

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065128.D
 Acq On : 10 Feb 2020 12:55
 Operator : VA/SY
 Sample : L1470-05
 Misc : 5.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:06:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

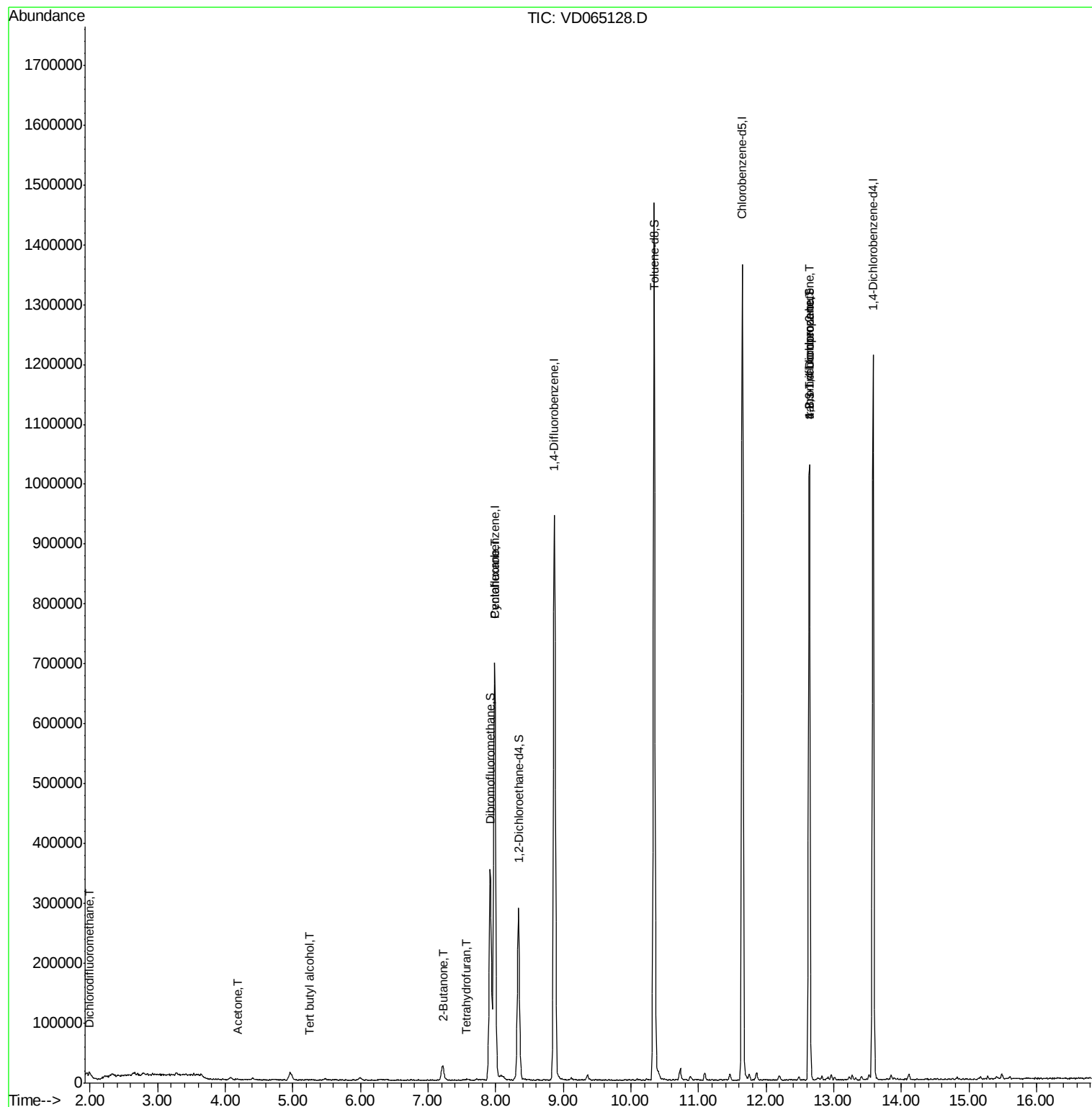
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	524509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	820150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	786990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321270	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	228816	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
35) Dibromofluoromethane	7.92	113	250332	54.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.42%	
50) Toluene-d8	10.34	98	983699	54.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.02%	
62) 4-Bromofluorobenzene	12.64	95	318976	55.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	6251	1.432	ug/l	90
11) Tert butyl alcohol	5.24	59	402	1.476	ug/l #	71
16) Acetone	4.17	43	3311	2.971	ug/l	97
20) Methylene Chloride	4.96	84	4426	Below Cal	#	89
25) 2-Butanone	7.22	43	1712	1.288	ug/l	99
29) Tetrahydrofuran	7.57	42	1226	1.525	ug/l #	64
31) Cyclohexane	7.99	56	13472	1.519	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.94	63	118	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	163233	67.109	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	163233	134.213	ug/l #	10

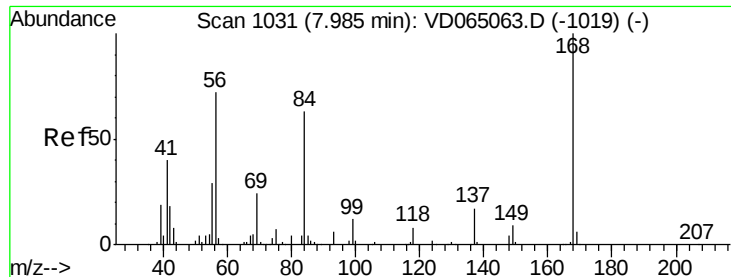
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Feb 11 08:06:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 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: VD065128.D

Acq: 10 Feb 2020 12:55

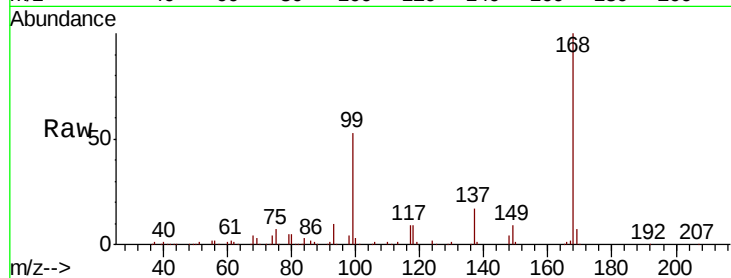
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 524509

