

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064590.D
 Acq On : 26 Dec 2019 10:40
 Operator : VA/SY
 Sample : VD1226SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBL01

Quant Time: Dec 27 01:37:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	496881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	780405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	800483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	411061	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	218137	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
35) Dibromofluoromethane	7.92	113	236103	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	10.34	98	951473	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.64	95	357173	61.60	ug/l	0.00
Spiked Amount			Recovery	=	123.20%	

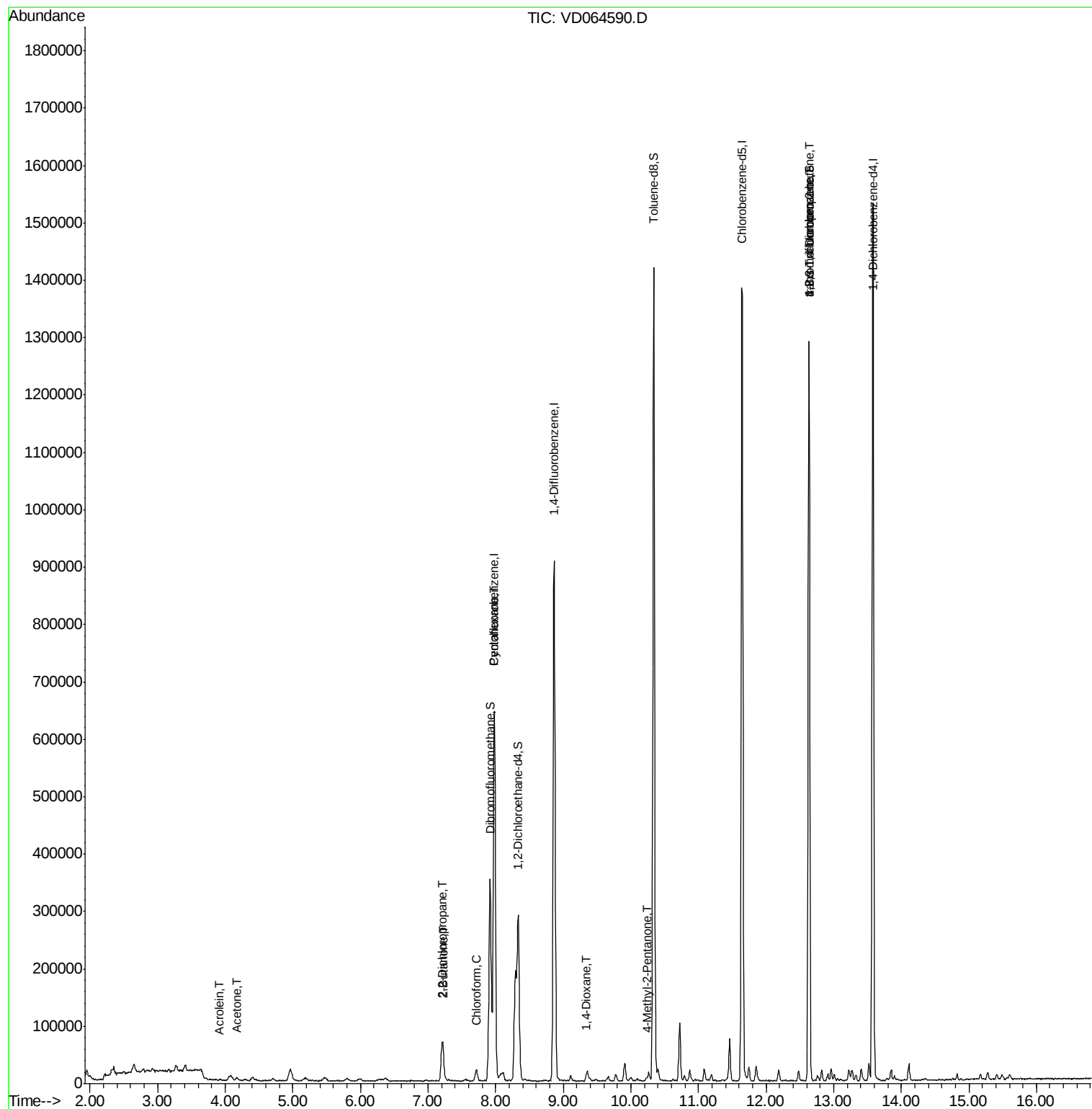
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.91	56	460	1.314	ug/l #	67
16) Acetone	4.17	43	7839	11.674	ug/l	95
20) Methylene Chloride	4.97	84	15227	Below Cal	#	82
25) 2-Butanone	7.21	43	6082	5.050	ug/l #	49
26) 2,2-Dichloropropane	7.21	77	8373	1.103	ug/l #	62
30) Chloroform	7.71	83	18666	2.180	ug/l	90
31) Cyclohexane	7.98	56	15675	1.919	ug/l #	63
49) 1,4-Dioxane	9.33	88	54	1.716	ug/l #	1
51) 4-Methyl-2-Pentanone	10.24	43	4209	1.450	ug/l	90
76) 1,2,3-Trichloropropane	12.64	75	190512	58.691	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	190512	122.751	ug/l #	10

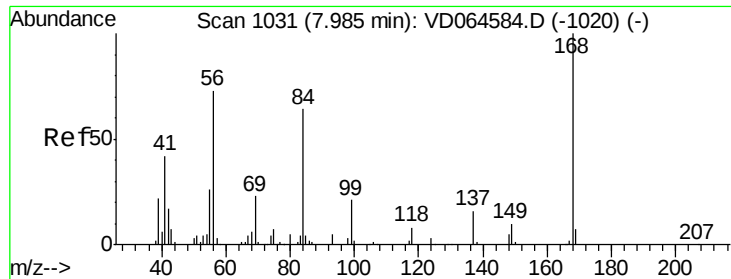
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
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ClientSampleId :
VD1226SBL01

Quant Time: Dec 27 01:37:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 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: VD064590.D

