

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065248.D
 Acq On : 20 Feb 2020 11:06
 Operator : VA/SY
 Sample : VD0220SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:01:19 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	630635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1031934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	917652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	414653	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	294752	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
35) Dibromofluoromethane	7.92	113	320545	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
50) Toluene-d8	10.34	98	1241316	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.64	95	369272	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

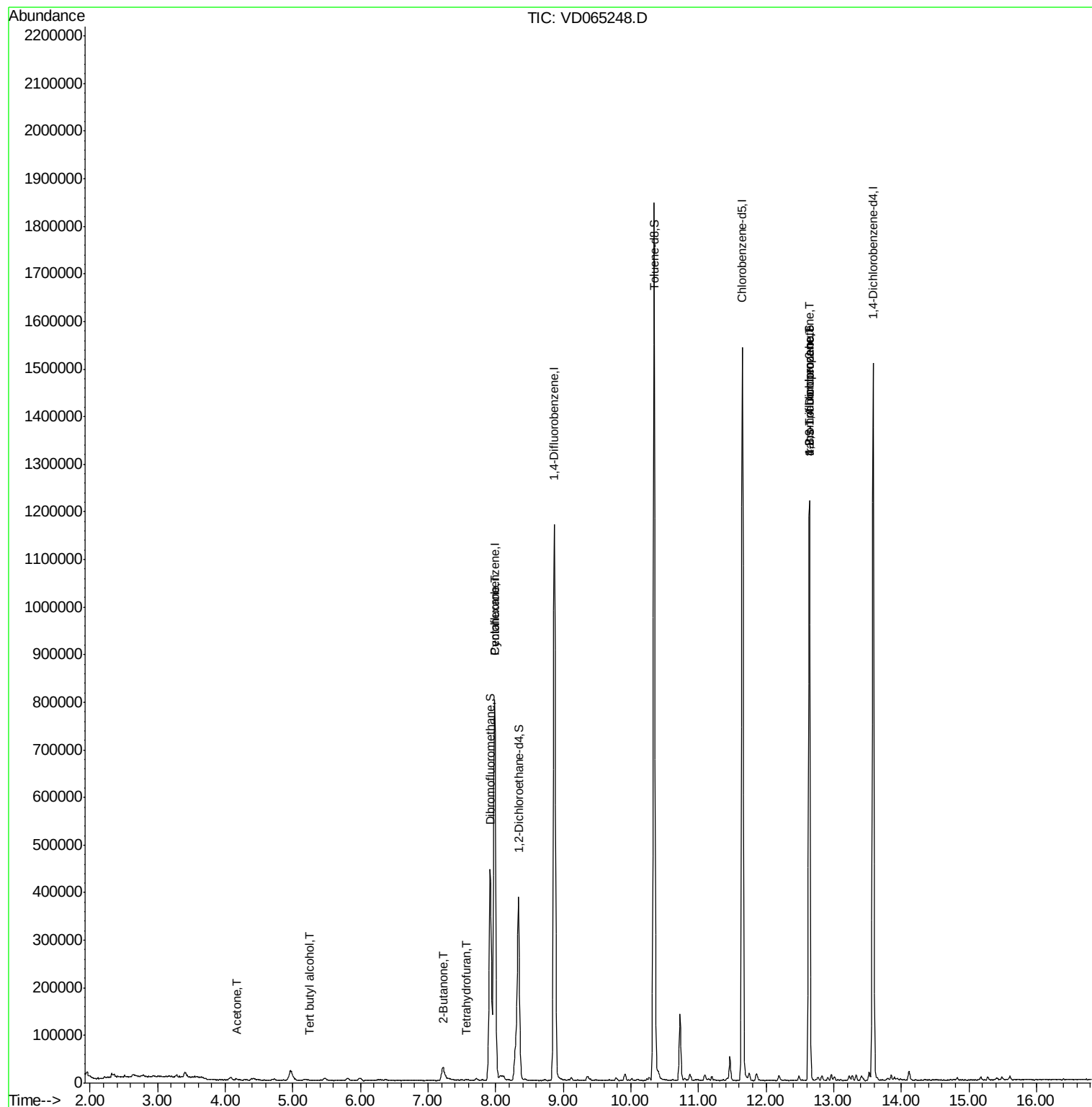
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	1004	2.962	ug/l #	72
13) Acrolein	3.93	56	522	Below Cal	#	14
16) Acetone	4.17	43	4968	3.582	ug/l	98
20) Methylene Chloride	4.96	84	14809	Below Cal	#	90
25) 2-Butanone	7.23	43	3448	1.965	ug/l #	73
29) Tetrahydrofuran	7.57	42	1406	1.368	ug/l #	41
31) Cyclohexane	7.98	56	15136	1.357	ug/l #	11
76) 1,2,3-Trichloropropane	12.64	75	183612	52.044	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	183612	112.373	ug/l #	11

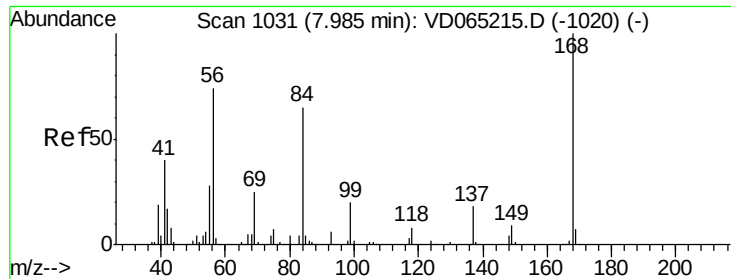
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065248.D

Acq: 20 Feb 2020 11:06

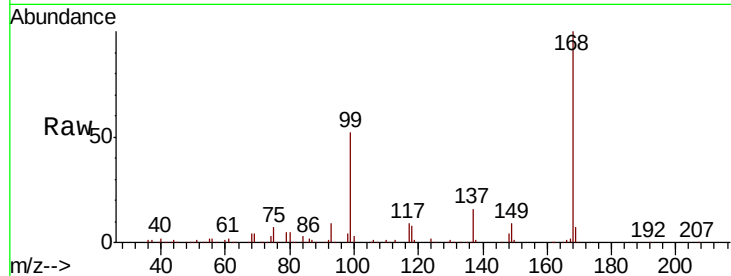
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 630635

