

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065554.D
 Acq On : 27 Mar 2020 20:02
 Operator : VA/SY
 Sample : L2037-02RE
 Misc : 5.84G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:37:26 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	7.99	168	443099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	882489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	895561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	425071	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	268245	72.72	ug/l	0.00
Spiked Amount			Recovery	=	145.44%	
35) Dibromofluoromethane	7.92	113	303579	55.73	ug/l	0.00
Spiked Amount			Recovery	=	111.46%	
50) Toluene-d8	10.34	98	1116730	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.64	95	360102	55.48	ug/l	0.00
Spiked Amount			Recovery	=	110.96%	

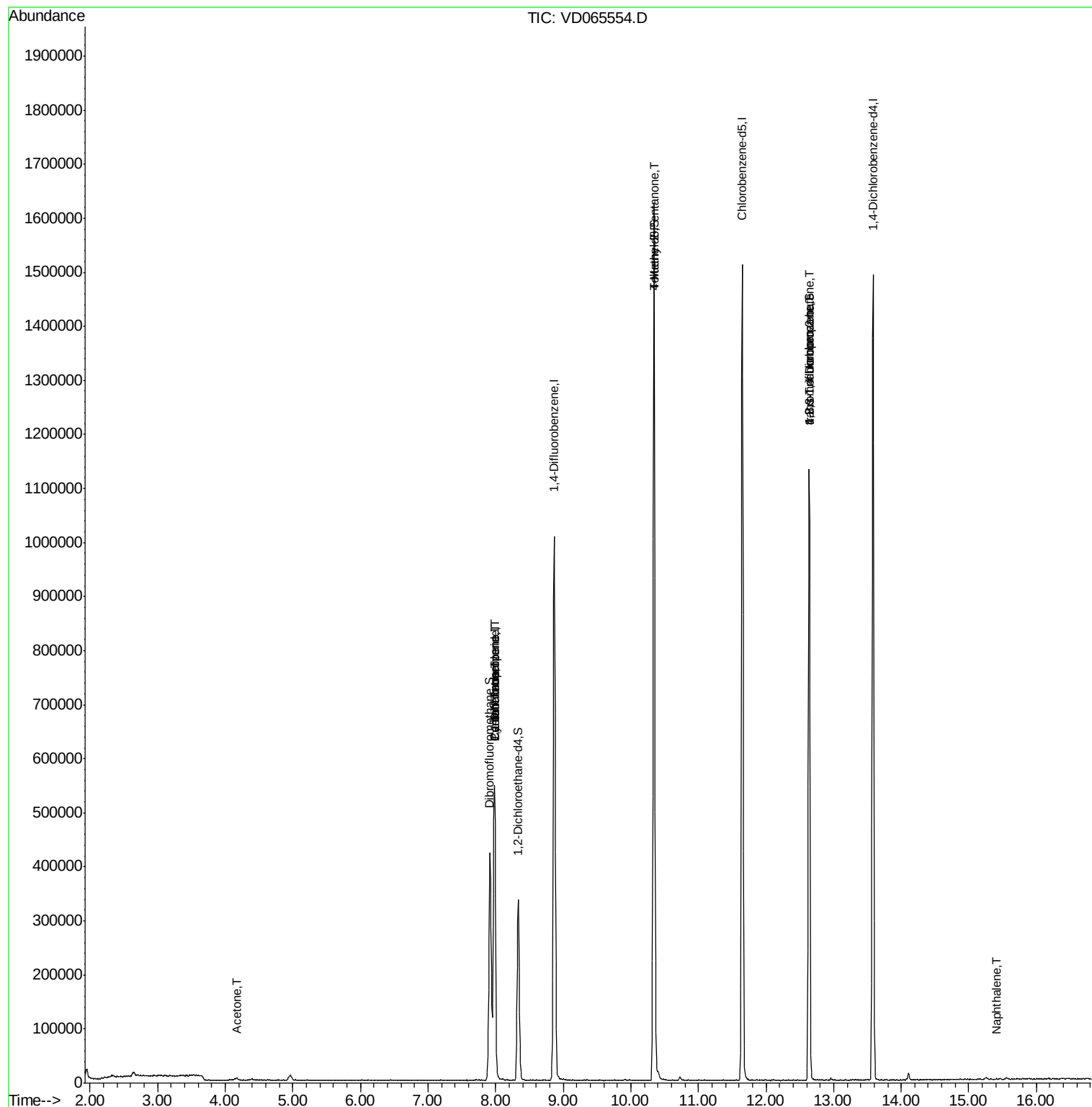
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	377	Below Cal	#	42
5) Bromomethane	2.78	94	267	Below Cal	#	4
16) Acetone	4.17	43	5423	7.792	ug/l	99
20) Methylene Chloride	4.95	84	7277	Below Cal	#	81
31) Cyclohexane	7.99	56	8272	1.193	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	30429	3.774	ug/l #	48
38) Carbon Tetrachloride	7.98	117	41336	4.867	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	4539	1.605	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	173580	53.115	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	173580	118.563	ug/l #	13
95) Naphthalene	15.41	128	556	4.361	ug/l #	69

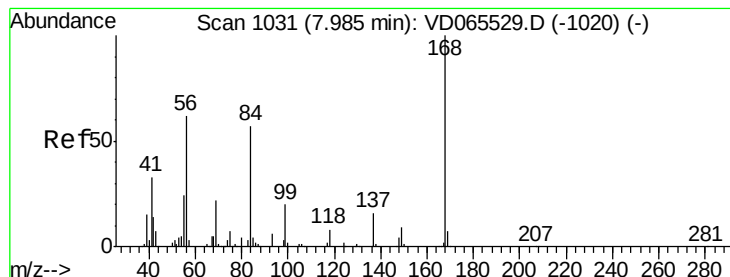
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065554.D

Acq: 27 Mar 2020 20:02

Instrument :

MSVOA_D

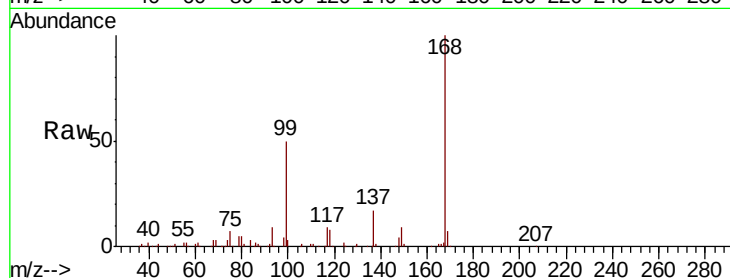
ClientSampleId :

