

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064137.D
 Acq On : 31 Oct 2019 17:19
 Operator : VA/SY
 Sample : K5602-02RE
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:05:43 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	214253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	344753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	363720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	186839	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	89486	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
35) Dibromofluoromethane	7.92	113	104367	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
50) Toluene-d8	10.34	98	423359	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.64	95	145137	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	

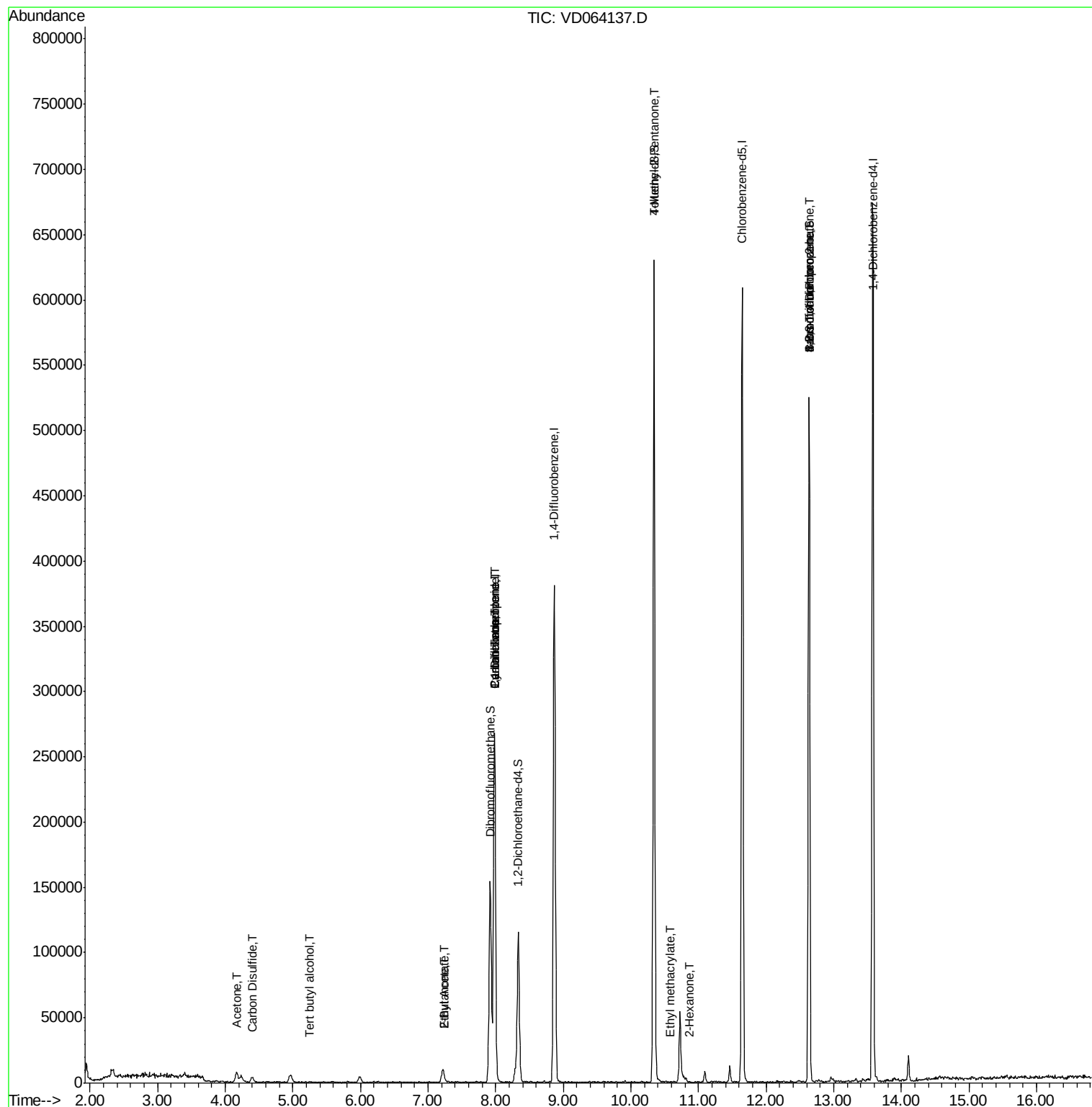
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	67	6.857	ug/l #	71
16) Acetone	4.17	43	14624	45.106	ug/l #	83
17) Carbon Disulfide	4.40	76	8075	1.414	ug/l	100
20) Methylene Chloride	4.97	84	4813	Below Cal	#	74
25) 2-Butanone	7.24	43	2544	5.676	ug/l #	78
31) Cyclohexane	7.98	56	4161	1.313	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	14102	4.365	ug/l #	45
37) Ethyl Acetate	7.24	43	2544	2.559	ug/l #	69
38) Carbon Tetrachloride	7.98	117	20338	5.770	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	1718	1.570	ug/l #	1
56) Ethyl methacrylate	10.59	69	61	3.046	ug/l #	29
59) 2-Hexanone	10.87	43	98	9.124	ug/l	76
71) Bromoform	12.64	173	1905	1.268	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	77369	61.626	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	77369	125.857	ug/l #	15

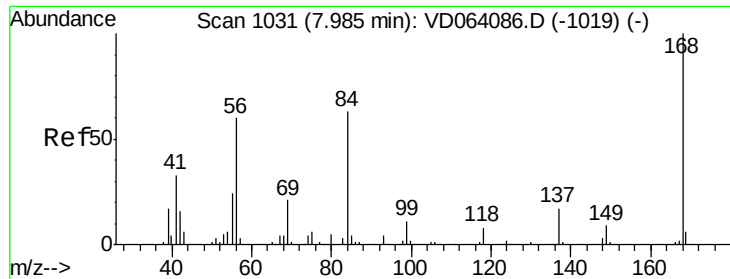
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064137.D

Acq: 31 Oct 2019 17:19

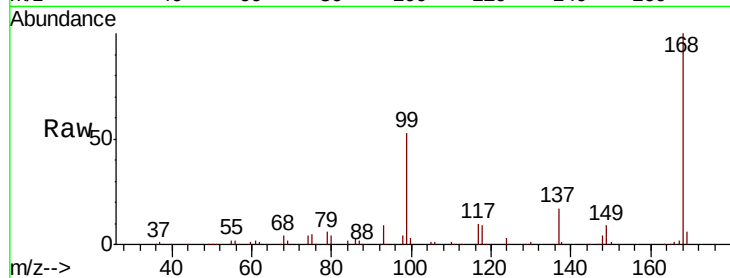
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 214253

Ion Ratio Lower Upper

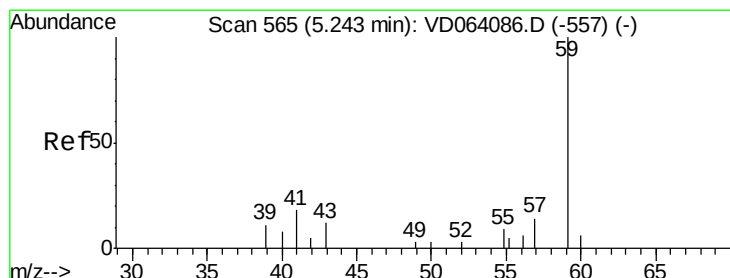
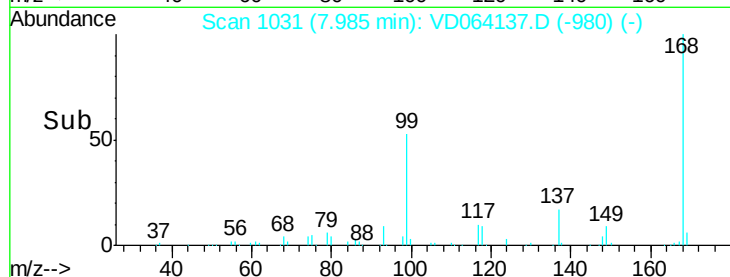
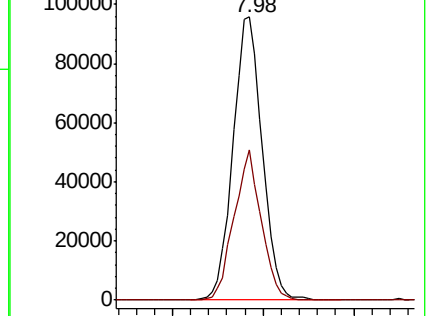
168 100

99 53.1 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: 6.857 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD064137.D

