

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064150.D
 Acq On : 01 Nov 2019 17:01
 Operator : VA/SY
 Sample : K5676-01
 Misc : 7.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-110119

Quant Time: Nov 01 18:27:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

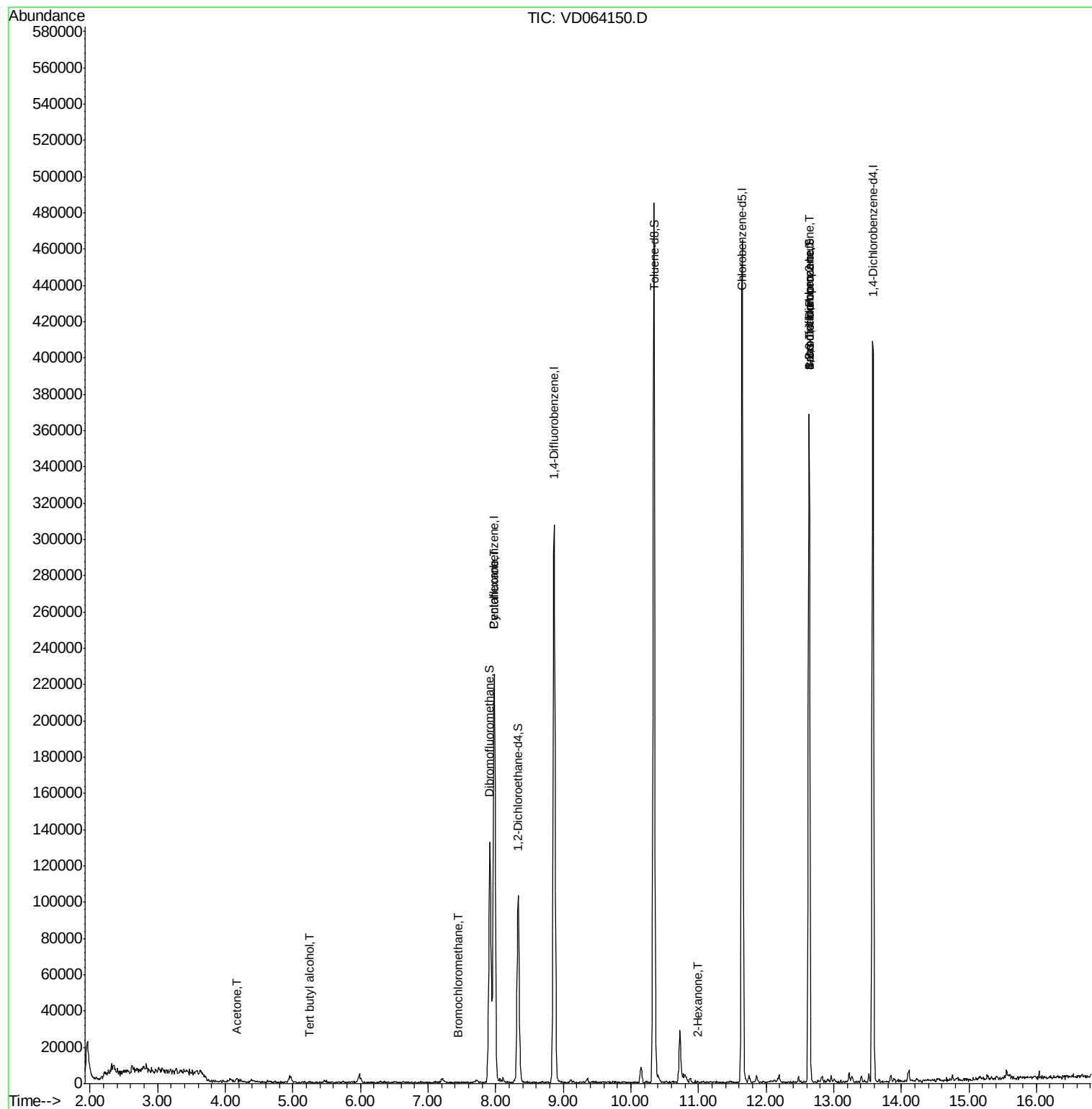
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	176470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	278349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	280056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116338	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	81468	58.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.10%	
35) Dibromofluoromethane	7.92	113	94104	54.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.90%	
50) Toluene-d8	10.34	98	337428	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.64	95	105771	46.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.18%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	180	8.364	ug/l #	71
16) Acetone	4.17	43	3657	13.695	ug/l #	74
20) Methylene Chloride	4.97	84	1425	Below Cal	#	64
28) Bromochloromethane	7.44	49	72	2.316	ug/l #	5
31) Cyclohexane	7.98	56	4684	1.794	ug/l #	82
59) 2-Hexanone	10.99	43	72	9.114	ug/l #	1
71) Bromoform	12.64	173	1275	1.103	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	54958	70.303	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	54958	143.578	ug/l #	15

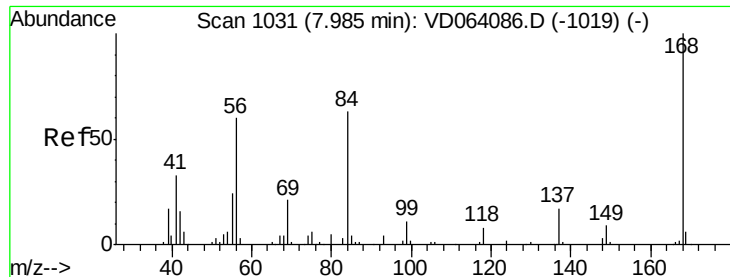
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 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: VD064150.D

