

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065564.D
 Acq On : 31 Mar 2020 14:21
 Operator : VA/SY
 Sample : L1752-05
 Misc : 8.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 05:54:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	457470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	845747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	900299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	422485	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	255514	67.10	ug/l	0.00
Spiked Amount			Recovery	=	134.20%	
35) Dibromofluoromethane	7.93	113	287577	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
50) Toluene-d8	10.34	98	1070007	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
62) 4-Bromofluorobenzene	12.64	95	379649	61.03	ug/l	0.00
Spiked Amount			Recovery	=	122.06%	

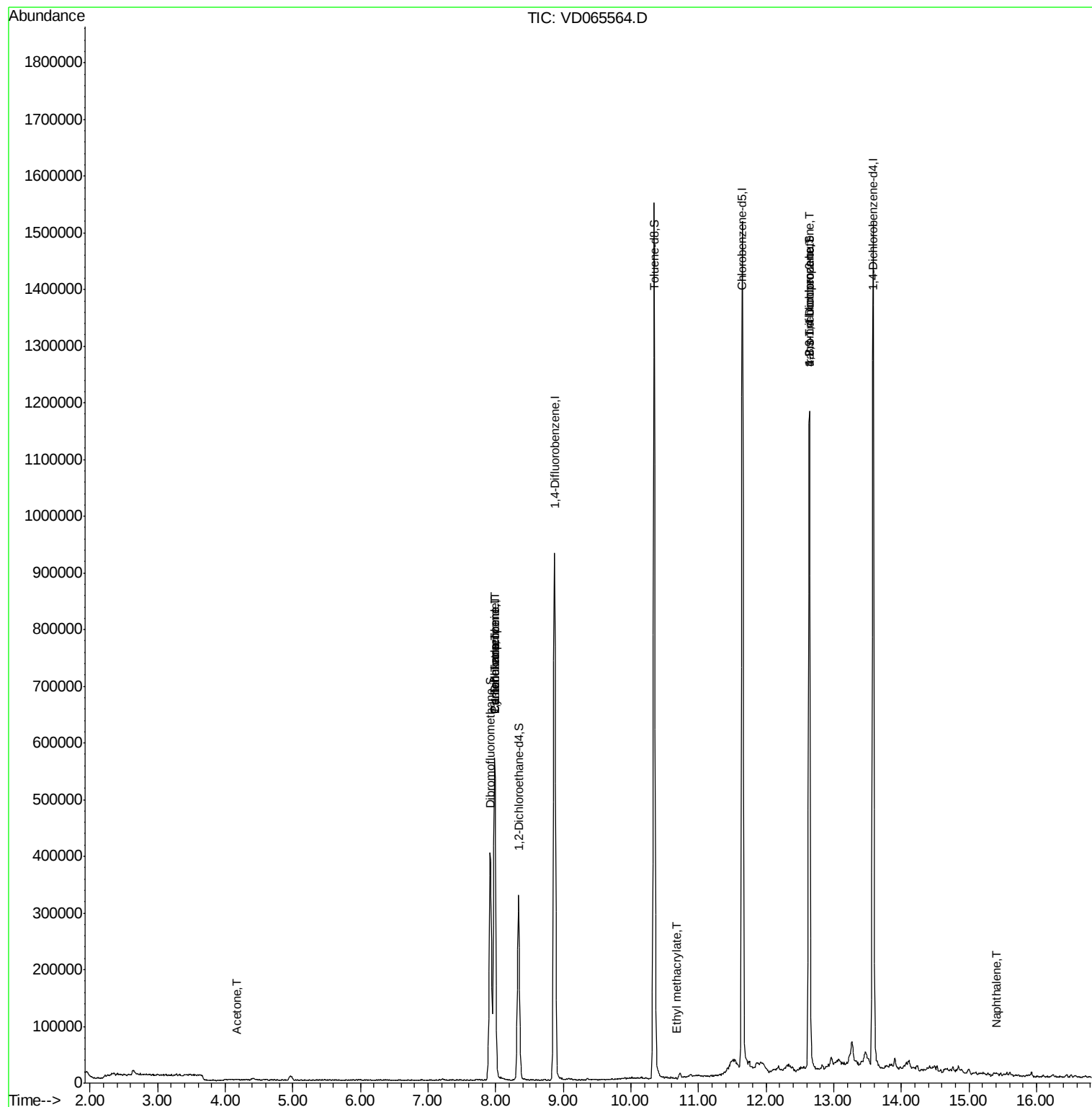
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	479	Below Cal	#	42
3) Chloromethane	2.21	50	862	Below Cal	#	81
5) Bromomethane	2.80	94	801	Below Cal	#	49
16) Acetone	4.16	43	2023	2.815	ug/l	93
20) Methylene Chloride	4.97	84	5412	Below Cal		89
31) Cyclohexane	7.98	56	8318	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30336	3.926	ug/l #	49
38) Carbon Tetrachloride	7.98	117	41750	5.130	ug/l #	18
56) Ethyl methacrylate	10.67	69	942	3.472	ug/l #	59
76) 1,2,3-Trichloropropane	12.64	75	185472	57.102	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	185472	127.462	ug/l #	13
95) Naphthalene	15.41	128	3890	4.595	ug/l #	84

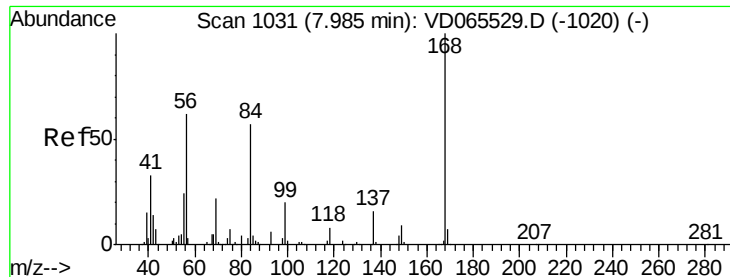
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 01:47:48 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: VD065564.D

Acq: 31 Mar 2020 14:21

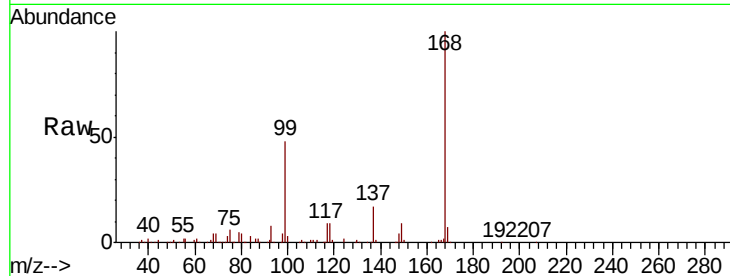
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 457470

