

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073119\
 Data File : VD063273.D
 Acq On : 31 Jul 2019 12:37
 Operator : VA/AP
 Sample : K4066-01
 Misc : 3.69g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-A

Quant Time: Aug 01 04:01:49 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	952093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1352718	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1095118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	552002	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	475900	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	
35) Dibromofluoromethane	6.91	113	532145	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	10.40	98	1150486	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
62) 4-Bromofluorobenzene	13.55	95	494966	42.02	ug/l	0.00
Spiked Amount			Recovery	=	84.04%	

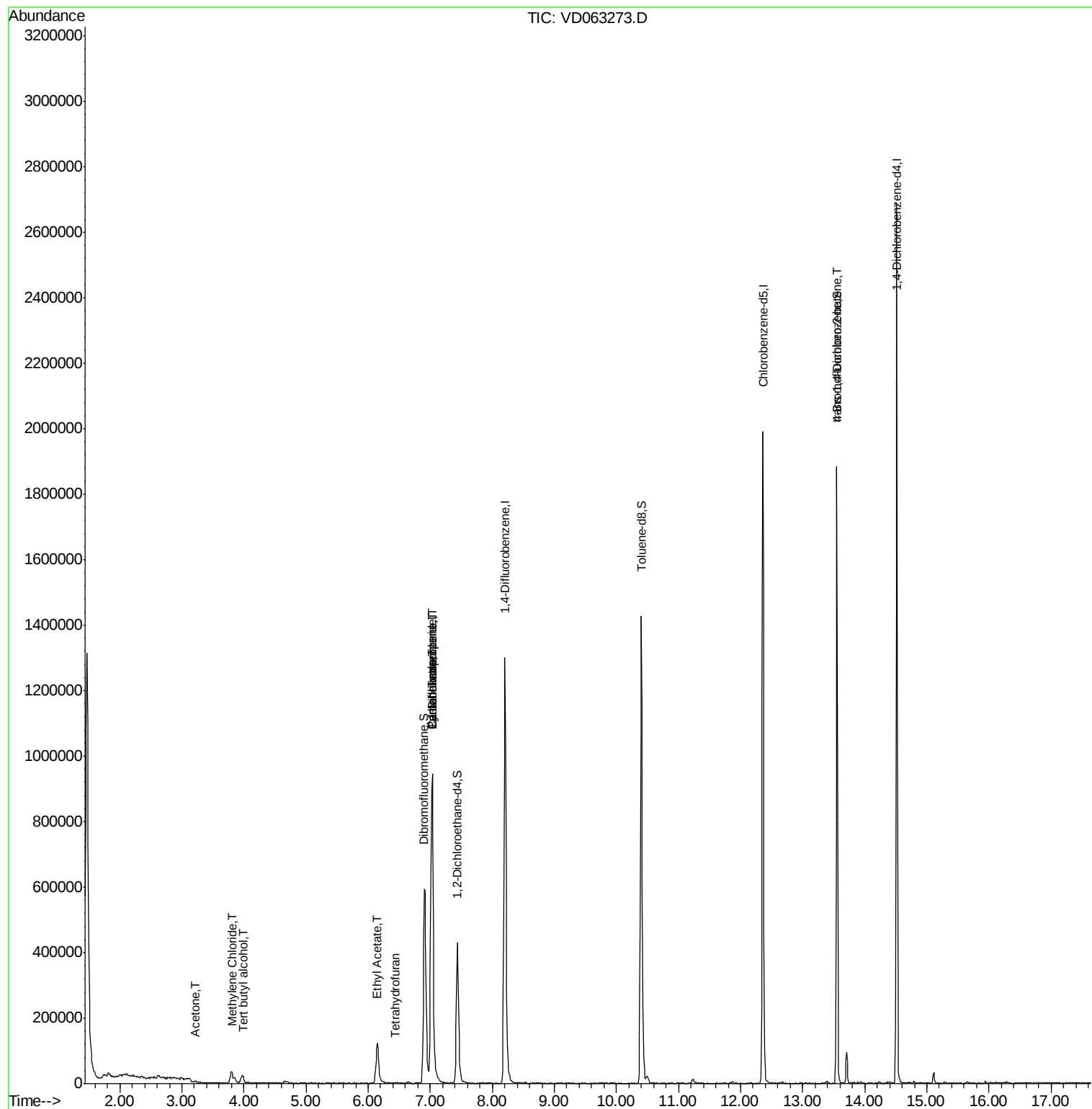
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	20659	44.561	ug/l #	69
16) Acetone	3.21	43	7208	3.502	ug/l #	76
20) Methylene Chloride	3.80	84	21419	2.574	ug/l	94
29) Tetrahydrofuran	6.43	42	1794	1.834	ug/l #	89
31) Cyclohexane	7.02	56	19708	2.094	ug/l #	13
36) 1,1-Dichloropropene	7.03	75	69191	5.605	ug/l #	51
37) Ethyl Acetate	6.15	43	10646	1.919	ug/l #	10
38) Carbon Tetrachloride	7.03	117	89677	4.825	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.55	75	214117	116.299	ug/l #	3

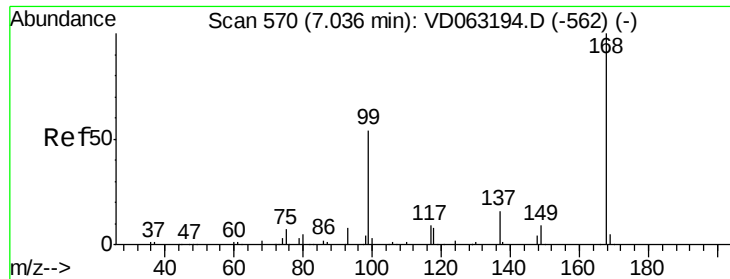
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 04:01:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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. -0.00 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