Ion Ratio Lower Upper

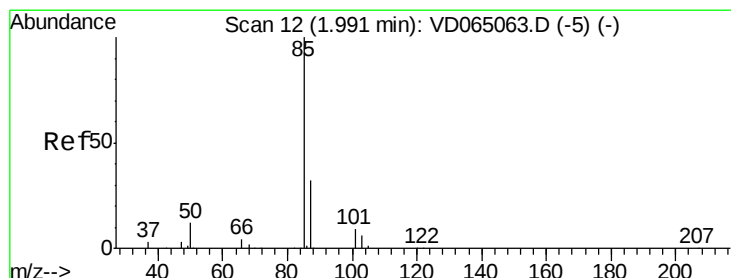
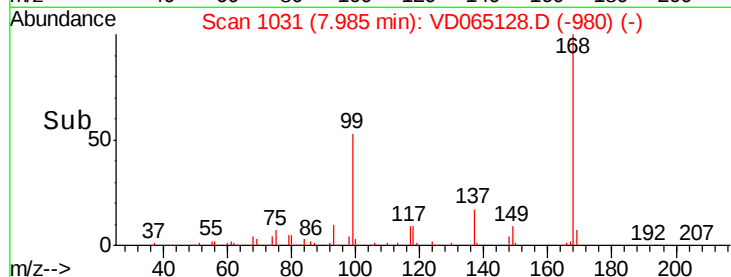
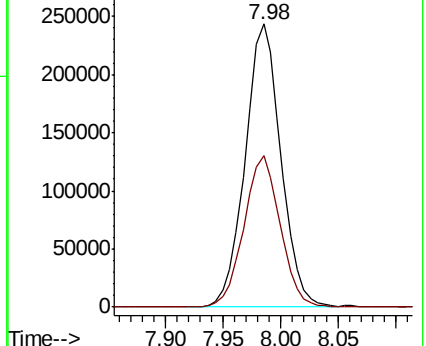
168 100

99 53.1 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.432 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065128.D

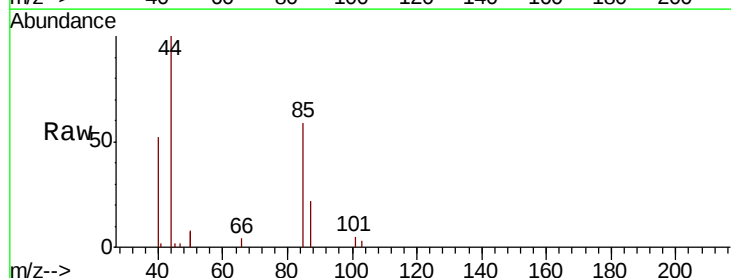
Acq: 10 Feb 2020 12:55

Tgt Ion: 85 Resp: 6251

Ion Ratio Lower Upper

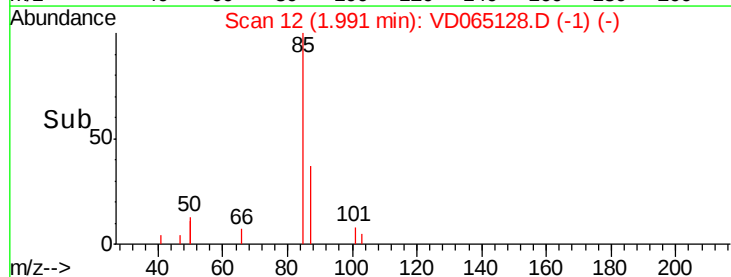
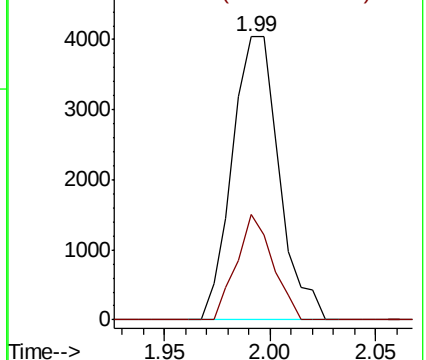
85 100

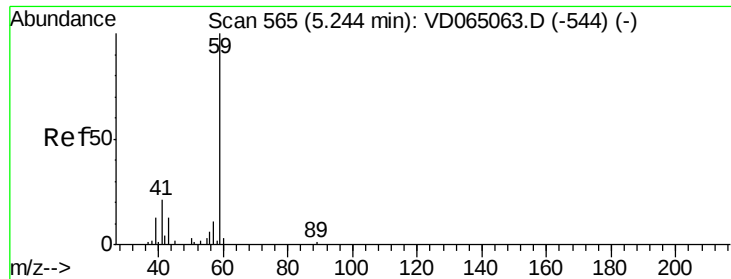
87 37.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



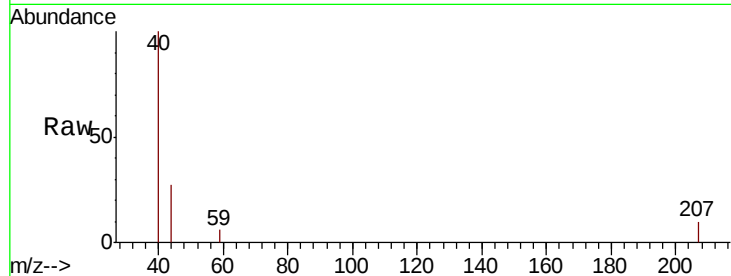


#11

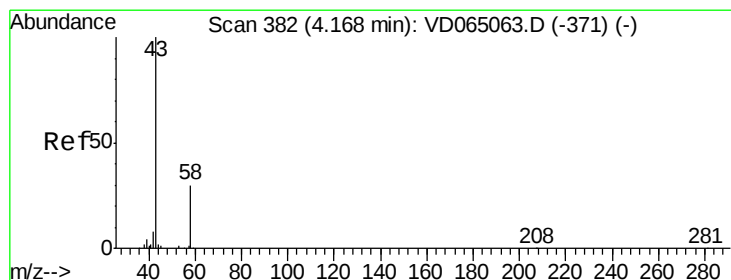
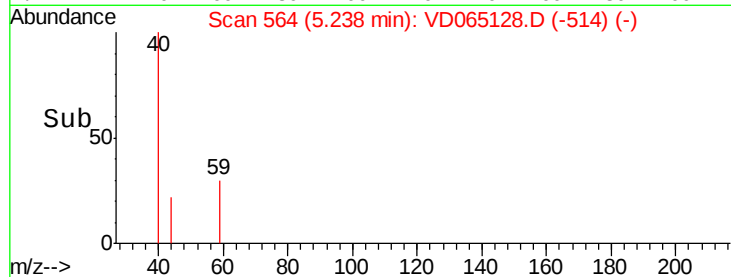
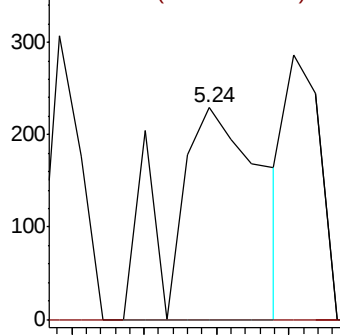
Tert butyl alcohol
 Concen: 1.476 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065128.D
 Acq: 10 Feb 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 402
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#