Tot Ion:168 Resp: 443099

Ion Ratio Lower Upper

168 100

99 50.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

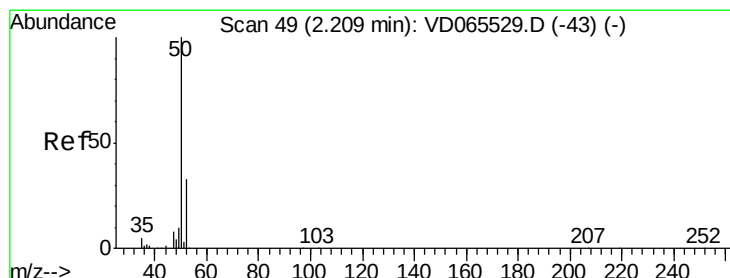
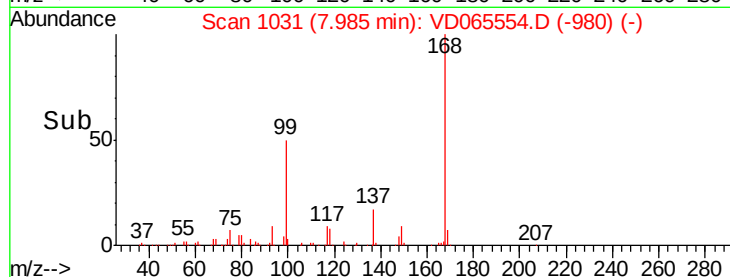
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065554.D

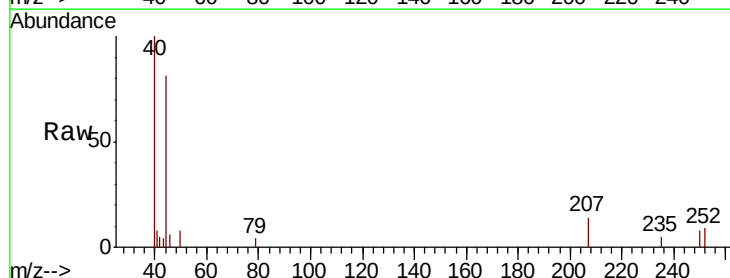
Acq: 27 Mar 2020 20:02

Tgt Ion: 50 Resp: 377

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

2.21

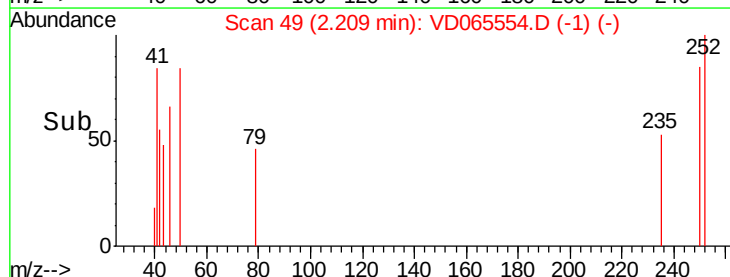
300

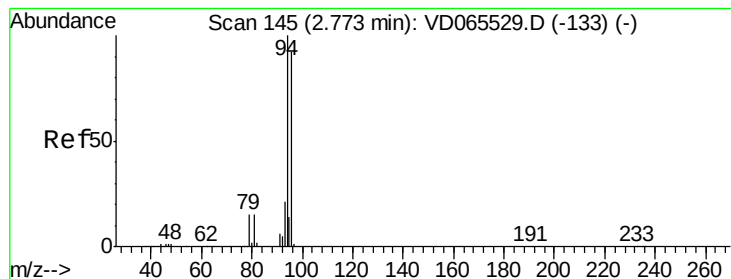
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065554.D

Acq: 27 Mar 2020 20:02

Instrument :

MSVOA_D

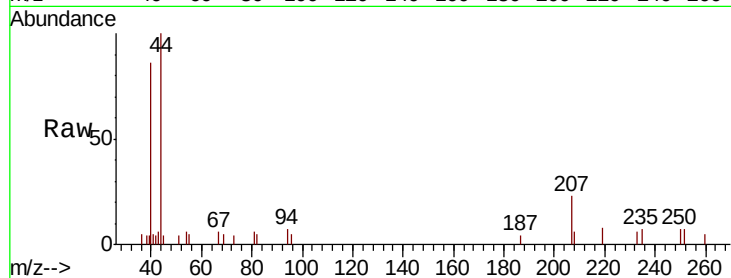
ClientSampled :

Tot Ion: 94 Resp: 267

Ion Ratio Lower Upper

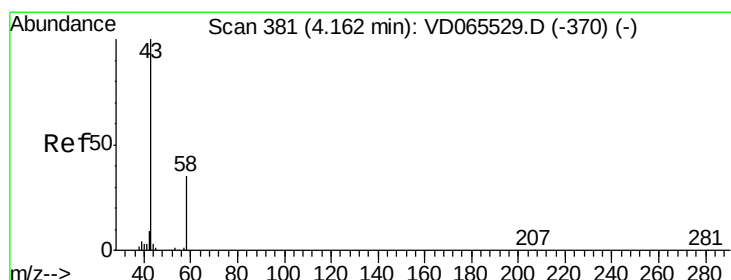
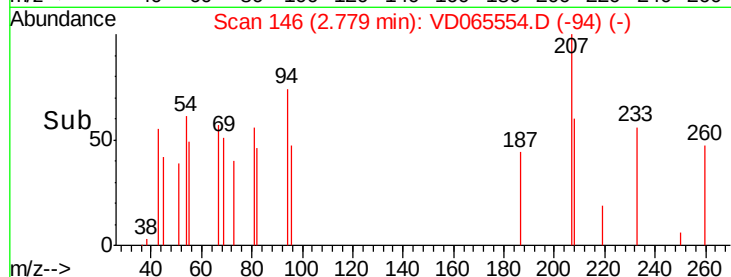
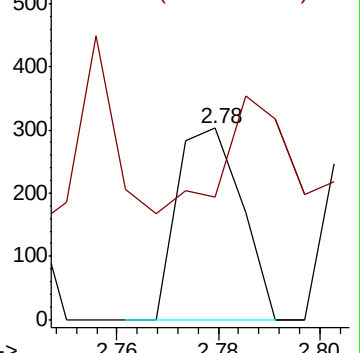
94 100

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



#16

Acetone

Concen: 7.792 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065554.D

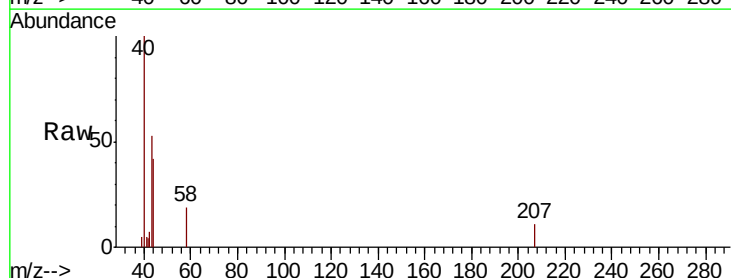
Acq: 27 Mar 2020 20:02

Tgt Ion: 43 Resp: 5423

Ion Ratio Lower Upper

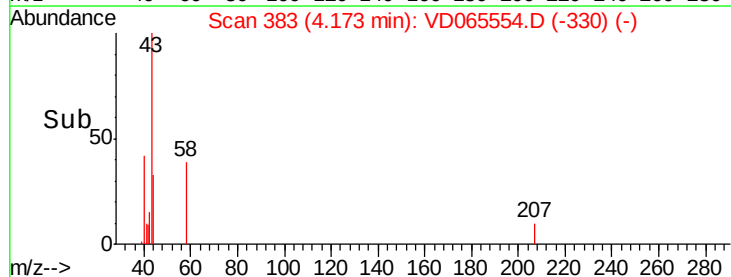
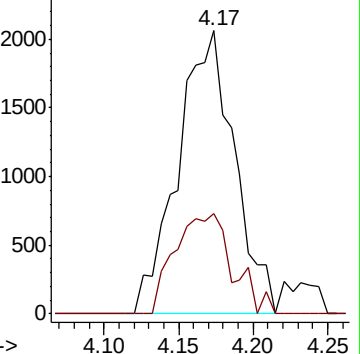
43 100

