

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064104.D
 Acq On : 29 Oct 2019 22:28
 Operator : VA/SY
 Sample : K5599-09
 Misc : 4.43G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:10:45 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	229400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	388761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	402335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208746	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	102958	56.43	ug/l	0.00
Spiked Amount						
			Recovery	=	112.86%	
35) Dibromofluoromethane	7.92	113	118645	49.61	ug/l	0.00
Spiked Amount						
			Recovery	=	99.22%	
50) Toluene-d8	10.34	98	479152	50.09	ug/l	0.00
Spiked Amount						
			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	161959	51.07	ug/l	0.00
Spiked Amount						
			Recovery	=	102.14%	

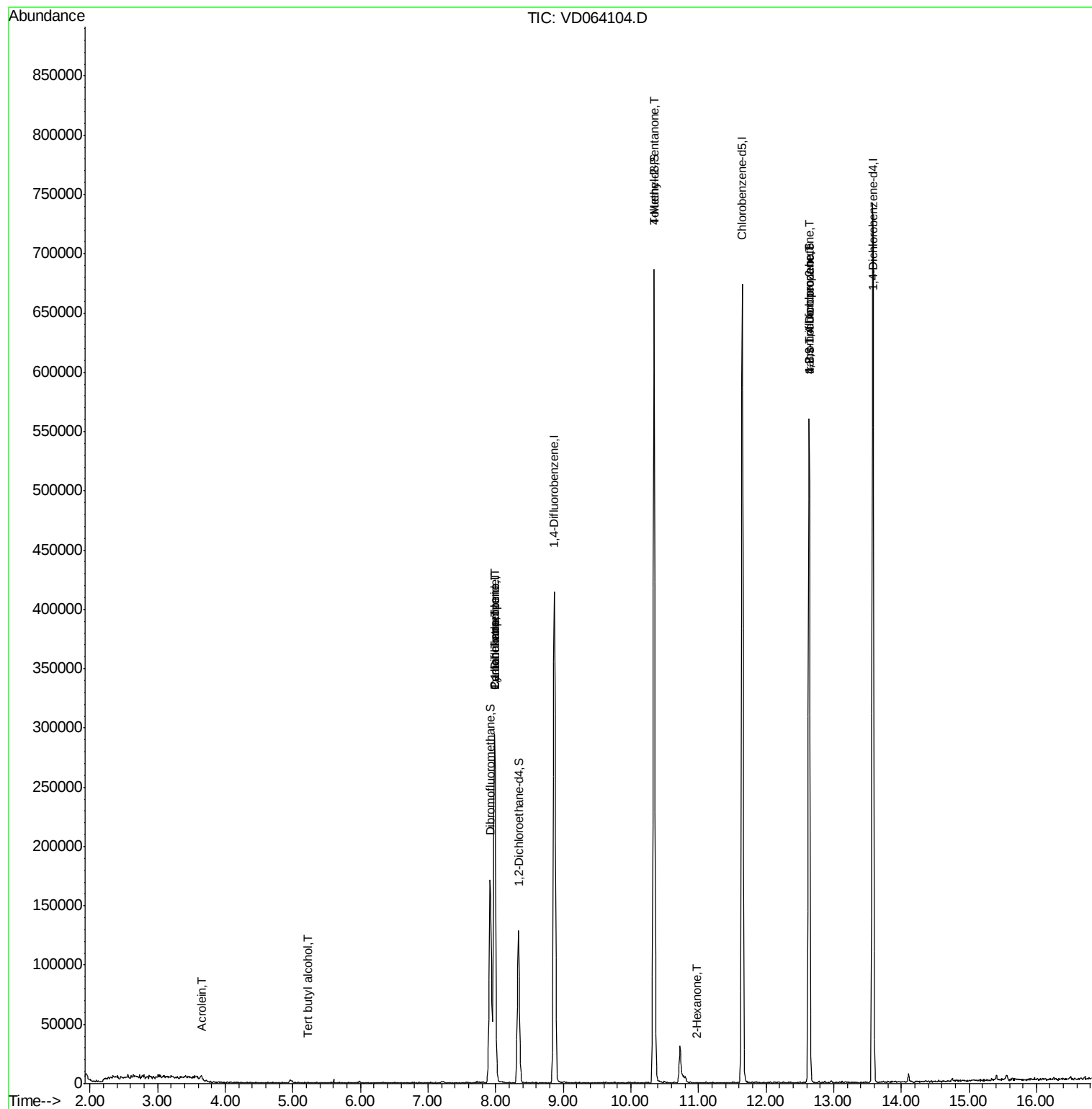
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	169	7.760	ug/l #	71
13) Acrolein	3.65	56	145	1.246	ug/l #	16
20) Methylene Chloride	4.95	84	1236	Below Cal	#	62
31) Cyclohexane	7.99	56	4456	1.313	ug/l #	66
36) 1,1-Dichloropropene	7.98	75	14905	4.092	ug/l #	52
38) Carbon Tetrachloride	7.98	117	22354	5.624	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	2464	1.997	ug/l #	1
59) 2-Hexanone	10.98	43	56	9.070	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	85457	60.925	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	85457	124.425	ug/l #	15

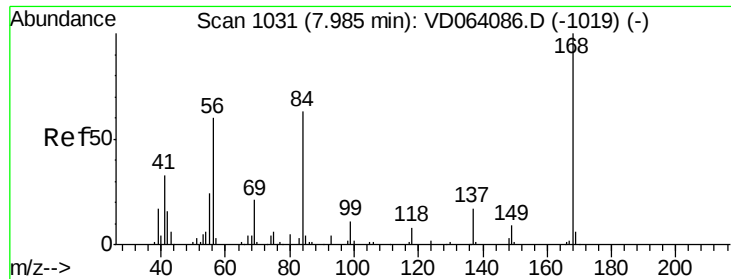
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102919\
Data File : VD064104.D
Acq On : 29 Oct 2019 22:28
Operator : VA/SY
Sample : K5599-09
Misc : 4.43G/5.00ml/MSVOA D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 30 08:10:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
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# 1031

Delta R.T. 0.00 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

Instrument :

MSVOA_D

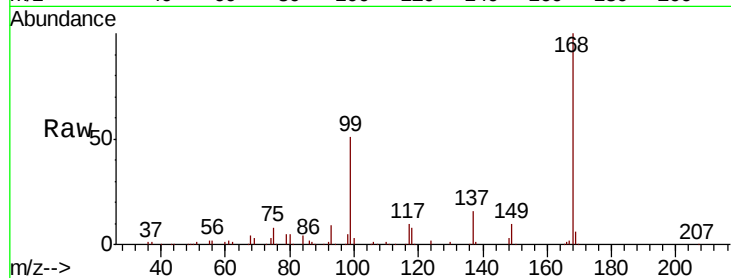
ClientSampleId :

