

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065549.D
 Acq On : 27 Mar 2020 17:38
 Operator : VA/SY
 Sample : L2040-13RE
 Misc : 6.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:35:50 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	390792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	759134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	793428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	389701	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	225838	69.42	ug/l	0.00
Spiked Amount			Recovery	=	138.84%	
35) Dibromofluoromethane	7.92	113	265048	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
50) Toluene-d8	10.34	98	972046	55.26	ug/l	0.00
Spiked Amount			Recovery	=	110.52%	
62) 4-Bromofluorobenzene	12.64	95	334454	59.90	ug/l	0.00
Spiked Amount			Recovery	=	119.80%	

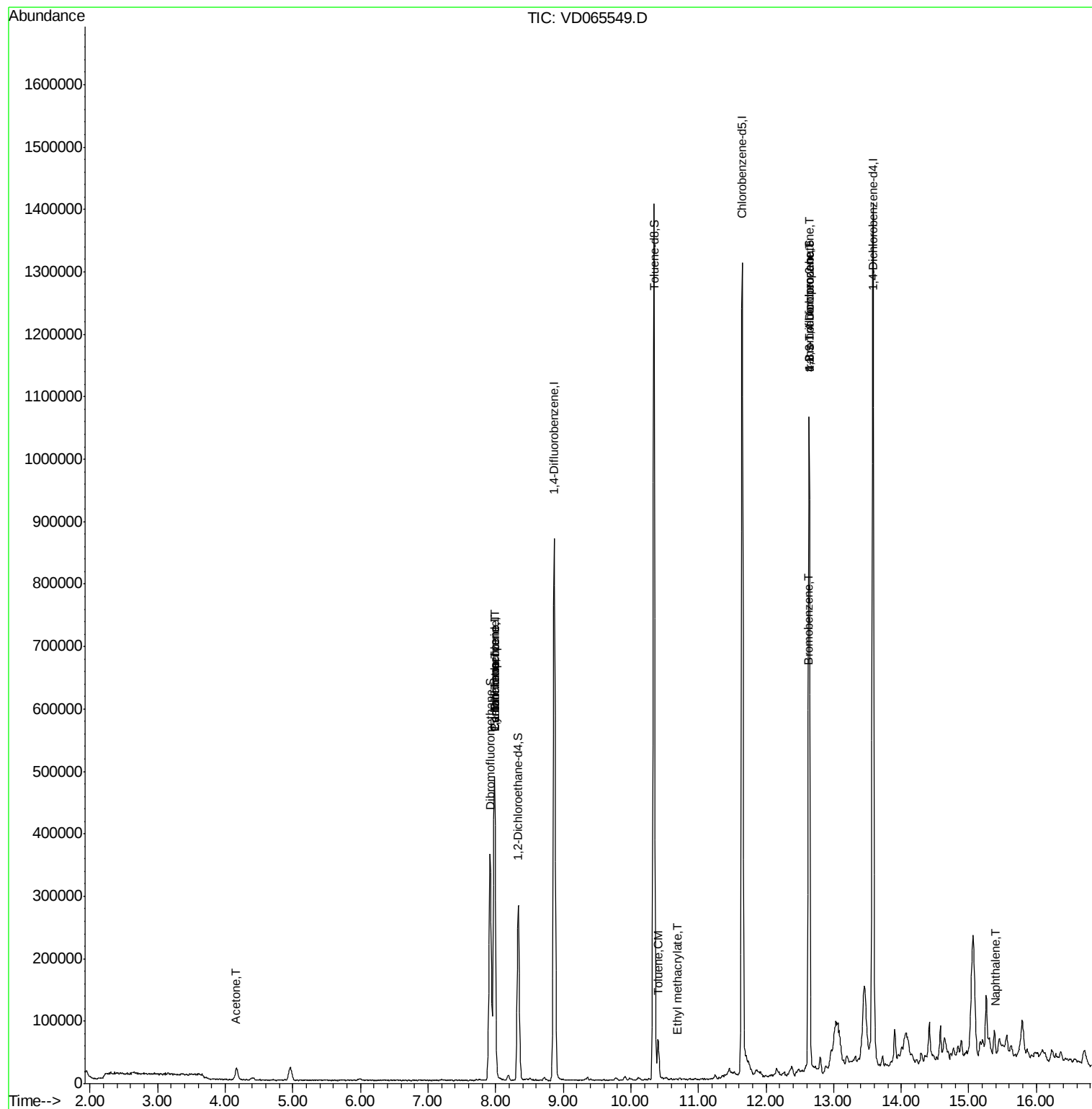
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	120	Below Cal	#	42
3) Chloromethane	2.20	50	417	Below Cal	#	42
5) Bromomethane	2.76	94	100	Below Cal	#	4
16) Acetone	4.16	43	34441	56.110	ug/l	95
20) Methylene Chloride	4.96	84	16234	Below Cal		92
31) Cyclohexane	7.98	56	7827	1.280	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	26633	3.840	ug/l #	50
38) Carbon Tetrachloride	7.98	117	35335	4.837	ug/l #	17
52) Toluene	10.40	92	23667	1.888	ug/l	90
56) Ethyl methacrylate	10.68	69	120	3.318	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	162456	54.223	ug/l #	100
77) Bromobenzene	12.62	156	7137	1.141	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	162456	121.037	ug/l #	13
95) Naphthalene	15.41	128	1735	4.454	ug/l #	60

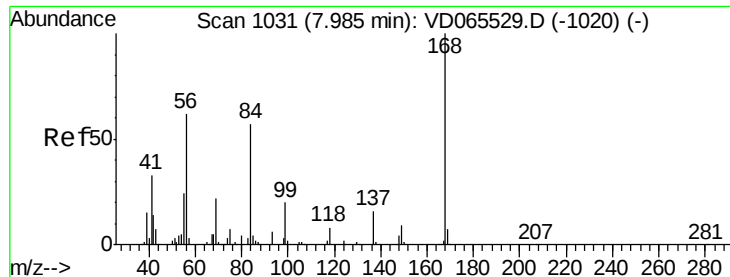
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032720\
Data File : VD065549.D
Acq On : 27 Mar 2020 17:38
Operator : VA/SY
Sample : L2040-13RE
Misc : 6.92G/5.00ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 30 06:35:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
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: VD065549.D

Acq: 27 Mar 2020 17:38

Instrument :

MSVOA_D

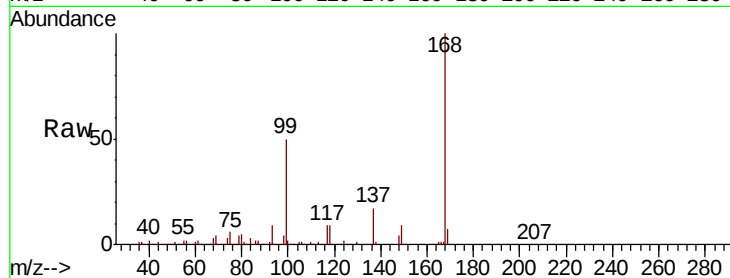
ClientSampleId :

Tot Ion:168 Resp: 390792

Ion Ratio Lower Upper

168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

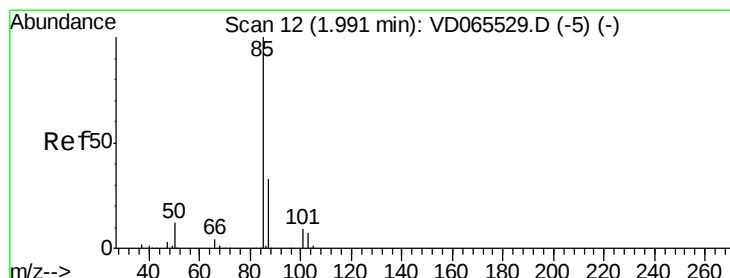
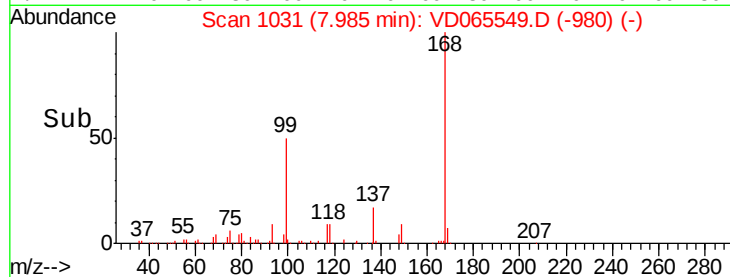
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065549.D

