

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102919\
 Data File : VD064105.D
 Acq On : 29 Oct 2019 22:57
 Operator : VA/SY
 Sample : K5599-11
 Misc : 5.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 30 08:10:56 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

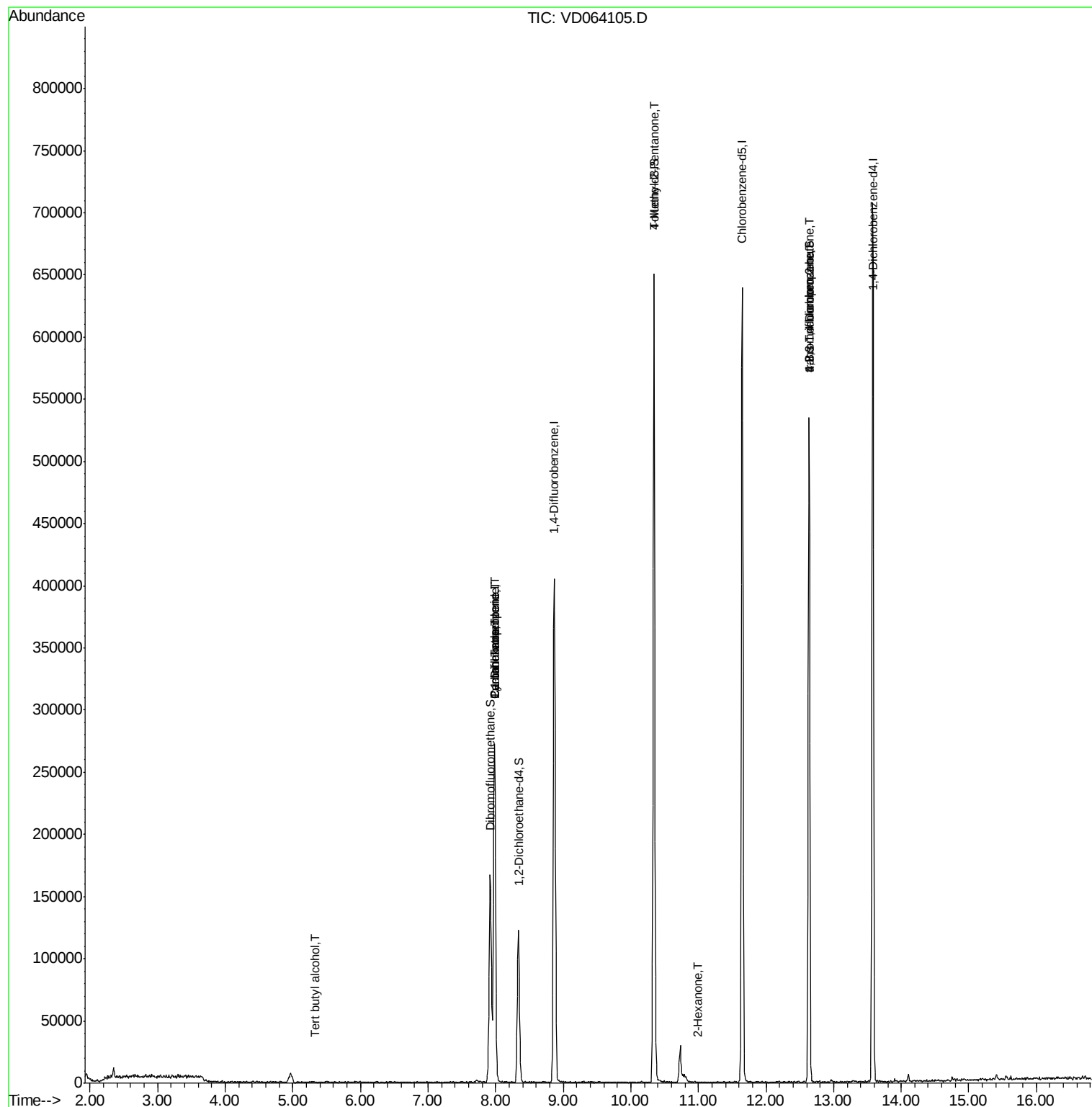
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	212793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	370328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	382096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	197766	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	99316	58.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.36%	
35) Dibromofluoromethane	7.92	113	112834	49.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.04%	
50) Toluene-d8	10.34	98	454827	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.64	95	153523	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.64%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.34	59	99	7.182	ug/l #	71
20) Methylene Chloride	4.98	84	6116	Below Cal	#	69
31) Cyclohexane	7.98	56	4098	1.302	ug/l #	49
36) 1,1-Dichloropropene	7.98	75	15012	4.326	ug/l #	45
38) Carbon Tetrachloride	7.98	117	19693	5.201	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1439	1.225	ug/l #	1
59) 2-Hexanone	10.98	43	58	9.075	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	81311	61.188	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	81311	124.961	ug/l #	15

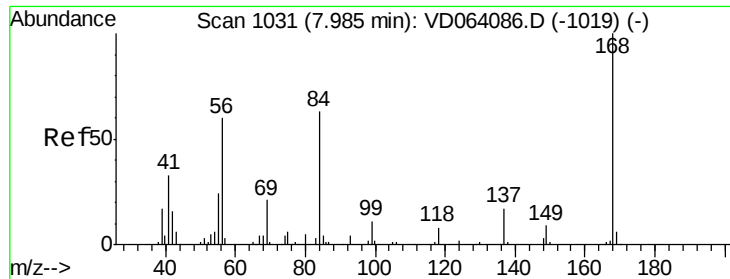
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102919\
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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# 1031

Delta R.T. 0.00 min

Lab File: VD064105.D

Acq: 29 Oct 2019 22:57

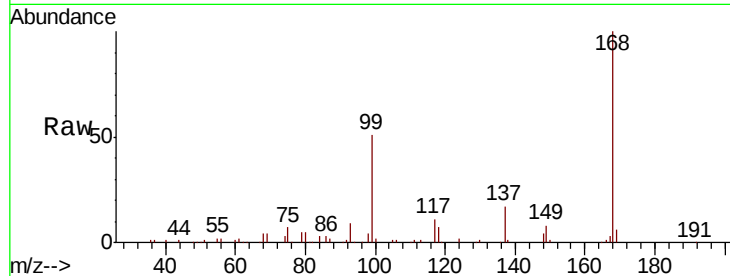
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 212793

