

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064334.D
 Acq On : 21 Nov 2019 19:49
 Operator : VA/SY
 Sample : K5671-11
 Misc : 7.9G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:44:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	201	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	
50) Toluene-d8	10.34	98	922	64.41	ug/l	0.00
Spiked Amount						
			Recovery	=	128.82%	
62) 4-Bromofluorobenzene	12.63	95	354	71.42	ug/l	0.00
Spiked Amount						
			Recovery	=	142.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	61	14.710	ug/l #	42
3) Chloromethane	2.11	50	59	13.264	ug/l #	42
4) Vinyl Chloride	2.56	62	54	11.353	ug/l #	42
6) Chloroethane	2.96	64	579	190.500	ug/l #	43
8) Diethyl Ether	3.65	74	58	27.353	ug/l #	2
13) Acrolein	3.94	56	54	222.240	ug/l #	15
14) Allyl chloride	4.71	41	105	14.135	ug/l #	75
15) Acrylonitrile	5.61	53	57	63.055	ug/l #	17
16) Acetone	4.18	43	60	61.590	ug/l #	45
18) Methyl Acetate	4.70	43	72	26.462	ug/l #	53
21) trans-1,2-Dichloroethene	5.64	96	92	19.328	ug/l #	1
22) Diisopropyl ether	6.33	45	66	4.789	ug/l #	6
23) Vinyl Acetate	6.31	43	80	10.413	ug/l #	73
25) 2-Butanone	7.21	43	129	102.495	ug/l #	49
26) 2,2-Dichloropropane	7.13	77	76	9.684	ug/l #	54
27) cis-1,2-Dichloroethene	7.25	96	145	28.406	ug/l #	1
29) Tetrahydrofuran	7.61	42	125	165.303	ug/l #	35
30) Chloroform	7.63	83	75	9.162	ug/l #	18
31) Cyclohexane	8.01	56	180	22.302	ug/l #	14
32) 1,1,1-Trichloroethane	7.77	97	57	7.272	ug/l #	24
37) Ethyl Acetate	7.28	43	245	95.264	ug/l #	70
38) Carbon Tetrachloride	8.30	117	57	8.732	ug/l #	12
39) Methylcyclohexane	9.13	83	60	7.773	ug/l #	18
41) Methacrylonitrile	7.51	41	367	227.043	ug/l #	57
43) Isopropyl Acetate	8.46	43	112	21.136	ug/l #	53
46) Dibromomethane	9.63	93	56	25.776	ug/l #	1
48) Methyl methacrylate	9.47	41	135	52.102	ug/l #	37
51) 4-Methyl-2-Pentanone	10.20	43	54	21.251	ug/l #	37
52) Toluene	10.40	92	381	34.752	ug/l #	1
53) t-1,3-Dichloropropene	10.37	75	56	9.552	ug/l #	44
55) 1,1,2-Trichloroethane	10.67	97	123	41.735	ug/l #	17
56) Ethyl methacrylate	10.51	69	91	22.073	ug/l #	26
59) 2-Hexanone	11.01	43	138	76.334	ug/l #	26
61) 1,2-Dibromoethane	10.97	107	56	18.971	ug/l #	3

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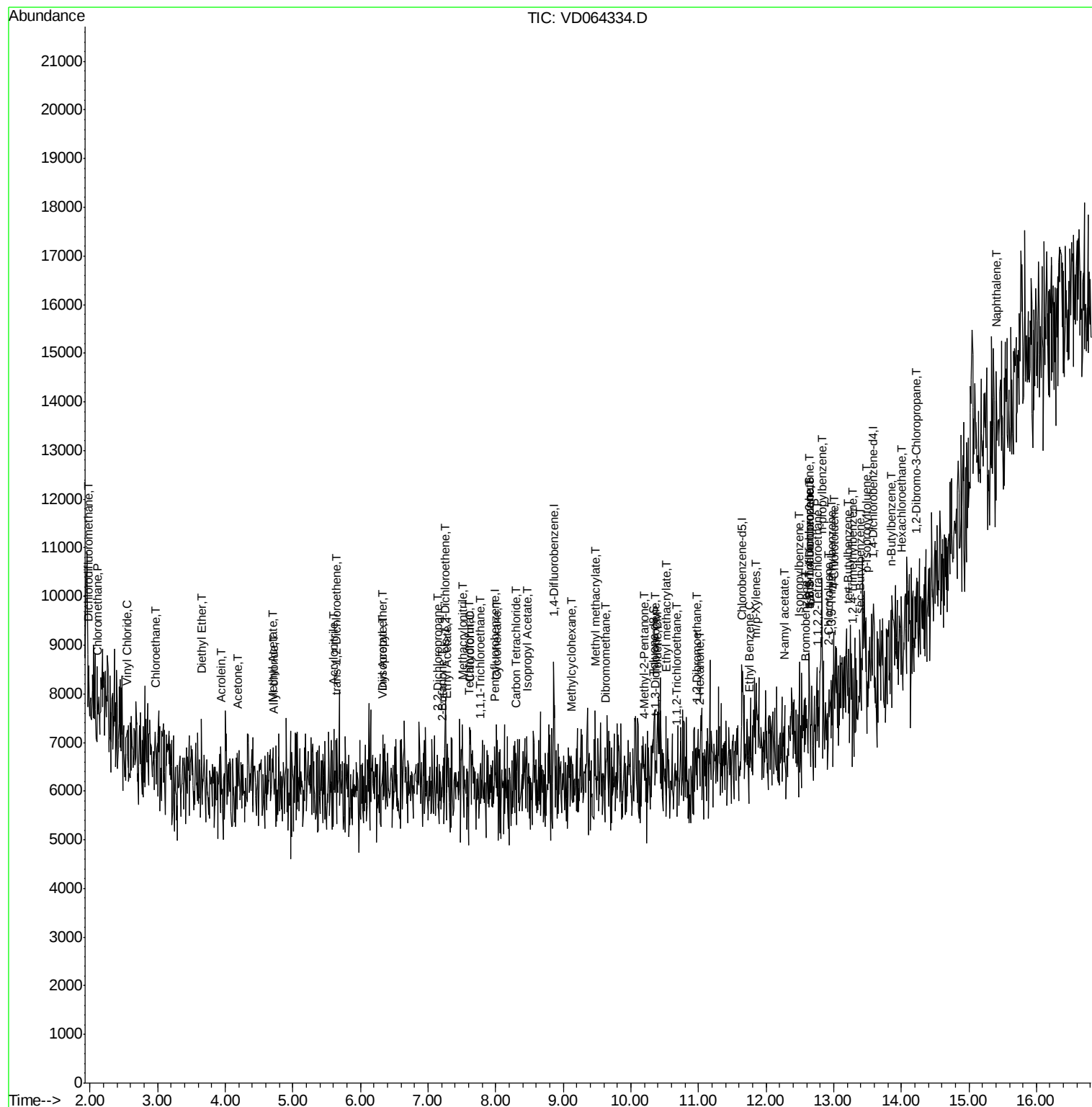
67) Ethyl Benzene	11.74	91	117	4.564	ug/l #	43
68) m/p-Xylenes	11.86	106	101	10.278	ug/l #	68
73) Isopropylbenzene	12.50	105	60	4.067	ug/l #	48
74) N-amyl acetate	12.28	43	368	105.627	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.76	83	60	26.990	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	83	51.266	ug/l #	100
77) Bromobenzene	12.59	156	150	41.850	ug/l #	1
78) n-propylbenzene	12.82	91	437	25.926	ug/l #	52
79) 2-Chlorotoluene	12.93	91	88	9.247	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.97	105	133	10.971	ug/l #	27
81) trans-1,4-Dichloro-2-buten	12.64	75	83	101.835	ug/l #	63
82) 4-Chlorotoluene	13.01	91	62	6.246	ug/l #	39
83) tert-Butylbenzene	13.22	119	63	5.894	ug/l #	27
84) 1,2,4-Trimethylbenzene	13.28	105	427	35.677	ug/l #	49
85) sec-Butylbenzene	13.40	105	57	3.970	ug/l #	55
86) p-Isopropyltoluene	13.48	119	58	4.249	ug/l #	50
89) n-Butylbenzene	13.86	91	56	4.541	ug/l #	32
90) Hexachloroethane	14.00	117	56	22.200	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.23	75	67	168.567	ug/l #	1
95) Naphthalene	15.41	128	54	7.583	ug/l #	69

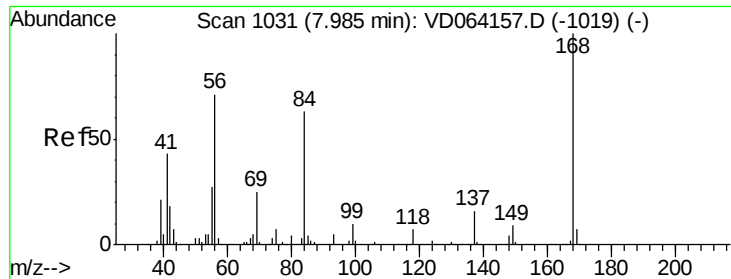
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064334.D

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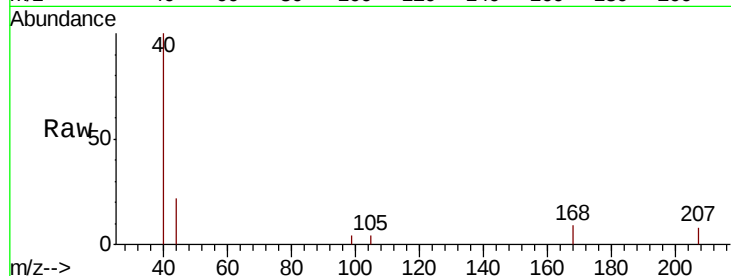
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 500

