

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065260.D
 Acq On : 20 Feb 2020 17:27
 Operator : VA/SY
 Sample : L1604-05
 Misc : 8.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:04:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	521974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	857991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	727729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	270789	57.67	ug/l	0.00
Spiked Amount						
			Recovery	=	115.34%	
35) Dibromofluoromethane	7.92	113	275658	52.69	ug/l	0.00
Spiked Amount						
			Recovery	=	105.38%	
50) Toluene-d8	10.34	98	1024556	51.23	ug/l	0.00
Spiked Amount						
			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.64	95	280665	44.30	ug/l	0.00
Spiked Amount						
			Recovery	=	88.60%	

Target Compounds

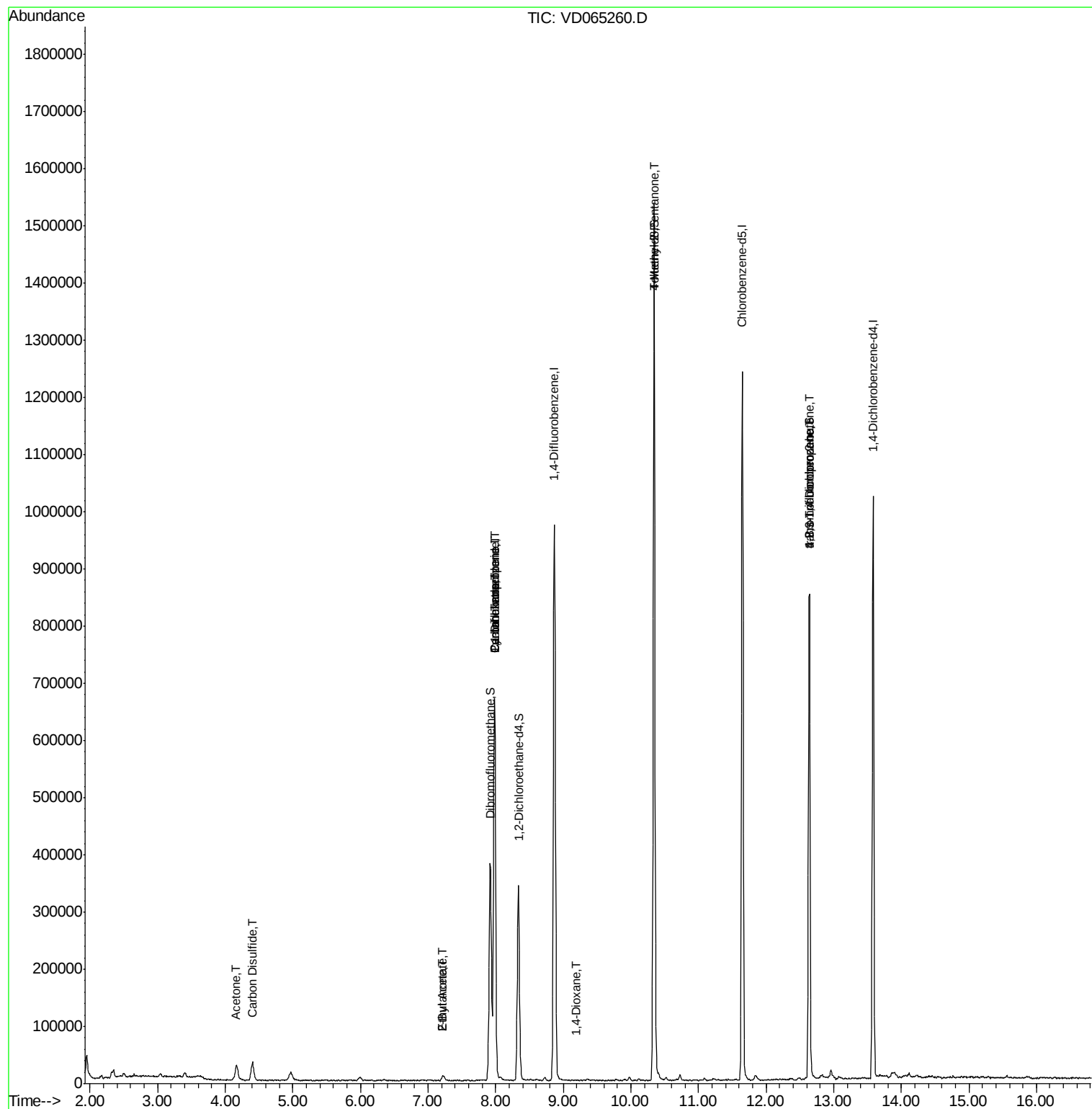
					Qvalue
13) Acrolein	3.92	56	179	Below Cal	# 58
16) Acetone	4.17	43	49380	43.019	ug/l 95
17) Carbon Disulfide	4.40	76	66636	4.107	ug/l 100
20) Methylene Chloride	4.97	84	11292	Below Cal	85
25) 2-Butanone	7.22	43	13969	9.619	ug/l # 85
31) Cyclohexane	7.98	56	10781	1.168	ug/l # 1
36) 1,1-Dichloropropene	7.98	75	36229	4.340	ug/l # 49
37) Ethyl Acetate	7.22	43	13969	4.003	ug/l # 69
38) Carbon Tetrachloride	7.98	117	48845	5.748	ug/l # 16
49) 1,4-Dioxane	9.20	88	57	1.612	ug/l # 22
51) 4-Methyl-2-Pentanone	10.34	43	4711	1.461	ug/l # 1
76) 1,2,3-Trichloropropane	12.64	75	141506	59.585	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.64	75	141506	128.654	ug/l # 11

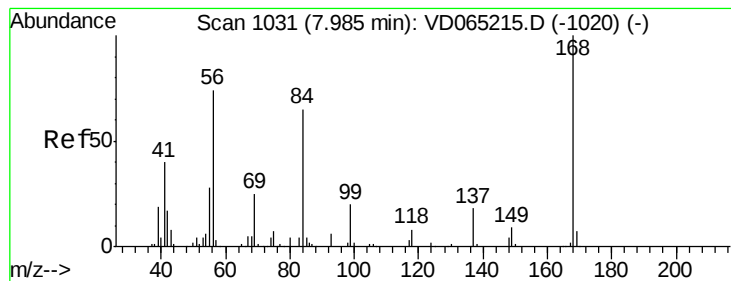
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022020\
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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065260.D

Acq: 20 Feb 2020 17:27

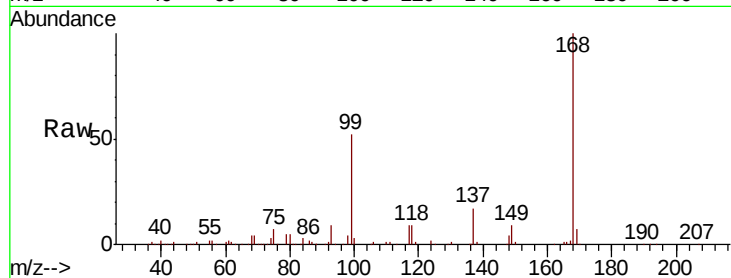
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 521974

