

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100820\
 Data File : VD067191.D
 Acq On : 08 Oct 2020 13:42
 Operator : VA/SY
 Sample : L4230-09
 Misc : 6.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2015

Quant Time: Oct 08 16:19:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	368927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	592509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	532604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225656	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	182141	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	7.92	113	193911	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.34	98	690222	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.64	95	213225	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	

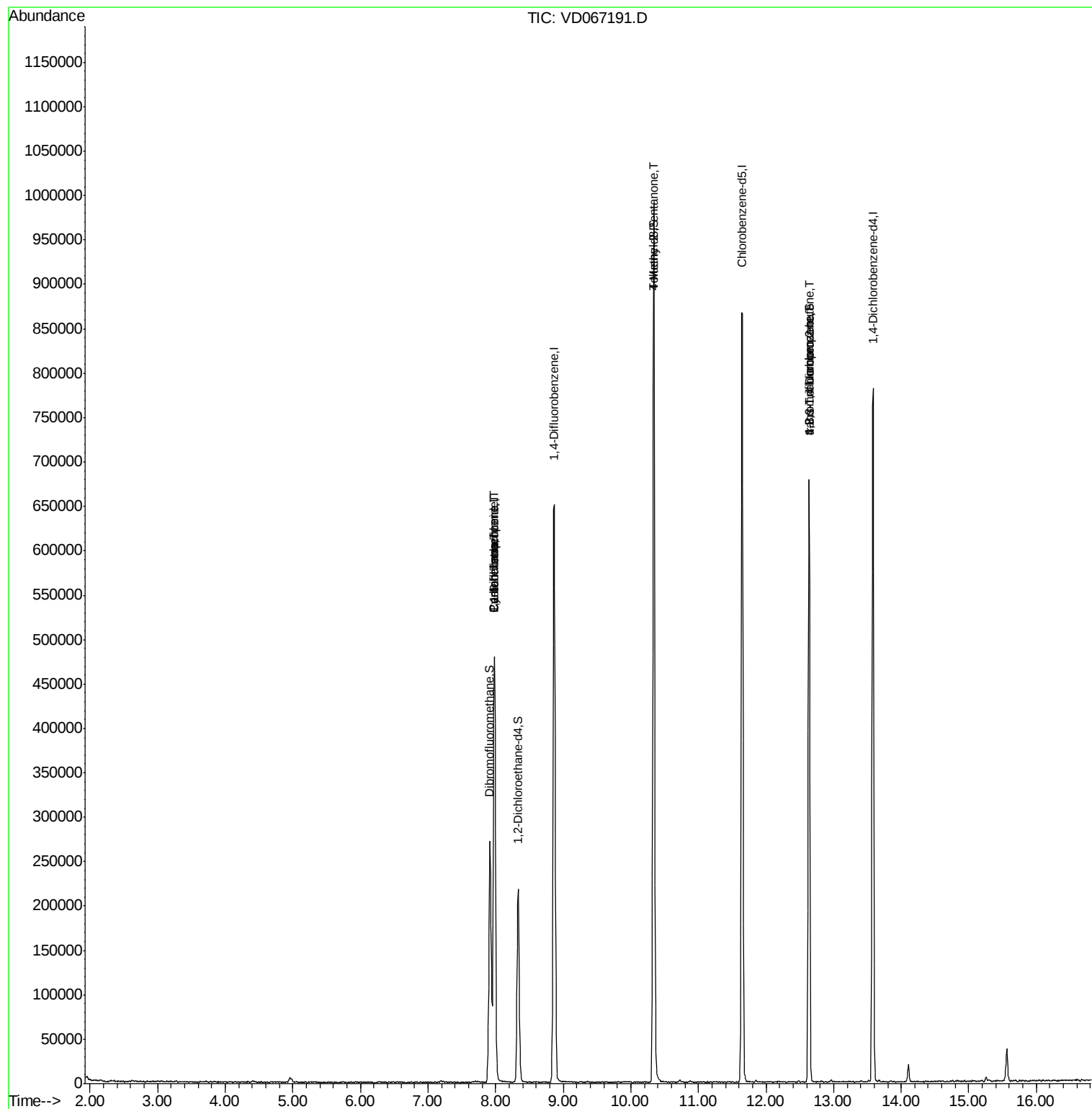
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	353	Below Cal	#	44
5) Bromomethane	2.79	94	319	Below Cal	#	3
11) Tert butyl alcohol	5.23	59	150	Below Cal	#	72
20) Methylene Chloride	4.96	84	3899	Below Cal	#	67
26) 2,2-Dichloropropane	7.22	77	58	Below Cal	#	53
31) Cyclohexane	7.98	56	7523	1.410	ug/l #	20
36) 1,1-Dichloropropene	7.98	75	27596	4.997	ug/l #	52
38) Carbon Tetrachloride	7.98	117	37401	6.259	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	2482	1.414	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	109361	55.639	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	109361	138.716	ug/l #	12

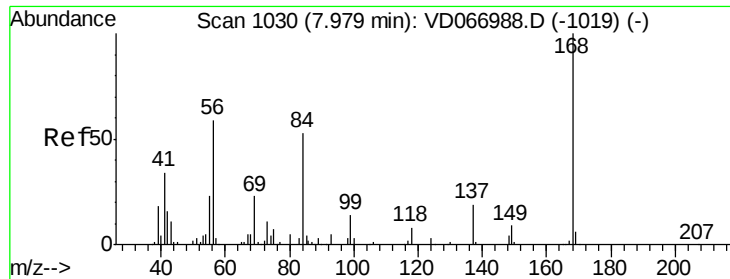
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 08 16:19:19 2020
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067191.D

Acq: 08 Oct 2020 13:42

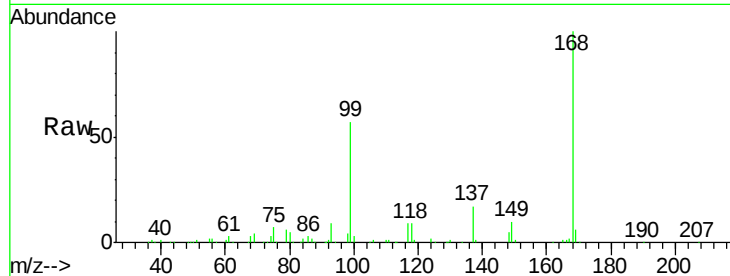
Instrument :
MSVOA_D
ClientSampleId :
2015