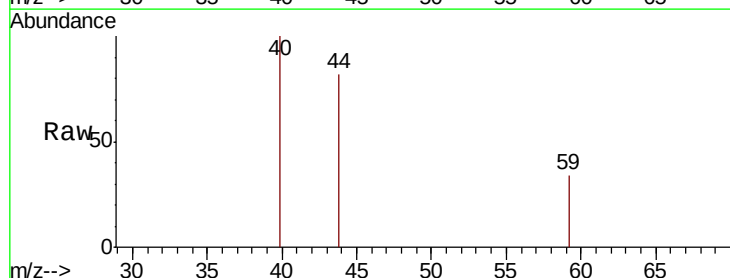
Acq: 31 Oct 2019 17:19

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

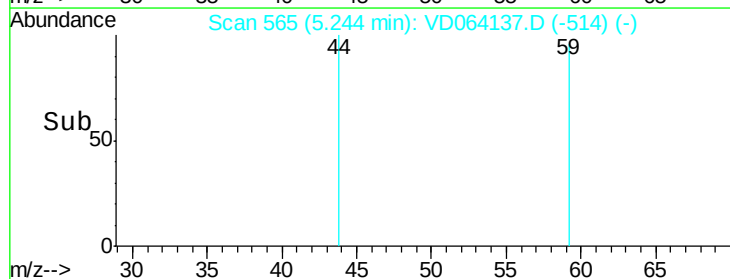
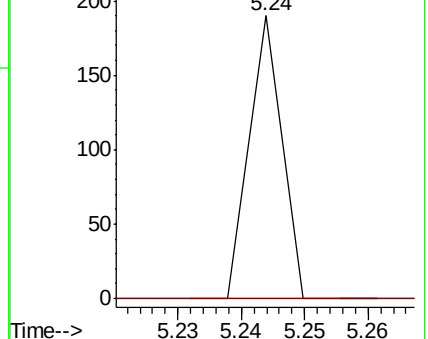
59 100

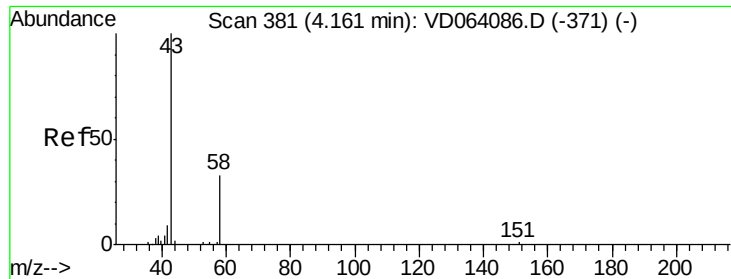
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

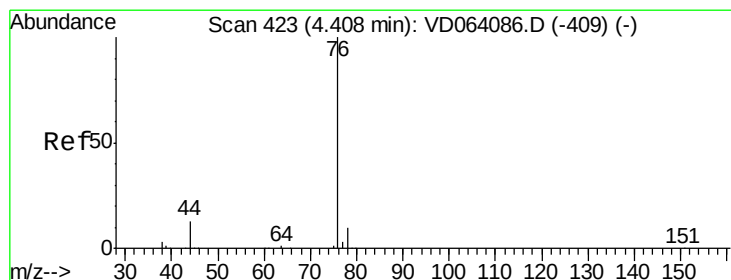
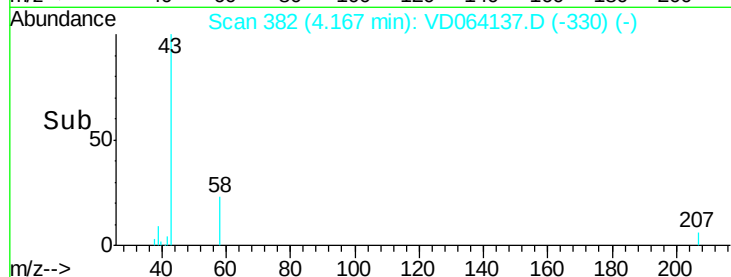
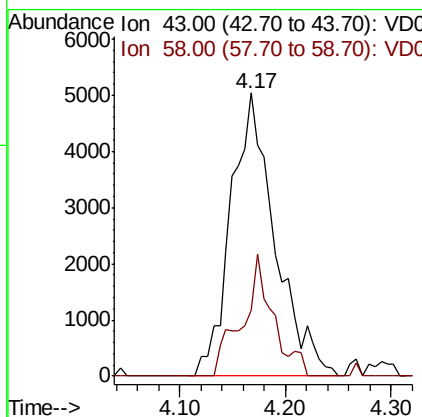
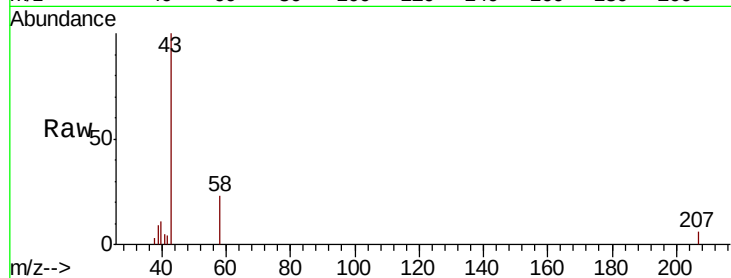




#16
Acetone
Concen: 45.106 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

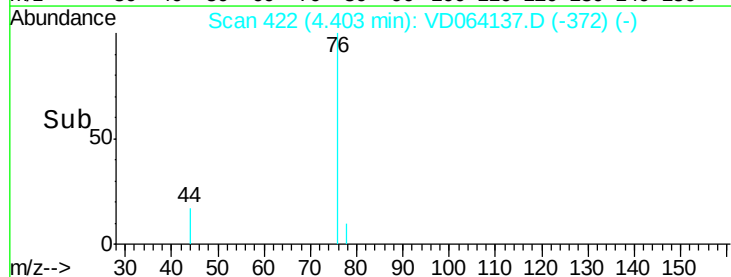
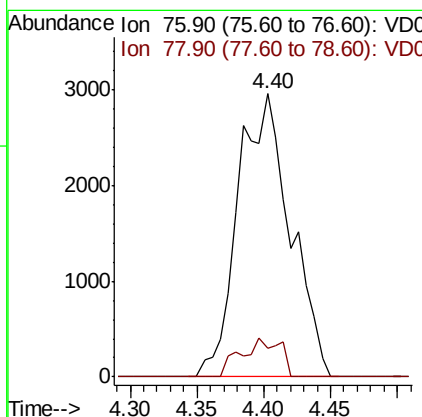
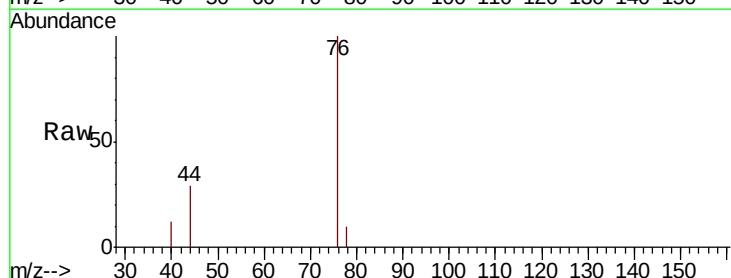
Instrument :
MSVOA_D
ClientSampled :

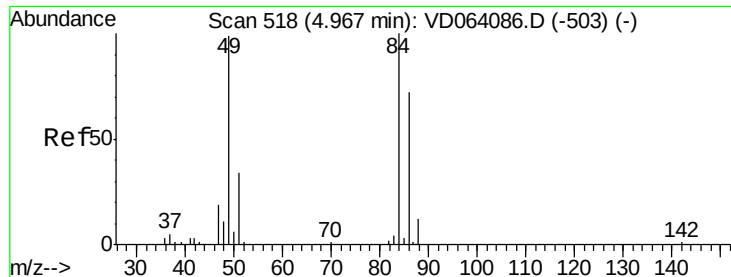
Tot Ion: 43 Resp: 14624
Ion Ratio Lower Upper
43 100
58 23.3 26.3 39.5#



#17
Carbon Disulfide
Concen: 1.414 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 76 Resp: 8075
Ion Ratio Lower Upper
76 100
78 10.2 8.1 12.1

