

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063085.D
 Acq On : 15 Jul 2019 17:21
 Operator : VA/AP
 Sample : K3618--03
 Misc : 6.23g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-071119

Quant Time: Jul 16 08:21:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	754814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1072767	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	913711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	439059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	496631	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
35) Dibromofluoromethane	6.91	113	559895	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
50) Toluene-d8	10.41	98	1179708	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	13.55	95	535362	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	

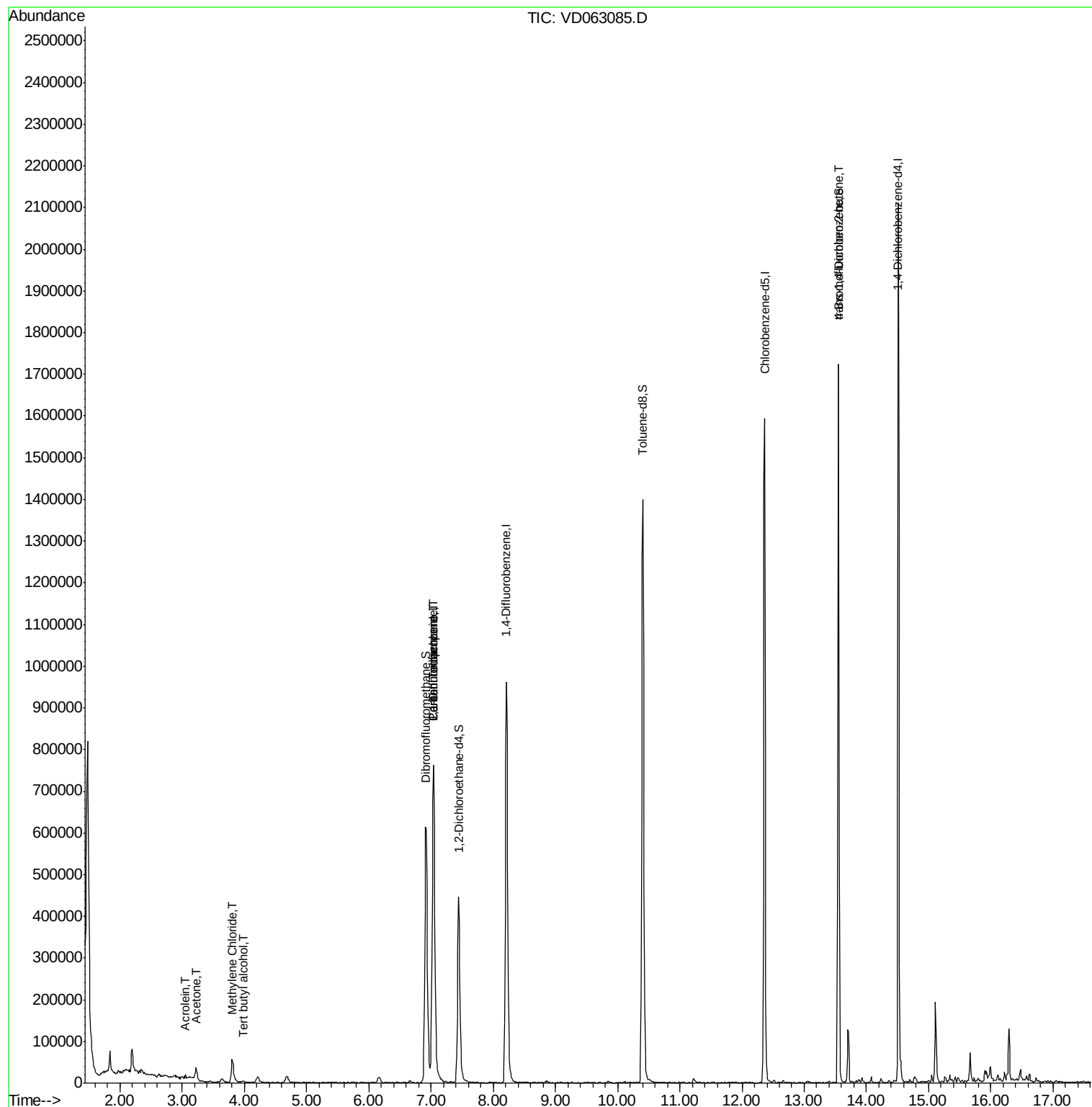
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	439	Below Cal	#	43
3) Chloromethane	1.77	50	1730	Below Cal	#	48
5) Bromomethane	2.16	94	6102	Below Cal	#	13
11) Tert butyl alcohol	3.98	59	2180	4.017	ug/l #	77
13) Acrolein	3.06	56	185	1.130	ug/l #	1
16) Acetone	3.22	43	66674	29.359	ug/l	93
18) Methyl Acetate	3.64	43	15992	Below Cal	#	88
20) Methylene Chloride	3.80	84	31993	3.729	ug/l	90
36) 1,1-Dichloropropene	7.03	75	56333	4.669	ug/l #	49
38) Carbon Tetrachloride	7.04	117	81589	4.450	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.55	75	238388	134.033	ug/l #	1

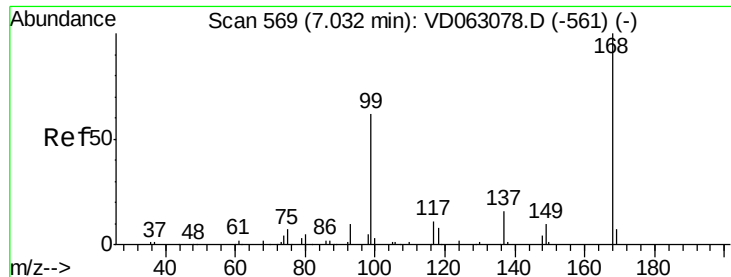
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD063085.D

