

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063977.D
 Acq On : 15 Oct 2019 17:41
 Operator : VA/SY
 Sample : K5152-06
 Misc : 7.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-101519

Quant Time: Oct 16 02:16:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	65060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	121024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	128869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	63674	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	50383	79.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.08%	
35) Dibromofluoromethane	7.92	113	42727	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
50) Toluene-d8	10.34	98	158597	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.63	95	54486	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

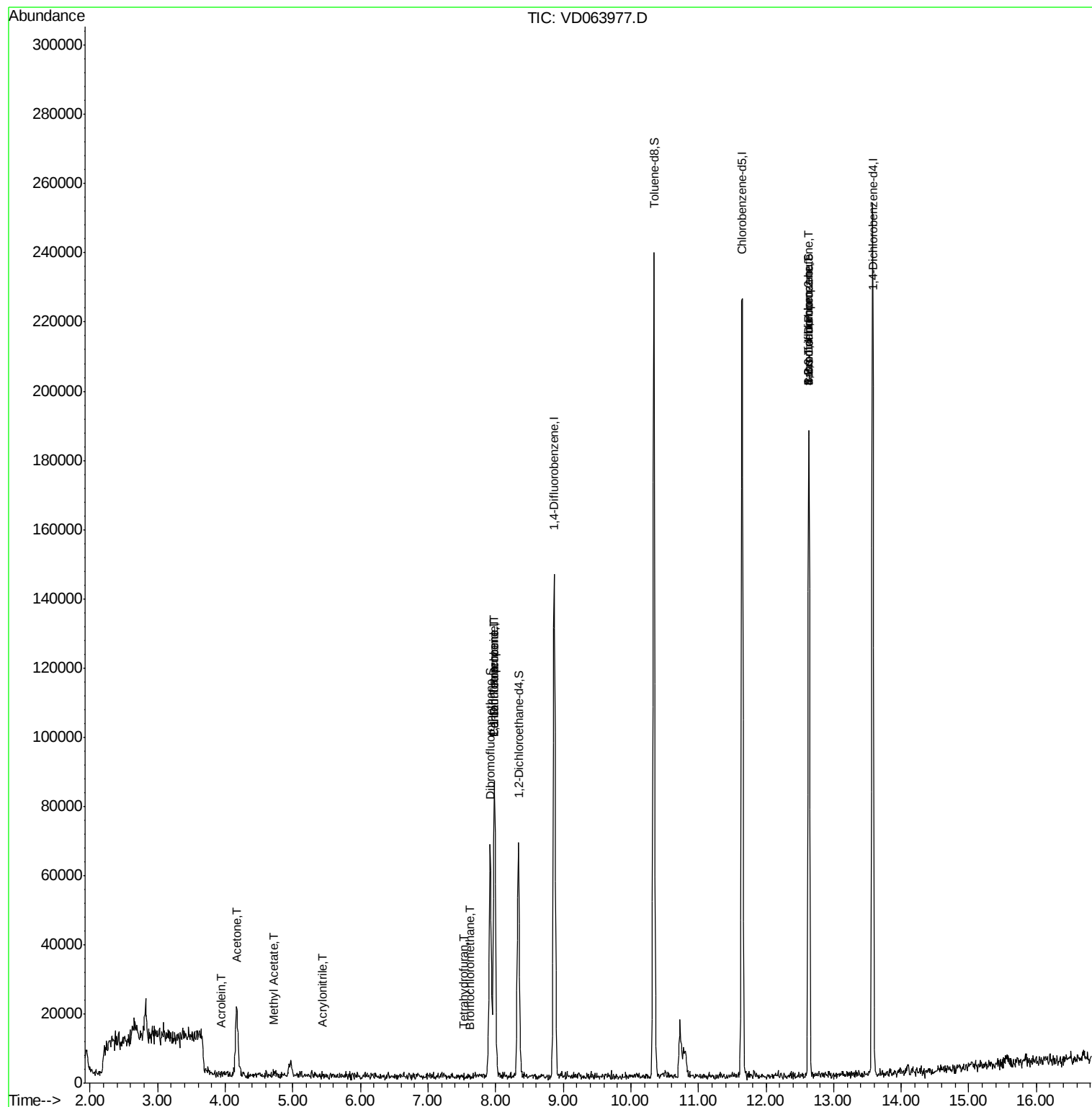
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	619	Below Cal	#	40
11) Tert butyl alcohol	5.25	59	129	Below Cal	#	71
13) Acrolein	3.93	56	70	1.237	ug/l #	17
15) Acrylonitrile	5.44	53	182	1.304	ug/l #	58
16) Acetone	4.17	43	35376	214.516	ug/l	99
18) Methyl Acetate	4.71	43	1048	3.249	ug/l #	49
20) Methylene Chloride	4.97	84	1676	Below Cal	#	78
28) Bromochloromethane	7.62	49	95	2.075	ug/l #	4
29) Tetrahydrofuran	7.53	42	122	1.069	ug/l #	31
31) Cyclohexane	7.97	56	1736	Below Cal	#	78
36) 1,1-Dichloropropene	7.98	75	5671	5.125	ug/l #	46
37) Ethyl Acetate	7.29	43	140	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	6766	6.051	ug/l #	19
71) Bromoform	12.63	173	935	1.827	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	29668	69.566	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	29668	123.104	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.49	75	66	Below Cal	#	1

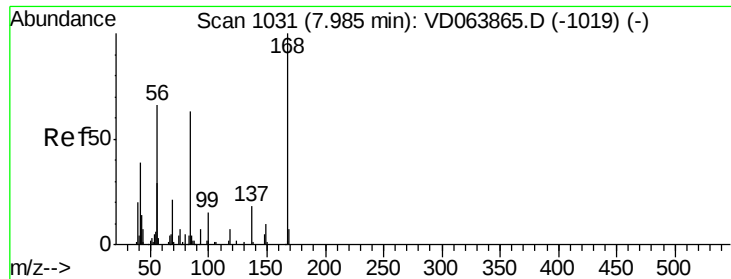
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

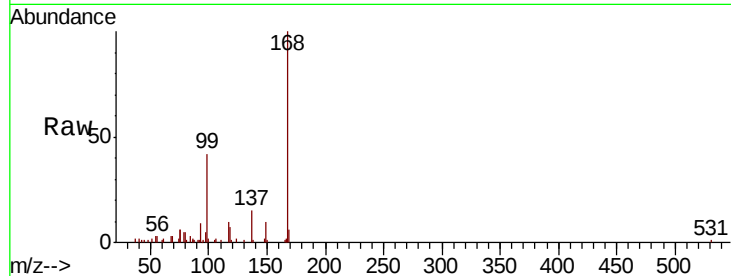
SU-01-101519

Tot Ion:168 Resp: 65060

Ion Ratio Lower Upper

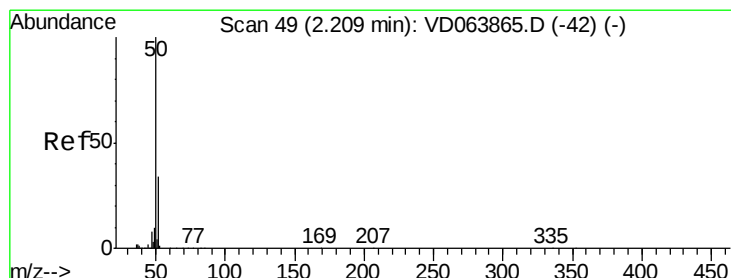
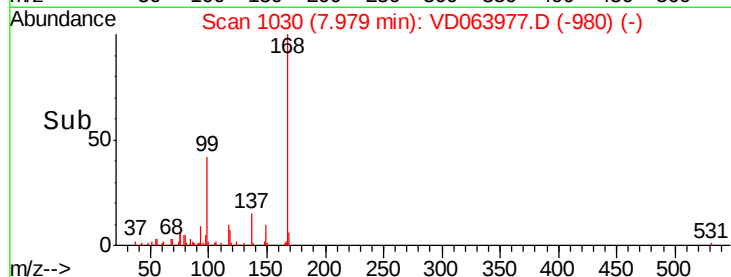
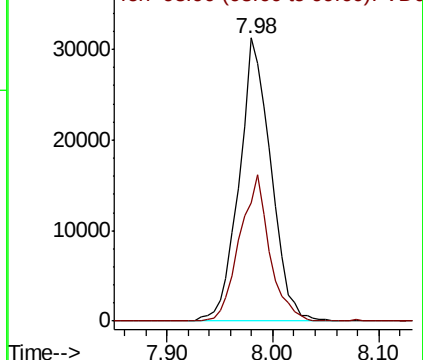
168 100