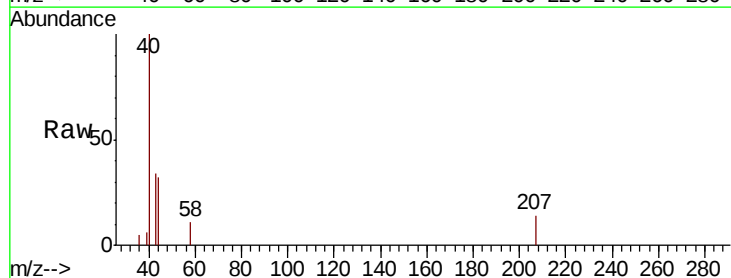
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



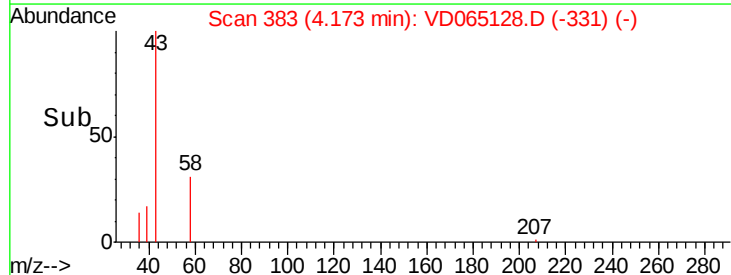
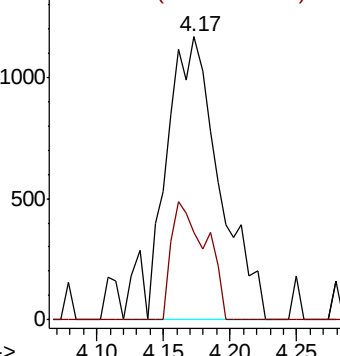
#16

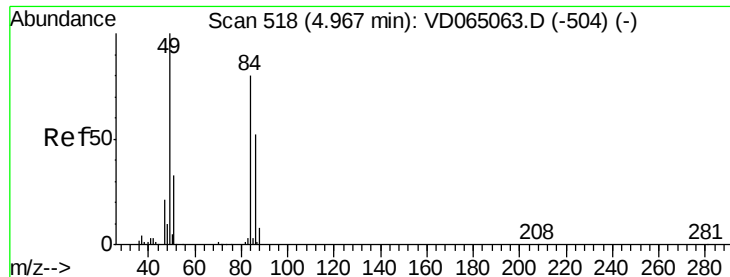
Acetone
 Concen: 2.971 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD065128.D
 Acq: 10 Feb 2020 12:55

Tgt Ion: 43 Resp: 3311
 Ion Ratio Lower Upper
 43 100
 58 31.1 23.5 35.3



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

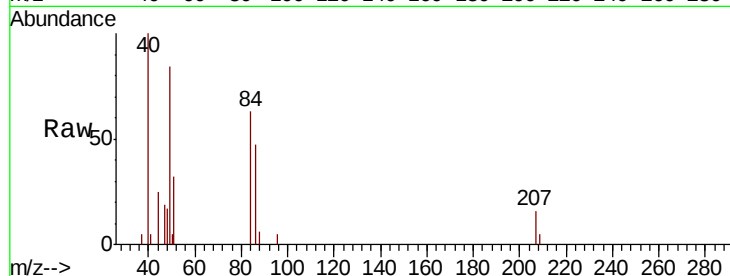




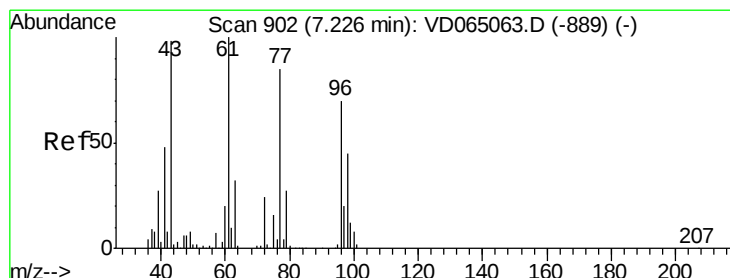
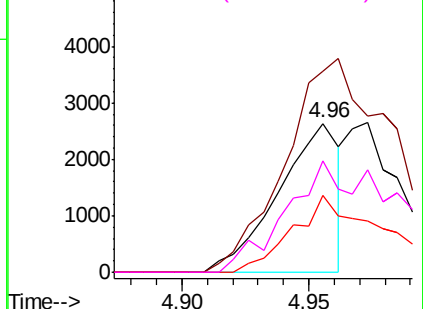
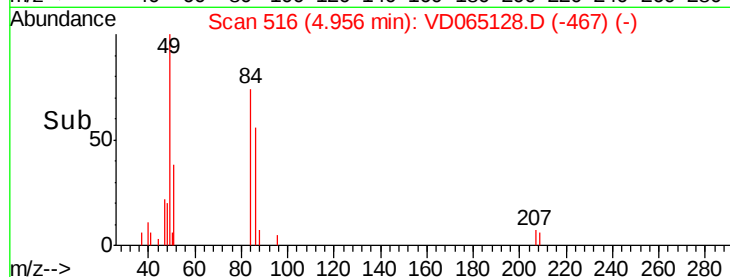
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065128.D
Acq: 10 Feb 2020 12:55

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 84 Resp: 4426
Ion Ratio Lower Upper
84 100
49 134.7 100.4 150.6
51 51.6 32.7 49.1#
86 75.2 52.4 78.6