Tgt Ion:168 Resp: 368927

Ion Ratio Lower Upper

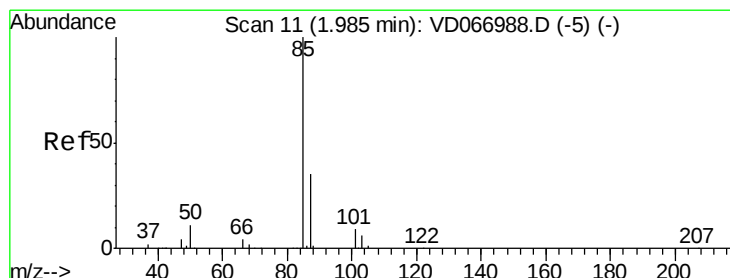
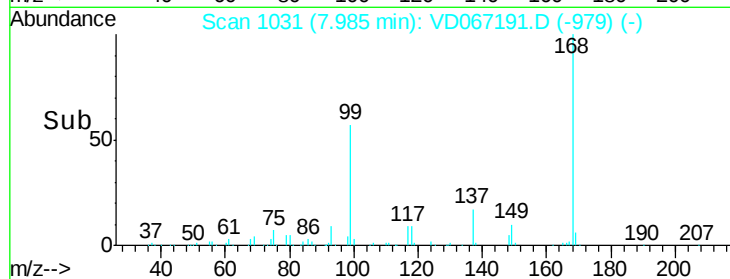
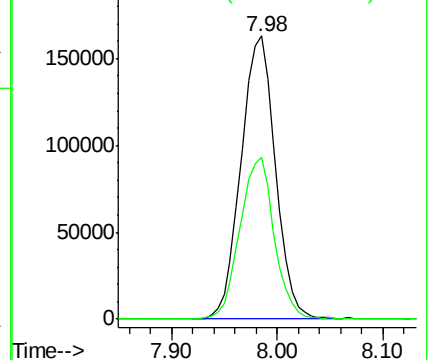
168 100

99 57.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067191.D

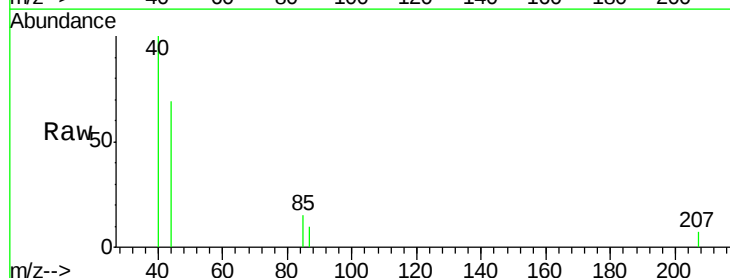
Acq: 08 Oct 2020 13:42

Tgt Ion: 85 Resp: 353

Ion Ratio Lower Upper

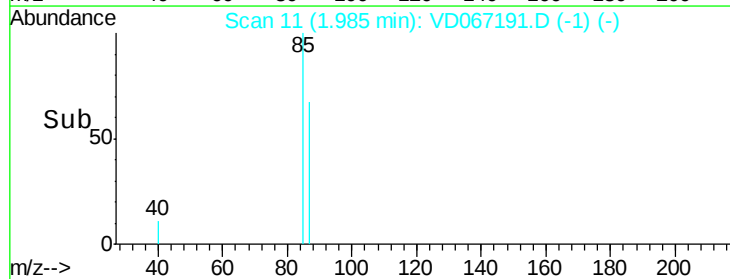
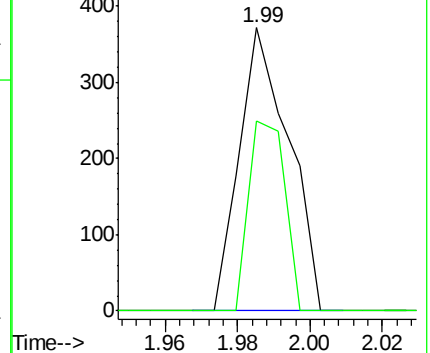
85 100

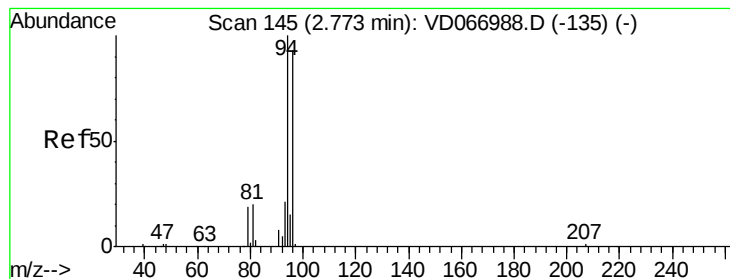
87 66.9 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067191.D

Acq: 08 Oct 2020 13:42

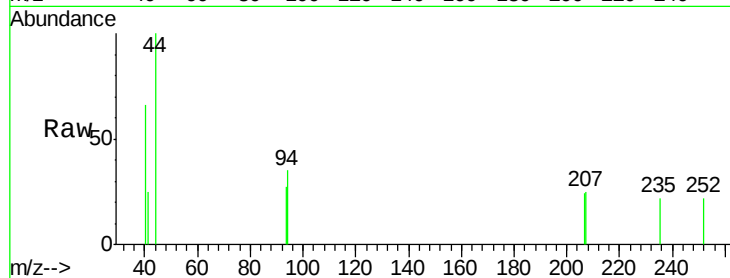
Instrument :
MSVOA_D
ClientSampled :
2015

Tgt Ion: 94 Resp: 319

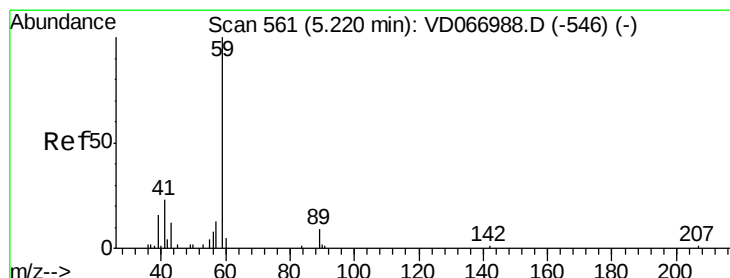
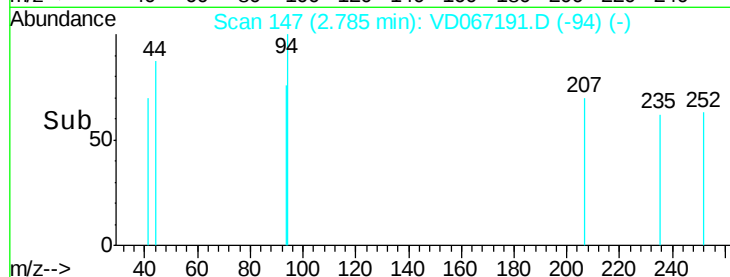
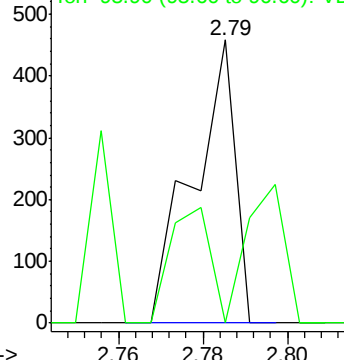
Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD067191.D

