

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067088.D
 Acq On : 05 Oct 2020 17:19
 Operator : VA/SY
 Sample : L4242-01
 Misc : 8.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B24-100120-0-1

Quant Time: Oct 06 07:19:18 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	487140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	829060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	740378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325971	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	222739	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
35) Dibromofluoromethane	7.92	113	258868	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
50) Toluene-d8	10.34	98	967684	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.64	95	306512	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

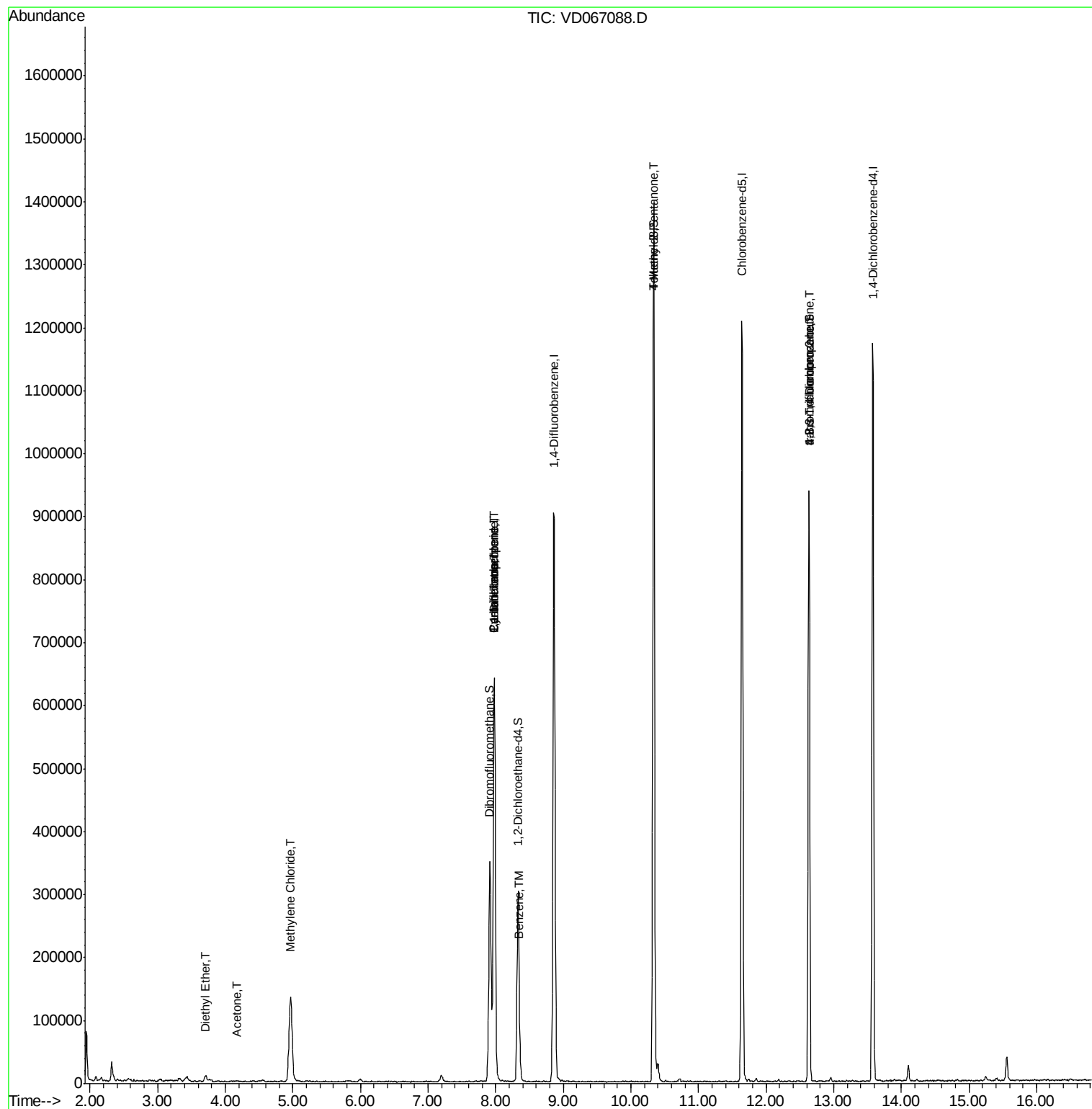
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	254	Below Cal	#	40
5) Bromomethane	2.78	94	276	Below Cal	#	35
8) Diethyl Ether	3.70	74	5167	2.411	ug/l	91
11) Tert butyl alcohol	5.22	59	589	Below Cal	#	72
16) Acetone	4.16	43	775	1.082	ug/l #	42
20) Methylene Chloride	4.97	84	118355	18.737	ug/l	97
26) 2,2-Dichloropropane	7.20	77	479	Below Cal	#	53
31) Cyclohexane	7.98	56	10161	1.442	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	36301	4.697	ug/l #	48
38) Carbon Tetrachloride	7.98	117	49905	5.969	ug/l #	16
40) Benzene	8.36	78	23493	1.095	ug/l	100
51) 4-Methyl-2-Pentanone	10.34	43	3888	1.583	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	151919	53.505	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	151919	133.396	ug/l #	12

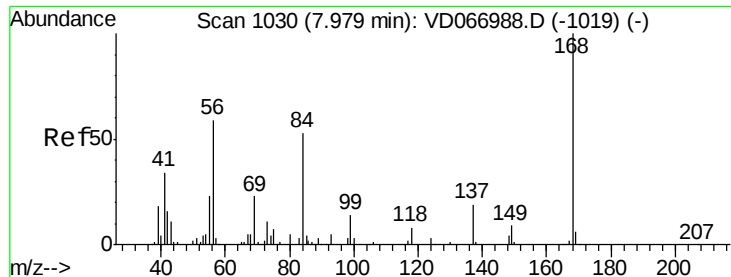
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
Data File : VD067088.D
Acq On : 05 Oct 2020 17:19
Operator : VA/SY
Sample : L4242-01
Misc : 8.24G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PAV-B24-100120-0-1

Quant Time: Oct 06 07:19:18 2020
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: VD067088.D

Acq: 05 Oct 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

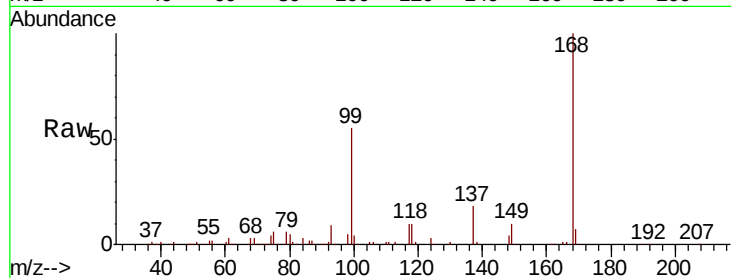
PAV-B24-100120-0-1

Tot Ion:168 Resp: 487140

Ion Ratio Lower Upper

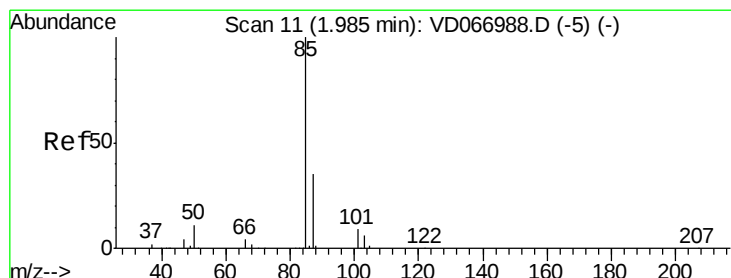
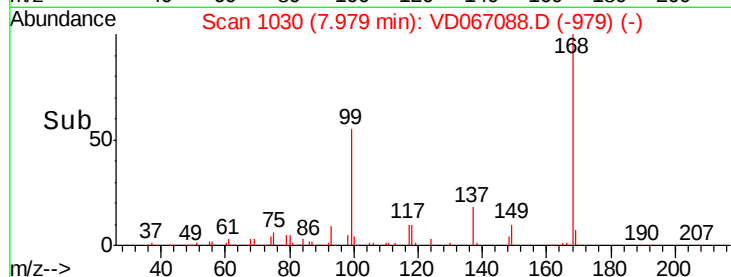
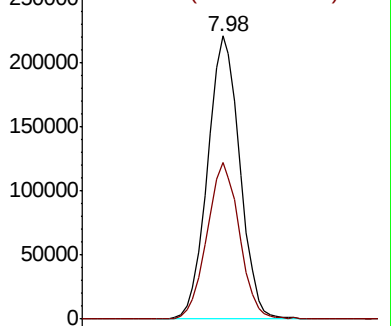
168 100