Tot Ion:168 Resp: 229400

Ion Ratio Lower Upper

168 100

99 51.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

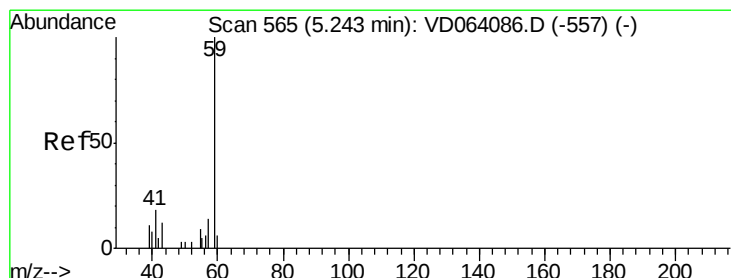
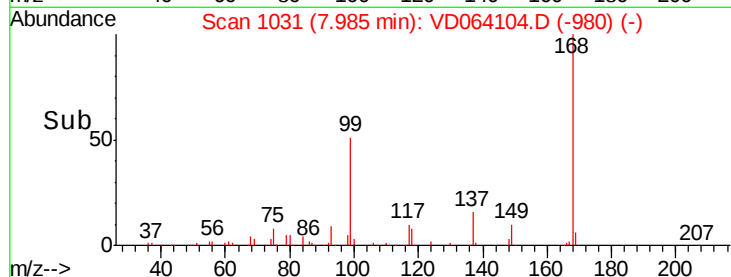
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.760 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD064104.D

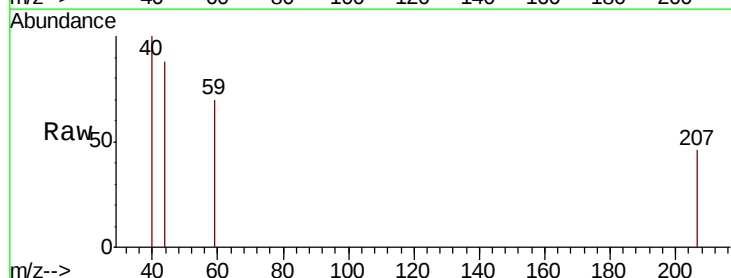
Acq: 29 Oct 2019 22:28

Tgt Ion: 59 Resp: 169

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

5.22

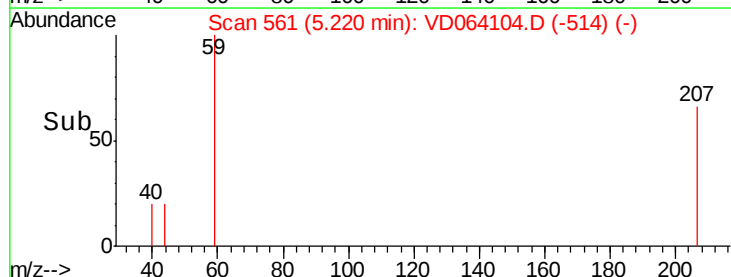
300

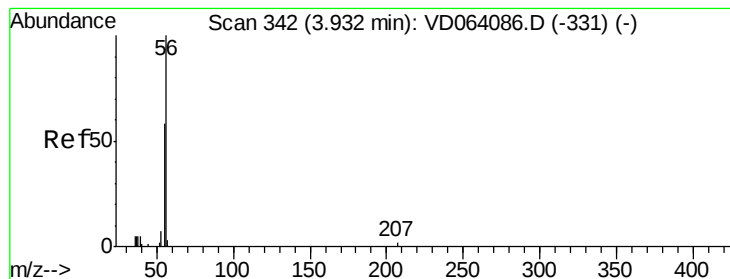
200

100

0

Time-->





#13

Acrolein

Concen: 1.246 ug/l

RT: 3.65 min Scan# 294

Delta R.T. -0.28 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

Instrument :

MSVOA_D

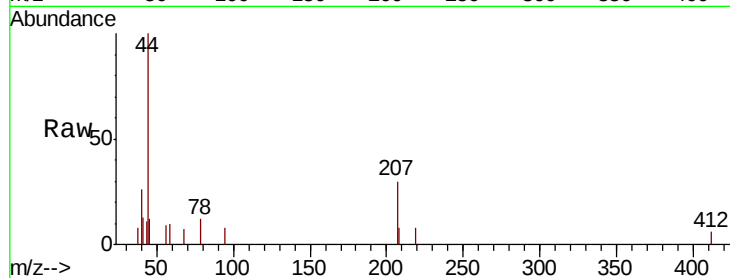
ClientSampleId :

Tot Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 0.0 53.8 80.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.65

250

200

150

100

50

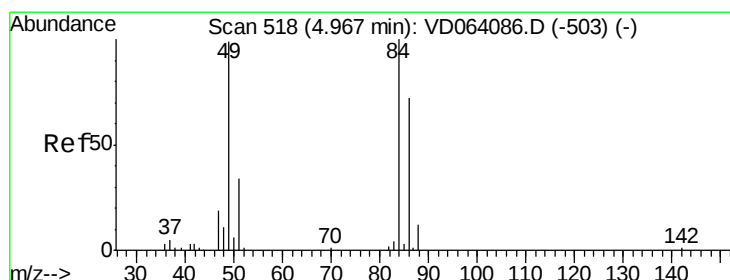
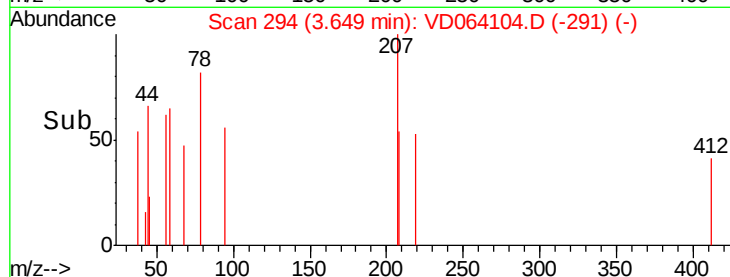
0

