

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063972.D
 Acq On : 15 Oct 2019 15:20
 Operator : VA/SY
 Sample : K5355-06RE
 Misc : 6.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC-33RE

Quant Time: Oct 16 02:15:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	10188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	17738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	17521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	10613	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	7802	78.66	ug/l	0.01
Spiked Amount	50.000		Recovery	=	157.32%	
35) Dibromofluoromethane	7.92	113	6895	63.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.22%	
50) Toluene-d8	10.34	98	21328	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.64	95	8167	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

					Qvalue	
3) Chloromethane	2.21	50	113	Below Cal	#	40
4) Vinyl Chloride	2.37	62	235	1.006	ug/l #	43
6) Chloroethane	2.93	64	185	1.198	ug/l #	46
8) Diethyl Ether	3.61	74	63	1.271	ug/l	91
11) Tert butyl alcohol	5.26	59	73	2.659	ug/l #	71
13) Acrolein	3.76	56	60	6.773	ug/l #	56
14) Allyl chloride	4.67	41	165	1.162	ug/l #	1
15) Acrylonitrile	5.56	53	55	2.517	ug/l #	1
16) Acetone	4.16	43	7291	282.334	ug/l	99
18) Methyl Acetate	4.72	43	167	3.306	ug/l #	49
20) Methylene Chloride	4.96	84	58	Below Cal	#	56
25) 2-Butanone	7.23	43	84	2.745	ug/l #	51
28) Bromochloromethane	7.54	49	58	2.687	ug/l #	10
29) Tetrahydrofuran	7.57	42	234	13.100	ug/l #	75
31) Cyclohexane	7.99	56	168	Below Cal	#	14
36) 1,1-Dichloropropene	7.99	75	951	5.864	ug/l #	56
37) Ethyl Acetate	7.31	43	58	Below Cal	#	1
41) Methacrylonitrile	7.58	41	132	3.510	ug/l #	1
48) Methyl methacrylate	9.47	41	171	2.624	ug/l #	9
49) 1,4-Dioxane	9.51	88	60	67.847	ug/l #	1
51) 4-Methyl-2-Pentanone	10.26	43	122	1.730	ug/l #	34
55) 1,1,2-Trichloroethane	10.77	97	186	2.033	ug/l #	14
58) 2-Chloroethyl Vinyl ether	9.96	63	76	1.526	ug/l #	44
59) 2-Hexanone	10.99	43	57	1.117	ug/l #	24
60) Dibromochloromethane	11.40	129	123	1.033	ug/l #	9
74) N-amyl acetate	12.27	43	219	1.426	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.73	83	319	2.569	ug/l #	26
76) 1,2,3-Trichloropropane	12.78	75	294	4.136	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	4302	107.098	ug/l #	13
90) Hexachloroethane	14.04	117	179	1.470	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.67	75	66	1.014	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.16	180	289	1.237	ug/l #	12

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QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

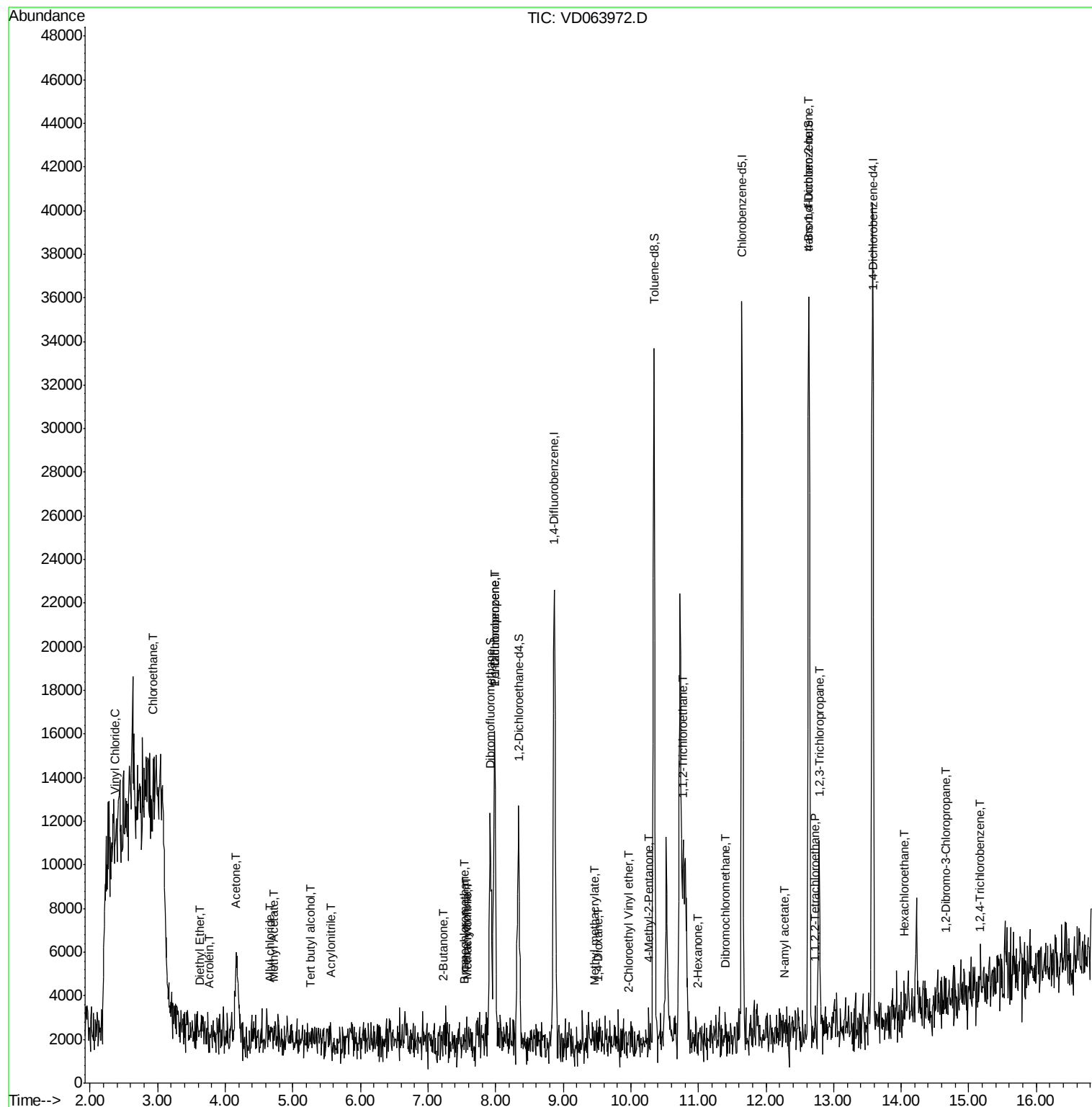
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

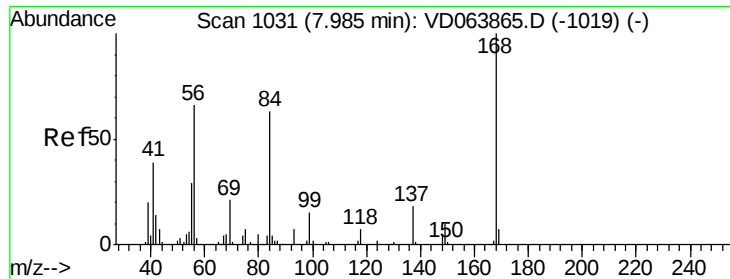
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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QLast Update : Sat Oct 05 03:51:17 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

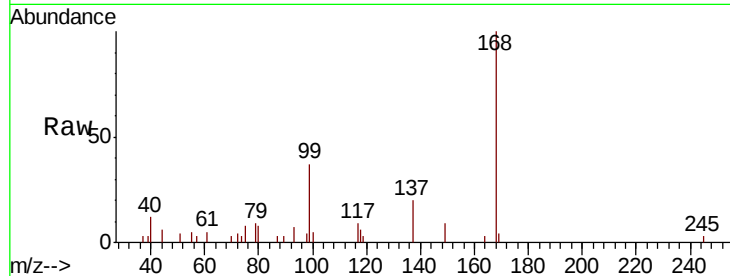
VOC-33RE

Tot Ion:168 Resp: 10188

Ion Ratio Lower Upper

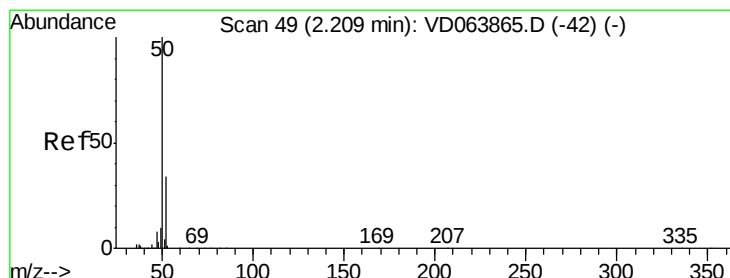
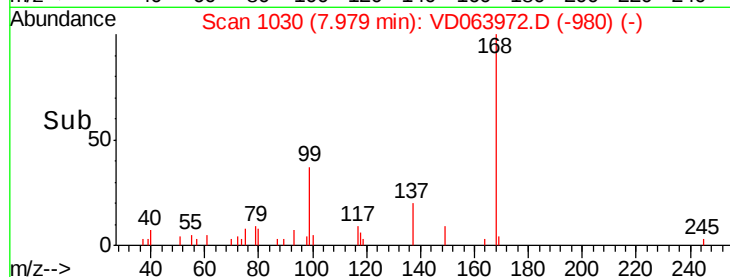
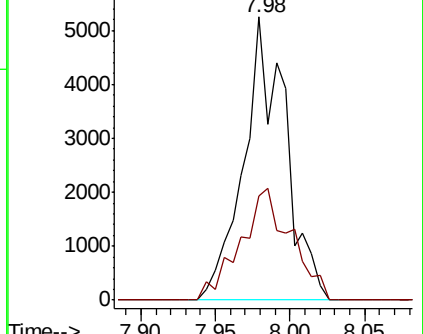
168 100

99 36.7 43.0 64.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063972.D

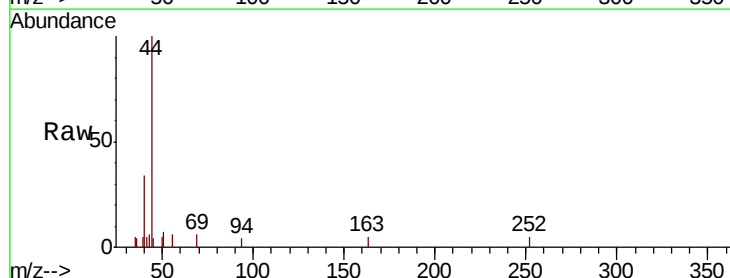
Acq: 15 Oct 2019 15:20

Tgt Ion: 50 Resp: 113

Ion Ratio Lower Upper

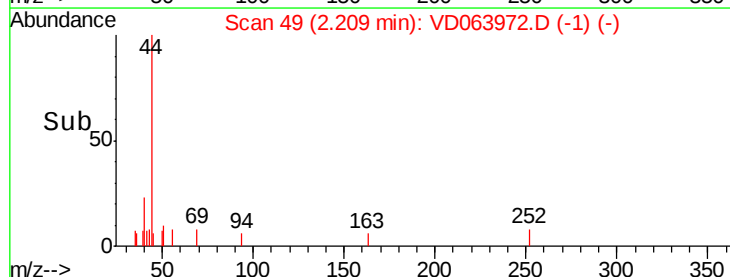
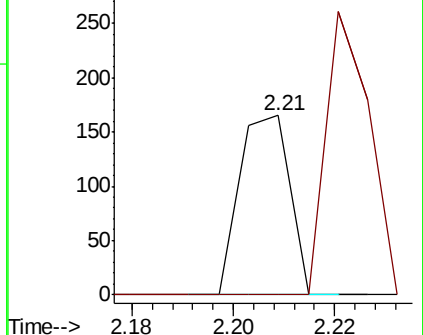
50 100

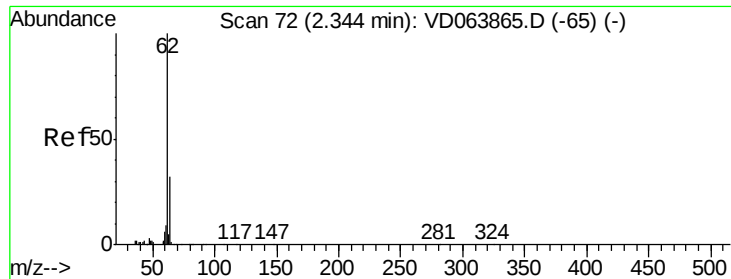
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.006 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

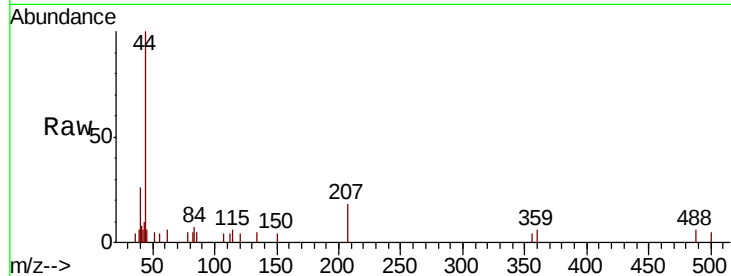
VOC-33RE

Tot Ion: 62 Resp: 235

Ion Ratio Lower Upper

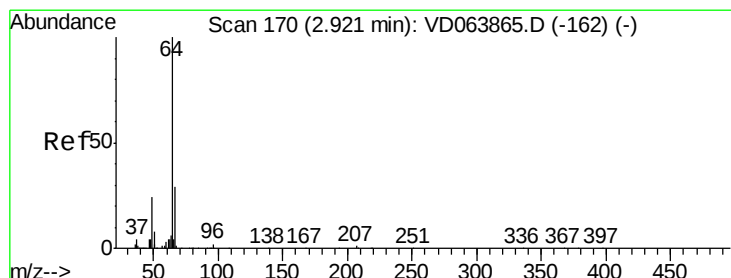
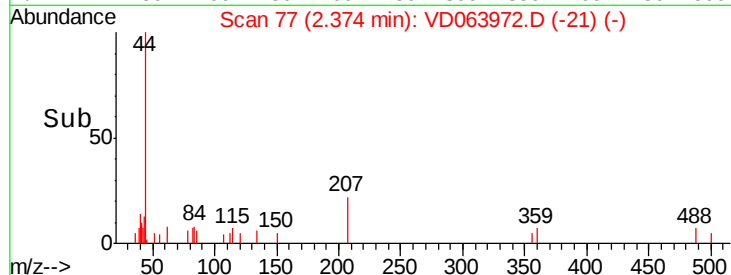
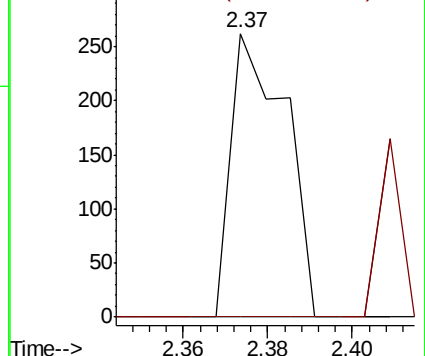
62 100

