

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062966.D
 Acq On : 28 Jun 2019 15:16
 Operator : VA/AP
 Sample : K3509-03RE
 Misc : 5.13g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SA-06-062619-B

Quant Time: Jun 29 00:15:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	736084	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	994369	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	810721	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	376331	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	465034	58.12	ug/l	-0.03
Spiked Amount			Recovery	=	116.24%	
35) Dibromofluoromethane	6.90	113	482382	57.53	ug/l	-0.03
Spiked Amount			Recovery	=	115.06%	
50) Toluene-d8	10.39	98	934566	51.21	ug/l	-0.02
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	13.54	95	416691	50.22	ug/l	-0.01
Spiked Amount			Recovery	=	100.44%	

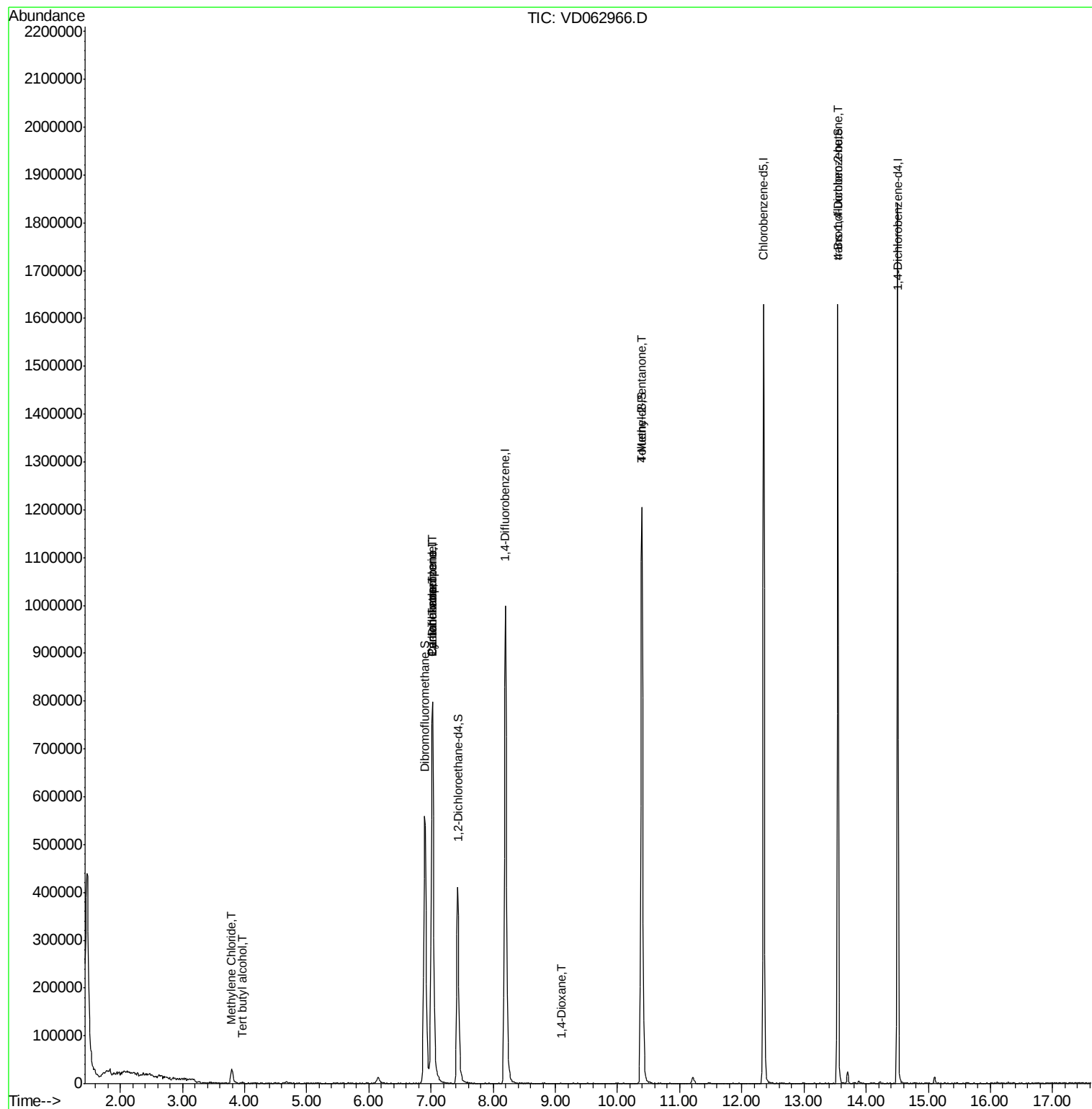
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.96	59	1914	5.252	ug/l #	77
16) Acetone	3.22	43	4547	Below Cal	#	64
20) Methylene Chloride	3.80	84	19470	3.191	ug/l	95
31) Cyclohexane	7.02	56	15309	2.038	ug/l #	26
36) 1,1-Dichloropropene	7.03	75	60596	6.437	ug/l #	52
37) Ethyl Acetate	6.18	43	794	Below Cal	#	69
38) Carbon Tetrachloride	7.02	117	76765	5.422	ug/l #	16
49) 1,4-Dioxane	9.10	88	227	7.780	ug/l #	29
51) 4-Methyl-2-Pentanone	10.39	43	6009	1.717	ug/l #	20
81) trans-1,4-Dichloro-2-buten	13.54	75	196399	172.489	ug/l #	2

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

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

Instrument :

MSVOA_D

ClientSampleId :