Ion Ratio Lower Upper

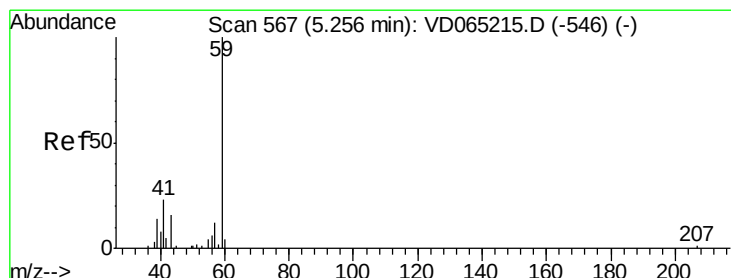
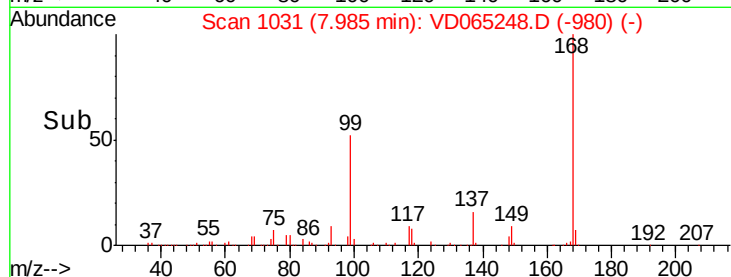
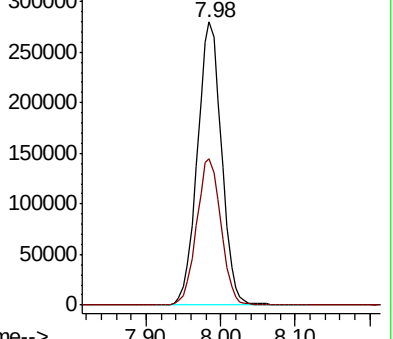
168 100

99 51.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 2.962 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD065248.D

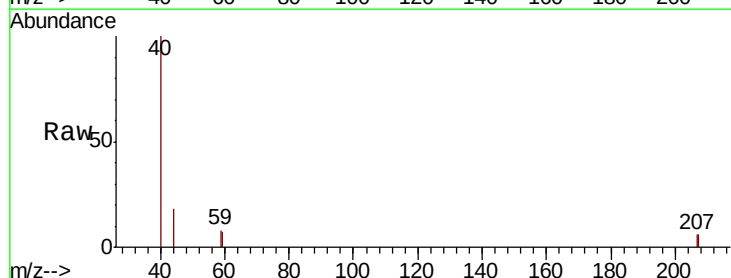
Acq: 20 Feb 2020 11:06

Tgt Ion: 59 Resp: 1004

Ion Ratio Lower Upper

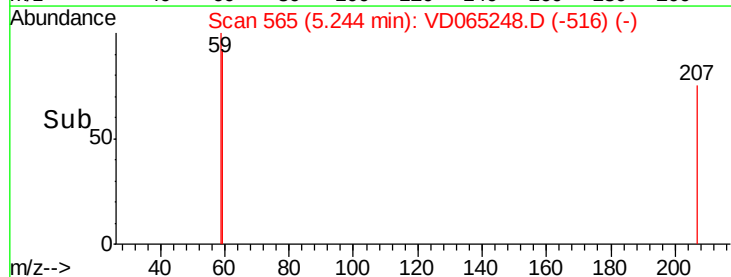
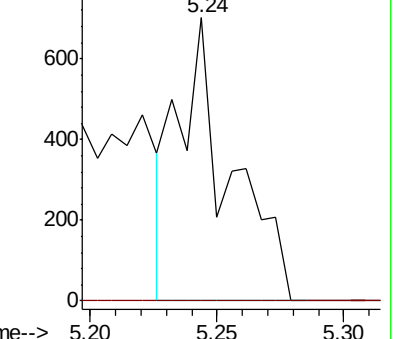
59 100

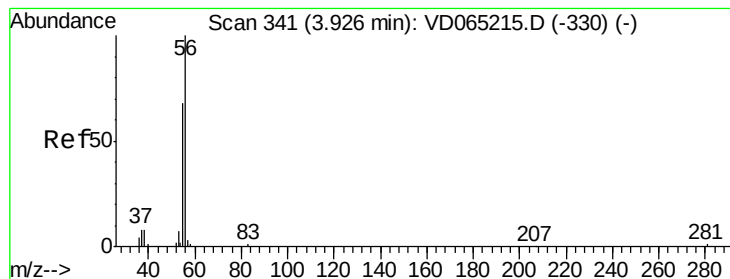
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: Below Cal

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065248.D

Acq: 20 Feb 2020 11:06

Instrument :

MSVOA_D

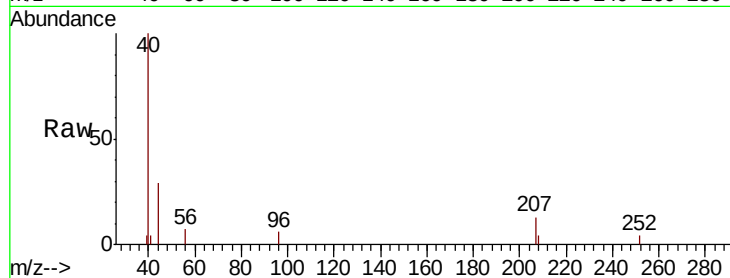
ClientSampleId :