64 0.0 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



#6

Chloroethane

Concen: 1.198 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063972.D

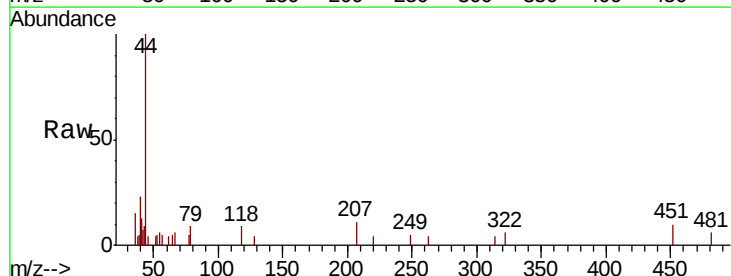
Acq: 15 Oct 2019 15:20

Tgt Ion: 64 Resp: 185

Ion Ratio Lower Upper

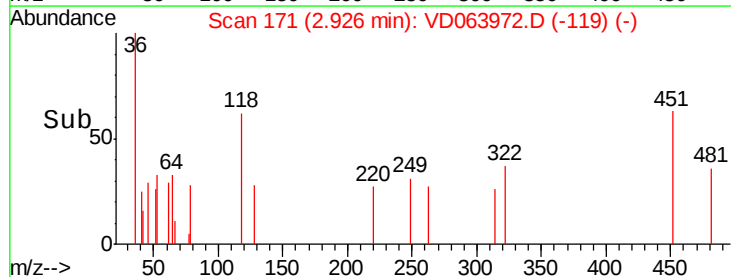
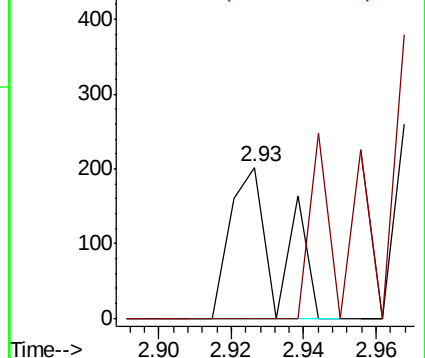
64 100

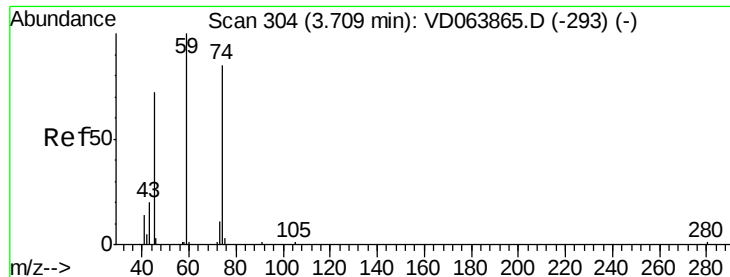
66 0.0 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#8

Diethyl Ether

Concen: 1.271 ug/l

RT: 3.61 min Scan# 288

Delta R.T. -0.09 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

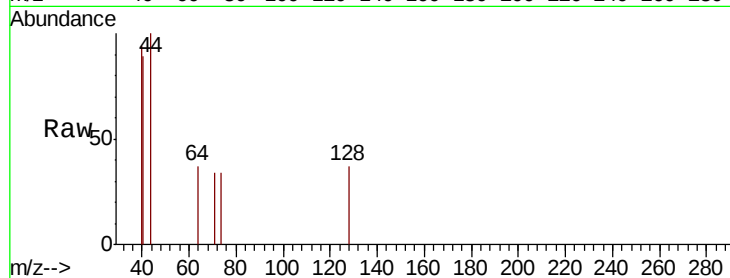
VOC-33RE

Tot Ion: 74 Resp: 63

Ion Ratio Lower Upper

74 100

45 104.8 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.61

150

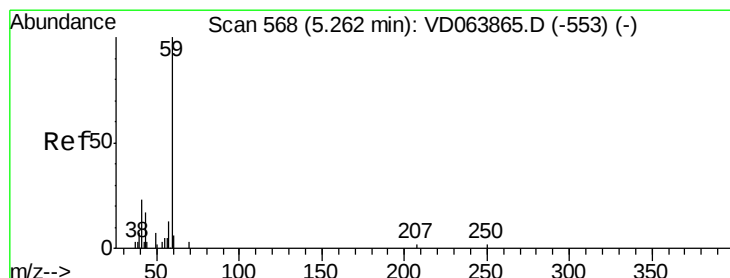
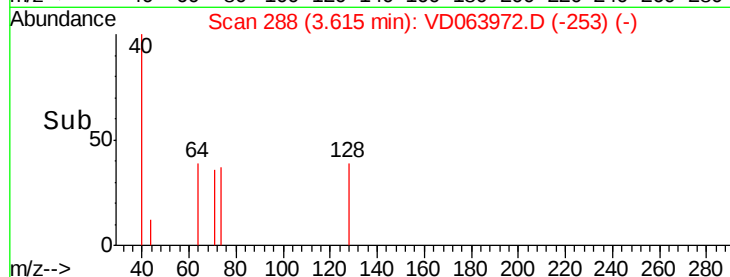
100

50

0

3.60 3.61 3.62 3.63

Time-->



#11

Tert butyl alcohol

Concen: 2.659 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.00 min

Lab File: VD063972.D

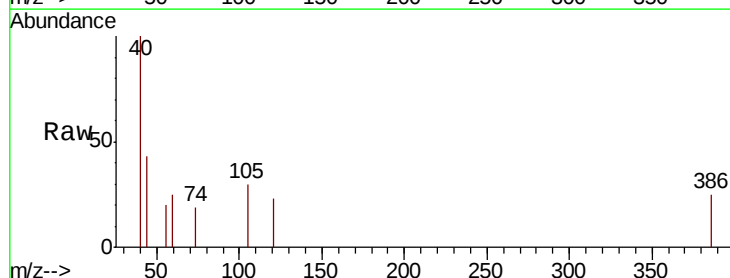
Acq: 15 Oct 2019 15:20

Tgt Ion: 59 Resp: 73

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.26

200

150

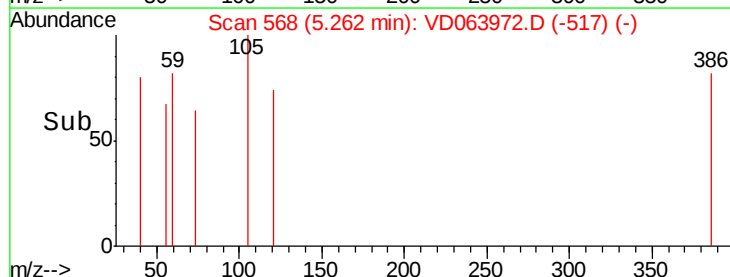
100

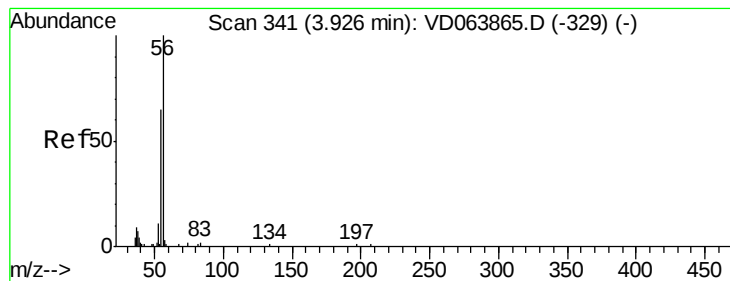
50

0

5.24 5.25 5.26 5.27 5.28

Time-->





#13

Acrolein

Concen: 6.773 ug/l

RT: 3.76 min Scan# 312

Delta R.T. -0.17 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

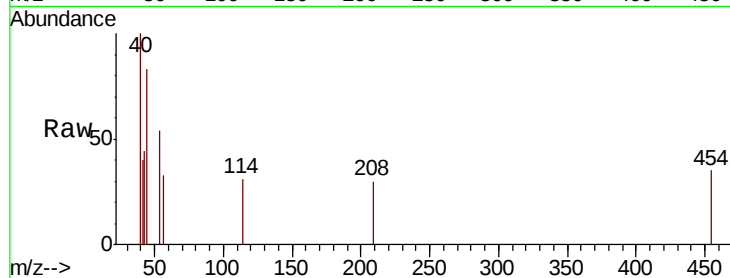
VOC-33RE

Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

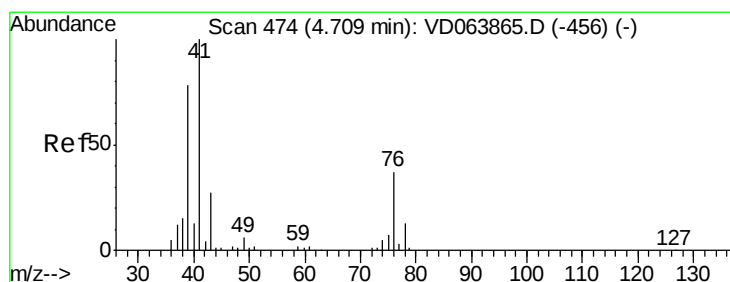
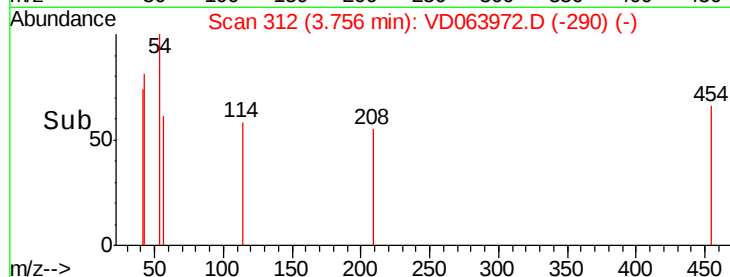
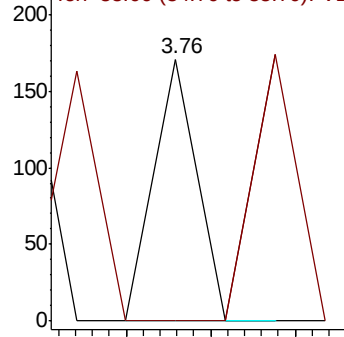
56 100

55 101.7 53.0 79.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 1.162 ug/l

RT: 4.67 min Scan# 468

Delta R.T. -0.04 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

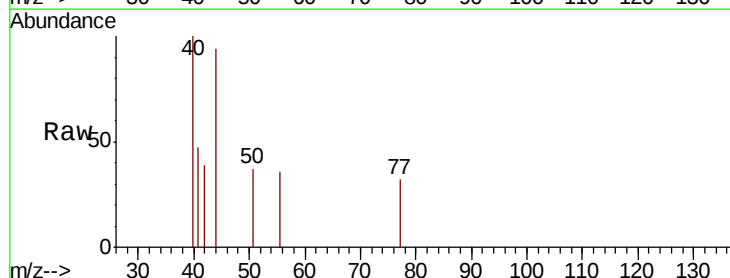
Tgt Ion: 41 Resp: 165

Ion Ratio Lower Upper

41 100

39 230.3 61.8 92.6#

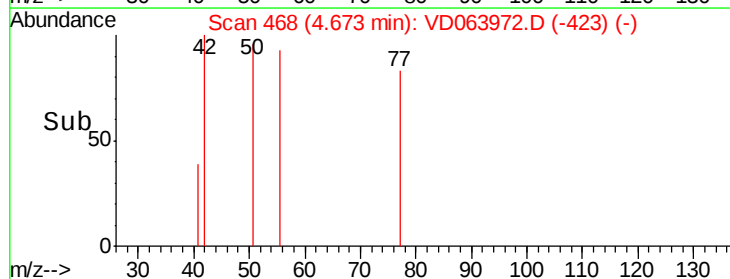
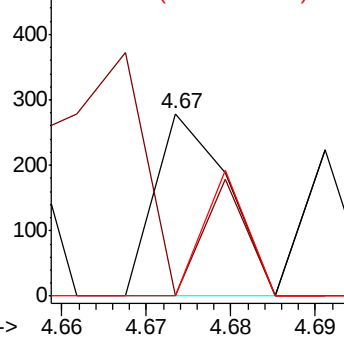
76 41.2 31.3 46.9

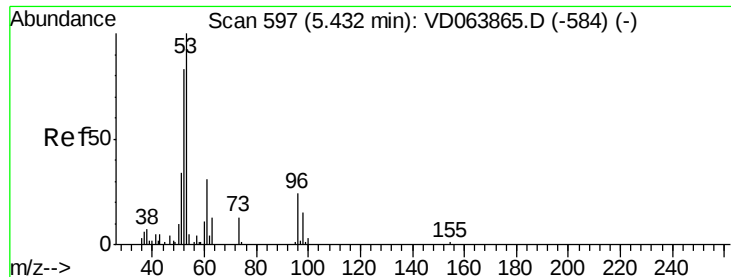


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 2.517 ug/l

RT: 5.56 min Scan# 618

Delta R.T. 0.12 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleID :

