

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063458.D
 Acq On : 9 Aug 2019 2:03
 Operator : JC/SY
 Sample : K4223-24
 Misc : 3.70g/5ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12

Quant Time: Aug 09 07:03:42 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	7.07	168	15541	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	25972	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	18338	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	7856	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	12912	74.88	ug/l	0.02
Spiked Amount	50.000		Recovery	=	149.76%	
35) Dibromofluoromethane	6.93	113	6181	27.87	ug/l	0.02
Spiked Amount	50.000		Recovery	=	55.74%	
50) Toluene-d8	10.42	98	15529	31.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	62.58%	
62) 4-Bromofluorobenzene	13.56	95	8258	36.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.04%	

Target Compounds						Qvalue
3) Chloromethane	1.75	50	697	4.722	ug/l #	46
4) Vinyl Chloride	1.86	62	194	1.270	ug/l #	45
5) Bromomethane	2.16	94	1571	20.387	ug/l #	12
6) Chloroethane	2.24	64	818	11.596	ug/l #	45
12) 1,1-Dichloroethene	3.10	96	307	2.547	ug/l #	1
13) Acrolein	3.05	56	272	37.347	ug/l #	1
14) Allyl chloride	3.45	41	645	3.359	ug/l #	11
16) Acetone	3.24	43	11147	331.771	ug/l	98
18) Methyl Acetate	3.65	43	609	9.436	ug/l #	60
20) Methylene Chloride	3.84	84	530	3.903	ug/l #	50
23) Vinyl Acetate	5.13	43	265	1.124	ug/l #	82
25) 2-Butanone	6.08	43	2866	84.997	ug/l #	56
29) Tetrahydrofuran	6.49	42	234	14.658	ug/l #	34
36) 1,1-Dichloropropene	7.07	75	1818	7.670	ug/l #	44
37) Ethyl Acetate	6.19	43	549	5.156	ug/l #	70
38) Carbon Tetrachloride	7.05	117	897	2.514	ug/l #	11
41) Methacrylonitrile	6.57	41	210	1.649	ug/l #	40
43) Isopropyl Acetate	9.28	43	180	1.323	ug/l #	49
46) Dibromomethane	8.92	93	193	1.838	ug/l #	1
51) 4-Methyl-2-Pentanone	10.30	43	436	4.713	ug/l #	42
52) Toluene	10.52	92	491	1.486	ug/l #	1
56) Ethyl methacrylate	11.07	69	190	1.555	ug/l #	13
59) 2-Hexanone	11.54	43	220	3.300	ug/l #	31
61) 1,2-Dibromoethane	11.84	107	193	1.402	ug/l #	1
64) Tetrachloroethene	11.26	164	196	1.342	ug/l #	1
74) N-amyl acetate	13.28	43	428	3.284	ug/l #	53
79) 2-Chlorotoluene	13.95	91	475	1.397	ug/l #	39
81) trans-1,4-Dichloro-2-buten	13.55	75	3503	133.692	ug/l #	3
82) 4-Chlorotoluene	13.95	91	475	1.187	ug/l #	41
84) 1,2,4-Trimethylbenzene	14.24	105	556	1.264	ug/l #	34
85) sec-Butylbenzene	14.24	105	556	1.087	ug/l #	61
86) p-Isopropyltoluene	14.50	119	2213	4.532	ug/l #	65
87) 1,3-Dichlorobenzene	14.46	146	343	1.379	ug/l #	40
88) 1,4-Dichlorobenzene	14.55	146	380	1.511	ug/l #	31

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Response via : Initial Calibration

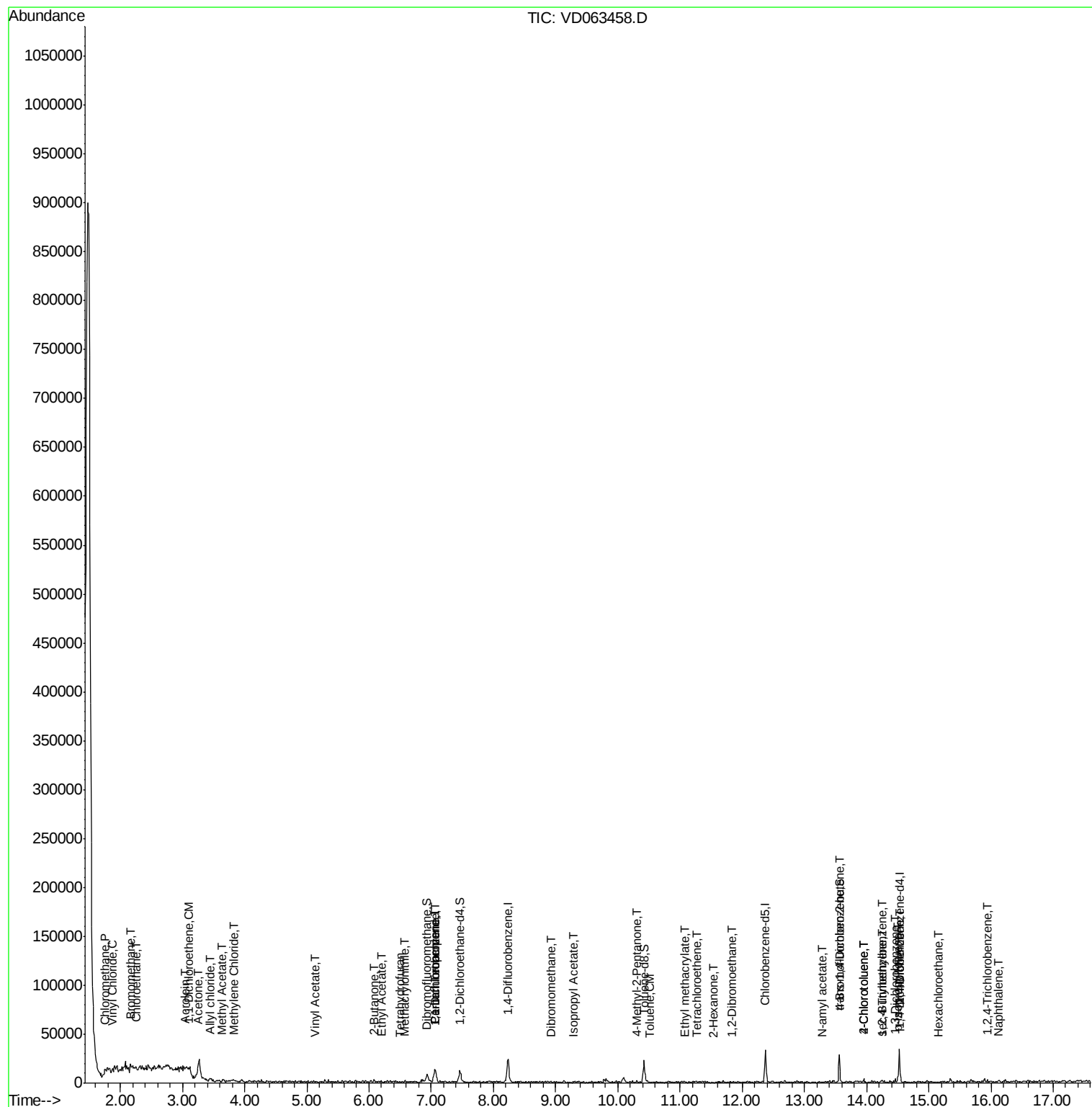
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	15.15	117	185	1.454	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.94	180	262	1.524	ug/l #	11
95) Naphthalene	16.13	128	2501	10.292	ug/l #	70

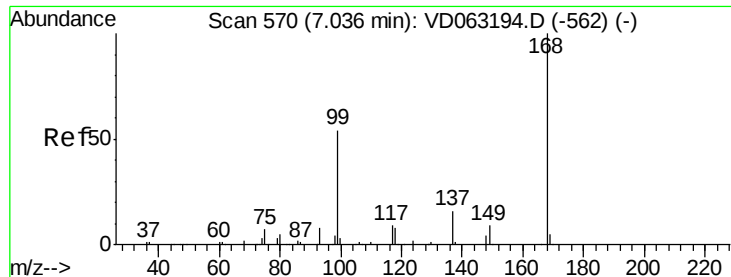
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

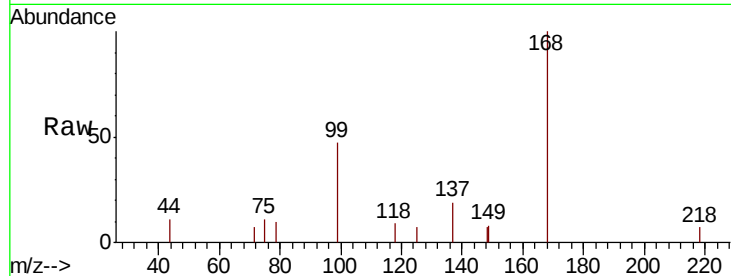
SP-12

Tgt Ion:168 Resp: 15541

Ion Ratio Lower Upper

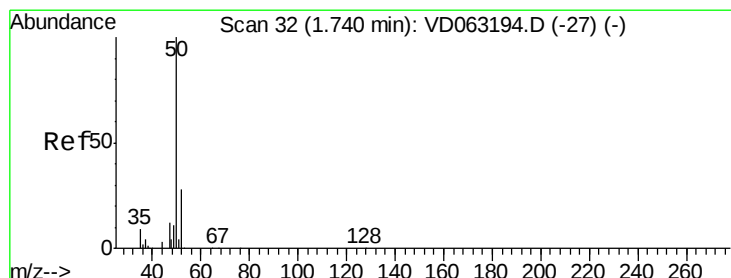
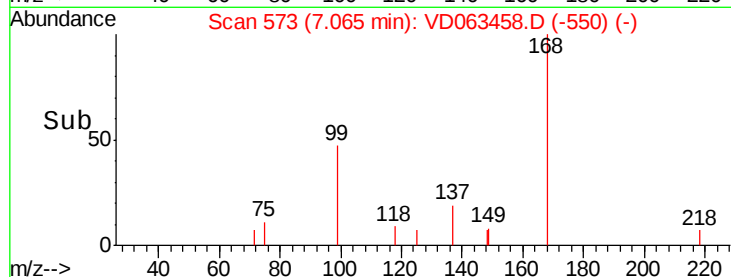
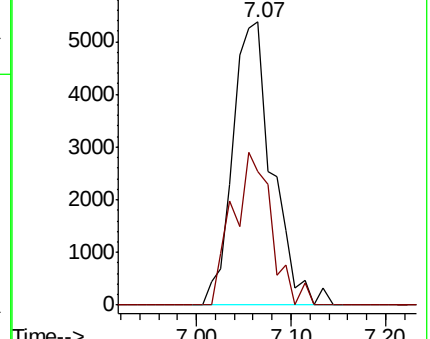
168 100

99 47.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 4.722 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063458.D

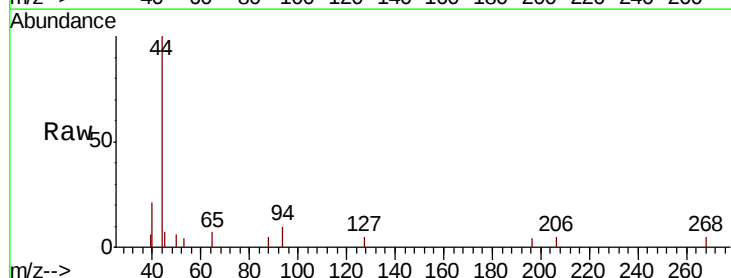
Acq: 9 Aug 2019 2:03

Tgt Ion: 50 Resp: 697

Ion Ratio Lower Upper

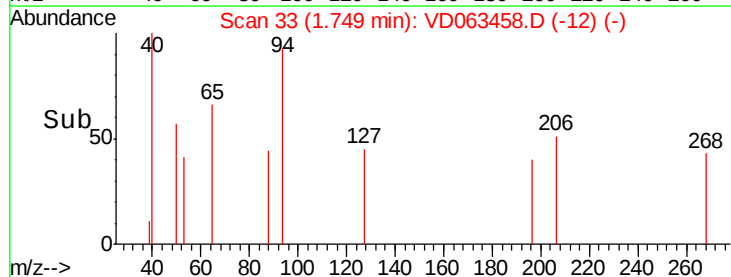
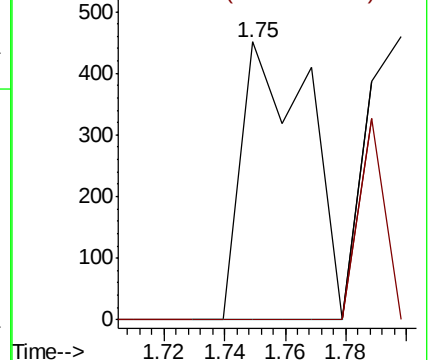
50 100

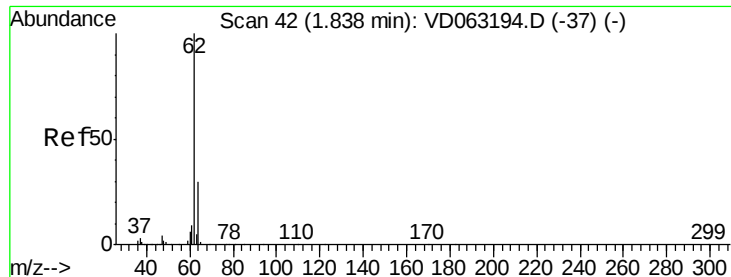
52 0.0 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.270 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

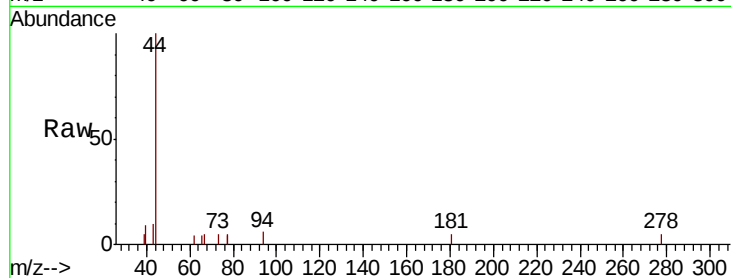
SP-12

Tgt Ion: 62 Resp: 194

Ion Ratio Lower Upper

62 100

64 0.0 24.1 36.1#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

300

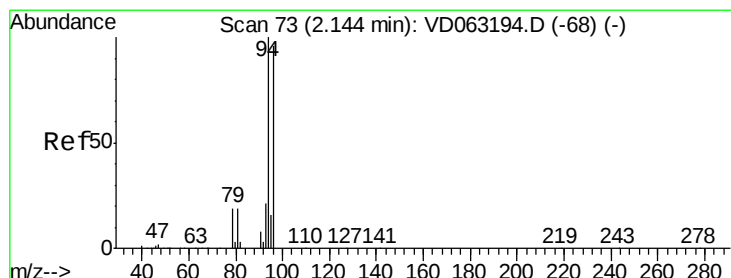
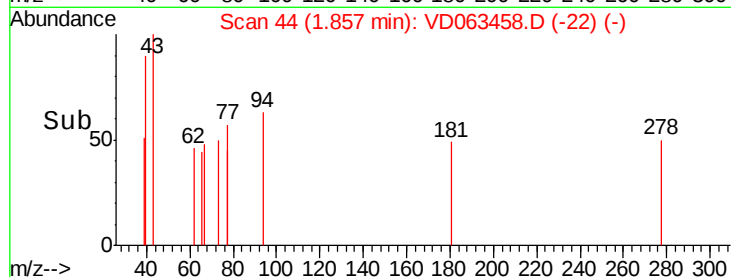
200