99 55.2 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: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067088.D

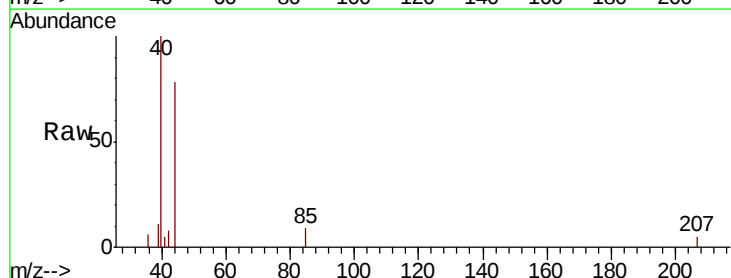
Acq: 05 Oct 2020 17:19

Tgt Ion: 85 Resp: 254

Ion Ratio Lower Upper

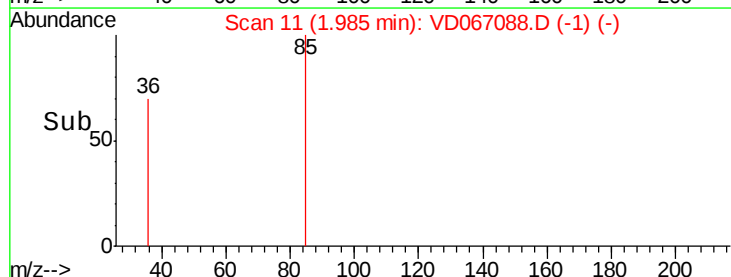
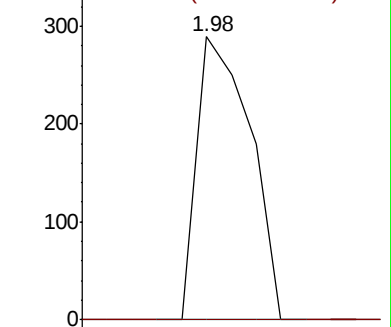
85 100

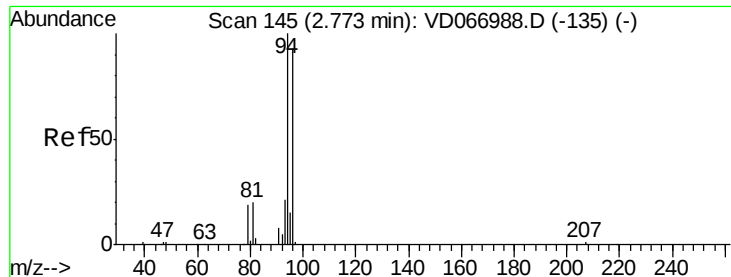
87 0.0 17.3 52.0#



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: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067088.D

Acq: 05 Oct 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

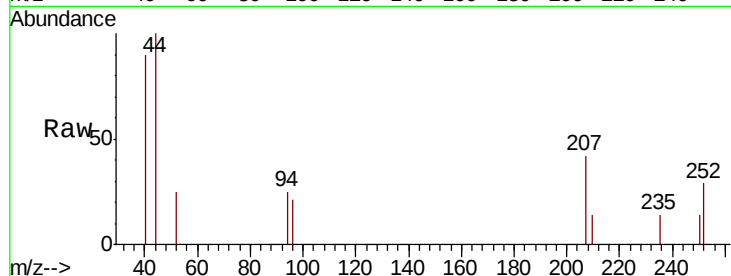
PAV-B24-100120-0-1

Tot Ion: 94 Resp: 276

Ion Ratio Lower Upper

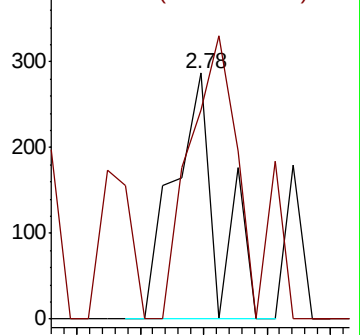
94 100

96 31.0 74.6 112.0#

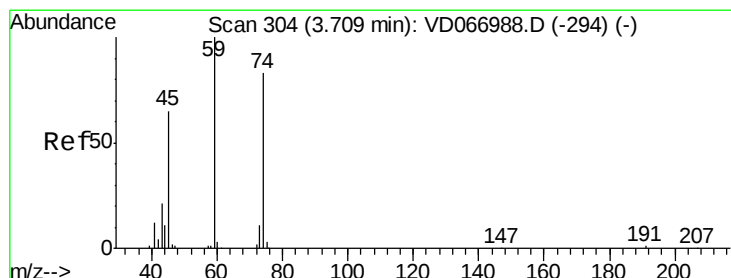
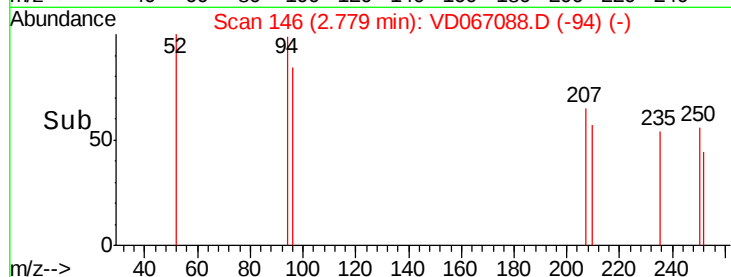


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#8

Diethyl Ether

Concen: 2.411 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067088.D

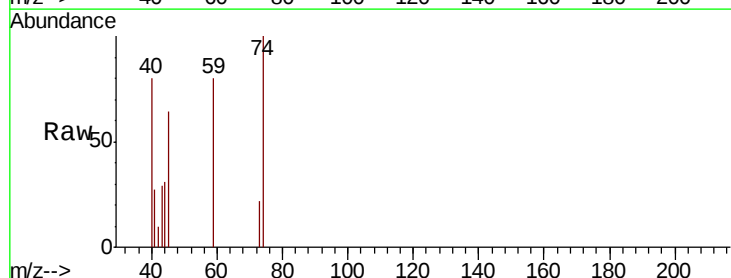
Acq: 05 Oct 2020 17:19

Tgt Ion: 74 Resp: 5167

Ion Ratio Lower Upper

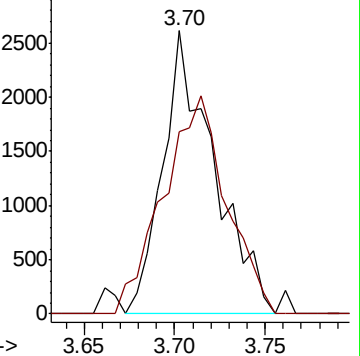
74 100

45 94.9 43.1 129.3

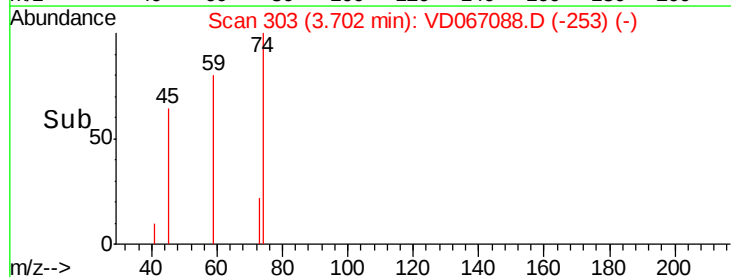


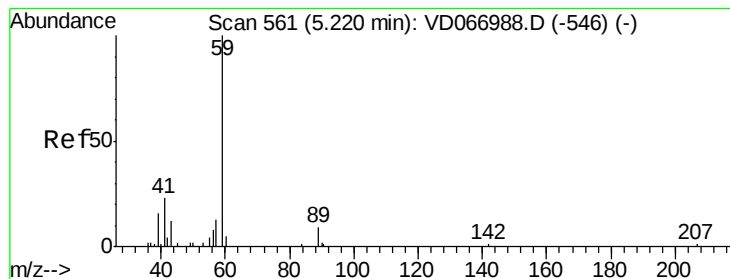
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