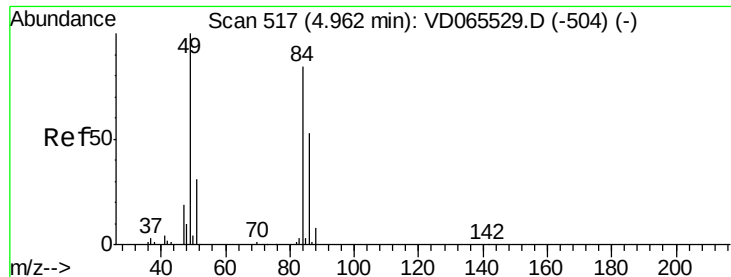
58 35.6 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

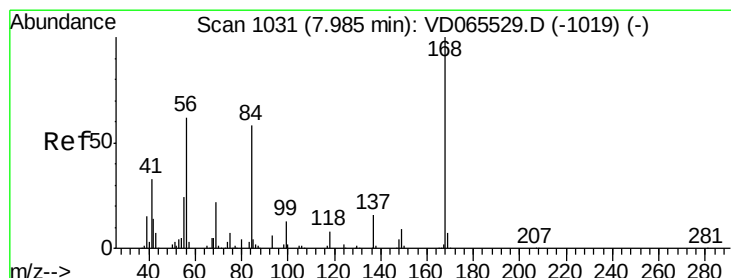
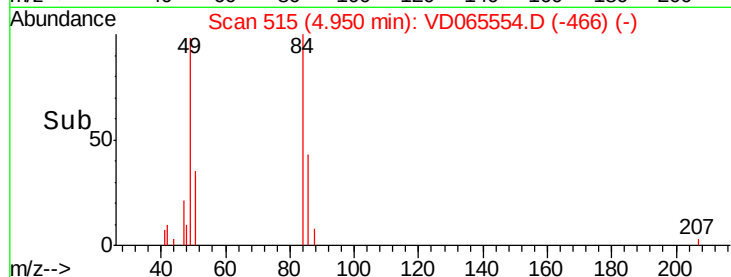
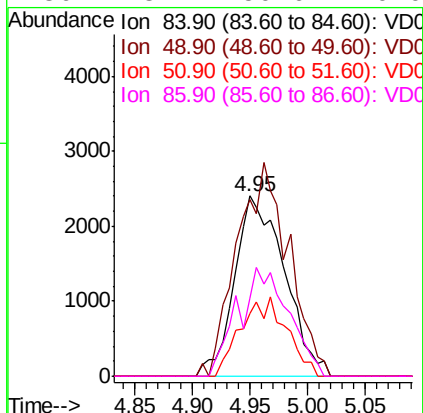
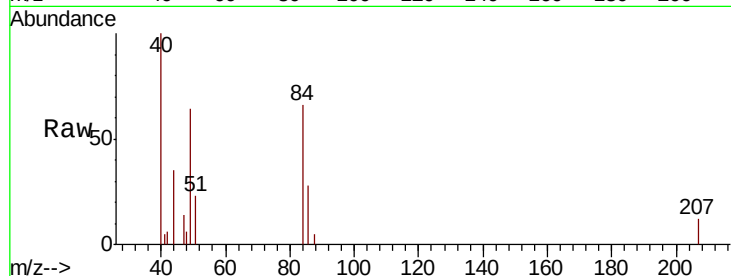




#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD065554.D
Acq: 27 Mar 2020 20:02

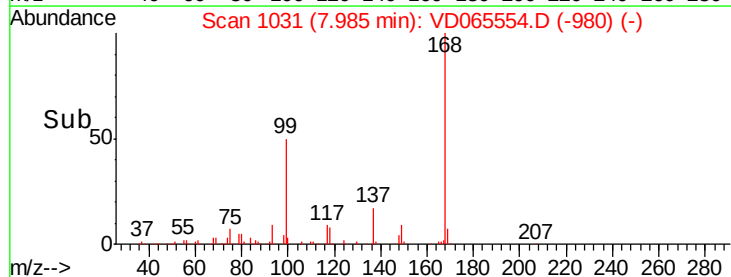
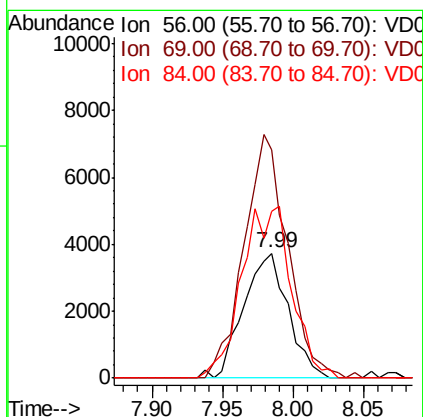
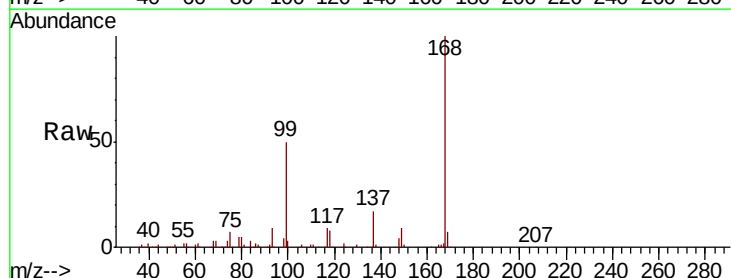
Instrument :
MSVOA_D
ClientSampleId :

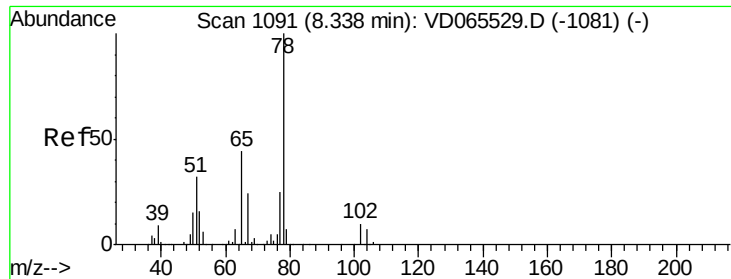
Tot Ion: 84 Resp: 7277
Ion Ratio Lower Upper
84 100
49 97.8 95.6 143.4
51 34.9 29.4 44.2
86 43.2 50.6 76.0#