99 41.9 43.0 64.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063977.D

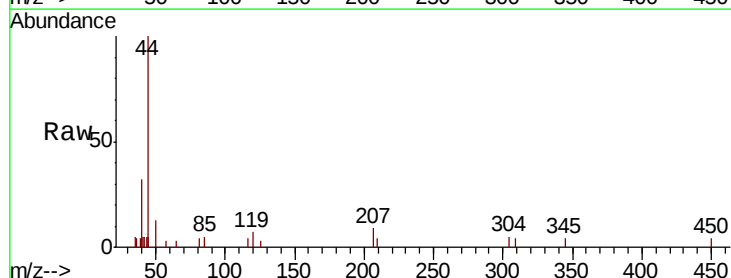
Acq: 15 Oct 2019 17:41

Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

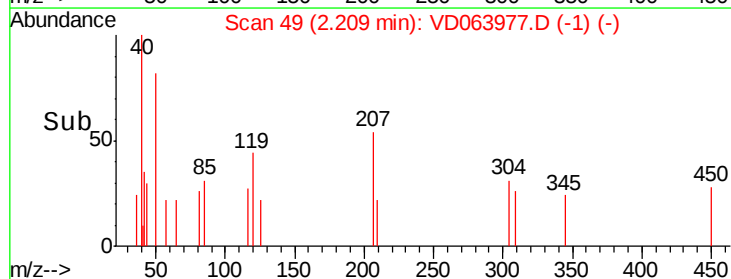
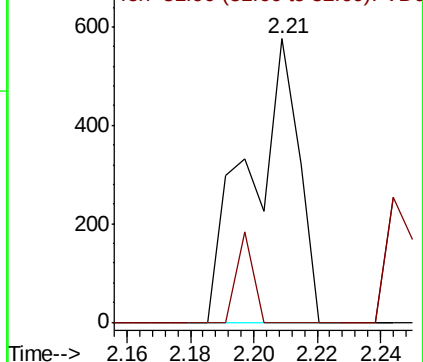
50 100

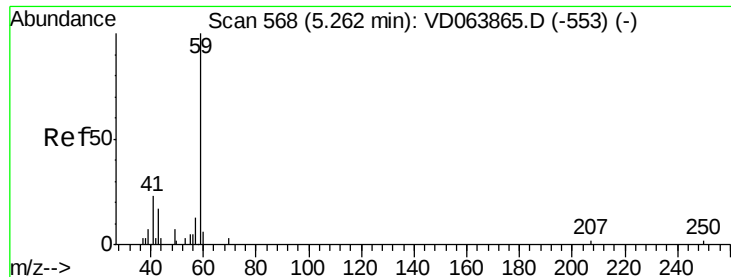
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



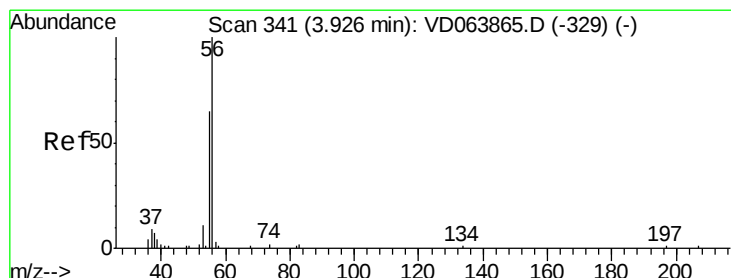
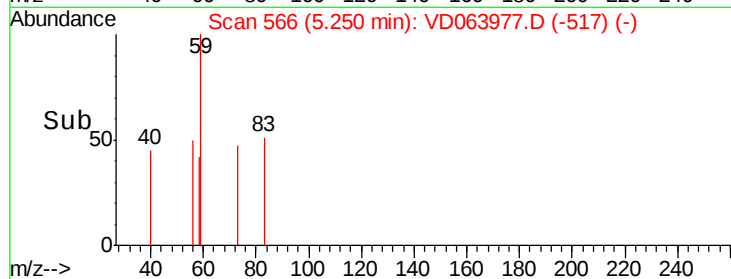
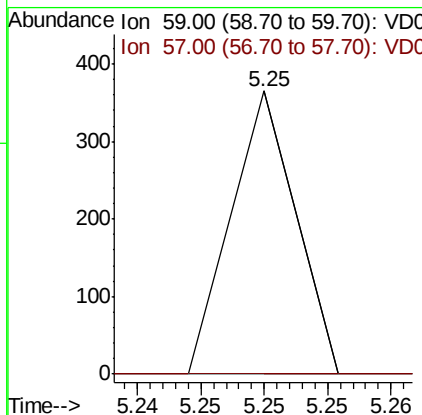
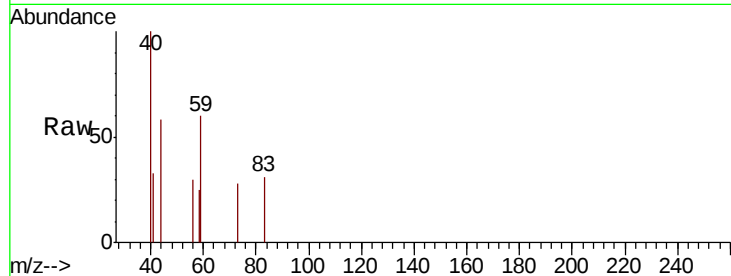


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063977.D
 Acq: 15 Oct 2019 17:41

Instrument :
 MSVOA_D
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 SU-01-101519

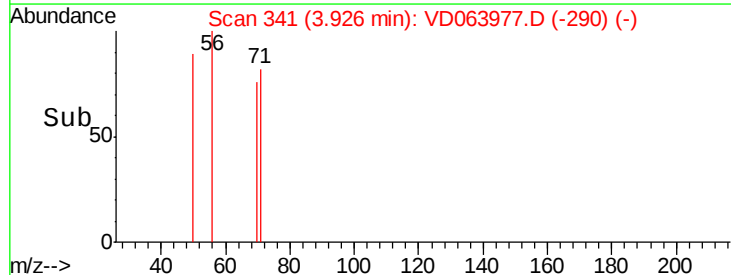
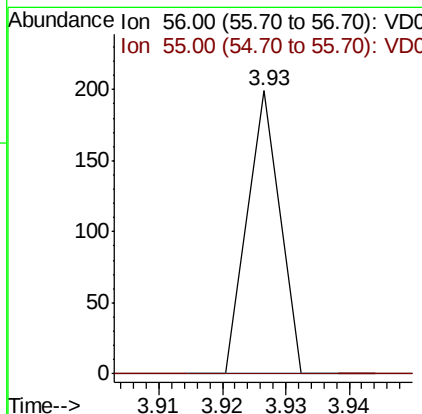
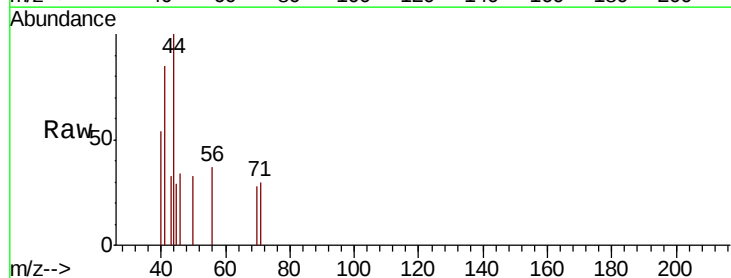
Tot Ion: 59 Resp: 129
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

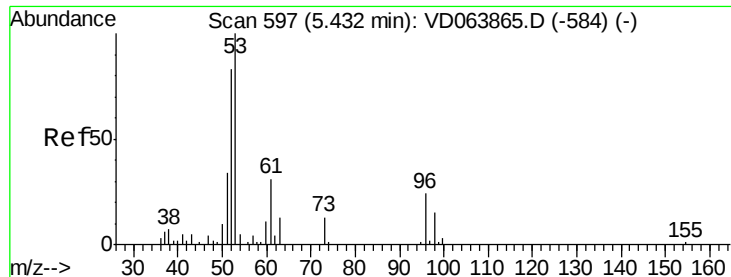


#13

Acrolein
 Concen: 1.237 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD063977.D
 Acq: 15 Oct 2019 17:41