Ion Ratio Lower Upper

168 100

99 48.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

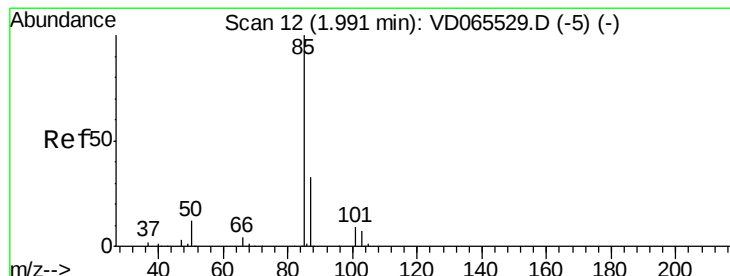
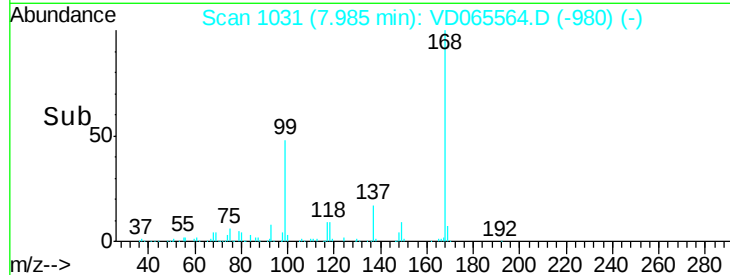
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065564.D

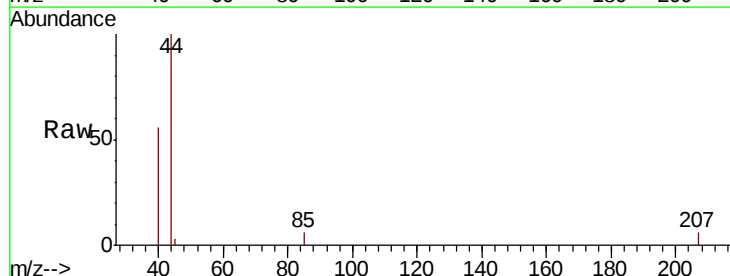
Acq: 31 Mar 2020 14:21

Tgt Ion: 85 Resp: 479

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

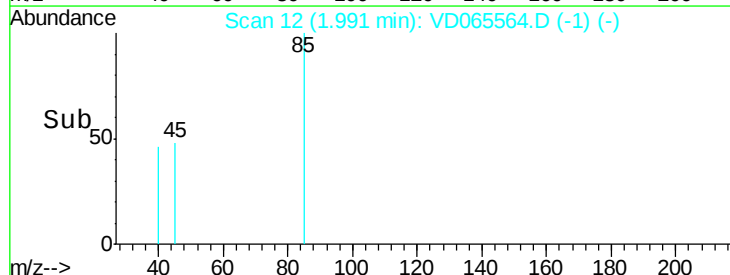
300

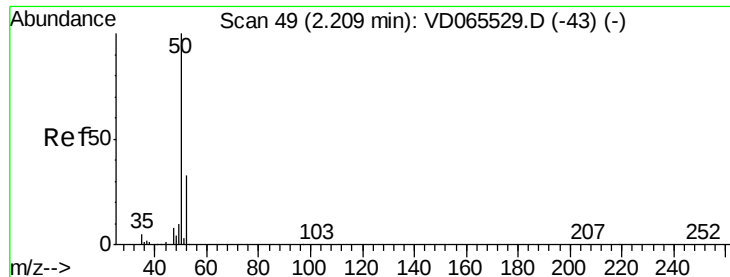
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

Instrument :

MSVOA_D

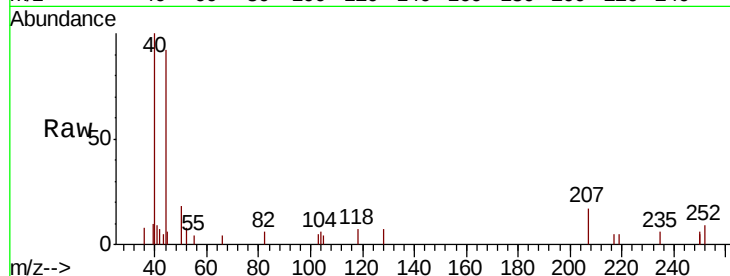
ClientSampleId :

Tot Ion: 50 Resp: 862

Ion Ratio Lower Upper

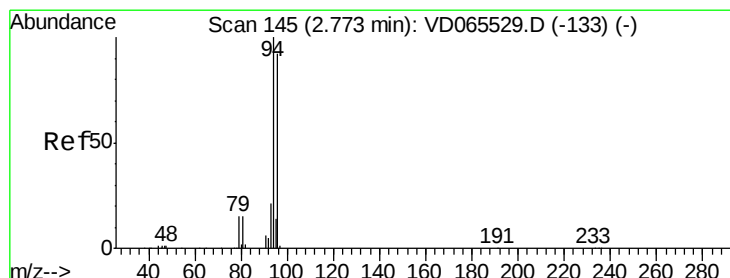
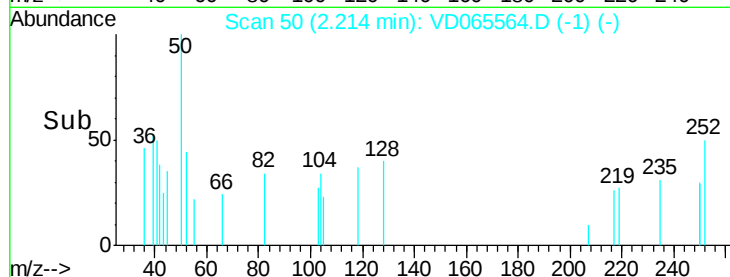
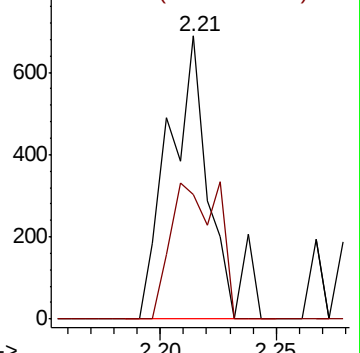
50 100

52 43.9 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.80 min Scan# 149

Delta R.T. 0.02 min

Lab File: VD065564.D

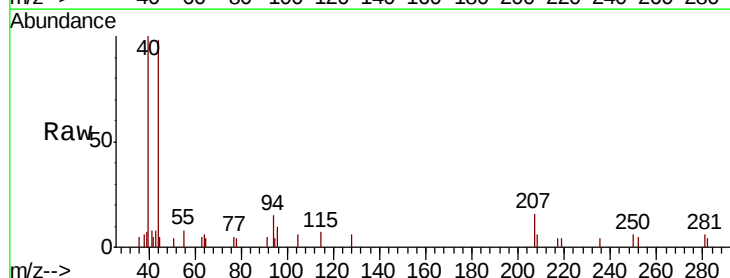
Acq: 31 Mar 2020 14:21

Tgt Ion: 94 Resp: 801

Ion Ratio Lower Upper

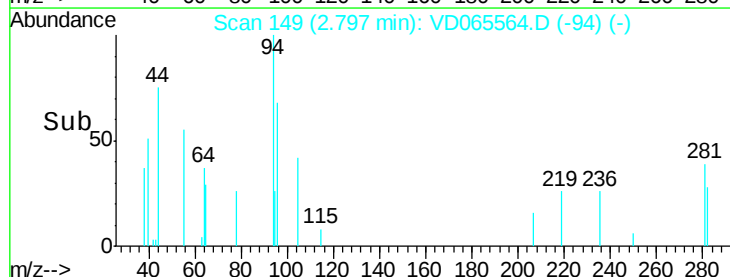
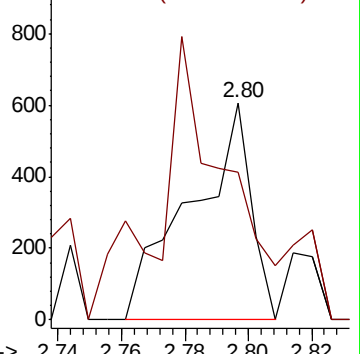
94 100