Acq: 15 Jul 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

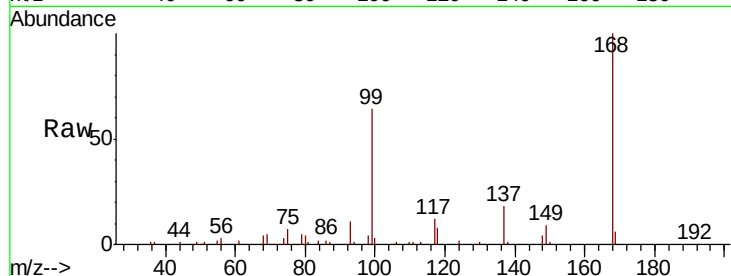
HD-02-071119

Tot Ion:168 Resp: 754814

Ion Ratio Lower Upper

168 100

99 64.2 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

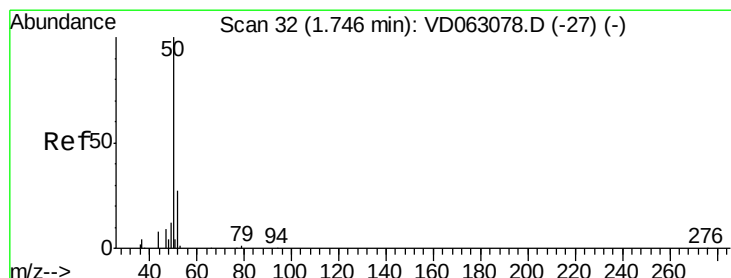
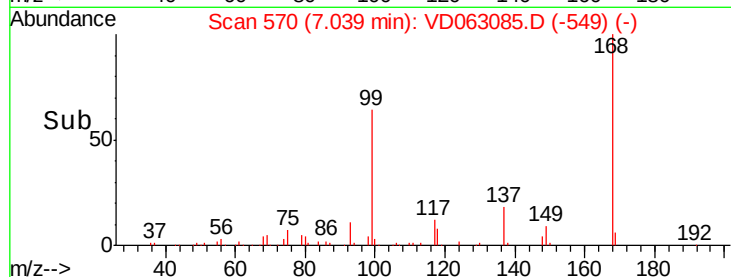
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.77 min Scan# 35

Delta R.T. 0.03 min

Lab File: VD063085.D

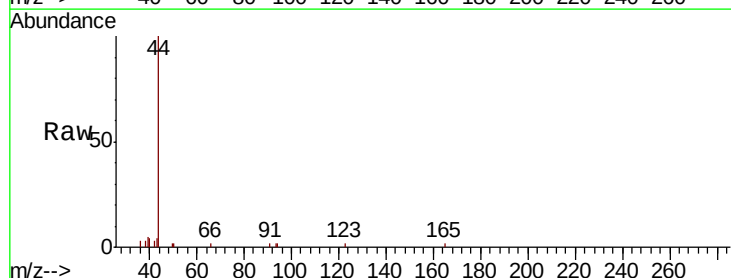
Acq: 15 Jul 2019 17:21

Tgt Ion: 50 Resp: 1730

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

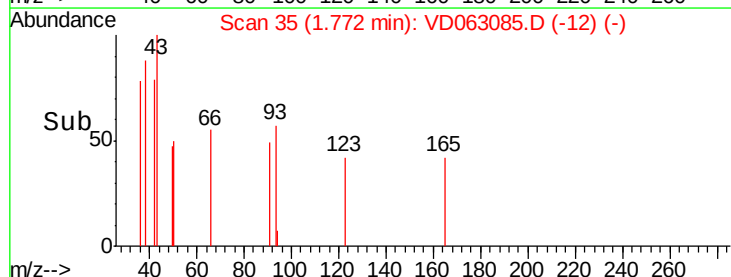
1.77

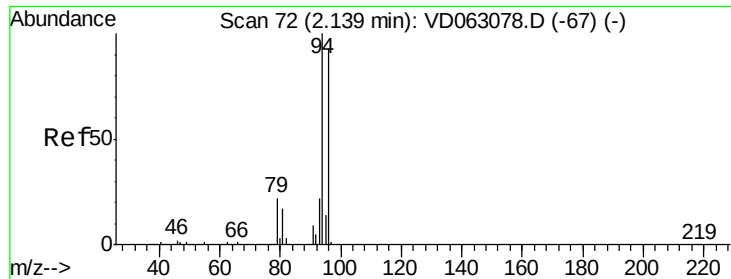
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 74

Delta R.T. 0.02 min

Lab File: VD063085.D

Acq: 15 Jul 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

HD-02-071119

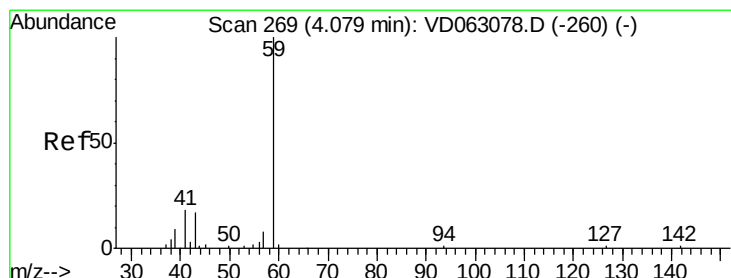
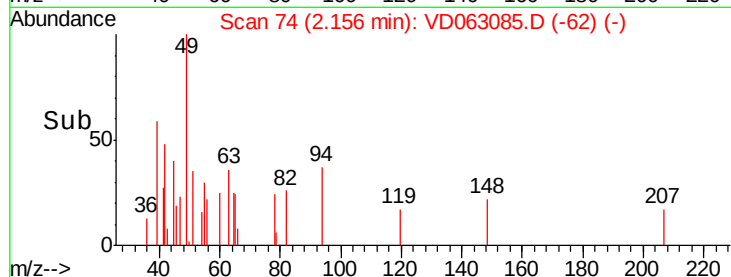
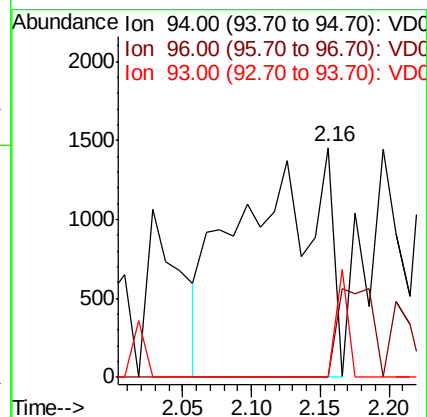
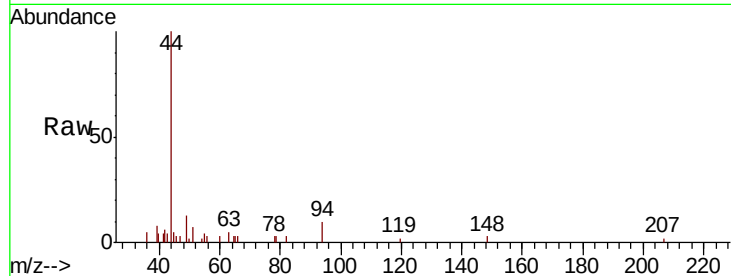
Tot Ion: 94 Resp: 6102