Ion Ratio Lower Upper

168 100

99 50.8 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

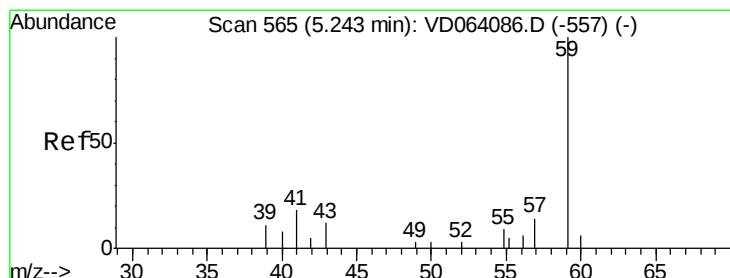
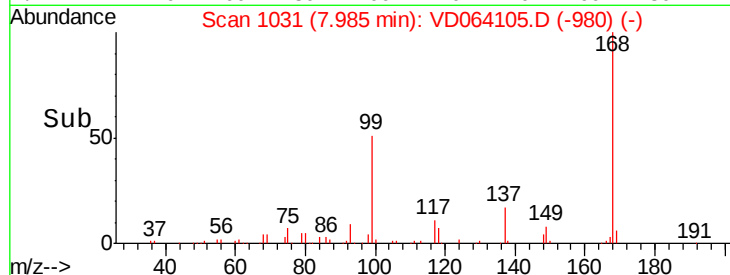
40000

20000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 7.182 ug/l

RT: 5.34 min Scan# 581

Delta R.T. 0.10 min

Lab File: VD064105.D

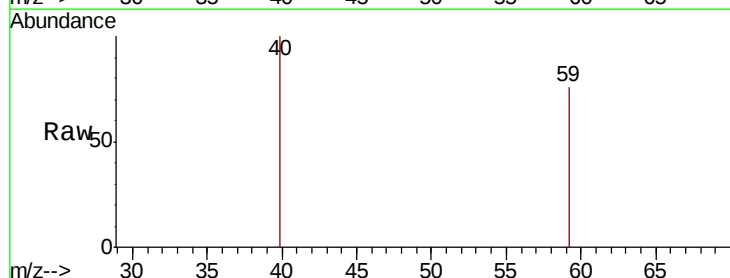
Acq: 29 Oct 2019 22:57

Tgt Ion: 59 Resp: 99

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

5.34

300

250

200

150

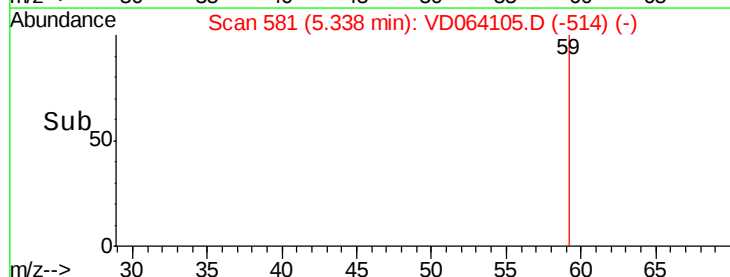
100

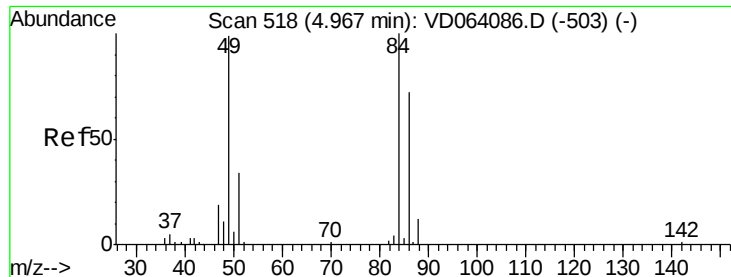
50

0

Time-->

5.32 5.33 5.34 5.35

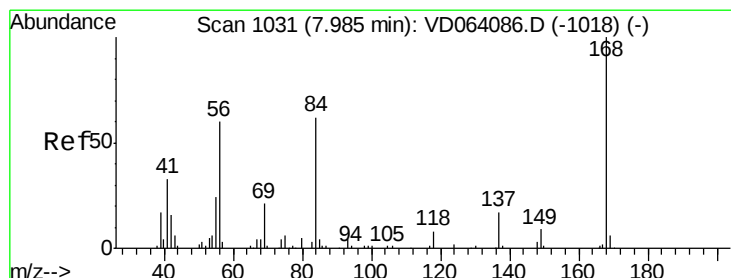
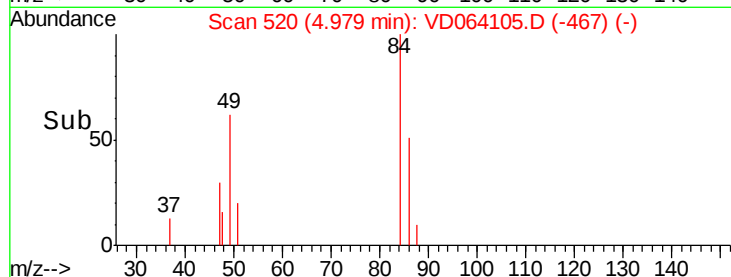
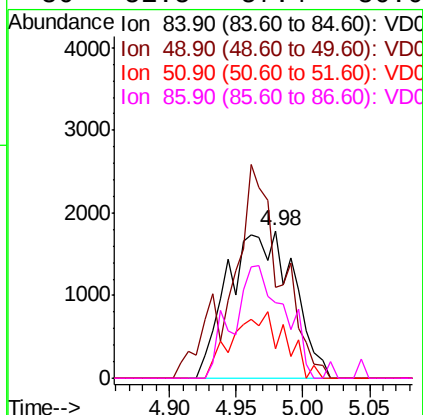
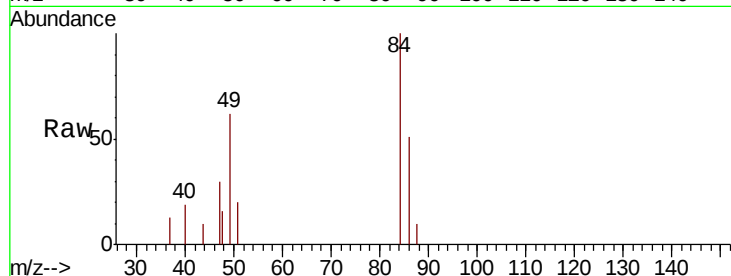




