

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062939.D
 Acq On : 27 Jun 2019 18:44
 Operator : VA/AP
 Sample : K3552-02
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 02:22:22 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	7.02	168	132803	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	231315	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	220930	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	98012	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	194668	134.85	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	269.70%	
35) Dibromofluoromethane	6.90	113	141534	72.57	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	145.14%	
50) Toluene-d8	10.39	98	239488	56.42	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	112.84%	
62) 4-Bromofluorobenzene	13.55	95	113542	58.82	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	117.64%	

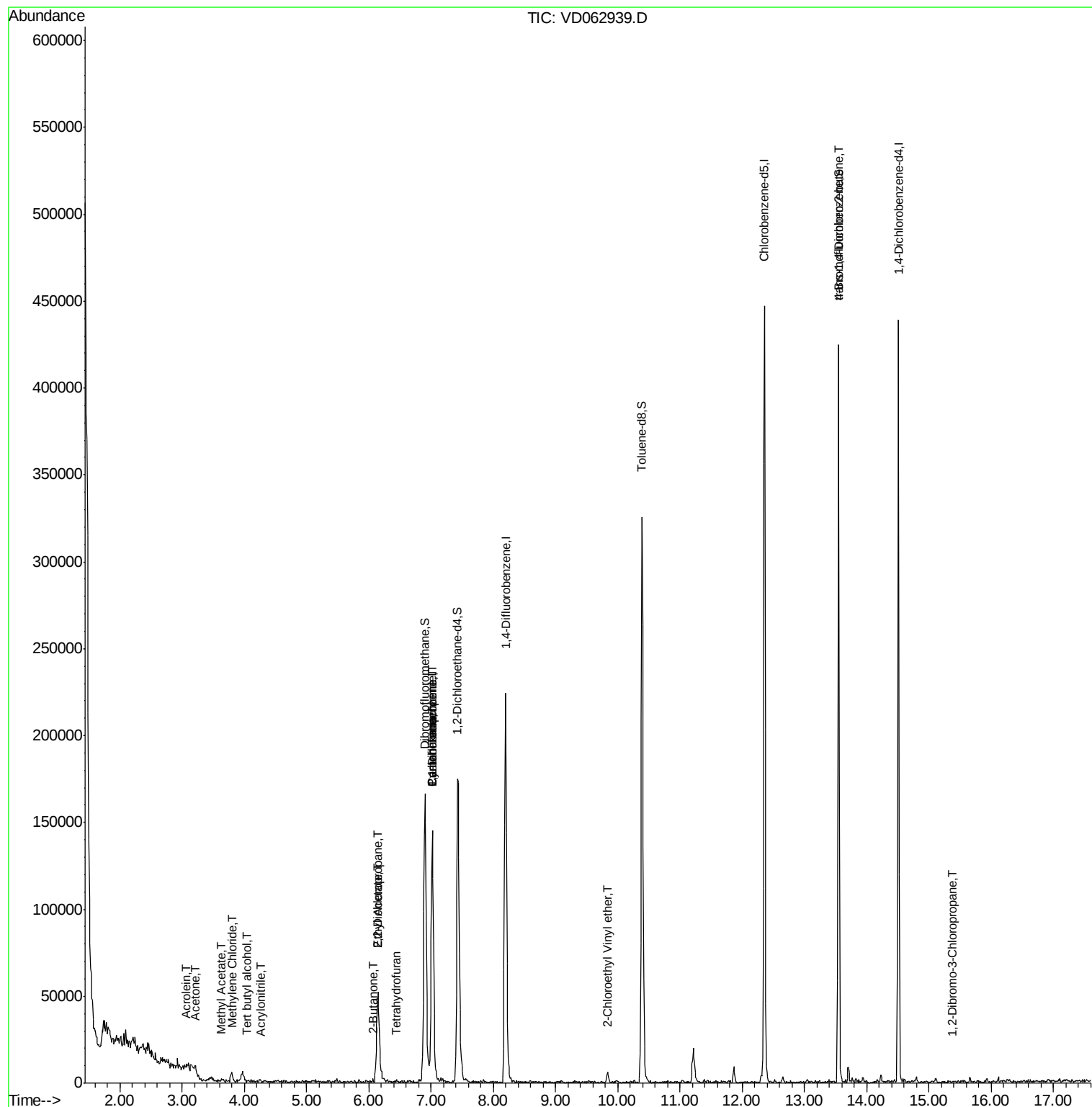
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	209	3.179	ug/l #	77
13) Acrolein	3.05	56	526	7.837	ug/l #	15
15) Acrylonitrile	4.27	53	194	1.256	ug/l #	11
16) Acetone	3.21	43	10502	29.711	ug/l #	90
18) Methyl Acetate	3.61	43	1461	3.353	ug/l #	58
20) Methylene Chloride	3.80	84	2775	2.521	ug/l #	65
25) 2-Butanone	6.06	43	674	2.496	ug/l #	64
26) 2,2-Dichloropropane	6.15	77	2877	1.316	ug/l #	58
29) Tetrahydrofuran	6.44	42	438	3.429	ug/l #	60
31) Cyclohexane	7.01	56	3033	2.237	ug/l #	33
36) 1,1-Dichloropropene	7.02	75	11114	5.076	ug/l #	46
37) Ethyl Acetate	6.14	43	4576	3.961	ug/l #	1
38) Carbon Tetrachloride	7.02	117	14662	4.452	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.83	63	3000	5.387	ug/l #	79
81) trans-1,4-Dichloro-2-buten	13.55	75	60083	202.611	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	15.38	75	328	1.641	ug/l #	14

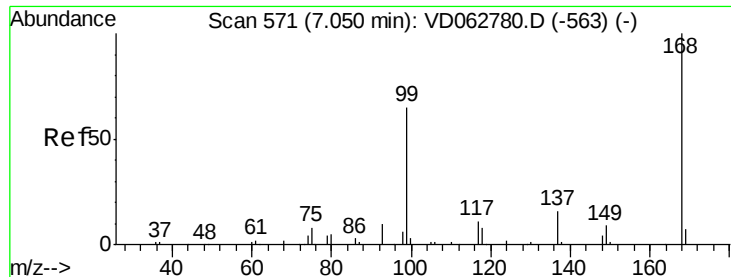
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\
Data File : VD062939.D
Acq On : 27 Jun 2019 18:44
Operator : VA/AP
Sample : K3552-02
Misc : 5.09g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 28 02:22:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
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: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

Instrument :

MSVOA_D

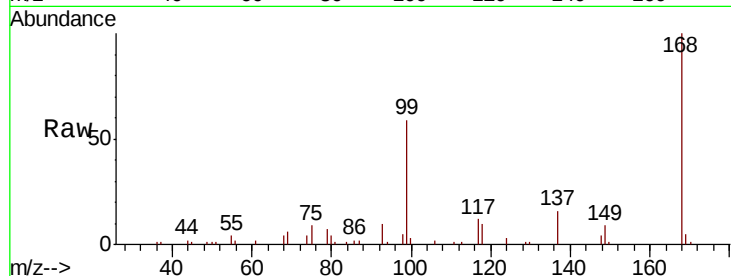
ClientSampleId :

Tot Ion:168 Resp: 132803

Ion Ratio Lower Upper

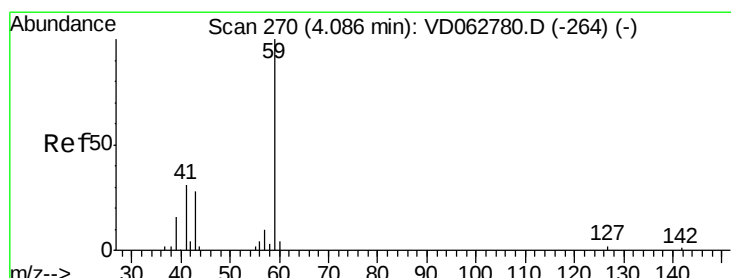
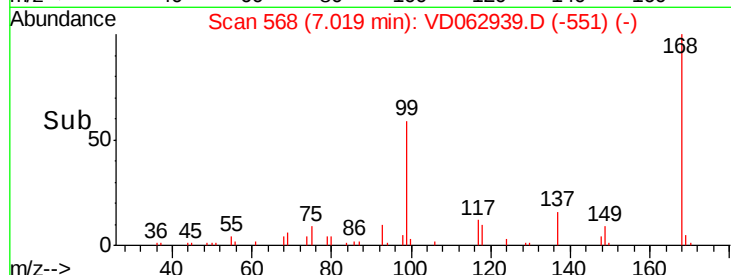
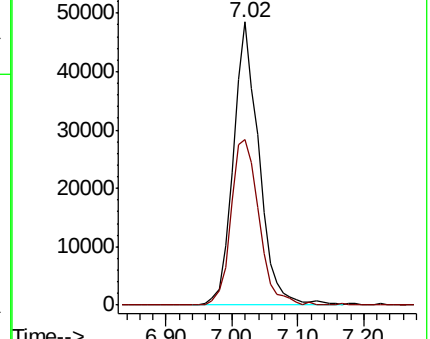
168 100