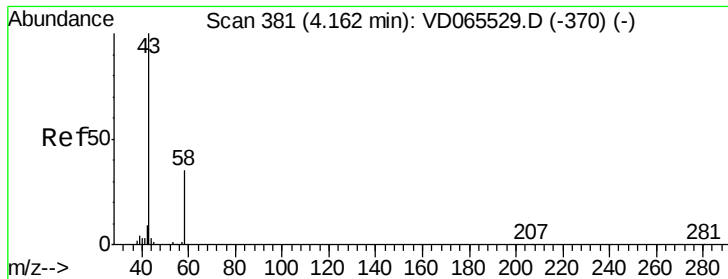
96 42.7 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 2.815 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

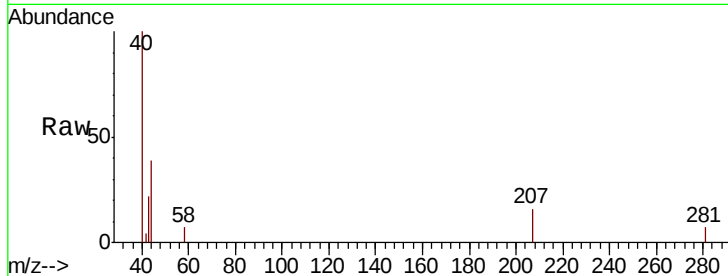
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2023

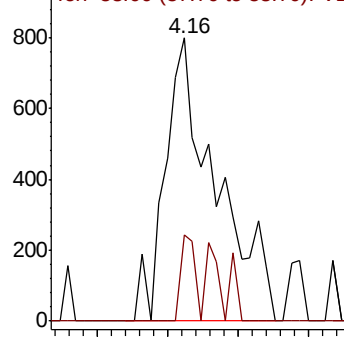
Ion Ratio Lower Upper

43 100

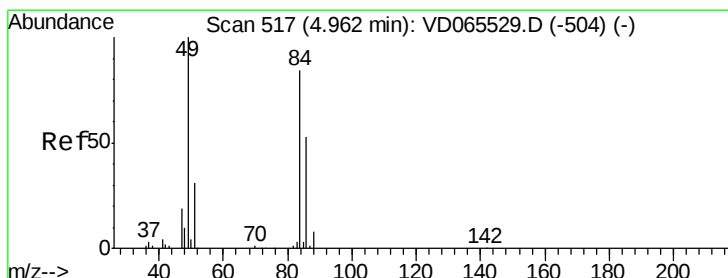
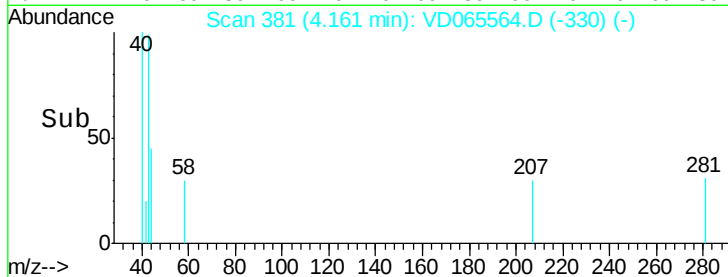
58 30.7 27.9 41.9



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



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

Tgt Ion: 84 Resp: 5412

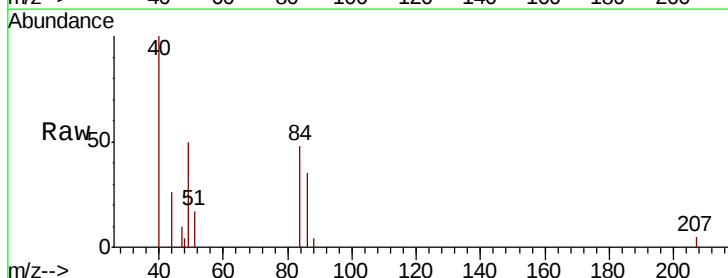
Ion Ratio Lower Upper

84 100

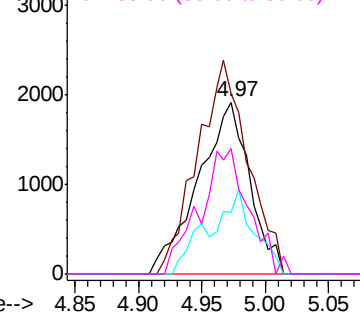
49 105.4 95.6 143.4

51 35.5 29.4 44.2

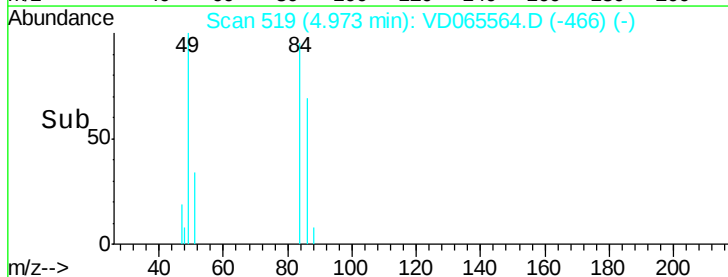
86 73.2 50.6 76.0

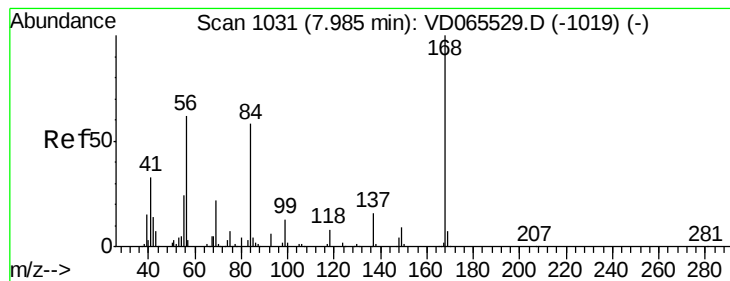


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



Time-->





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

Instrument :
MSVOA_D
ClientSampled :