Tgt Ion: 56 Resp: 70
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#





#15

Acrylonitrile

Concen: 1.304 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

SU-01-101519

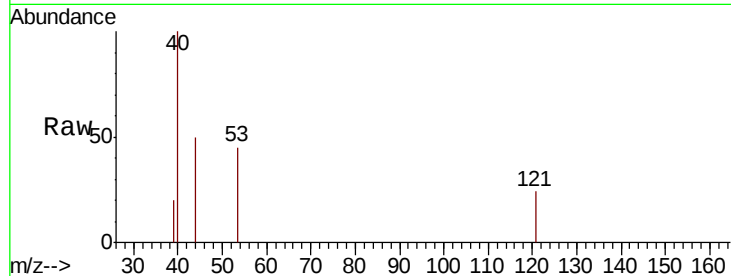
Tot Ion: 53 Resp: 182

Ion Ratio Lower Upper

53 100

52 54.9 67.3 100.9#

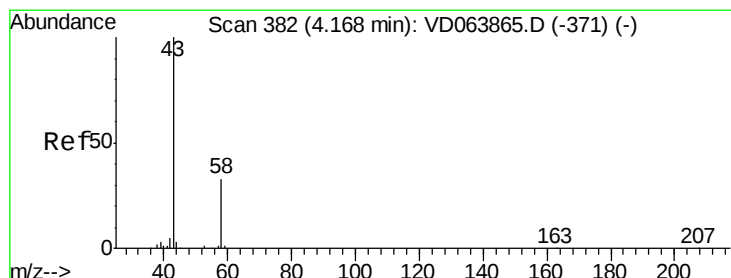
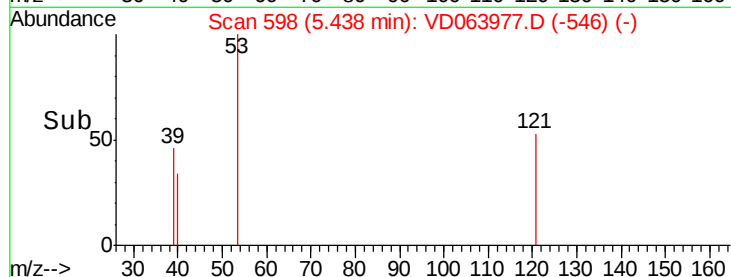
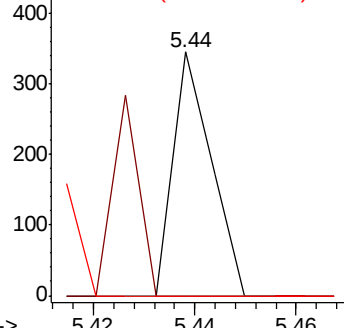
51 0.0 30.5 45.7#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 214.516 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD063977.D

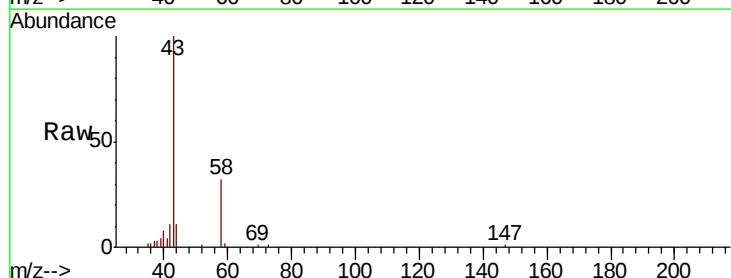
Acq: 15 Oct 2019 17:41

Tgt Ion: 43 Resp: 35376

Ion Ratio Lower Upper

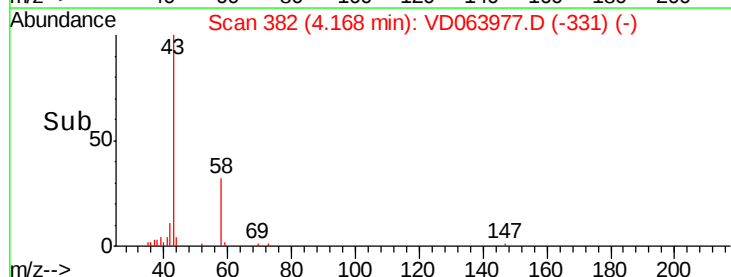
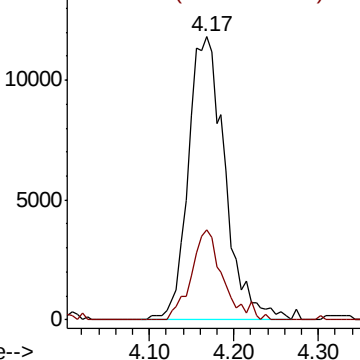
43 100

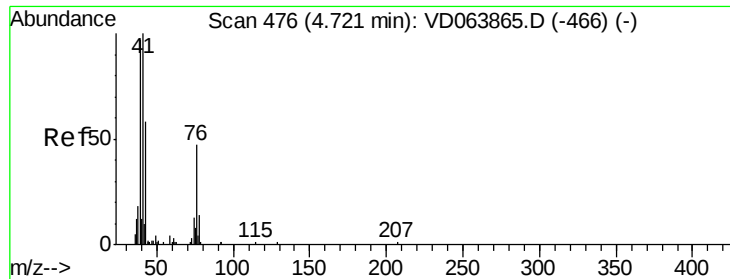
58 32.0 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

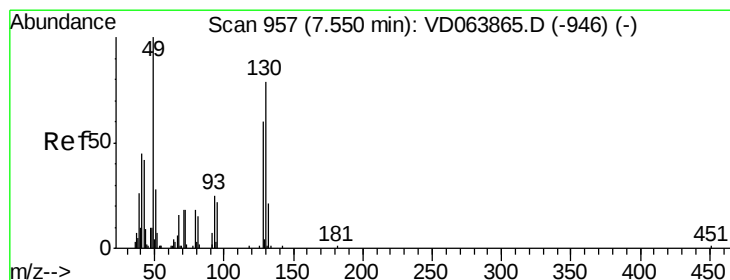
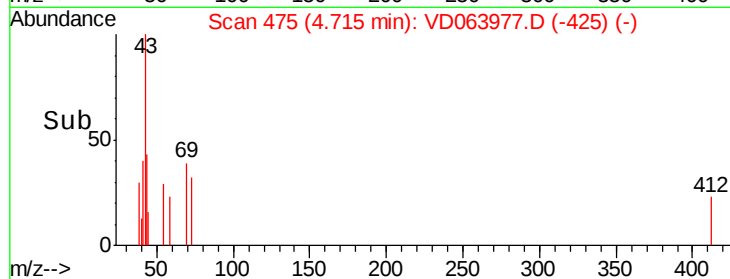
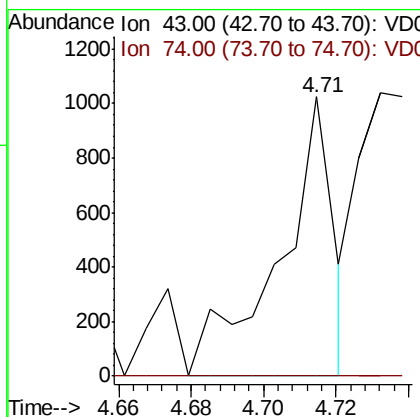
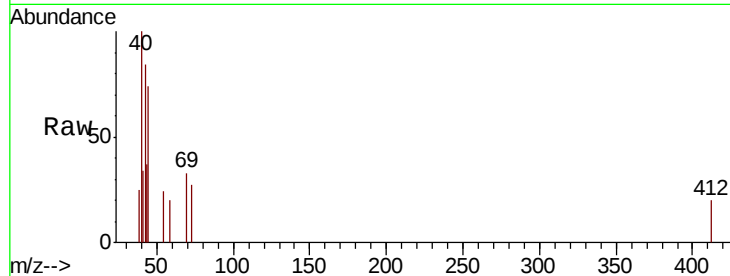




#18
Methvl Acetate
Concen: 3.249 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD063977.D
Acq: 15 Oct 2019 17:41

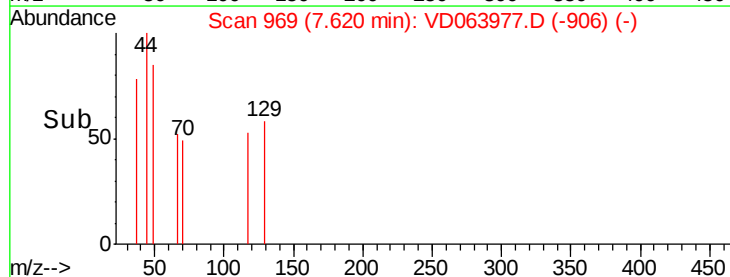
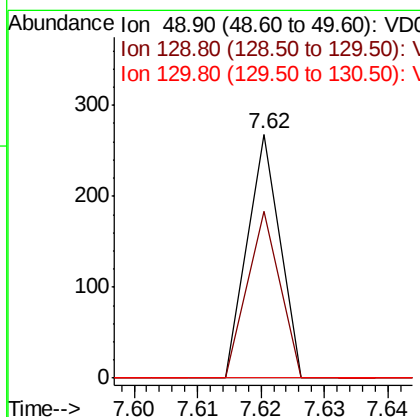
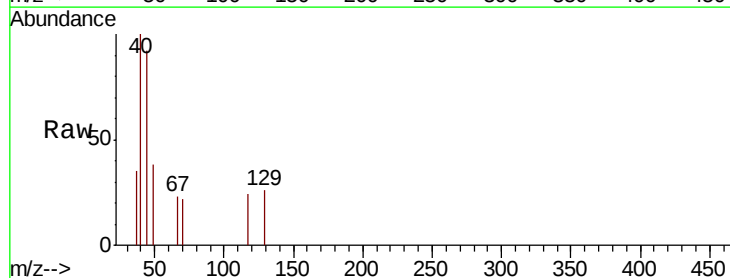
Instrument :
MSVOA_D
ClientSampleId :
SU-01-101519

