

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065179.D
 Acq On : 13 Feb 2020 16:17
 Operator : VA/SY
 Sample : L1529-04
 Misc : 4.47G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 14 07:19:06 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	7.99	168	145277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	234281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	278608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	145096	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	98492	79.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	159.54%	
35) Dibromofluoromethane	7.92	113	86940	66.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.02%	
50) Toluene-d8	10.34	98	292209	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	
62) 4-Bromofluorobenzene	12.64	95	118993	72.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.36%	

Target Compounds

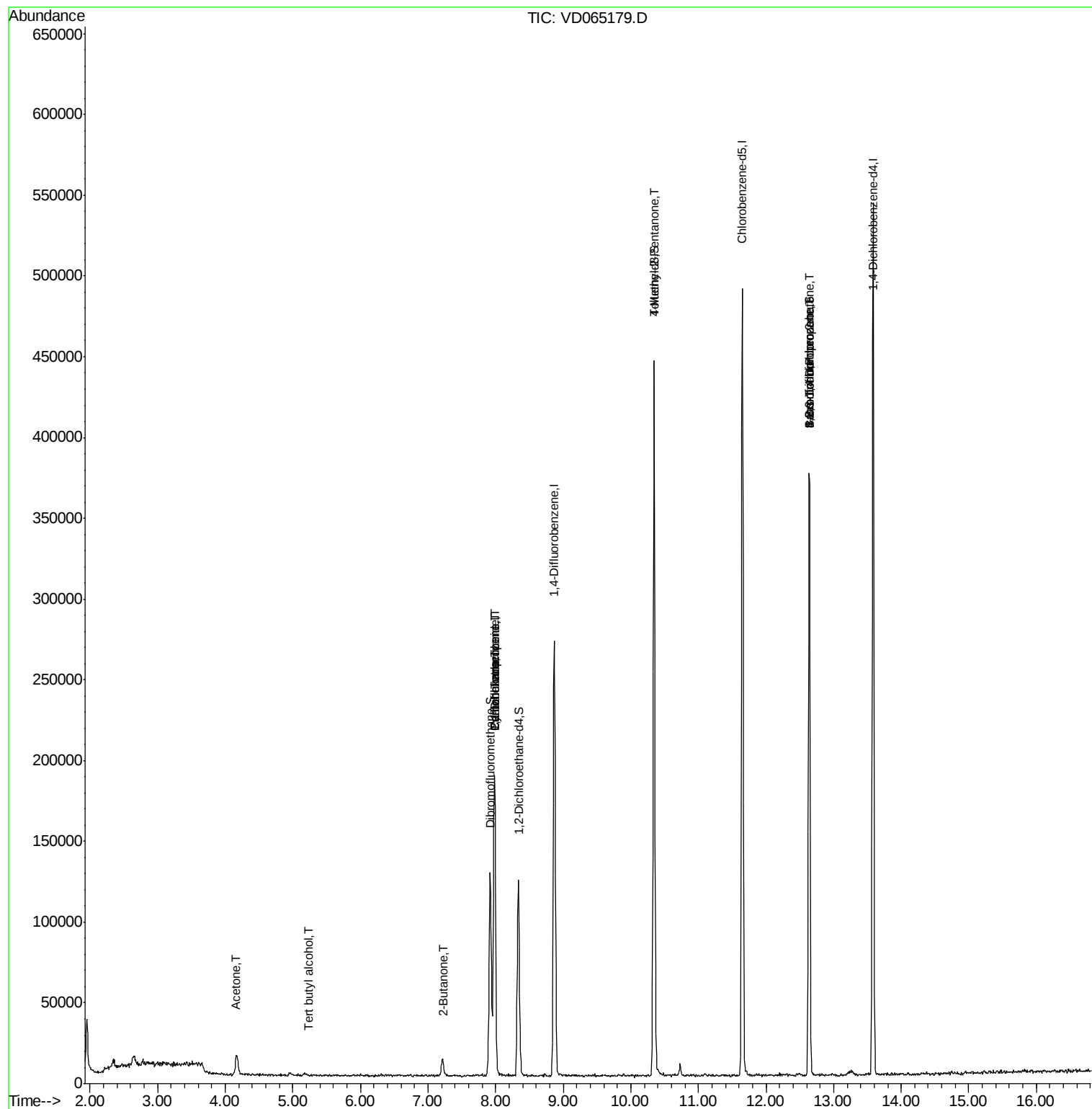
					Qvalue	
11) Tert butyl alcohol	5.23	59	125	1.657	ug/l #	71
16) Acetone	4.16	43	23472	76.034	ug/l	92
20) Methylene Chloride	4.97	84	984	Below Cal	#	88
25) 2-Butanone	7.23	43	621	1.686	ug/l #	50
31) Cyclohexane	7.99	56	3512	1.430	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	10763	4.941	ug/l #	49
38) Carbon Tetrachloride	7.99	117	13357	6.003	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	1212	1.446	ug/l #	1
71) Bromoform	12.64	173	1333	1.245	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	63531	57.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	63531	115.661	ug/l #	10

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

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MSVOA_D
ClientSampleId :

Quant Time: Feb 14 07:19:06 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065179.D

Acq: 13 Feb 2020 16:17

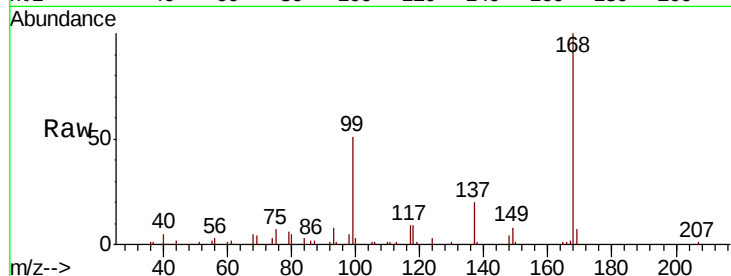
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 145277

Ion Ratio Lower Upper

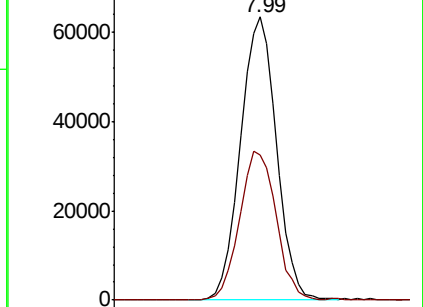
168 100

99 51.2 41.0 61.6

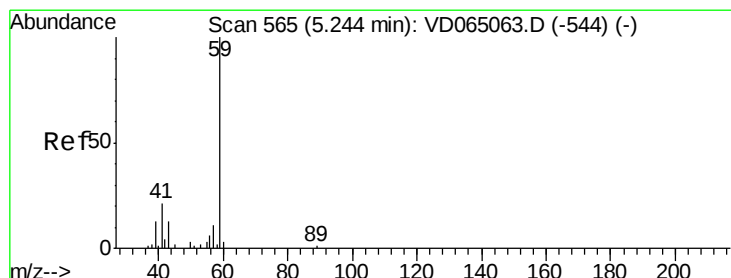
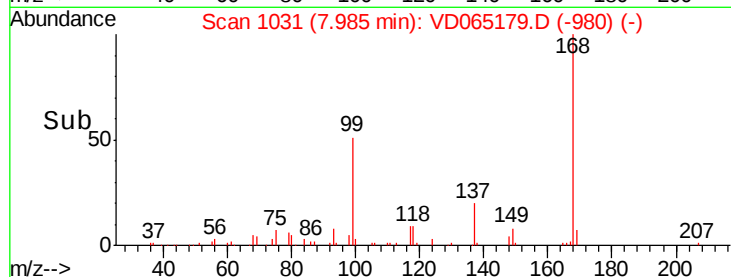