100

0

1.82 1.84 1.86 1.88

Time-->



#5

Bromomethane

Concen: 20.387 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

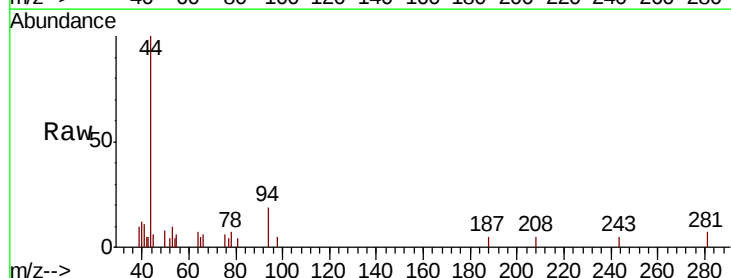
Tgt Ion: 94 Resp: 1571

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



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

2.16

2000

1500

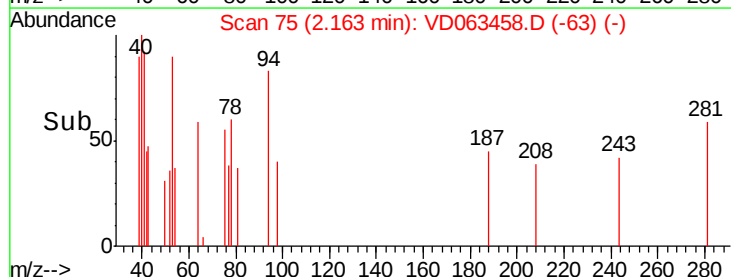
1000

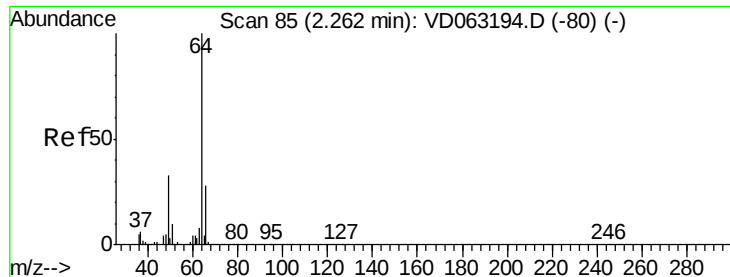
500

0

2.10 2.15 2.20

Time-->





#6

Chloroethane

Concen: 11.596 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

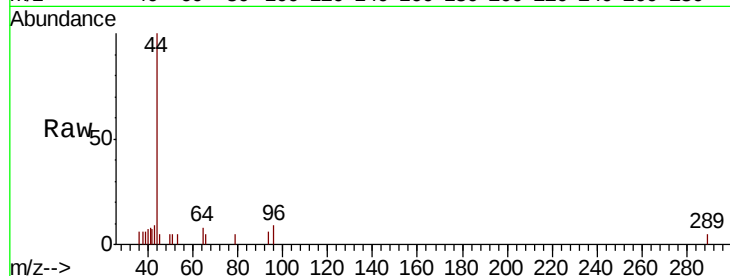
SP-12

Tgt Ion: 64 Resp: 818

Ion Ratio Lower Upper

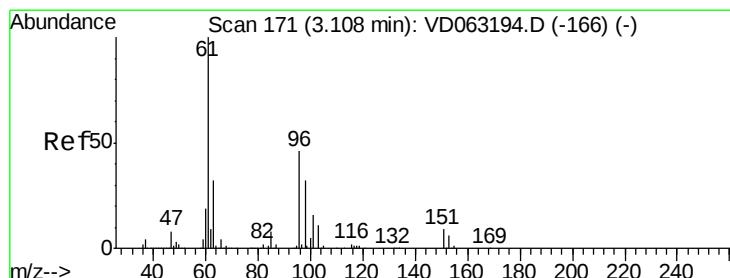
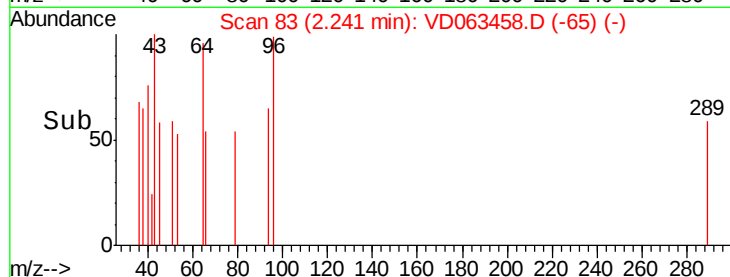
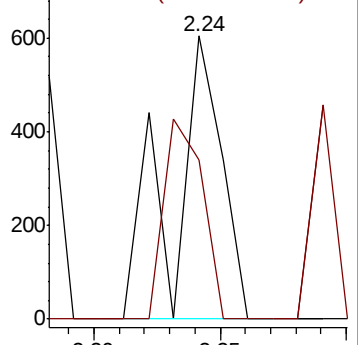
64 100

66 56.3 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#12

1,1-Dichloroethene

Concen: 2.547 ug/l

RT: 3.10 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

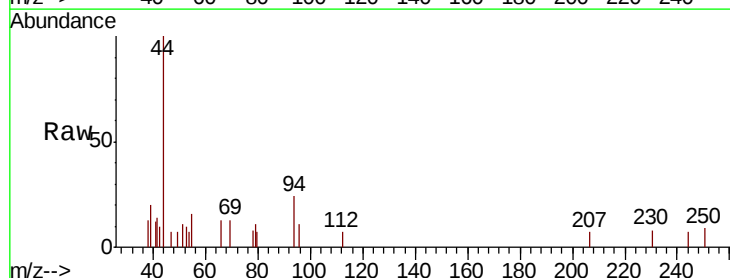
Tgt Ion: 96 Resp: 307

Ion Ratio Lower Upper

96 100

61 0.0 173.7 260.5#

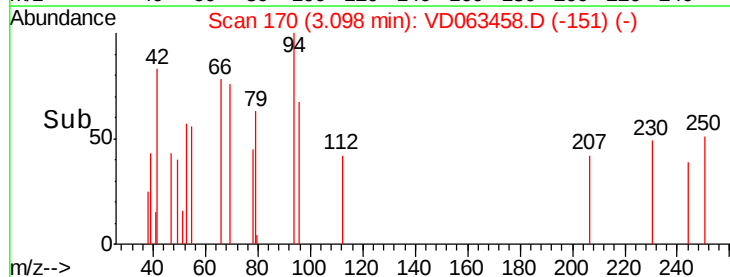
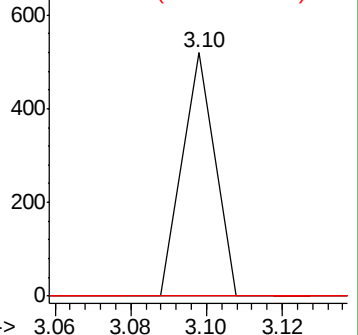
98 0.0 55.8 83.8#

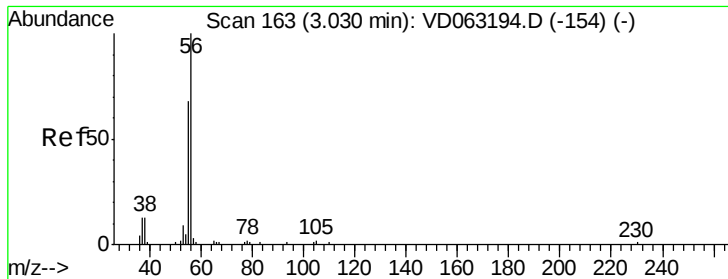


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 37.347 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

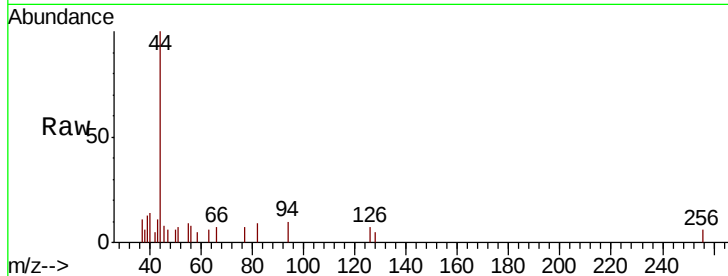
SP-12

Tgt Ion: 56 Resp: 272

Ion Ratio Lower Upper

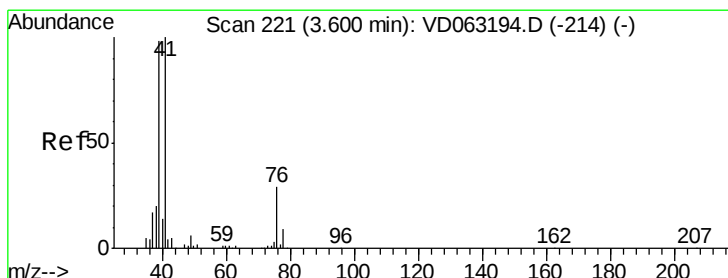
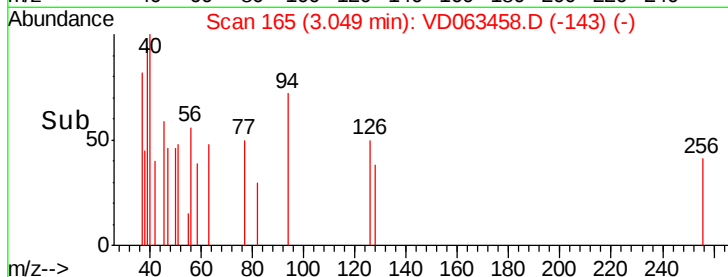
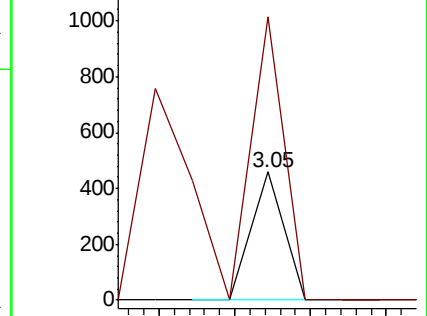
56 100

55 220.2 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 3.359 ug/l

RT: 3.45 min Scan# 206

Delta R.T. -0.15 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

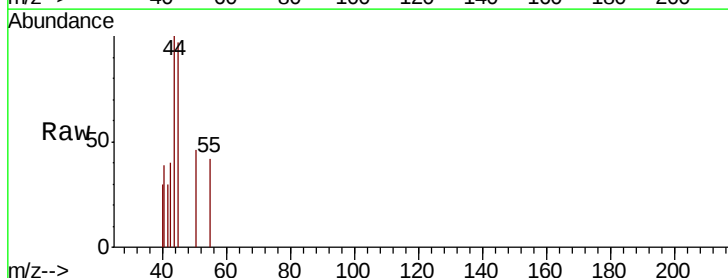
Tgt Ion: 41 Resp: 645

Ion Ratio Lower Upper

41 100

39 0.0 78.6 117.8#

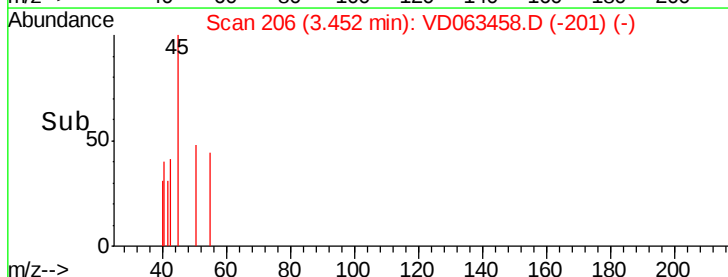
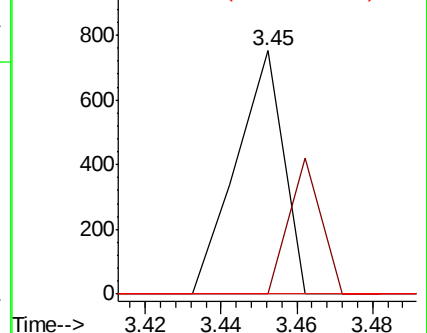
76 0.0 24.5 36.7#

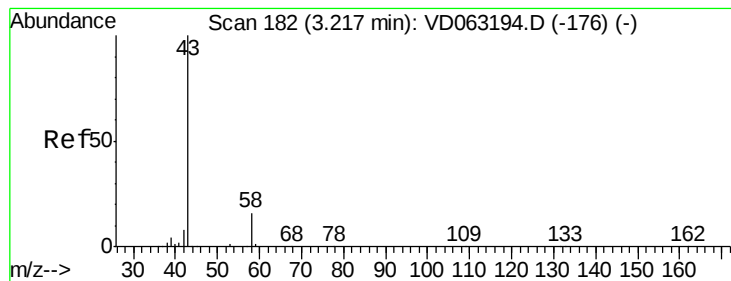


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 331.771 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

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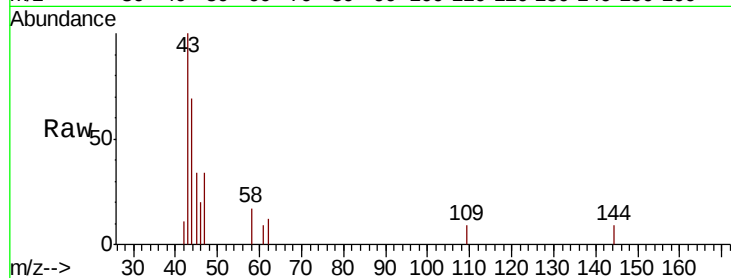
SP-12

Tgt Ion: 43 Resp: 11147

Ion Ratio Lower Upper

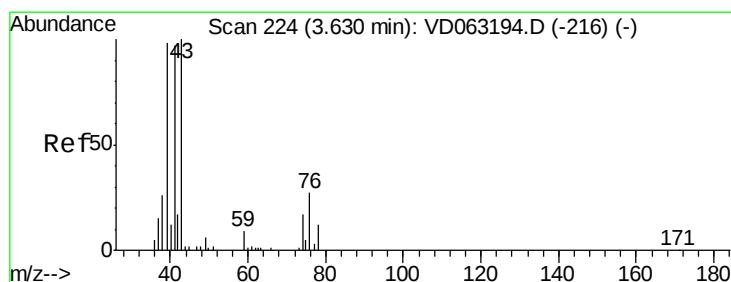
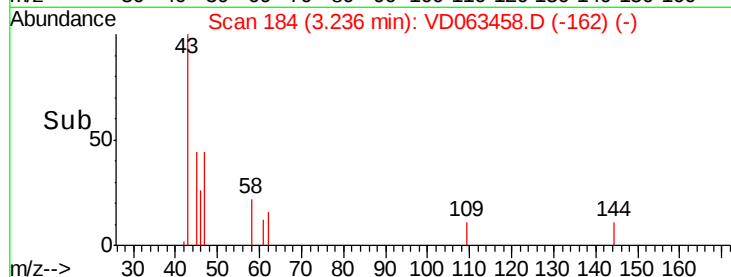
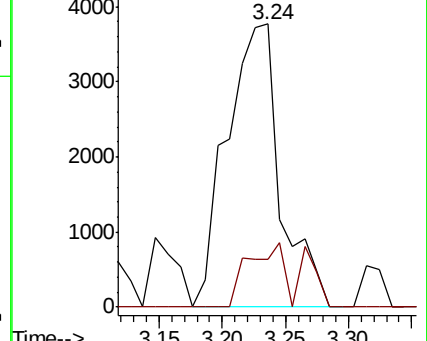
43 100

58 16.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 9.436 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063458.D