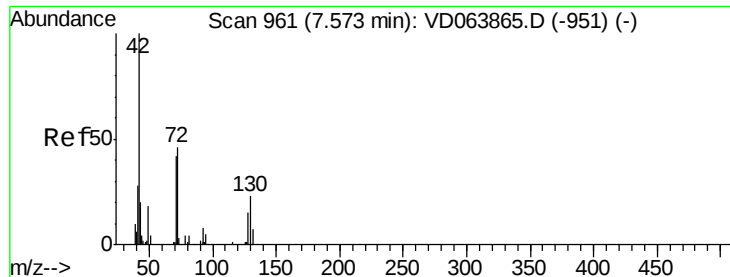
Tot Ion: 43 Resp: 1048
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#28
Bromochloromethane
Concen: 2.075 ug/l
RT: 7.62 min Scan# 969
Delta R.T. 0.07 min
Lab File: VD063977.D
Acq: 15 Oct 2019 17:41

Tgt Ion: 49 Resp: 95
Ion Ratio Lower Upper
49 100
129 68.4 0.0 5.6#
130 0.0 66.8 100.2#





#29

Tetrahydrofuran

Concen: 1.069 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.04 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

SU-01-101519

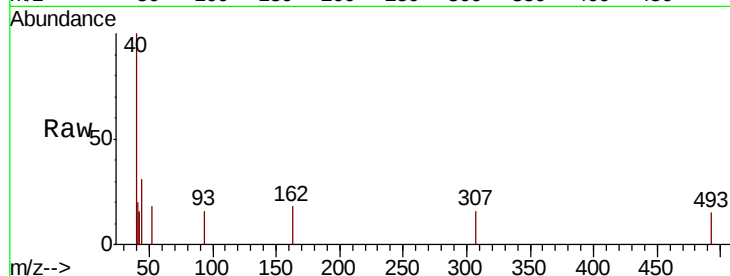
Tot Ion: 42 Resp: 122

Ion Ratio Lower Upper

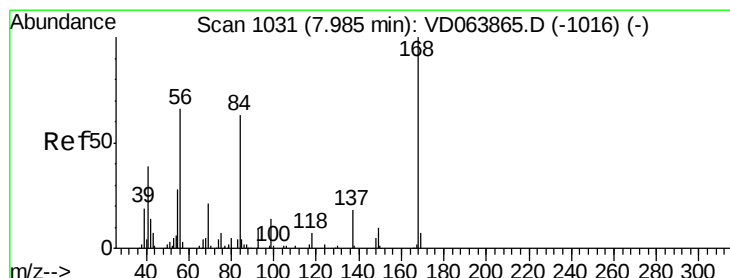
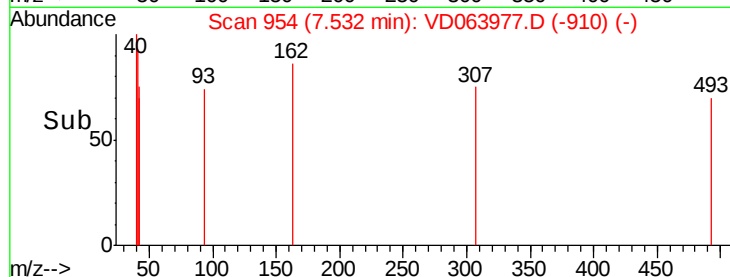
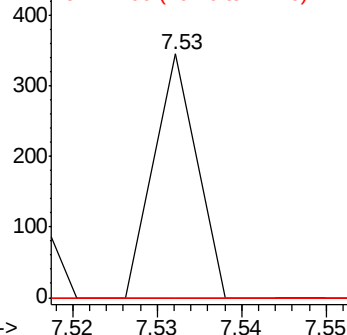
42 100

72 0.0 37.6 56.4#

71 0.0 35.0 52.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

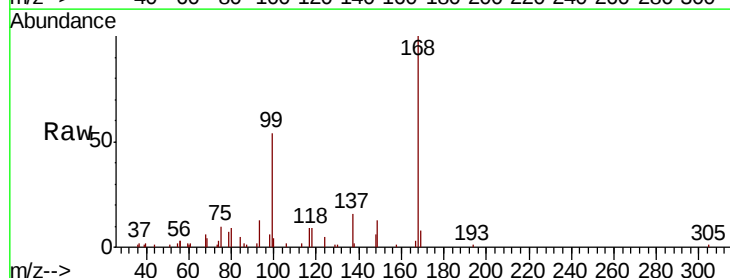
Tgt Ion: 56 Resp: 1736

Ion Ratio Lower Upper

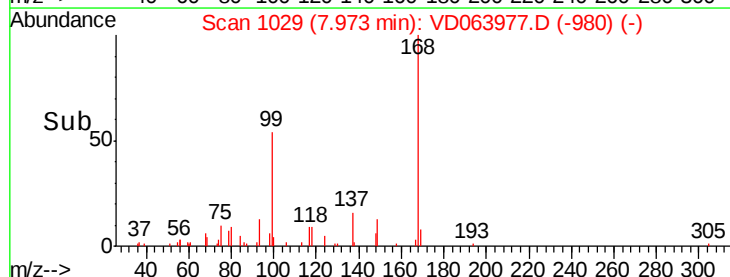
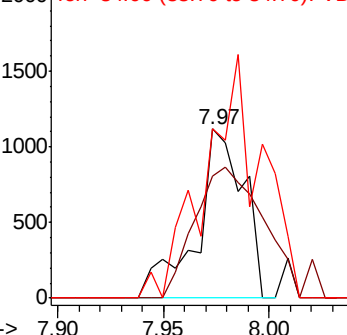
56 100

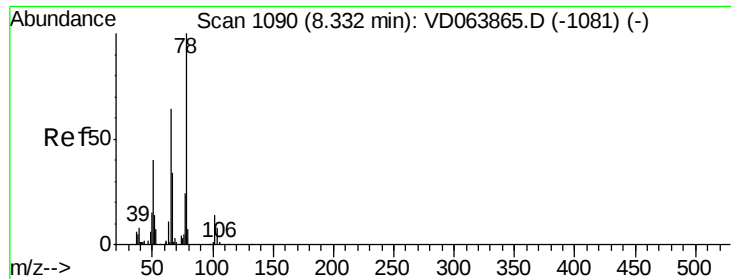
69 71.9 25.0 37.4#

84 100.0 76.3 114.5



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

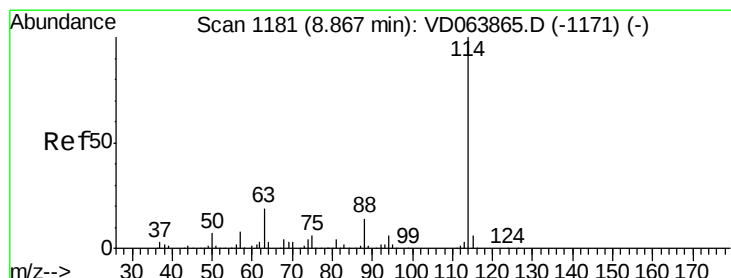
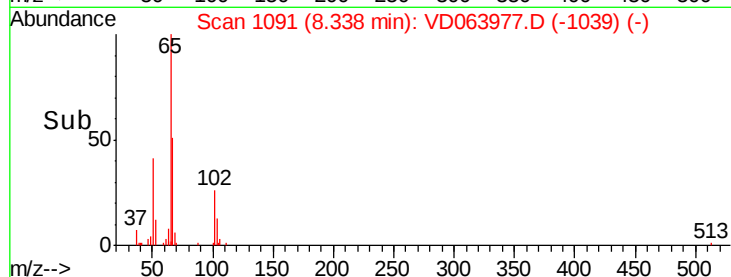
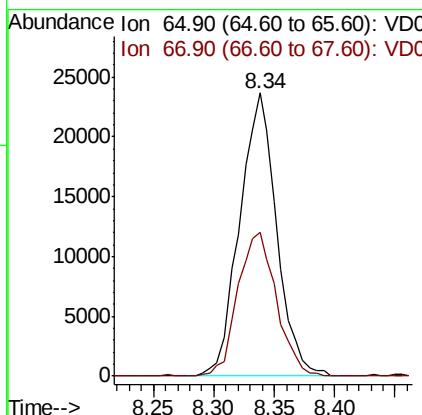
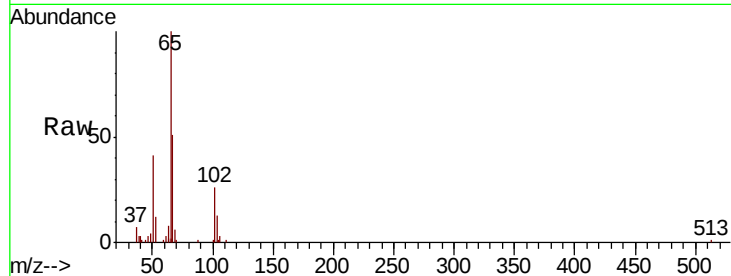