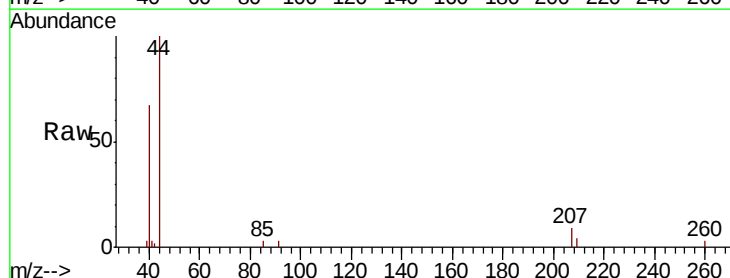
Acq: 27 Mar 2020 17:38

Tgt Ion: 85 Resp: 120

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

200

150

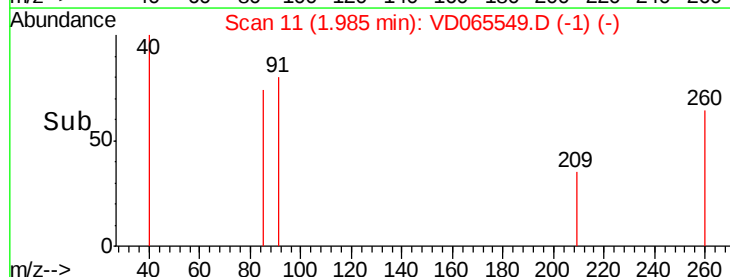
100

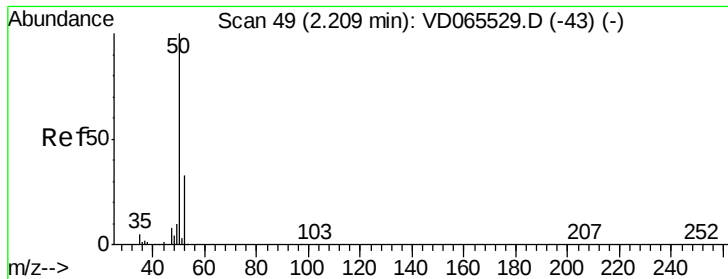
50

0

1.96 1.98 2.00

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

Instrument :

MSVOA_D

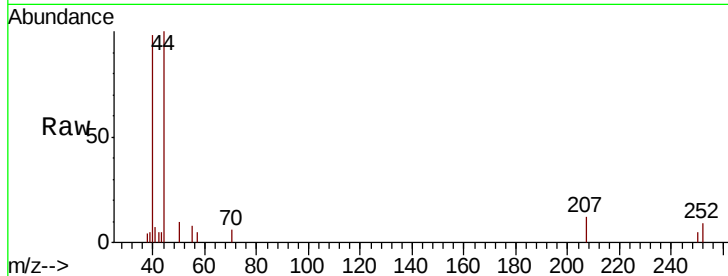
ClientSampleId :

Tot Ion: 50 Resp: 417

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



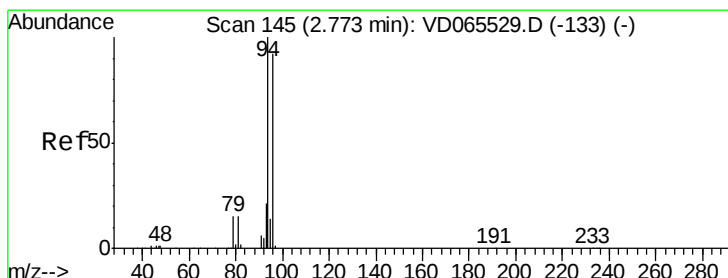
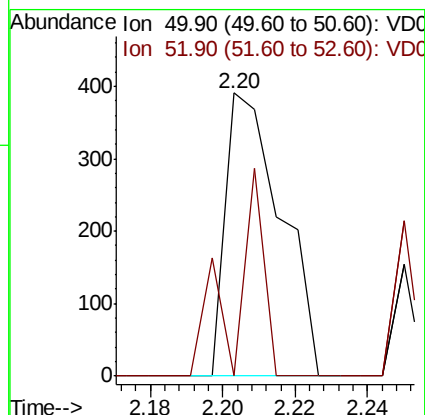
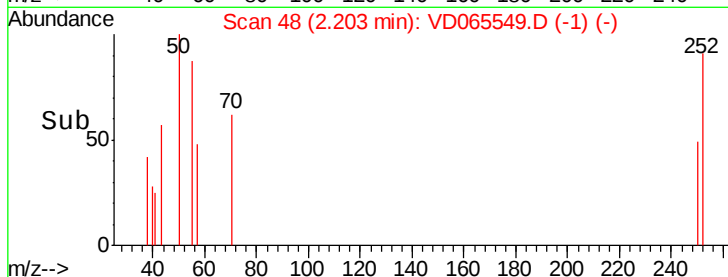
Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

2.22

2.24



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065549.D

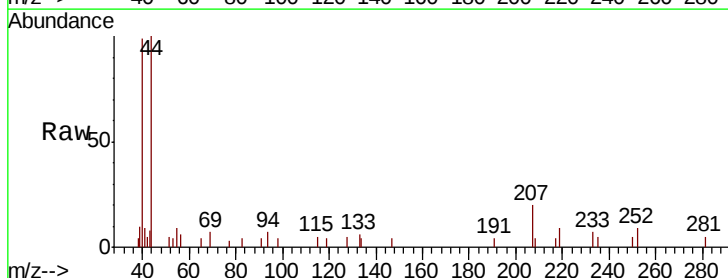
Acq: 27 Mar 2020 17:38

Tgt Ion: 94 Resp: 100

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

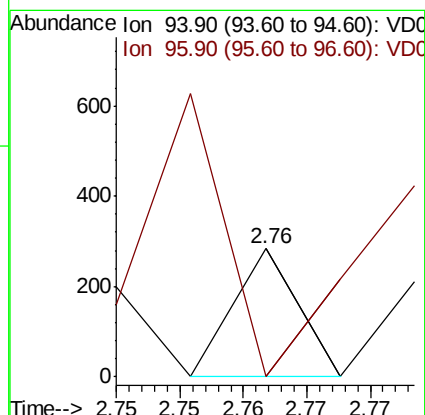
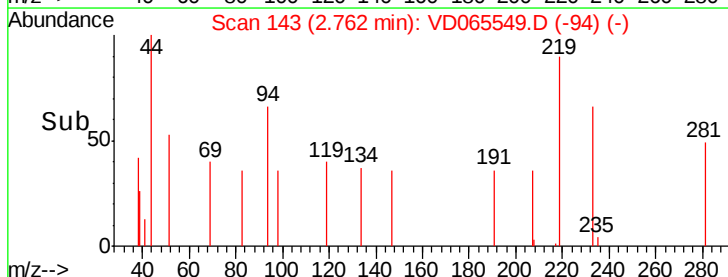