Time-->

3.64

3.66

3.68



#20

Methylene Chloride

Concen: Below Cal

RT: 4.95 min Scan# 515

Delta R.T. -0.02 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

Tgt Ion: 84 Resp: 1236

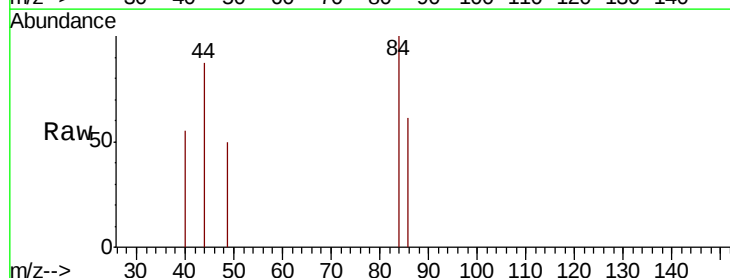
Ion Ratio Lower Upper

84 100

49 50.4 79.4 119.0#

51 0.0 27.4 41.2#

86 60.7 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

1000

800

600

400

200

0

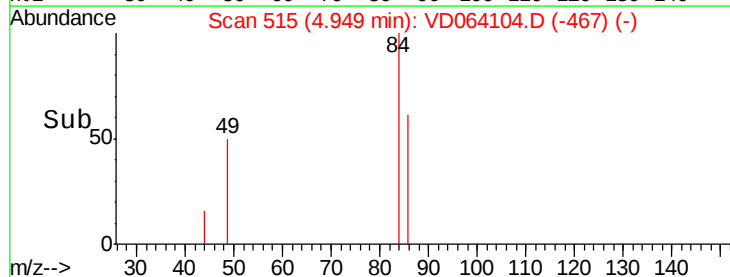
Time-->

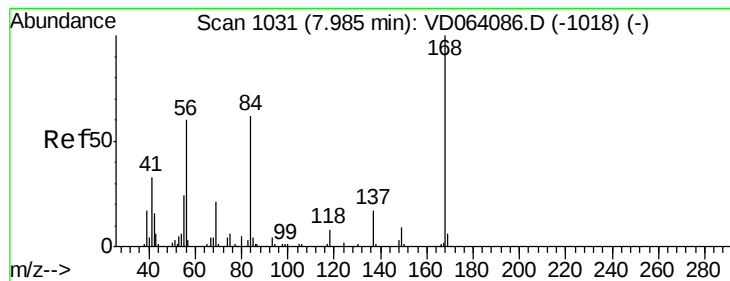
4.92

4.94

4.96

4.98





#31

Cvclohexane

Concen: 1.313 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

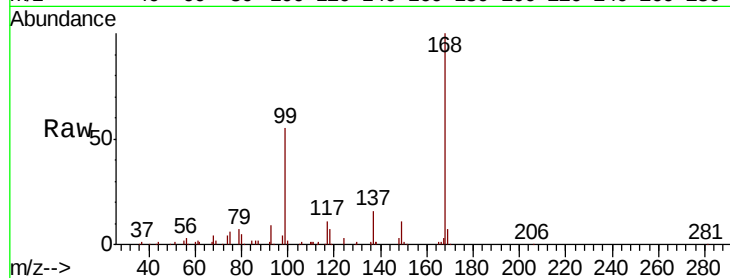
Tot Ion: 56 Resp: 4456

Ion Ratio Lower Upper

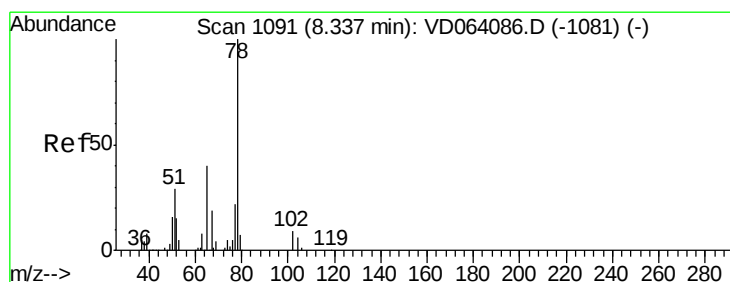
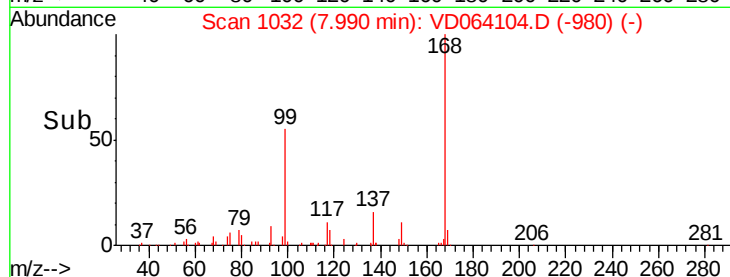
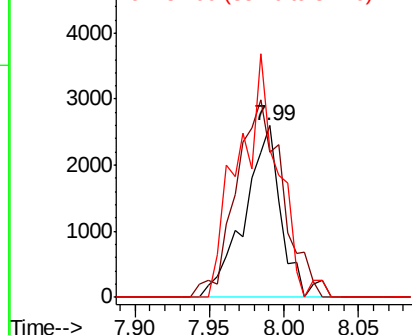
56 100

69 84.5 27.7 41.5#

84 86.4 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



#33

1,2-Dichloroethane-d4

Concen: 56.433 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064104.D

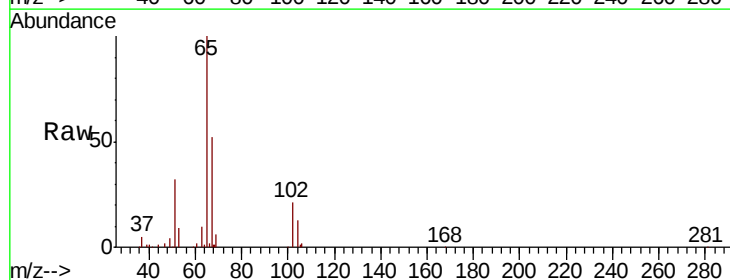
Acq: 29 Oct 2019 22:28

Tgt Ion: 65 Resp: 102958

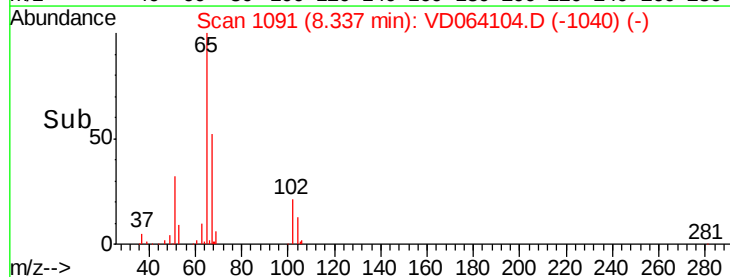
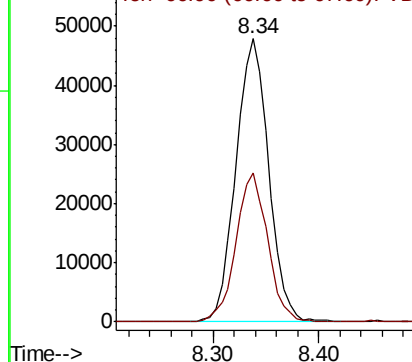
Ion Ratio Lower Upper