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065554.D
Acq: 27 Mar 2020 20:02

Tgt Ion: 56 Resp: 8272
Ion Ratio Lower Upper
56 100
69 182.6 28.2 42.4#
84 133.9 73.4 110.0#

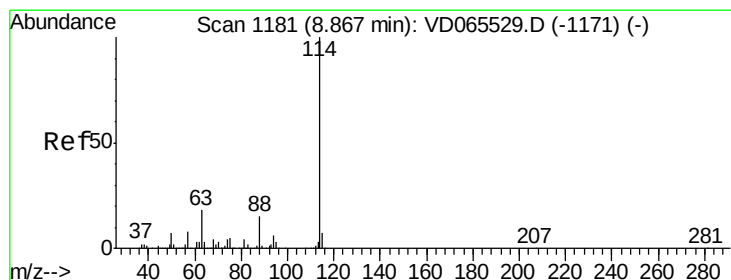
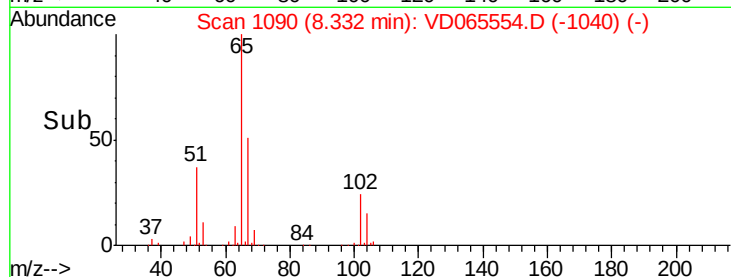
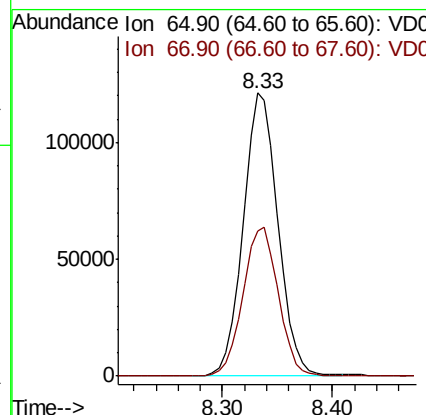
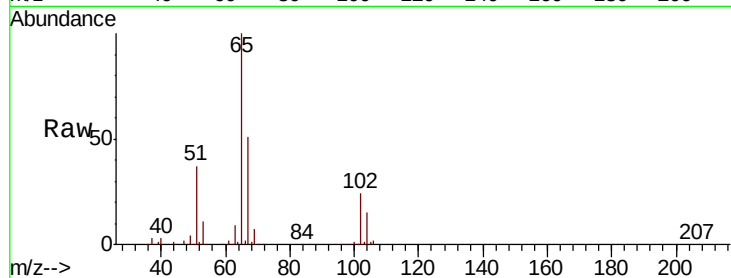




#33
 1,2-Dichloroethane-d4
 Concen: 72.725 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065554.D
 Acq: 27 Mar 2020 20:02

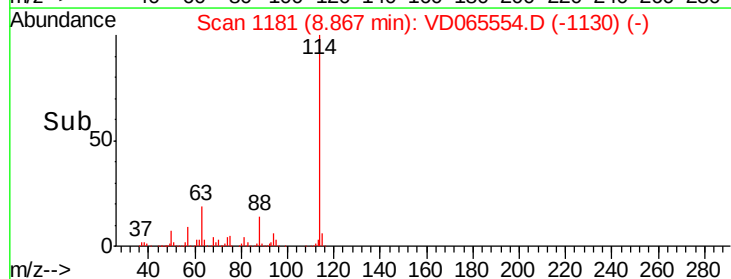
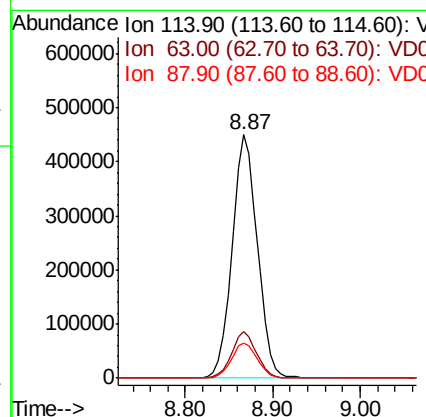
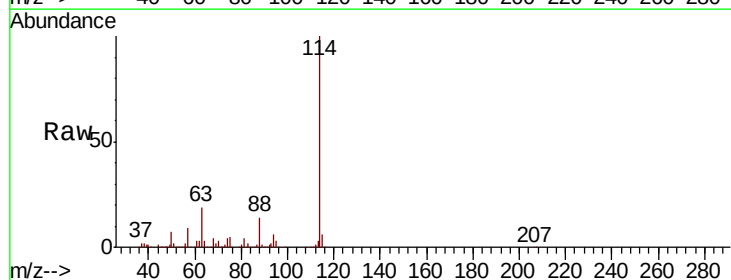
Instrument :
 MSVOA_D
 ClientSampleId :

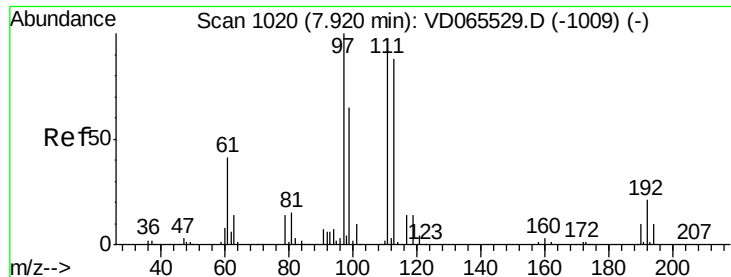
Tot Ion: 65 Resp: 268245
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065554.D
 Acq: 27 Mar 2020 20:02

Tgt Ion: 114 Resp: 882489
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.0
 88 14.4 0.0 30.4

