

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065280.D
 Acq On : 21 Feb 2020 17:29
 Operator : VA/SY
 Sample : L1635-08
 Misc : 5.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 22 02:25:22 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	38000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	59605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	60243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	26564	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	32061	93.79	ug/l	0.00
Spiked Amount			Recovery	=	187.58%	
35) Dibromofluoromethane	7.92	113	24673	67.89	ug/l	0.00
Spiked Amount			Recovery	=	135.78%	
50) Toluene-d8	10.34	98	72719	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	12.64	95	22222	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

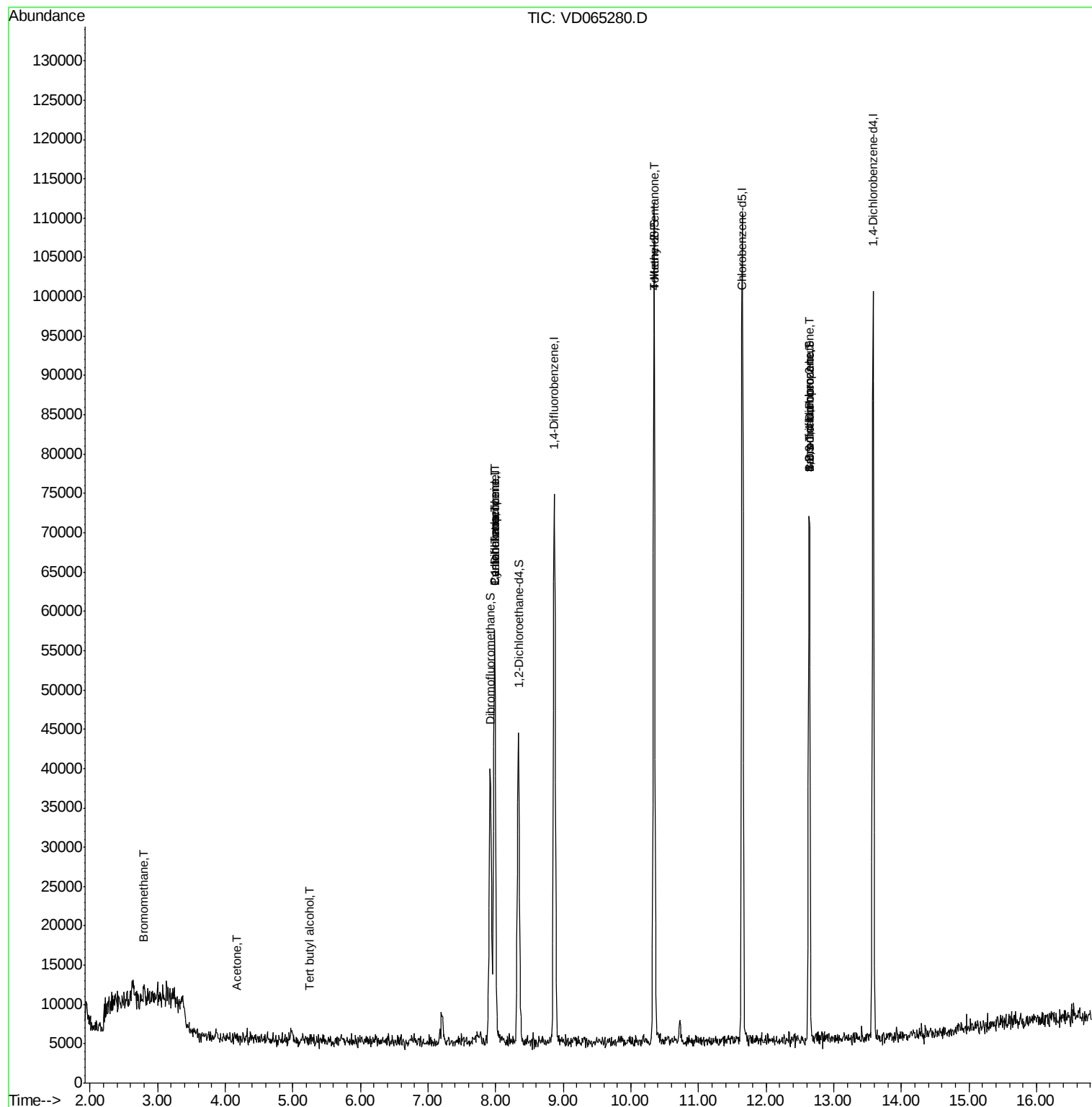
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	283	1.135	ug/l #	23
11) Tert butyl alcohol	5.25	59	66	3.231	ug/l #	72
16) Acetone	4.16	43	440	5.265	ug/l #	42
20) Methylene Chloride	4.95	84	256	Below Cal	#	44
31) Cyclohexane	7.99	56	877	1.305	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	3063	5.281	ug/l #	45
38) Carbon Tetrachloride	7.98	117	3521	5.964	ug/l #	12
51) 4-Methyl-2-Pentanone	10.35	43	346	1.545	ug/l #	1
71) Bromoform	12.64	173	359	1.434	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	10630	47.032	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	10630	101.551	ug/l #	11

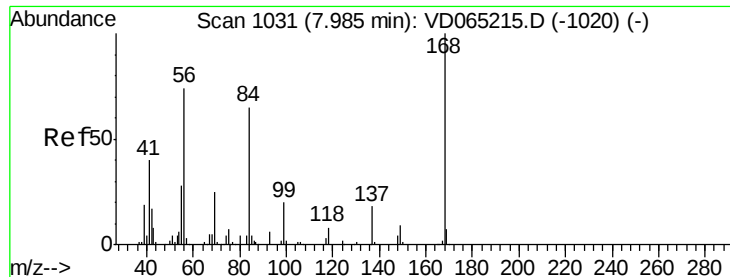
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
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: VD065280.D

Acq: 21 Feb 2020 17:29

Instrument :

MSVOA_D

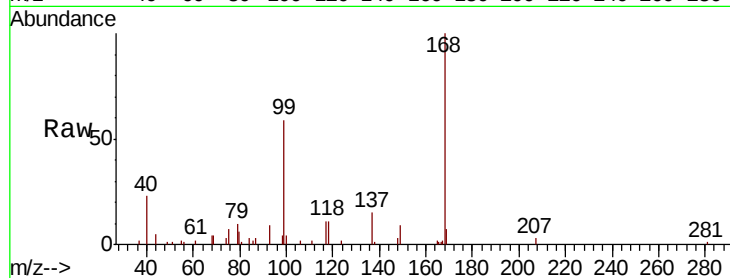
ClientSampleId :