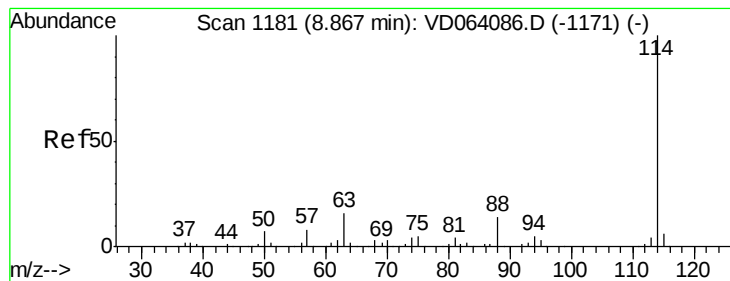
65 100

67 50.8 0.0 104.6



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# 1182

Delta R.T. 0.01 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

Instrument :

MSVOA_D

ClientSampled :

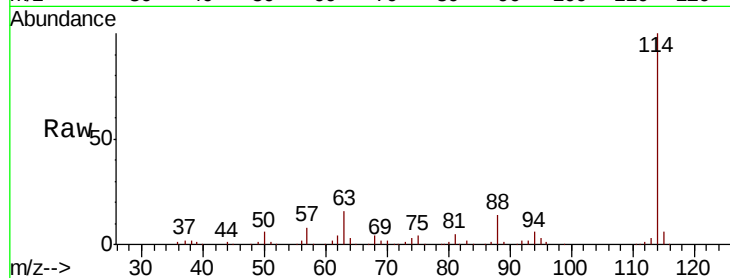
Tot Ion:114 Resp: 388761

Ion Ratio Lower Upper

114 100

63 16.0 0.0 32.8

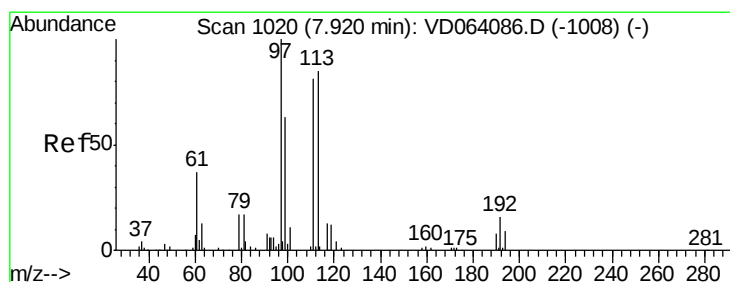
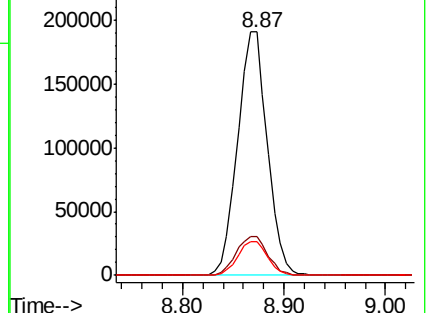
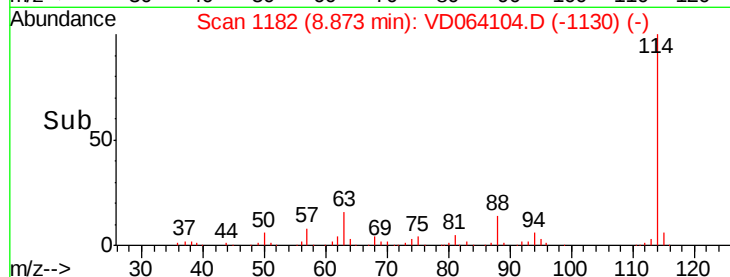
88 14.0 0.0 27.6



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: 49.606 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

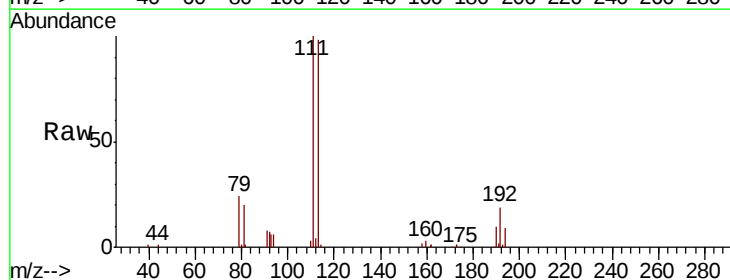
Tgt Ion:113 Resp: 118645

Ion Ratio Lower Upper

113 100

111 106.2 79.3 118.9

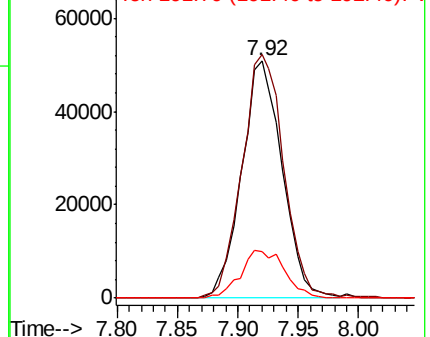
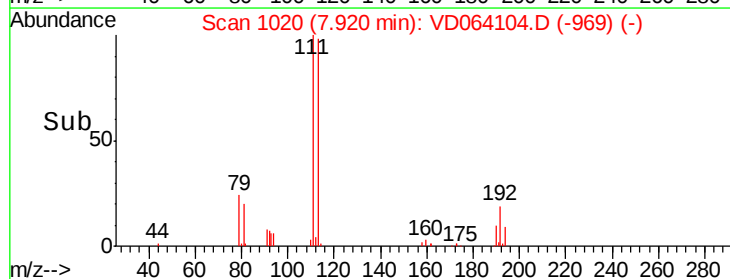
192 21.7 16.2 24.2