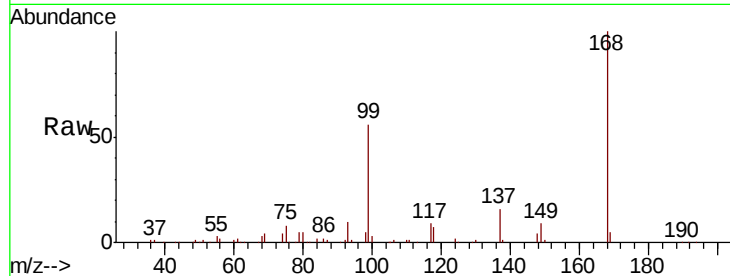
TP-1-A

Tot Ion:168 Resp: 952093

Ion Ratio Lower Upper

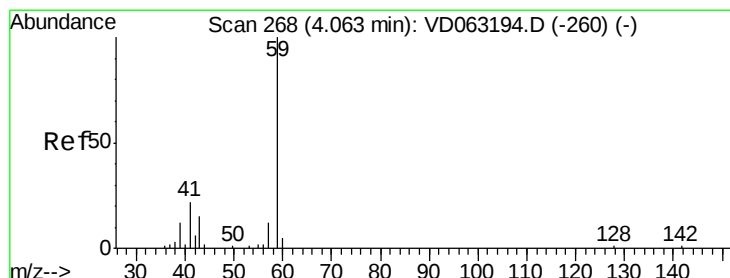
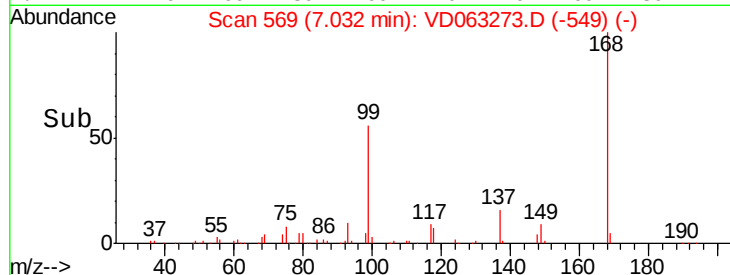
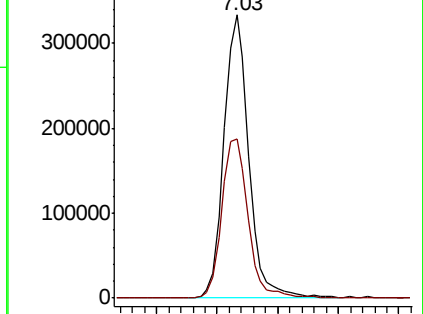
168 100

99 56.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 44.561 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.07 min

Lab File: VD063273.D

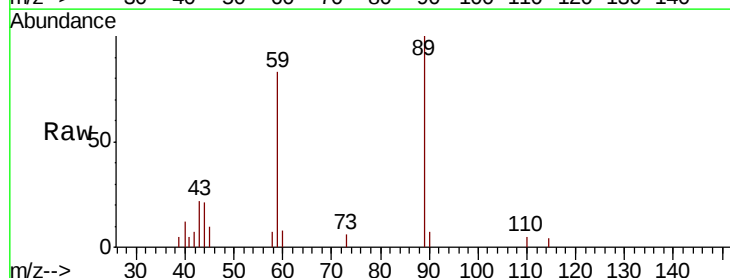
Acq: 31 Jul 2019 12:37

Tgt Ion: 59 Resp: 20659

Ion Ratio Lower Upper

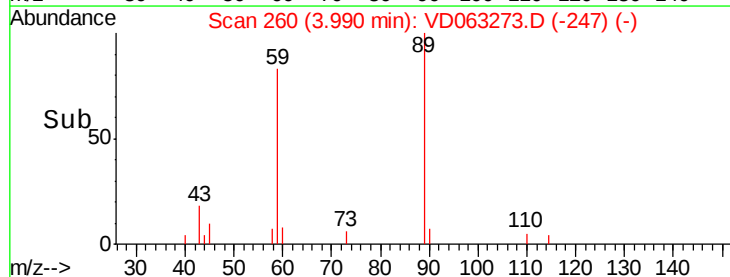
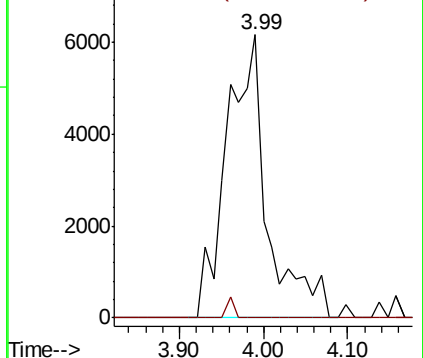
59 100

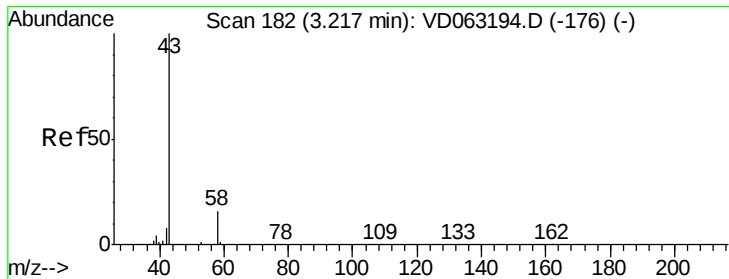
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 3.502 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.00 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