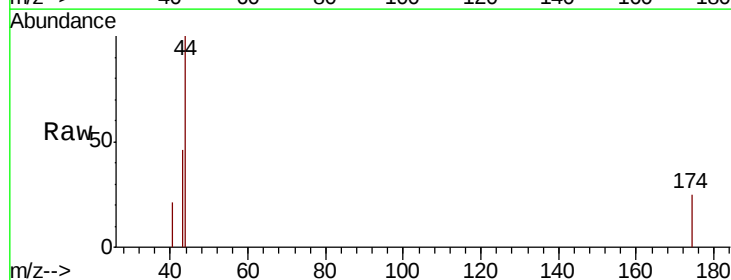
Acq: 9 Aug 2019 2:03

Tgt Ion: 43 Resp: 609

Ion Ratio Lower Upper

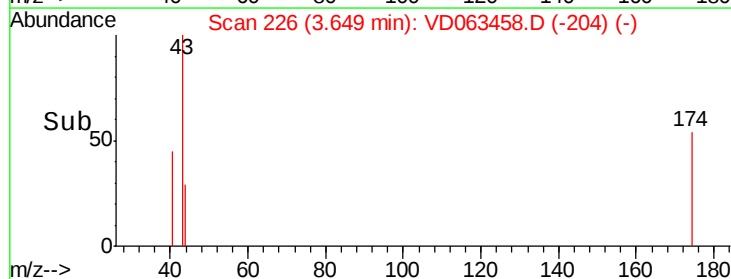
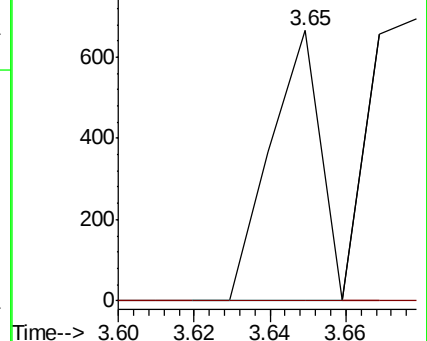
43 100

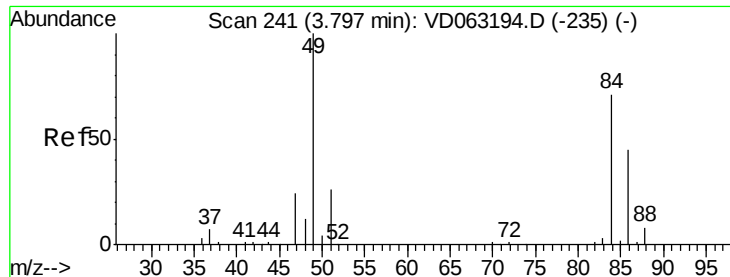
74 0.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 3.903 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

SP-12

Tgt Ion: 84 Resp: 530

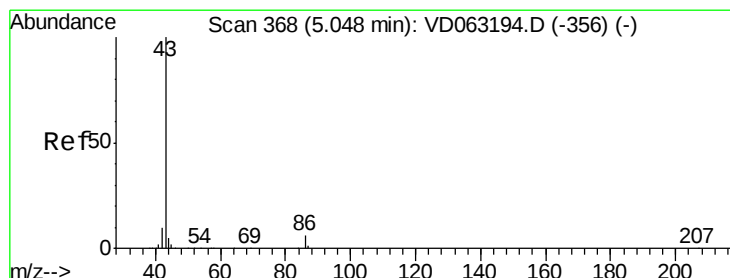
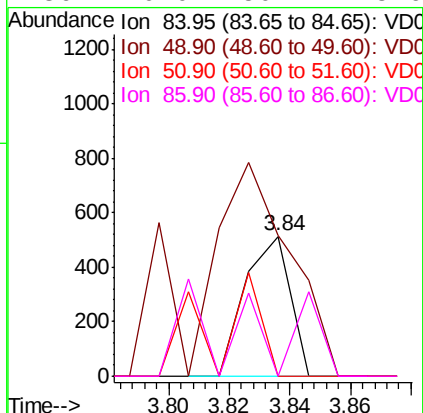
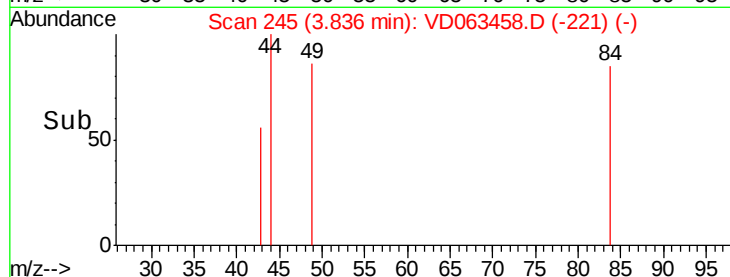
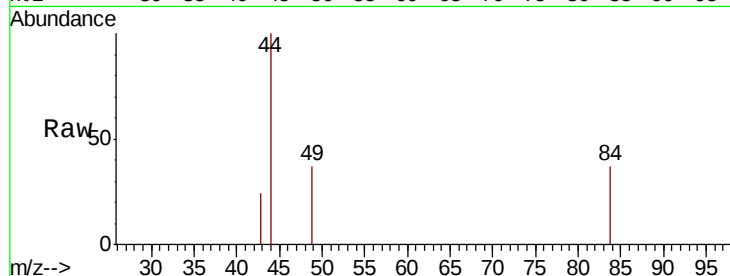
Ion Ratio Lower Upper

84 100

49 100.8 112.5 168.7#

51 0.0 29.6 44.4#

86 0.0 50.4 75.6#



#23

Vinyl Acetate

Concen: 1.124 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.08 min

Lab File: VD063458.D

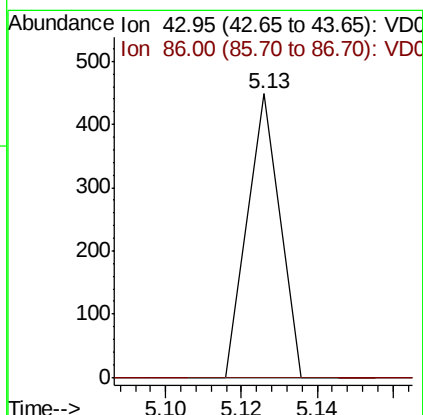
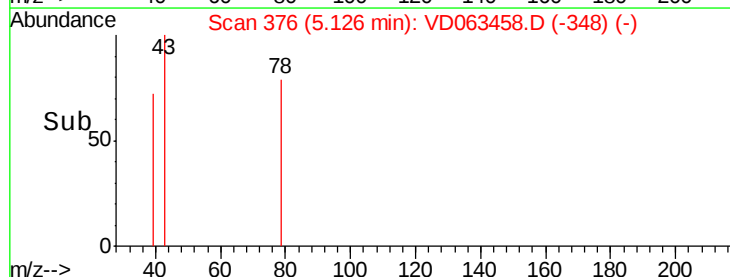
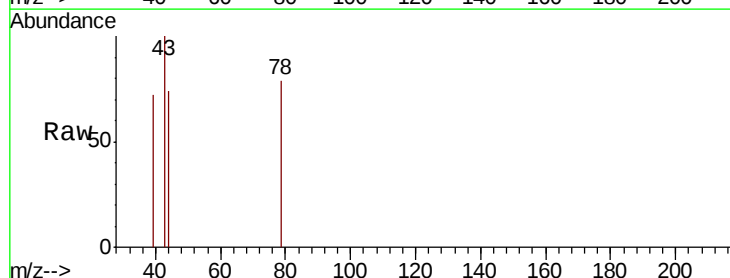
Acq: 9 Aug 2019 2:03

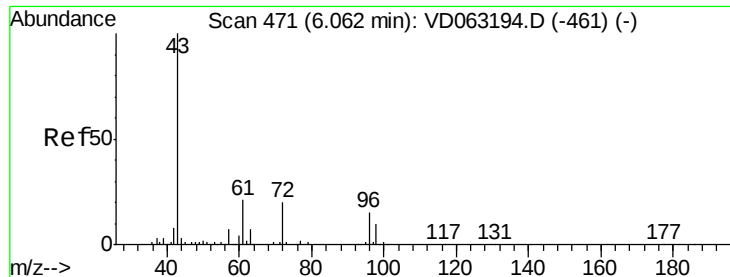
Tgt Ion: 43 Resp: 265

Ion Ratio Lower Upper

43 100

86 0.0 4.9 7.3#





#25

2-Butanone

Concen: 84.997 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampled :

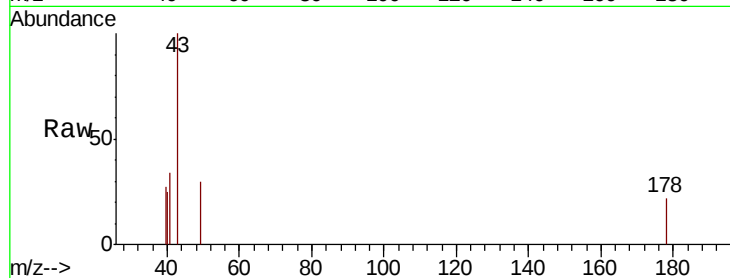
SP-12

Tgt Ion: 43 Resp: 2866

Ion Ratio Lower Upper

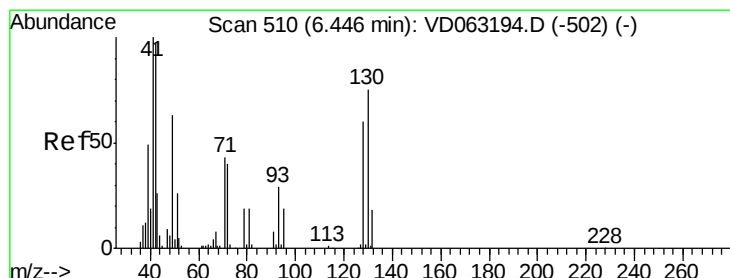
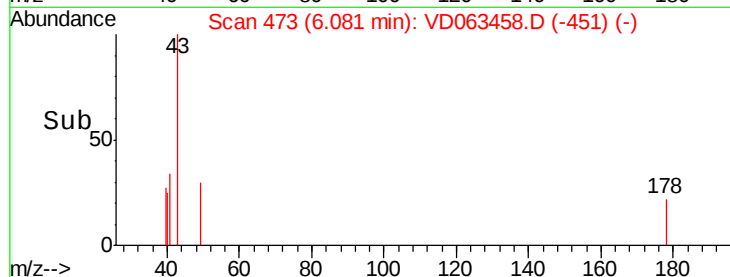
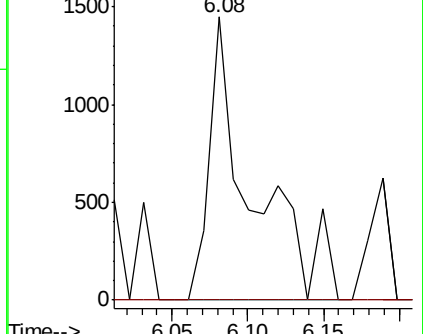
43 100

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



#29

Tetrahydrofuran

Concen: 14.658 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.05 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

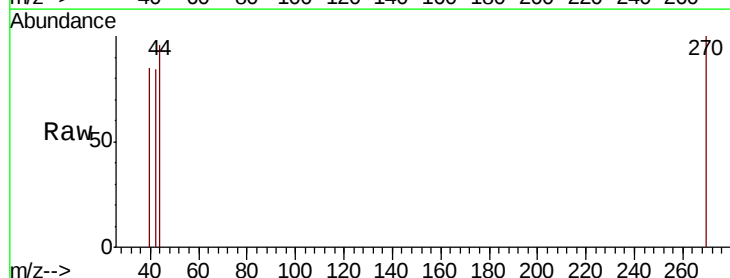
Tgt Ion: 42 Resp: 234

Ion Ratio Lower Upper

42 100

72 81.6 33.4 50.2#

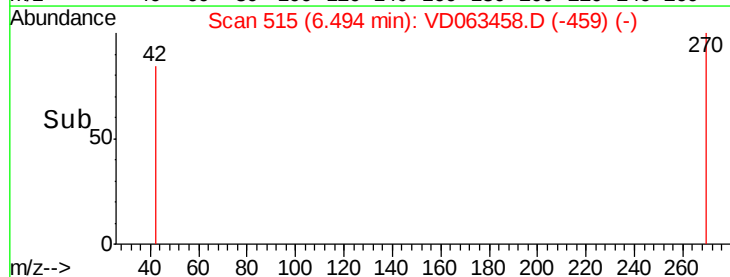
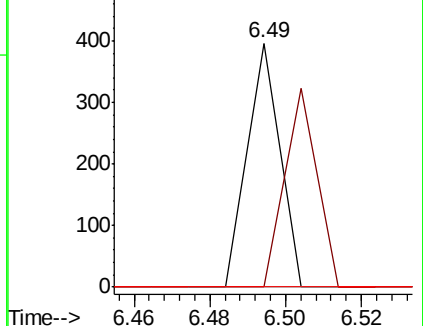
71 0.0 35.7 53.5#

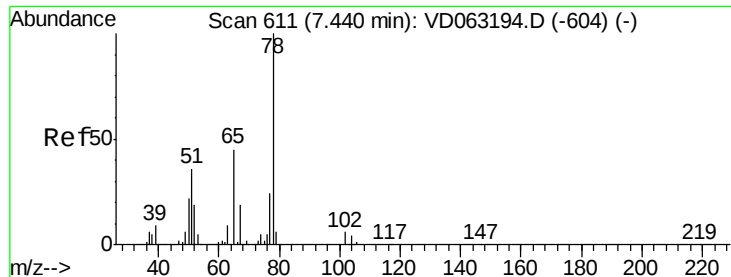


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 74.877 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

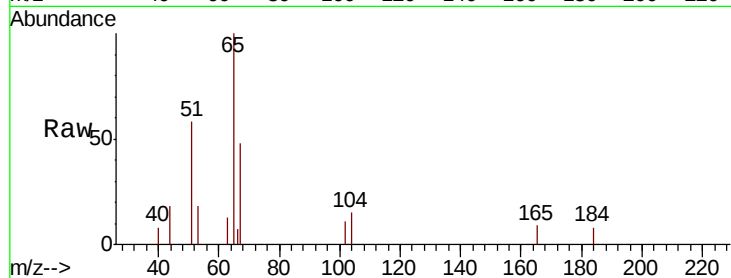
SP-12

Tgt Ion: 65 Resp: 12912

Ion Ratio Lower Upper

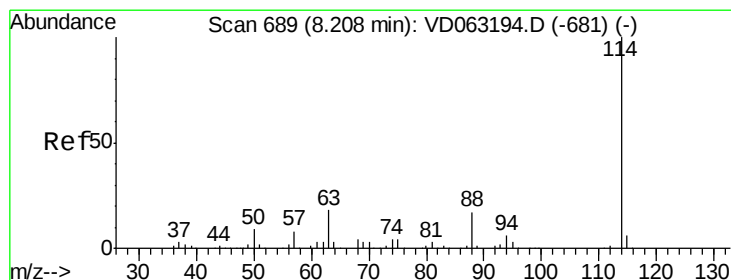
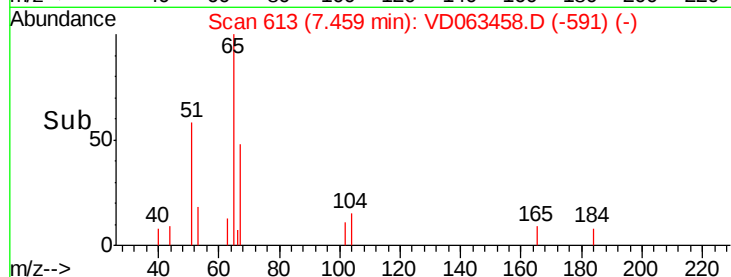
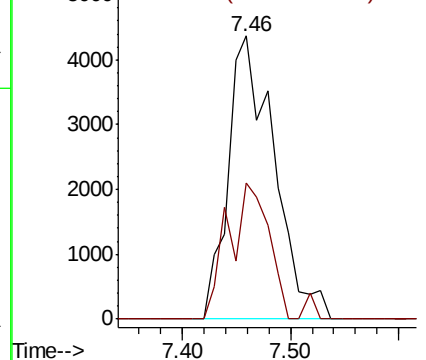
65 100

