

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063301.D
 Acq On : 1 Aug 2019 19:13
 Operator : VA/AP
 Sample : K4120-11
 Misc : 4.41g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SW-1

Quant Time: Aug 02 07:26:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	1025943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1436476	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1005621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	378756	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	382159	33.57	ug/l	0.00
Spiked Amount			Recovery	=	67.14%	
35) Dibromofluoromethane	6.91	113	469309	38.27	ug/l	0.00
Spiked Amount			Recovery	=	76.54%	
50) Toluene-d8	10.40	98	984005	35.85	ug/l	0.00
Spiked Amount			Recovery	=	71.70%	
62) 4-Bromofluorobenzene	13.55	95	331815	26.53	ug/l	0.00
Spiked Amount			Recovery	=	53.06%	

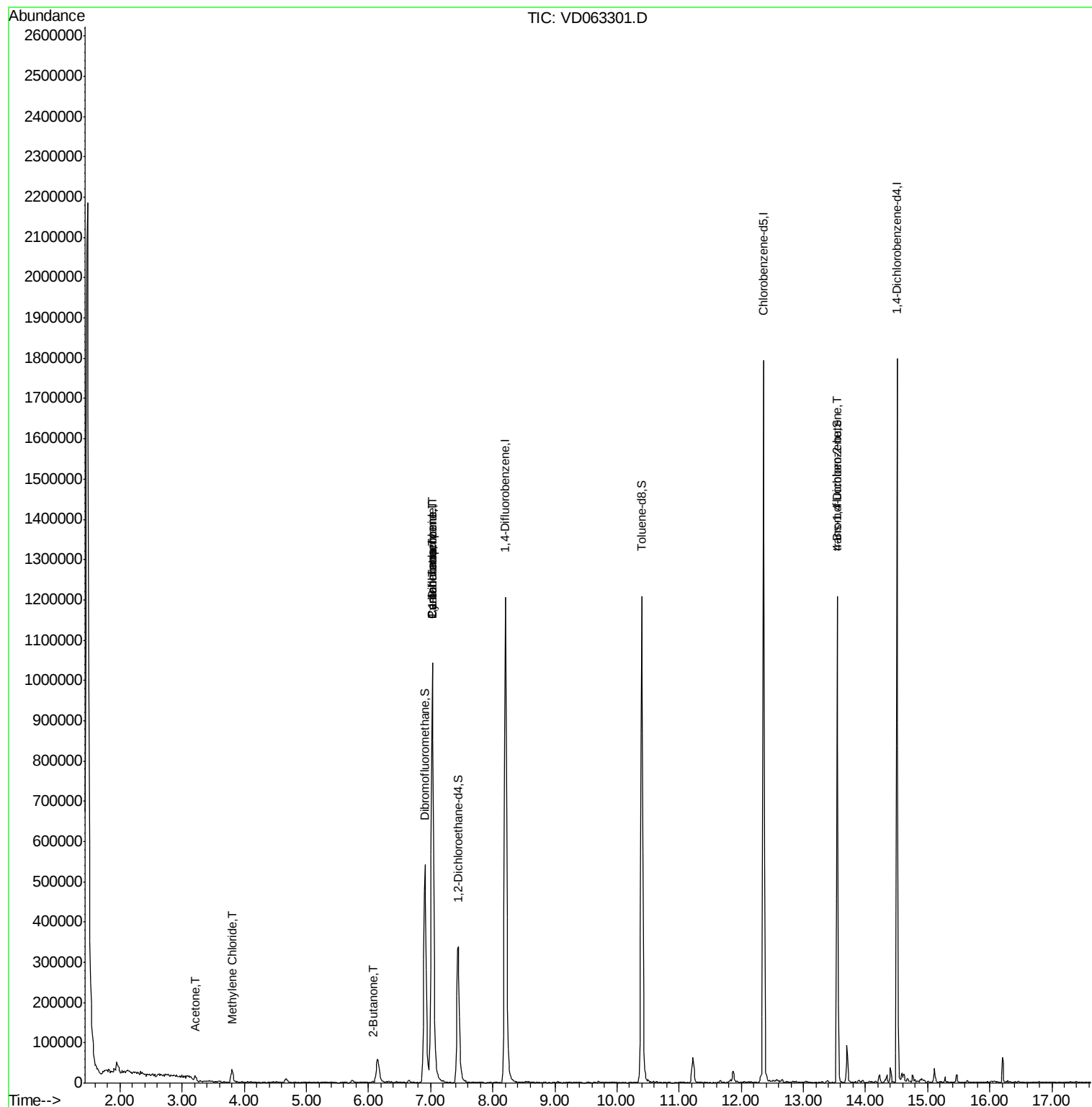
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	24726	11.148	ug/l #	91
20) Methylene Chloride	3.81	84	17311	1.931	ug/l #	87
25) 2-Butanone	6.07	43	2440	1.096	ug/l #	56
31) Cyclohexane	7.03	56	21142	2.085	ug/l #	27
36) 1,1-Dichloropropene	7.03	75	76677	5.849	ug/l #	53
38) Carbon Tetrachloride	7.03	117	95264	4.827	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	151376	119.830	ug/l #	3

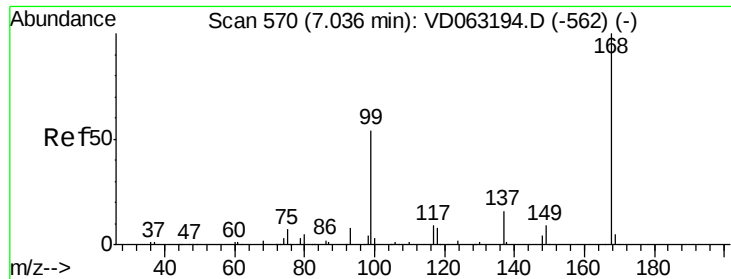
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063301.D