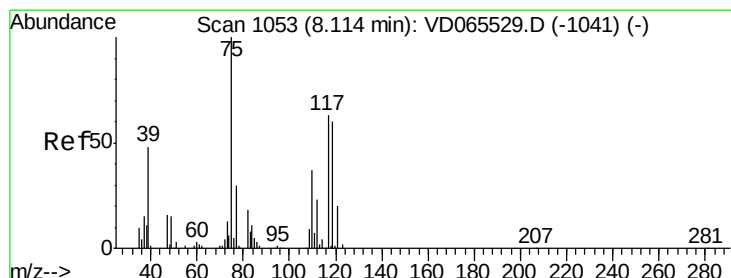
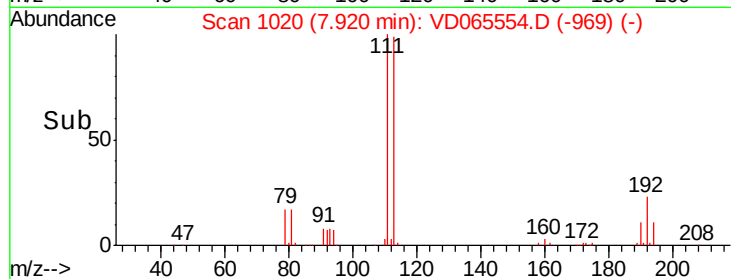
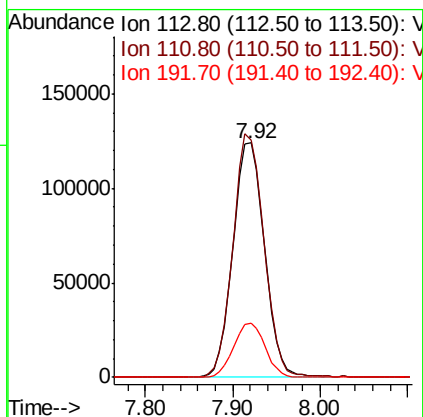
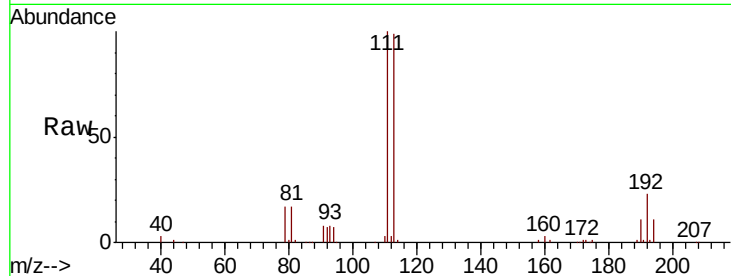




#35
 Dibromofluoromethane
 Concen: 55.732 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065554.D
 Acq: 27 Mar 2020 20:02

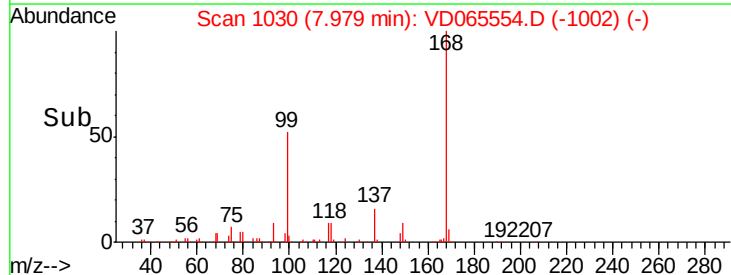
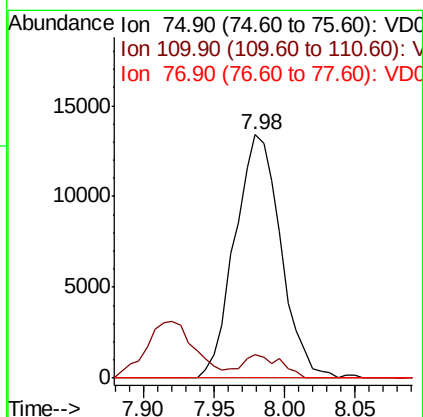
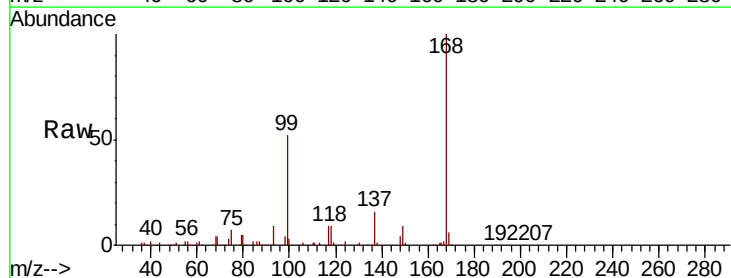
Instrument :
 MSVOA_D
 ClientSampleId :

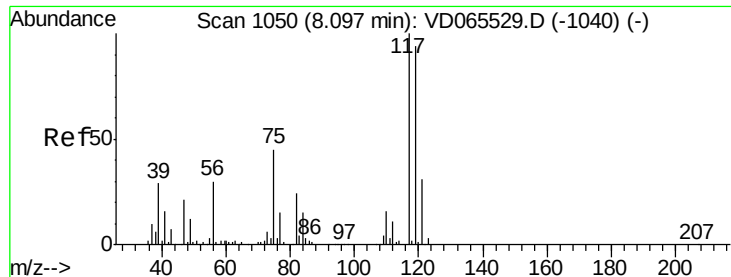
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.3	124.9
192	23.1	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 3.774 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065554.D
 Acq: 27 Mar 2020 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.8	56.4#
77	0.0	25.1	37.7#

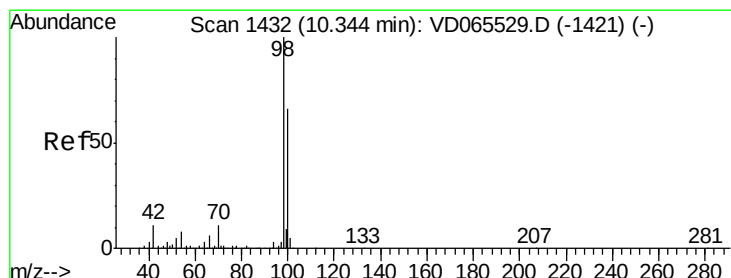
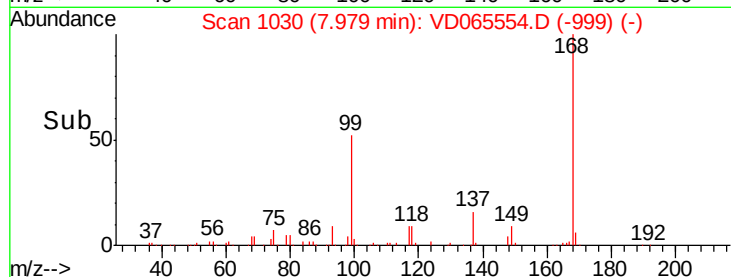
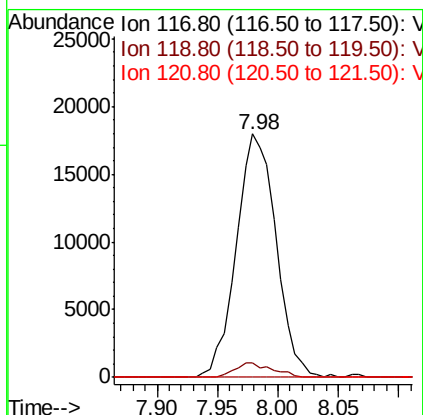
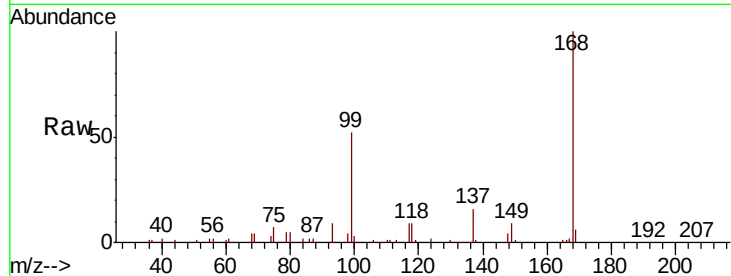