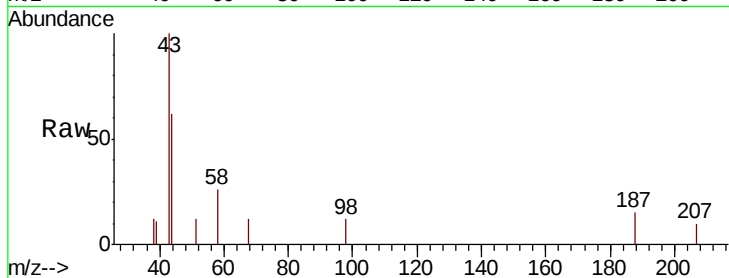
TP-1-A

Tot Ion: 43 Resp: 7208

Ion Ratio Lower Upper

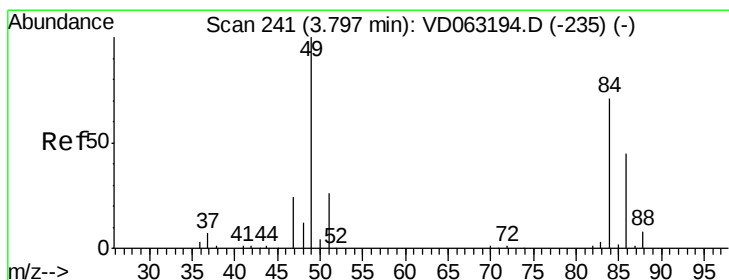
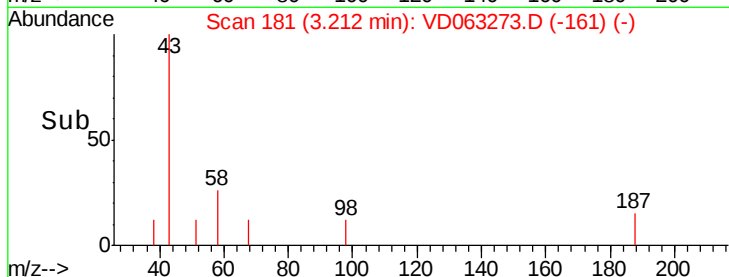
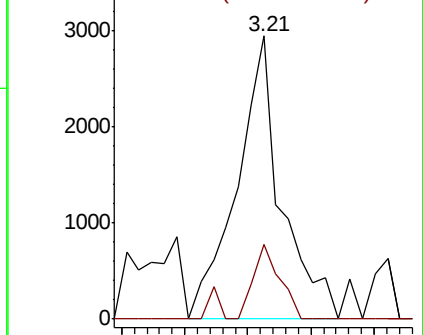
43 100

58 26.5 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: 2.574 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

Tgt Ion: 84 Resp: 21419

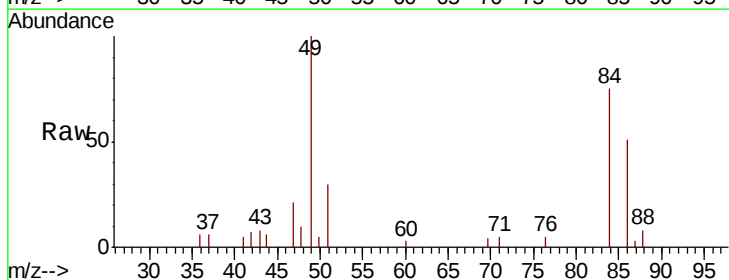
Ion Ratio Lower Upper

84 100

49 133.4 112.5 168.7

51 39.7 29.6 44.4

86 68.2 50.4 75.6

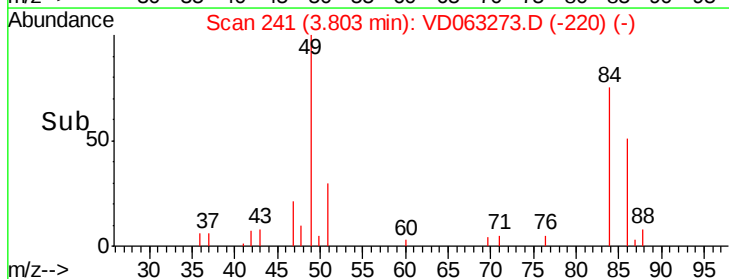
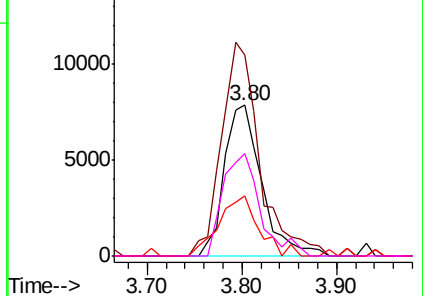


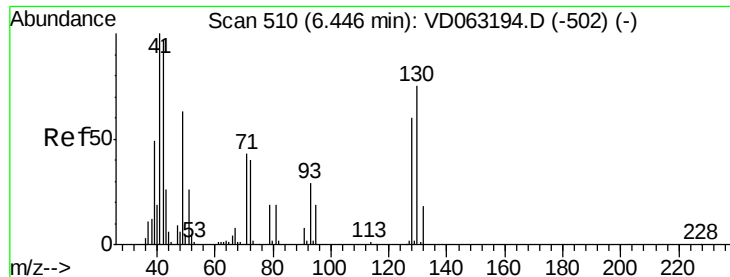
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.834 ug/l

RT: 6.43 min Scan# 508

Delta R.T. -0.01 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

TP-1-A

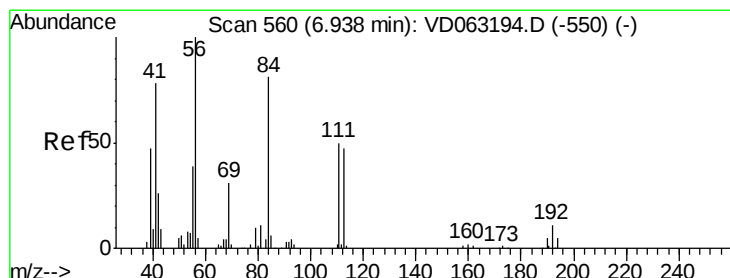
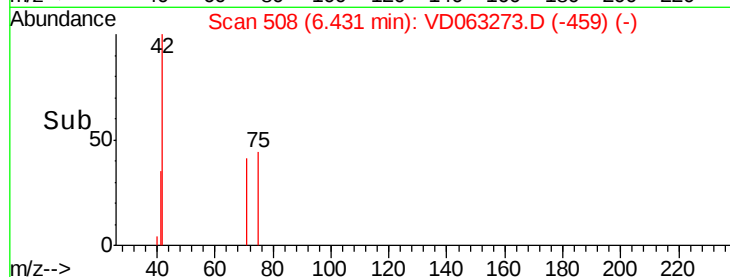
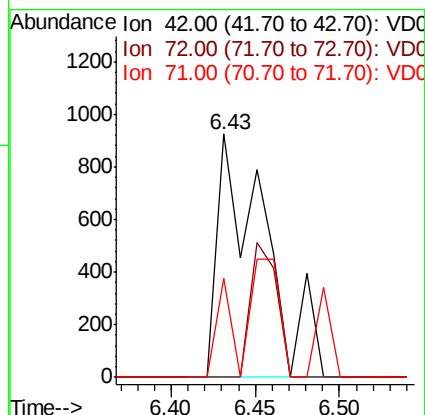
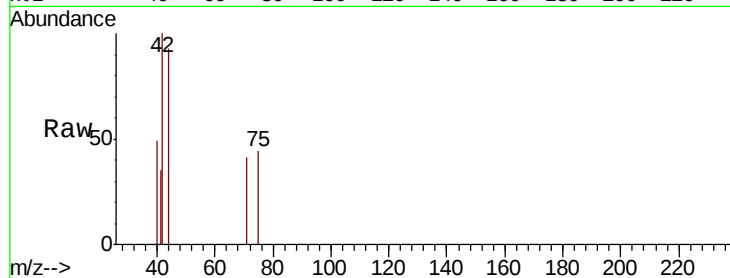
Tot Ion: 42 Resp: 1794

