

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062973.D
 Acq On : 28 Jun 2019 18:32
 Operator : VA/AP
 Sample : K3555-01
 Misc : 5.37g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-17

Quant Time: Jun 29 00:16:42 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	531910	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.20	114	706599	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.35	117	520985	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	219719	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	390924	67.61	ug/l	-0.03
Spiked Amount			Recovery	=	135.22%	
35) Dibromofluoromethane	6.90	113	136628	22.93	ug/l	-0.03
Spiked Amount			Recovery	=	45.86%	
50) Toluene-d8	10.38	98	693203	53.46	ug/l	-0.03
Spiked Amount			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	13.54	95	241847	41.02	ug/l	-0.01
Spiked Amount			Recovery	=	82.04%	

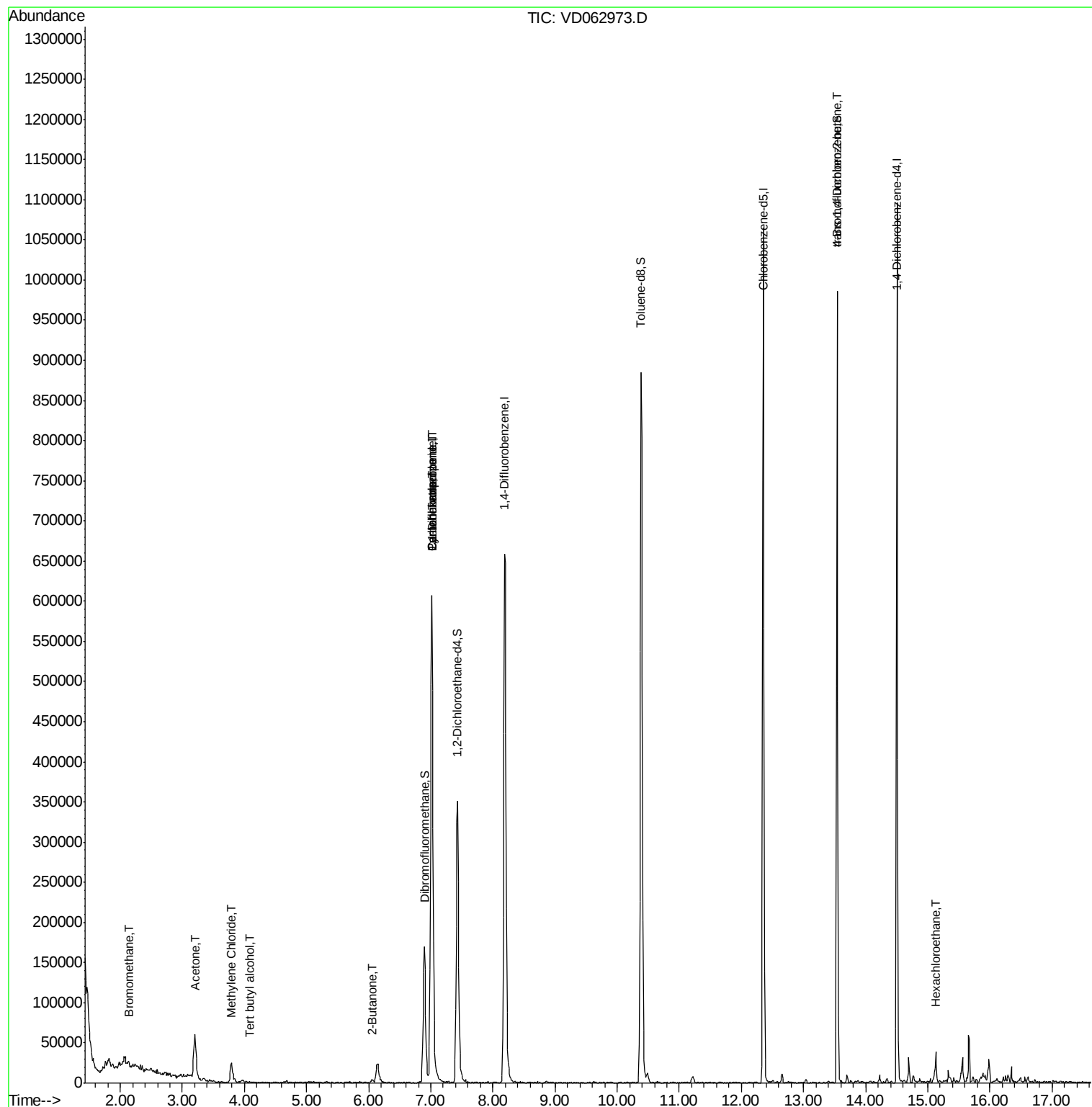
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	4351	1.810	ug/l #	13
11) Tert butyl alcohol	4.08	59	439	1.667	ug/l #	77
16) Acetone	3.21	43	116374	94.914	ug/l	96
20) Methylene Chloride	3.78	84	16708	3.789	ug/l #	93
25) 2-Butanone	6.05	43	5926	5.480	ug/l	100
31) Cyclohexane	7.02	56	13700	2.523	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	44406	6.639	ug/l #	55
37) Ethyl Acetate	6.11	43	2325	Below Cal	#	69
38) Carbon Tetrachloride	7.02	117	56275	5.594	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.54	75	120900	181.865	ug/l #	2
90) Hexachloroethane	15.13	117	9804	2.780	ug/l #	9

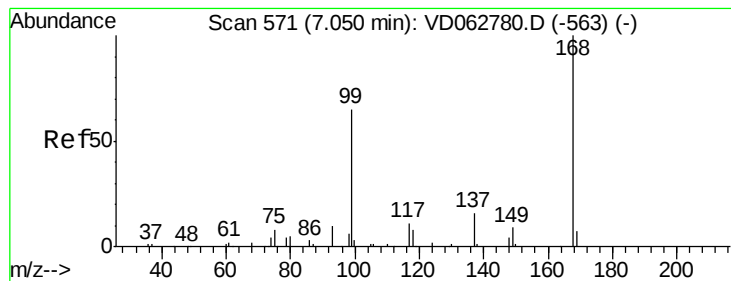
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062819\
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Quant Title : SW846 8260
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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: VD062973.D