Acq: 26 Dec 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

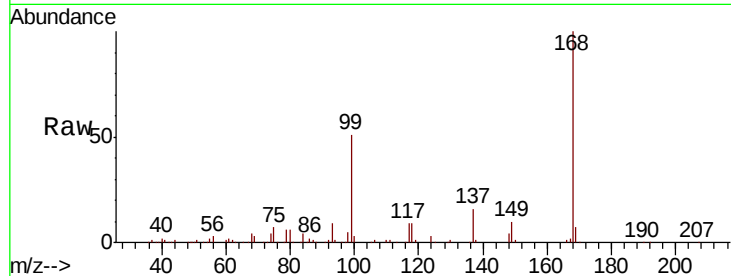
VD1226SBL01

Tot Ion:168 Resp: 496881

Ion Ratio Lower Upper

168 100

99 50.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

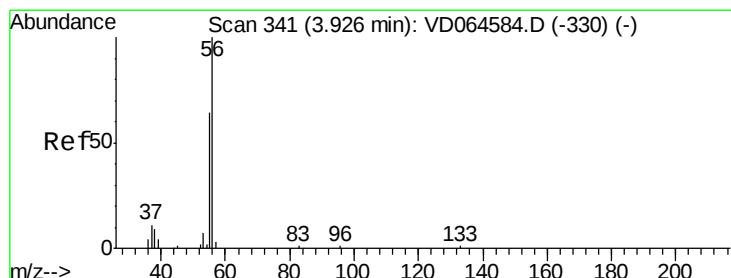
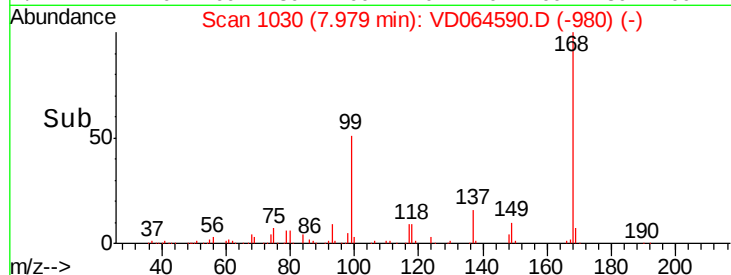
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 1.314 ug/l

RT: 3.91 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD064590.D

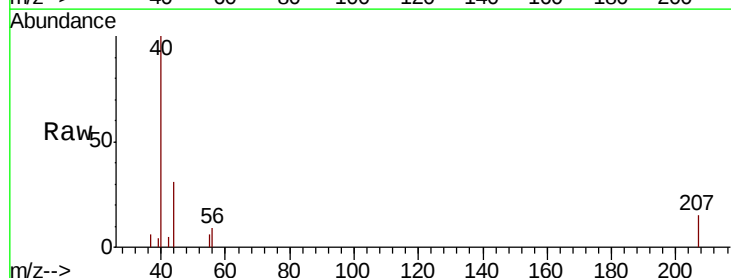
Acq: 26 Dec 2019 10:40

Tgt Ion: 56 Resp: 460

Ion Ratio Lower Upper

56 100

55 98.5 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

600

500

400

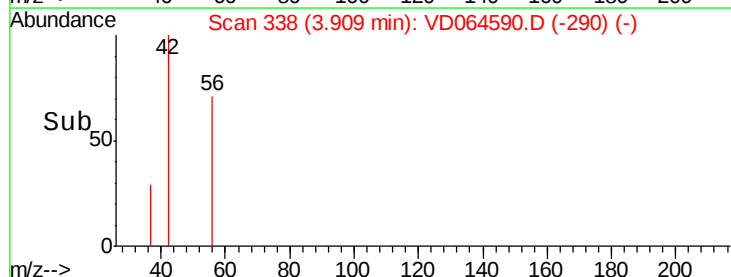
300

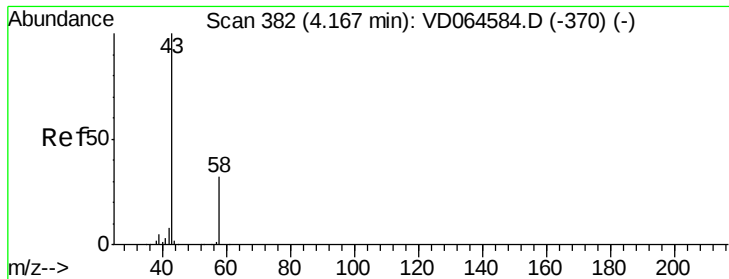
200

100

0

Time-->





#16

Acetone

Concen: 11.674 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064590.D

Acq: 26 Dec 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

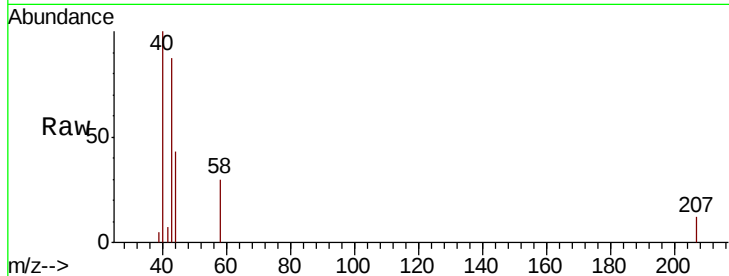
VD1226SBL01

Tot Ion: 43 Resp: 7839

Ion Ratio Lower Upper

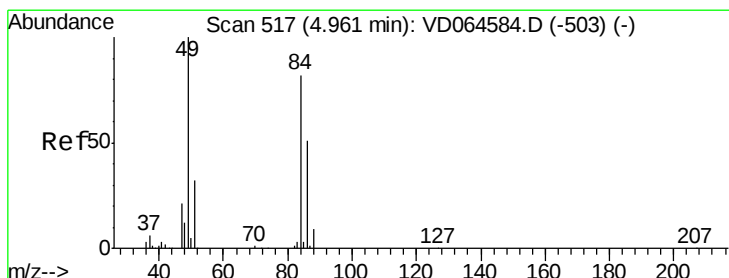
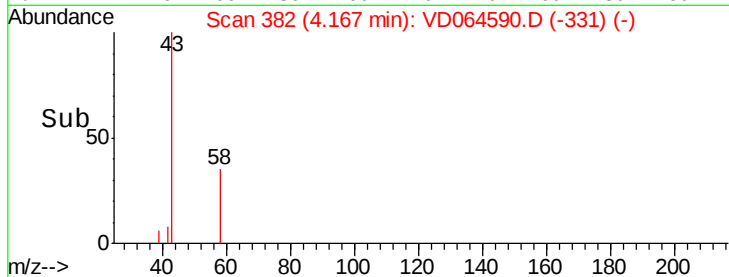
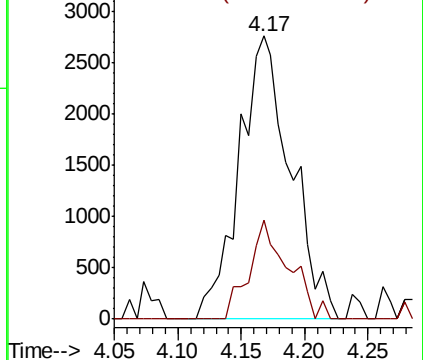
43 100