Tot Ion: 56 Resp: 522

Ion Ratio Lower Upper

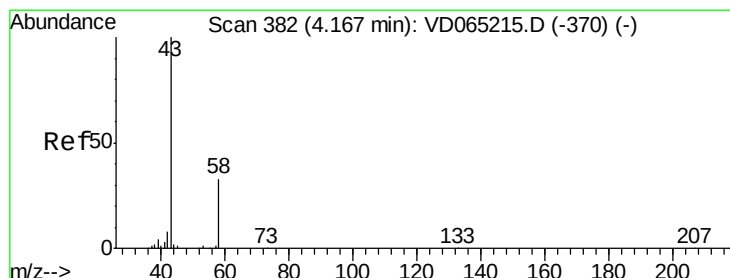
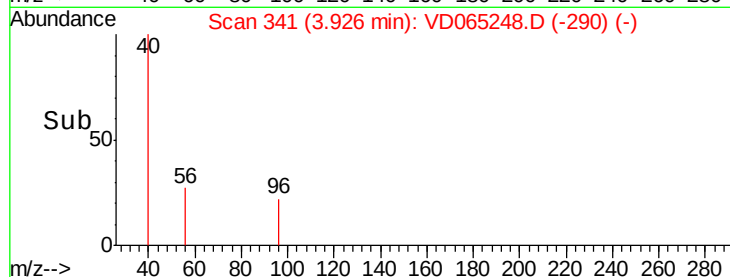
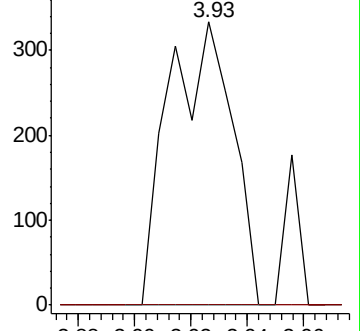
56 100

55 0.0 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: 3.582 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065248.D

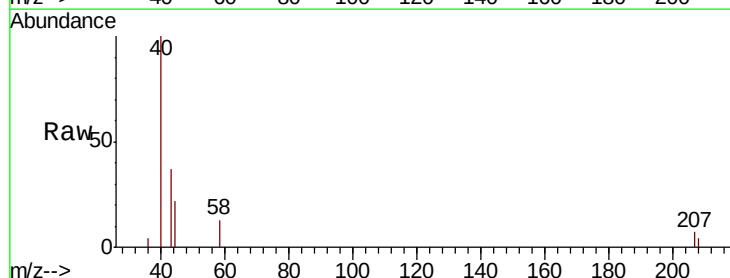
Acq: 20 Feb 2020 11:06

Tgt Ion: 43 Resp: 4968

Ion Ratio Lower Upper

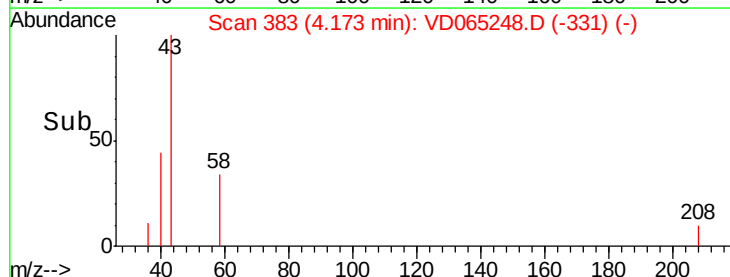
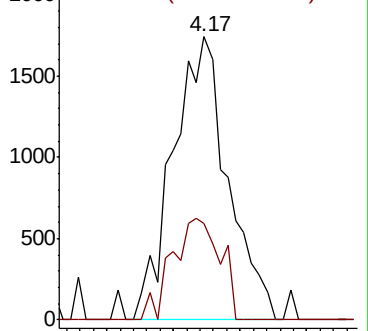
43 100

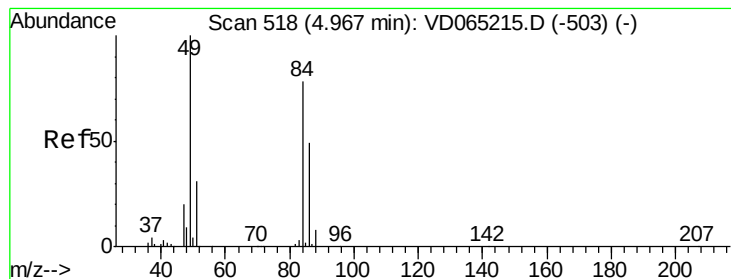
58 34.1 26.2 39.2



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# 517

Delta R.T. -0.01 min

Lab File: VD065248.D

Acq: 20 Feb 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 14809

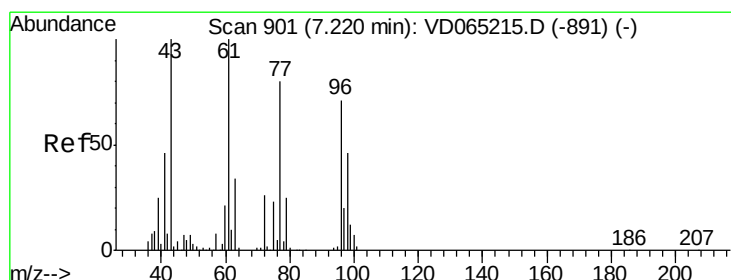
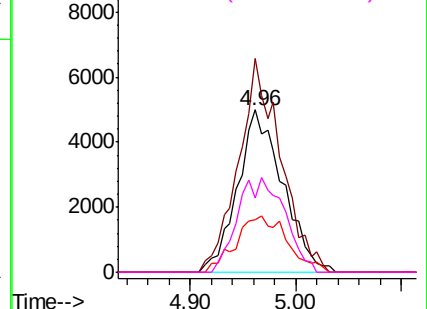
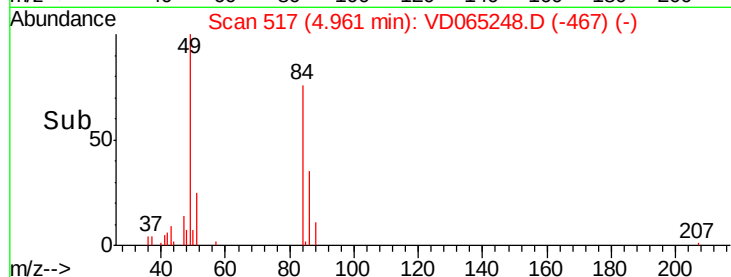
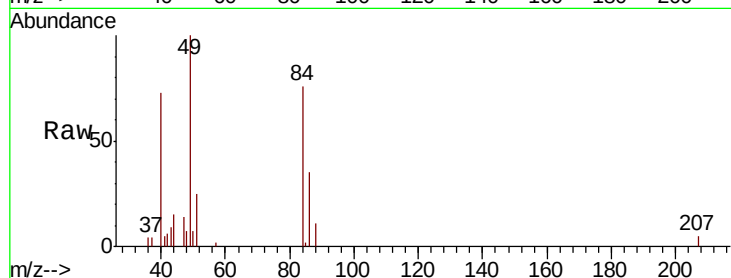
Ion Ratio Lower Upper

