

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062536.D
 Acq On : 28 May 2019 13:54
 Operator : VA/AP
 Sample : VD0528SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBL01

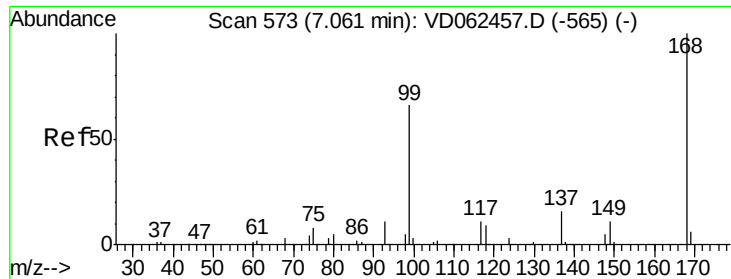
Quant Time: May 29 00:59:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	414968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	538360	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	454400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	274209	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	241277	54.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.64%	
35) Dibromofluoromethane	6.94	113	238066	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
50) Toluene-d8	10.42	98	469602	44.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.36%	
62) 4-Bromofluorobenzene	13.56	95	230327	49.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	458	Below Cal	#	42
16) Acetone	3.24	43	5034	6.324	ug/l #	50
20) Methylene Chloride	3.82	84	6802	Below Cal	#	86
25) 2-Butanone	6.19	43	5310	6.378	ug/l #	56
29) Tetrahydrofuran	6.17	42	1089	2.739	ug/l #	30
31) Cyclohexane	7.04	56	10275	2.450	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	33983	6.602	ug/l #	49
37) Ethyl Acetate	6.19	43	5310	2.656	ug/l #	47
38) Carbon Tetrachloride	7.06	117	43909	5.740	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	119986	131.721	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.00 min

Lab File: VD062536.D

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MSVOA_D

ClientSampleId :

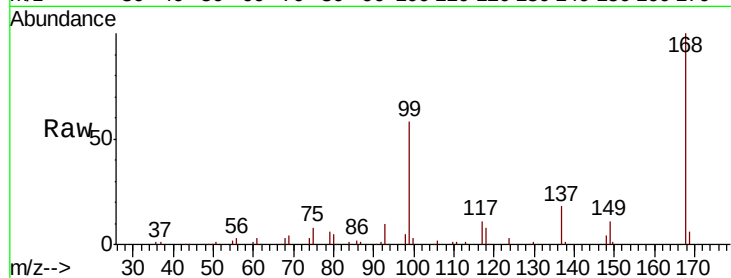
VD0528SBL01

Tot Ion:168 Resp: 414968

Ion Ratio Lower Upper

168 100

99 57.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

150000

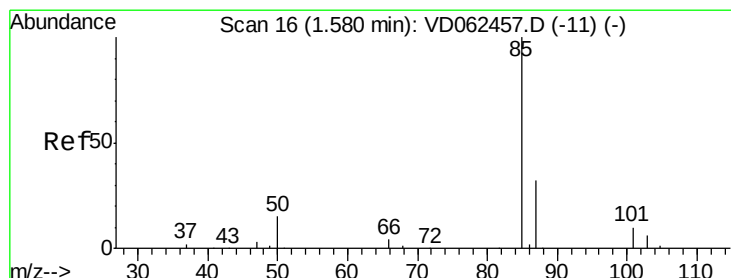
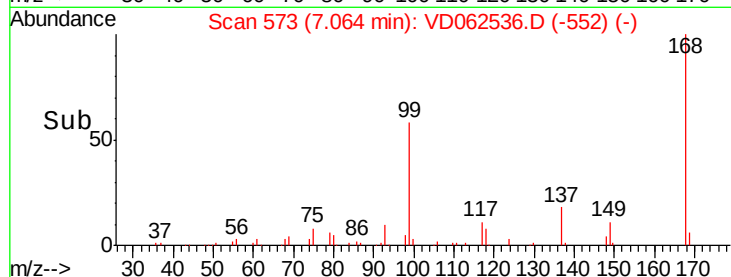
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD062536.D