99 58.6 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: 3.179 ug/l

RT: 4.05 min Scan# 266

Delta R.T. -0.04 min

Lab File: VD062939.D

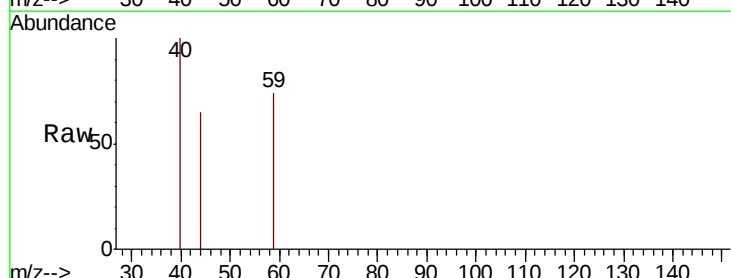
Acq: 27 Jun 2019 18:44

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

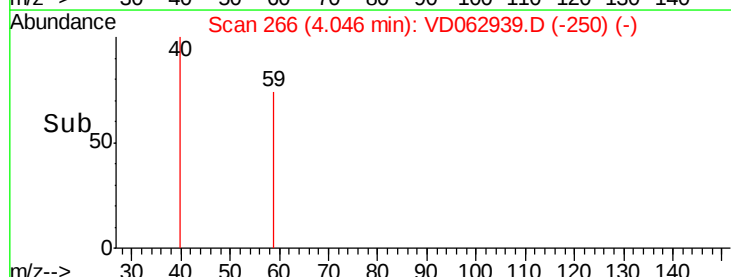
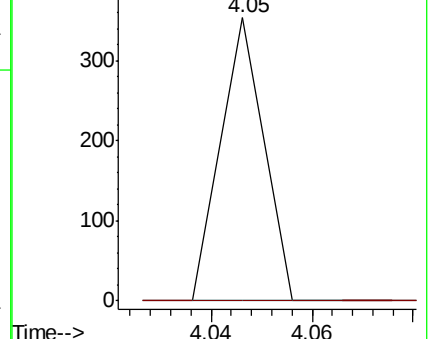
59 100

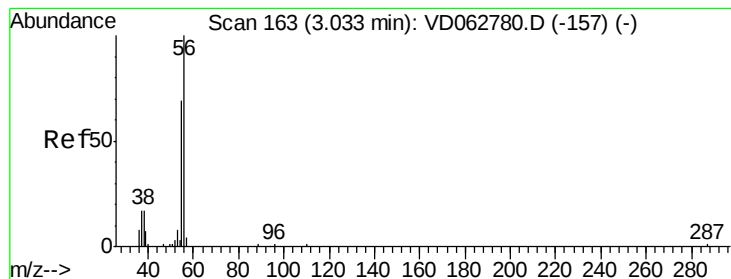
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 7.837 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

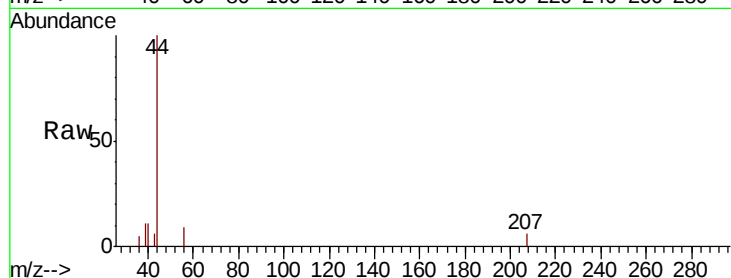
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 526

Ion Ratio Lower Upper

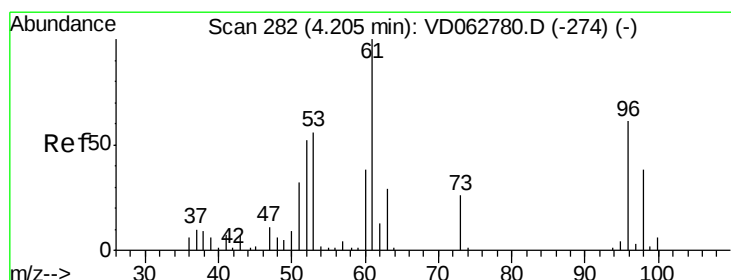
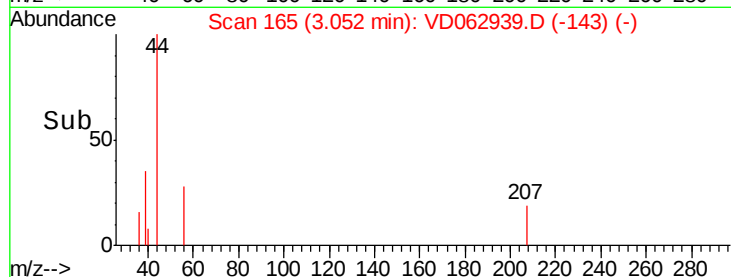
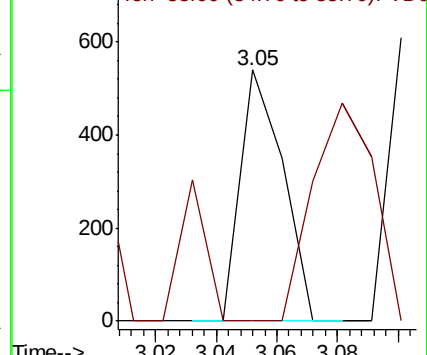
56 100

55 0.0 55.4 83.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#15

Acrylonitrile

Concen: 1.256 ug/l

RT: 4.27 min Scan# 289

Delta R.T. 0.07 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

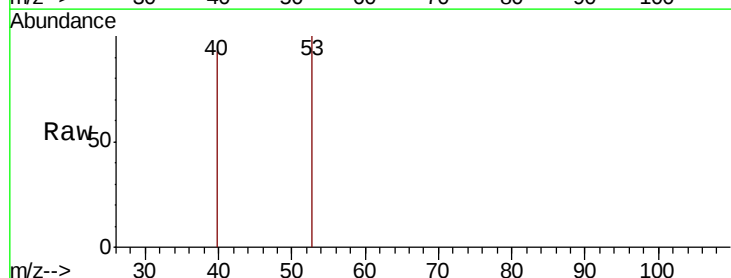
Tgt Ion: 53 Resp: 194

Ion Ratio Lower Upper

53 100

52 0.0 73.3 109.9#

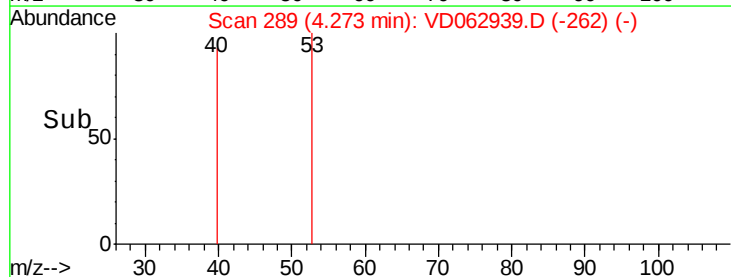
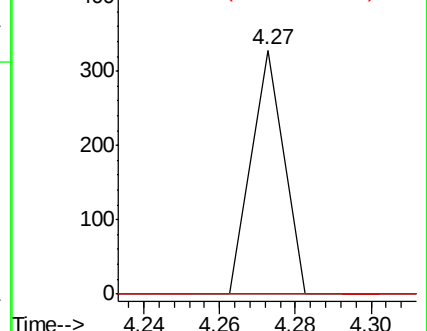
51 0.0 44.8 67.2#

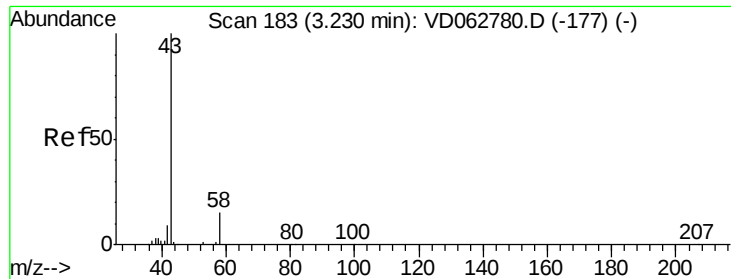


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 29.711 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

Instrument :