Ion Ratio Lower Upper

42 100

72 30.4 33.4 50.2#

71 42.0 35.7 53.5



#31

Cyclohexane

Concen: 2.094 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

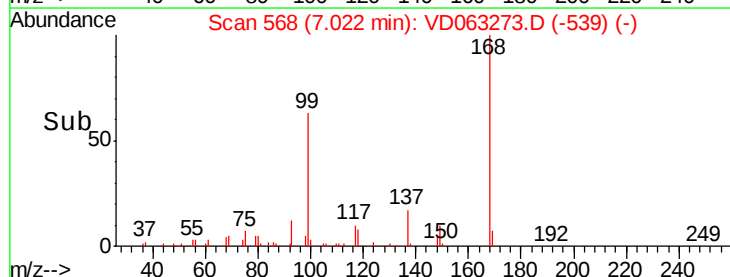
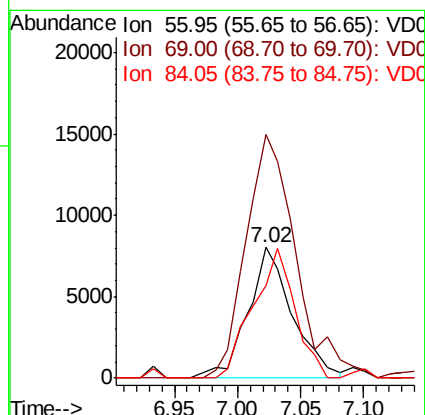
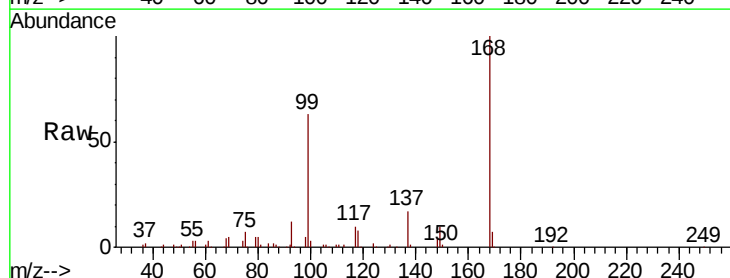
Tgt Ion: 56 Resp: 19708

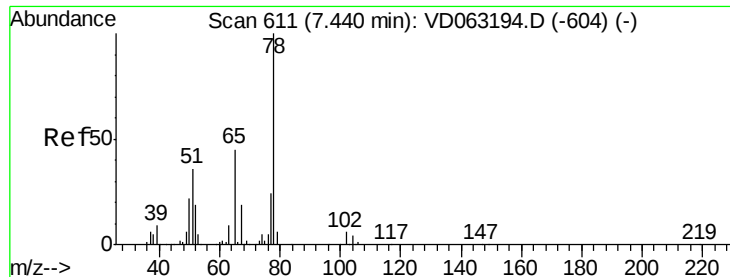
Ion Ratio Lower Upper

56 100

69 186.7 24.5 36.7#

84 70.7 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 45.048 ug/l

RT: 7.44 min Scan# 610

Delta R.T. -0.00 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

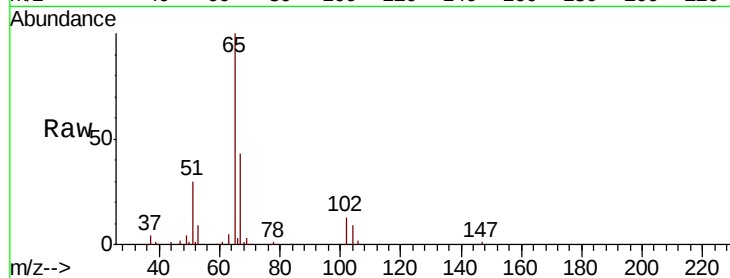
TP-1-A

Tot Ion: 65 Resp: 475900

Ion Ratio Lower Upper

65 100

67 43.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

200000

150000

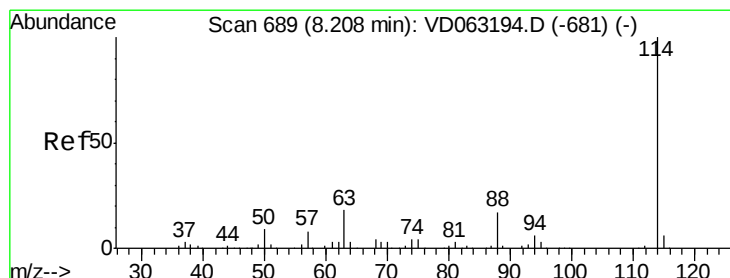
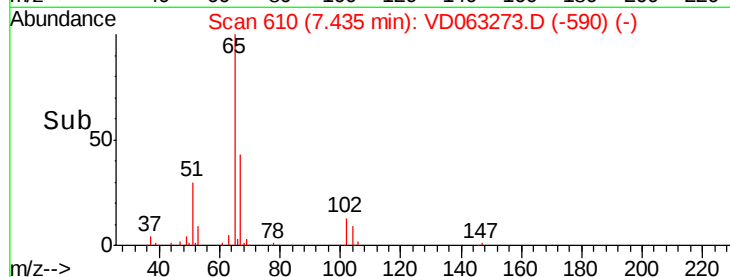
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. -0.00 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