Acq: 01 Nov 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

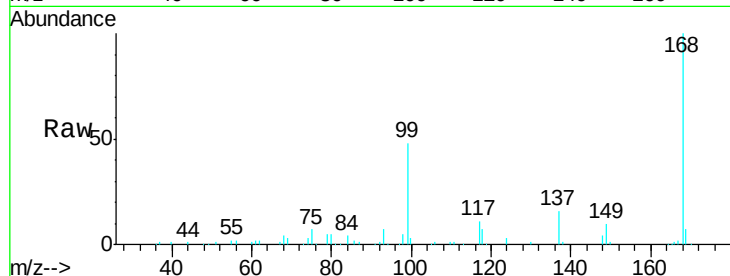
SU-02-110119

Tgt Ion:168 Resp: 176470

Ion Ratio Lower Upper

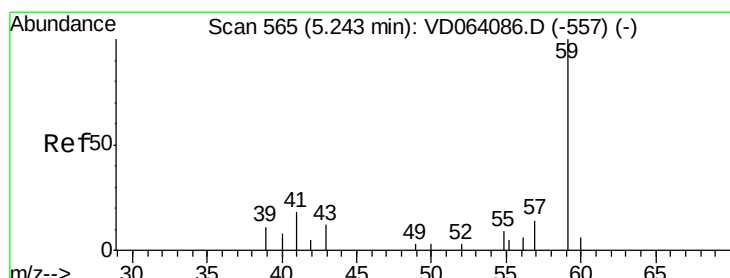
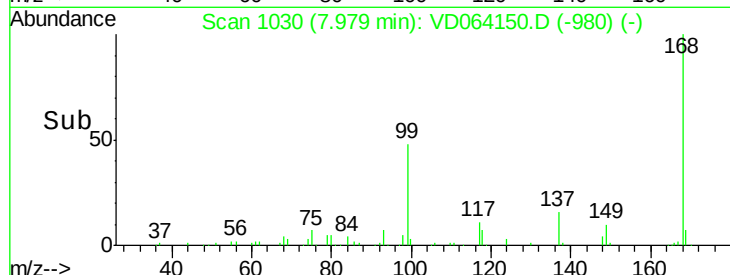
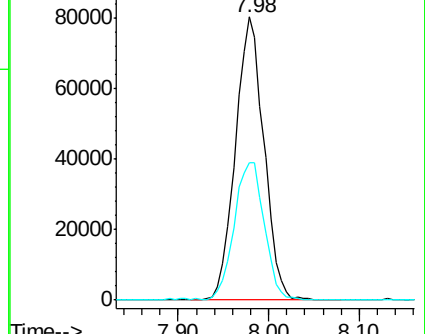
168 100

99 48.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 8.364 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD064150.D

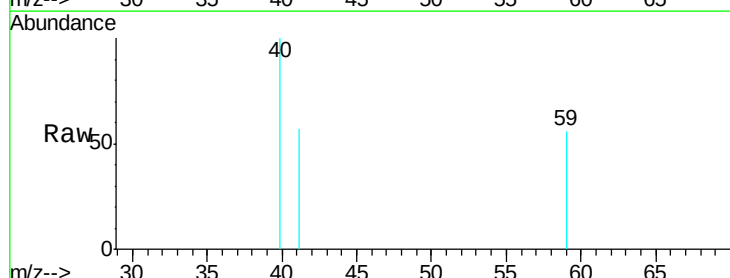
Acq: 01 Nov 2019 17:01

Tgt Ion: 59 Resp: 180

Ion Ratio Lower Upper

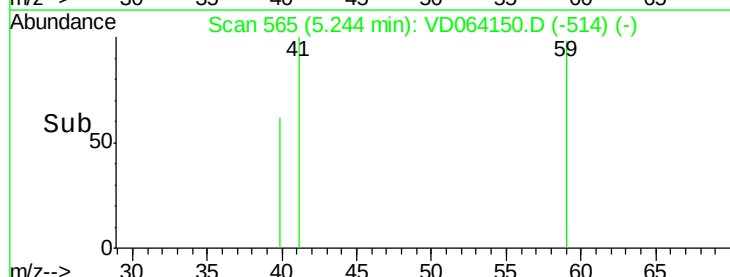
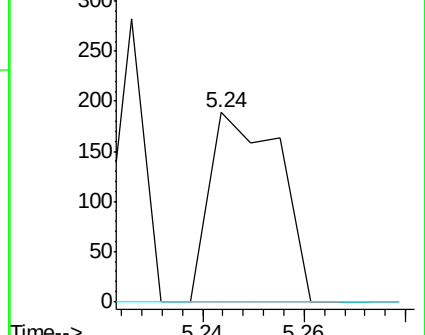
59 100

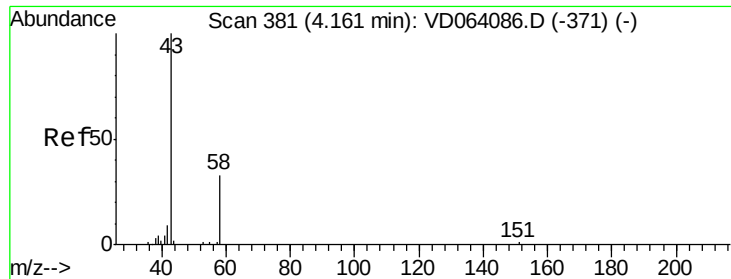
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 13.695 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064150.D