VOC-33RE

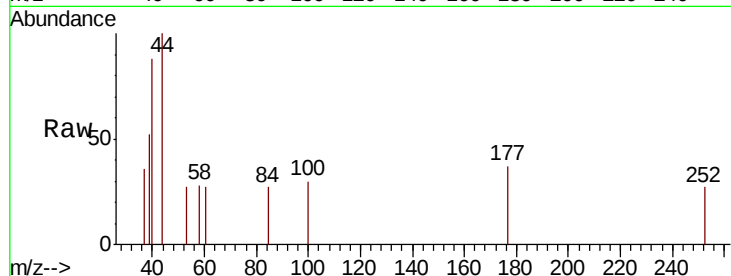
Tot Ion: 53 Resp: 55

Ion Ratio Lower Upper

53 100

52 0.0 67.3 100.9#

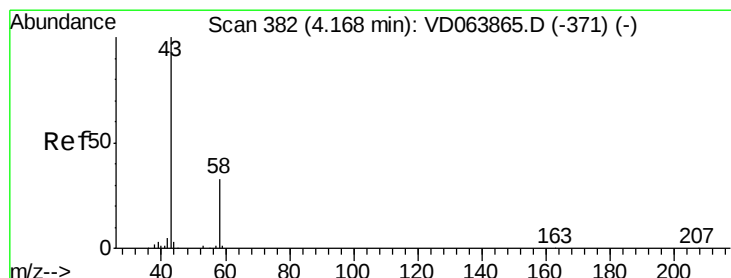
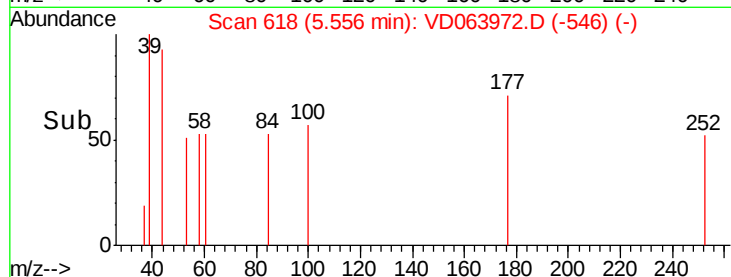
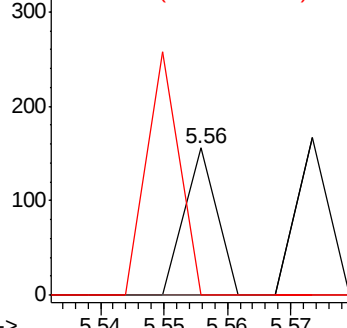
51 165.5 30.5 45.7#



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: 282.334 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD063972.D

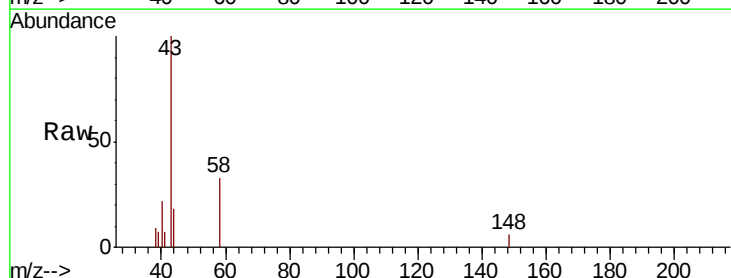
Acq: 15 Oct 2019 15:20

Tgt Ion: 43 Resp: 7291

Ion Ratio Lower Upper

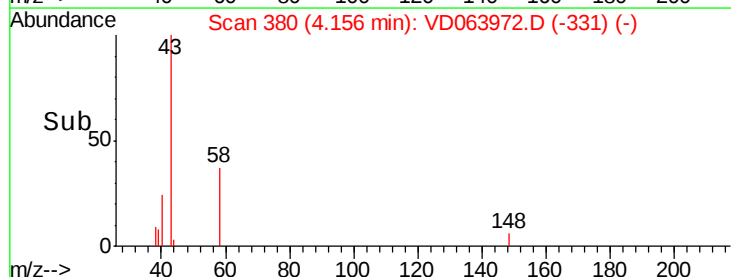
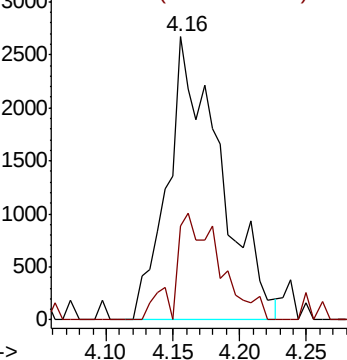
43 100

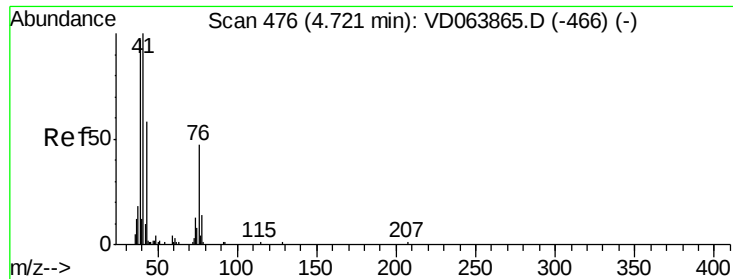
58 33.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

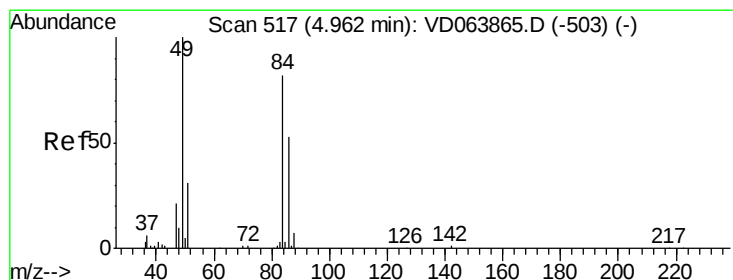
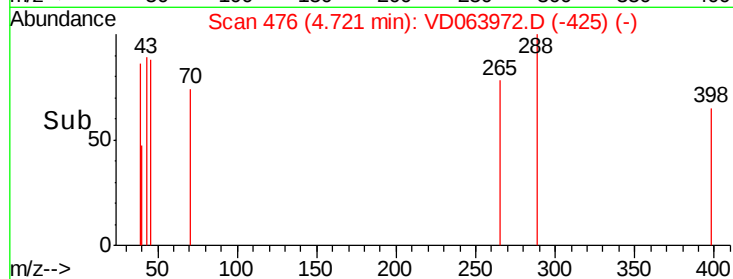
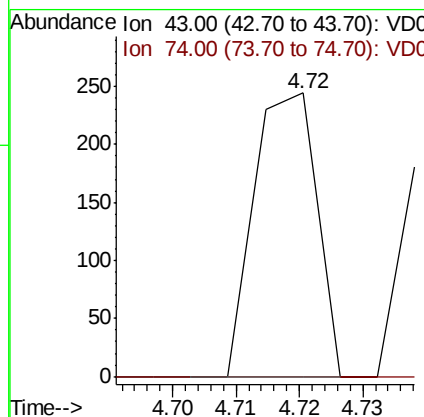
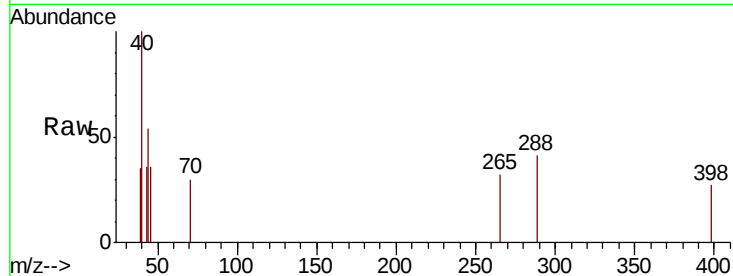




#18
Methyl Acetate
Concen: 3.306 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

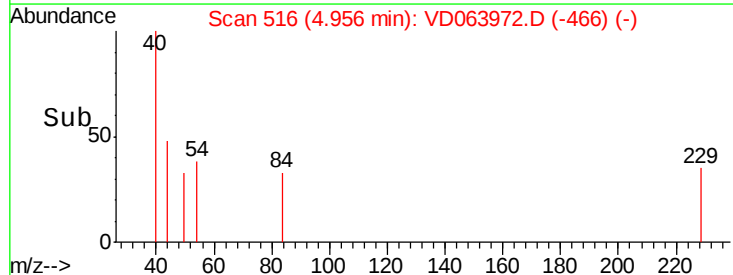
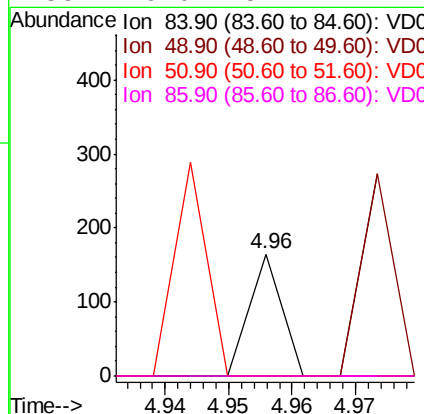
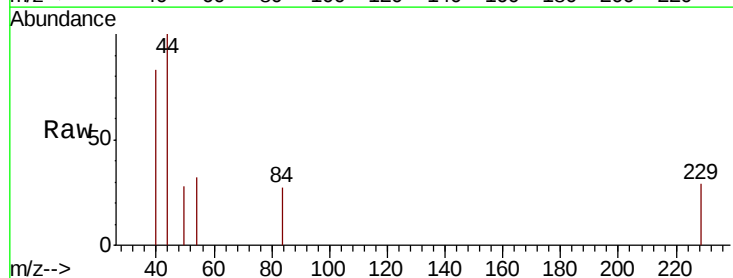
Instrument :
MSVOA_D
ClientSampleId :
VOC-33RE

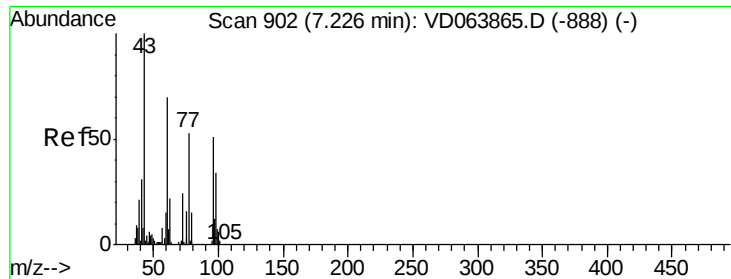
Tot Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

Tgt Ion: 84 Resp: 58
Ion Ratio Lower Upper
84 100
49 101.8 97.3 145.9
51 0.0 30.1 45.1#
86 0.0 51.4 77.2#

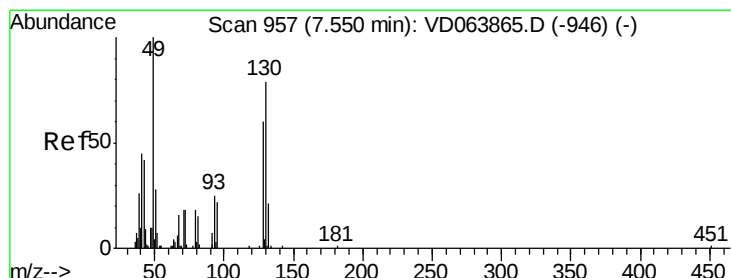
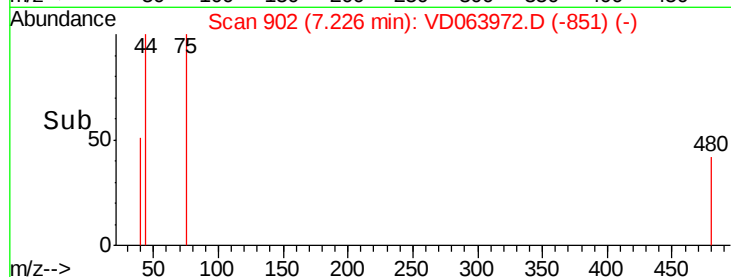
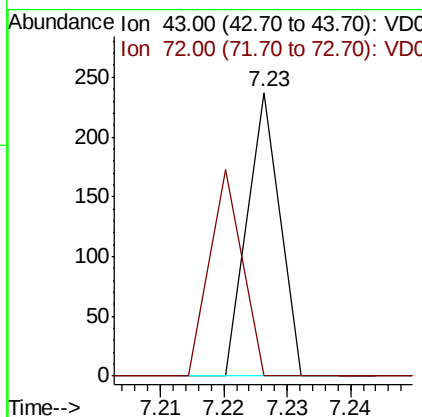
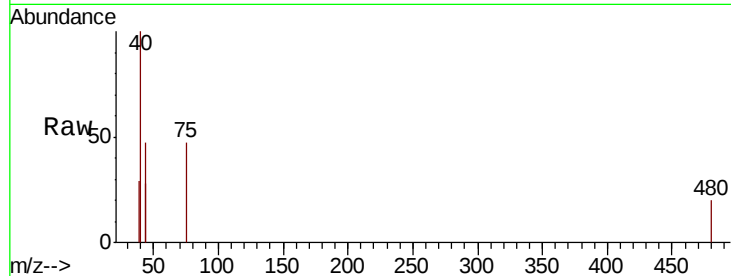




#25
2-Butanone
Concen: 2.745 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