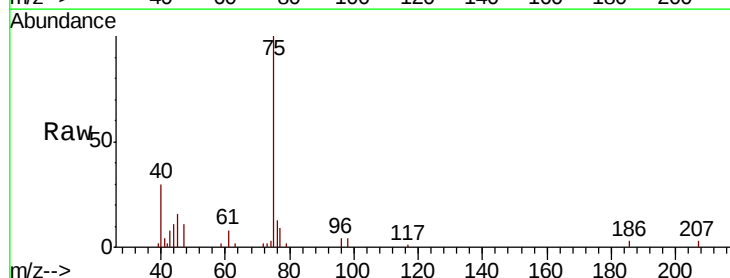


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

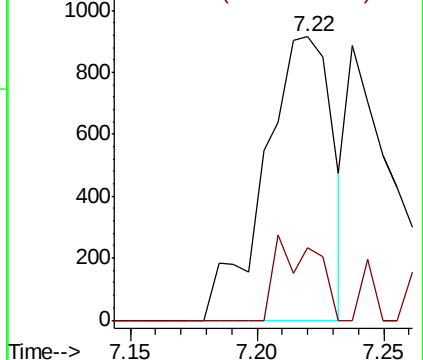
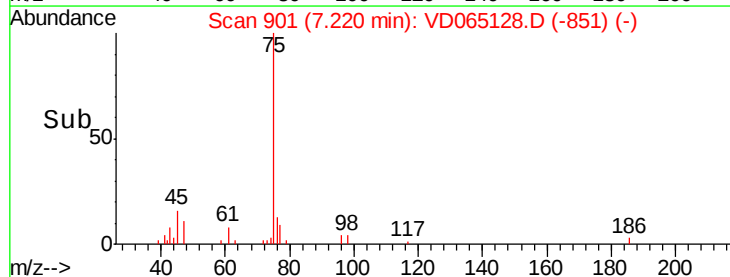


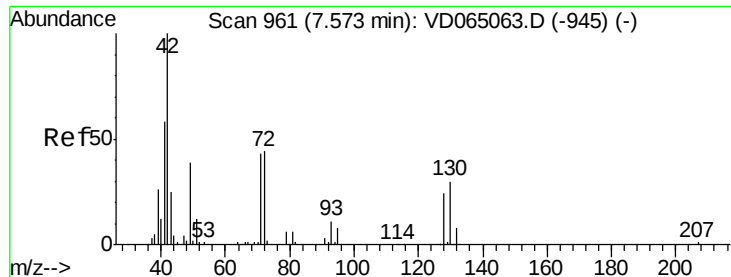
#25
2-Butanone
Concen: 1.288 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065128.D
Acq: 10 Feb 2020 12:55

Tgt Ion: 43 Resp: 1712
Ion Ratio Lower Upper
43 100
72 25.5 19.9 29.9



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

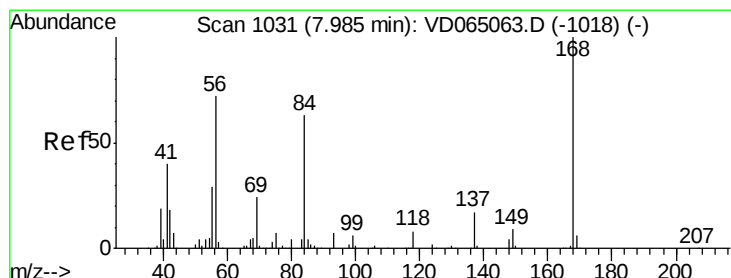
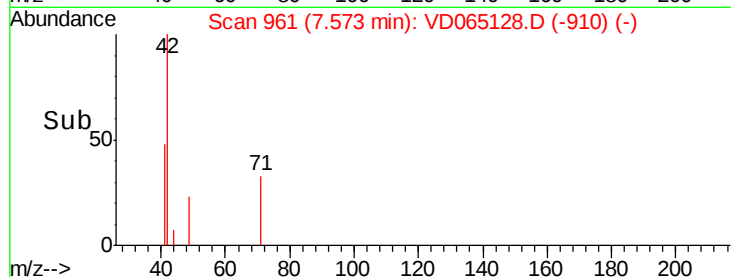
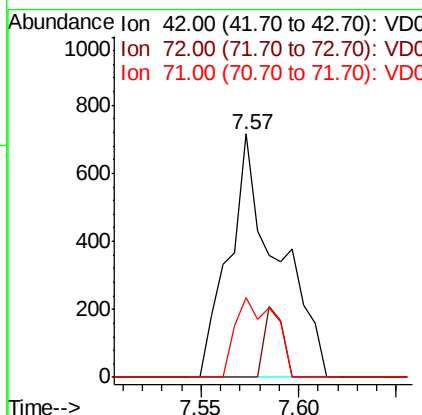
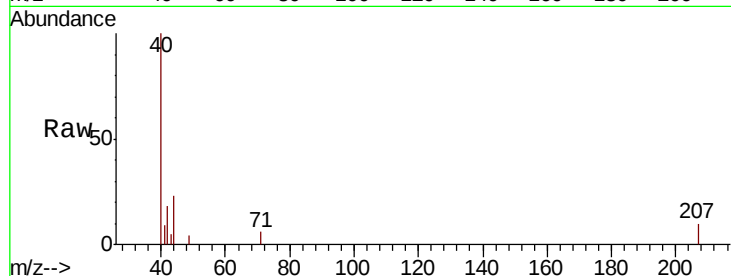




#29
Tetrahydrofuran
Concen: 1.525 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065128.D
Acq: 10 Feb 2020 12:55

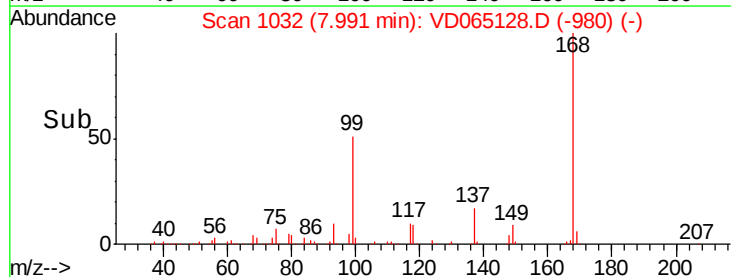
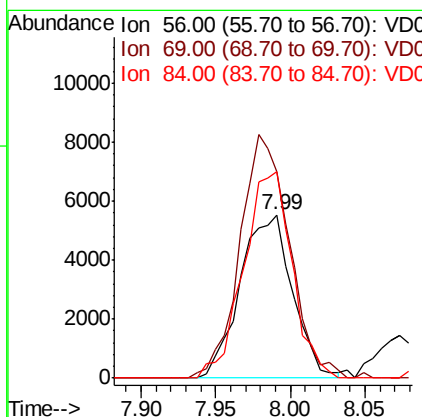
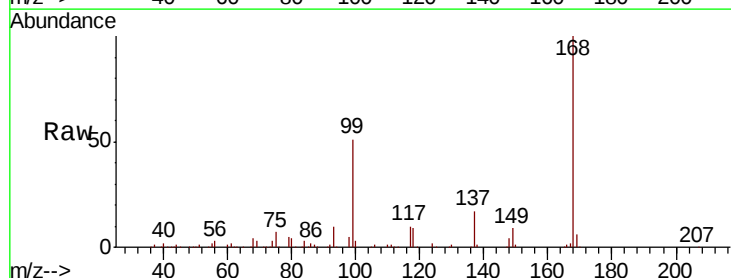
Instrument :
MSVOA_D
ClientSampleID :