Acq: 1 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

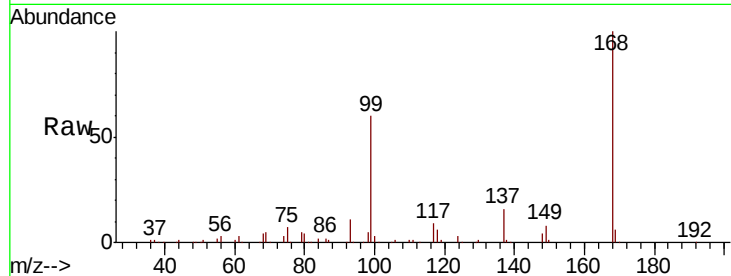
SW-1

Tot Ion:168 Resp: 1025943

Ion Ratio Lower Upper

168 100

99 59.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

400000

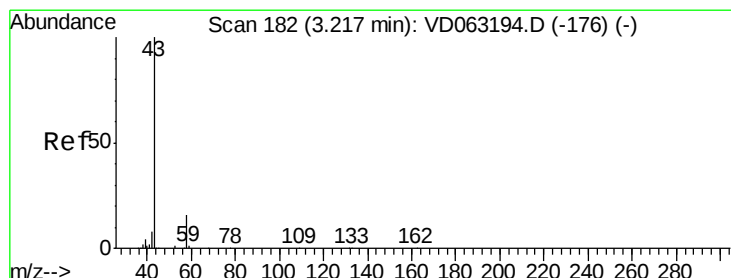
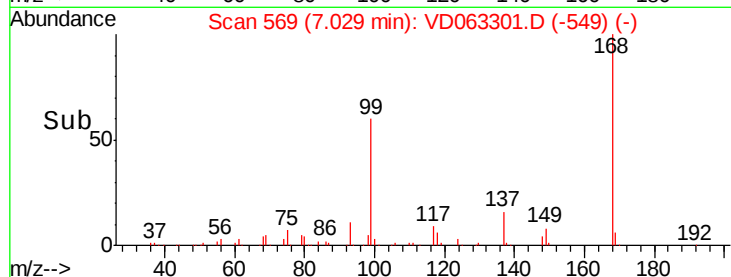
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 11.148 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063301.D