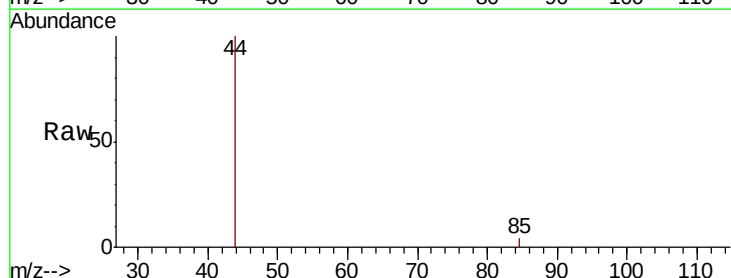
Acq: 28 May 2019 13:54

Tgt Ion: 85 Resp: 458

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V

1.58

500

400

300

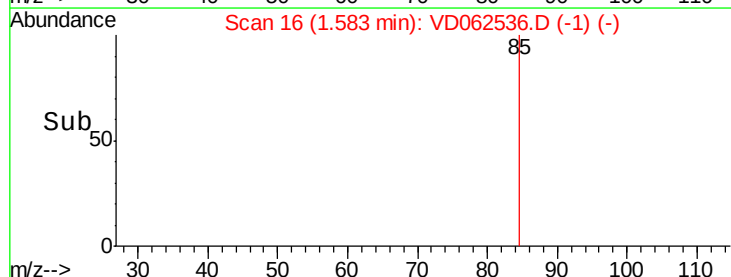
200

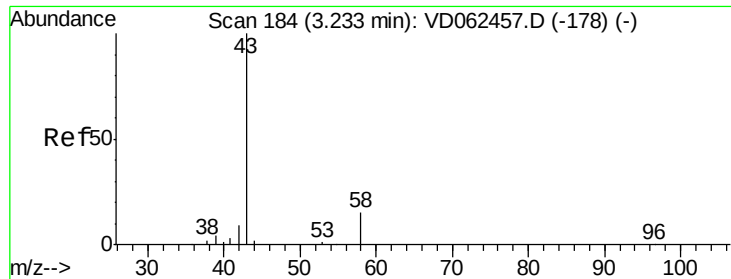
100

0

Time-->

1.54 1.56 1.58 1.60 1.62





#16

Acetone

Concen: 6.324 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062536.D

Acq: 28 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

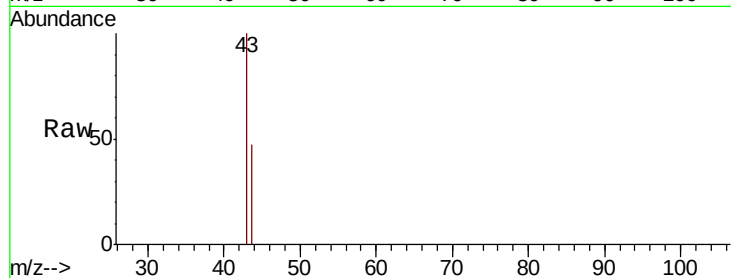
VD0528SBL01

Tot Ion: 43 Resp: 5034

Ion Ratio Lower Upper

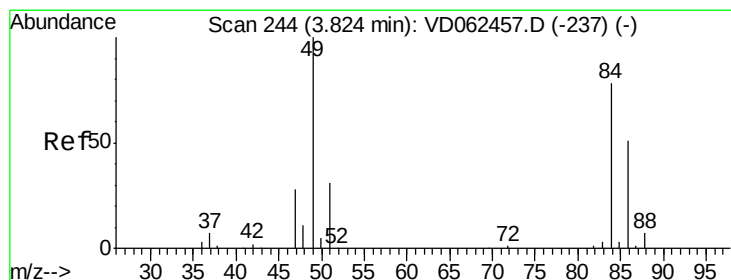
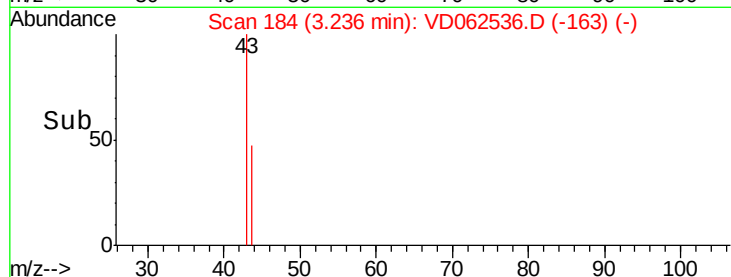
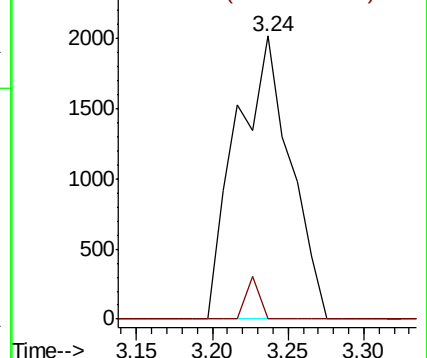
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062536.D

Acq: 28 May 2019 13:54

Tgt Ion: 84 Resp: 6802

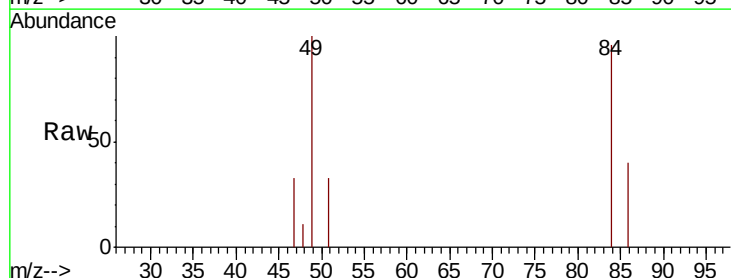
Ion Ratio Lower Upper

84 100

49 104.6 94.0 141.0

51 34.2 29.0 43.4

86 42.1 49.8 74.6#

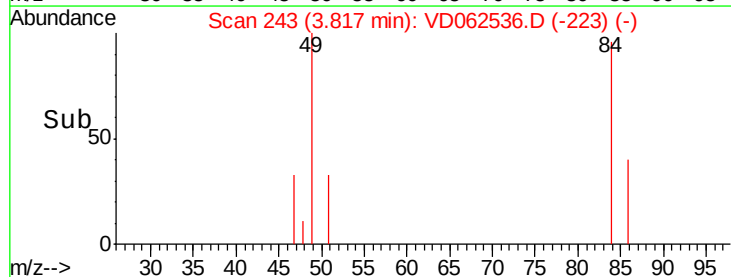
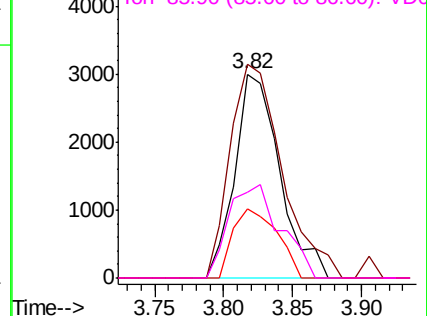


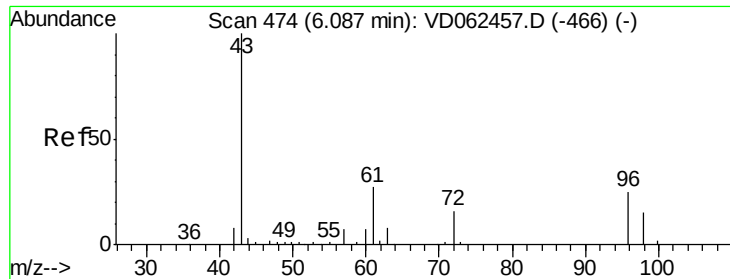
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 6.378 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.10 min