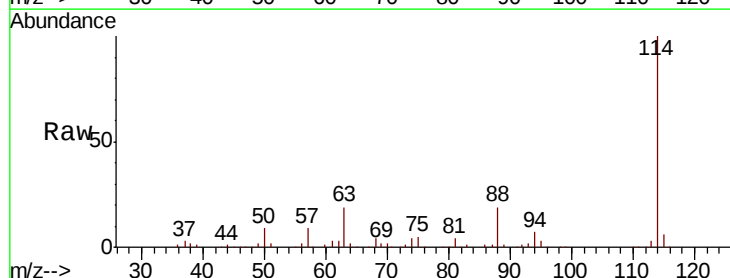
Tgt Ion: 114 Resp: 1352718

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.2

88 18.6 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.20

600000

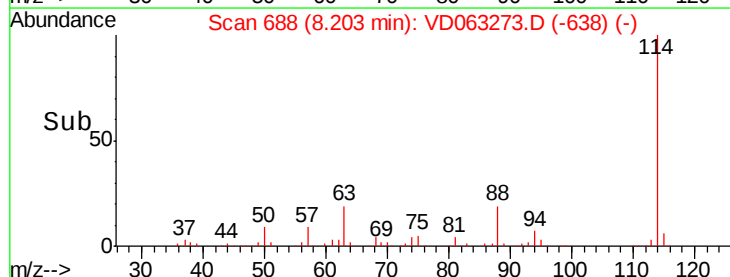
400000

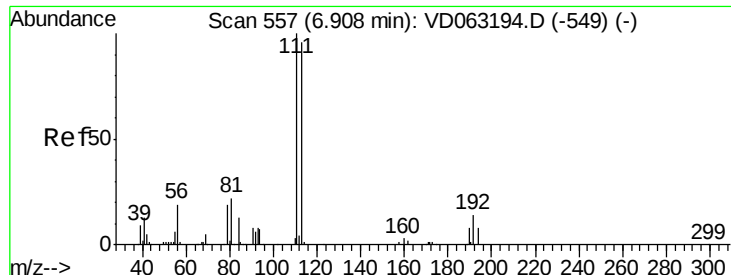
200000

0

8.10 8.20 8.30 8.40

Time-->

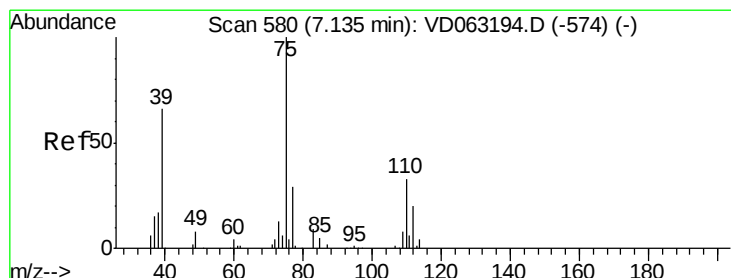
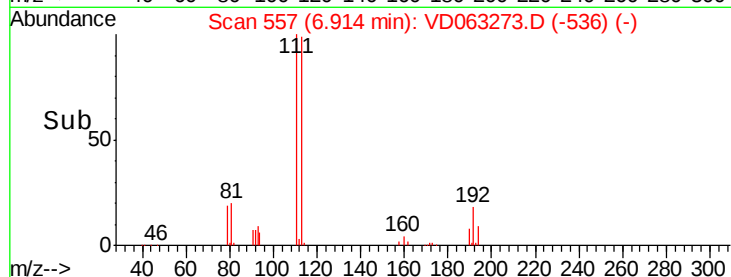
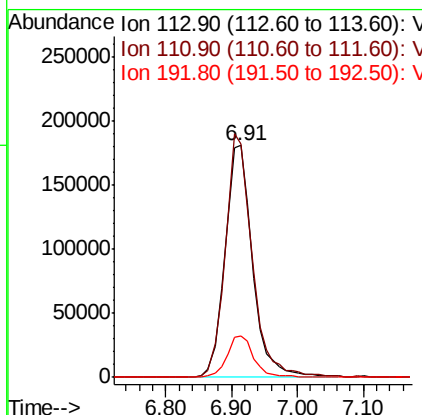
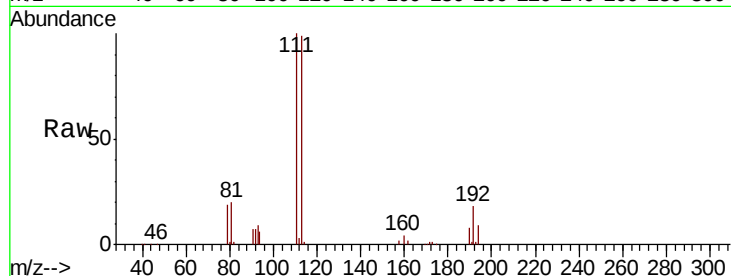




#35
 Dibromofluoromethane
 Concen: 46.076 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD063273.D
 Acq: 31 Jul 2019 12:37

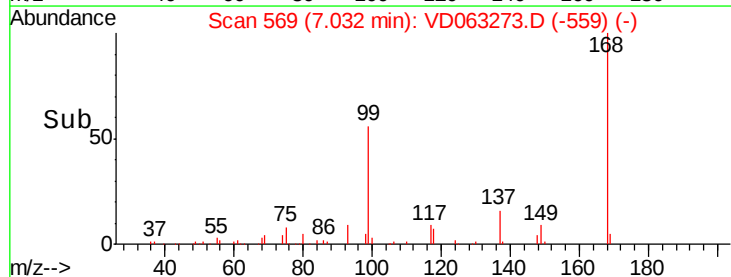
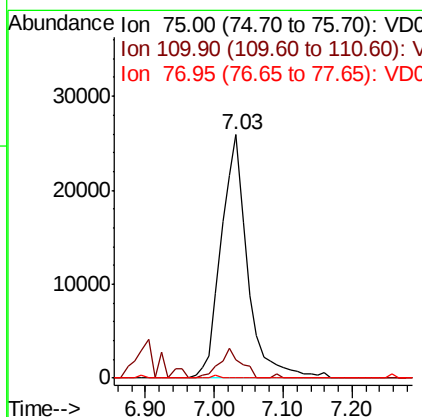
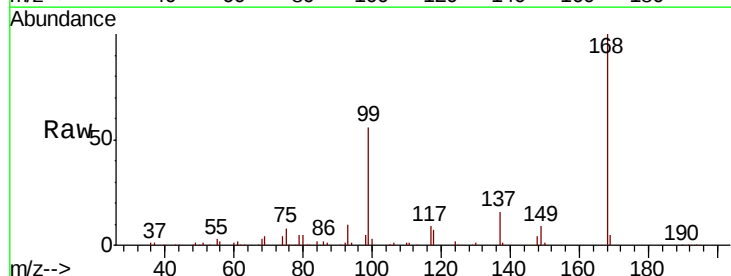
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-A