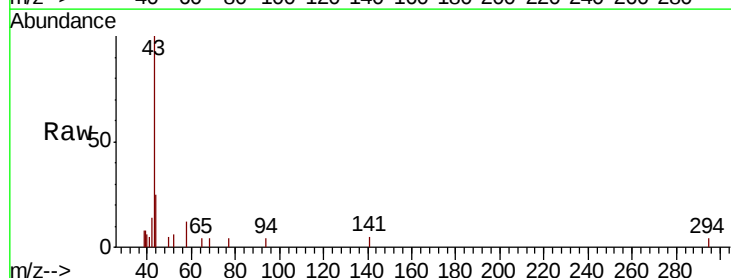
Acq: 1 Aug 2019 19:13

Tgt Ion: 43 Resp: 24726

Ion Ratio Lower Upper

43 100

58 12.3 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

8000

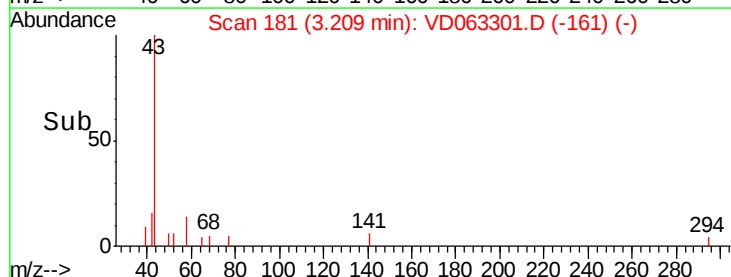
6000

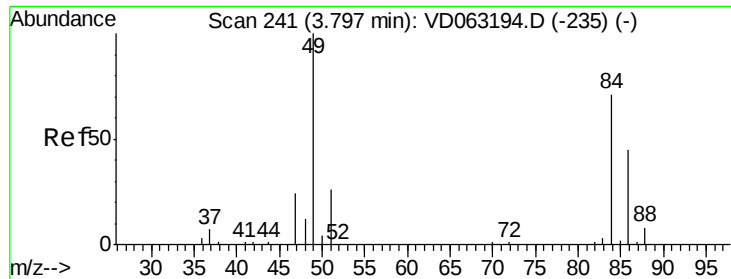
4000

2000

0

Time-->

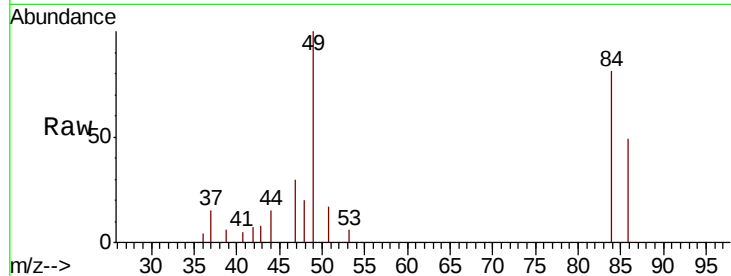




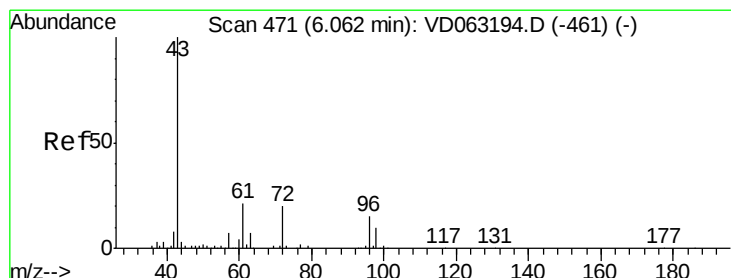
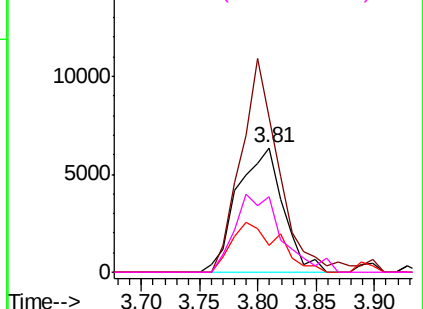
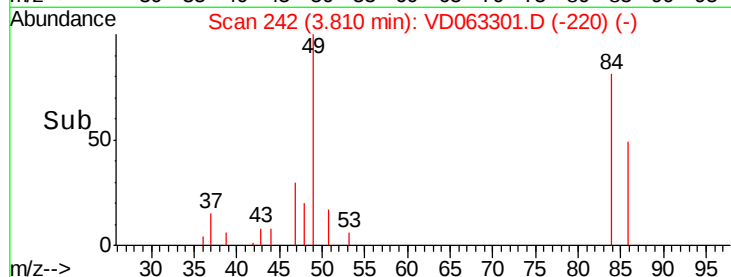
#20
Methvlene Chloride
Concen: 1.931 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063301.D
Acq: 1 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampleId :
SW-1

Tot Ion: 84 Resp: 17311
Ion Ratio Lower Upper
84 100
49 123.7 112.5 168.7
51 21.3 29.6 44.4#
86 60.4 50.4 75.6

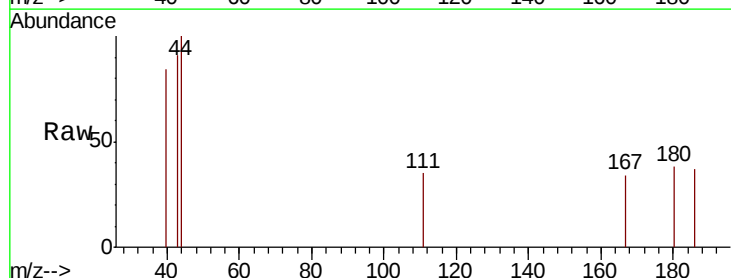


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

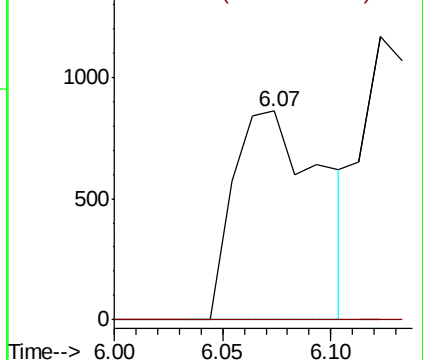
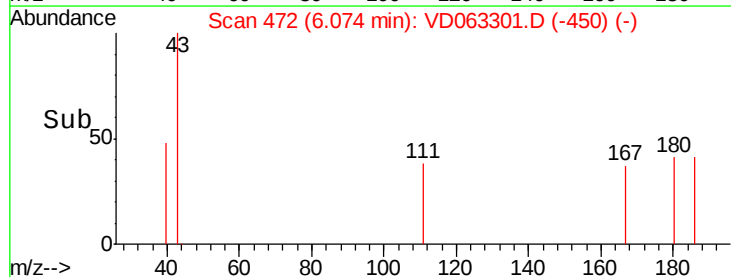


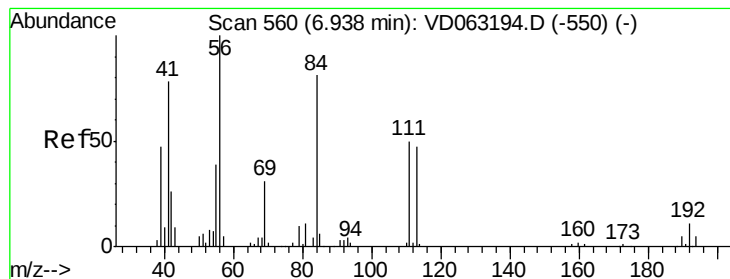
#25
2-Butanone
Concen: 1.096 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD063301.D
Acq: 1 Aug 2019 19:13

Tgt Ion: 43 Resp: 2440
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 2.085 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD063301.D

Acq: 1 Aug 2019 19:13

Instrument :

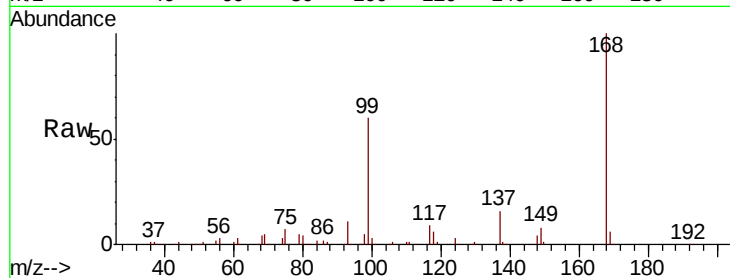
MSVOA_D

ClientSampleID :