Lab File: VD062536.D

Acq: 28 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

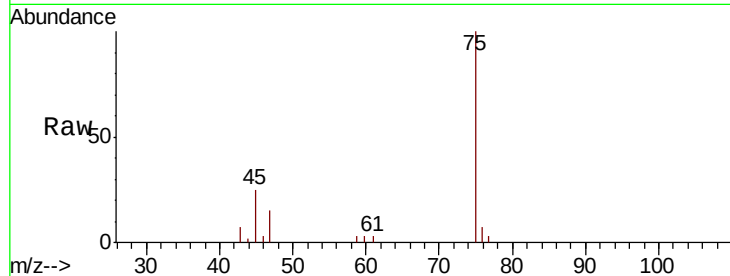
VD0528SBL01

Tot Ion: 43 Resp: 5310

Ion Ratio Lower Upper

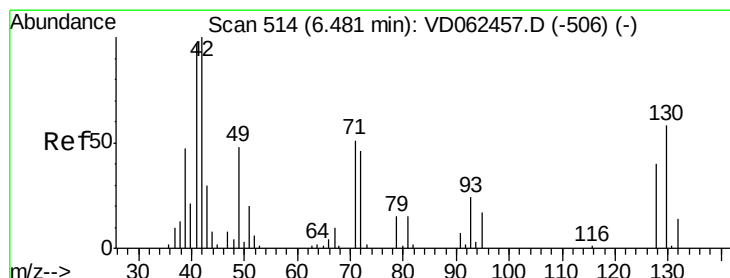
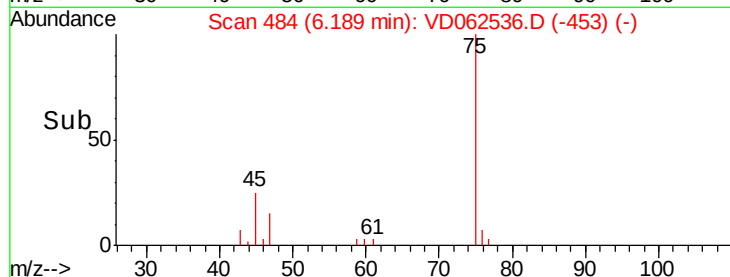
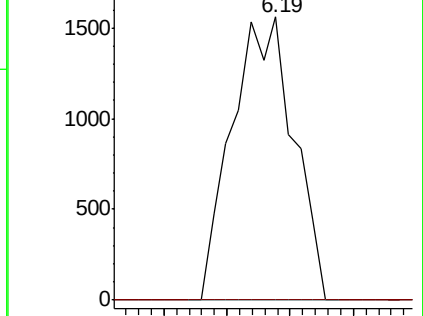
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 2.739 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.31 min

Lab File: VD062536.D

Acq: 28 May 2019 13:54

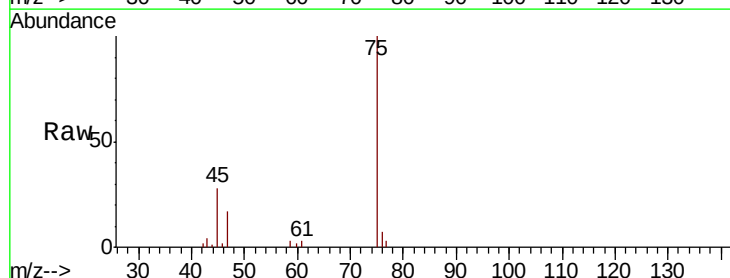
Tgt Ion: 42 Resp: 1089

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

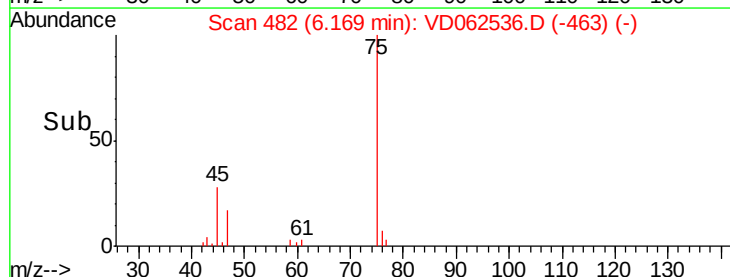
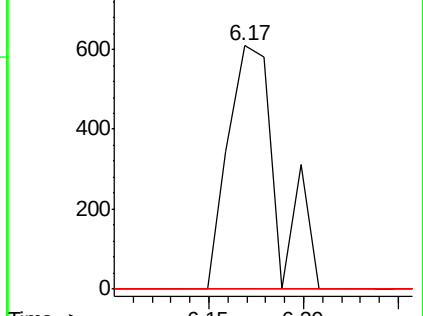
71 0.0 36.7 55.1#