MSVOA_D

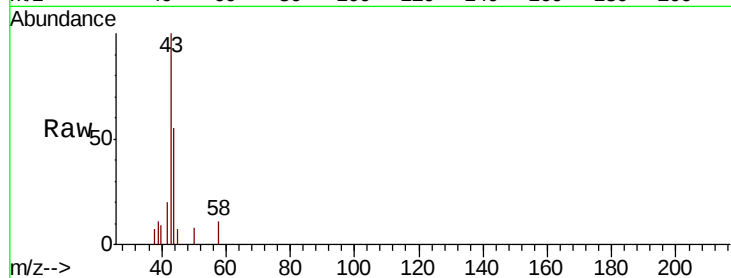
ClientSampleId :

Tot Ion: 43 Resp: 10502

Ion Ratio Lower Upper

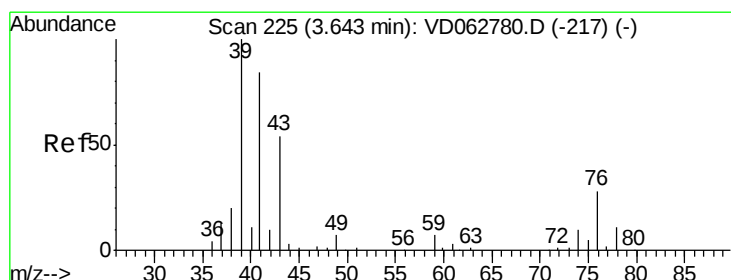
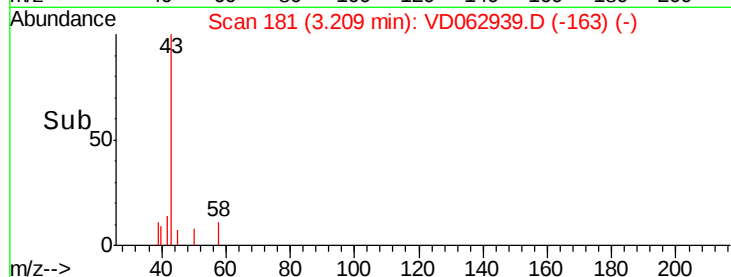
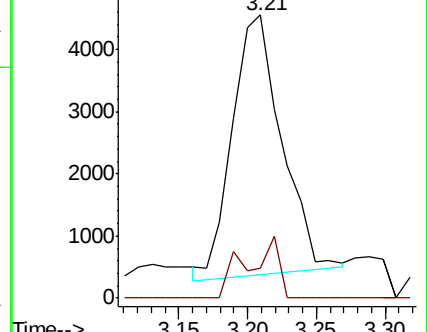
43 100

58 10.8 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 3.353 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062939.D

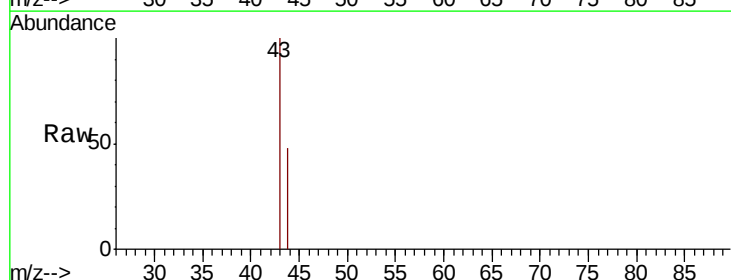
Acq: 27 Jun 2019 18:44

Tgt Ion: 43 Resp: 1461

Ion Ratio Lower Upper

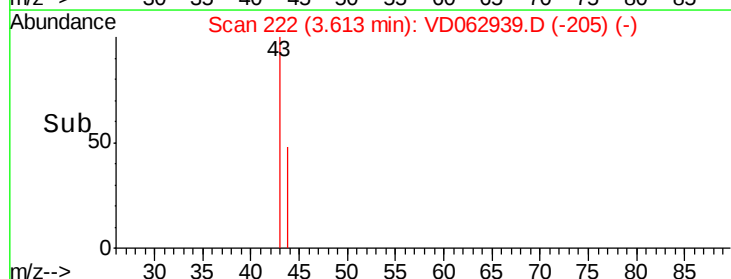
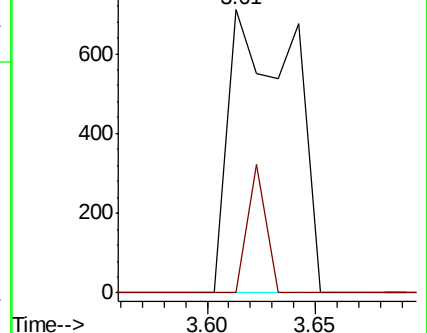
43 100

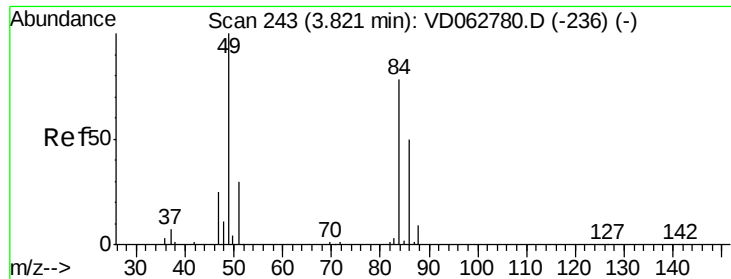
74 0.0 15.2 22.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 2.521 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 2775

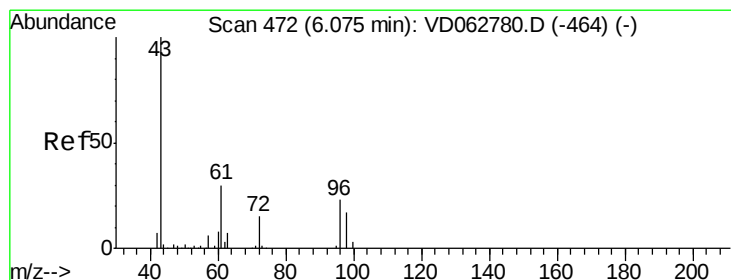
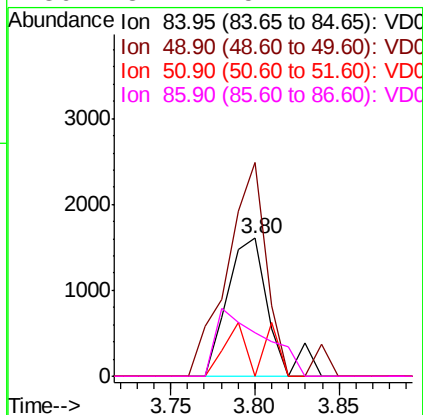
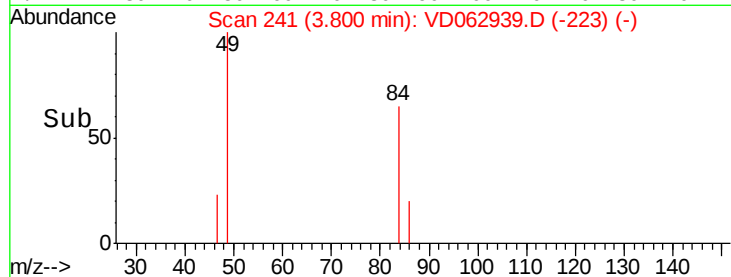
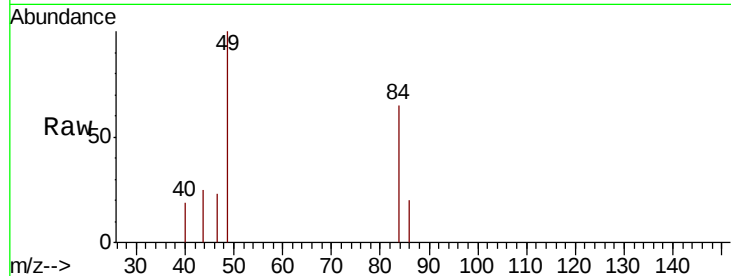
Ion Ratio Lower Upper