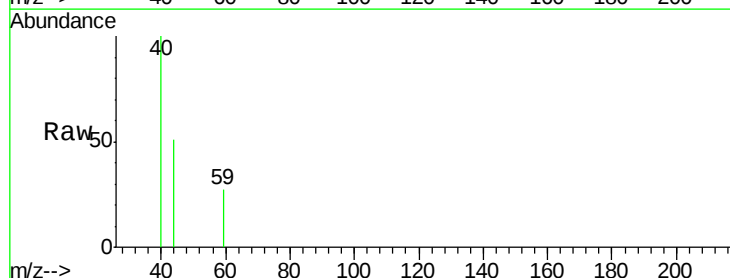
Acq: 08 Oct 2020 13:42

Tgt Ion: 59 Resp: 150

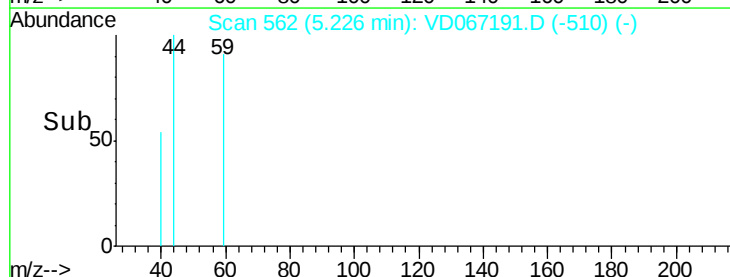
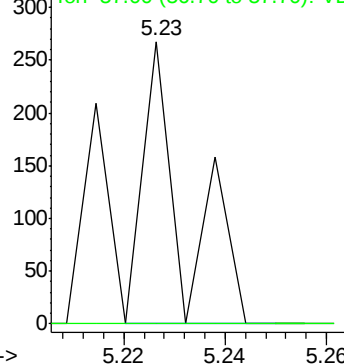
Ion Ratio Lower Upper

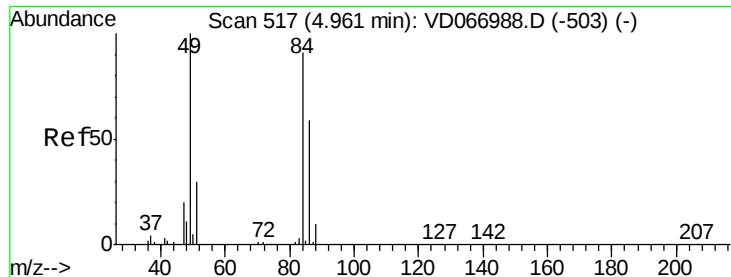
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC





#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067191.D

Acq: 08 Oct 2020 13:42

Instrument :
MSVOA_D
ClientSampleId :
2015

Tgt Ion: 84 Resp: 3899

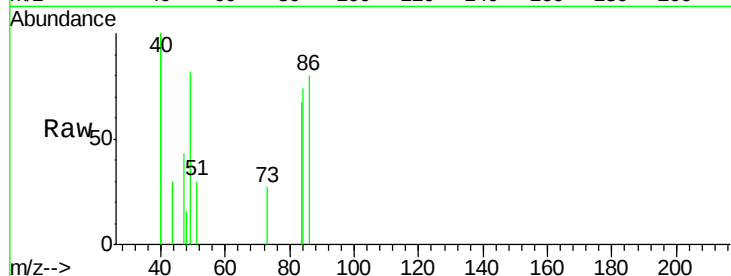
Ion Ratio Lower Upper

84 100

49 57.9 88.2 132.2#

51 21.5 26.6 39.8#

86 56.8 52.1 78.1

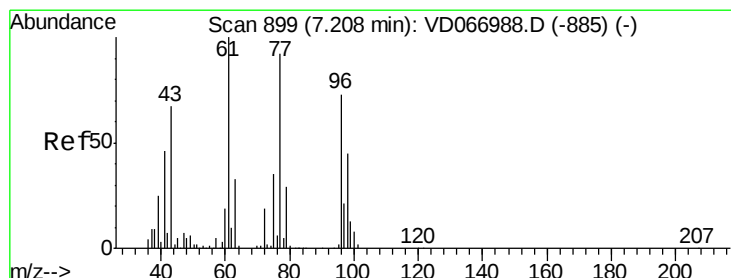
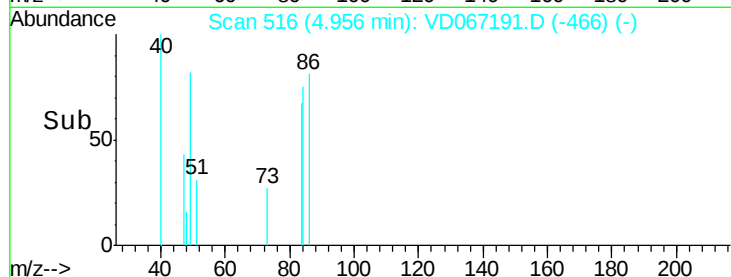
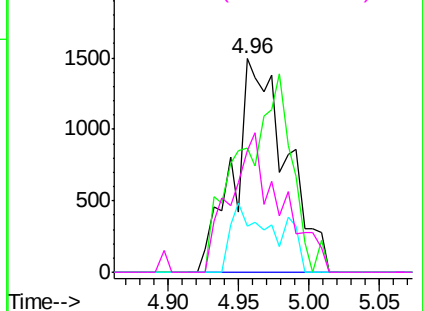


Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067191.D

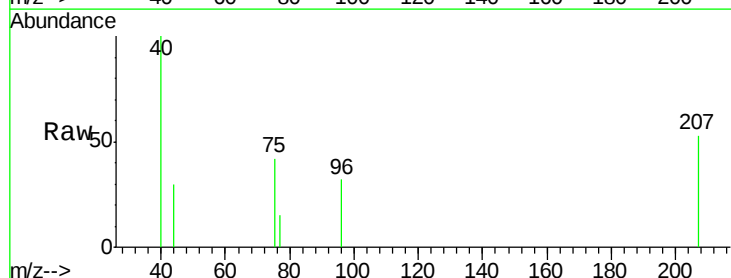
Acq: 08 Oct 2020 13:42

Tgt Ion: 77 Resp: 58

Ion Ratio Lower Upper

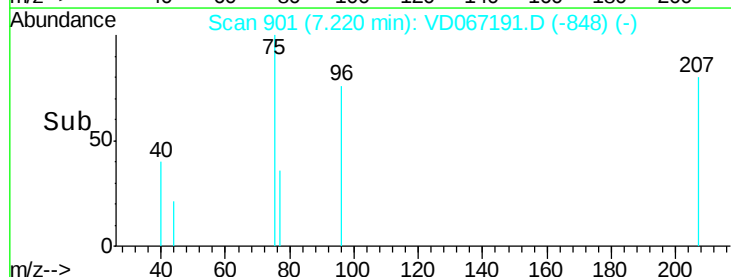
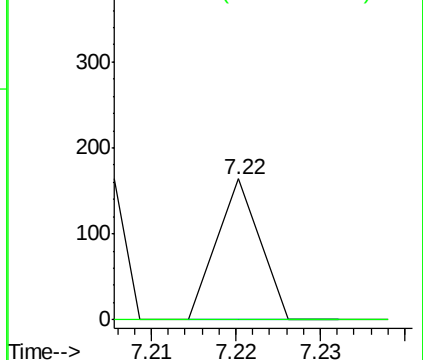
77 100

