

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064058.D
 Acq On : 24 Oct 2019 21:04
 Operator : VA/SY
 Sample : K5497-20RE
 Misc : 5.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:00:45 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	8036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	13430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	15123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	7077	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	7127	91.10	ug/l	0.00
Spiked Amount			Recovery	=	182.20%	
35) Dibromofluoromethane	7.92	113	4629	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	
50) Toluene-d8	10.34	98	16081	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.64	95	5607	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	128	Below Cal	#	40
4) Vinyl Chloride	2.32	62	197	1.070	ug/l #	43
5) Bromomethane	2.77	94	134	1.132	ug/l #	64
8) Diethyl Ether	3.50	74	54	1.381	ug/l	70
11) Tert butyl alcohol	5.34	59	84	7.681	ug/l #	1
12) 1,1-Dichloroethene	4.07	96	78	1.158	ug/l #	1
13) Acrolein	3.94	56	63	9.016	ug/l #	17
14) Allyl chloride	4.71	41	156	1.393	ug/l #	70
15) Acrylonitrile	5.52	53	54	3.133	ug/l #	17
16) Acetone	4.16	43	57	2.798	ug/l #	42
18) Methyl Acetate	4.69	43	67	1.682	ug/l #	49
20) Methylene Chloride	4.97	84	547	3.237	ug/l #	48
21) trans-1,2-Dichloroethene	5.47	96	86	1.026	ug/l #	1
25) 2-Butanone	7.24	43	73	3.024	ug/l #	51
28) Bromochloromethane	7.51	49	118	3.985	ug/l #	10
29) Tetrahydrofuran	7.55	42	122	8.659	ug/l #	31
31) Cyclohexane	7.84	56	57	Below Cal	#	12
36) 1,1-Dichloropropene	8.00	75	179	1.458	ug/l #	41
37) Ethyl Acetate	7.30	43	55	Below Cal	#	1
38) Carbon Tetrachloride	7.99	117	592	4.771	ug/l #	15
41) Methacrylonitrile	7.52	41	58	2.037	ug/l #	1
46) Dibromomethane	9.24	93	55	1.121	ug/l #	3
48) Methyl methacrylate	9.46	41	194	3.932	ug/l #	25
49) 1,4-Dioxane	9.53	88	80	119.481	ug/l #	24
51) 4-Methyl-2-Pentanone	10.26	43	62	1.161	ug/l #	34
53) t-1,3-Dichloropropene	10.64	75	226	1.834	ug/l #	46
55) 1,1,2-Trichloroethane	10.79	97	103	1.487	ug/l #	14
56) Ethyl methacrylate	10.78	69	113	1.288	ug/l #	74
58) 2-Chloroethyl Vinyl ether	9.91	63	97	2.573	ug/l #	44
59) 2-Hexanone	10.77	43	173	4.478	ug/l	89
76) 1,2,3-Trichloropropane	12.64	75	3786	79.874	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	3786	141.345	ug/l #	12
90) Hexachloroethane	14.23	117	89	1.096	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.53	75	55	1.912	ug/l #	1

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

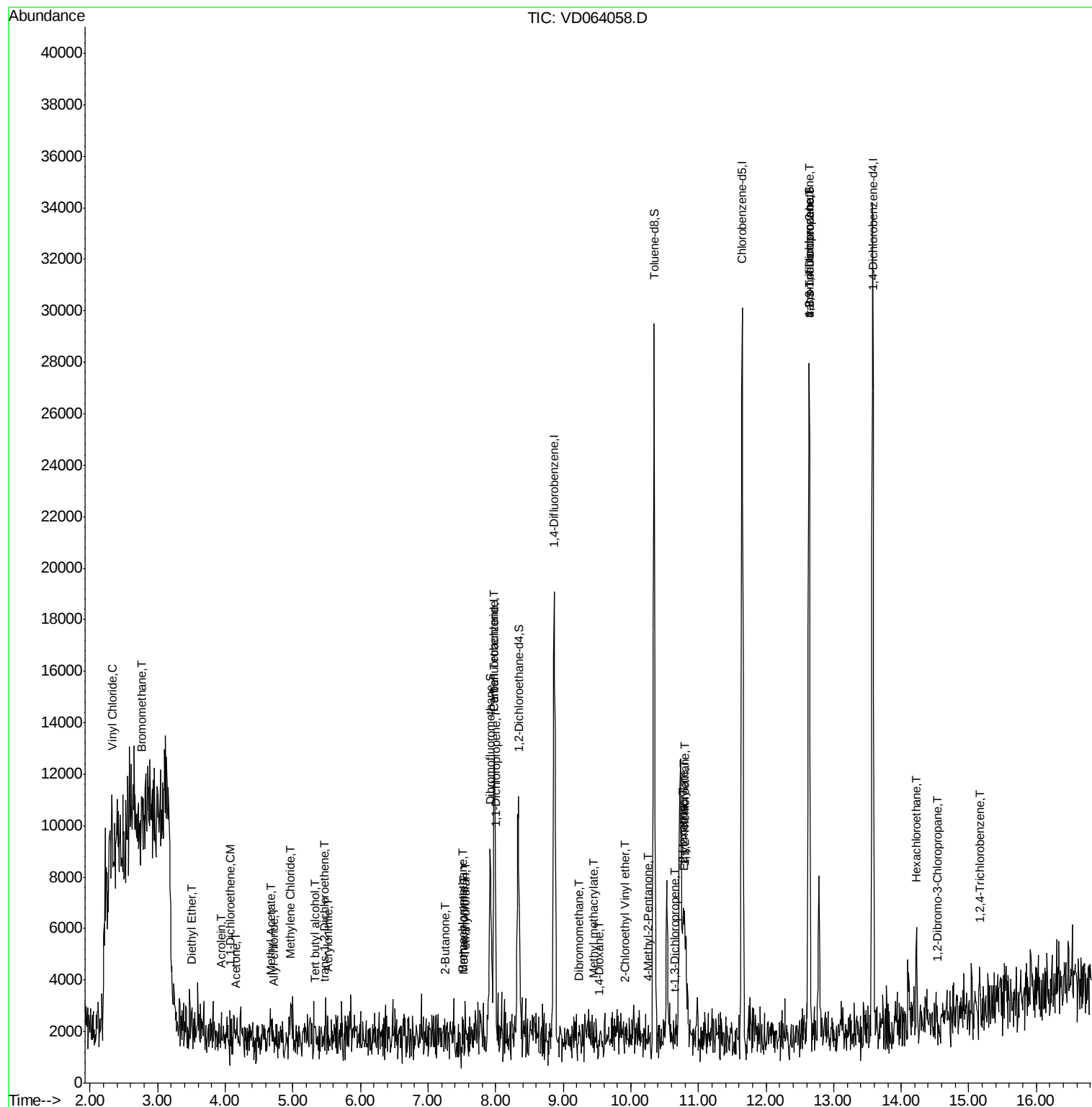
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	160	1.027	ug/l #	43

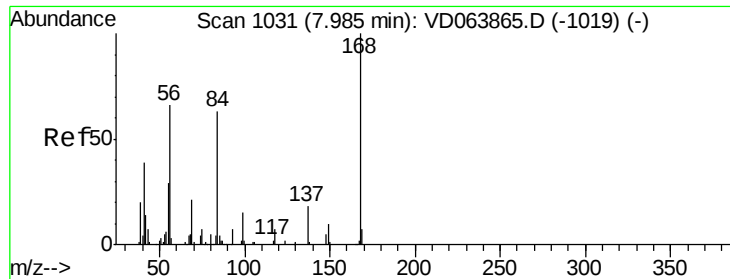
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
Data File : VD064058.D
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Instrument :
MSVOA_D
ClientSampled :

Quant Time: Oct 25 04:00:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

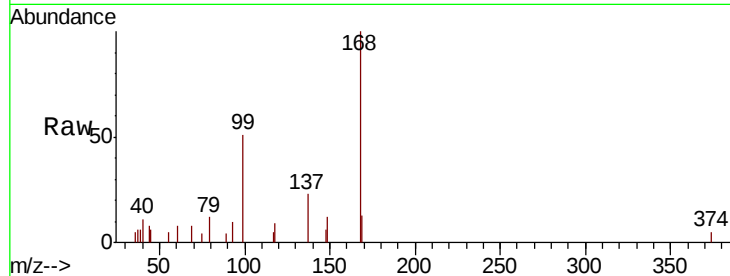
ClientSampleId :

Tot Ion:168 Resp: 8036

Ion Ratio Lower Upper

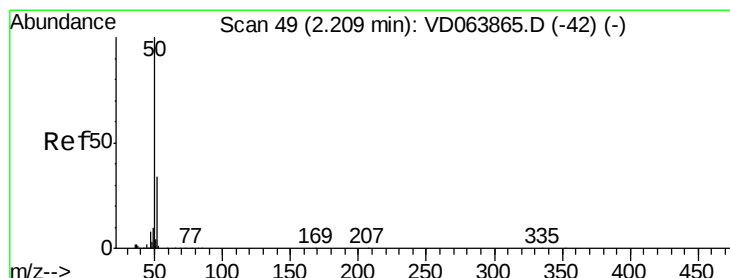
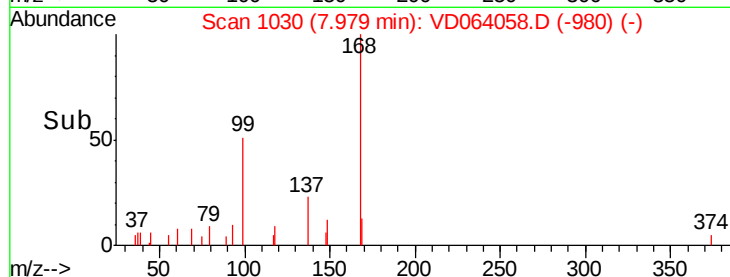
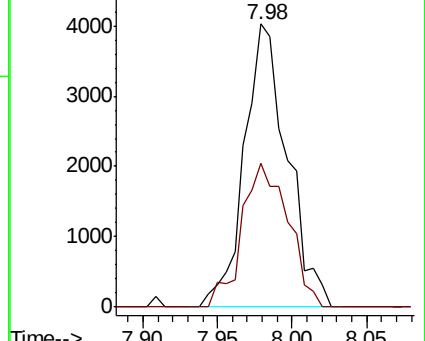
168 100

99 50.8 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: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064058.D

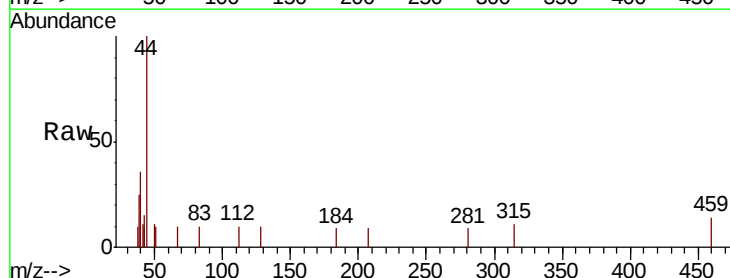
Acq: 24 Oct 2019 21:04

Tgt Ion: 50 Resp: 128

Ion Ratio Lower Upper

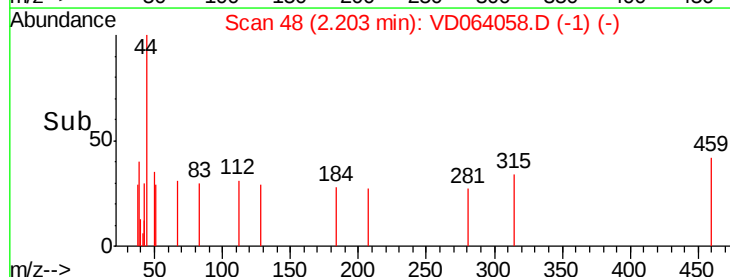
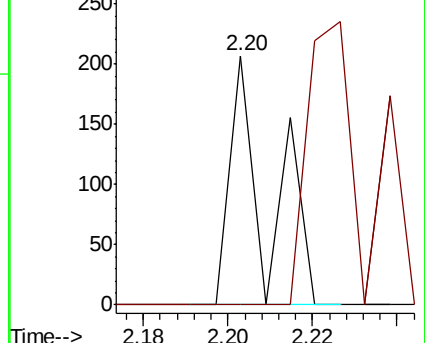
50 100

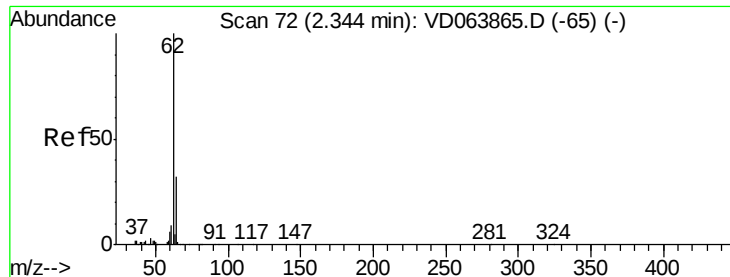
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.070 ug/l

RT: 2.32 min Scan# 68

Delta R.T. -0.02 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

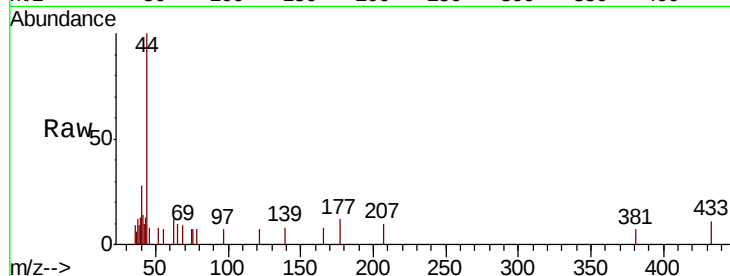
ClientSampleId :

Tot Ion: 62 Resp: 197

Ion Ratio Lower Upper

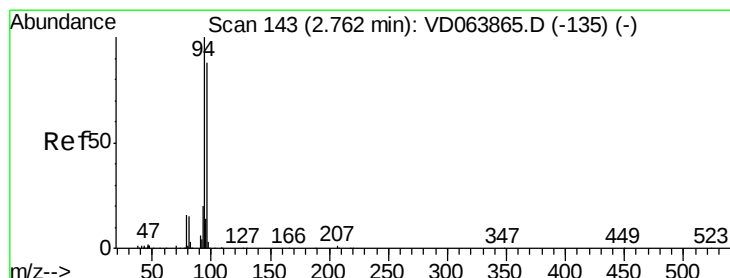
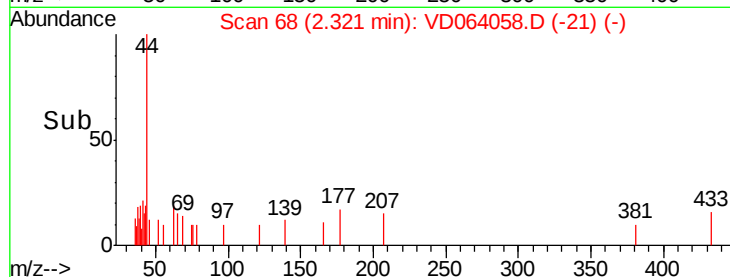
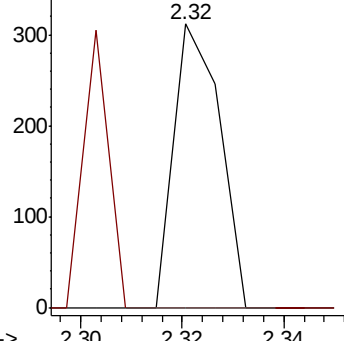
62 100