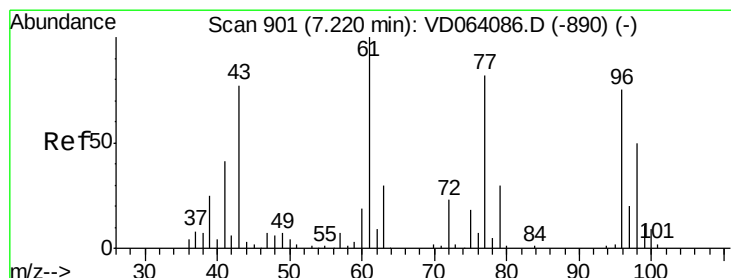
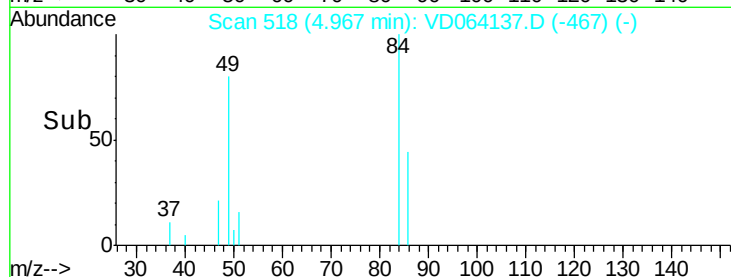
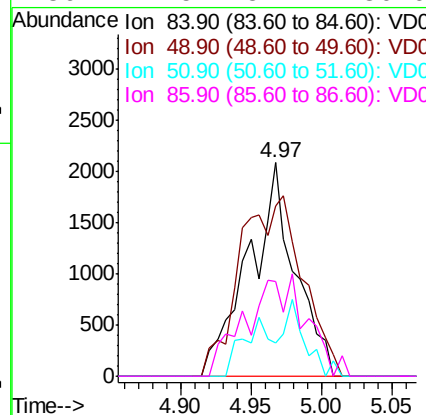
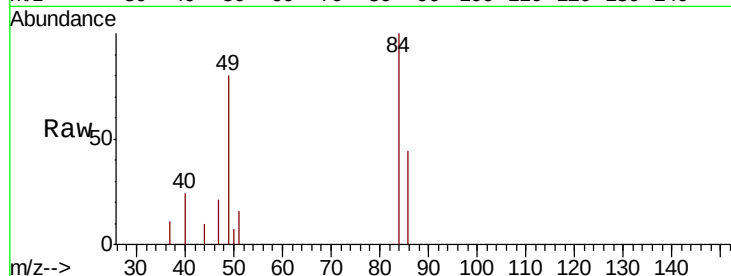




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

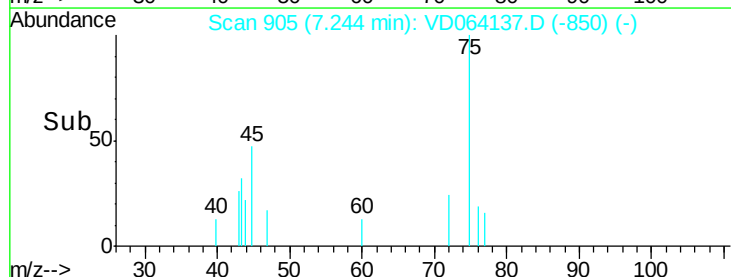
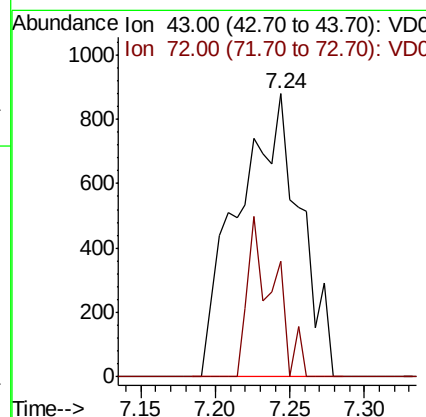
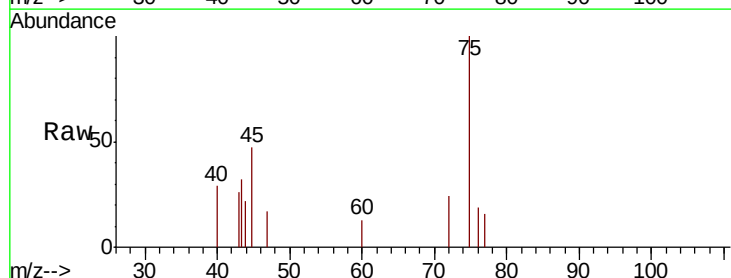
Instrument :
MSVOA_D
ClientSampleId :

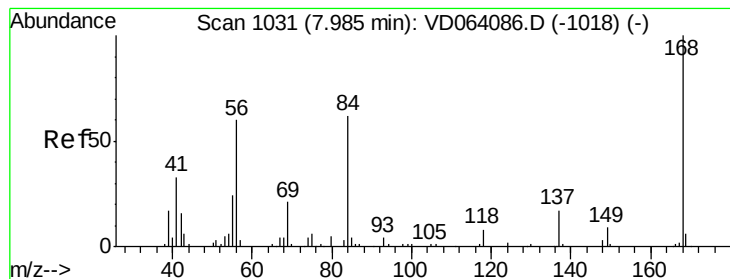
Tot Ion: 84 Resp: 4813
Ion Ratio Lower Upper
84 100
49 79.9 79.4 119.0
51 15.9 27.4 41.2#
86 44.5 57.4 86.0#



#25
2-Butanone
Concen: 5.676 ug/l
RT: 7.24 min Scan# 905
Delta R.T. 0.02 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
72 41.1 23.4 35.0#





#31

Cyclohexane

Concen: 1.313 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064137.D

Acq: 31 Oct 2019 17:19

Instrument :

MSVOA_D

ClientSampled :

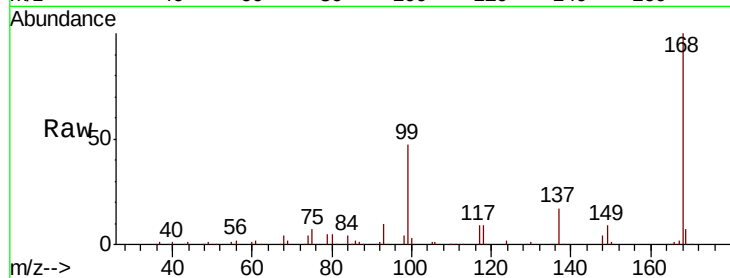
Tot Ion: 56 Resp: 4161

Ion Ratio Lower Upper

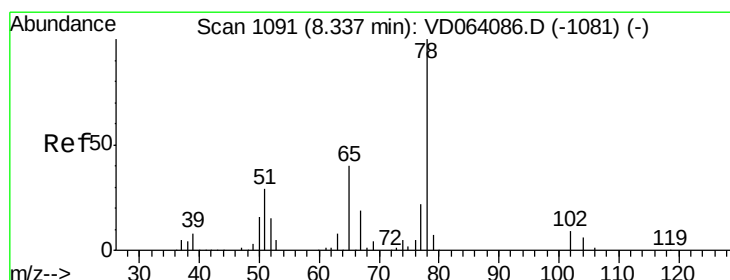
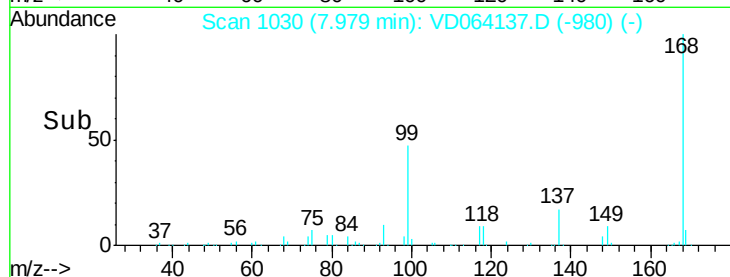
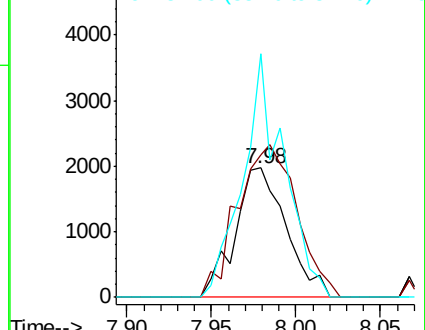
56 100

69 110.3 27.7 41.5#

84 187.8 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: 52.516 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064137.D