84 100

49 131.5 103.1 154.7

51 32.3 31.7 47.5

86 45.6 50.9 76.3#



#25

2-Butanone

Concen: 1.965 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065248.D

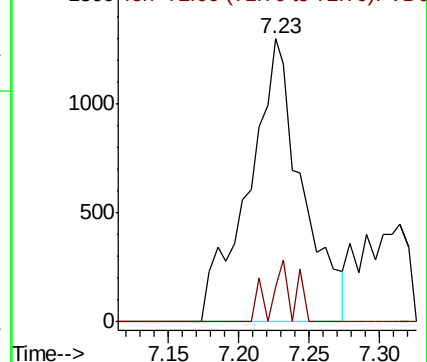
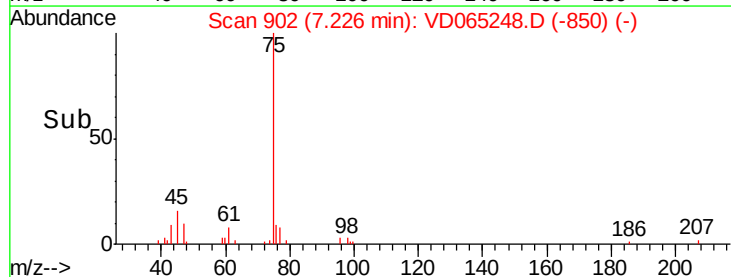
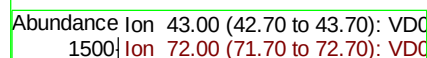
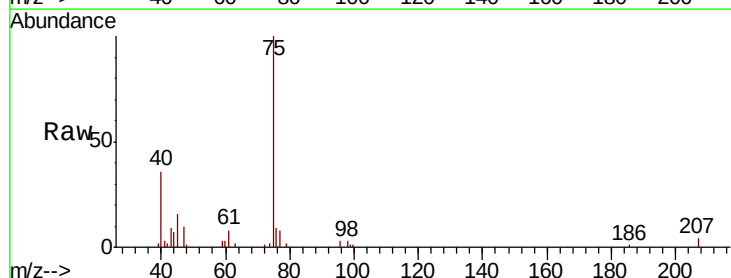
Acq: 20 Feb 2020 11:06

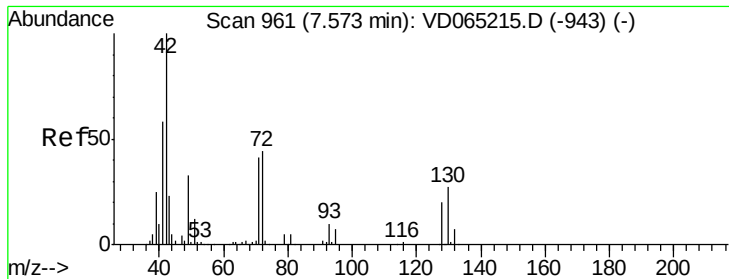
Tgt Ion: 43 Resp: 3448

Ion Ratio Lower Upper

43 100

72 12.5 20.9 31.3#

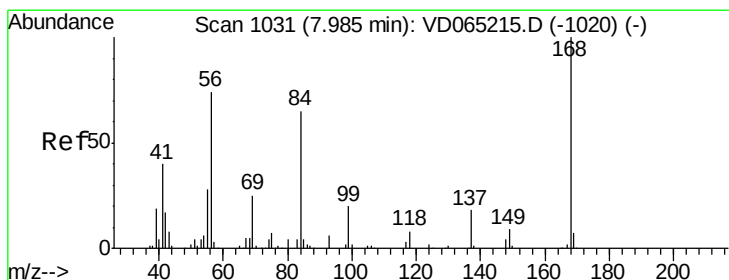
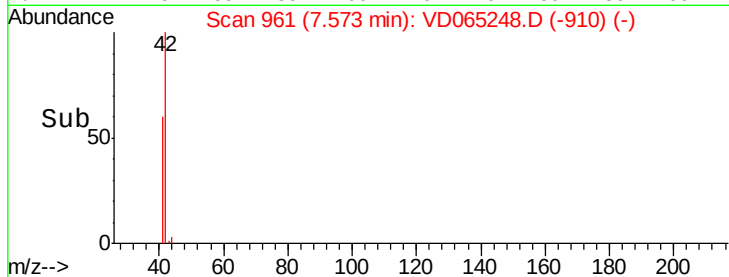
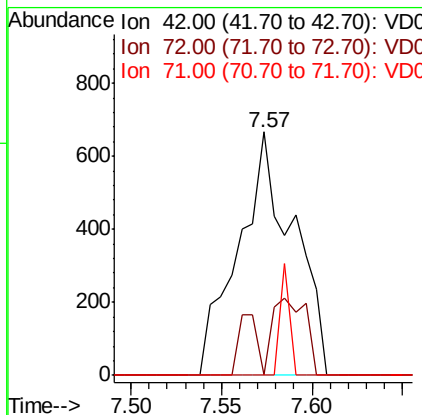
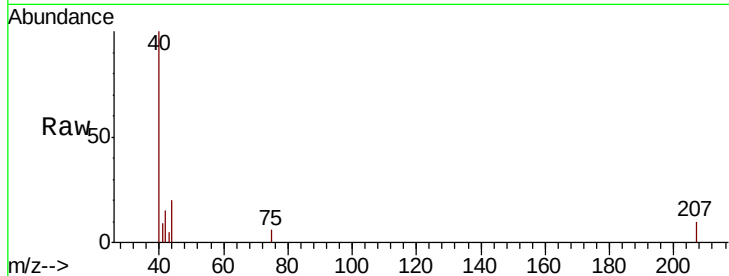




#29
Tetrahydrofuran
Concen: 1.368 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065248.D
Acq: 20 Feb 2020 11:06