Acq: 28 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

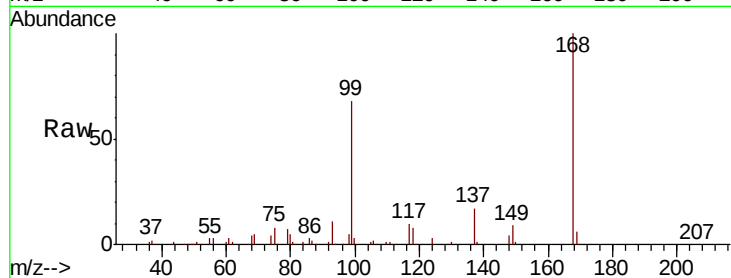
SAMPLE-17

Tot Ion:168 Resp: 531910

Ion Ratio Lower Upper

168 100

99 67.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

200000

150000

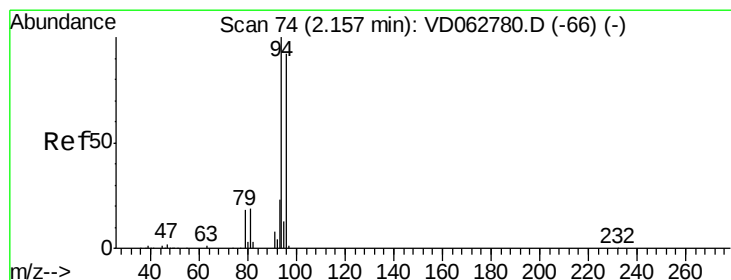
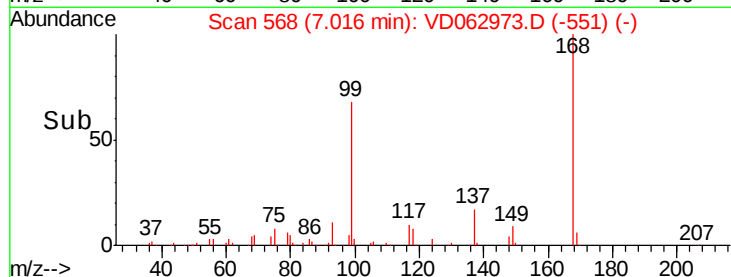
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.810 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD062973.D

Acq: 28 Jun 2019 18:32

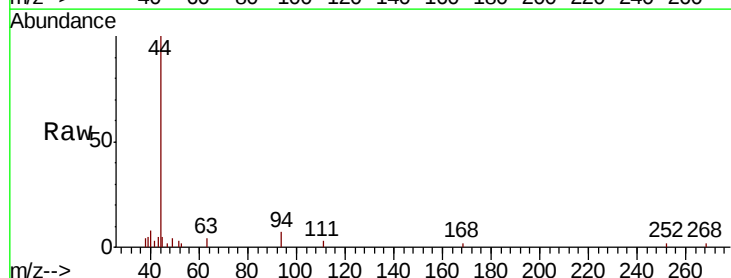
Tgt Ion: 94 Resp: 4351

Ion Ratio Lower Upper

94 100

96 0.0 73.4 110.2#

93 0.0 18.2 27.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.14

1500

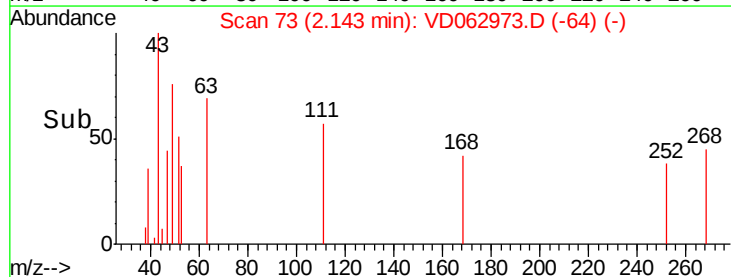
1000

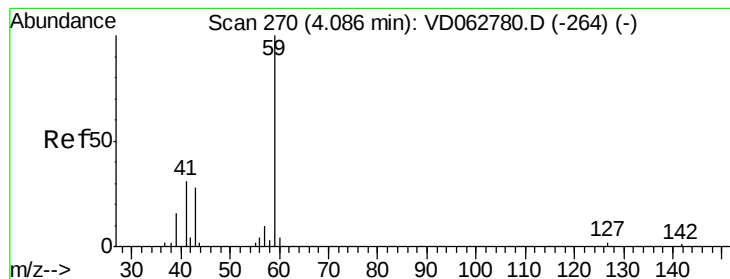
500

0

Time-->

2.05 2.10 2.15 2.20





#11

Tert butyl alcohol

Concen: 1.667 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD062973.D

Acq: 28 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

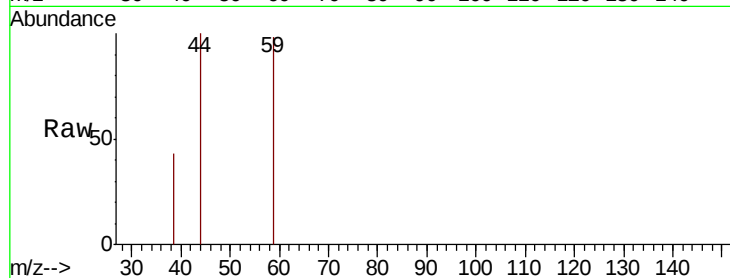
SAMPLE-17

Tot Ion: 59 Resp: 439

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

4.08

800

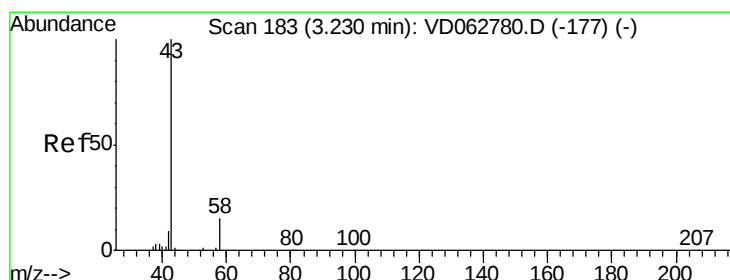
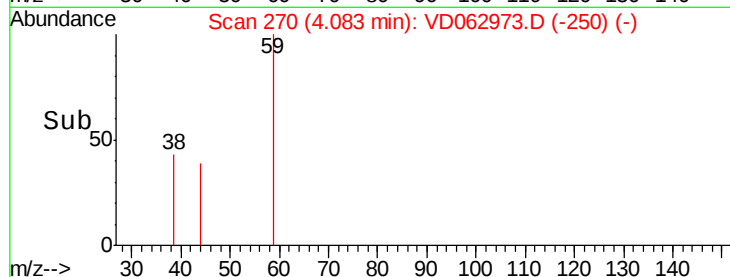
600