Acq: 01 Nov 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

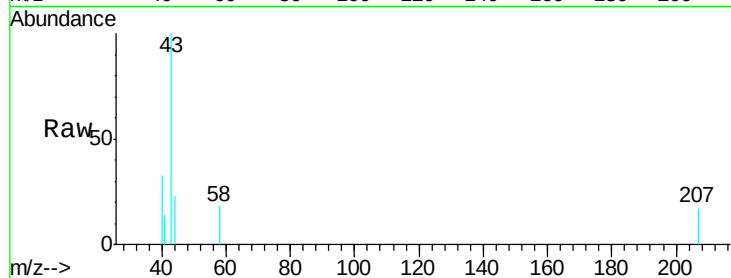
SU-02-110119

Tgt Ion: 43 Resp: 3657

Ion Ratio Lower Upper

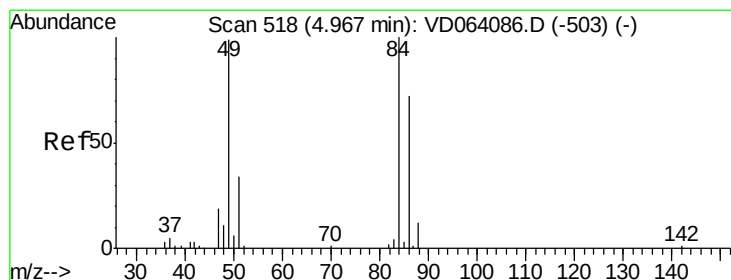
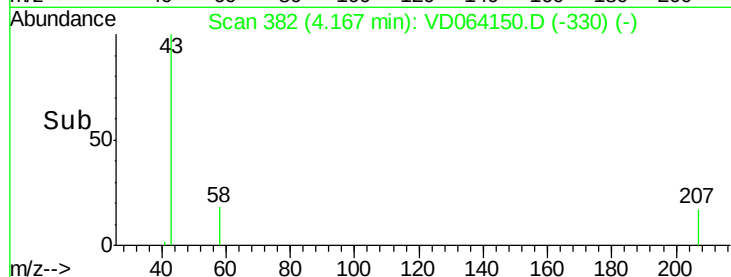
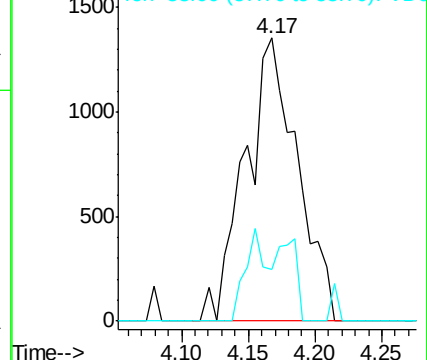
43 100

58 18.3 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064150.D

Acq: 01 Nov 2019 17:01

Tgt Ion: 84 Resp: 1425

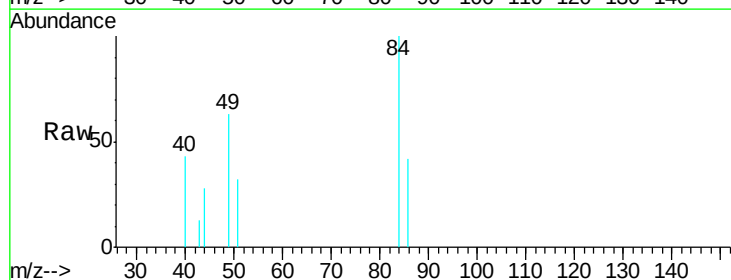
Ion Ratio Lower Upper

84 100

49 51.4 79.4 119.0#

51 32.2 27.4 41.2

86 42.4 57.4 86.0#

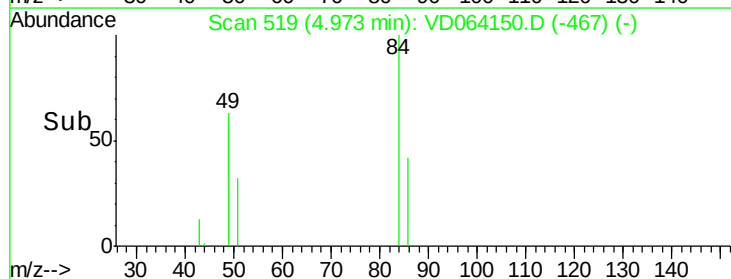
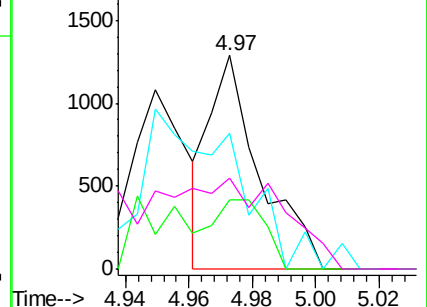


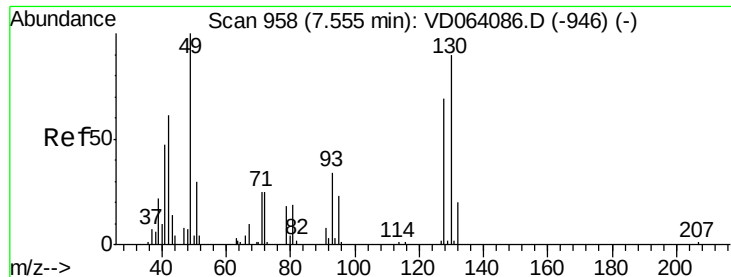
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#28

Bromochloromethane

Concen: 2.316 ug/l

RT: 7.44 min Scan# 938

Delta R.T. -0.12 min

Lab File: VD064150.D

Acq: 01 Nov 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

SU-02-110119

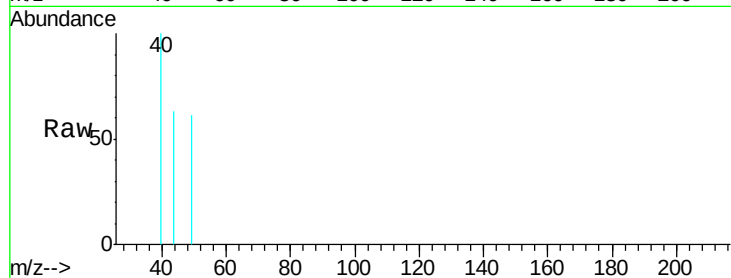
Tgt Ion: 49 Resp: 72

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

130 0.0 75.3 112.9#

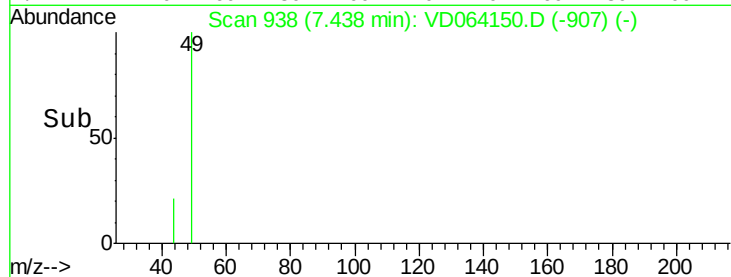


Abundance Ion 48.90 (48.60 to 49.60): VDC

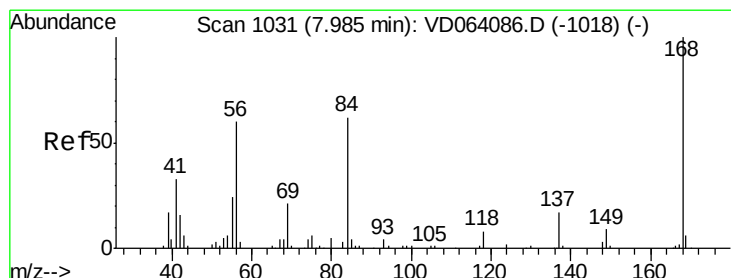
Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