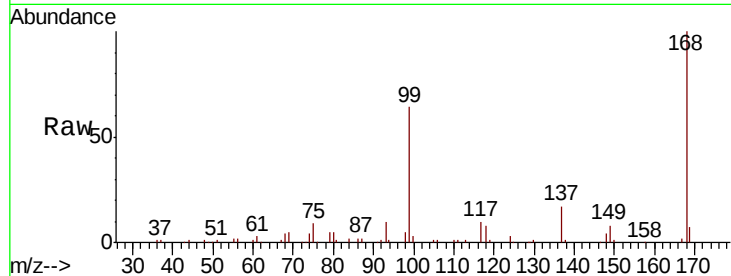
SA-06-062619-B

Tot Ion:168 Resp: 736084

Ion Ratio Lower Upper

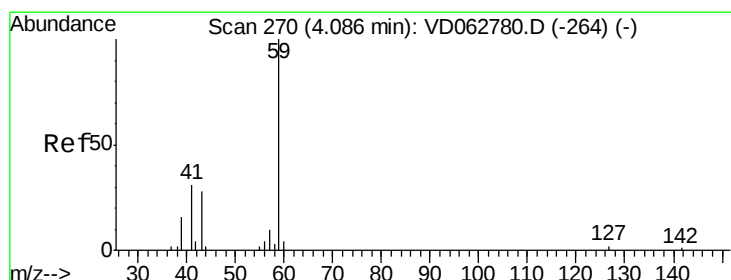
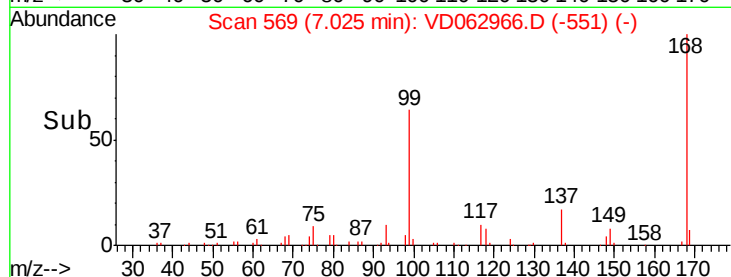
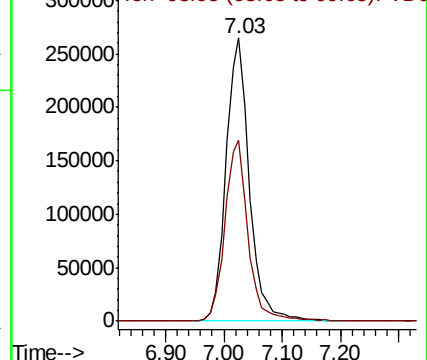
168 100

99 64.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 5.252 ug/l

RT: 3.96 min Scan# 258

Delta R.T. -0.12 min

Lab File: VD062966.D

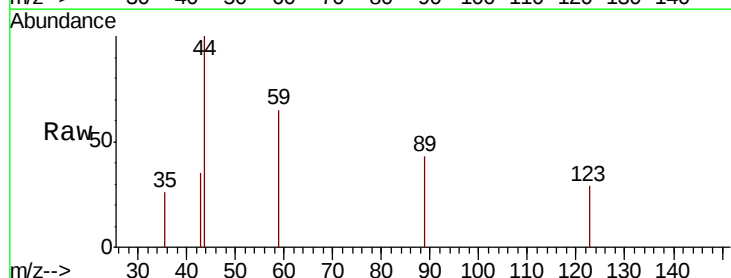
Acq: 28 Jun 2019 15:16

Tgt Ion: 59 Resp: 1914

Ion Ratio Lower Upper

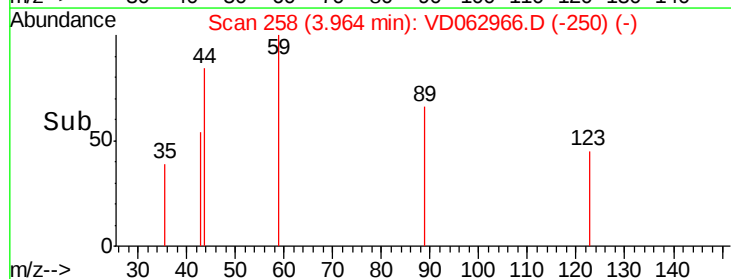
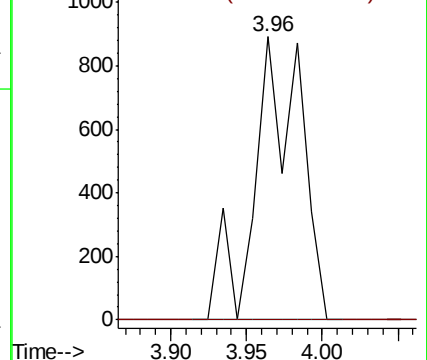
59 100

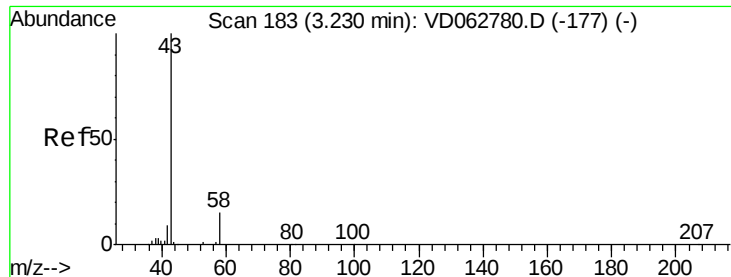
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

Instrument :

MSVOA_D

ClientSampleId :

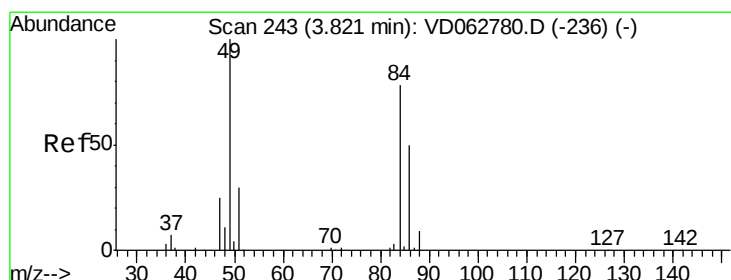
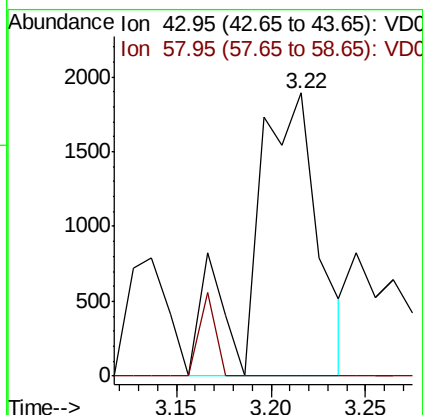
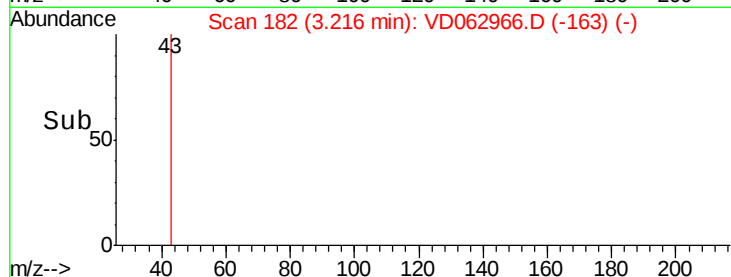
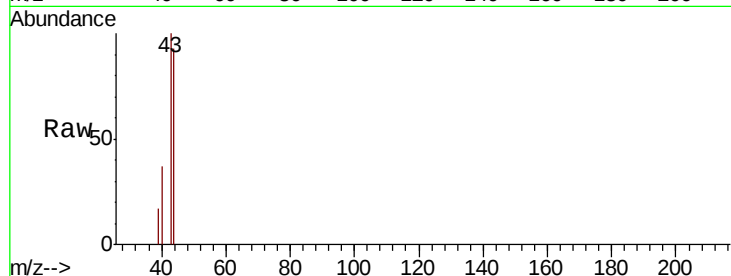
SA-06-062619-B