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 4.017 ug/l

RT: 3.98 min Scan# 259

Delta R.T. -0.10 min

Lab File: VD063085.D

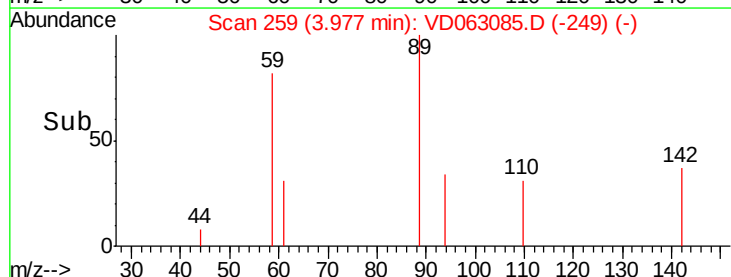
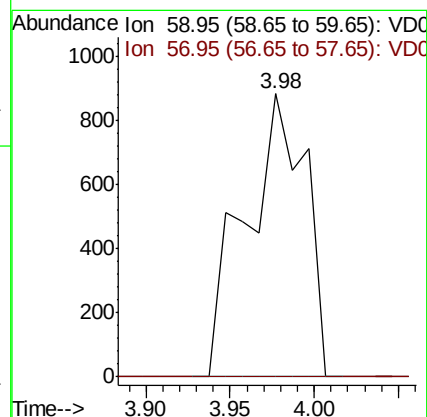
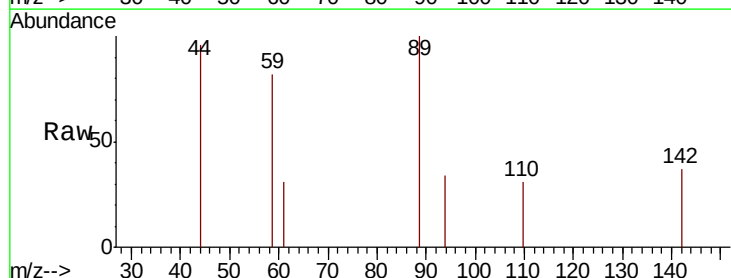
Acq: 15 Jul 2019 17:21

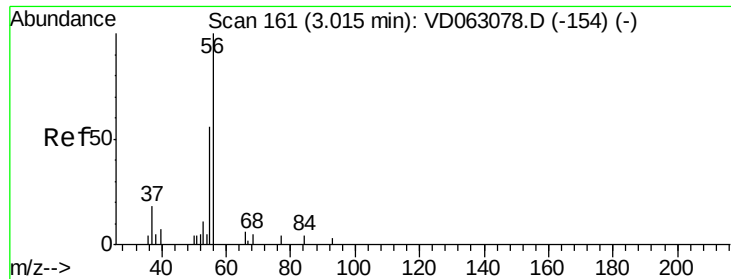
Tgt Ion: 59 Resp: 2180

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#13

Acrolein

Concen: 1.130 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.05 min

Lab File: VD063085.D

Acq: 15 Jul 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

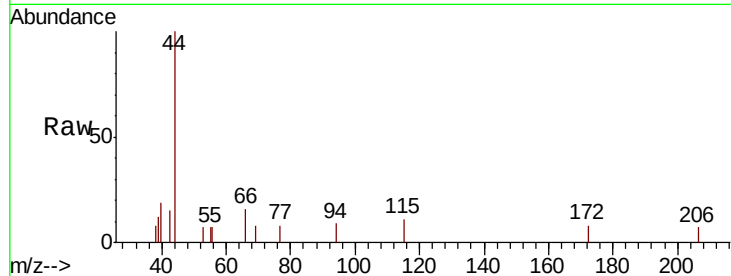
HD-02-071119

Tot Ion: 56 Resp: 185

Ion Ratio Lower Upper

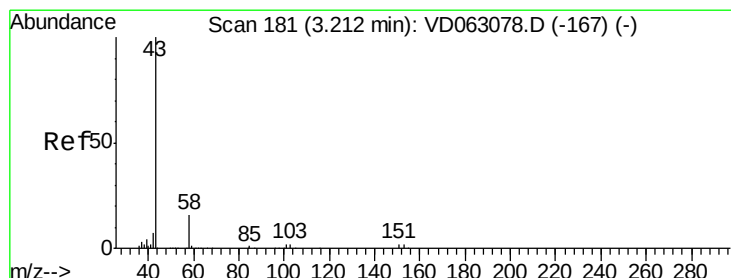
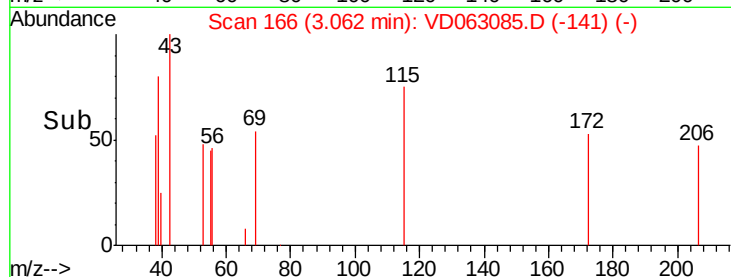
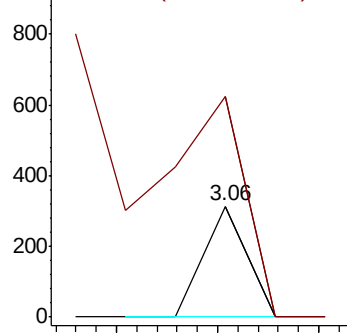
56 100

55 198.7 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 29.359 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD063085.D