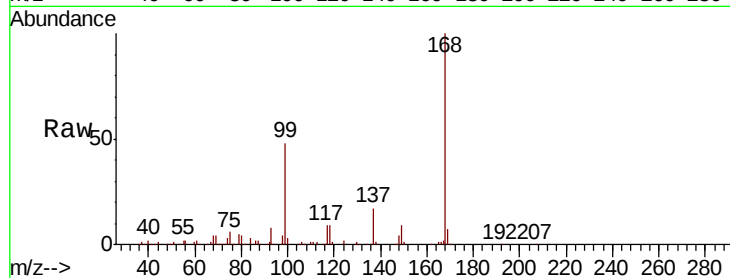
Tot Ion: 56 Resp: 8318

Ion Ratio Lower Upper

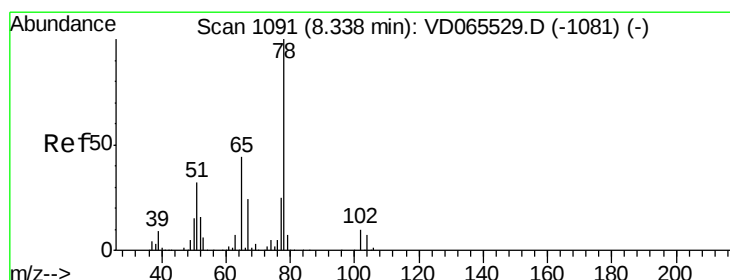
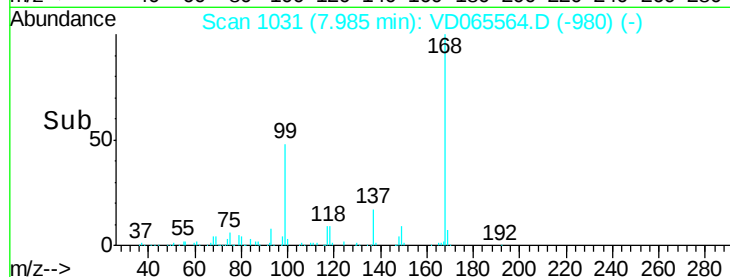
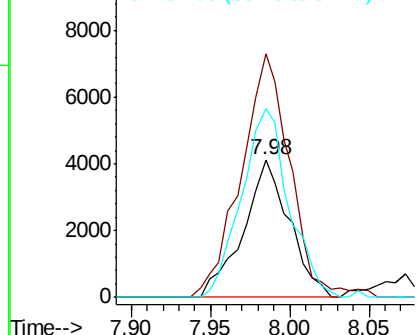
56 100

69 177.0 28.2 42.4#

84 137.1 73.4 110.0#



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: 67.097 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065564.D

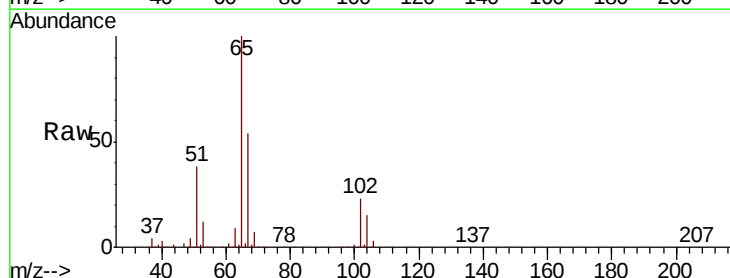
Acq: 31 Mar 2020 14:21

Tgt Ion: 65 Resp: 255514

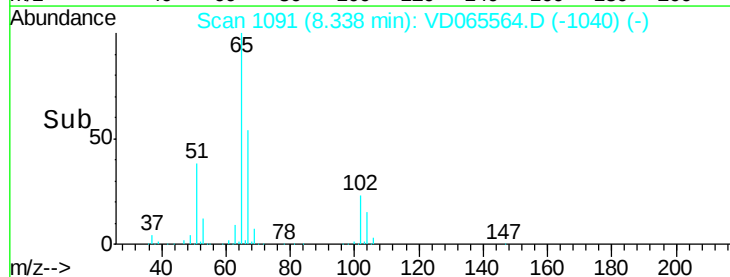
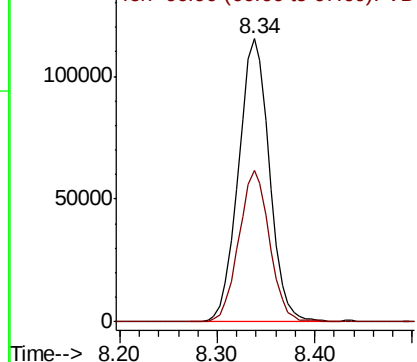
Ion Ratio Lower Upper

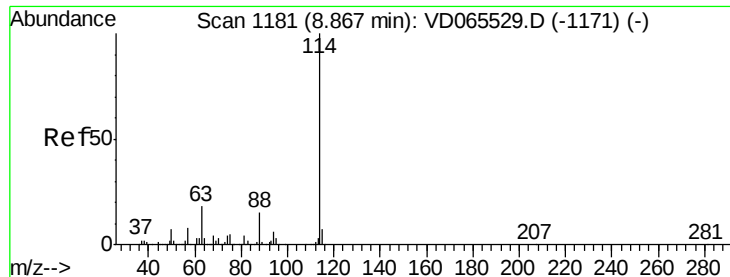
65 100

67 53.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

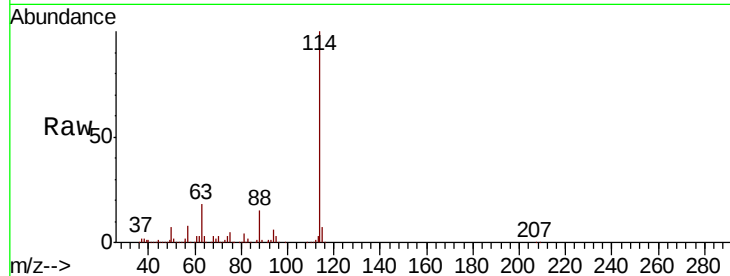




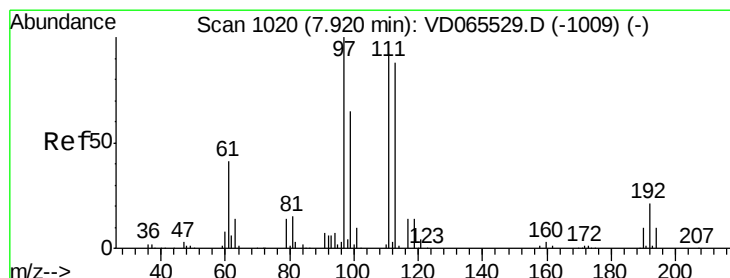
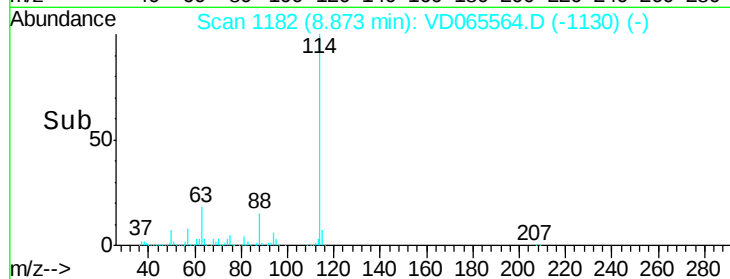
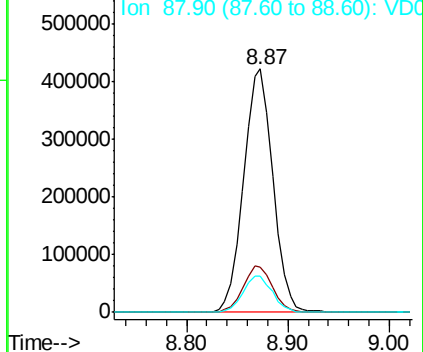
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065564.D
 Acq: 31 Mar 2020 14:21