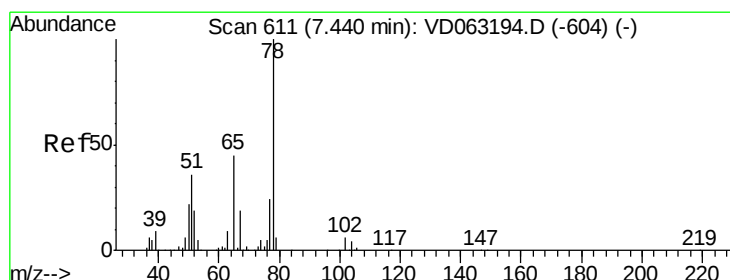
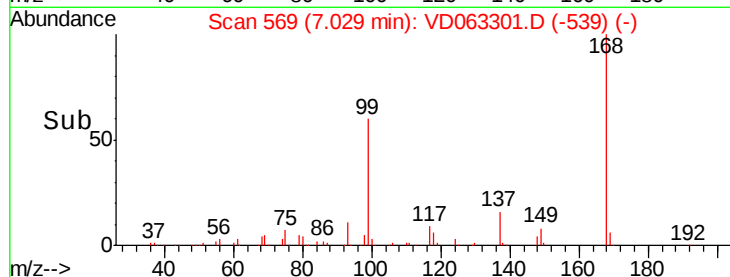
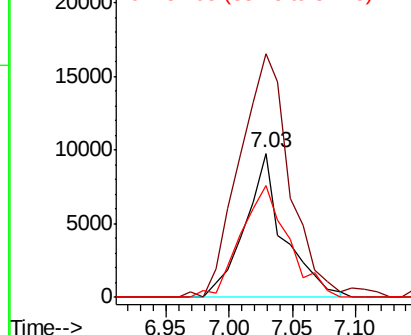
SW-1

Tot Ion: 56 Resp: 21142

Ion	Ratio	Lower	Upper
56	100		
69	168.9	24.5	36.7#
84	77.2	64.9	97.3



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: 33.570 ug/l

RT: 7.43 min Scan# 610

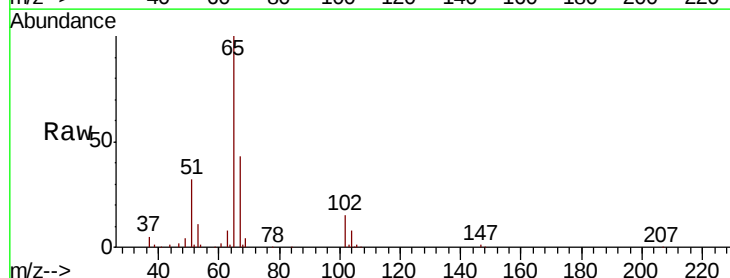
Delta R.T. -0.01 min

Lab File: VD063301.D

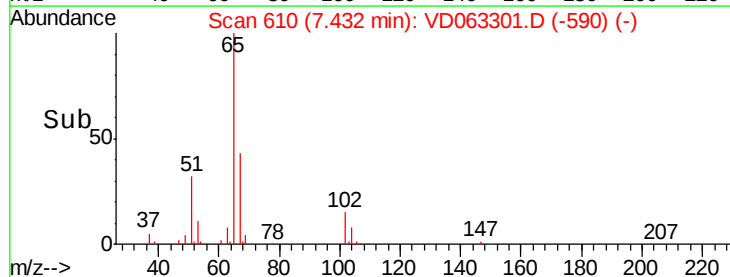
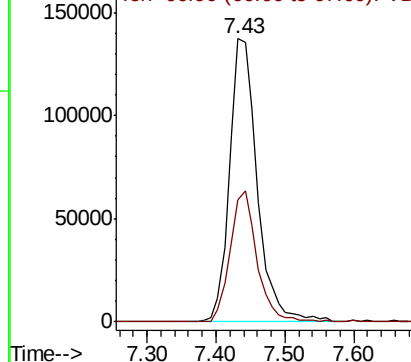
Acq: 1 Aug 2019 19:13