Tot Ion:168 Resp: 38000

Ion Ratio Lower Upper

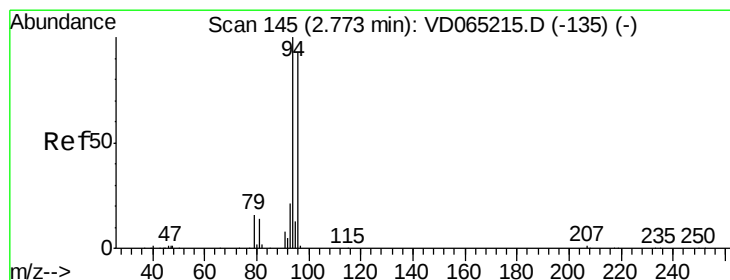
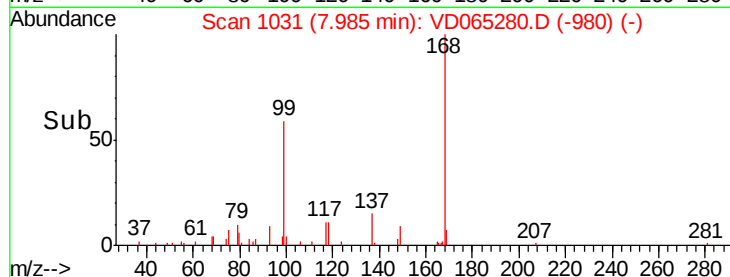
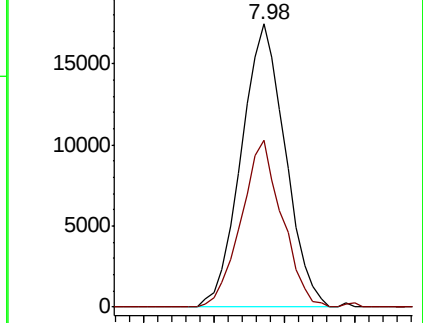
168 100

99 58.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: 1.135 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065280.D

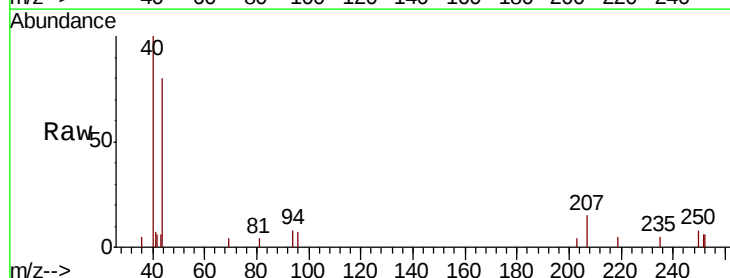
Acq: 21 Feb 2020 17:29

Tgt Ion: 94 Resp: 283

Ion Ratio Lower Upper

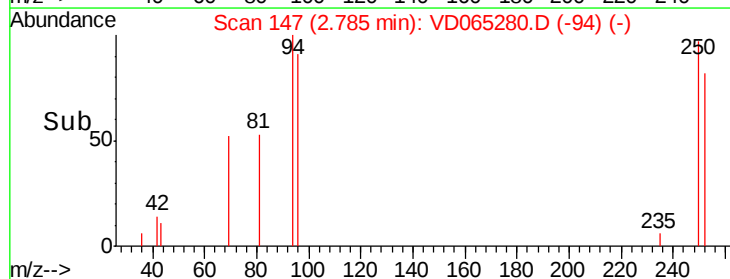
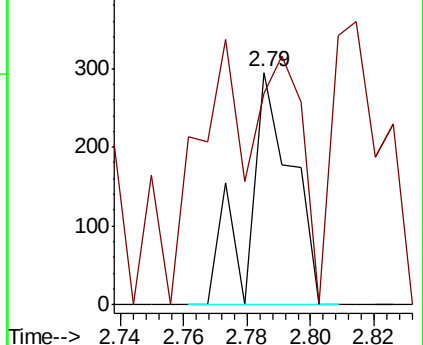
94 100

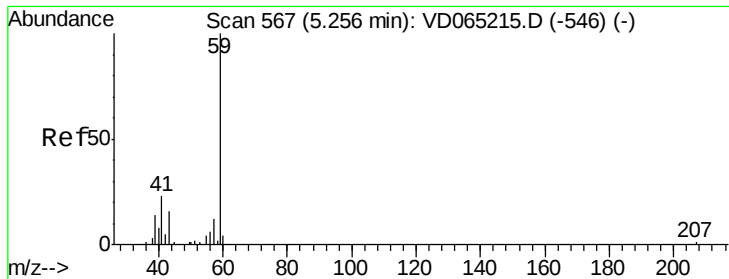
96 19.0 74.2 111.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



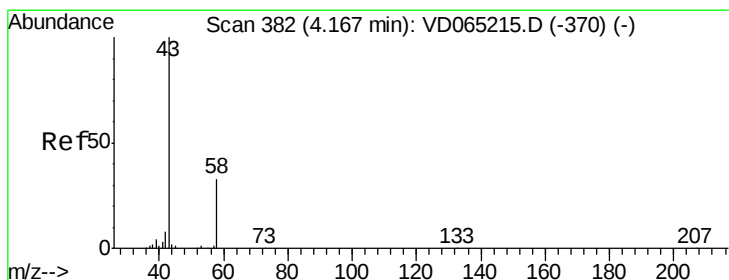
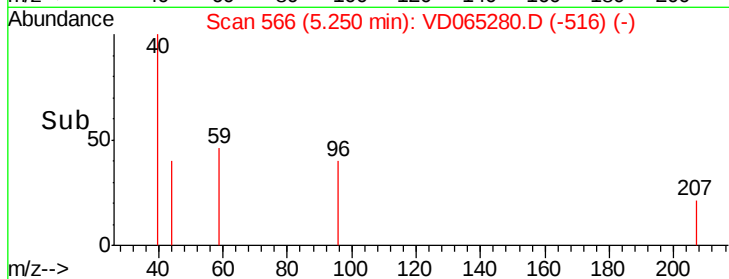
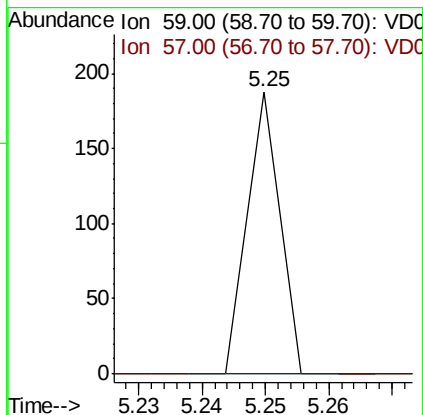
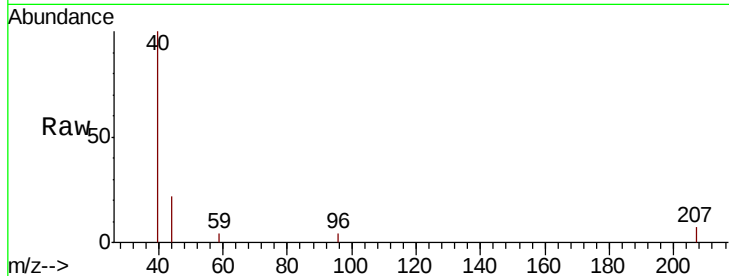


#11

Tert butyl alcohol
 Concen: 3.231 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD065280.D
 Acq: 21 Feb 2020 17:29

Instrument :
 MSVOA_D
 ClientSampleId :