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



#5

Bromomethane

Concen: 1.132 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064058.D

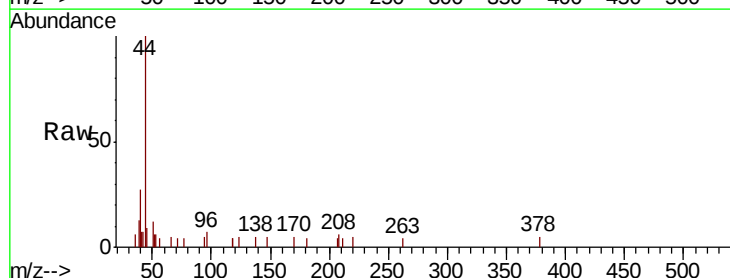
Acq: 24 Oct 2019 21:04

Tgt Ion: 94 Resp: 134

Ion Ratio Lower Upper

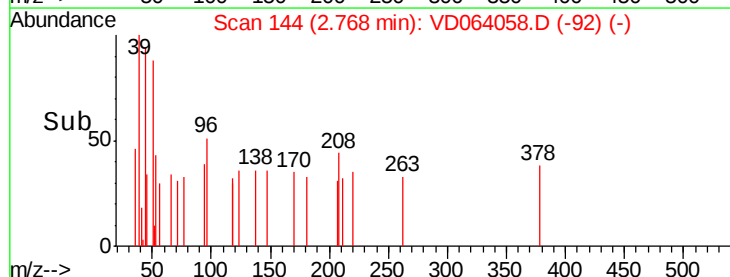
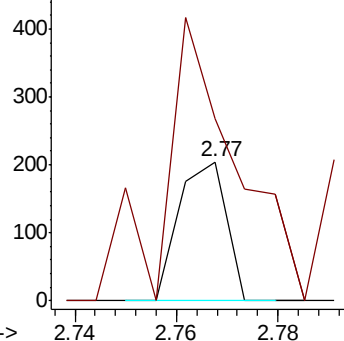
94 100

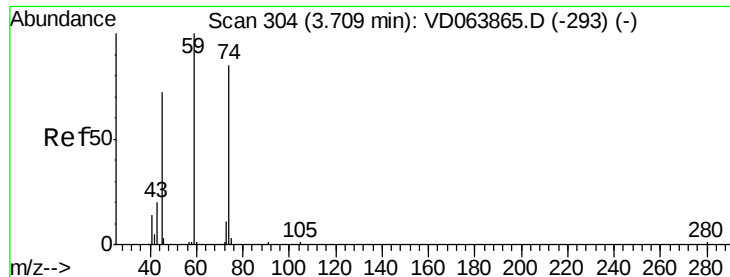
96 54.9 70.8 106.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 1.381 ug/l

RT: 3.50 min Scan# 269

Delta R.T. -0.21 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

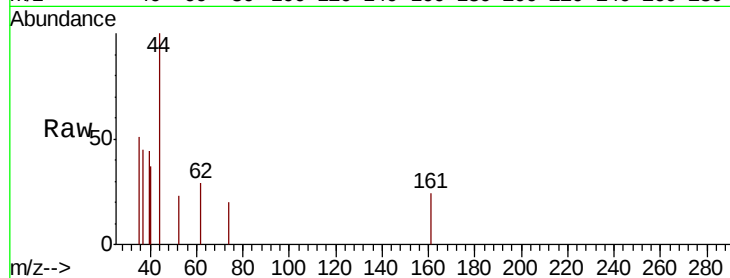
ClientSampleId :

Tot Ion: 74 Resp: 54

Ion Ratio Lower Upper

74 100

45 125.9 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

200

150

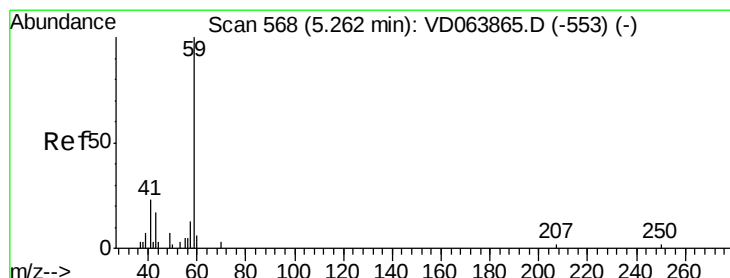
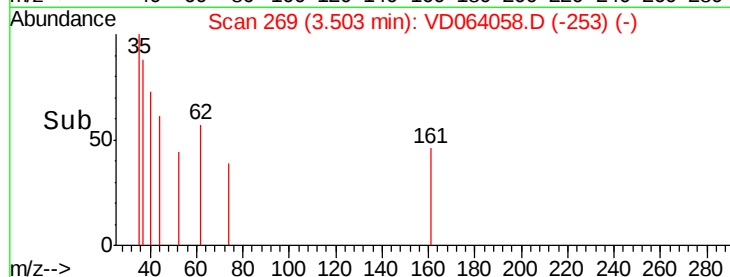
100

50

0

3.48 3.49 3.50 3.51 3.52

Time-->



#11

Tert butyl alcohol

Concen: 7.681 ug/l

RT: 5.34 min Scan# 581

Delta R.T. 0.08 min

Lab File: VD064058.D

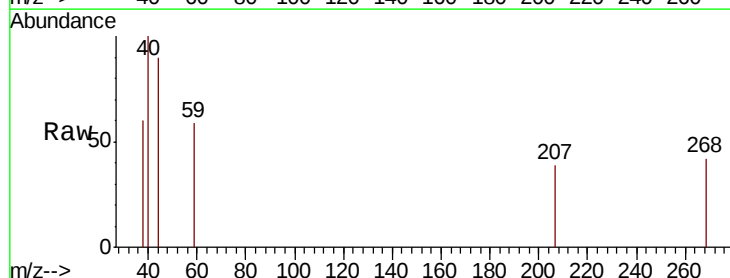
Acq: 24 Oct 2019 21:04

Tgt Ion: 59 Resp: 84

Ion Ratio Lower Upper

59 100

57 90.5 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

250

200

150

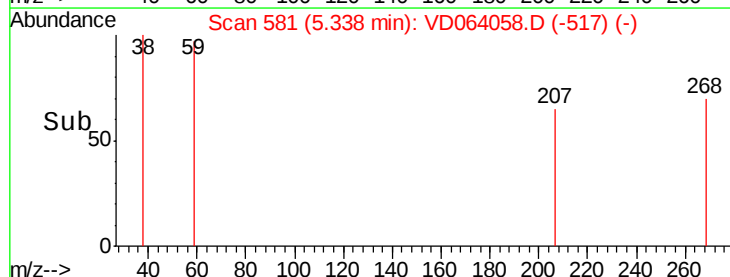
100

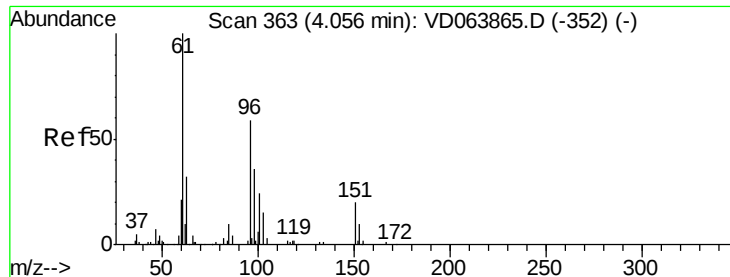
50

0

5.32 5.33 5.34 5.35

Time-->





#12

1,1-Dichloroethene

Concen: 1.158 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.02 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :

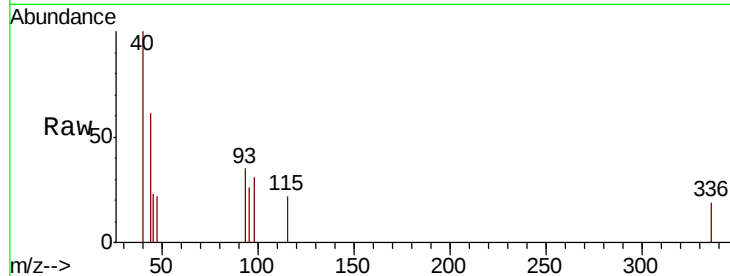
Tot Ion: 96 Resp: 78

Ion Ratio Lower Upper

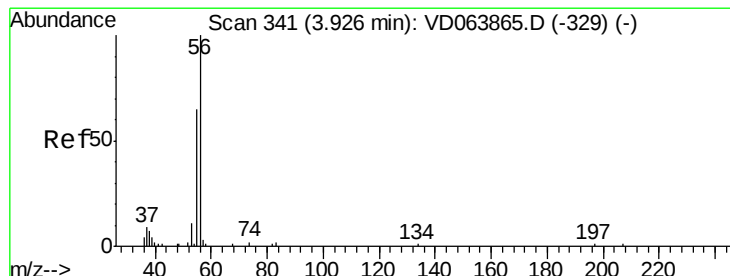
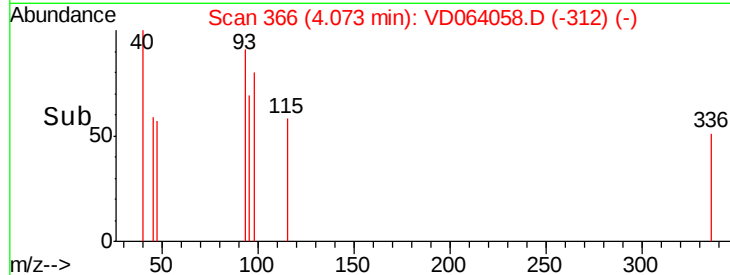
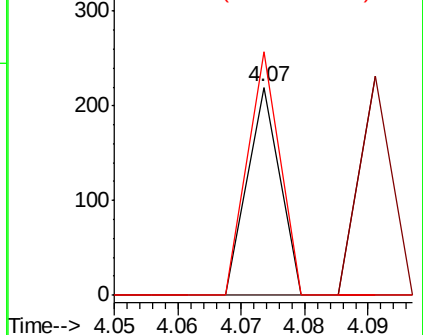
96 100

61 0.0 135.6 203.4#

98 116.8 49.2 73.8#



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#13

Acrolein

Concen: 9.016 ug/l

RT: 3.94 min Scan# 343

Delta R.T. 0.01 min

Lab File: VD064058.D

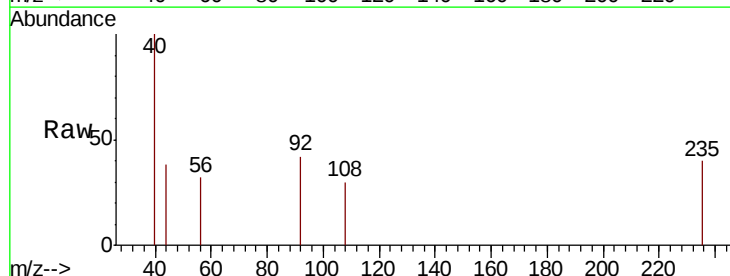
Acq: 24 Oct 2019 21:04

Tgt Ion: 56 Resp: 63

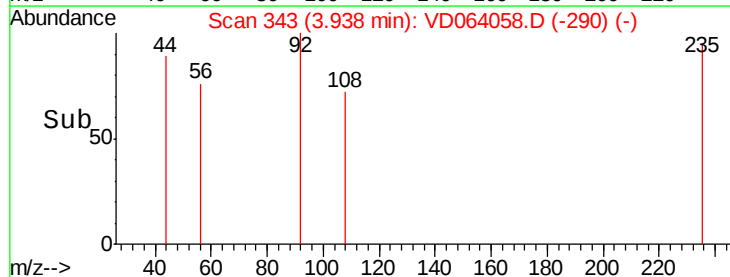
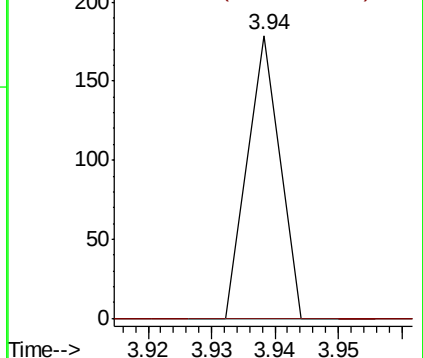
Ion Ratio Lower Upper

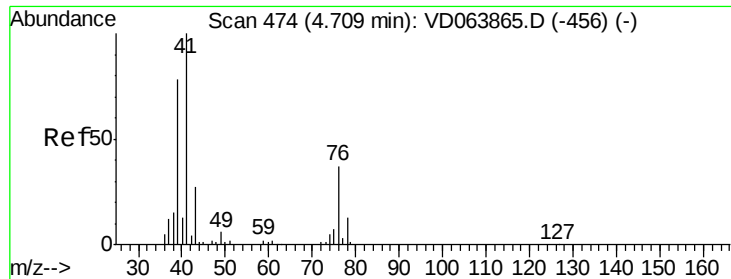
56 100

55 0.0 53.0 79.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC

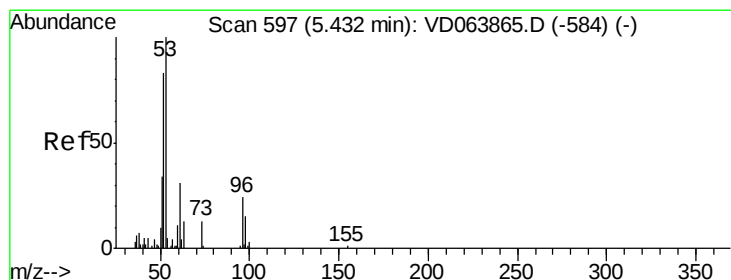
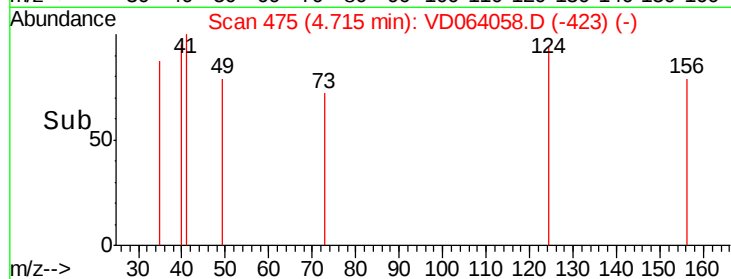
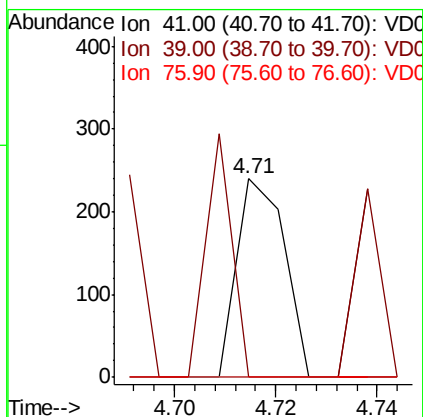
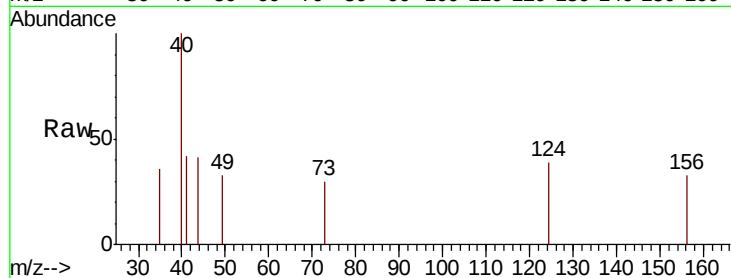