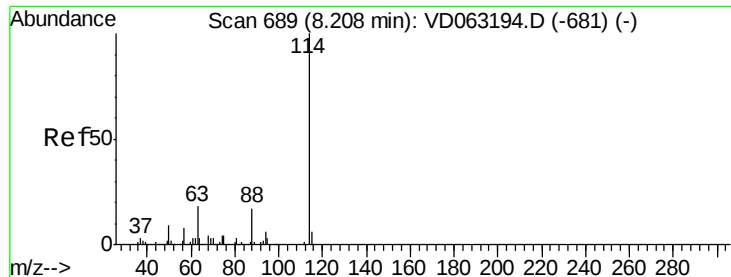
Tgt Ion: 65 Resp: 382159

Ion	Ratio	Lower	Upper
65	100		
67	43.2	0.0	85.8



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: 8.20 min Scan# 688

Delta R.T. -0.01 min

Lab File: VD063301.D

Acq: 1 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

SW-1

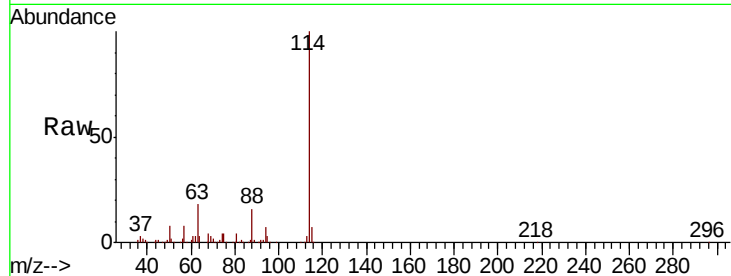
Tot Ion:114 Resp: 1436476

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.2

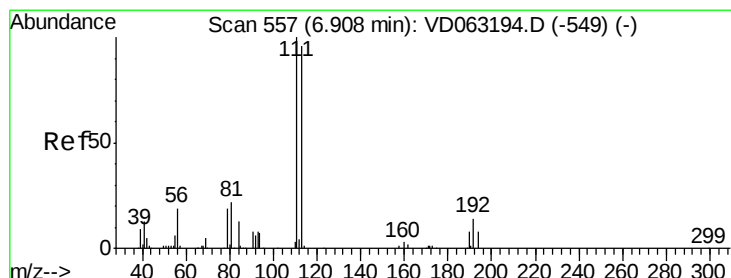
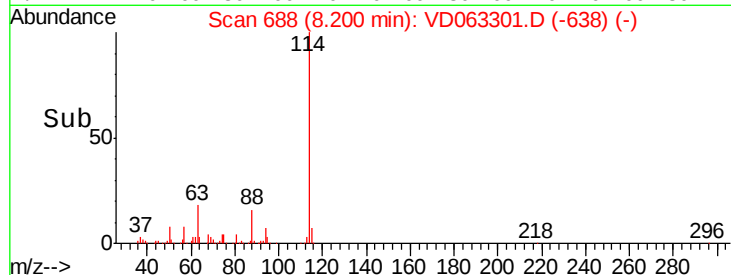
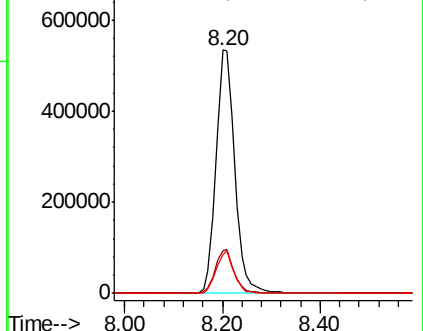
88 15.9 0.0 34.6



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: 38.266 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD063301.D

Acq: 1 Aug 2019 19:13

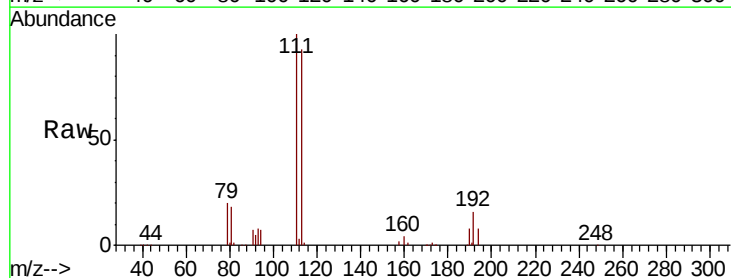
Tgt Ion:113 Resp: 469309

Ion Ratio Lower Upper

113 100

111 107.3 83.2 124.8

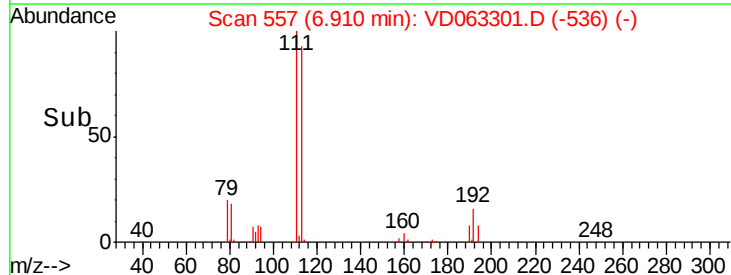
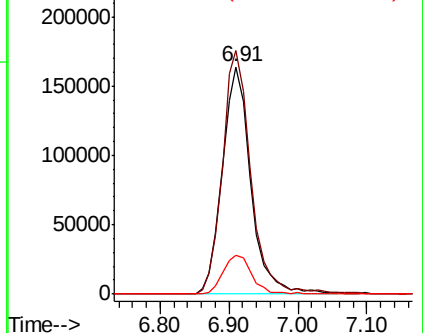
192 17.3 11.8 17.8

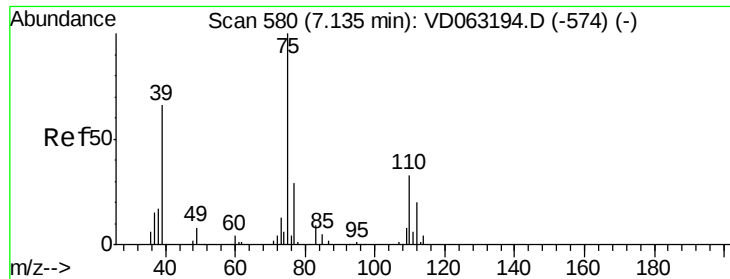


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

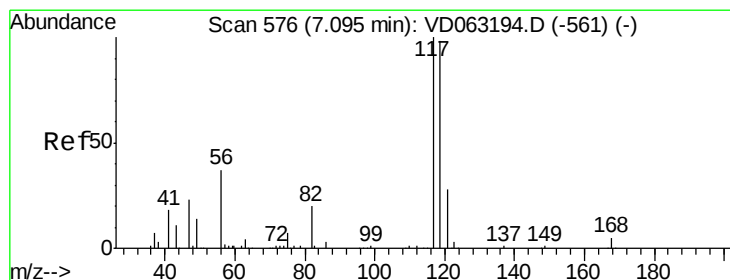
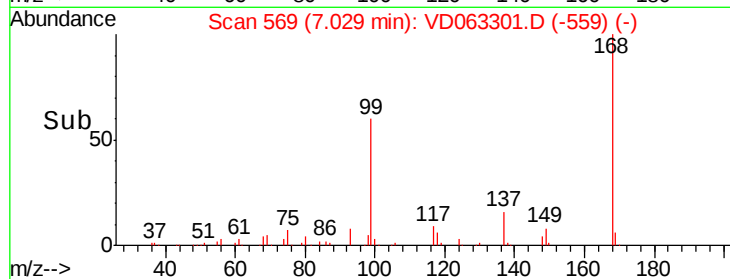
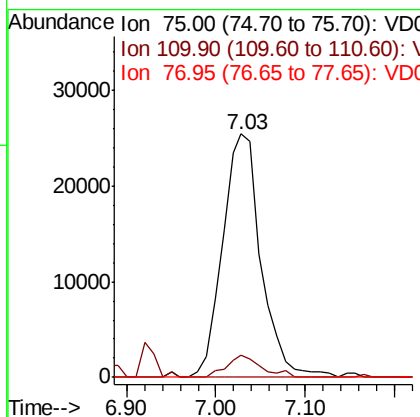
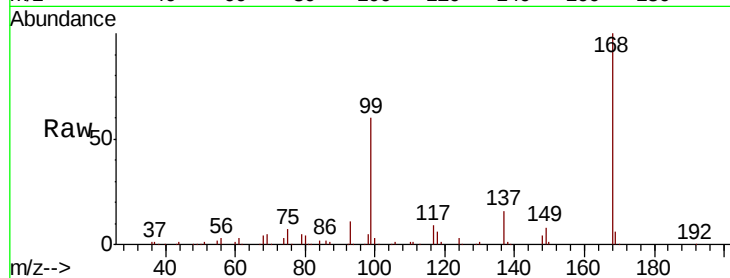