58 34.9 25.8 38.6



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: VD064590.D

Acq: 26 Dec 2019 10:40

Tgt Ion: 84 Resp: 15227

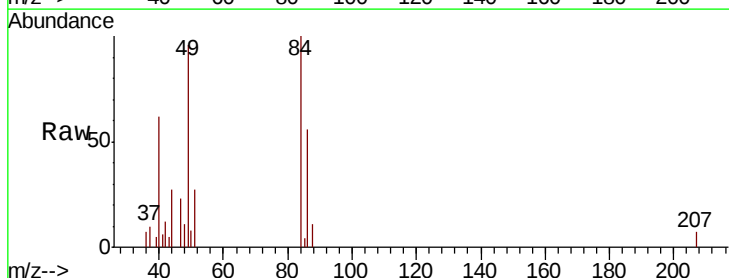
Ion Ratio Lower Upper

84 100

49 95.9 97.2 145.8#

51 26.7 31.4 47.0#

86 56.4 49.3 73.9

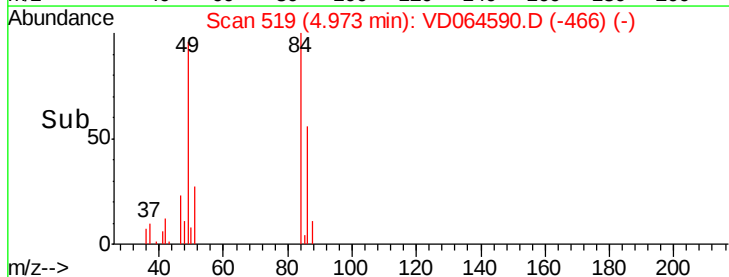
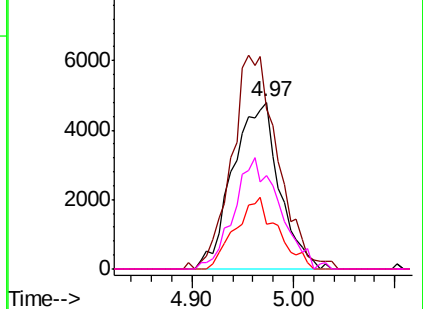


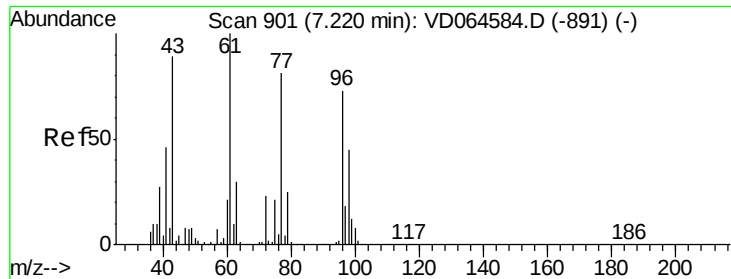
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

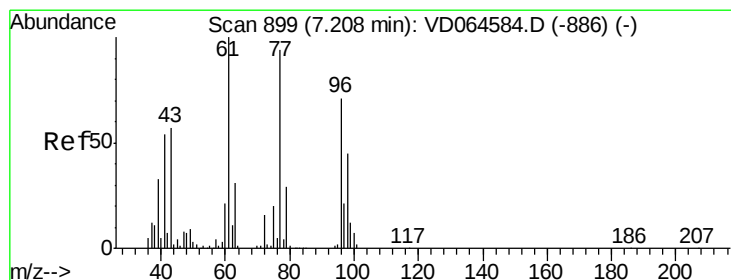
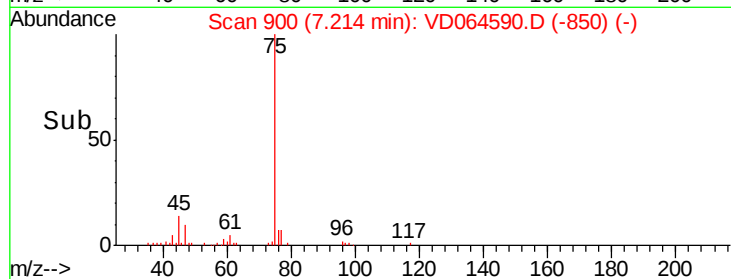
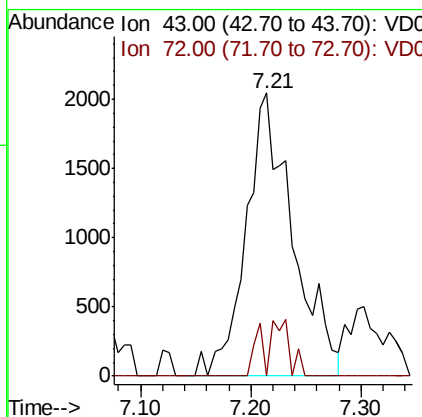
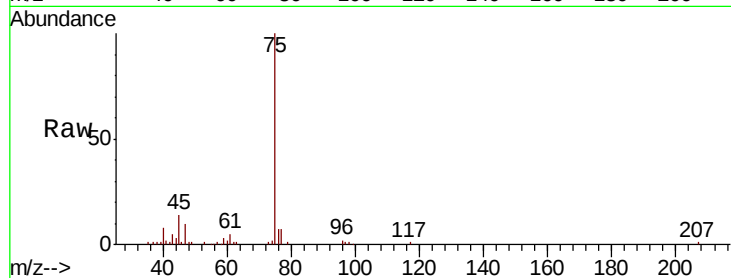




#25
 2-Butanone
 Concen: 5.050 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064590.D
 Acq: 26 Dec 2019 10:40

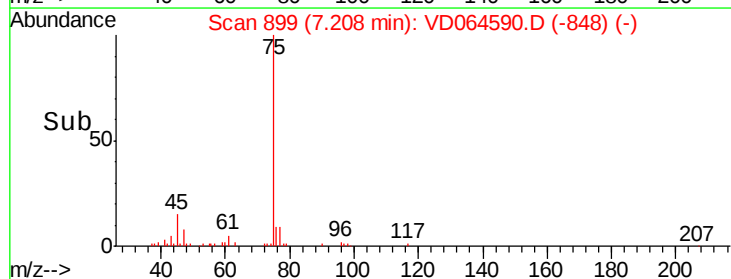
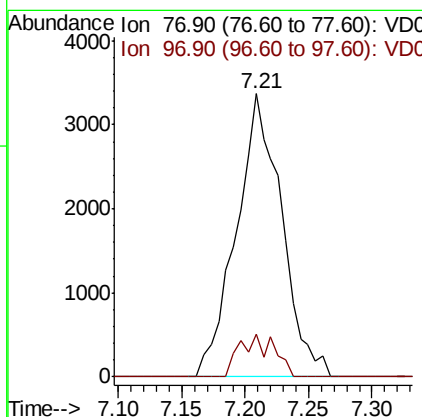
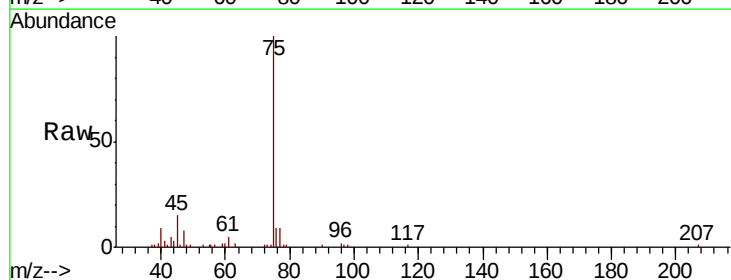
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBL01

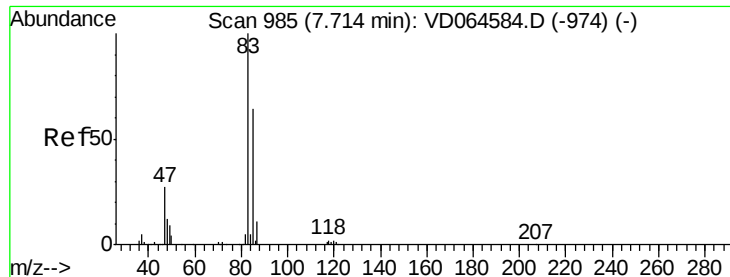
Tot Ion: 43 Resp: 6082
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.7 31.1#