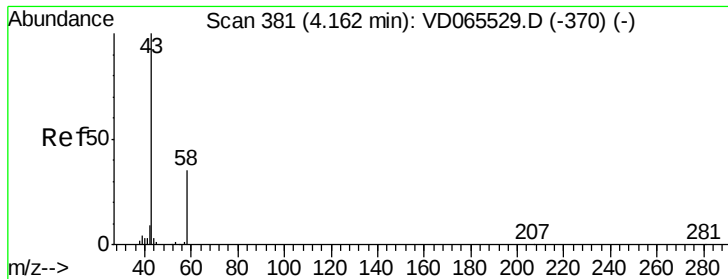
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

2.77

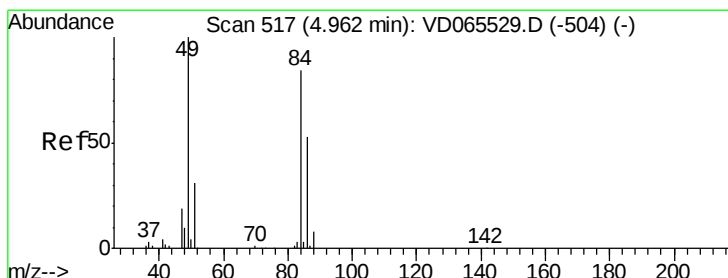
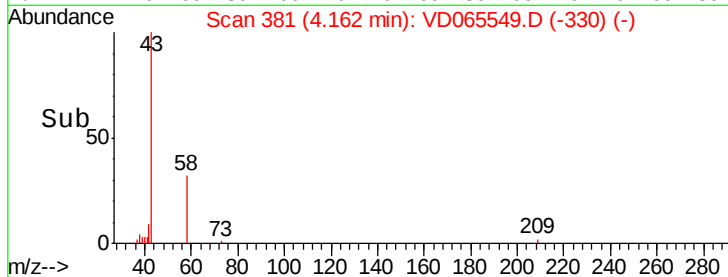
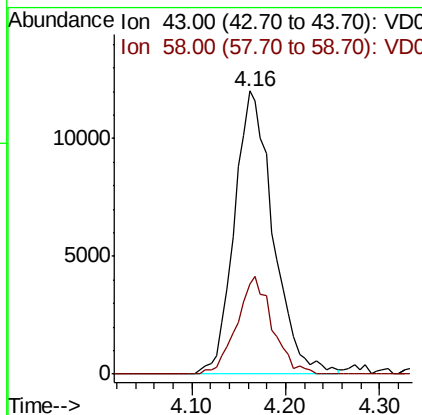
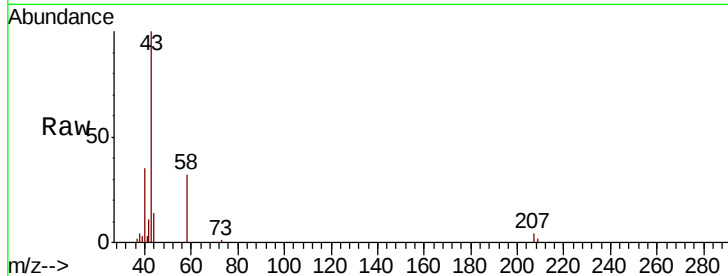




#16
Acetone
Concen: 56.110 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.00 min
Lab File: VD065549.D
Acq: 27 Mar 2020 17:38

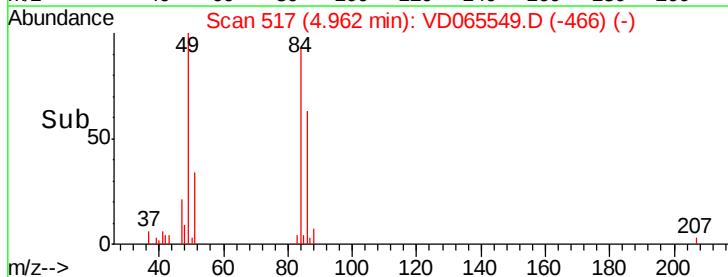
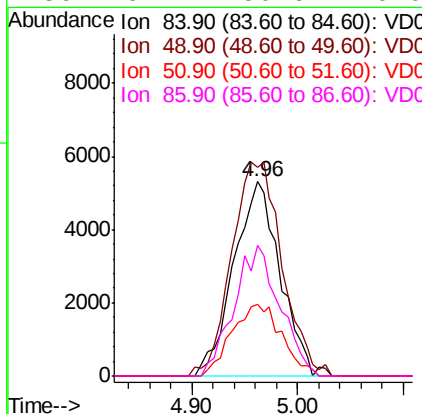
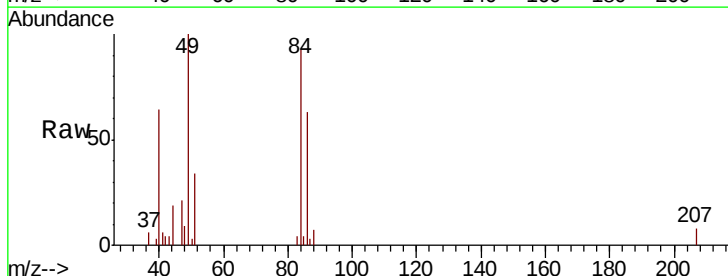
Instrument :
MSVOA_D
ClientSampleId :

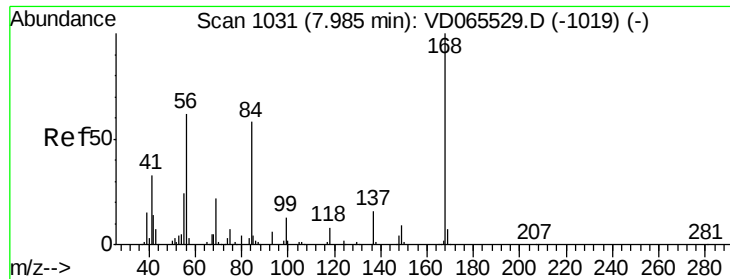
Tot Ion: 43 Resp: 34441
Ion Ratio Lower Upper
43 100
58 31.9 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065549.D
Acq: 27 Mar 2020 17:38

Tgt Ion: 84 Resp: 16234
Ion Ratio Lower Upper
84 100
49 107.2 95.6 143.4
51 36.9 29.4 44.2
86 67.4 50.6 76.0

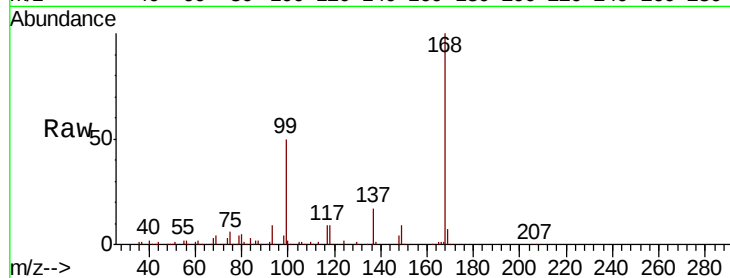




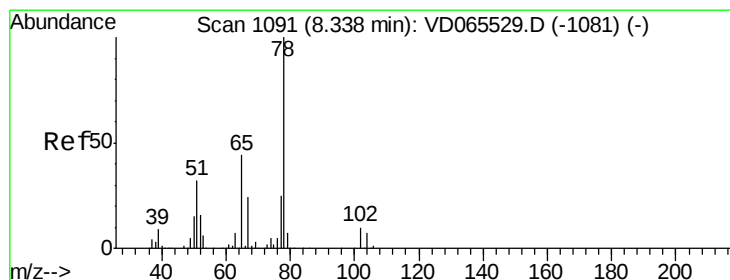
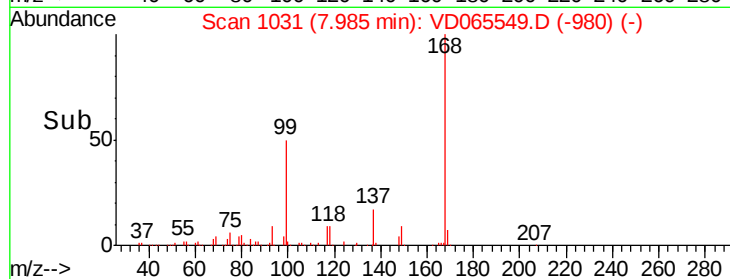
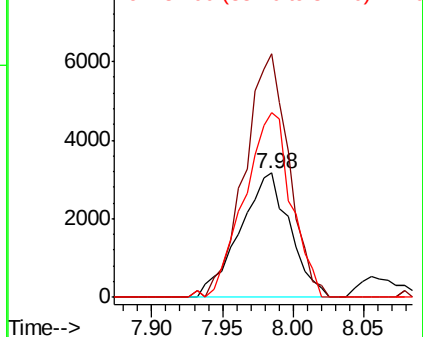
#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065549.D
Acq: 27 Mar 2020 17:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 7827
Ion Ratio Lower Upper
56 100
69 196.3 28.2 42.4#
84 149.5 73.4 110.0#