#14
 Allvl chloride
 Concen: 1.393 ug/l
 RT: 4.71 min Scan# 475
 Delta R.T. 0.01 min
 Lab File: VD064058.D
 Acq: 24 Oct 2019 21:04

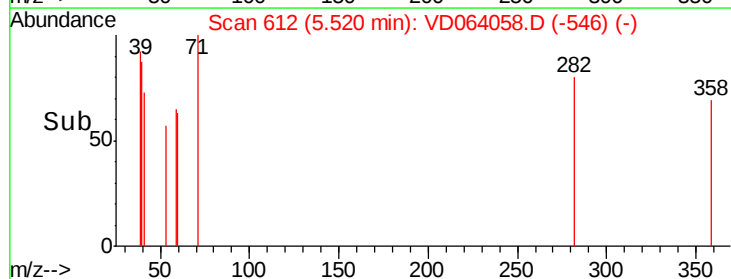
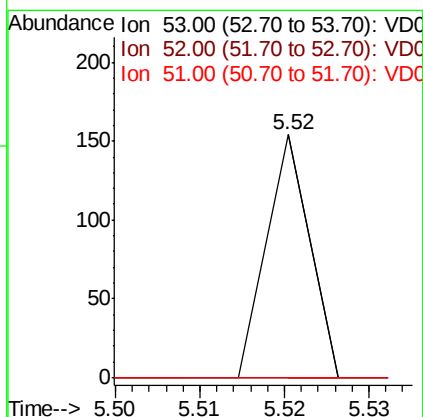
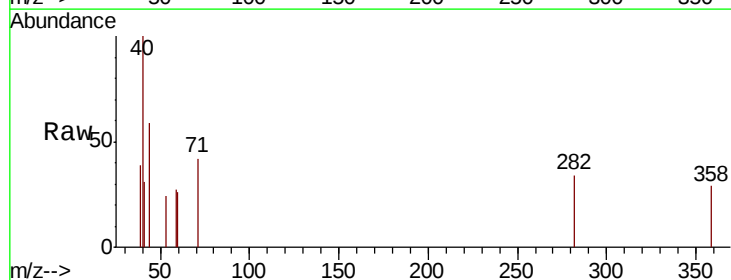
Instrument :
 MSVOA_D
 ClientSampleId :

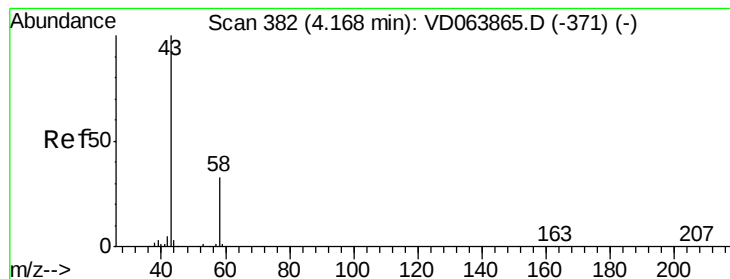
Tot Ion: 41 Resp: 156
 Ion Ratio Lower Upper
 41 100
 39 66.7 61.8 92.6
 76 0.0 31.3 46.9#



#15
 Acrylonitrile
 Concen: 3.133 ug/l
 RT: 5.52 min Scan# 612
 Delta R.T. 0.09 min
 Lab File: VD064058.D
 Acq: 24 Oct 2019 21:04

Tgt Ion: 53 Resp: 54
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.3 100.9#
 51 0.0 30.5 45.7#





#16

Acetone

Concen: 2.798 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

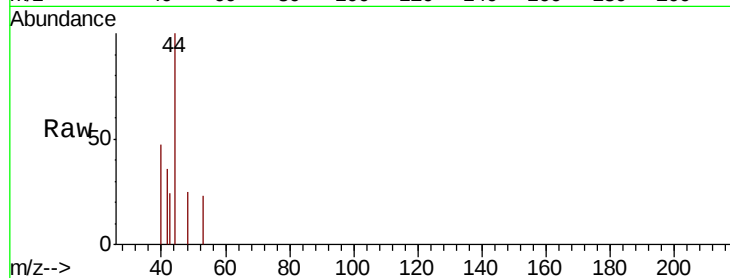
ClientSampleId :

Tot Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

58 0.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

150

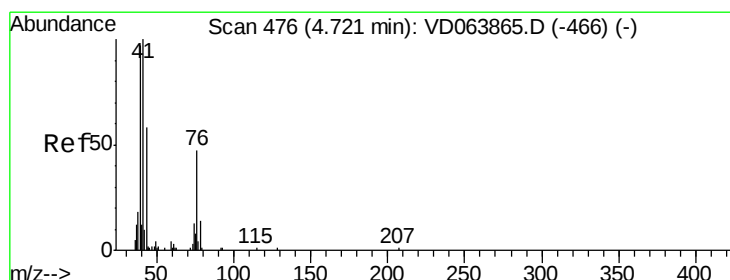
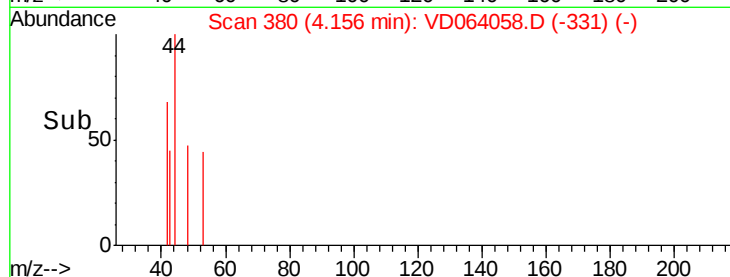
100

50

0

4.15 4.16 4.17

Time-->



#18

Methyl Acetate

Concen: 1.682 ug/l

RT: 4.69 min Scan# 470

Delta R.T. -0.04 min

Lab File: VD064058.D

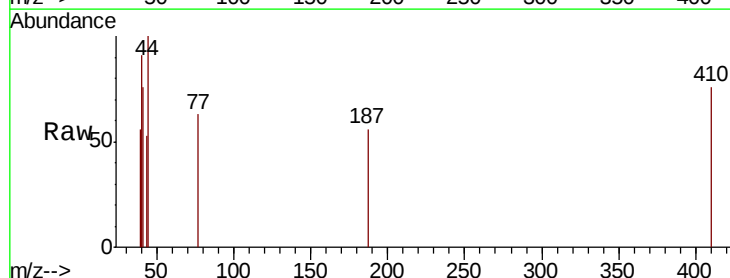
Acq: 24 Oct 2019 21:04

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.69

200

150

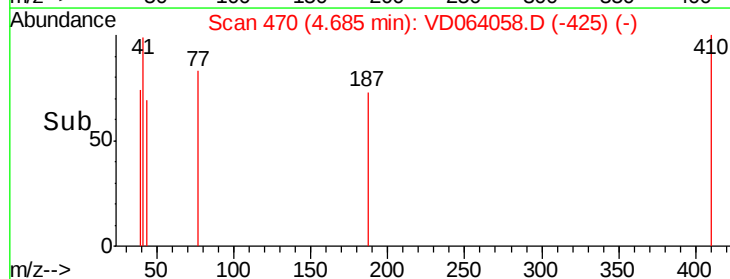
100

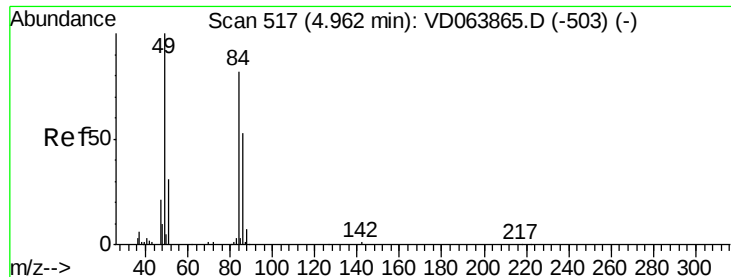
50

0

4.67 4.68 4.69 4.70

Time-->

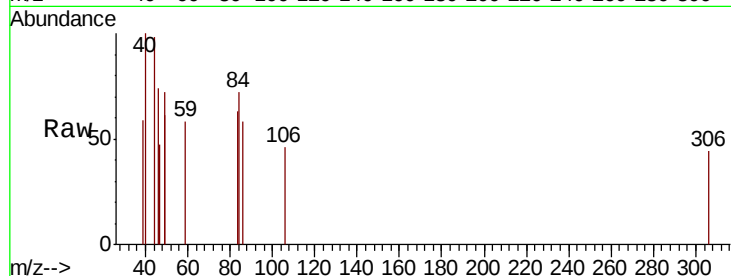




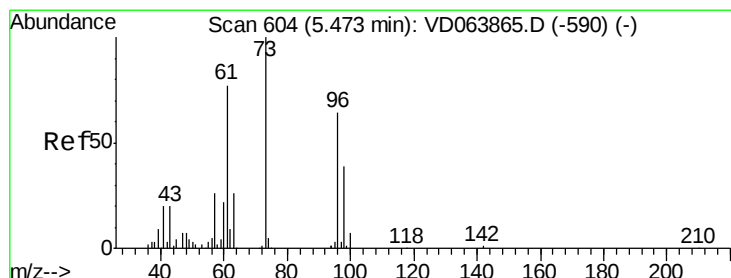
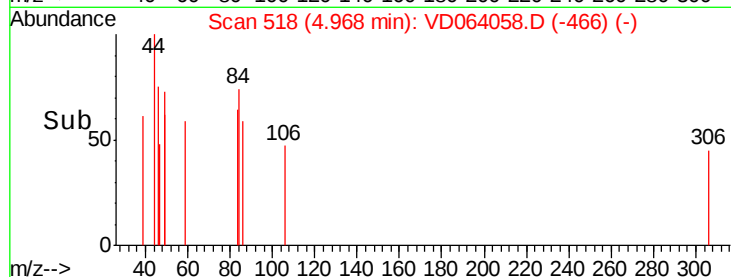
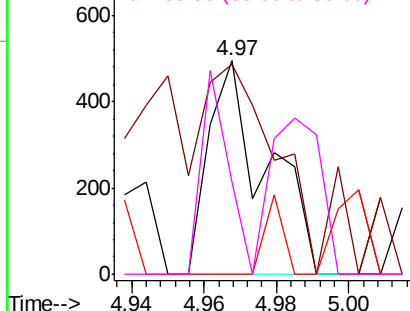
#20
Methvlene Chloride
Concen: 3.237 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 547
Ion Ratio Lower Upper
84 100
49 52.1 97.3 145.9#
51 0.0 30.1 45.1#
86 43.0 51.4 77.2#

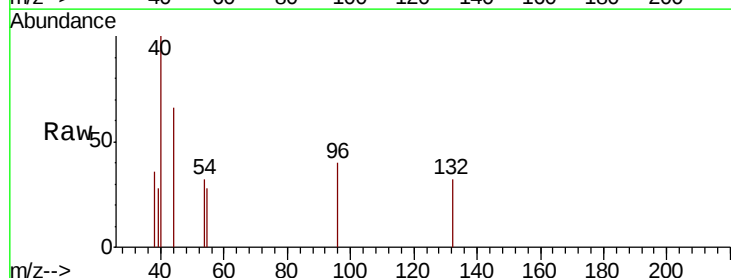


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

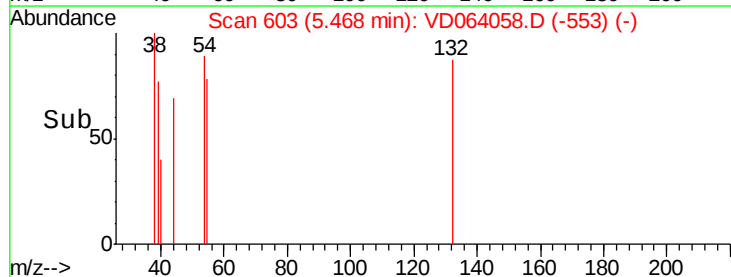
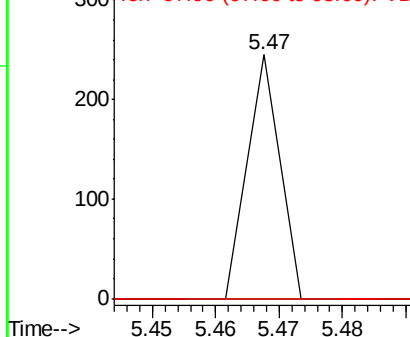


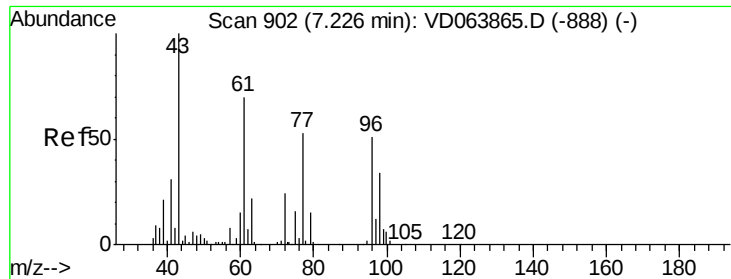
#21
trans-1,2-Dichloroethene
Concen: 1.026 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

Tgt Ion: 96 Resp: 86
Ion Ratio Lower Upper
96 100
61 0.0 96.6 145.0#
98 0.0 48.7 73.1#



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#25

2-Butanone

Concen: 3.024 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.02 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

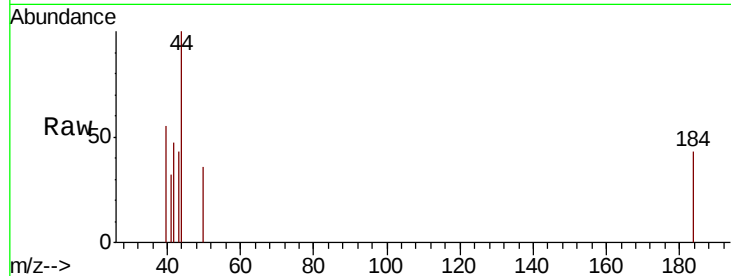
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 73