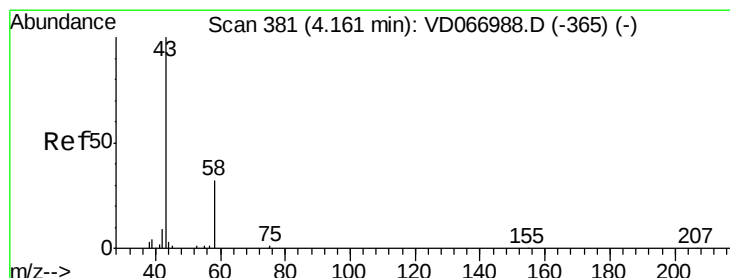
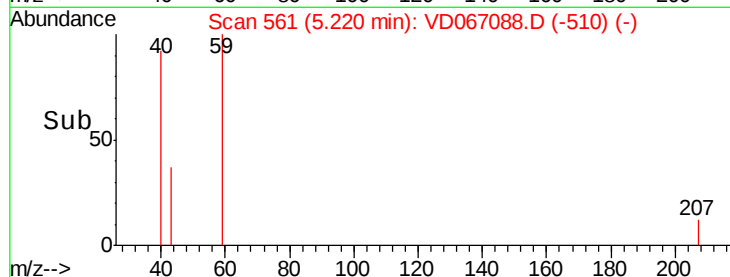
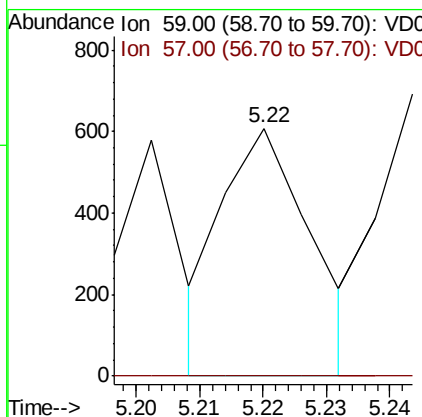
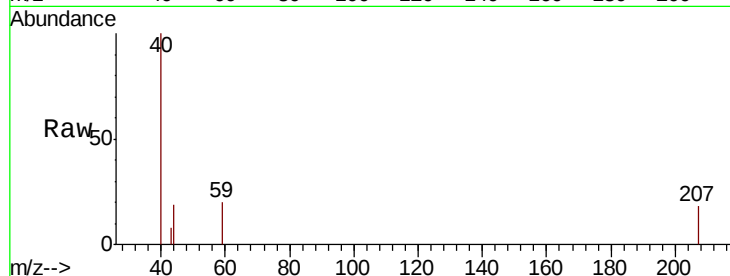


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067088.D
 Acq: 05 Oct 2020 17:19

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B24-100120-0-1

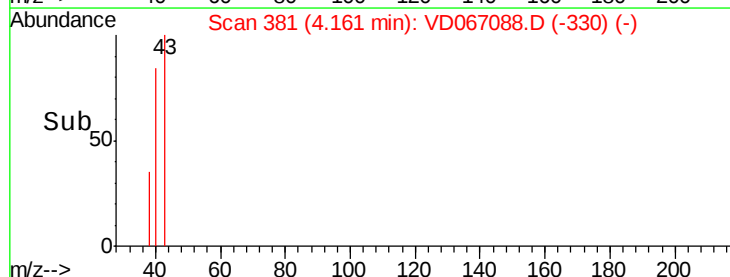
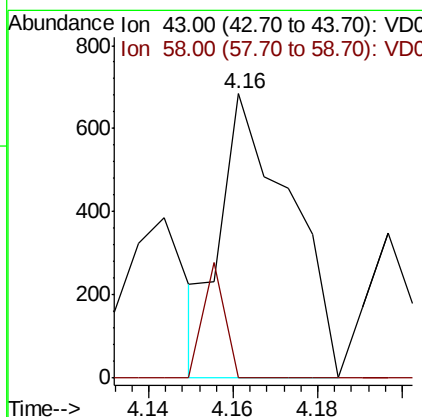
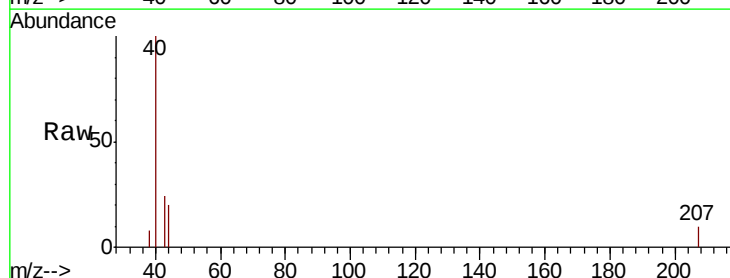
Tot Ion: 59 Resp: 589
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

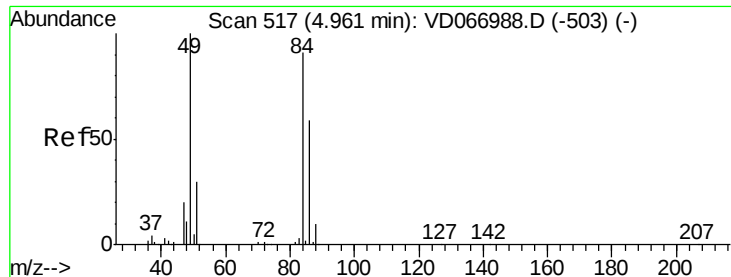


#16

Acetone
 Concen: 1.082 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD067088.D
 Acq: 05 Oct 2020 17:19

Tgt Ion: 43 Resp: 775
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 38.9#

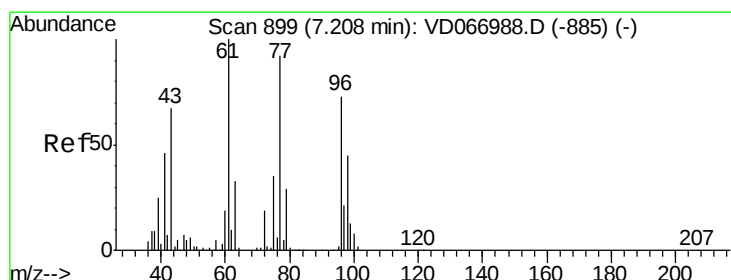
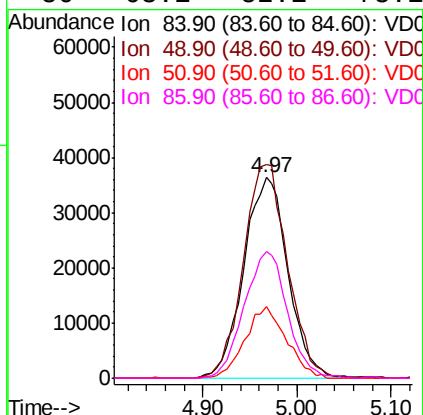
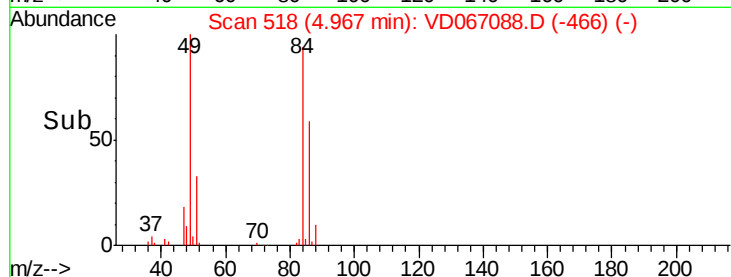
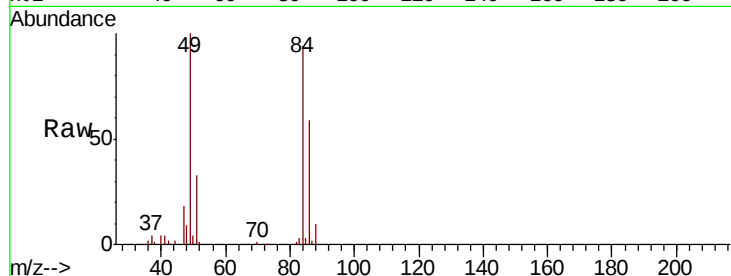