Ion Ratio Lower Upper

168 100

99 45.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

400

300

200

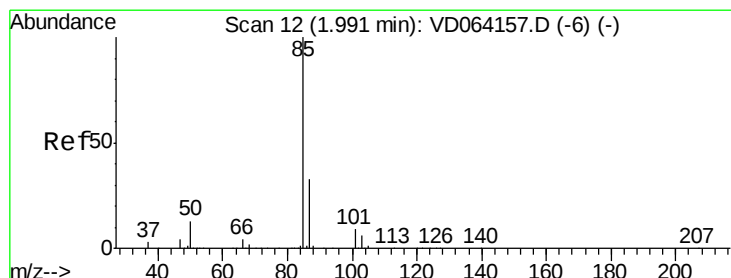
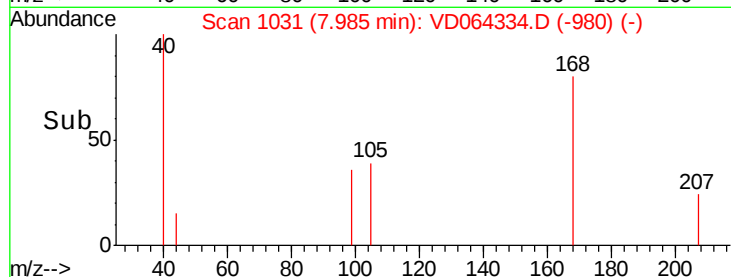
100

0

7.95

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 14.710 ug/l

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD064334.D

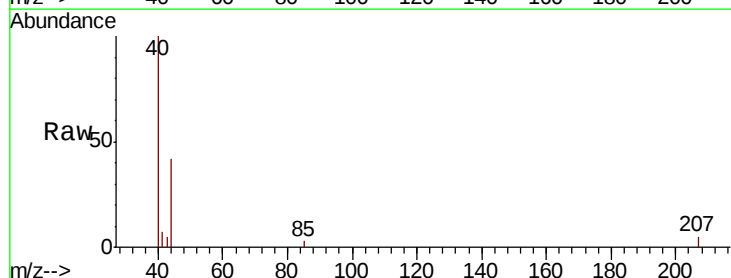
Acq: 21 Nov 2019 19:49

Tgt Ion: 85 Resp: 61

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

200

150

100

50

0

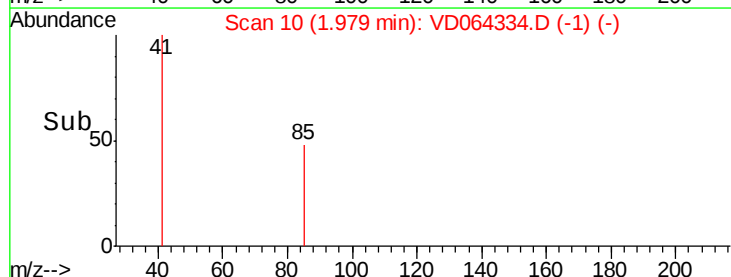
1.96

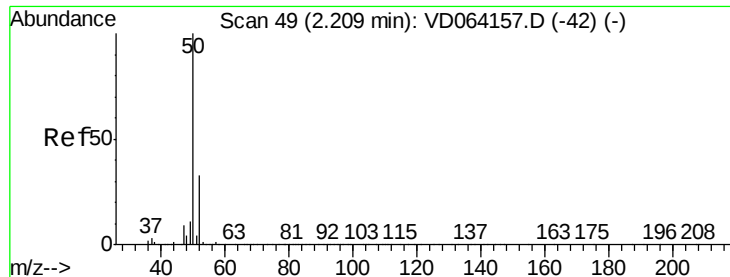
1.97

1.98

1.99

Time-->

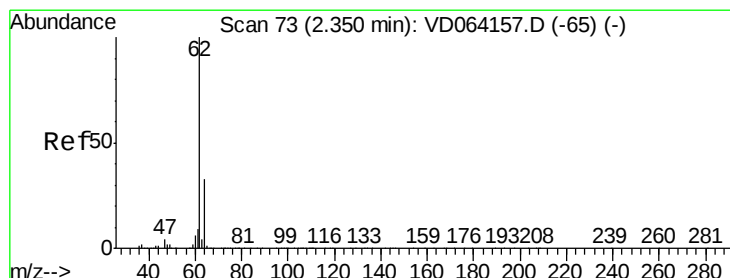
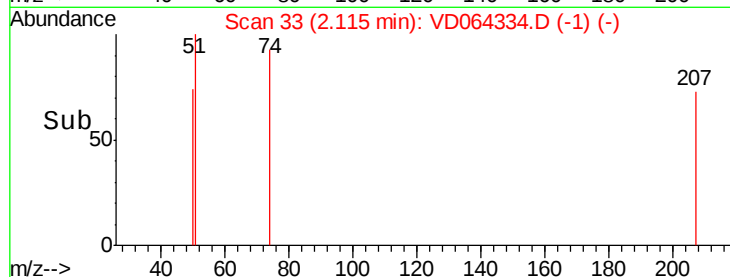
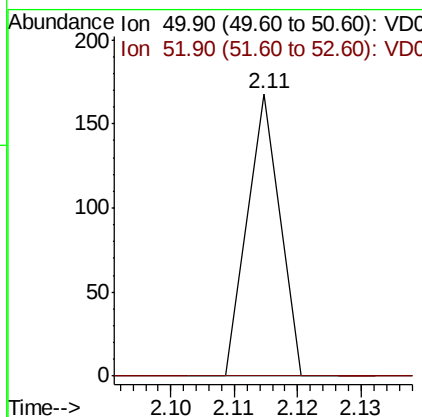
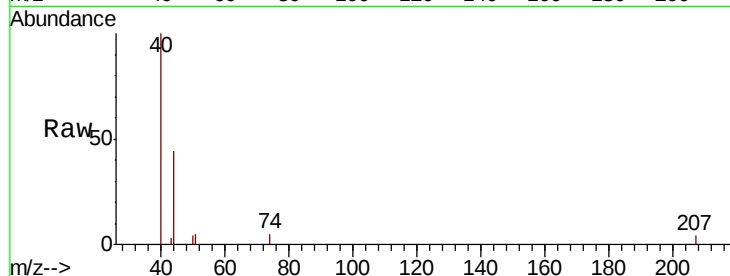




#3
Chloromethane
Concen: 13.264 ug/l
RT: 2.11 min Scan# 33
Delta R.T. -0.09 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

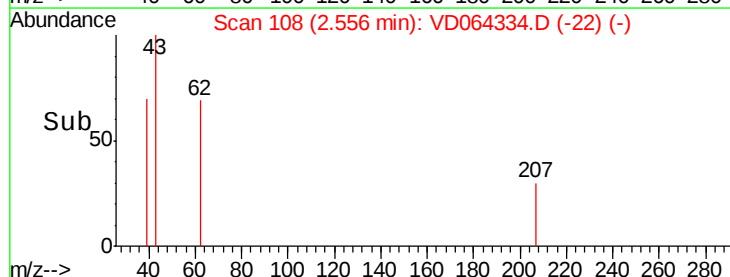
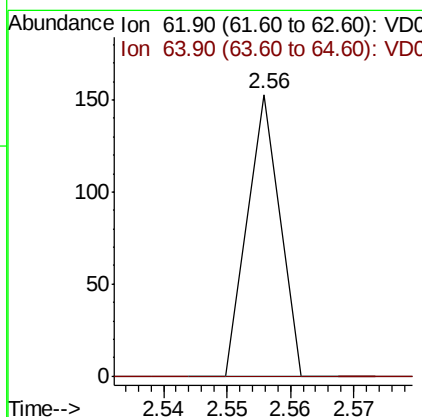
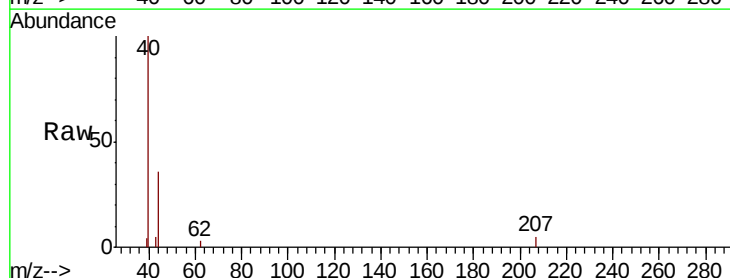
Instrument :
MSVOA_D
ClientSampleId :

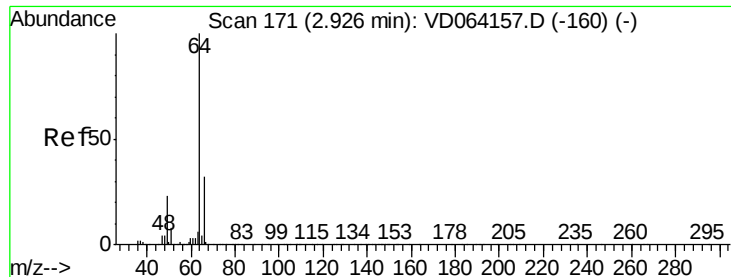
Tot Ion: 50 Resp: 59
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#