#38
Carbon Tetrachloride
Concen: 4.867 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065554.D
Acq: 27 Mar 2020 20:02

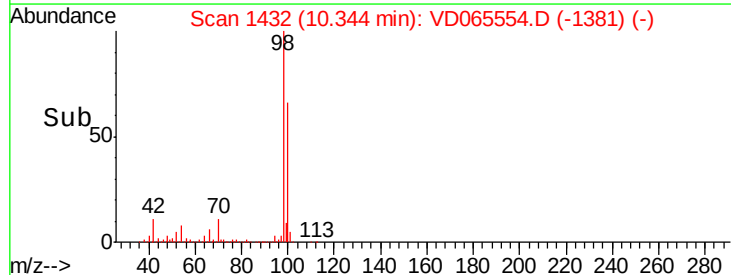
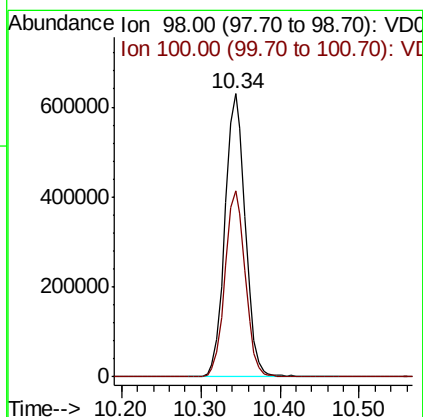
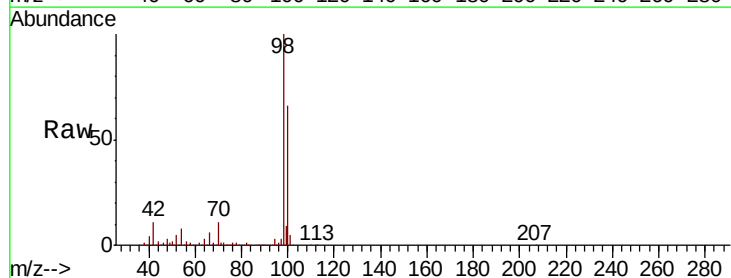
Instrument :
MSVOA_D
ClientSampled :

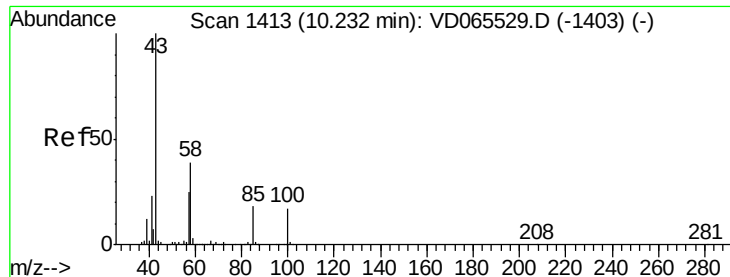
Tot Ion:117 Resp: 41336
Ion Ratio Lower Upper
117 100
119 6.1 75.2 112.8#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 54.608 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065554.D
Acq: 27 Mar 2020 20:02

Tgt Ion: 98 Resp: 1116730
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.605 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065554.D

Acq: 27 Mar 2020 20:02

Instrument :

MSVOA_D

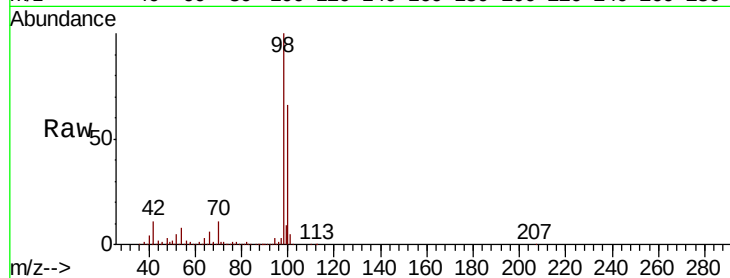
ClientSampled :

Tot Ion: 43 Resp: 4539

Ion Ratio Lower Upper

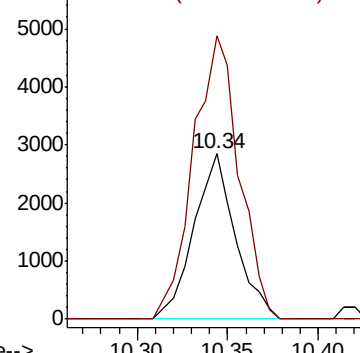
43 100

58 188.7 31.4 47.2#

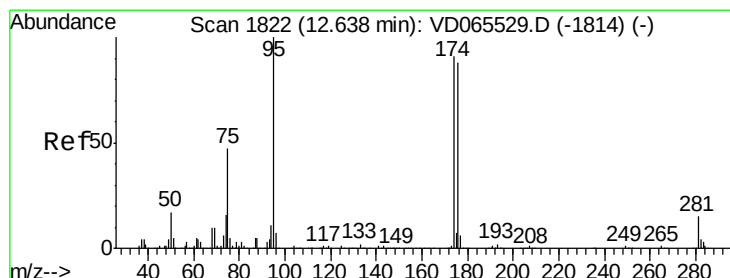
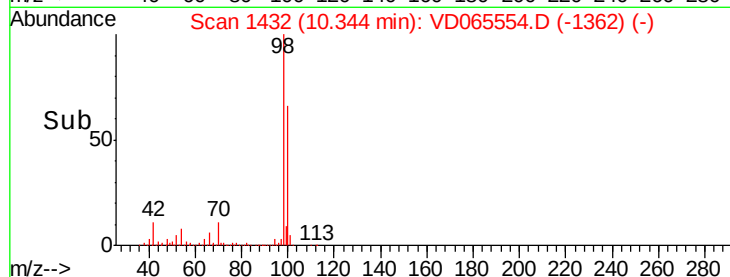


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: 55.480 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065554.D