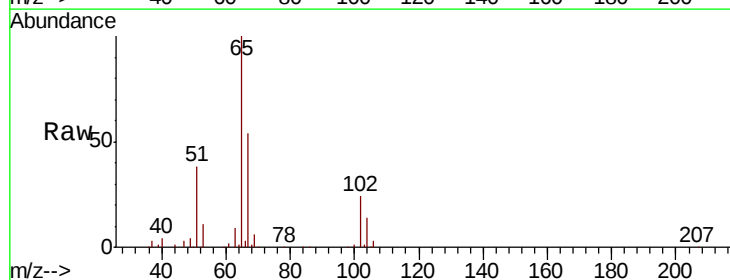


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

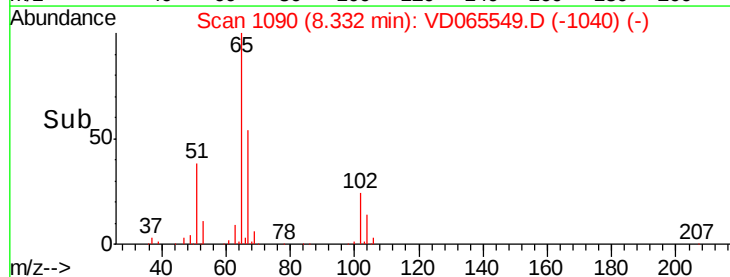
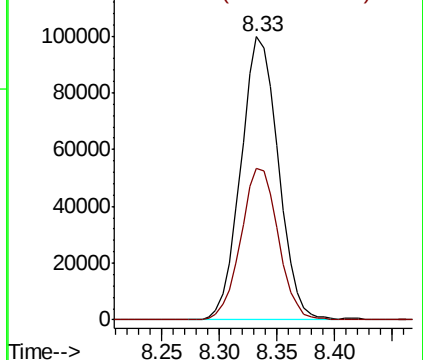


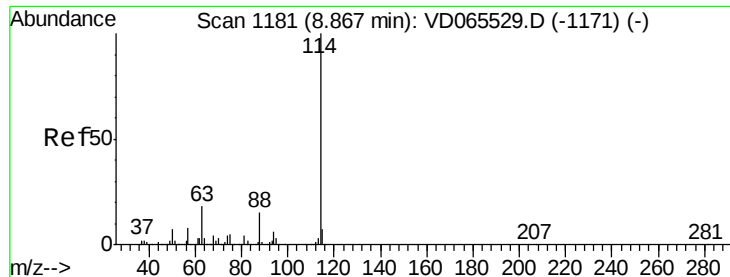
#33
1,2-Dichloroethane-d4
Concen: 69.423 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065549.D
Acq: 27 Mar 2020 17:38

Tgt Ion: 65 Resp: 225838
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.6



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

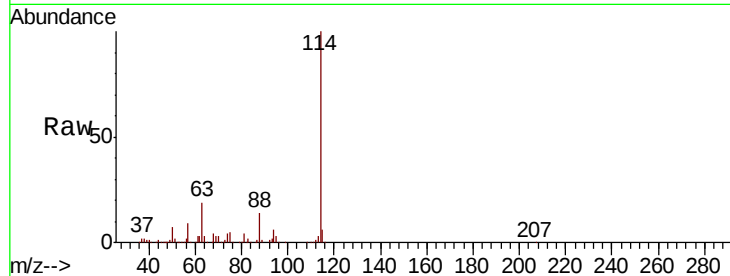




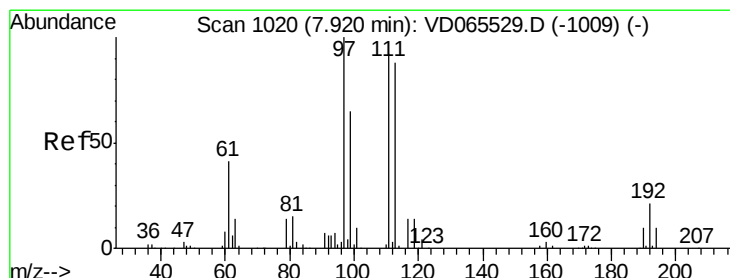
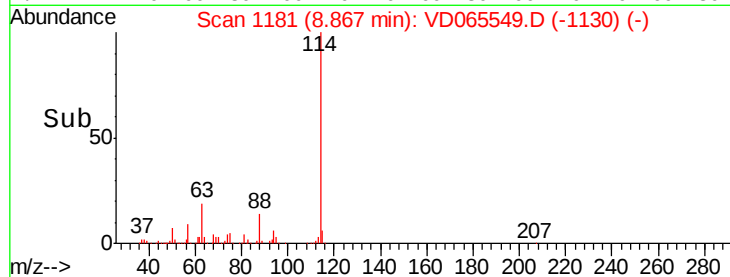
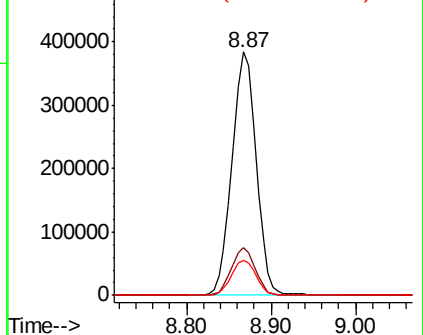
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065549.D
 Acq: 27 Mar 2020 17:38

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:114 Resp: 759134
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.0
 88 14.4 0.0 30.4

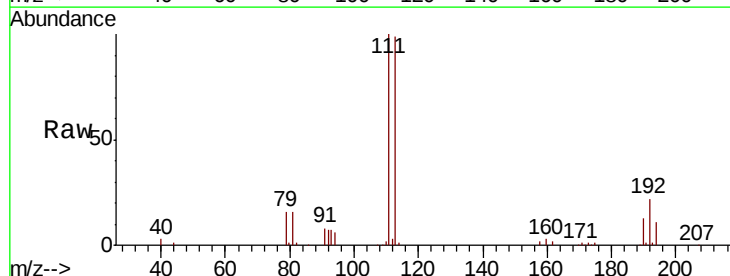


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

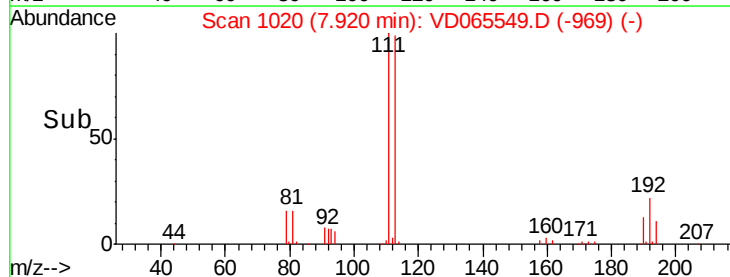
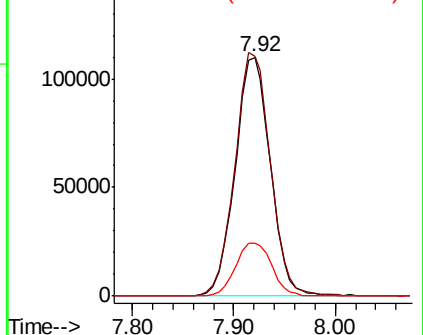