#26
 2,2-Dichloropropane
 Concen: 1.103 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD064590.D
 Acq: 26 Dec 2019 10:40

Tgt Ion: 77 Resp: 8373
 Ion Ratio Lower Upper
 77 100
 97 4.2 11.2 33.6#





#30

Chloroform

Concen: 2.180 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064590.D

Acq: 26 Dec 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

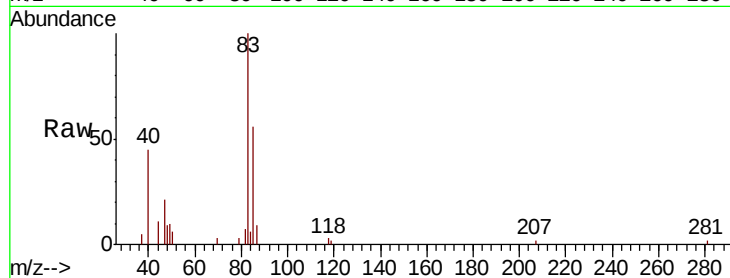
VD1226SBL01

Tot Ion: 83 Resp: 18666

Ion Ratio Lower Upper

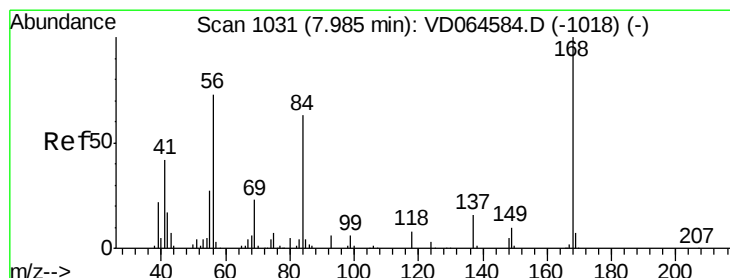
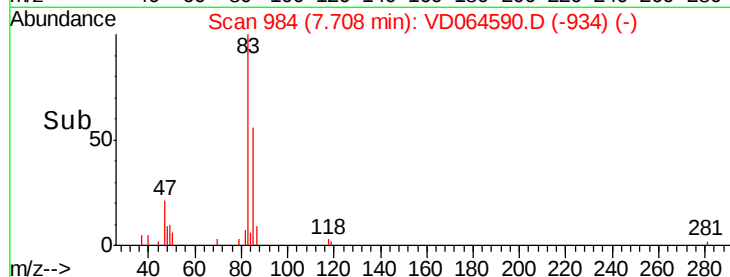
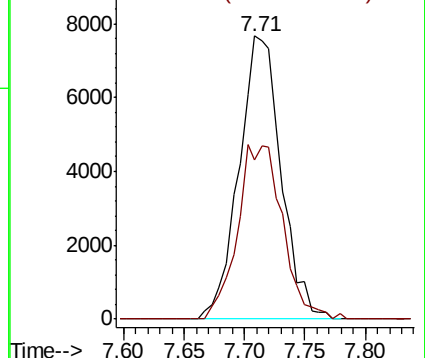
83 100

85 56.4 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC



#31

Cyclohexane

Concen: 1.919 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064590.D

Acq: 26 Dec 2019 10:40

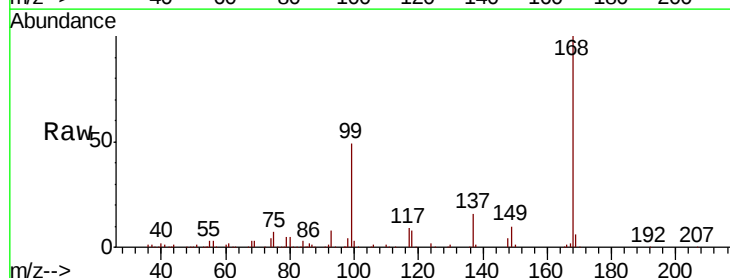
Tgt Ion: 56 Resp: 15675

Ion Ratio Lower Upper

56 100

69 98.7 24.7 37.1#

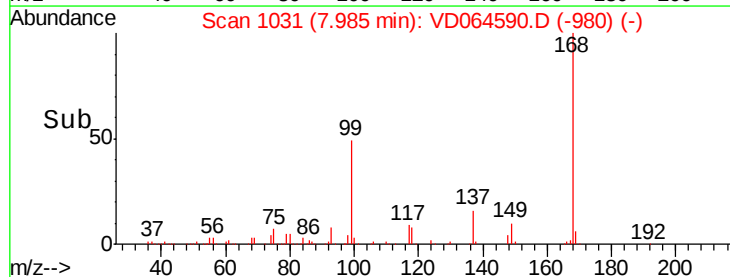
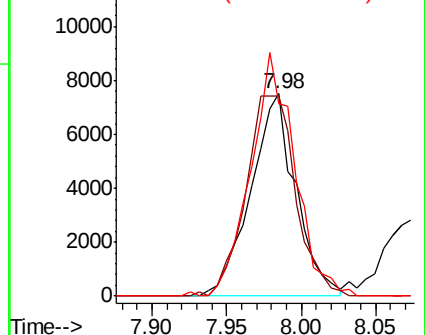
84 93.0 69.4 104.2