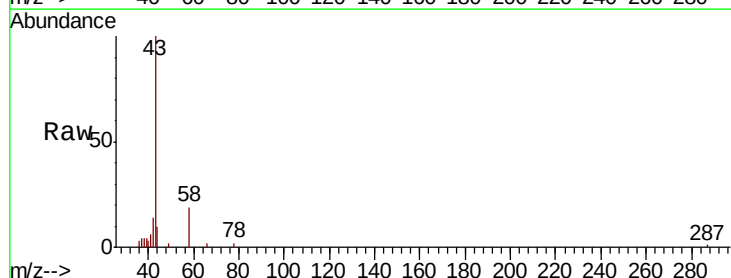
Acq: 15 Jul 2019 17:21

Tgt Ion: 43 Resp: 66674

Ion Ratio Lower Upper

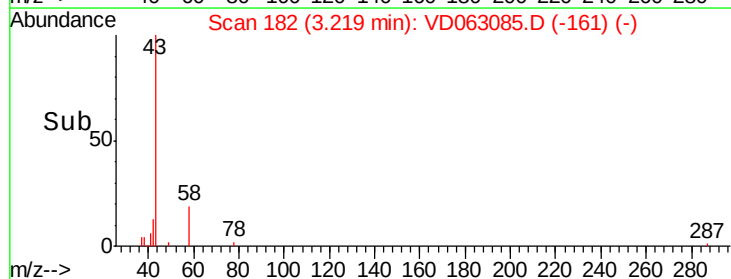
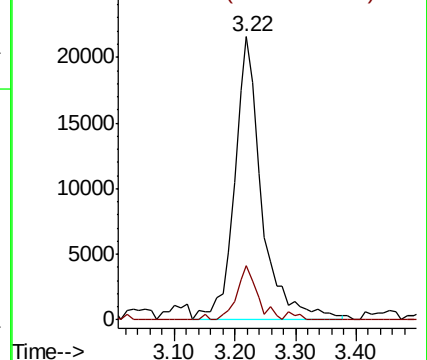
43 100

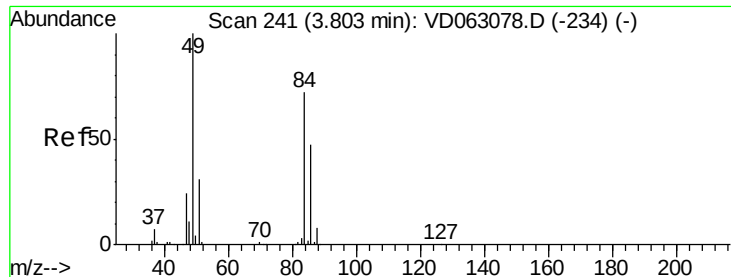
58 19.0 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

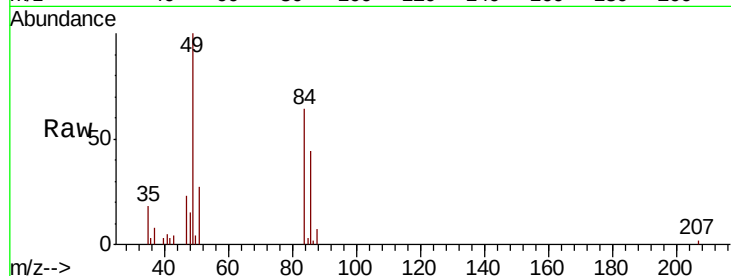




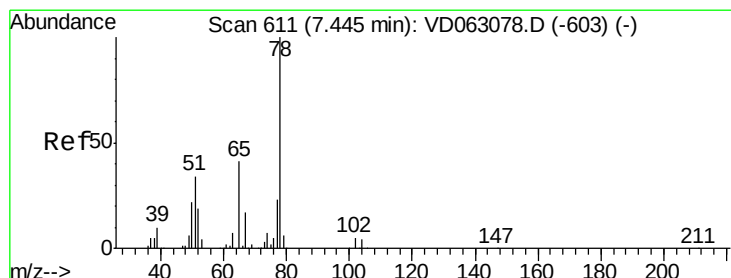
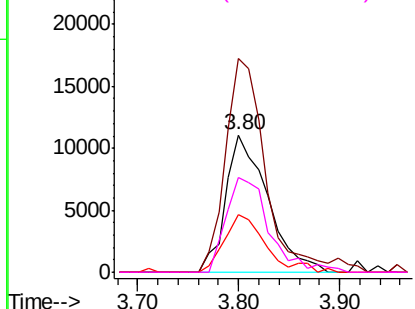
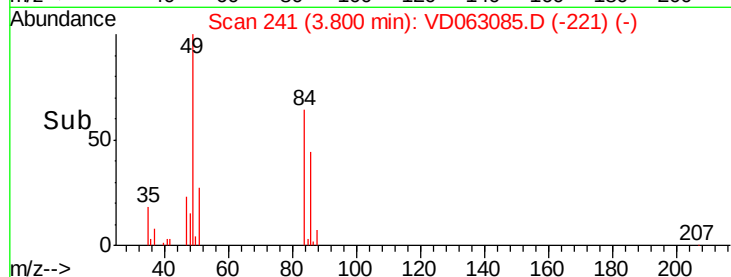
#20
Methylene Chloride
Concen: 3.729 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD063085.D
Acq: 15 Jul 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
HD-02-071119

Tot Ion: 84 Resp: 31993
Ion Ratio Lower Upper
84 100
49 155.6 110.5 165.7
51 41.6 34.6 51.8
86 69.0 51.6 77.4