#33
 1,2-Dichloroethane-d4
 Concen: 79.543 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063977.D
 Acq: 15 Oct 2019 17:41

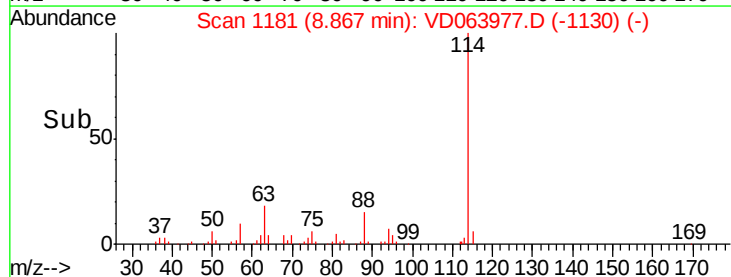
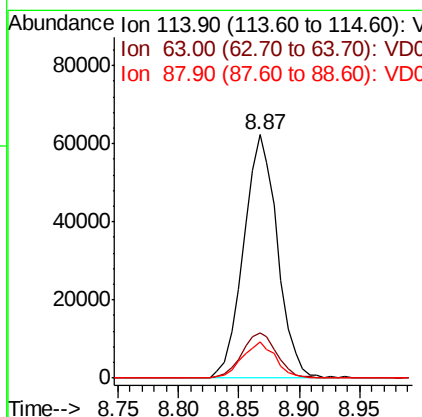
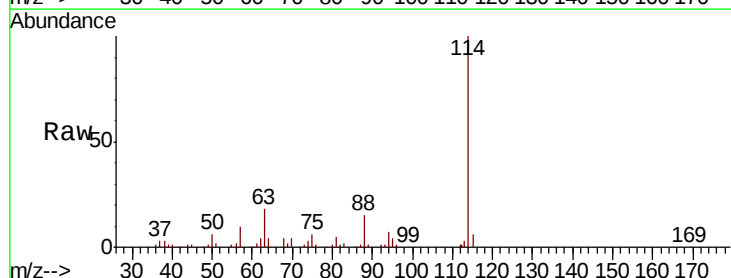
Instrument :
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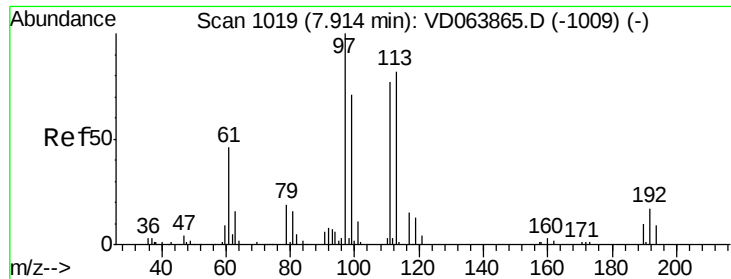
Tot Ion: 65 Resp: 50383
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD063977.D
 Acq: 15 Oct 2019 17:41

Tgt Ion: 114 Resp: 121024
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.4
 88 15.1 0.0 27.4

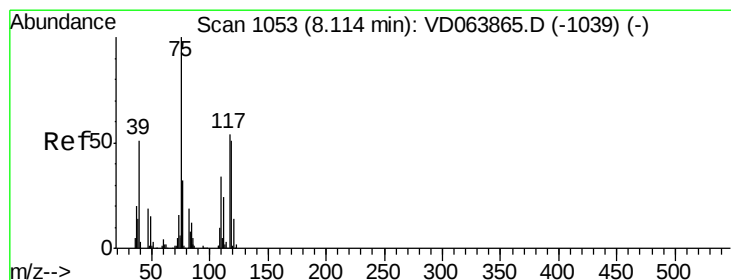
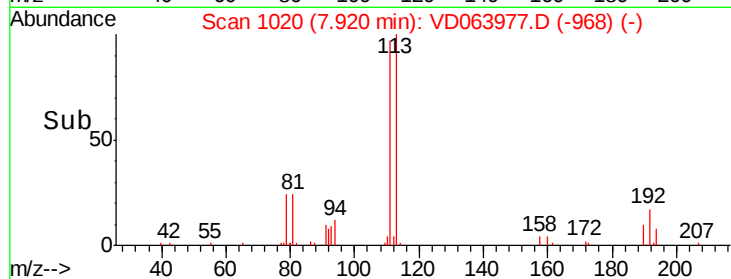
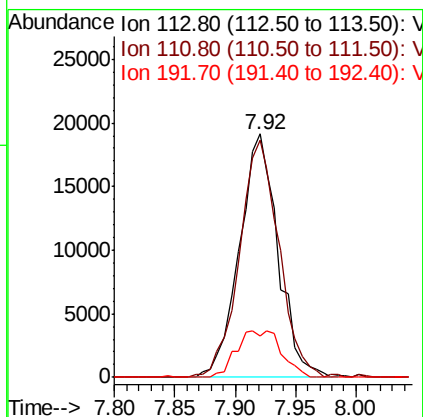
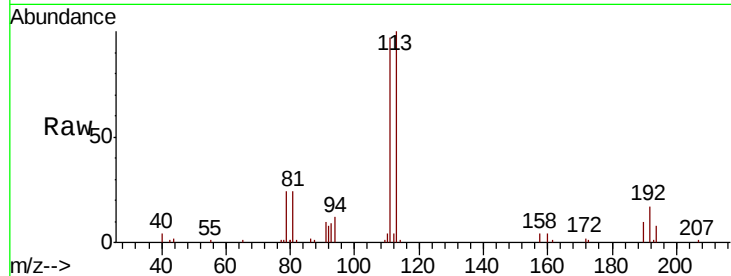




#35
 Dibromofluoromethane
 Concen: 57.769 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063977.D
 Acq: 15 Oct 2019 17:41

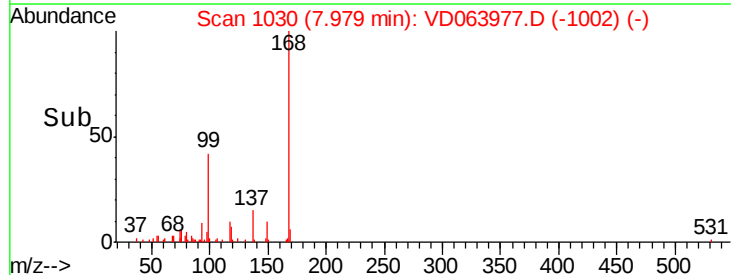
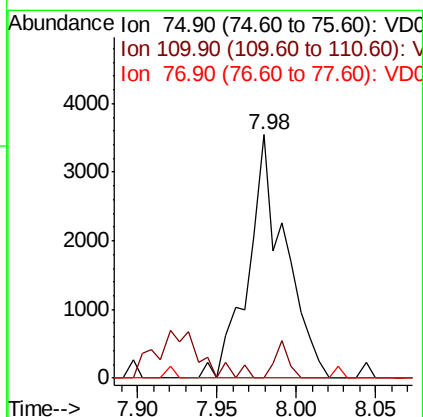
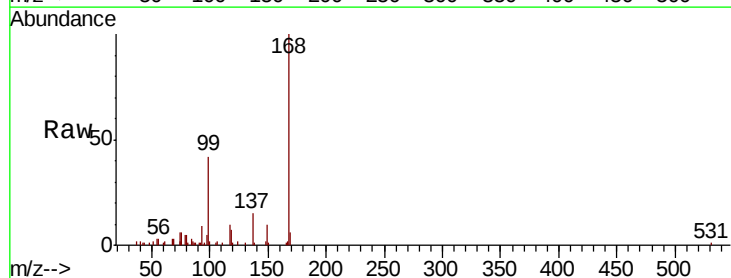
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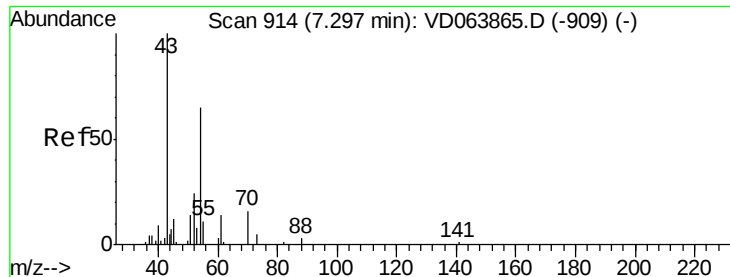
Tot Ion:113 Resp: 42727
 Ion Ratio Lower Upper
 113 100
 111 99.8 82.6 123.8
 192 22.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063977.D
 Acq: 15 Oct 2019 17:41