67 47.9 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: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

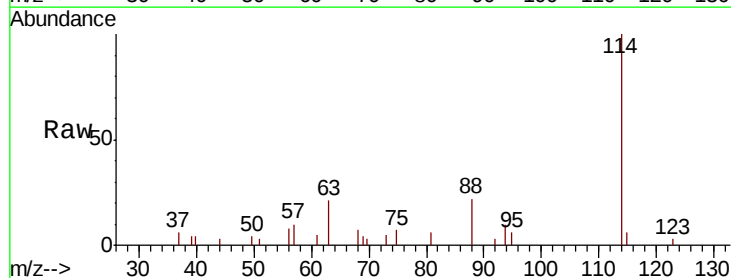
Tgt Ion: 114 Resp: 25972

Ion Ratio Lower Upper

114 100

63 21.3 0.0 35.2

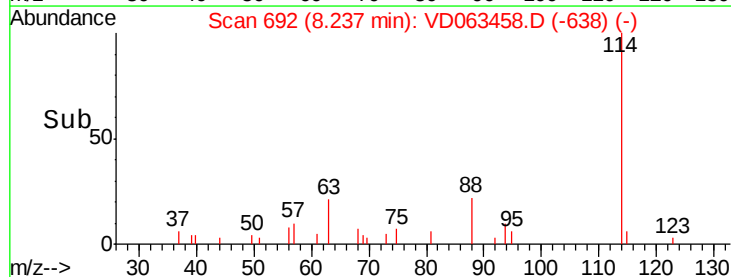
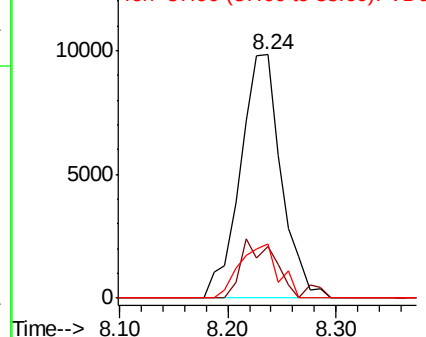
88 22.2 0.0 34.6

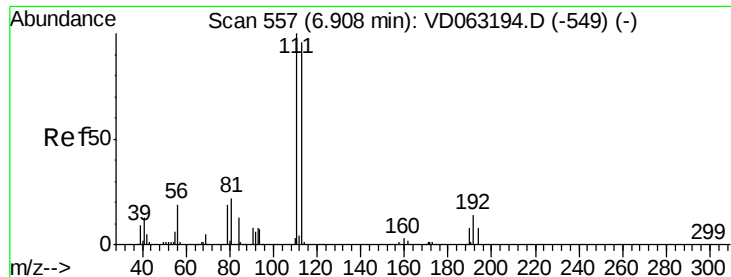


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 27.874 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampled :

SP-12

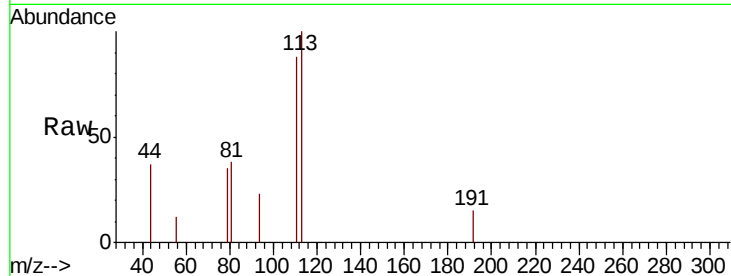
Tgt Ion:113 Resp: 6181

Ion Ratio Lower Upper

113 100

111 87.8 83.2 124.8

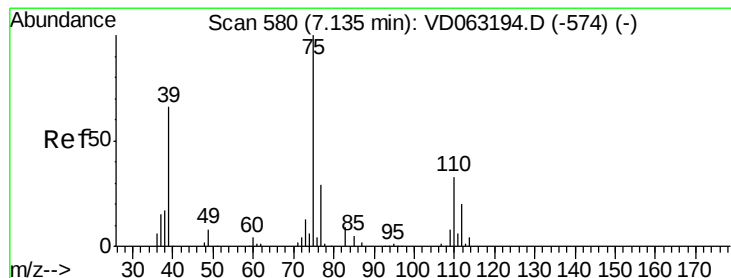
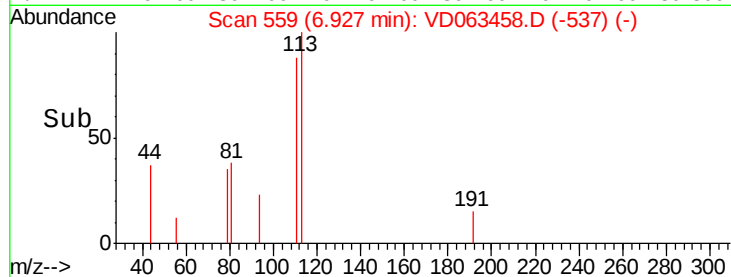
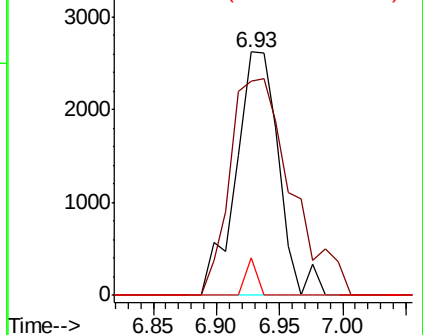
192 15.2 11.8 17.8



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: 7.670 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.06 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

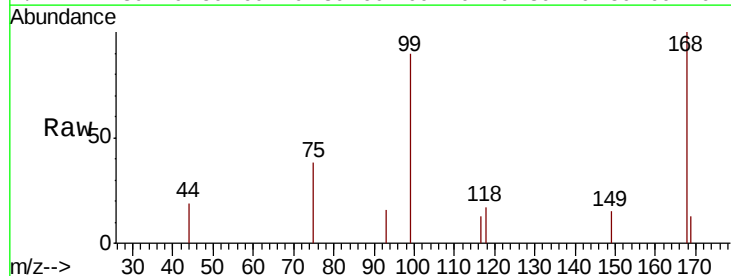
Tgt Ion: 75 Resp: 1818

Ion Ratio Lower Upper

75 100

110 0.0 16.1 48.2#

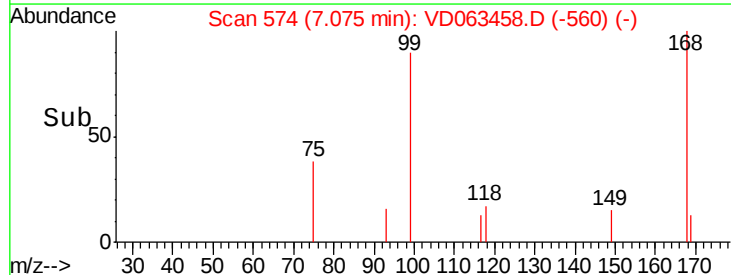
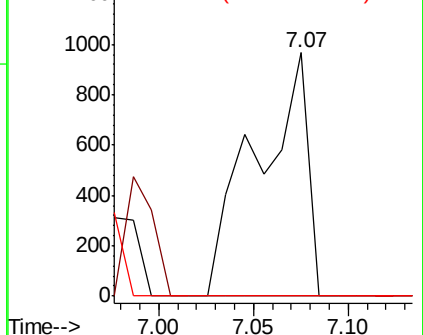
77 0.0 22.7 34.1#

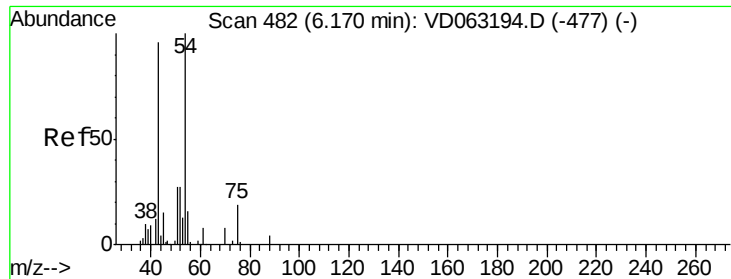


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 5.156 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

SP-12

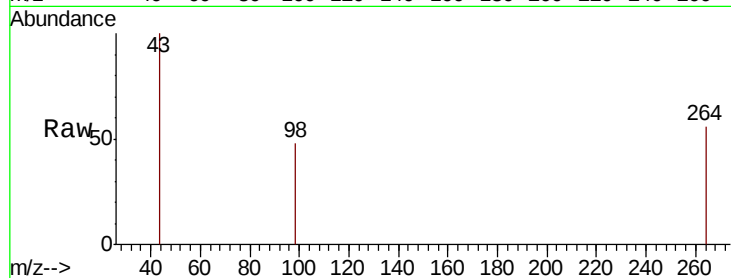
Tgt Ion: 43 Resp: 549

Ion Ratio Lower Upper

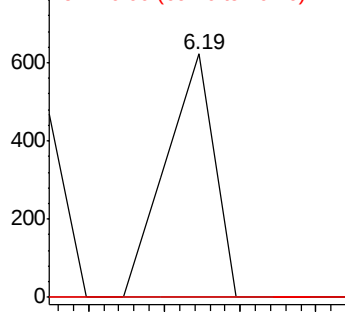
43 100

61 0.0 11.3 16.9#

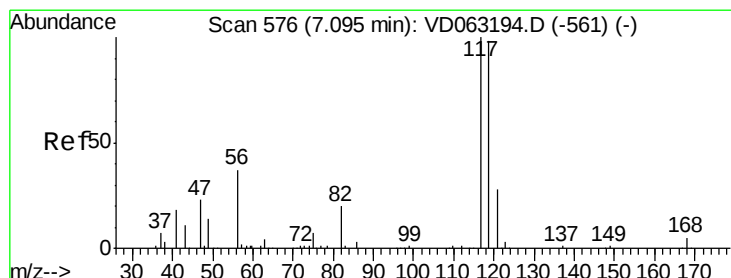
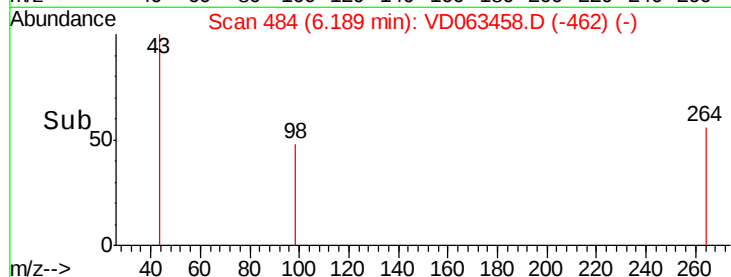
70 0.0 5.1 7.7#



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



Time-->



#38

Carbon Tetrachloride

Concen: 2.514 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

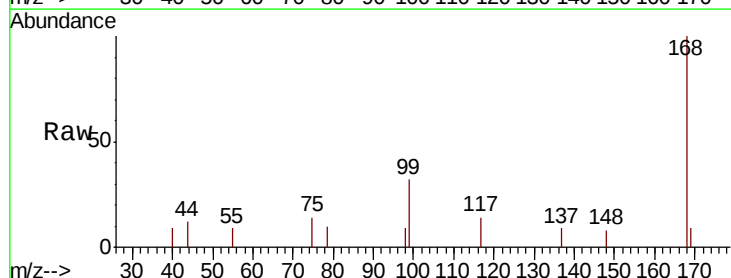
Tgt Ion: 117 Resp: 897

Ion Ratio Lower Upper

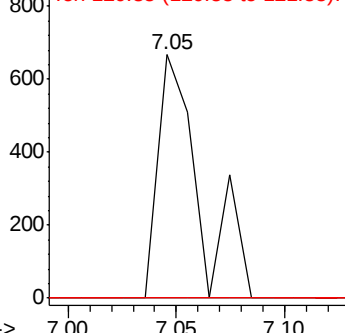
117 100

119 0.0 78.2 117.2#

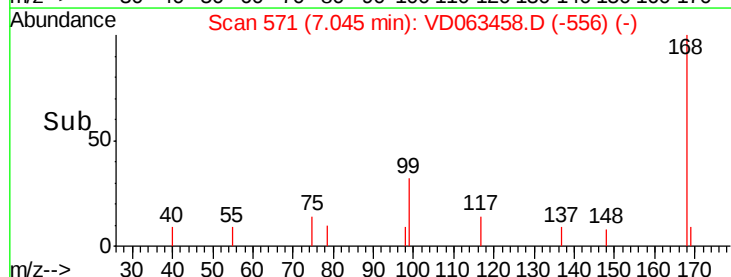
121 0.0 22.1 33.1#

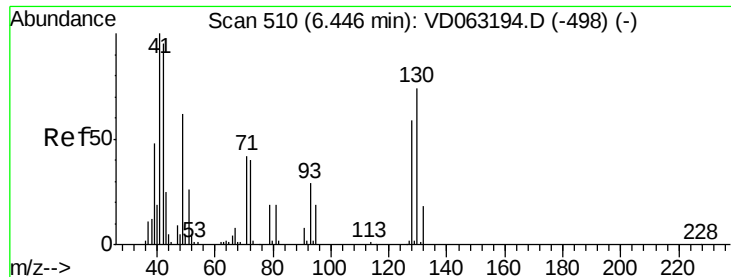


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



Time-->





#41

Methacrylonitrile

Concen: 1.649 ug/l

RT: 6.57 min Scan# 523

Delta R.T. 0.13 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampled :

SP-12

Tgt Ion: 41 Resp: 210

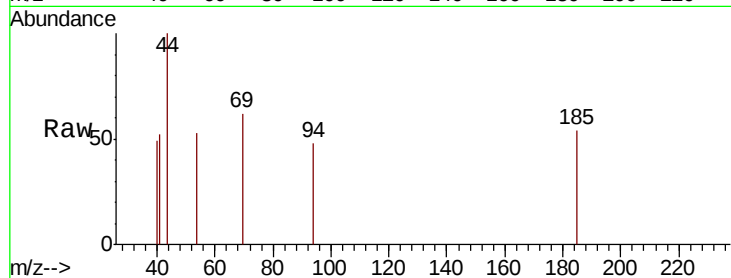
Ion Ratio Lower Upper

41 100

39 0.0 38.4 57.6#

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

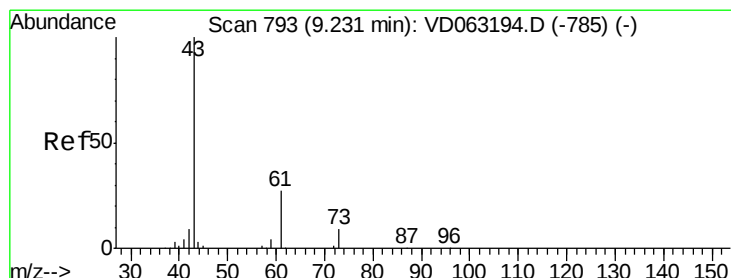
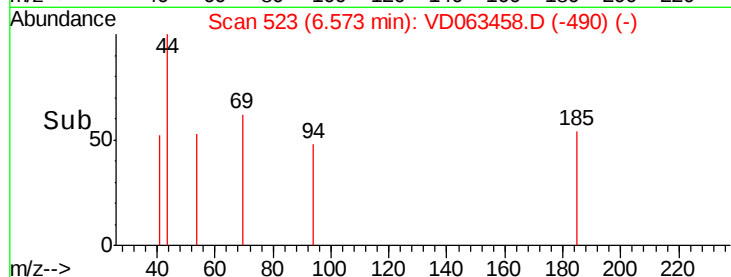
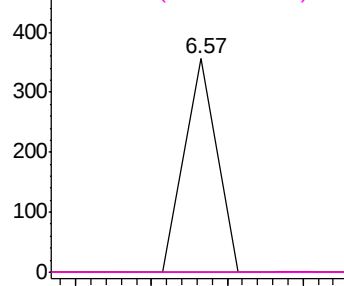