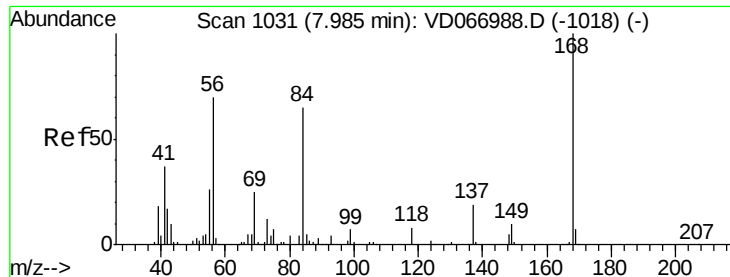
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

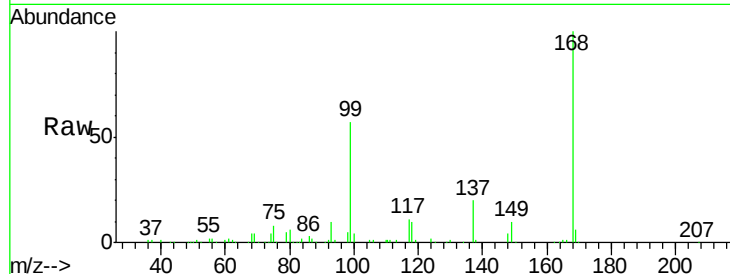




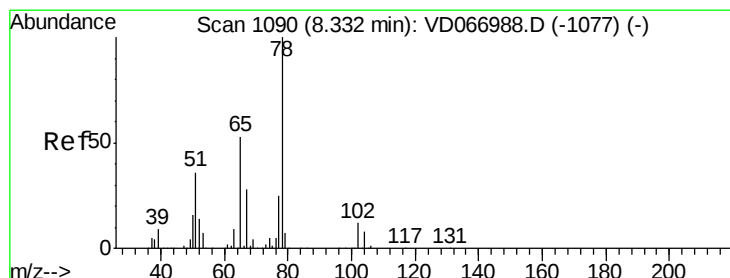
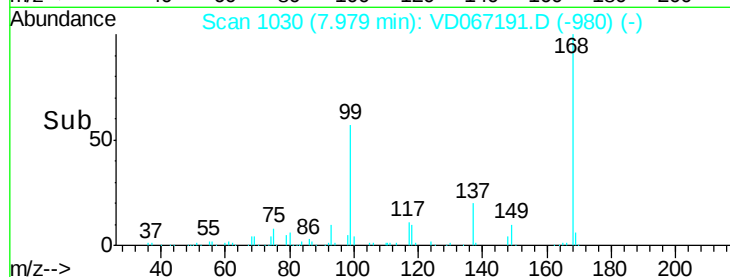
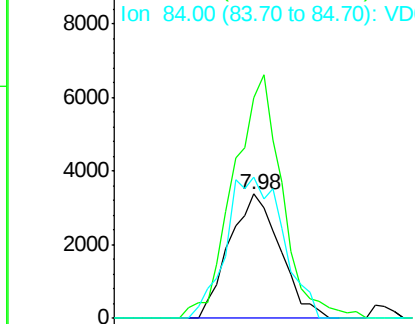
#31
Cyclohexane
Concen: 1.410 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067191.D
Acq: 08 Oct 2020 13:42

Instrument :
MSVOA_D
ClientSampled :
2015

Tgt Ion: 56 Resp: 7523
Ion Ratio Lower Upper
56 100
69 171.0 29.0 43.6#
84 113.6 74.2 111.2#

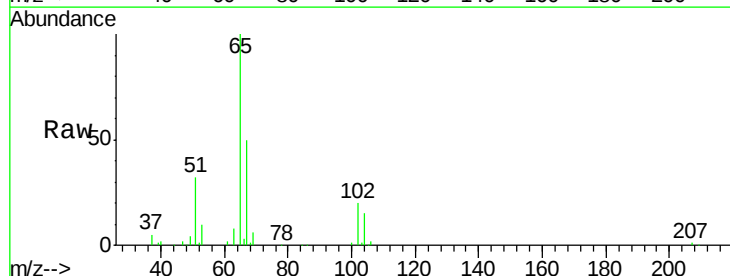


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

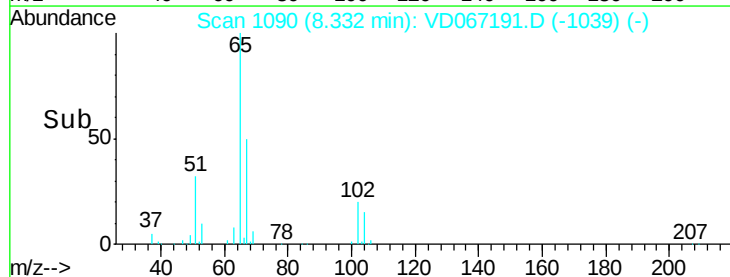
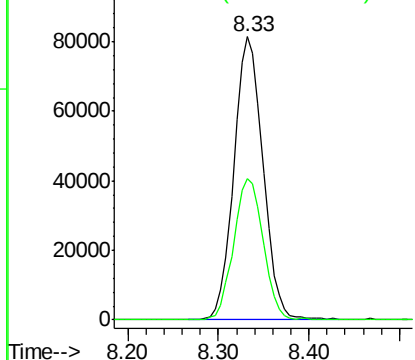


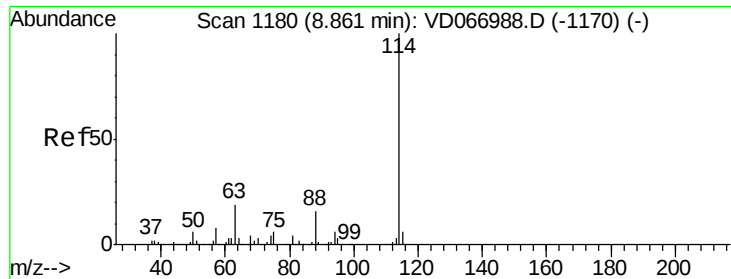
#33
1,2-Dichloroethane-d4
Concen: 51.257 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067191.D
Acq: 08 Oct 2020 13:42