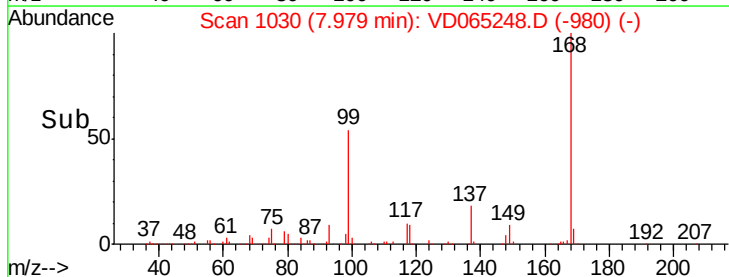
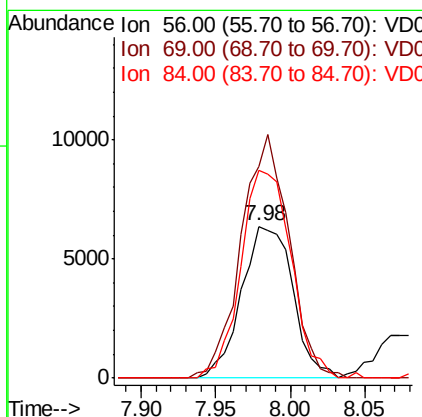
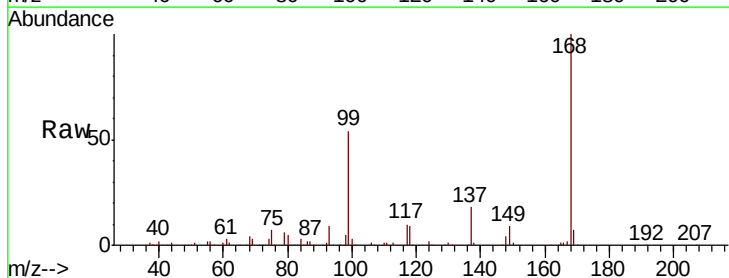
Instrument :
MSVOA_D
ClientSampled :

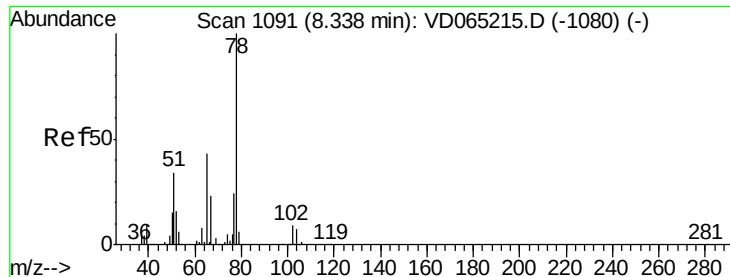
Tot Ion: 42 Resp: 1406
Ion Ratio Lower Upper
42 100
72 8.3 33.7 50.5#
71 0.0 31.4 47.2#



#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065248.D
Acq: 20 Feb 2020 11:06

Tgt Ion: 56 Resp: 15136
Ion Ratio Lower Upper
56 100
69 139.8 27.4 41.0#
84 137.4 71.1 106.7#

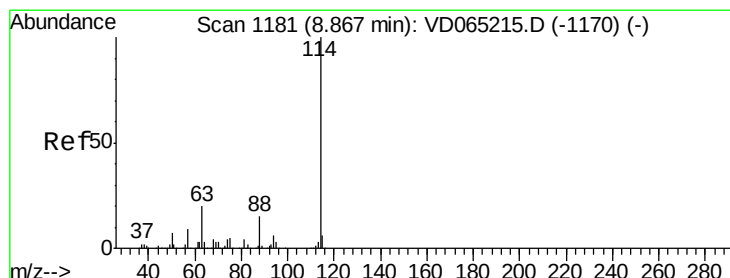
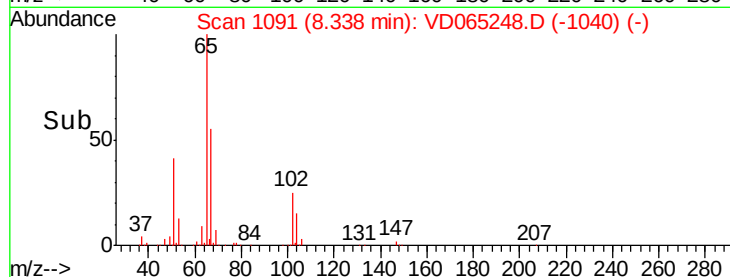
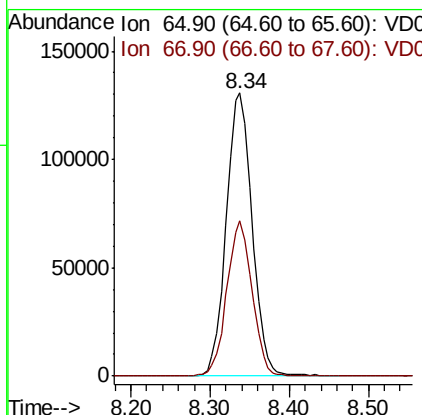
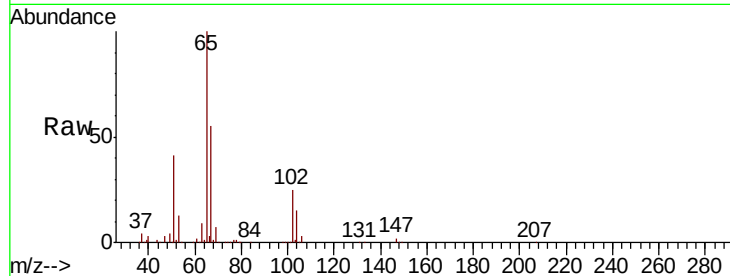




#33
 1,2-Dichloroethane-d4
 Concen: 51.955 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065248.D
 Acq: 20 Feb 2020 11:06