Tot Ion: 43 Resp: 4547

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



#20

Methylene Chloride

Concen: 3.191 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

Tgt Ion: 84 Resp: 19470

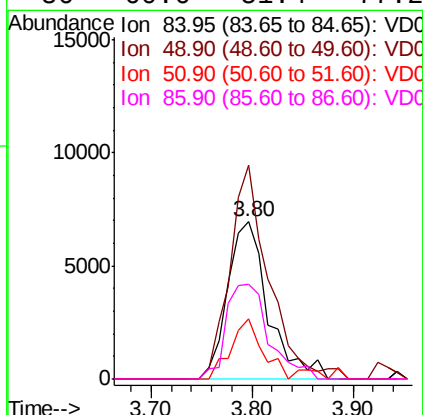
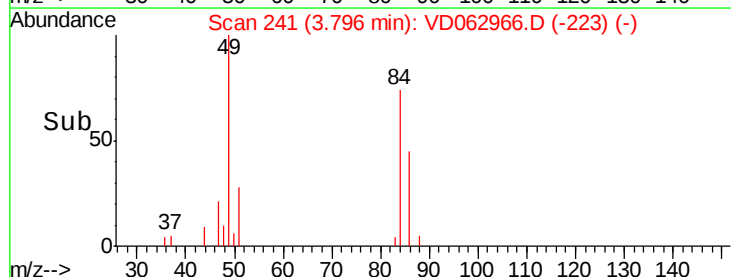
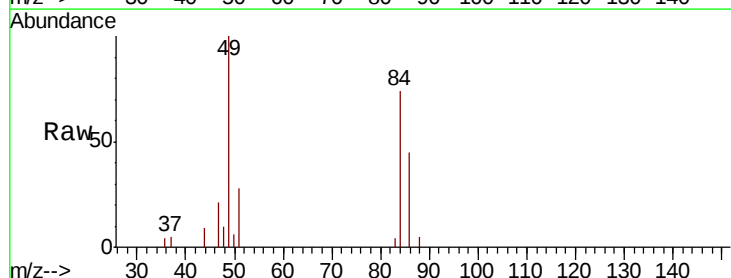
Ion Ratio Lower Upper

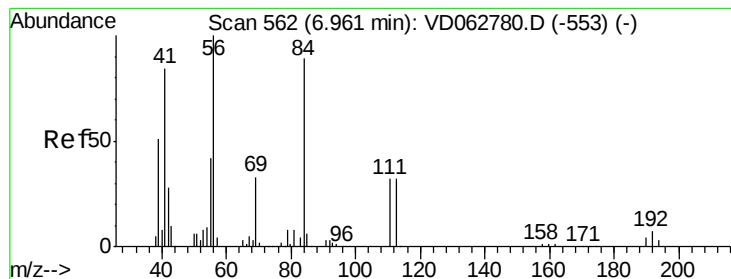
84 100

49 135.8 102.9 154.3

51 38.6 31.2 46.8

86 60.6 51.4 77.2





#31

Cvclohexane

Concen: 2.038 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.05 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

Instrument :

MSVOA_D

ClientSampleId :

SA-06-062619-B

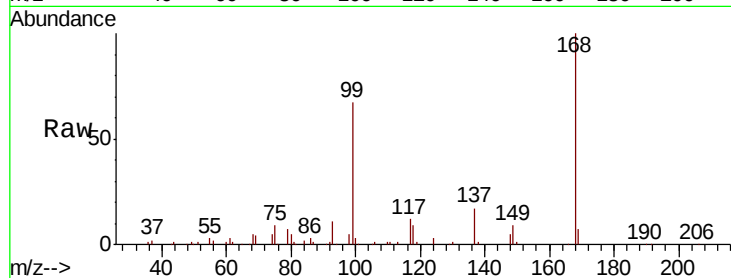
Tot Ion: 56 Resp: 15309

Ion Ratio Lower Upper

56 100

69 184.7 26.6 39.8#

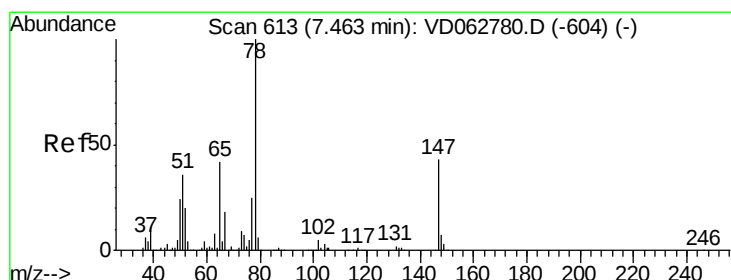
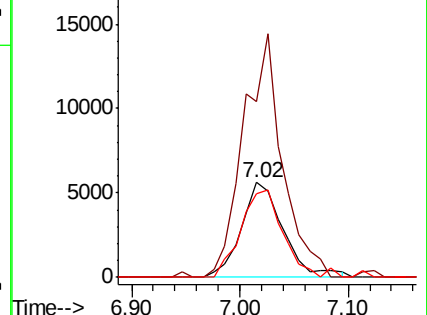
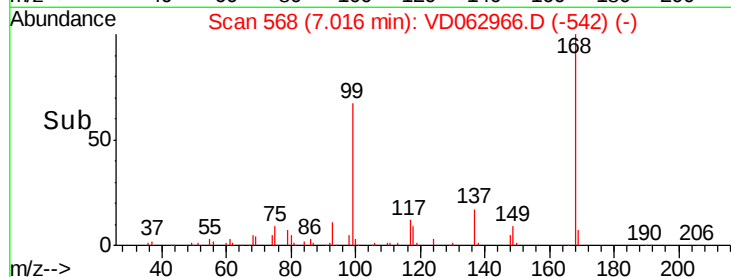
84 88.4 75.5 113.3