#4
Vinyl Chloride
Concen: 11.353 ug/l
RT: 2.56 min Scan# 108
Delta R.T. 0.21 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Tgt Ion: 62 Resp: 54
Ion Ratio Lower Upper
62 100
64 0.0 26.2 39.2#





#6

Chloroethane

Concen: 190.500 ug/l

RT: 2.96 min Scan# 177

Delta R.T. 0.04 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

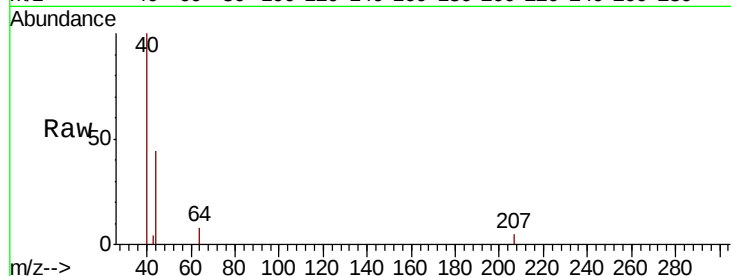
ClientSampled :

Tot Ion: 64 Resp: 579

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.96

300

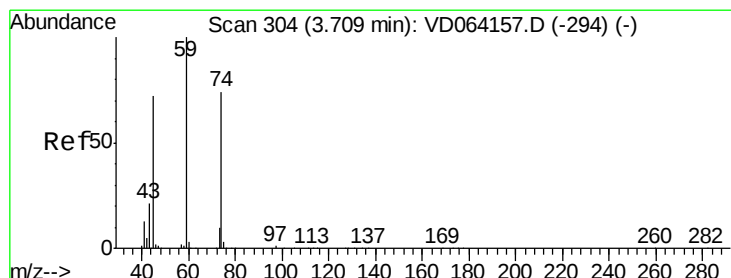
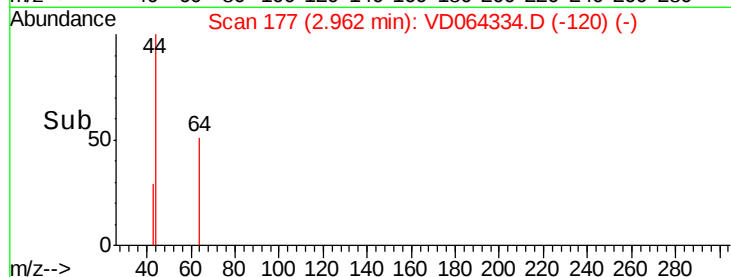
200

100

0

2.95 3.00

Time-->



#8

Diethyl Ether

Concen: 27.353 ug/l

RT: 3.65 min Scan# 294

Delta R.T. -0.06 min

Lab File: VD064334.D

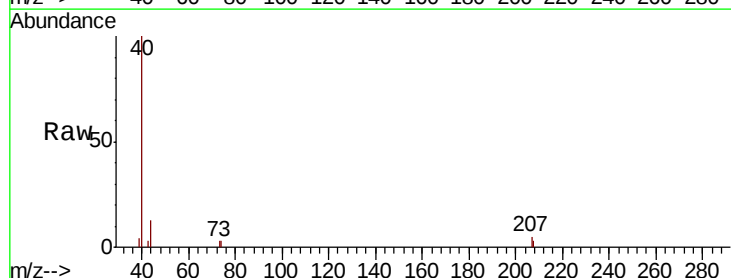
Acq: 21 Nov 2019 19:49

Tgt Ion: 74 Resp: 58

Ion Ratio Lower Upper

74 100

45 0.0 47.9 143.7#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.65

150

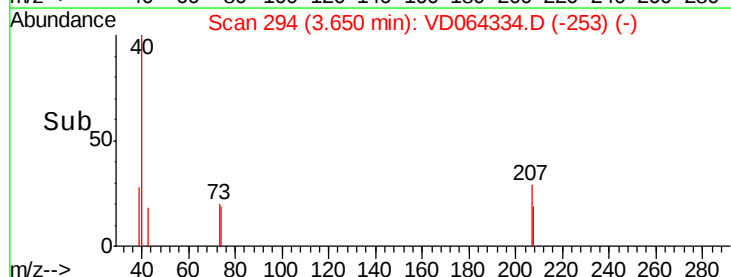
100

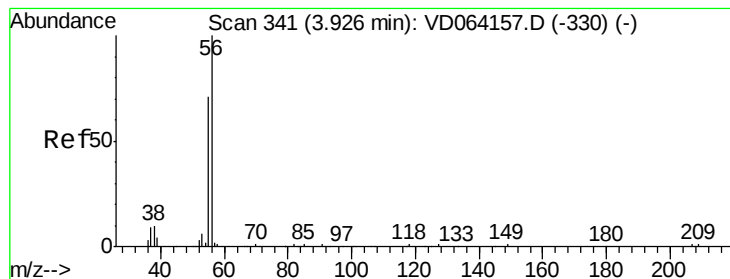
50

0

3.63 3.64 3.65 3.66 3.67

Time-->





#13

Acrolein

Concen: 222.240 ug/l

RT: 3.94 min Scan# 344

Delta R.T. 0.02 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

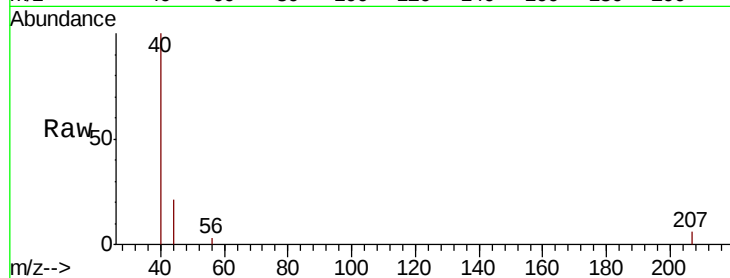
ClientSampleId :

Tot Ion: 56 Resp: 54

Ion Ratio Lower Upper

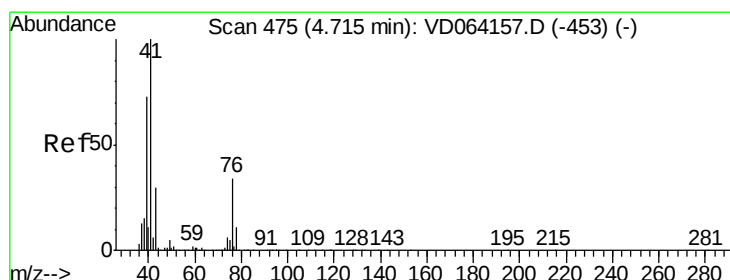
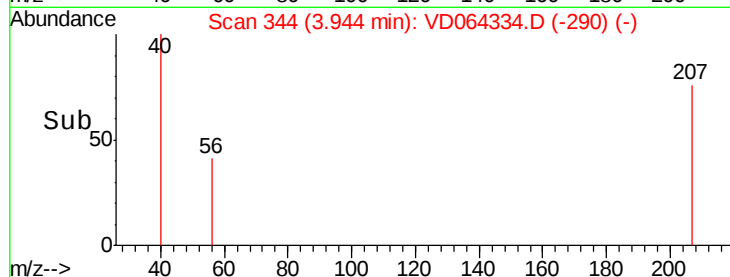
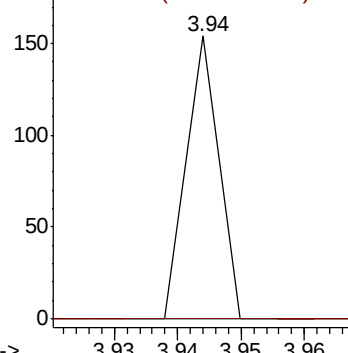
56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 14.135 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

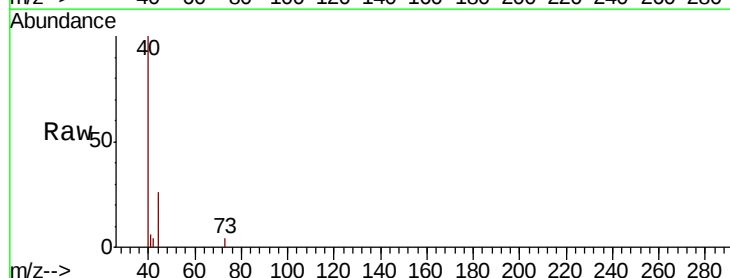
Tgt Ion: 41 Resp: 105

Ion Ratio Lower Upper

41 100

39 79.0 57.5 86.3

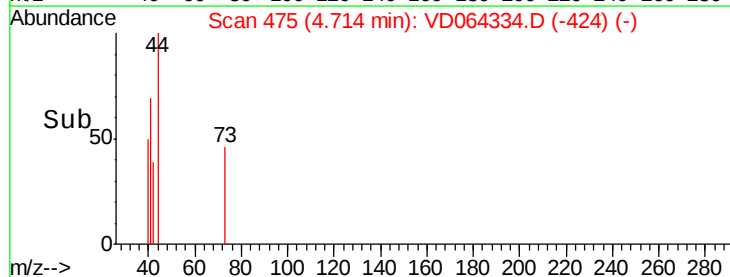
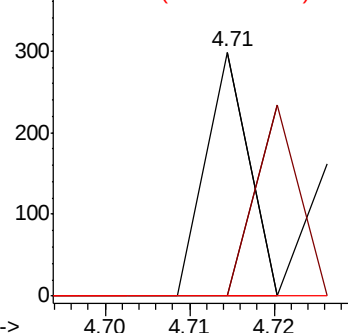
76 0.0 26.8 40.2#