Tgt Ion: 65 Resp: 182141
Ion Ratio Lower Upper
65 100
67 50.4 0.0 106.8



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

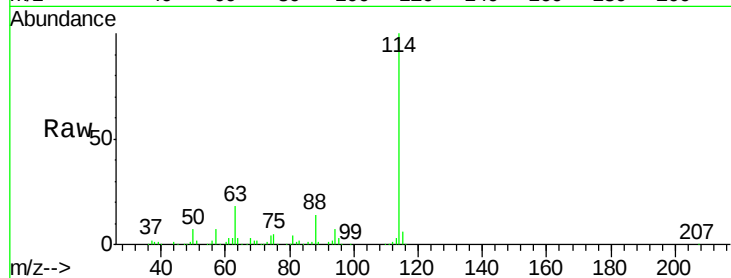




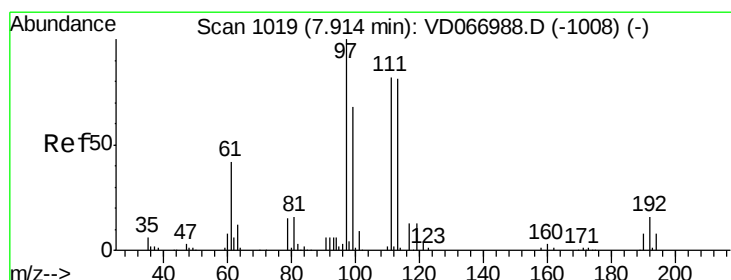
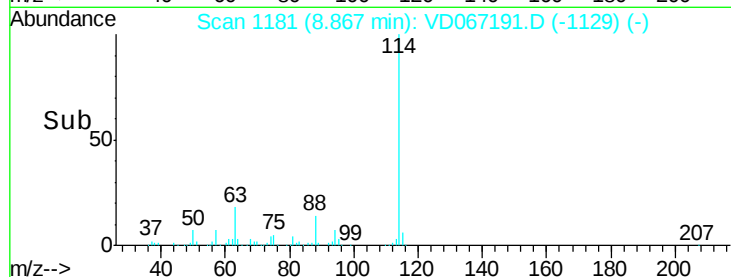
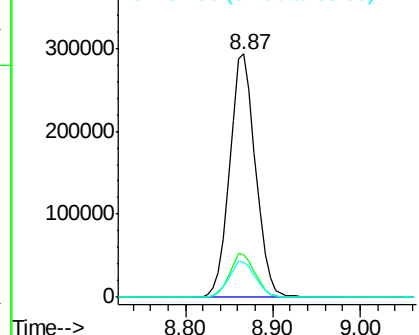
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067191.D
 Acq: 08 Oct 2020 13:42

Instrument :
 MSVOA_D
 ClientSampleId :
 2015

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	38.4
88	14.3	0.0	31.2

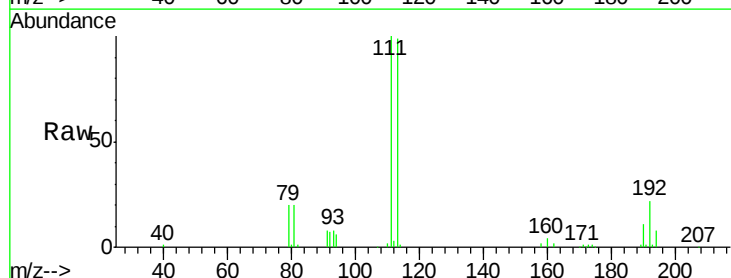


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

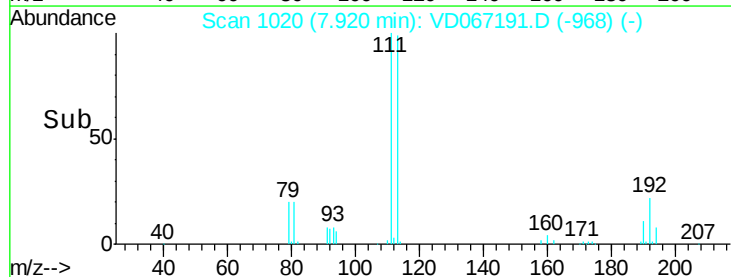
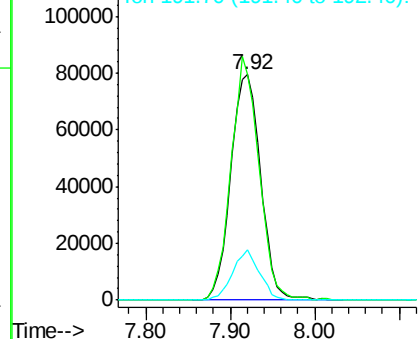


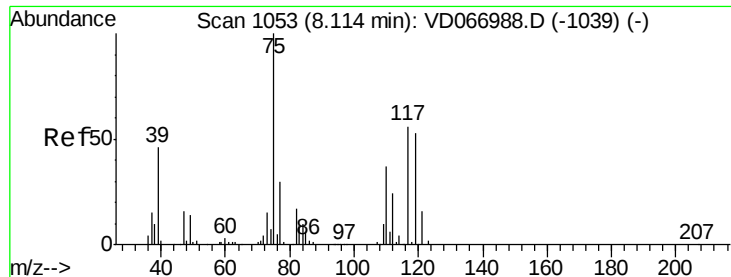
#35
 Dibromofluoromethane
 Concen: 49.989 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067191.D
 Acq: 08 Oct 2020 13:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.0	124.4
192	20.0	15.5	23.3



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

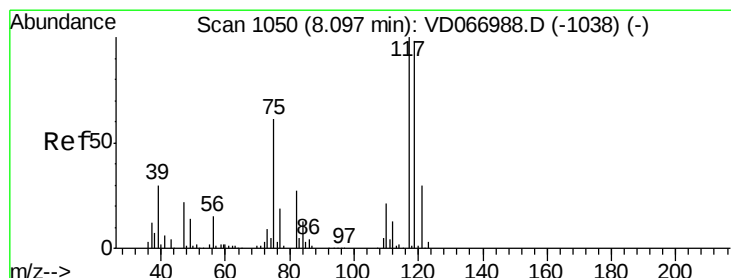
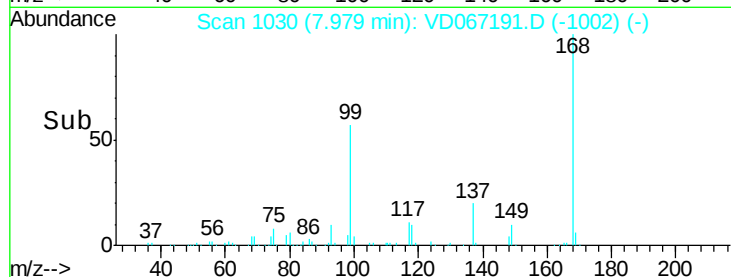
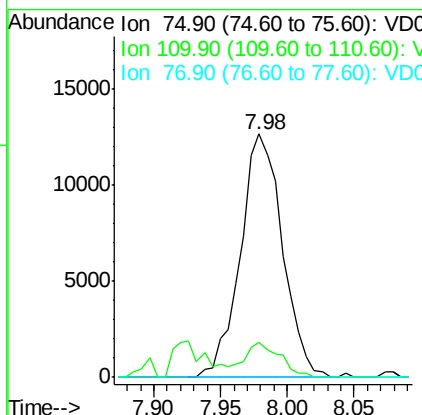
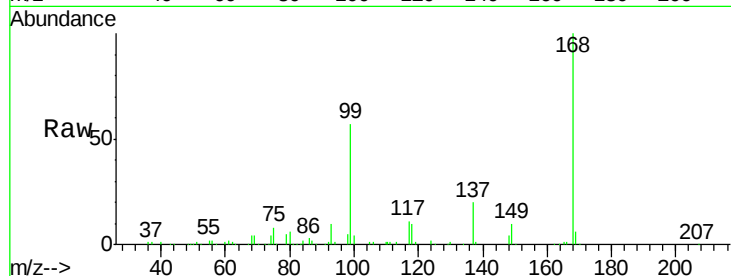