Ion Ratio Lower Upper

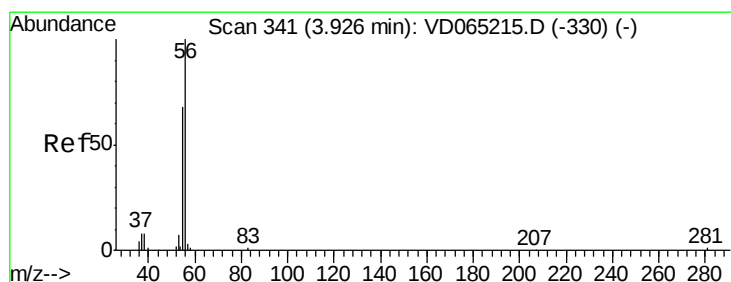
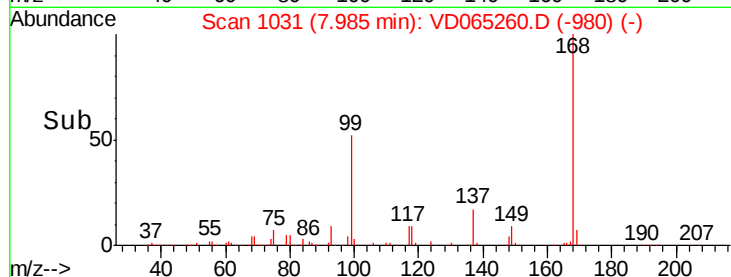
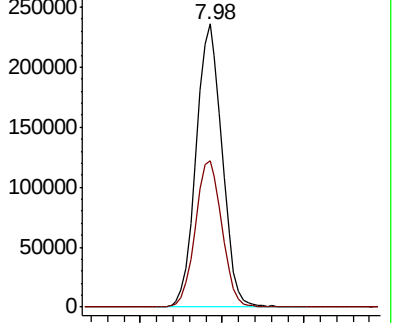
168 100

99 51.9 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065260.D

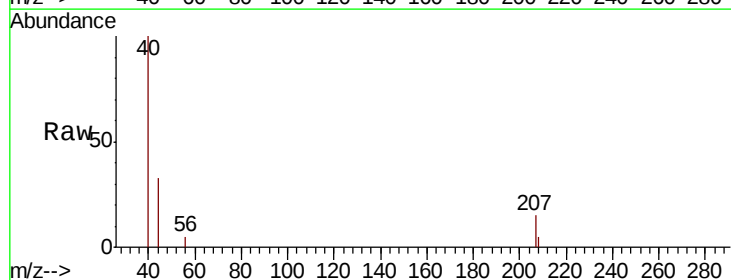
Acq: 20 Feb 2020 17:27

Tgt Ion: 56 Resp: 179

Ion Ratio Lower Upper

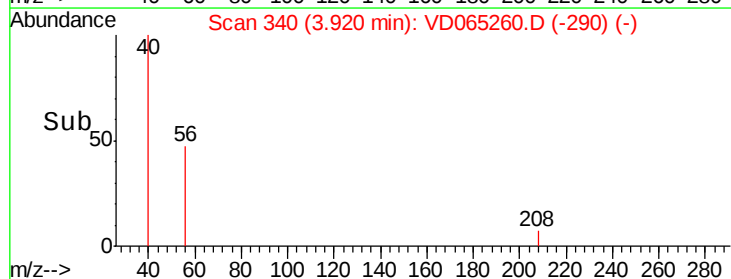
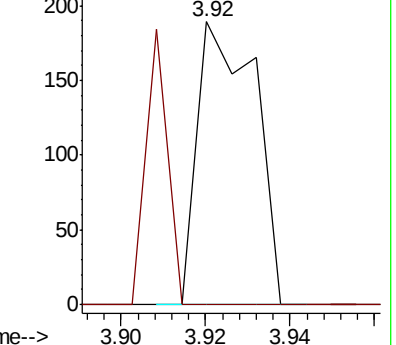
56 100

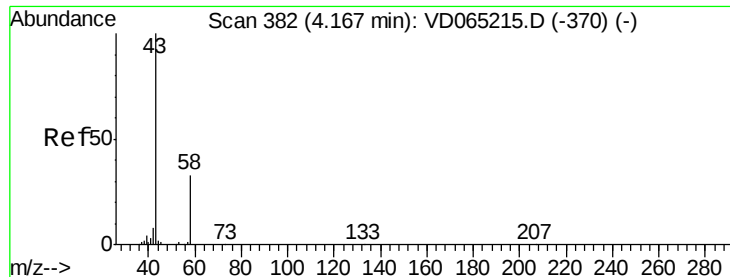
55 36.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 43.019 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065260.D

Acq: 20 Feb 2020 17:27

Instrument :

MSVOA_D

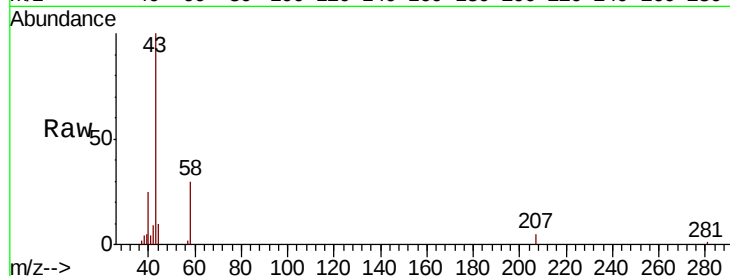
ClientSampleId :

Tot Ion: 43 Resp: 49380

Ion Ratio Lower Upper

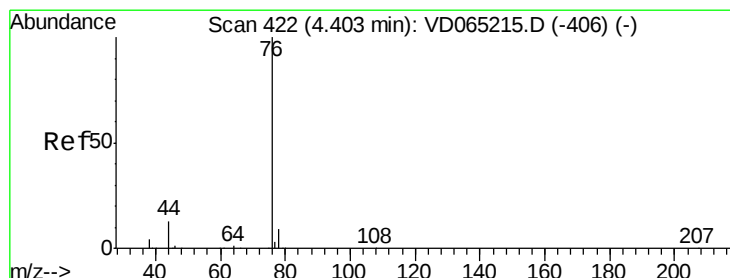
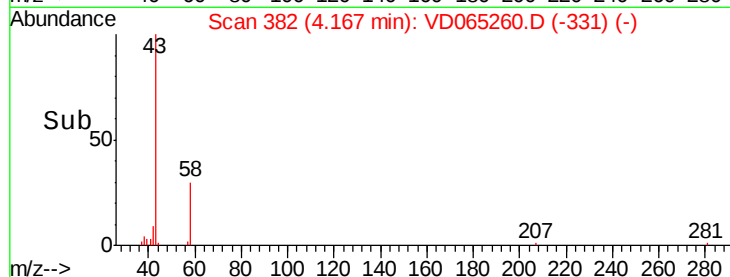
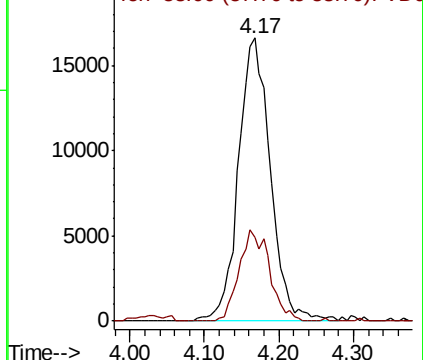
43 100

58 29.7 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 4.107 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065260.D

