

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067171.D
 Acq On : 08 Oct 2020 01:08
 Operator : VA/SY
 Sample : L4291-01
 Misc : 6.13G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B4-100620-0-1

Quant Time: Oct 08 07:29:29 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	405521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	658491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	597594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279210	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	193116	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
35) Dibromofluoromethane	7.92	113	208996	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.34	98	752793	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.64	95	248169	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

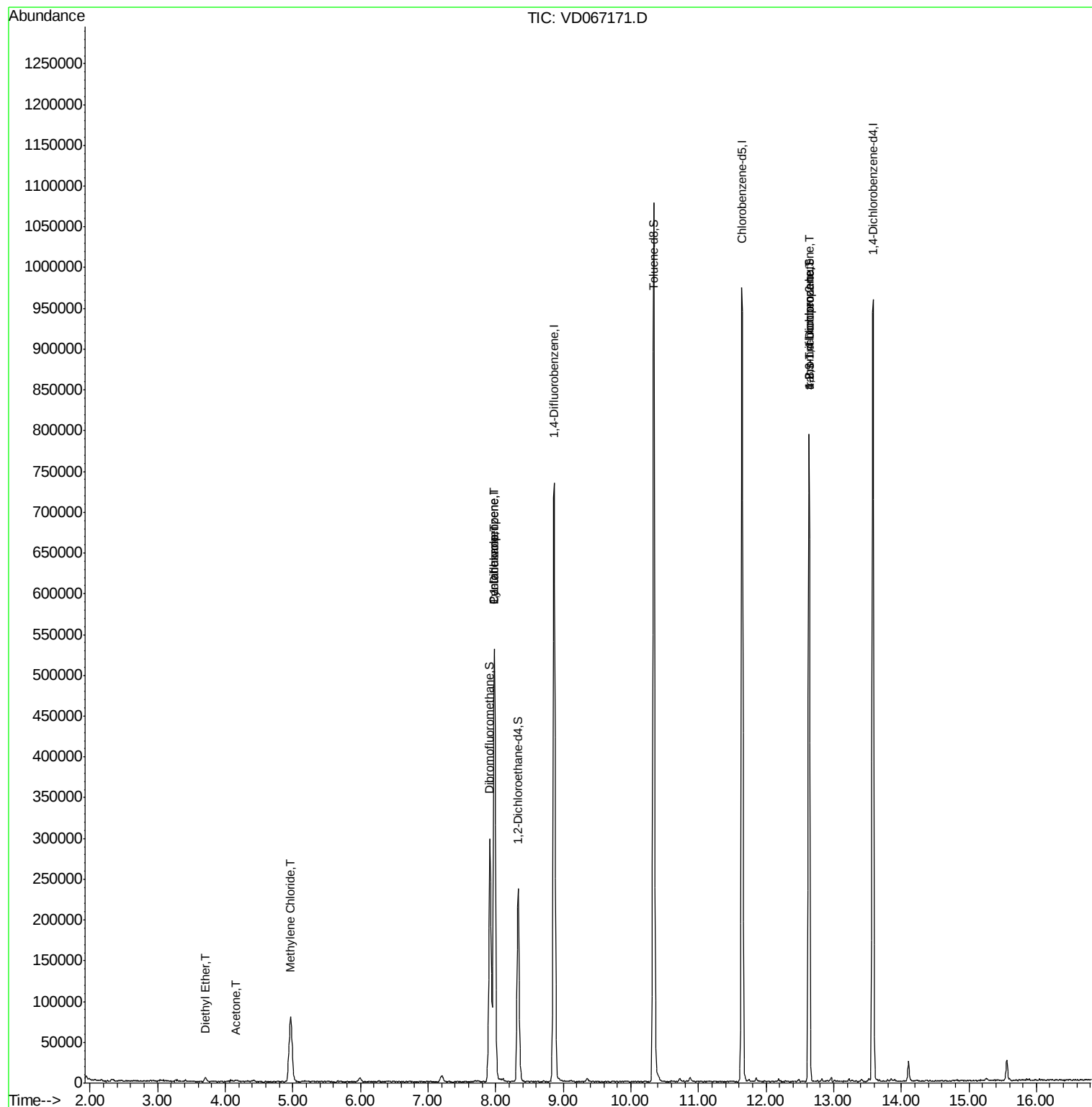
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	923	Below Cal		96
5) Bromomethane	2.79	94	472	Below Cal	#	51
8) Diethyl Ether	3.71	74	3125	1.752	ug/l	86
11) Tert butyl alcohol	5.21	59	979	Below Cal	#	72
16) Acetone	4.16	43	3038	5.095	ug/l	# 69
20) Methylene Chloride	4.96	84	67116	10.050	ug/l	91
26) 2,2-Dichloropropane	7.21	77	679	Below Cal	#	53
31) Cyclohexane	7.97	56	8370	1.427	ug/l	# 38
36) 1,1-Dichloropropene	7.98	75	29802	4.855	ug/l	# 51
76) 1,2,3-Trichloropropane	12.64	75	129099	53.083	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	129099	132.343	ug/l	# 12

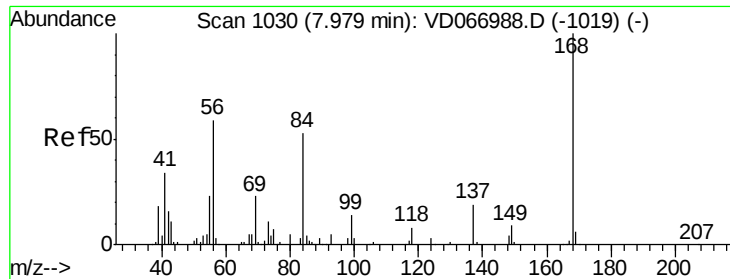
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

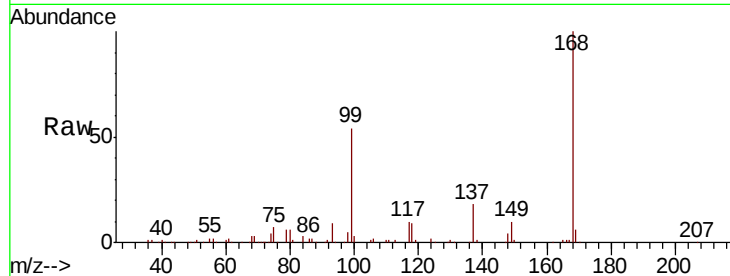




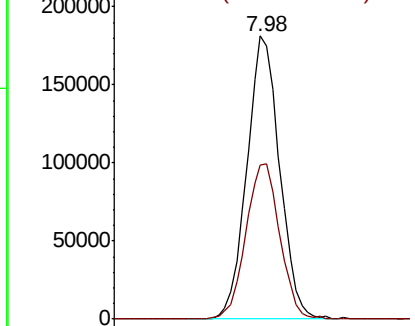
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD067171.D
Acq: 08 Oct 2020 01:08