84 100

49 154.7 102.9 154.3#

51 0.0 31.2 46.8#

86 31.4 51.4 77.2#



#25

2-Butanone

Concen: 2.496 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD062939.D

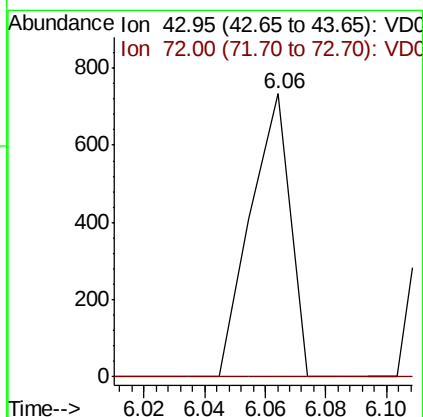
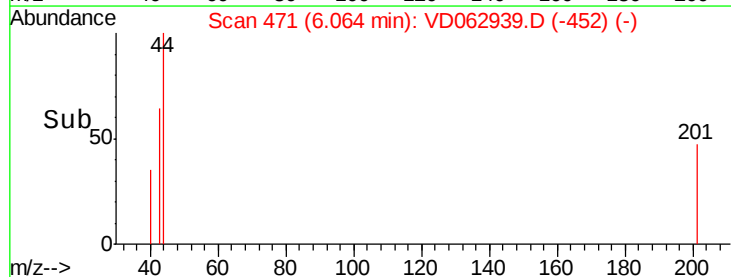
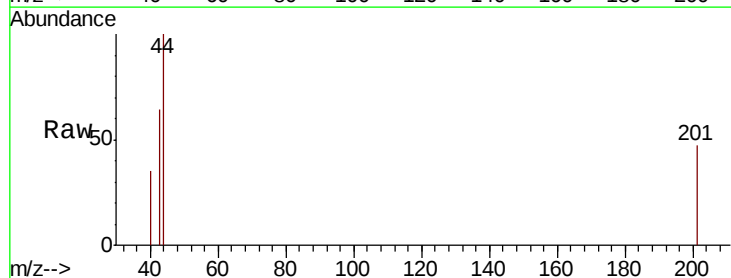
Acq: 27 Jun 2019 18:44

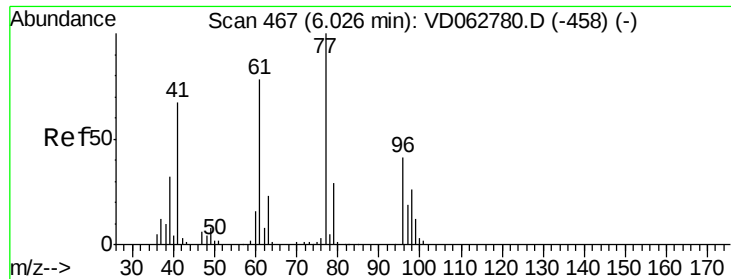
Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

72 0.0 11.9 17.9#





#26

2,2-Dichloropropane

Concen: 1.316 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.13 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

Instrument :

MSVOA_D

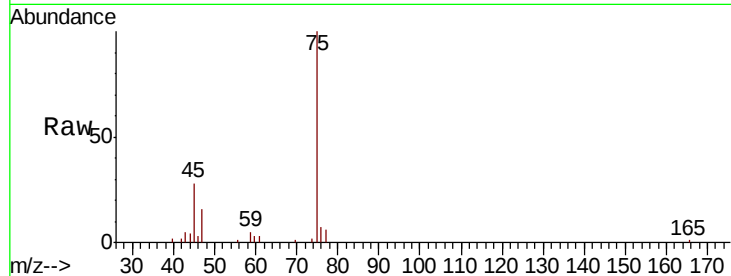
ClientSampleId :

Tot Ion: 77 Resp: 2877

Ion Ratio Lower Upper

77 100

97 0.0 9.5 28.5#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.15

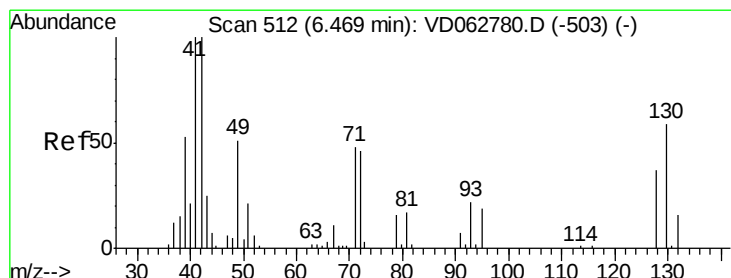
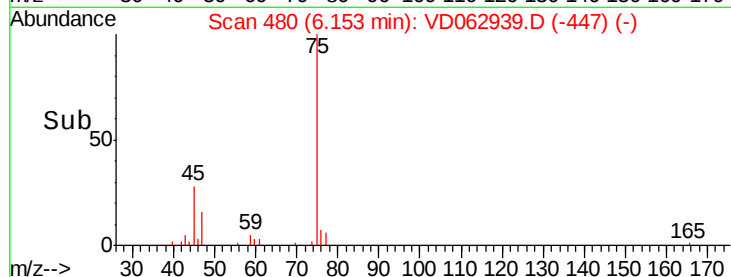
1500

1000

500

0

Time-->



#29

Tetrahydrofuran

Concen: 3.429 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

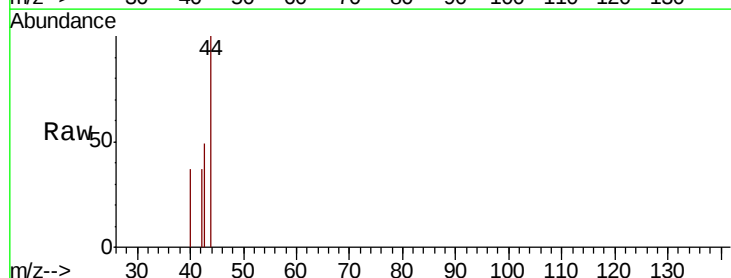
Tgt Ion: 42 Resp: 438

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.6#

71 48.6 33.3 49.9



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

6.44

1000

800

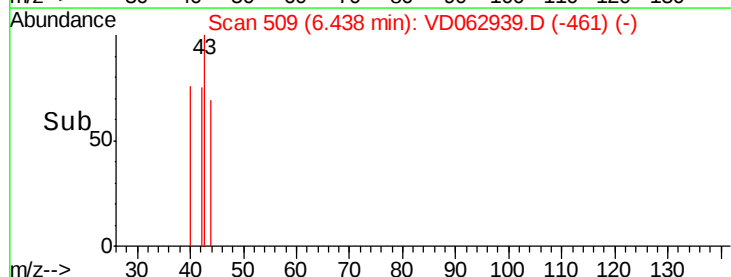
600

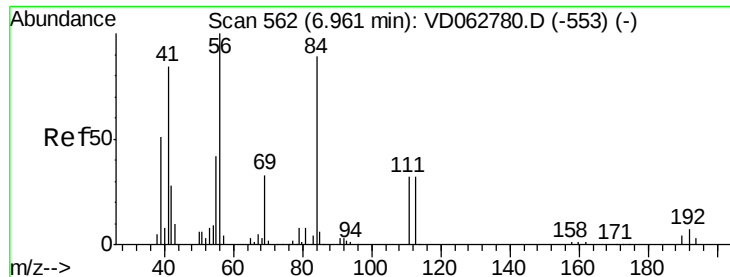
400

200

0

Time-->

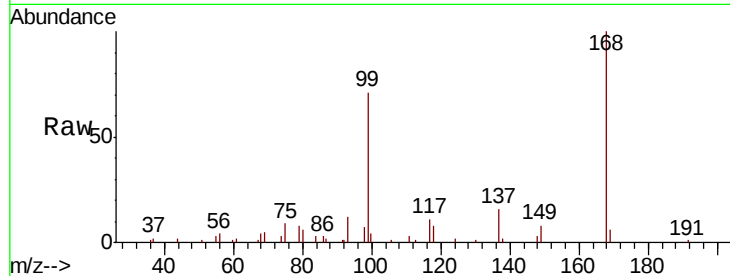




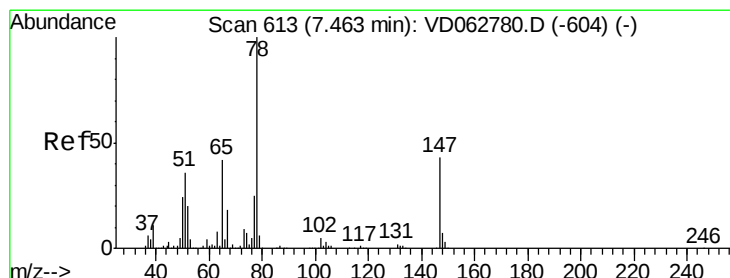
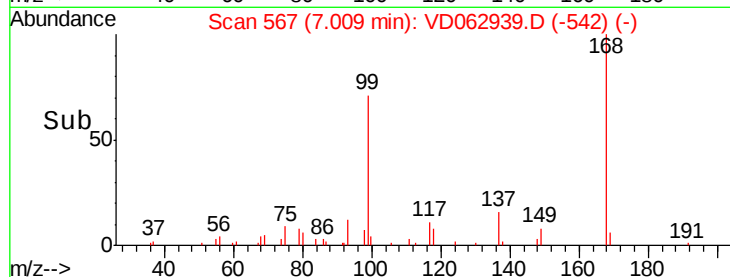
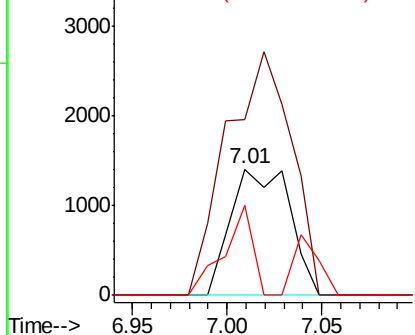
#31
Cyclohexane
Concen: 2.237 ug/l
RT: 7.01 min Scan# 567
Delta R.T. 0.05 min
Lab File: VD062939.D
Acq: 27 Jun 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3033
Ion Ratio Lower Upper
56 100
69 139.9 26.6 39.8#
84 71.0 75.5 113.3#