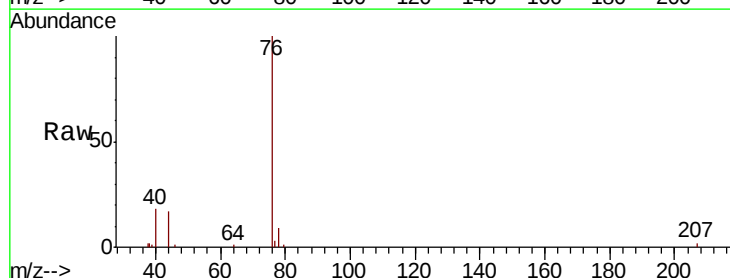
Acq: 20 Feb 2020 17:27

Tgt Ion: 76 Resp: 66636

Ion Ratio Lower Upper

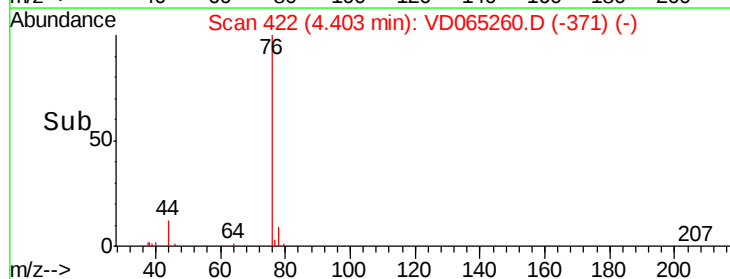
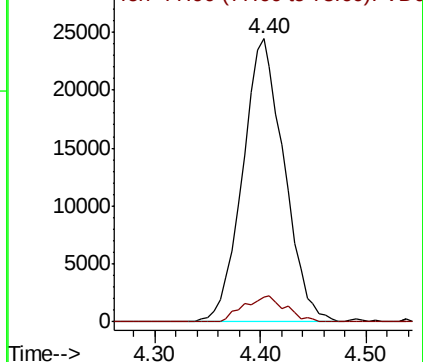
76 100

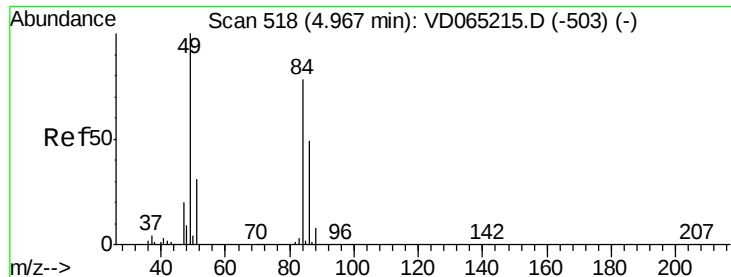
78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

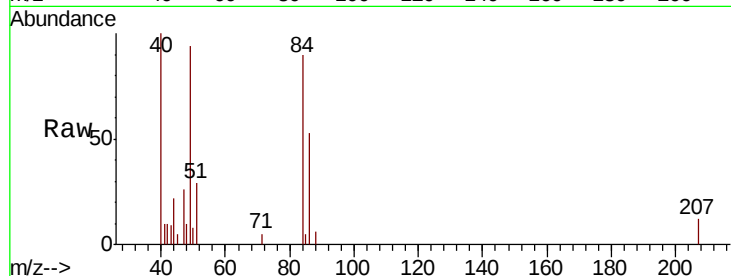




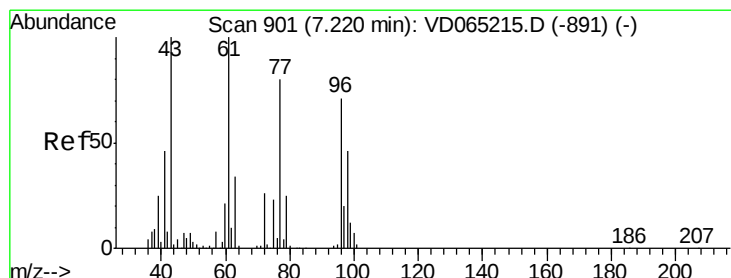
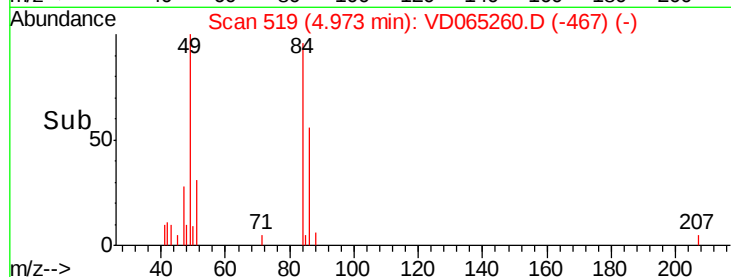
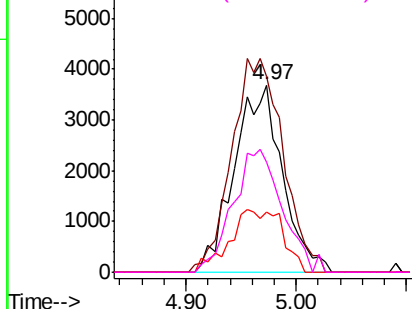
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065260.D
Acq: 20 Feb 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 11292
Ion Ratio Lower Upper
84 100
49 104.6 103.1 154.7
51 32.0 31.7 47.5
86 58.9 50.9 76.3

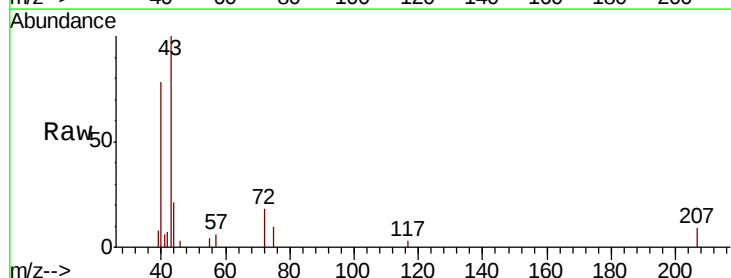


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

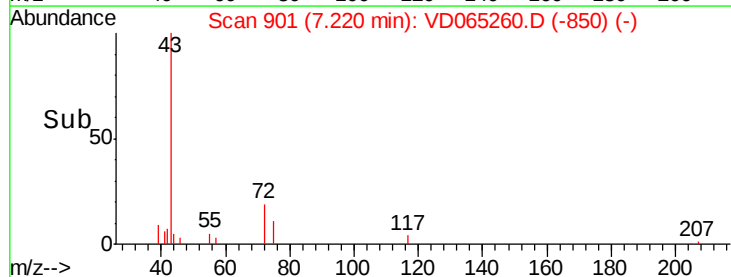
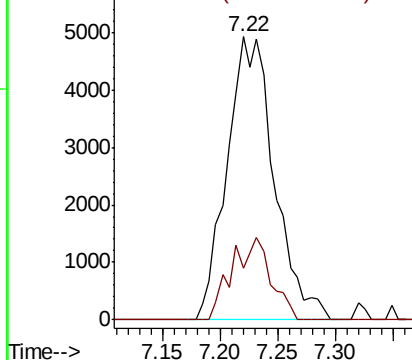


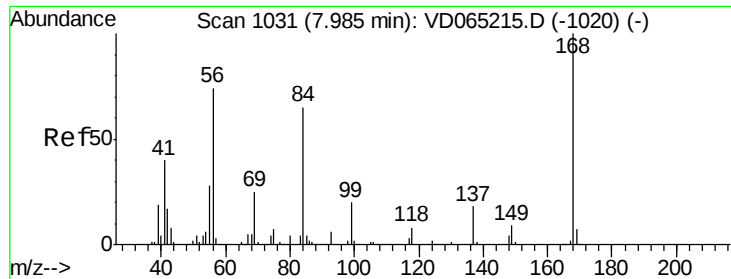
#25
2-Butanone
Concen: 9.619 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD065260.D
Acq: 20 Feb 2020 17:27

Tgt Ion: 43 Resp: 13969
Ion Ratio Lower Upper
43 100
72 18.2 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