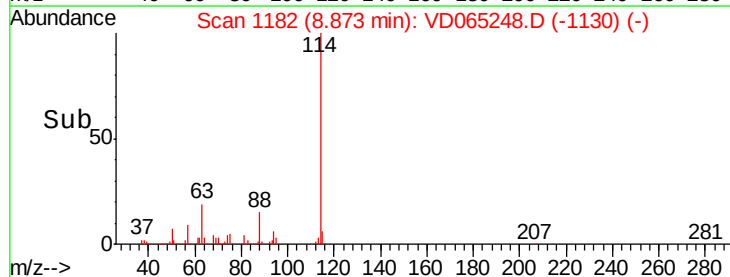
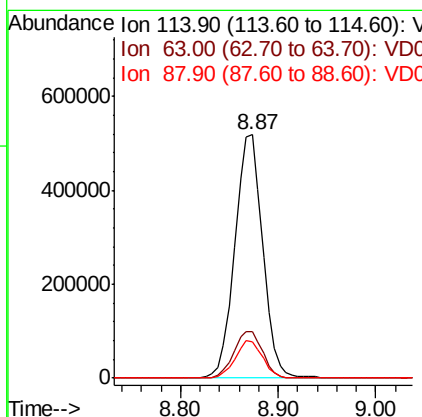
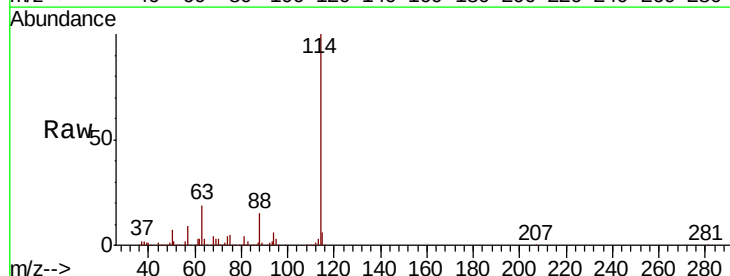
Instrument :
 MSVOA_D
 ClientSampled :

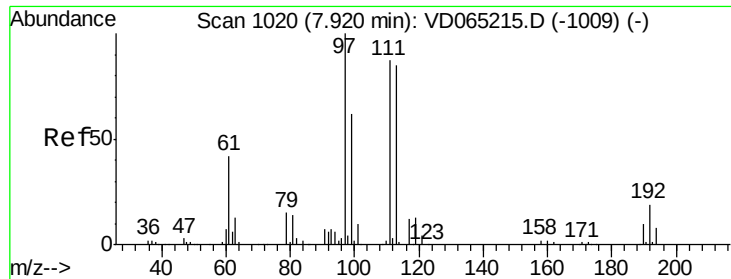
Tot Ion: 65 Resp: 294752
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065248.D
 Acq: 20 Feb 2020 11:06

Tgt Ion: 114 Resp: 1031934
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 15.0 0.0 30.4

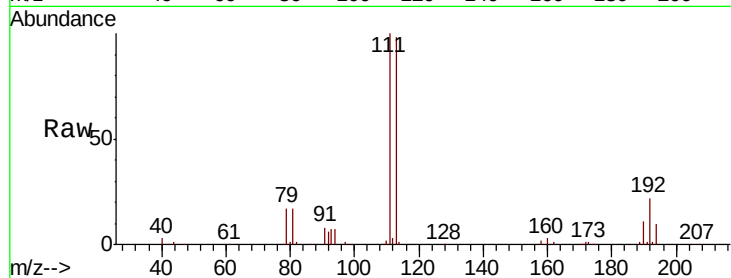




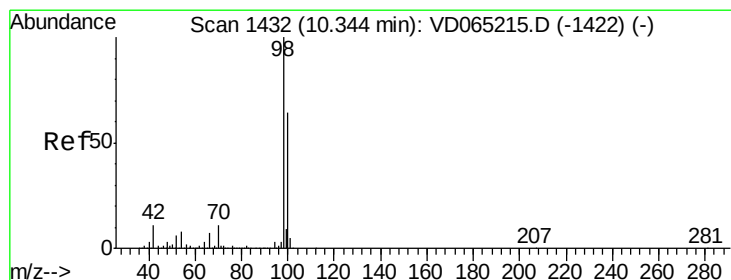
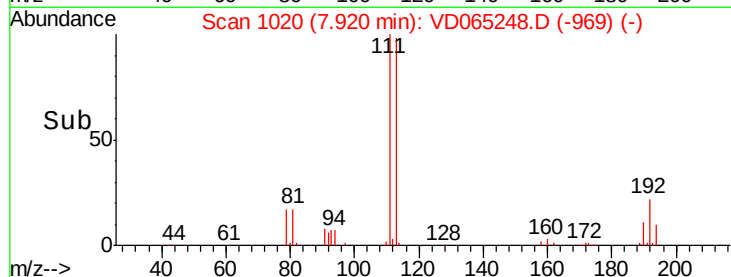
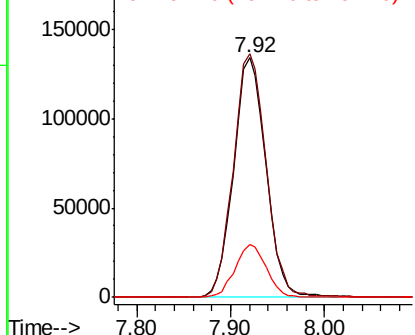
#35
Dibromofluoromethane
Concen: 50.944 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065248.D
Acq: 20 Feb 2020 11:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	21.4	17.3	25.9

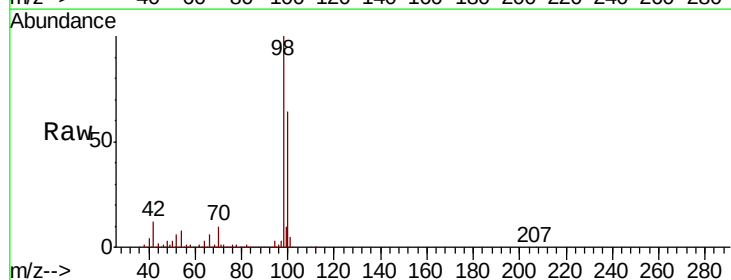


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

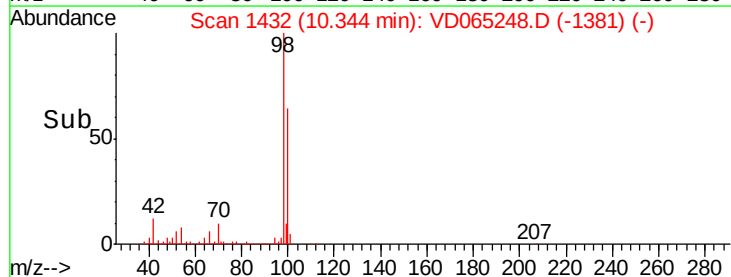
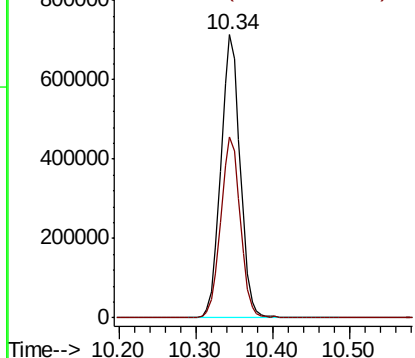