#20
Methvlene Chloride
Concen: 18.737 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067088.D
Acq: 05 Oct 2020 17:19

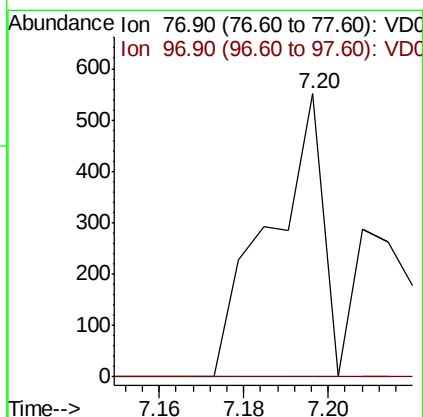
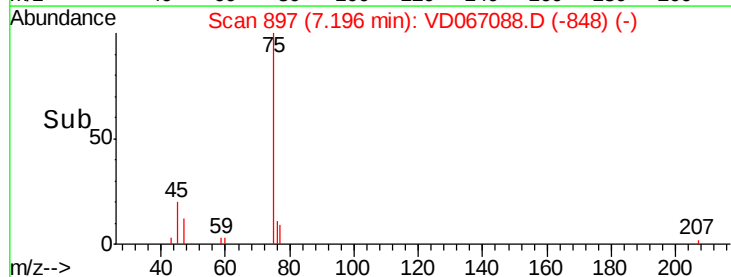
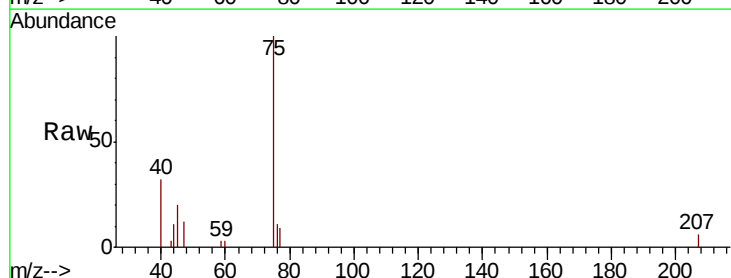
Instrument :
MSVOA_D
ClientSampleId :
PAV-B24-100120-0-1

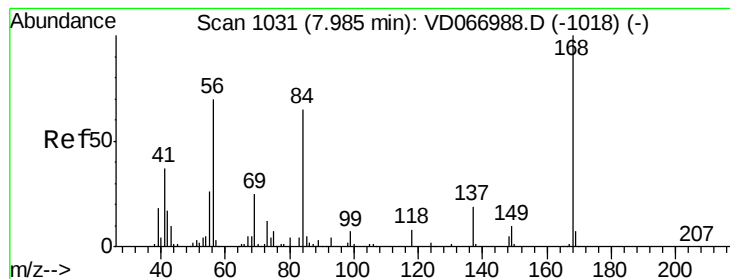
Tot Ion: 84 Resp: 118355
Ion Ratio Lower Upper
84 100
49 106.4 88.2 132.2
51 35.6 26.6 39.8
86 63.1 52.1 78.1



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067088.D
Acq: 05 Oct 2020 17:19

Tgt Ion: 77 Resp: 479
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.442 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067088.D

Acq: 05 Oct 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

PAV-B24-100120-0-1

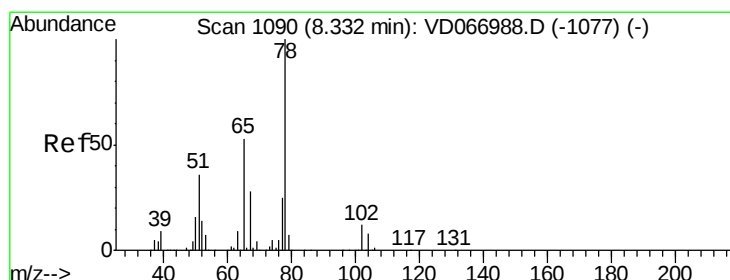
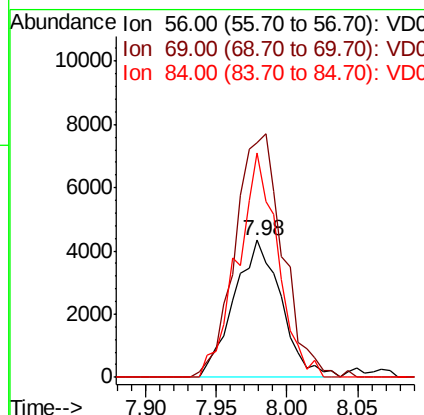
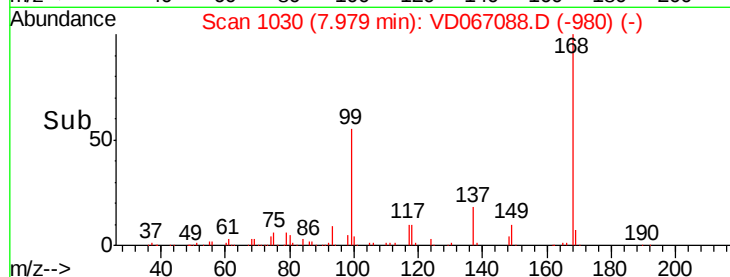
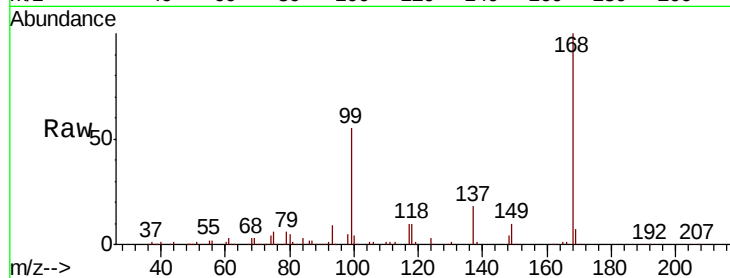
Tot Ion: 56 Resp: 10161

Ion Ratio Lower Upper

56 100

69 171.2 29.0 43.6#

84 163.8 74.2 111.2#



#33

1,2-Dichloroethane-d4

Concen: 47.471 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067088.D

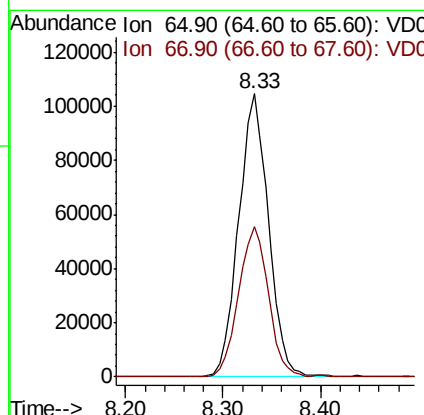
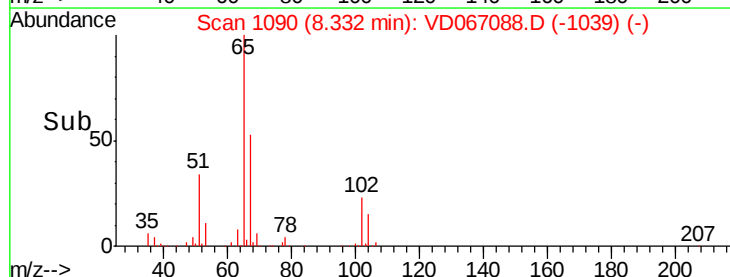
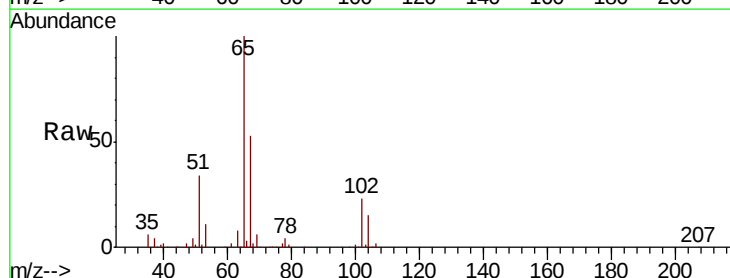
Acq: 05 Oct 2020 17:19