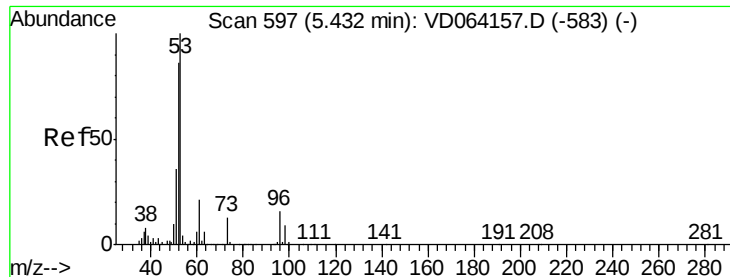


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 63.055 ug/l

RT: 5.61 min Scan# 627

Delta R.T. 0.18 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

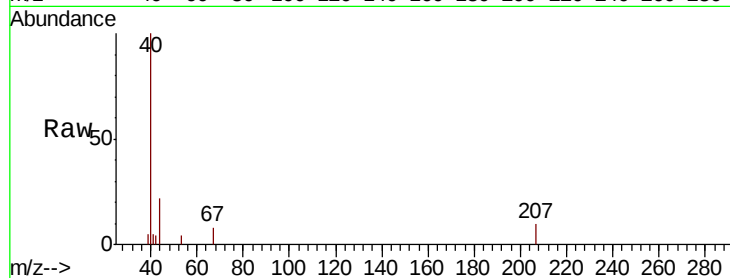
Tot Ion: 53 Resp: 57

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

51 0.0 30.6 46.0#



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

5.61

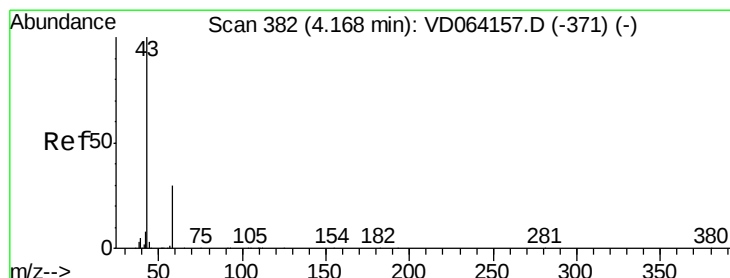
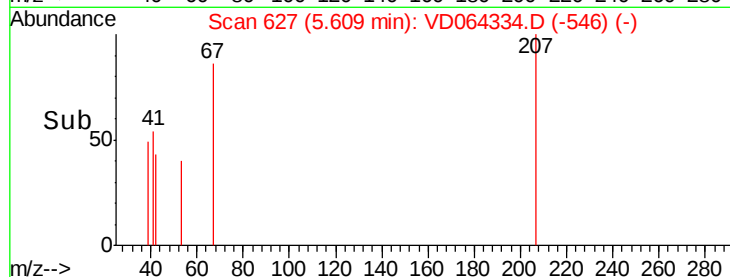
150

100

50

0

Time-->



#16

Acetone

Concen: 61.590 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064334.D

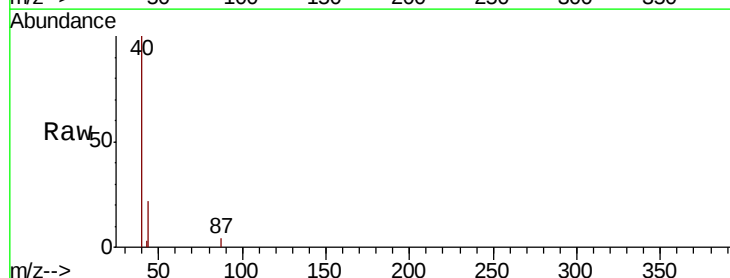
Acq: 21 Nov 2019 19:49

Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.18

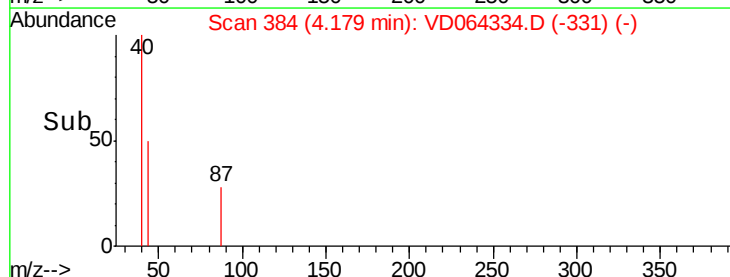
150

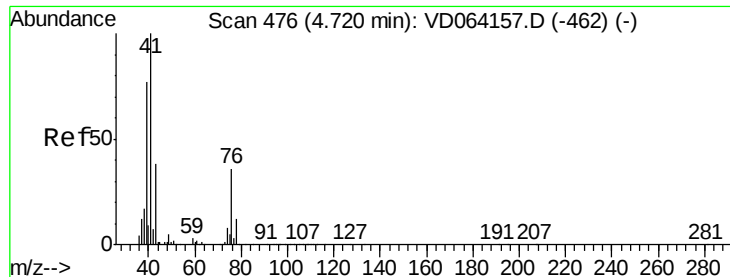
100

50

0

Time-->

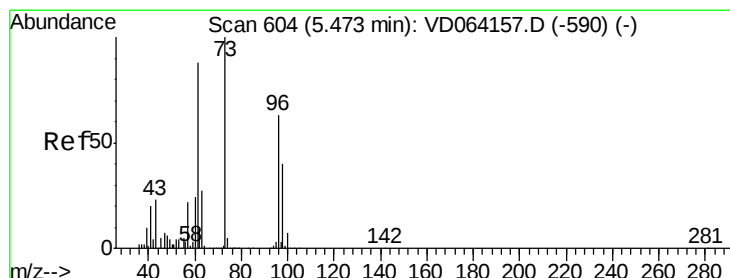
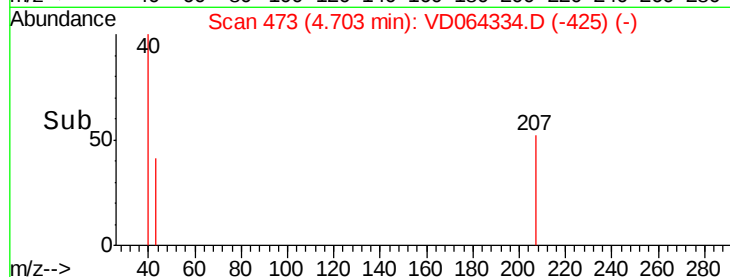
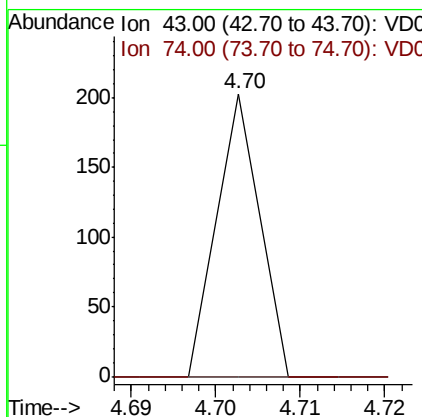
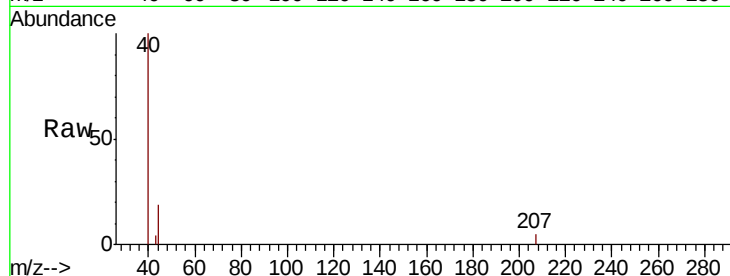




#18
Methvl Acetate
Concen: 26.462 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.02 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

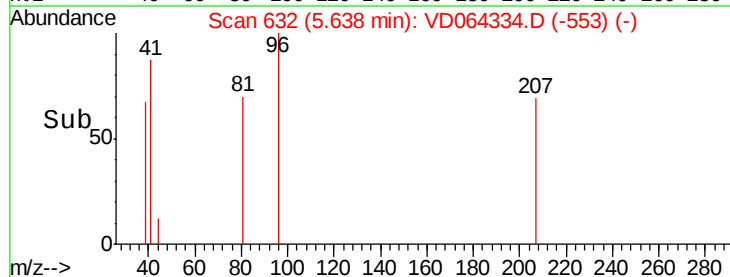
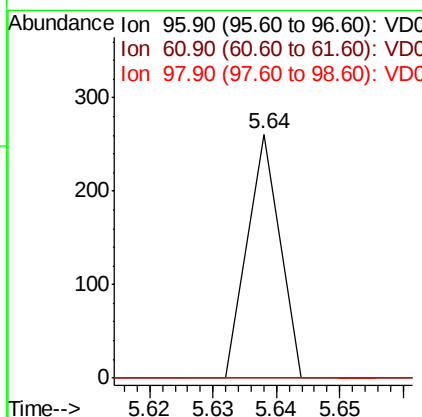
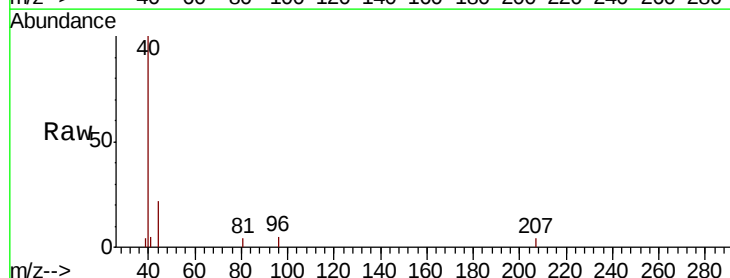
Instrument :
MSVOA_D
ClientSampled :

