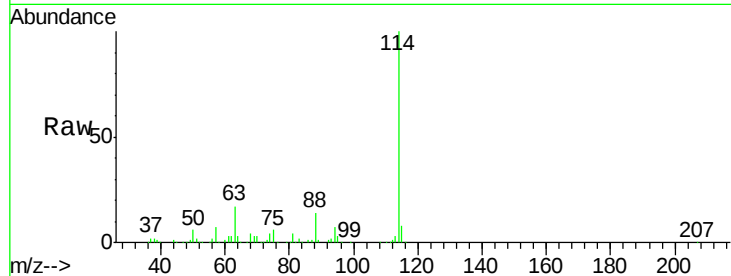




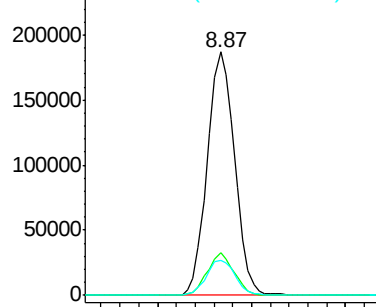
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067729.D
 Acq: 20 Nov 2020 17:15

Instrument :
 MSVOA_D
 ClientSampleId :

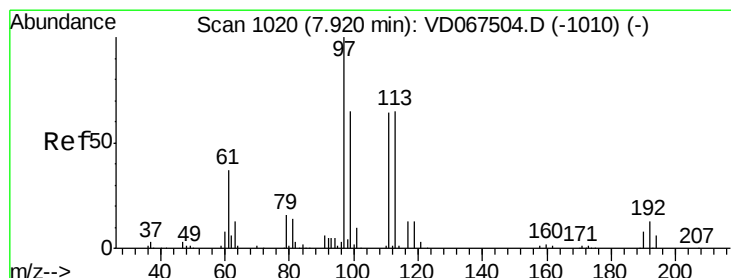
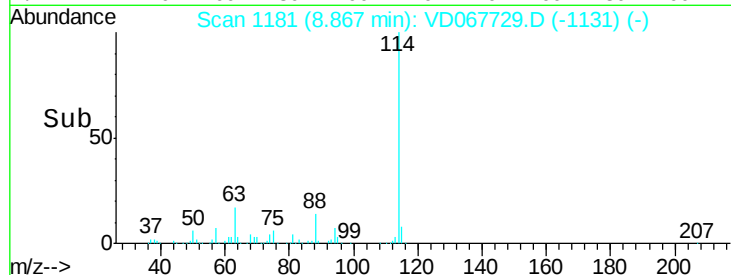
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.0
88	14.3	0.0	33.0



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

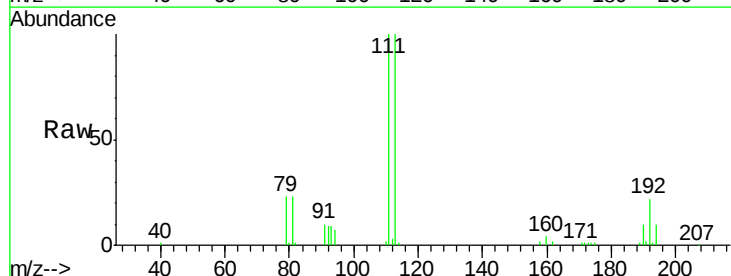


Time-->

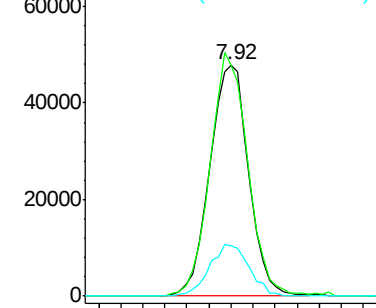


#35
 Dibromofluoromethane
 Concen: 51.605 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067729.D
 Acq: 20 Nov 2020 17:15