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: 58.121 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062966.D

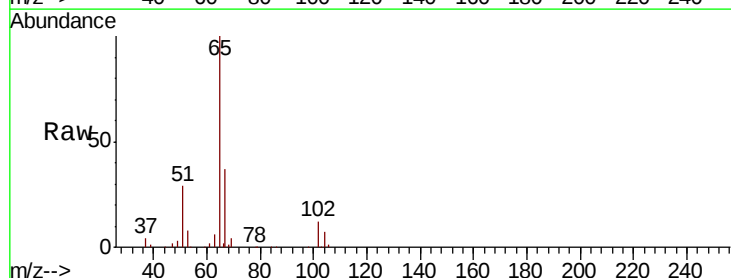
Acq: 28 Jun 2019 15:16

Tgt Ion: 65 Resp: 465034

Ion Ratio Lower Upper

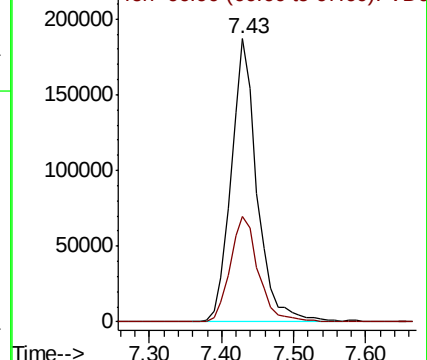
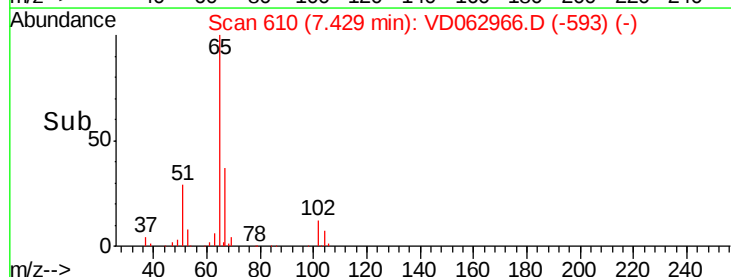
65 100

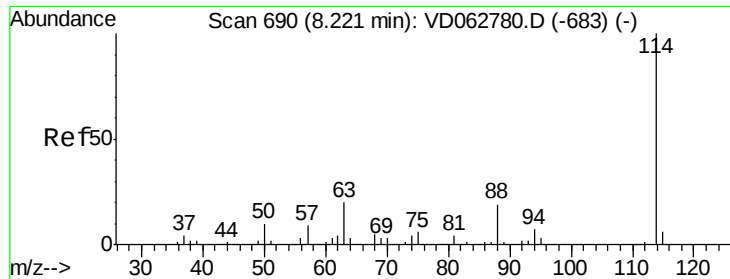
67 37.0 0.0 87.4



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. -0.02 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

Instrument :

MSVOA_D

ClientSampleId :

SA-06-062619-B

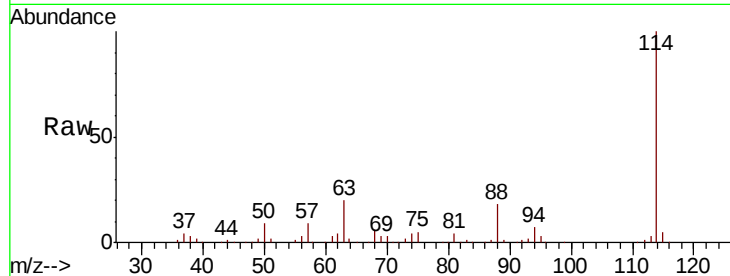
Tot Ion:114 Resp: 994369

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

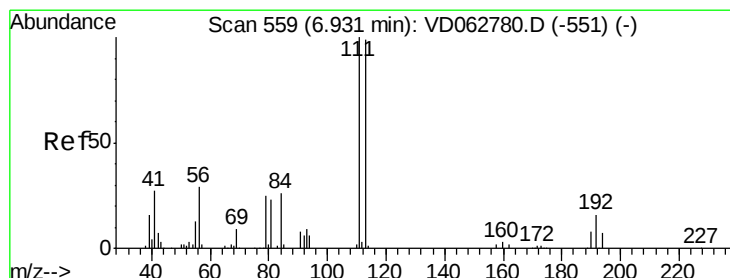
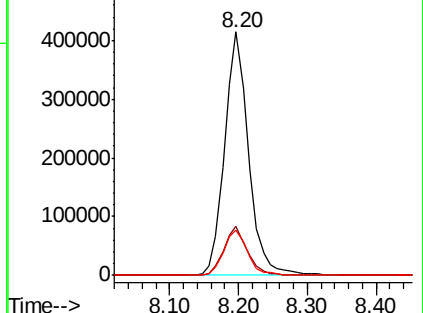
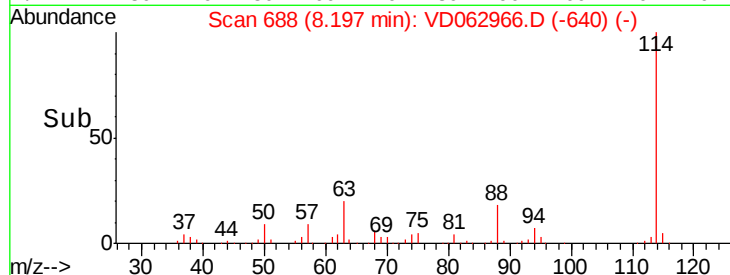
88 18.4 0.0 38.8



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: 57.533 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.03 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