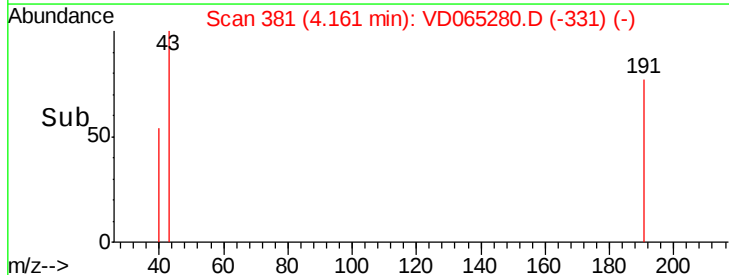
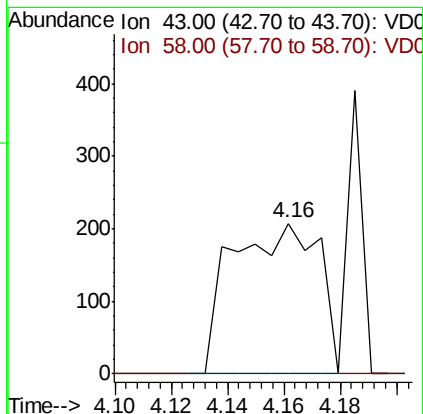
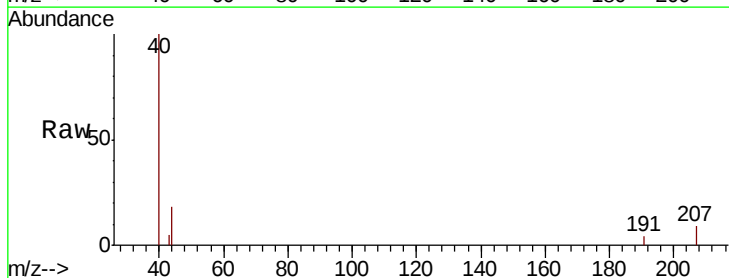
Tot Ion: 59 Resp: 66
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

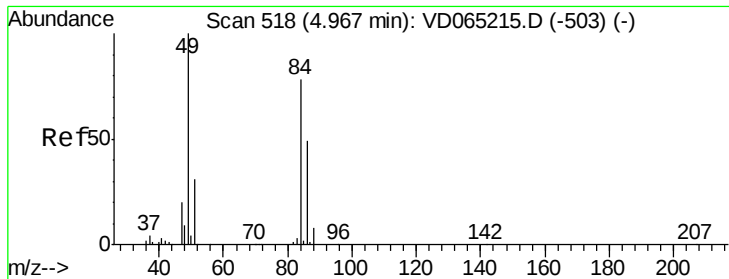


#16

Acetone
 Concen: 5.265 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD065280.D
 Acq: 21 Feb 2020 17:29

Tgt Ion: 43 Resp: 440
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.2#



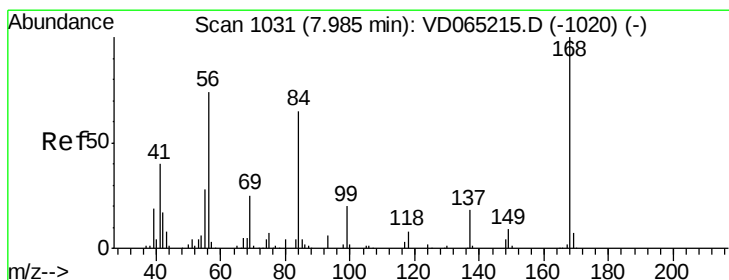
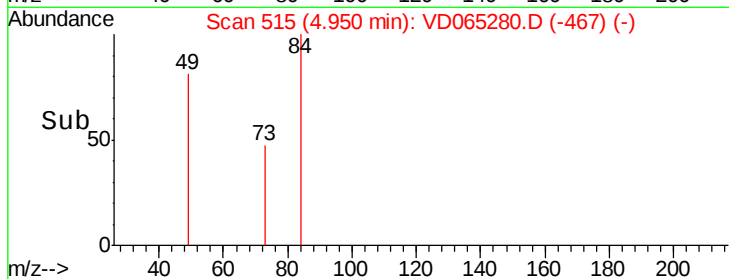
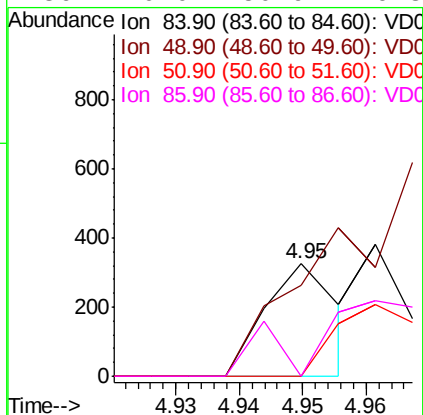
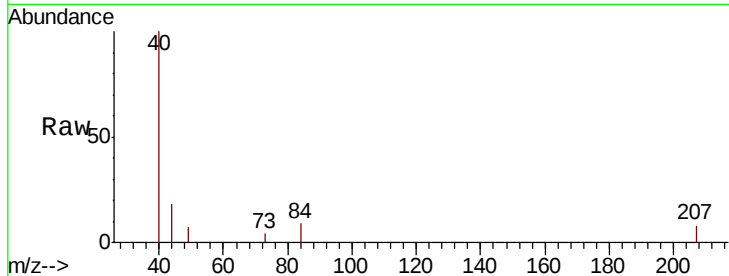


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.95 min Scan# 515
 Delta R.T. -0.02 min
 Lab File: VD065280.D
 Acq: 21 Feb 2020 17:29

Instrument :
 MSVOA_D
 ClientSampleID :

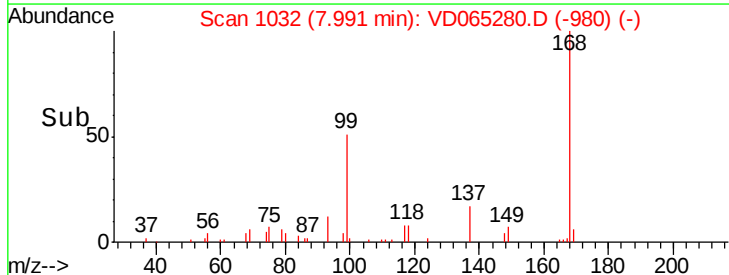
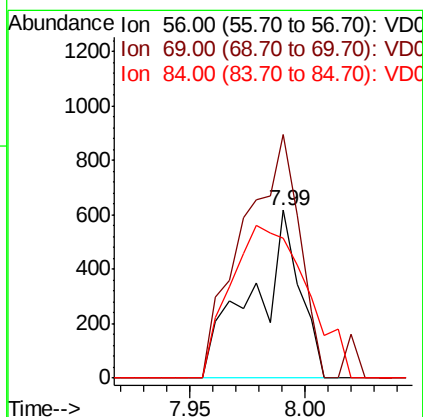
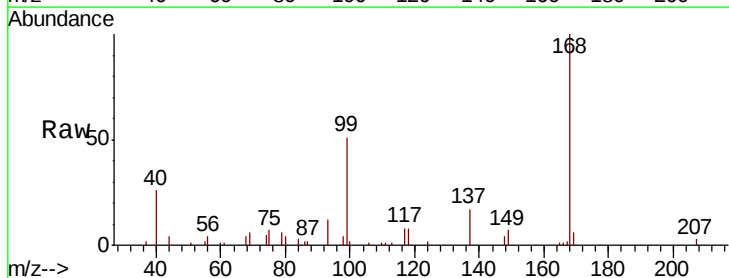
Tot Ion	84	Resp	256
Ion	Ratio	Lower	Upper
84	100		
49	80.6	103.1	154.7#
51	0.0	31.7	47.5#
86	0.0	50.9	76.3#