Instrument :
MSVOA_D
ClientSampleId :
PAV-B4-100620-0-1

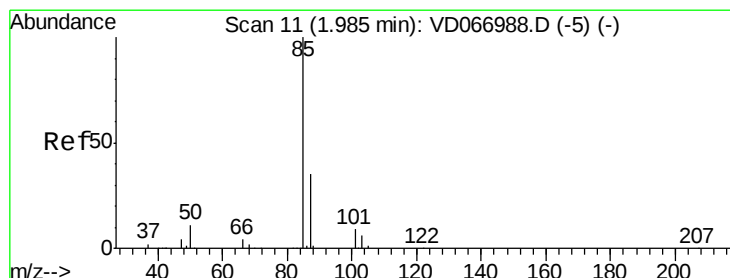
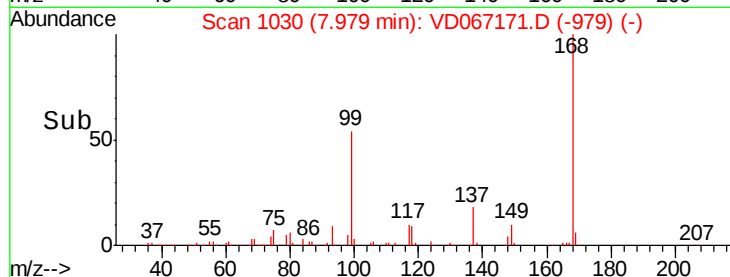
Tot Ion:168 Resp: 405521
Ion Ratio Lower Upper
168 100
99 54.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

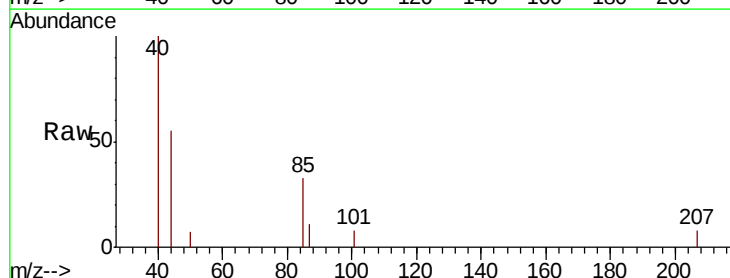


Time-->

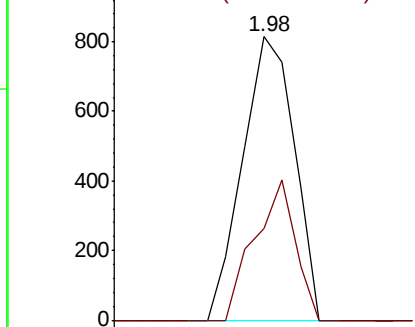


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.98 min Scan# 11
Delta R.T. -0.00 min
Lab File: VD067171.D
Acq: 08 Oct 2020 01:08

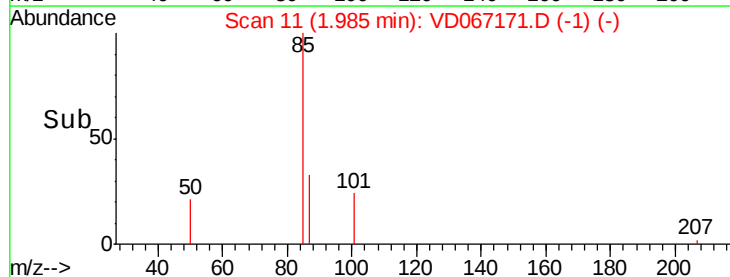
Tgt Ion: 85 Resp: 923
Ion Ratio Lower Upper
85 100
87 32.6 17.3 52.0

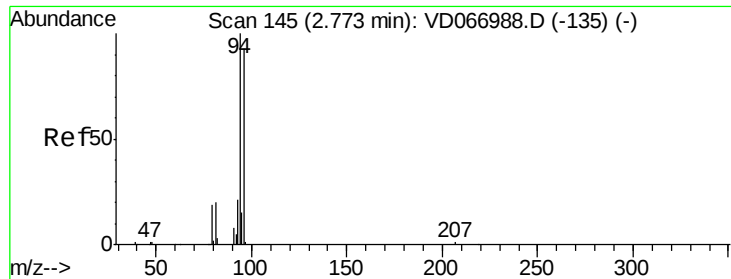


Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC



Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067171.D

Acq: 08 Oct 2020 01:08

Instrument :

MSVOA_D

ClientSampleId :

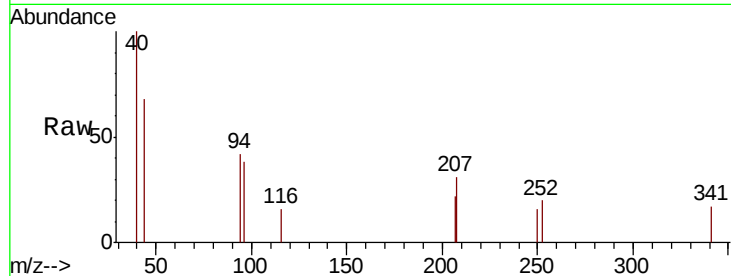
PAV-B4-100620-0-1

Tot Ion: 94 Resp: 472

Ion Ratio Lower Upper

94 100

96 46.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

400

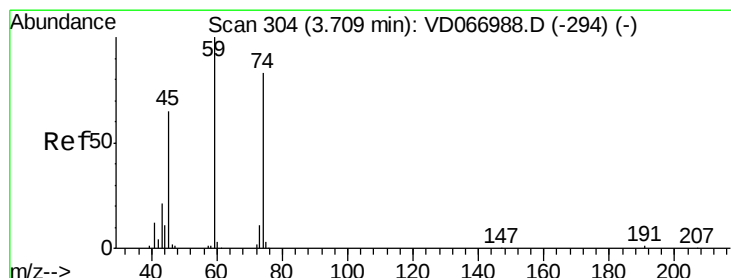
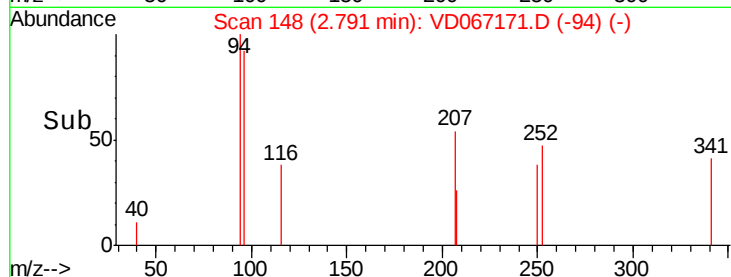
300