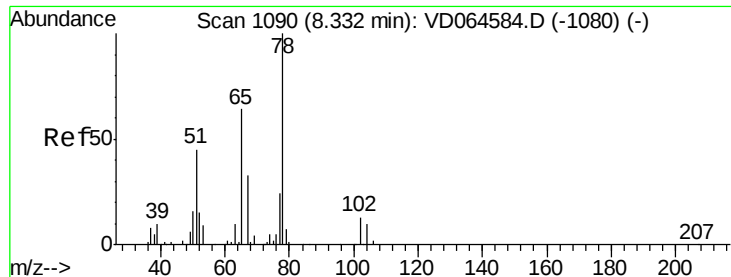


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

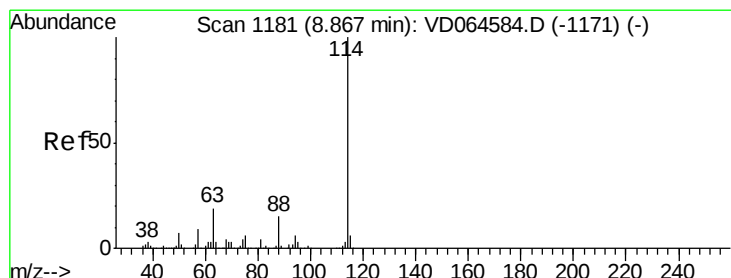
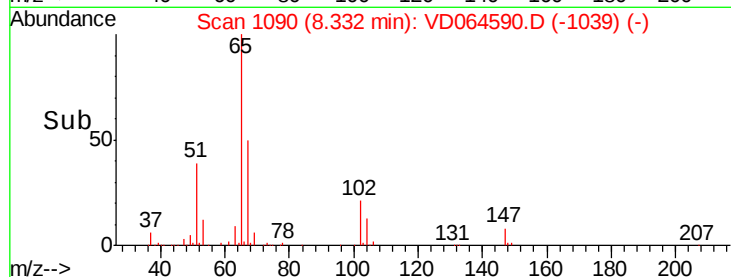
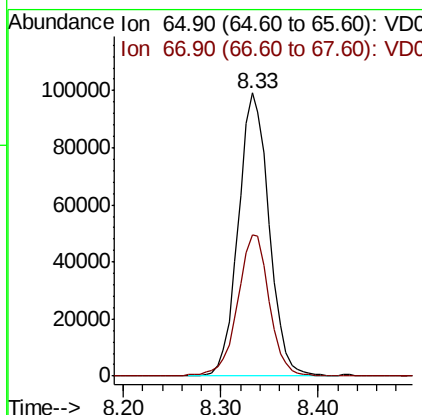
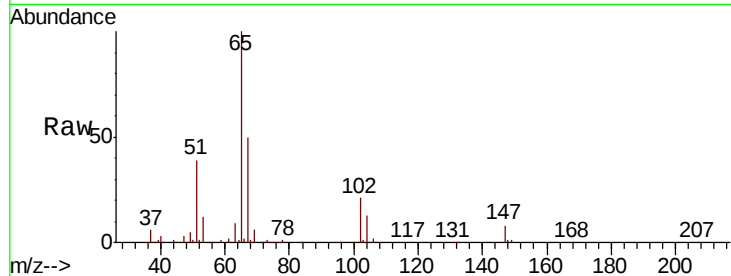




#33
 1,2-Dichloroethane-d4
 Concen: 49.787 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064590.D
 Acq: 26 Dec 2019 10:40

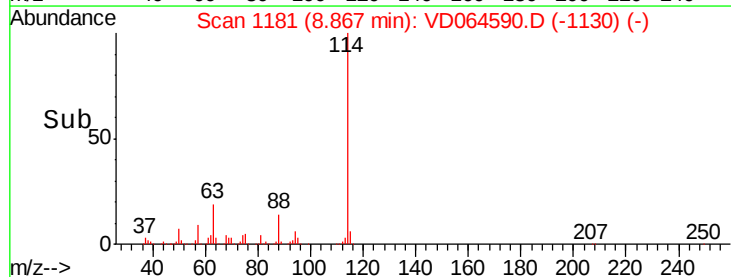
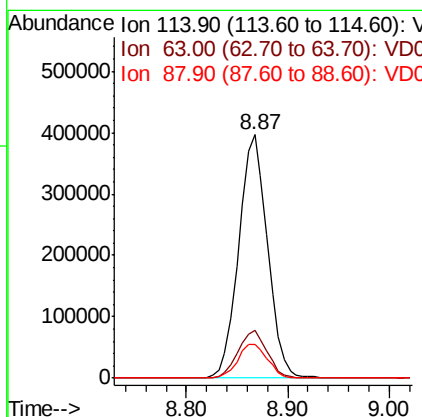
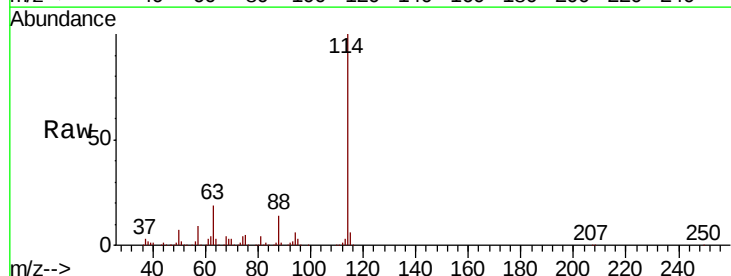
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBL01

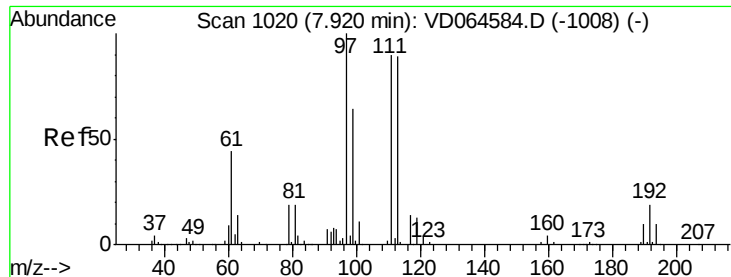
Tot Ion: 65 Resp: 218137
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064590.D
 Acq: 26 Dec 2019 10:40

Tgt Ion: 114 Resp: 780405
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 14.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 49.312 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064590.D

Acq: 26 Dec 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBL01

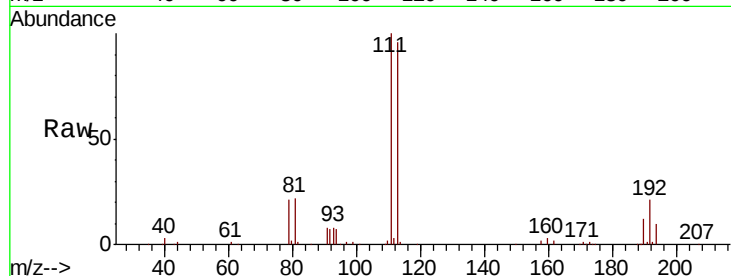
Tot Ion:113 Resp: 236103

Ion Ratio Lower Upper

113 100

111 103.8 80.6 121.0

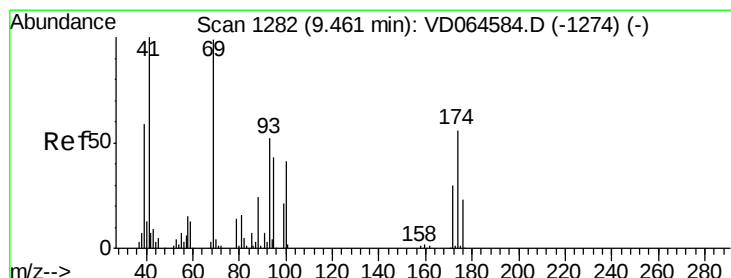
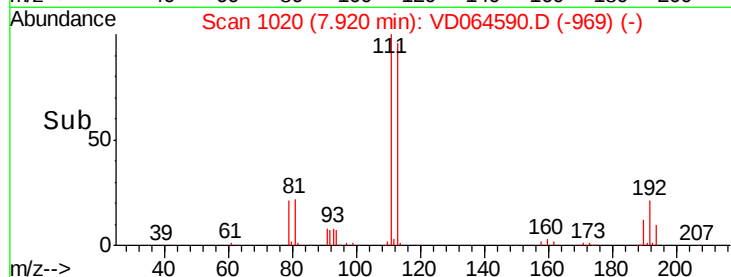
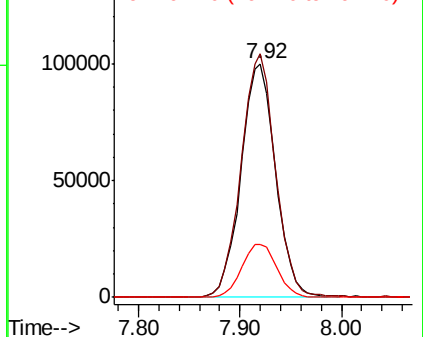
192 23.1 17.9 26.9