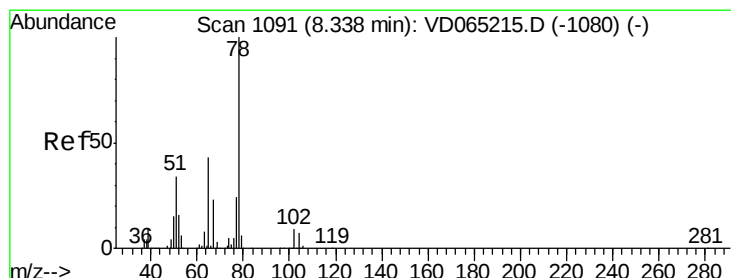
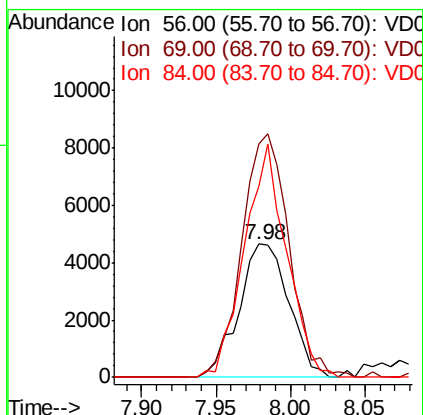
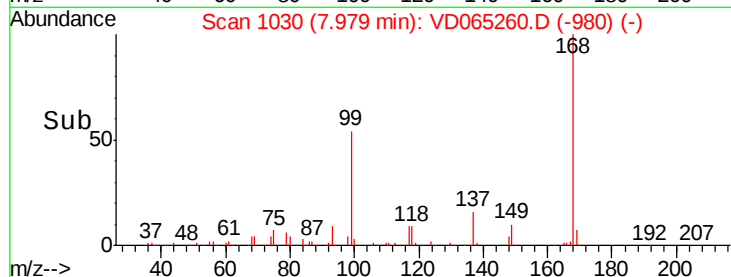
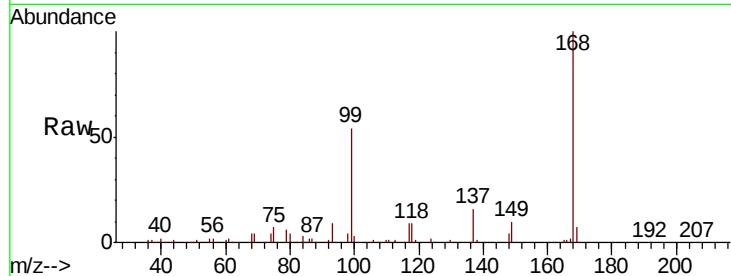




#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065260.D
Acq: 20 Feb 2020 17:27

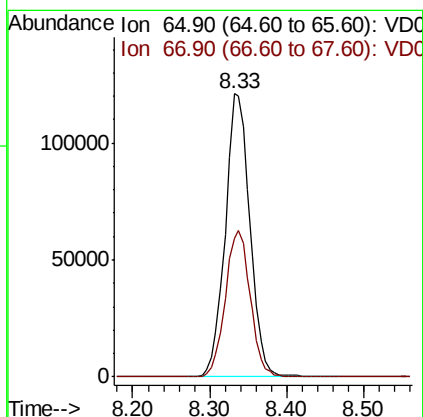
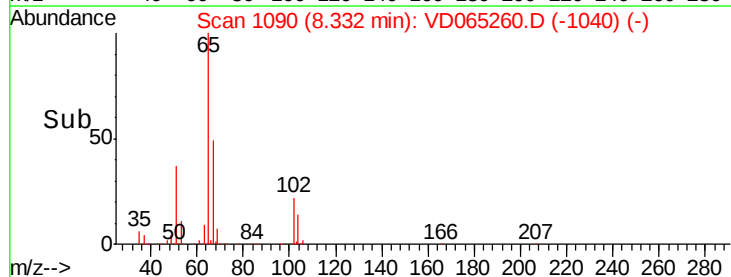
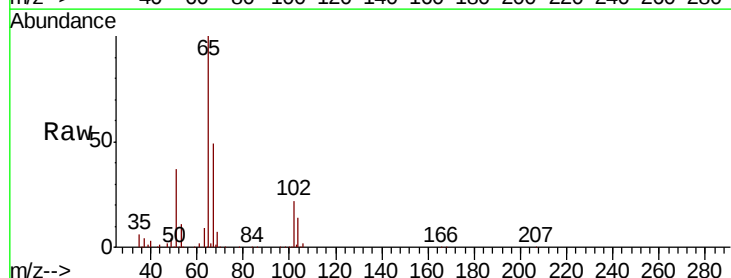
Instrument :
MSVOA_D
ClientSampled :

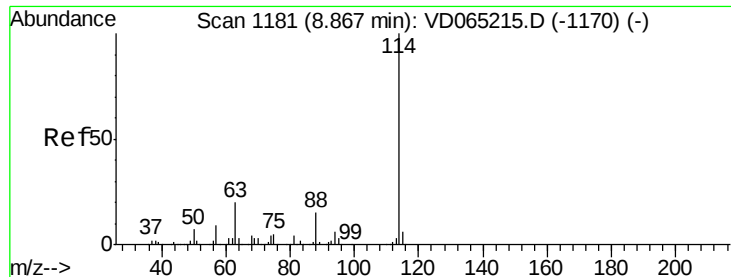
Tot Ion: 56 Resp: 10781
Ion Ratio Lower Upper
56 100
69 175.2 27.4 41.0#
84 143.5 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 57.667 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065260.D
Acq: 20 Feb 2020 17:27

Tgt Ion: 65 Resp: 270789
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

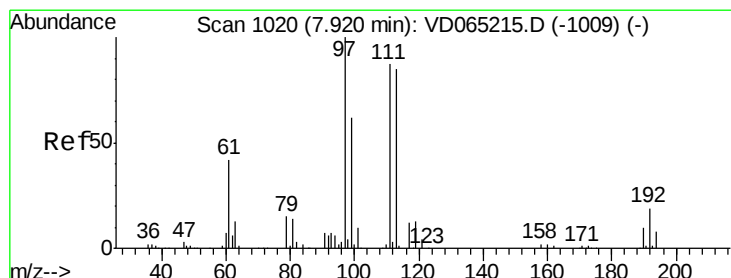
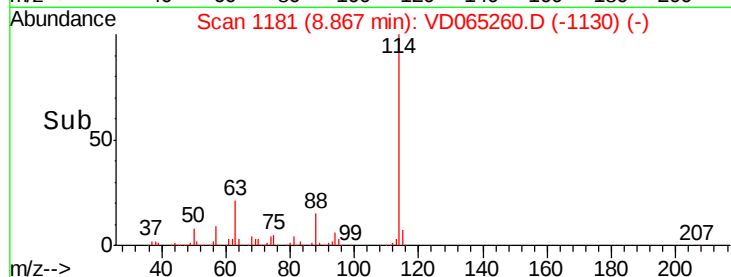
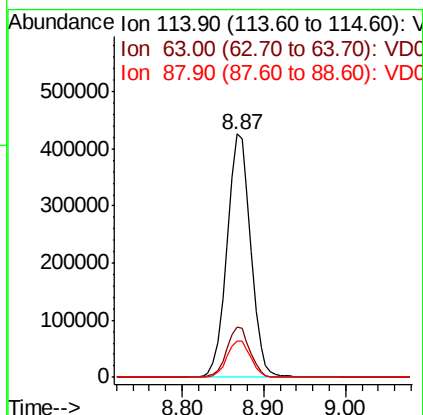
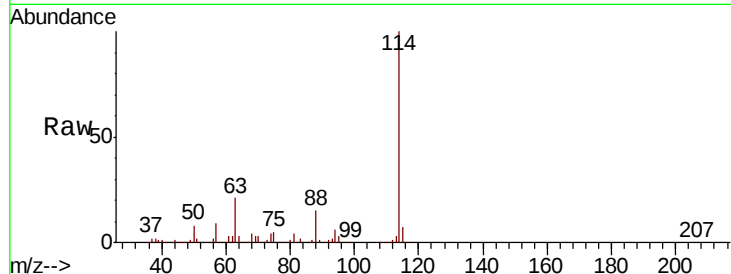