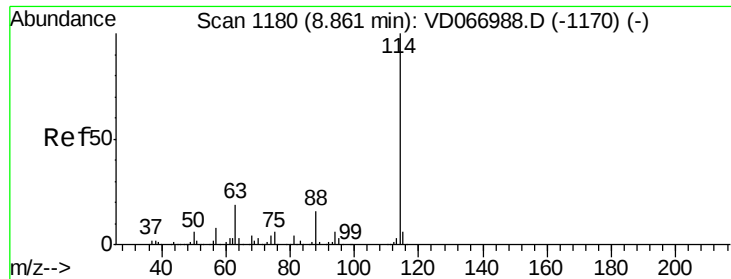
Tgt Ion: 65 Resp: 222739

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8

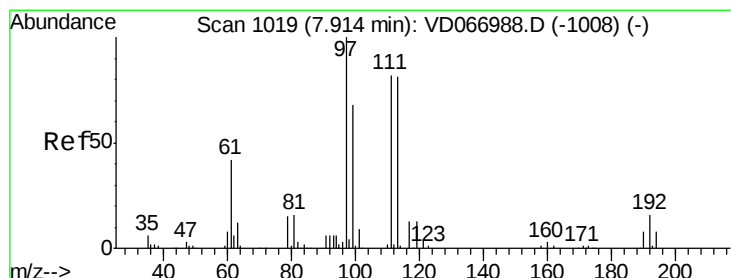
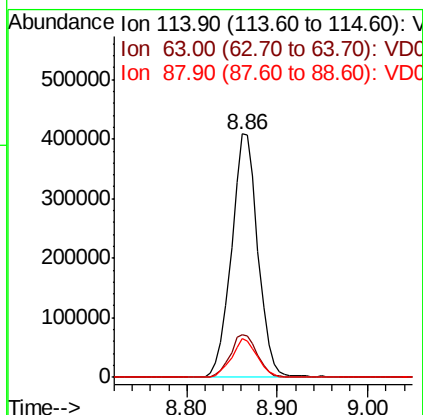
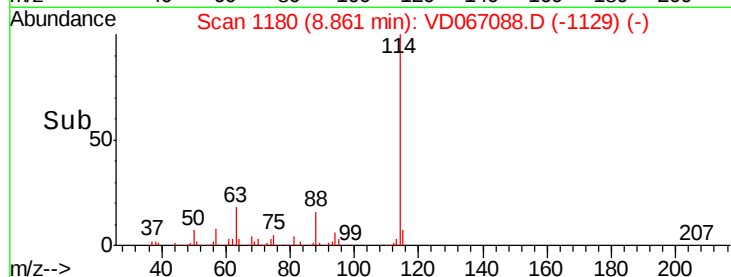
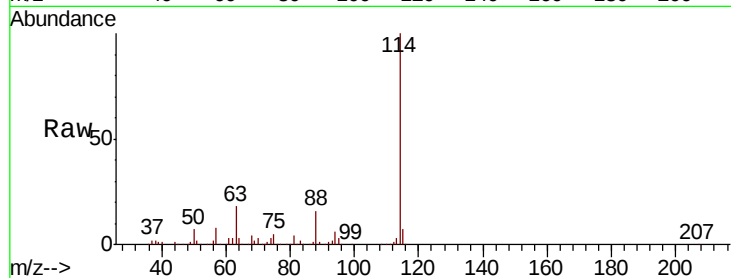




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD067088.D
 Acq: 05 Oct 2020 17:19

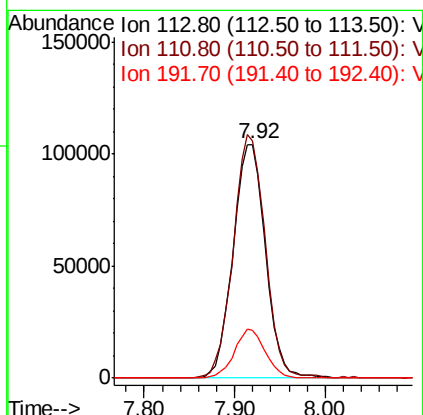
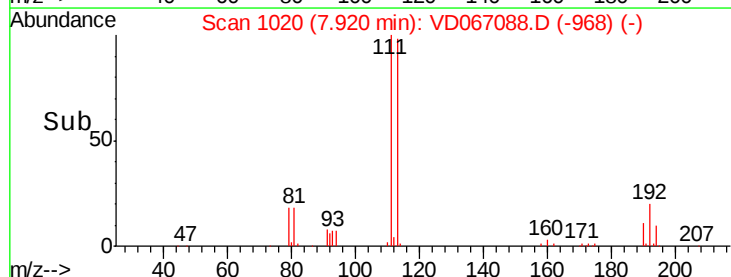
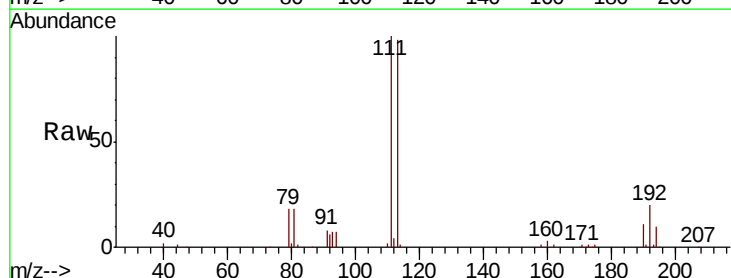
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B24-100120-0-1

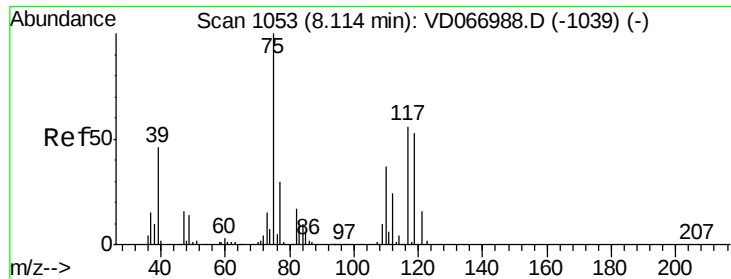
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	38.4
88	15.7	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 47.694 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067088.D
 Acq: 05 Oct 2020 17:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	20.0	15.5	23.3