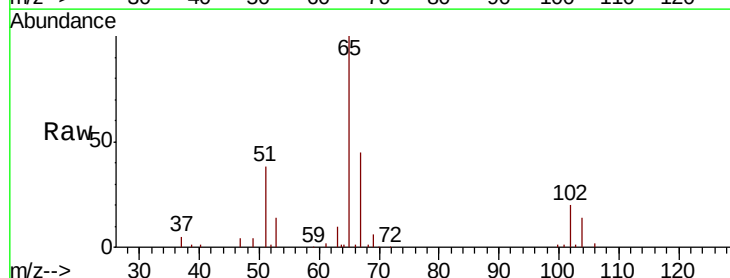
Acq: 31 Oct 2019 17:19

Tgt Ion: 65 Resp: 89486

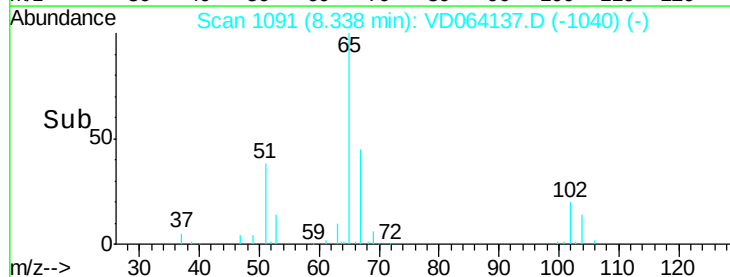
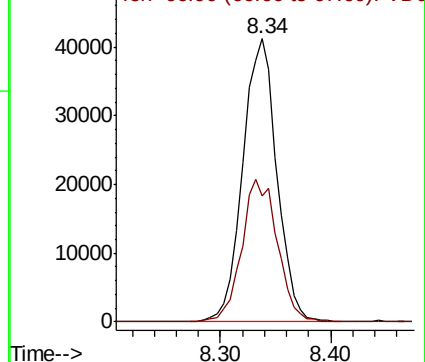
Ion Ratio Lower Upper

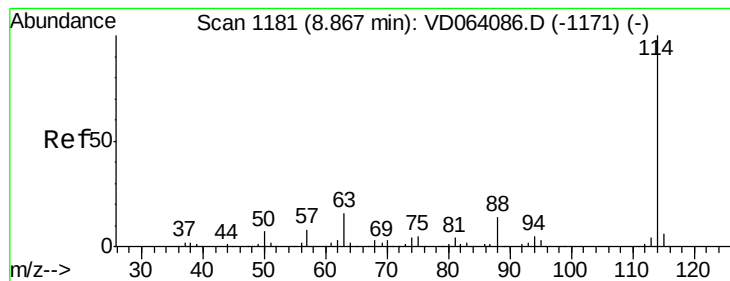
65 100

67 52.4 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# 1181

Delta R.T. 0.00 min

Lab File: VD064137.D

Acq: 31 Oct 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

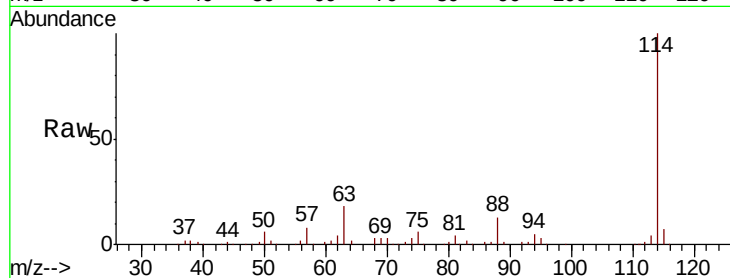
Tot Ion:114 Resp: 344753

Ion Ratio Lower Upper

114 100

63 17.7 0.0 32.8

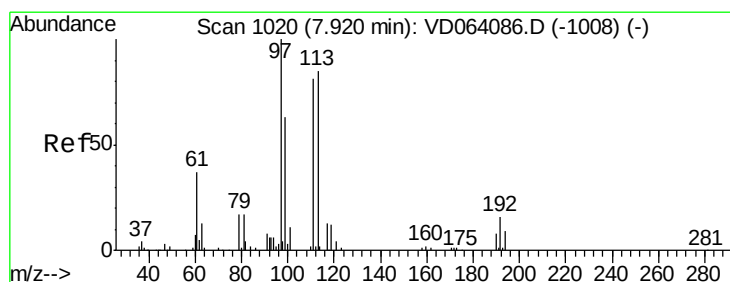
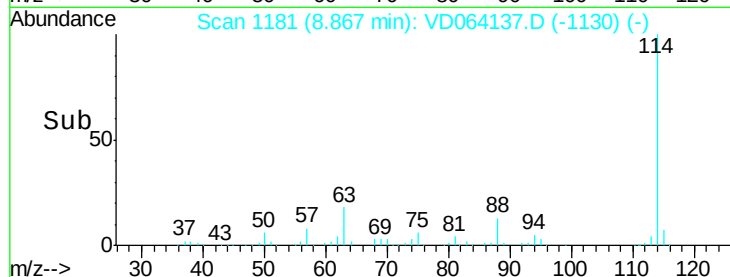
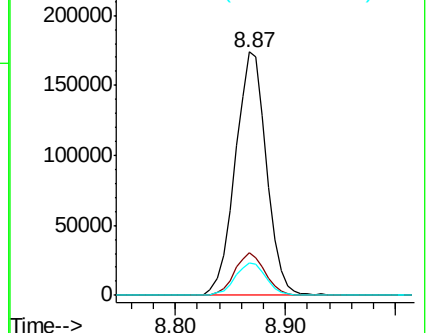
88 13.2 0.0 27.6



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: 49.206 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064137.D

Acq: 31 Oct 2019 17:19

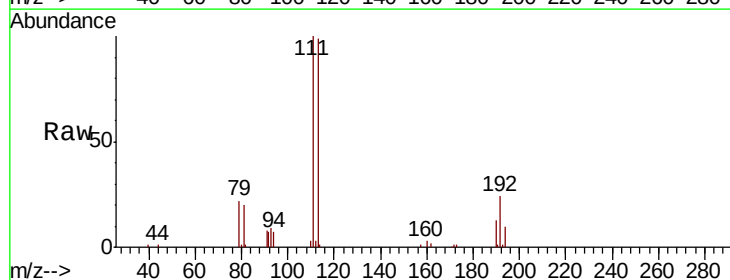
Tgt Ion:113 Resp: 104367

Ion Ratio Lower Upper

113 100

111 106.1 79.3 118.9

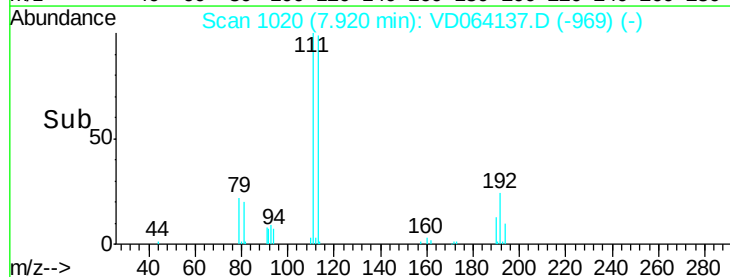
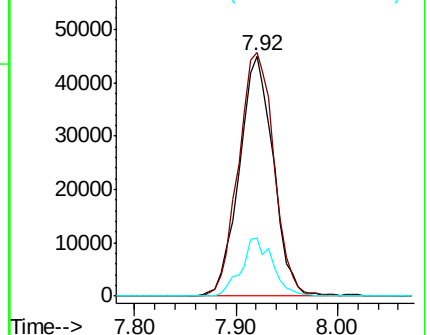
192 22.1 16.2 24.2