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 845747
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.0
 88 15.1 0.0 30.4

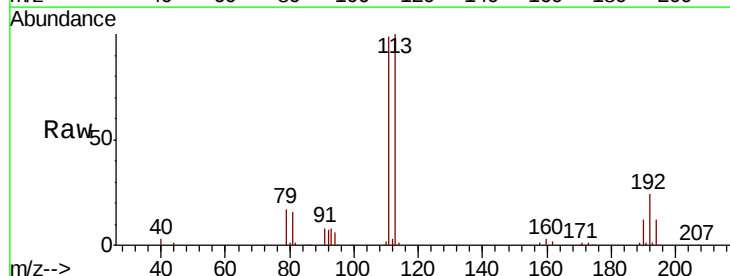


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

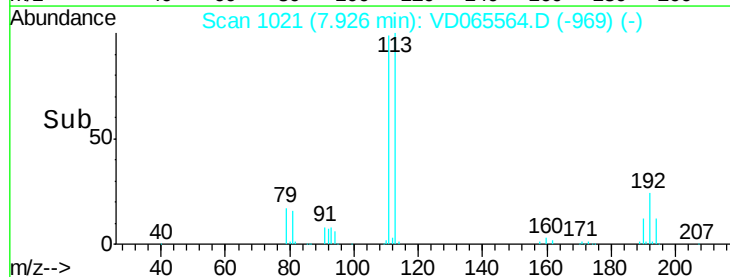
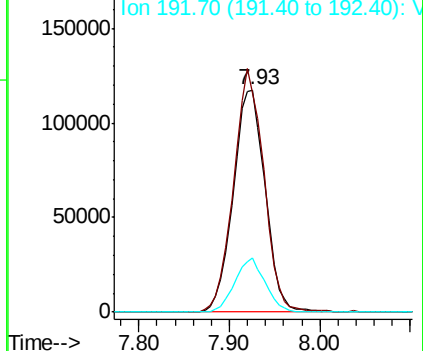


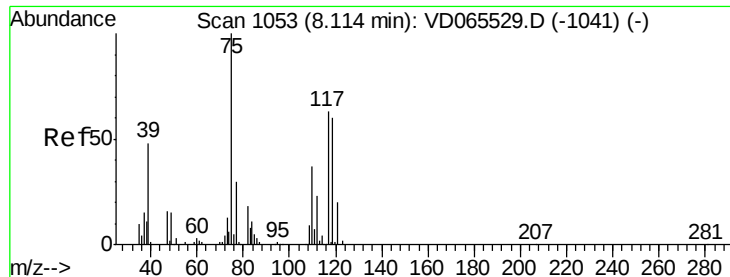
#35
 Dibromofluoromethane
 Concen: 55.088 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD065564.D
 Acq: 31 Mar 2020 14:21

Tgt Ion:113 Resp: 287577
 Ion Ratio Lower Upper
 113 100
 111 103.8 83.3 124.9
 192 23.0 18.5 27.7



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

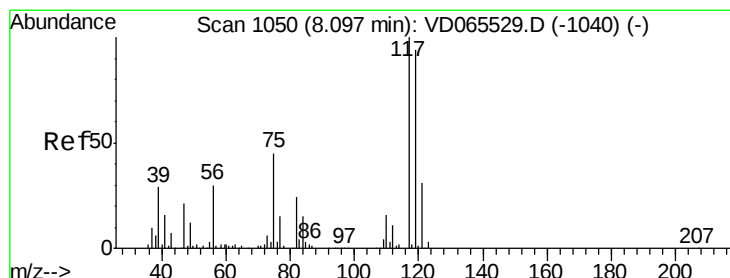
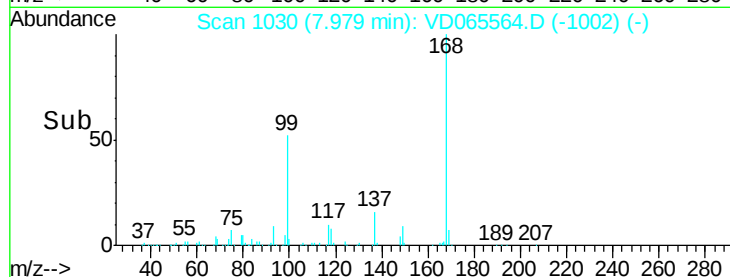
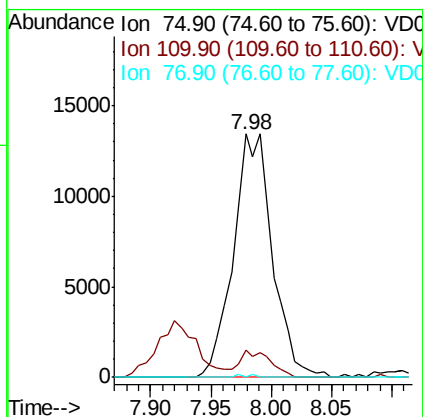
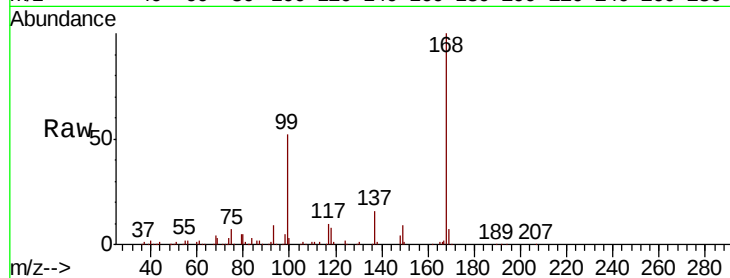




#36
 1,1-Dichloropropene
 Concen: 3.926 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065564.D
 Acq: 31 Mar 2020 14:21