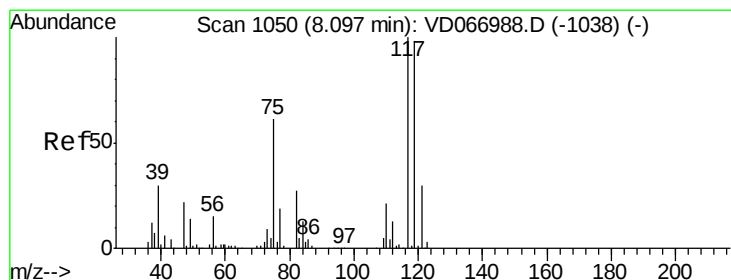
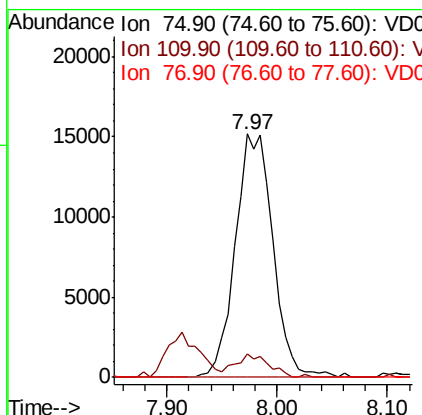
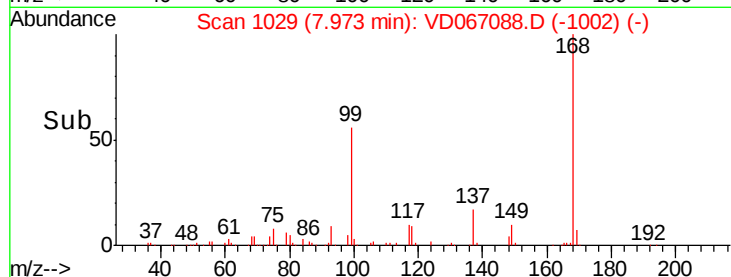
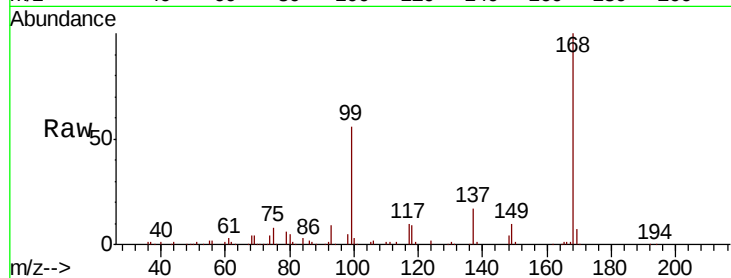




#36
 1,1-Dichloropropene
 Concen: 4.697 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD067088.D
 Acq: 05 Oct 2020 17:19

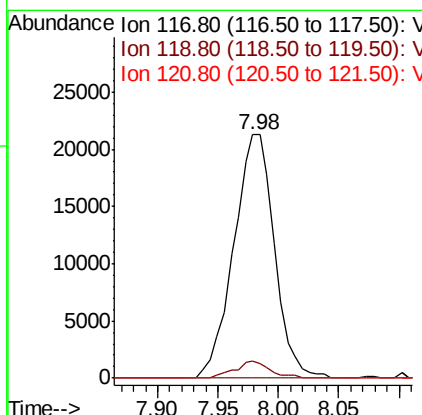
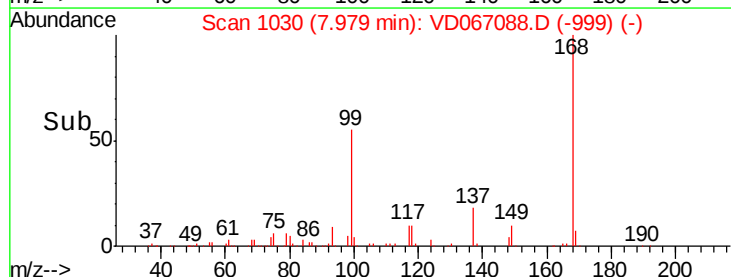
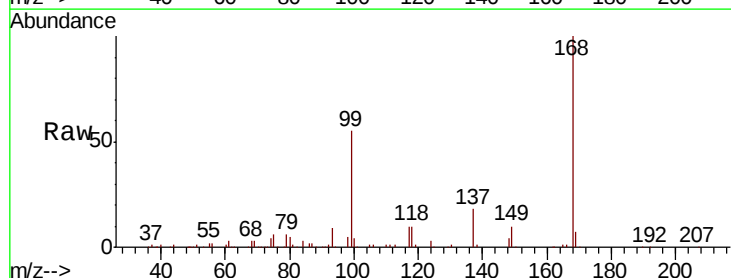
Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B24-100120-0-1

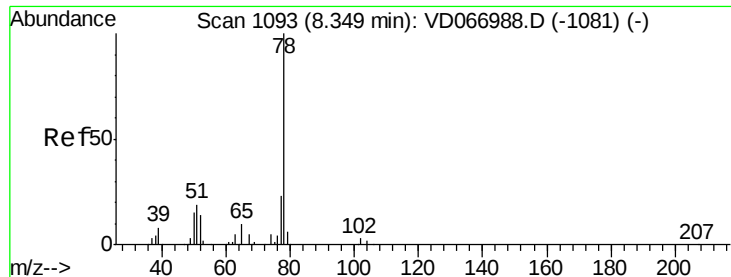
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.0#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.969 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067088.D
 Acq: 05 Oct 2020 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	78.7	118.1#
121	0.0	24.2	36.2#





#40

Benzene

Concen: 1.095 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD067088.D

Acq: 05 Oct 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

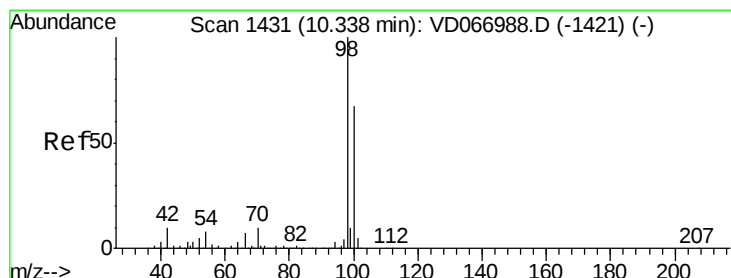
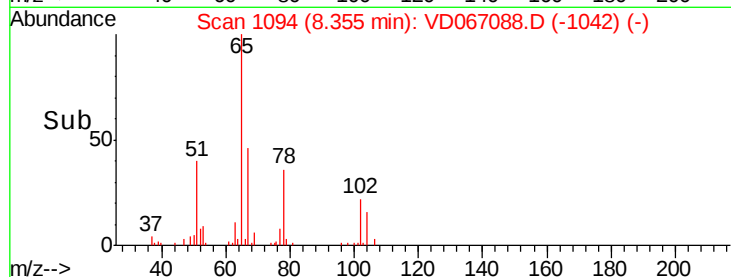
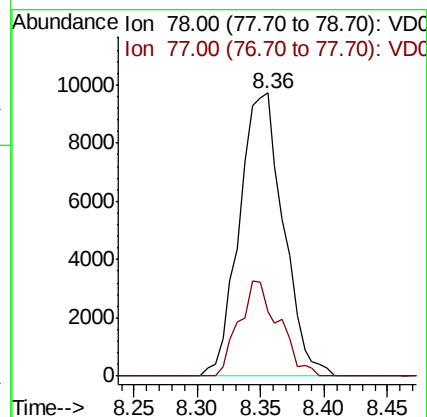
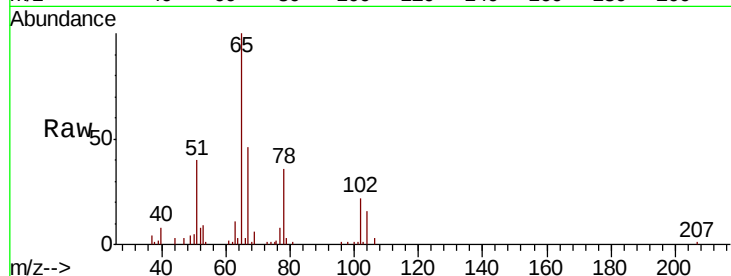
PAV-B24-100120-0-1