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: 1.657 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD065179.D

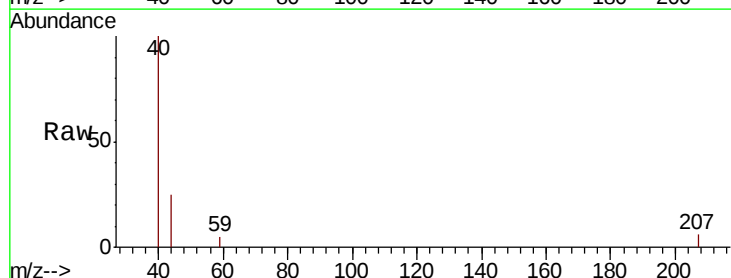
Acq: 13 Feb 2020 16:17

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

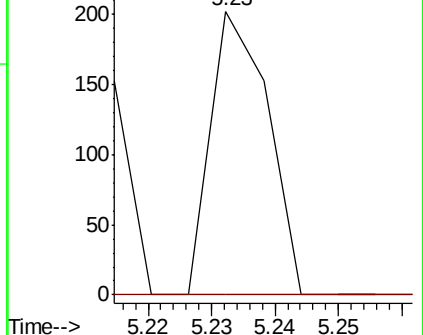
59 100

57 0.0 8.8 13.2#

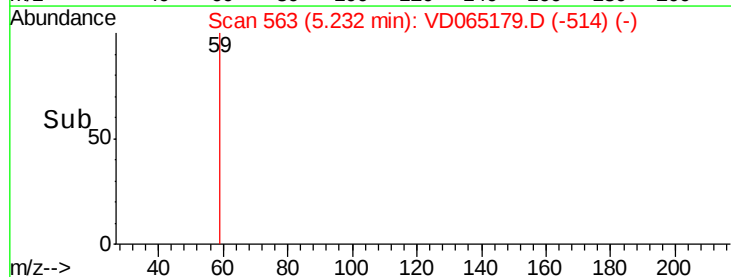


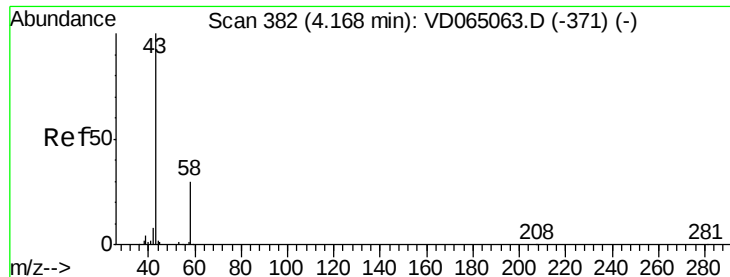
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 76.034 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065179.D

Acq: 13 Feb 2020 16:17

Instrument :

MSVOA_D

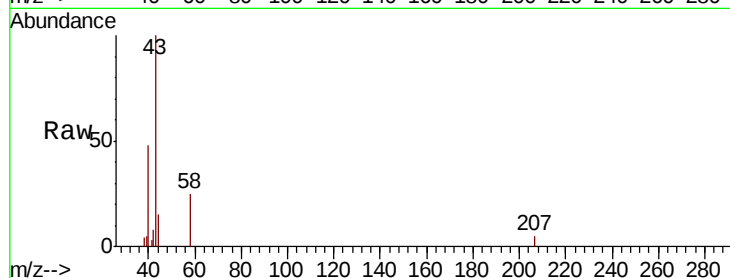
ClientSampleId :

Tot Ion: 43 Resp: 23472

Ion Ratio Lower Upper

43 100

58 25.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10000

8000

6000

4000

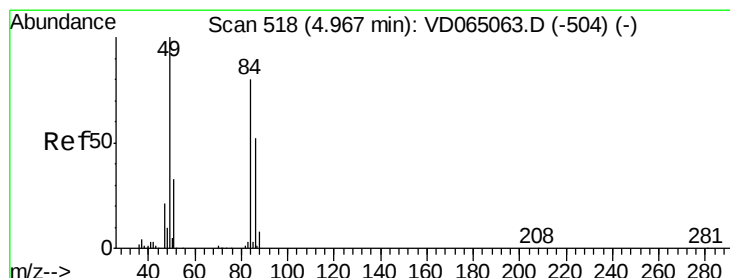
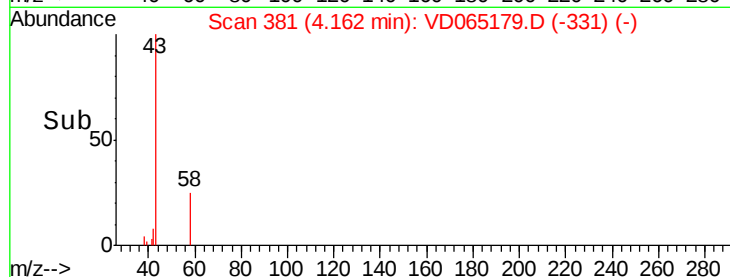
2000