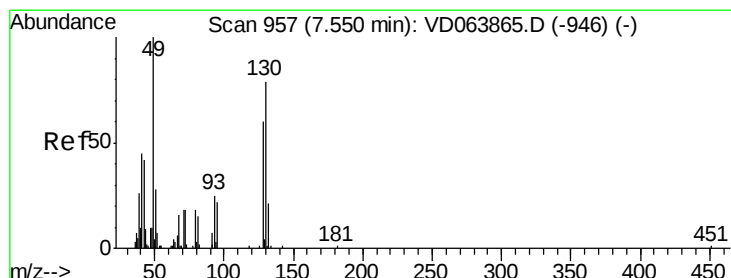
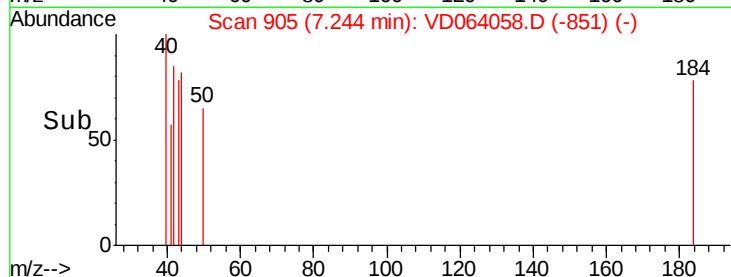
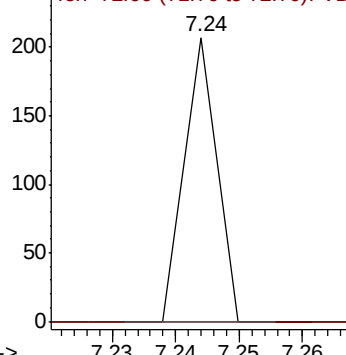
Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#28

Bromochloromethane

Concen: 3.985 ug/l

RT: 7.51 min Scan# 950

Delta R.T. -0.04 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

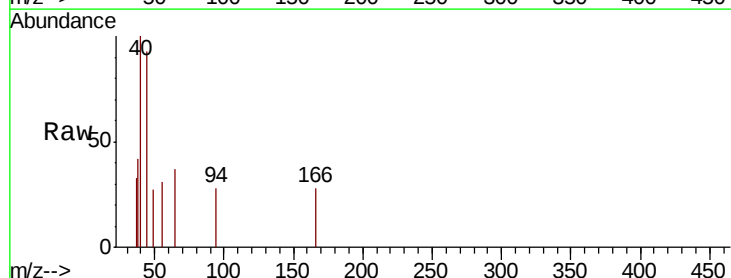
Tgt Ion: 49 Resp: 118

Ion Ratio Lower Upper

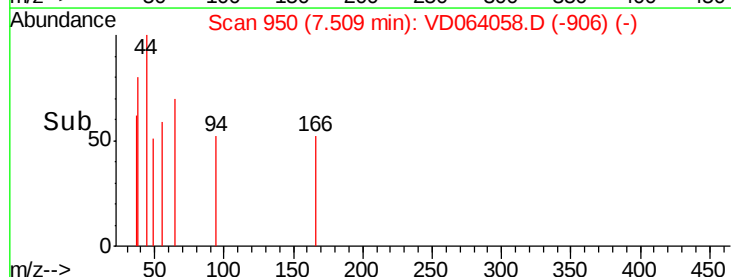
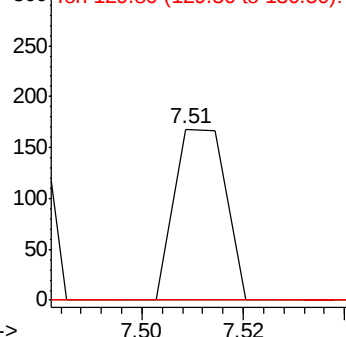
49 100

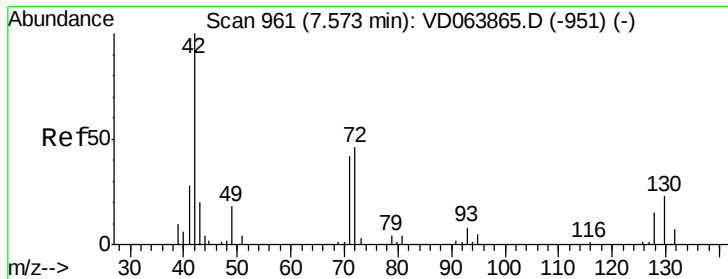
129 0.0 0.0 5.6

130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

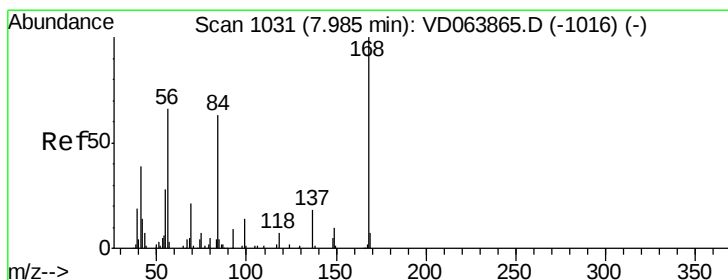
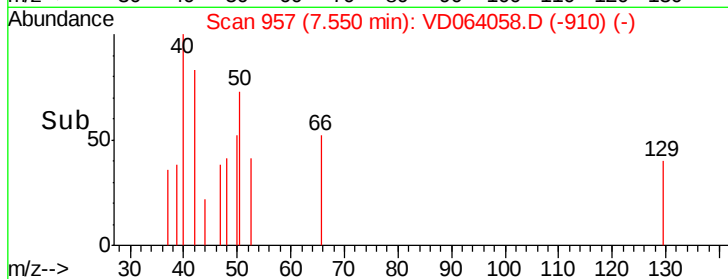
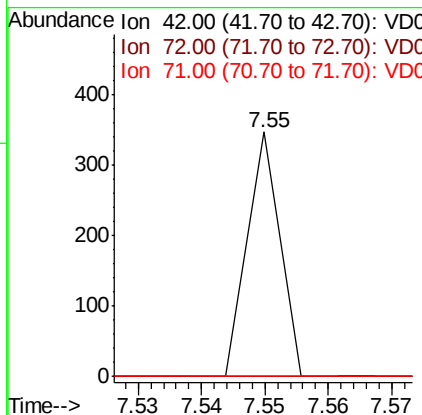
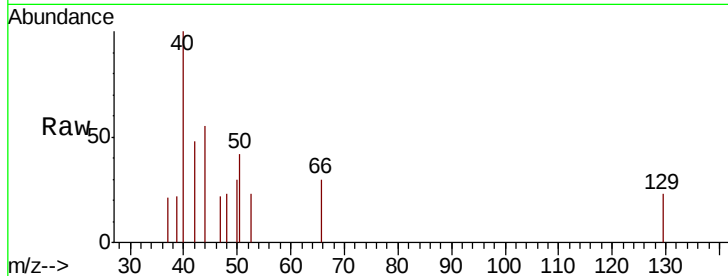




#29
Tetrahydrofuran
Concen: 8.659 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.02 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

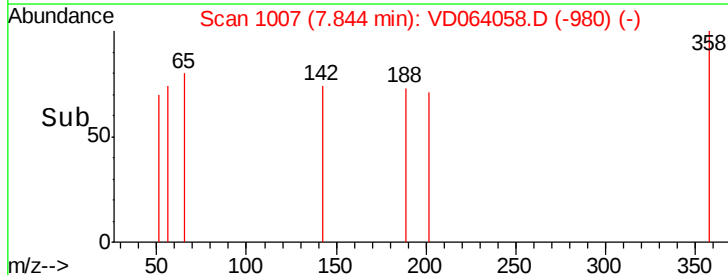
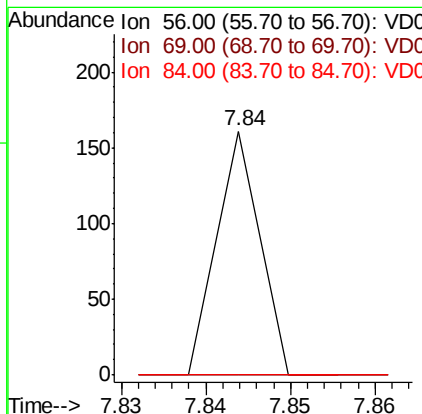
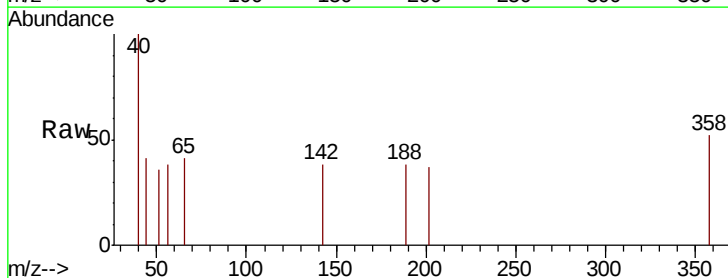
Instrument :
MSVOA_D
ClientSampled :

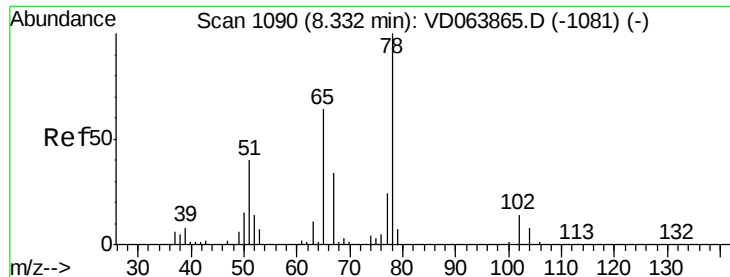
Tot Ion: 42 Resp: 122
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 0.0 35.0 52.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.84 min Scan# 1007
Delta R.T. -0.14 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
69 0.0 25.0 37.4#
84 0.0 76.3 114.5#





#33

1,2-Dichloroethane-d4

Concen: 91.095 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

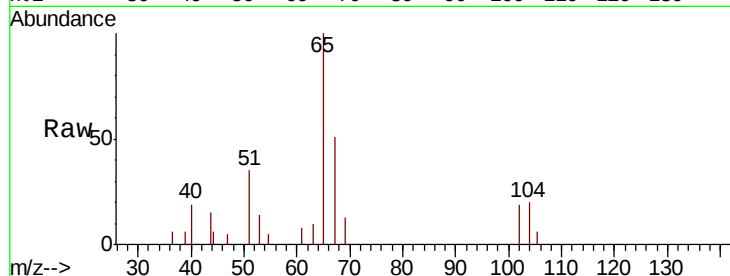
ClientSampleId :

Tot Ion: 65 Resp: 7127

Ion Ratio Lower Upper

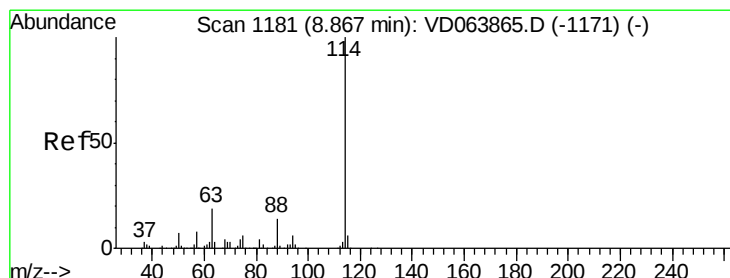
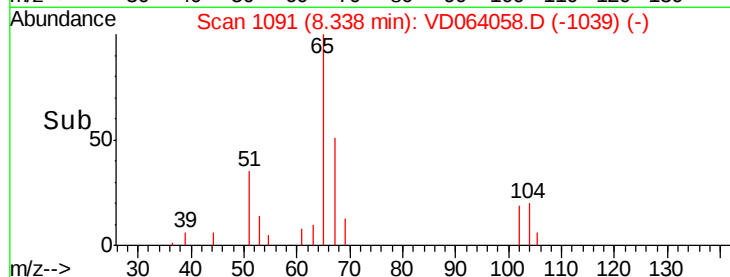
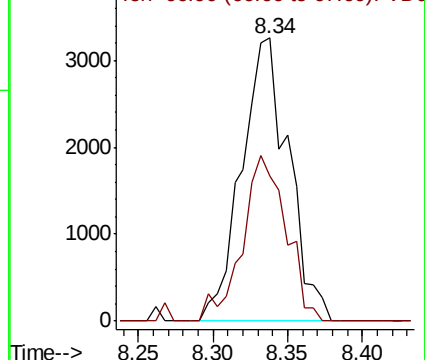
65 100

67 54.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

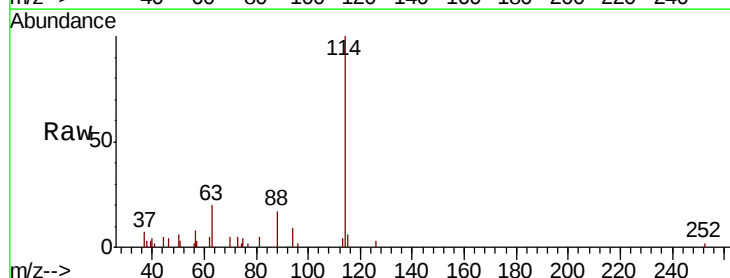
Tgt Ion: 114 Resp: 13430

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

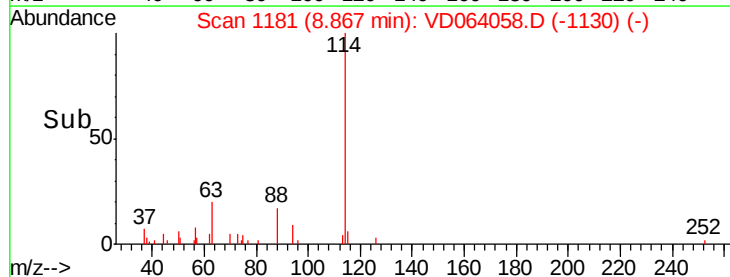
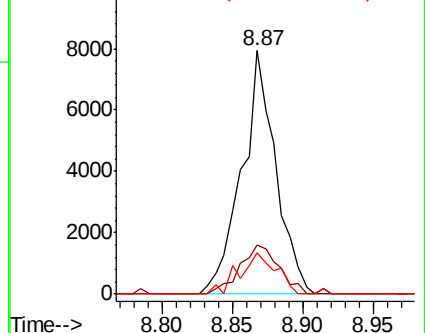
88 16.9 0.0 27.4