400

200

0

Time--> 4.06 4.08 4.10



#16

Acetone

Concen: 94.914 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062973.D

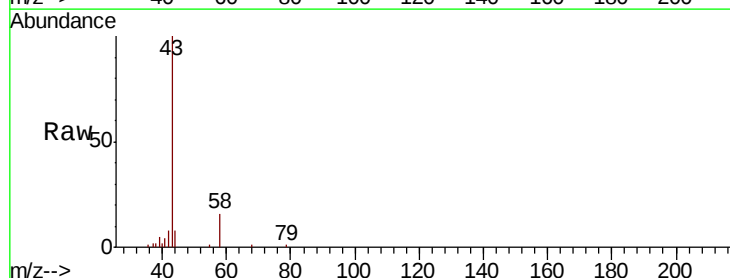
Acq: 28 Jun 2019 18:32

Tgt Ion: 43 Resp: 116374

Ion Ratio Lower Upper

43 100

58 16.4 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

40000

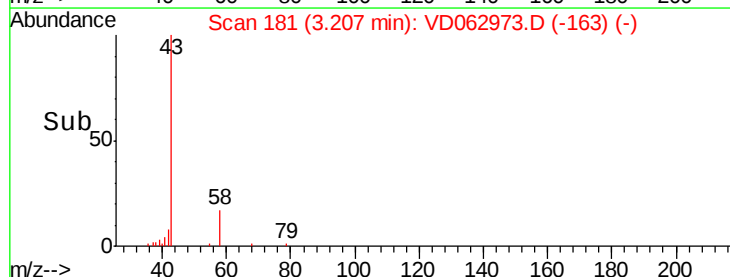
30000

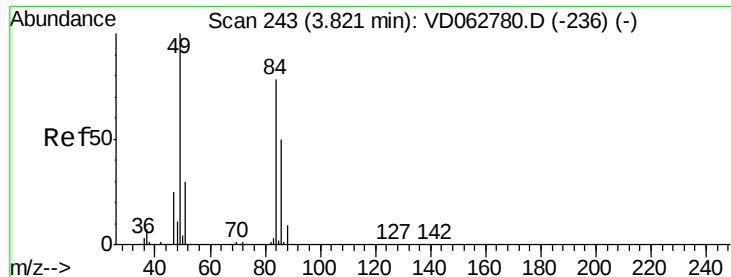
20000

10000

0

Time--> 3.10 3.20 3.30

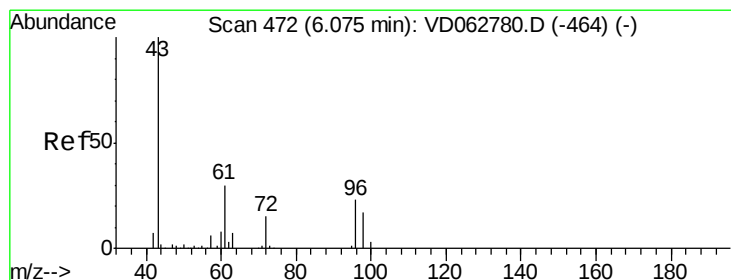
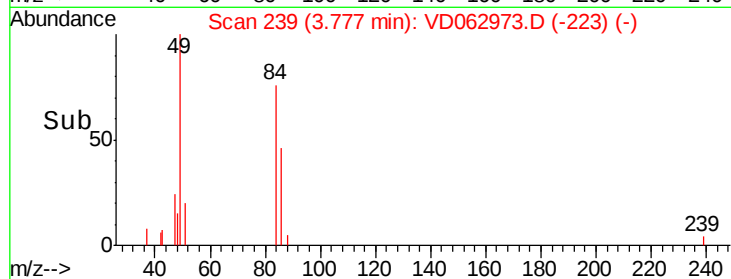
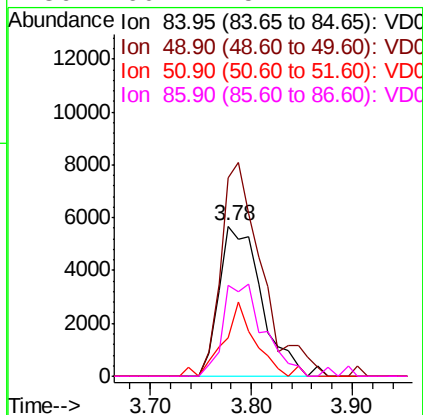
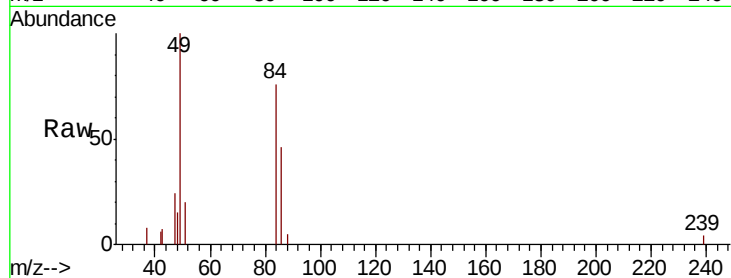




#20
Methvlene Chloride
Concen: 3.789 ug/l
RT: 3.78 min Scan# 239
Delta R.T. -0.04 min
Lab File: VD062973.D
Acq: 28 Jun 2019 18:32

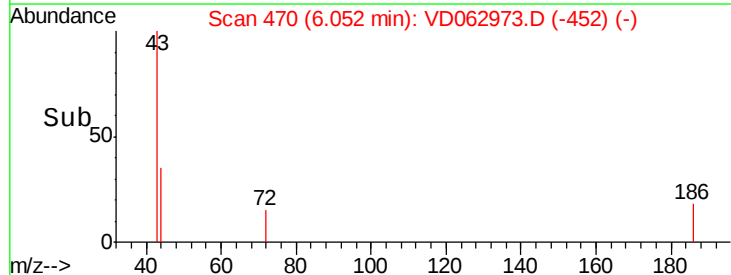
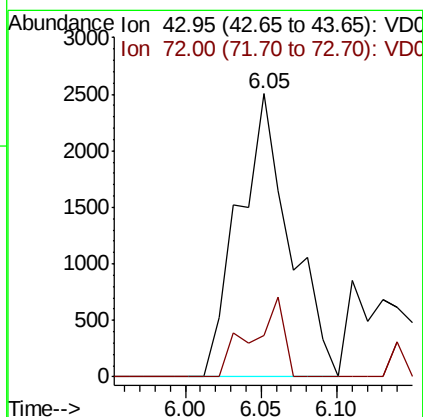
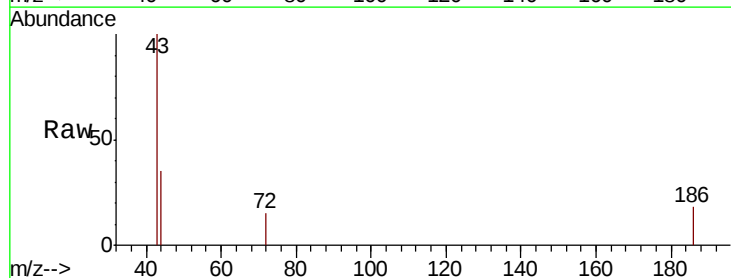
Instrument :
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SAMPLE-17