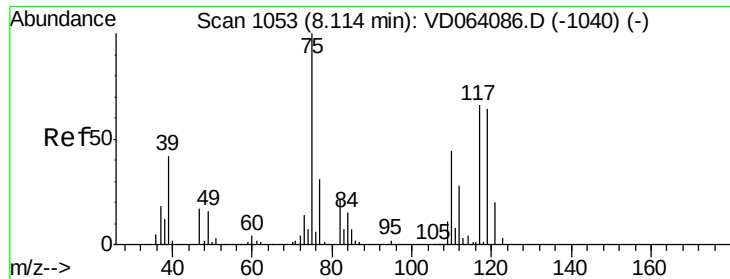


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

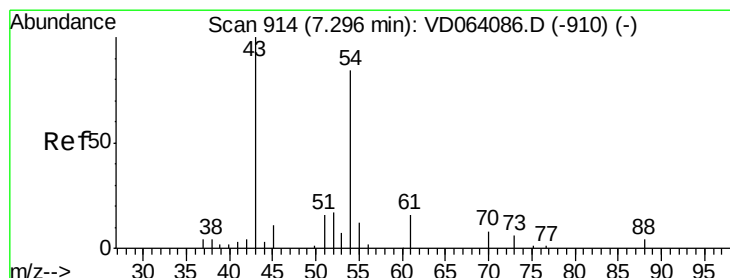
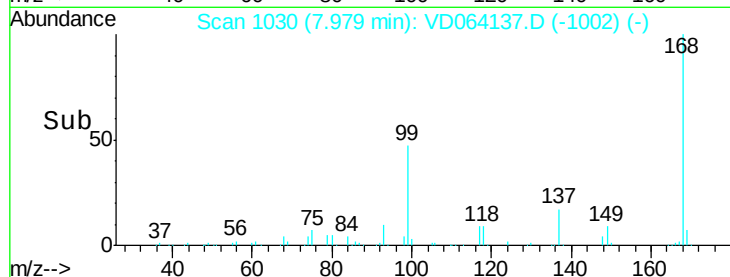
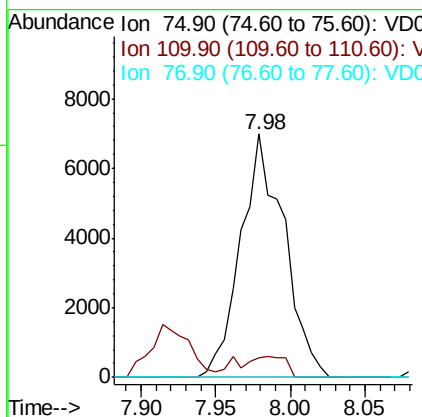
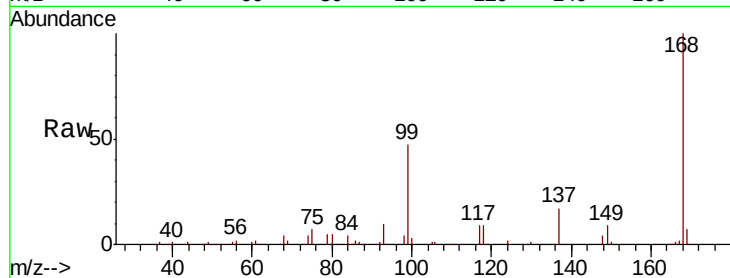




#36
 1,1-Dichloropropene
 Concen: 4.365 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064137.D
 Acq: 31 Oct 2019 17:19

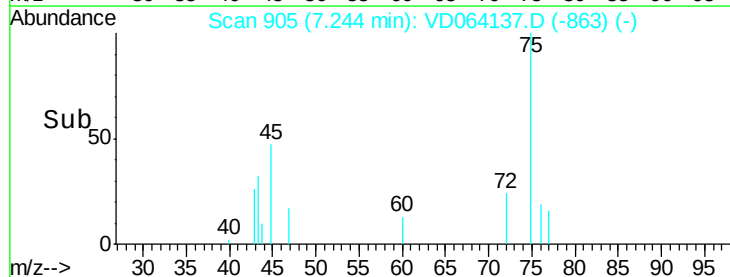
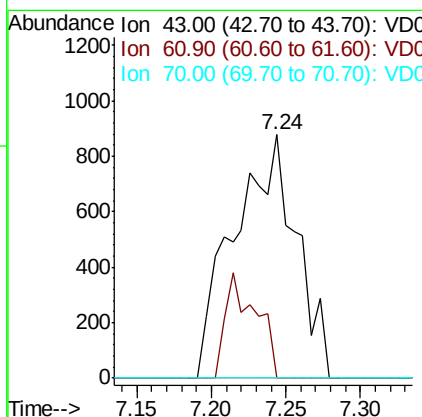
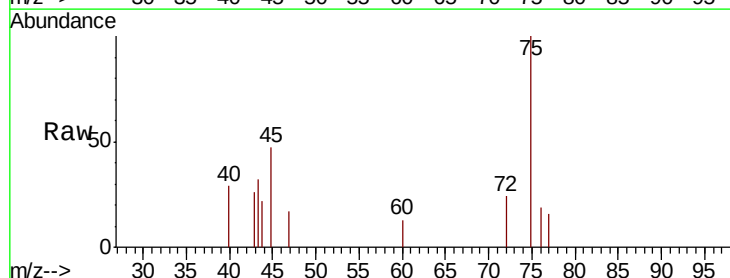
Instrument :
 MSVOA_D
 ClientSampleId :

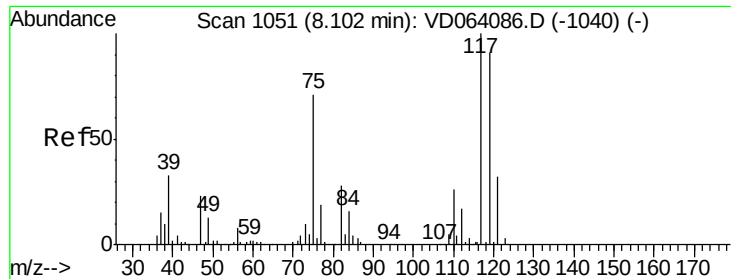
Tot Ion: 75 Resp: 14102
 Ion Ratio Lower Upper
 75 100
 110 6.9 20.0 59.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 2.559 ug/l
 RT: 7.24 min Scan# 905
 Delta R.T. -0.05 min
 Lab File: VD064137.D
 Acq: 31 Oct 2019 17:19

Tgt Ion: 43 Resp: 2544
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.0 18.0#
 70 0.0 3.8 5.6#

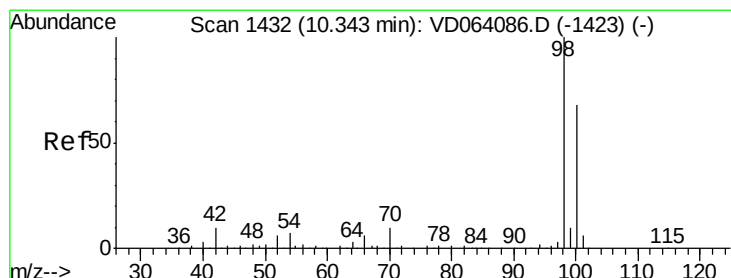
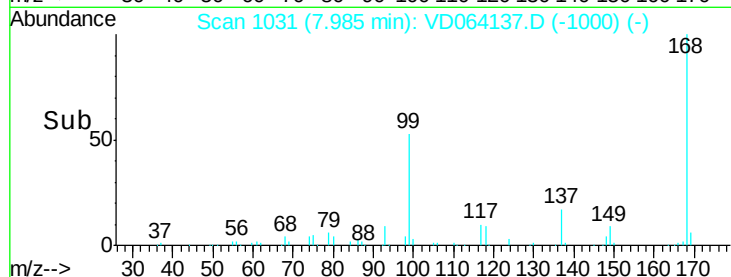
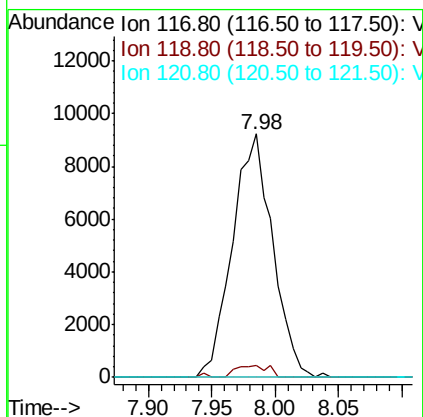
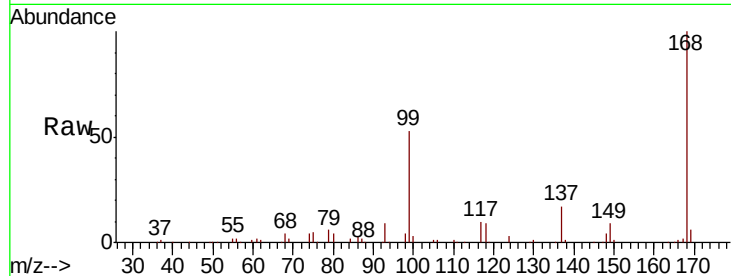




#38
Carbon Tetrachloride
Concen: 5.770 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