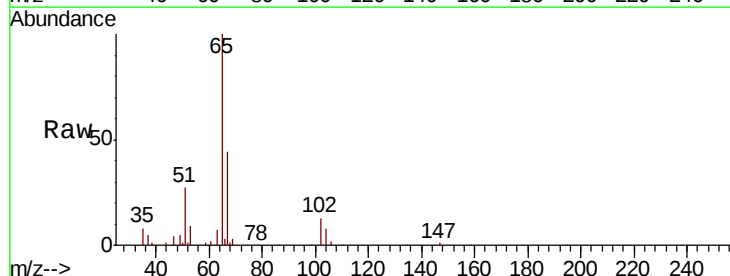


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

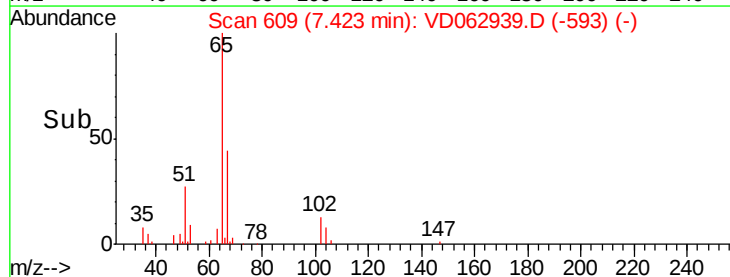
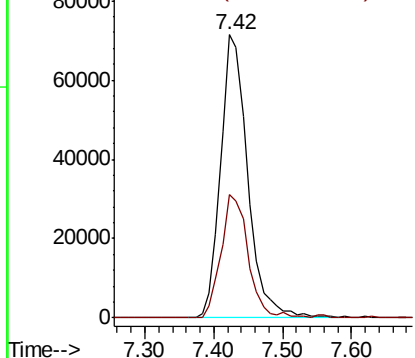


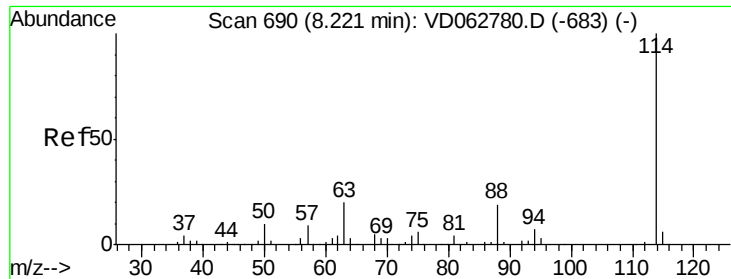
#33
1,2-Dichloroethane-d4
Concen: 134.854 ug/l
RT: 7.42 min Scan# 609
Delta R.T. -0.04 min
Lab File: VD062939.D
Acq: 27 Jun 2019 18:44

Tgt Ion: 65 Resp: 194668
Ion Ratio Lower Upper
65 100
67 43.7 0.0 87.4



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

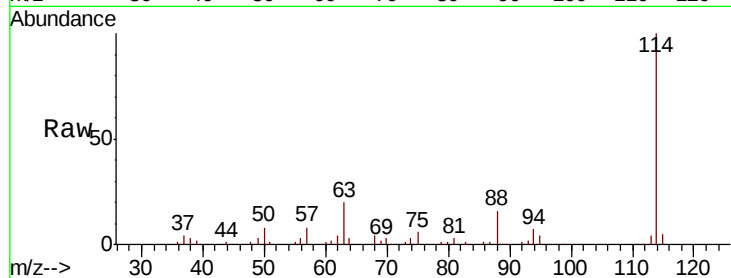




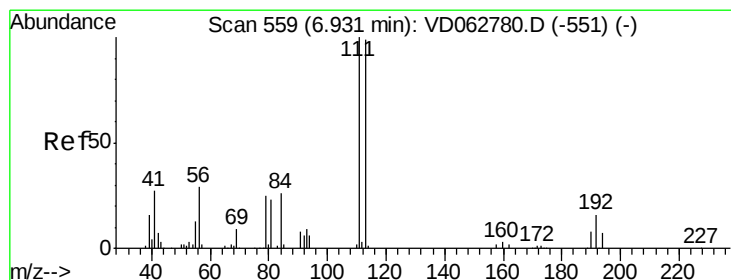
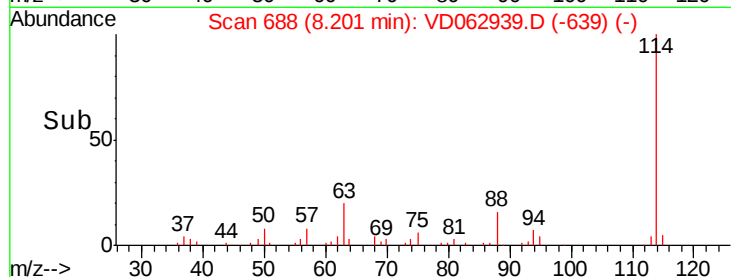
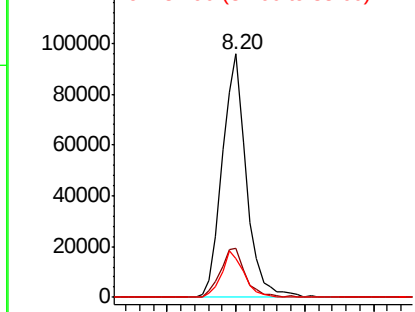
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062939.D
 Acq: 27 Jun 2019 18:44

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 231315
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.7 0.0 38.8

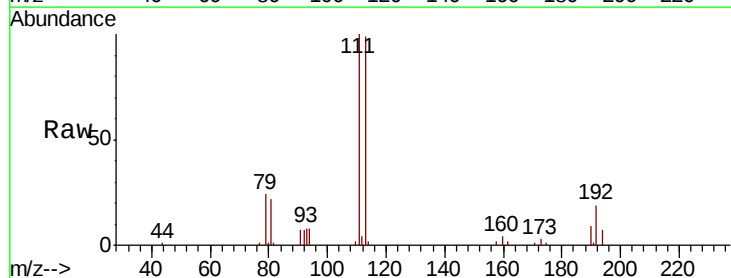


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

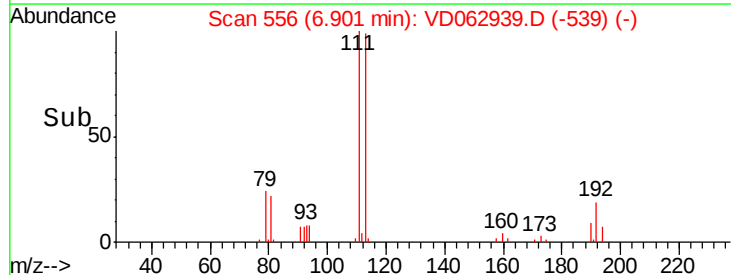
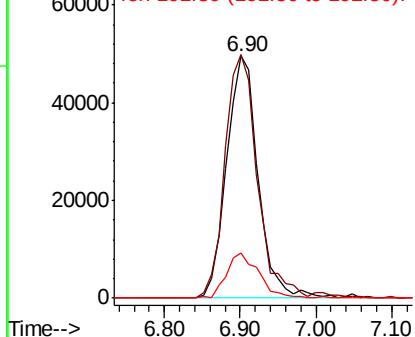


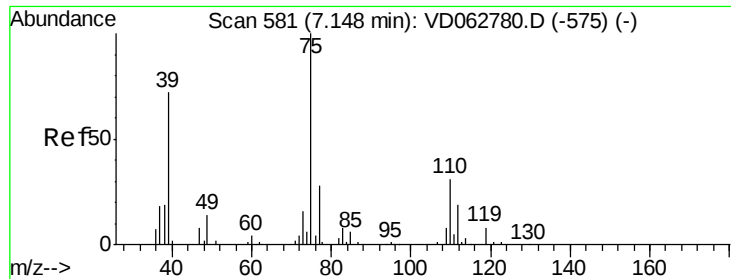
#35
 Dibromofluoromethane
 Concen: 72.565 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062939.D
 Acq: 27 Jun 2019 18:44