Time-->



Time-->



#31

Cyclohexane

Concen: 1.794 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064150.D

Acq: 01 Nov 2019 17:01

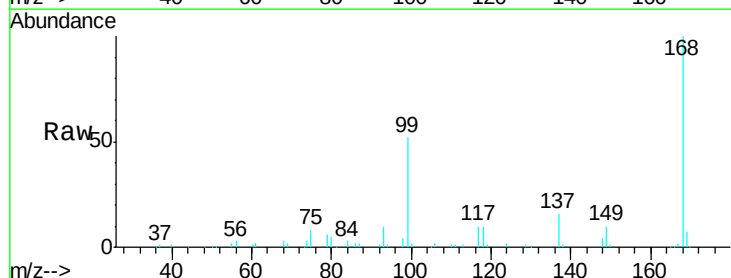
Tgt Ion: 56 Resp: 4684

Ion Ratio Lower Upper

56 100

69 65.8 27.7 41.5#

84 110.1 83.1 124.7

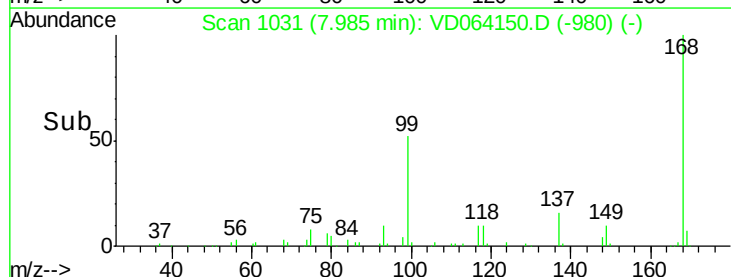


Abundance Ion 56.00 (55.70 to 56.70): VDC

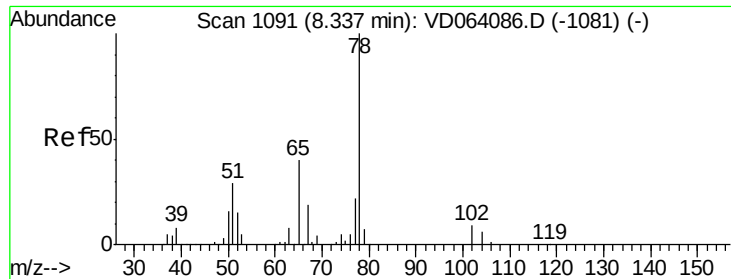
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

Time-->



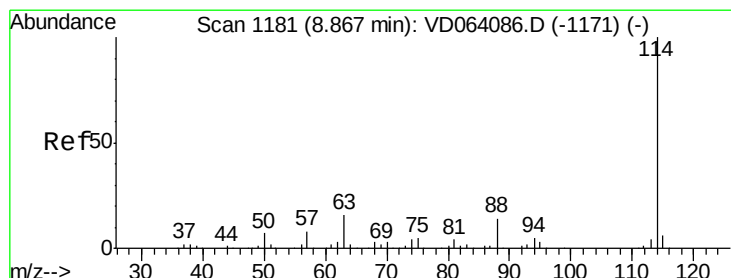
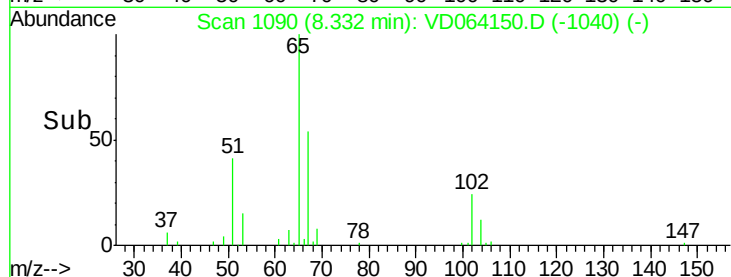
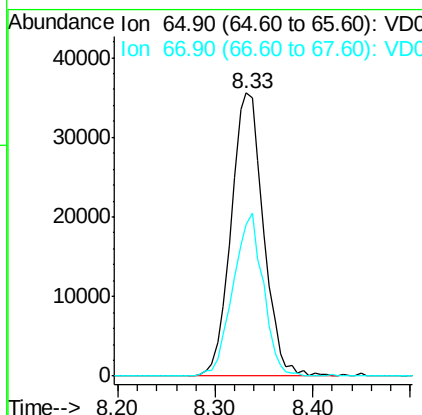
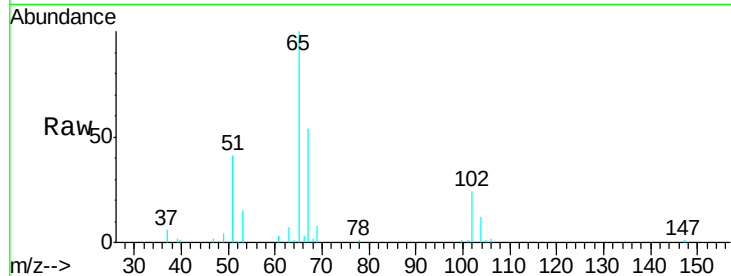
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 58.047 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064150.D
 Acq: 01 Nov 2019 17:01

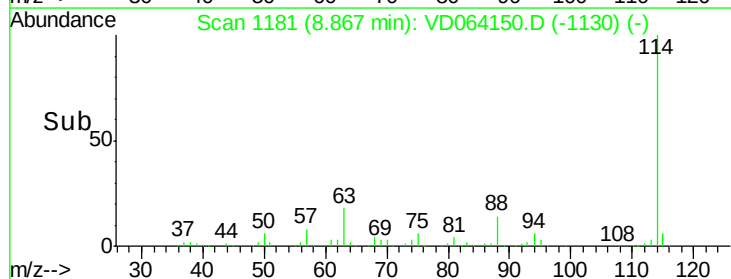
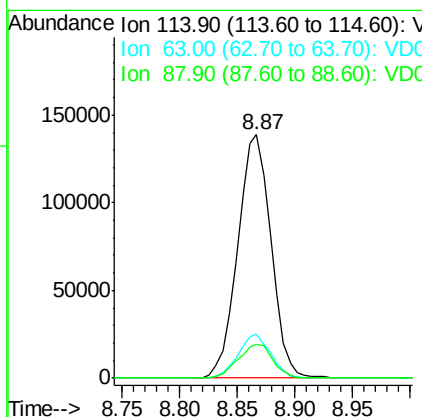
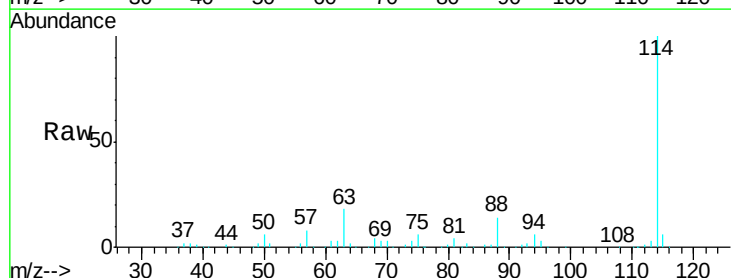
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-110119