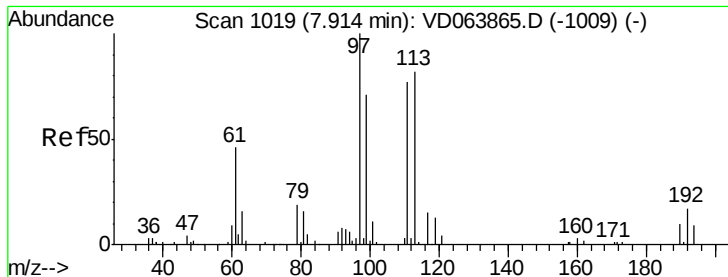


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

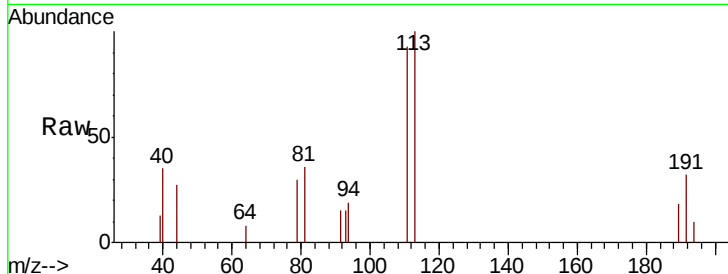




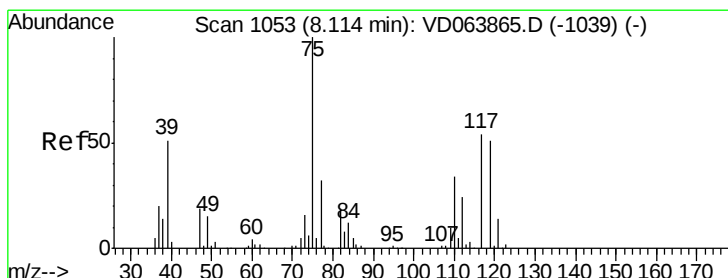
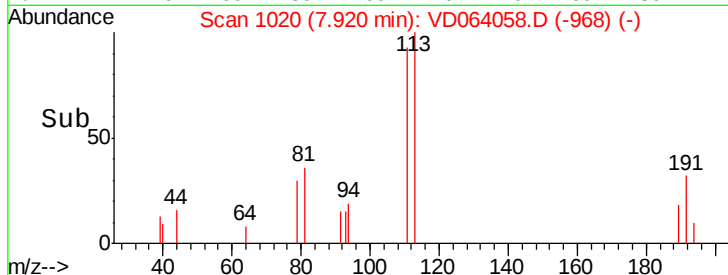
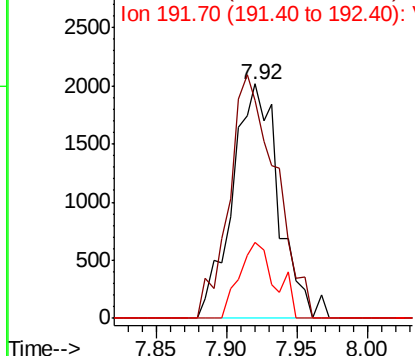
#35
 Dibromofluoromethane
 Concen: 56.400 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064058.D
 Acq: 24 Oct 2019 21:04

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 4629
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.6 123.8
 192 24.9 17.1 25.7

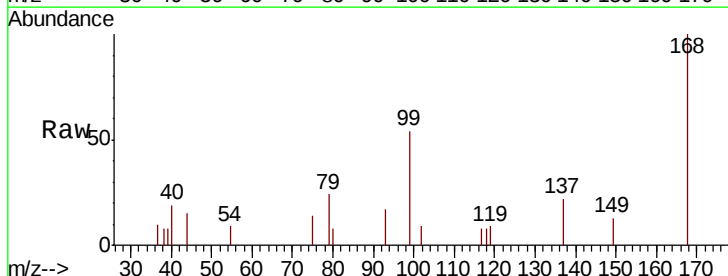


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

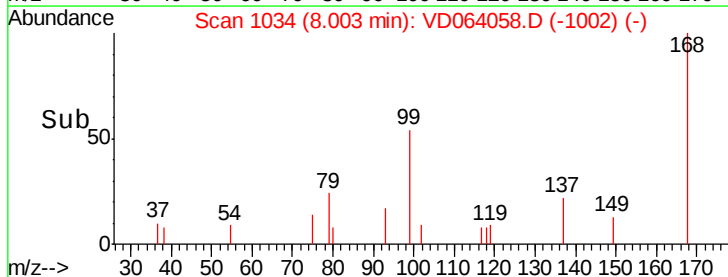
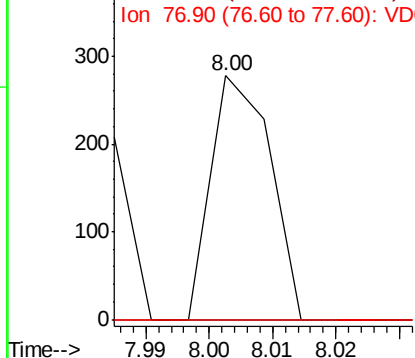


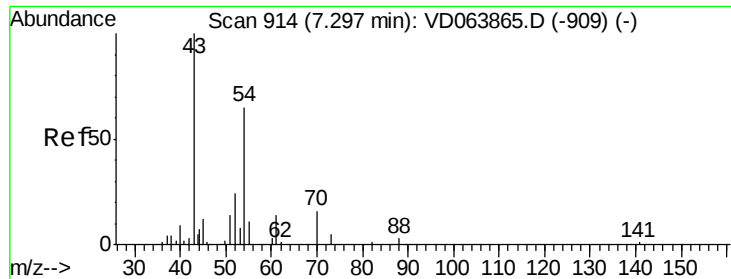
#36
 1,1-Dichloropropene
 Concen: 1.458 ug/l
 RT: 8.00 min Scan# 1034
 Delta R.T. -0.11 min
 Lab File: VD064058.D
 Acq: 24 Oct 2019 21:04

Tgt Ion: 75 Resp: 179
 Ion Ratio Lower Upper
 75 100
 110 0.0 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

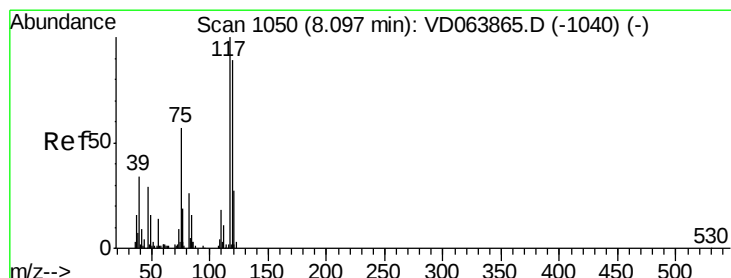
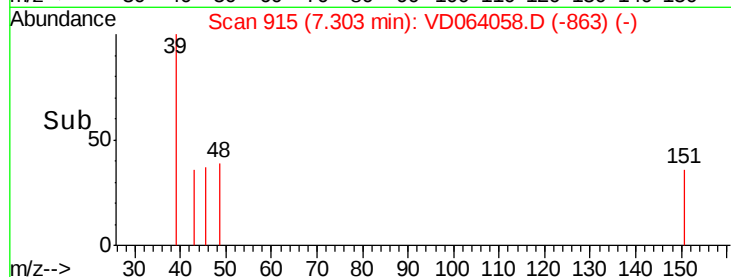
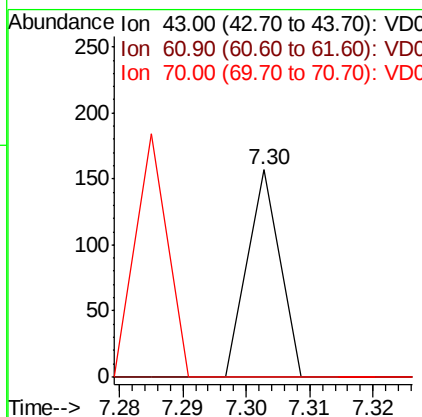
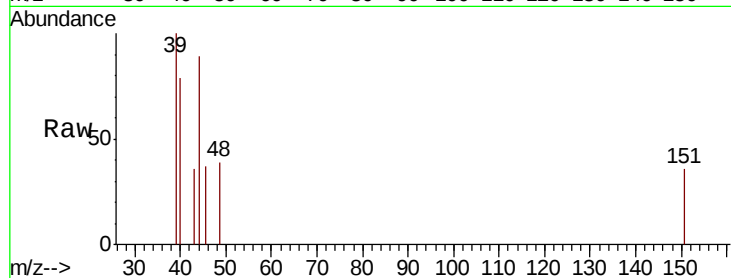




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

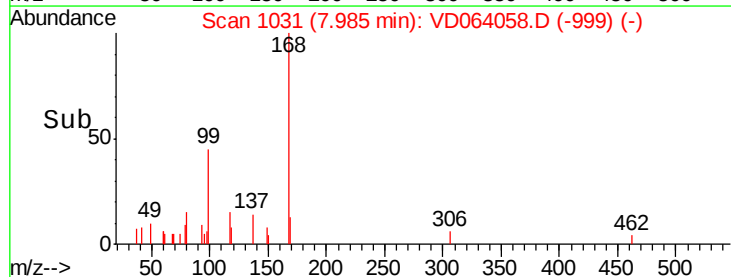
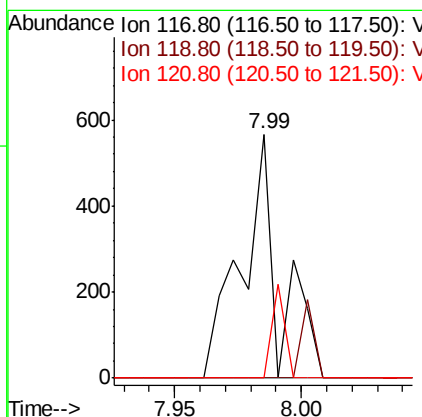
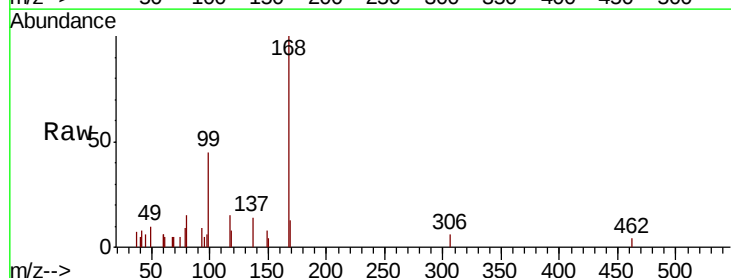
Instrument :
MSVOA_D
ClientSampled :

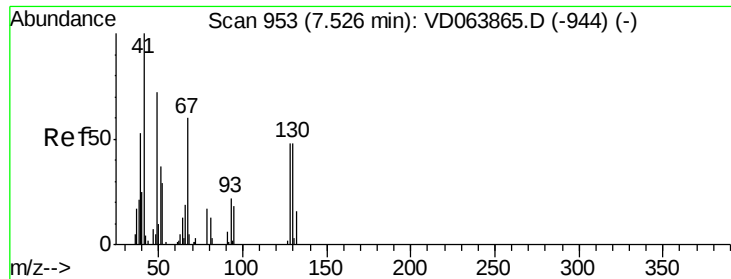
Tot Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 118.2 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 4.771 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

Tgt Ion: 117 Resp: 592
Ion Ratio Lower Upper
117 100
119 0.0 70.8 106.2#
121 0.0 21.4 32.0#

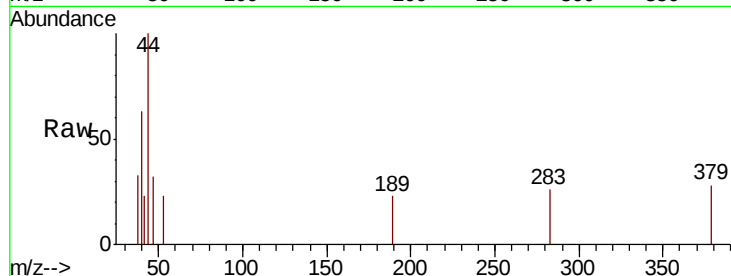




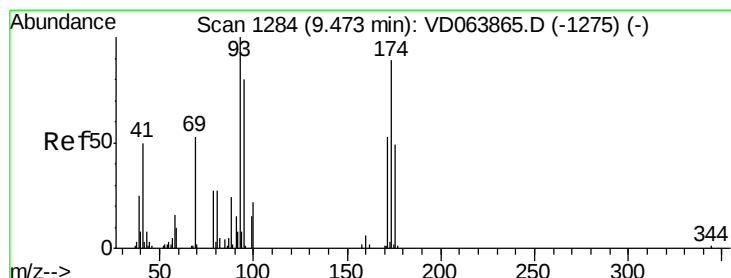
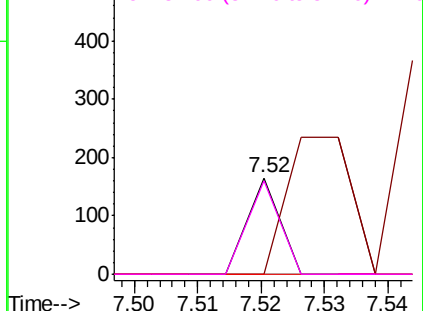
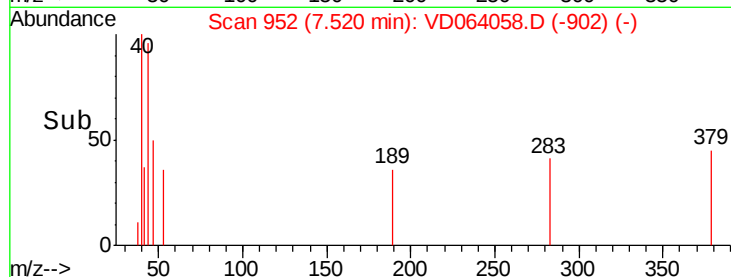
#41
Methacrylonitrile
Concen: 2.037 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
39 286.2 52.6 78.8#
67 0.0 74.2 111.2#
52 98.3 34.0 51.0#

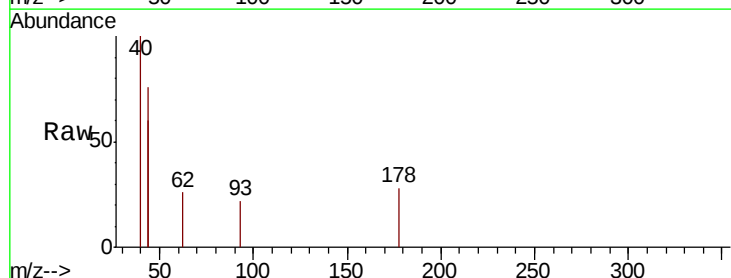


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

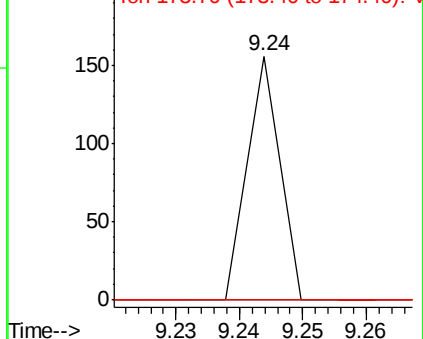
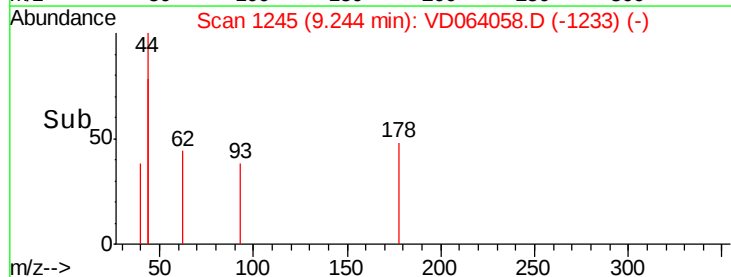