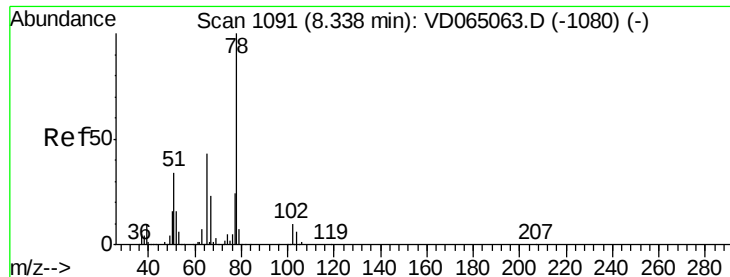
Tot Ion: 42 Resp: 1226
Ion Ratio Lower Upper
42 100
72 10.9 34.2 51.4#
71 26.7 31.8 47.6#



#31
Cyclohexane
Concen: 1.519 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065128.D
Acq: 10 Feb 2020 12:55

Tgt Ion: 56 Resp: 13472
Ion Ratio Lower Upper
56 100
69 126.3 26.6 40.0#
84 126.6 70.6 106.0#





#33

1,2-Dichloroethane-d4

Concen: 51.328 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065128.D

Acq: 10 Feb 2020 12:55

Instrument :

MSVOA_D

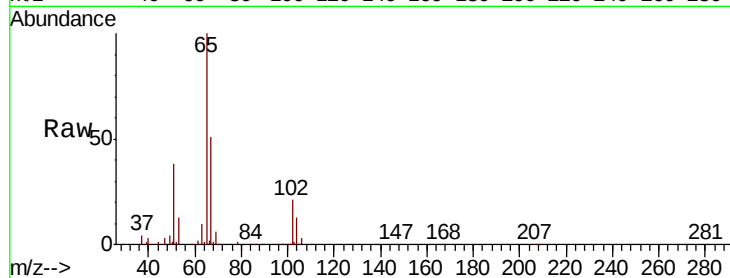
ClientSampleId :

Tot Ion: 65 Resp: 228816

Ion Ratio Lower Upper

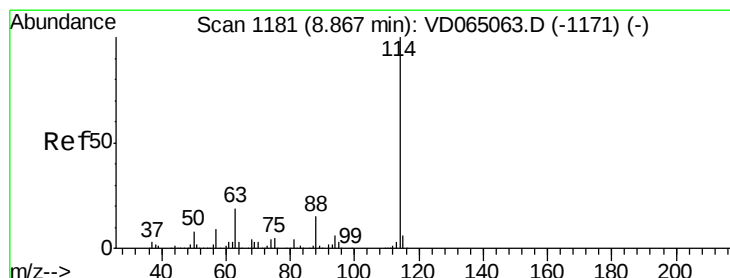
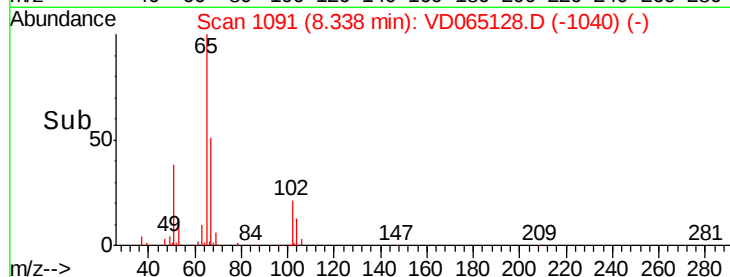
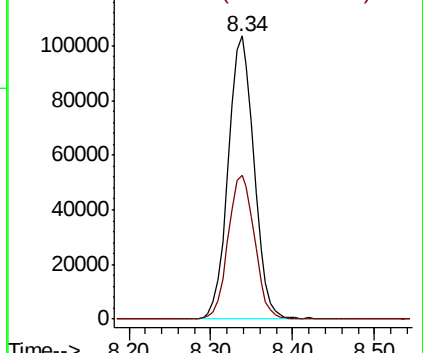
65 100

67 51.6 0.0 105.8



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: VD065128.D

Acq: 10 Feb 2020 12:55

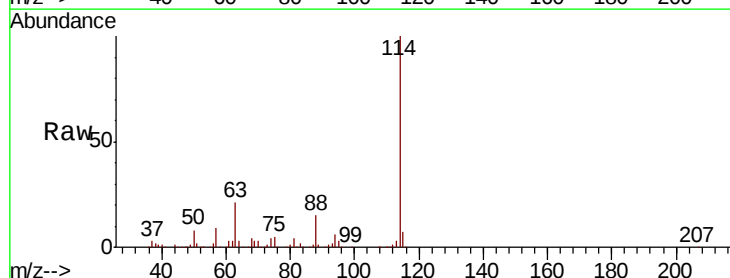
Tgt Ion: 114 Resp: 820150

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

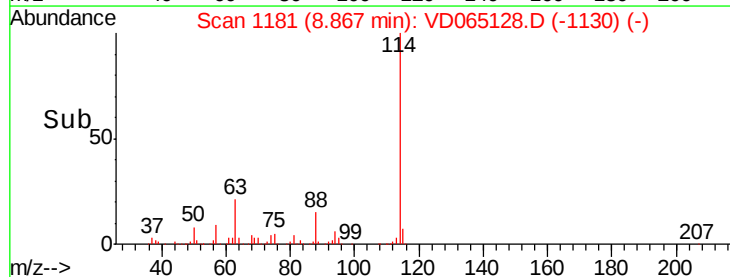
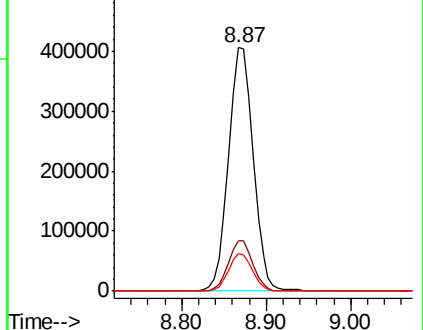
88 15.5 0.0 29.6

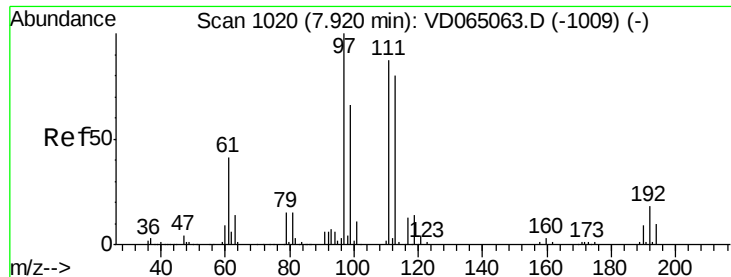


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 54.706 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065128.D