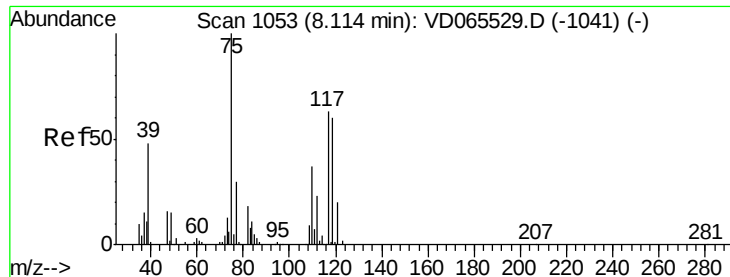
#35
 Dibromofluoromethane
 Concen: 56.565 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065549.D
 Acq: 27 Mar 2020 17:38

Tgt Ion:113 Resp: 265048
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.3 124.9
 192 22.9 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: 3.840 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

Instrument :
MSVOA_D
ClientSampleId :

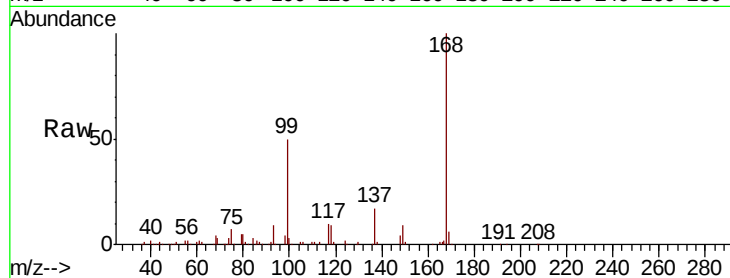
Tot Ion: 75 Resp: 26633

Ion Ratio Lower Upper

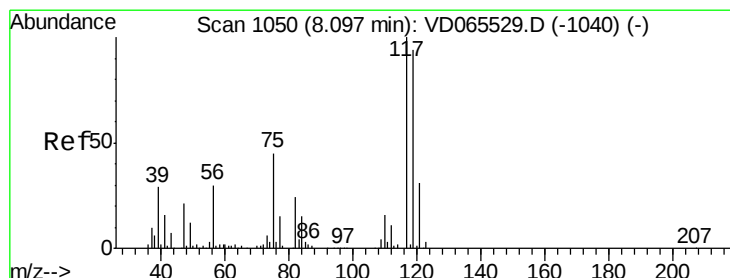
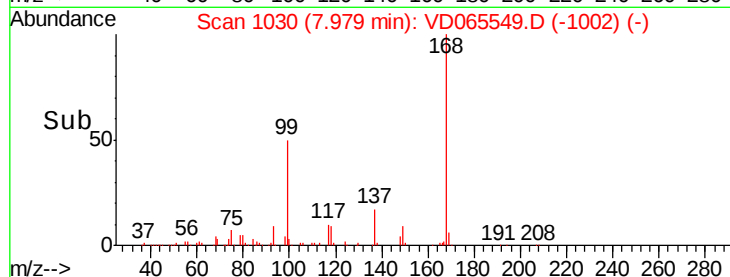
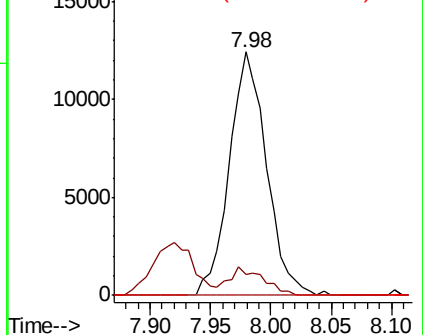
75 100

110 10.5 18.8 56.4#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 4.837 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

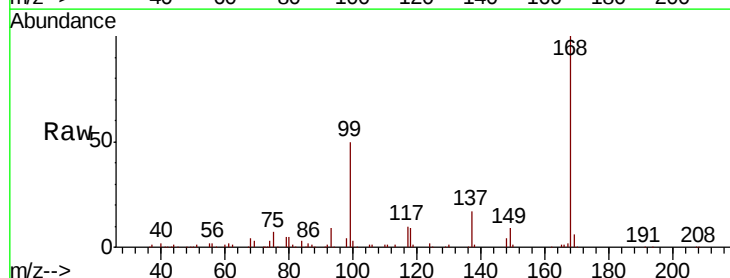
Tgt Ion: 117 Resp: 35335

Ion Ratio Lower Upper

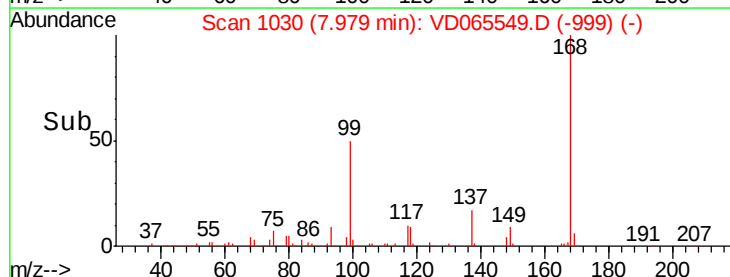
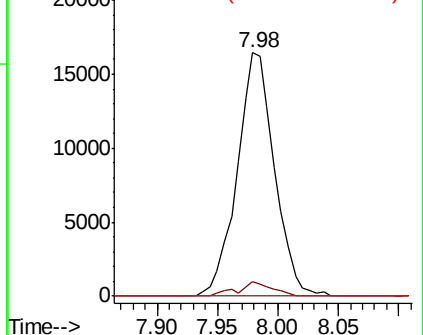
117 100

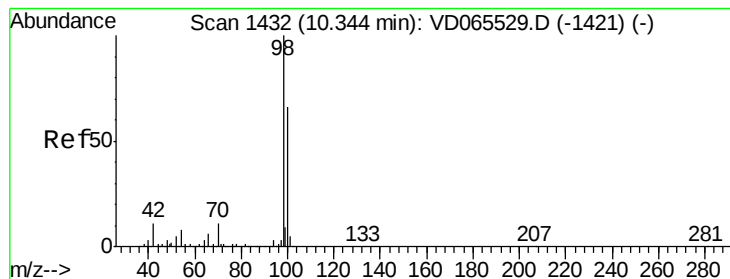
119 5.9 75.2 112.8#

121 0.0 24.5 36.7#



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: 55.256 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

Instrument :

MSVOA_D

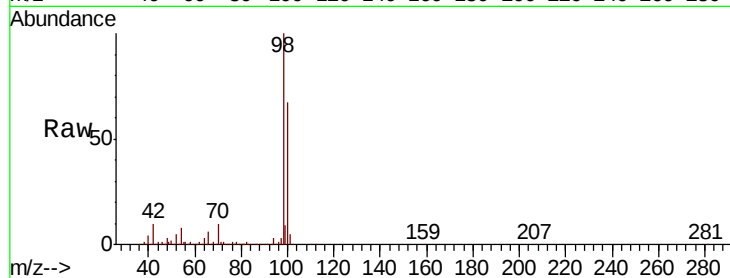
ClientSampleId :