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



#49

1,4-Dioxane

Concen: 1.716 ug/l

RT: 9.33 min Scan# 1260

Delta R.T. -0.13 min

Lab File: VD064590.D

Acq: 26 Dec 2019 10:40

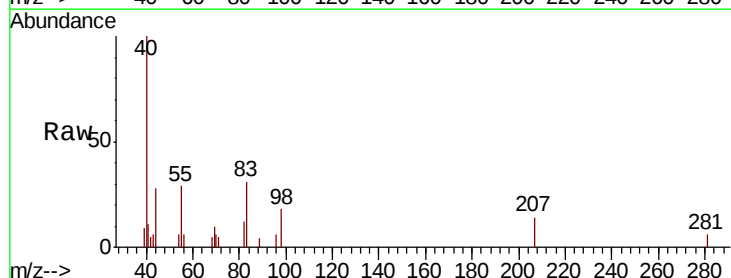
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 1613.0 27.7 41.5#

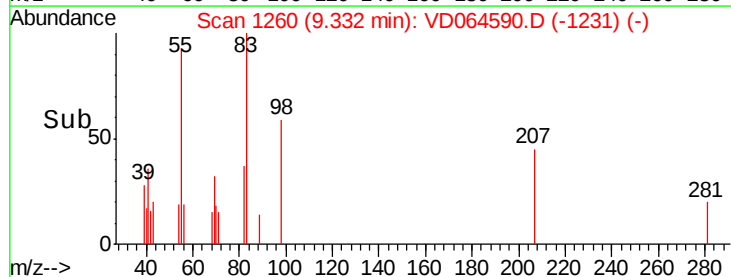
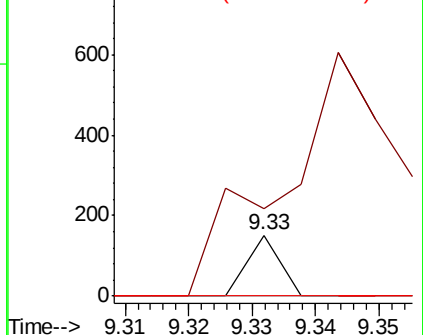
58 0.0 53.8 80.6#

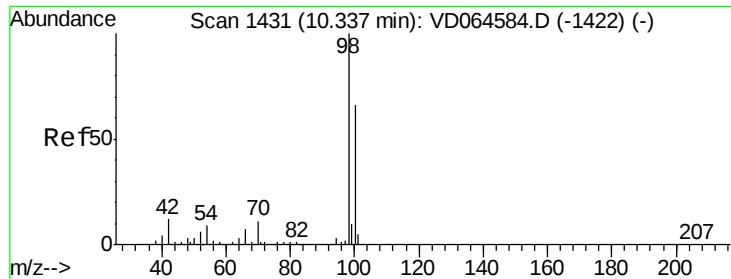


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 51.888 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064590.D

Acq: 26 Dec 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

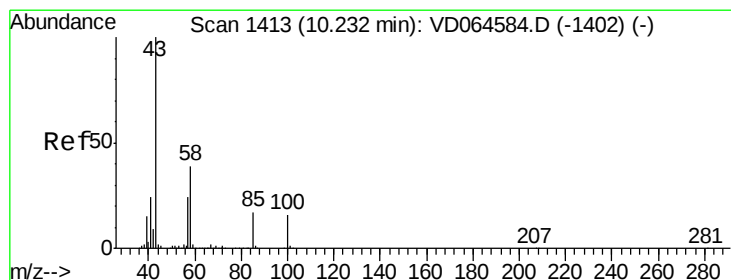
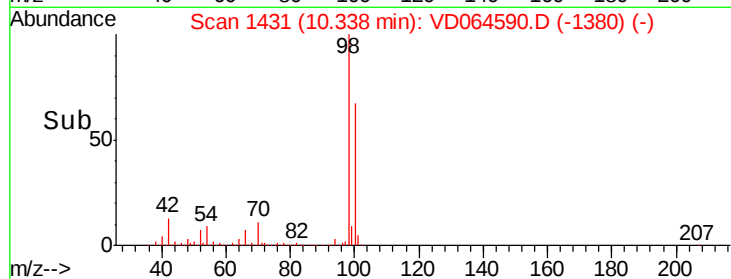
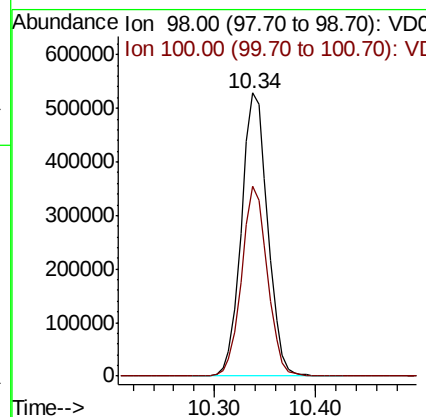
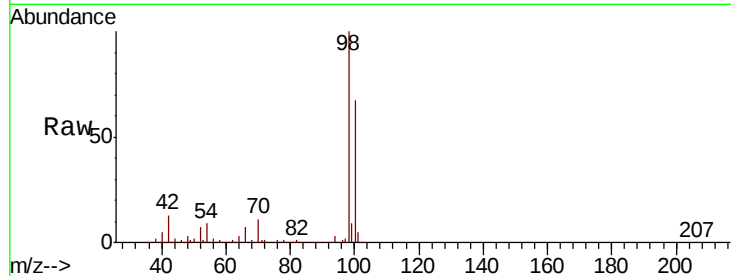
VD1226SBL01

Tot Ion: 98 Resp: 951473

Ion Ratio Lower Upper

98 100

100 65.5 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.450 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064590.D