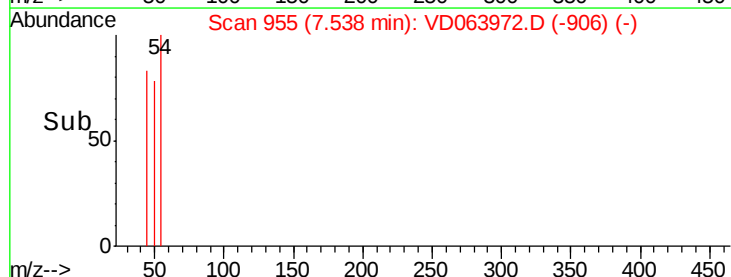
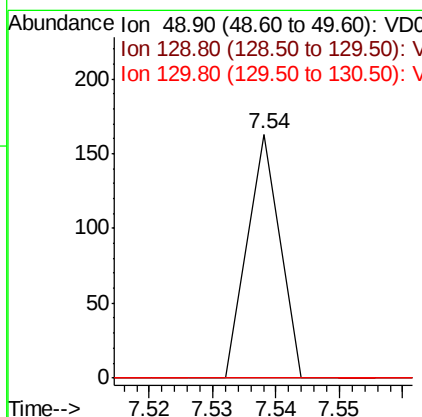
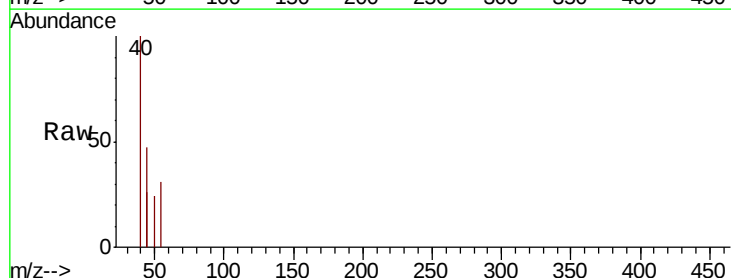
Instrument :
MSVOA_D
ClientSampleId :
VOC-33RE

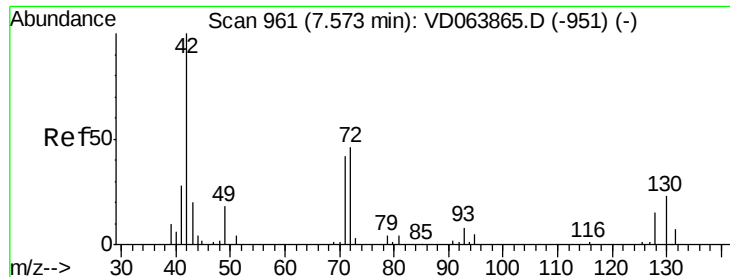
Tot Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#28
Bromochloromethane
Concen: 2.687 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

Tgt Ion: 49 Resp: 58
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

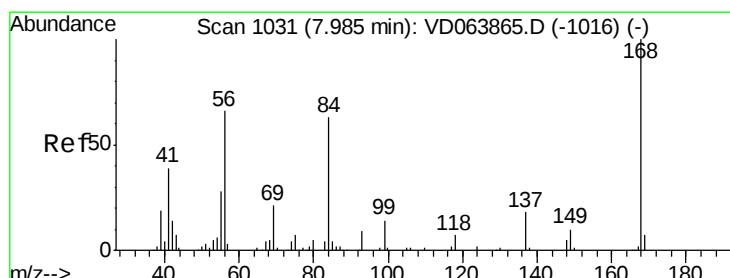
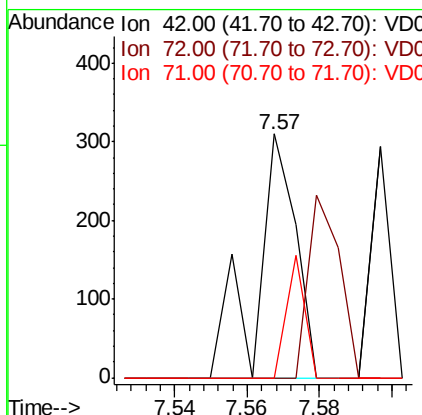
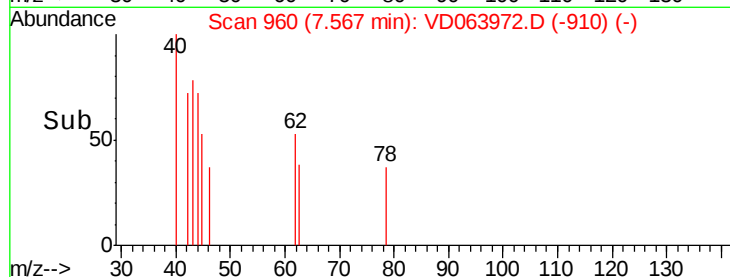
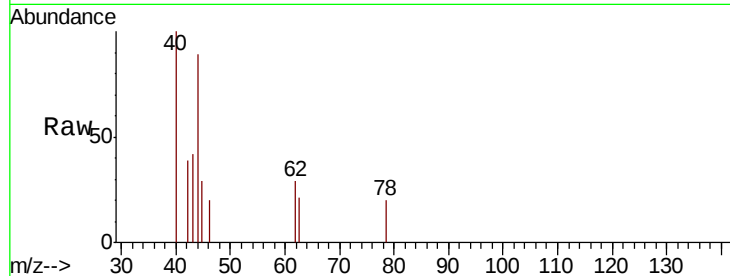




#29
Tetrahydrofuran
Concen: 13.100 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

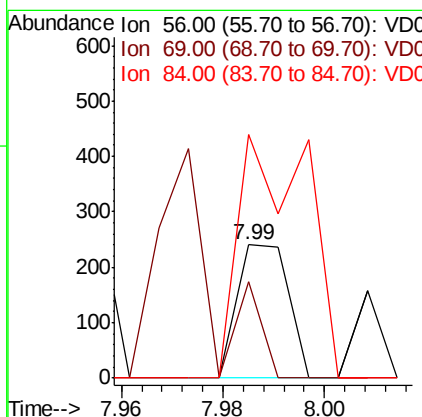
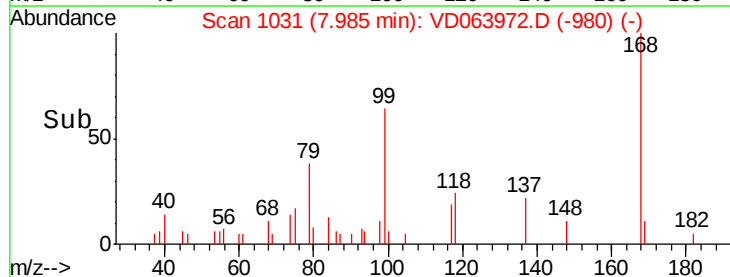
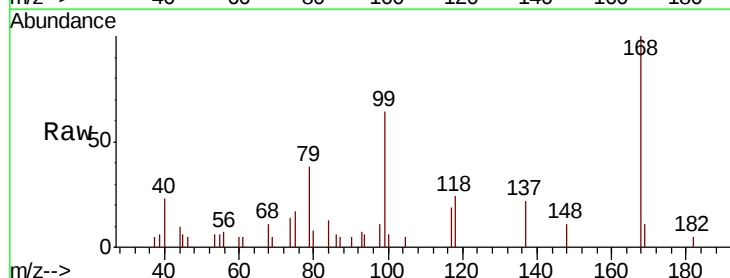
Instrument :
MSVOA_D
ClientSampleId :
VOC-33RE

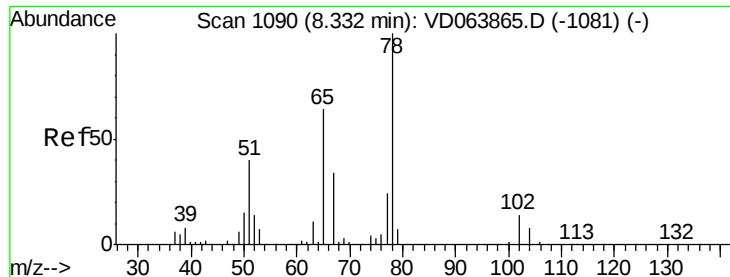
Tot Ion: 42 Resp: 234
Ion Ratio Lower Upper
42 100
72 59.8 37.6 56.4#
71 23.5 35.0 52.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

Tgt Ion: 56 Resp: 168
Ion Ratio Lower Upper
56 100
69 72.1 25.0 37.4#
84 182.9 76.3 114.5#





#33

1,2-Dichloroethane-d4

Concen: 78.659 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

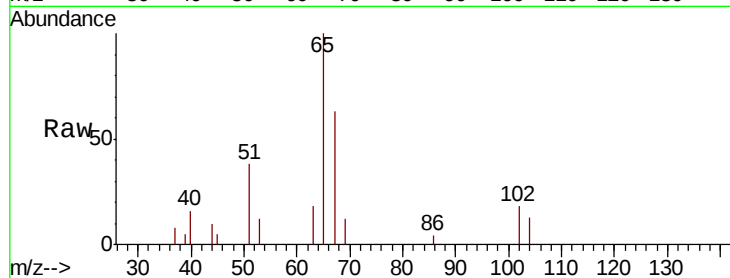
VOC-33RE

Tot Ion: 65 Resp: 7802

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

4000

3000

2000

1000

0

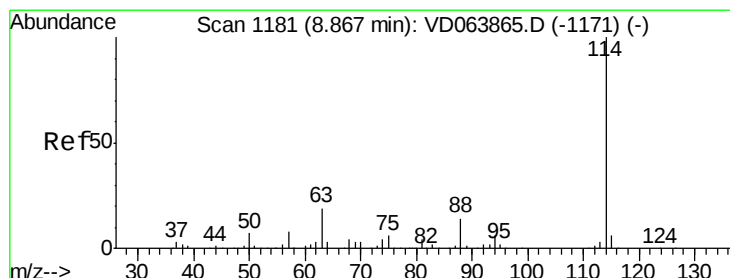
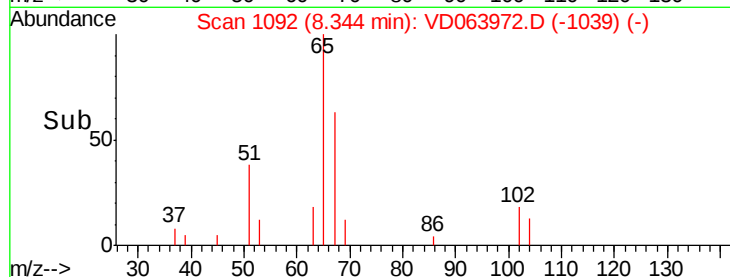
8.25

8.30

8.35

8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

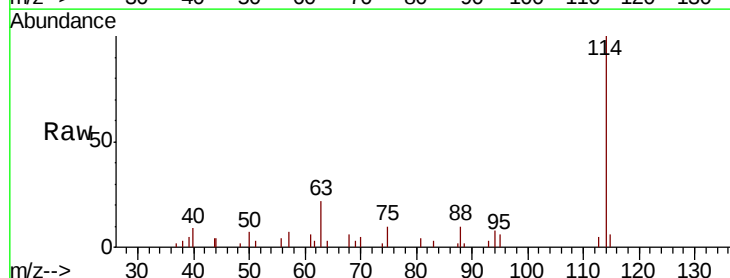
Tgt Ion: 114 Resp: 17738

Ion Ratio Lower Upper

114 100

63 22.4 0.0 38.4

88 9.5 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

12000

10000

8000

6000

4000

2000

0

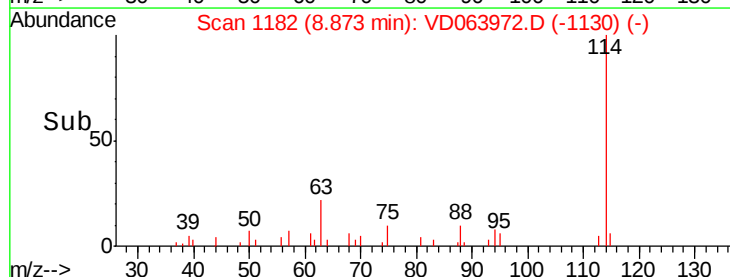
8.80

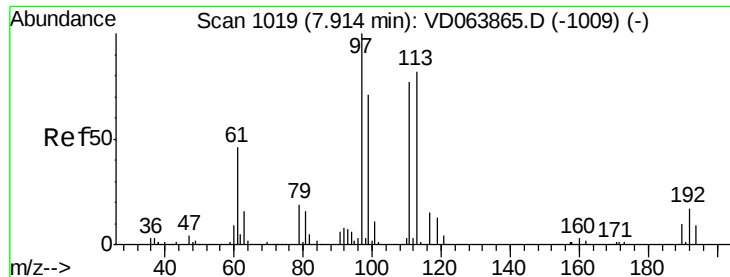
8.85

8.90

8.95

Time-->





#35

Dibromofluoromethane

Concen: 63.606 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

VOC-33RE

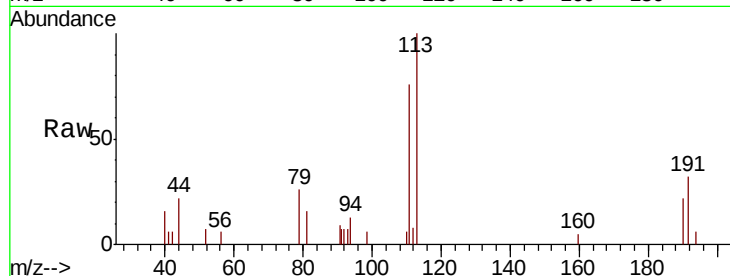
Tot Ion:113 Resp: 6895

Ion Ratio Lower Upper

113 100

111 96.5 82.6 123.8

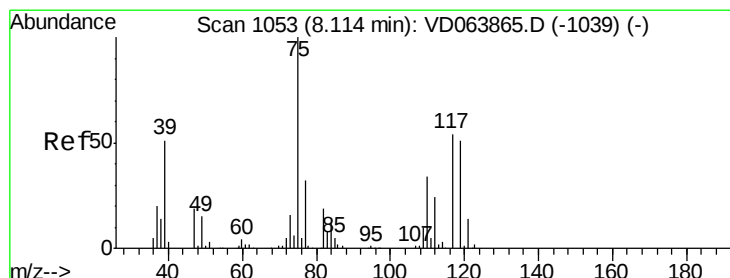
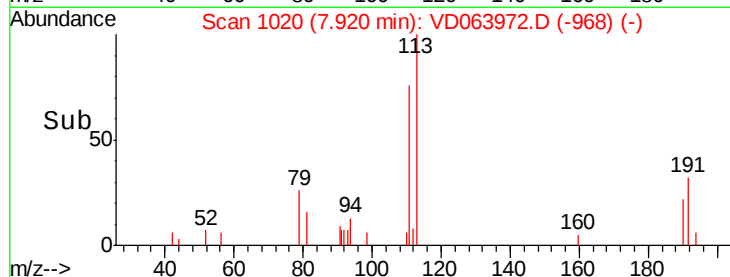
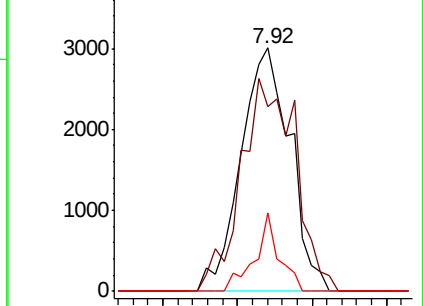
192 15.7 17.1 25.7#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.864 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