Tgt Ion:113 Resp: 141534
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.2 121.8
 192 18.8 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: 5.076 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.13 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

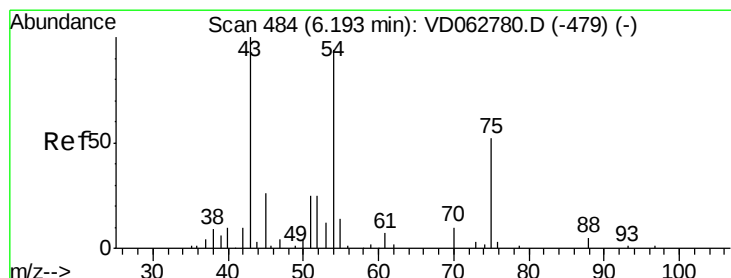
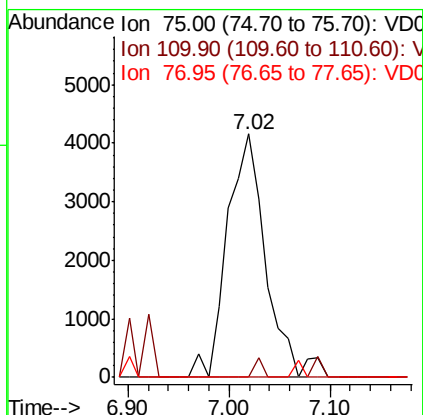
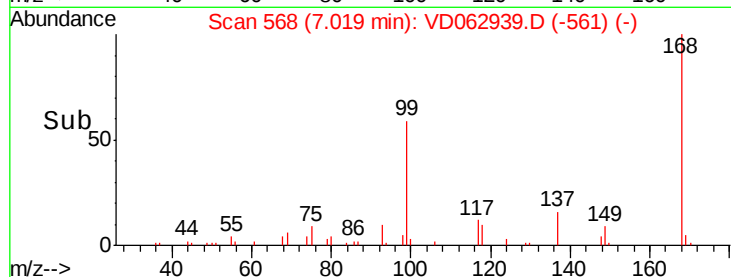
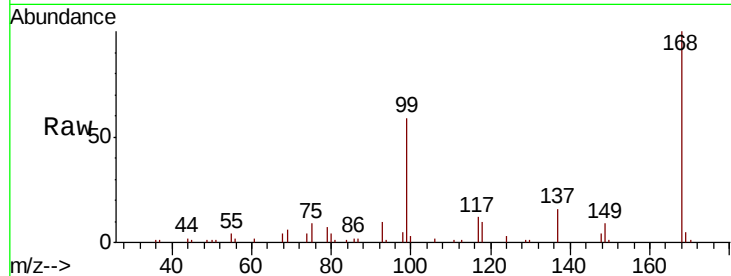
Tot Ion: 75 Resp: 11114

Ion Ratio Lower Upper

75 100

110 0.0 15.0 45.1#

77 0.0 22.2 33.2#



#37

Ethyl Acetate

Concen: 3.961 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.05 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

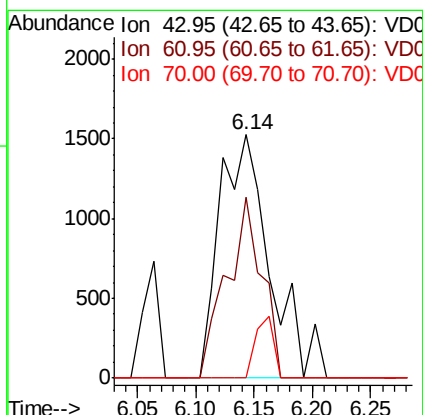
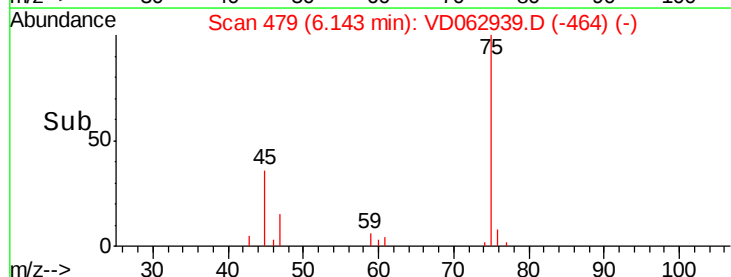
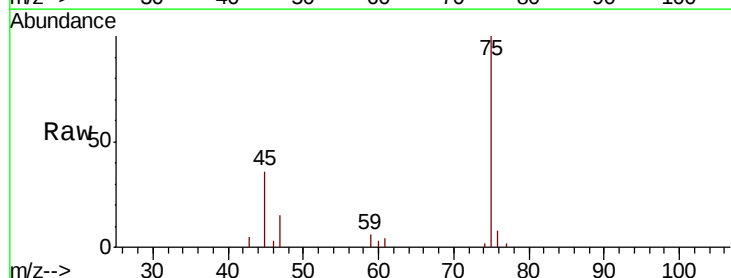
Tgt Ion: 43 Resp: 4576

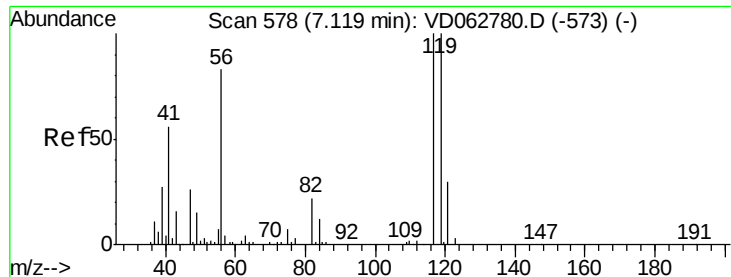
Ion Ratio Lower Upper

43 100

61 74.4 11.6 17.4#

70 0.0 6.4 9.6#

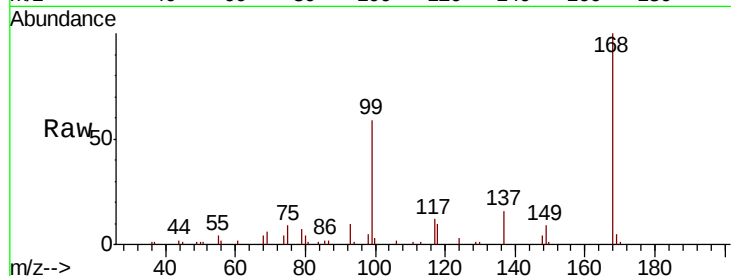




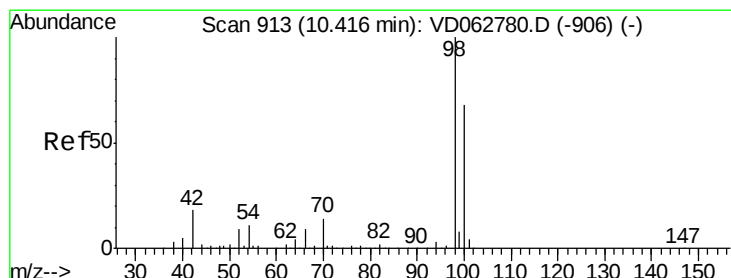
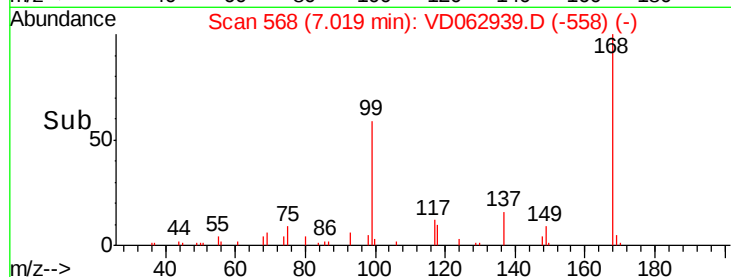
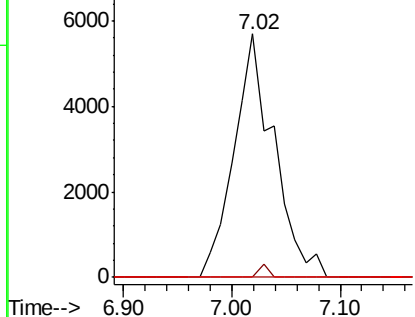
#38
Carbon Tetrachloride
Concen: 4.452 ug/l
RT: 7.02 min Scan# 568
Delta R.T. -0.10 min
Lab File: VD062939.D
Acq: 27 Jun 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 14662
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.2#
121 0.0 22.3 33.5#