200

100

0

Time-->



#8

Diethyl Ether

Concen: 1.752 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD067171.D

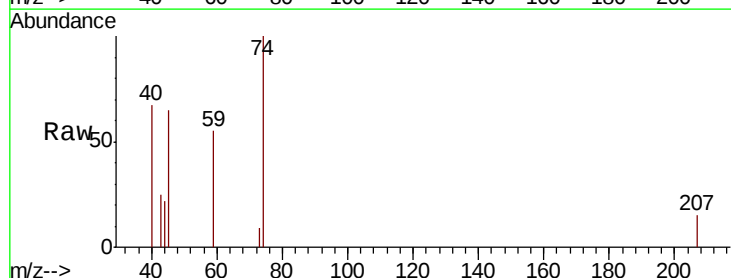
Acq: 08 Oct 2020 01:08

Tgt Ion: 74 Resp: 3125

Ion Ratio Lower Upper

74 100

45 73.3 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

2000

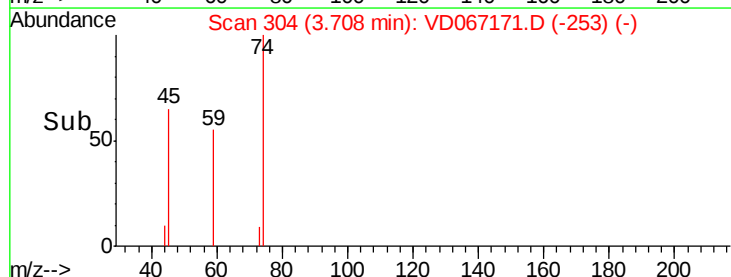
1500

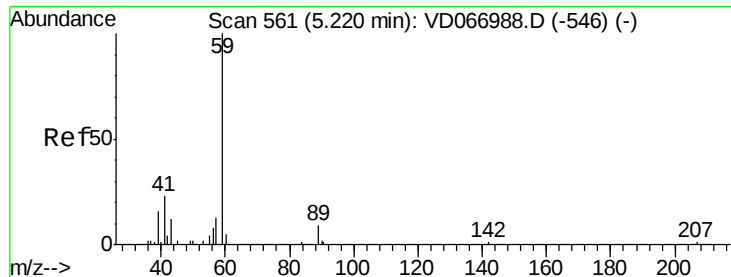
1000

500

0

Time-->



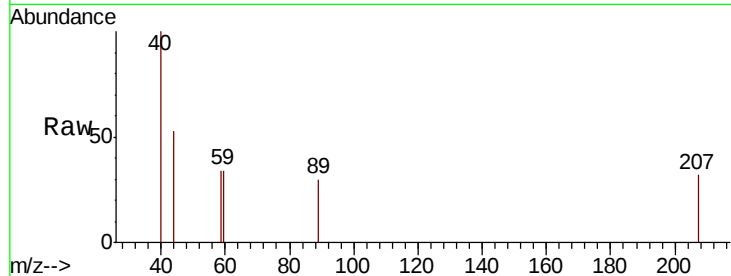


#11

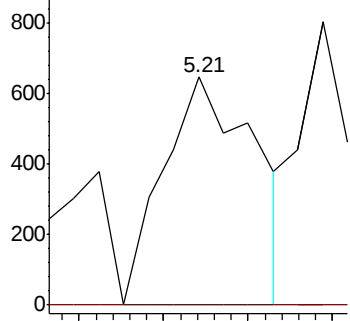
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD067171.D
 Acq: 08 Oct 2020 01:08

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B4-100620-0-1

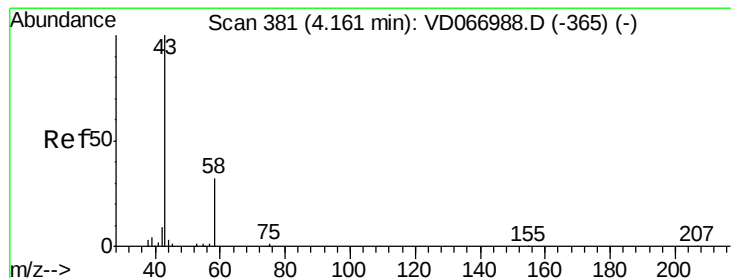
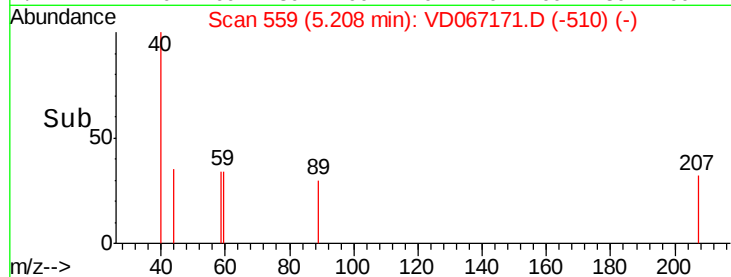
Tot Ion: 59 Resp: 979
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#



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



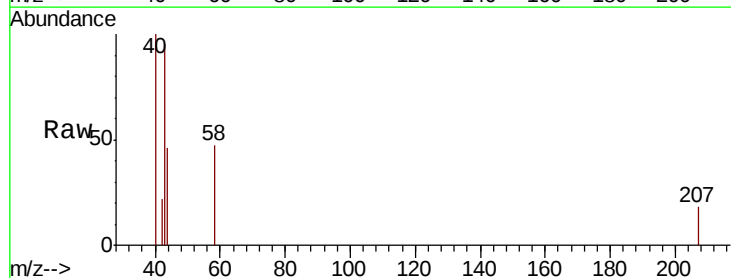
Time-->



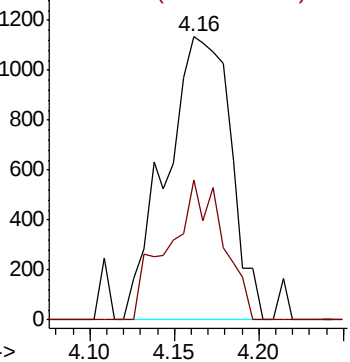
#16

Acetone
 Concen: 5.095 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD067171.D
 Acq: 08 Oct 2020 01:08

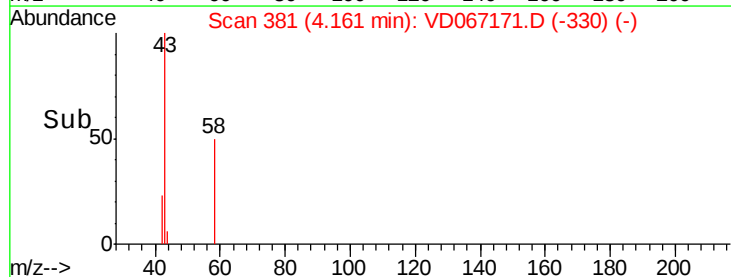
Tgt Ion: 43 Resp: 3038
 Ion Ratio Lower Upper
 43 100
 58 49.6 25.9 38.9#