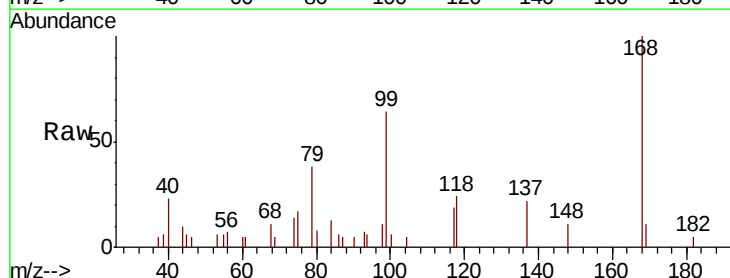
Tgt Ion: 75 Resp: 951

Ion Ratio Lower Upper

75 100

110 15.8 17.4 52.3#

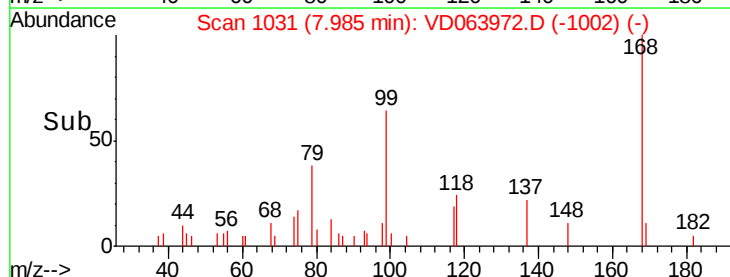
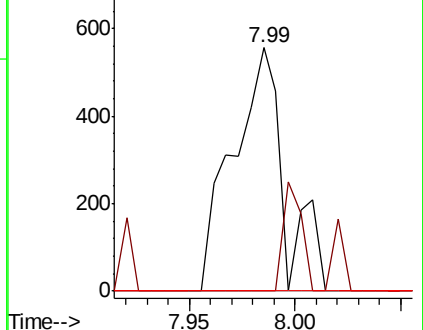
77 0.0 25.4 38.0#

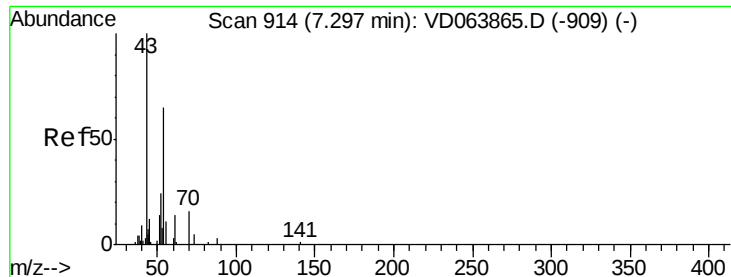


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

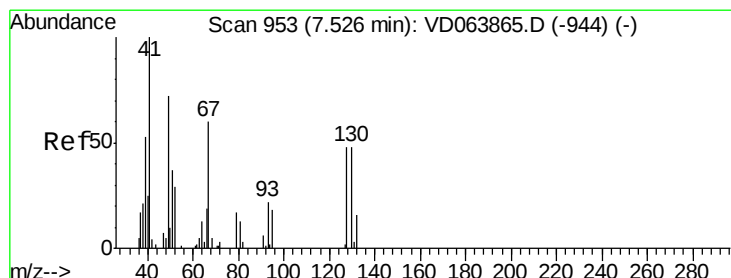
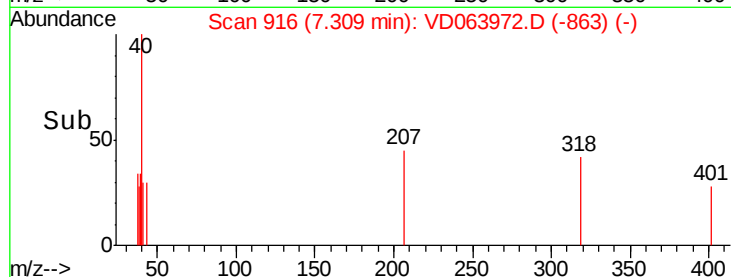
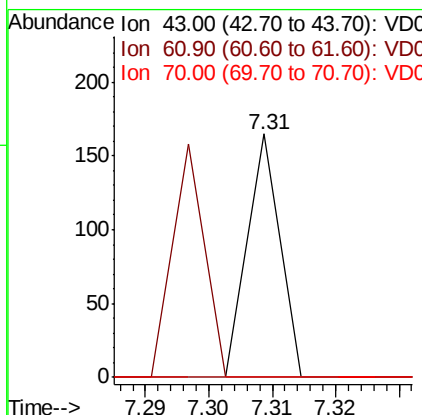
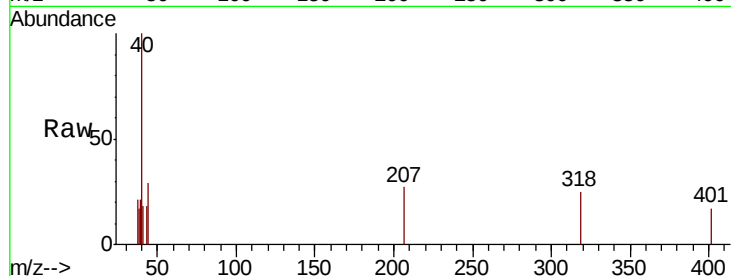




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

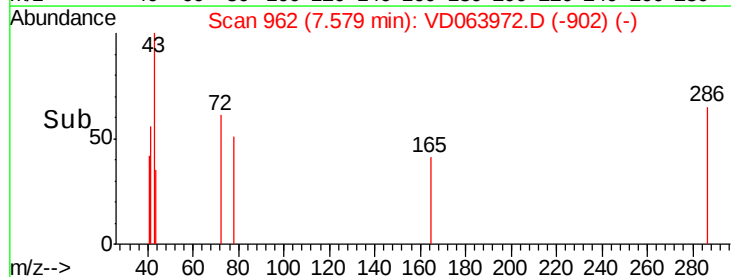
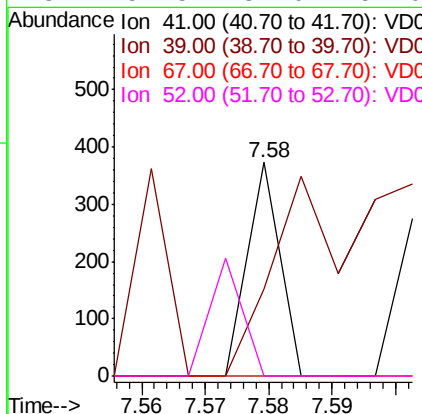
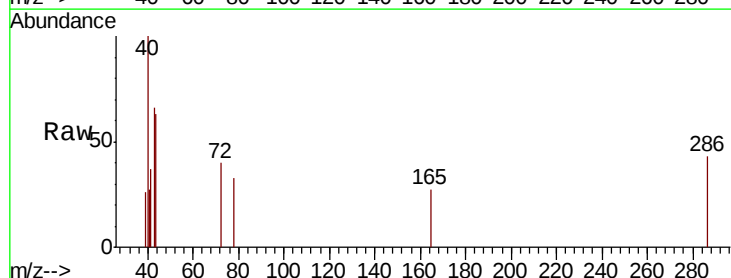
Instrument :
MSVOA_D
ClientSampleId :
VOC-33RE

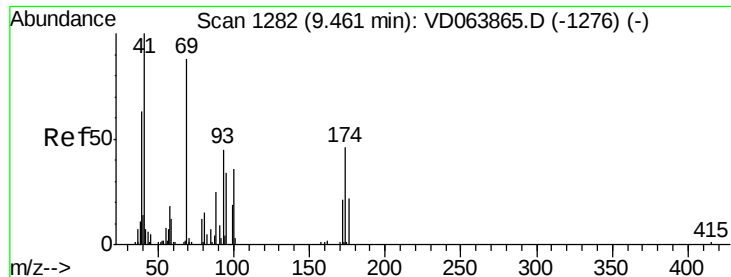
Tot Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
61 96.6 11.5 17.3#
70 0.0 8.2 12.4#



#41
Methacrylonitrile
Concen: 3.510 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.05 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

Tgt Ion: 41 Resp: 132
Ion Ratio Lower Upper
41 100
39 355.3 52.6 78.8#
67 0.0 74.2 111.2#
52 54.5 34.0 51.0#

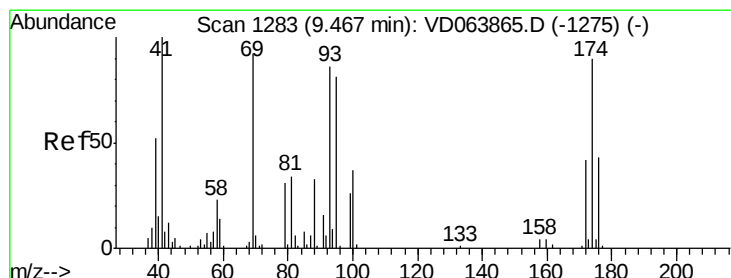
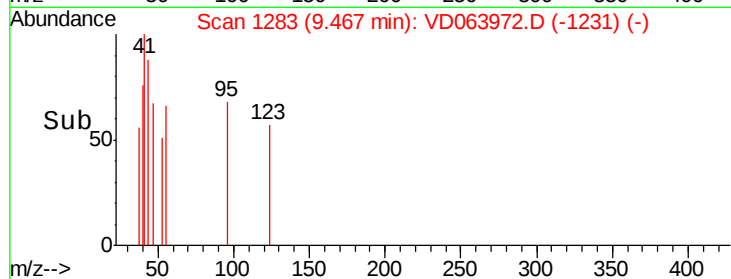
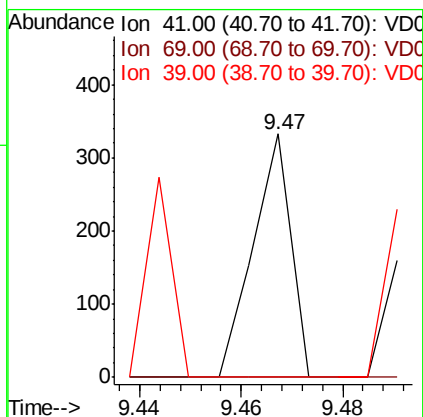
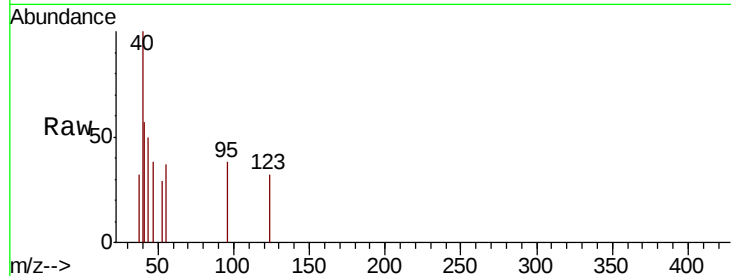




#48
Methyl methacrylate
Concen: 2.624 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

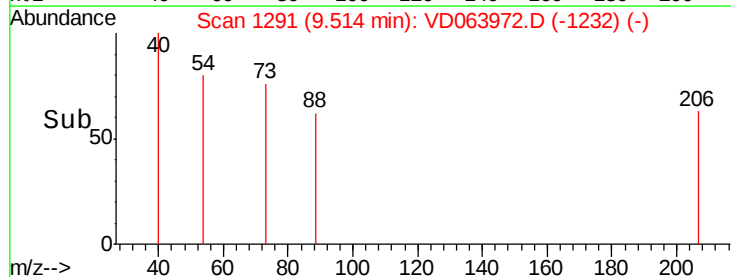
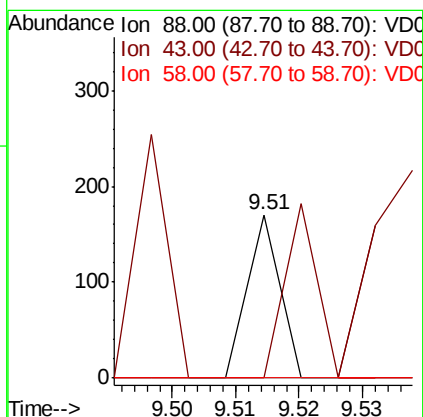
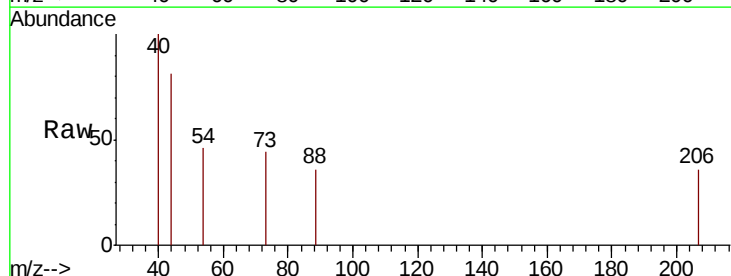
Instrument :
MSVOA_D
ClientSampleId :
VOC-33RE