0

Time-->

4.10 4.20

4.16



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065179.D

Acq: 13 Feb 2020 16:17

Tgt Ion: 84 Resp: 984

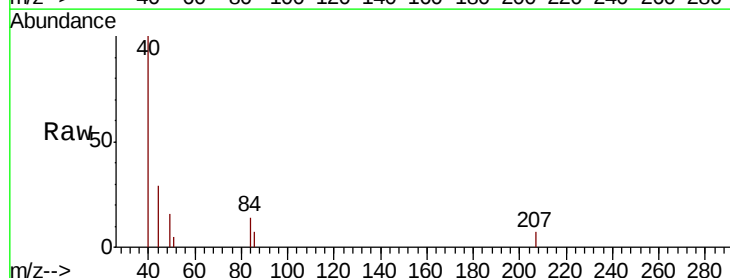
Ion Ratio Lower Upper

84 100

49 114.3 100.4 150.6

51 39.5 32.7 49.1

86 47.2 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

1000

800

600

400

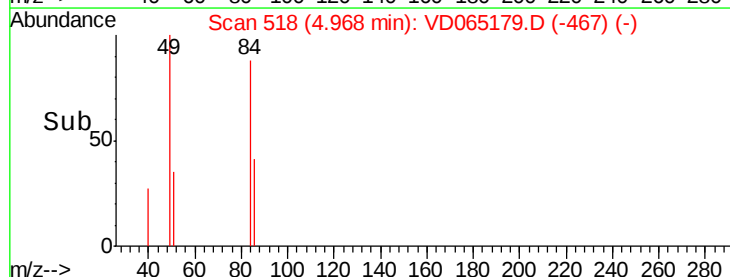
200

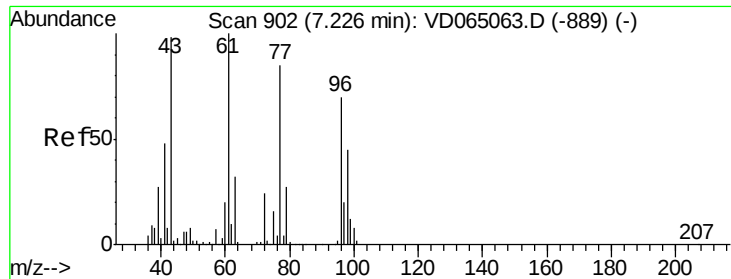
0

Time-->

4.90 4.95 5.00

4.97

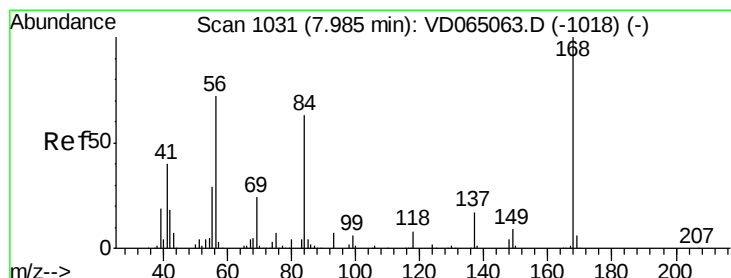
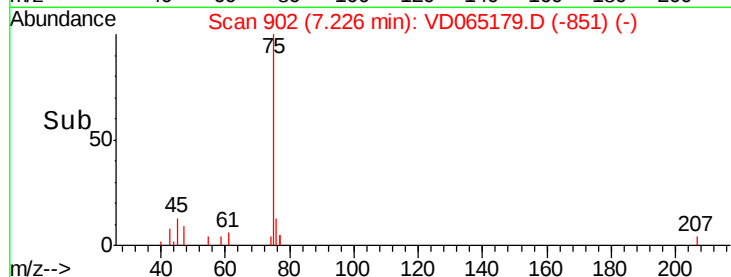
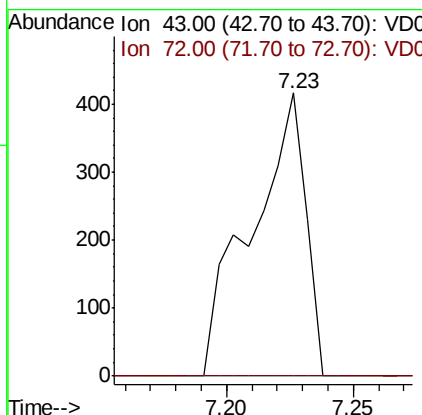
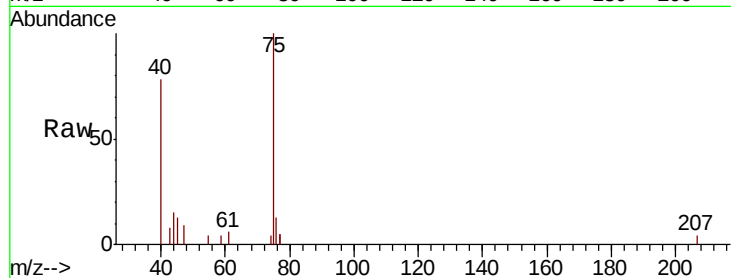




#25
2-Butanone
Concen: 1.686 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065179.D
Acq: 13 Feb 2020 16:17

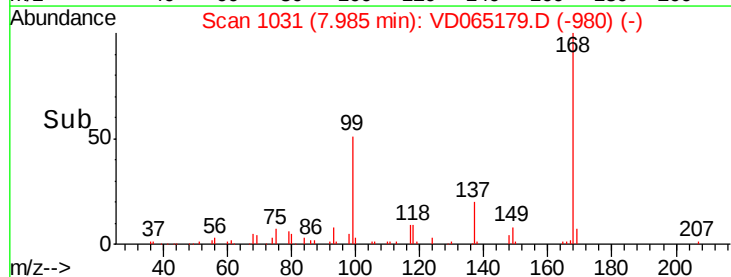
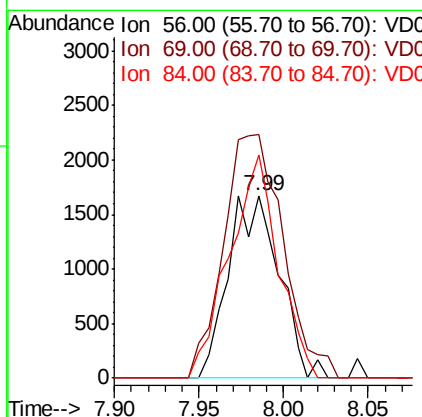
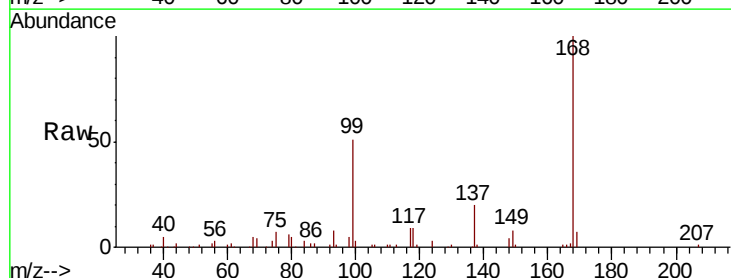
Instrument :
MSVOA_D
ClientSampleId :

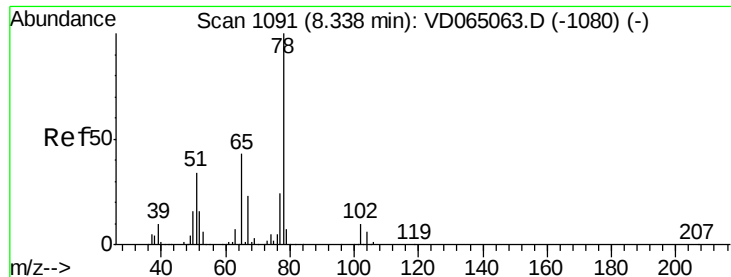
Tot Ion: 43 Resp: 621
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.430 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065179.D
Acq: 13 Feb 2020 16:17