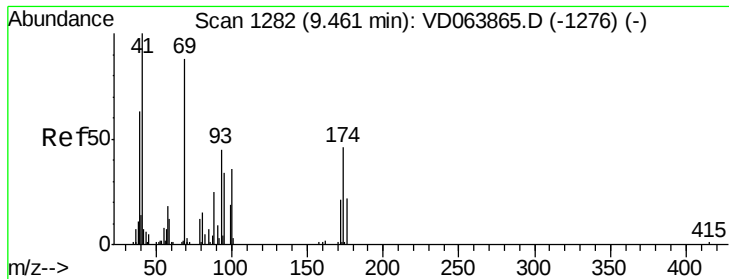
#46
Dibromomethane
Concen: 1.121 ug/l
RT: 9.24 min Scan# 1245
Delta R.T. -0.23 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

Tgt Ion: 93 Resp: 55
Ion Ratio Lower Upper
93 100
95 0.0 66.0 99.0#
174 0.0 83.4 125.0#



Abundance Ion 92.80 (92.50 to 93.50): VDC
Ion 94.80 (94.50 to 95.50): VDC
Ion 173.70 (173.40 to 174.40): V

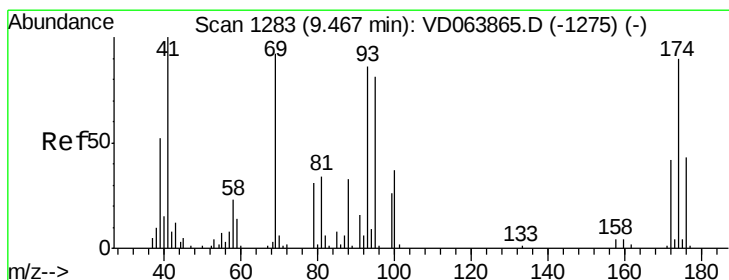
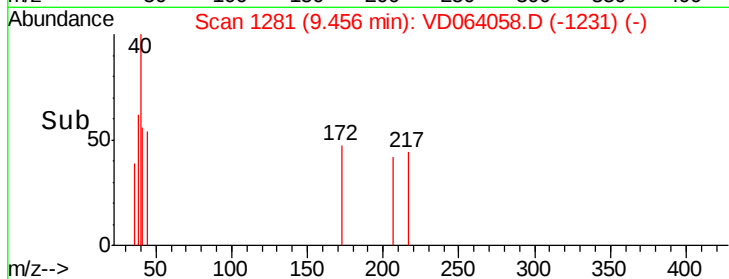
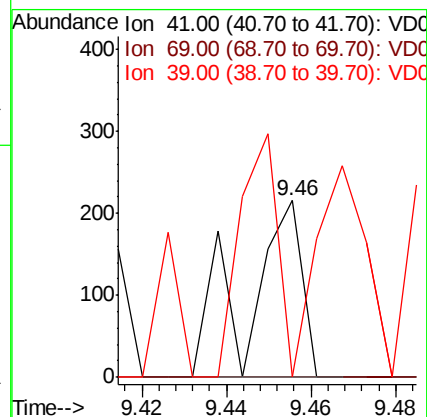
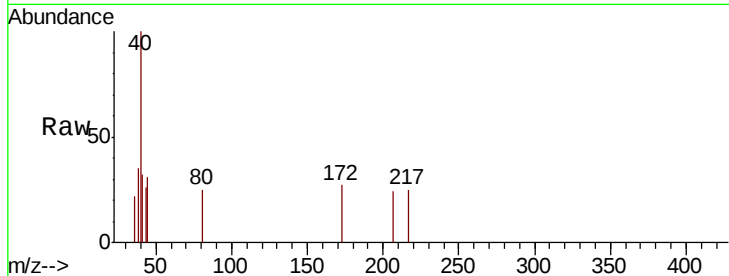




#48
Methyl methacrylate
Concen: 3.932 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

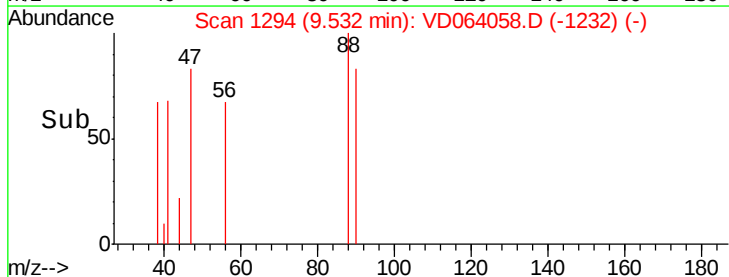
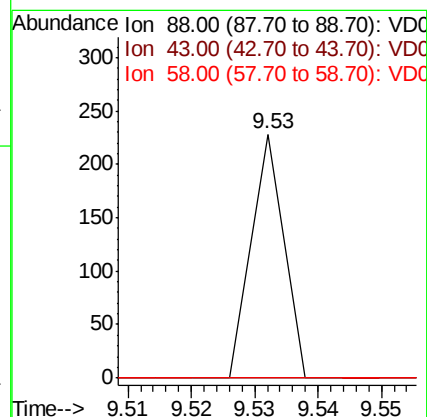
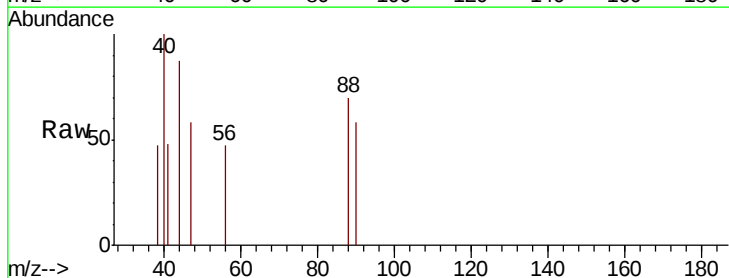
Instrument :
MSVOA_D
ClientSampled :

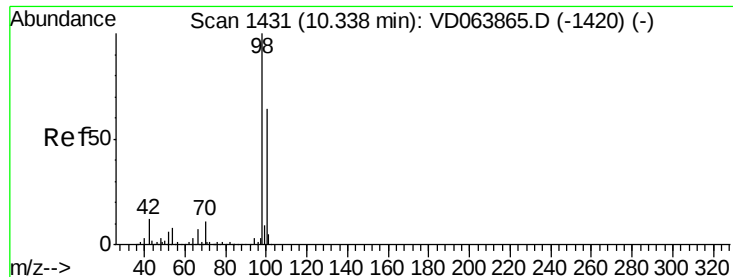
Tot Ion: 41 Resp: 194
Ion Ratio Lower Upper
41 100
69 0.0 75.1 112.7#
39 94.3 50.2 75.2#



#49
1,4-Dioxane
Concen: 119.481 ug/l
RT: 9.53 min Scan# 1294
Delta R.T. 0.06 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 0.0 54.1 81.1#

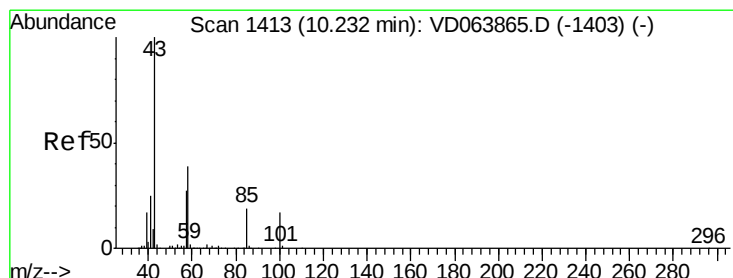
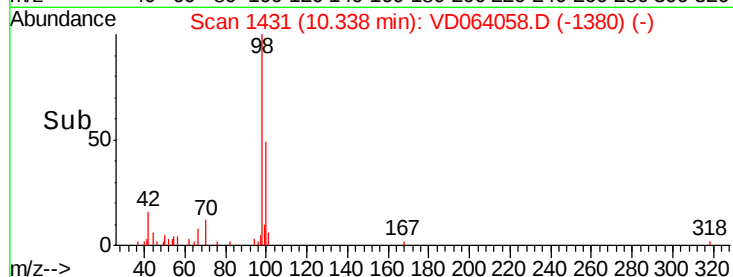
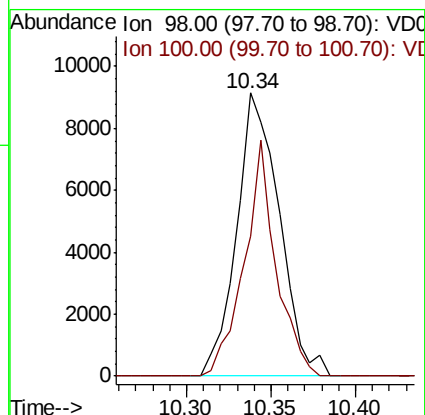
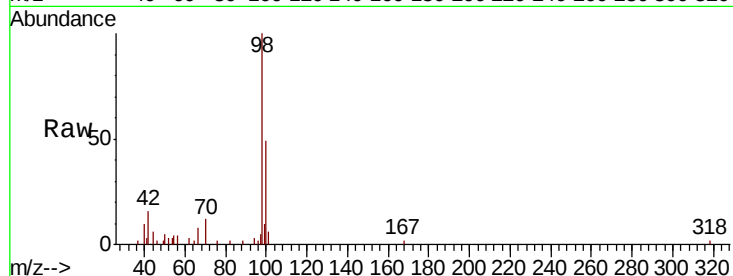




#50
Toluene-d8
Concen: 48.273 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

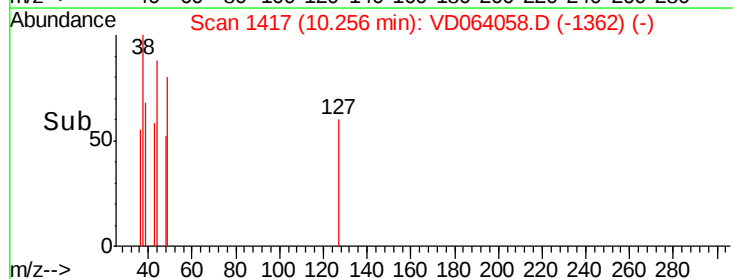
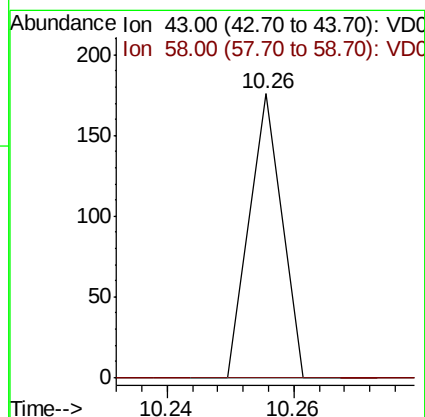
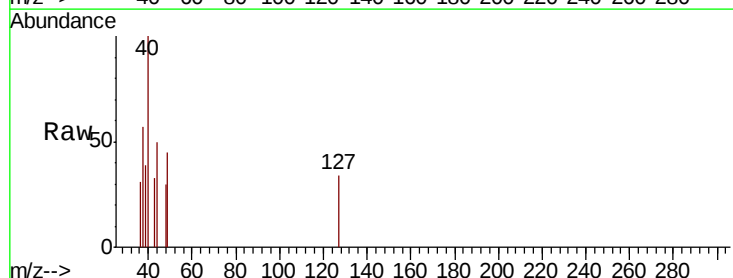
Instrument :
MSVOA_D
ClientSampled :

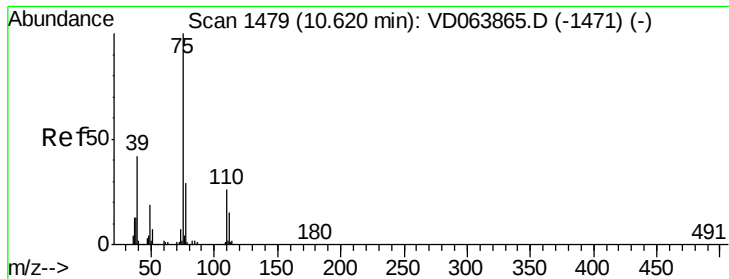
Tot Ion: 98 Resp: 16081
Ion Ratio Lower Upper
98 100
100 62.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.161 ug/l
RT: 10.26 min Scan# 1417
Delta R.T. 0.02 min
Lab File: VD064058.D
Acq: 24 Oct 2019 21:04

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 33.0 49.4#





#53

t-1,3-Dichloropropene

Concen: 1.834 ug/l

RT: 10.64 min Scan# 1483

Delta R.T. 0.02 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

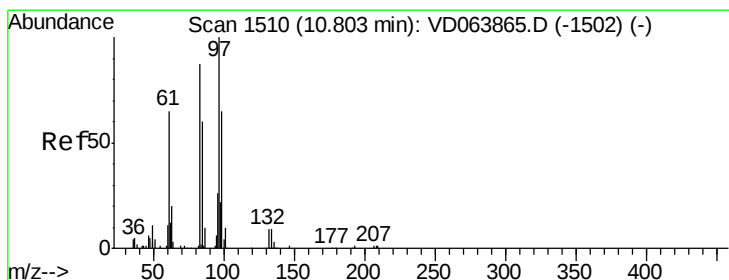
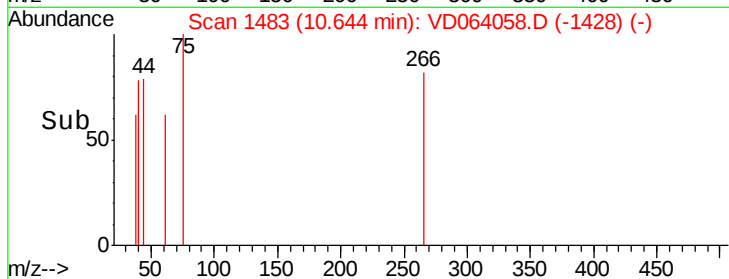
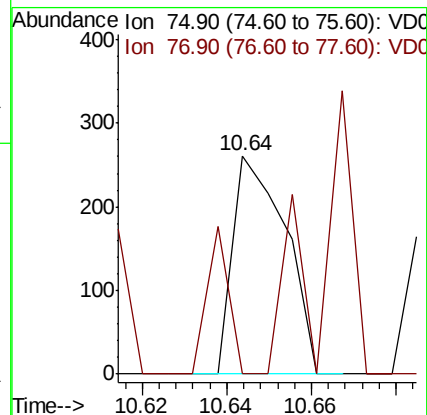
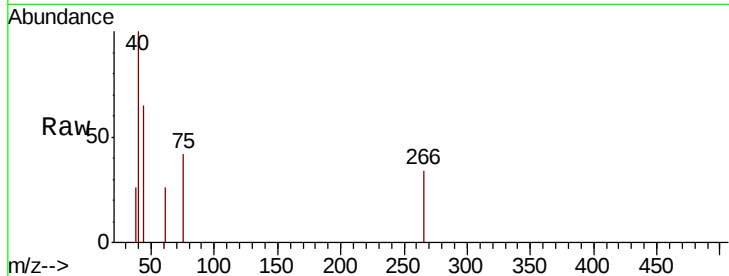
ClientSampled :