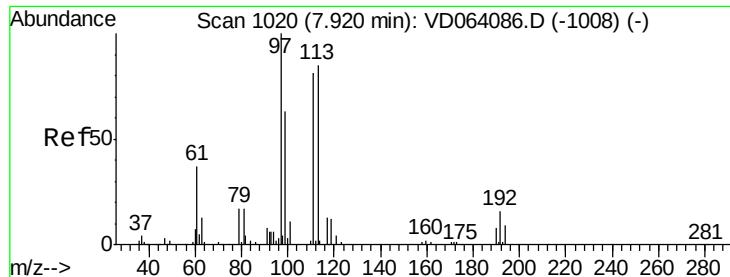
Tgt Ion: 65 Resp: 81468
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064150.D
 Acq: 01 Nov 2019 17:01

Tgt Ion: 114 Resp: 278349
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 32.8
 88 13.9 0.0 27.6





#35

Dibromofluoromethane

Concen: 54.952 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064150.D

Acq: 01 Nov 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

SU-02-110119

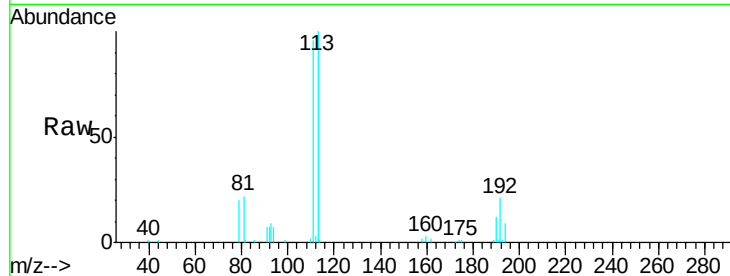
Tgt Ion:113 Resp: 94104

Ion Ratio Lower Upper

113 100

111 99.2 79.3 118.9

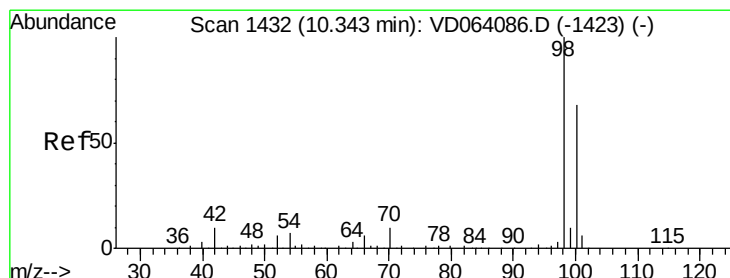
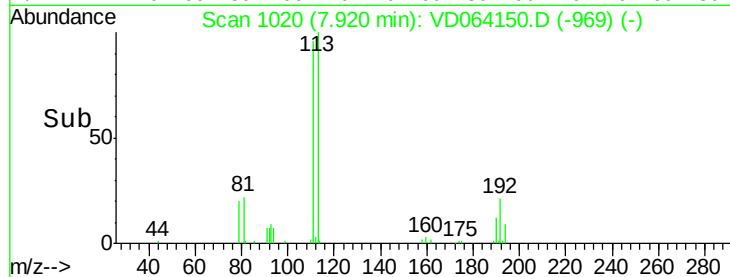
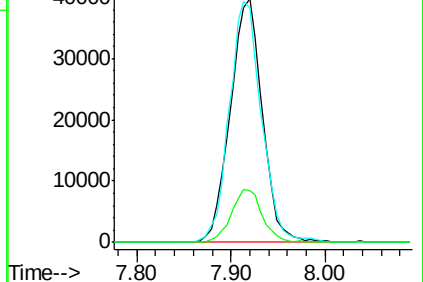
192 20.9 16.2 24.2



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



#50

Toluene-d8

Concen: 49.270 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064150.D

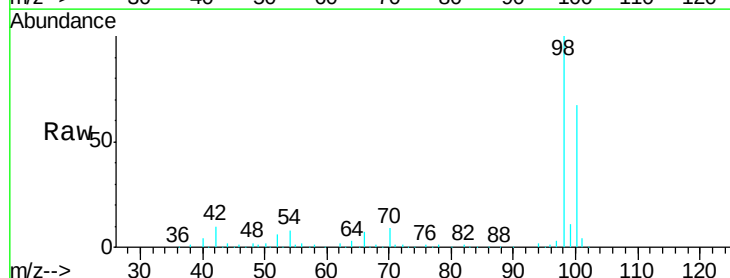
Acq: 01 Nov 2019 17:01

Tgt Ion: 98 Resp: 337428

Ion Ratio Lower Upper

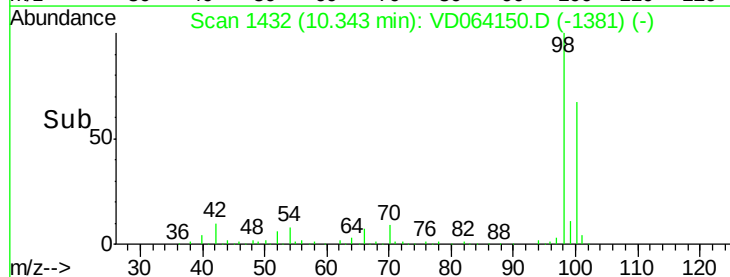
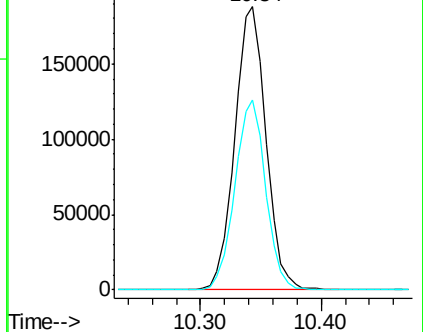
98 100