#36
 1,1-Dichloropropene
 Concen: 4.997 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067191.D
 Acq: 08 Oct 2020 13:42

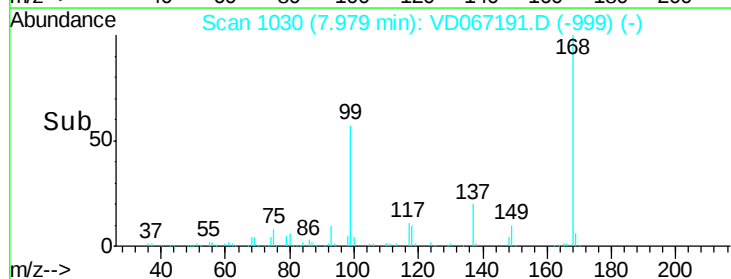
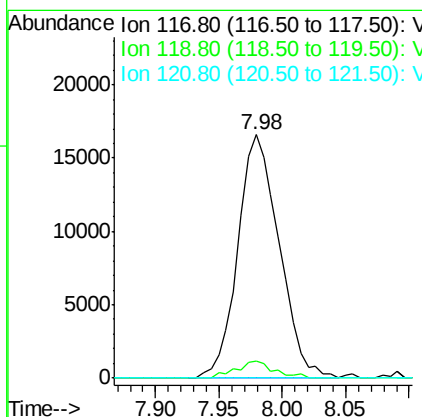
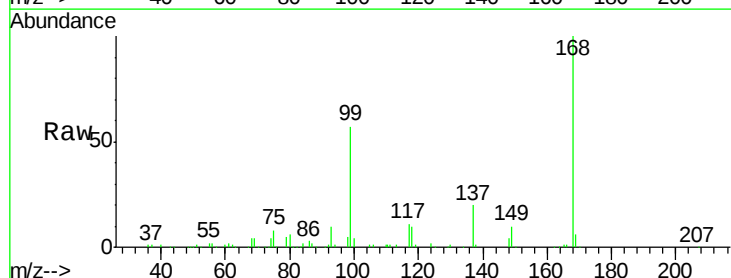
Instrument :
 MSVOA_D
 ClientSampleId :
 2015

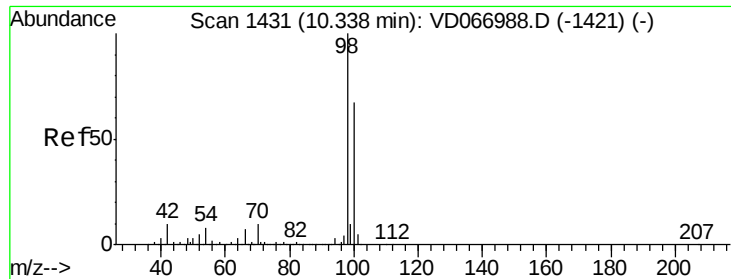
Tgt Ion: 75 Resp: 27596
 Ion Ratio Lower Upper
 75 100
 110 12.1 18.4 55.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.259 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067191.D
 Acq: 08 Oct 2020 13:42

Tgt Ion: 117 Resp: 37401
 Ion Ratio Lower Upper
 117 100
 119 7.1 78.7 118.1#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 48.832 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067191.D

Acq: 08 Oct 2020 13:42

Instrument :

MSVOA_D

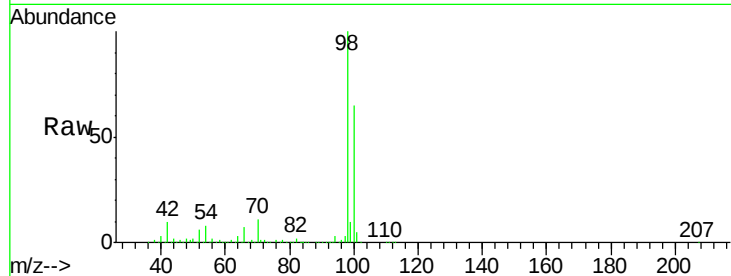
ClientSampled :
2015

Tgt Ion: 98 Resp: 690222

Ion Ratio Lower Upper

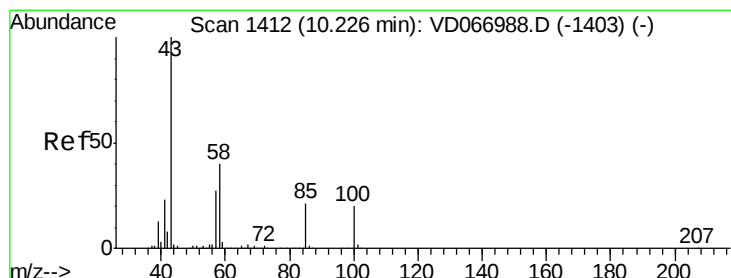
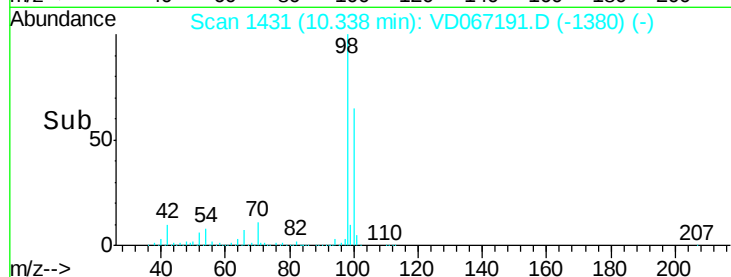
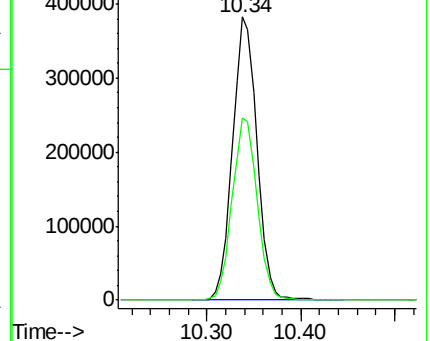
98 100

100 65.6 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.414 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD067191.D