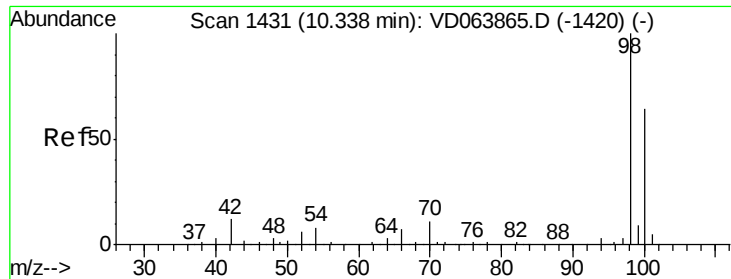
Tot Ion: 41 Resp: 171
Ion Ratio Lower Upper
41 100
69 0.0 75.1 112.7#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 67.847 ug/l
RT: 9.51 min Scan# 1291
Delta R.T. 0.05 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 150.0 27.6 41.4#
58 0.0 54.1 81.1#

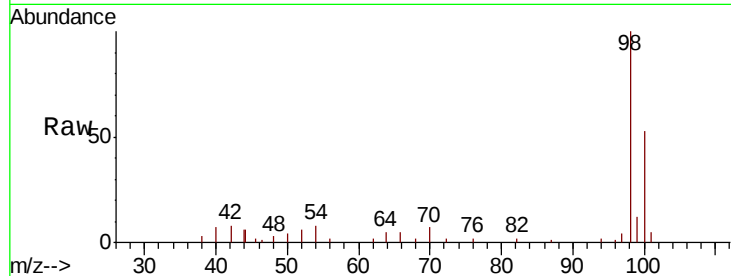




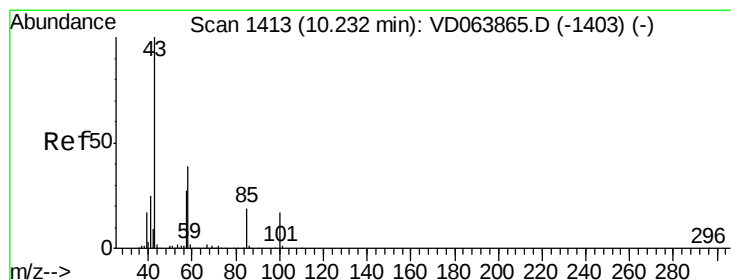
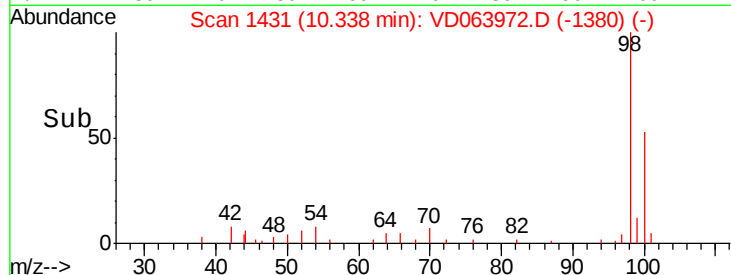
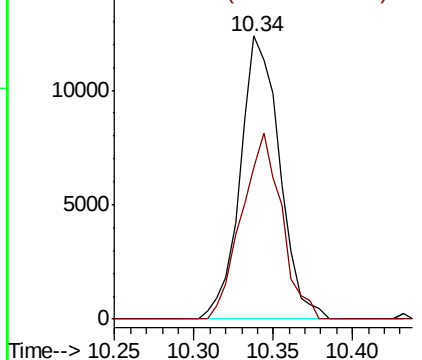
#50
Toluene-d8
Concen: 48.474 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

Instrument :
MSVOA_D
ClientSampleId :
VOC-33RE

Tot Ion: 98 Resp: 21328
Ion Ratio Lower Upper
98 100
100 66.9 52.1 78.1

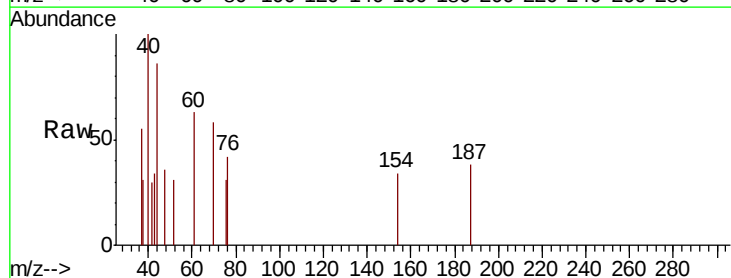


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

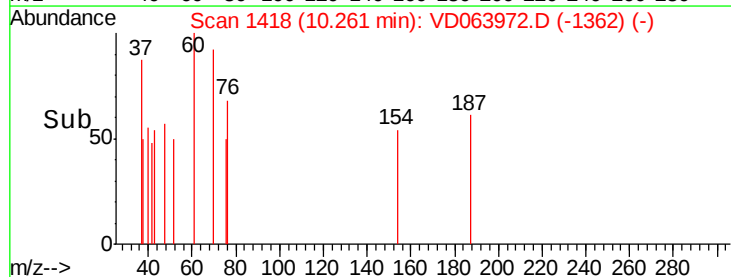
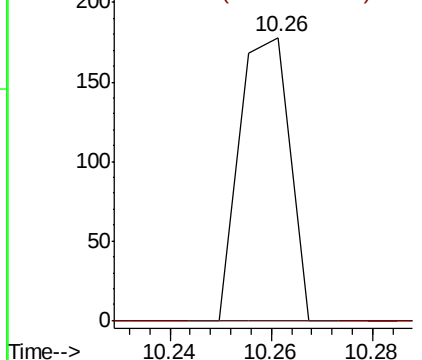


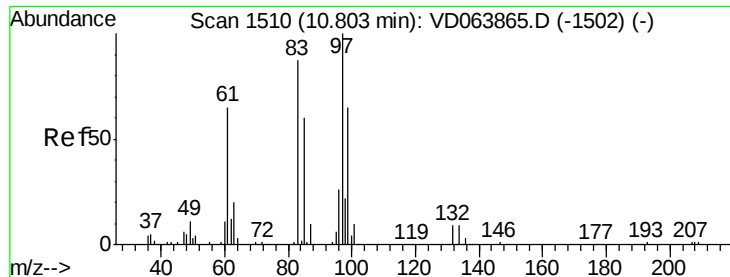
#51
4-Methyl-2-Pentanone
Concen: 1.730 ug/l
RT: 10.26 min Scan# 1418
Delta R.T. 0.03 min
Lab File: VD063972.D
Acq: 15 Oct 2019 15:20

Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
58 0.0 33.0 49.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#55

1,1,2-Trichloroethane

Concen: 2.033 ug/l

RT: 10.77 min Scan# 1504

Delta R.T. -0.04 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

VOC-33RE

Tot Ion: 97 Resp: 186

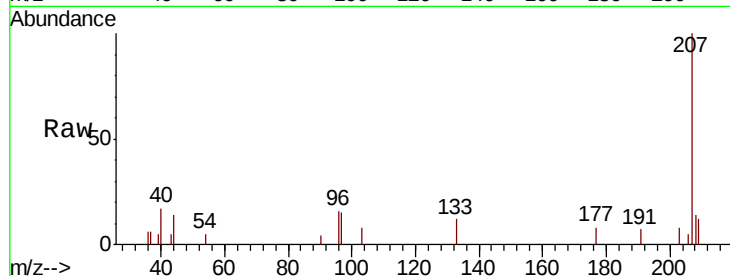
Ion Ratio Lower Upper

97 100

83 0.0 69.7 104.5#

85 0.0 48.1 72.1#

99 0.0 51.9 77.9#

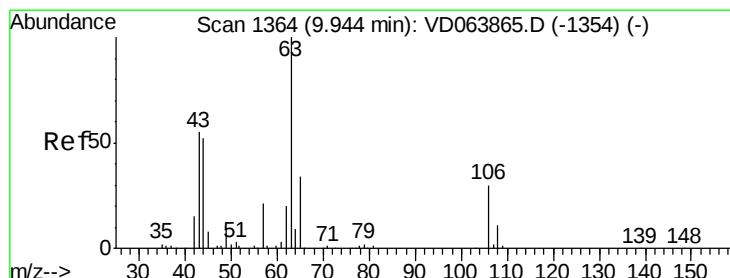
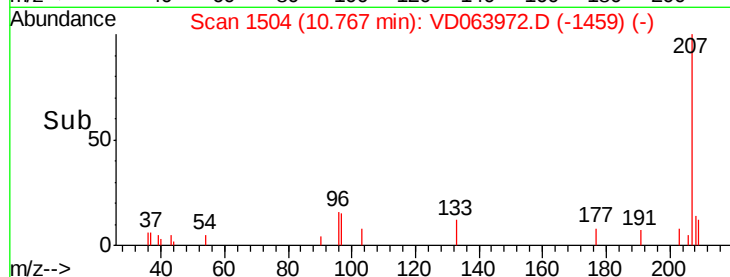
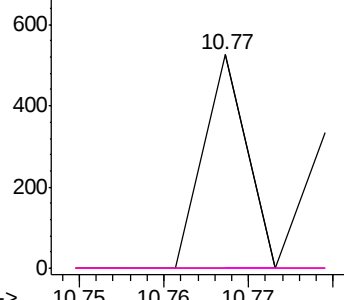


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 1.526 ug/l

RT: 9.96 min Scan# 1367

Delta R.T. 0.02 min

Lab File: VD063972.D

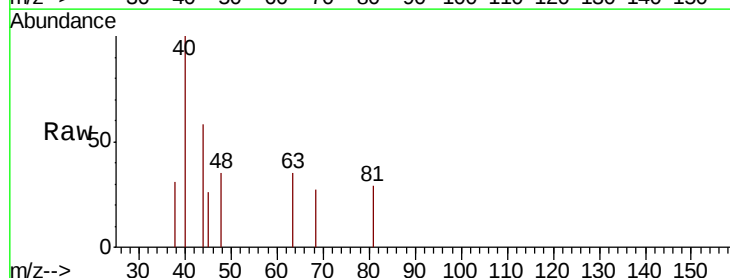
Acq: 15 Oct 2019 15:20

Tgt Ion: 63 Resp: 76

Ion Ratio Lower Upper

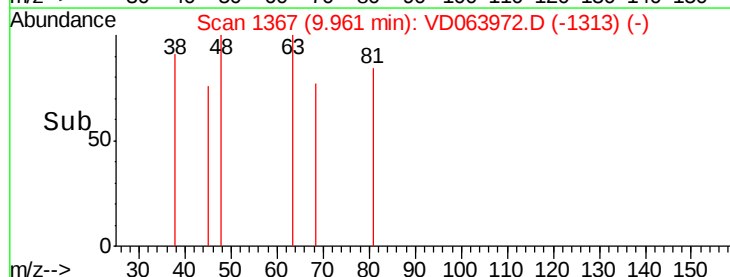
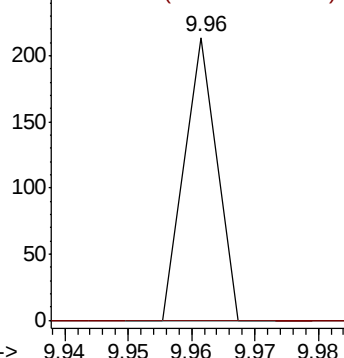
63 100

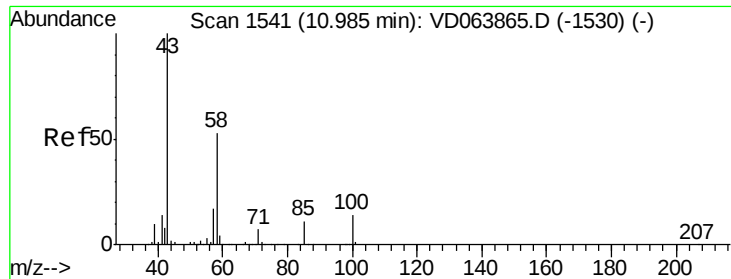
106 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 1.117 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

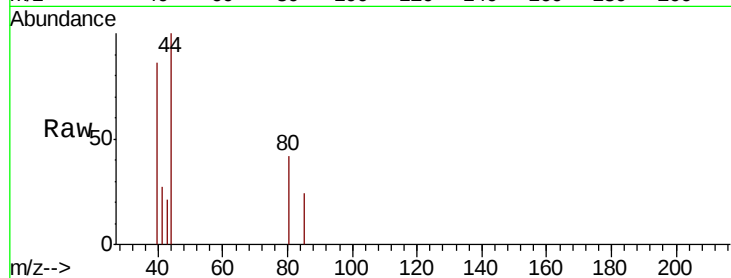
VOC-33RE

Tot Ion: 43 Resp: 57

Ion Ratio Lower Upper

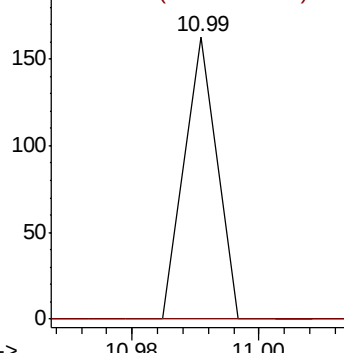
43 100

58 0.0 27.7 83.0#

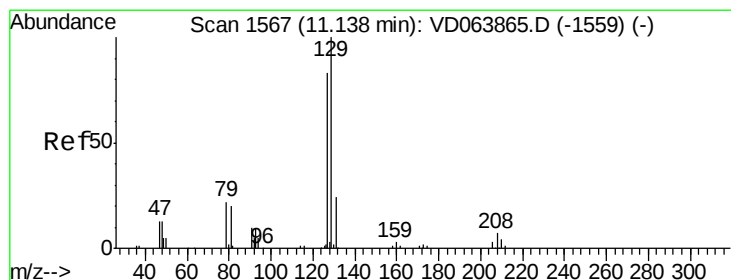
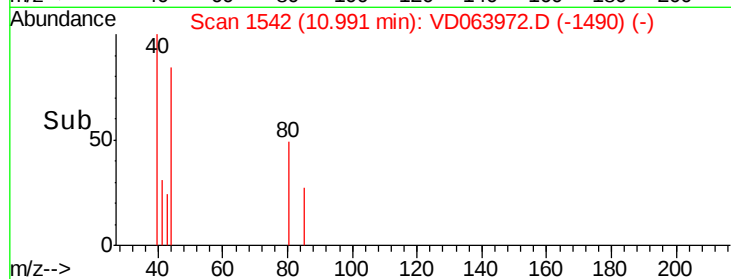