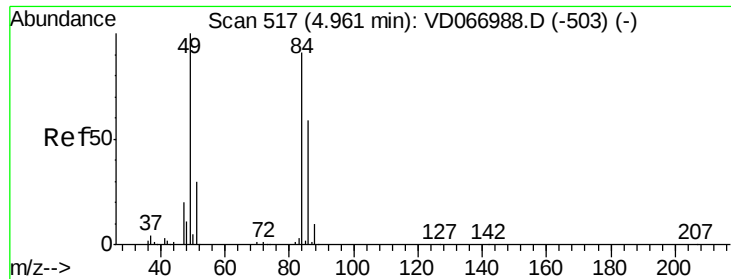


Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC



Time-->

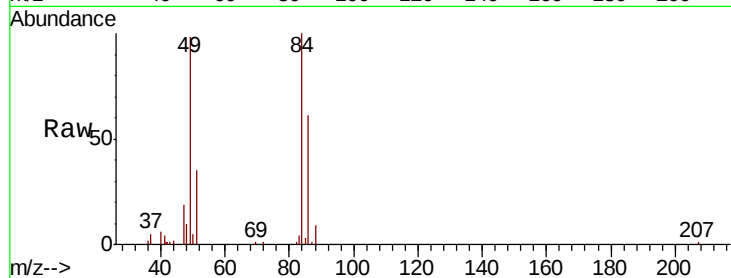




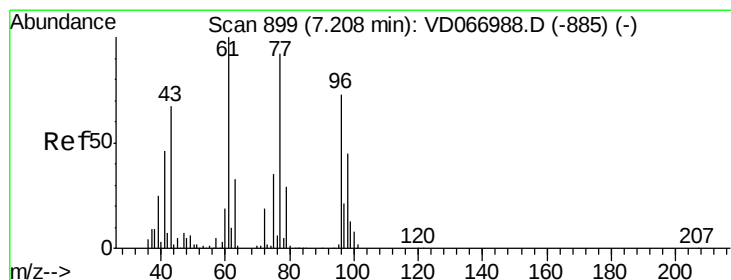
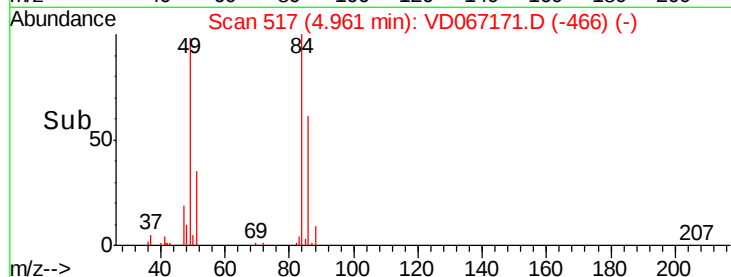
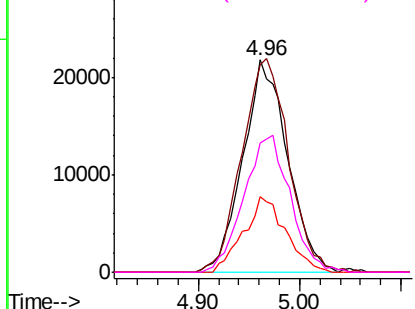
#20
Methvlene Chloride
Concen: 10.050 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067171.D
Acq: 08 Oct 2020 01:08

Instrument :
MSVOA_D
ClientSampleId :
PAV-B4-100620-0-1

Tot Ion: 84 Resp: 67116
Ion Ratio Lower Upper
84 100
49 97.6 88.2 132.2
51 35.5 26.6 39.8
86 60.9 52.1 78.1

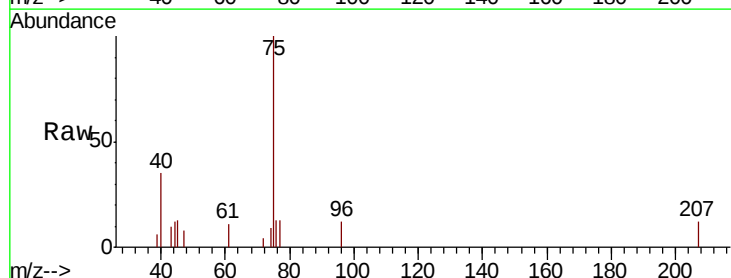


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

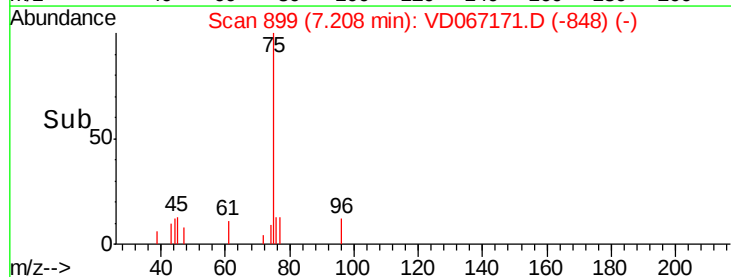
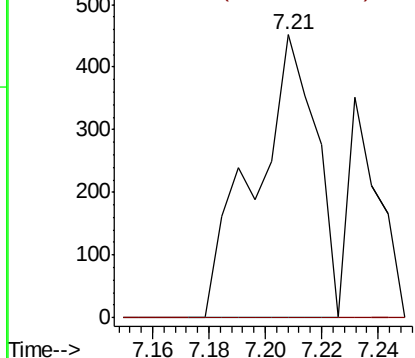


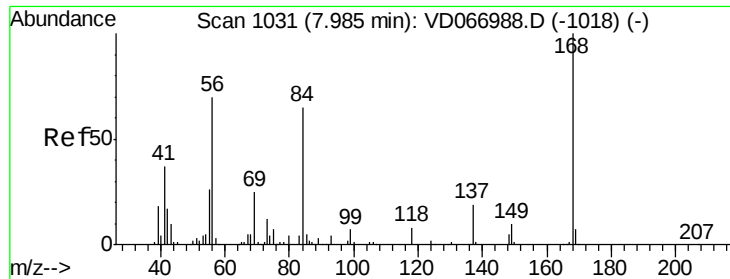
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067171.D
Acq: 08 Oct 2020 01:08

Tgt Ion: 77 Resp: 679
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

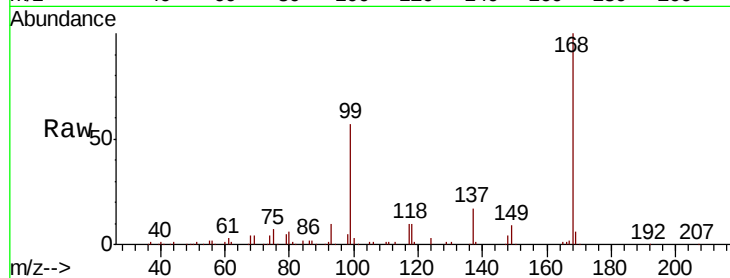




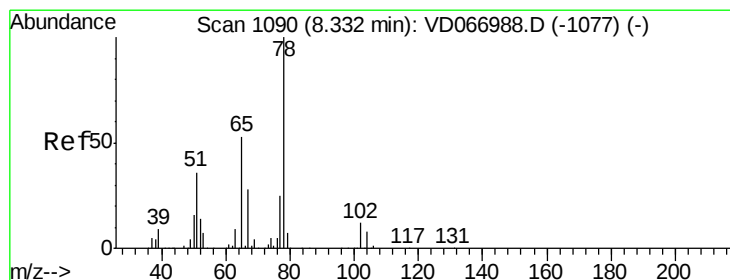
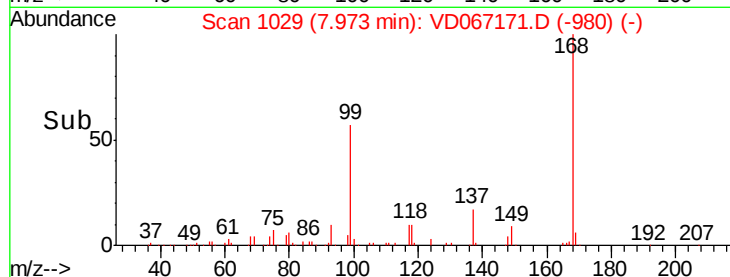
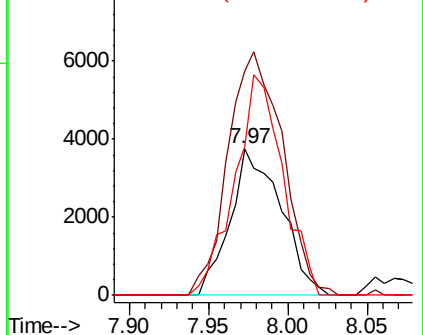
#31
Cyclohexane
Concen: 1.427 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD067171.D
Acq: 08 Oct 2020 01:08