Tot Ion: 78 Resp: 23493

Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6



#50

Toluene-d8

Concen: 48.928 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067088.D

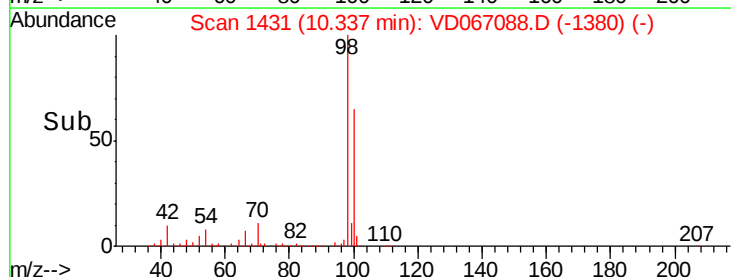
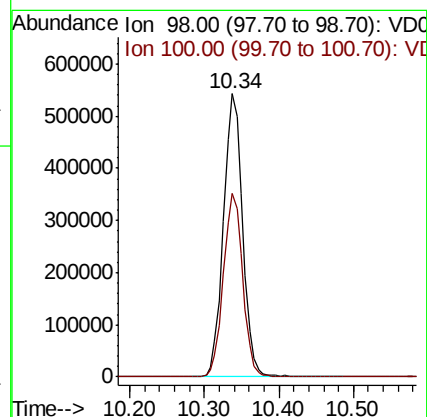
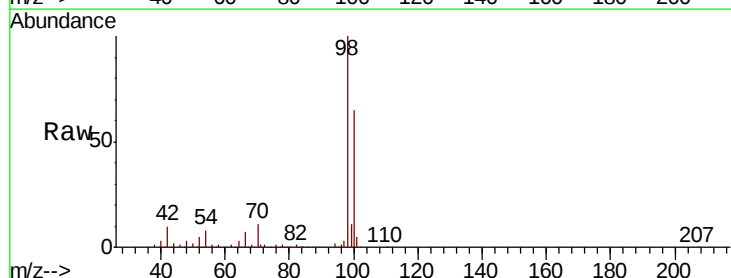
Acq: 05 Oct 2020 17:19

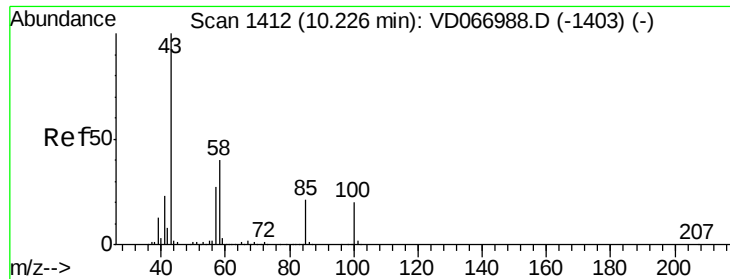
Tgt Ion: 98 Resp: 967684

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 1.583 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067088.D

Acq: 05 Oct 2020 17:19

Instrument :

MSVOA_D

ClientSampleId :

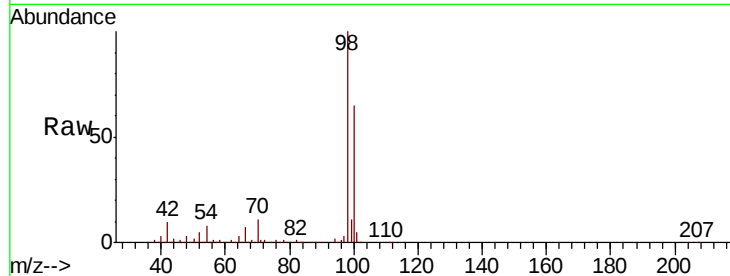
PAV-B24-100120-0-1

Tot Ion: 43 Resp: 3888

Ion Ratio Lower Upper

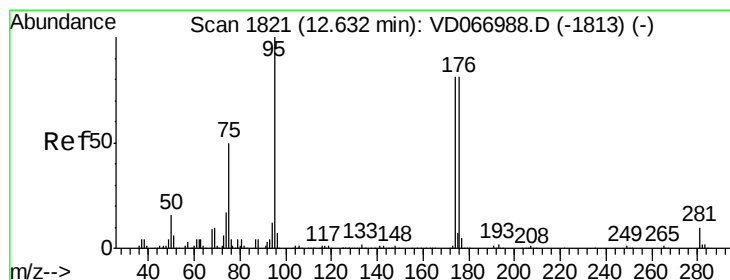
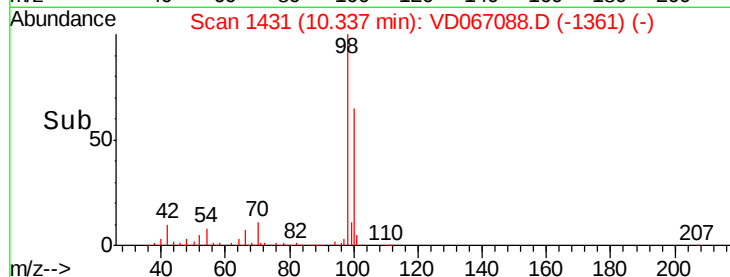
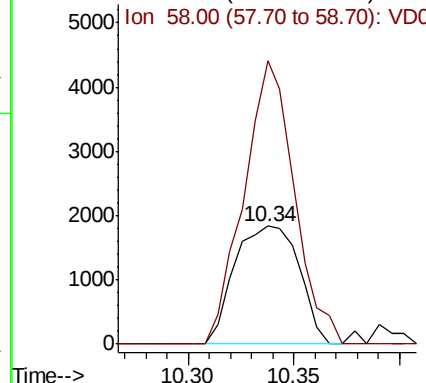
43 100

58 188.3 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: 45.652 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067088.D

Acq: 05 Oct 2020 17:19

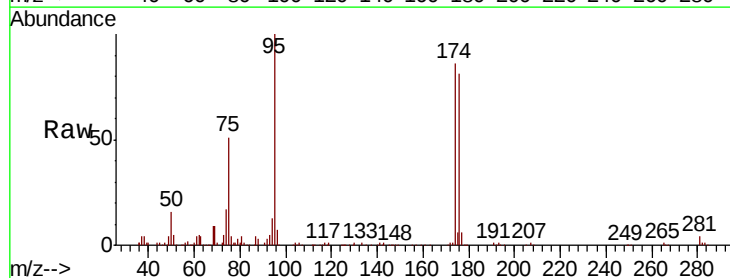
Tgt Ion: 95 Resp: 306512

Ion Ratio Lower Upper

95 100

174 84.4 0.0 167.6

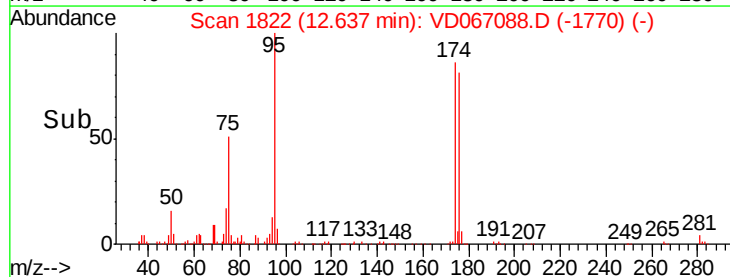
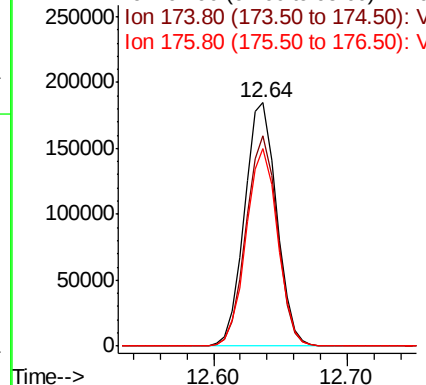
176 79.8 0.0 162.4