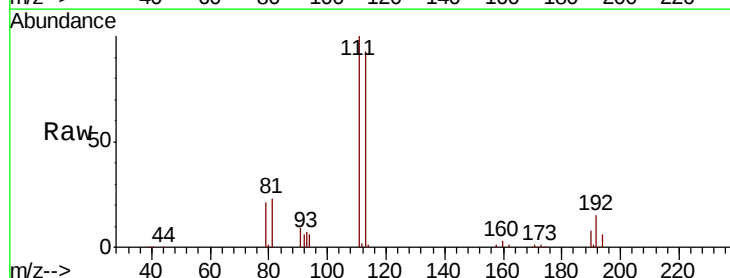
Tgt Ion:113 Resp: 482382

Ion Ratio Lower Upper

113 100

111 108.0 81.2 121.8

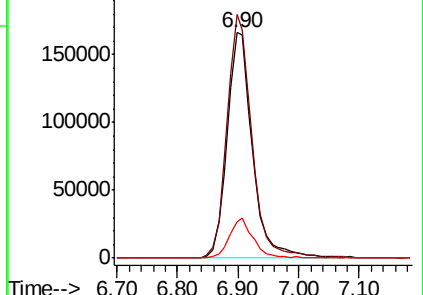
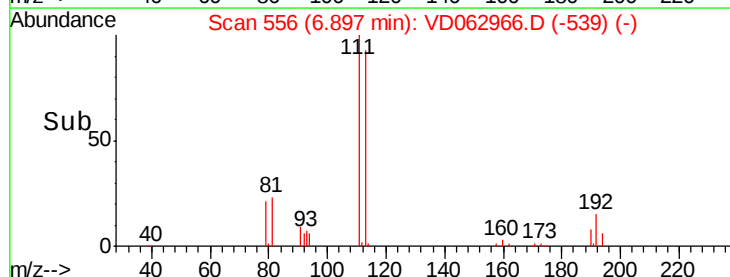
192 16.1 12.9 19.3

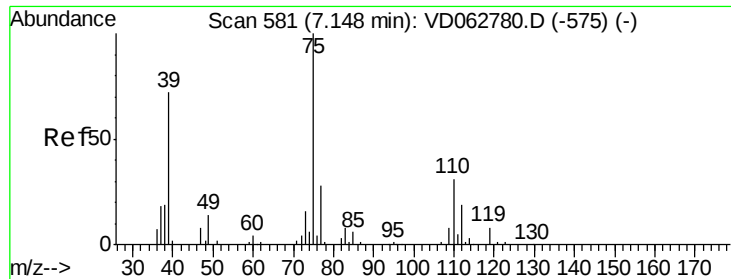


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

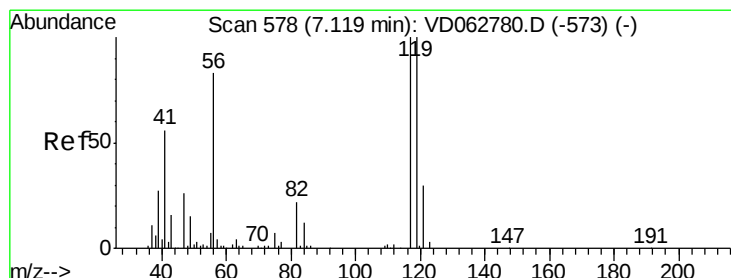
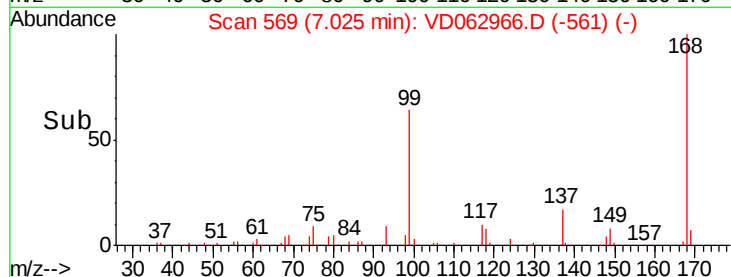
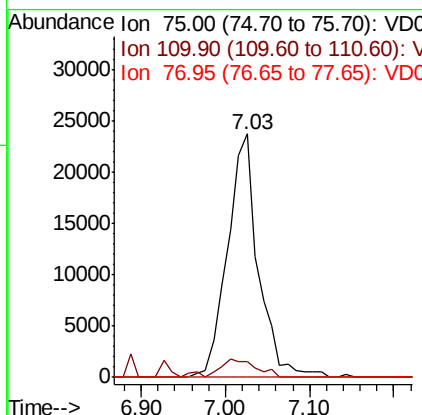
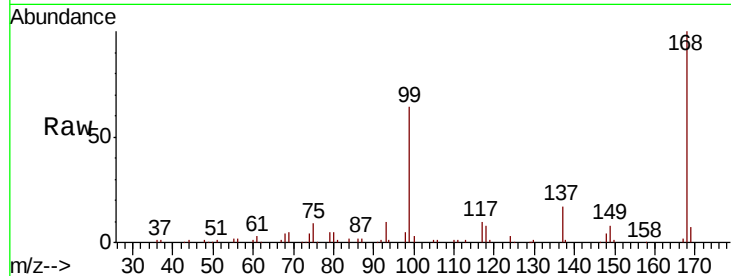




#36
 1,1-Dichloropropene
 Concen: 6.437 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.12 min
 Lab File: VD062966.D
 Acq: 28 Jun 2019 15:16

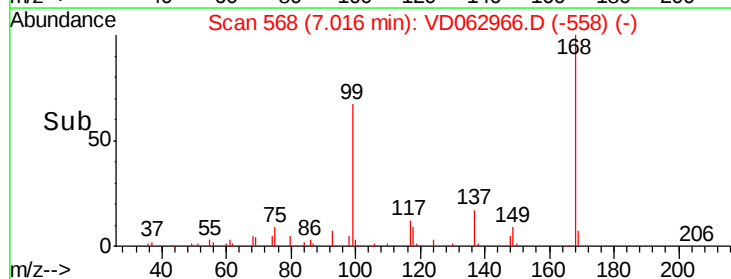
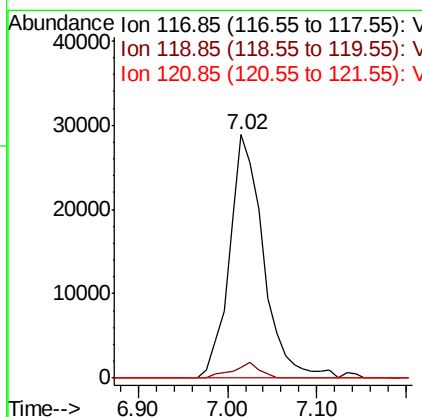
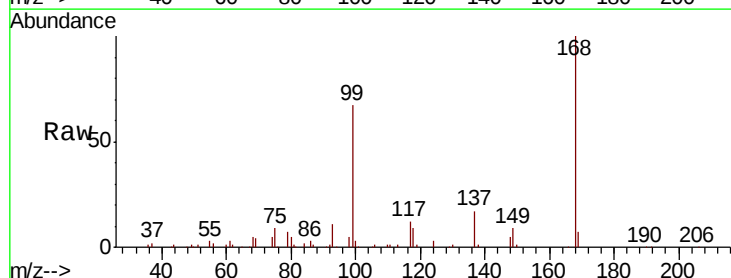
Instrument :
 MSVOA_D
 ClientSampleId :
 SA-06-062619-B