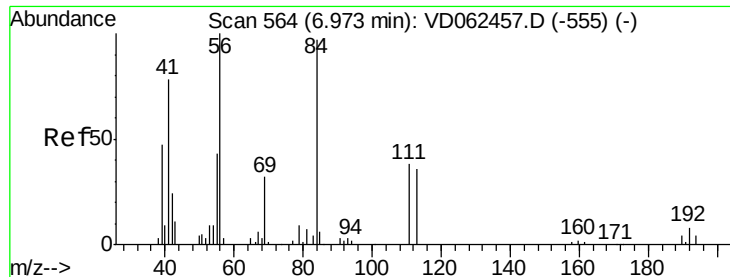


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

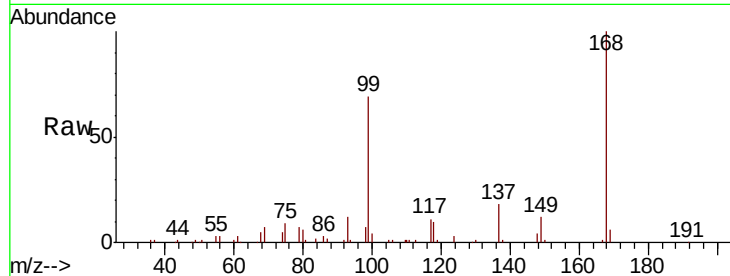




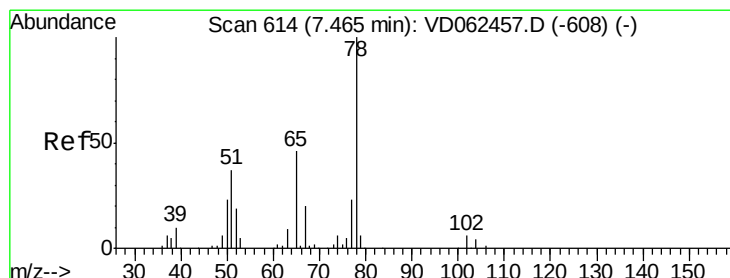
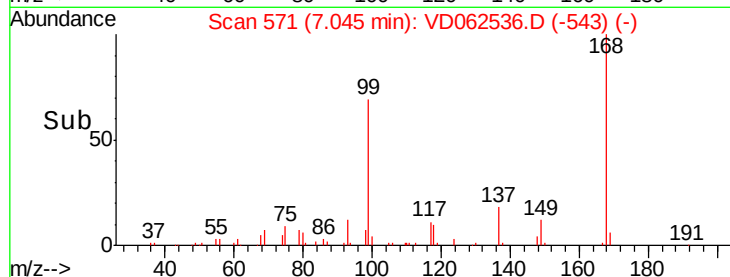
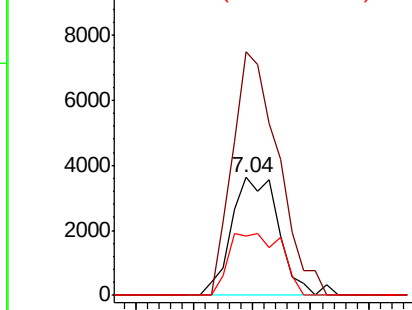
#31
Cyclohexane
Concen: 2.450 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.07 min
Lab File: VD062536.D
Acq: 28 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleID :
VD0528SBL01

Tot Ion: 56 Resp: 10275
Ion Ratio Lower Upper
56 100
69 206.4 25.8 38.6#
84 50.0 72.2 108.4#

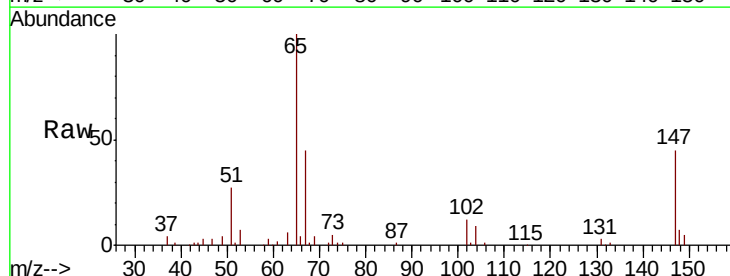


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

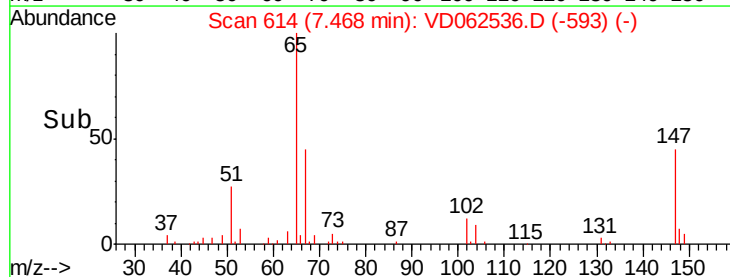
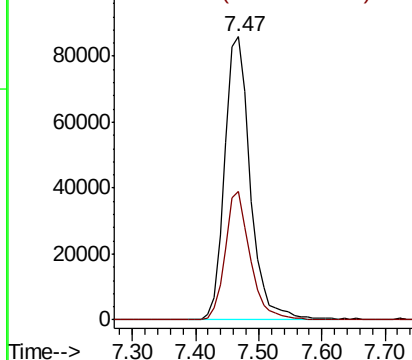


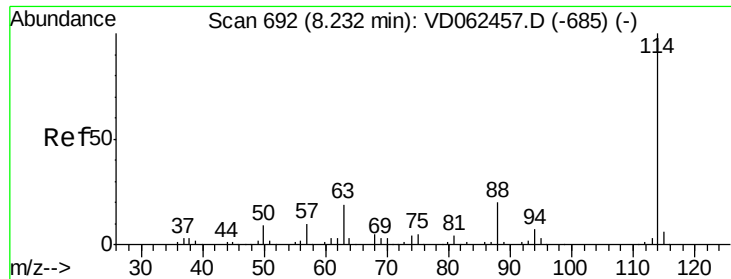
#33
1,2-Dichloroethane-d4
Concen: 54.318 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.00 min
Lab File: VD062536.D
Acq: 28 May 2019 13:54