Tgt Ion: 75 Resp: 5671
 Ion Ratio Lower Upper
 75 100
 110 5.7 17.4 52.3#
 77 0.0 25.4 38.0#

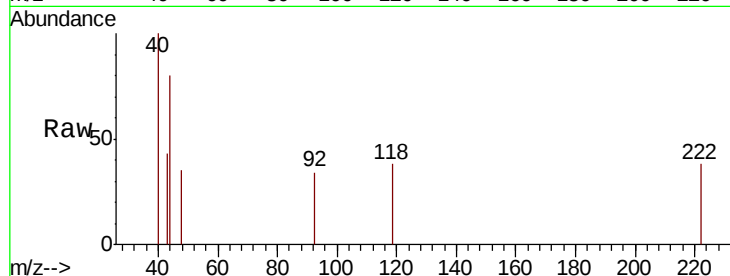




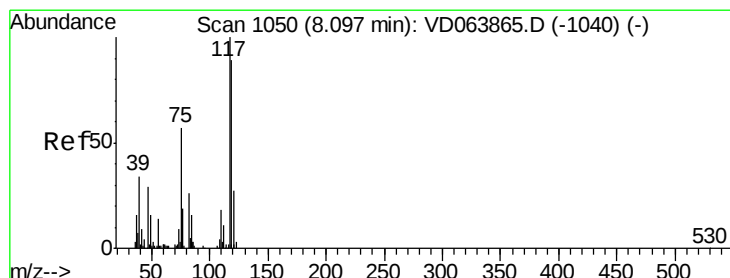
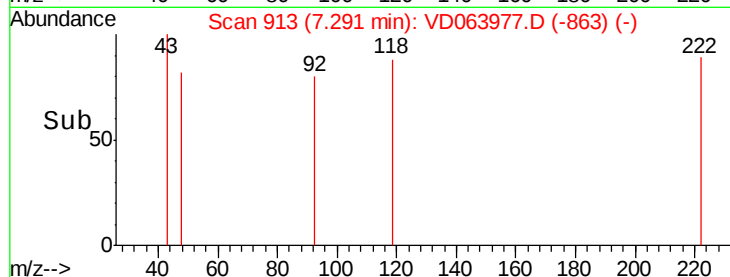
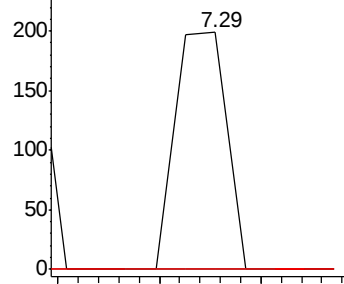
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD063977.D
Acq: 15 Oct 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
SU-01-101519

Tot Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

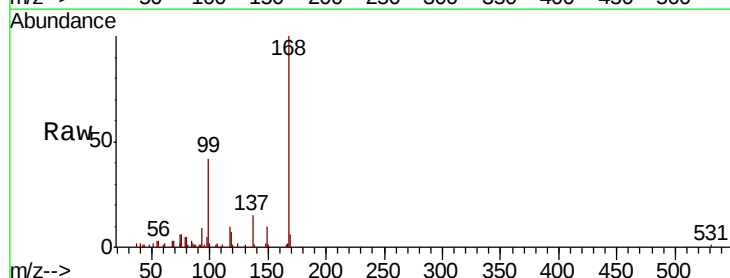


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

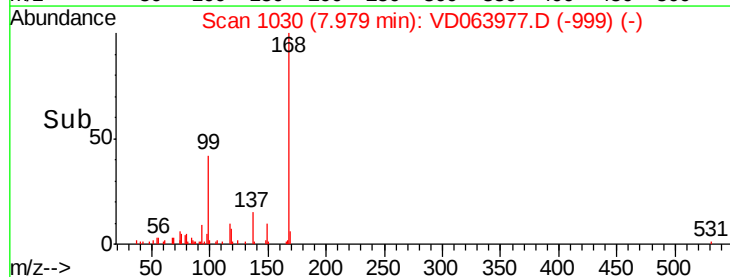
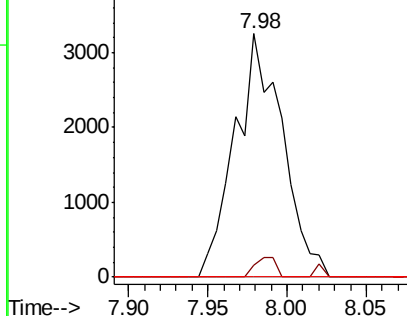


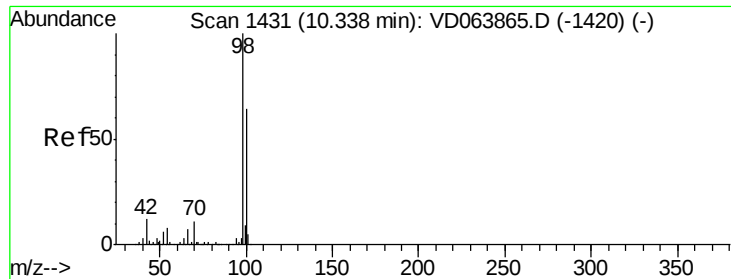
#38
Carbon Tetrachloride
Concen: 6.051 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063977.D
Acq: 15 Oct 2019 17:41

Tgt Ion: 117 Resp: 6766
Ion Ratio Lower Upper
117 100
119 5.0 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

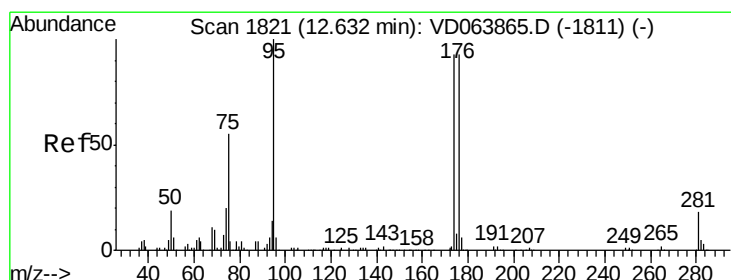
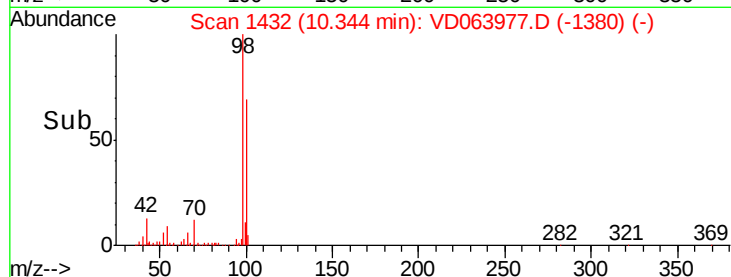
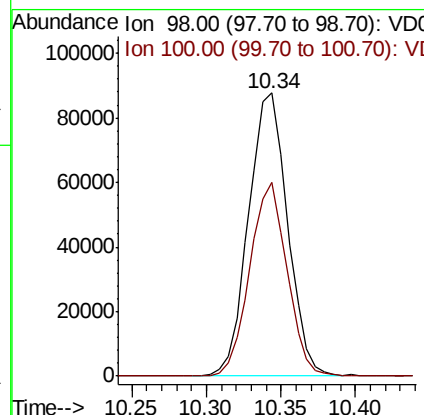
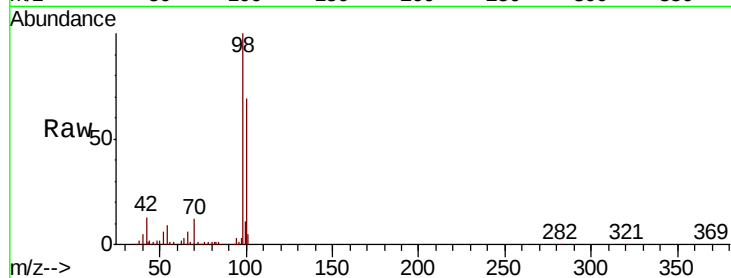




#50
Toluene-d8
Concen: 52.831 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063977.D
Acq: 15 Oct 2019 17:41