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065260.D
 Acq: 20 Feb 2020 17:27

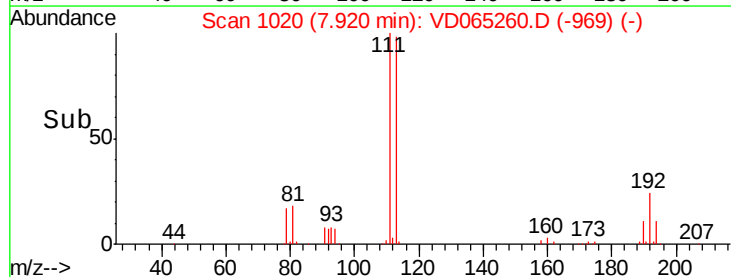
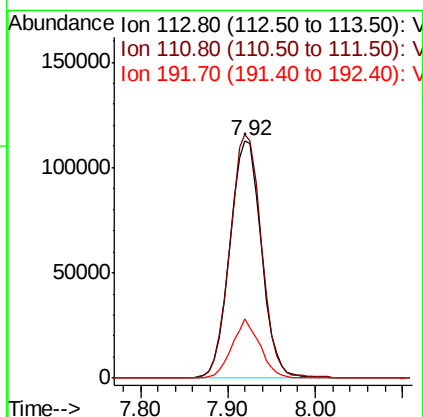
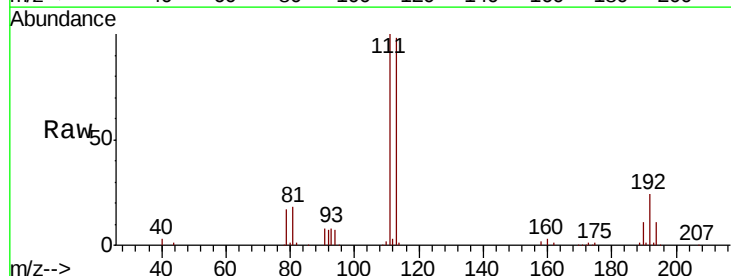
Instrument :
 MSVOA_D
 ClientSampled :

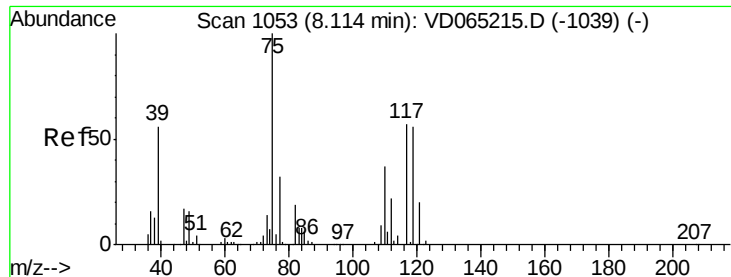
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.4
88	14.7	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 52.692 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065260.D
 Acq: 20 Feb 2020 17:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	22.0	17.3	25.9

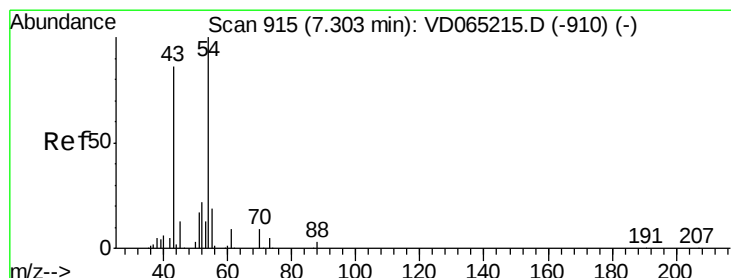
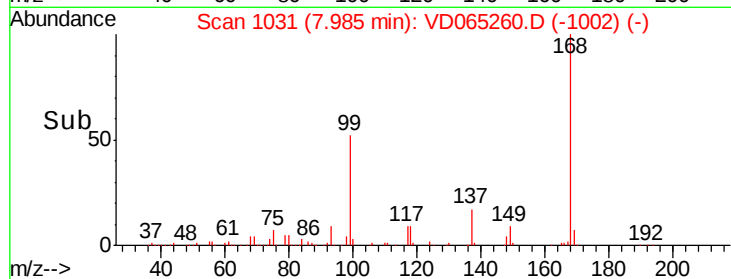
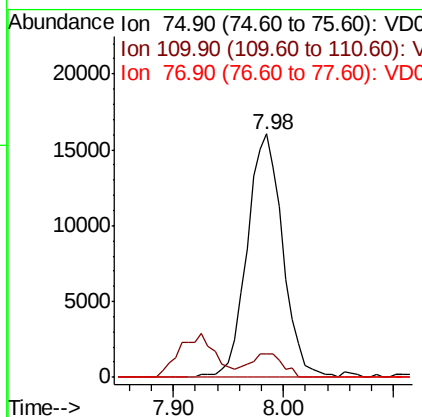
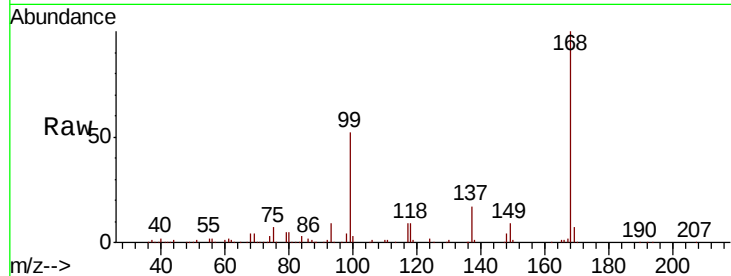




#36
 1,1-Dichloropropene
 Concen: 4.340 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065260.D
 Acq: 20 Feb 2020 17:27

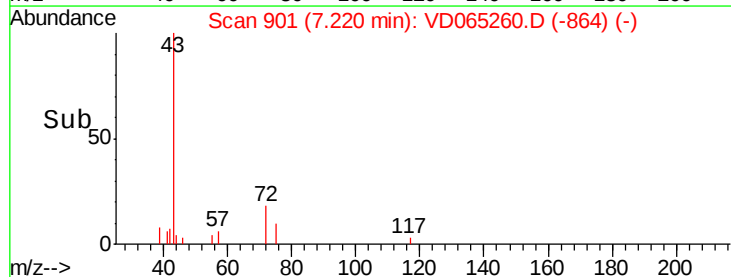
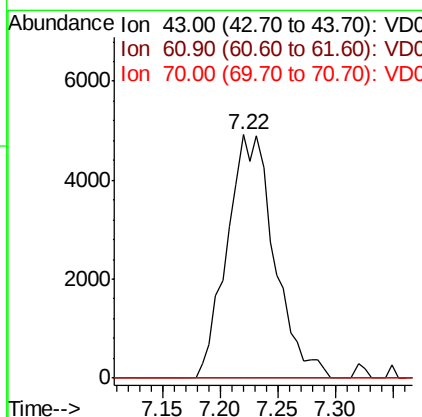
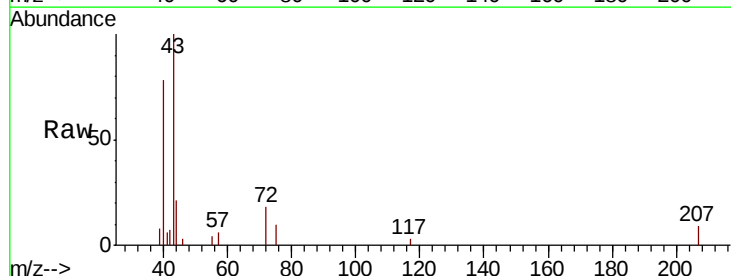
Instrument :
 MSVOA_D
 ClientSampled :