Tgt Ion: 56 Resp: 3512
Ion Ratio Lower Upper
56 100
69 133.7 26.6 40.0#
84 122.5 70.6 106.0#

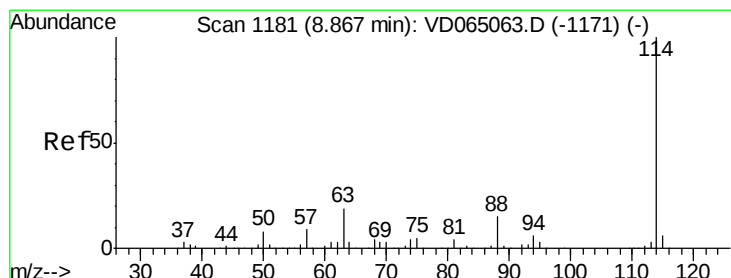
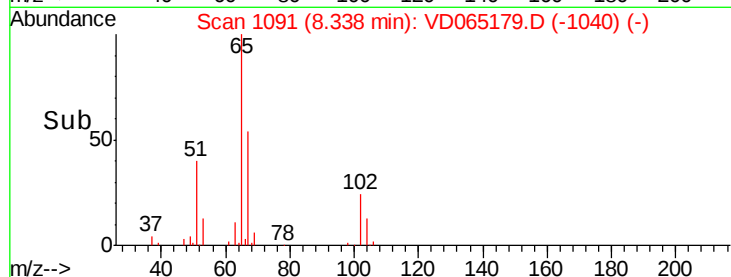
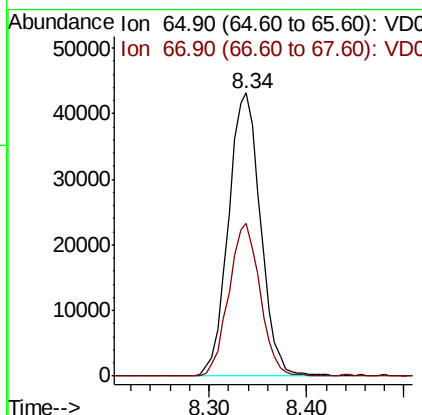
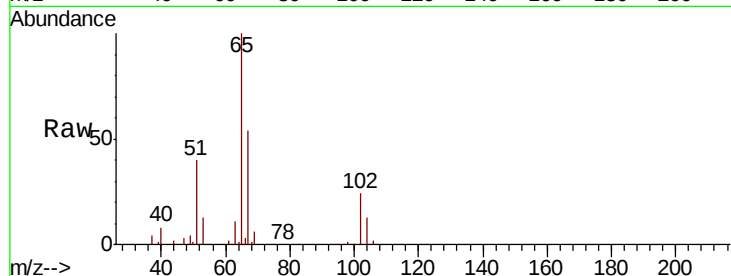




#33
 1,2-Dichloroethane-d4
 Concen: 79.768 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065179.D
 Acq: 13 Feb 2020 16:17

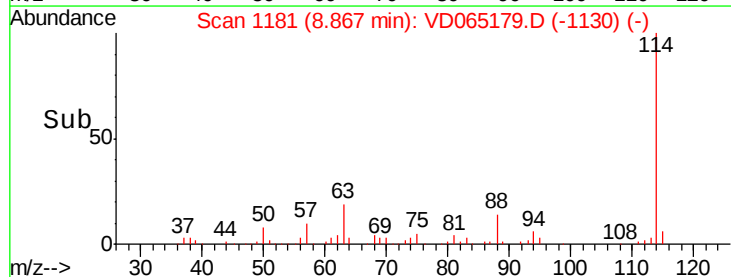
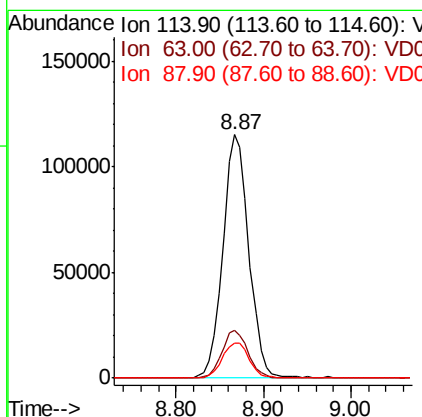
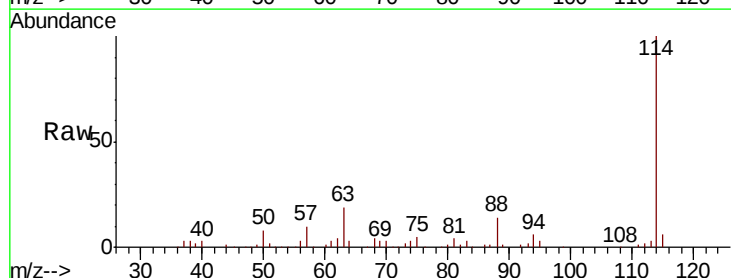
Instrument :
 MSVOA_D
 ClientSampleId :

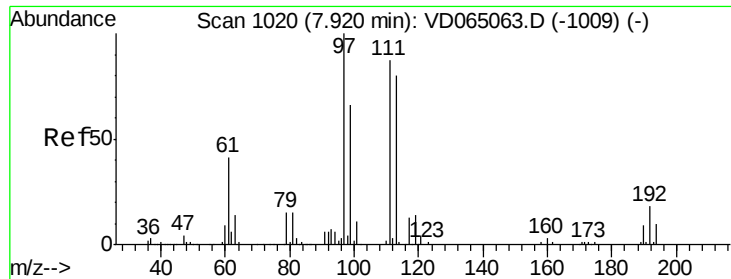
Tot Ion: 65 Resp: 98492
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065179.D
 Acq: 13 Feb 2020 16:17

Tgt Ion: 114 Resp: 234281
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.8
 88 14.2 0.0 29.6