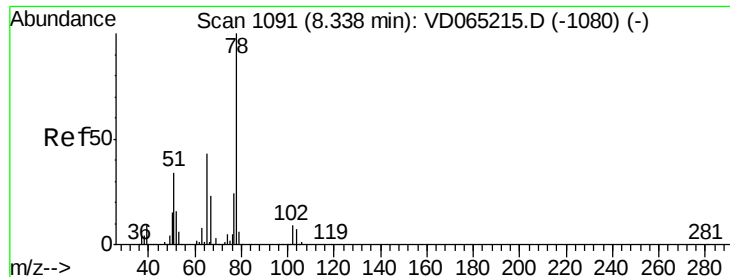


#31

Cyclohexane
 Concen: 1.305 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VD065280.D
 Acq: 21 Feb 2020 17:29

Tgt Ion	56	Resp	877
Ion	Ratio	Lower	Upper
56	100		
69	145.0	27.4	41.0#
84	83.0	71.1	106.7





#33

1,2-Dichloroethane-d4

Concen: 93.786 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065280.D

Acq: 21 Feb 2020 17:29

Instrument :

MSVOA_D

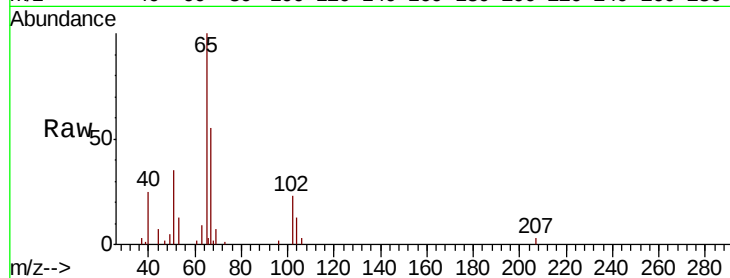
ClientSampleId :

Tot Ion: 65 Resp: 32061

Ion Ratio Lower Upper

65 100

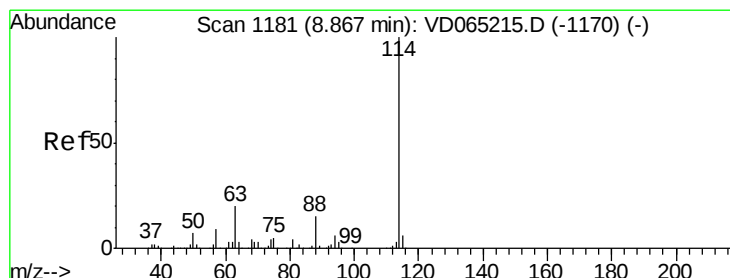
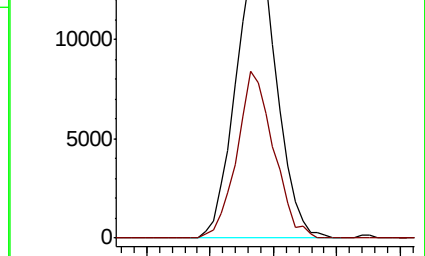
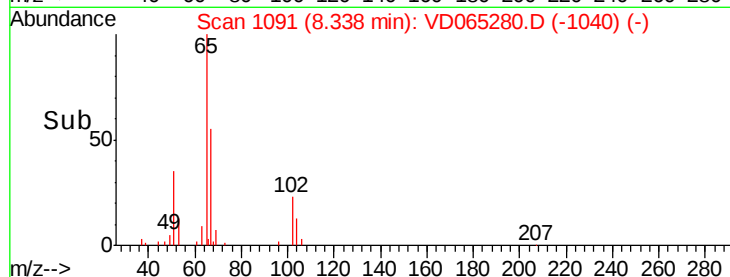
67 52.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD065280.D

Acq: 21 Feb 2020 17:29

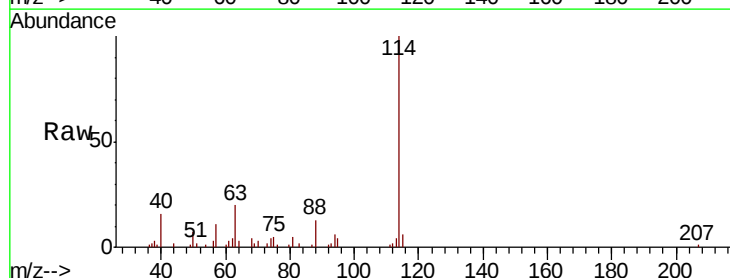
Tgt Ion:114 Resp: 59605

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

88 13.2 0.0 30.4

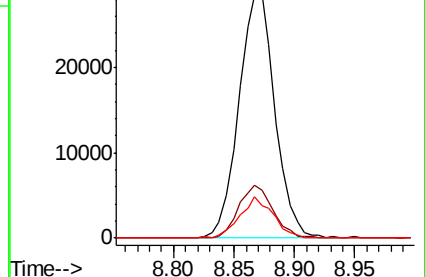
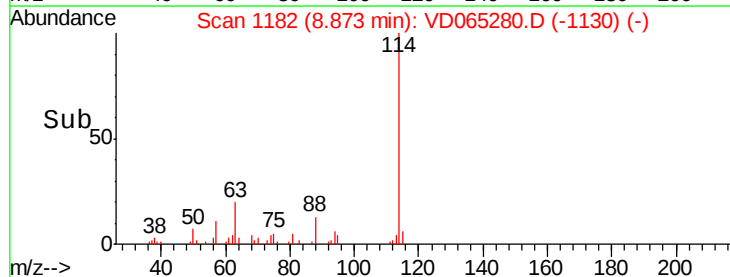


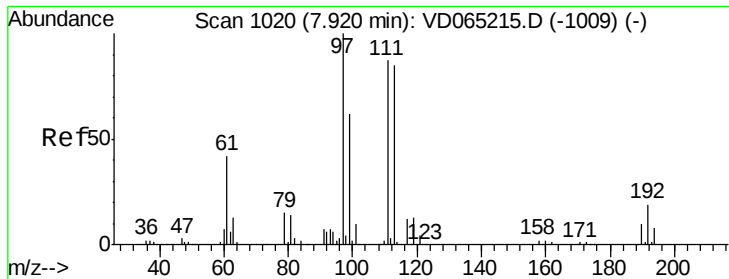
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