#36
 1,1-Dichloropropene
 Concen: 5.849 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD063301.D
 Acq: 1 Aug 2019 19:13

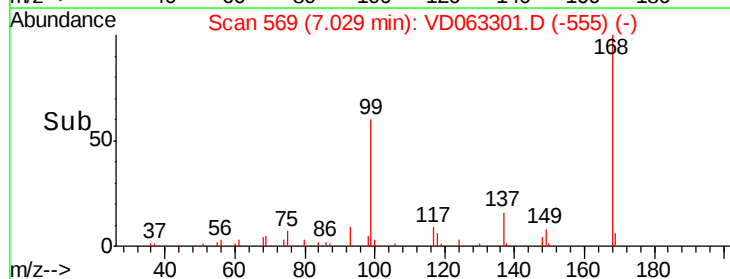
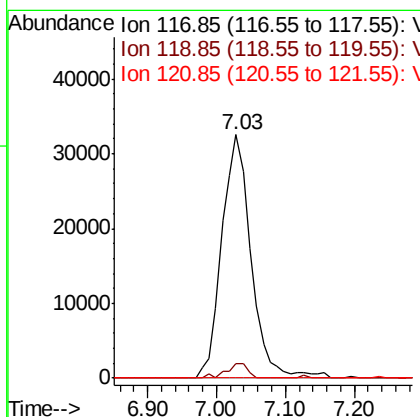
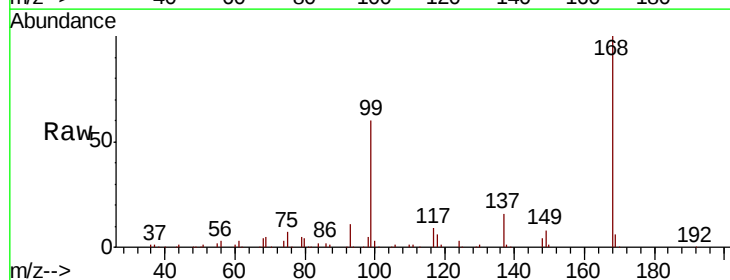
Instrument :
 MSVOA_D
 ClientSampleId :
 SW-1

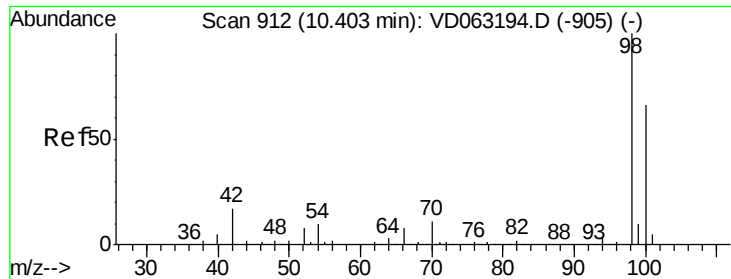
Tot Ion: 75 Resp: 76677
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.1 48.2#
 77 0.0 22.7 34.1#



#38
 Carbon Tetrachloride
 Concen: 4.827 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.07 min
 Lab File: VD063301.D
 Acq: 1 Aug 2019 19:13

Tgt Ion: 117 Resp: 95264
 Ion Ratio Lower Upper
 117 100
 119 5.7 78.2 117.2#
 121 0.0 22.1 33.1#