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD064105.D
Acq: 29 Oct 2019 22:57

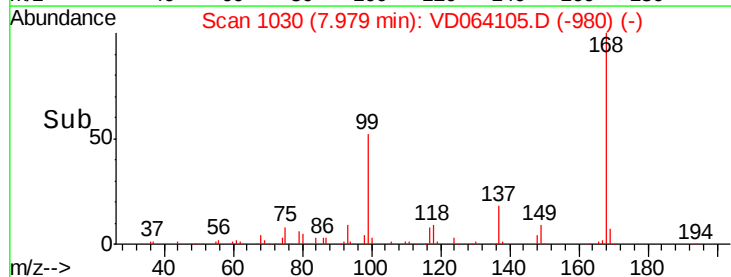
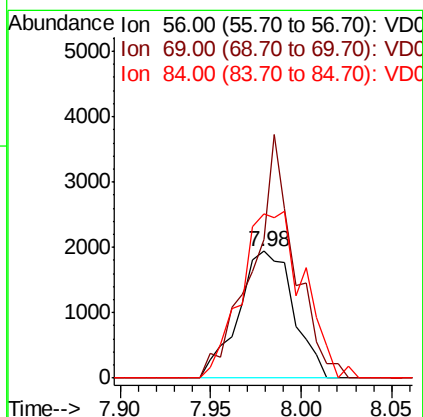
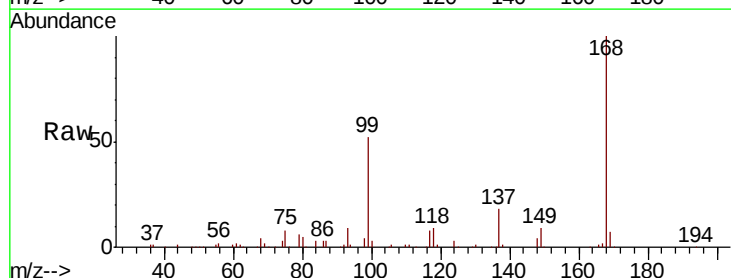
Instrument :
MSVOA_D
ClientSampleId :

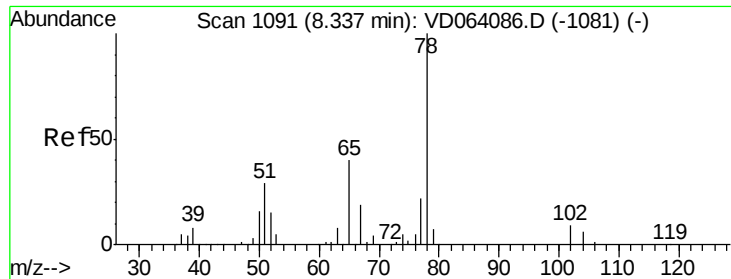
Tot Ion: 84 Resp: 6116
Ion Ratio Lower Upper
84 100
49 61.5 79.4 119.0#
51 20.0 27.4 41.2#
86 51.5 57.4 86.0#



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064105.D
Acq: 29 Oct 2019 22:57

Tgt Ion: 56 Resp: 4098
Ion Ratio Lower Upper
56 100
69 109.9 27.7 41.5#
84 129.2 83.1 124.7#

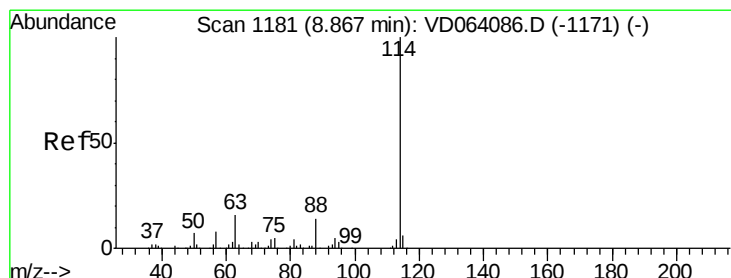
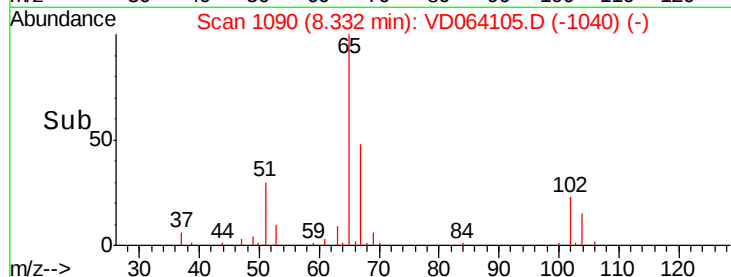
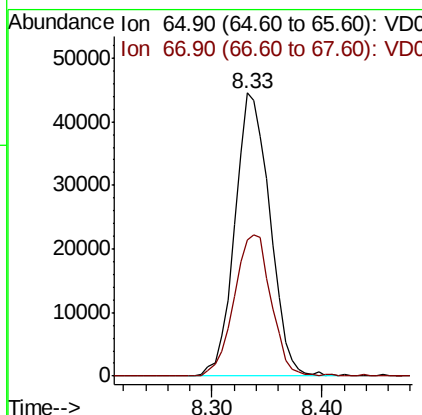
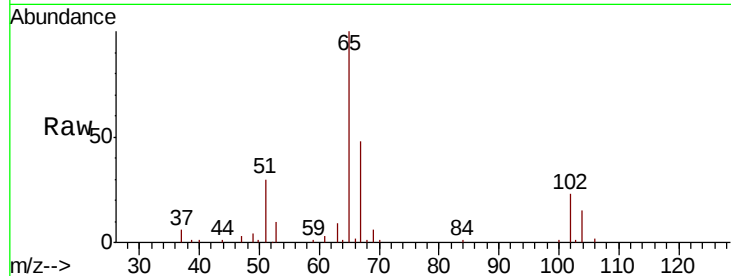




#33
 1,2-Dichloroethane-d4
 Concen: 58.685 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064105.D
 Acq: 29 Oct 2019 22:57