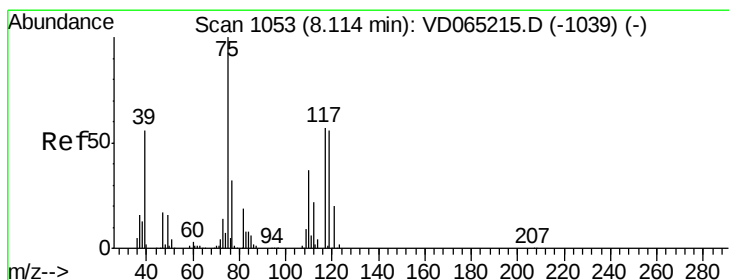
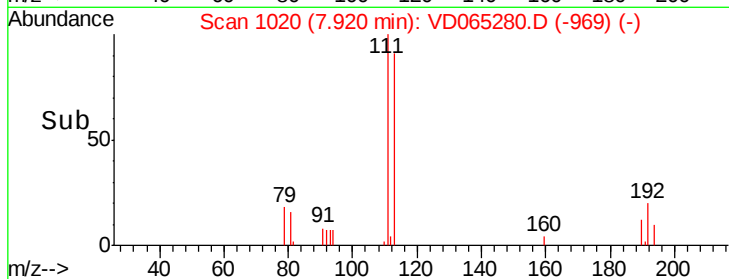
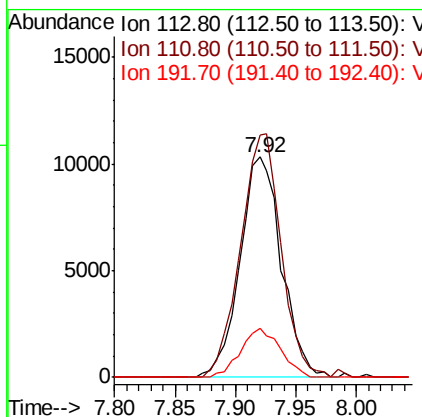
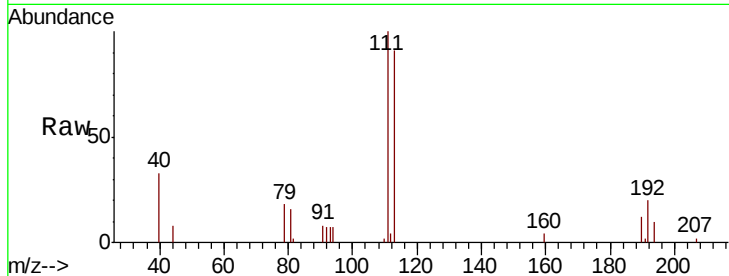




#35
 Dibromofluoromethane
 Concen: 67.888 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065280.D
 Acq: 21 Feb 2020 17:29

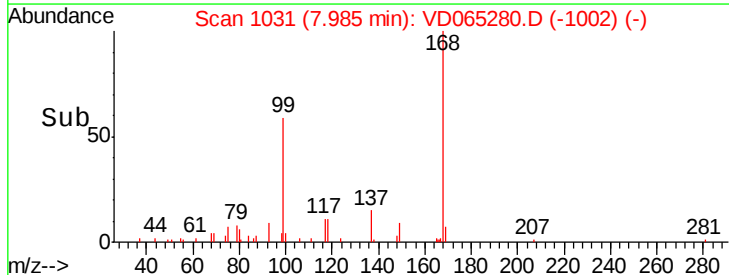
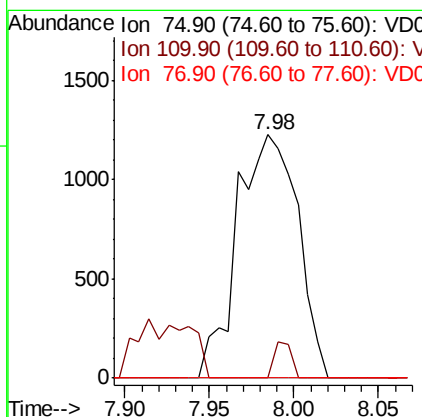
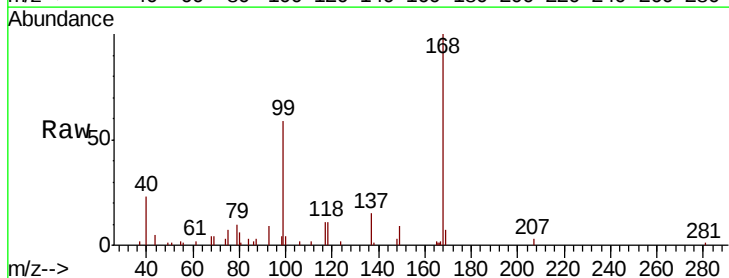
Instrument :
 MSVOA_D
 ClientSampleId :

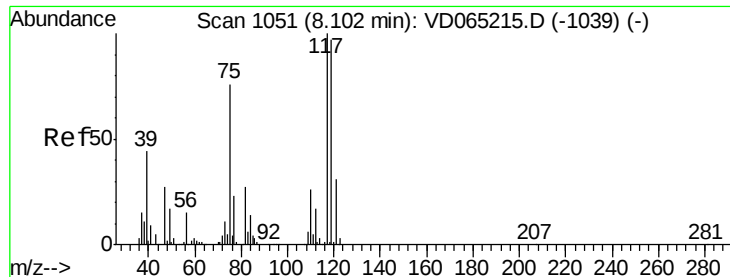
Tot Ion	Ratio	Lower	Upper
113	100		
111	108.1	82.9	124.3
192	21.4	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.281 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065280.D
 Acq: 21 Feb 2020 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.1	17.9	53.7#
77	0.0	25.1	37.7#