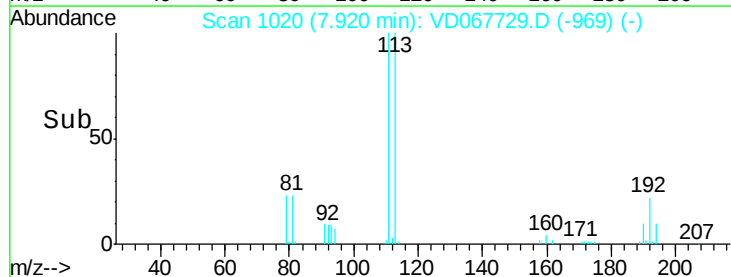
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.0	120.0
192	22.8	16.3	24.5

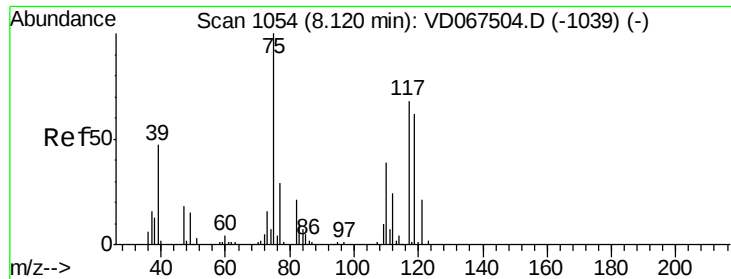


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

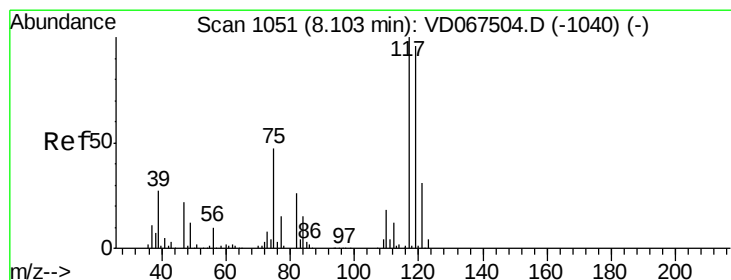
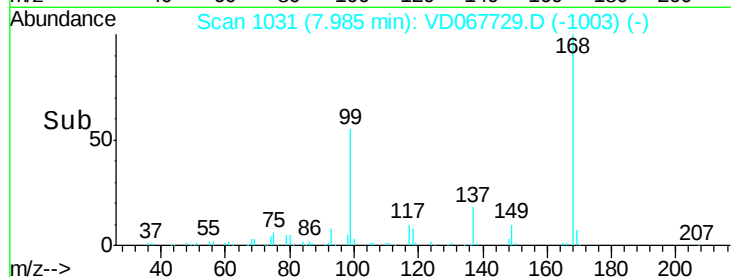
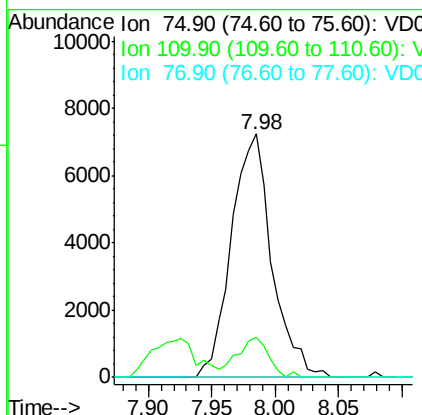
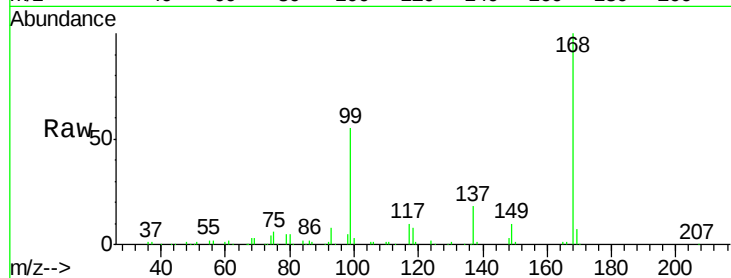




#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067729.D
 Acq: 20 Nov 2020 17:15