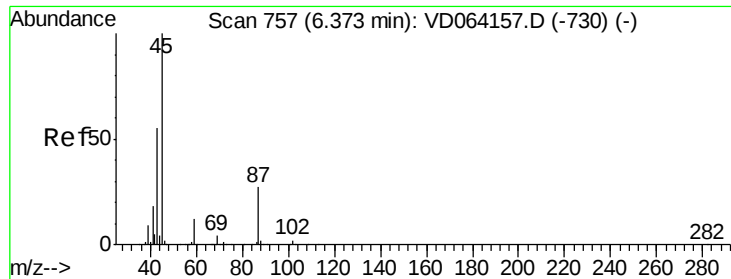
Tot Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 18.4 27.6#



#21
trans-1,2-Dichloroethene
Concen: 19.328 ug/l
RT: 5.64 min Scan# 632
Delta R.T. 0.16 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Tgt Ion: 96 Resp: 92
Ion Ratio Lower Upper
96 100
61 0.0 111.8 167.6#
98 0.0 50.3 75.5#





#22

Diisopropyl ether

Concen: 4.789 ug/l

RT: 6.33 min Scan# 749

Delta R.T. -0.05 min

Lab File: VD064334.D

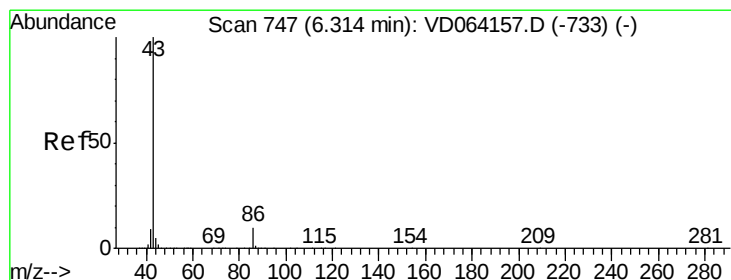
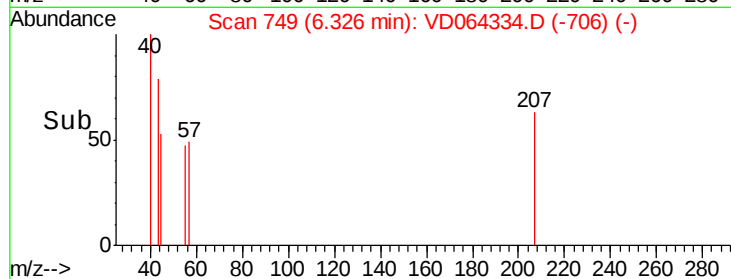
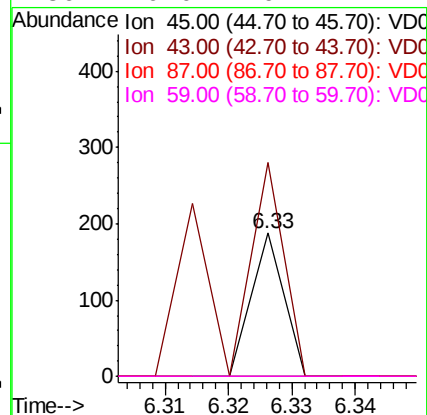
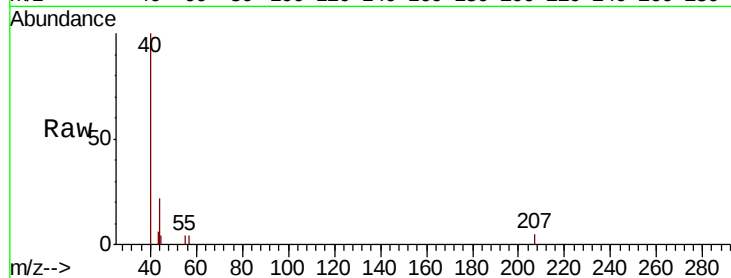
Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	45	Resp:	66
Ion	Ratio	Lower	Upper
45	100		
43	148.9	44.4	66.6#
87	0.0	21.9	32.9#
59	0.0	9.4	14.2#



#23

Vinyl Acetate

Concen: 10.413 ug/l

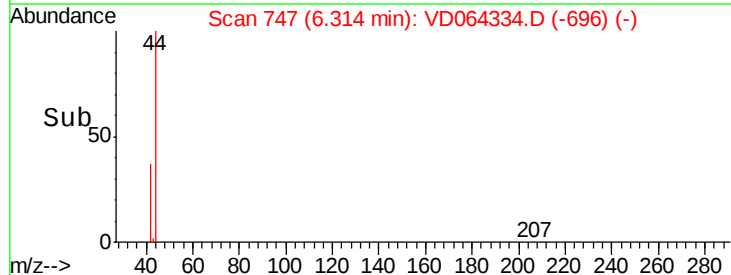
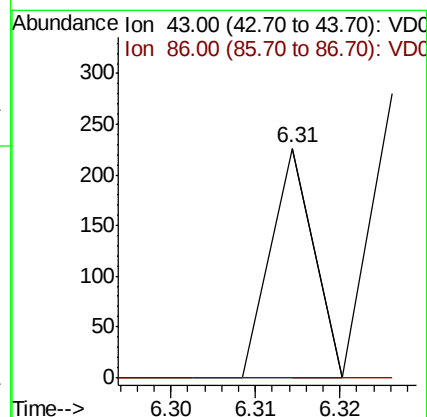
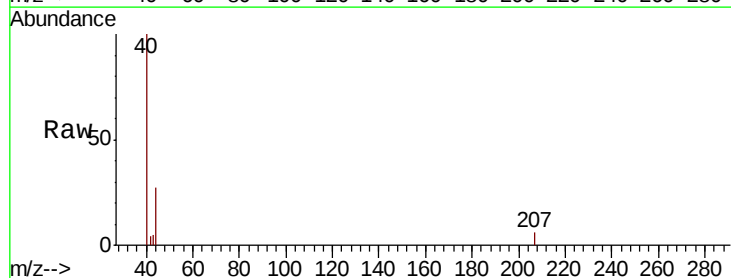
RT: 6.31 min Scan# 747

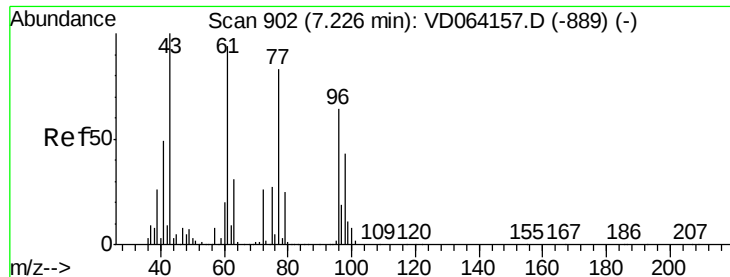
Delta R.T. -0.00 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Tgt Ion:	43	Resp:	80
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.2#





#25

2-Butanone

Concen: 102.495 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.02 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

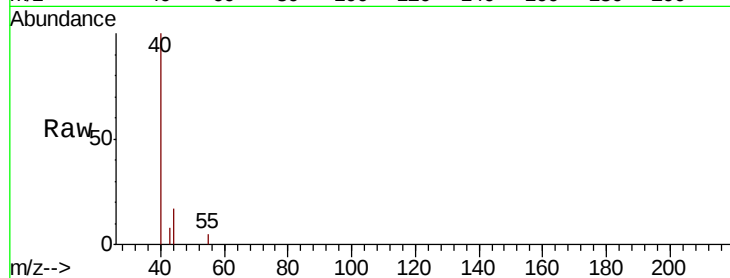
ClientSampled :

Tot Ion: 43 Resp: 129

Ion Ratio Lower Upper

43 100

72 0.0 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

400

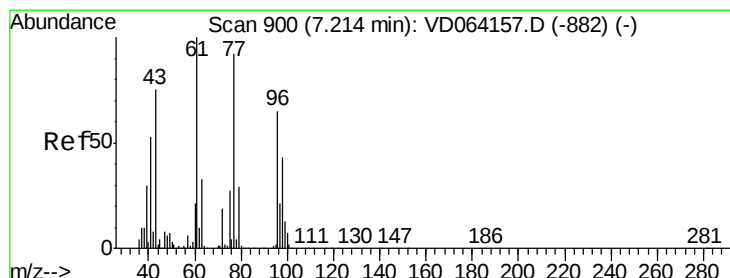
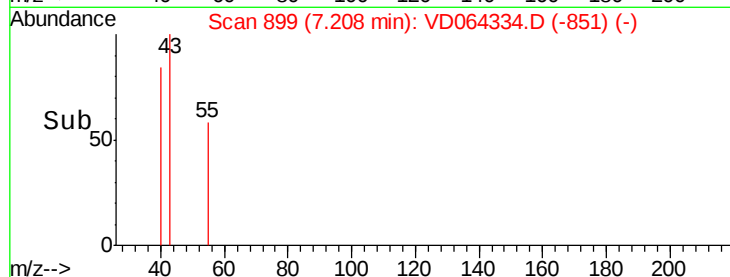
300