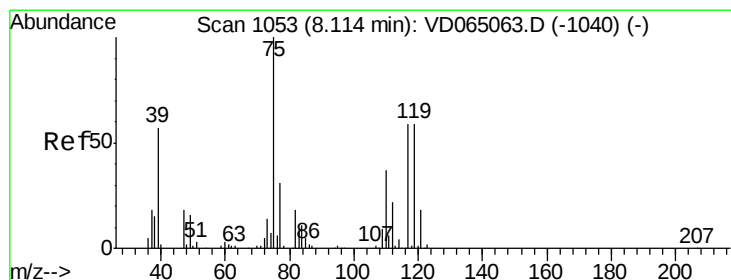
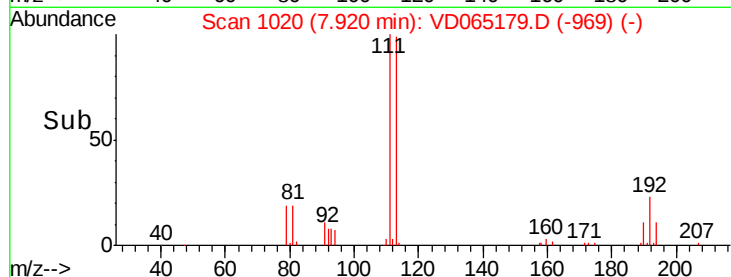
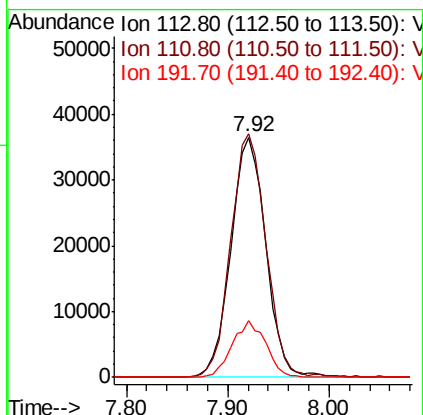
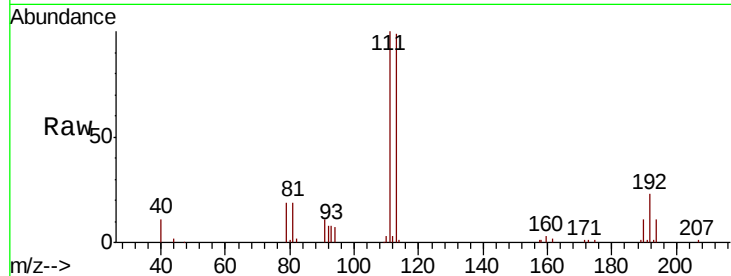




#35
 Dibromofluoromethane
 Concen: 66.511 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065179.D
 Acq: 13 Feb 2020 16:17

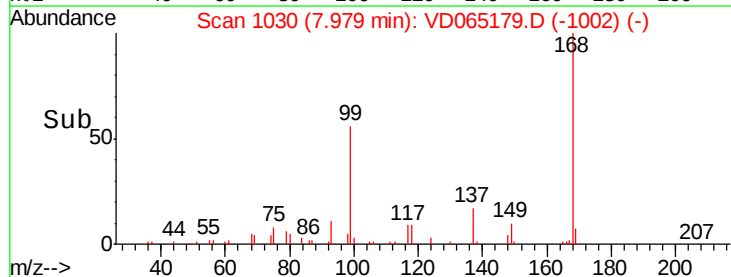
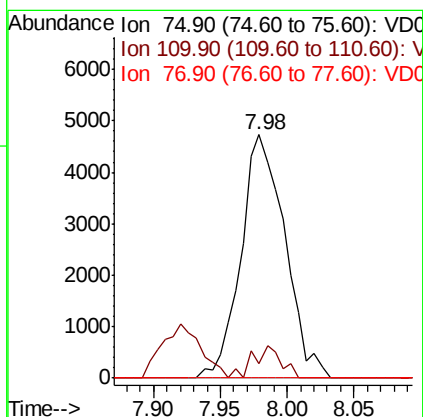
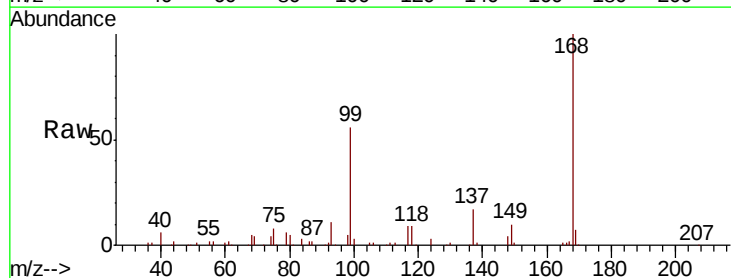
Instrument :
 MSVOA_D
 ClientSampleId :

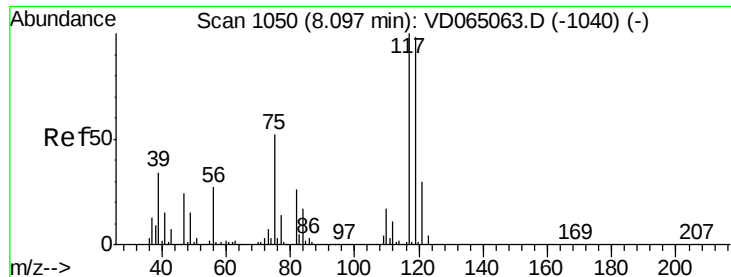
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.1	124.7
192	22.8	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065179.D
 Acq: 13 Feb 2020 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.3#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.003 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065179.D

Acq: 13 Feb 2020 16:17

Instrument :

MSVOA_D

ClientSampled :

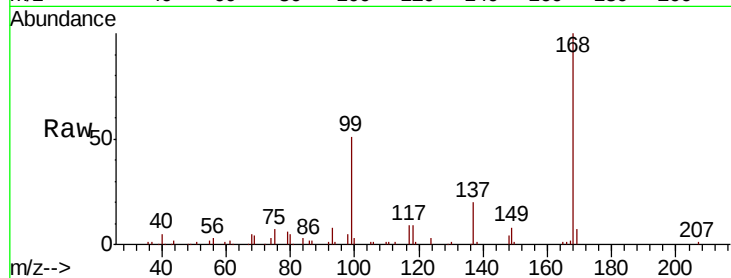
Tot Ion:117 Resp: 13357

Ion Ratio Lower Upper

117 100

119 10.7 78.5 117.7#

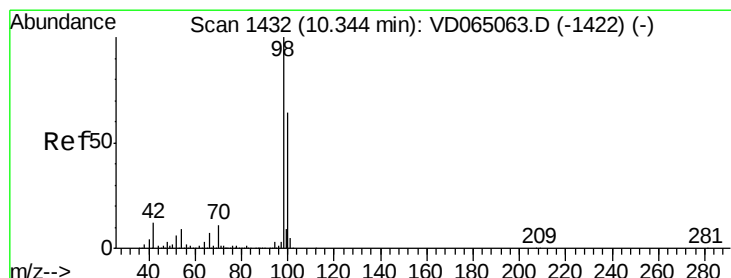
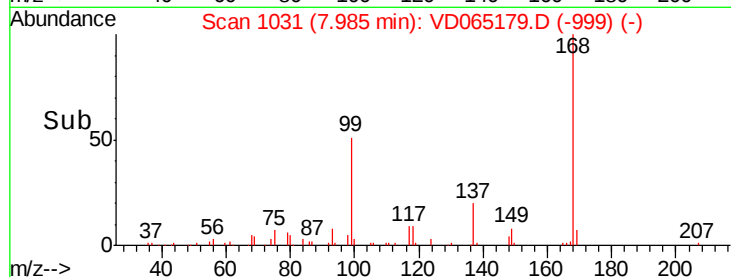
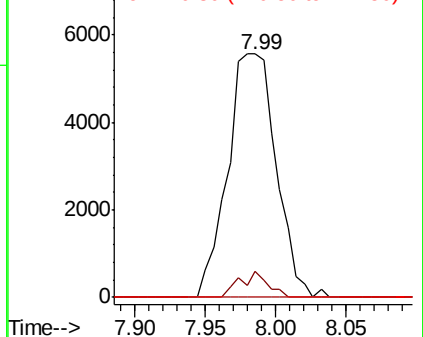
121 0.0 23.8 35.6#