Tgt Ion: 65 Resp: 241277
Ion Ratio Lower Upper
65 100
67 45.3 0.0 98.0



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

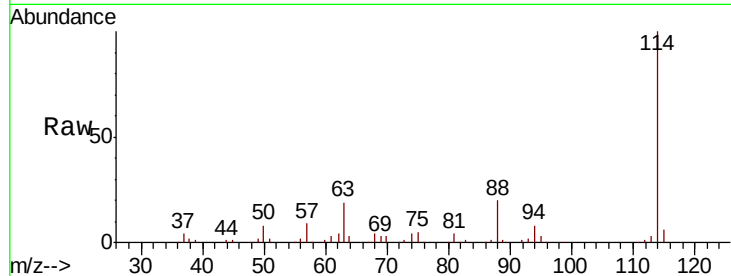




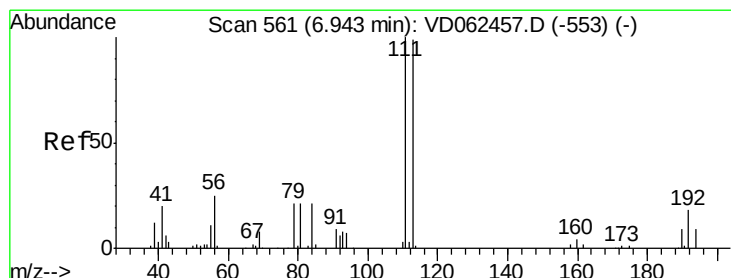
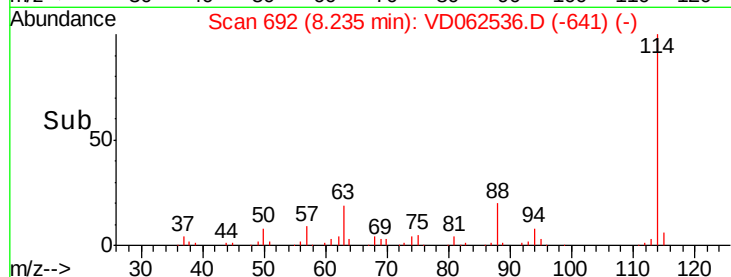
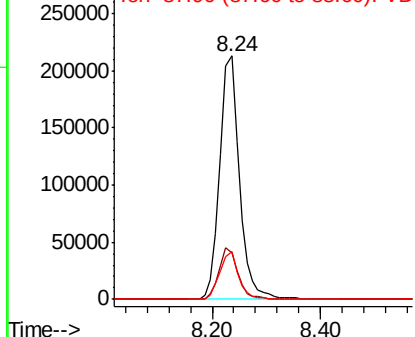
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD062536.D
 Acq: 28 May 2019 13:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBL01

Tot Ion:114 Resp: 538360
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 32.4
 88 19.6 0.0 33.6

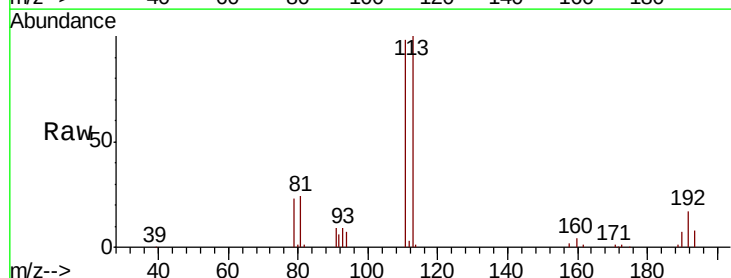


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

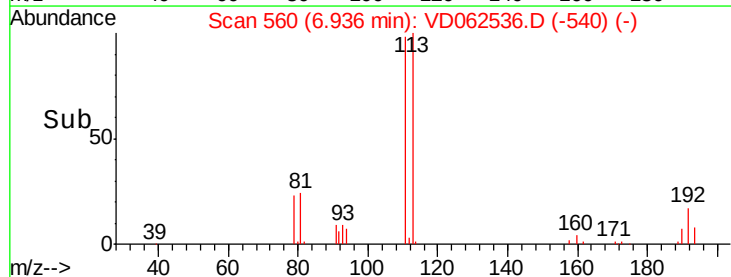
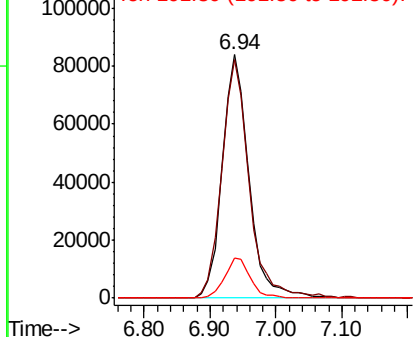


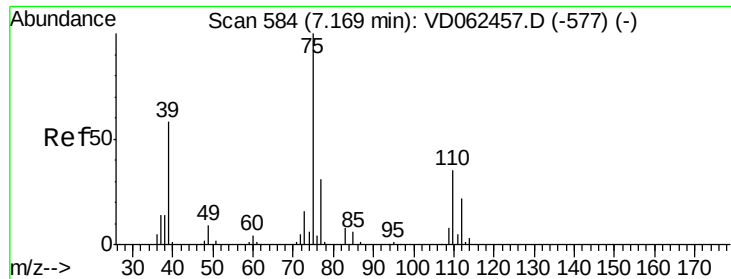
#35
 Dibromofluoromethane
 Concen: 49.018 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD062536.D
 Acq: 28 May 2019 13:54

Tgt Ion:113 Resp: 238066
 Ion Ratio Lower Upper
 113 100
 111 97.8 78.5 117.7
 192 16.7 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

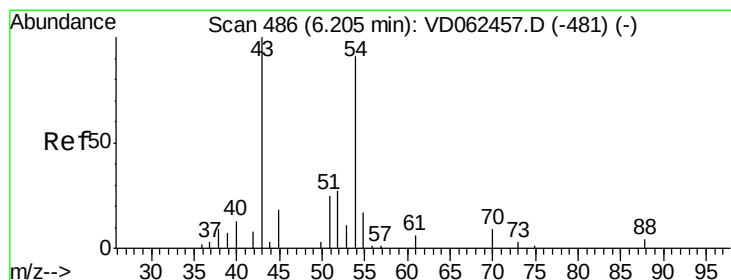
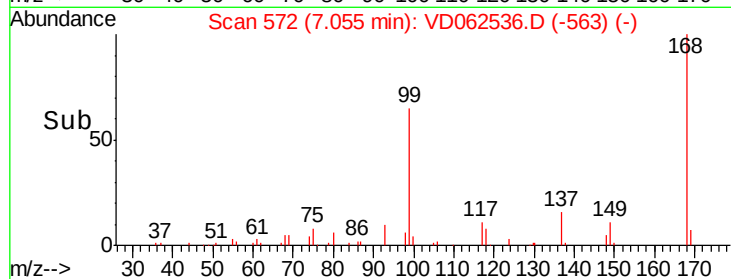
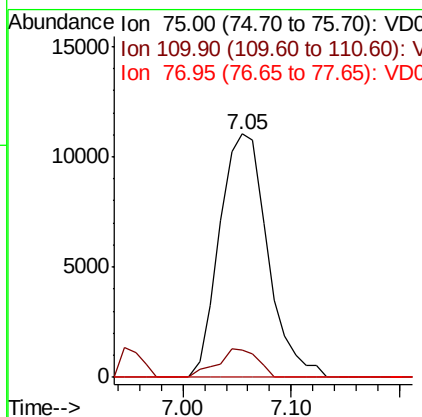
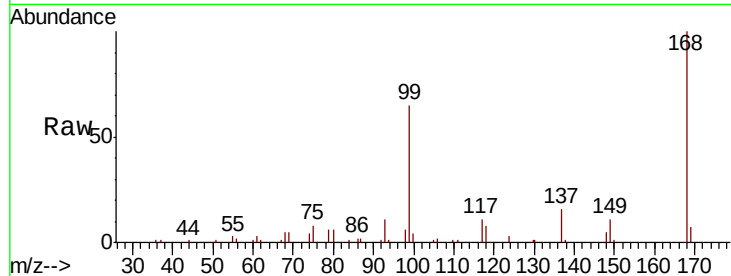