Instrument :
MSVOA_D
ClientSampleId :
PAV-B4-100620-0-1

Tot Ion: 56 Resp: 8370
Ion Ratio Lower Upper
56 100
69 153.2 29.0 43.6#
84 101.1 74.2 111.2

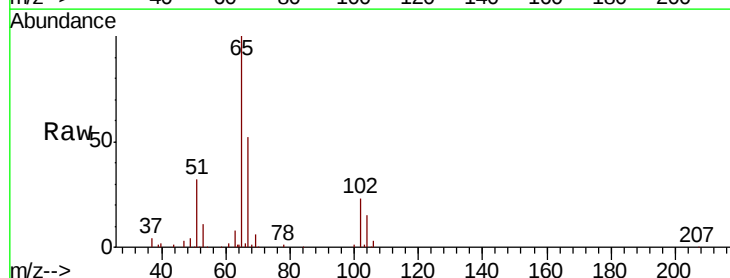


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

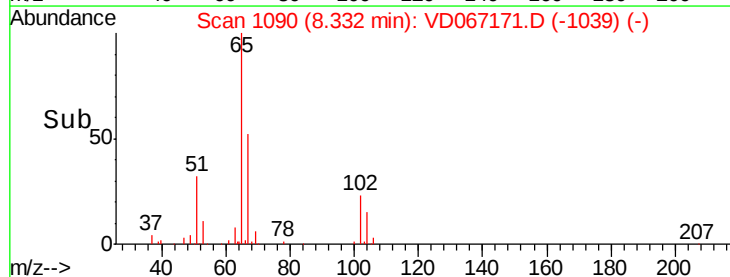
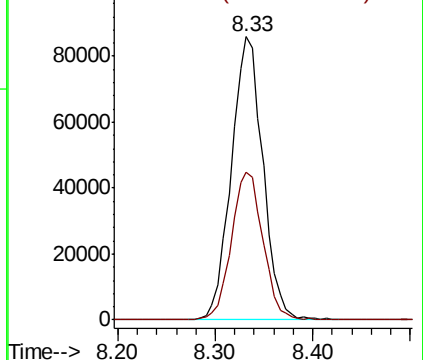


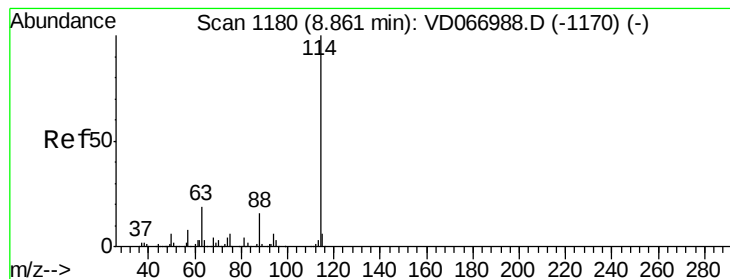
#33
1,2-Dichloroethane-d4
Concen: 49.441 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067171.D
Acq: 08 Oct 2020 01:08

Tgt Ion: 65 Resp: 193116
Ion Ratio Lower Upper
65 100
67 52.1 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: VD067171.D

Acq: 08 Oct 2020 01:08

Instrument :

MSVOA_D

ClientSampleId :

PAV-B4-100620-0-1

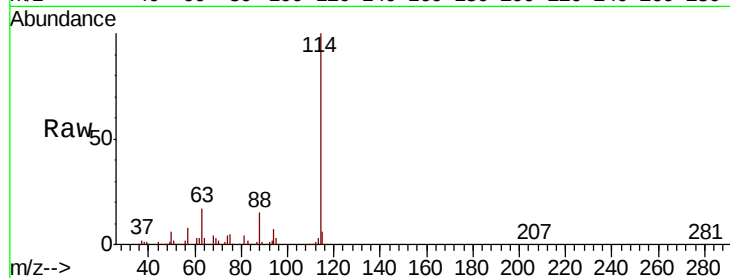
Tot Ion:114 Resp: 658491

Ion Ratio Lower Upper

114 100

63 17.2 0.0 38.4

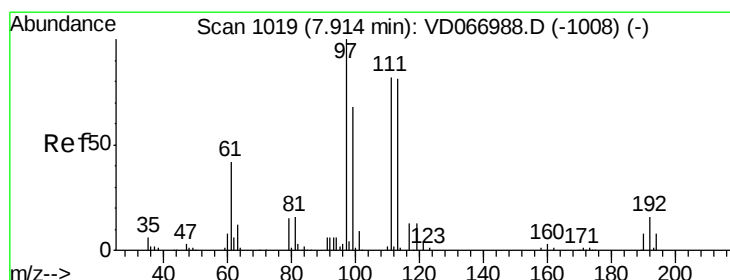
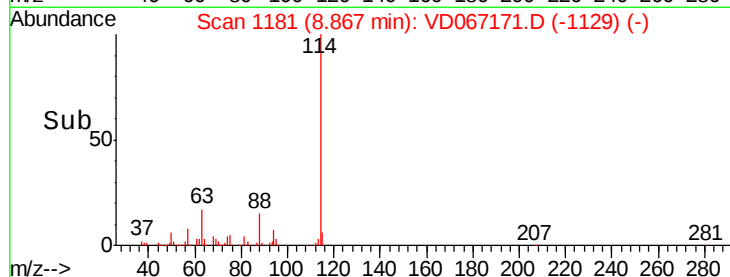
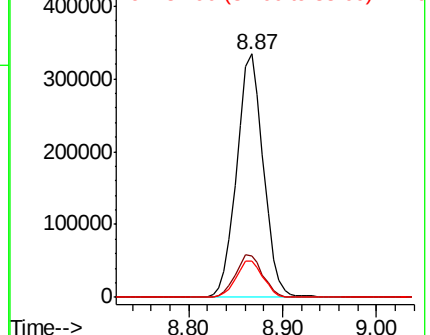
88 14.8 0.0 31.2



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: 48.480 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067171.D