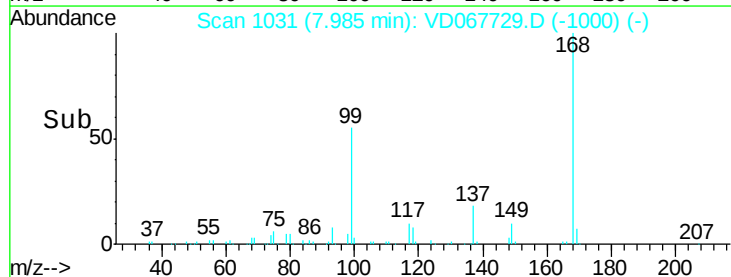
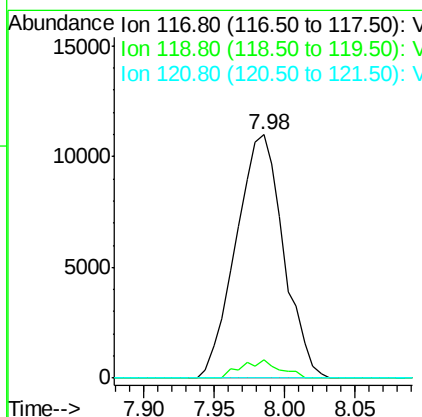
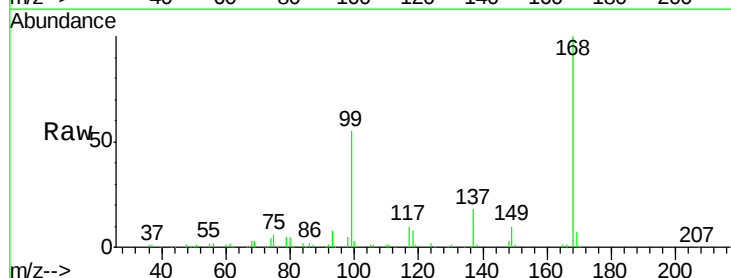
Instrument :
 MSVOA_D
 ClientSampleId :

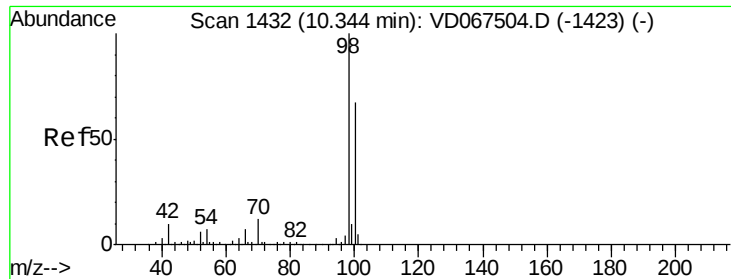
Tot Ion: 75 Resp: 16059
 Ion Ratio Lower Upper
 75 100
 110 12.7 19.9 59.7#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.134 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD067729.D
 Acq: 20 Nov 2020 17:15

Tgt Ion: 117 Resp: 25890
 Ion Ratio Lower Upper
 117 100
 119 7.5 76.9 115.3#
 121 0.0 24.5 36.7#