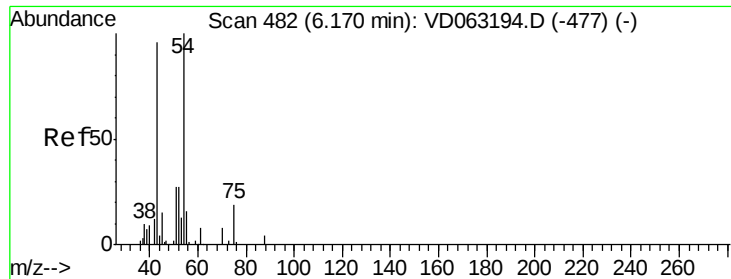
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.2	124.8
192	17.7	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 5.605 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063273.D
 Acq: 31 Jul 2019 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.1	48.2#
77	0.0	22.7	34.1#





#37

Ethyl Acetate

Concen: 1.919 ug/l

RT: 6.15 min Scan# 479

Delta R.T. -0.02 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

TP-1-A

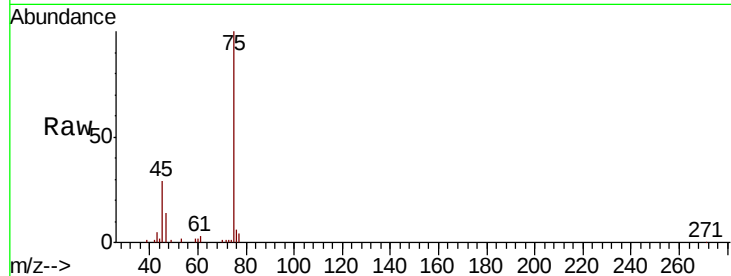
Tot Ion: 43 Resp: 10646

Ion Ratio Lower Upper

43 100

61 61.3 11.3 16.9#

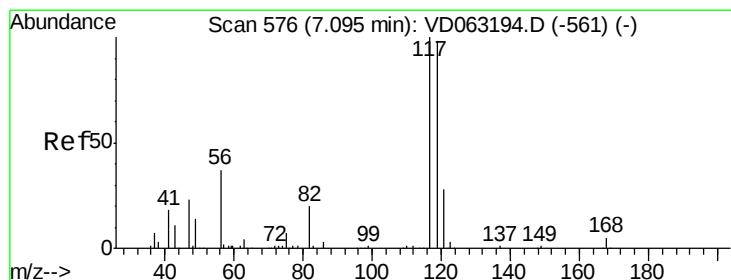
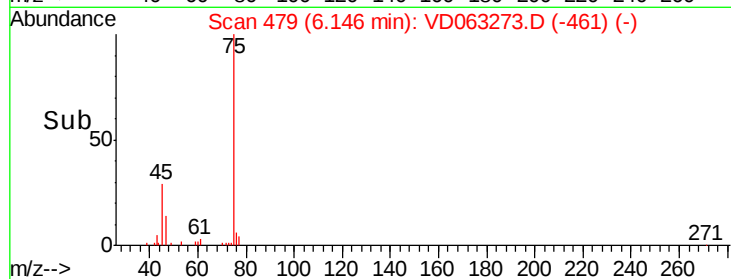
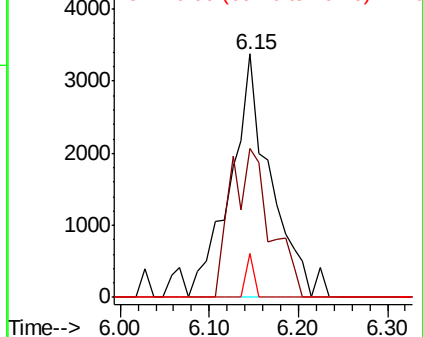
70 17.9 5.1 7.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.825 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

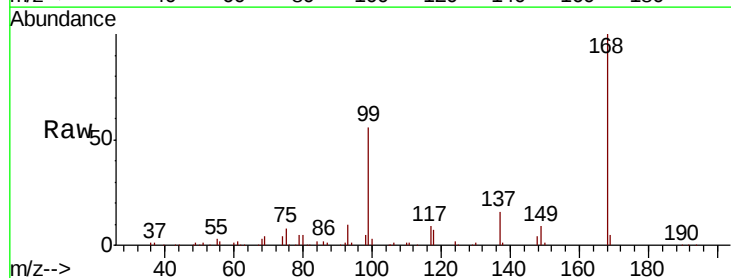
Tgt Ion: 117 Resp: 89677

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

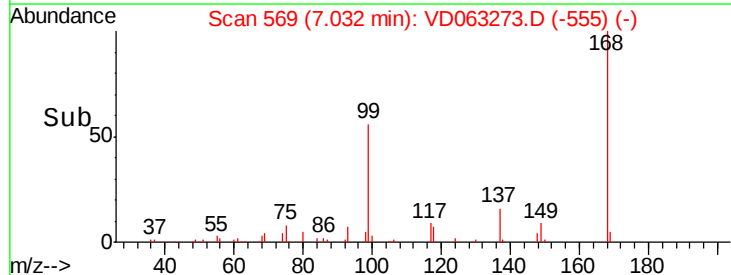
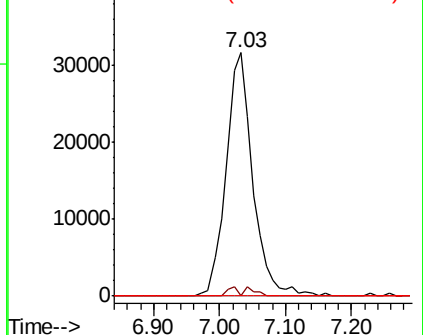
121 0.0 22.1 33.1#