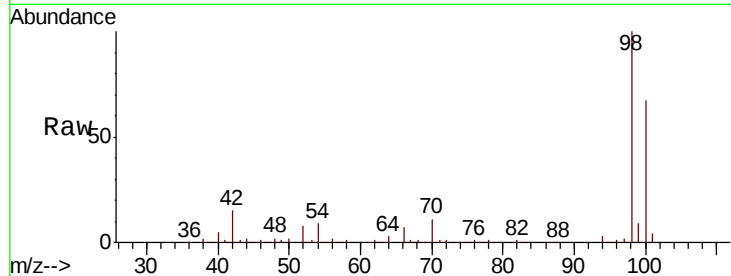




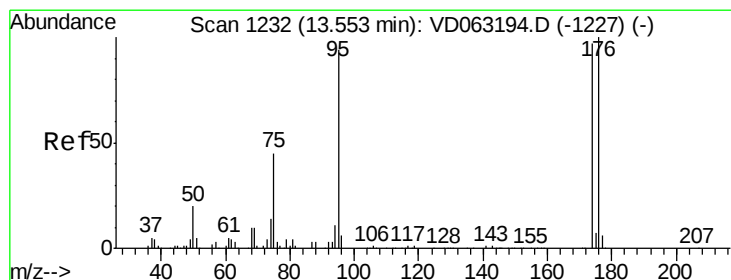
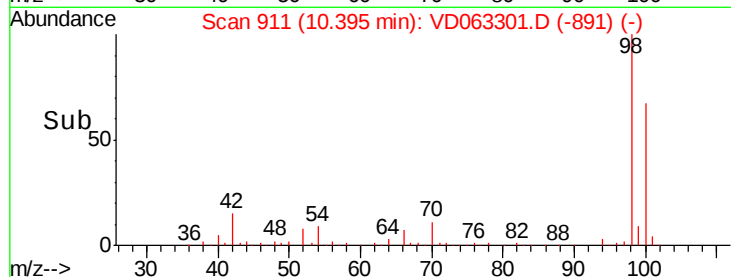
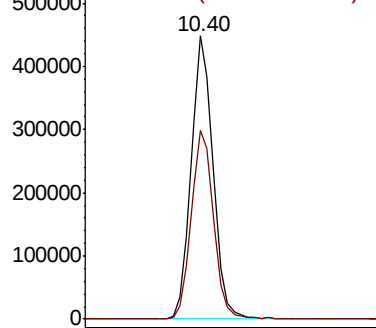
#50
Toluene-d8
Concen: 35.850 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD063301.D
Acq: 1 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampled :
SW-1

Tot Ion: 98 Resp: 984005
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8

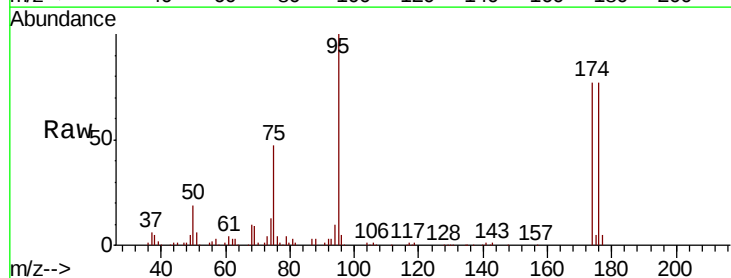


Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

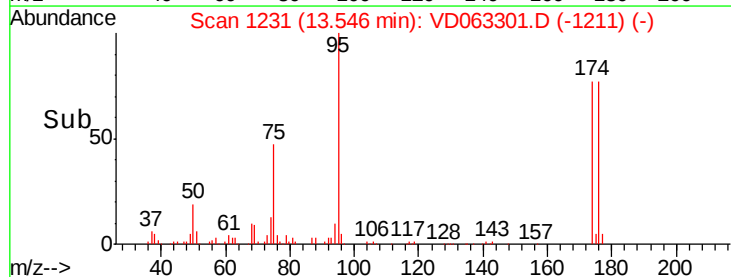
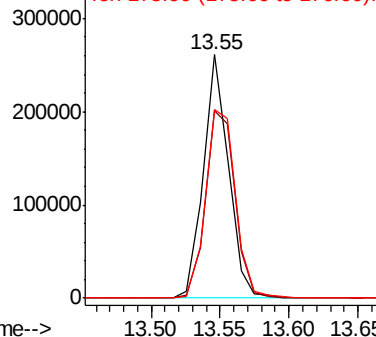


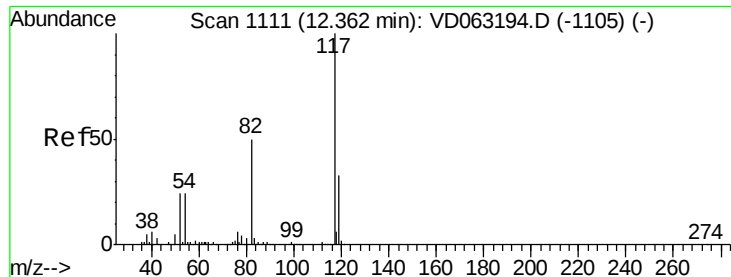
#62
4-Bromofluorobenzene
Concen: 26.529 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD063301.D
Acq: 1 Aug 2019 19:13

Tgt Ion: 95 Resp: 331815
Ion Ratio Lower Upper
95 100
174 76.9 0.0 205.4
176 77.4 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)