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 1.323 ug/l

RT: 9.28 min Scan# 798

Delta R.T. 0.05 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

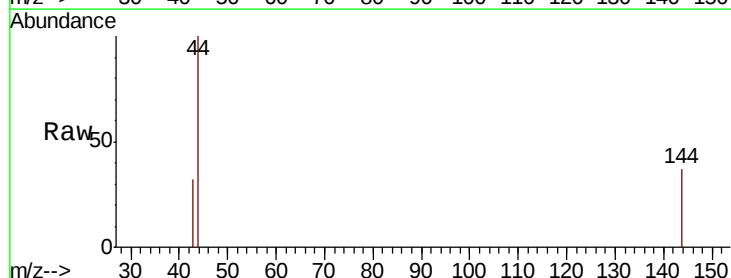
Tgt Ion: 43 Resp: 180

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

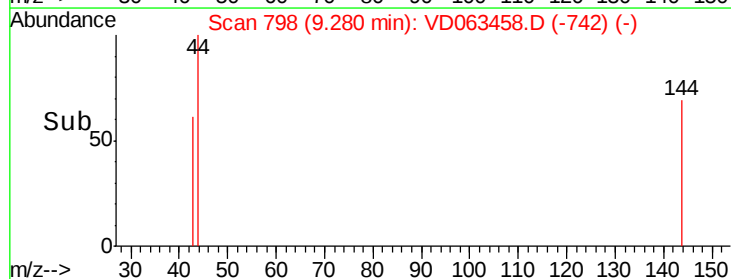
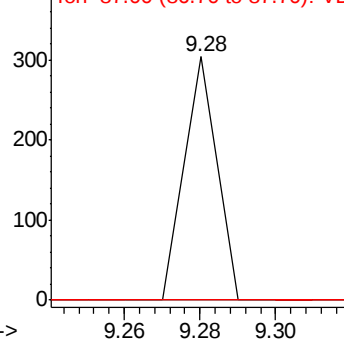
87 0.0 0.2 0.4#

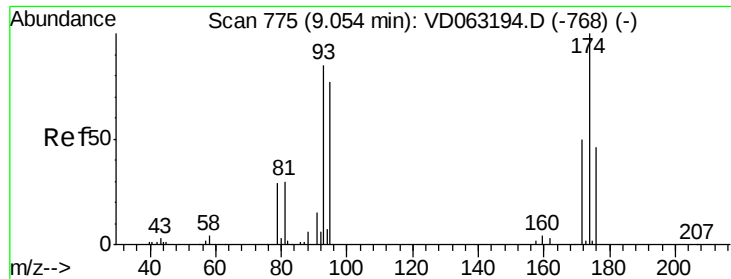


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#46

Dibromomethane

Concen: 1.838 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.14 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

SP-12

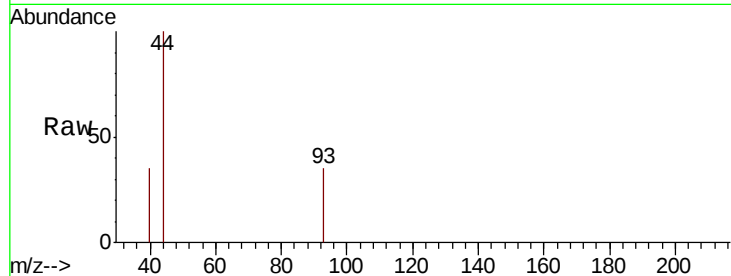
Tgt Ion: 93 Resp: 193

Ion Ratio Lower Upper

93 100

95 0.0 72.8 109.2#

174 0.0 94.4 141.6#



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

8.92

300

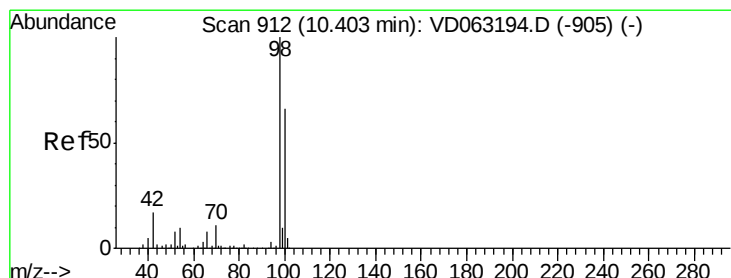
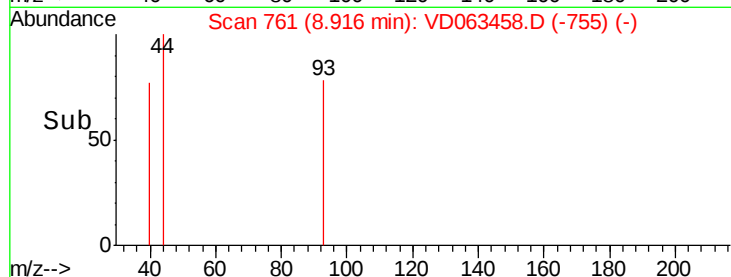
200

100

0

8.90 8.92 8.94

Time-->



#50

Toluene-d8

Concen: 31.292 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063458.D

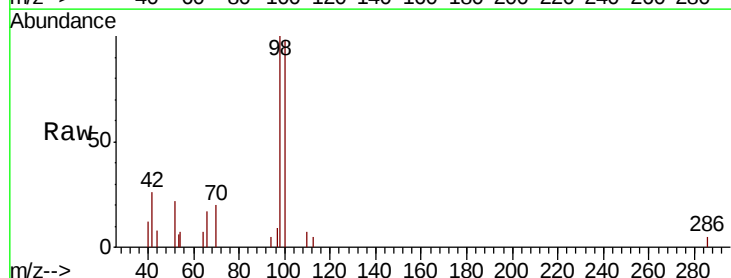
Acq: 9 Aug 2019 2:03

Tgt Ion: 98 Resp: 15529

Ion Ratio Lower Upper

98 100

100 97.9 53.2 79.8#



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.42

8000

6000

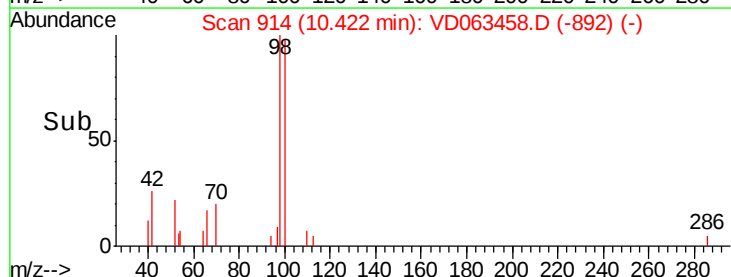
4000

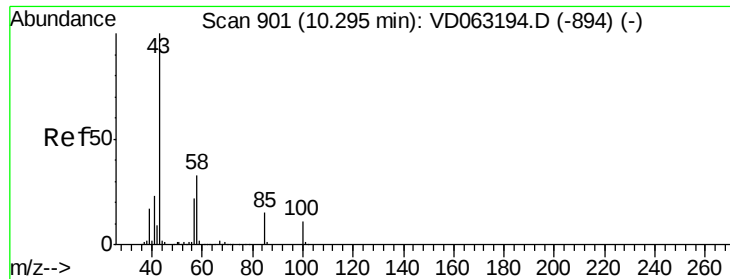
2000

0

10.40 10.42 10.50

Time-->

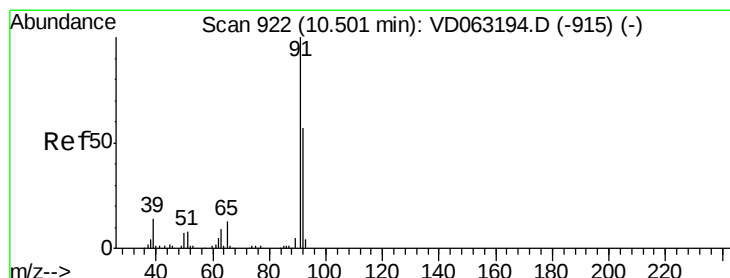
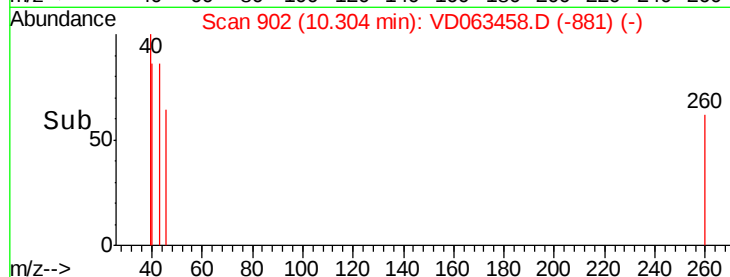
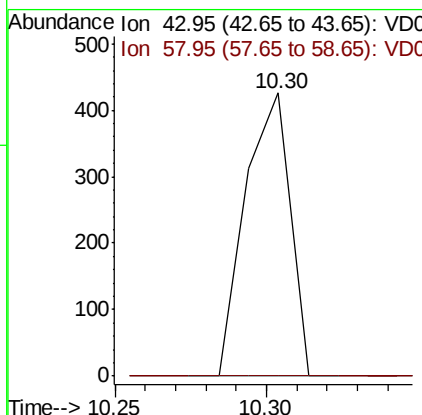
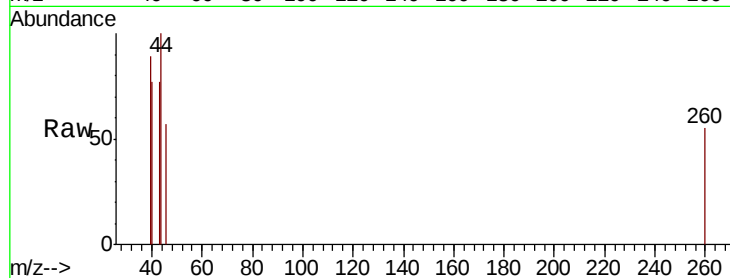




#51
 4-Methyl-2-Pentanone
 Concen: 4.713 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: VD063458.D
 Acq: 9 Aug 2019 2:03

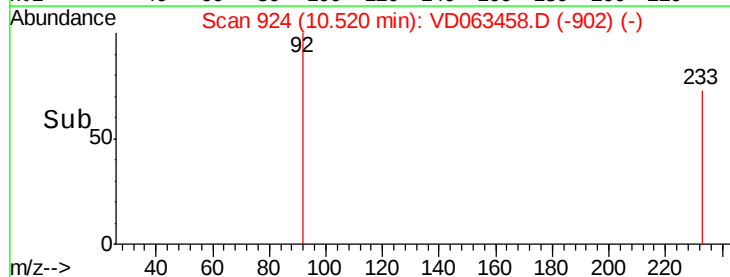
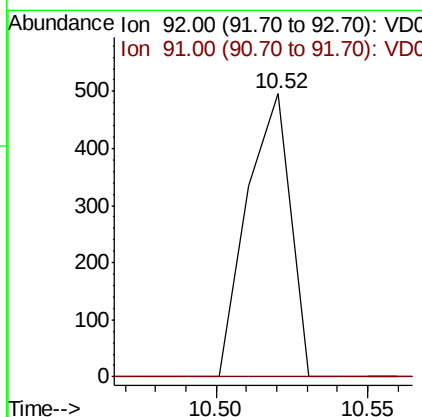
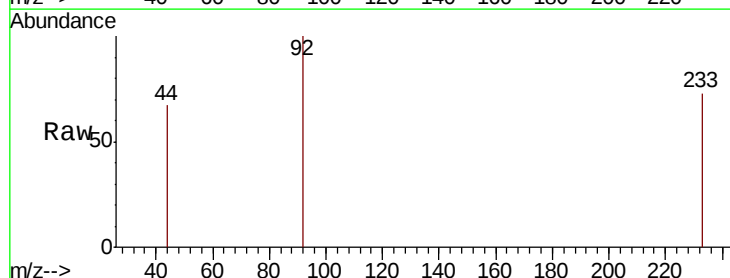
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12

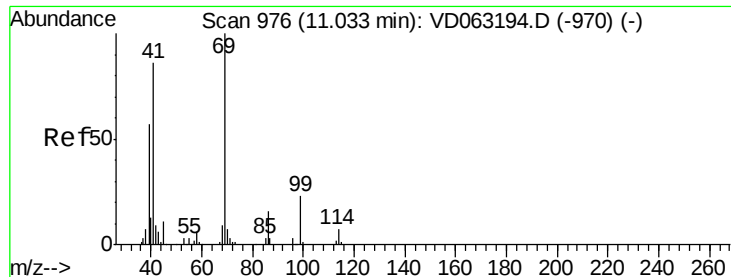
Tgt Ion: 43 Resp: 436
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.2#



#52
 Toluene
 Concen: 1.486 ug/l
 RT: 10.52 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD063458.D
 Acq: 9 Aug 2019 2:03

Tgt Ion: 92 Resp: 491
 Ion Ratio Lower Upper
 92 100
 91 0.0 140.8 211.2#





#56

Ethyl methacrylate

Concen: 1.555 ug/l

RT: 11.07 min Scan# 980

Delta R.T. 0.04 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

SP-12

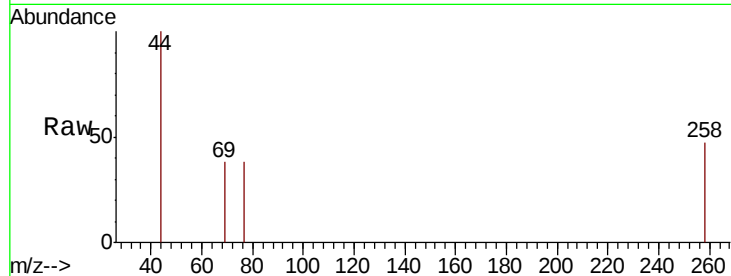
Tgt Ion: 69 Resp: 190

Ion Ratio Lower Upper

69 100

41 0.0 68.8 103.2#

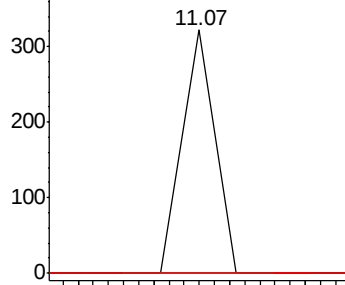
39 0.0 45.8 68.8#



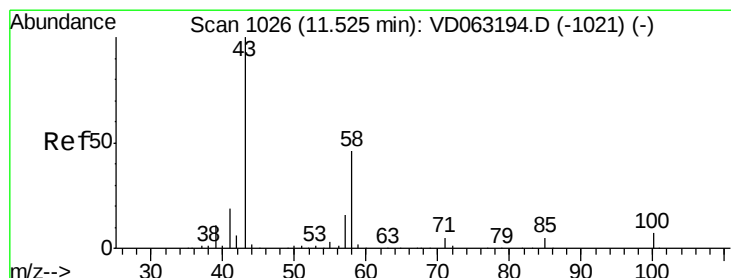
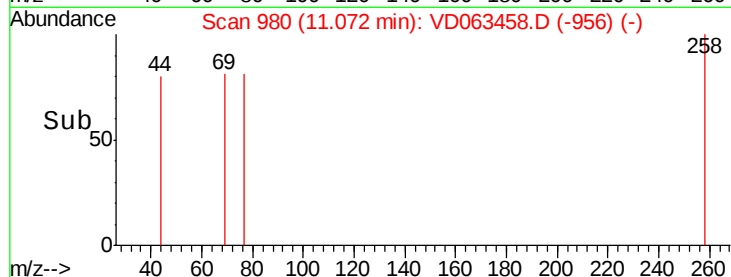
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