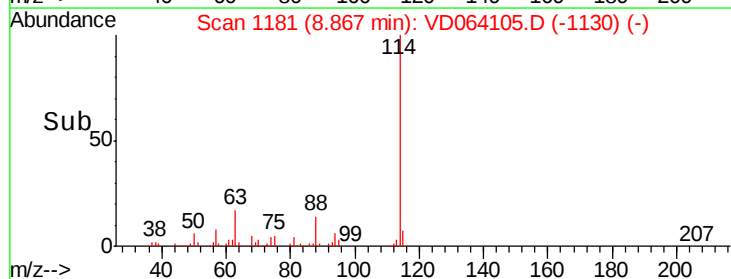
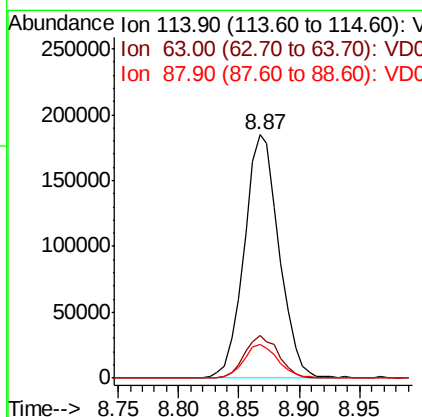
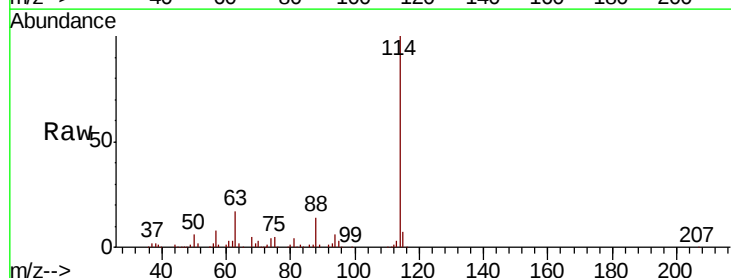
Instrument :
 MSVOA_D
 ClientSampleId :

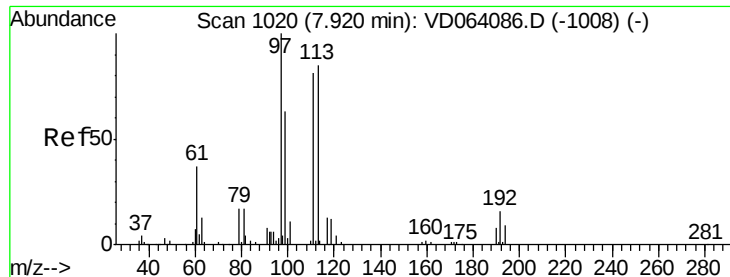
Tot Ion: 65 Resp: 99316
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064105.D
 Acq: 29 Oct 2019 22:57

Tgt Ion:114 Resp: 370328
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 32.8
 88 13.8 0.0 27.6

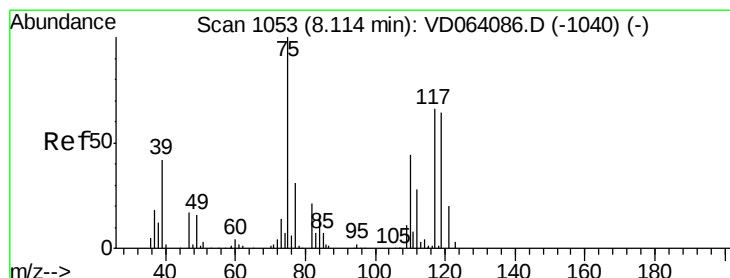
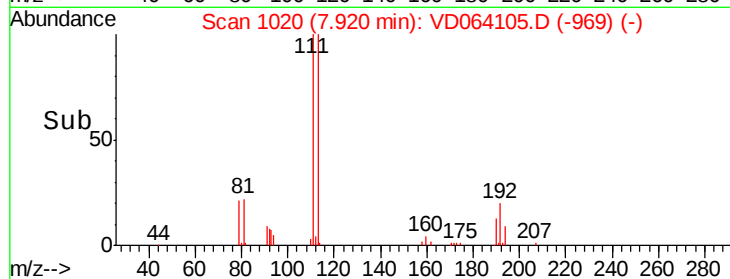
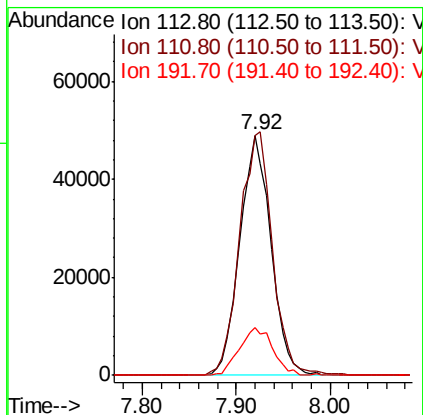
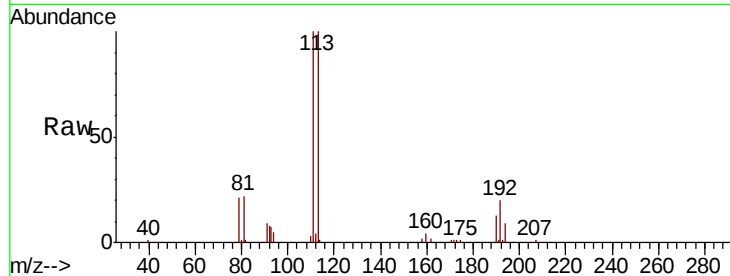




#35
 Dibromofluoromethane
 Concen: 49.524 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064105.D
 Acq: 29 Oct 2019 22:57