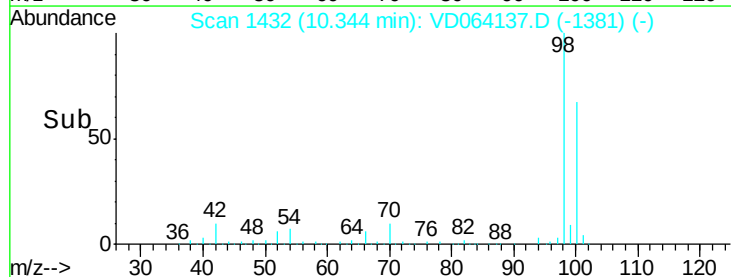
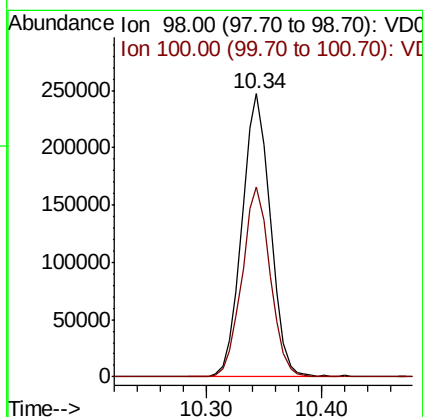
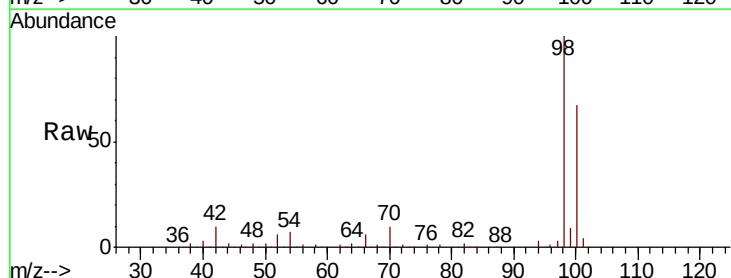
Instrument :
MSVOA_D
ClientSampleId :

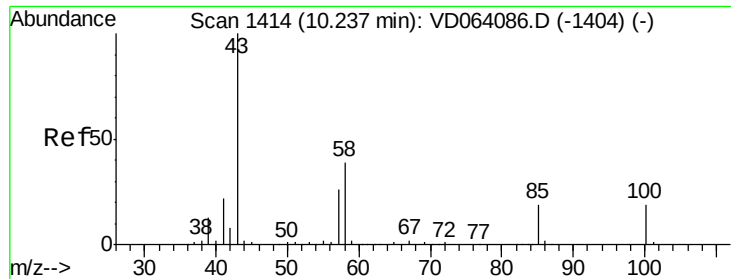
Tot Ion:117 Resp: 20338
Ion Ratio Lower Upper
117 100
119 4.9 72.6 108.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.911 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 98 Resp: 423359
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0

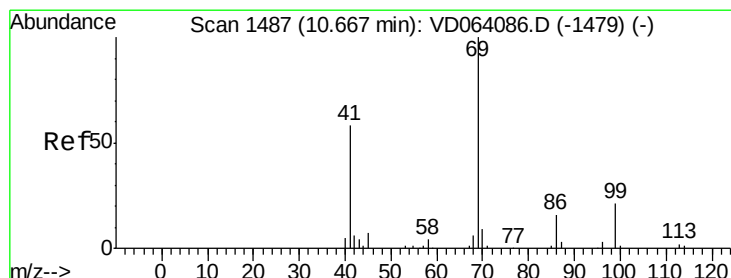
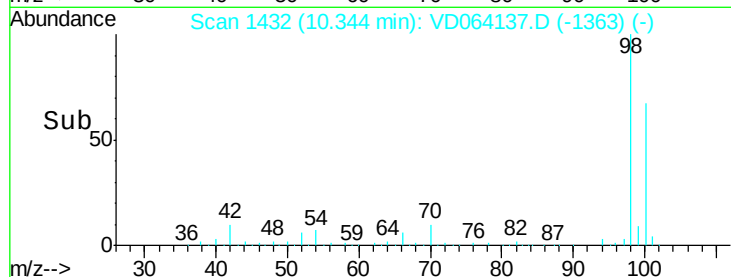
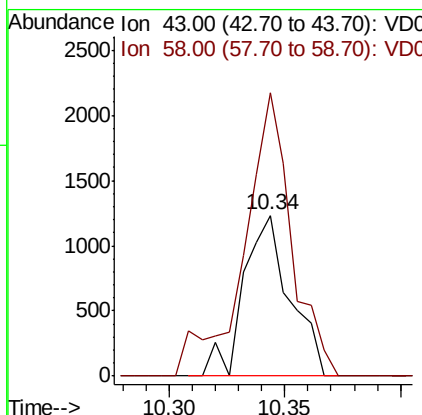
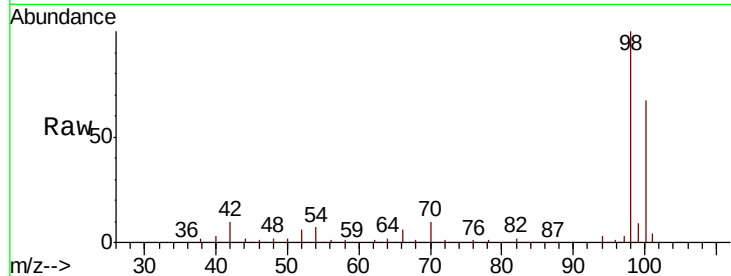




#51
4-Methyl-2-Pentanone
Concen: 1.570 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

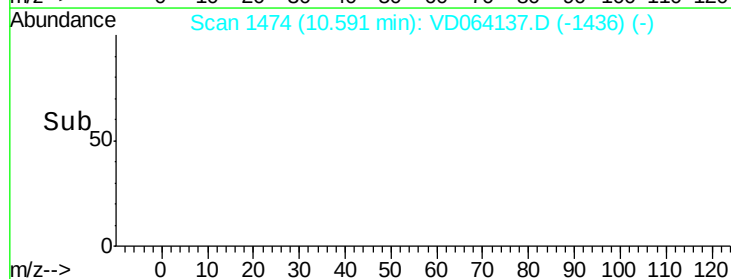
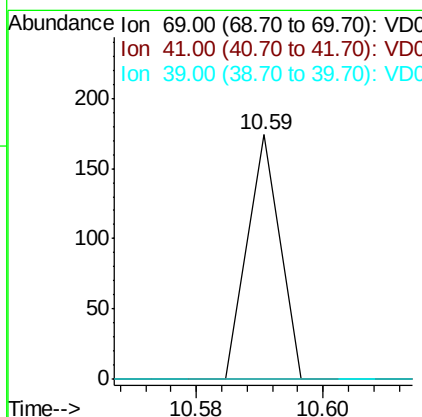
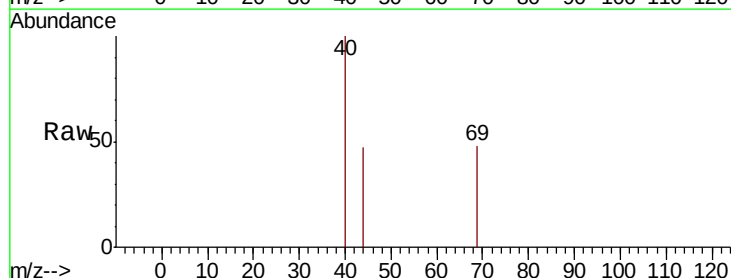
Instrument :
MSVOA_D
ClientSampled :

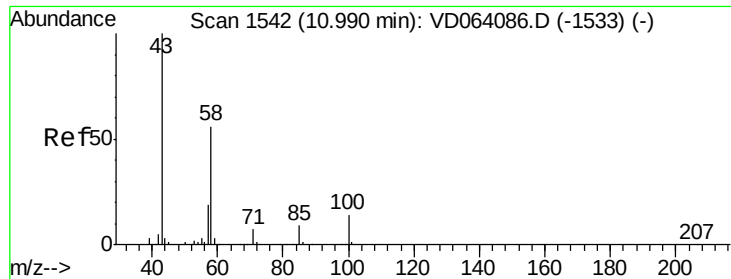
Tot Ion: 43 Resp: 1718
Ion Ratio Lower Upper
43 100
58 182.0 33.0 49.4#



#56
Ethyl methacrylate
Concen: 3.046 ug/l
RT: 10.59 min Scan# 1474
Delta R.T. -0.08 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 0.0 46.9 70.3#
39 0.0 27.3 40.9#