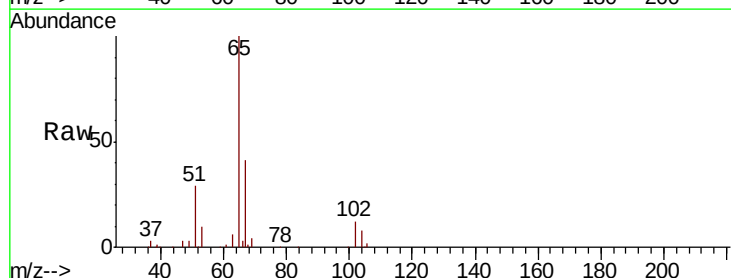


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

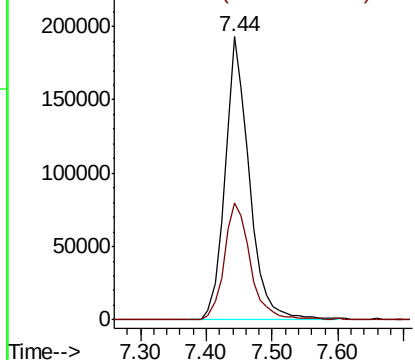
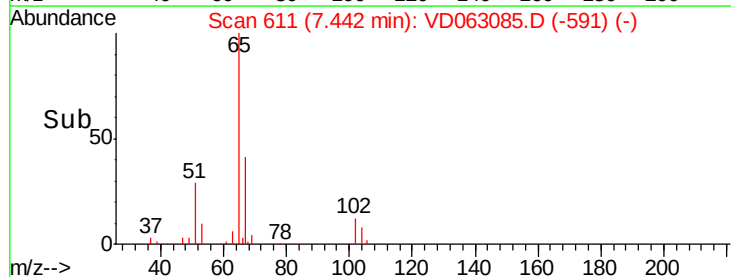


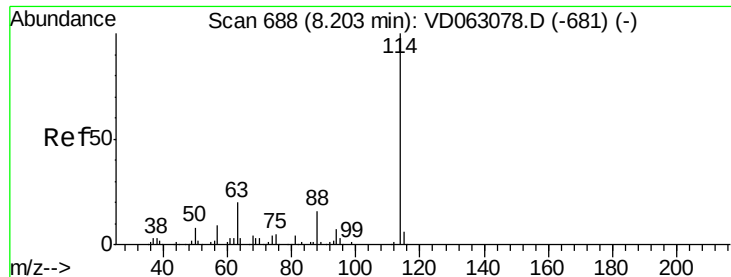
#33
1,2-Dichloroethane-d4
Concen: 52.818 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.00 min
Lab File: VD063085.D
Acq: 15 Jul 2019 17:21

Tgt Ion: 65 Resp: 496631
Ion Ratio Lower Upper
65 100
67 41.2 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

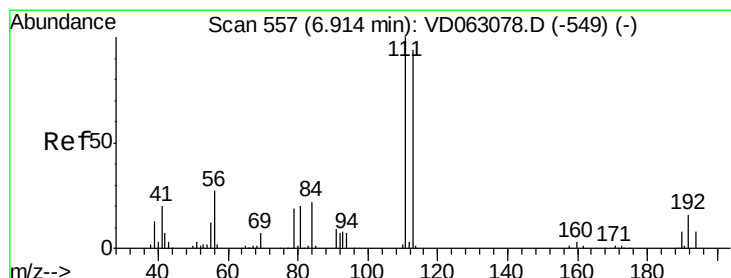
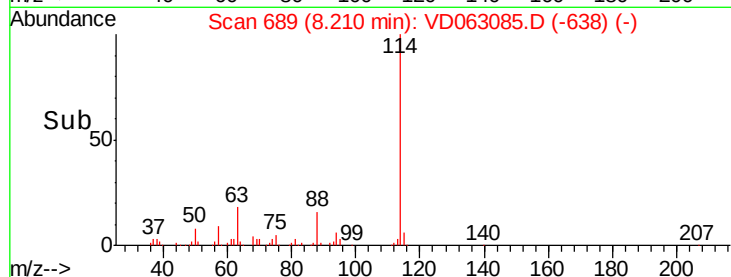
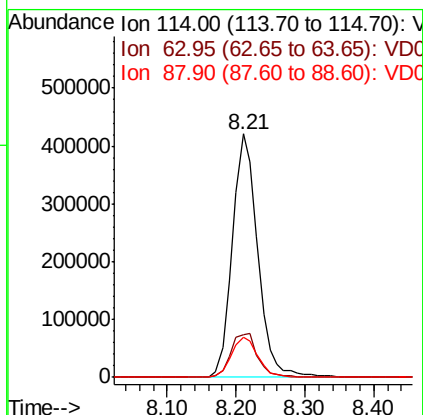
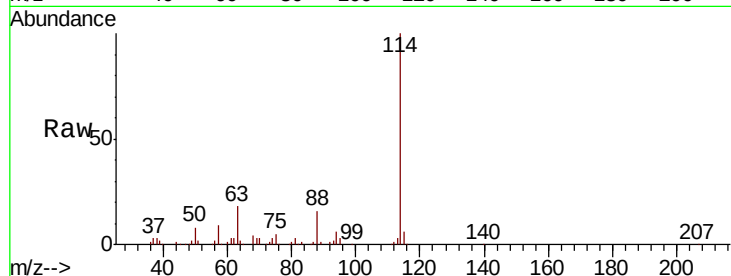




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.01 min
 Lab File: VD063085.D
 Acq: 15 Jul 2019 17:21

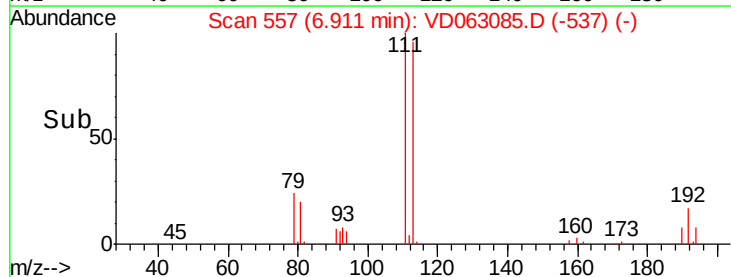
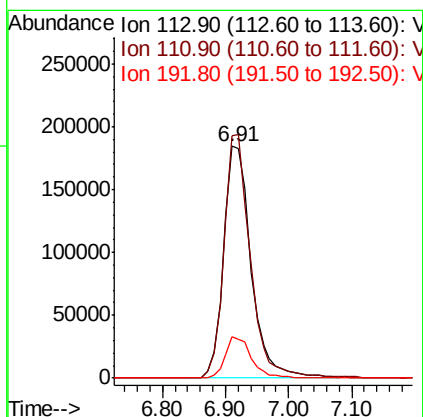
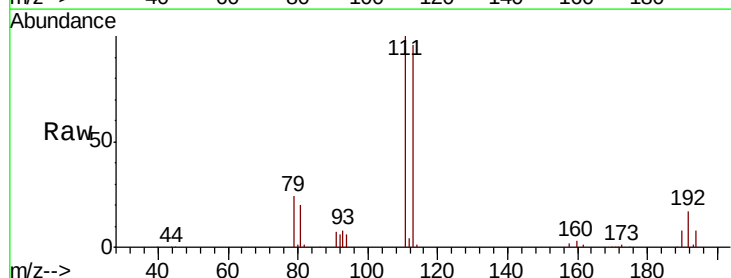
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-071119