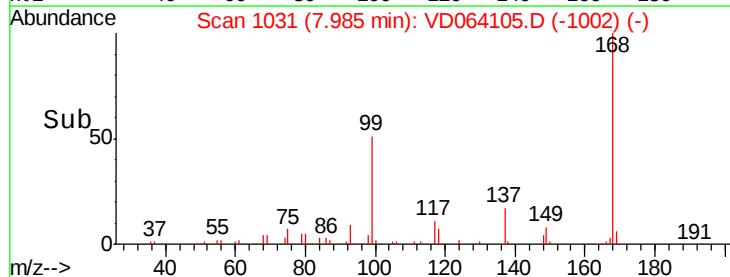
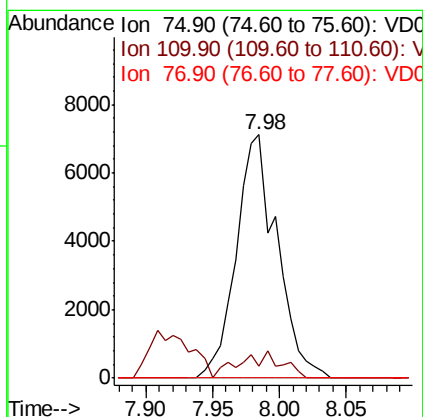
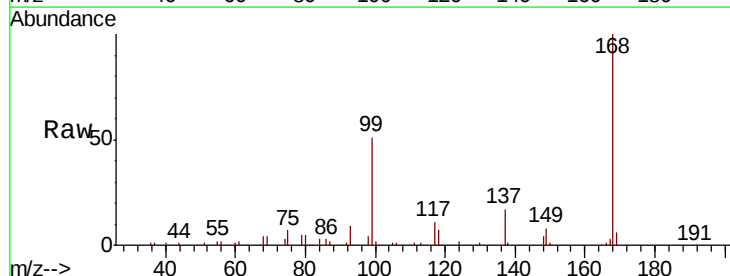
Instrument :
 MSVOA_D
 ClientSampleId :

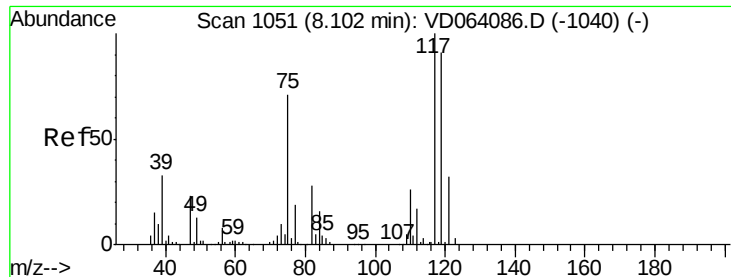
Tot Ion:113 Resp: 112834
 Ion Ratio Lower Upper
 113 100
 111 106.2 79.3 118.9
 192 21.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064105.D
 Acq: 29 Oct 2019 22:57

Tgt Ion: 75 Resp: 15012
 Ion Ratio Lower Upper
 75 100
 110 6.1 20.0 59.9#
 77 0.0 24.7 37.1#

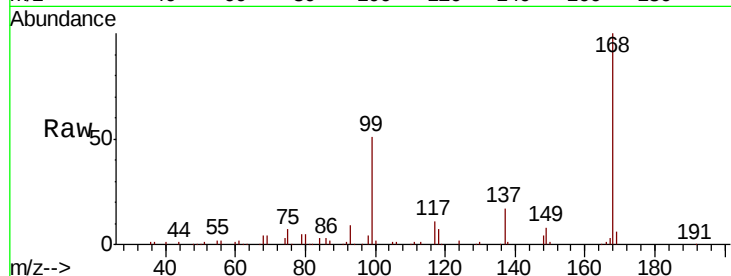




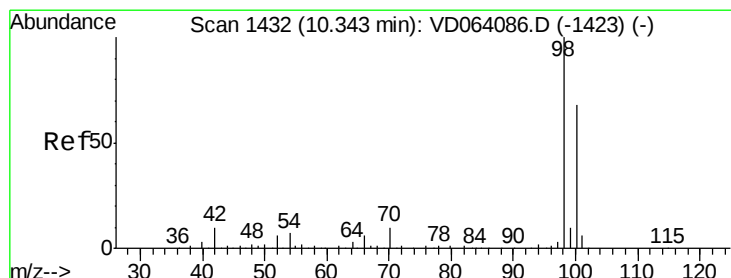
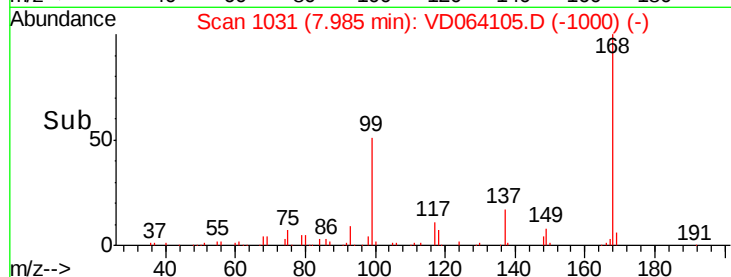
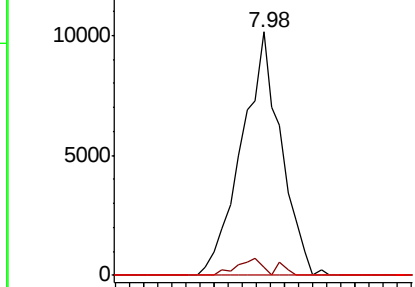
#38
Carbon Tetrachloride
Concen: 5.201 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD064105.D
Acq: 29 Oct 2019 22:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 19693
Ion Ratio Lower Upper
117 100
119 3.4 72.6 108.8#
121 0.0 25.8 38.6#

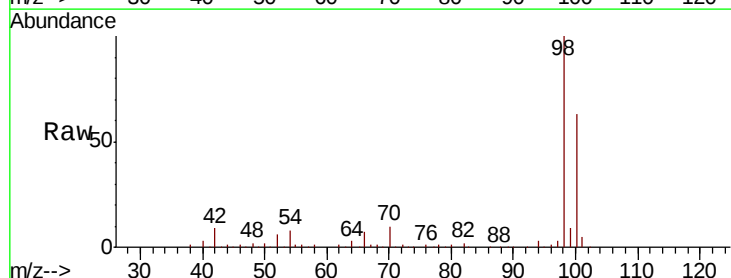


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

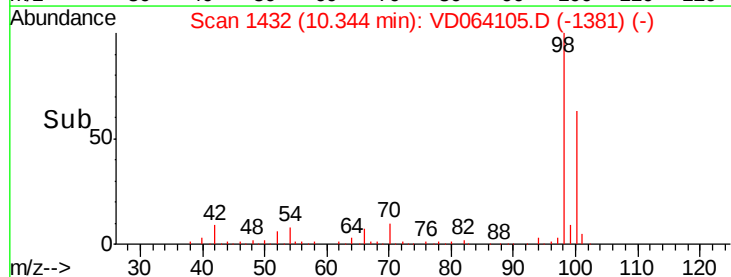
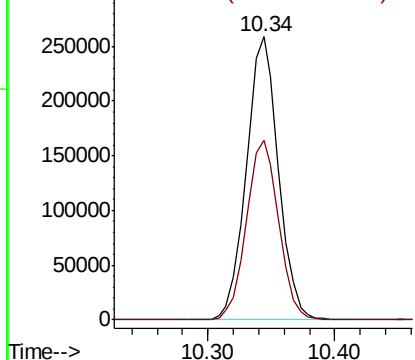