#36
 1,1-Dichloropropene
 Concen: 6.602 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD062536.D
 Acq: 28 May 2019 13:54

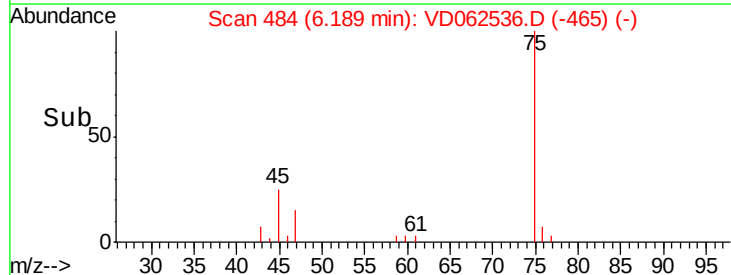
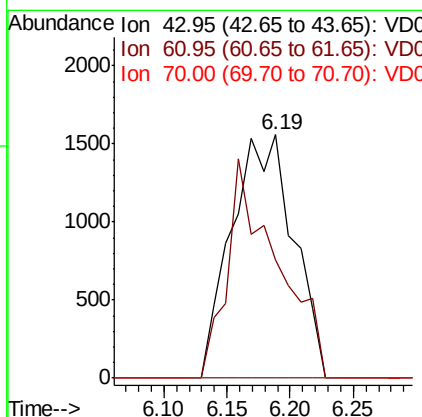
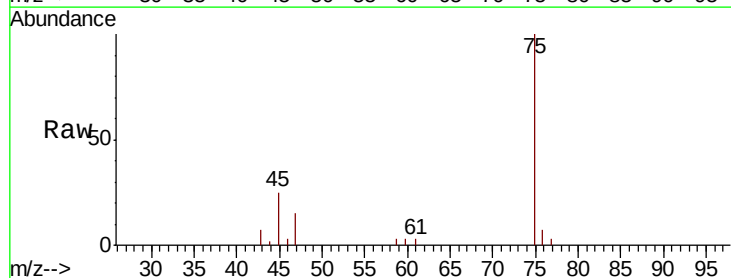
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBL01

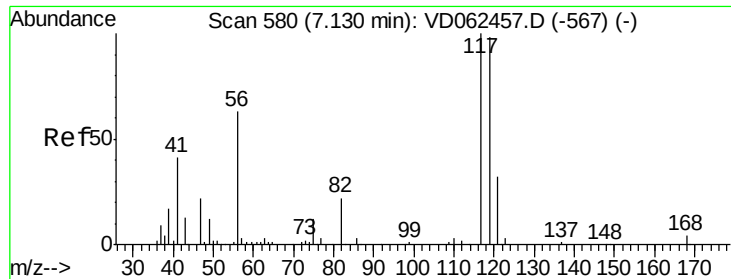
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.0	19.1	57.1#
77	0.0	25.6	38.4#



#37
 Ethyl Acetate
 Concen: 2.656 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: VD062536.D
 Acq: 28 May 2019 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	48.4	14.7	22.1#
70	0.0	7.8	11.6#





#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.07 min

Lab File: VD062536.D

Acq: 28 May 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

VD0528SBL01

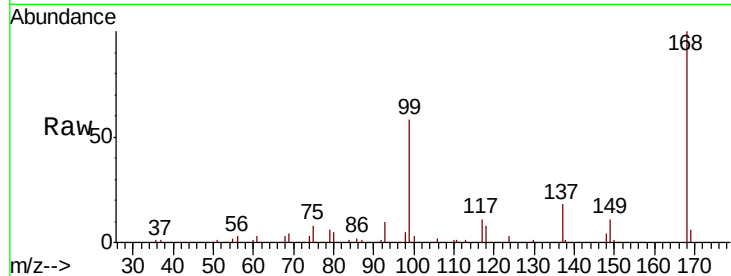
Tot Ion:117 Resp: 43909

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

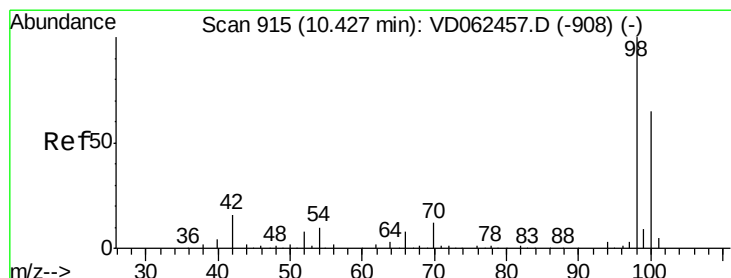
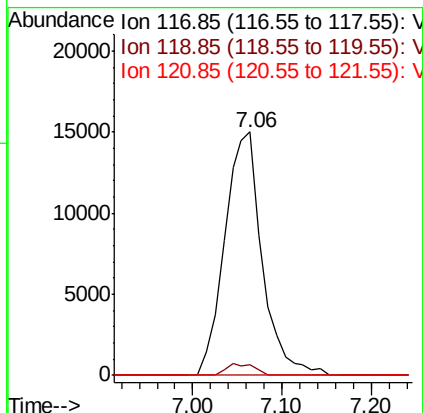
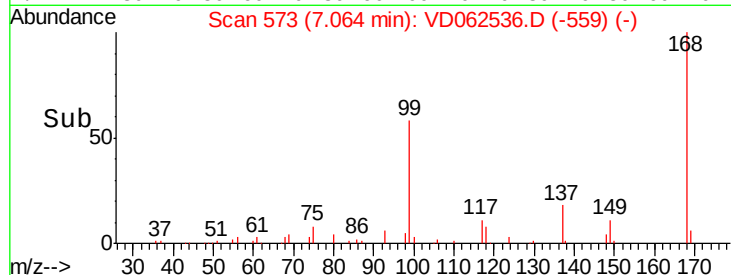
121 0.0 25.9 38.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 44.184 ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.01 min