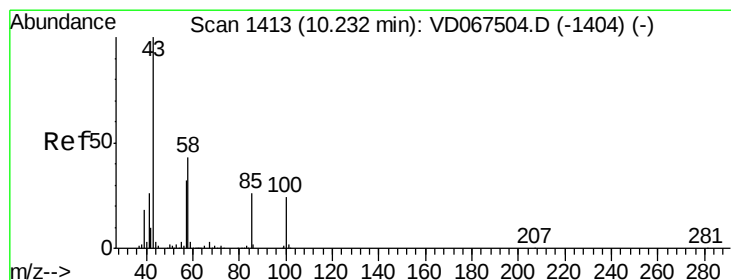
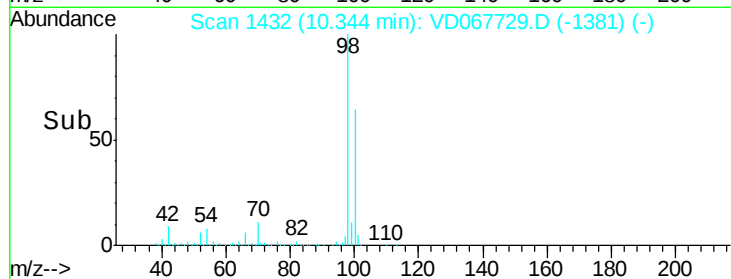
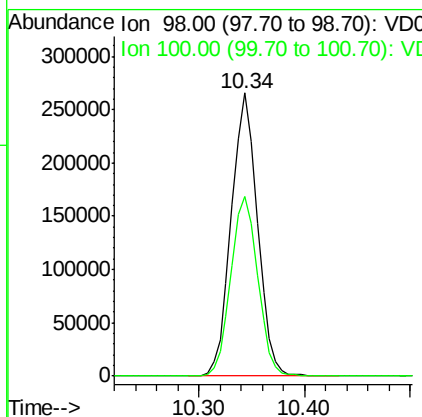
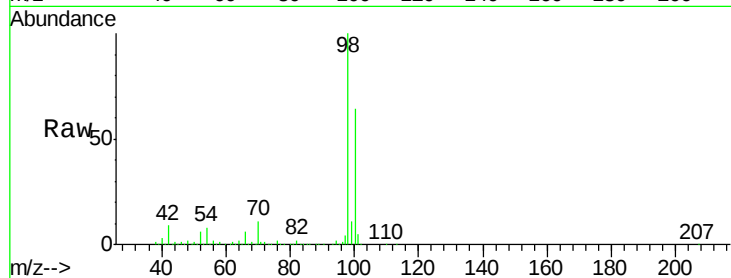




#50
Toluene-d8
Concen: 56.865 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067729.D
Acq: 20 Nov 2020 17:15

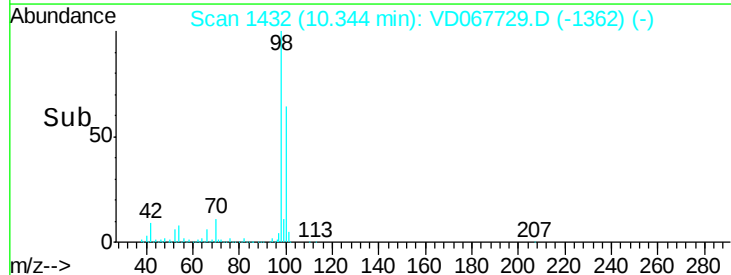
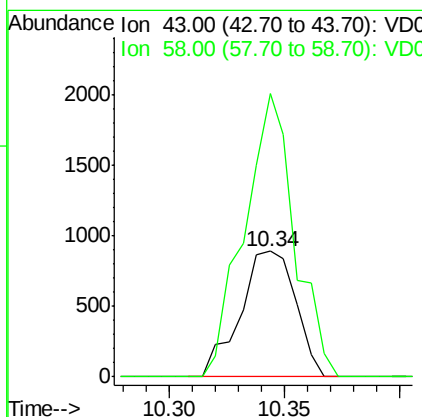
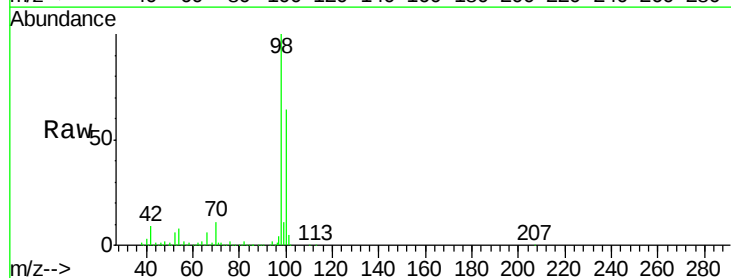
Instrument :
MSVOA_D
ClientSampleId :

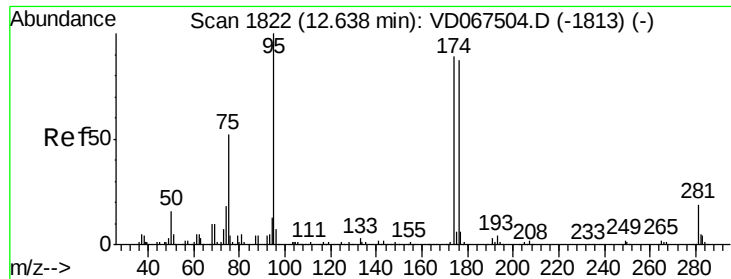
Tot Ion: 98 Resp: 456945
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.867 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067729.D
Acq: 20 Nov 2020 17:15

Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 204.4 35.6 53.4#

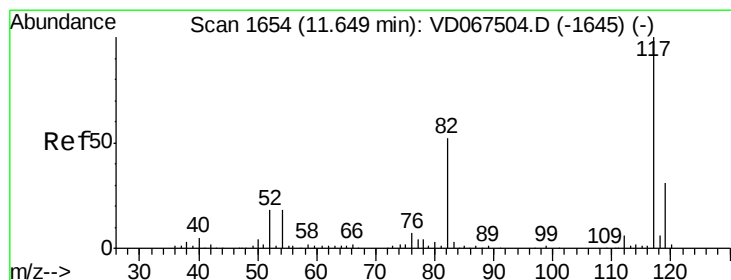
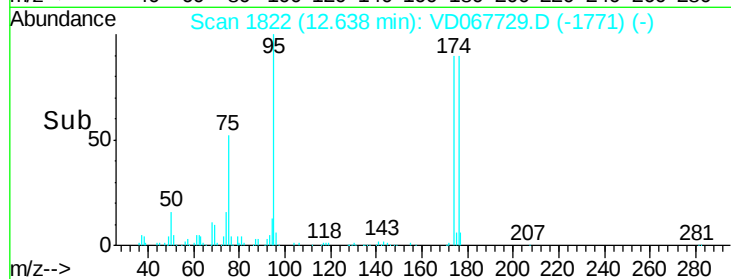
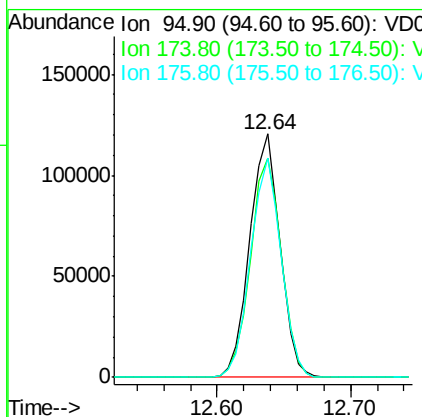
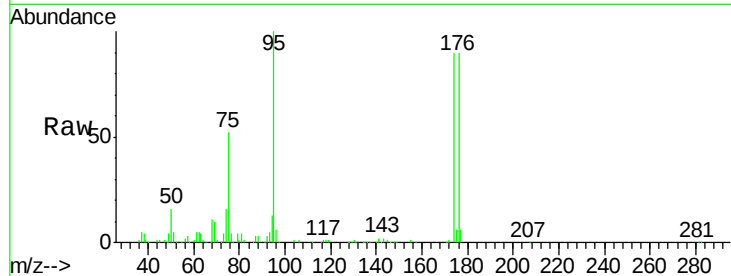




#62
4-Bromofluorobenzene
Concen: 67.818 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067729.D
Acq: 20 Nov 2020 17:15

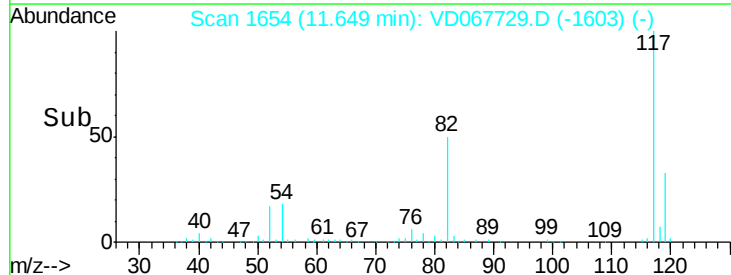
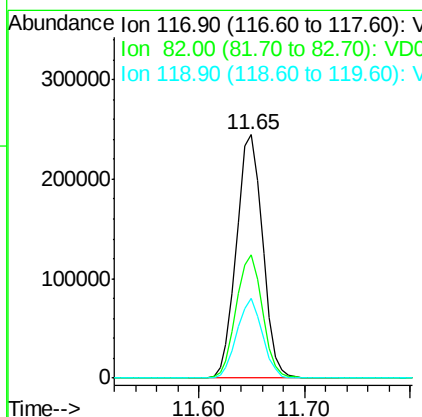
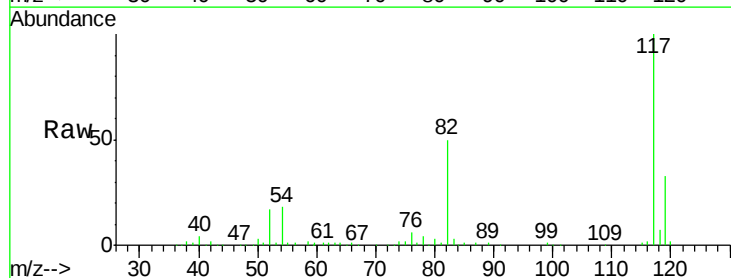
Instrument :
MSVOA_D
ClientSampleId :