Acq: 10 Feb 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

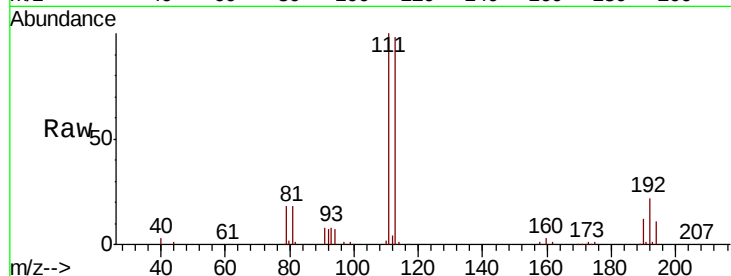
Tot Ion:113 Resp: 250332

Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

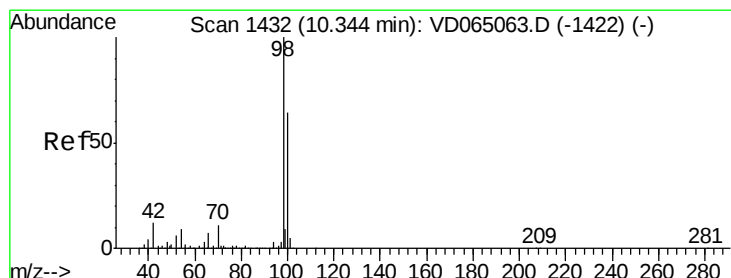
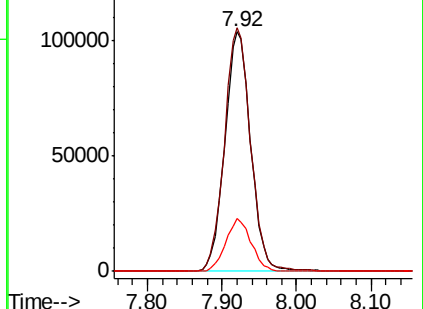
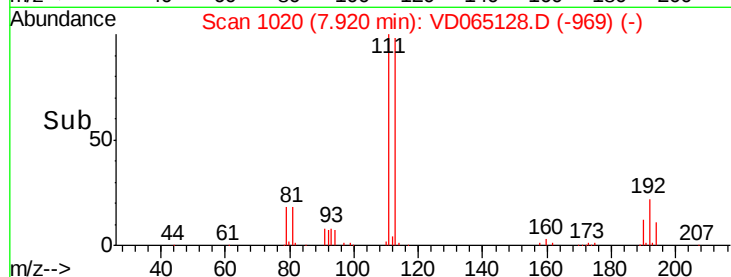
192 21.6 18.1 27.1



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



#50

Toluene-d8

Concen: 54.009 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065128.D

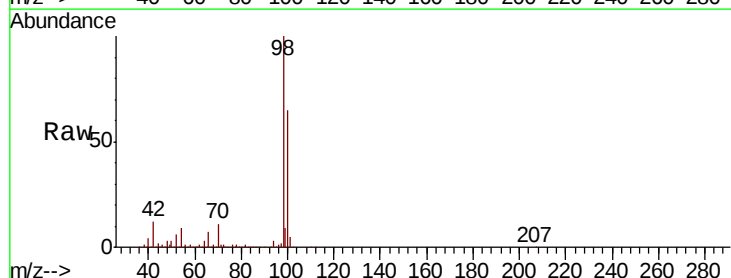
Acq: 10 Feb 2020 12:55

Tgt Ion: 98 Resp: 983699

Ion Ratio Lower Upper

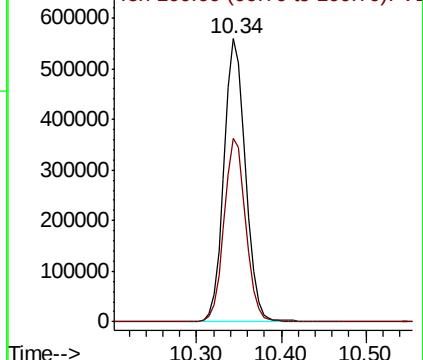
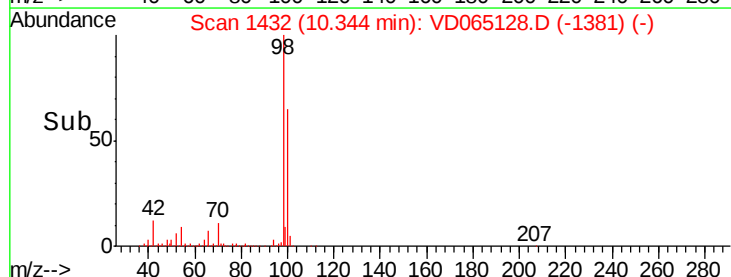
98 100

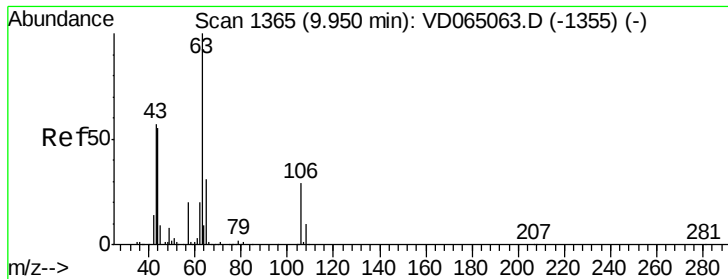
100 65.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

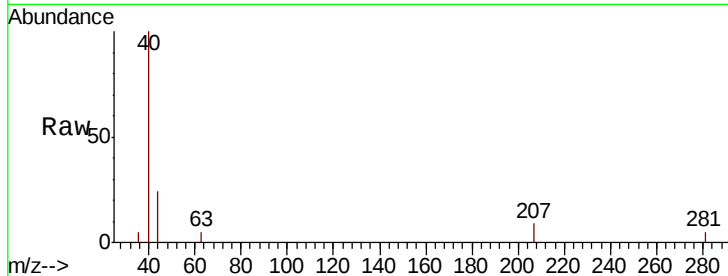




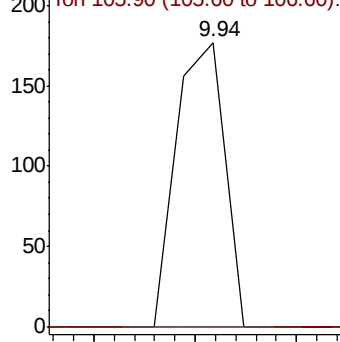
#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065128.D
 Acq: 10 Feb 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :

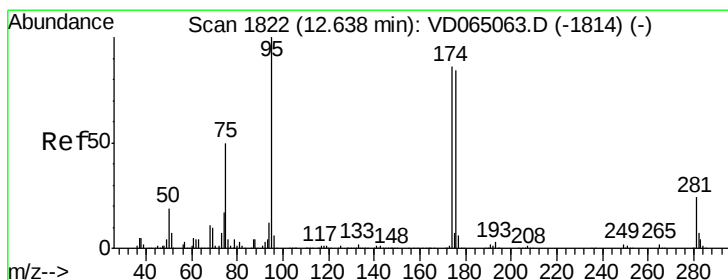
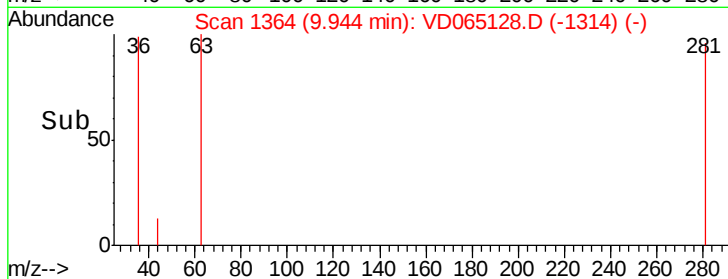
Tot Ion: 63 Resp: 118
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC
 Ion 105.90 (105.60 to 106.60): V

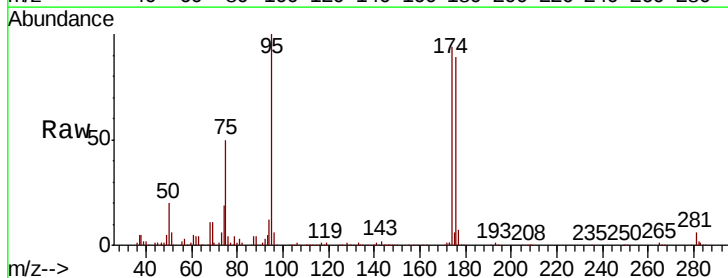


Time-->

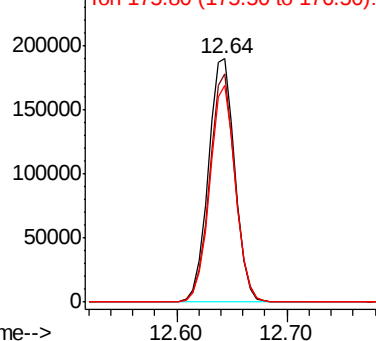


#62
 4-Bromofluorobenzene
 Concen: 55.270 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065128.D
 Acq: 10 Feb 2020 12:55

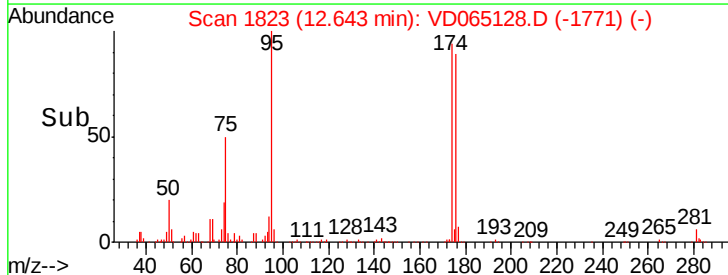
Tgt Ion: 95 Resp: 318976
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 180.0
 176 86.6 0.0 173.2

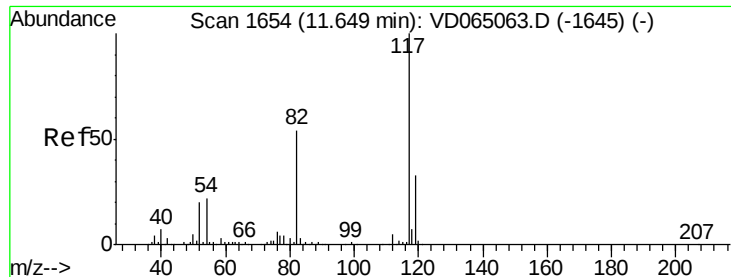


Abundance Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V



Time-->

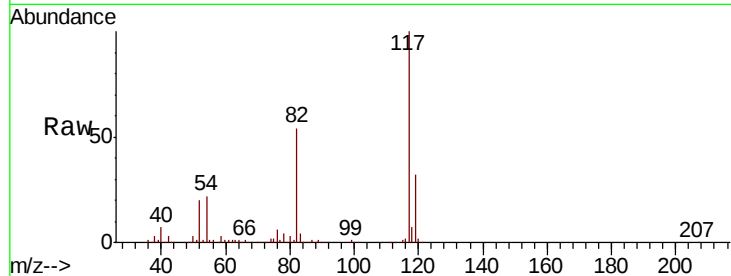




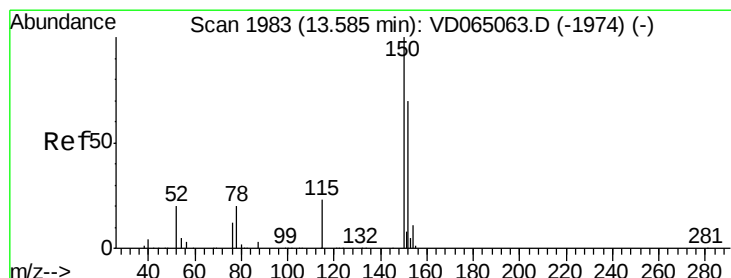
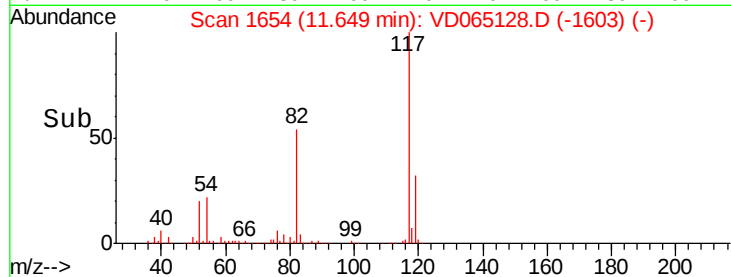
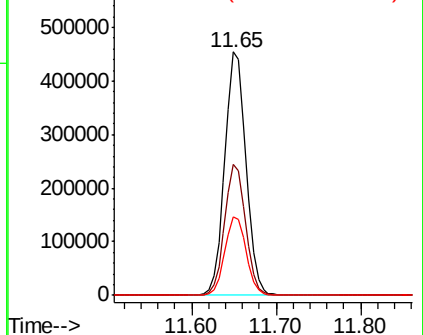
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065128.D
Acq: 10 Feb 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.1	64.7
119	32.4	26.0	39.0