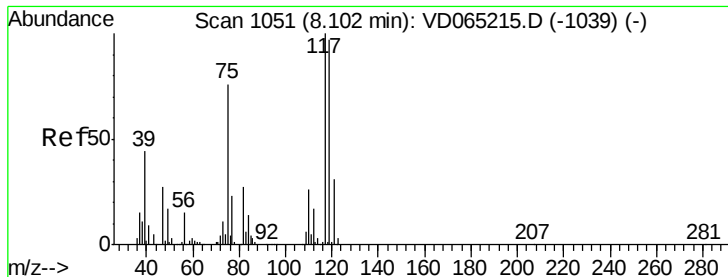
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.9	53.7#
77	0.0	25.1	37.7#



#37
 Ethyl Acetate
 Concen: 4.003 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. -0.08 min
 Lab File: VD065260.D
 Acq: 20 Feb 2020 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.2	12.2#





#38

Carbon Tetrachloride

Concen: 5.748 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD065260.D

Acq: 20 Feb 2020 17:27

Instrument :
MSVOA_D
ClientSampleId :

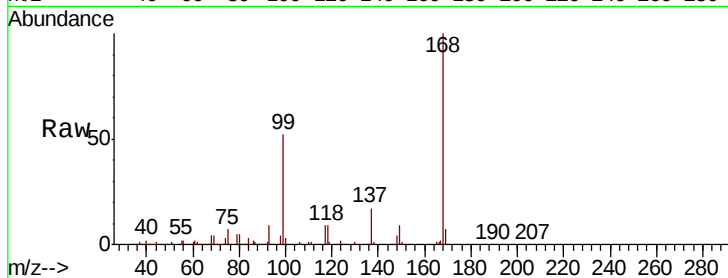
Tot Ion:117 Resp: 48845

Ion Ratio Lower Upper

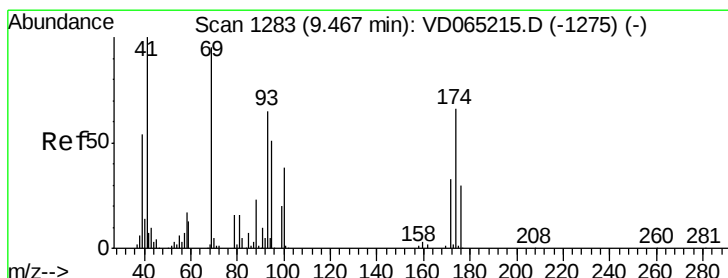
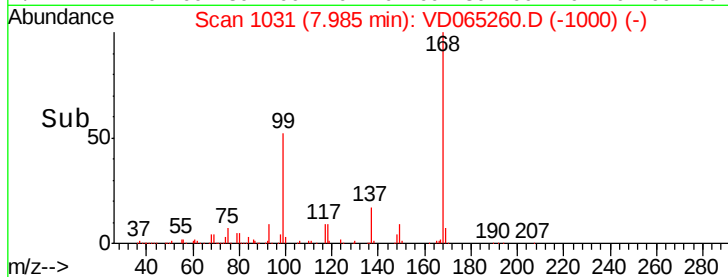
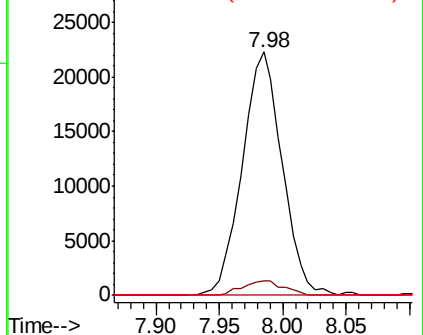
117 100

119 5.9 77.6 116.4#

121 0.0 24.8 37.2#



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



#49

1,4-Dioxane

Concen: 1.612 ug/l

RT: 9.20 min Scan# 1238

Delta R.T. -0.26 min

Lab File: VD065260.D

Acq: 20 Feb 2020 17:27

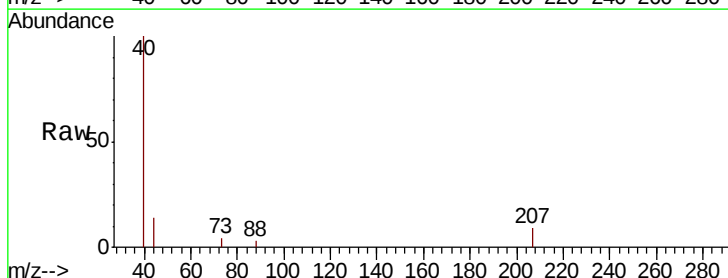
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

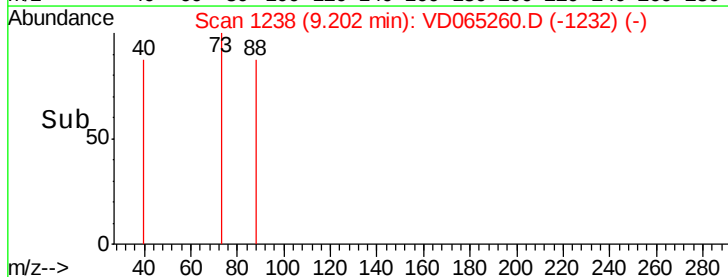
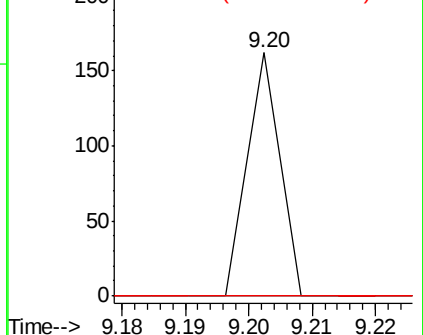
88 100

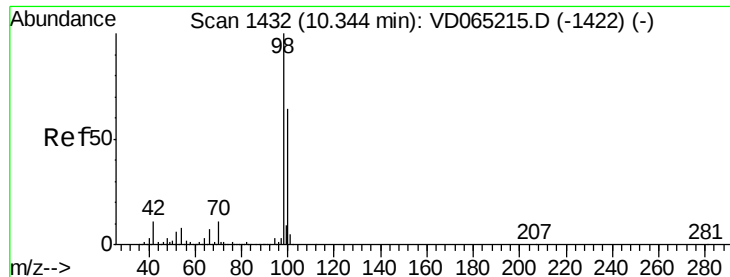
43 0.0 28.5 42.7#

58 0.0 58.6 87.8#



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: 51.229 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065260.D

Acq: 20 Feb 2020 17:27

Instrument :

MSVOA_D

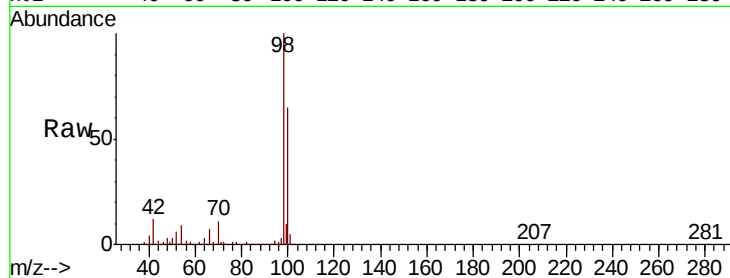
ClientSampleId :