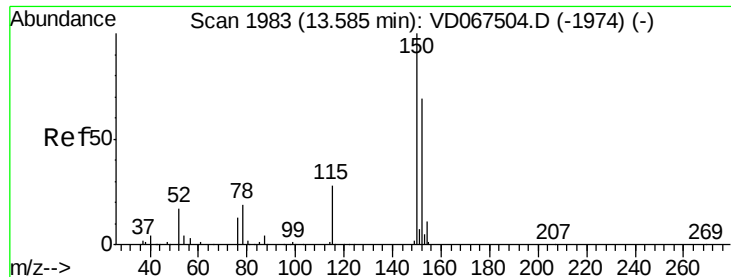
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	177.8
176	90.7	0.0	172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067729.D
Acq: 20 Nov 2020 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.5	41.6	62.4
119	32.7	25.1	37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067729.D

Acq: 20 Nov 2020 17:15

Instrument :

MSVOA_D

ClientSampled :

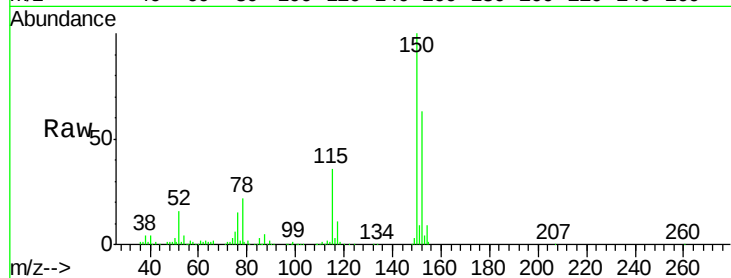
Tot Ion:152 Resp: 221232

Ion Ratio Lower Upper

152 100

115 59.2 29.3 88.0

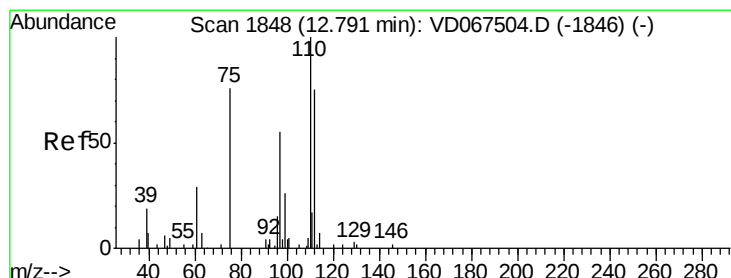
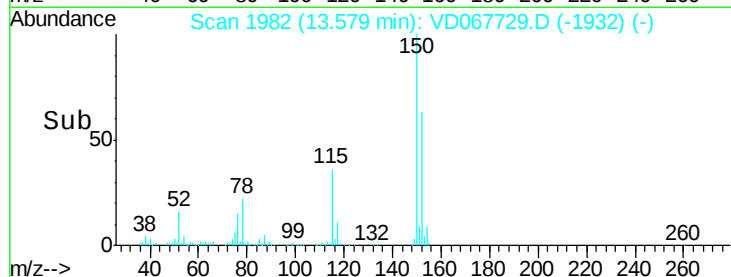
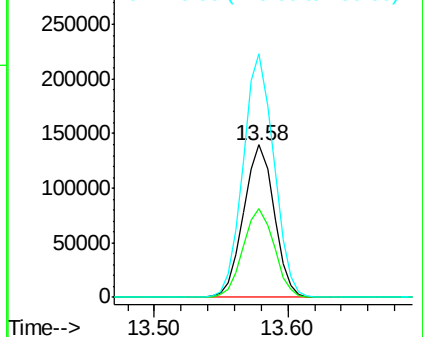
150 160.3 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 72.971 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067729.D