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#60

Dibromochloromethane

Concen: 1.033 ug/l

RT: 11.40 min Scan# 1611

Delta R.T. 0.26 min

Lab File: VD063972.D

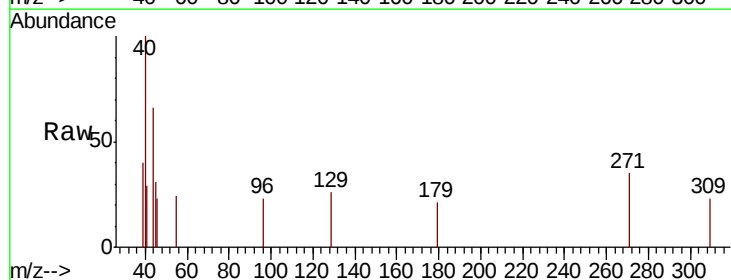
Acq: 15 Oct 2019 15:20

Tgt Ion: 129 Resp: 123

Ion Ratio Lower Upper

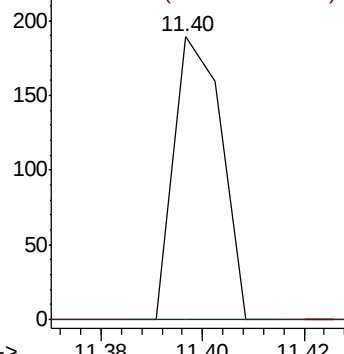
129 100

127 0.0 39.9 119.6#

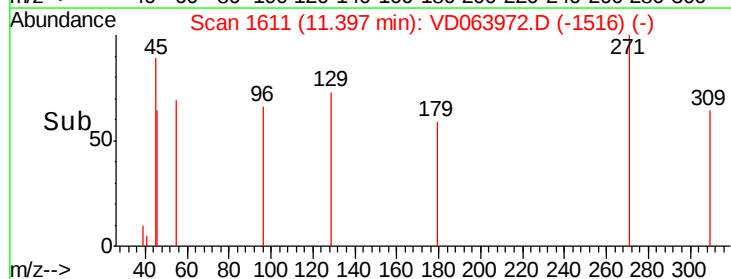


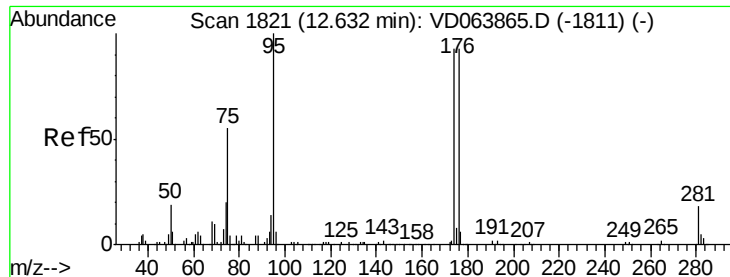
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 53.415 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

VOC-33RE

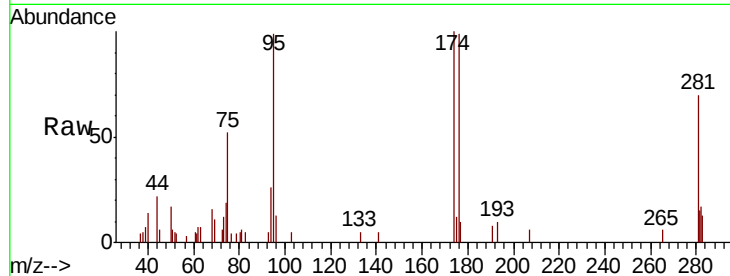
Tot Ion: 95 Resp: 8167

Ion Ratio Lower Upper

95 100

174 93.9 0.0 186.4

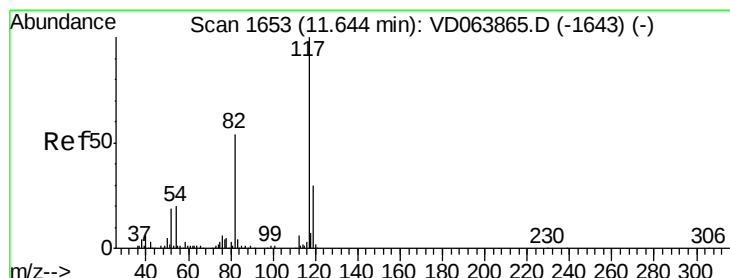
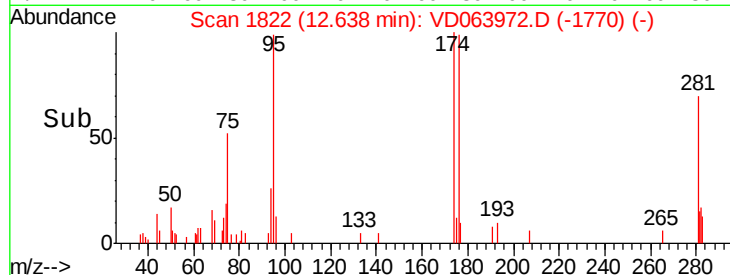
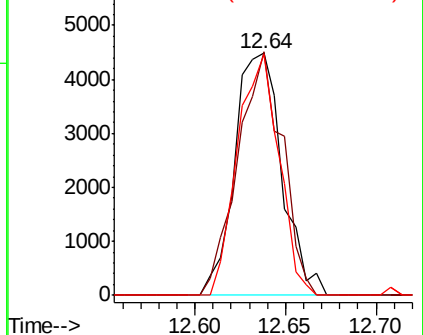
176 87.1 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

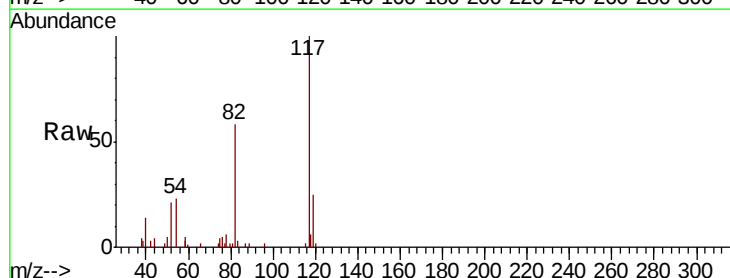
Tgt Ion: 117 Resp: 17521

Ion Ratio Lower Upper

117 100

82 57.6 42.8 64.2

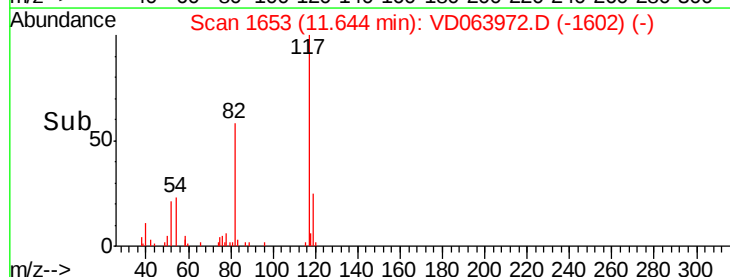
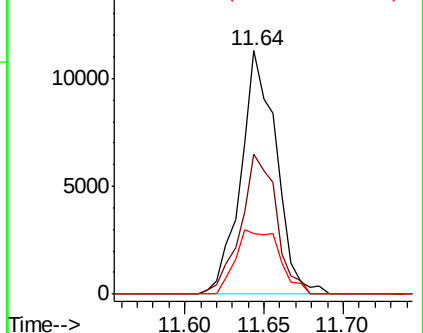
119 24.7 24.4 36.6

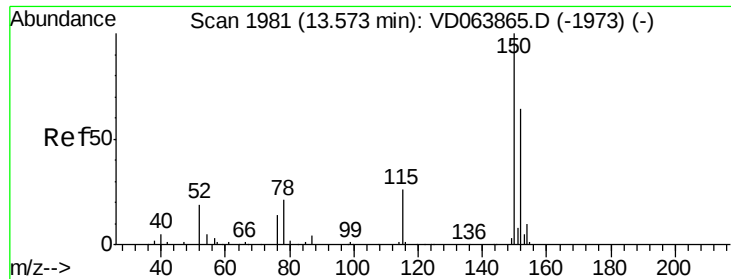


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

VOC-33RE

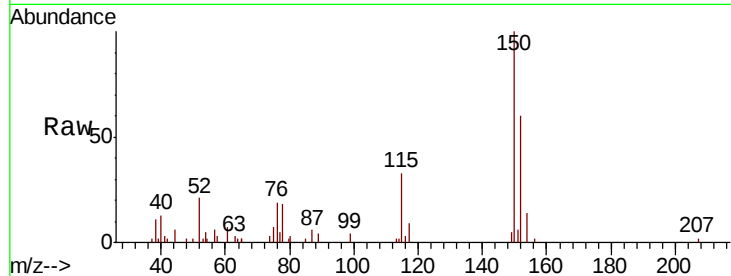
Tot Ion:152 Resp: 10613

Ion Ratio Lower Upper

152 100

115 52.9 25.9 77.7

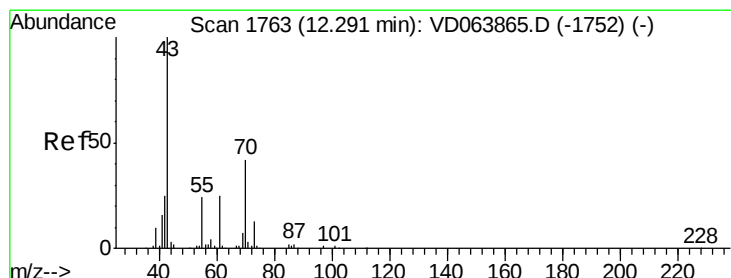
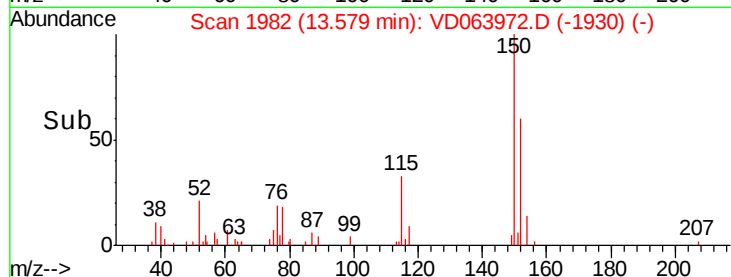
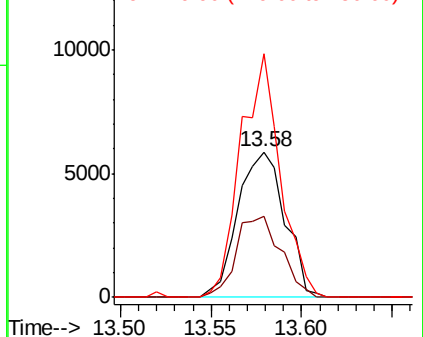
150 141.1 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.426 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Tgt Ion: 43 Resp: 219

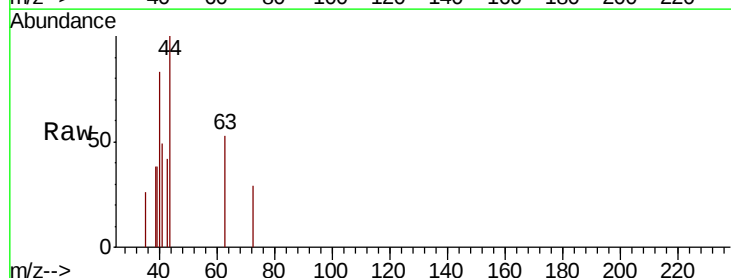
Ion Ratio Lower Upper

43 100

70 0.0 35.8 53.6#

55 0.0 19.4 29.0#

61 0.0 20.4 30.6#

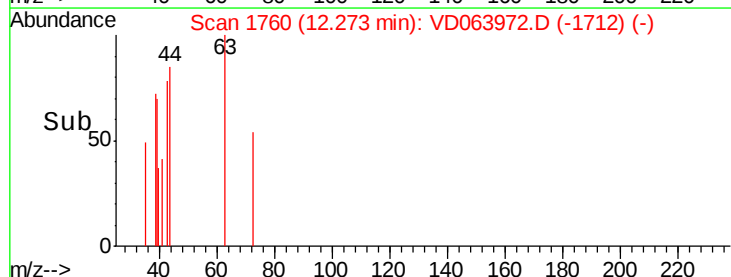
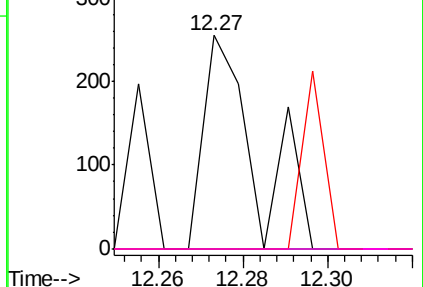


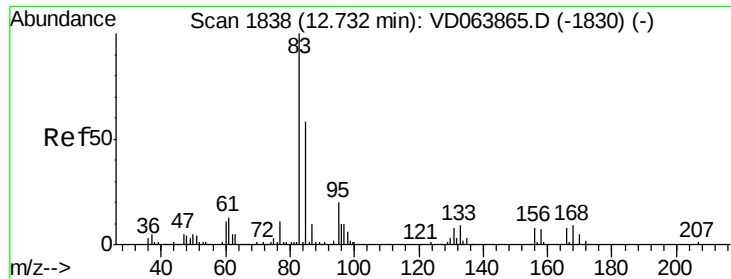
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 2.569 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