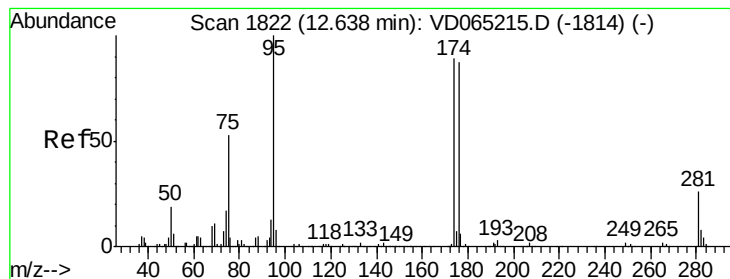
#50
Toluene-d8
Concen: 51.605 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065248.D
Acq: 20 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



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





#62

4-Bromofluorobenzene

Concen: 48.460 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065248.D

Acq: 20 Feb 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

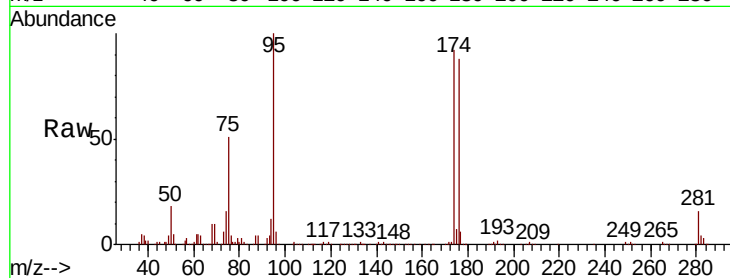
Tot Ion: 95 Resp: 369272

Ion Ratio Lower Upper

95 100

174 89.2 0.0 178.0

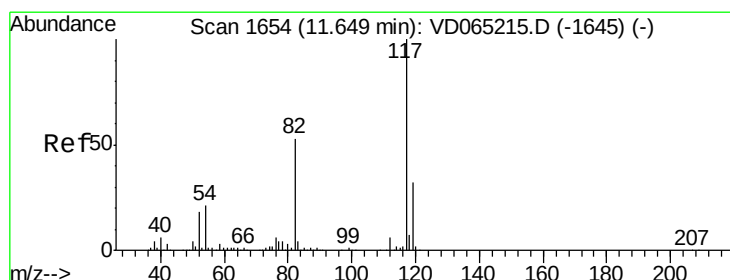
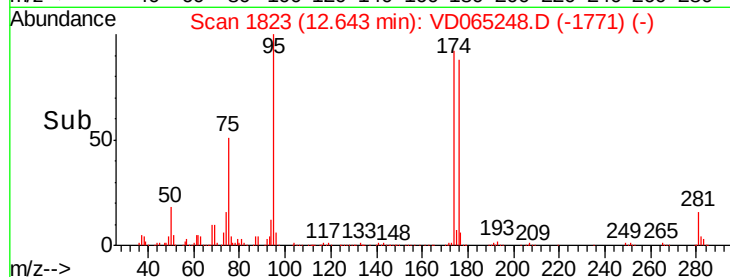
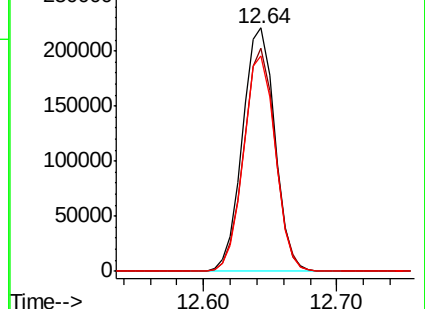
176 86.8 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065248.D

Acq: 20 Feb 2020 11:06

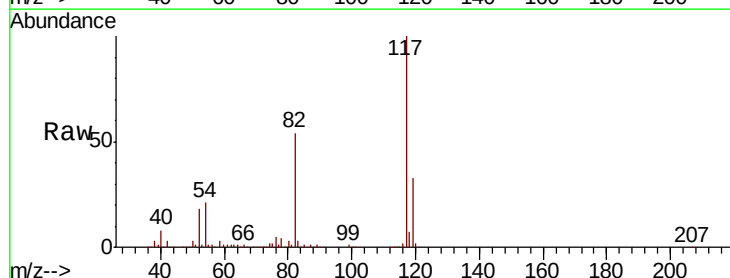
Tgt Ion: 117 Resp: 917652

Ion Ratio Lower Upper

117 100

82 53.8 42.7 64.1

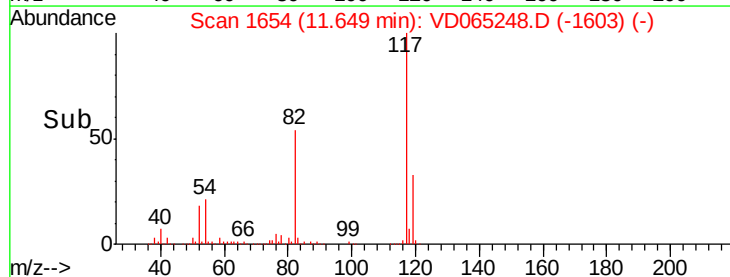
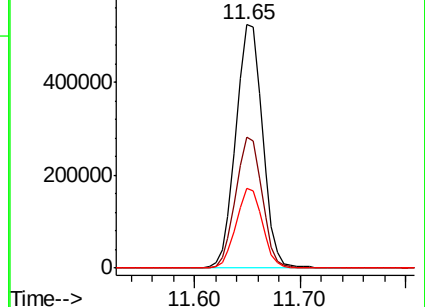
119 32.7 25.5 38.3