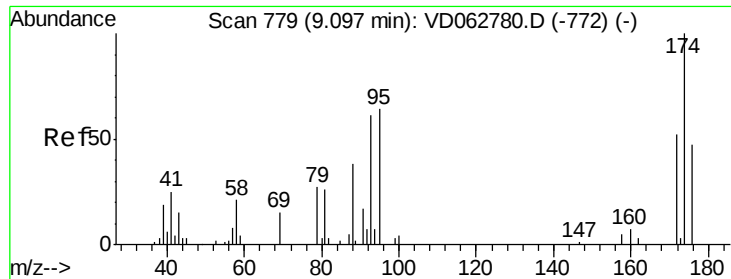
Tot Ion: 75 Resp: 60596
 Ion Ratio Lower Upper
 75 100
 110 6.5 15.0 45.1#
 77 0.0 22.2 33.2#



#38
 Carbon Tetrachloride
 Concen: 5.422 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.10 min
 Lab File: VD062966.D
 Acq: 28 Jun 2019 15:16

Tgt Ion: 117 Resp: 76765
 Ion Ratio Lower Upper
 117 100
 119 4.6 75.4 113.2#
 121 0.0 22.3 33.5#

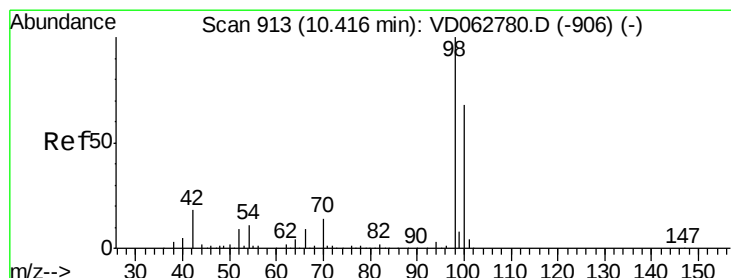
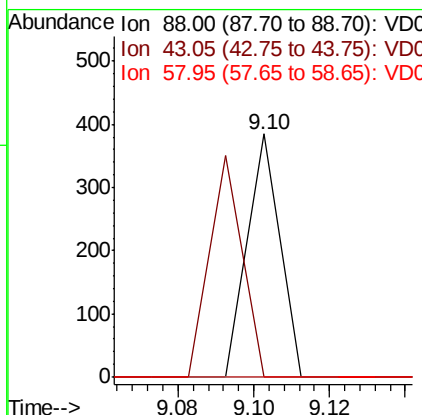
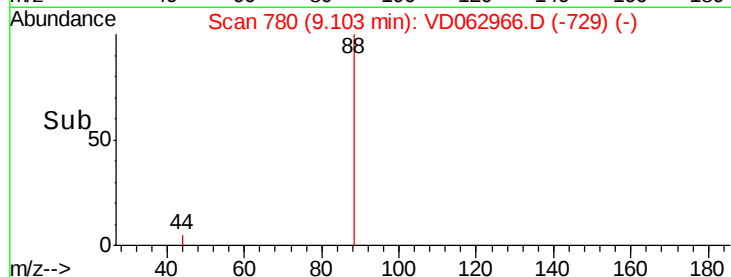
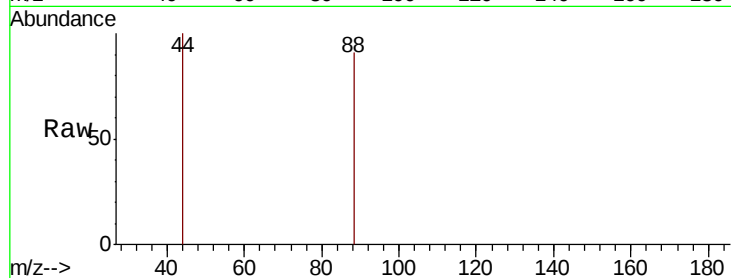




#49
1,4-Dioxane
Concen: 7.780 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.01 min
Lab File: VD062966.D
Acq: 28 Jun 2019 15:16

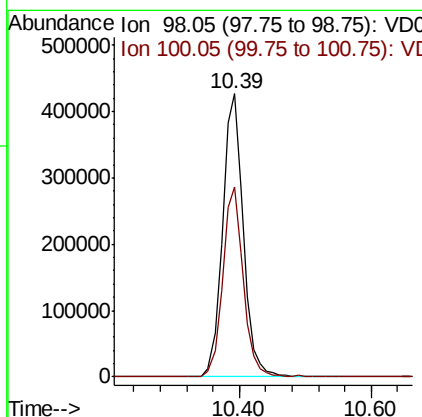
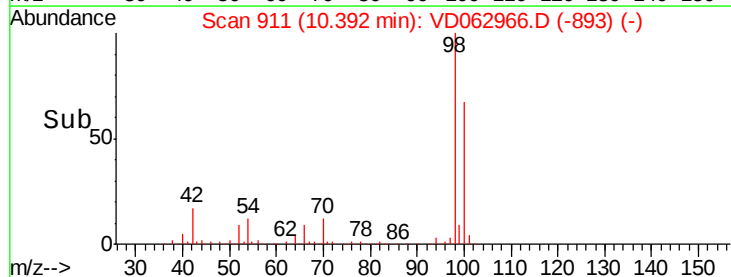
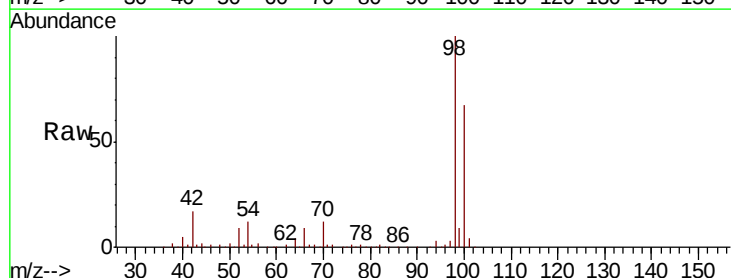
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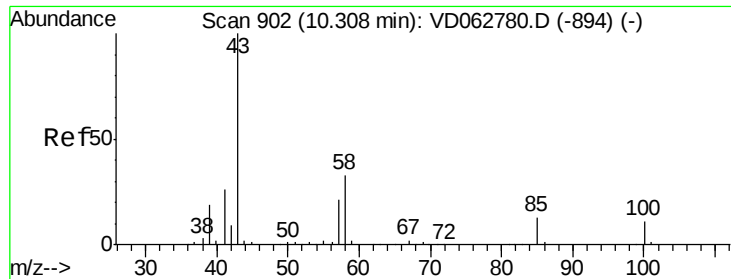
Tot Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
43 0.0 32.1 48.1#
58 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 51.213 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062966.D
Acq: 28 Jun 2019 15:16