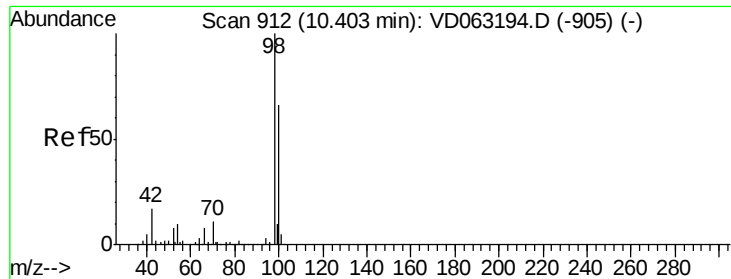


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

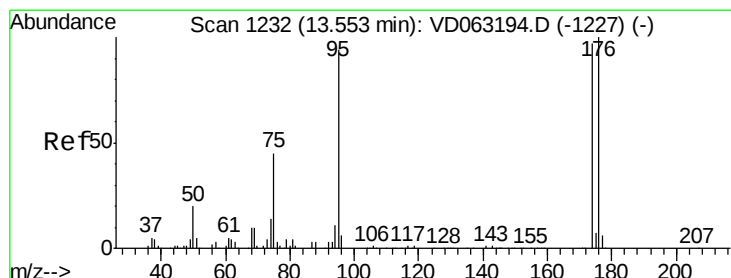
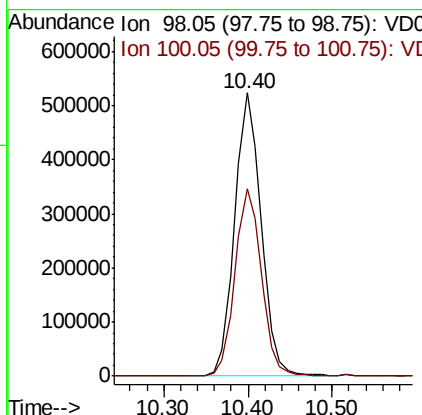
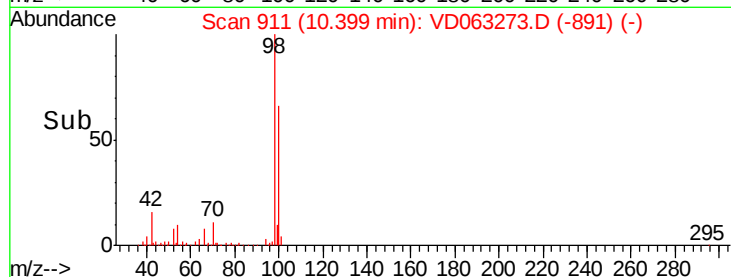
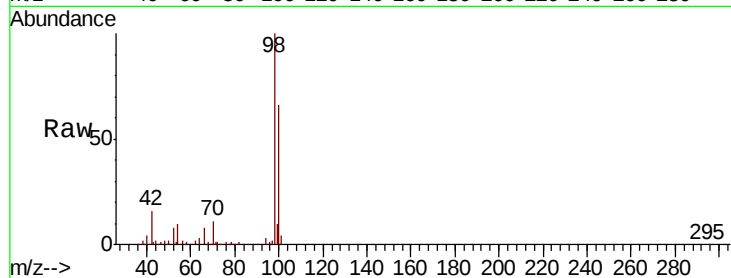




#50
Toluene-d8
Concen: 44.511 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.00 min
Lab File: VD063273.D
Acq: 31 Jul 2019 12:37

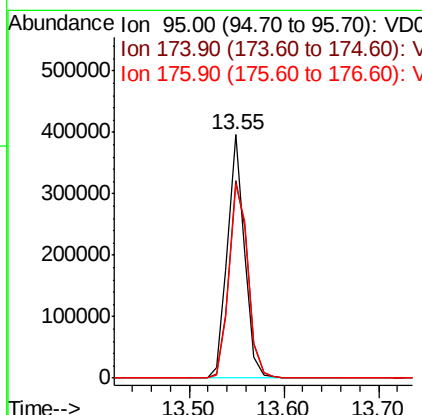
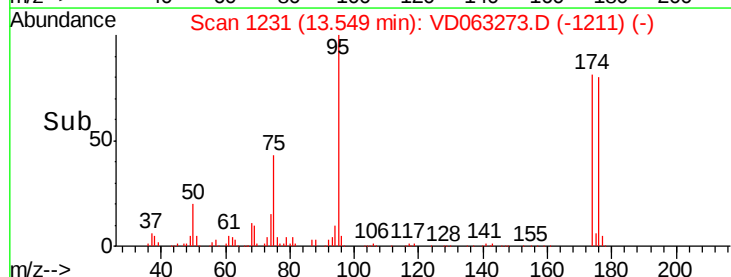
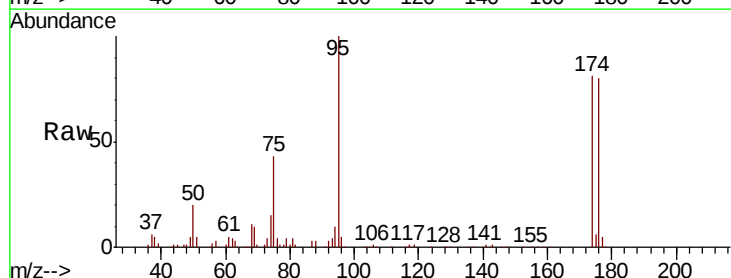
Instrument :
MSVOA_D
ClientSampleId :
TP-1-A

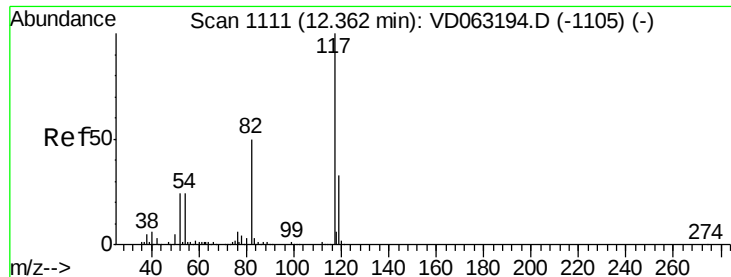
Tot Ion: 98 Resp: 1150486
Ion Ratio Lower Upper
98 100
100 66.2 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 42.023 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD063273.D
Acq: 31 Jul 2019 12:37