Tot Ion: 98 Resp: 1024556

Ion Ratio Lower Upper

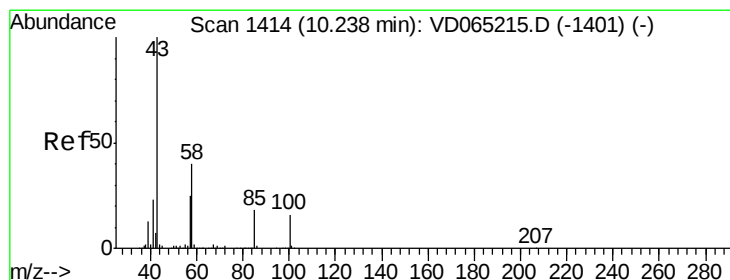
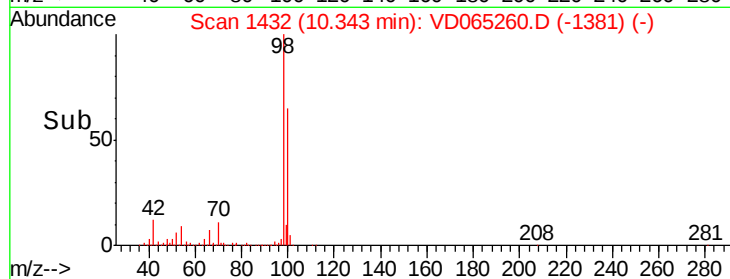
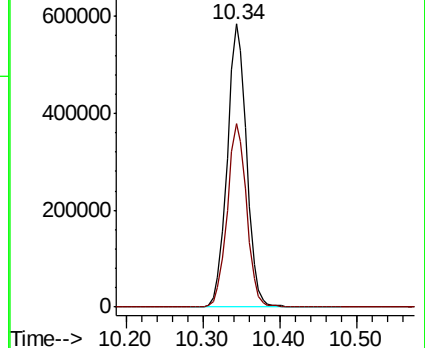
98 100

100 64.9 52.0 78.0



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: 1.461 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065260.D

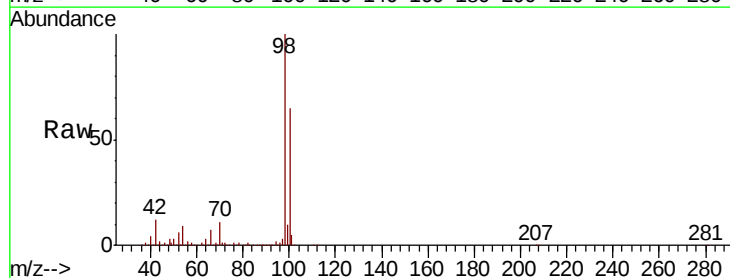
Acq: 20 Feb 2020 17:27

Tgt Ion: 43 Resp: 4711

Ion Ratio Lower Upper

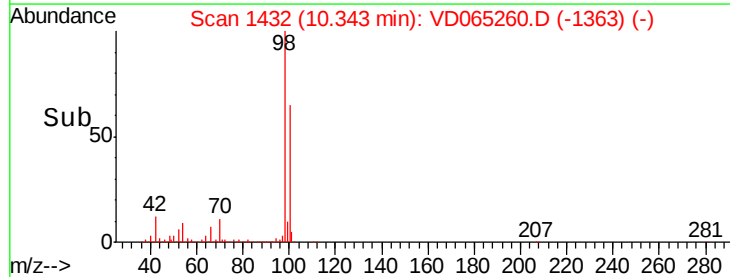
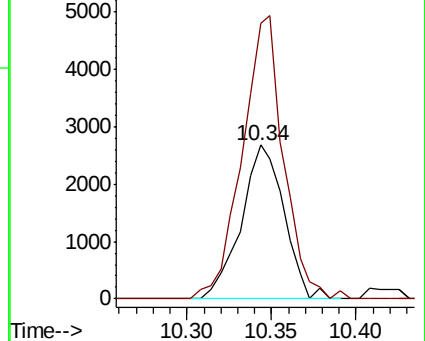
43 100

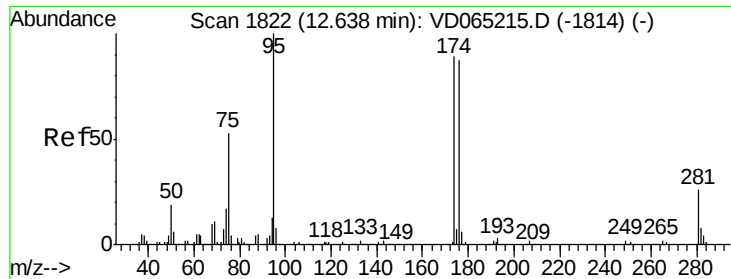
58 178.8 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

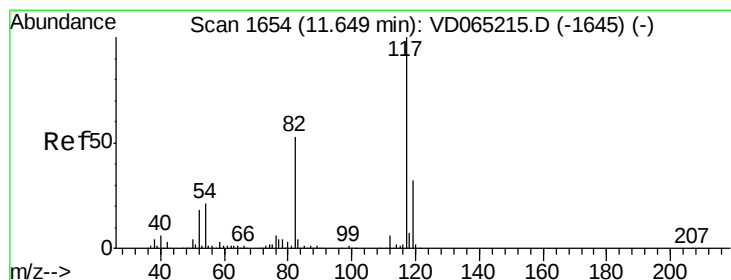
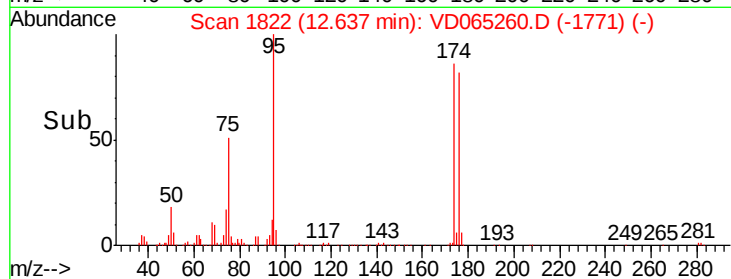
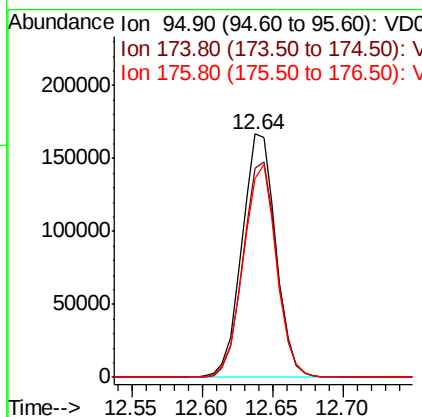
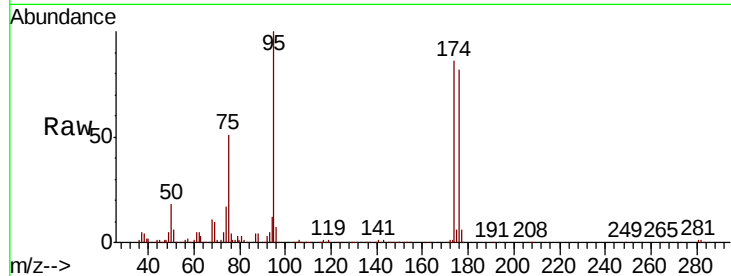




#62
4-Bromofluorobenzene
Concen: 44.299 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065260.D
Acq: 20 Feb 2020 17:27