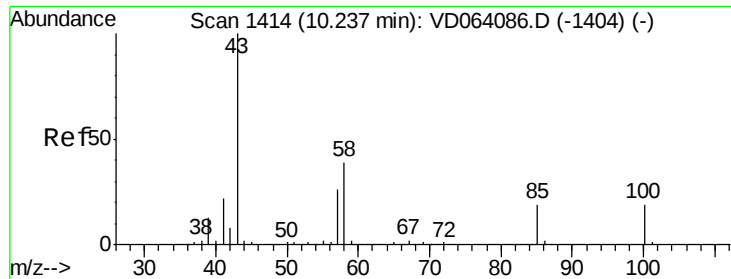
#50
Toluene-d8
Concen: 49.918 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064105.D
Acq: 29 Oct 2019 22:57

Tgt Ion: 98 Resp: 454827
Ion Ratio Lower Upper
98 100
100 64.2 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#51

4-Methyl-2-Pentanone

Concen: 1.225 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD064105.D

Acq: 29 Oct 2019 22:57

Instrument :

MSVOA_D

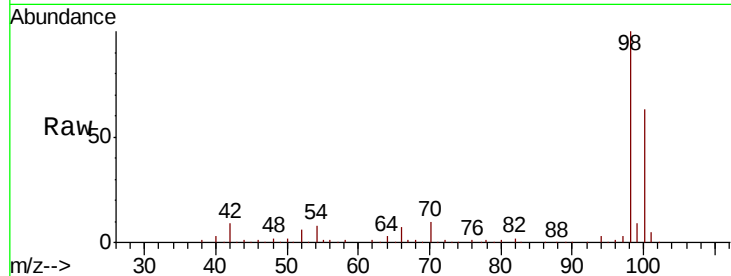
ClientSampleId :

Tot Ion: 43 Resp: 1439

Ion Ratio Lower Upper

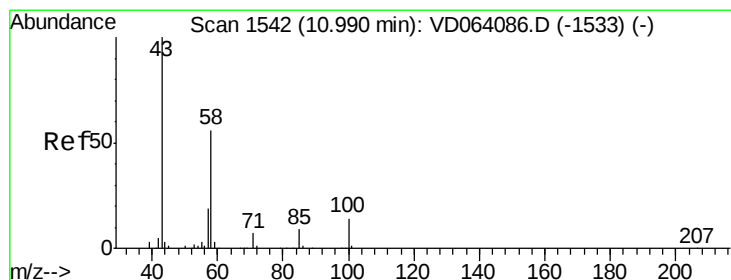
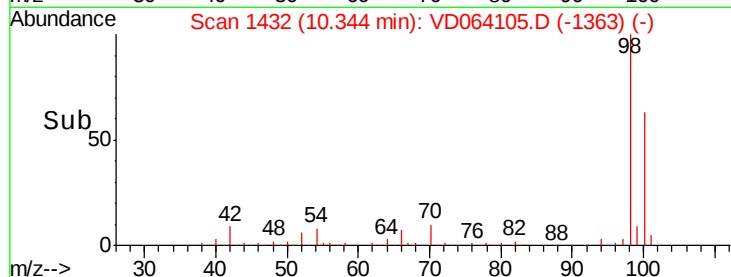
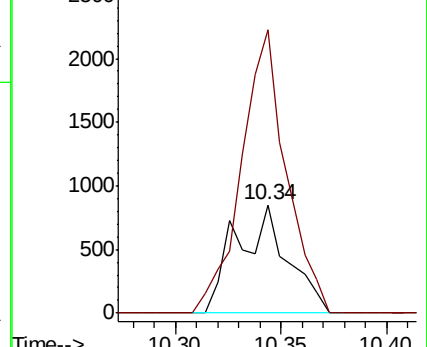
43 100

58 228.1 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: 9.075 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD064105.D

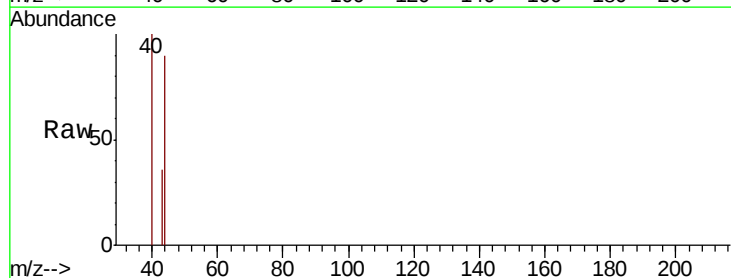
Acq: 29 Oct 2019 22:57

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

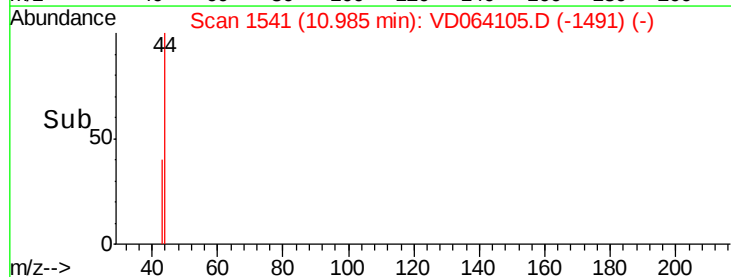
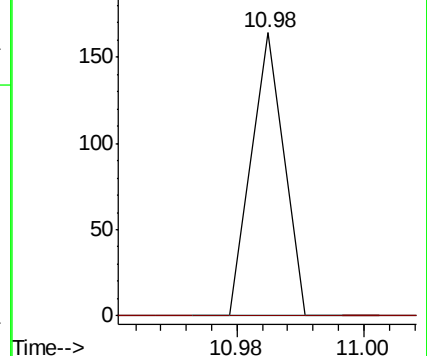
43 100