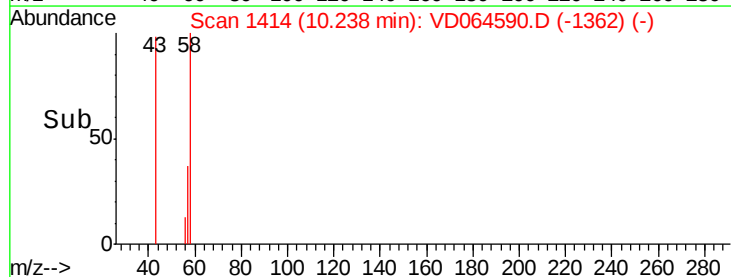
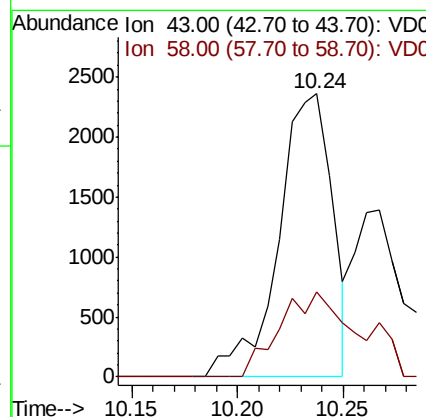
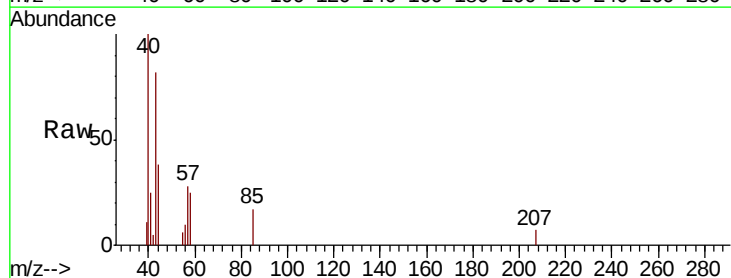
Acq: 26 Dec 2019 10:40

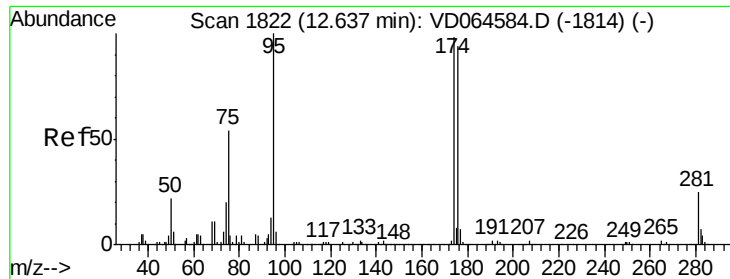
Tgt Ion: 43 Resp: 4209

Ion Ratio Lower Upper

43 100

58 43.7 30.2 45.2

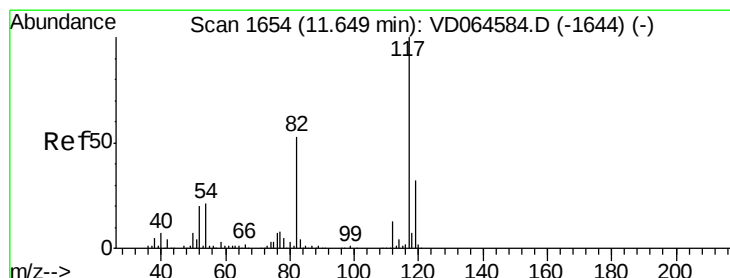
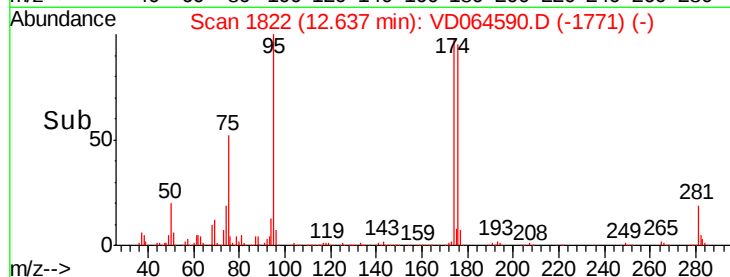
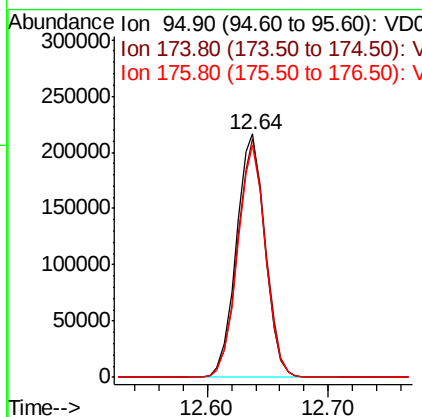
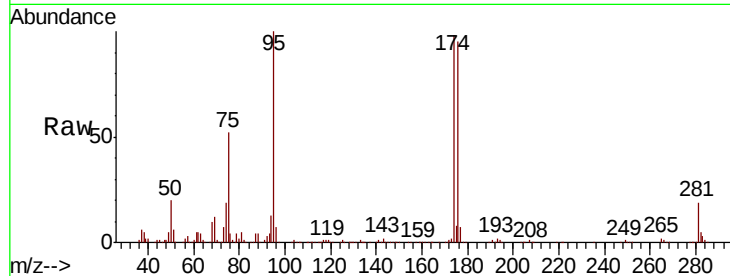




#62
4-Bromofluorobenzene
Concen: 61.598 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064590.D
Acq: 26 Dec 2019 10:40

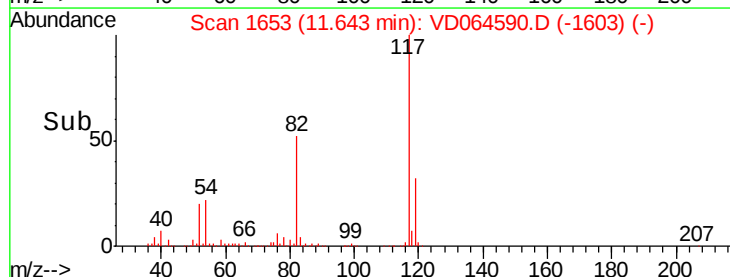
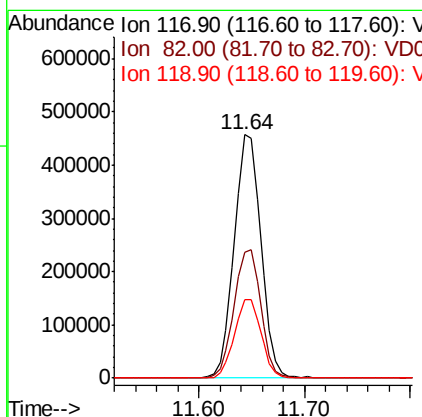
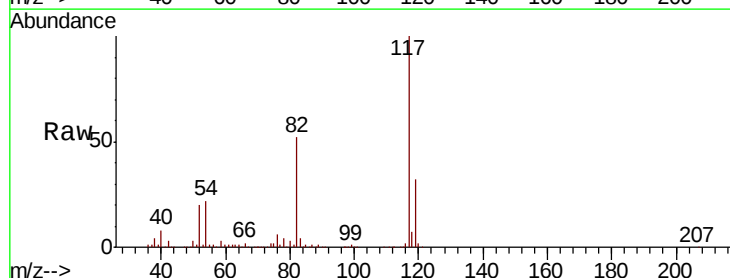
Instrument :
MSVOA_D
ClientSampleId :
VD1226SBL01