Tot Ion: 98 Resp: 972046

Ion Ratio Lower Upper

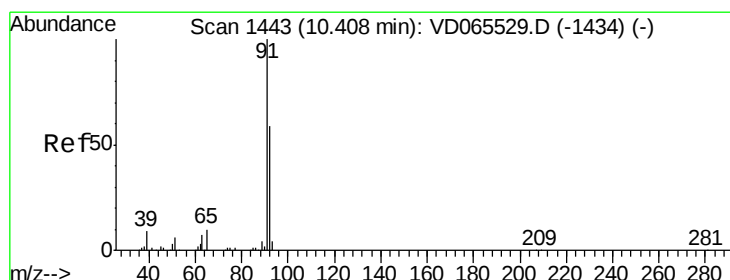
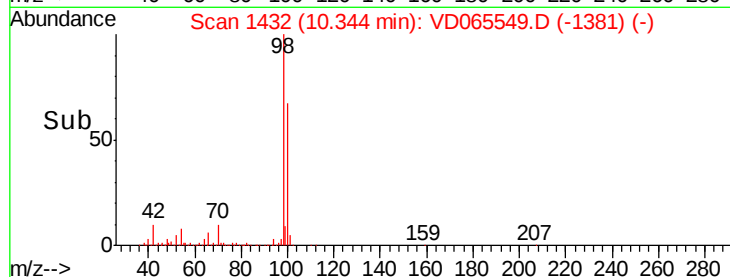
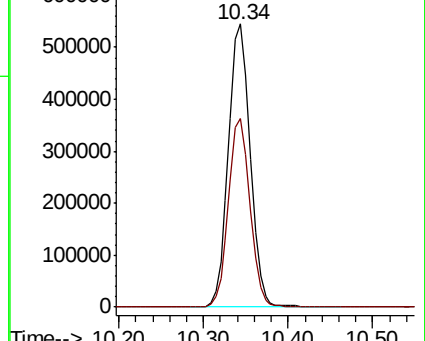
98 100

100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#52

Toluene

Concen: 1.888 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065549.D

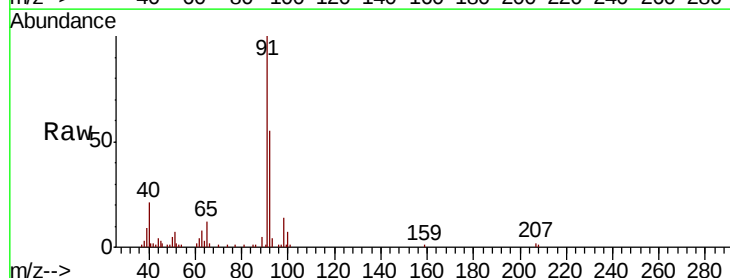
Acq: 27 Mar 2020 17:38

Tgt Ion: 92 Resp: 23667

Ion Ratio Lower Upper

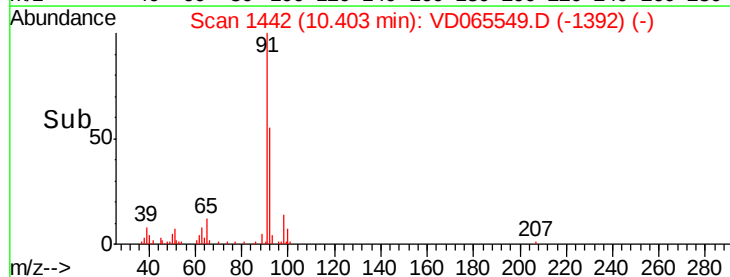
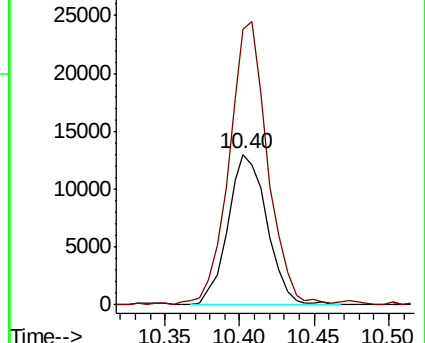
92 100

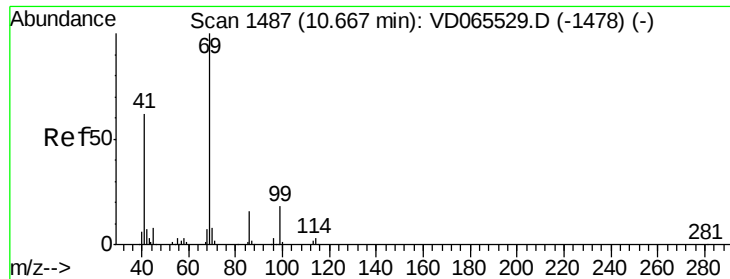
91 185.5 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#56

Ethyl methacrylate

Concen: 3.318 ug/l

RT: 10.68 min Scan# 1489

Delta R.T. 0.01 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

Instrument :

MSVOA_D

ClientSampled :

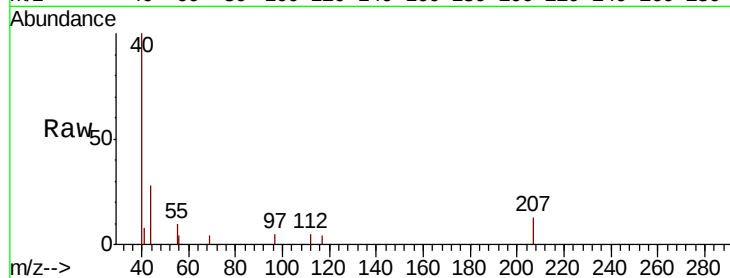
Tot Ion: 69 Resp: 120

Ion Ratio Lower Upper

69 100

41 268.3 51.3 76.9#

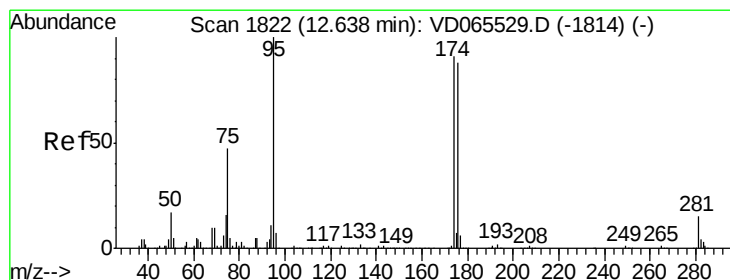
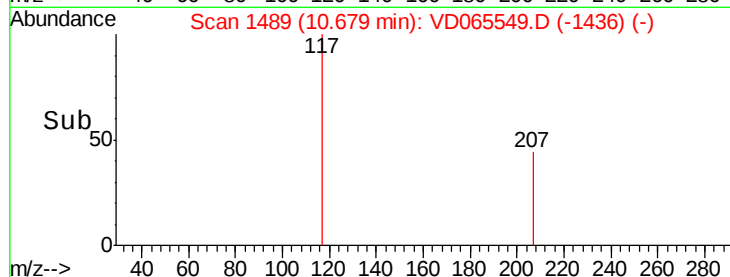
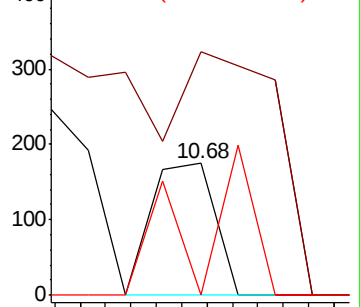
39 0.0 25.3 37.9#