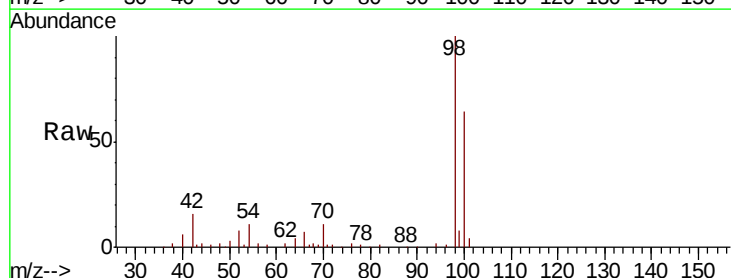


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

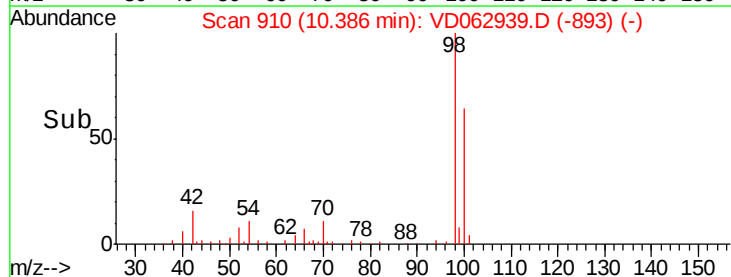
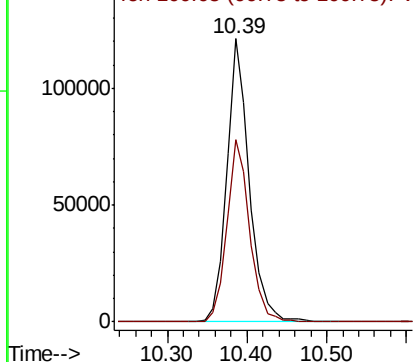


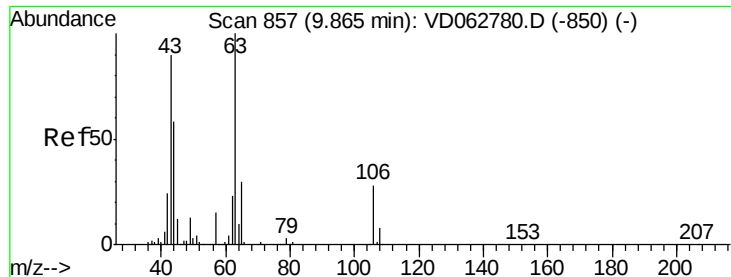
#50
Toluene-d8
Concen: 56.416 ug/l
RT: 10.39 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062939.D
Acq: 27 Jun 2019 18:44

Tgt Ion: 98 Resp: 239488
Ion Ratio Lower Upper
98 100
100 64.2 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V

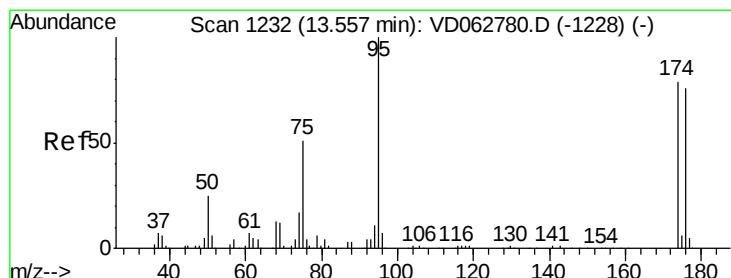
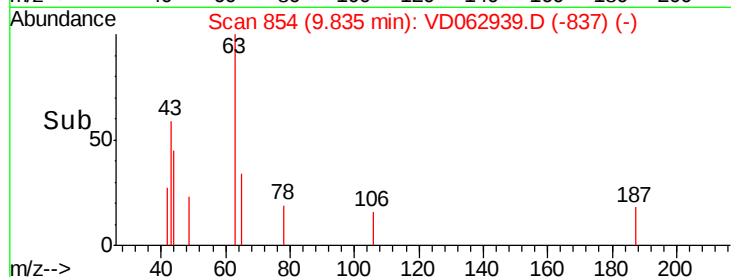
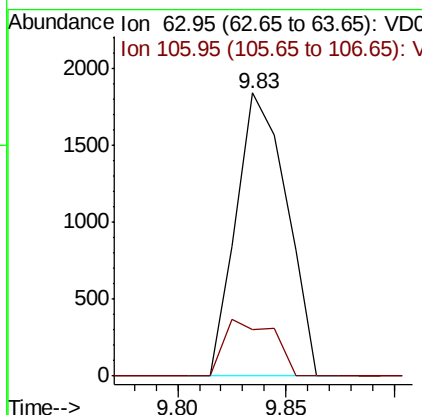
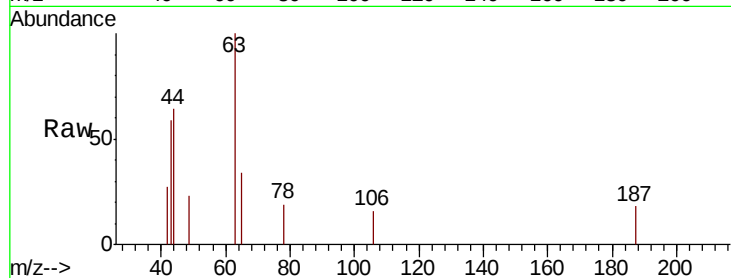




#58
 2-Chloroethyl Vinyl ether
 Concen: 5.387 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.03 min
 Lab File: VD062939.D
 Acq: 27 Jun 2019 18:44

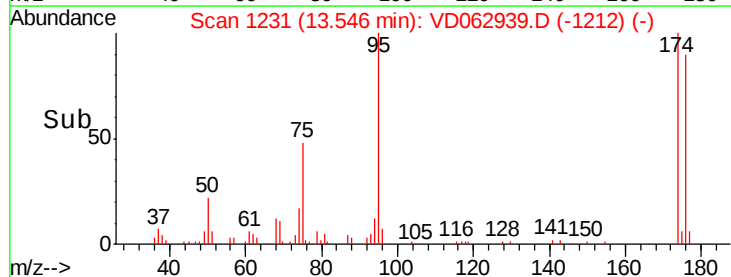
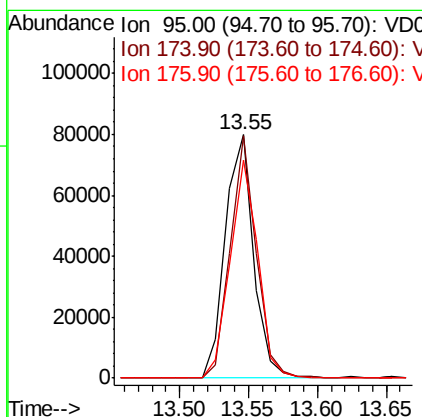
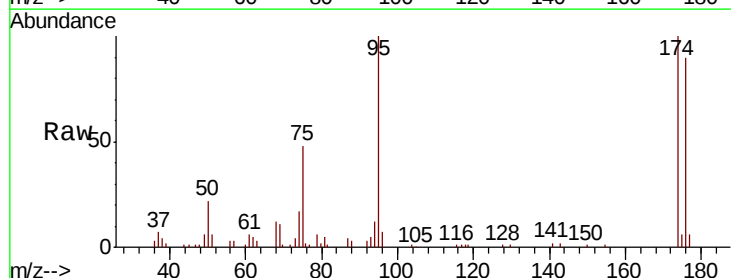
Instrument :
 MSVOA_D
 ClientSampleId :

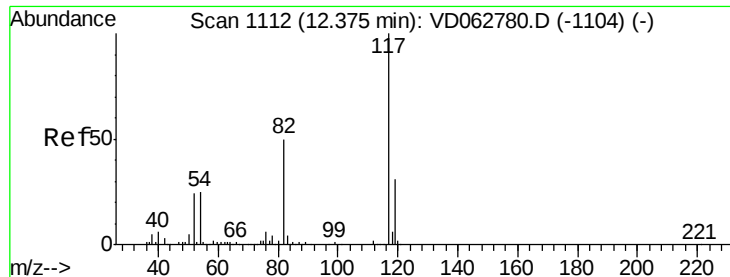
Tot Ion: 63 Resp: 3000
 Ion Ratio Lower Upper
 63 100
 106 16.5 22.1 33.1#



#62
 4-Bromofluorobenzene
 Concen: 58.822 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD062939.D
 Acq: 27 Jun 2019 18:44

Tgt Ion: 95 Resp: 113542
 Ion Ratio Lower Upper
 95 100
 174 99.7 0.0 158.0
 176 89.7 0.0 151.6