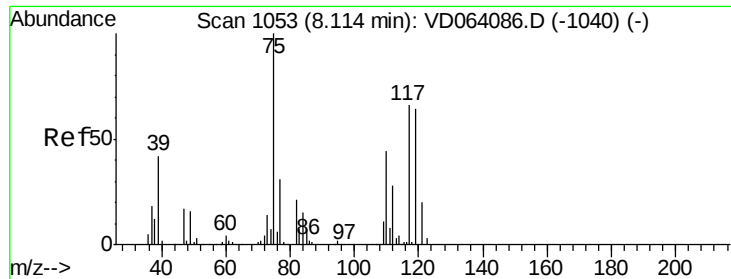


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

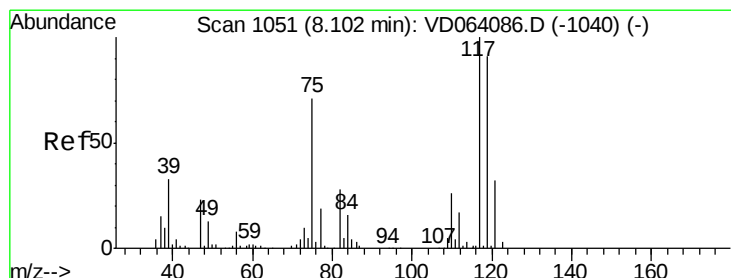
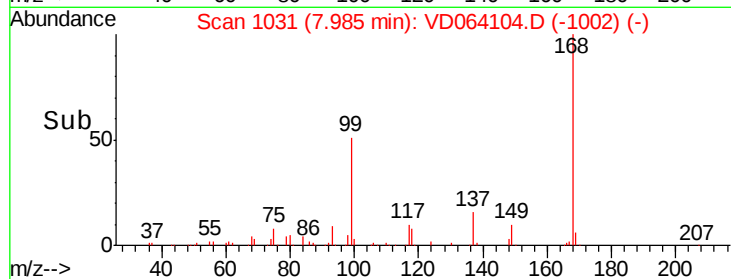
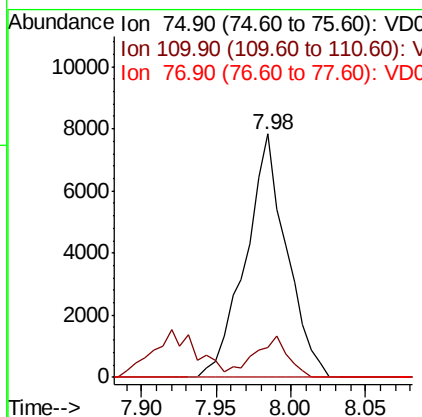
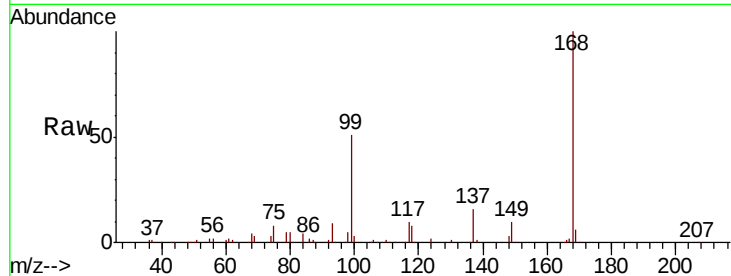




#36
 1,1-Dichloropropene
 Concen: 4.092 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064104.D
 Acq: 29 Oct 2019 22:28

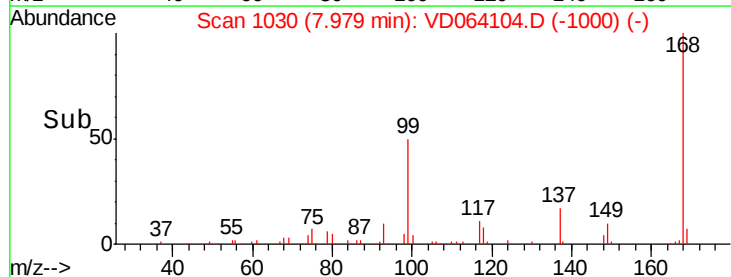
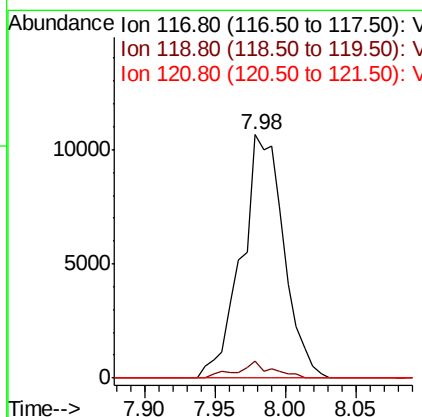
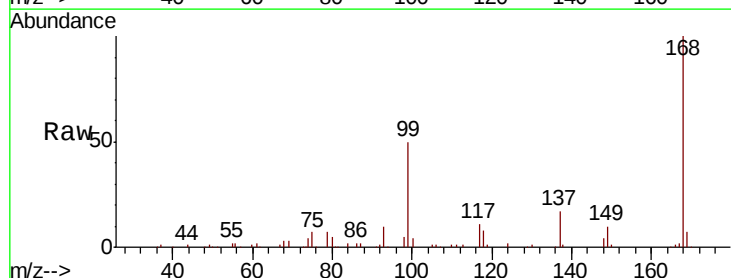
Instrument :
 MSVOA_D
 ClientSampled :

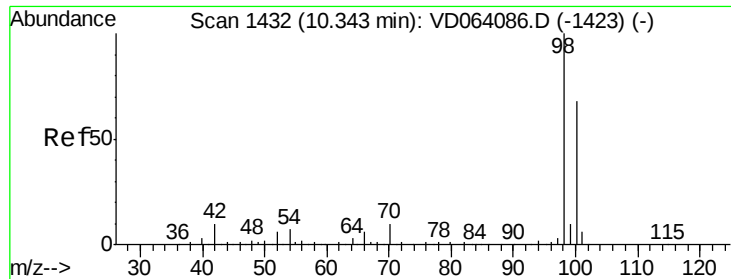
Tot Ion: 75 Resp: 14905
 Ion Ratio Lower Upper
 75 100
 110 13.9 20.0 59.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.624 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064104.D
 Acq: 29 Oct 2019 22:28

Tgt Ion: 117 Resp: 22354
 Ion Ratio Lower Upper
 117 100
 119 6.8 72.6 108.8#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.094 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

Instrument :