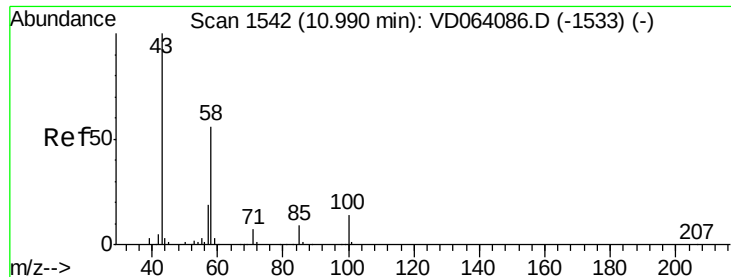
100 66.5 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#59

2-Hexanone

Concen: 9.114 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD064150.D

Acq: 01 Nov 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

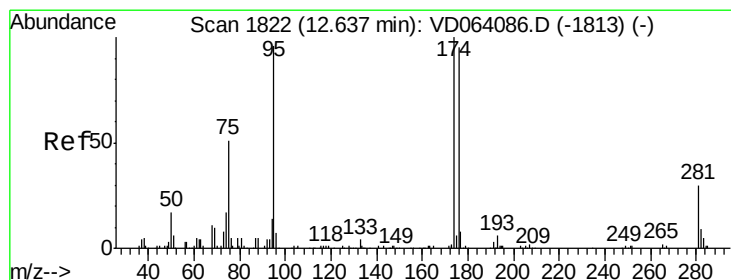
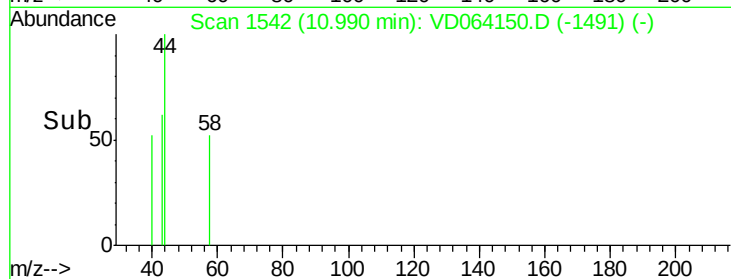
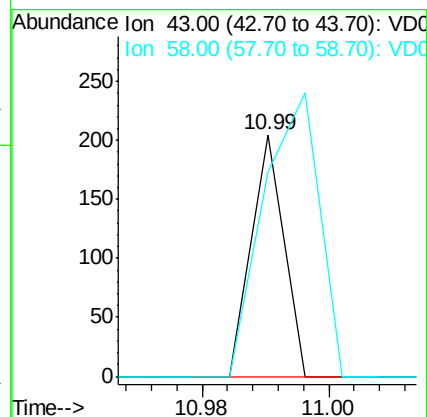
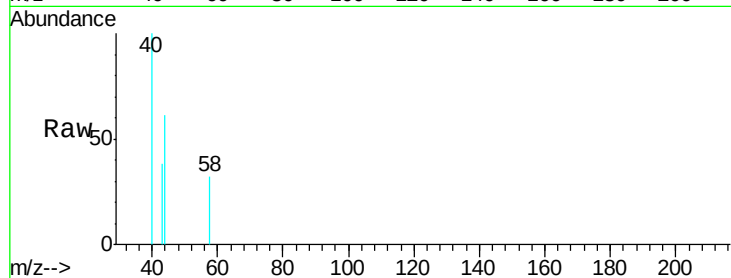
SU-02-110119

Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

58 202.8 29.2 87.6#



#62

4-Bromofluorobenzene

Concen: 46.585 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064150.D

Acq: 01 Nov 2019 17:01

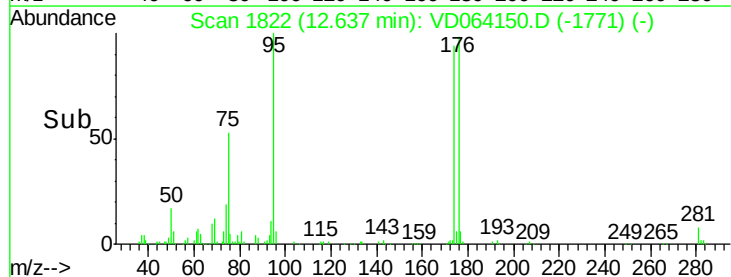
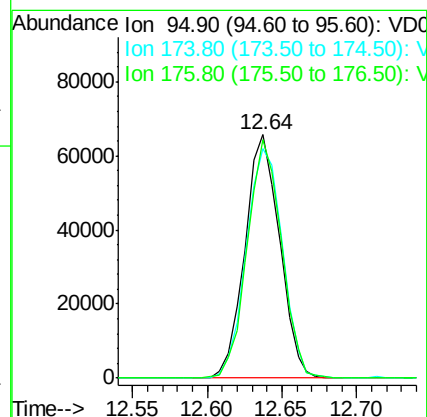
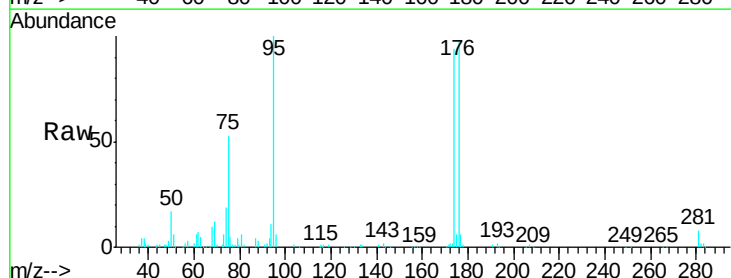
Tgt Ion: 95 Resp: 105771