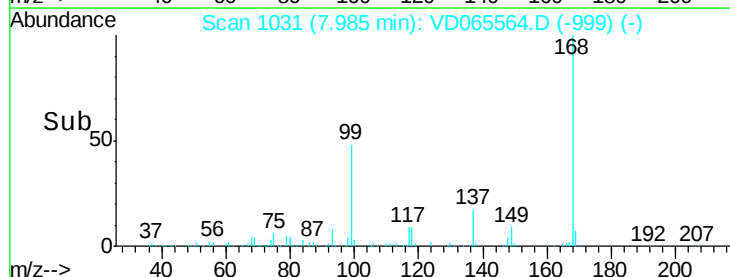
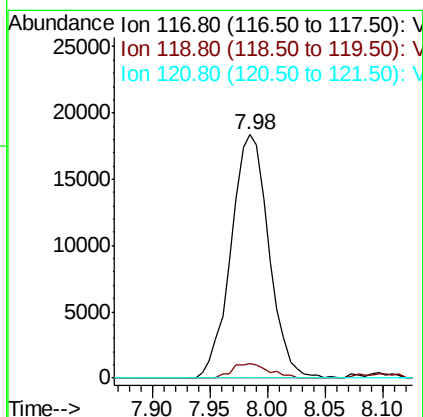
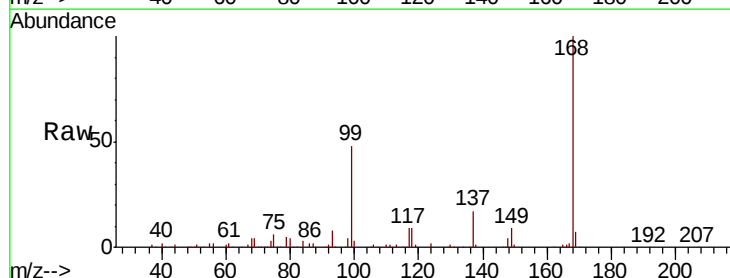
Instrument :
 MSVOA_D
 ClientSampleId :

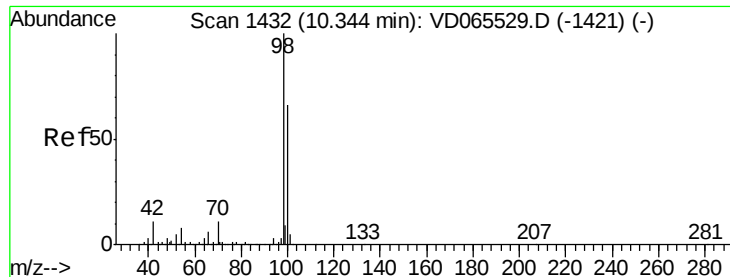
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.8	56.4#
77	0.4	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.130 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065564.D
 Acq: 31 Mar 2020 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.2	112.8#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 54.596 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

Instrument :

MSVOA_D

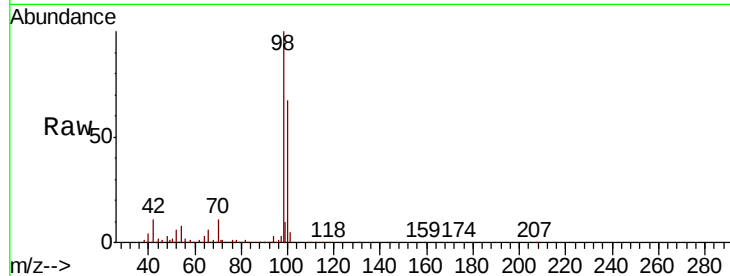
ClientSampleId :

Tot Ion: 98 Resp: 1070007

Ion Ratio Lower Upper

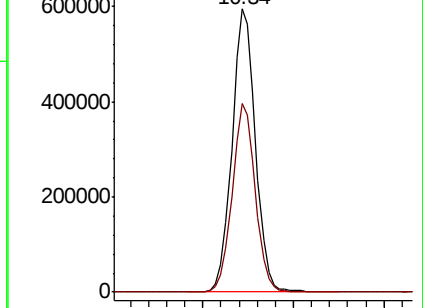
98 100

100 65.8 52.2 78.2

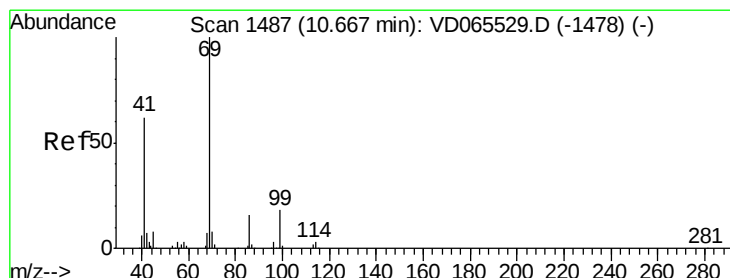
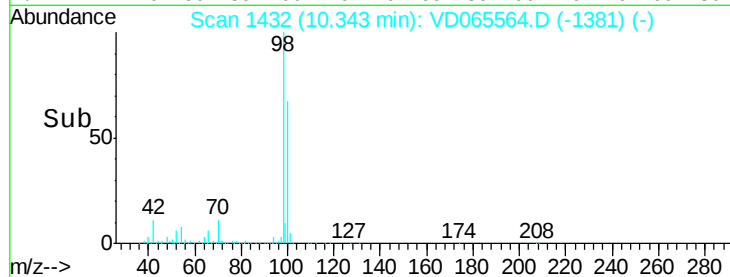


Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->



#56

Ethyl methacrylate

Concen: 3.472 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

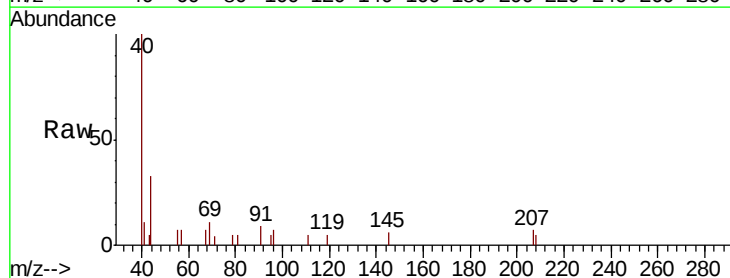
Tgt Ion: 69 Resp: 942

Ion Ratio Lower Upper

69 100

41 38.3 51.3 76.9#

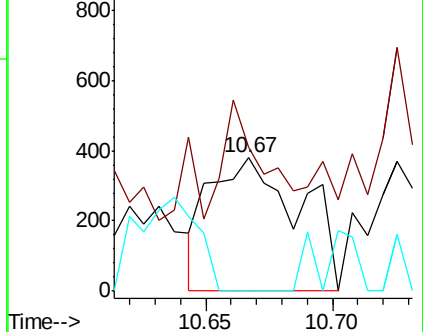
39 0.0 25.3 37.9#



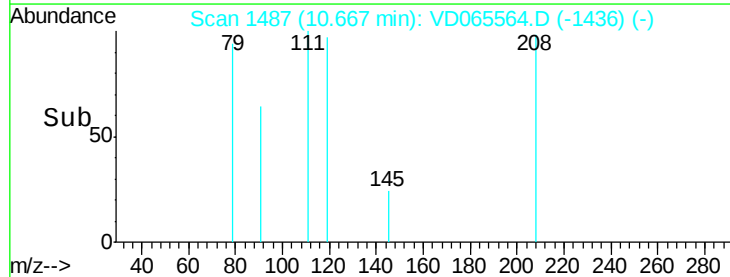
Abundance Ion 69.00 (68.70 to 69.70): VDC