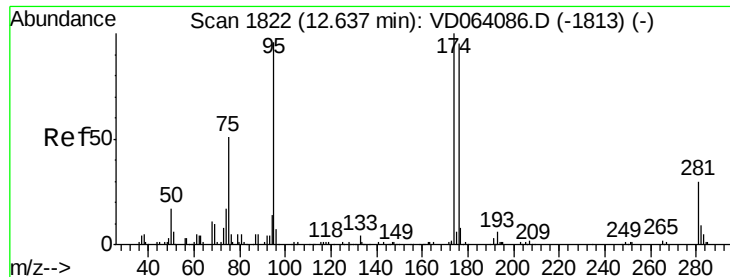
58 0.0 29.2 87.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

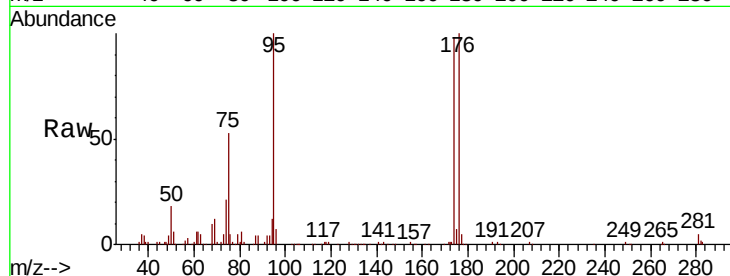




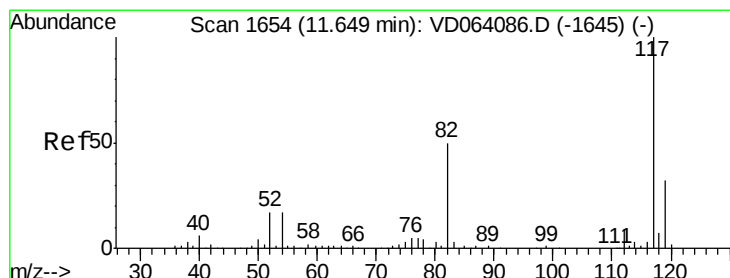
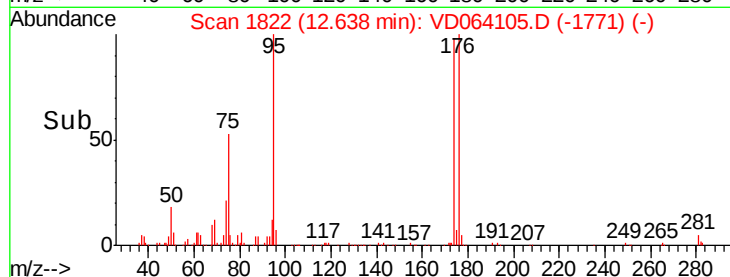
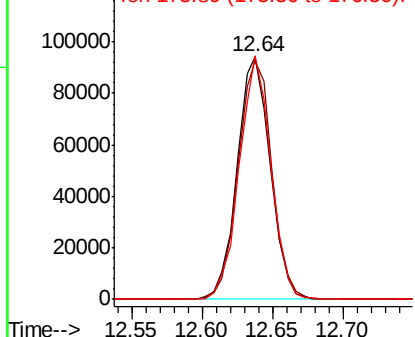
#62
4-Bromofluorobenzene
Concen: 50.823 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064105.D
Acq: 29 Oct 2019 22:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 153523
Ion Ratio Lower Upper
95 100
174 101.1 0.0 201.6
176 96.2 0.0 192.6

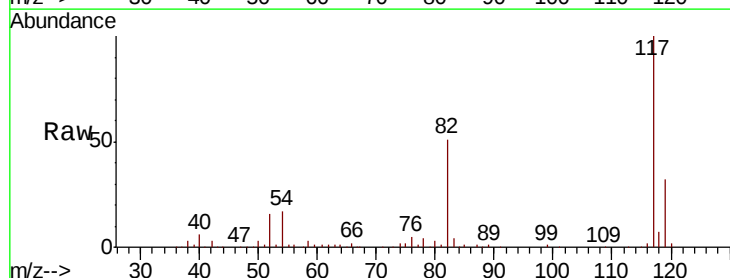


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

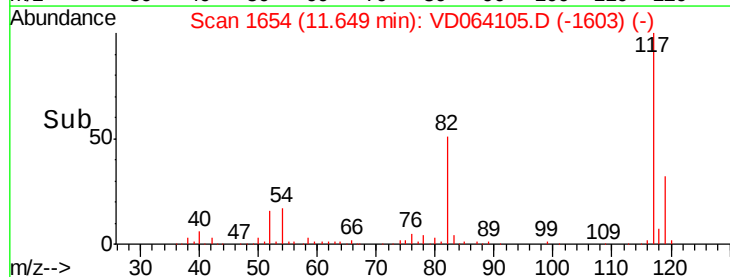
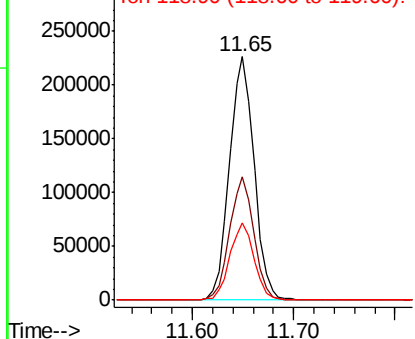


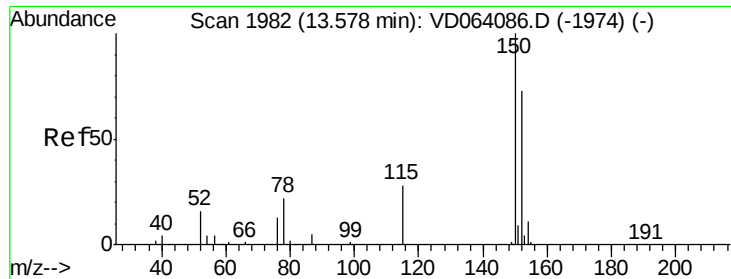
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064105.D
Acq: 29 Oct 2019 22:57

Tgt Ion: 117 Resp: 382096
Ion Ratio Lower Upper
117 100
82 50.8 40.2 60.4
119 32.0 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: VD064105.D

Acq: 29 Oct 2019 22:57

Instrument :

MSVOA_D

ClientSampleId :