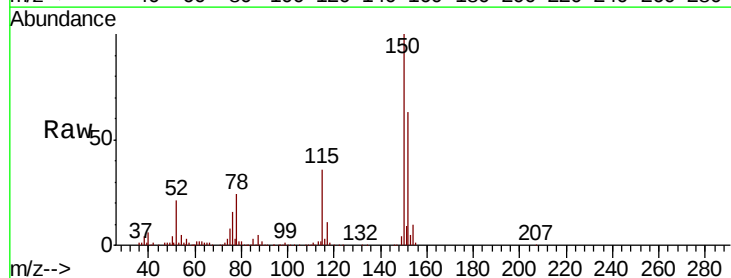


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

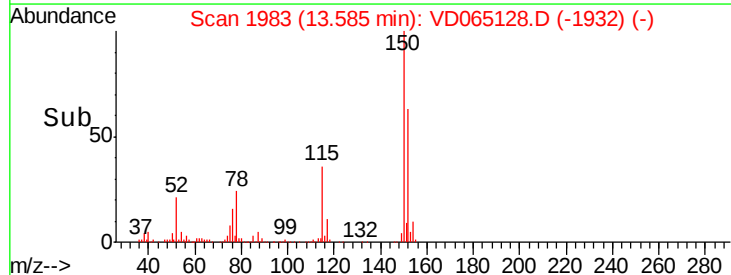
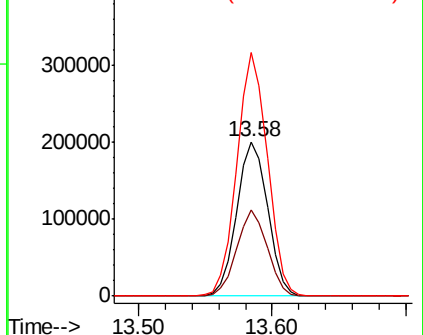


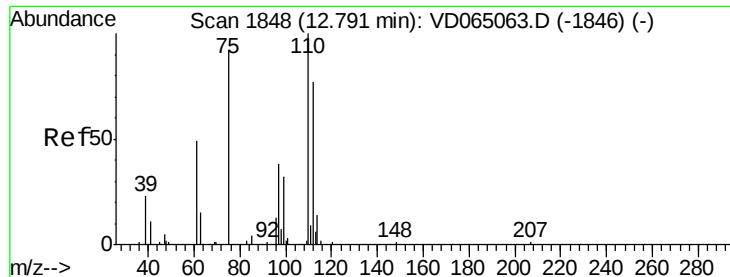
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065128.D
Acq: 10 Feb 2020 12:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.5	82.4
150	155.7	0.0	343.2



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: 67.109 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065128.D

Acq: 10 Feb 2020 12:55

Instrument :

MSVOA_D

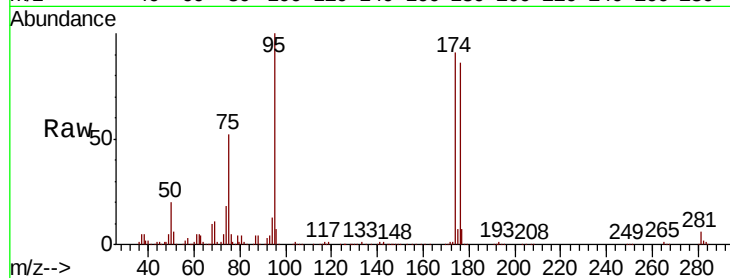
ClientSampled :

Tot Ion: 75 Resp: 163233

Ion Ratio Lower Upper

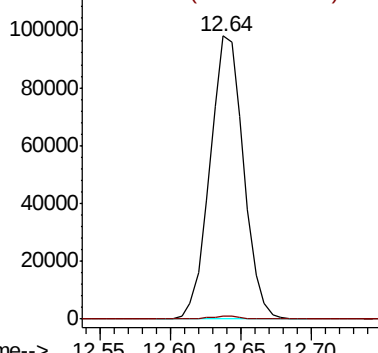
75 100

77 1.1 0.0 0.0#

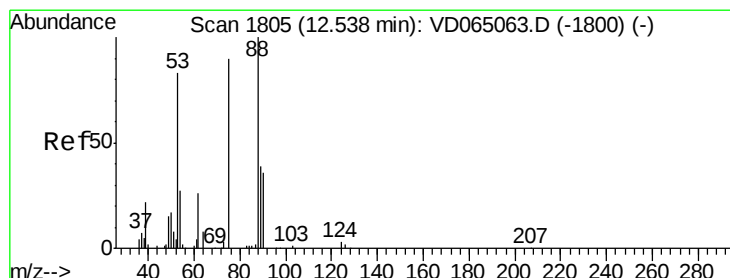
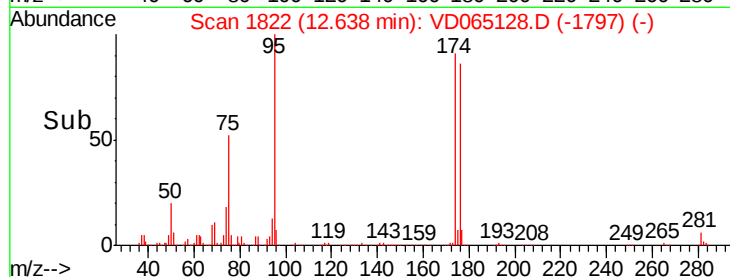


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 134.213 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065128.D

Acq: 10 Feb 2020 12:55

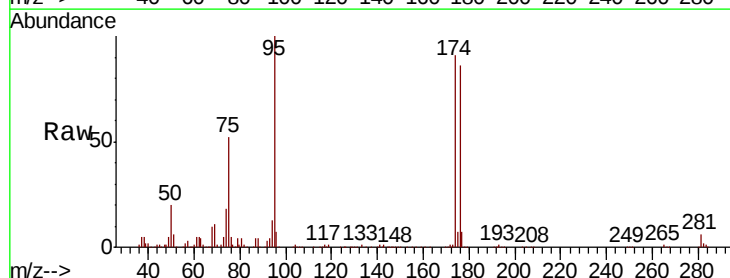
Tgt Ion: 75 Resp: 163233

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

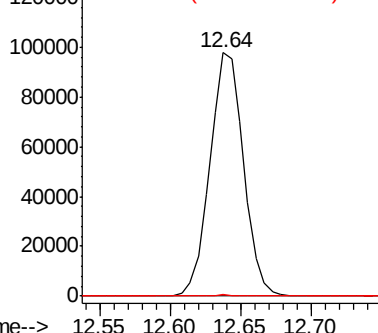
89 0.1 37.0 55.4#



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



Time--> 12.55 12.60 12.65 12.70