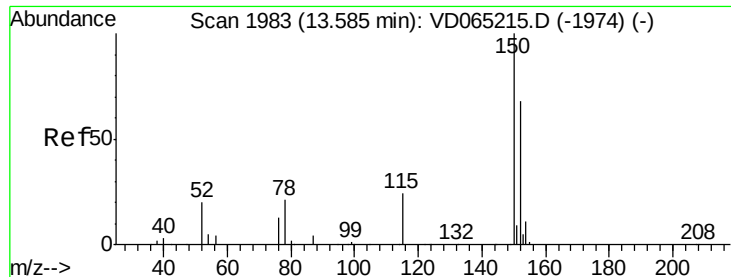


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065248.D

Acq: 20 Feb 2020 11:06

Instrument :

MSVOA_D

ClientSampled :

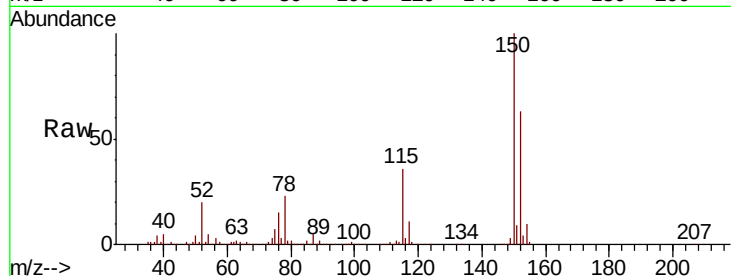
Tot Ion:152 Resp: 414653

Ion Ratio Lower Upper

152 100

115 56.1 27.6 82.8

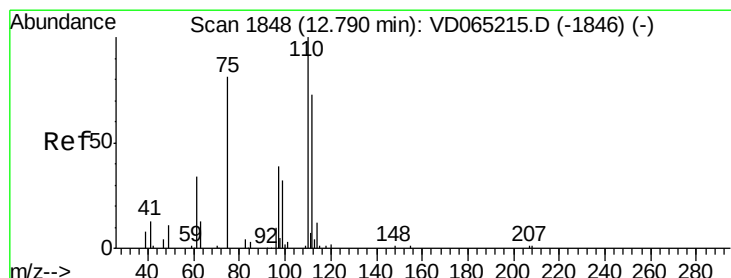
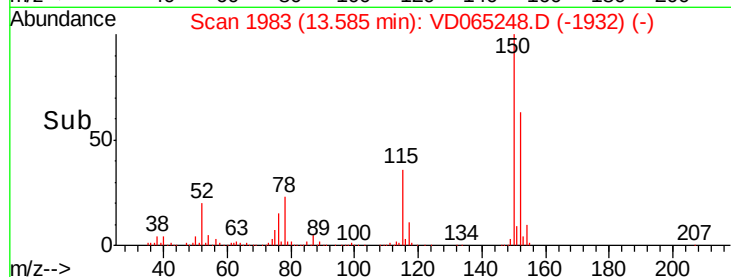
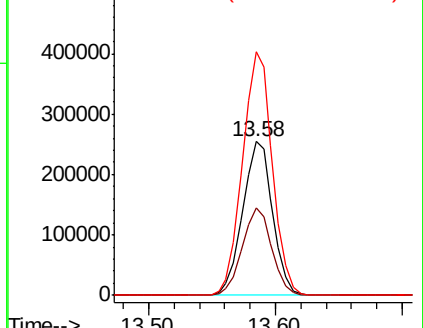
150 158.3 0.0 347.4



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: 52.044 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065248.D

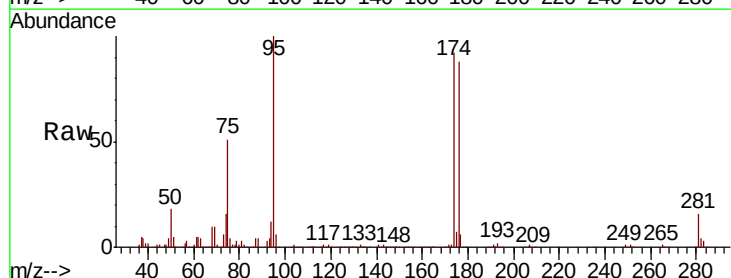
Acq: 20 Feb 2020 11:06

Tgt Ion: 75 Resp: 183612

Ion Ratio Lower Upper

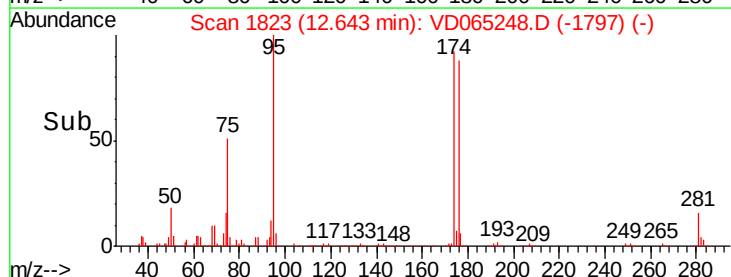
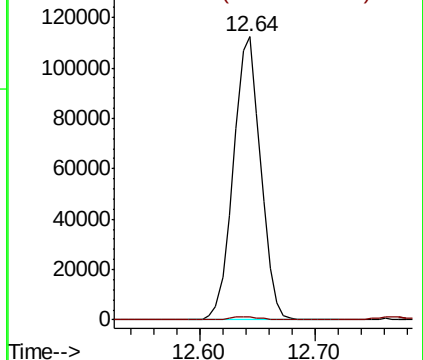
75 100

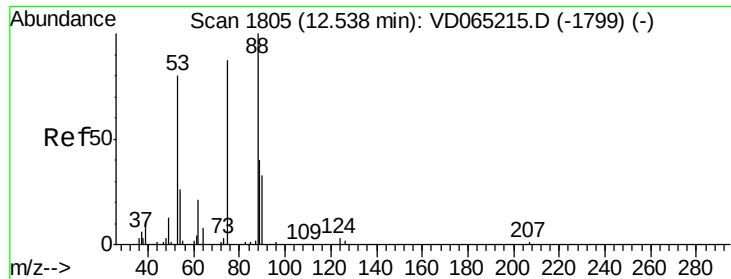
77 1.2 0.0 0.0#



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: 112.373 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065248.D

Acq: 20 Feb 2020 11:06

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 183612

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.2 37.2 55.8#