Lab File: VD062536.D

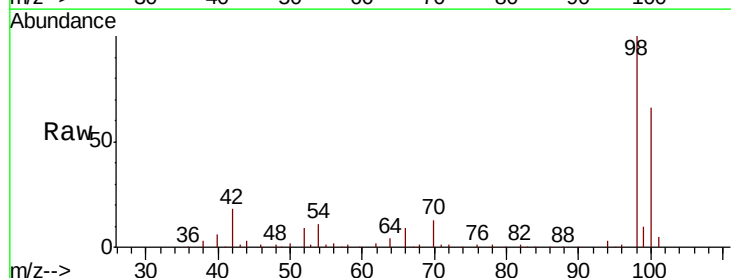
Acq: 28 May 2019 13:54

Tgt Ion: 98 Resp: 469602

Ion Ratio Lower Upper

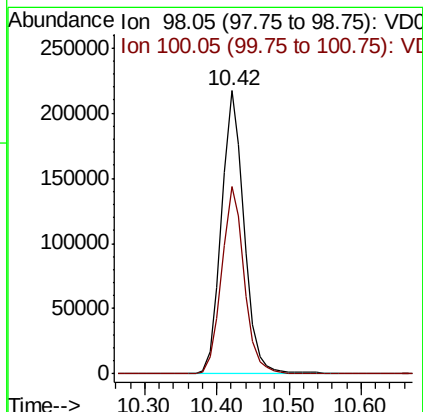
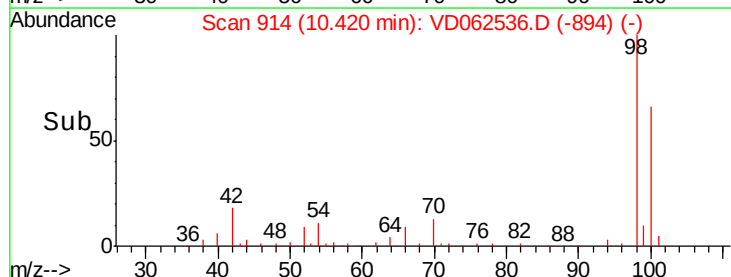
98 100

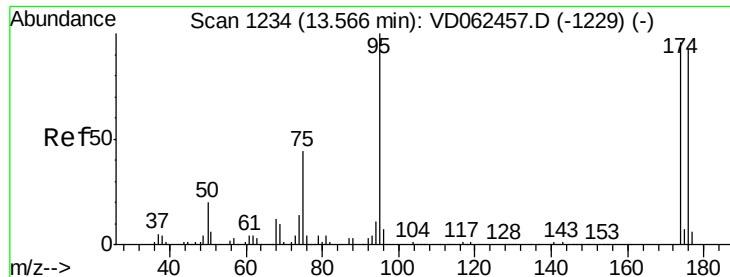
100 66.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

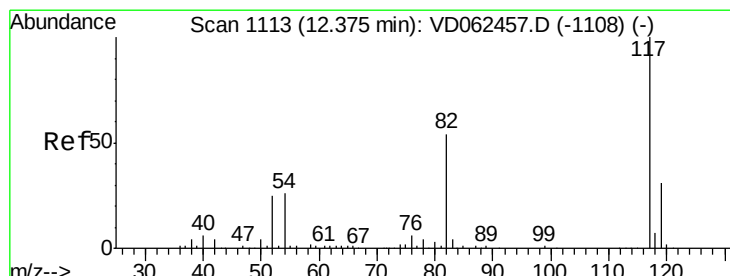
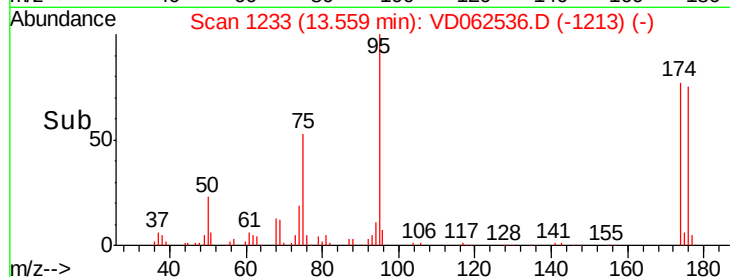
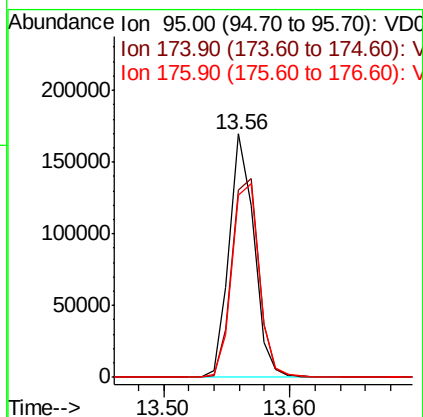
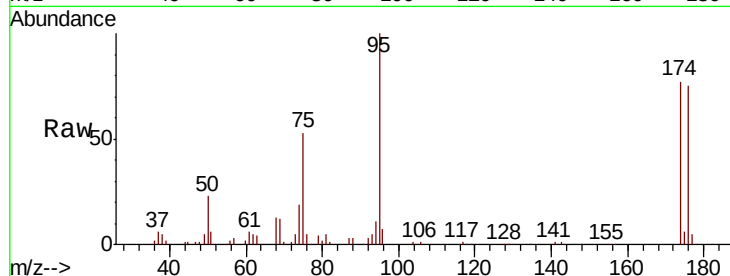




#62
4-Bromofluorobenzene
Concen: 49.541 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.01 min
Lab File: VD062536.D
Acq: 28 May 2019 13:54