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: 56.164 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065179.D

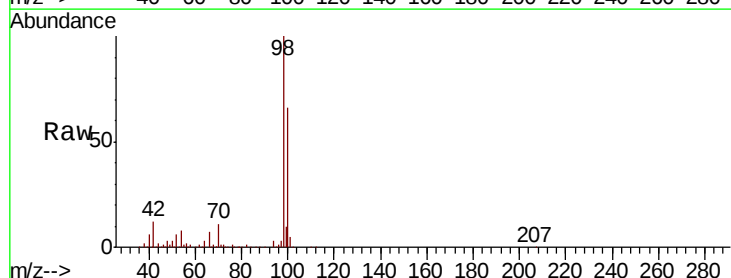
Acq: 13 Feb 2020 16:17

Tgt Ion: 98 Resp: 292209

Ion Ratio Lower Upper

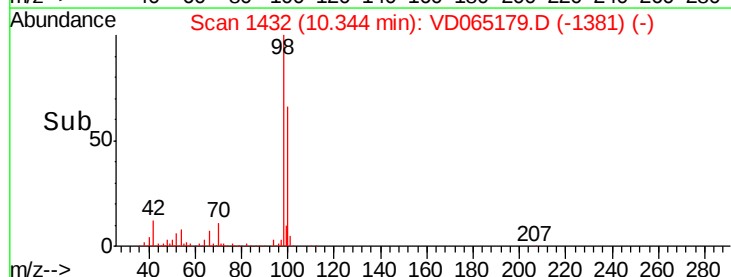
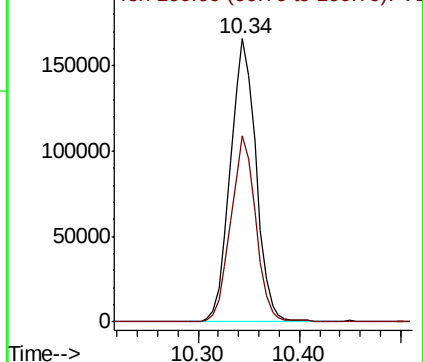
98 100

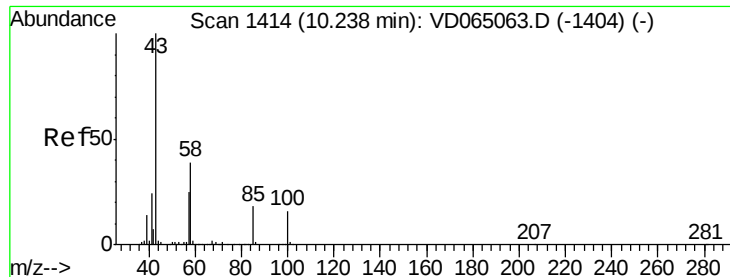
100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.446 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065179.D

Acq: 13 Feb 2020 16:17

Instrument :

MSVOA_D

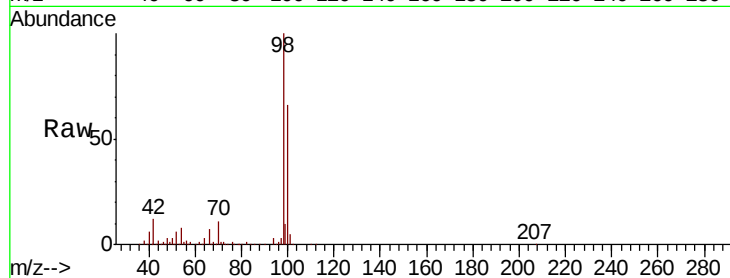
ClientSampleId :

Tot Ion: 43 Resp: 1212

Ion Ratio Lower Upper

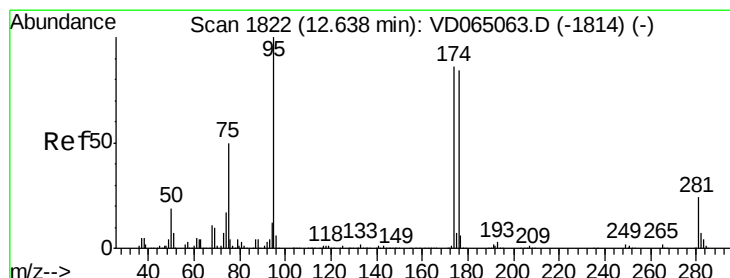
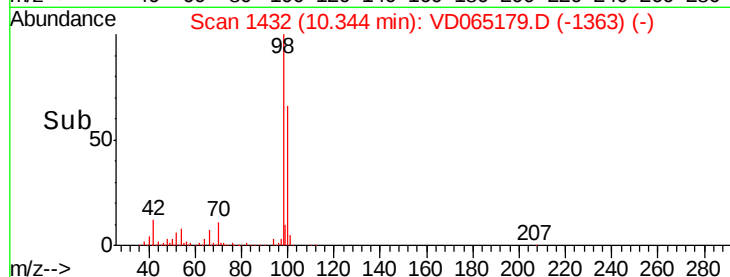
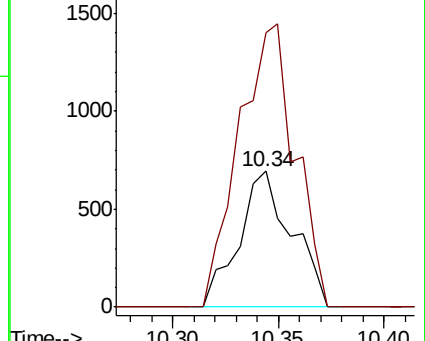
43 100

58 220.9 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 72.179 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065179.D