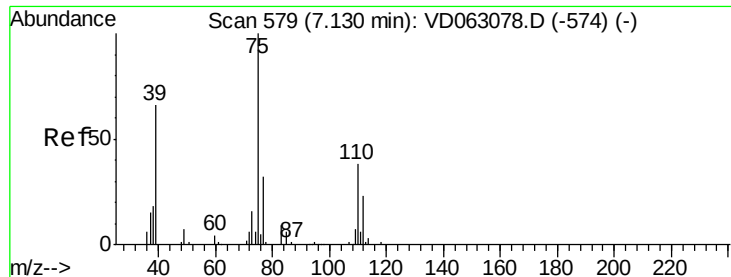
Tot Ion:114 Resp: 1072767
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 40.6
 88 16.4 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 52.400 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VD063085.D
 Acq: 15 Jul 2019 17:21

Tgt Ion:113 Resp: 559895
 Ion Ratio Lower Upper
 113 100
 111 104.3 84.8 127.2
 192 17.9 13.4 20.0

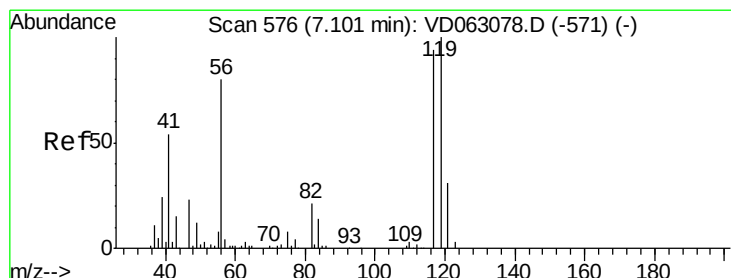
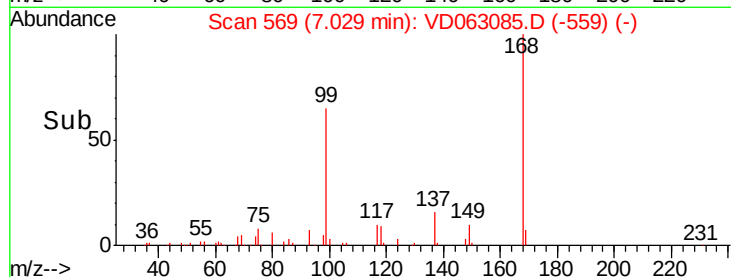
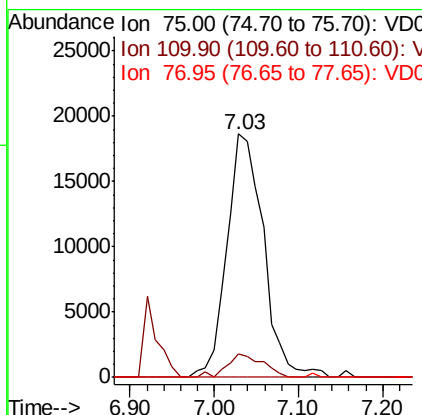
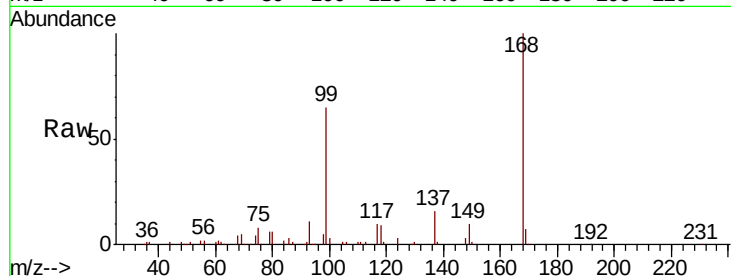




#36
 1,1-Dichloropropene
 Concen: 4.669 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063085.D
 Acq: 15 Jul 2019 17:21

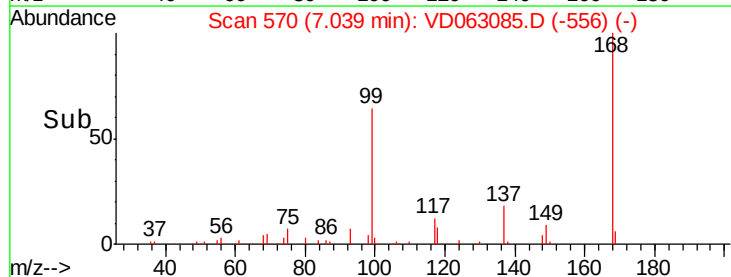
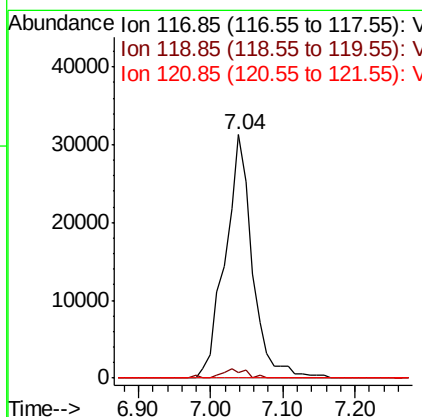
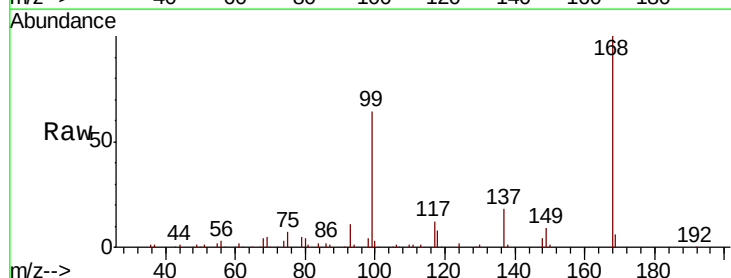
Instrument :
 MSVOA_D
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 HD-02-071119