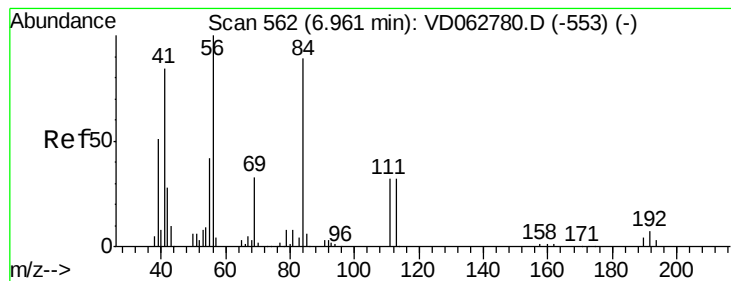
Tot Ion: 84 Resp: 16708
Ion Ratio Lower Upper
84 100
49 132.4 102.9 154.3
51 25.9 31.2 46.8#
86 60.7 51.4 77.2



#25
2-Butanone
Concen: 5.480 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.02 min
Lab File: VD062973.D
Acq: 28 Jun 2019 18:32

Tgt Ion: 43 Resp: 5926
Ion Ratio Lower Upper
43 100
72 14.8 11.9 17.9





#31

Cyclohexane

Concen: 2.523 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.06 min

Lab File: VD062973.D

Acq: 28 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-17

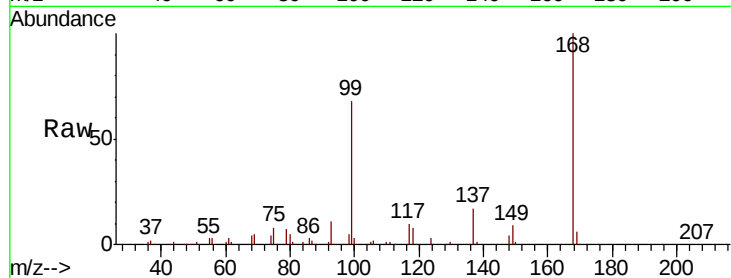
Tot Ion: 56 Resp: 13700

Ion Ratio Lower Upper

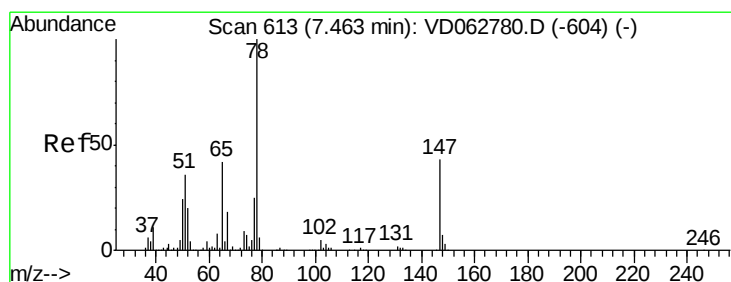
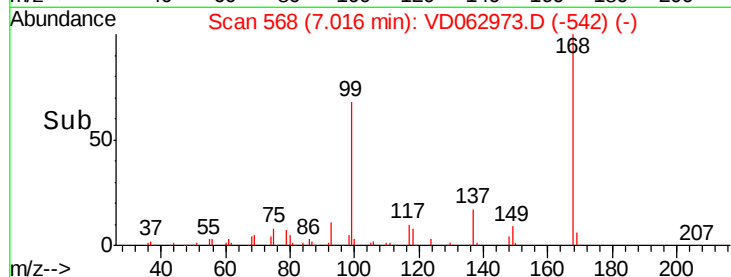
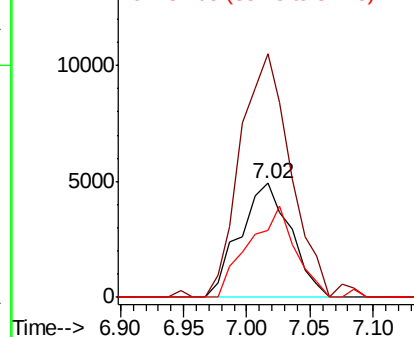
56 100

69 213.9 26.6 39.8#

84 58.7 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: 67.613 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.03 min

Lab File: VD062973.D

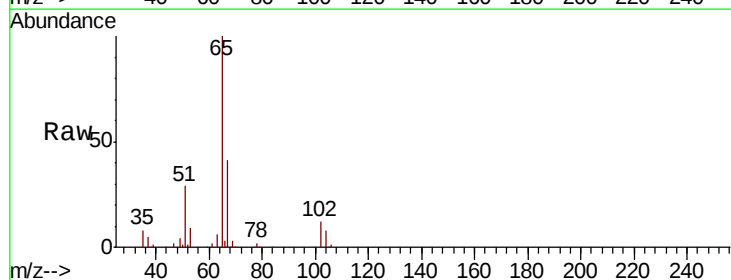
Acq: 28 Jun 2019 18:32

Tgt Ion: 65 Resp: 390924

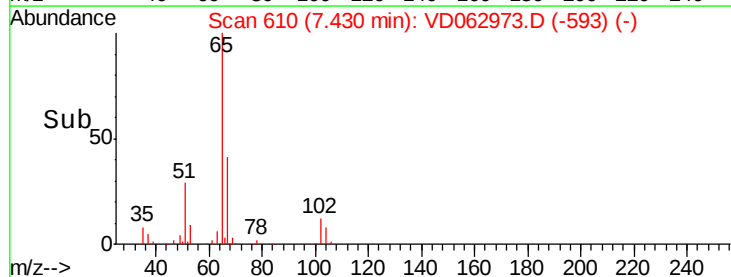
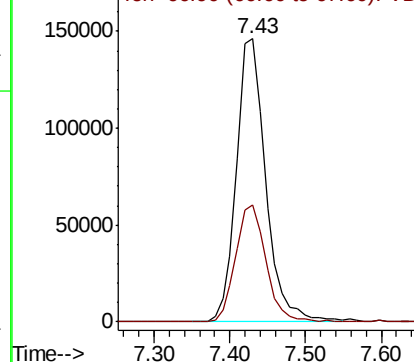
Ion Ratio Lower Upper