Tgt Ion: 98 Resp: 934566
Ion Ratio Lower Upper
98 100
100 67.3 54.7 82.1





#51

4-Methyl-2-Pentanone

Concen: 1.717 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.08 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

Instrument :

MSVOA_D

ClientSampleID :

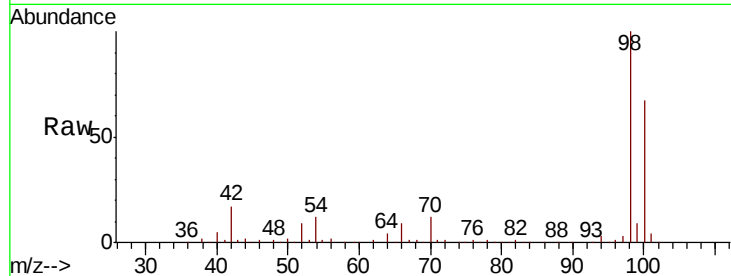
SA-06-062619-B

Tot Ion: 43 Resp: 6009

Ion Ratio Lower Upper

43 100

58 78.7 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.39

2500

2000

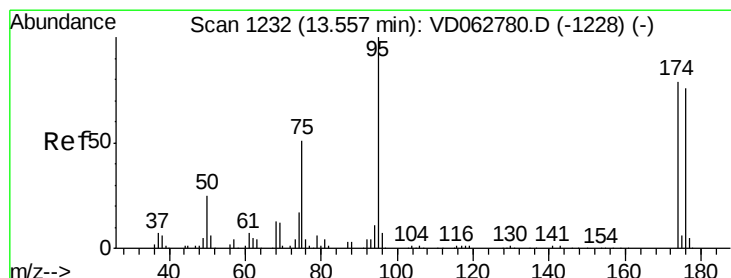
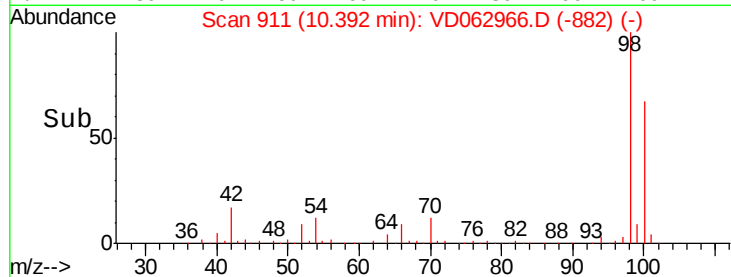
1500