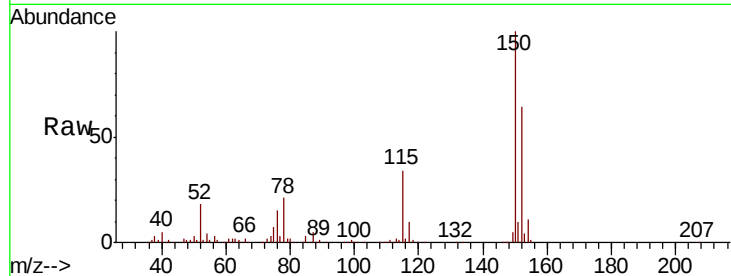
Tot Ion:152 Resp: 197766

Ion Ratio Lower Upper

152 100

115 52.5 26.2 78.6

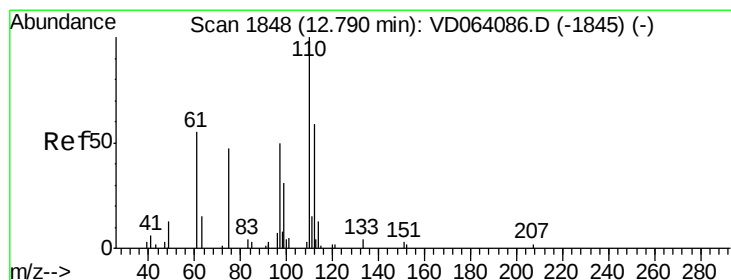
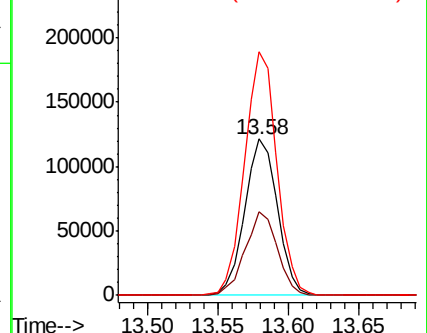
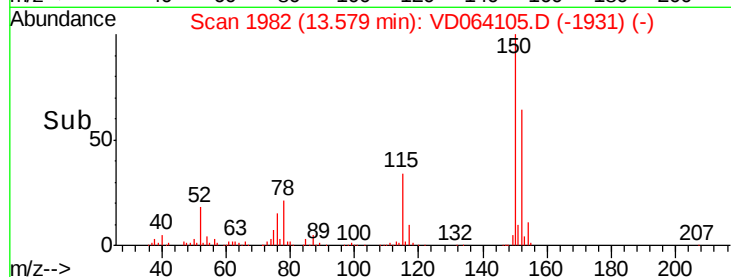
150 152.9 0.0 338.8



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: 61.188 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064105.D

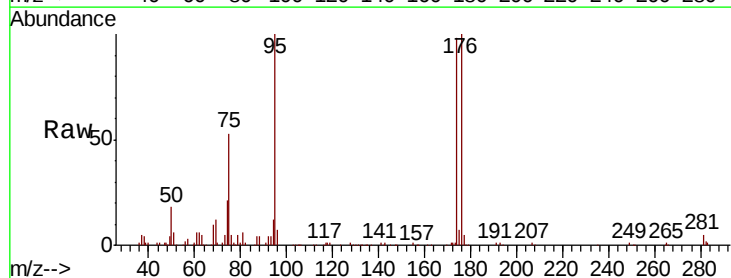
Acq: 29 Oct 2019 22:57

Tgt Ion: 75 Resp: 81311

Ion Ratio Lower Upper

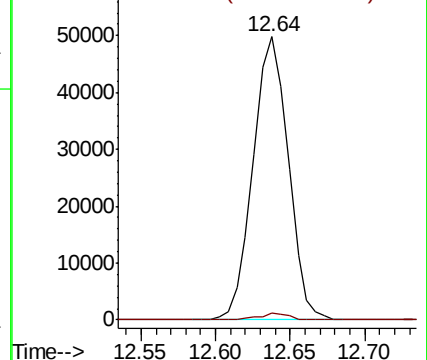
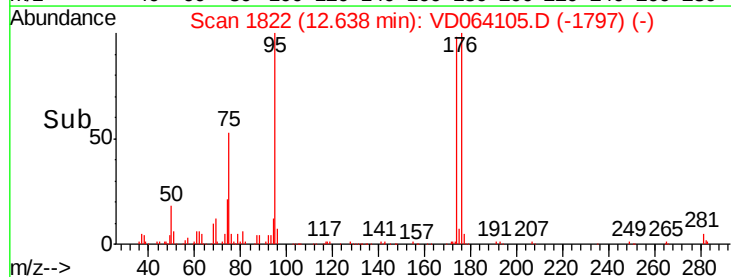
75 100

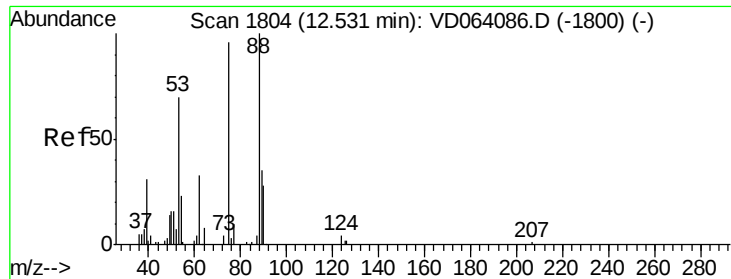
77 1.9 0.0 0.0#



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: 124.961 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064105.D

Acq: 29 Oct 2019 22:57

Instrument :

MSVOA_D

ClientSampleId :

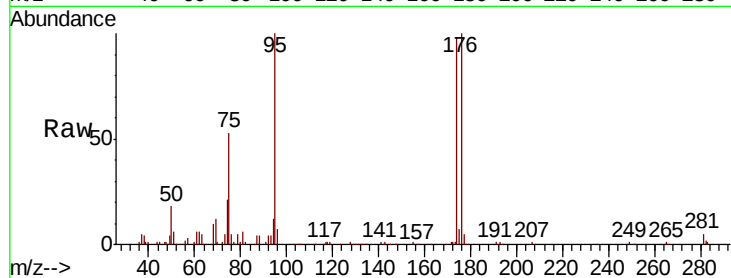
Tot Ion: 75 Resp: 81311

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 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