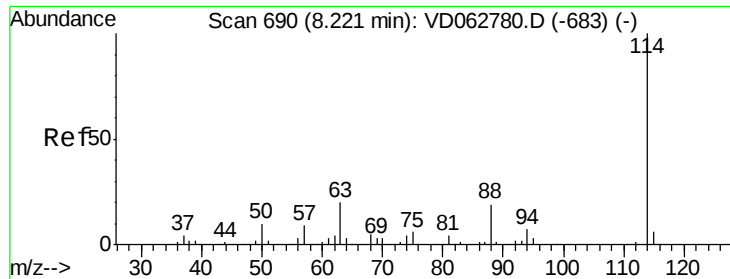
65 100

67 41.2 0.0 87.4



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

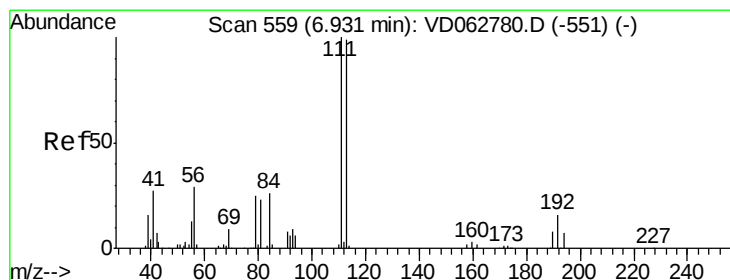
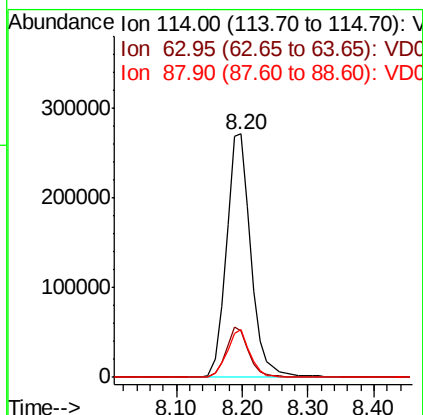
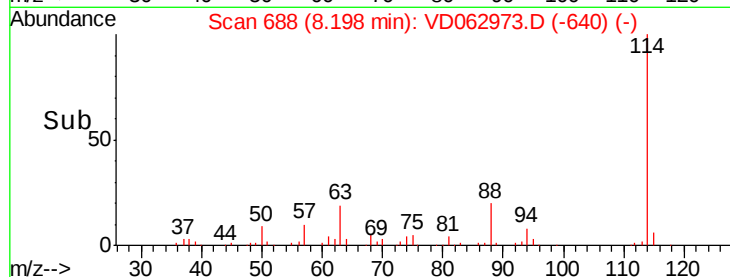
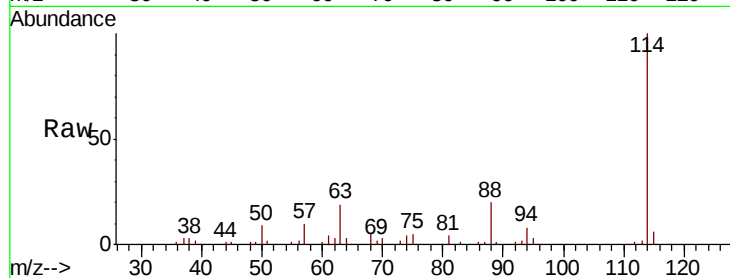




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VD062973.D
 Acq: 28 Jun 2019 18:32

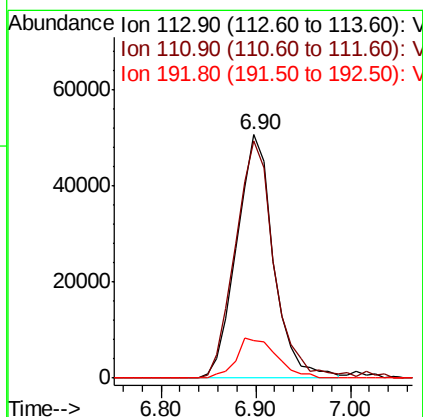
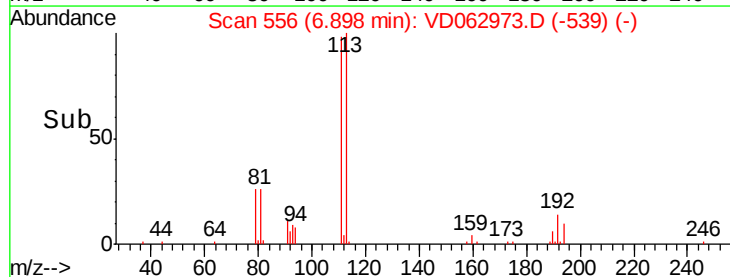
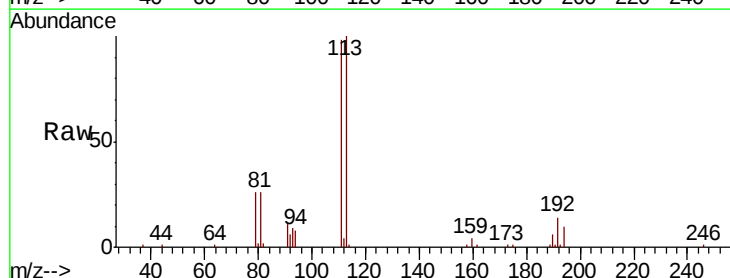
Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-17

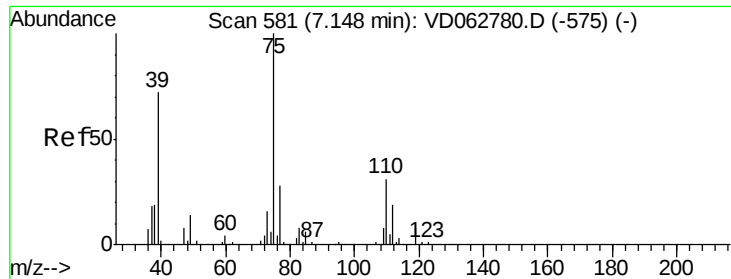
Tot Ion:	114	Resp:	706599
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.0
88	19.6	0.0	38.8



#35
 Dibromofluoromethane
 Concen: 22.932 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. -0.03 min
 Lab File: VD062973.D
 Acq: 28 Jun 2019 18:32

Tgt Ion:	113	Resp:	136628
Ion	Ratio	Lower	Upper
113	100		
111	97.5	81.2	121.8
192	15.6	12.9	19.3