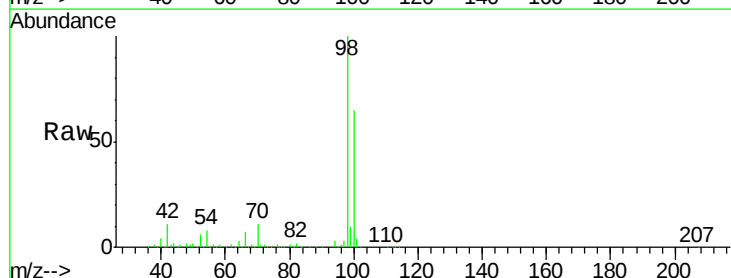
Acq: 08 Oct 2020 13:42

Tgt Ion: 43 Resp: 2482

Ion Ratio Lower Upper

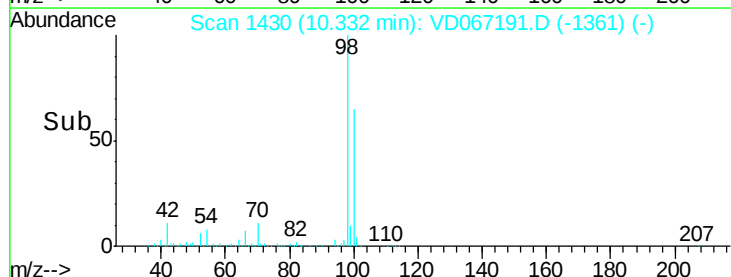
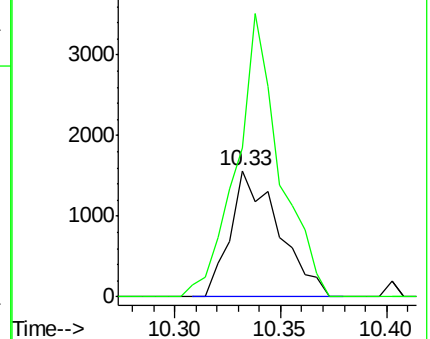
43 100

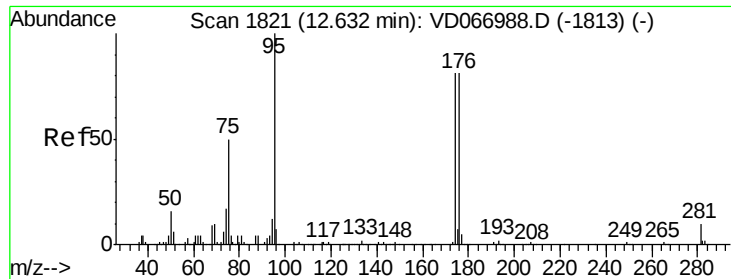
58 200.2 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

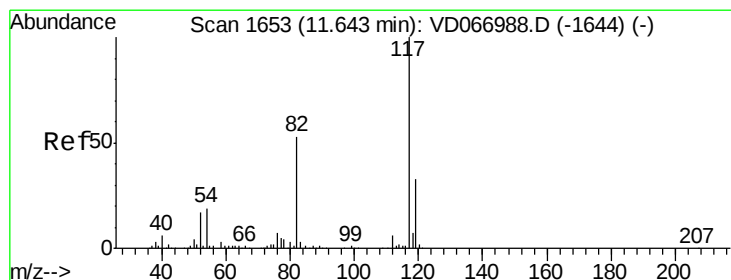
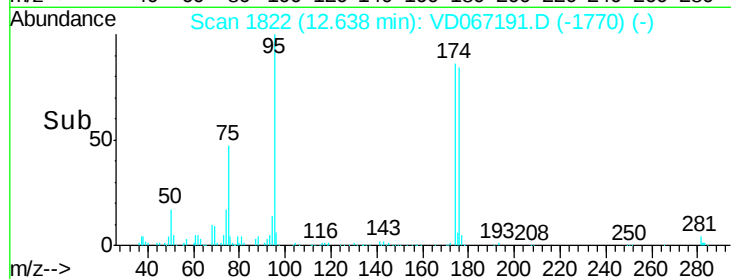
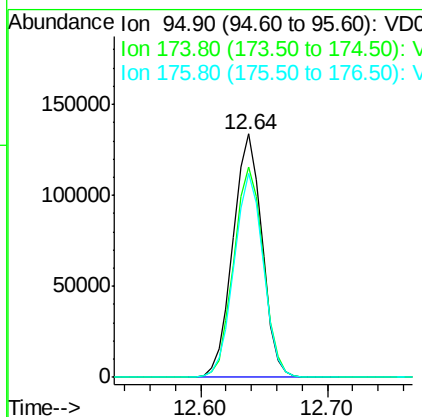
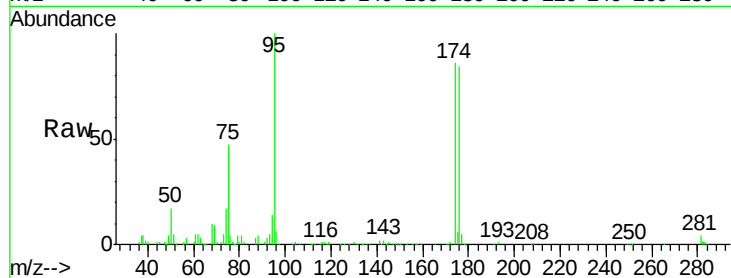




#62
 4-Bromofluorobenzene
 Concen: 44.437 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067191.D
 Acq: 08 Oct 2020 13:42

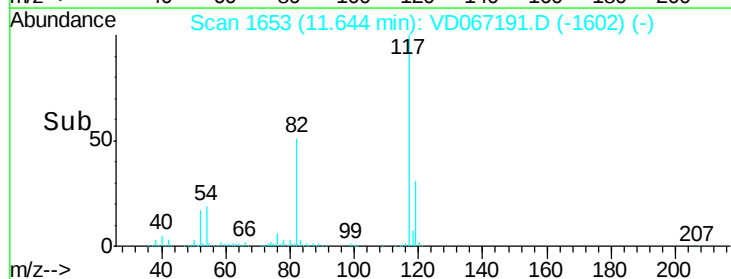
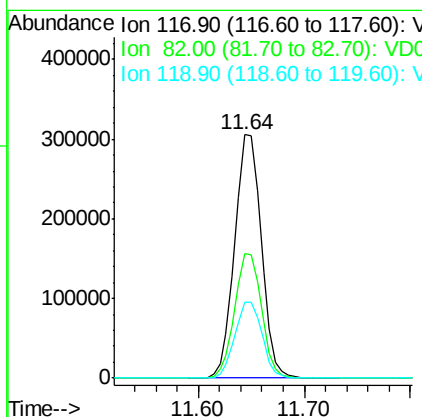
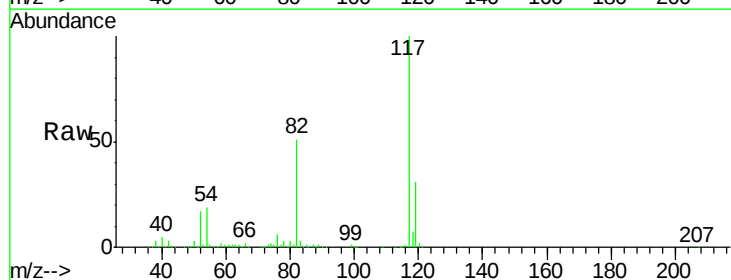
Instrument :
 MSVOA_D
 ClientSampleId :
 2015