Acq: 08 Oct 2020 01:08

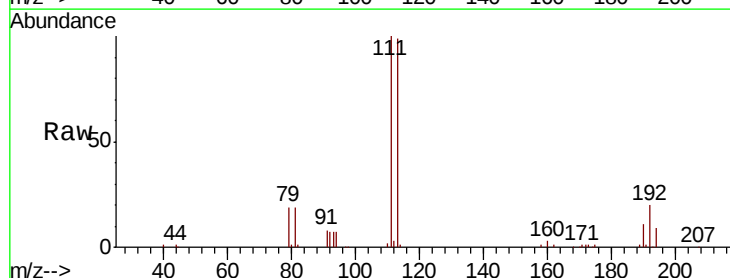
Tgt Ion:113 Resp: 208996

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

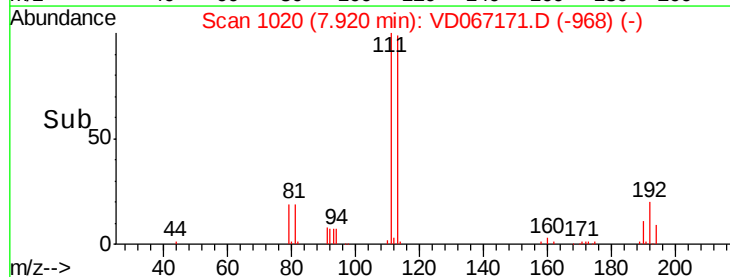
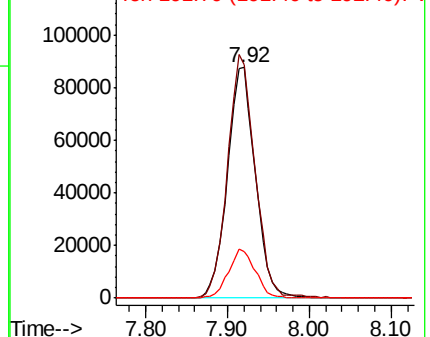
192 20.4 15.5 23.3

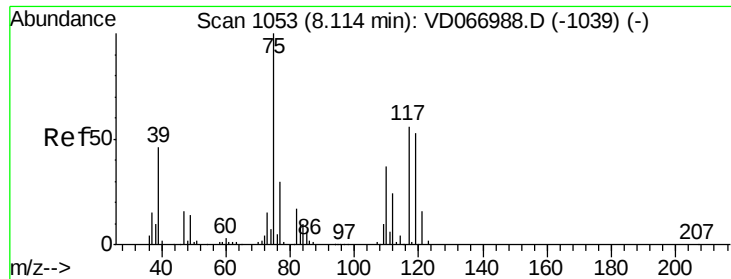


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

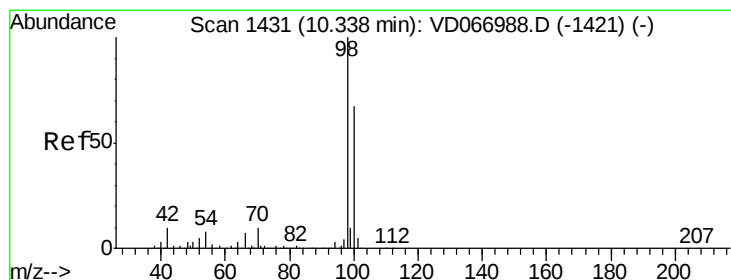
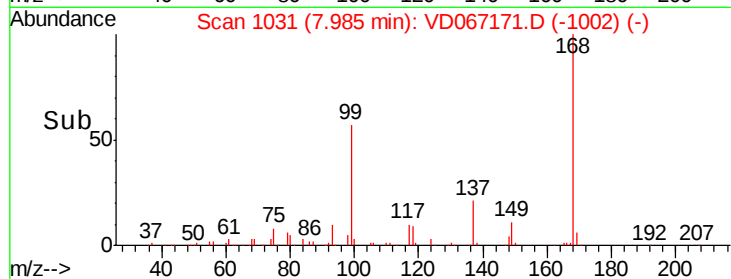
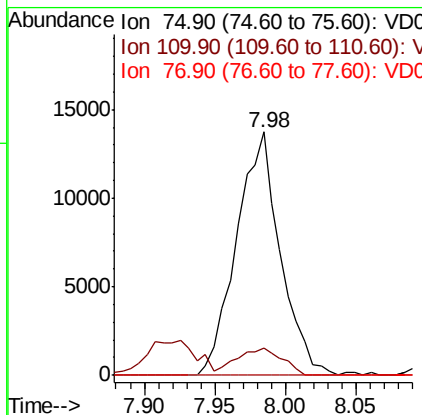
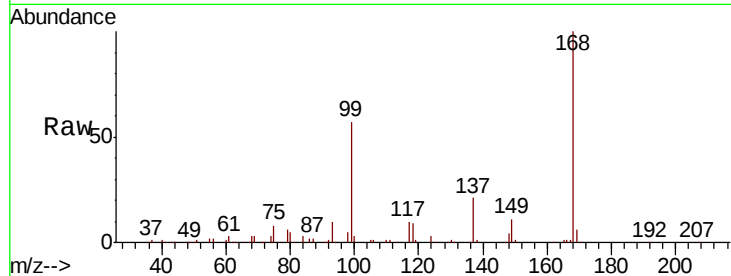




#36
 1,1-Dichloropropene
 Concen: 4.855 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067171.D
 Acq: 08 Oct 2020 01:08

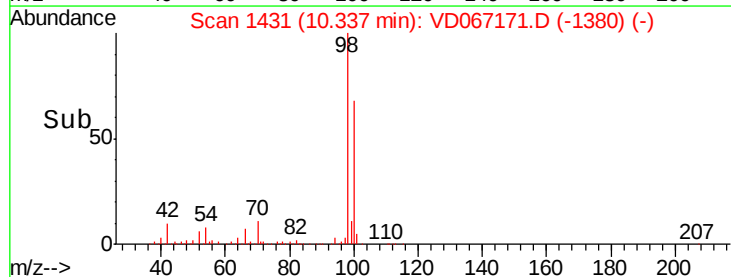
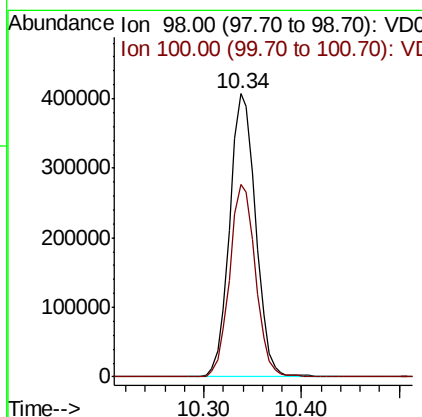
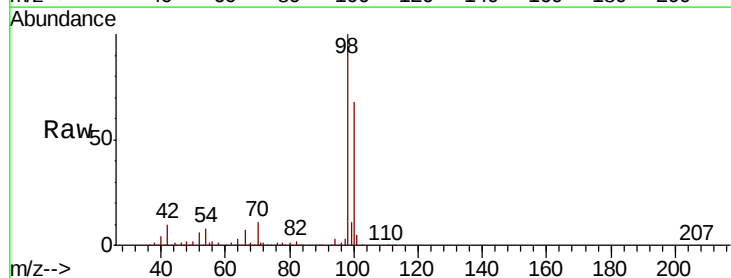
Instrument :
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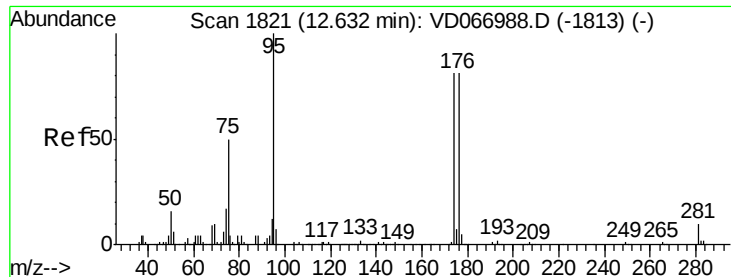
Tot Ion: 75 Resp: 29802
 Ion Ratio Lower Upper
 75 100
 110 11.8 18.4 55.0#
 77 0.0 24.8 37.2#