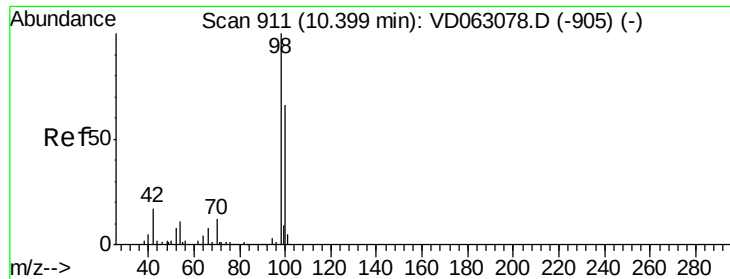
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.9	56.5#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 4.450 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.06 min
 Lab File: VD063085.D
 Acq: 15 Jul 2019 17:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.5	80.0	120.0#
121	0.0	25.0	37.4#

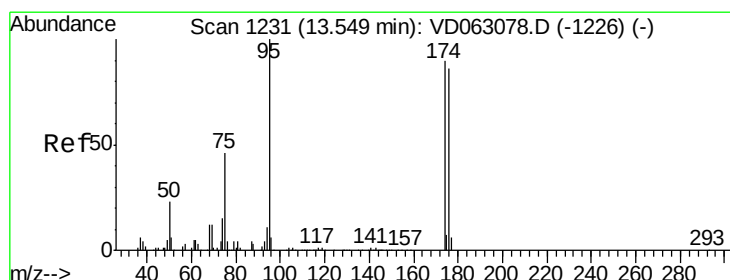
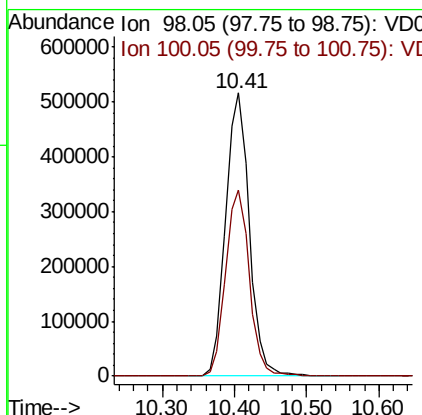
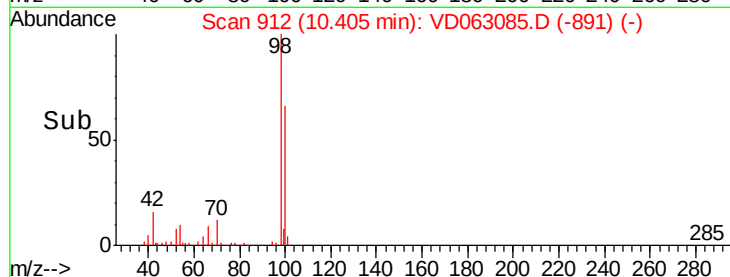
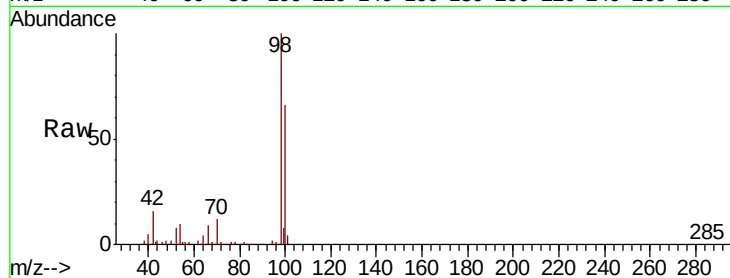




#50
Toluene-d8
Concen: 51.400 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063085.D
Acq: 15 Jul 2019 17:21

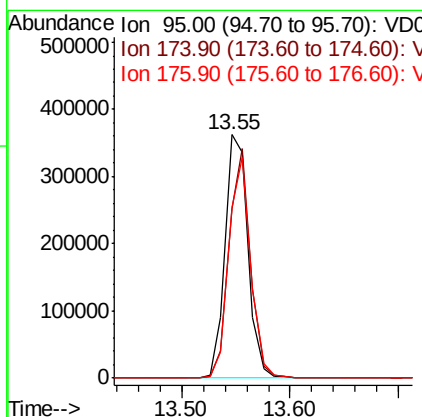
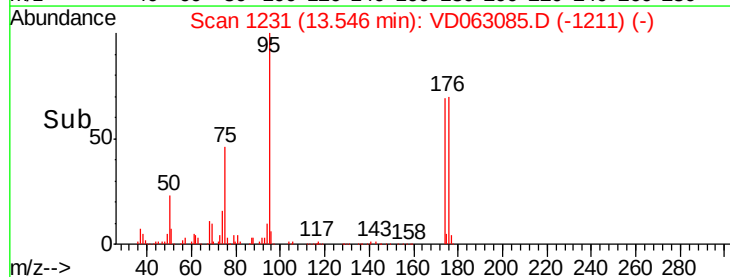
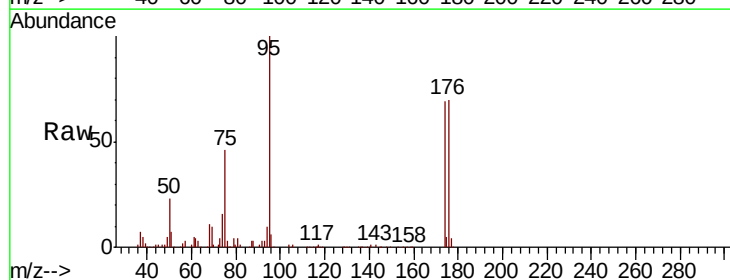
Instrument :
MSVOA_D
ClientSampleId :
HD-02-071119

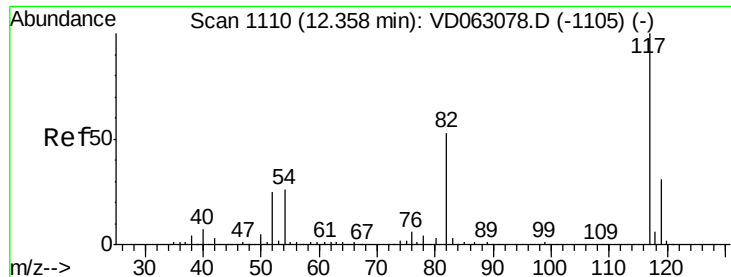
Tot Ion: 98 Resp: 1179708
Ion Ratio Lower Upper
98 100
100 65.7 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.419 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD063085.D
Acq: 15 Jul 2019 17:21