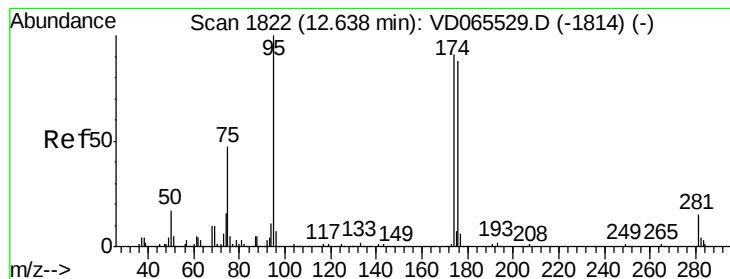
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: 61.033 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

Instrument :

MSVOA_D

ClientSampleId :

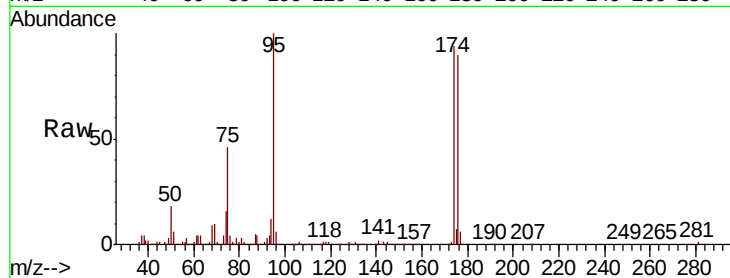
Tot Ion: 95 Resp: 379649

Ion Ratio Lower Upper

95 100

174 93.5 0.0 183.8

176 89.1 0.0 178.2



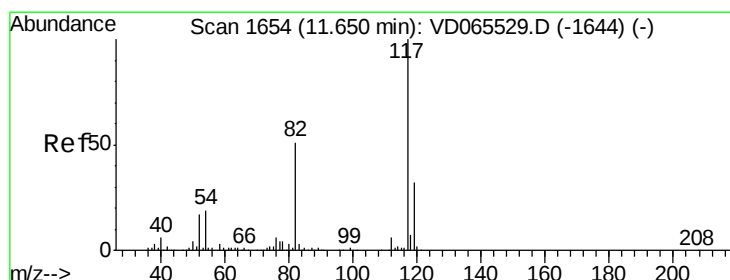
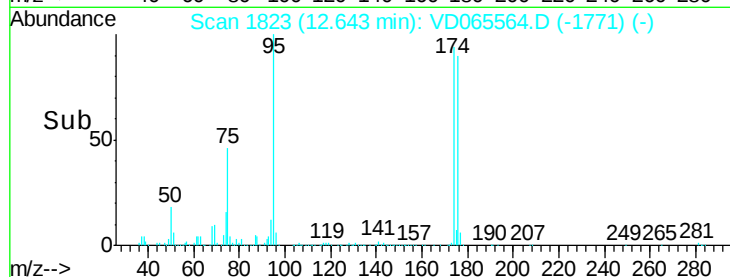
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

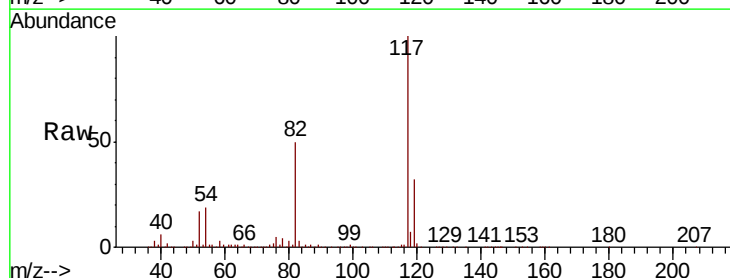
Tgt Ion: 117 Resp: 900299

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.6

119 32.1 25.5 38.3



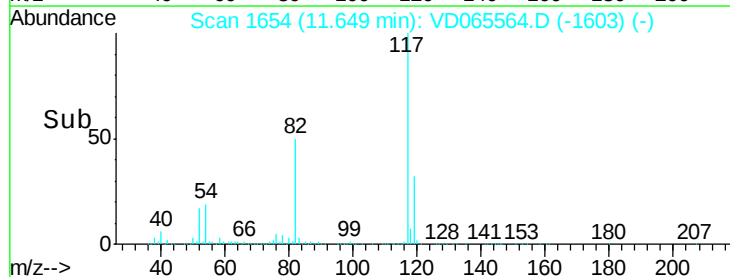
Abundance Ion 116.90 (116.60 to 117.60): V

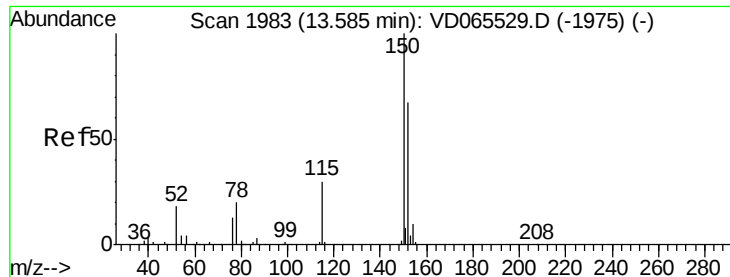
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65

Time-->



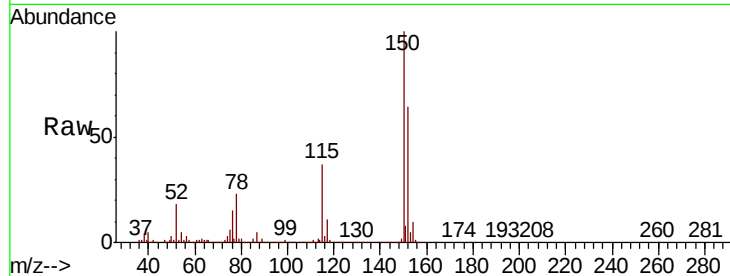


#72

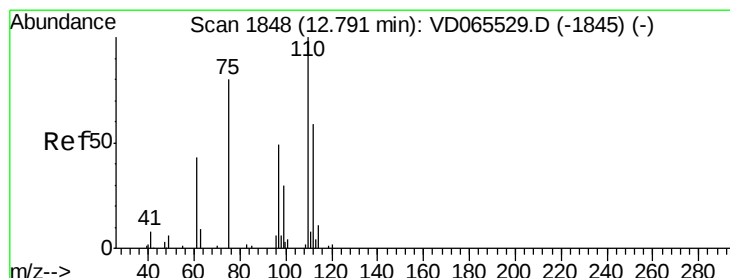
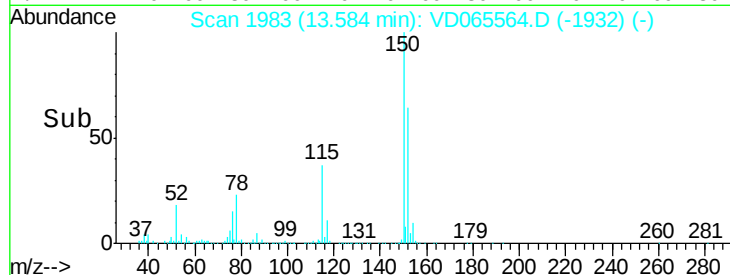
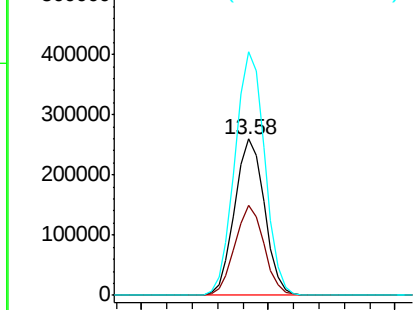
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065564.D
Acq: 31 Mar 2020 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 422485
Ion Ratio Lower Upper
152 100
115 56.5 27.2 81.6
150 156.4 0.0 340.2