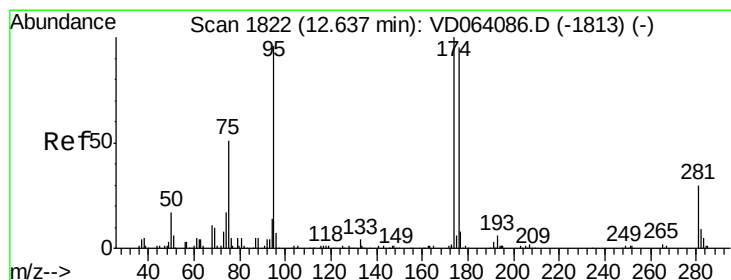
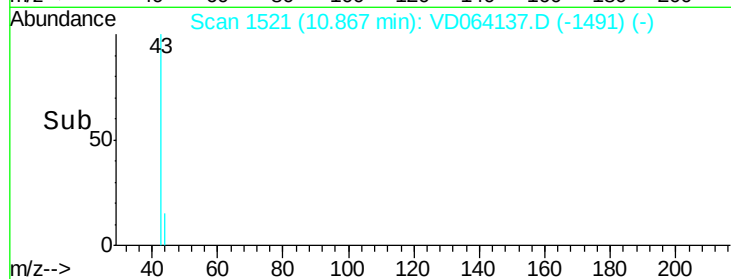
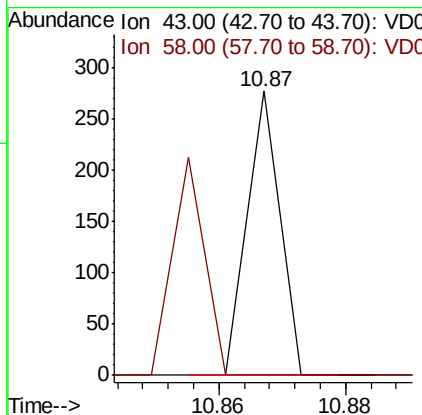
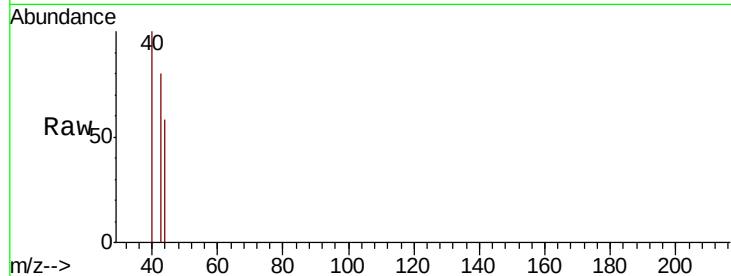




#59
2-Hexanone
Concen: 9.124 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.12 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

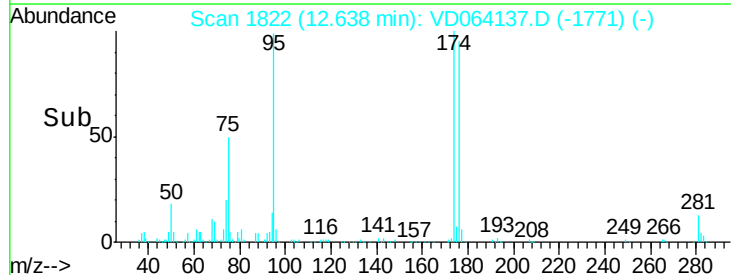
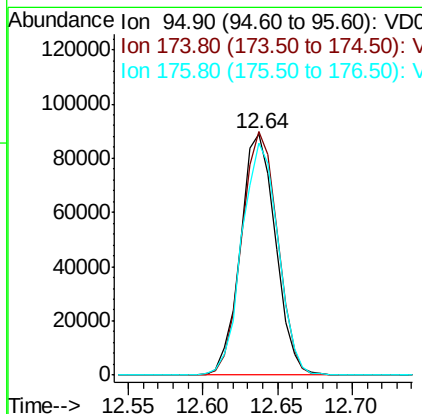
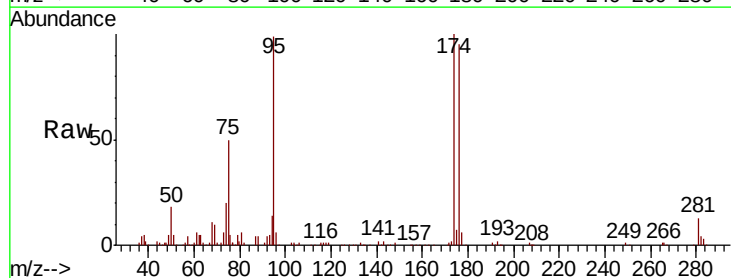
Instrument :
MSVOA_D
ClientSampleId :

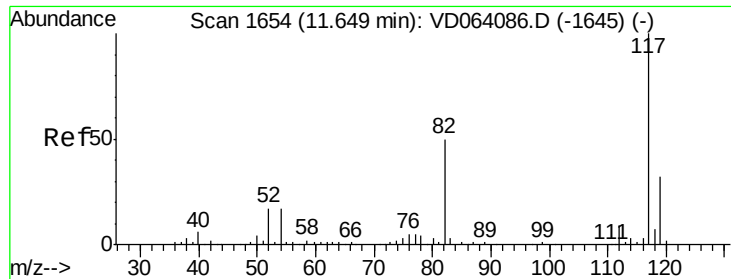
Tot Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
58 76.5 29.2 87.6



#62
4-Bromofluorobenzene
Concen: 51.611 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

Tgt Ion: 95 Resp: 145137
Ion Ratio Lower Upper
95 100
174 102.7 0.0 201.6
176 99.5 0.0 192.6

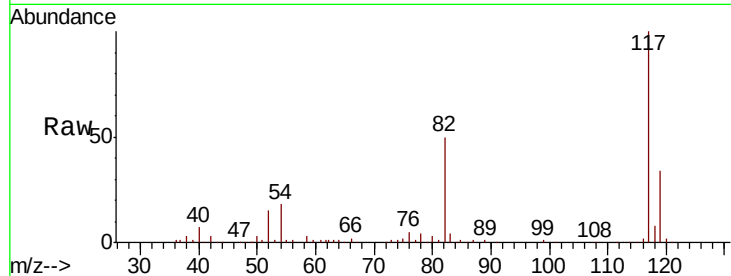




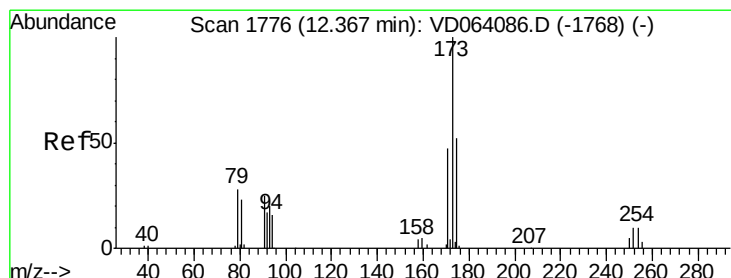
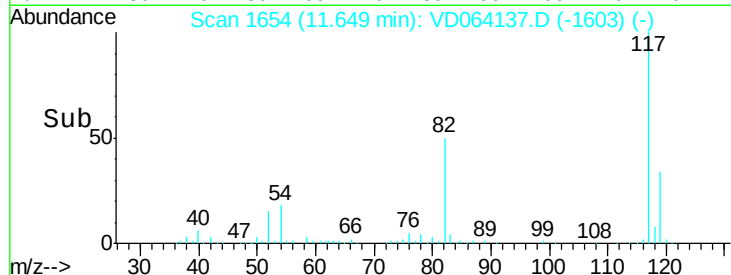
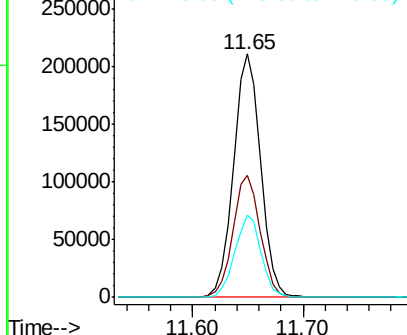
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 363720
Ion Ratio Lower Upper
117 100
82 50.3 40.2 60.4
119 33.6 26.0 39.0