Time-->



#59

2-Hexanone

Concen: 3.300 ug/l

RT: 11.54 min Scan# 1028

Delta R.T. 0.02 min

Lab File: VD063458.D

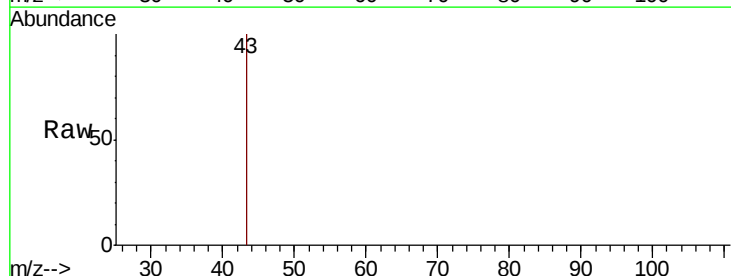
Acq: 9 Aug 2019 2:03

Tgt Ion: 43 Resp: 220

Ion Ratio Lower Upper

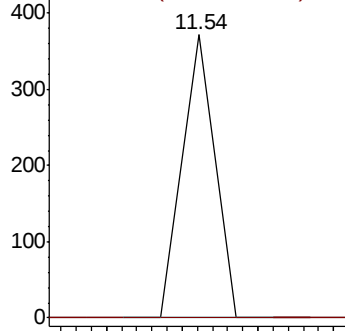
43 100

58 0.0 22.9 68.5#

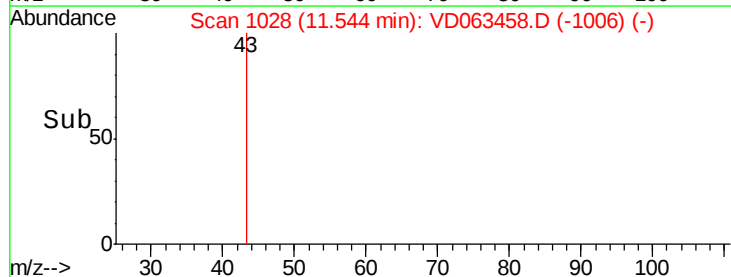


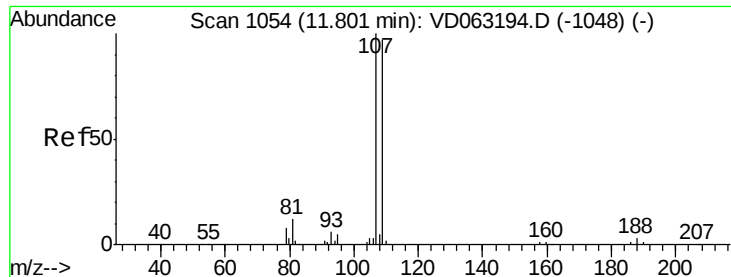
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

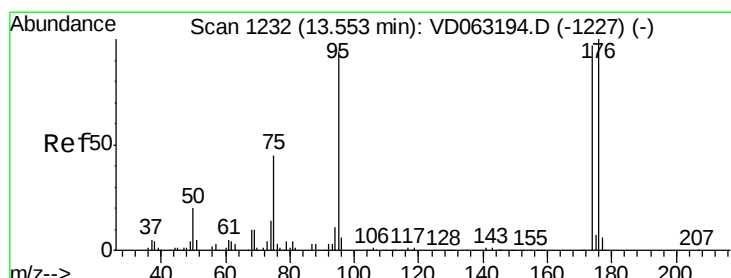
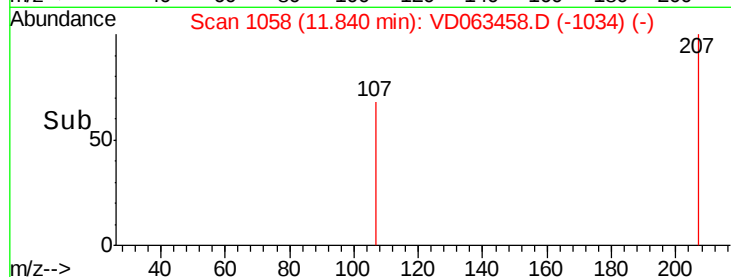
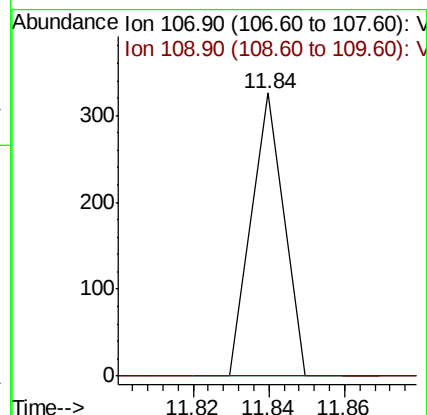
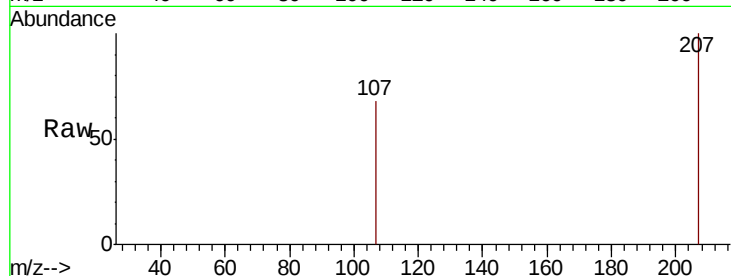




#61
1,2-Dibromoethane
Concen: 1.402 ug/l
RT: 11.84 min Scan# 1058
Delta R.T. 0.04 min
Lab File: VD063458.D
Acq: 9 Aug 2019 2:03

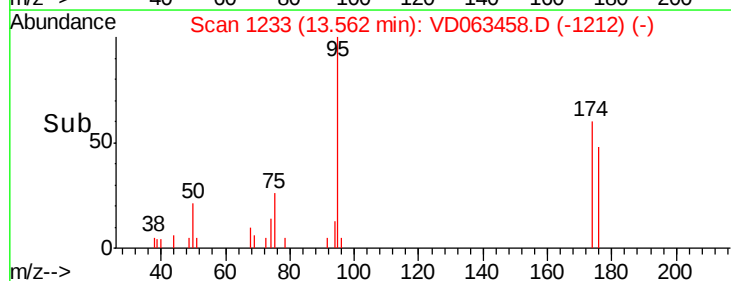
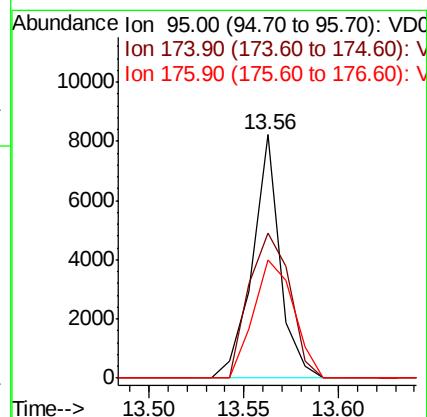
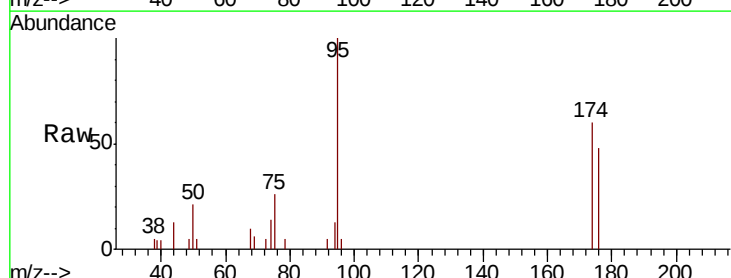
Instrument :
MSVOA_D
ClientSampleId :
SP-12

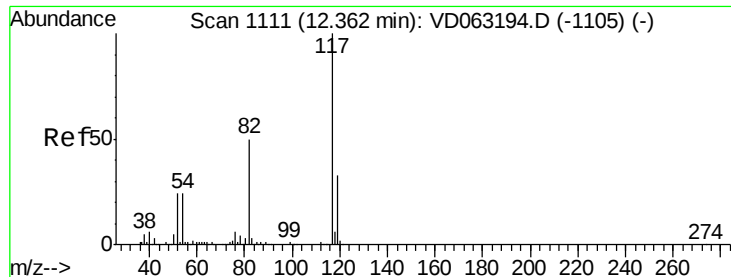
Tgt Ion: 107 Resp: 193
Ion Ratio Lower Upper
107 100
109 0.0 77.5 116.3#



#62
4-Bromofluorobenzene
Concen: 36.516 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063458.D
Acq: 9 Aug 2019 2:03

Tgt Ion: 95 Resp: 8258
Ion Ratio Lower Upper
95 100
174 59.7 0.0 205.4
176 48.4 0.0 211.8

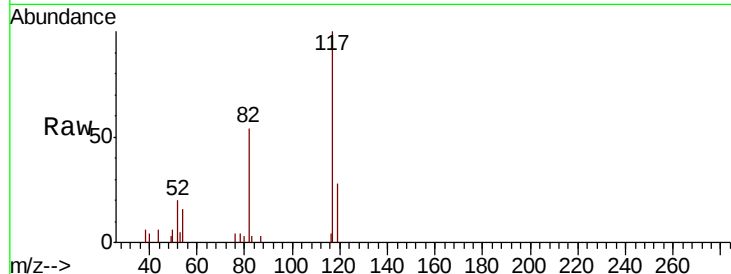




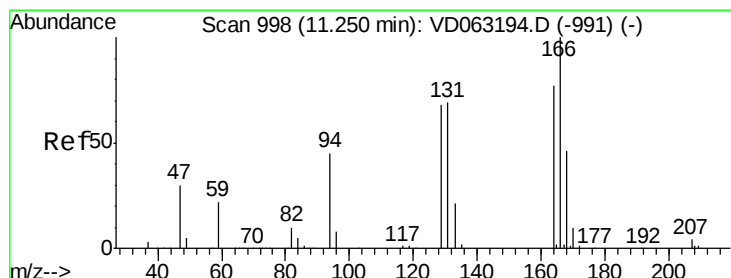
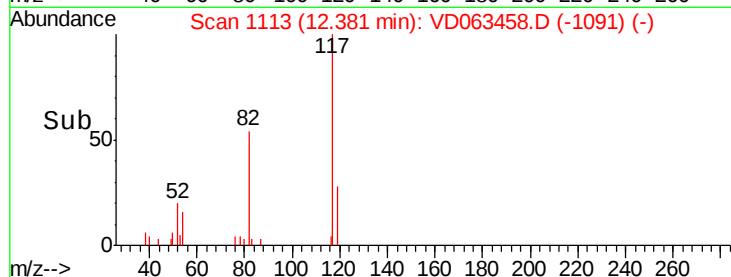
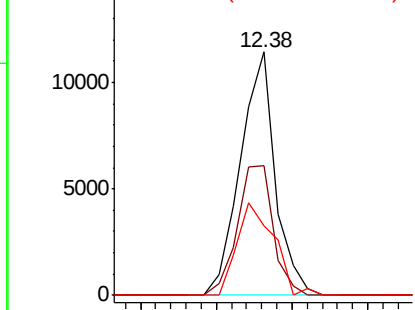
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD063458.D
Acq: 9 Aug 2019 2:03

Instrument :
MSVOA_D
ClientSampled :
SP-12

Tgt Ion:117 Resp: 18338
Ion Ratio Lower Upper
117 100
82 53.5 40.1 60.1
119 28.4 26.5 39.7

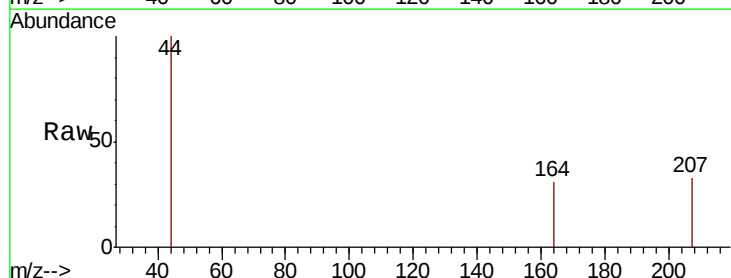


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

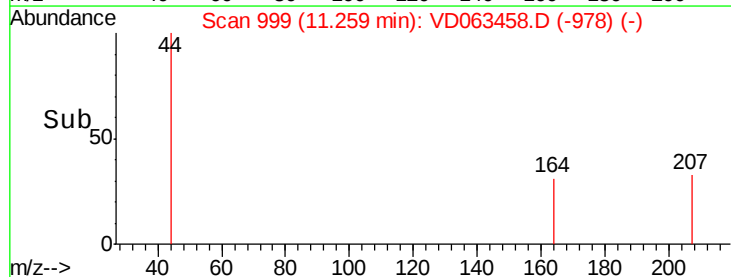
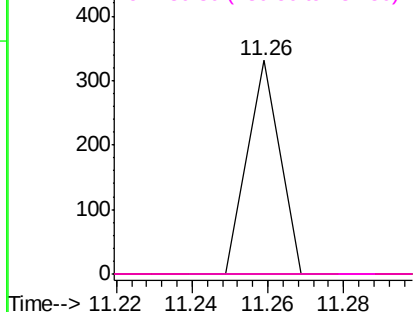


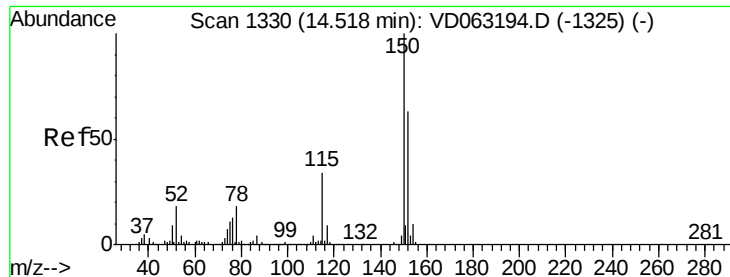
#64
Tetrachloroethene
Concen: 1.342 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD063458.D
Acq: 9 Aug 2019 2:03

Tgt Ion:164 Resp: 196
Ion Ratio Lower Upper
164 100
166 0.0 104.3 156.5#
129 0.0 70.9 106.3#
131 0.0 71.6 107.4#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