#36

1,1-Dichloropropene

Concen: 6.639 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.13 min

Lab File: VD062973.D

Acq: 28 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-17

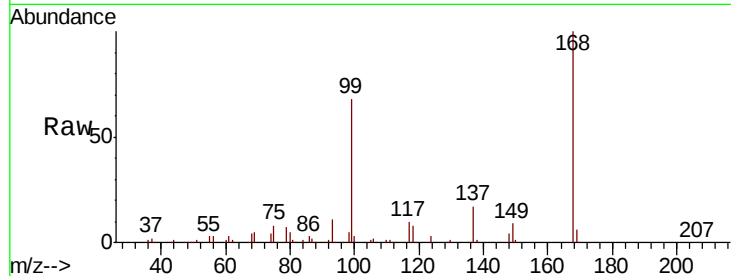
Tot Ion: 75 Resp: 44406

Ion Ratio Lower Upper

75 100

110 9.2 15.0 45.1#

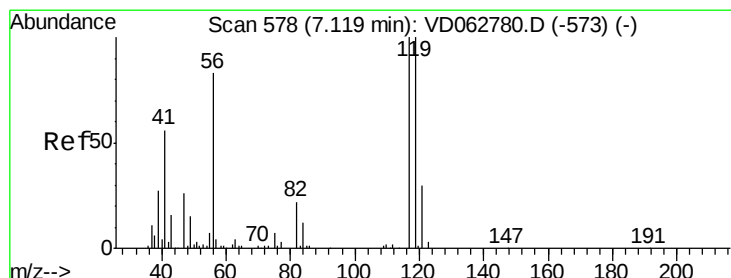
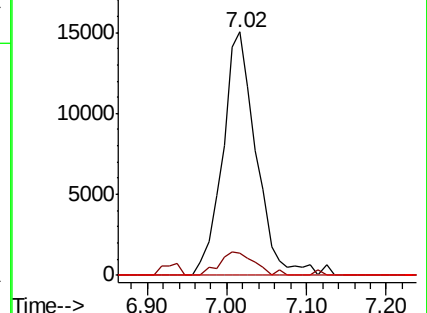
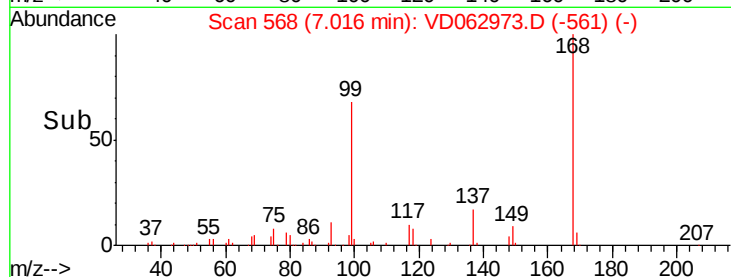
77 0.0 22.2 33.2#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 5.594 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.10 min

Lab File: VD062973.D

Acq: 28 Jun 2019 18:32

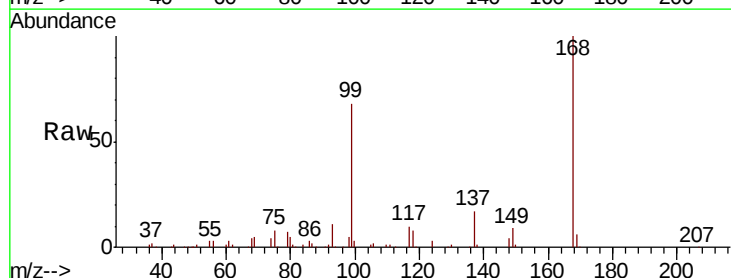
Tgt Ion: 117 Resp: 56275

Ion Ratio Lower Upper

117 100

119 2.3 75.4 113.2#

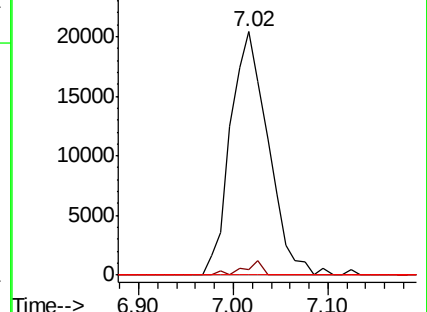
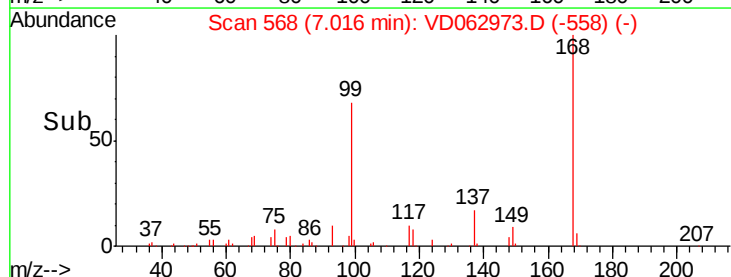
121 0.0 22.3 33.5#

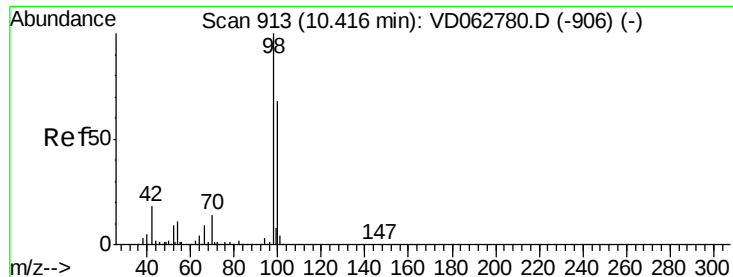


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

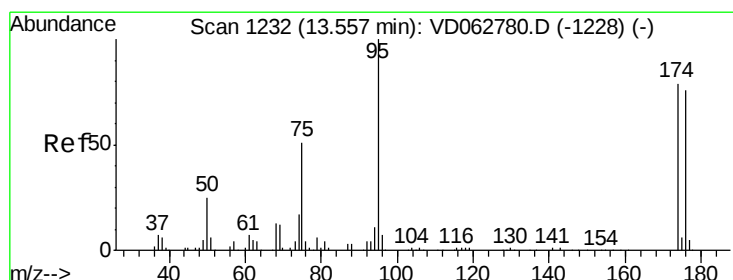
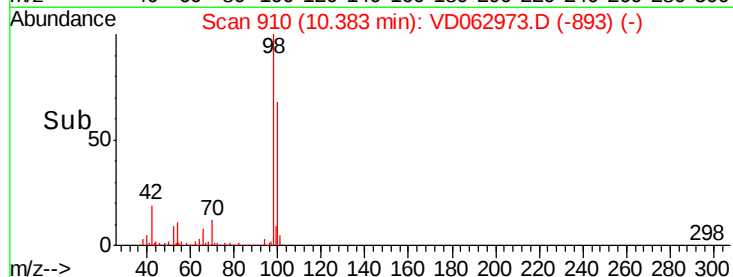
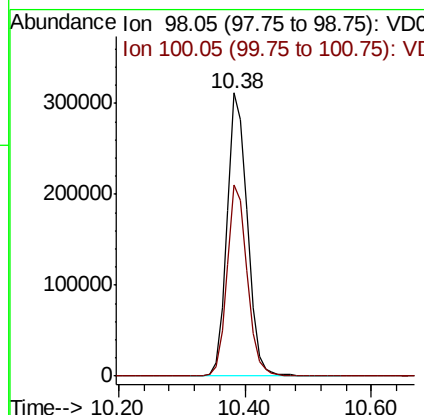
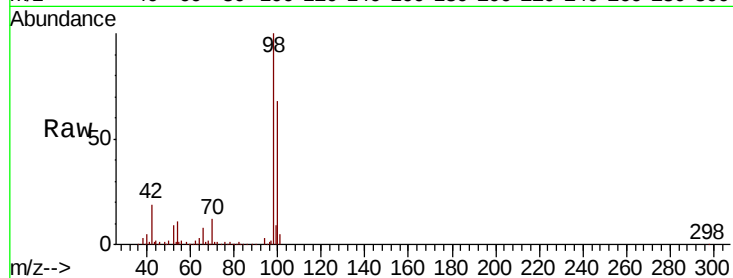