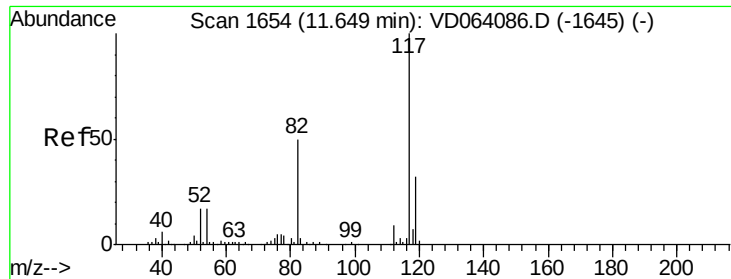
Ion Ratio Lower Upper

95 100

174 98.5 0.0 201.6

176 96.3 0.0 192.6

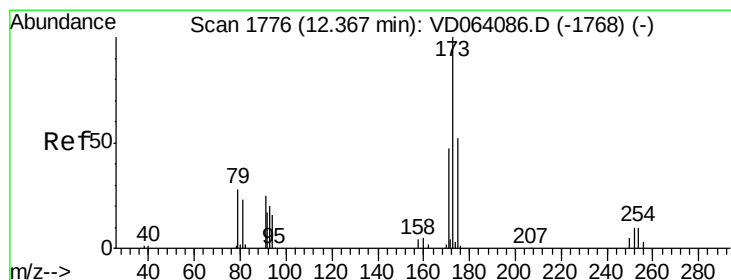
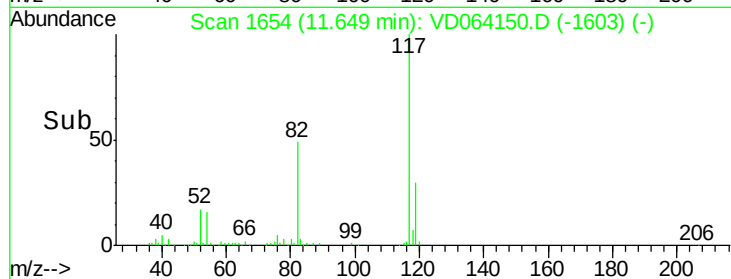
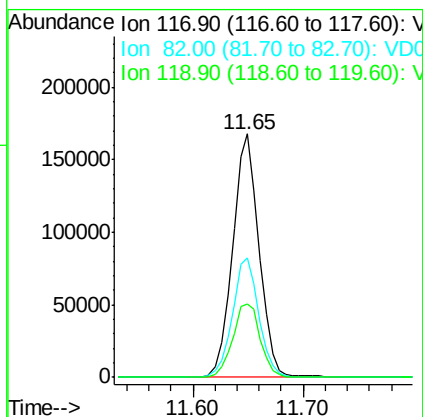
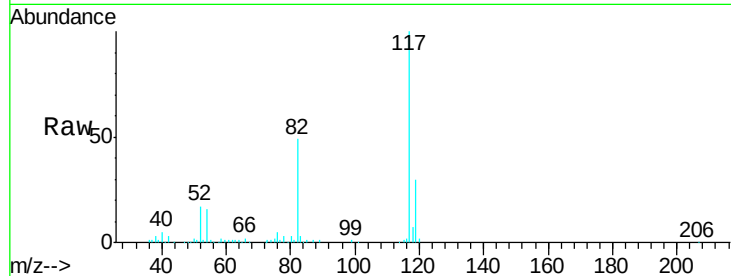




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064150.D
Acq: 01 Nov 2019 17:01

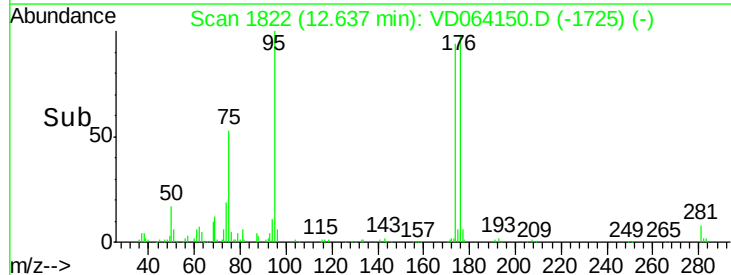
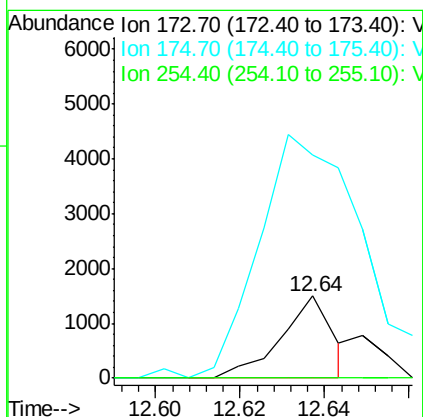
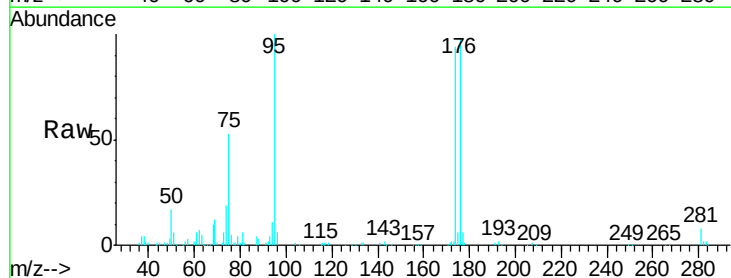
Instrument :
MSVOA_D
ClientSampleId :
SU-02-110119

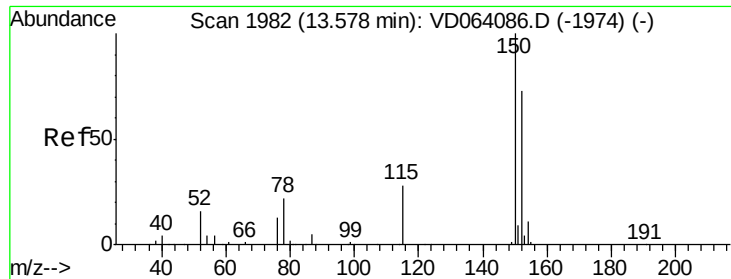
Tgt Ion:117 Resp: 280056
Ion Ratio Lower Upper
117 100
82 49.2 40.2 60.4
119 30.3 26.0 39.0



#71
Bromoform
Concen: 1.103 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064150.D
Acq: 01 Nov 2019 17:01

Tgt Ion:173 Resp: 1275
Ion Ratio Lower Upper
173 100
175 463.1 24.3 72.9#
254 0.0 0.0 0.0