SP-12

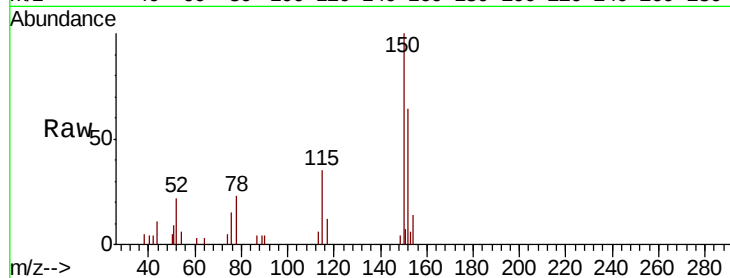
Tgt Ion:152 Resp: 7856

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.4

150 155.5 0.0 320.6

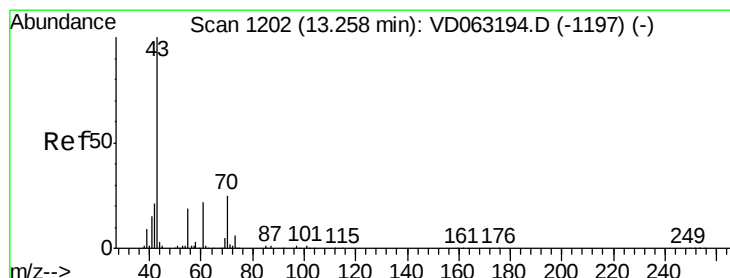
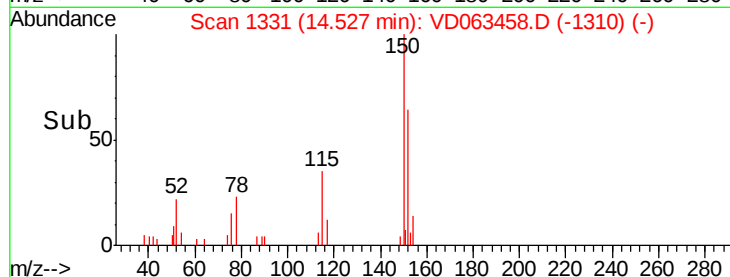
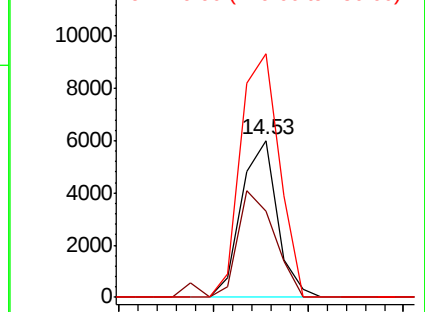


Abundance

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



#74

N-ethyl acetate

Concen: 3.284 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Tgt Ion: 43 Resp: 428

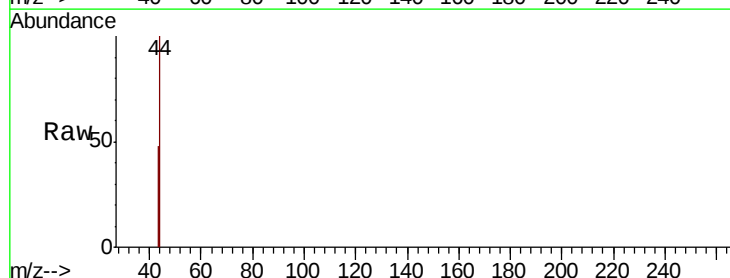
Ion Ratio Lower Upper

43 100

70 0.0 20.2 30.4#

55 0.0 14.9 22.3#

61 0.0 17.9 26.9#



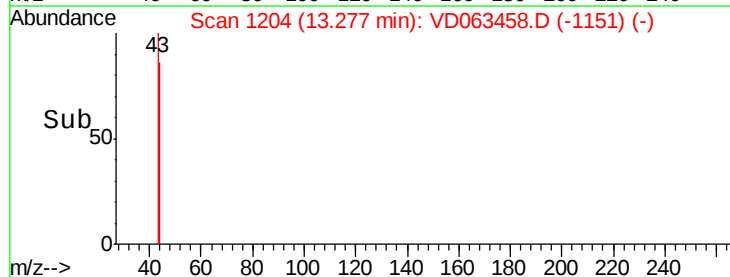
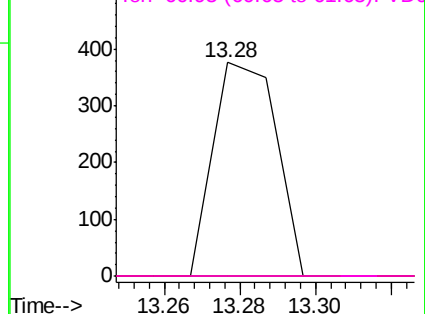
Abundance

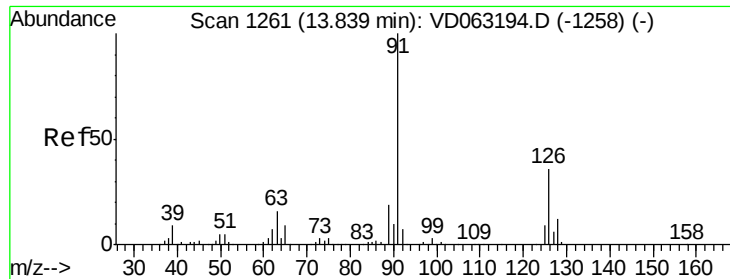
Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#79

2-Chlorotoluene

Concen: 1.397 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.11 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

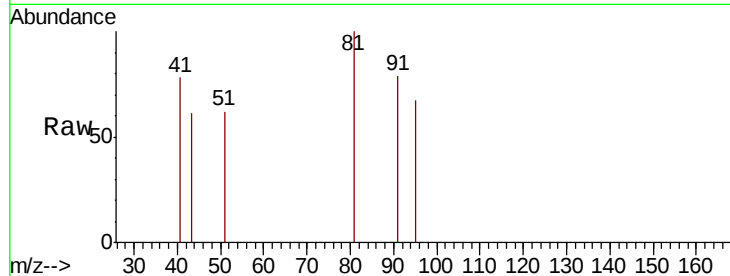
SP-12

Tgt Ion: 91 Resp: 475

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

13.95

400

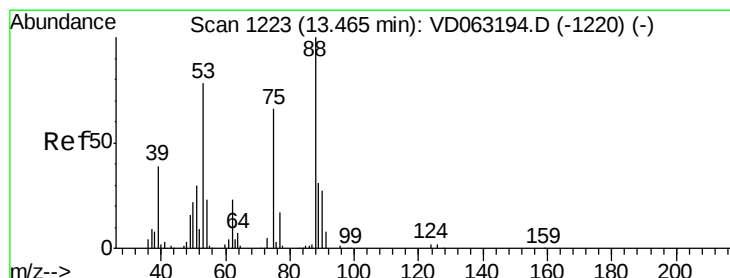
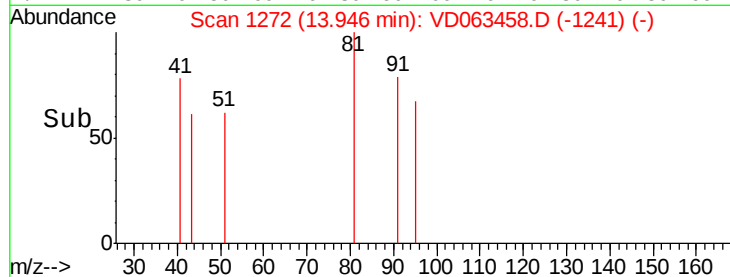
300

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 133.692 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

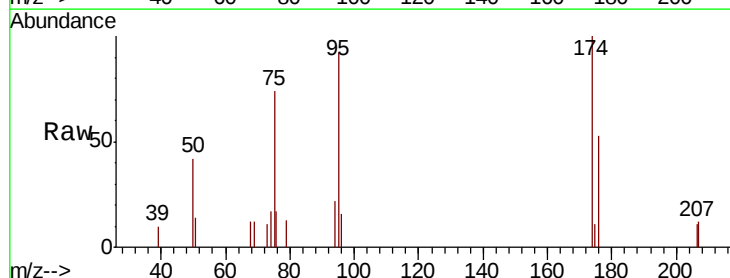
Tgt Ion: 75 Resp: 3503

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

3000

2500

2000

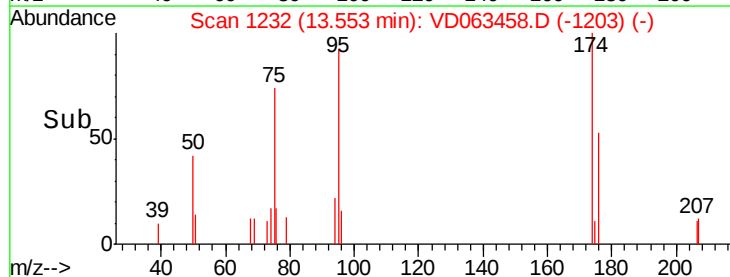
1500

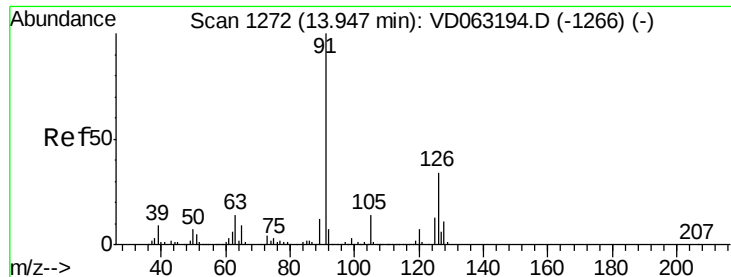
1000

500

0

Time-->





#82

4-Chlorotoluene

Concen: 1.187 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

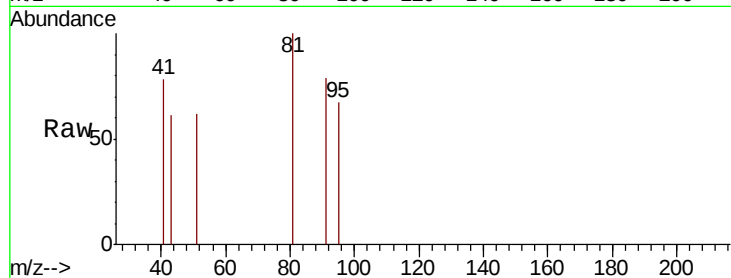
SP-12

Tgt Ion: 91 Resp: 475

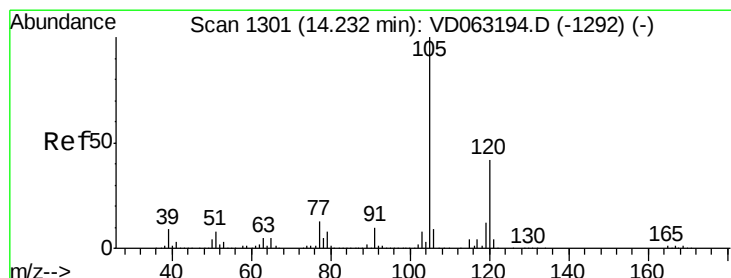
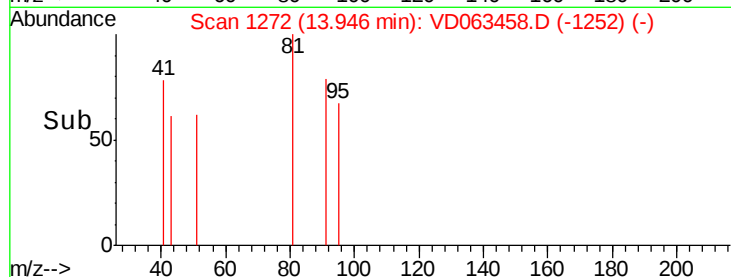
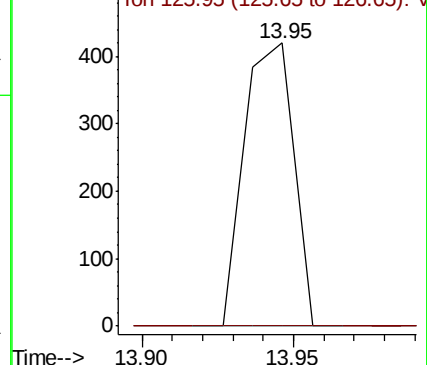
Ion Ratio Lower Upper

91 100

126 0.0 17.1 51.2#



Abundance Ion 91.00 (90.70 to 91.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.264 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD063458.D

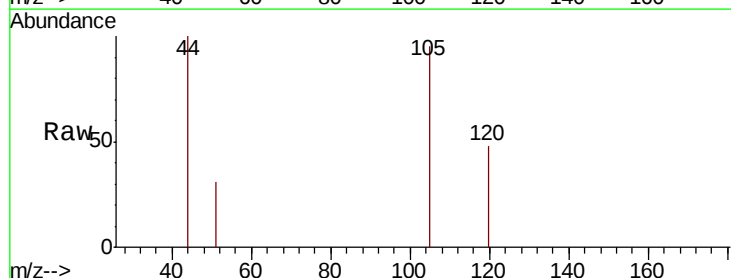
Acq: 9 Aug 2019 2:03

Tgt Ion: 105 Resp: 556

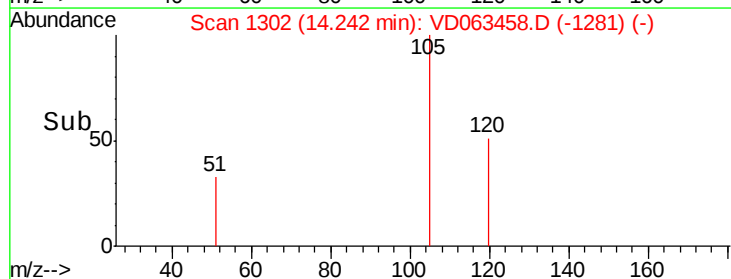
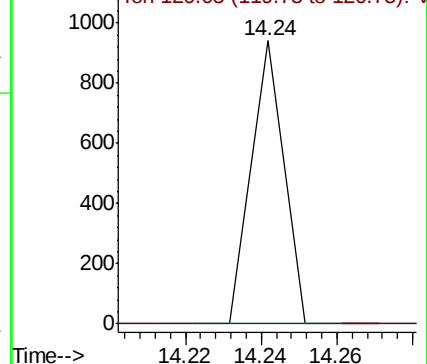
Ion Ratio Lower Upper

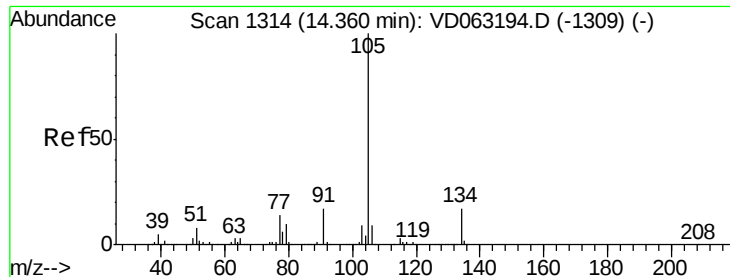
105 100

120 0.0 20.9 62.7#



Abundance Ion 105.05 (104.75 to 105.75): V

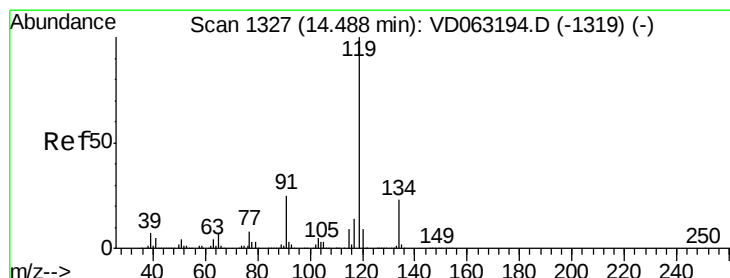
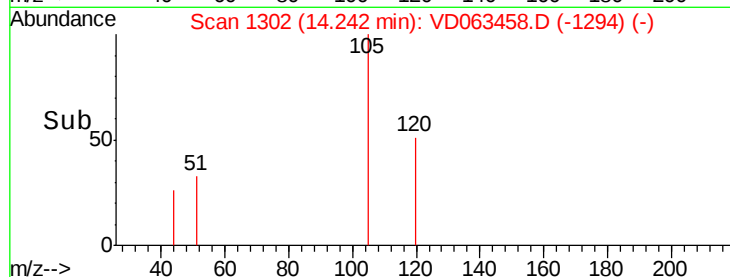
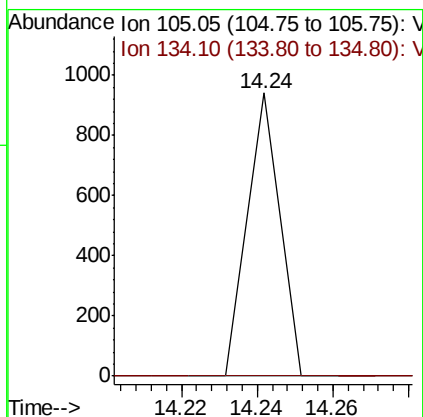
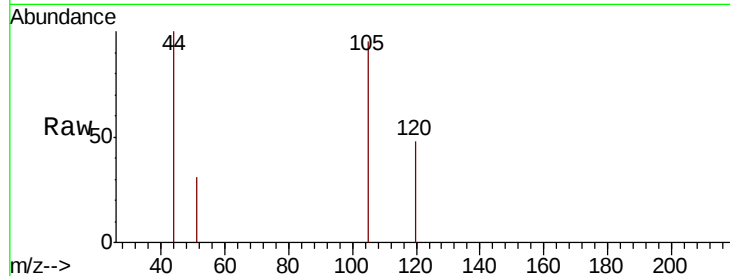