Acq: 27 Mar 2020 20:02

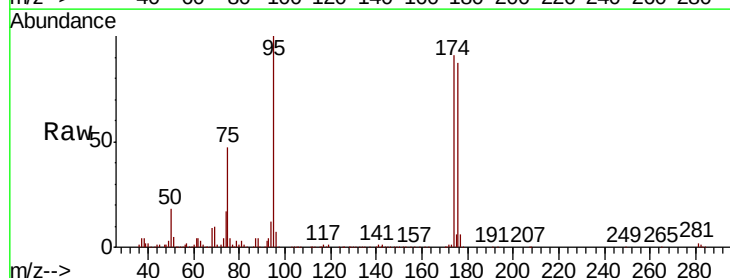
Tgt Ion: 95 Resp: 360102

Ion Ratio Lower Upper

95 100

174 94.1 0.0 183.8

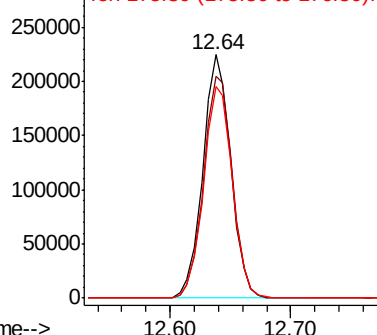
176 90.0 0.0 178.2



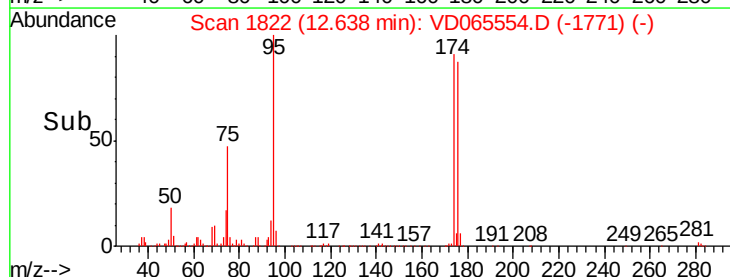
Abundance Ion 94.90 (94.60 to 95.60): VDC

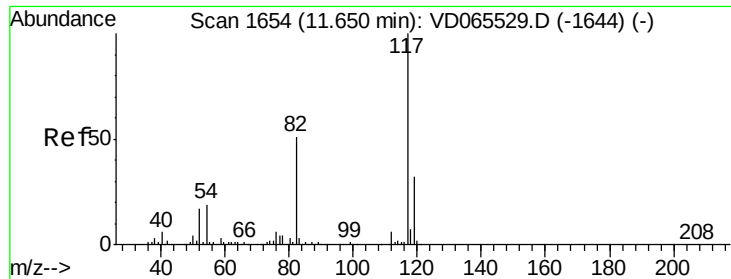
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

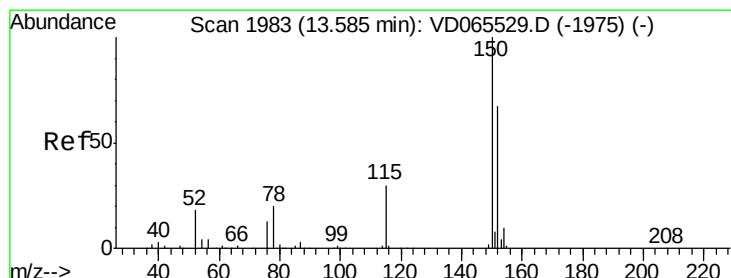
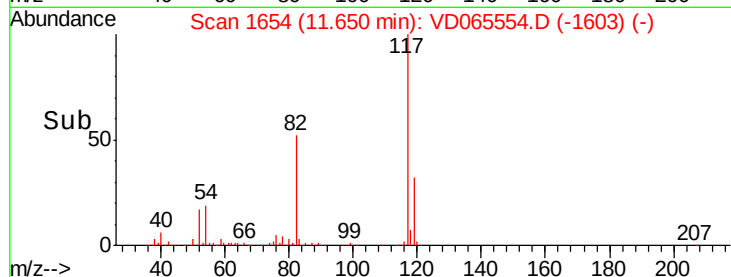
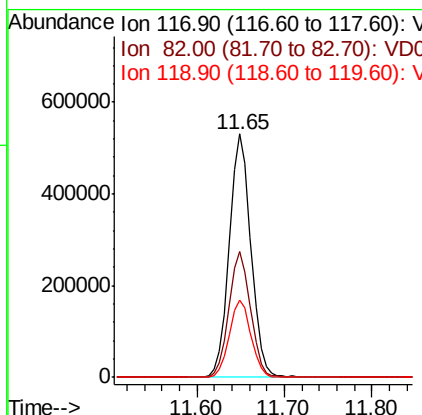
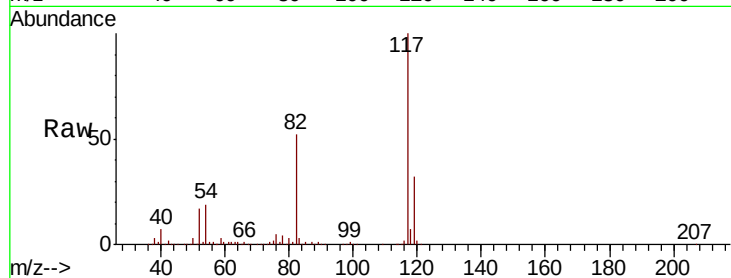




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065554.D
Acq: 27 Mar 2020 20:02

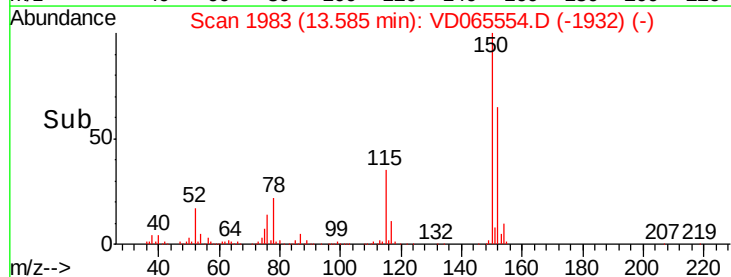
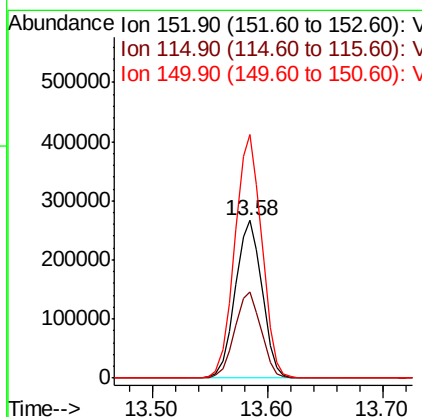
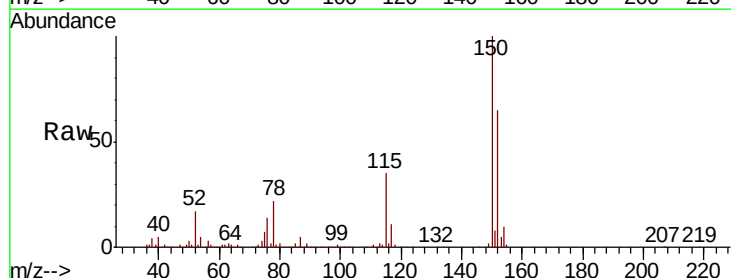
Instrument :
MSVOA_D
ClientSampleId :