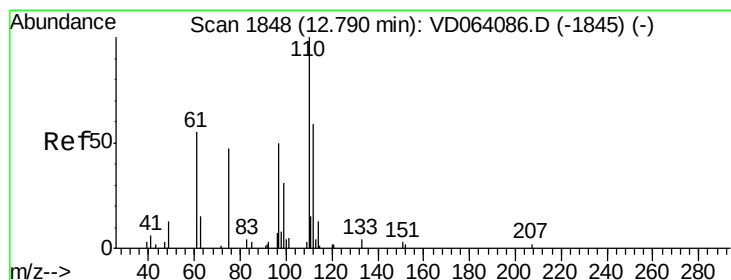
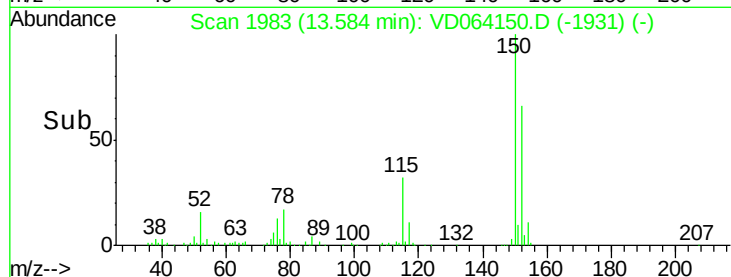
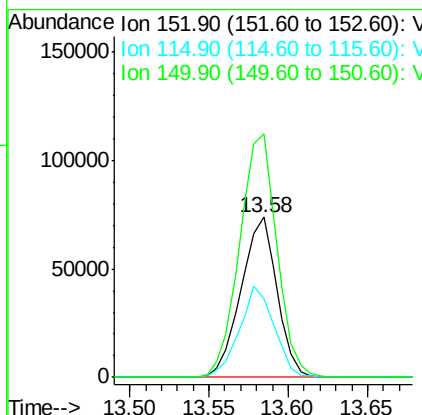
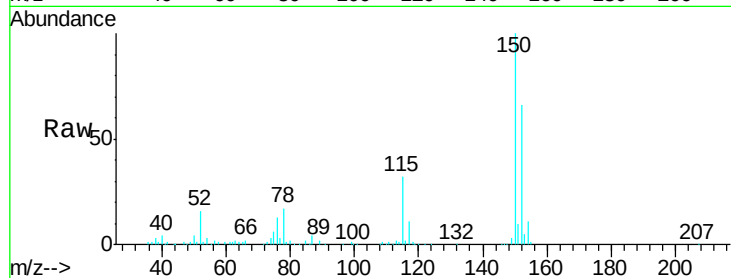




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VD064150.D
 Acq: 01 Nov 2019 17:01

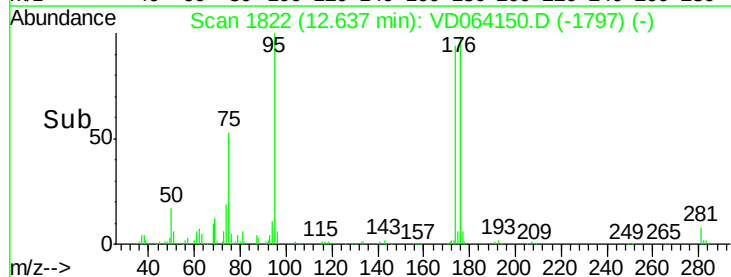
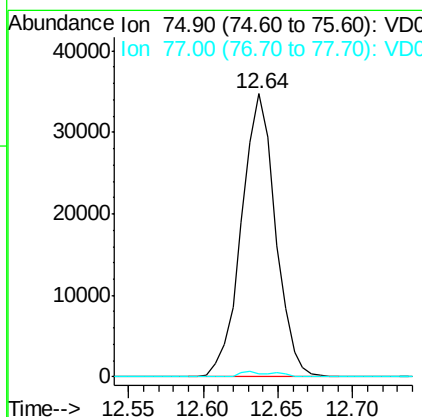
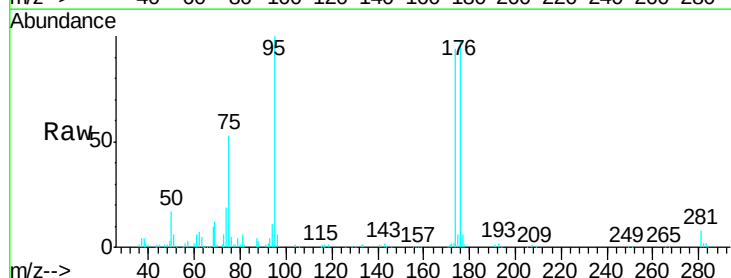
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-110119

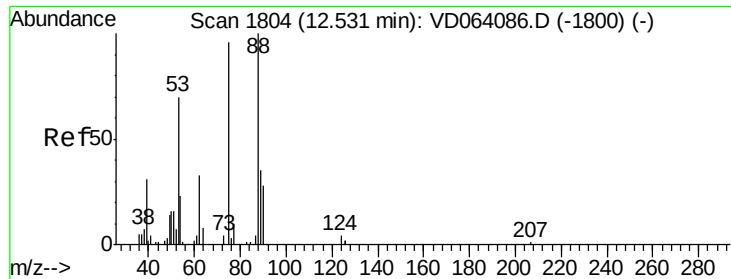
Tgt Ion:152 Resp: 116338
 Ion Ratio Lower Upper
 152 100
 115 54.6 26.2 78.6
 150 157.4 0.0 338.8



#76
 1,2,3-Trichloropropane
 Concen: 70.303 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064150.D
 Acq: 01 Nov 2019 17:01

Tgt Ion: 75 Resp: 54958
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 143.578 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064150.D

Acq: 01 Nov 2019 17:01

Instrument :

MSVOA_D

ClientSampleId :

SU-02-110119

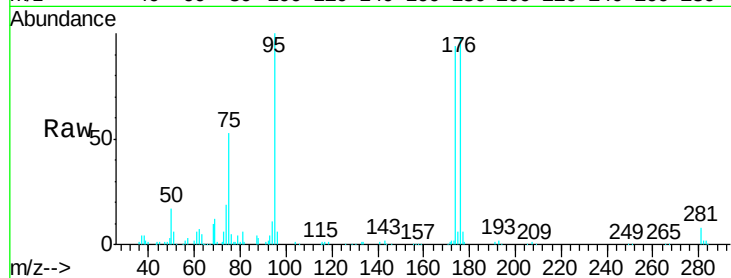
Tgt Ion: 75 Resp: 54958

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.1 36.9 55.3#



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