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



#62

4-Bromofluorobenzene

Concen: 59.902 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

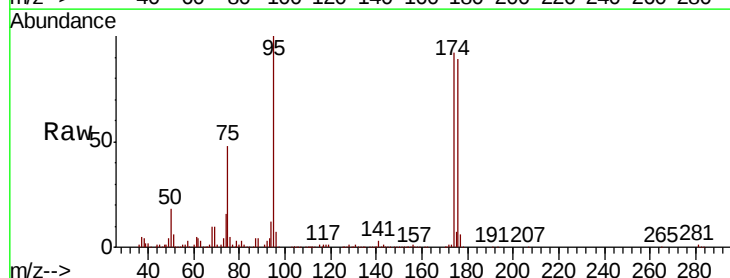
Tgt Ion: 95 Resp: 334454

Ion Ratio Lower Upper

95 100

174 93.7 0.0 183.8

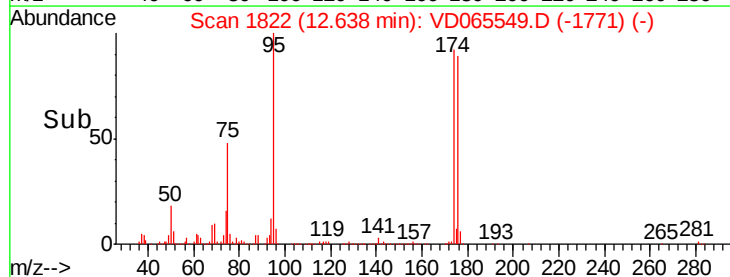
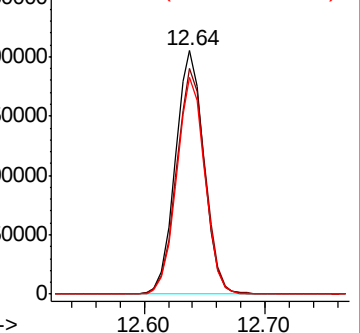
176 89.0 0.0 178.2

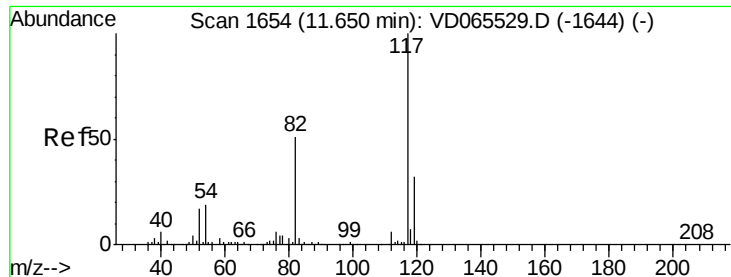


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

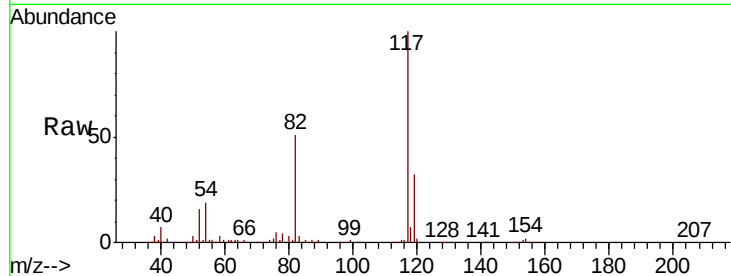




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065549.D
Acq: 27 Mar 2020 17:38

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.0	61.6
119	32.4	25.5	38.3

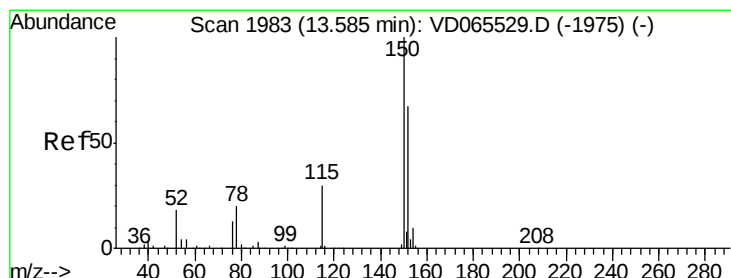
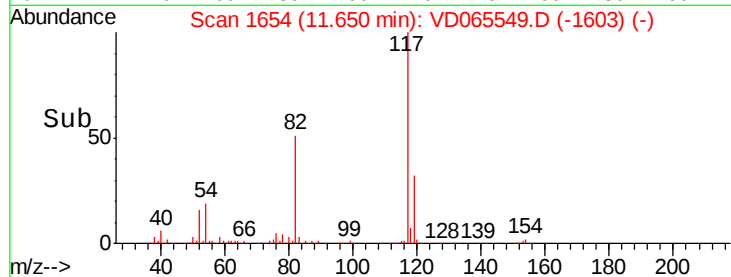
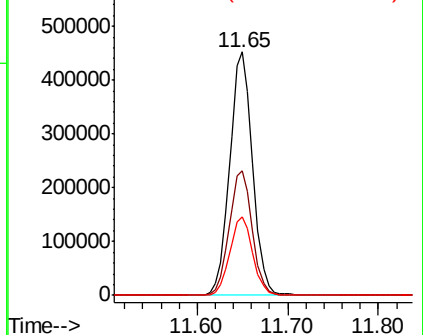


Abundance

Ion 116.90 (116.60 to 117.60): V

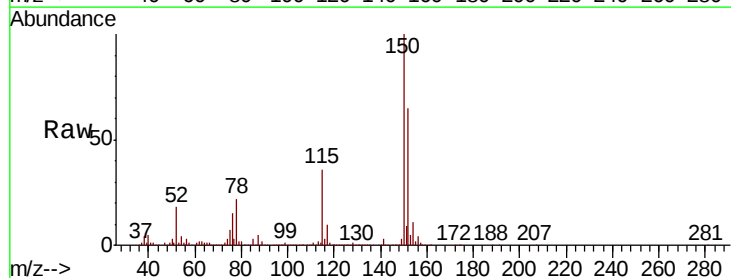
Ion 82.00 (81.70 to 82.70): V

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: VD065549.D
Acq: 27 Mar 2020 17:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.2	81.6
150	152.9	0.0	340.2

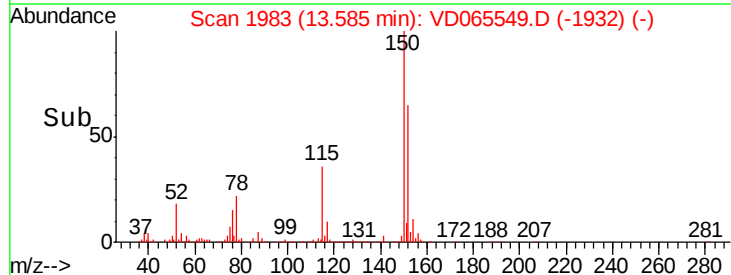
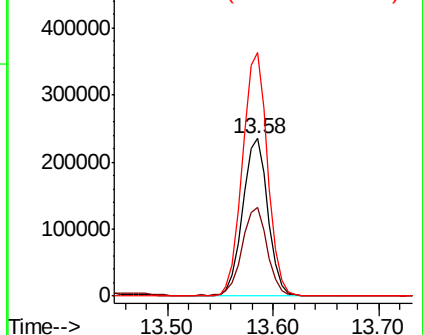


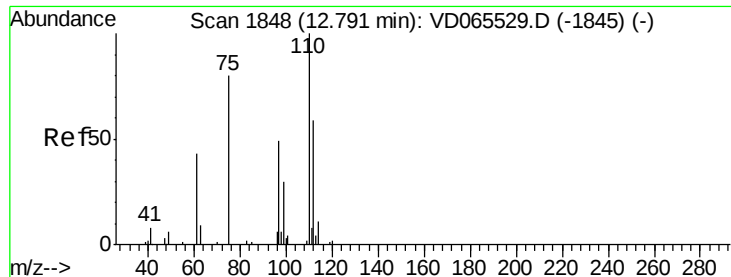
Abundance

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: 54.223 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

Instrument :

MSVOA_D

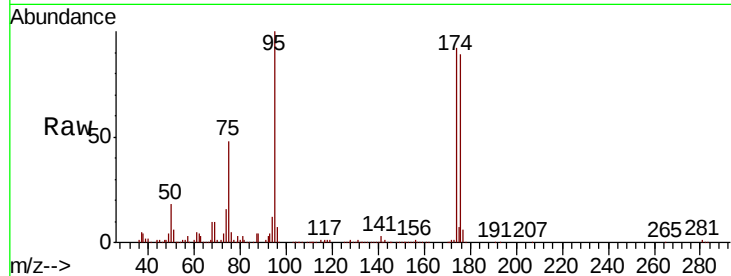
ClientSampled :