200

100

0

Time-->



#26

2,2-Dichloropropane

Concen: 9.684 ug/l

RT: 7.13 min Scan# 886

Delta R.T. -0.08 min

Lab File: VD064334.D

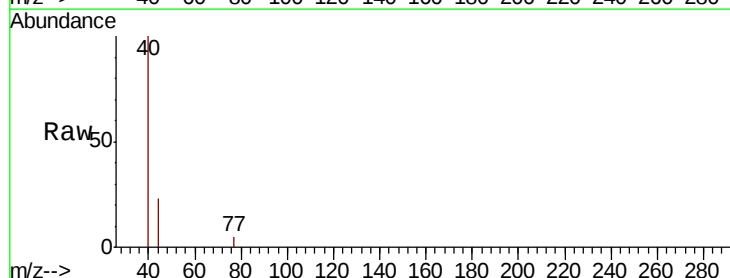
Acq: 21 Nov 2019 19:49

Tgt Ion: 77 Resp: 76

Ion Ratio Lower Upper

77 100

97 0.0 11.1 33.3#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

250

200

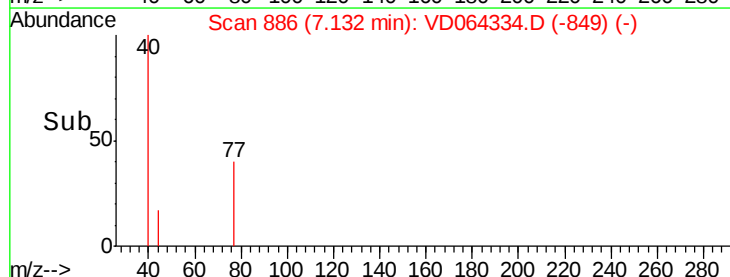
150

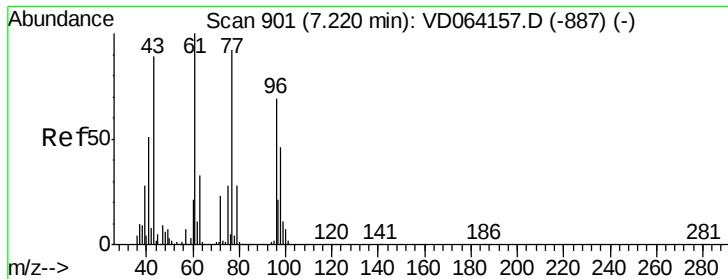
100

50

0

Time-->



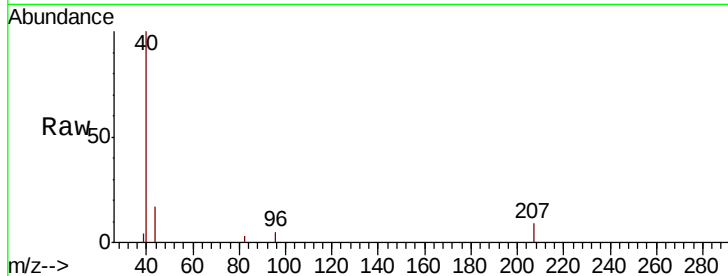


#27

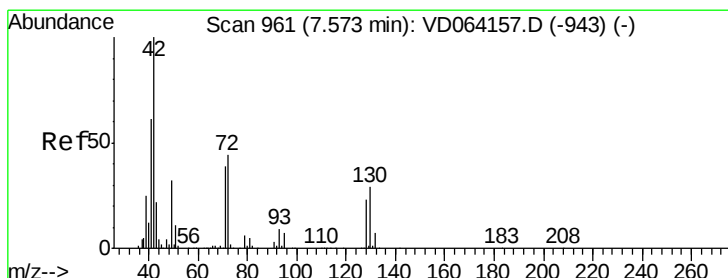
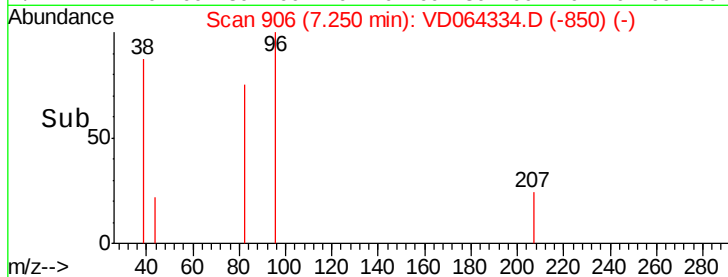
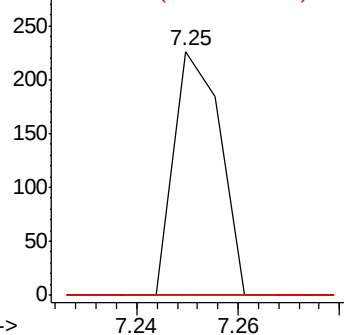
cis-1,2-Dichloroethene
 Concen: 28.406 ug/l
 RT: 7.25 min Scan# 906
 Delta R.T. 0.03 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	301.4
98	0.0	0.0	133.2



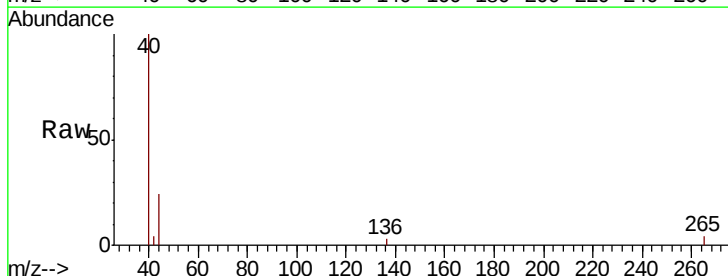
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



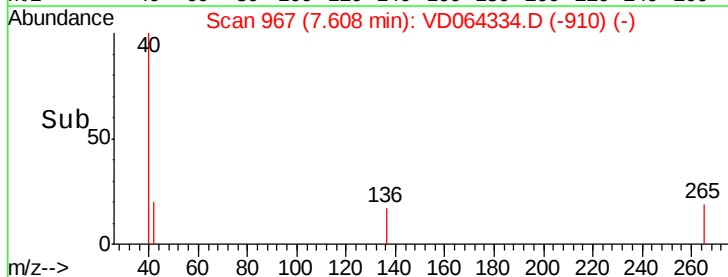
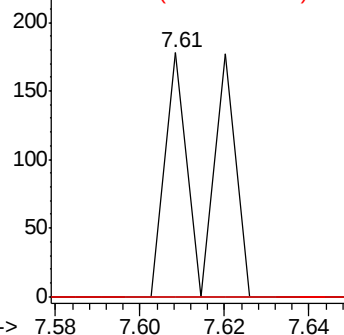
#29

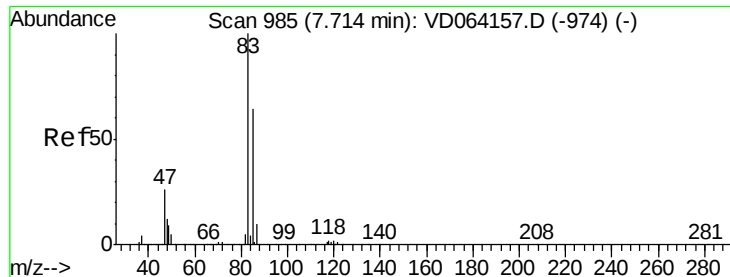
Tetrahydrofuran
 Concen: 165.303 ug/l
 RT: 7.61 min Scan# 967
 Delta R.T. 0.04 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.2#
71	0.0	31.0	46.4#



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





#30

Chloroform

Concen: 9.162 ug/l

RT: 7.63 min Scan# 970

Delta R.T. -0.09 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

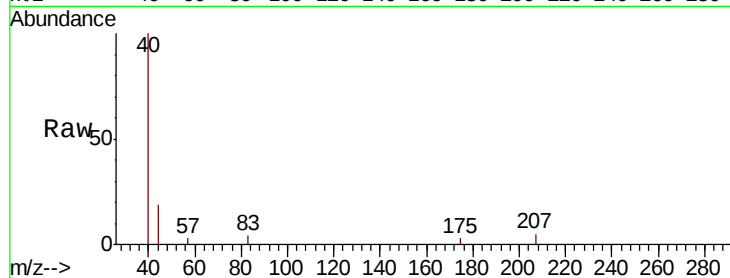
ClientSampleId :

Tot Ion: 83 Resp: 75

Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.0#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

7.63

200

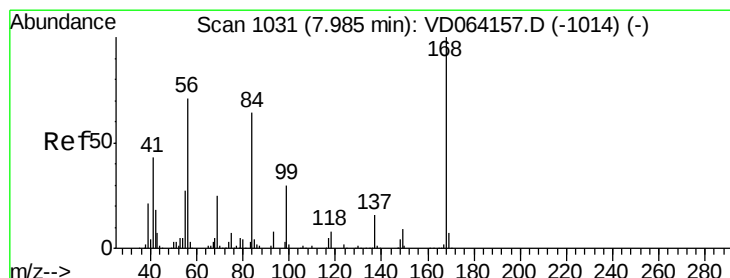
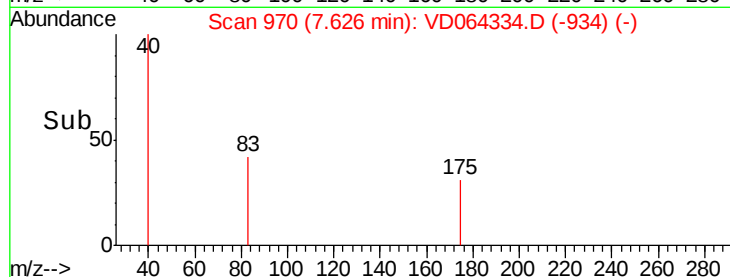
150