Tgt Ion: 95 Resp: 494966
Ion Ratio Lower Upper
95 100
174 81.1 0.0 205.4
176 79.6 0.0 211.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

TP-1-A

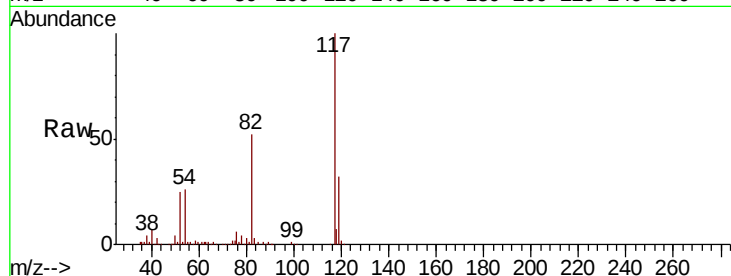
Tot Ion:117 Resp: 1095118

Ion Ratio Lower Upper

117 100

82 52.1 40.1 60.1

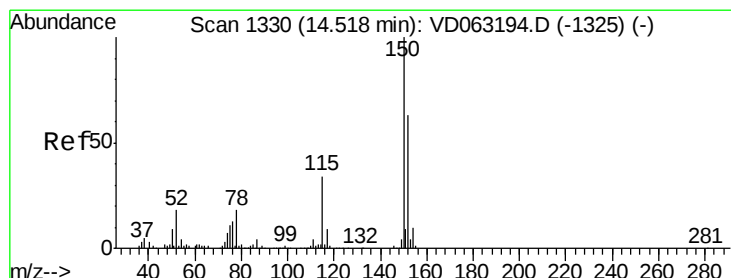
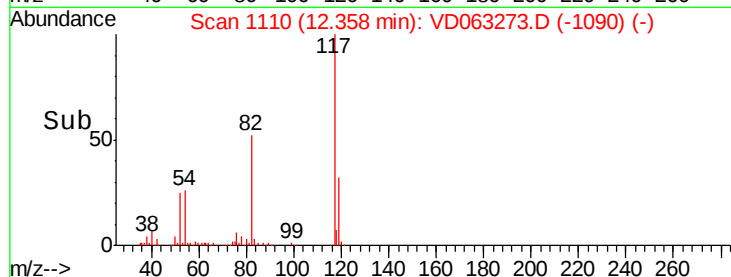
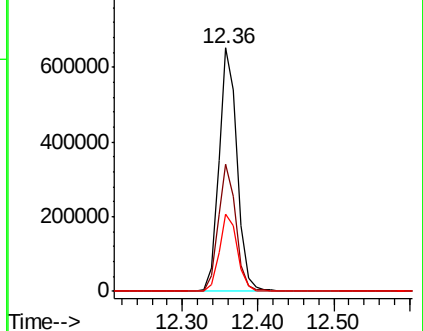
119 31.7 26.5 39.7



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. -0.00 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

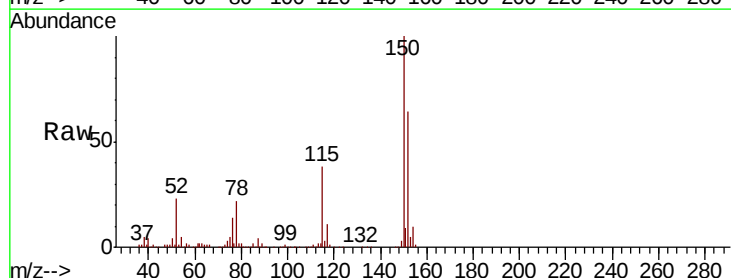
Tgt Ion:152 Resp: 552002

Ion Ratio Lower Upper

152 100

115 59.8 27.5 82.4

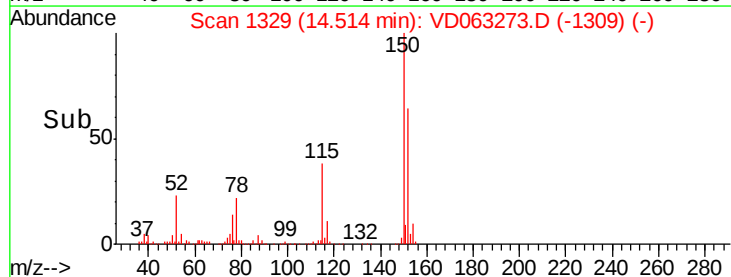
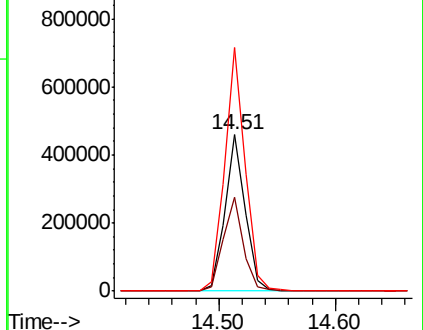
150 155.8 0.0 320.6

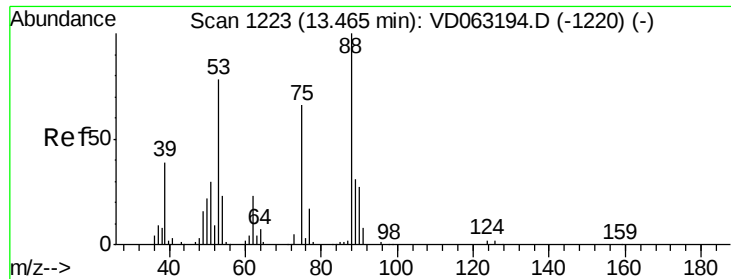


Abundance Ion 151.90 (151.60 to 152.60): V

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: 116.299 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063273.D

Acq: 31 Jul 2019 12:37

Instrument :

MSVOA_D

ClientSampleId :

TP-1-A

Tot Ion: 75 Resp: 214117

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