MSVOA_D

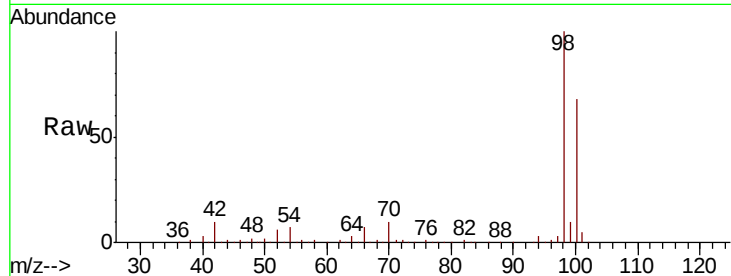
ClientSampleId :

Tot Ion: 98 Resp: 479152

Ion Ratio Lower Upper

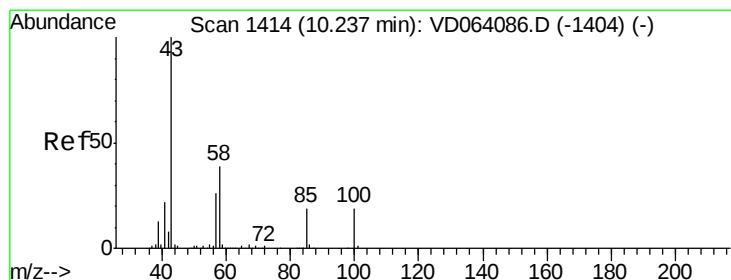
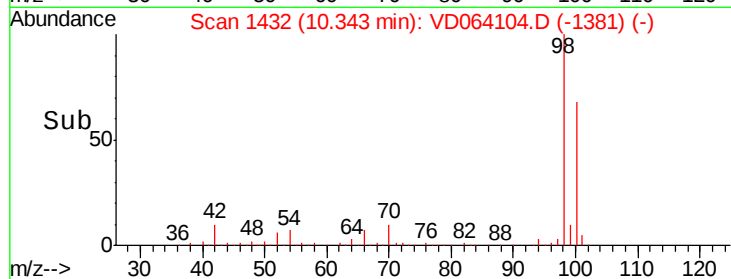
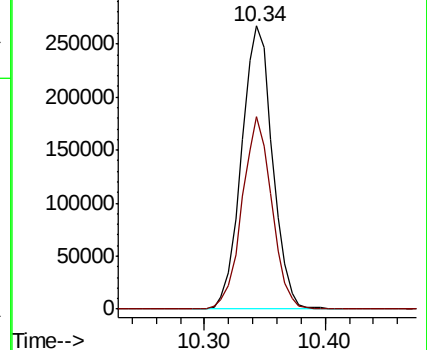
98 100

100 65.0 53.4 80.0



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: 1.997 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.10 min

Lab File: VD064104.D

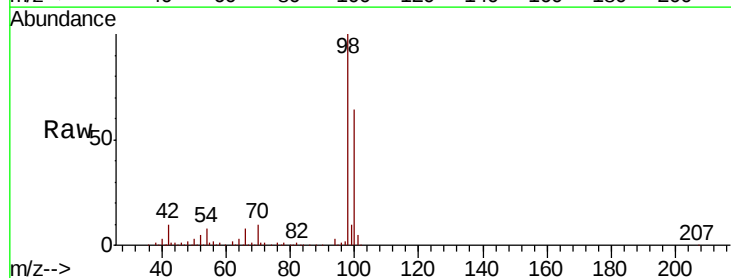
Acq: 29 Oct 2019 22:28

Tgt Ion: 43 Resp: 2464

Ion Ratio Lower Upper

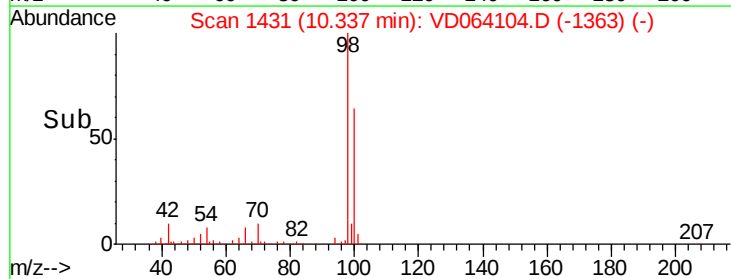
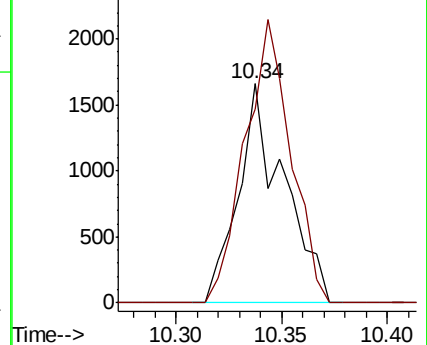
43 100

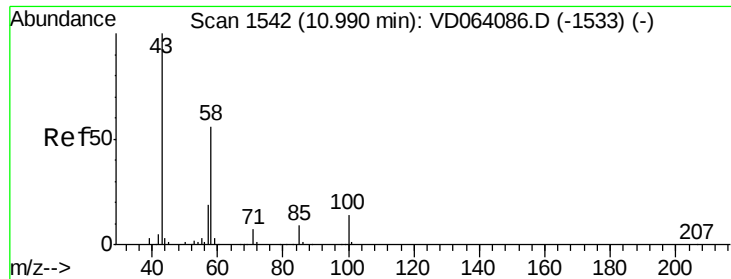
58 131.2 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