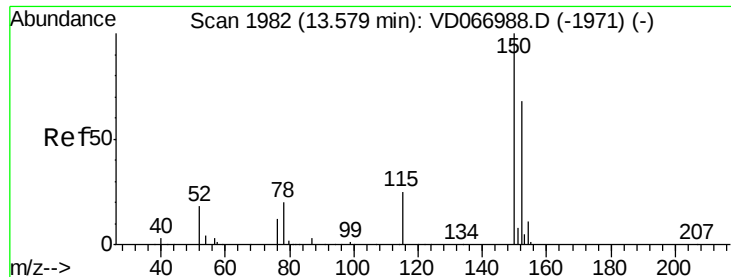
Tgt Ion: 95 Resp: 213225
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 167.6
 176 83.7 0.0 162.4



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.64 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VD067191.D
 Acq: 08 Oct 2020 13:42

Tgt Ion: 117 Resp: 532604
 Ion Ratio Lower Upper
 117 100
 82 51.2 42.6 63.8
 119 31.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067191.D

Acq: 08 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampled :

2015

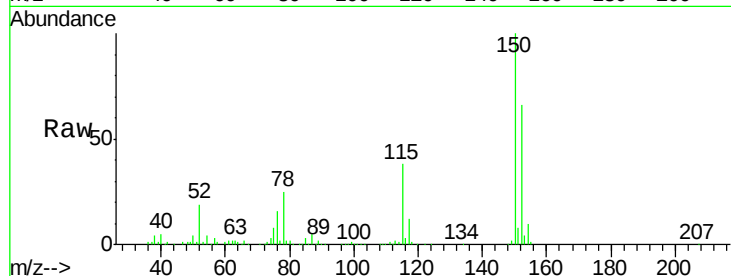
Tgt Ion:152 Resp: 225656

Ion Ratio Lower Upper

152 100

115 57.3 29.6 88.8

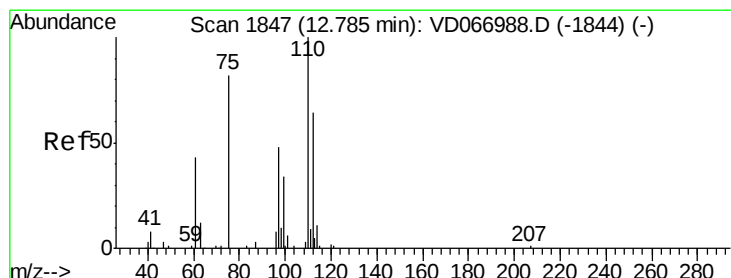
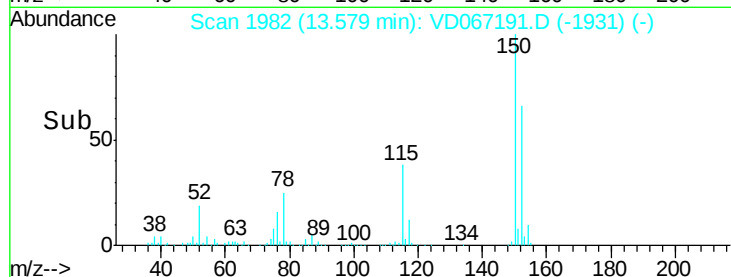
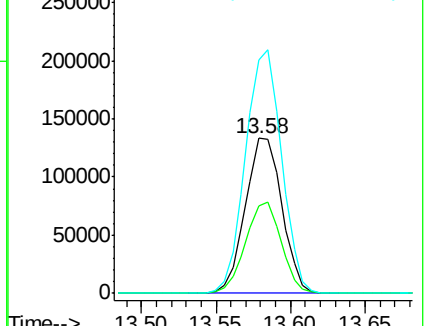
150 155.6 0.0 344.8



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: 55.639 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067191.D

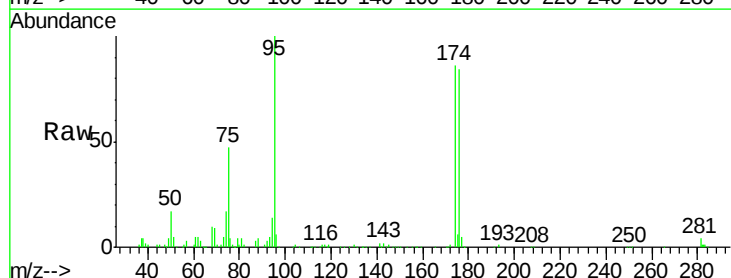
Acq: 08 Oct 2020 13:42

Tgt Ion: 75 Resp: 109361

Ion Ratio Lower Upper

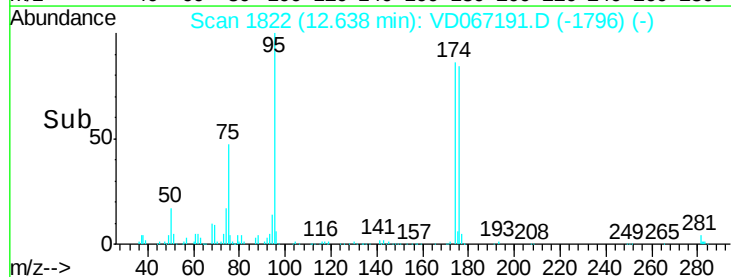
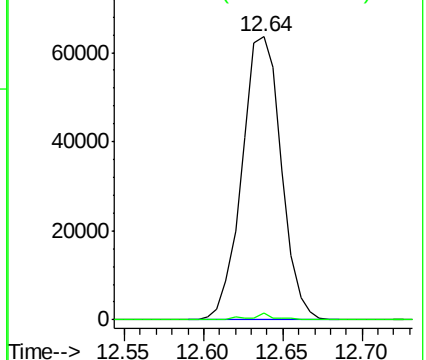
75 100

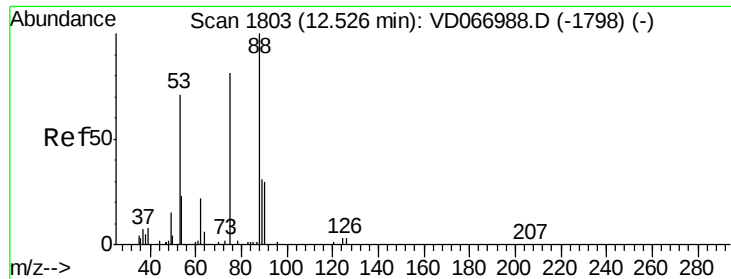
77 1.5 0.0 0.0#



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: 138.716 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067191.D

Acq: 08 Oct 2020 13:42

Instrument :

MSVOA_D

ClientSampleId :
2015

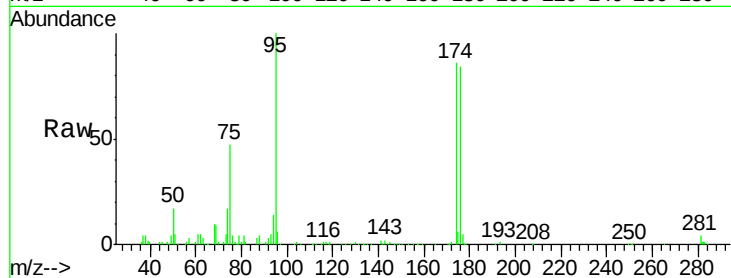
Tgt Ion: 75 Resp: 109361

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 38.9 58.3#



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