VOC-33RE

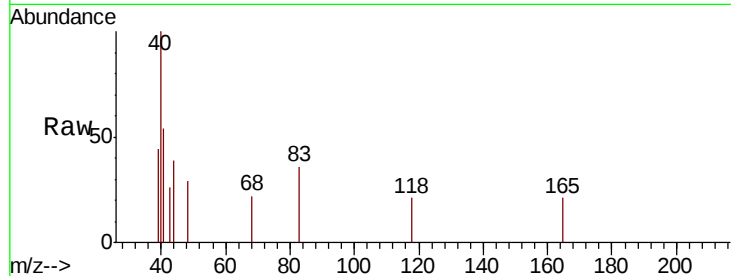
Tot Ion: 83 Resp: 319

Ion Ratio Lower Upper

83 100

131 0.0 5.6 16.8#

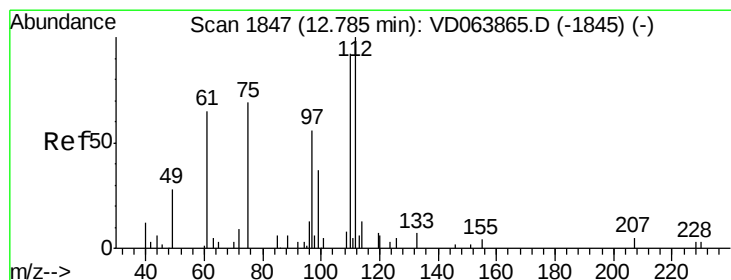
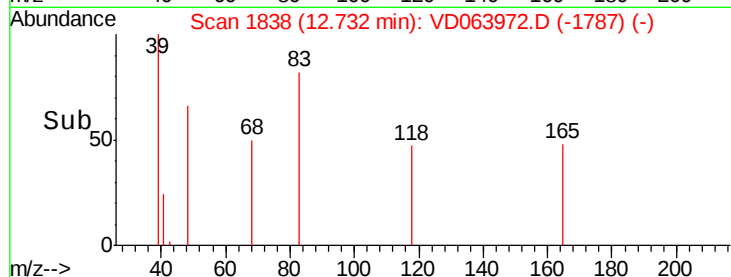
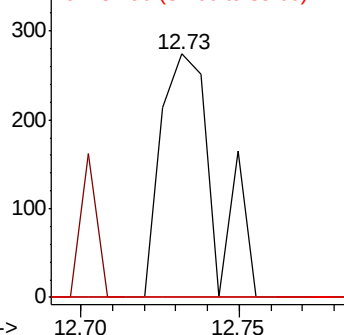
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 4.136 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063972.D

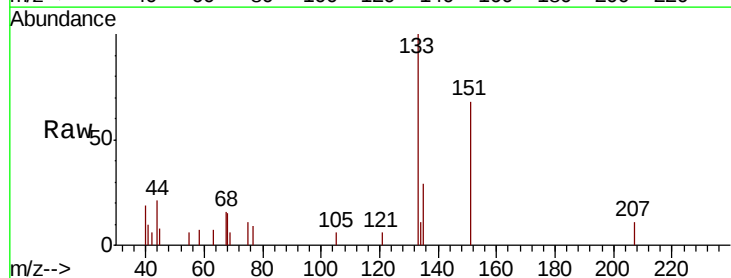
Acq: 15 Oct 2019 15:20

Tgt Ion: 75 Resp: 294

Ion Ratio Lower Upper

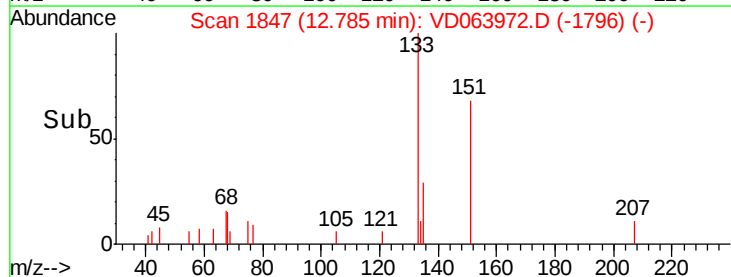
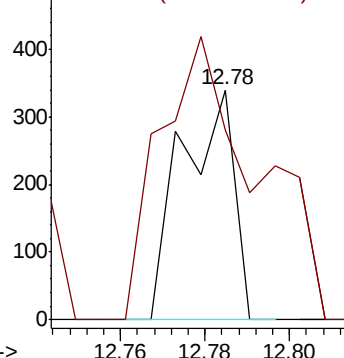
75 100

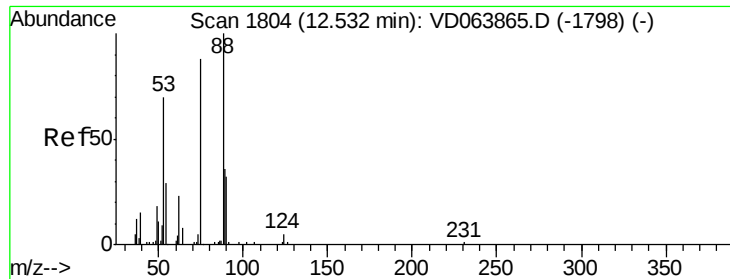
77 227.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 107.098 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

VOC-33RE

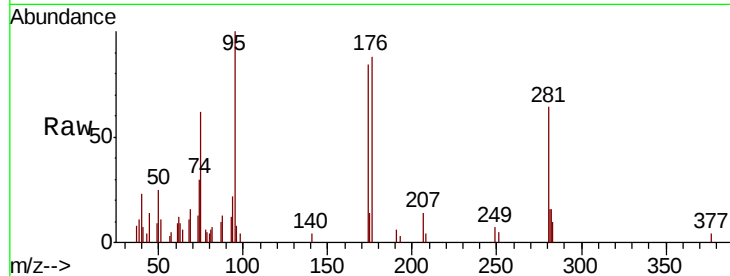
Tot Ion: 75 Resp: 4302

Ion Ratio Lower Upper

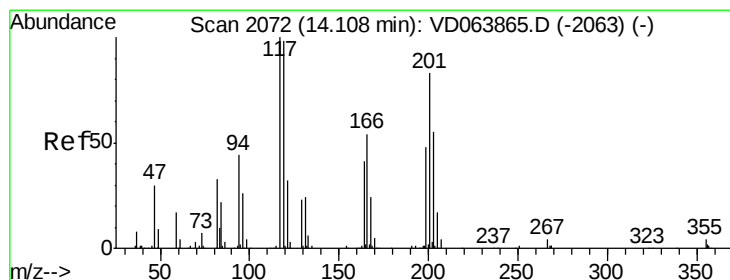
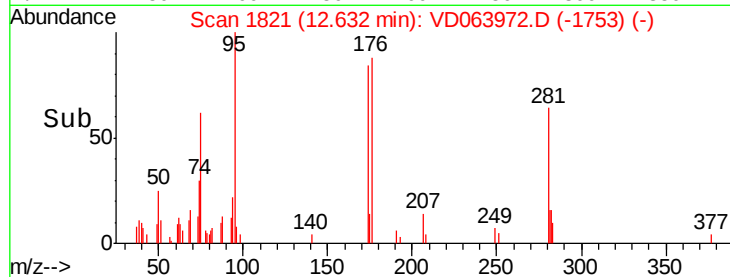
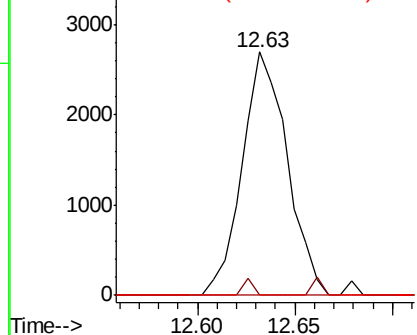
75 100

53 1.6 75.0 112.6#

89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#90

Hexachloroethane

Concen: 1.470 ug/l

RT: 14.04 min Scan# 2061

Delta R.T. -0.06 min

Lab File: VD063972.D

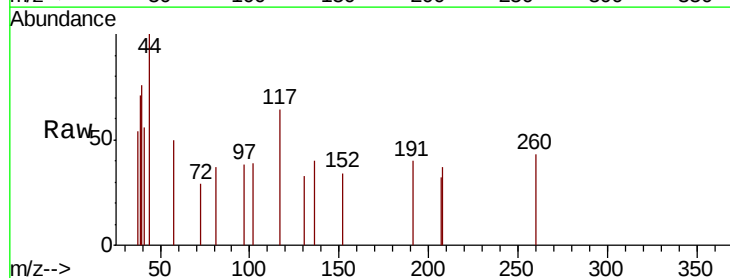
Acq: 15 Oct 2019 15:20

Tgt Ion: 117 Resp: 179

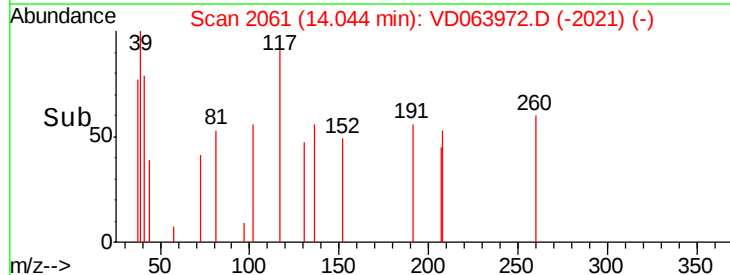
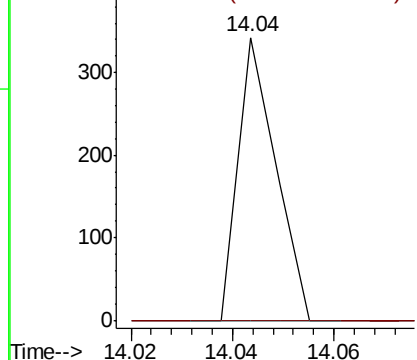
Ion Ratio Lower Upper

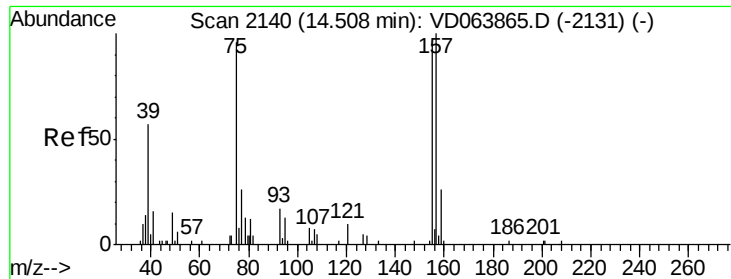
117 100

201 0.0 40.6 121.7#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.014 ug/l

RT: 14.67 min Scan# 2167

Delta R.T. 0.16 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

Instrument :

MSVOA_D

ClientSampleId :

VOC-33RE

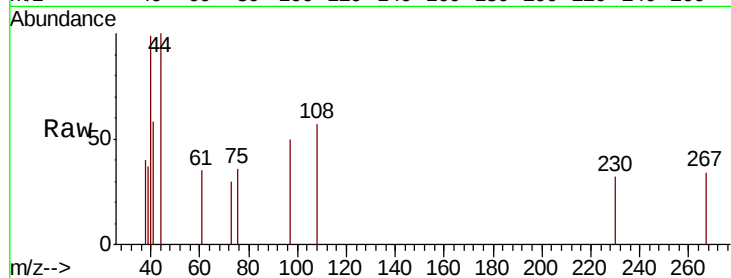
Tot Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



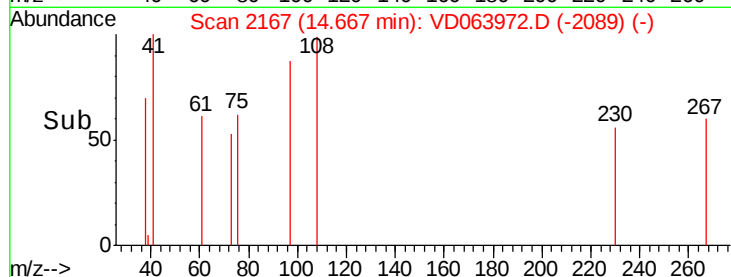
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

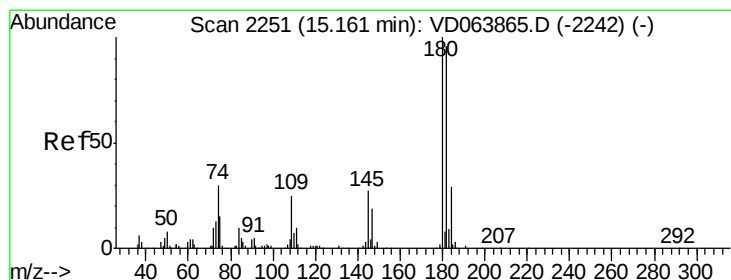
Ion 156.80 (156.50 to 157.50): V

14.67

14.66 14.68



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.237 ug/l

RT: 15.16 min Scan# 2250

Delta R.T. -0.01 min

Lab File: VD063972.D

Acq: 15 Oct 2019 15:20

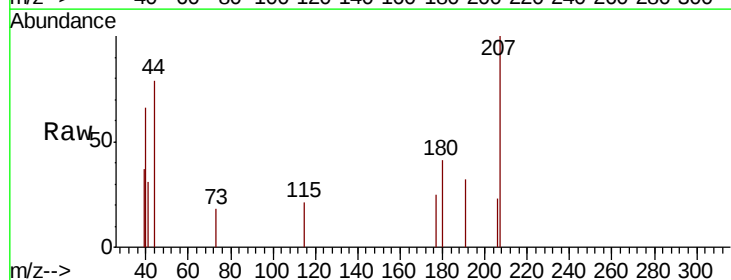
Tgt Ion: 180 Resp: 289

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.3#

145 0.0 13.9 41.7#



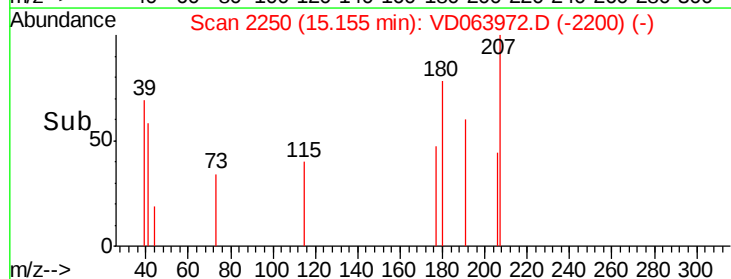
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

15.16

15.14 15.18



Time-->