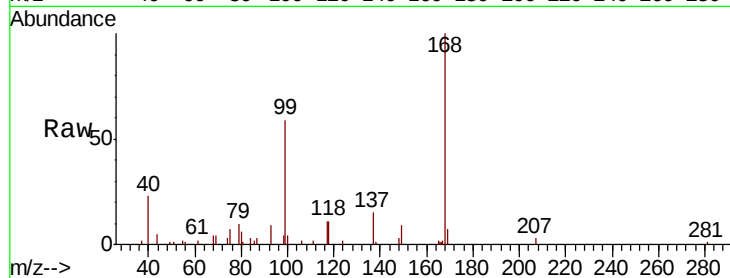




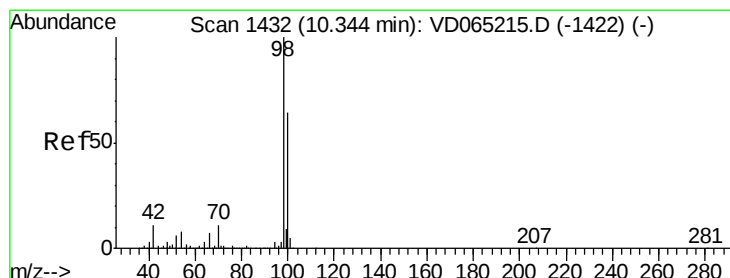
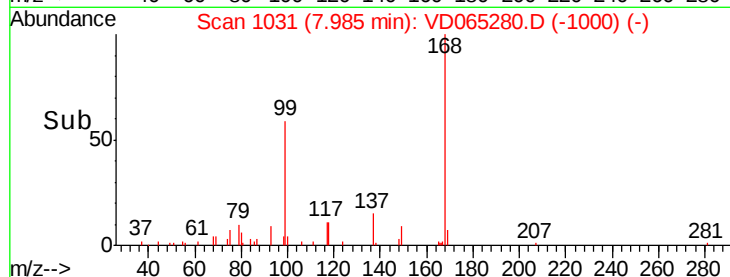
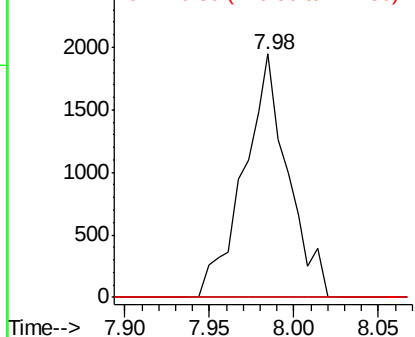
#38
Carbon Tetrachloride
Concen: 5.964 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065280.D
Acq: 21 Feb 2020 17:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 3521
Ion Ratio Lower Upper
117 100
119 0.0 77.6 116.4#
121 0.0 24.8 37.2#

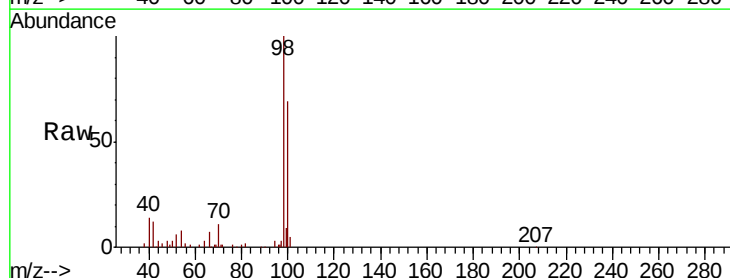


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

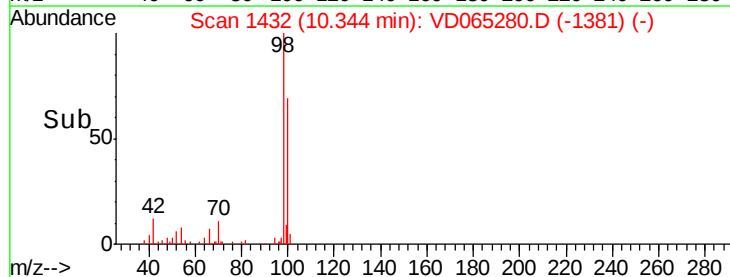
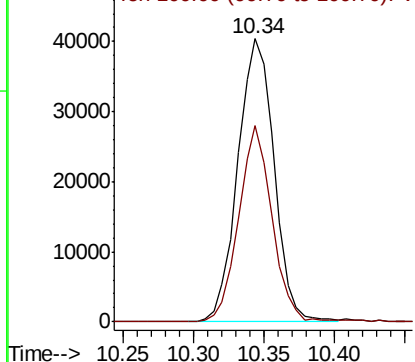


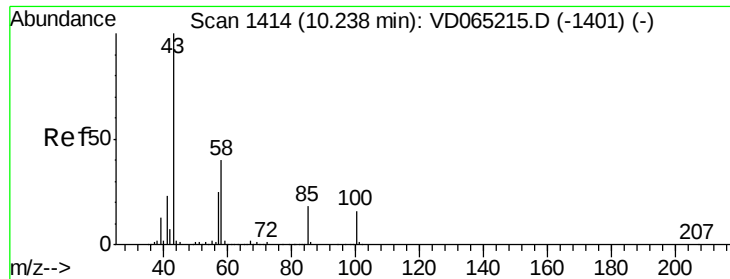
#50
Toluene-d8
Concen: 52.339 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065280.D
Acq: 21 Feb 2020 17:29

Tgt Ion: 98 Resp: 72719
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



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

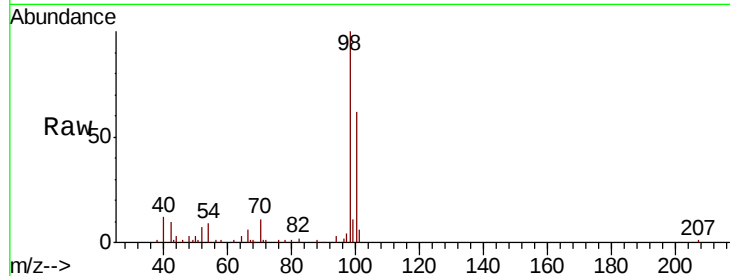




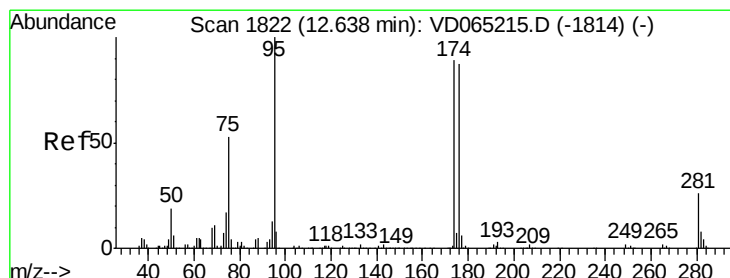
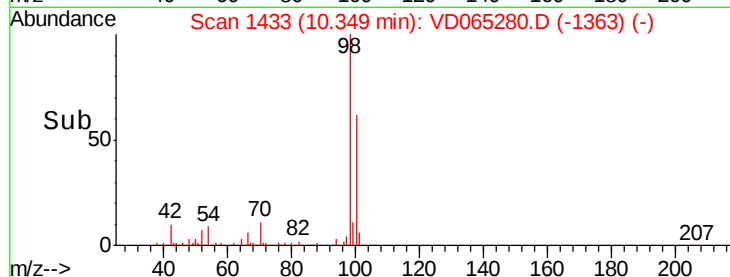
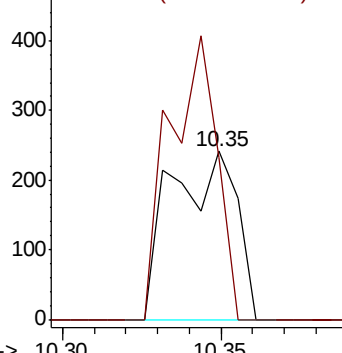
#51
4-Methyl-2-Pentanone
Concen: 1.545 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.11 min
Lab File: VD065280.D
Acq: 21 Feb 2020 17:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
58 121.4 31.1 46.7#