#50
 Toluene-d8
 Concen: 47.922 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD067171.D
 Acq: 08 Oct 2020 01:08

Tgt Ion: 98 Resp: 752793
 Ion Ratio Lower Upper
 98 100
 100 67.6 52.8 79.2

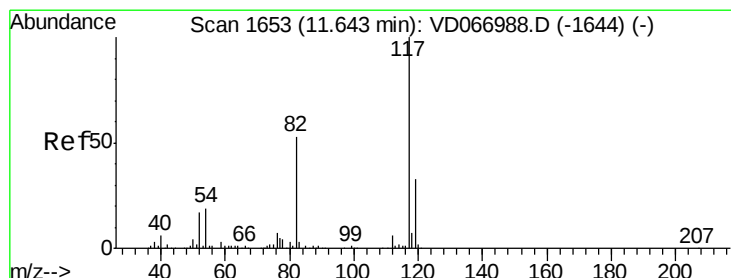
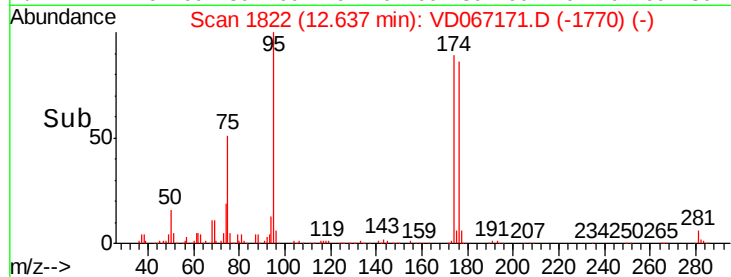
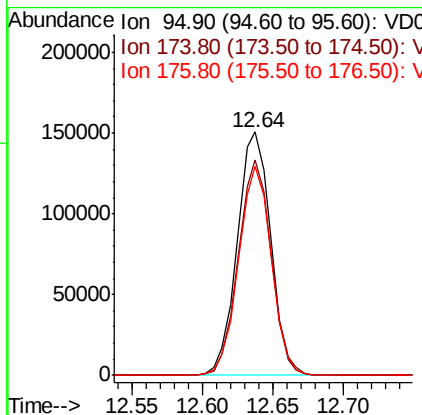
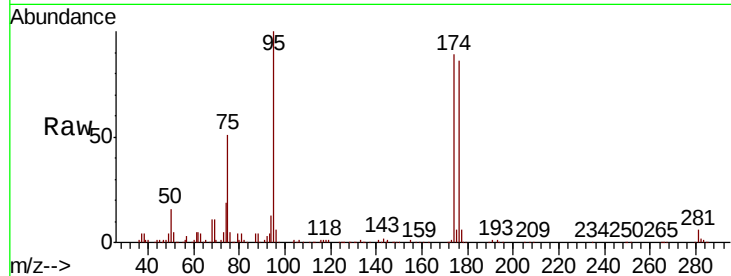




#62
4-Bromofluorobenzene
Concen: 46.537 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067171.D
Acq: 08 Oct 2020 01:08

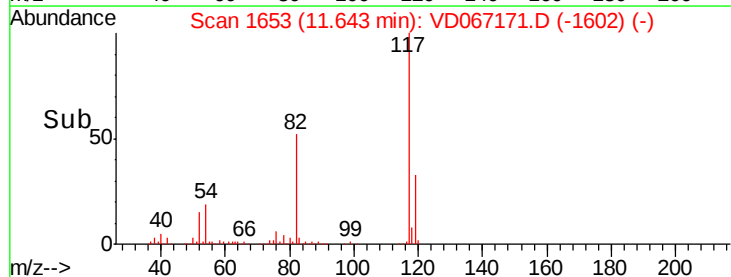
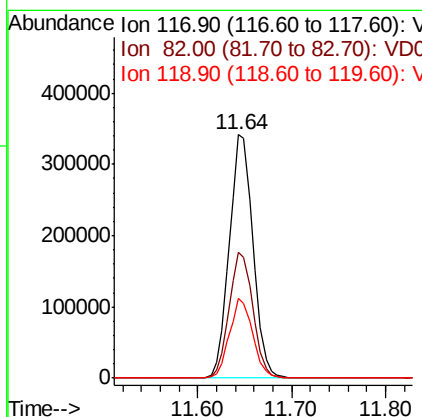
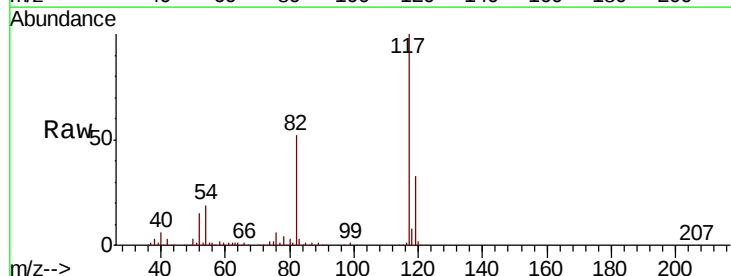
Instrument :
MSVOA_D
ClientSampleId :
PAV-B4-100620-0-1

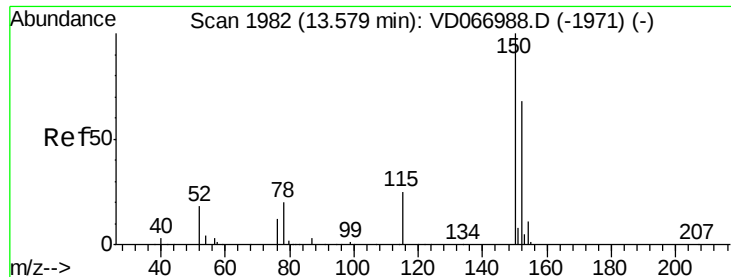
Tot Ion: 95 Resp: 248169
Ion Ratio Lower Upper
95 100
174 87.9 0.0 167.6
176 84.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067171.D
Acq: 08 Oct 2020 01:08

Tgt Ion: 117 Resp: 597594
Ion Ratio Lower Upper
117 100
82 51.8 42.6 63.8
119 32.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067171.D

Acq: 08 Oct 2020 01:08

Instrument :