Acq: 13 Feb 2020 16:17

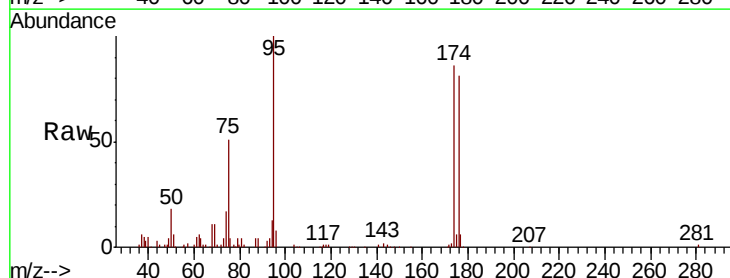
Tgt Ion: 95 Resp: 118993

Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.0

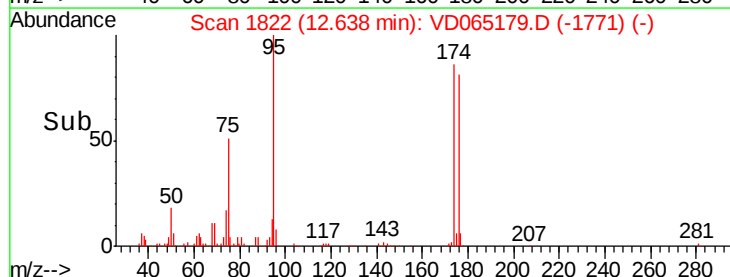
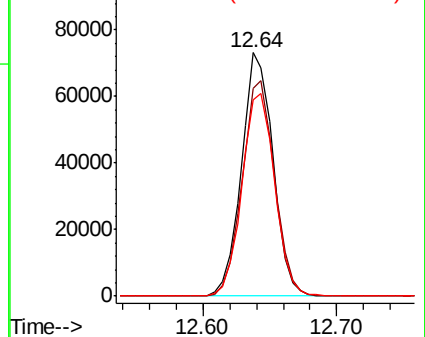
176 86.6 0.0 173.2

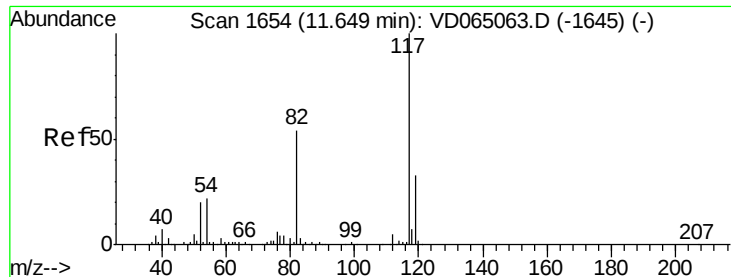


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

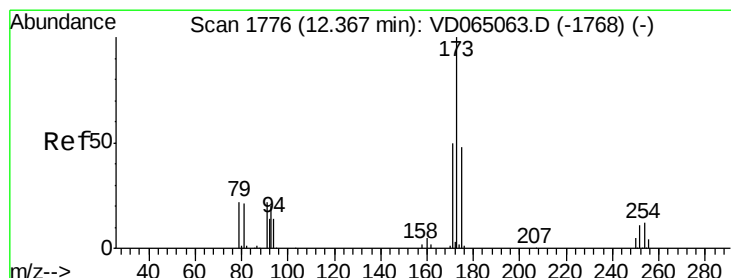
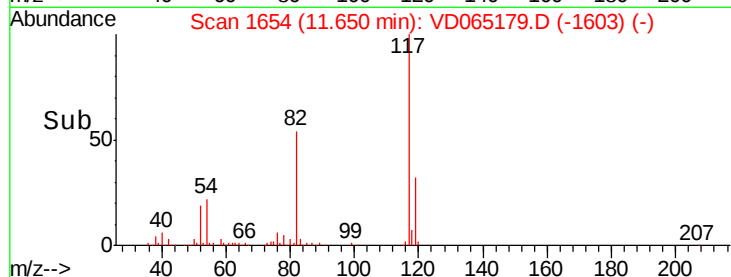
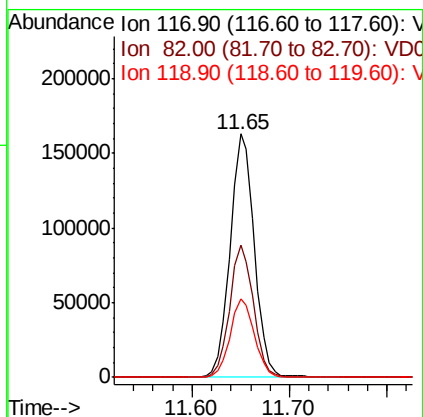
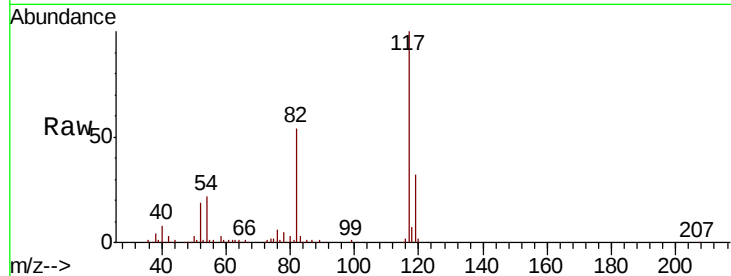




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065179.D
Acq: 13 Feb 2020 16:17

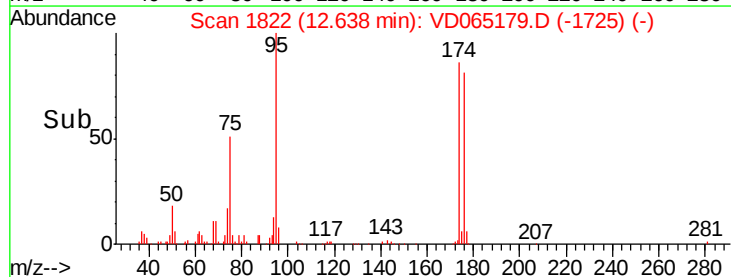
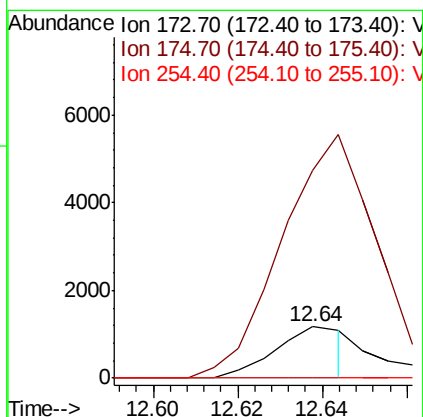
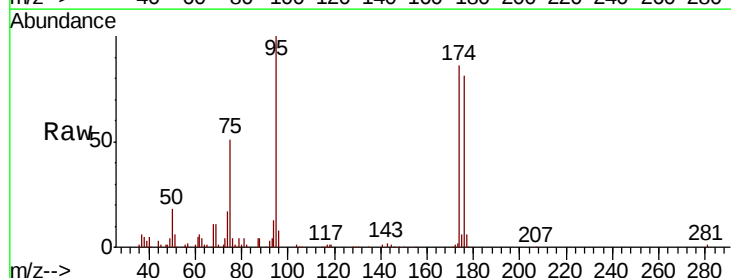
Instrument :
MSVOA_D
ClientSampleId :