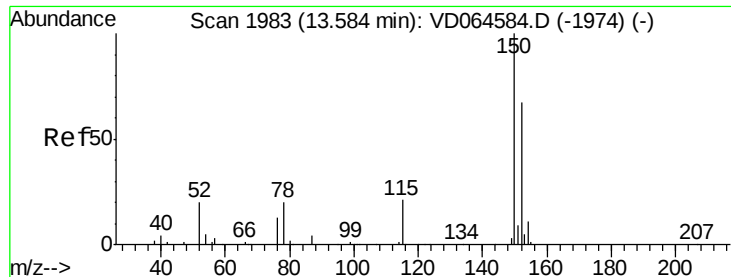
Tot Ion: 95 Resp: 357173
Ion Ratio Lower Upper
95 100
174 96.7 0.0 193.2
176 93.0 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064590.D
Acq: 26 Dec 2019 10:40

Tgt Ion: 117 Resp: 800483
Ion Ratio Lower Upper
117 100
82 51.7 42.2 63.4
119 32.0 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064590.D

Acq: 26 Dec 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBL01

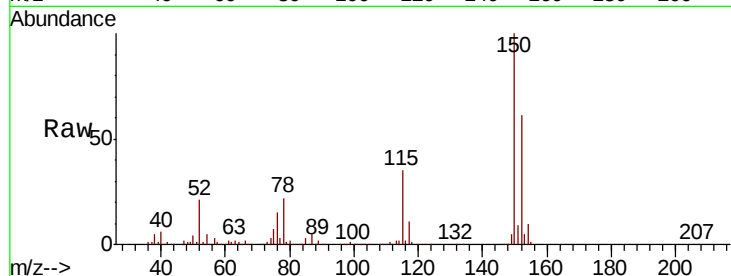
Tot Ion:152 Resp: 411061

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.4

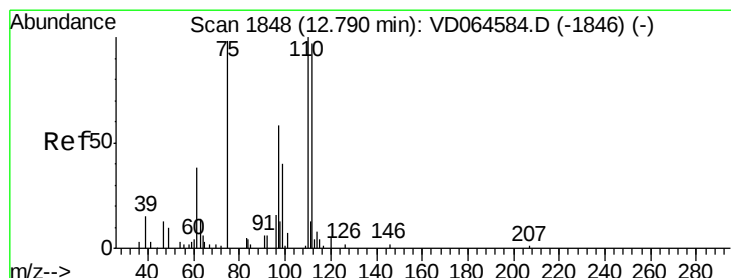
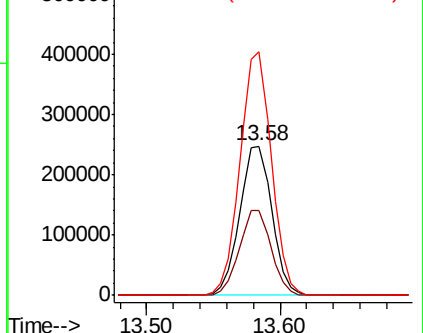
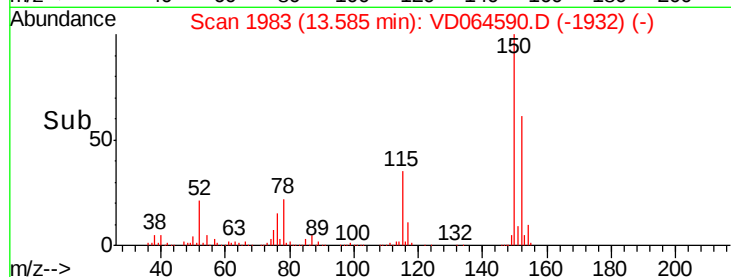
150 159.4 0.0 351.4



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: 58.691 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064590.D

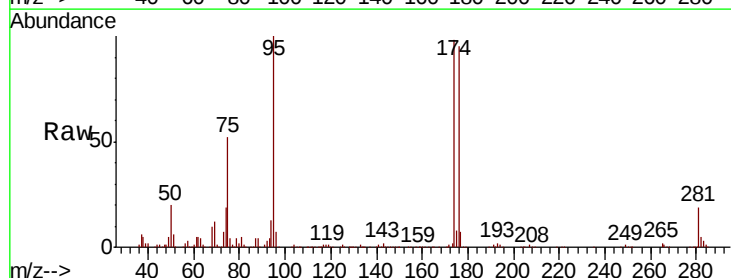
Acq: 26 Dec 2019 10:40

Tgt Ion: 75 Resp: 190512

Ion Ratio Lower Upper

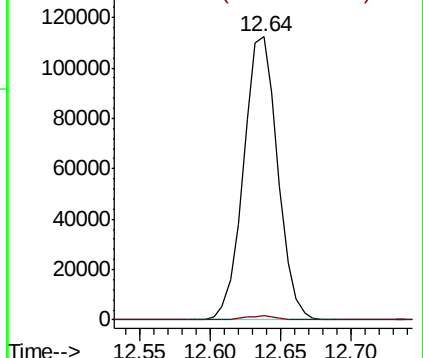
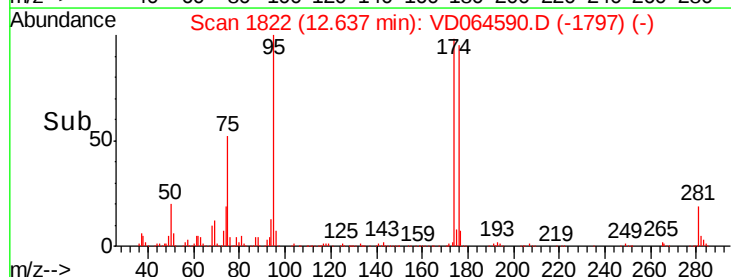
75 100

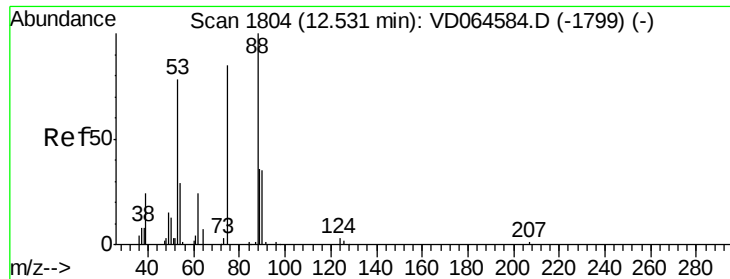
77 1.3 0.0 0.0#



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: 122.751 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064590.D

Acq: 26 Dec 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBL01

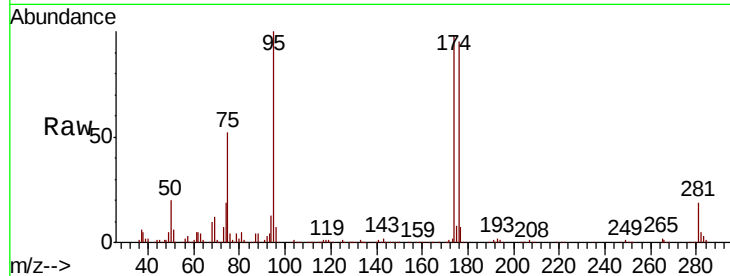
Tot Ion: 75 Resp: 190512

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.2 38.3 57.5#



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