Tot Ion: 75 Resp: 226

Ion Ratio Lower Upper

75 100

77 0.0 22.8 34.2#



#55

1,1,2-Trichloroethane

Concen: 1.487 ug/l

RT: 10.79 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Tgt Ion: 97 Resp: 103

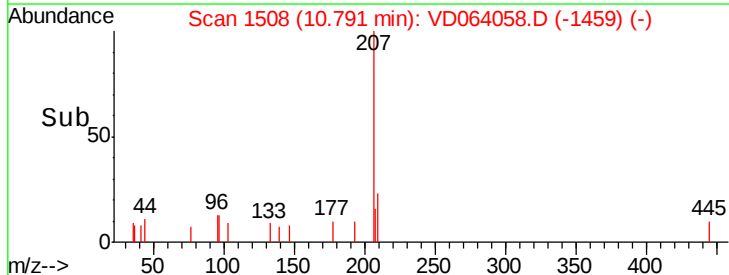
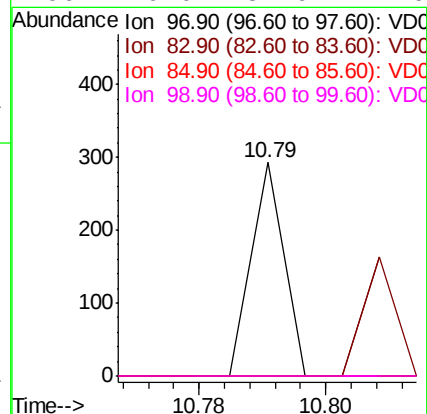
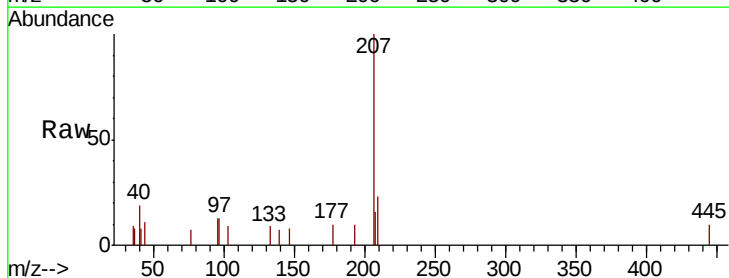
Ion Ratio Lower Upper

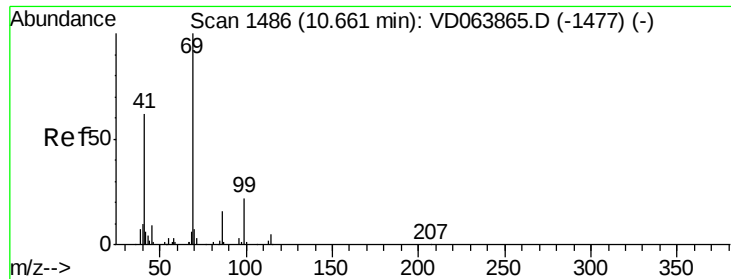
97 100

83 0.0 69.7 104.5#

85 0.0 48.1 72.1#

99 0.0 51.9 77.9#





#56

Ethyl methacrylate

Concen: 1.288 ug/l

RT: 10.78 min Scan# 1507

Delta R.T. 0.12 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

ClientSampled :

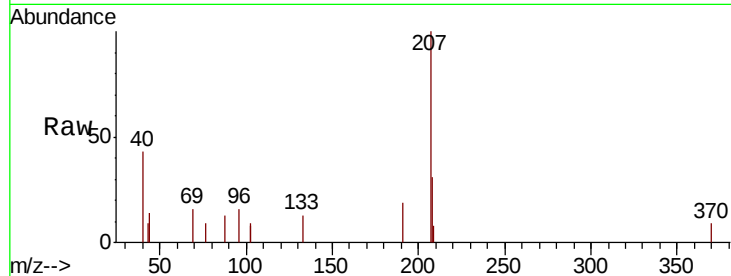
Tot Ion: 69 Resp: 113

Ion Ratio Lower Upper

69 100

41 58.4 51.3 76.9

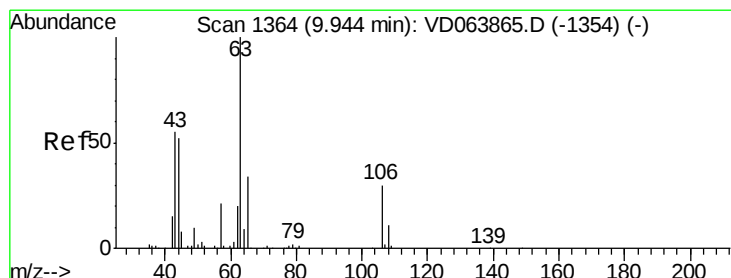
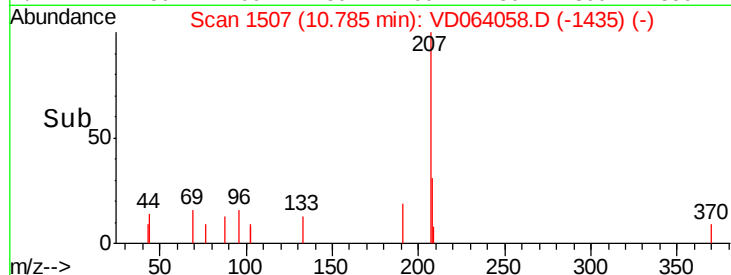
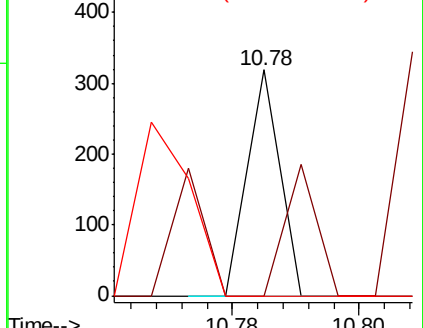
39 0.0 28.0 42.0#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 2.573 ug/l

RT: 9.91 min Scan# 1359

Delta R.T. -0.03 min

Lab File: VD064058.D

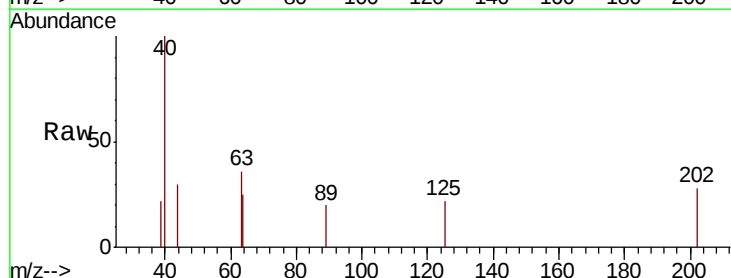
Acq: 24 Oct 2019 21:04

Tgt Ion: 63 Resp: 97

Ion Ratio Lower Upper

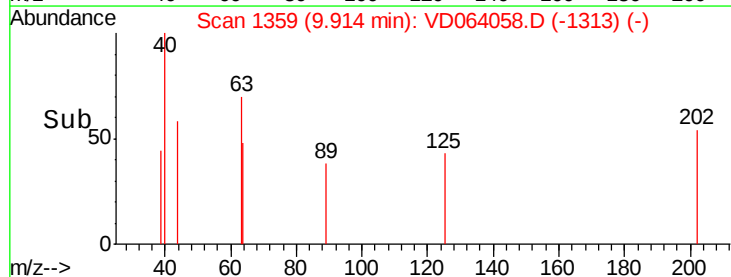
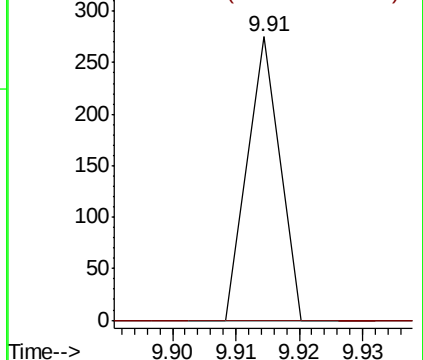
63 100

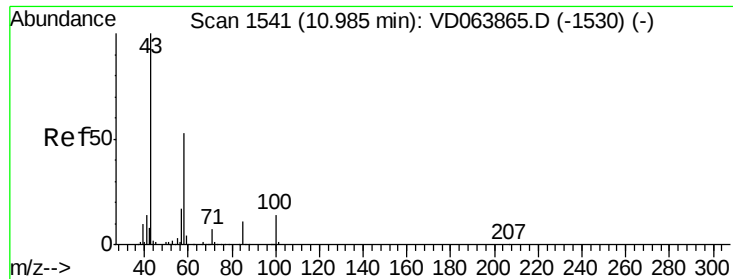
106 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 4.478 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.21 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

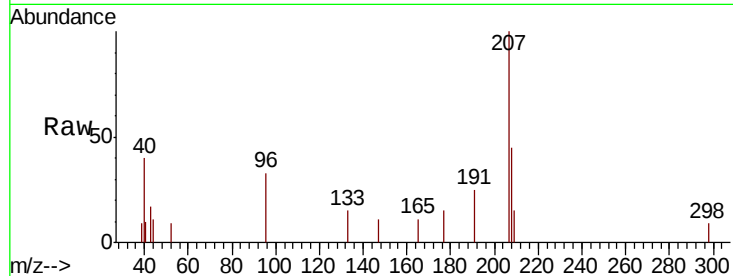
ClientSampleId :

Tot Ion: 43 Resp: 173

Ion Ratio Lower Upper

43 100

58 63.0 27.7 83.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.77

300

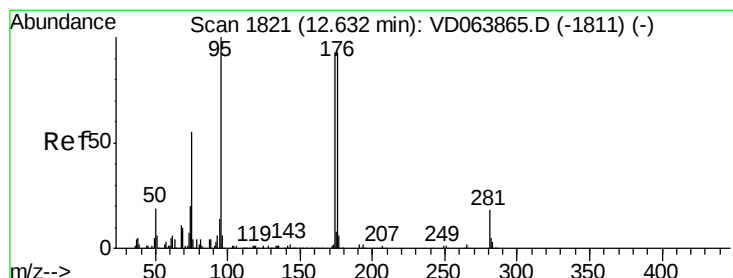
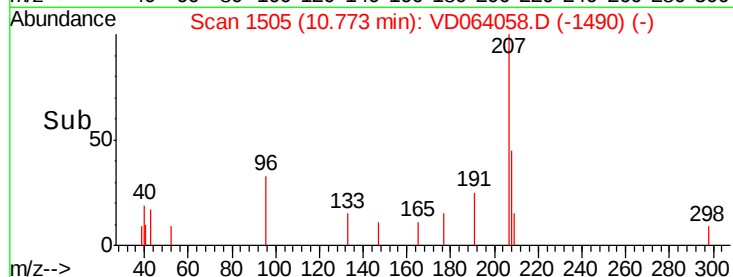
200

100

0

10.76 10.78 10.80

Time-->



#62

4-Bromofluorobenzene

Concen: 48.435 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

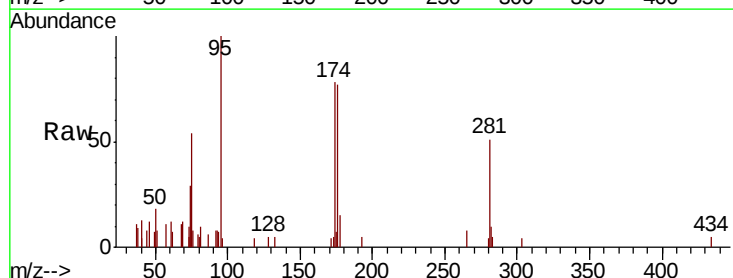
Tgt Ion: 95 Resp: 5607

Ion Ratio Lower Upper

95 100

174 105.2 0.0 186.4

176 96.0 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

5000

4000

3000

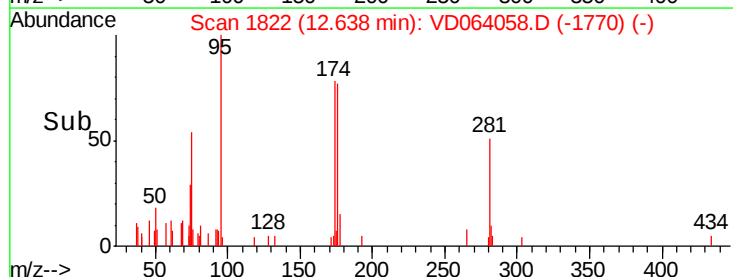
2000

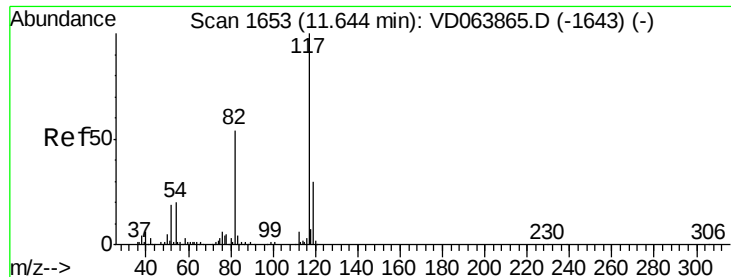
1000

0

12.60 12.65

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

ClientSampleId :

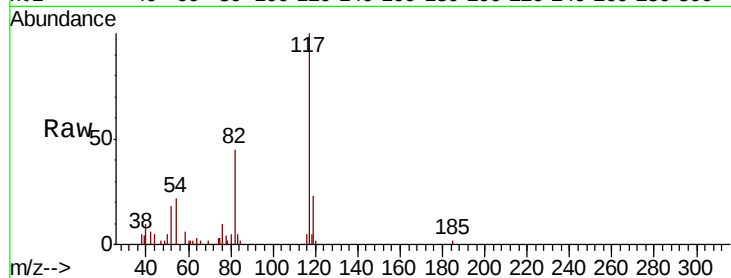
Tot Ion:117 Resp: 15123

Ion Ratio Lower Upper

117 100

82 45.2 42.8 64.2

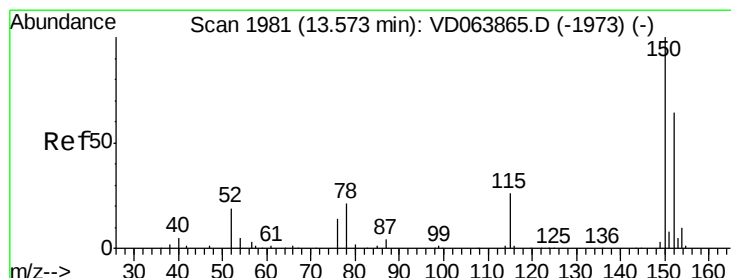
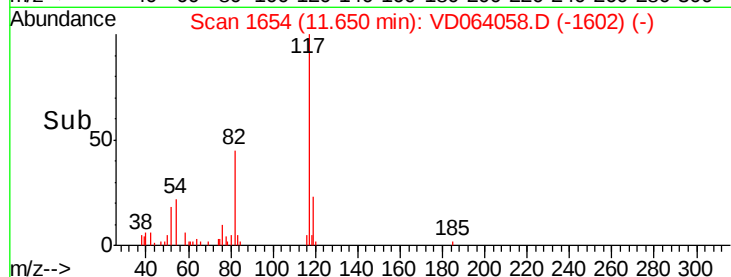
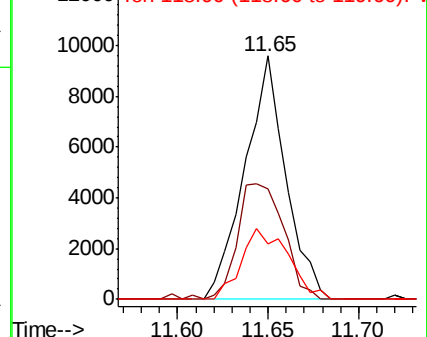
119 22.6 24.4 36.6#