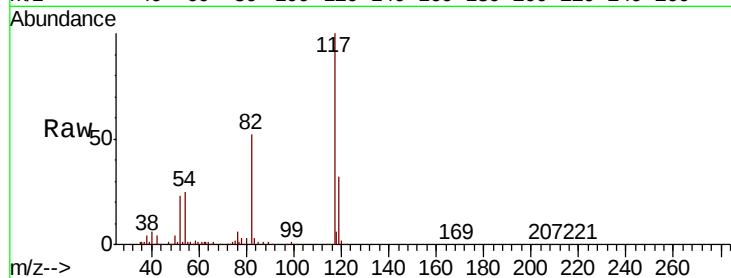




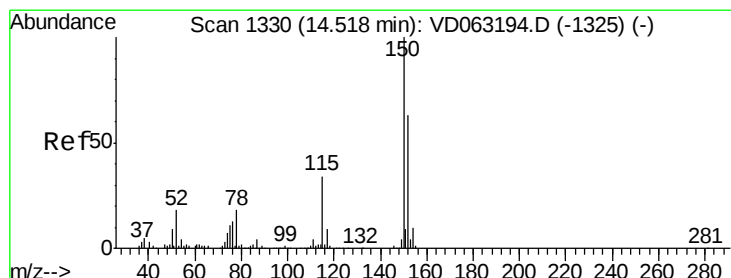
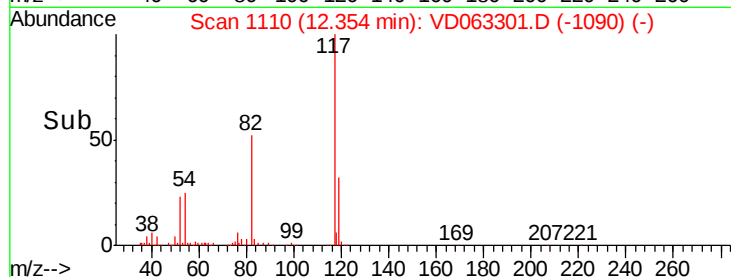
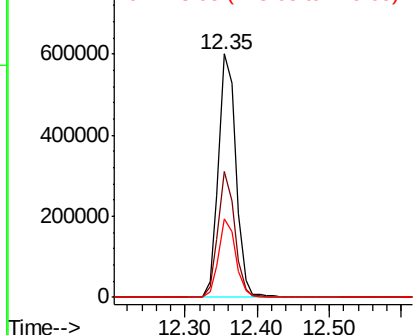
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD063301.D
Acq: 1 Aug 2019 19:13

Instrument :
MSVOA_D
ClientSampled :
SW-1

Tot Ion:117 Resp: 1005621
Ion Ratio Lower Upper
117 100
82 51.6 40.1 60.1
119 32.3 26.5 39.7

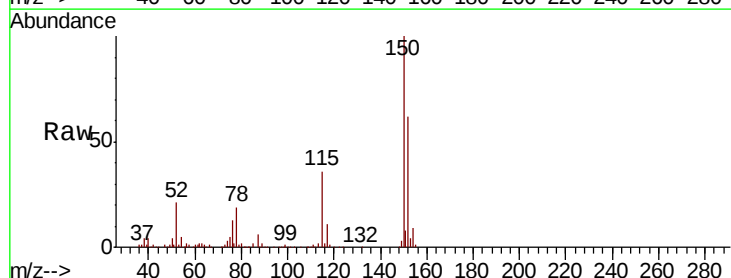


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

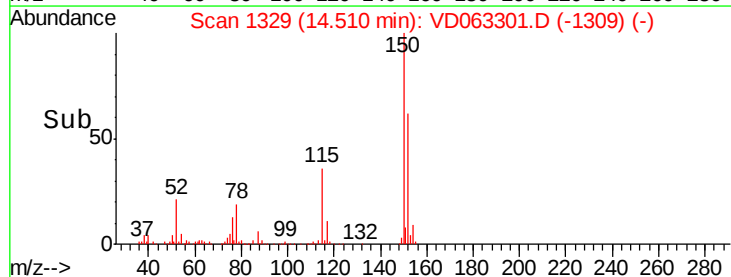
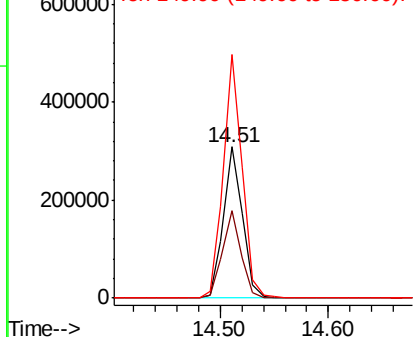


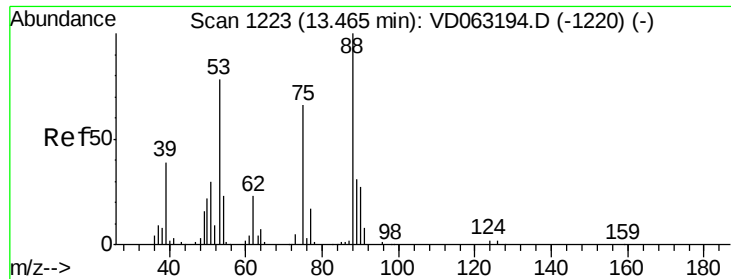
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063301.D
Acq: 1 Aug 2019 19:13

Tgt Ion:152 Resp: 378756
Ion Ratio Lower Upper
152 100
115 57.7 27.5 82.4
150 160.8 0.0 320.6



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: 119.830 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063301.D

Acq: 1 Aug 2019 19:13

Instrument :

MSVOA_D

ClientSampleId :

SW-1

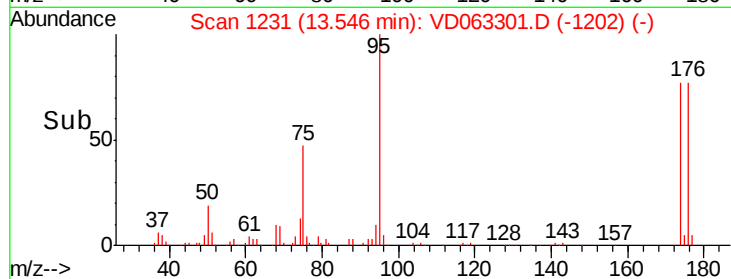
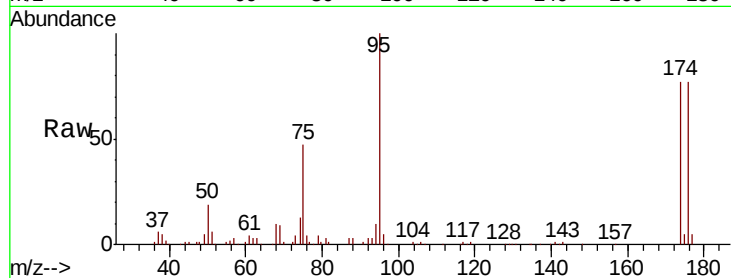
Tot Ion: 75 Resp: 151376

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