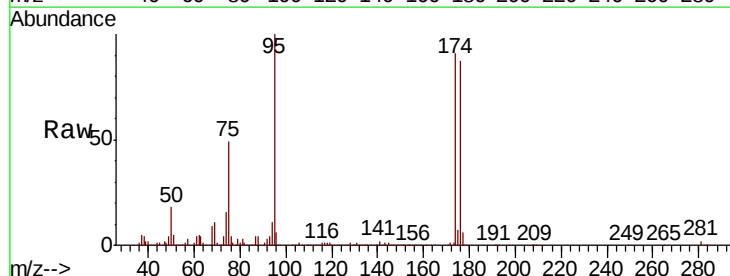
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



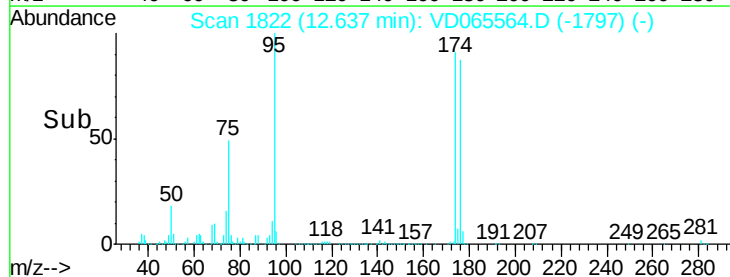
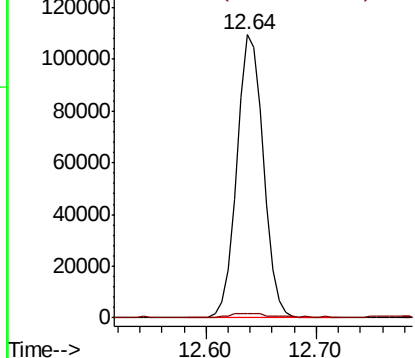
#76

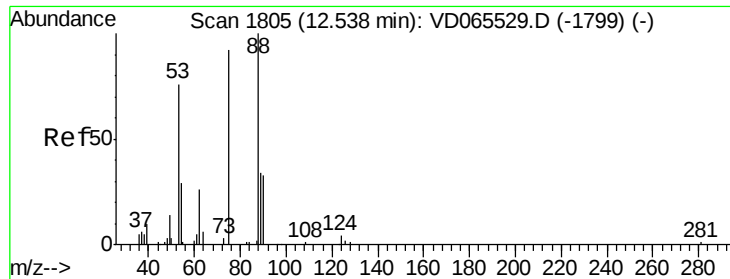
1,2,3-Trichloropropane
Concen: 57.102 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065564.D
Acq: 31 Mar 2020 14:21

Tgt Ion: 75 Resp: 185472
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 127.462 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

Instrument :

MSVOA_D

ClientSampled :

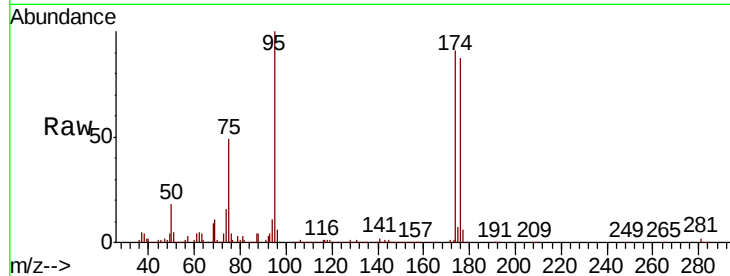
Tot Ion: 75 Resp: 185472

Ion Ratio Lower Upper

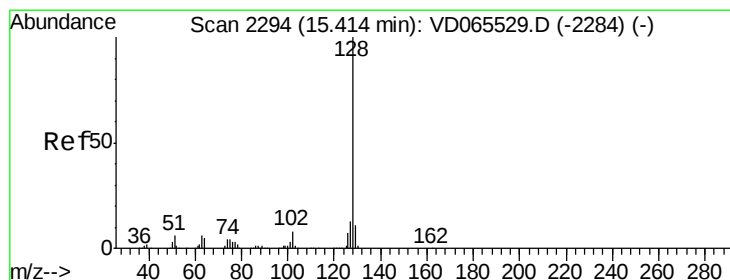
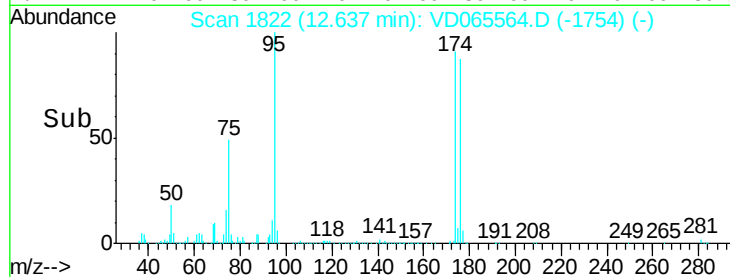
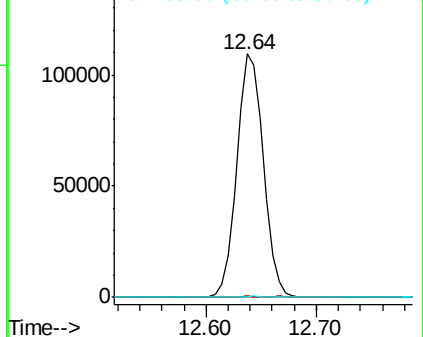
75 100

53 0.3 72.4 108.6#

89 0.1 36.9 55.3#



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



#95

Naphthalene

Concen: 4.595 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065564.D

Acq: 31 Mar 2020 14:21

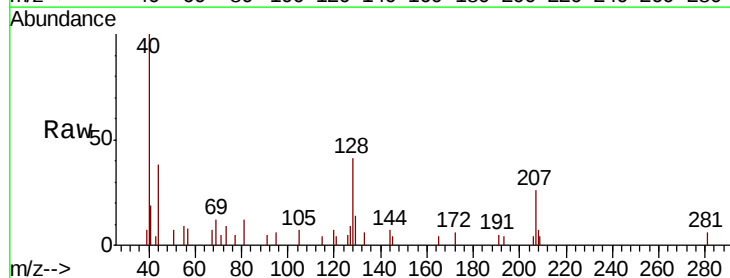
Tgt Ion: 128 Resp: 3890

Ion Ratio Lower Upper

128 100

127 16.9 10.4 15.6#

129 19.7 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