Tot Ion: 75 Resp: 162456

Ion Ratio Lower Upper

75 100

77 2.8 0.0 0.0#

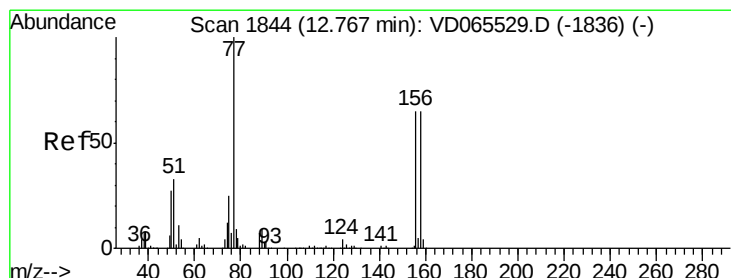
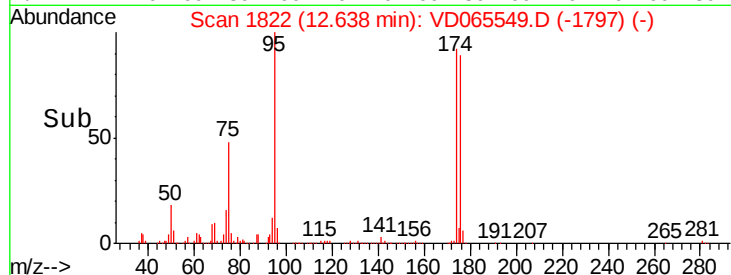


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

Time-->



#77

Bromobenzene

Concen: 1.141 ug/l

RT: 12.62 min Scan# 1819

Delta R.T. -0.15 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

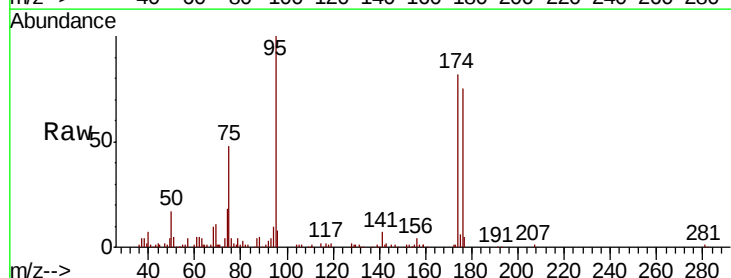
Tgt Ion: 156 Resp: 7137

Ion Ratio Lower Upper

156 100

77 0.0 81.8 245.3#

158 1.1 49.1 147.4#



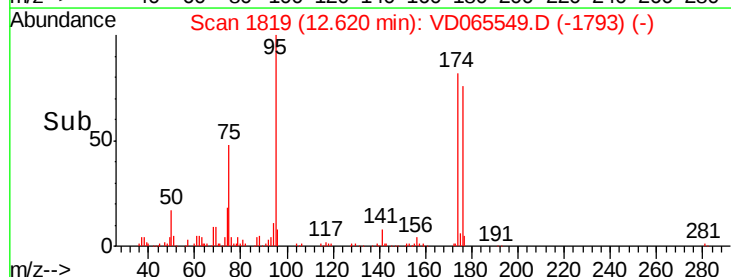
Abundance Ion 155.80 (155.50 to 156.50): V

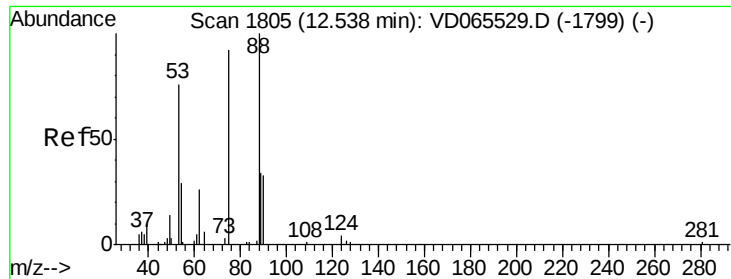
Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

12.62

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 121.037 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

Instrument :

MSVOA_D

ClientSampleId :

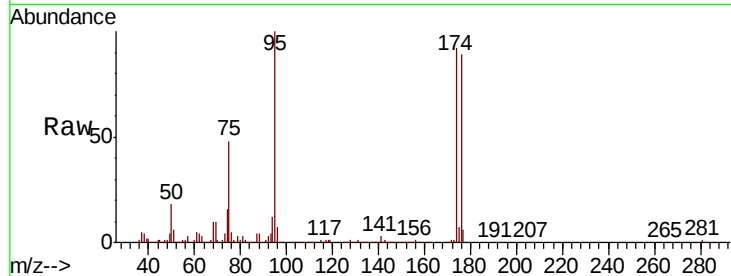
Tot Ion: 75 Resp: 162456

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

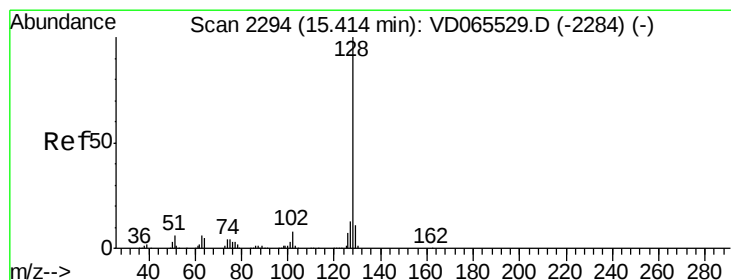
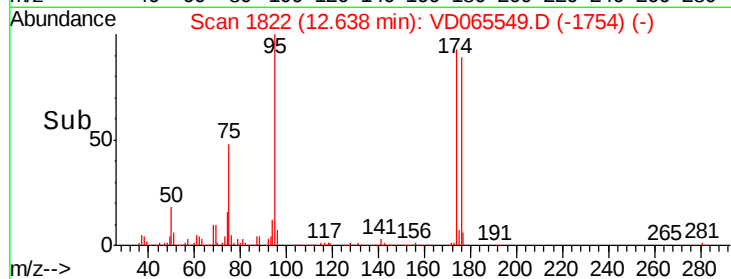
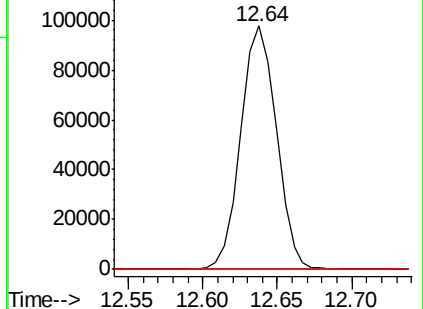
89 0.3 36.9 55.3#



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: 4.454 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065549.D

Acq: 27 Mar 2020 17:38

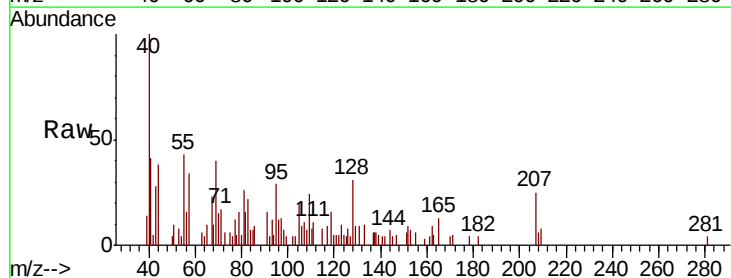
Tgt Ion:128 Resp: 1735

Ion Ratio Lower Upper

128 100

127 18.0 10.4 15.6#

129 38.7 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