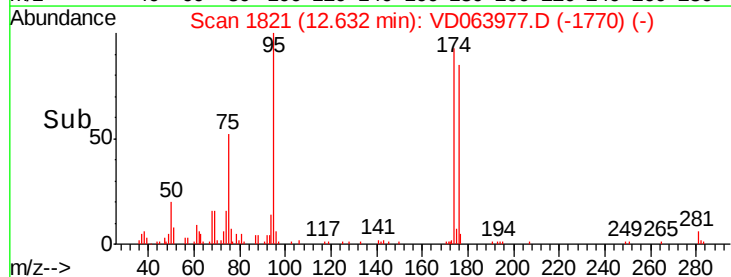
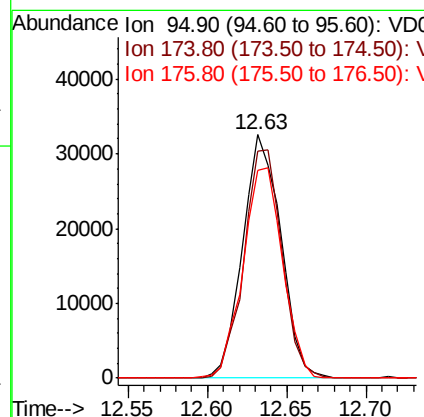
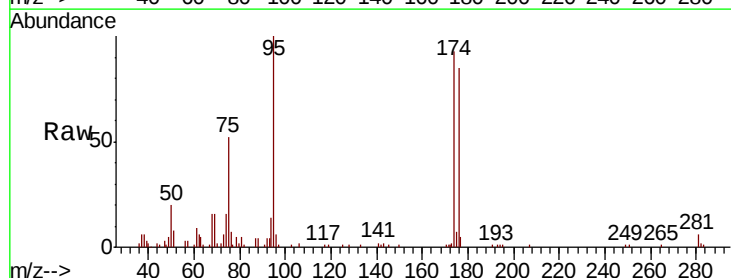
Instrument :
MSVOA_D
ClientSampleId :
SU-01-101519

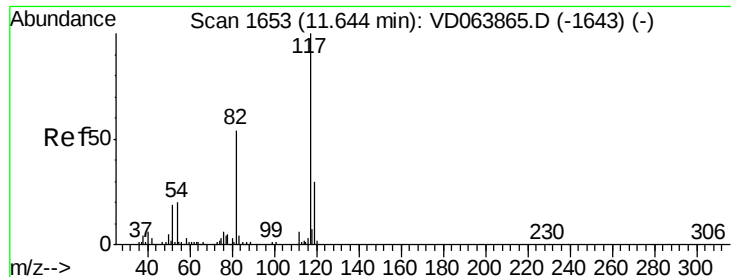
Tot Ion: 98 Resp: 158597
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 52.230 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD063977.D
Acq: 15 Oct 2019 17:41

Tgt Ion: 95 Resp: 54486
Ion Ratio Lower Upper
95 100
174 93.3 0.0 186.4
176 89.6 0.0 184.2

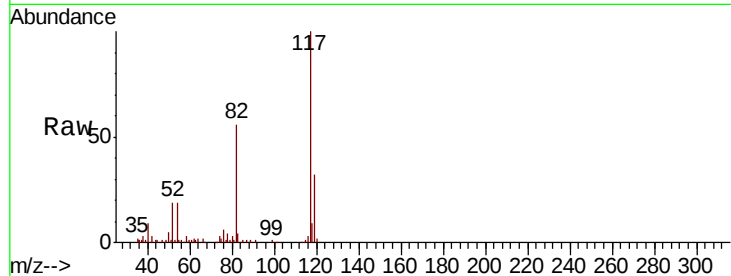




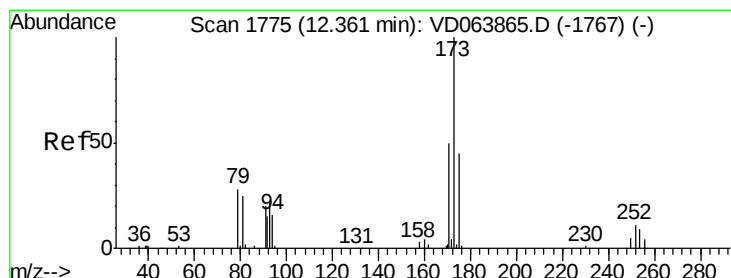
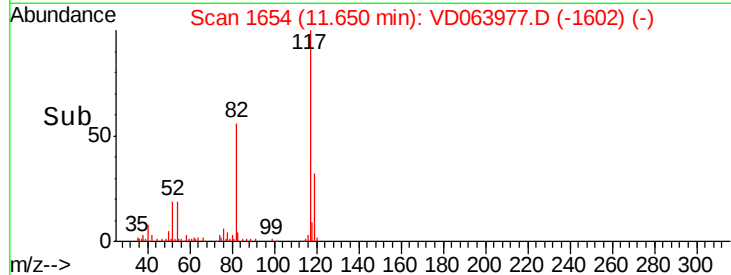
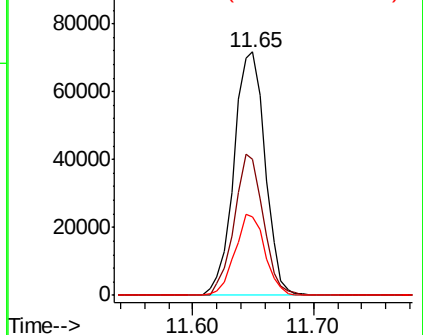
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063977.D
Acq: 15 Oct 2019 17:41

Instrument :
MSVOA_D
ClientSampleId :
SU-01-101519

Tot Ion:117 Resp: 128869
Ion Ratio Lower Upper
117 100
82 55.7 42.8 64.2
119 32.0 24.4 36.6

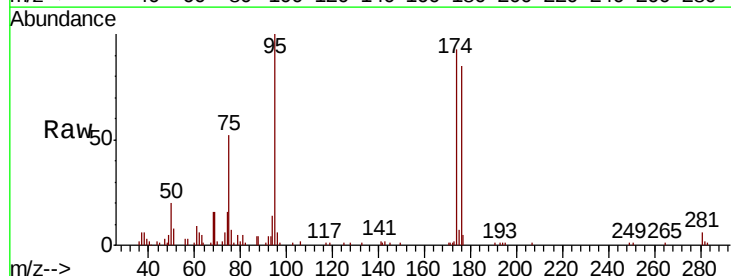


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

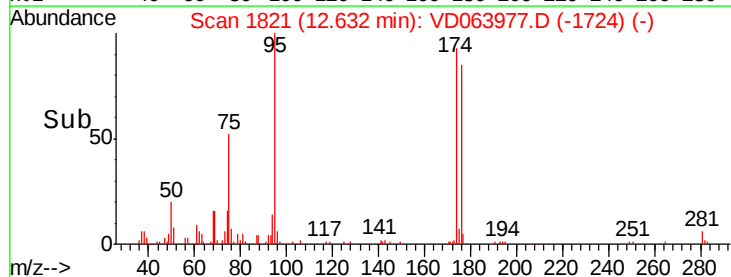
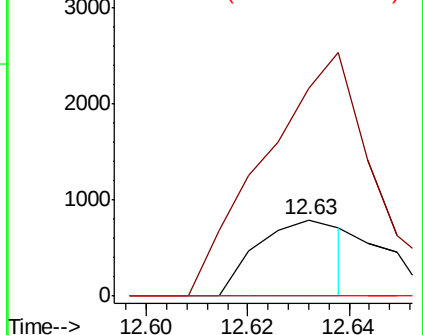


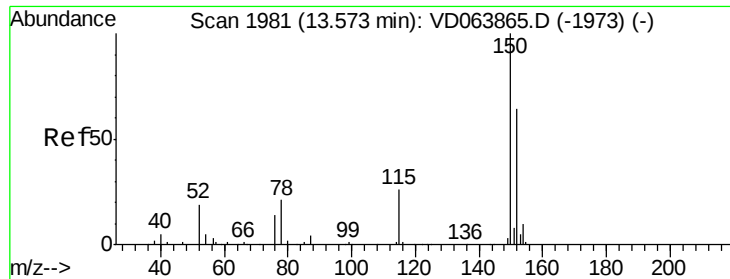
#71
Bromoform
Concen: 1.827 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD063977.D
Acq: 15 Oct 2019 17:41