#85
 sec-Butylbenzene
 Concen: 1.087 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.12 min
 Lab File: VD063458.D
 Acq: 9 Aug 2019 2:03

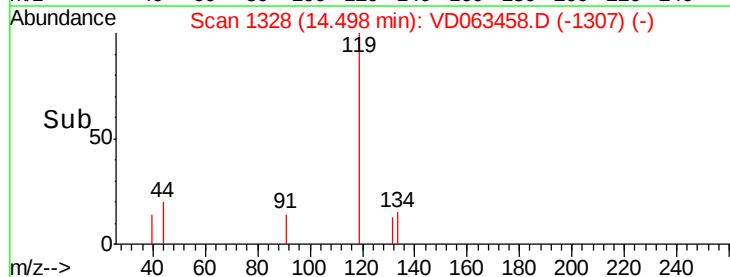
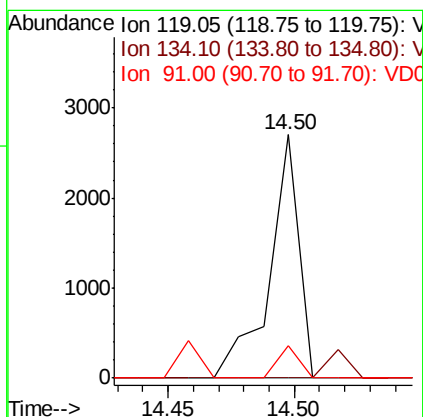
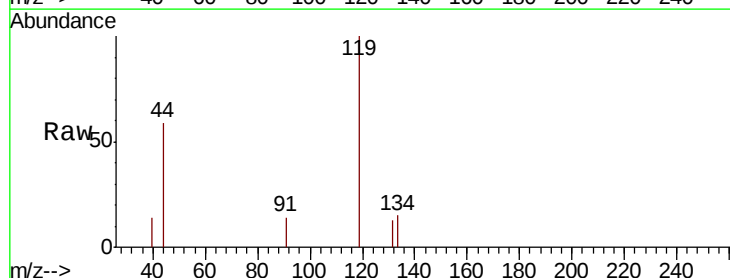
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-12

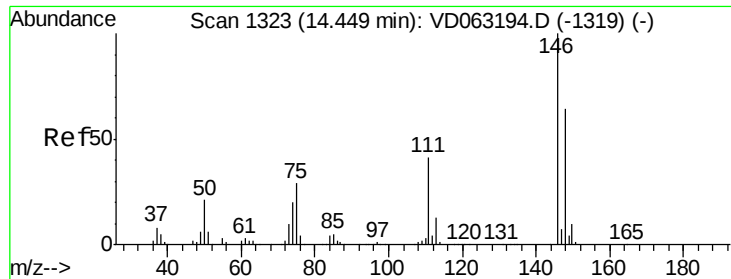
Tgt Ion:105 Resp: 556
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.3 24.9#



#86
 p-Isopropyltoluene
 Concen: 4.532 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD063458.D
 Acq: 9 Aug 2019 2:03

Tgt Ion:119 Resp: 2213
 Ion Ratio Lower Upper
 119 100
 134 0.0 11.5 34.5#
 91 13.6 12.6 37.6

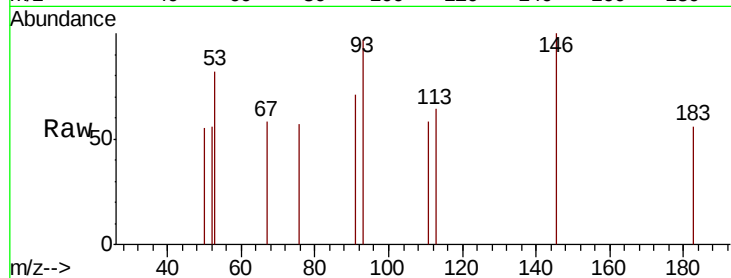




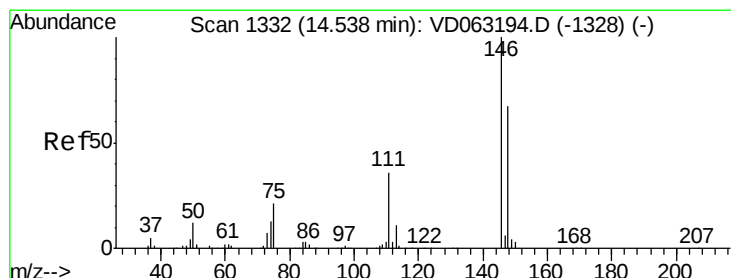
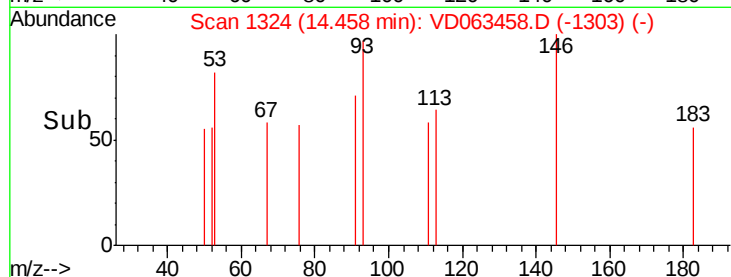
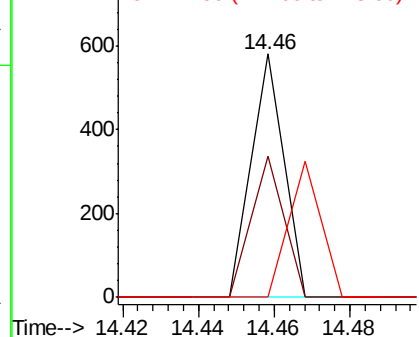
#87
 1,3-Dichlorobenzene
 Concen: 1.379 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD063458.D
 Acq: 9 Aug 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleID :
 SP-12

Tgt Ion:146 Resp: 343
 Ion Ratio Lower Upper
 146 100
 111 58.2 20.4 61.3
 148 0.0 31.8 95.4#

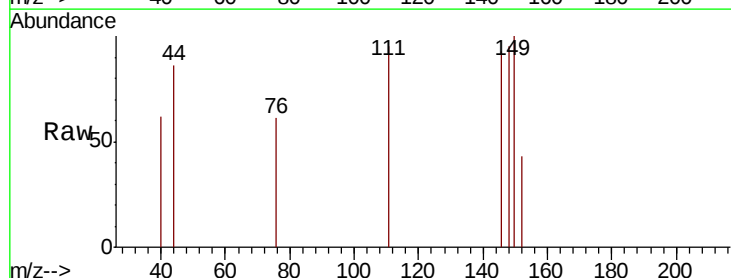


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

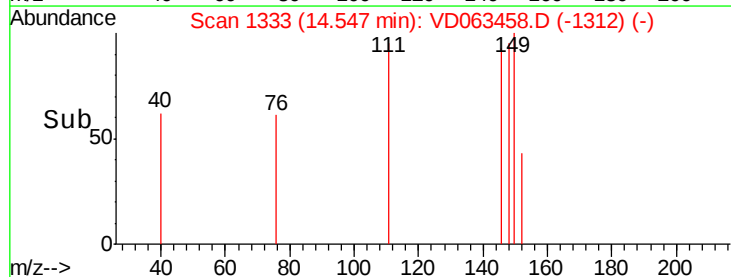
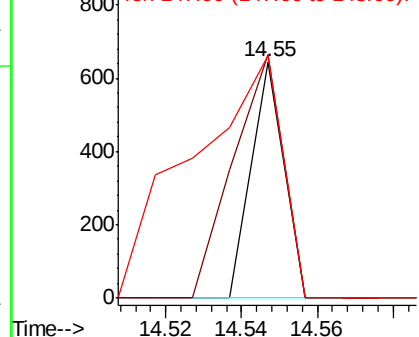


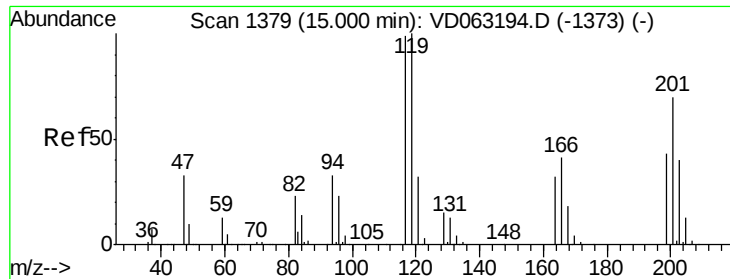
#88
 1,4-Dichlorobenzene
 Concen: 1.511 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD063458.D
 Acq: 9 Aug 2019 2:03

Tgt Ion:146 Resp: 380
 Ion Ratio Lower Upper
 146 100
 111 103.1 18.1 54.3#
 148 102.8 33.4 100.1#



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 1.454 ug/l

RT: 15.15 min Scan# 1394

Delta R.T. 0.15 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

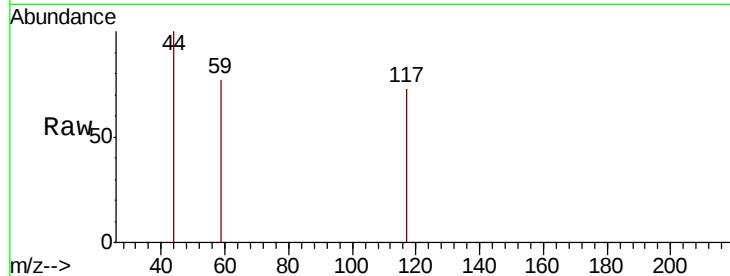
SP-12

Tgt Ion:117 Resp: 185

Ion Ratio Lower Upper

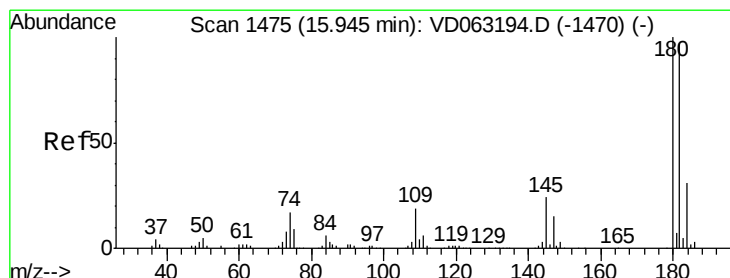
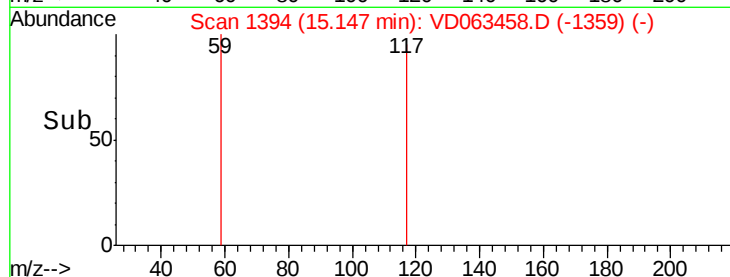
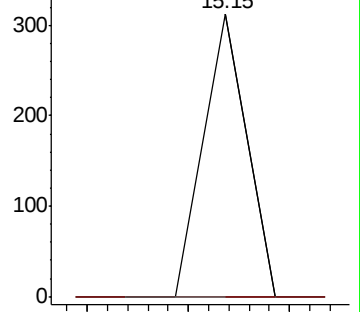
117 100

201 0.0 35.2 105.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#93

1,2,4-Trichlorobenzene

Concen: 1.524 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. -0.00 min

Lab File: VD063458.D

Acq: 9 Aug 2019 2:03

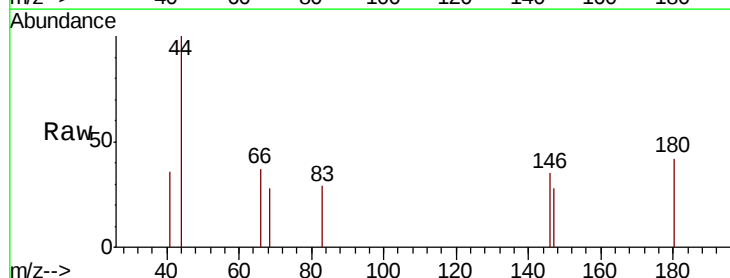
Tgt Ion:180 Resp: 262

Ion Ratio Lower Upper

180 100

182 0.0 48.6 145.8#

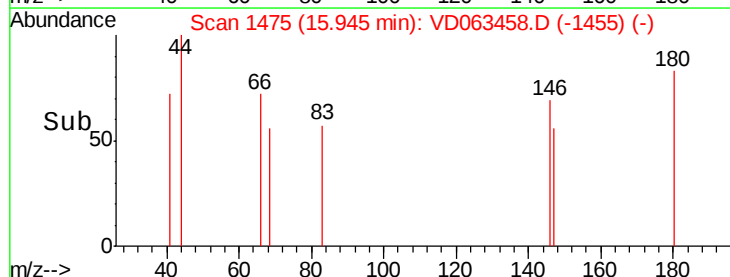
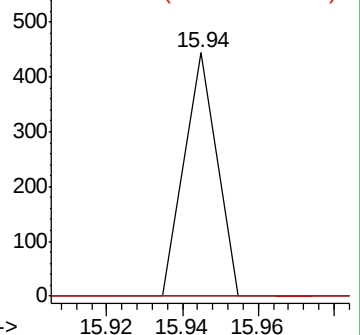
145 0.0 12.2 36.6#

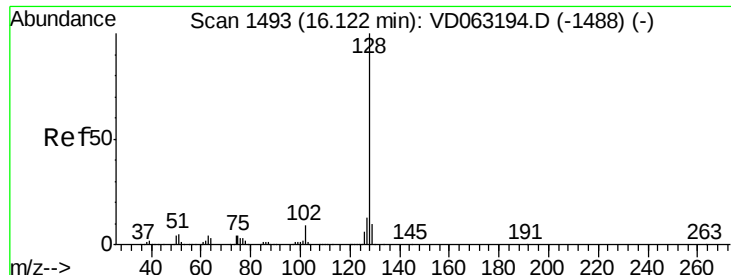


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#95
Naphthalene
Concen: 10.292 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD063458.D
Acq: 9 Aug 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
SP-12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	0.0	7.8	11.8#