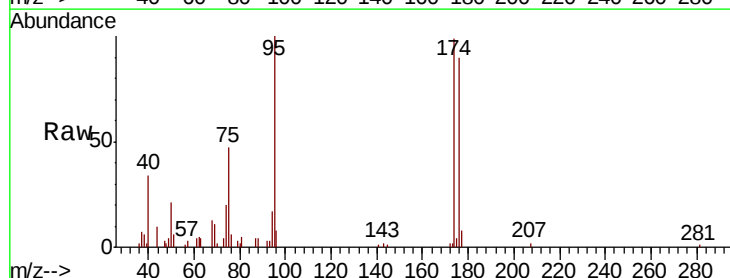


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

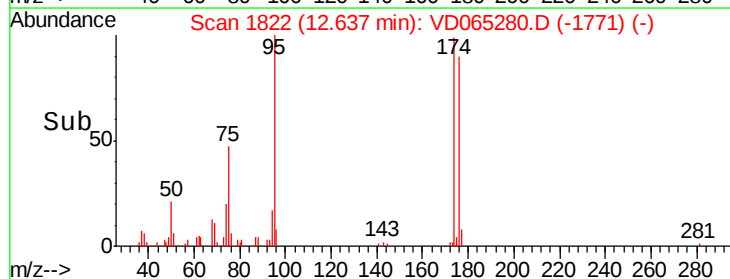
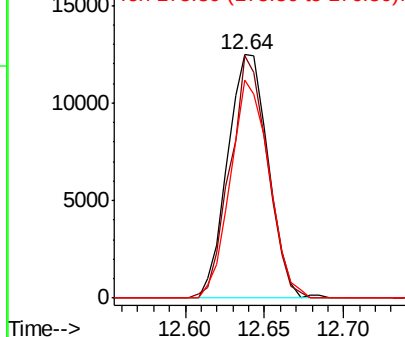


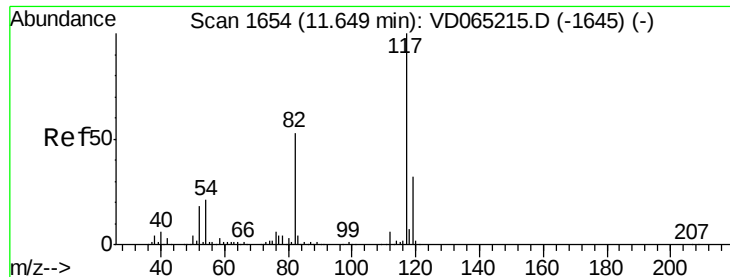
#62
4-Bromofluorobenzene
Concen: 50.488 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065280.D
Acq: 21 Feb 2020 17:29

Tgt Ion: 95 Resp: 22222
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.0
176 85.2 0.0 174.4



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

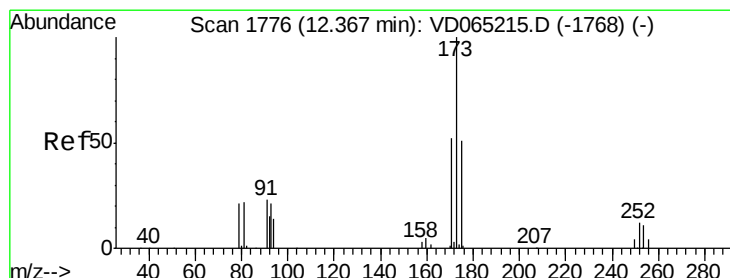
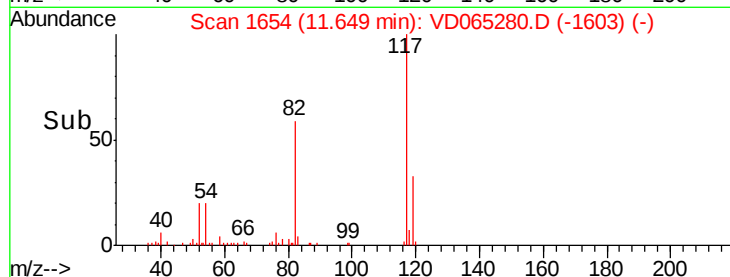
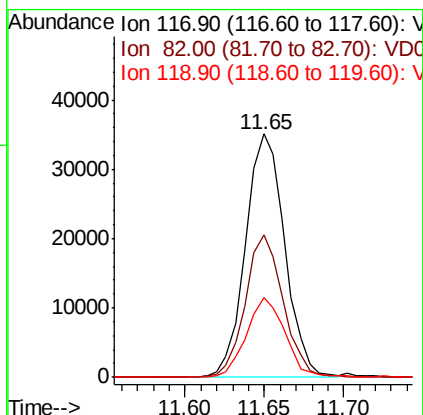
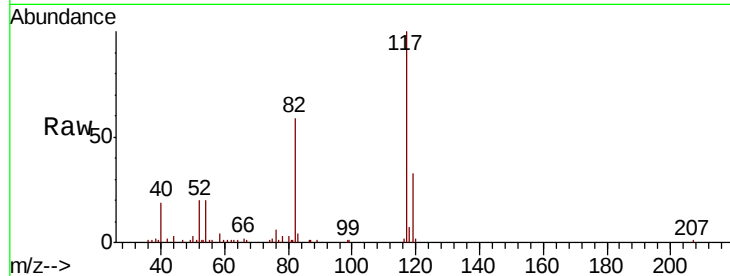




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065280.D
Acq: 21 Feb 2020 17:29

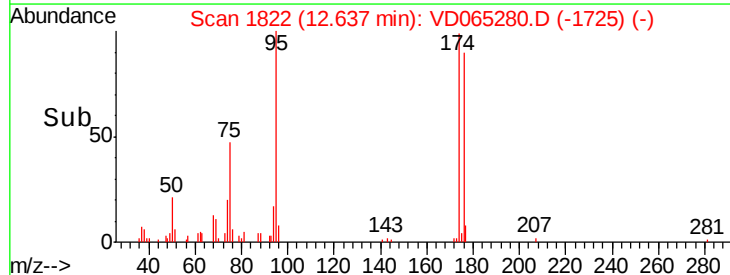
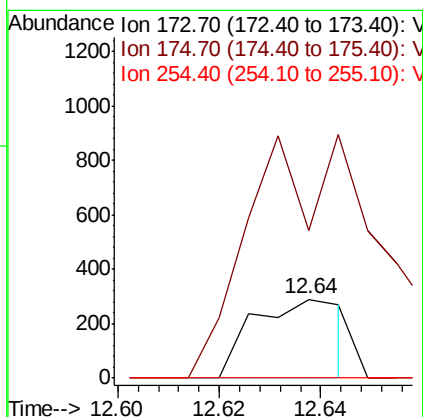
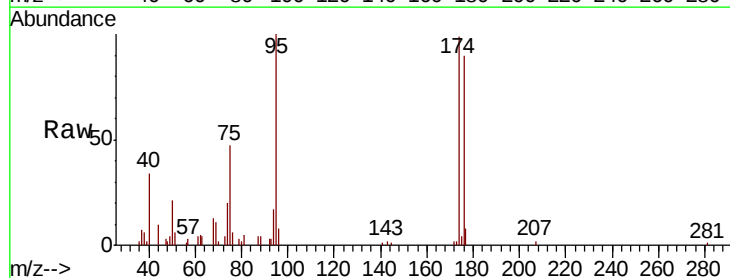
Instrument :
MSVOA_D
ClientSampleId :