1000

500

0

Time--> 10.30 10.35 10.40 10.45



#62

4-Bromofluorobenzene

Concen: 50.218 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

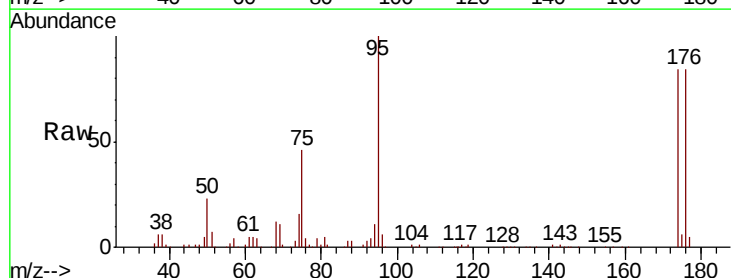
Tgt Ion: 95 Resp: 416691

Ion Ratio Lower Upper

95 100

174 83.8 0.0 158.0

176 84.5 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.54

400000

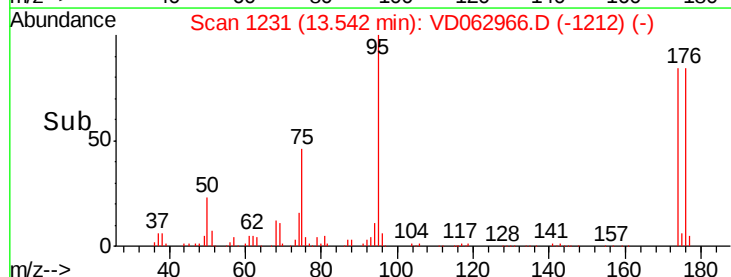
300000

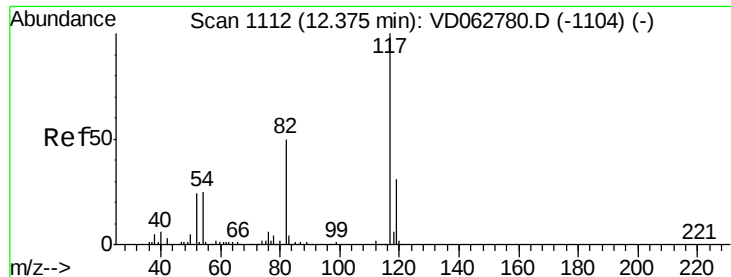
200000

100000

0

Time--> 13.50 13.60

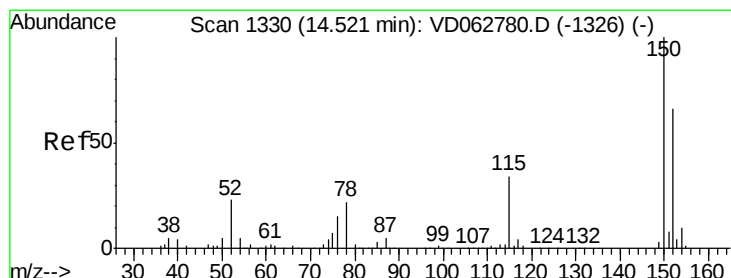
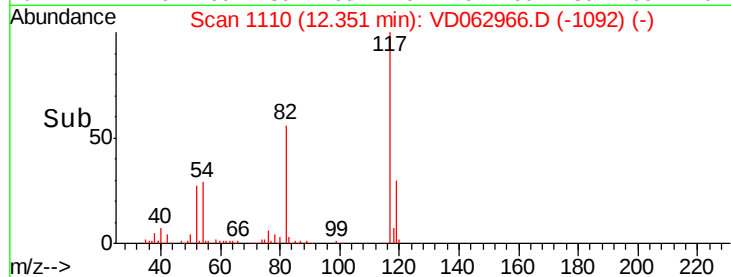
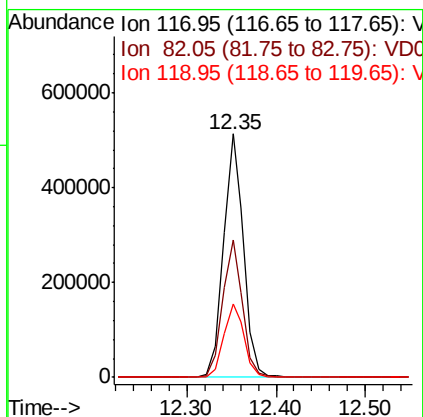
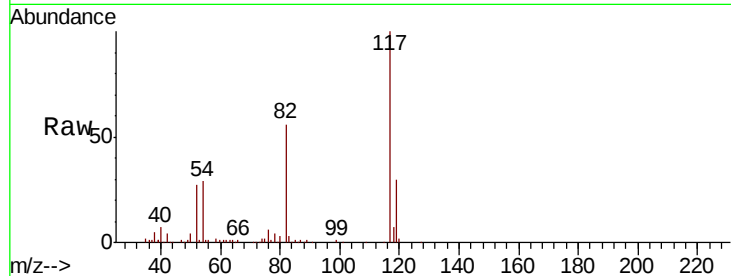




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062966.D
Acq: 28 Jun 2019 15:16

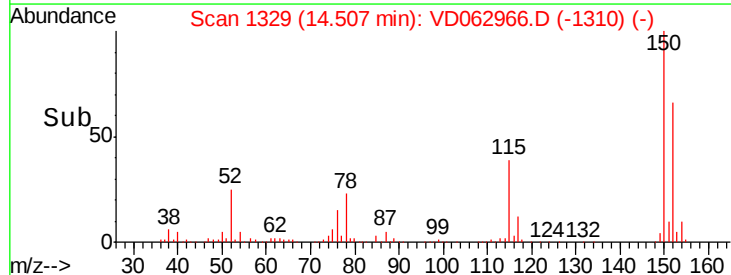
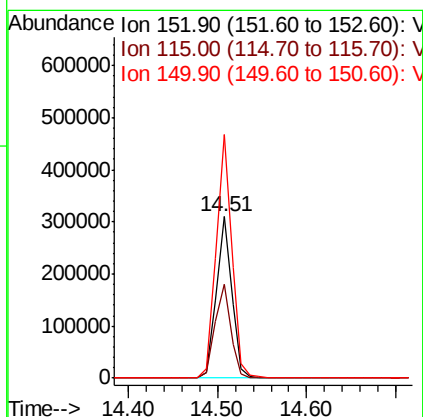
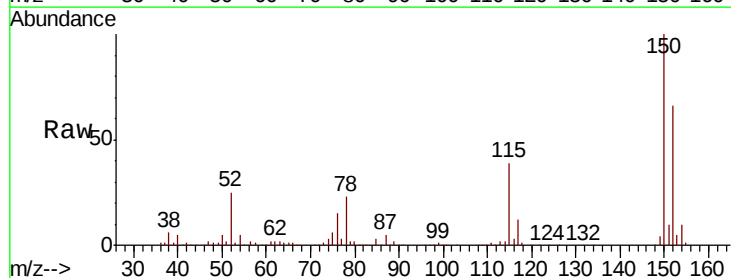
Instrument :
MSVOA_D
ClientSampleId :
SA-06-062619-B

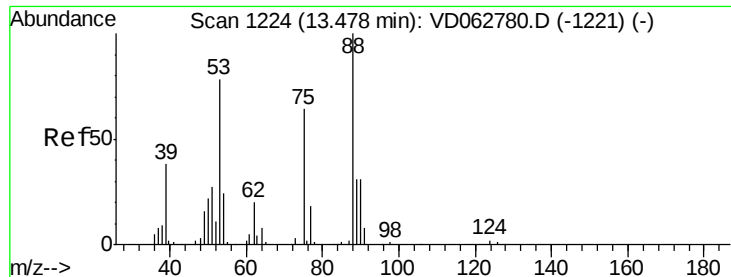
Tot Ion:117 Resp: 810721
Ion Ratio Lower Upper
117 100
82 56.5 40.4 60.6
119 30.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062966.D
Acq: 28 Jun 2019 15:16

Tgt Ion:152 Resp: 376331
Ion Ratio Lower Upper
152 100
115 58.4 29.2 87.6
150 151.0 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 172.489 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062966.D

Acq: 28 Jun 2019 15:16

Instrument :

MSVOA_D

ClientSampleId :

SA-06-062619-B

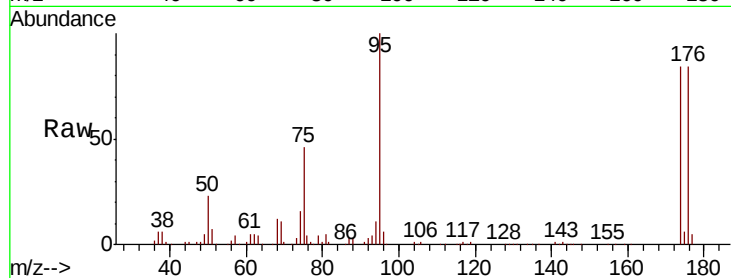
Tot Ion: 75 Resp: 196399

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