Tgt Ion:173 Resp: 935
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

SU-01-101519

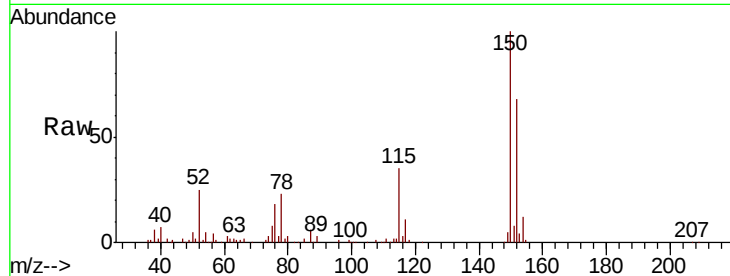
Tot Ion:152 Resp: 63674

Ion Ratio Lower Upper

152 100

115 55.9 25.9 77.7

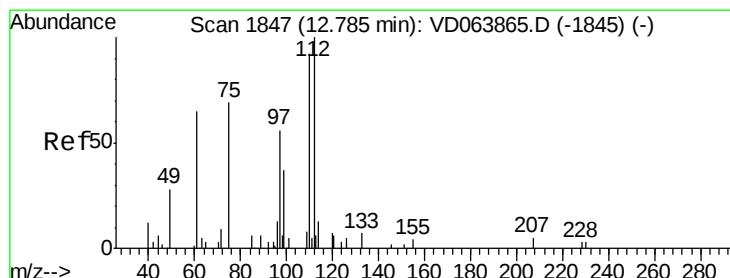
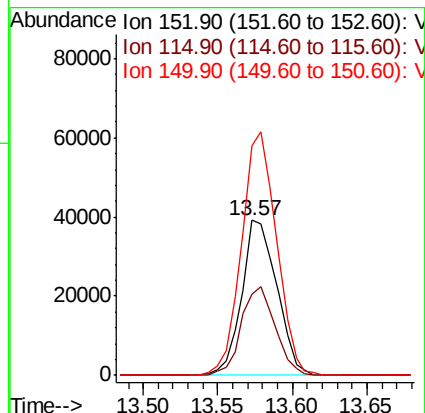
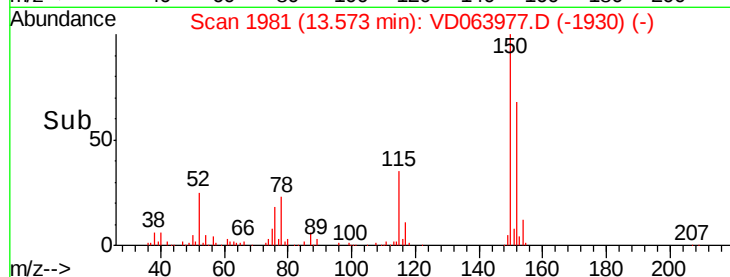
150 156.8 0.0 344.2



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: 69.566 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063977.D

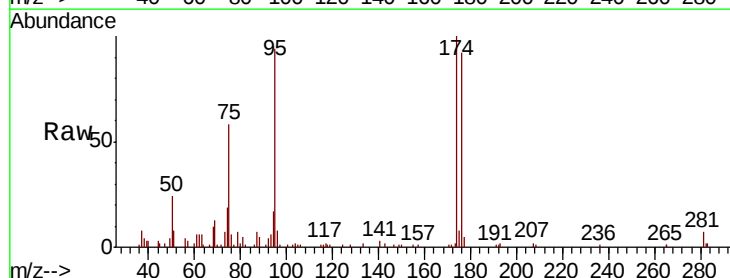
Acq: 15 Oct 2019 17:41

Tgt Ion: 75 Resp: 29668

Ion Ratio Lower Upper

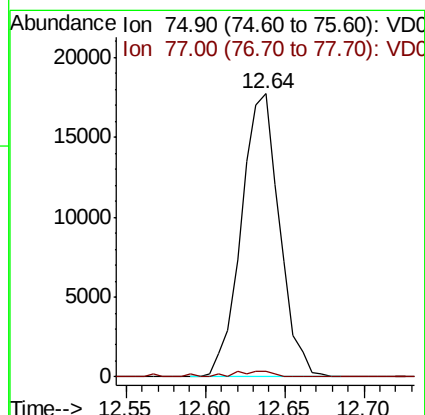
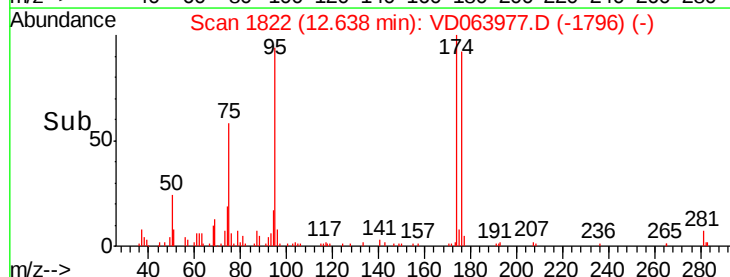
75 100

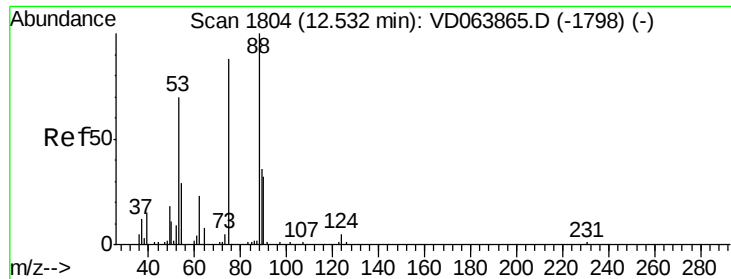
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 123.104 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

Instrument :

MSVOA_D

ClientSampleId :

SU-01-101519

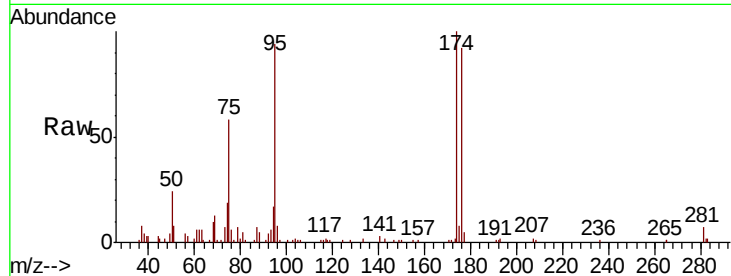
Tot Ion: 75 Resp: 29668

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

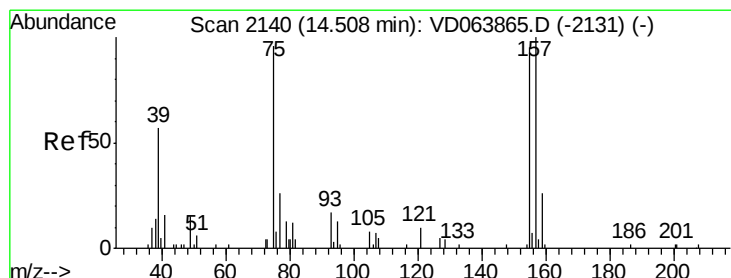
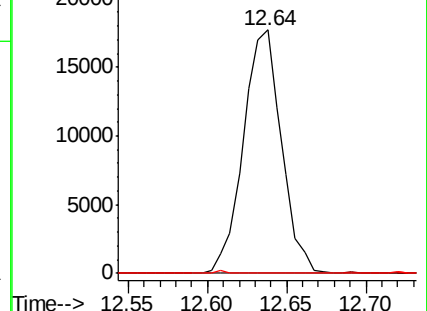
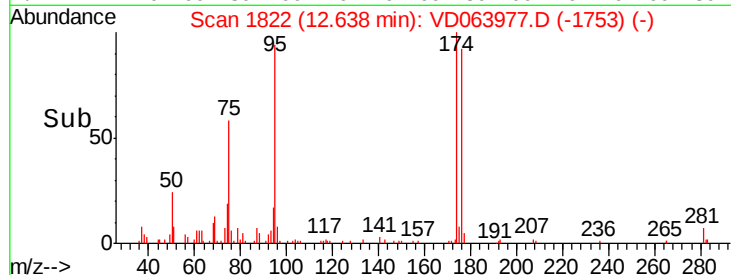
89 0.0 38.2 57.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.49 min Scan# 2137

Delta R.T. -0.02 min

Lab File: VD063977.D

Acq: 15 Oct 2019 17:41

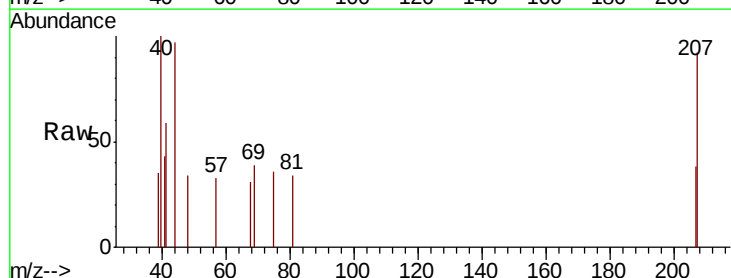
Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