#50
Toluene-d8
Concen: 53.457 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.03 min
Lab File: VD062973.D
Acq: 28 Jun 2019 18:32

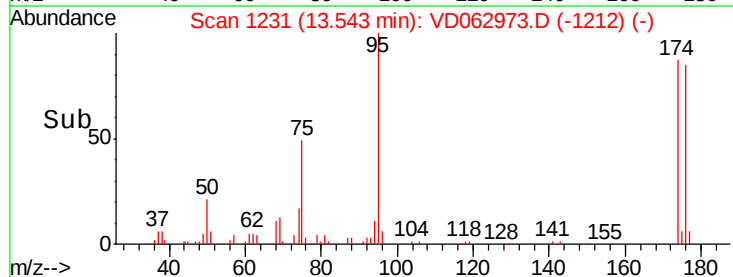
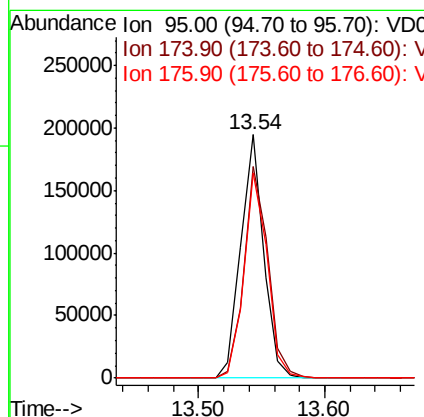
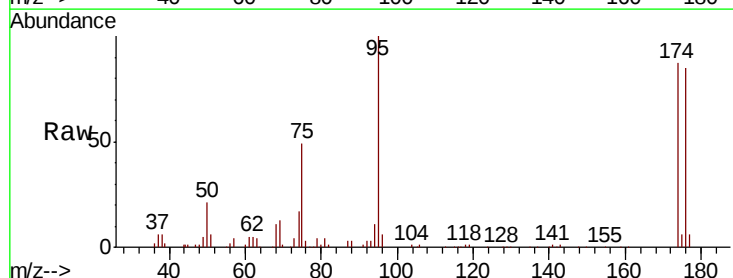
Instrument :
MSVOA_D
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SAMPLE-17

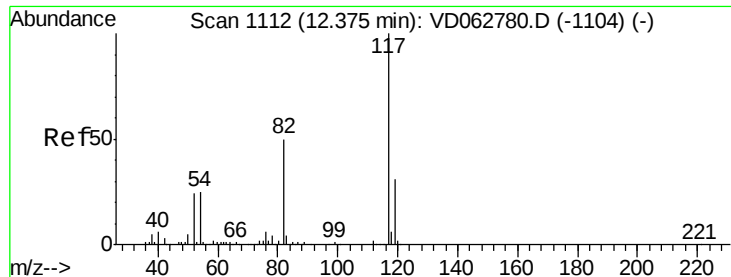
Tot Ion: 98 Resp: 693203
Ion Ratio Lower Upper
98 100
100 67.7 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 41.016 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062973.D
Acq: 28 Jun 2019 18:32

Tgt Ion: 95 Resp: 241847
Ion Ratio Lower Upper
95 100
174 87.1 0.0 158.0
176 84.5 0.0 151.6

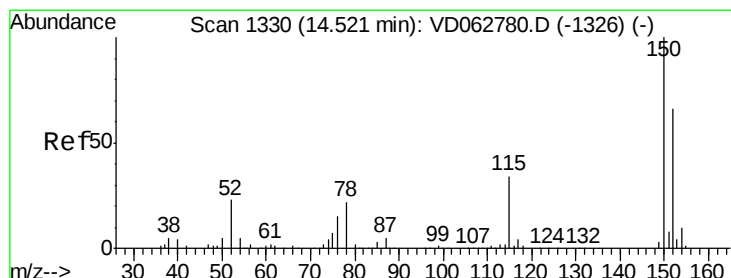
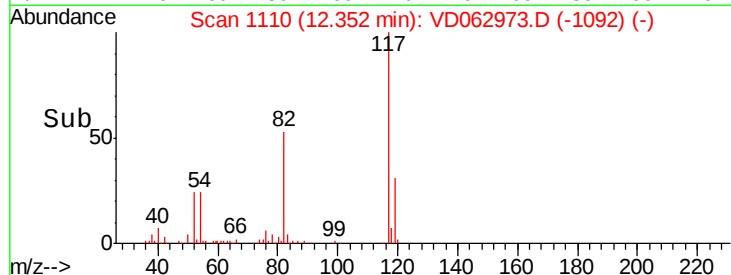
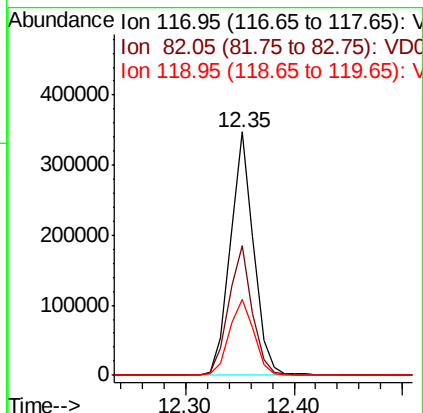
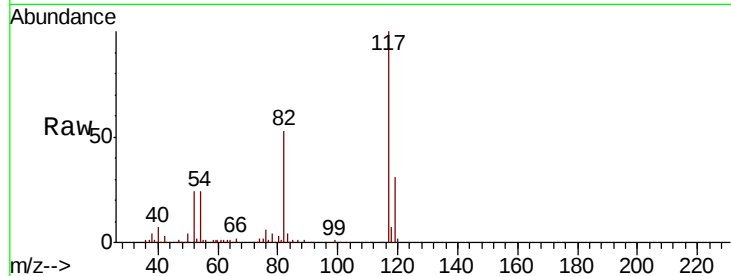




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062973.D
Acq: 28 Jun 2019 18:32