MSVOA_D

ClientSampleId :

PAV-B4-100620-0-1

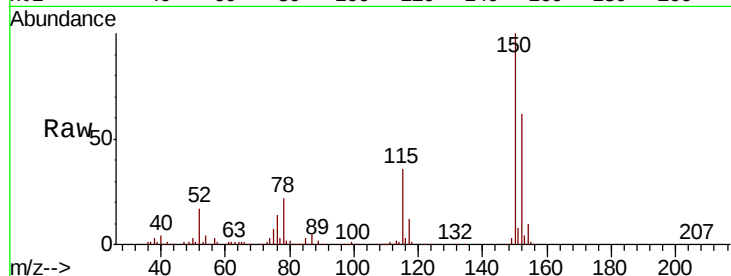
Tot Ion:152 Resp: 279210

Ion Ratio Lower Upper

152 100

115 59.3 29.6 88.8

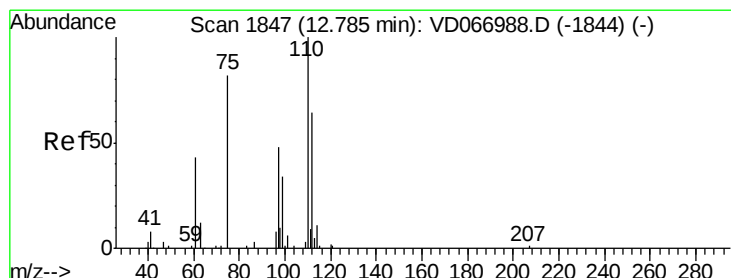
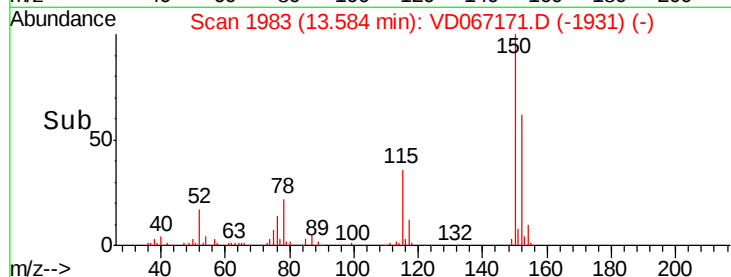
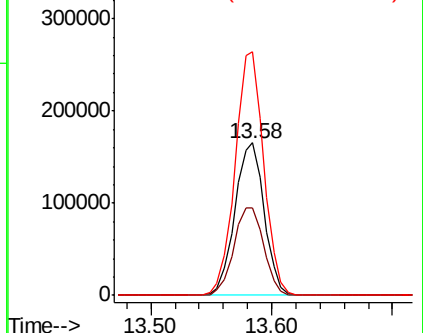
150 156.0 0.0 344.8



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: 53.083 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067171.D

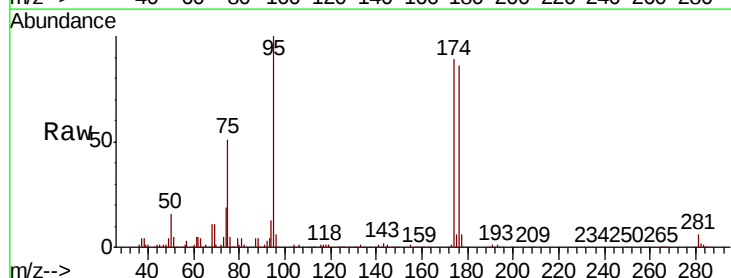
Acq: 08 Oct 2020 01:08

Tgt Ion: 75 Resp: 129099

Ion Ratio Lower Upper

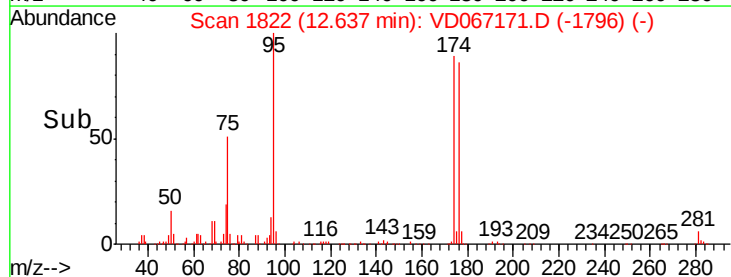
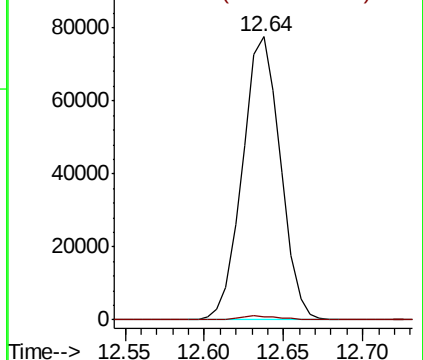
75 100

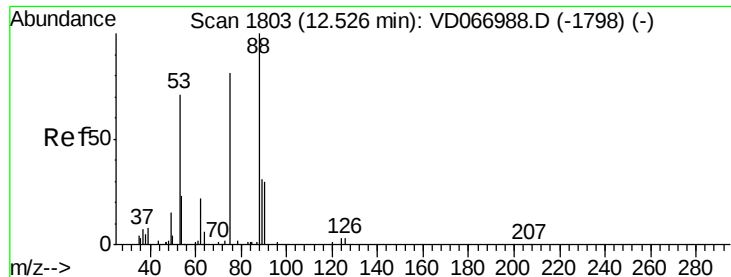
77 1.3 0.0 0.0#



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: 132.343 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067171.D

Acq: 08 Oct 2020 01:08

Instrument :

MSVOA_D

ClientSampleId :

PAV-B4-100620-0-1

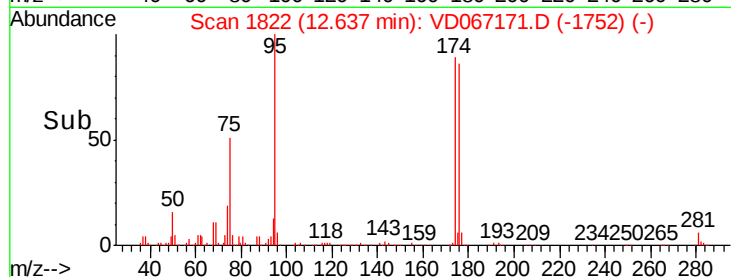
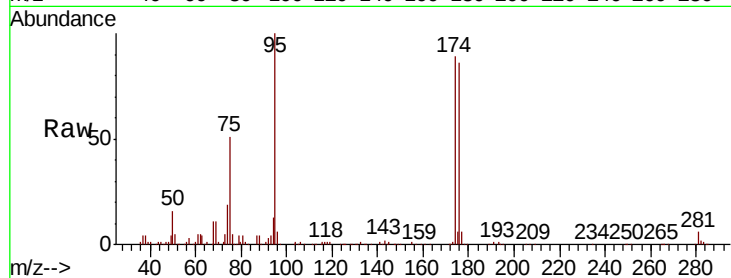
Tot Ion: 75 Resp: 129099

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 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