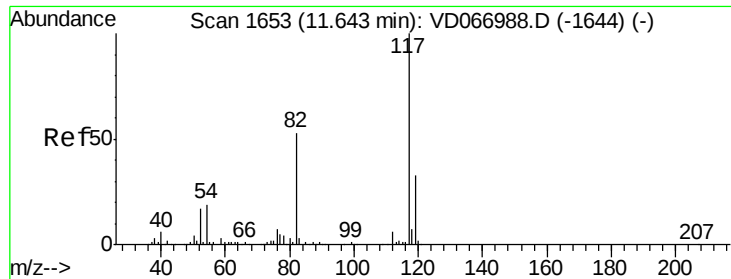


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

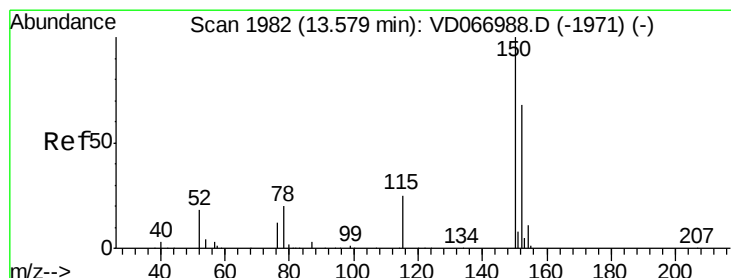
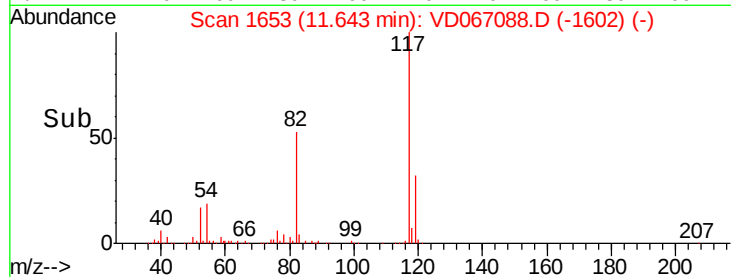
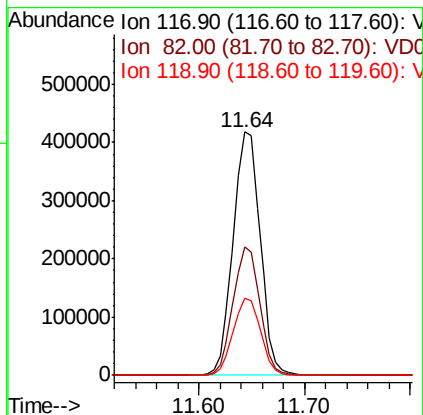
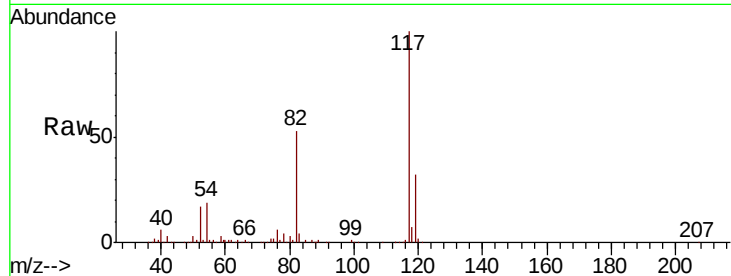




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067088.D
Acq: 05 Oct 2020 17:19

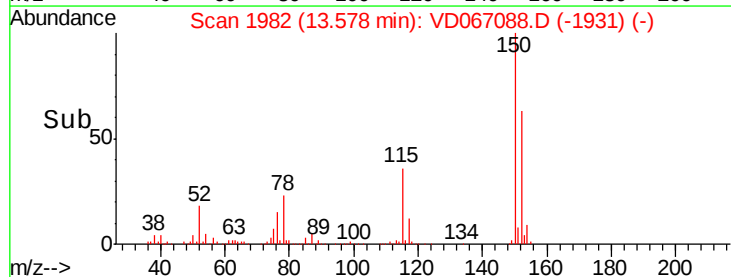
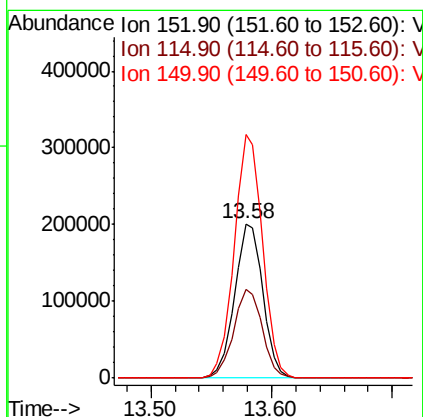
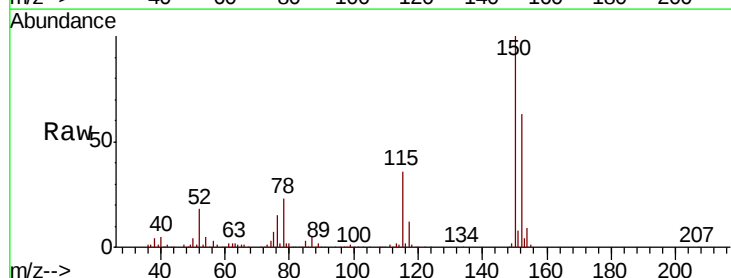
Instrument :
MSVOA_D
ClientSampleId :
PAV-B24-100120-0-1

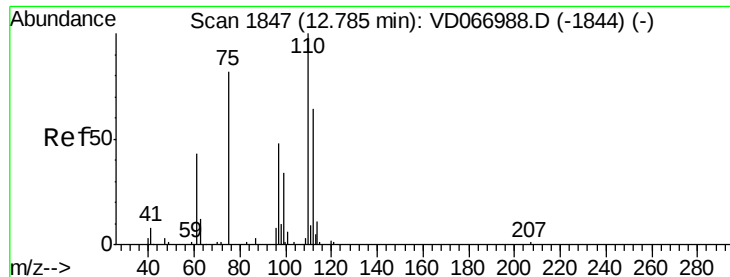
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	63.8
119	31.9	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067088.D
Acq: 05 Oct 2020 17:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.6	88.8
150	159.2	0.0	344.8

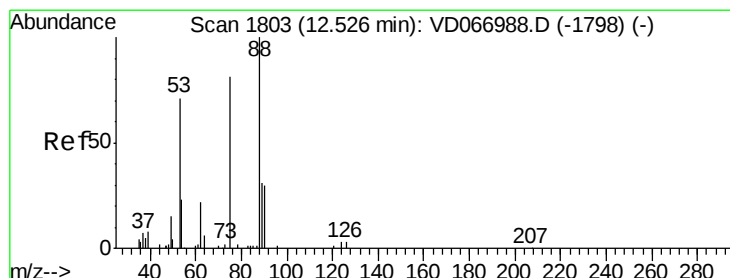
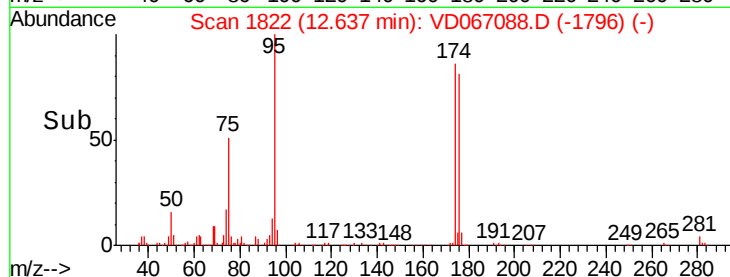
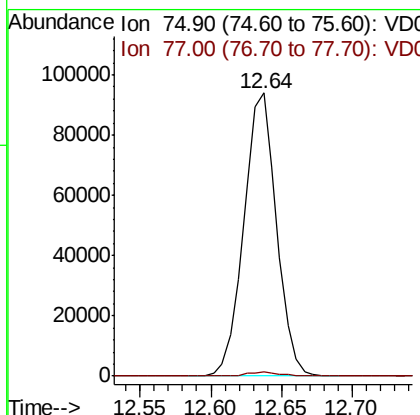
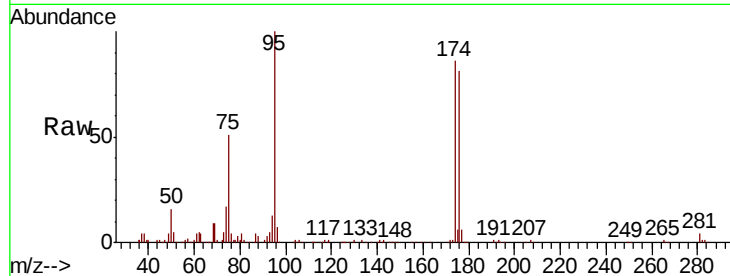




#76
 1,2,3-Trichloropropane
 Concen: 53.505 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD067088.D
 Acq: 05 Oct 2020 17:19

Instrument :
 MSVOA_D
 ClientSampleId :
 PAV-B24-100120-0-1

Tot Ion: 75 Resp: 151919
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.396 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD067088.D
 Acq: 05 Oct 2020 17:19

Tgt Ion: 75 Resp: 151919
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.8 110.6#
 89 0.0 38.9 58.3#