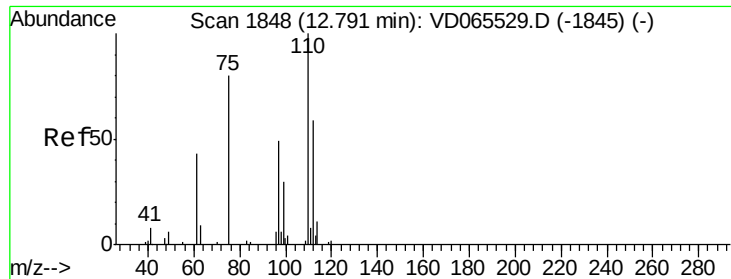
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.0	61.6
119	31.9	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065554.D
Acq: 27 Mar 2020 20:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.2	81.6
150	156.1	0.0	340.2

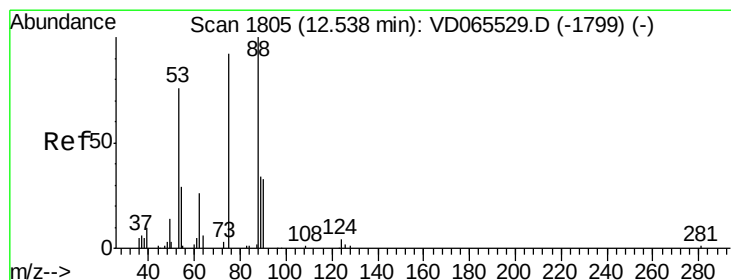
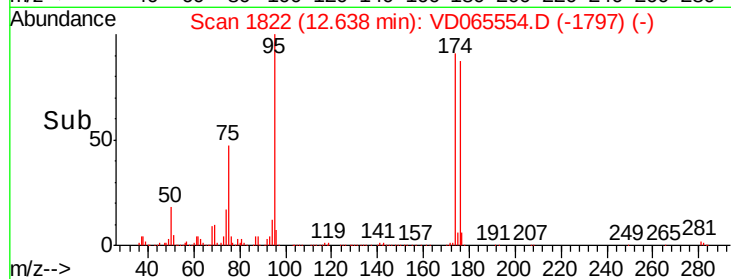
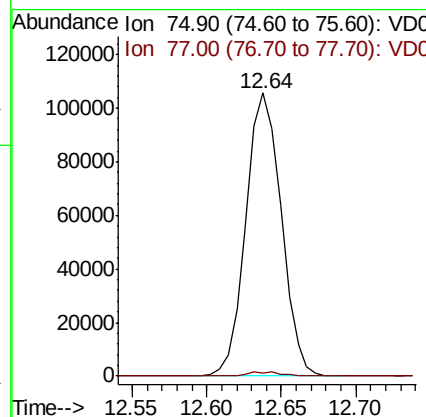
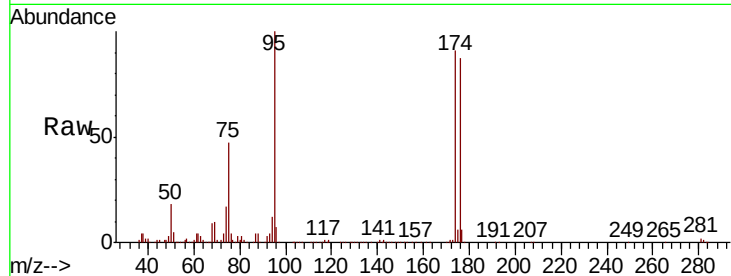




#76
 1,2,3-Trichloropropane
 Concen: 53.115 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065554.D
 Acq: 27 Mar 2020 20:02

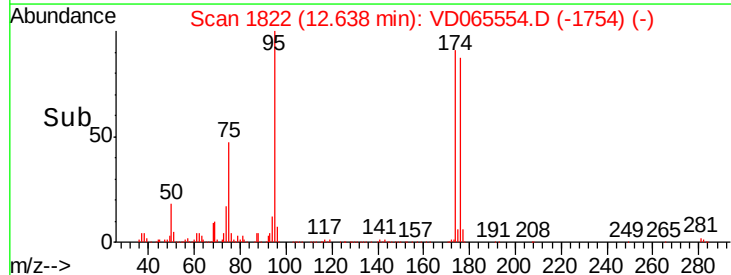
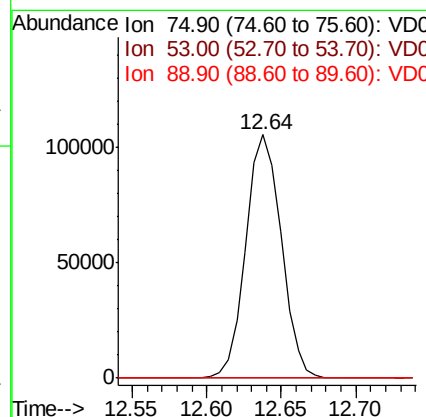
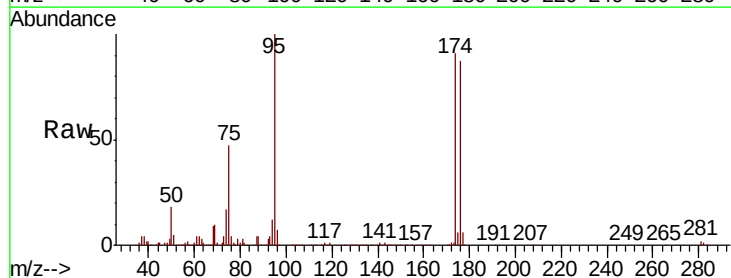
Instrument :
 MSVOA_D
 ClientSampleId :

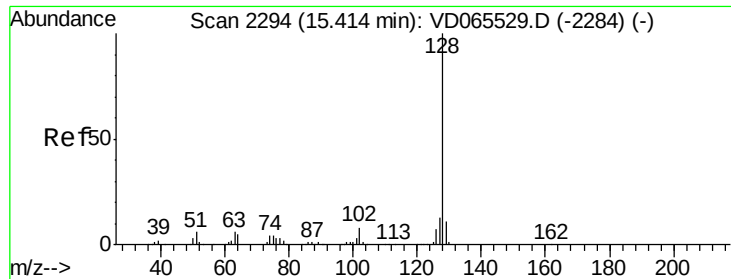
Tot Ion: 75 Resp: 173580
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.563 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065554.D
 Acq: 27 Mar 2020 20:02

Tgt Ion: 75 Resp: 173580
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.4 108.6#
 89 0.1 36.9 55.3#

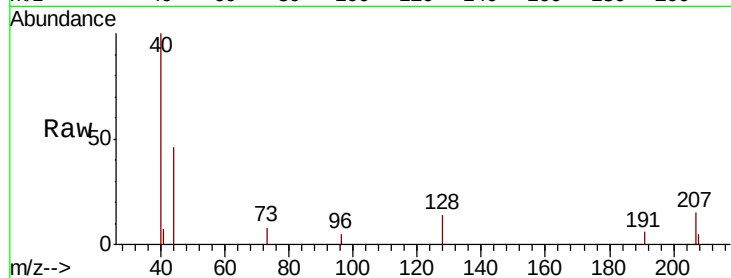




#95
 Naphthalene
 Concen: 4.361 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VD065554.D
 Acq: 27 Mar 2020 20:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