100

50

0

Time--> 7.61 7.62 7.63 7.64



#31

Cyclohexane

Concen: 22.302 ug/l

RT: 8.01 min Scan# 1036

Delta R.T. 0.03 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

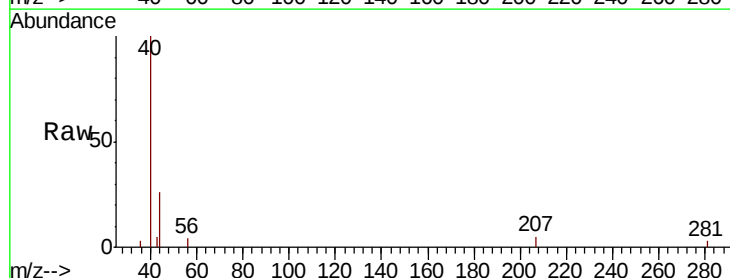
Tgt Ion: 56 Resp: 180

Ion Ratio Lower Upper

56 100

69 0.0 28.2 42.4#

84 0.0 71.8 107.6#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

8.01

200

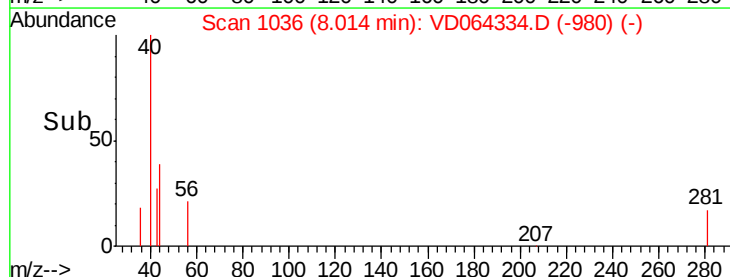
150

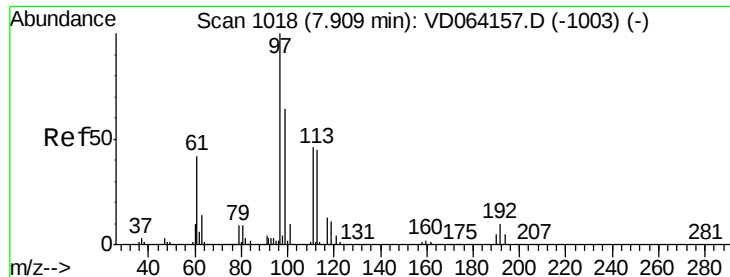
100

50

0

Time--> 7.98 8.00 8.02 8.04





#32

1,1,1-Trichloroethane

Concen: 7.272 ug/l

RT: 7.77 min Scan# 995

Delta R.T. -0.14 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

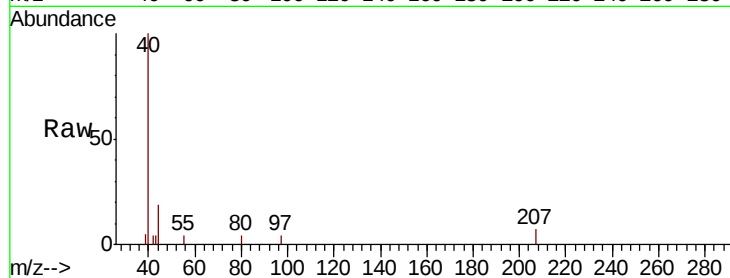
Tot Ion: 97 Resp: 57

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4#

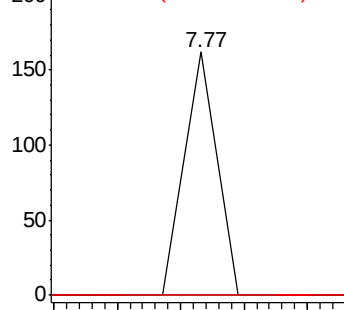
61 0.0 34.2 51.2#



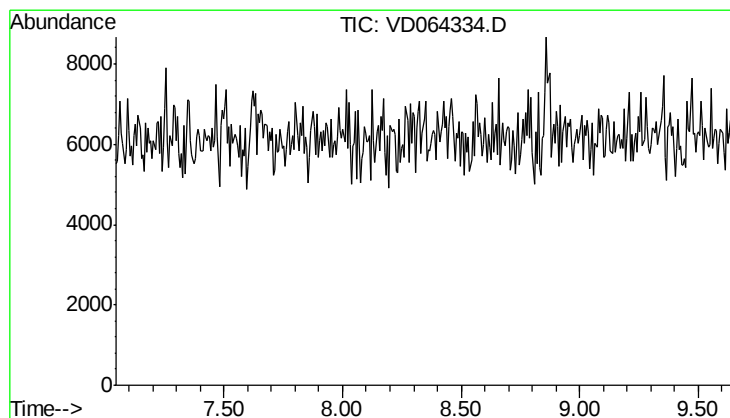
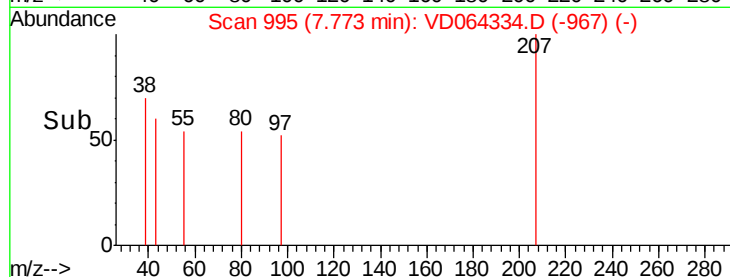
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC



Time--> 7.75 7.76 7.77 7.78 7.79



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.34 min

Lab File: VD064334.D

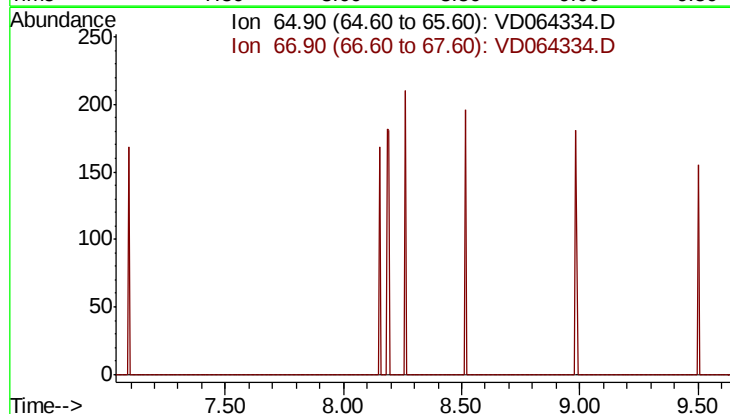
Acq: 21 Nov 2019 19:49

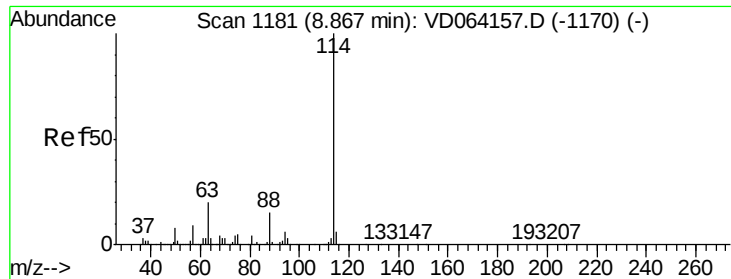
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.2

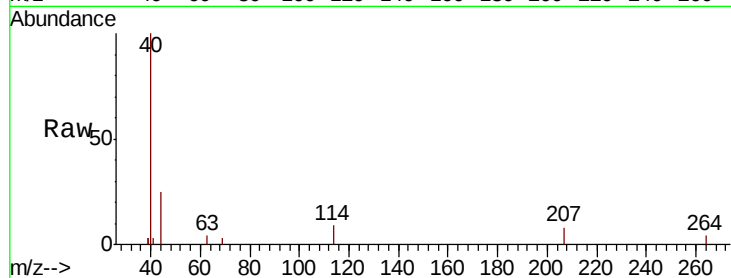




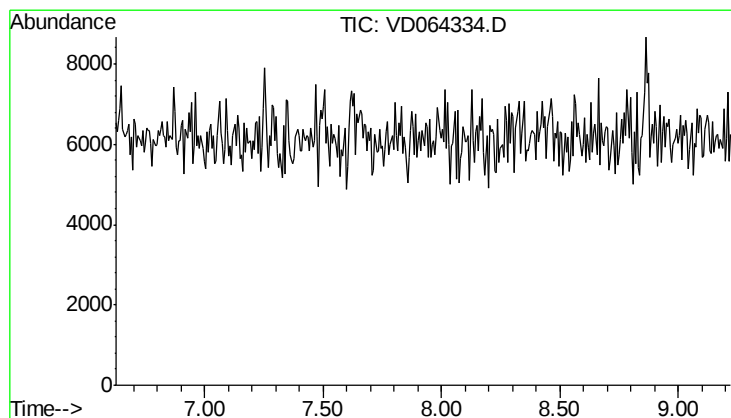
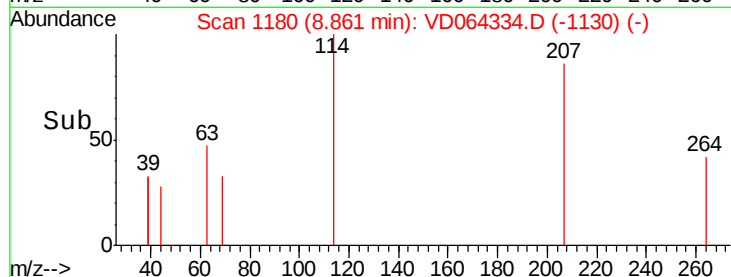
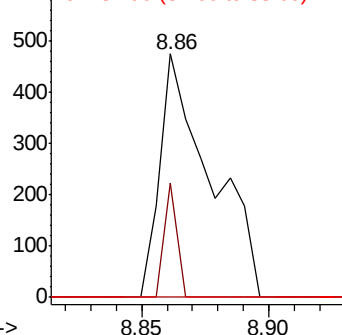
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 661
 Ion Ratio Lower Upper
 114 100
 63 46.8 0.0 40.0#
 88 0.0 0.0 30.2