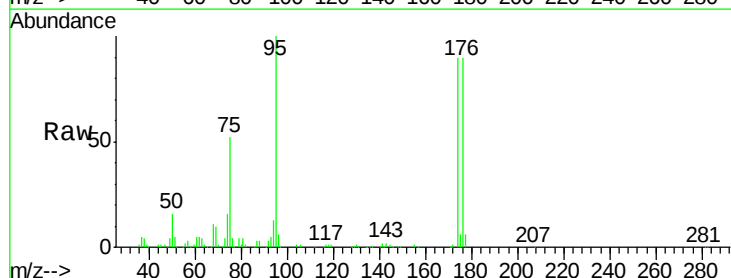
Acq: 20 Nov 2020 17:15

Tgt Ion: 75 Resp: 97387

Ion Ratio Lower Upper

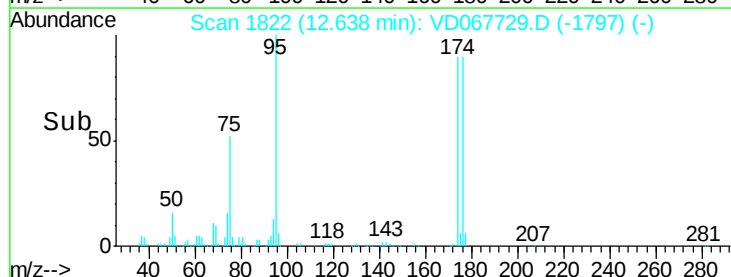
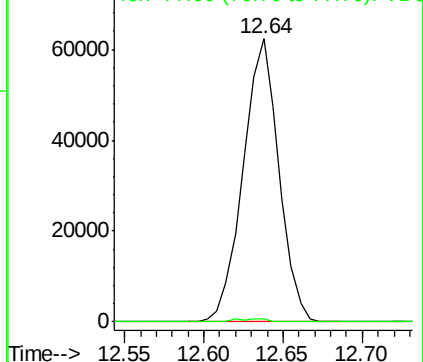
75 100

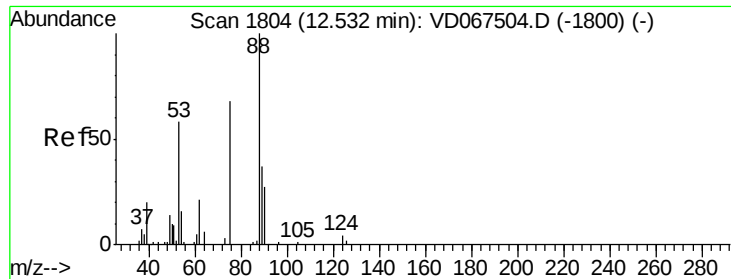
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 148.151 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067729.D

Acq: 20 Nov 2020 17:15

Instrument :

MSVOA_D

ClientSampleId :

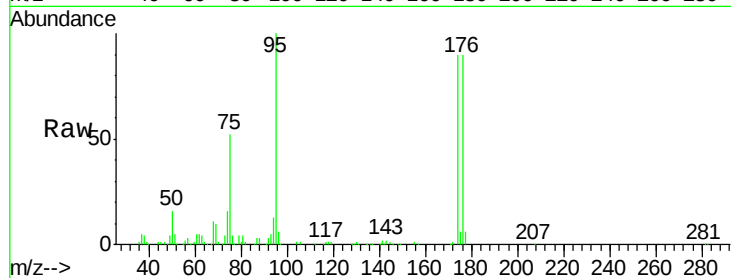
Tot Ion: 75 Resp: 97387

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

89 0.1 44.6 67.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC