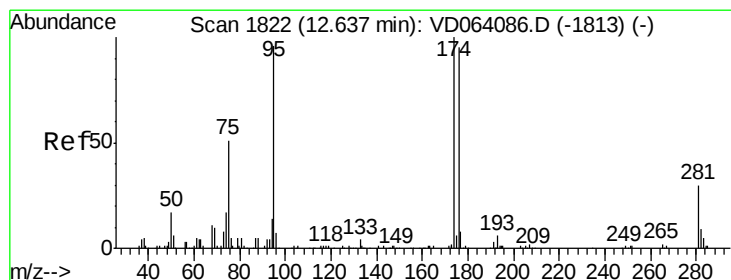
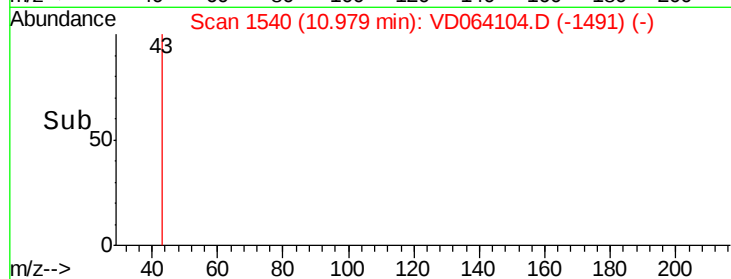
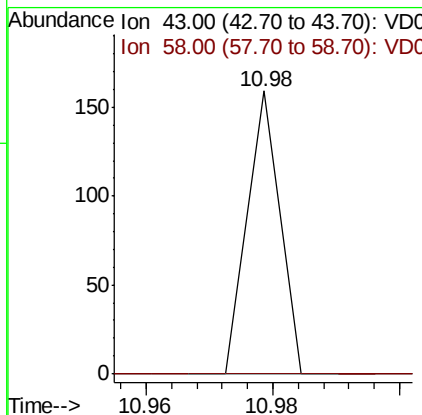
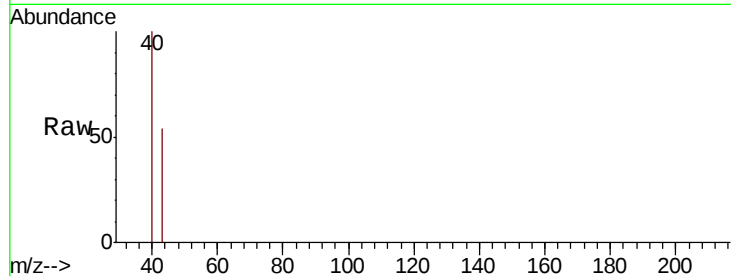




#59
2-Hexanone
Concen: 9.070 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD064104.D
Acq: 29 Oct 2019 22:28

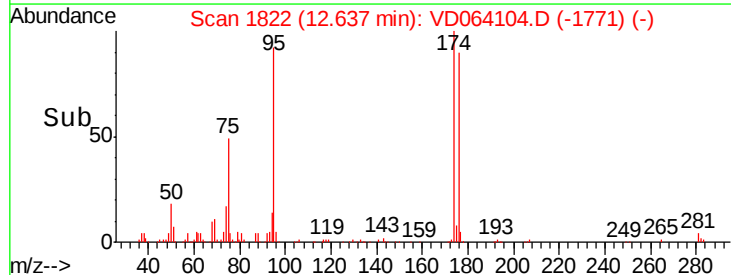
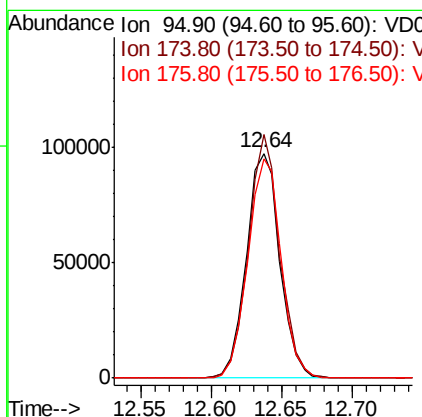
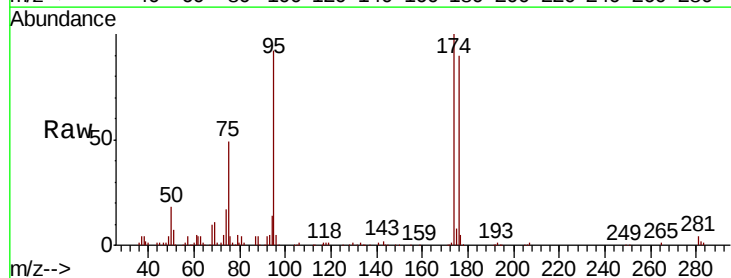
Instrument :
MSVOA_D
ClientSampleId :

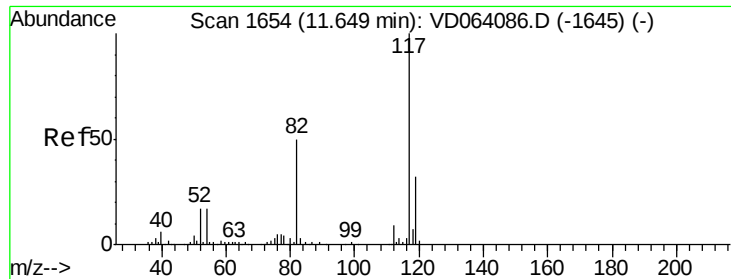
Tot Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 51.073 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064104.D
Acq: 29 Oct 2019 22:28

Tgt Ion: 95 Resp: 161959
Ion Ratio Lower Upper
95 100
174 101.7 0.0 201.6
176 97.3 0.0 192.6

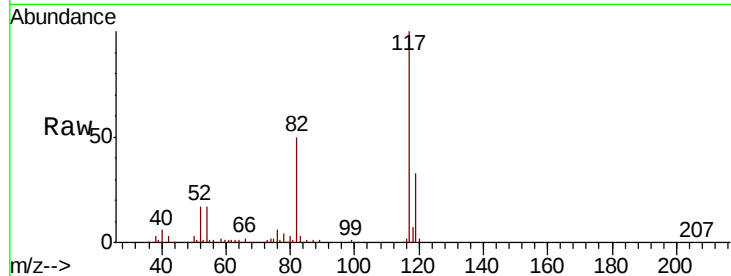




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064104.D
Acq: 29 Oct 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	40.2	60.4
119	33.3	26.0	39.0

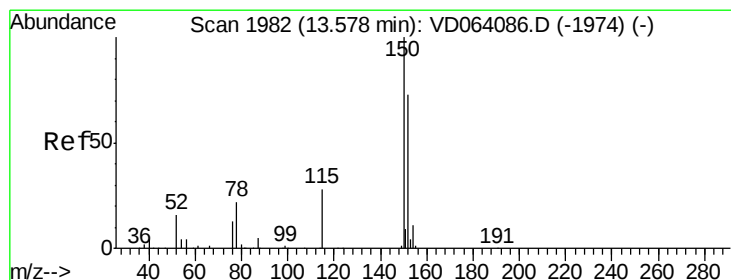
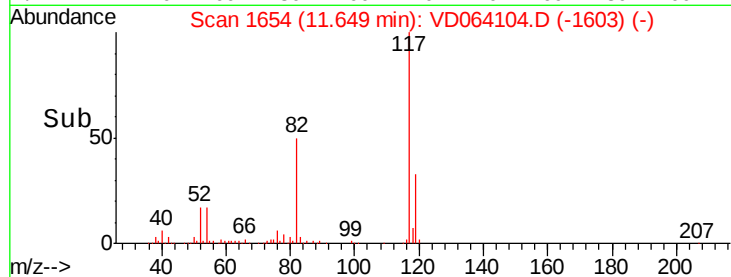
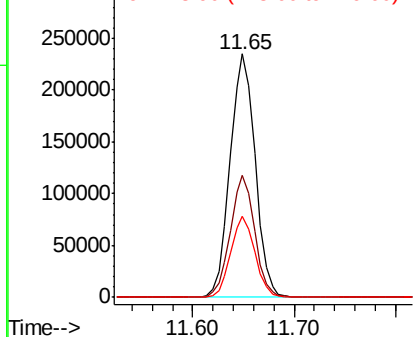


Abundance

Ion 116.90 (116.60 to 117.60): V

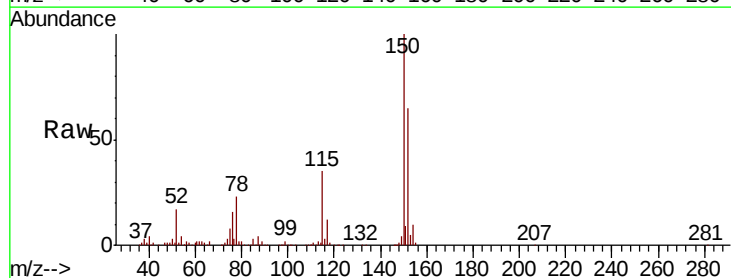
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064104.D
Acq: 29 Oct 2019 22:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	26.2	78.6
150	155.1	0.0	338.8

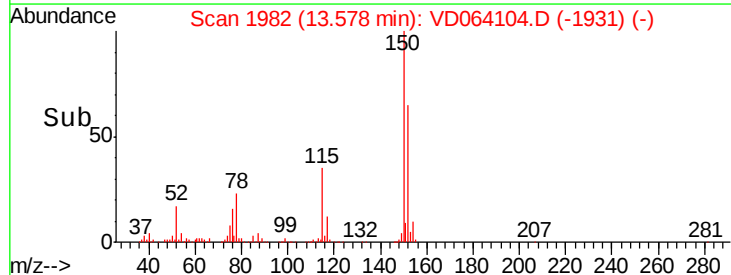
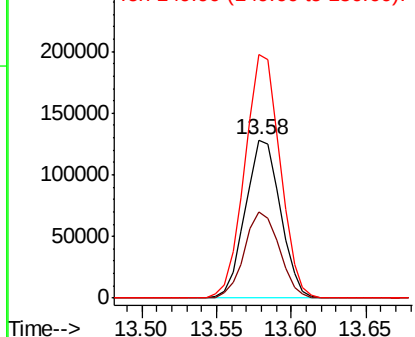


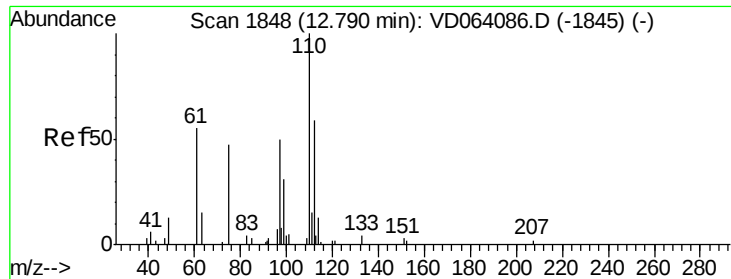
Abundance

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: 60.925 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

Instrument :

MSVOA_D

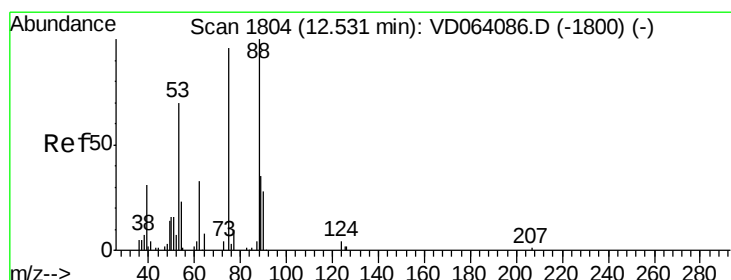
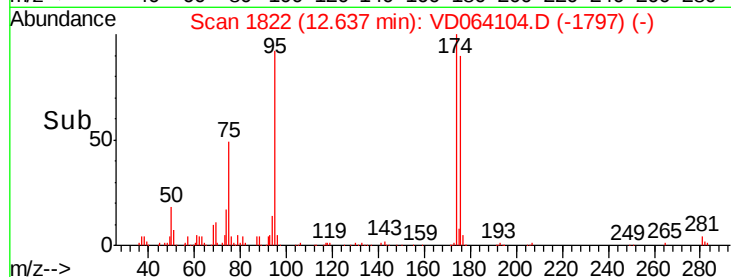
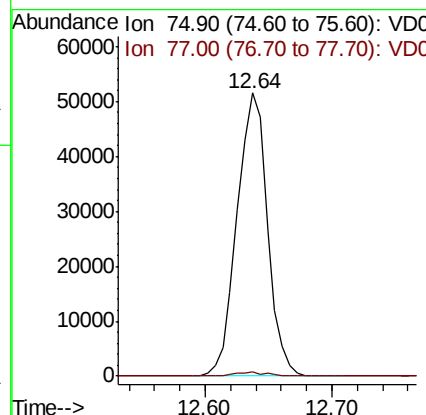
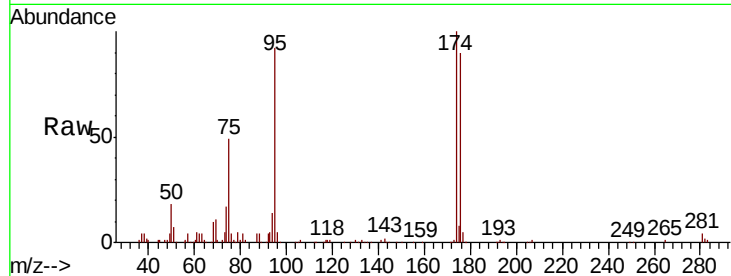
ClientSampleId :

Tot Ion: 75 Resp: 85457

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.425 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064104.D

Acq: 29 Oct 2019 22:28

Tgt Ion: 75 Resp: 85457

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.1 36.9 55.3#