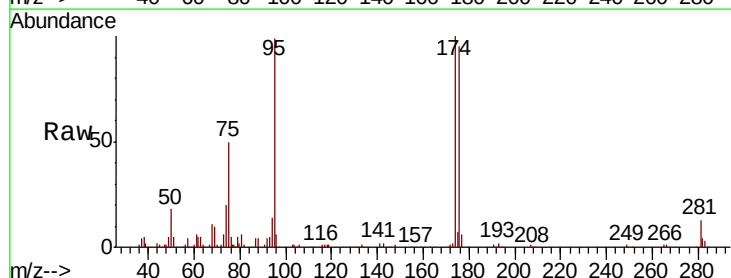


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

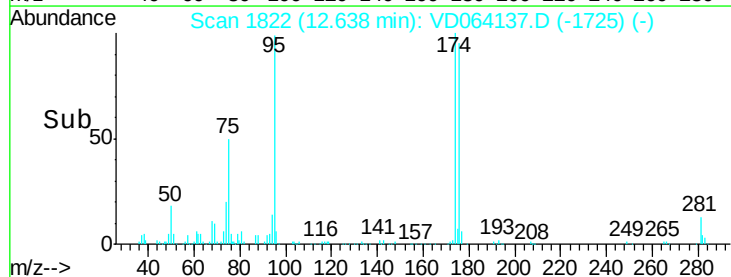
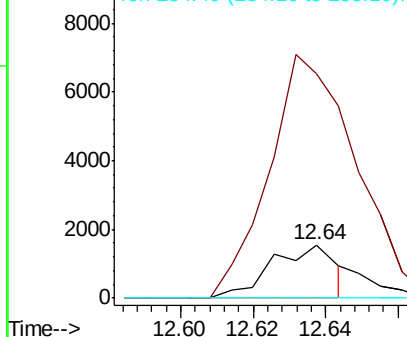


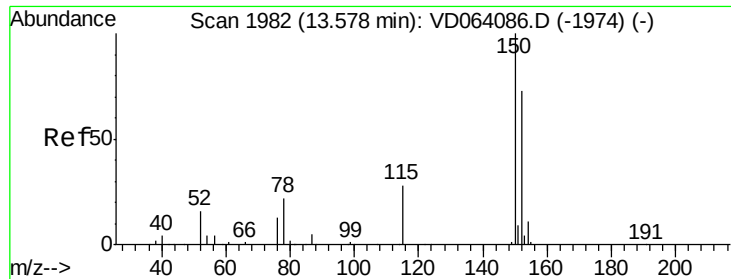
#71
Bromoform
Concen: 1.268 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064137.D
Acq: 31 Oct 2019 17:19

Tgt Ion:173 Resp: 1905
Ion Ratio Lower Upper
173 100
175 490.3 24.3 72.9#
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: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064137.D

Acq: 31 Oct 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

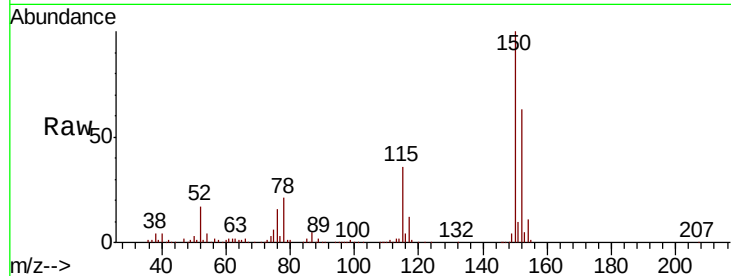
Tot Ion:152 Resp: 186839

Ion Ratio Lower Upper

152 100

115 54.7 26.2 78.6

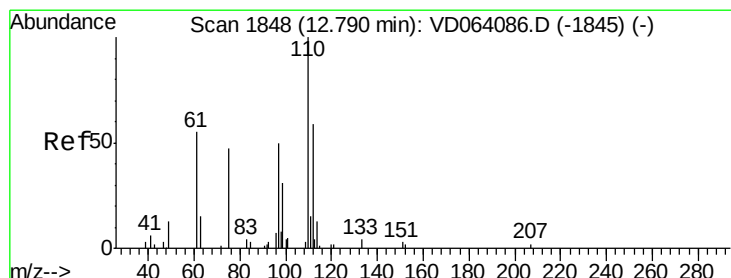
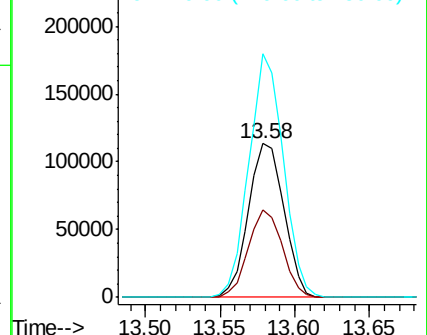
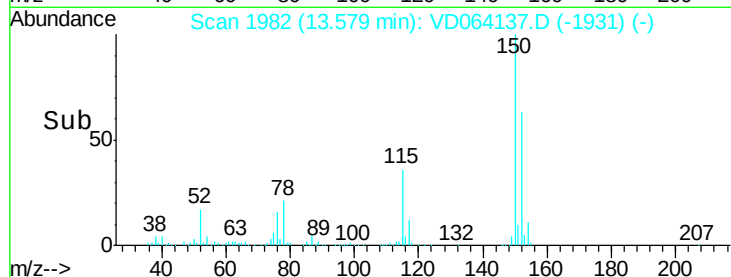
150 153.3 0.0 338.8



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: 61.626 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064137.D

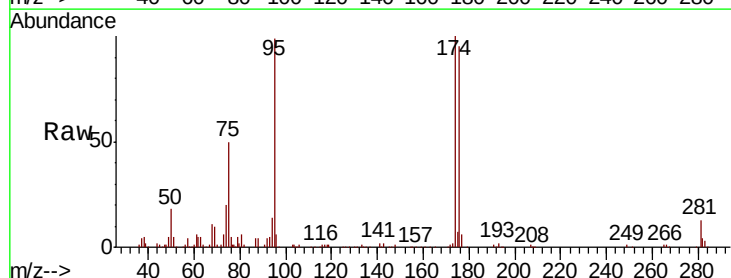
Acq: 31 Oct 2019 17:19

Tgt Ion: 75 Resp: 77369

Ion Ratio Lower Upper

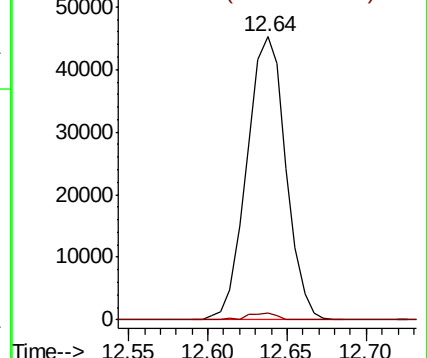
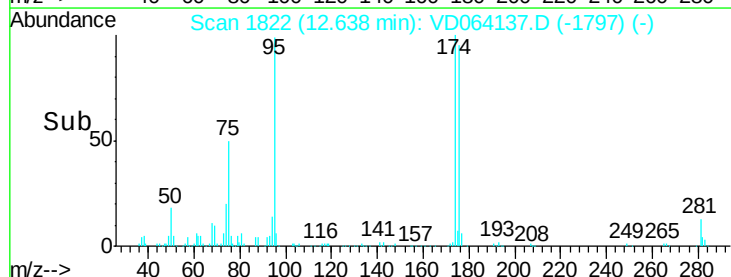
75 100

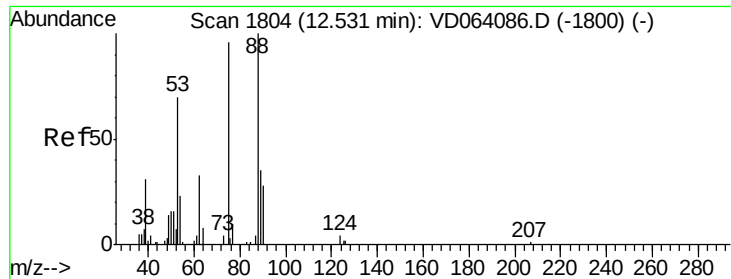
77 1.8 0.0 0.0#



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: 125.857 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064137.D

Acq: 31 Oct 2019 17:19

Instrument :

MSVOA_D

ClientSampleId :

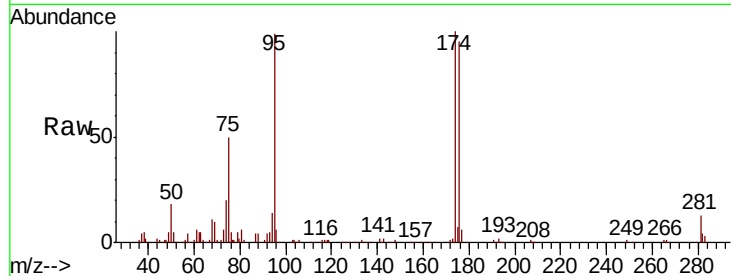
Tot Ion: 75 Resp: 77369

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