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: VD064058.D

Acq: 24 Oct 2019 21:04

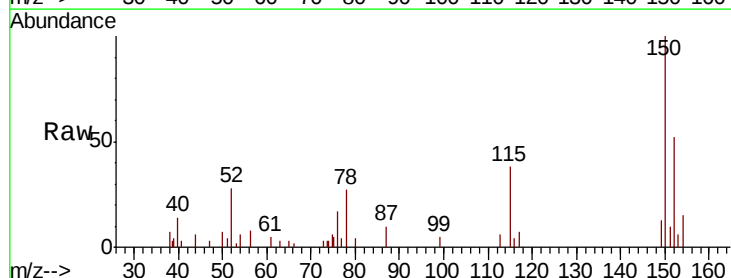
Tgt Ion:152 Resp: 7077

Ion Ratio Lower Upper

152 100

115 59.3 25.9 77.7

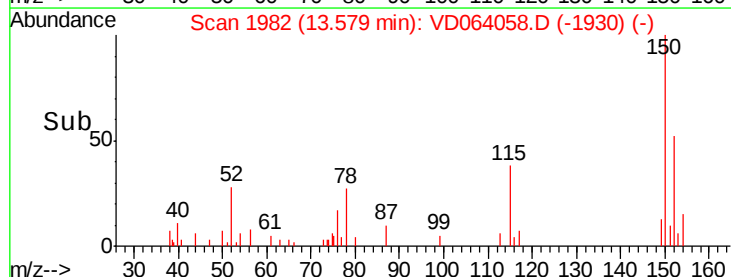
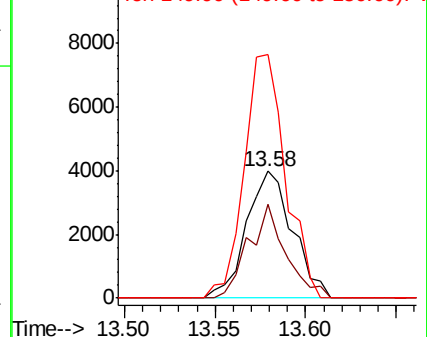
150 171.4 0.0 344.2

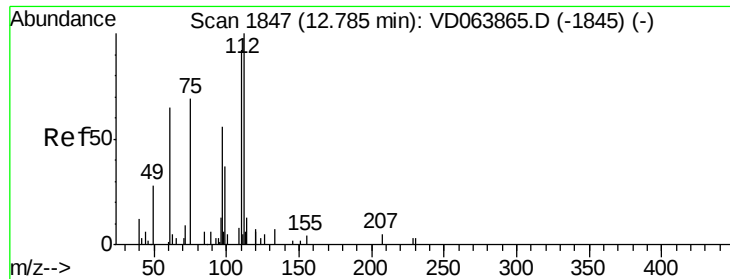


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 79.874 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

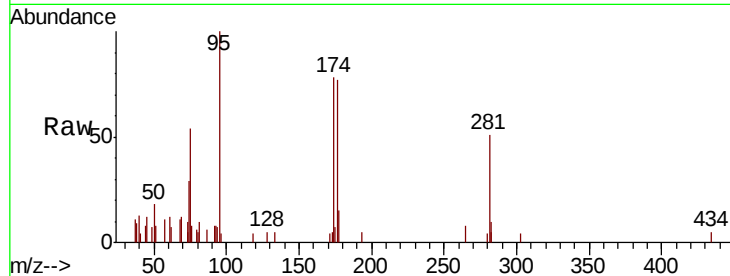
ClientSampleId :

Tot Ion: 75 Resp: 3786

Ion Ratio Lower Upper

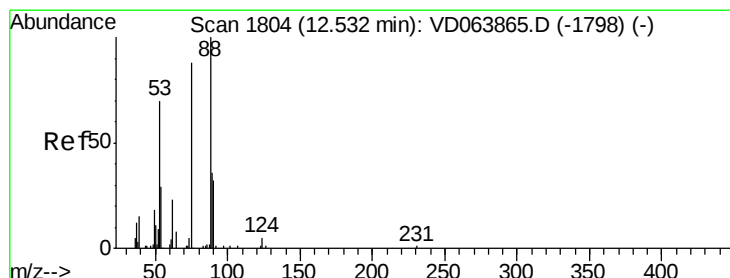
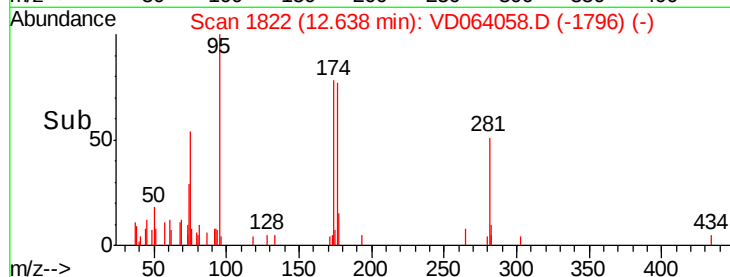
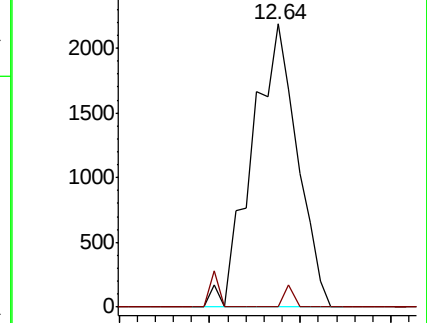
75 100

77 1.6 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: 141.345 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

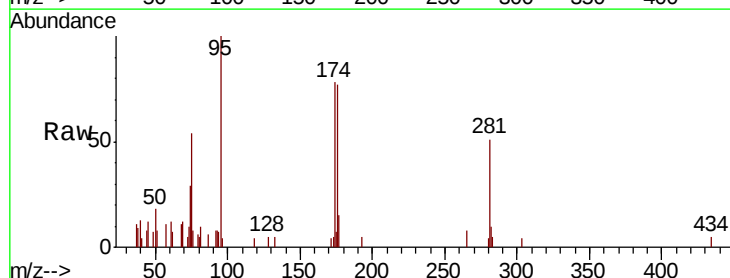
Tgt Ion: 75 Resp: 3786

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

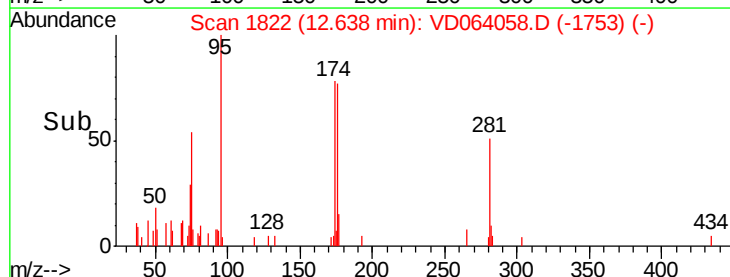
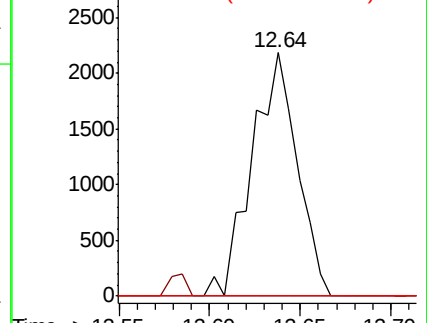
89 0.0 38.2 57.4#

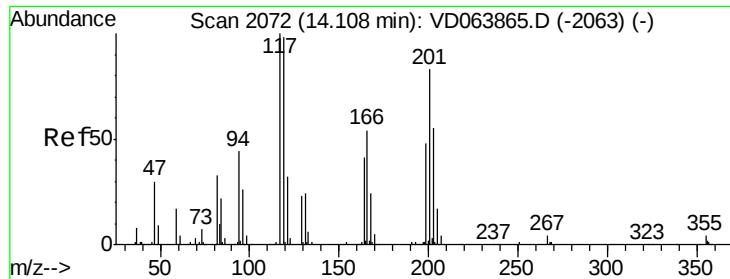


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#90

Hexachloroethane

Concen: 1.096 ug/l

RT: 14.23 min Scan# 2092

Delta R.T. 0.12 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

Instrument :

MSVOA_D

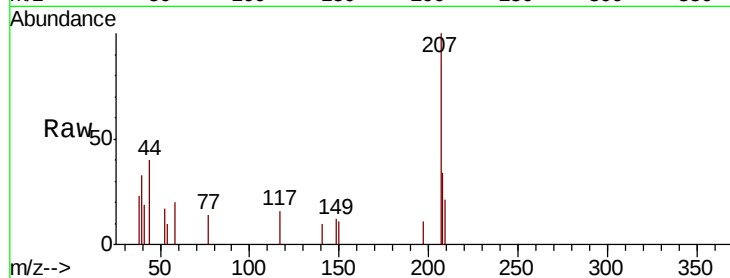
ClientSampleId :

Tot Ion:117 Resp: 89

Ion Ratio Lower Upper

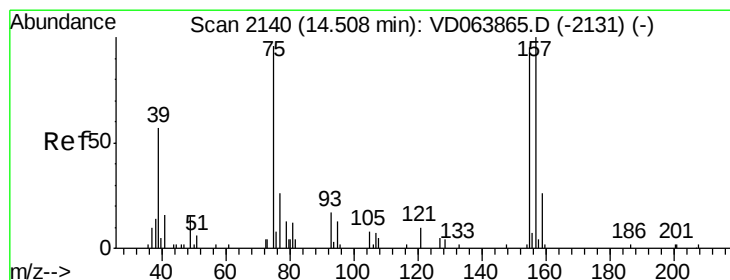
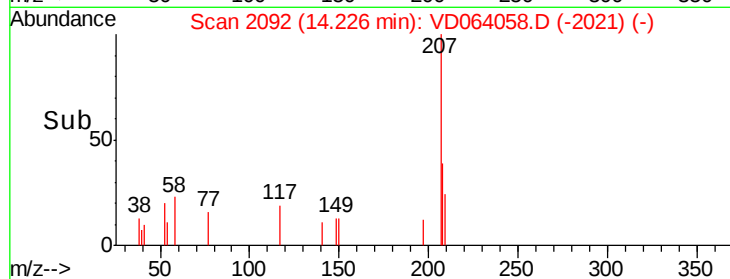
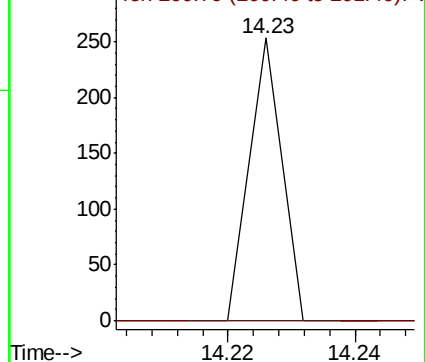
117 100

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: 1.912 ug/l

RT: 14.53 min Scan# 2144

Delta R.T. 0.02 min

Lab File: VD064058.D

Acq: 24 Oct 2019 21:04

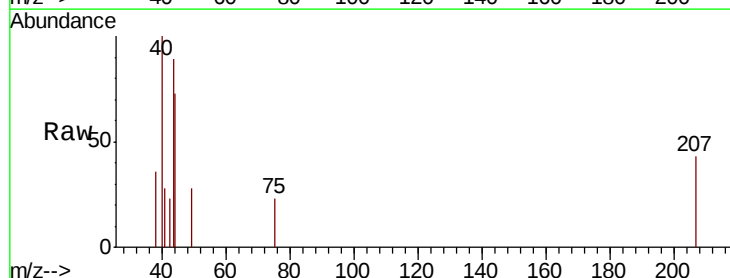
Tgt Ion: 75 Resp: 55

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

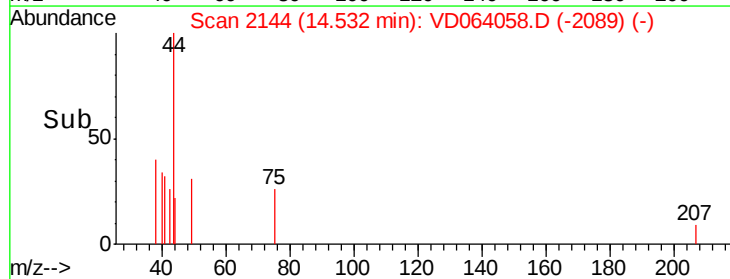
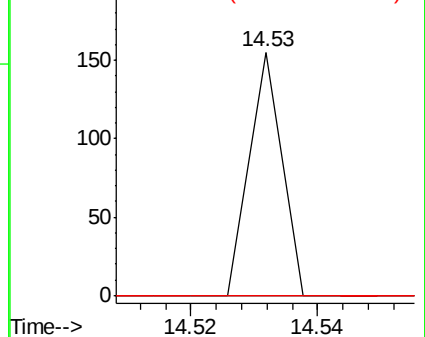
157 0.0 56.0 167.9#

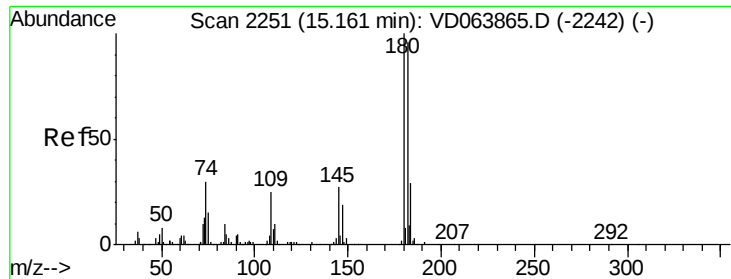


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93
 1,2,4-Trichlorobenzene
 Concen: 1.027 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064058.D
 Acq: 24 Oct 2019 21:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	38.8	47.4	142.3#
145	0.0	13.9	41.7#