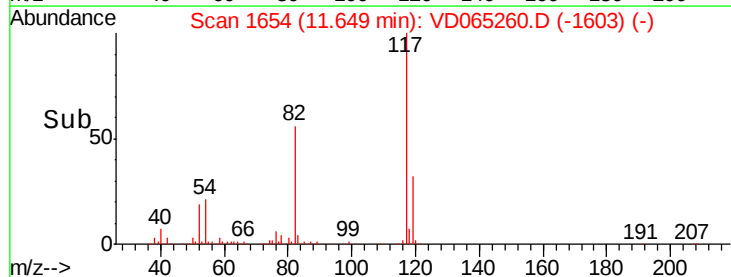
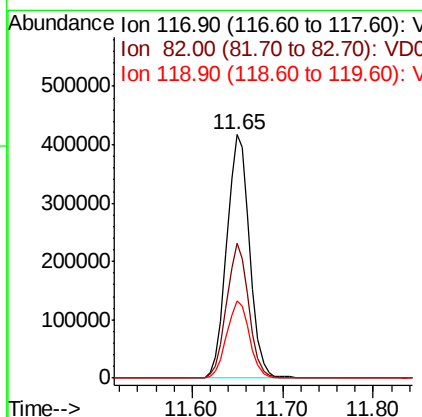
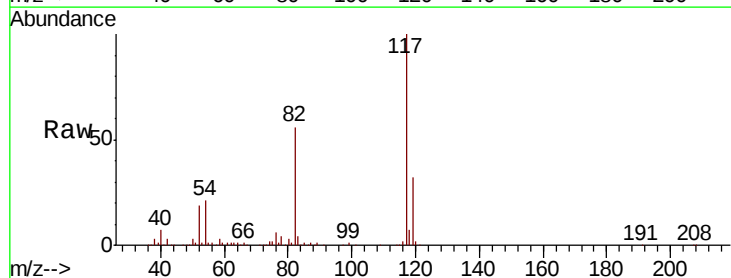
Instrument :
MSVOA_D
ClientSampleId :

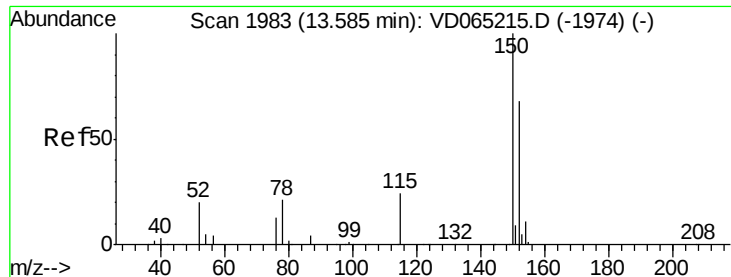
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	178.0
176	85.5	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065260.D
Acq: 20 Feb 2020 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	42.7	64.1
119	31.8	25.5	38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065260.D

Acq: 20 Feb 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

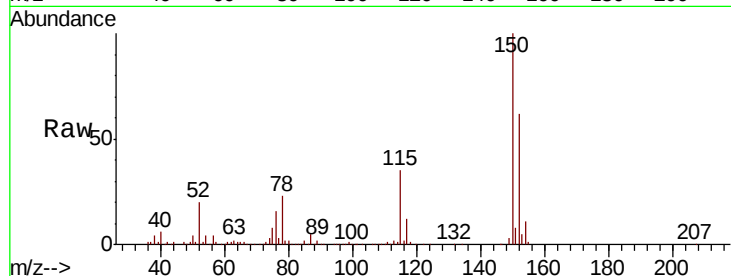
Tot Ion:152 Resp: 279125

Ion Ratio Lower Upper

152 100

115 55.6 27.6 82.8

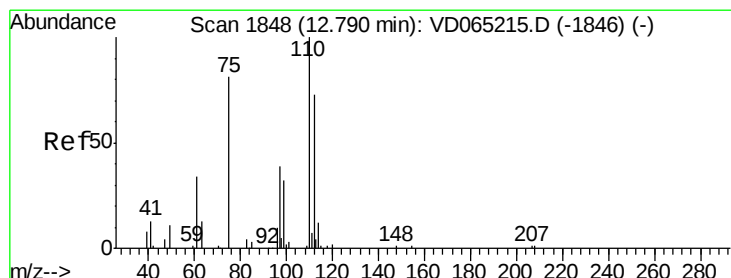
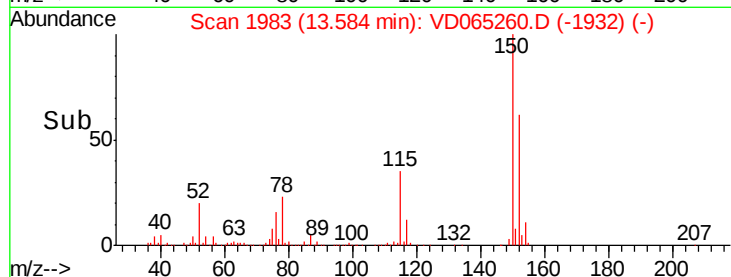
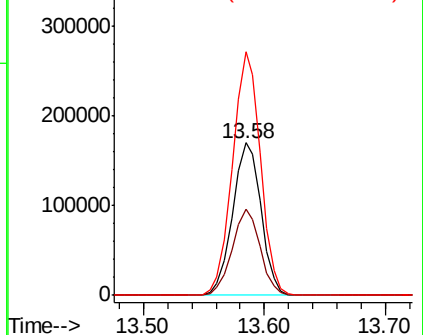
150 156.6 0.0 347.4



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: 59.585 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065260.D

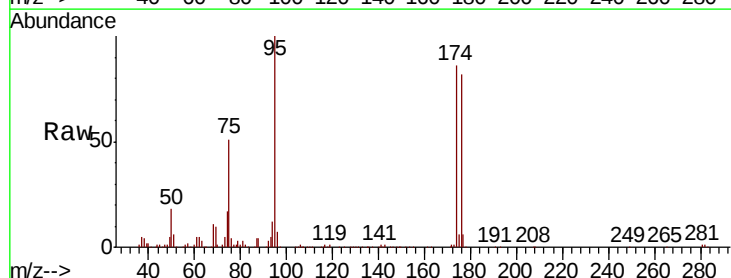
Acq: 20 Feb 2020 17:27

Tgt Ion: 75 Resp: 141506

Ion Ratio Lower Upper

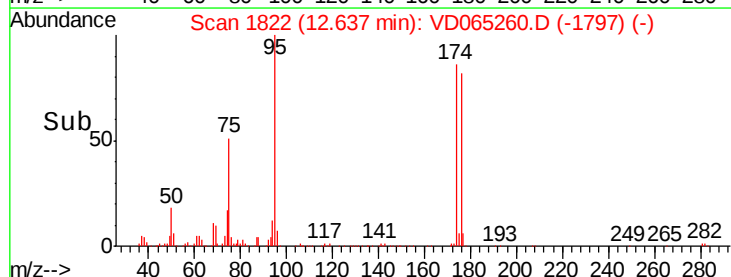
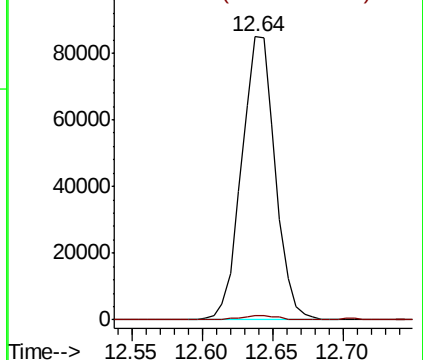
75 100

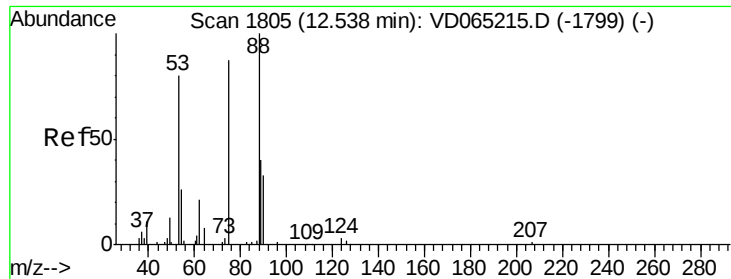
77 1.6 0.0 0.0#



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: 128.654 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065260.D

Acq: 20 Feb 2020 17:27

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 141506

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.2 55.8#