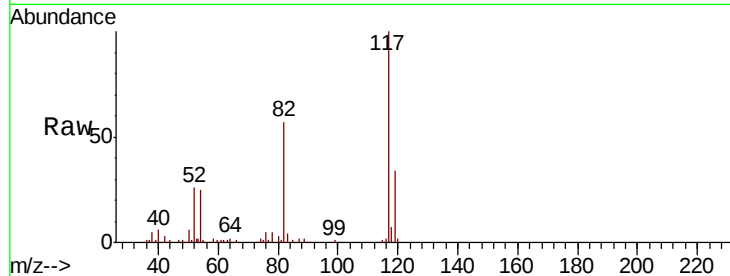




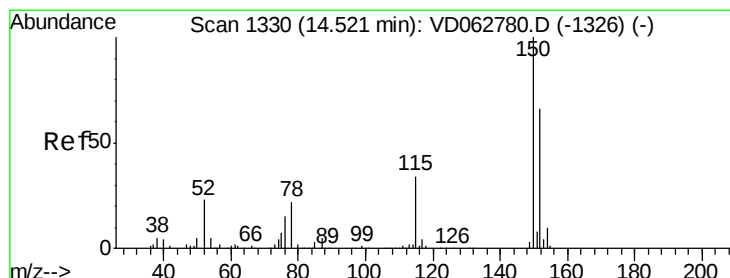
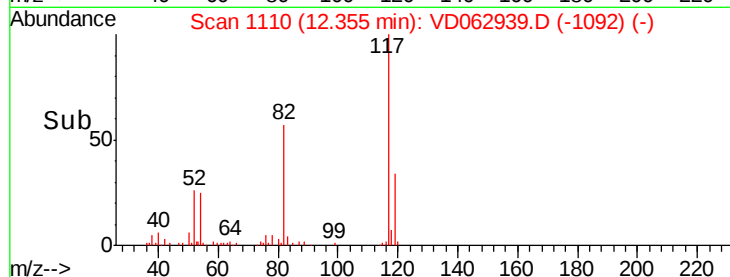
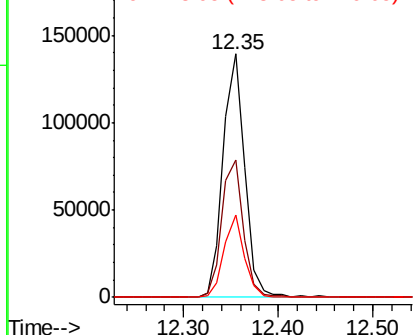
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062939.D
Acq: 27 Jun 2019 18:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 220930
Ion Ratio Lower Upper
117 100
82 56.6 40.4 60.6
119 34.0 25.2 37.8

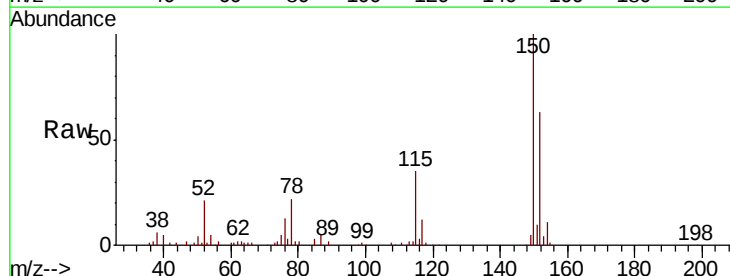


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

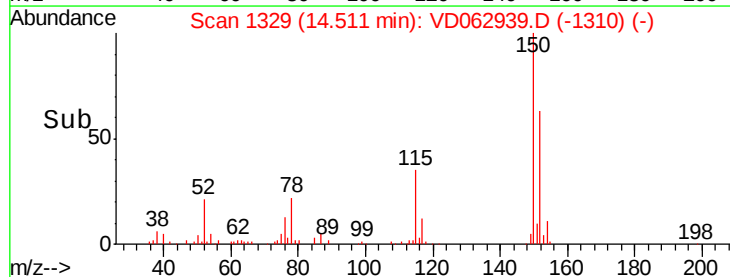
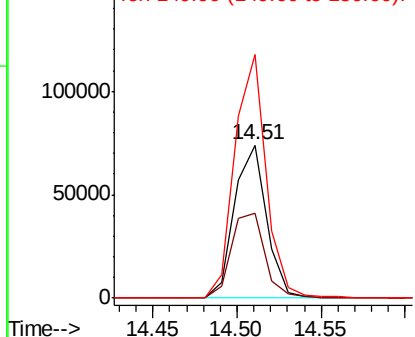


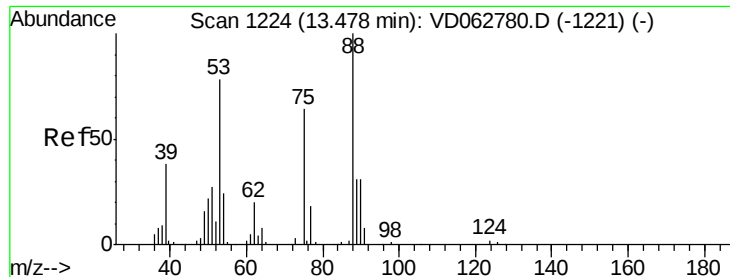
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062939.D
Acq: 27 Jun 2019 18:44

Tgt Ion:152 Resp: 98012
Ion Ratio Lower Upper
152 100
115 55.7 29.2 87.6
150 159.4 0.0 305.8



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: 202.611 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

Instrument :

MSVOA_D

ClientSampleId :

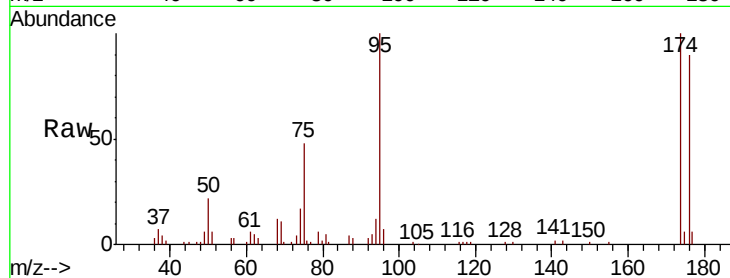
Tot Ion: 75 Resp: 60083

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

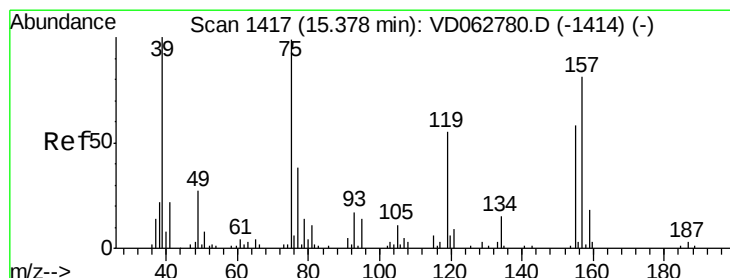
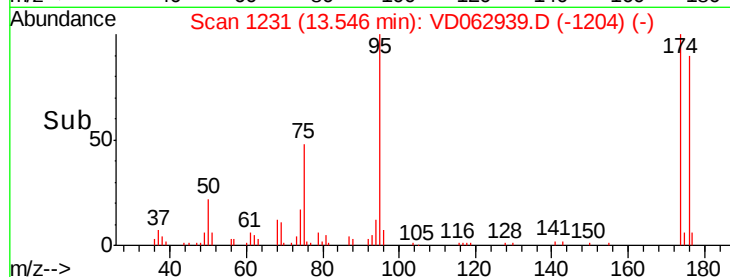
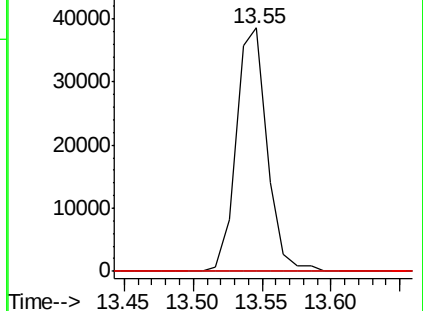
89 0.0 39.4 59.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.641 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VD062939.D

Acq: 27 Jun 2019 18:44

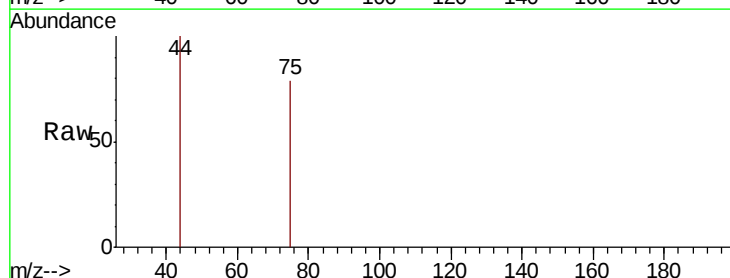
Tgt Ion: 75 Resp: 328

Ion Ratio Lower Upper

75 100

155 0.0 29.3 87.8#

157 0.0 41.3 123.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