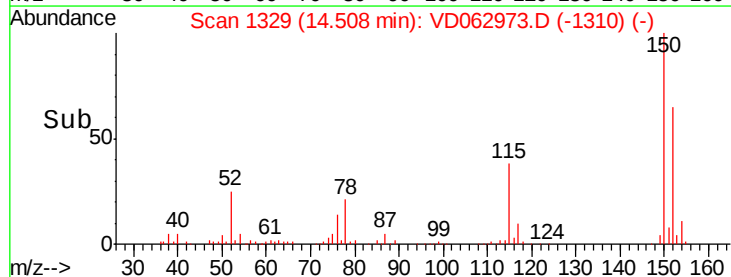
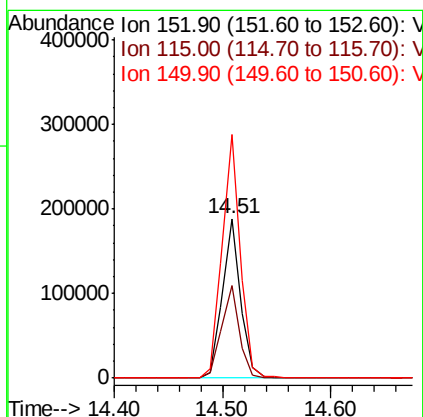
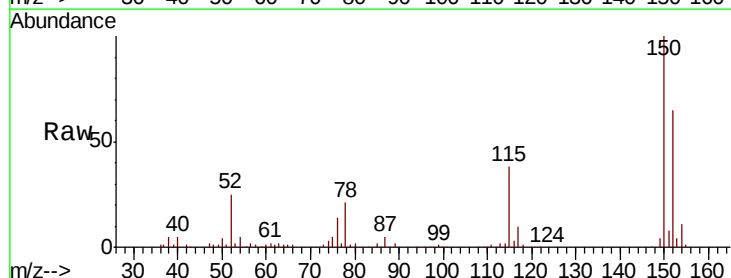
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-17

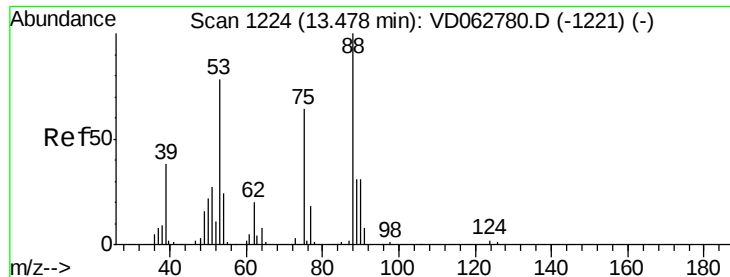
Tot Ion:117 Resp: 520985
Ion Ratio Lower Upper
117 100
82 53.2 40.4 60.6
119 31.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062973.D
Acq: 28 Jun 2019 18:32

Tgt Ion:152 Resp: 219719
Ion Ratio Lower Upper
152 100
115 58.4 29.2 87.6
150 153.0 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 181.865 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062973.D

Acq: 28 Jun 2019 18:32

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-17

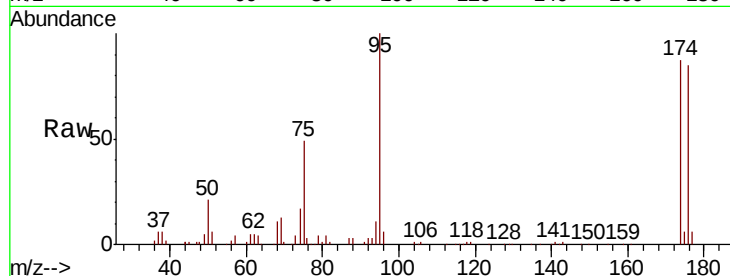
Tot Ion: 75 Resp: 120900

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

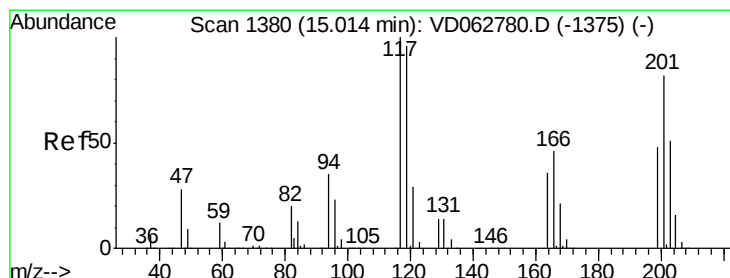
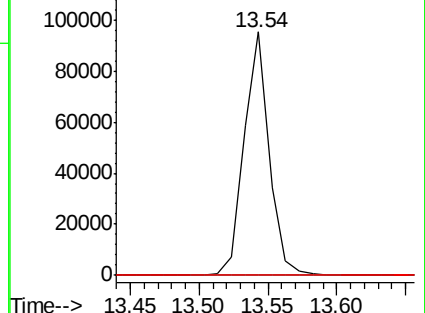
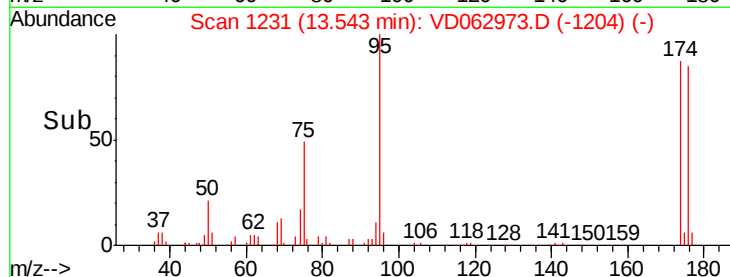
89 0.0 39.4 59.2#



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



#90

Hexachloroethane

Concen: 2.780 ug/l

RT: 15.13 min Scan# 1392

Delta R.T. 0.11 min

Lab File: VD062973.D

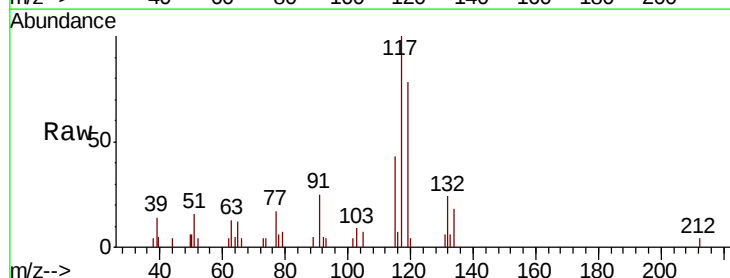
Acq: 28 Jun 2019 18:32

Tgt Ion: 117 Resp: 9804

Ion Ratio Lower Upper

117 100

201 0.0 40.8 122.2#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