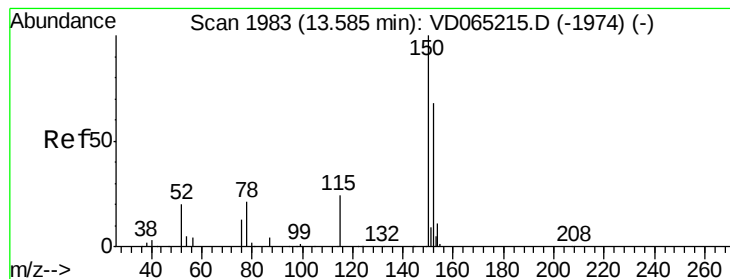
Tot Ion:117 Resp: 60243
Ion Ratio Lower Upper
117 100
82 58.6 42.7 64.1
119 32.8 25.5 38.3



#71
Bromoform
Concen: 1.434 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065280.D
Acq: 21 Feb 2020 17:29

Tgt Ion:173 Resp: 359
Ion Ratio Lower Upper
173 100
175 220.3 24.4 73.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065280.D

Acq: 21 Feb 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

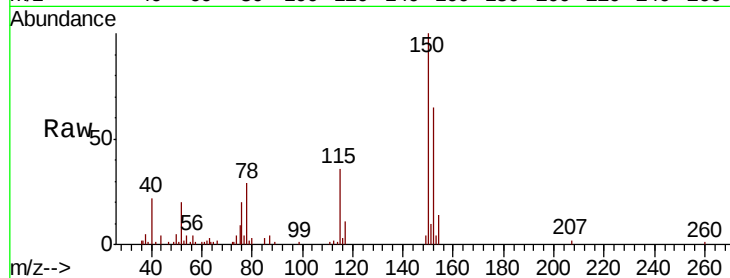
Tot Ion:152 Resp: 26564

Ion Ratio Lower Upper

152 100

115 55.4 27.6 82.8

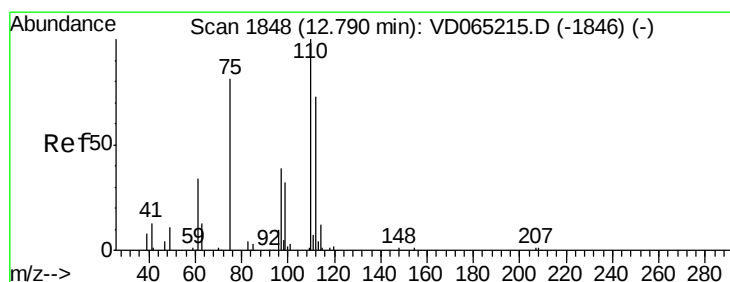
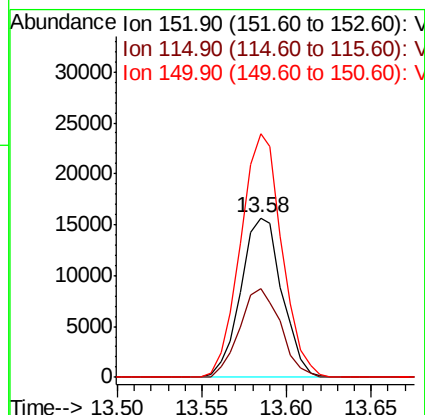
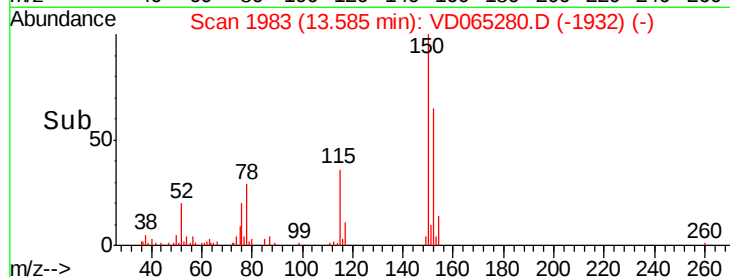
150 152.8 0.0 347.4



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: 47.032 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065280.D

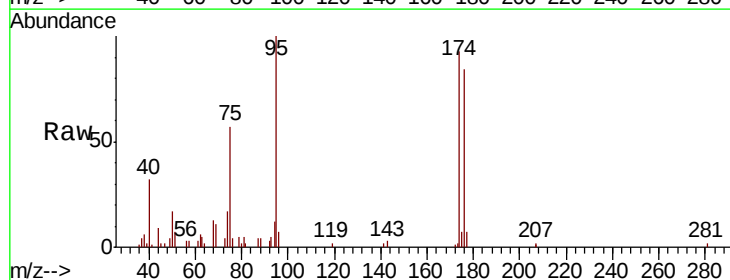
Acq: 21 Feb 2020 17:29

Tgt Ion: 75 Resp: 10630

Ion Ratio Lower Upper

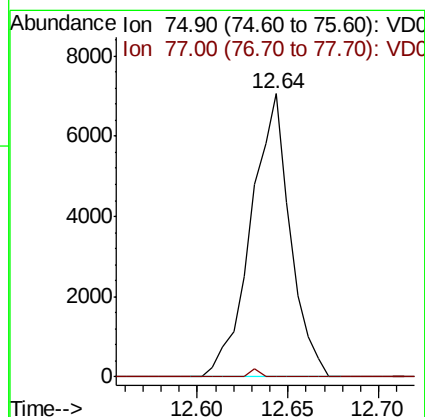
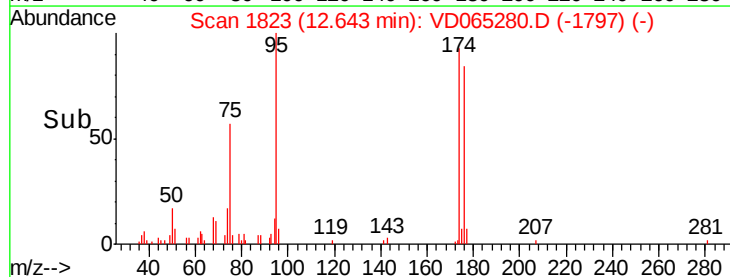
75 100

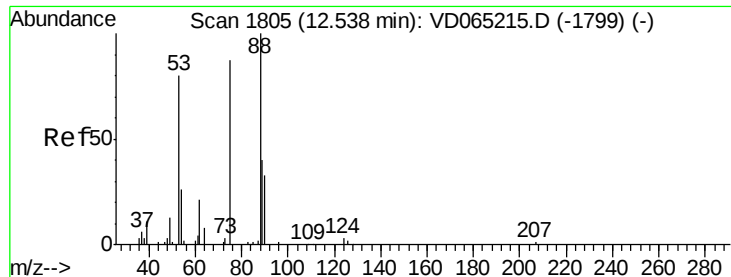
77 0.7 0.0 0.0#



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: 101.551 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.11 min
 Lab File: VD065280.D
 Acq: 21 Feb 2020 17:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 10630
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.2 55.8#