Tgt Ion: 95 Resp: 535362
Ion Ratio Lower Upper
95 100
174 69.4 0.0 180.6
176 70.2 0.0 172.2

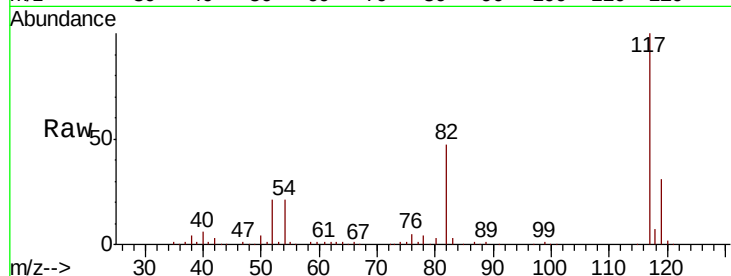




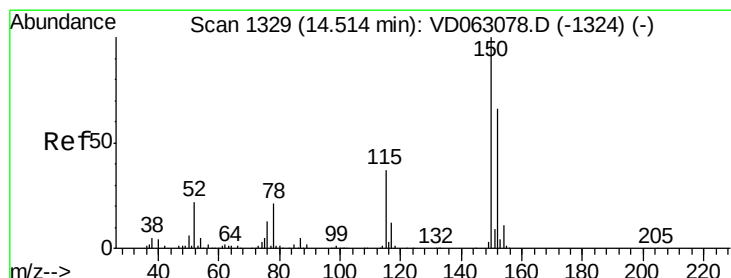
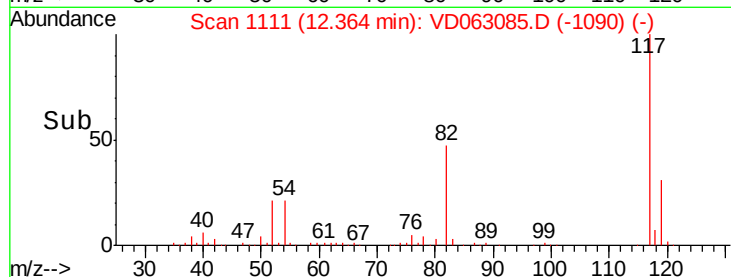
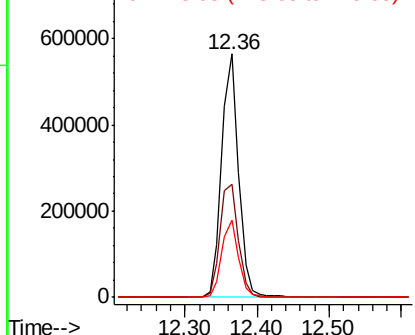
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063085.D
Acq: 15 Jul 2019 17:21

Instrument :
MSVOA_D
ClientSampleId :
HD-02-071119

Tot Ion:117 Resp: 913711
Ion Ratio Lower Upper
117 100
82 46.6 42.3 63.5
119 31.5 25.2 37.8

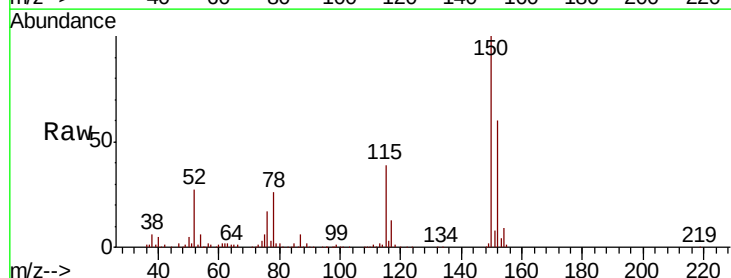


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

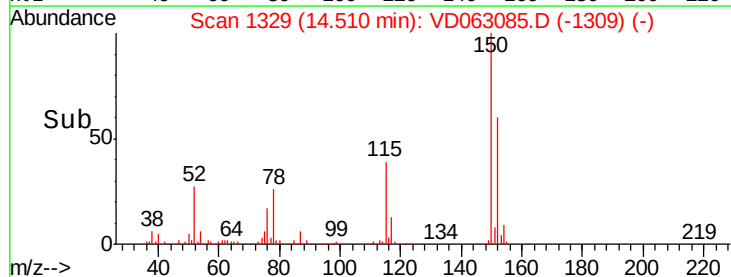
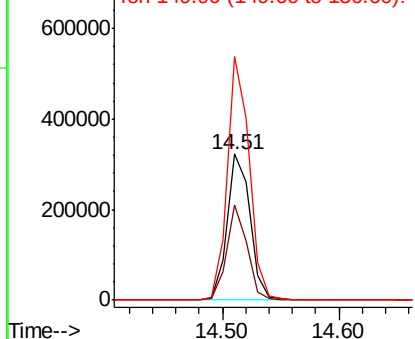


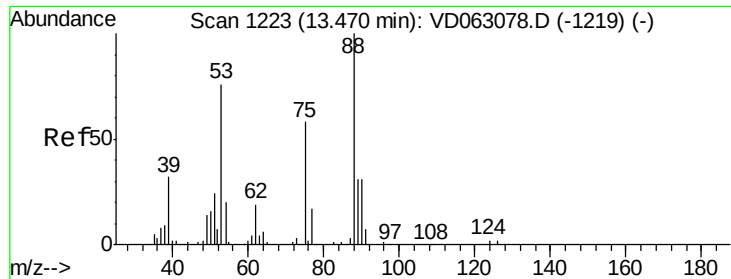
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD063085.D
Acq: 15 Jul 2019 17:21

Tgt Ion:152 Resp: 439059
Ion Ratio Lower Upper
152 100
115 65.0 28.9 86.8
150 166.9 0.0 313.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 134.033 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063085.D

Acq: 15 Jul 2019 17:21

Instrument :

MSVOA_D

ClientSampleId :

HD-02-071119

Tot Ion: 75 Resp: 238388

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