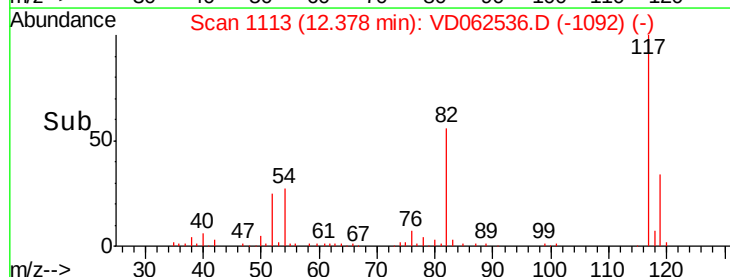
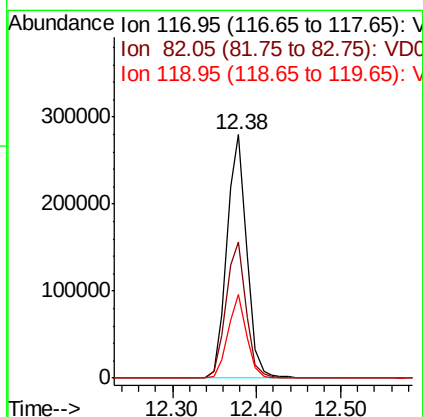
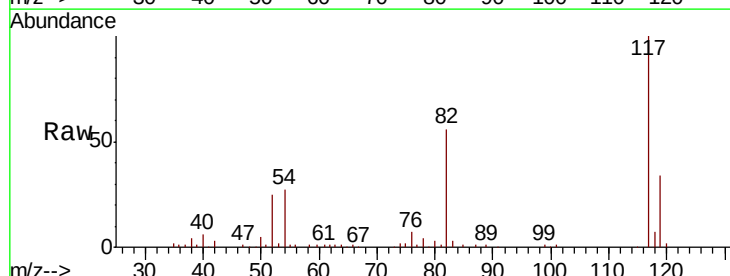
Instrument :
MSVOA_D
ClientSampleId :
VD0528SBL01

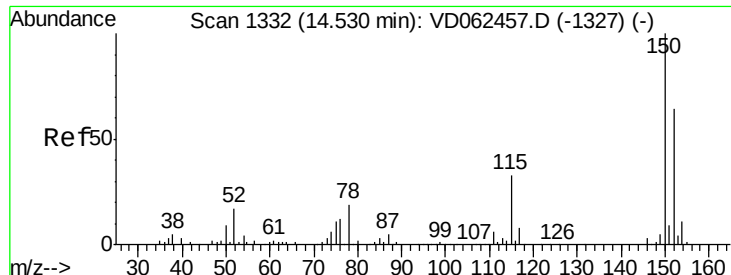
Tot Ion: 95 Resp: 230327
Ion Ratio Lower Upper
95 100
174 77.0 0.0 181.8
176 74.9 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062536.D
Acq: 28 May 2019 13:54

Tgt Ion: 117 Resp: 454400
Ion Ratio Lower Upper
117 100
82 55.8 36.2 54.2#
119 34.4 26.2 39.4



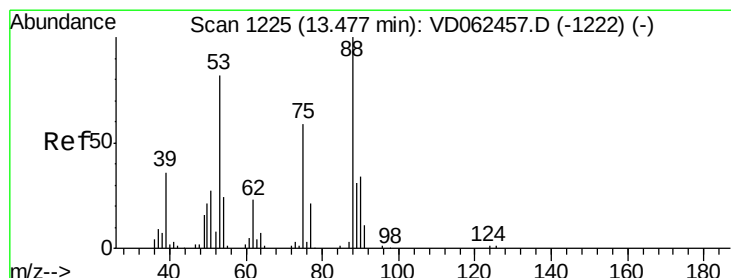
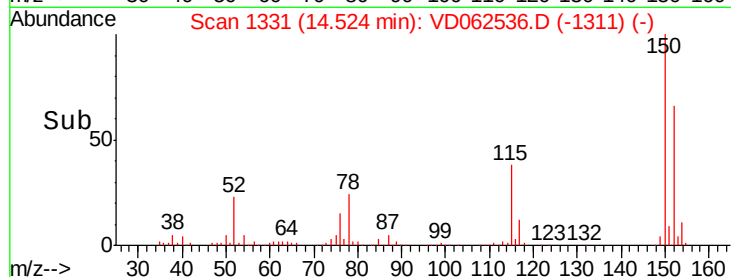
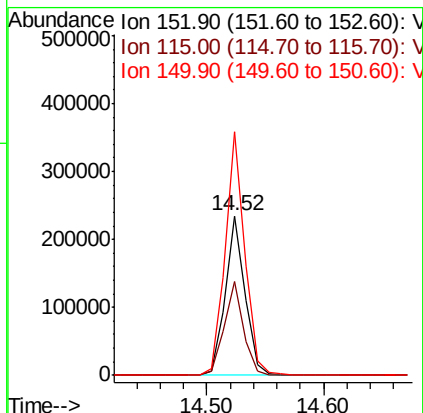
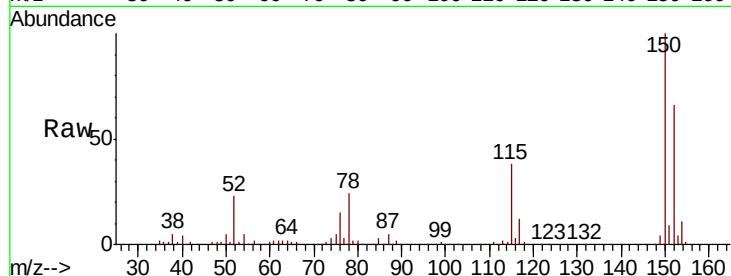


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062536.D
Acq: 28 May 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :
VD0528SBL01

Tot Ion:152 Resp: 274209
Ion Ratio Lower Upper
152 100
115 58.6 30.9 92.7
150 152.5 0.0 314.8



#81

trans-1,4-Dichloro-2-butene
Concen: 131.721 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.08 min
Lab File: VD062536.D
Acq: 28 May 2019 13:54

Tgt Ion: 75 Resp: 119986
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