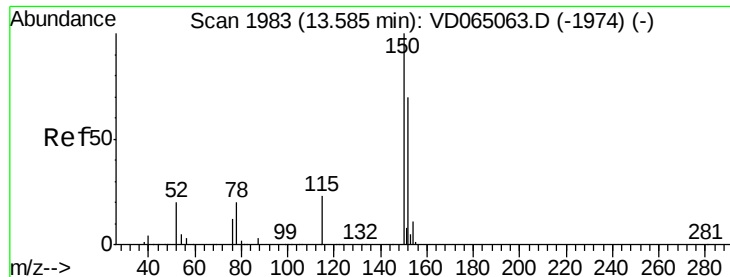
Tot Ion:117 Resp: 278608
Ion Ratio Lower Upper
117 100
82 54.1 43.1 64.7
119 32.3 26.0 39.0



#71
Bromoform
Concen: 1.245 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065179.D
Acq: 13 Feb 2020 16:17

Tgt Ion:173 Resp: 1333
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065179.D

Acq: 13 Feb 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

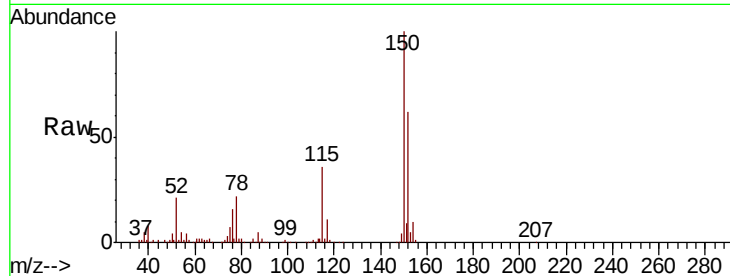
Tot Ion:152 Resp: 145096

Ion Ratio Lower Upper

152 100

115 55.8 27.5 82.4

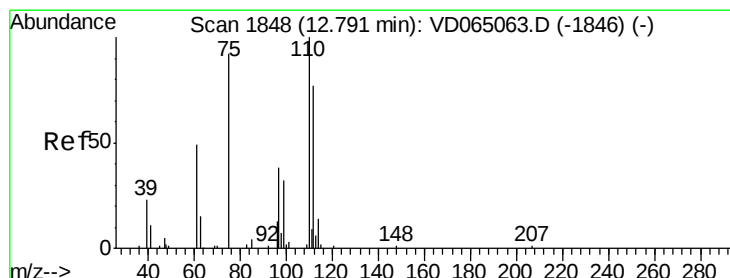
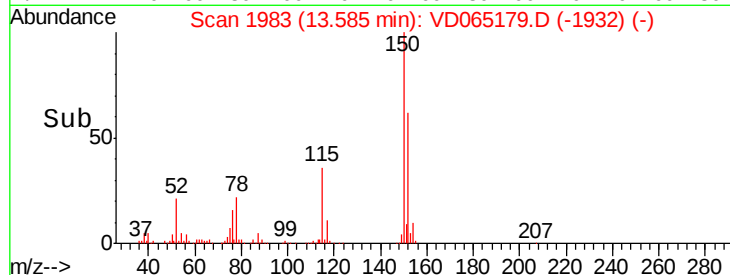
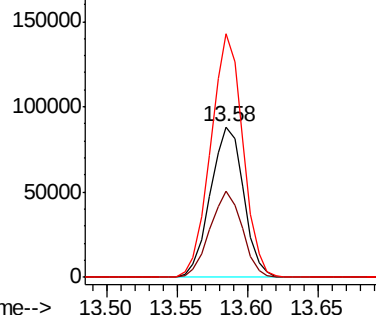
150 156.9 0.0 343.2



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: 57.833 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065179.D

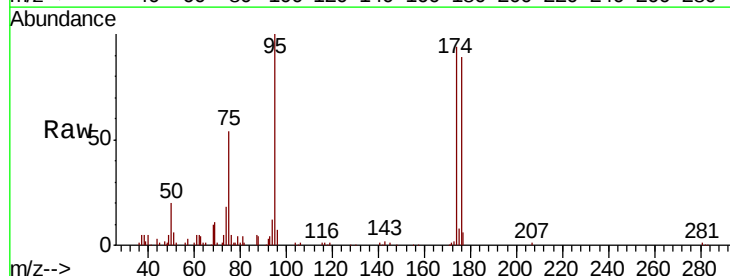
Acq: 13 Feb 2020 16:17

Tgt Ion: 75 Resp: 63531

Ion Ratio Lower Upper

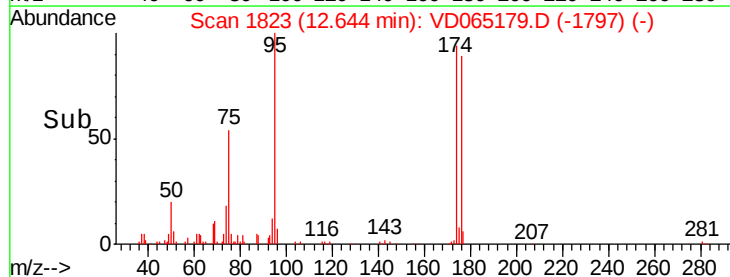
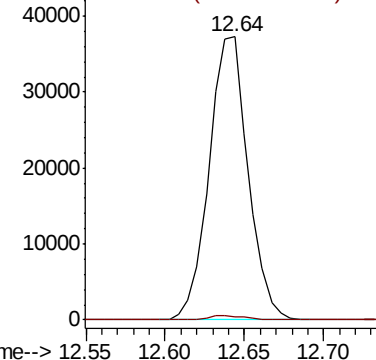
75 100

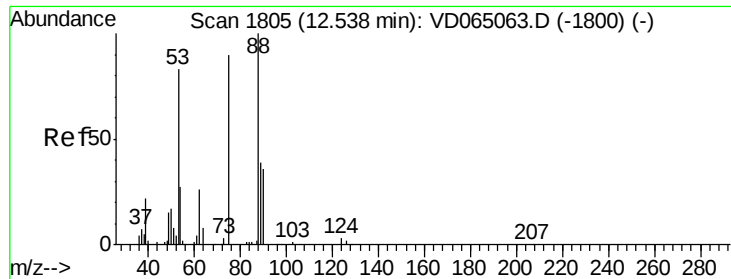
77 1.4 0.0 0.0#



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: 115.661 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065179.D

Acq: 13 Feb 2020 16:17

Instrument :

MSVOA_D

ClientSampleId :

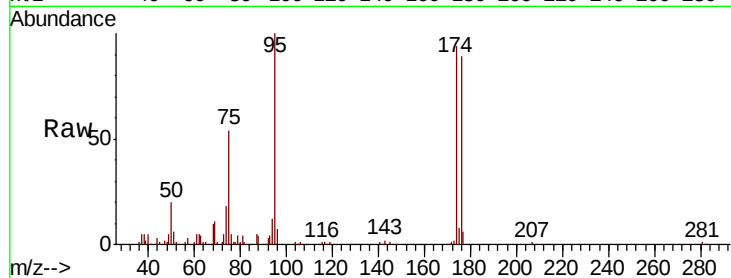
Tot Ion: 75 Resp: 63531

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