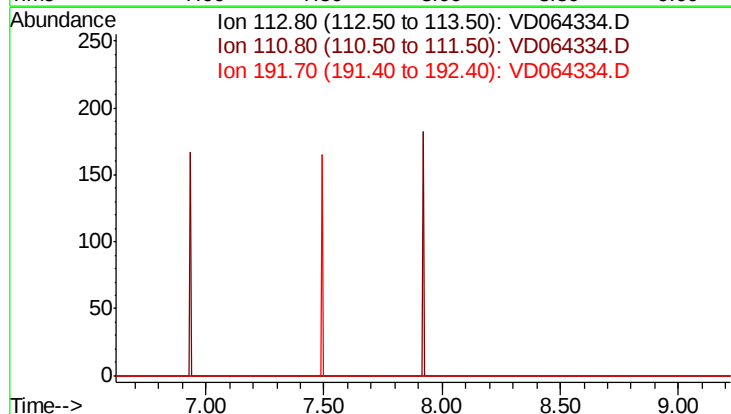
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

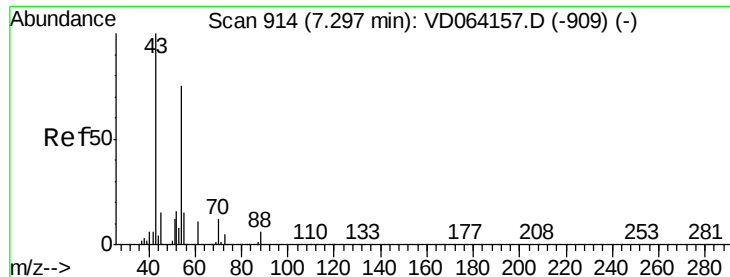


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.92 min

Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 101.9
 192 23.5

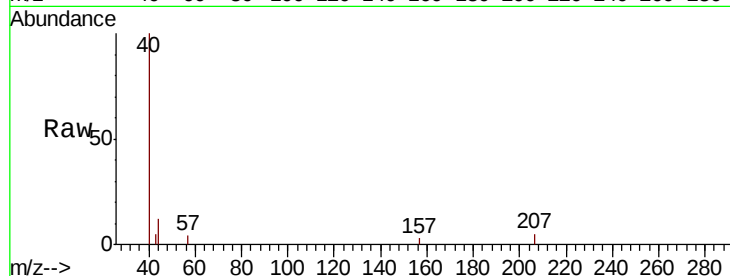




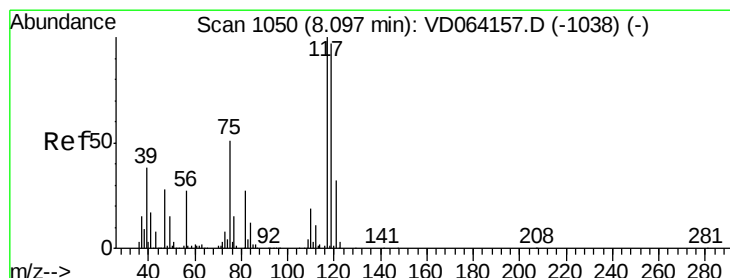
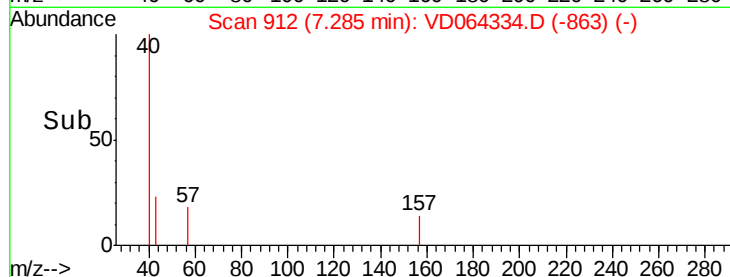
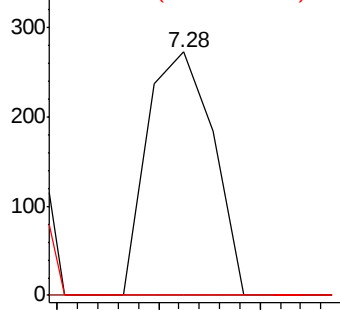
#37
Ethyl Acetate
Concen: 95.264 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 8.5 12.7#

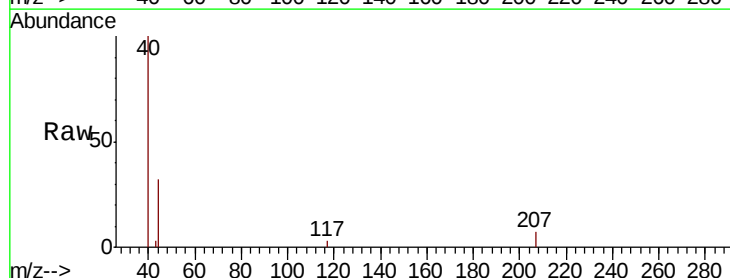


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

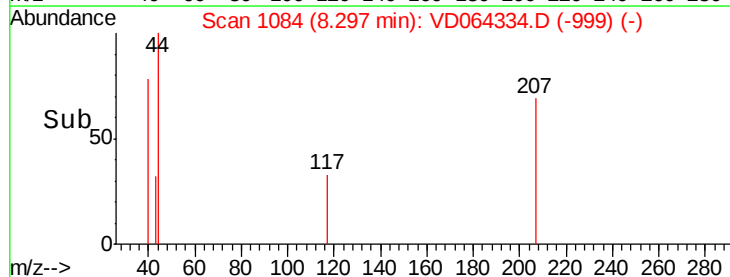
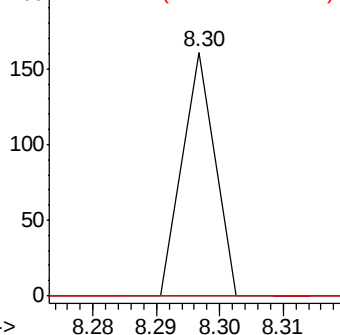


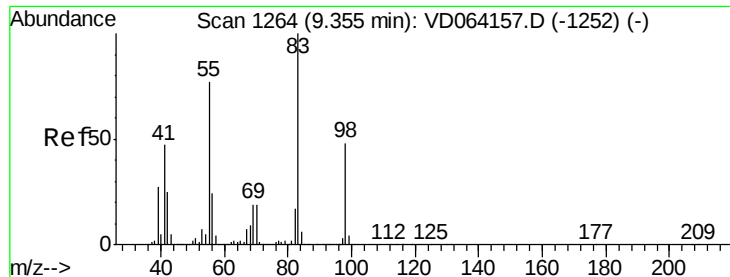
#38
Carbon Tetrachloride
Concen: 8.732 ug/l
RT: 8.30 min Scan# 1084
Delta R.T. 0.20 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Tgt Ion: 117 Resp: 57
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

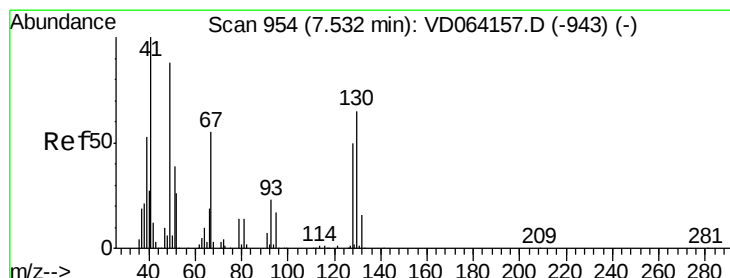
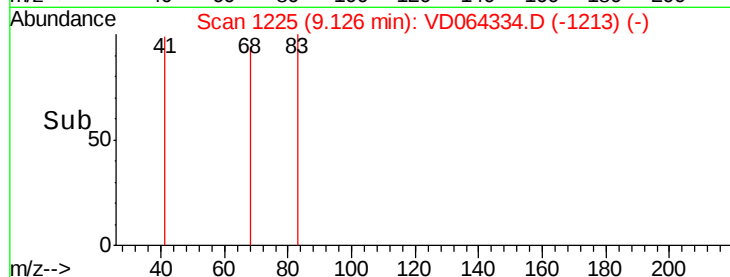
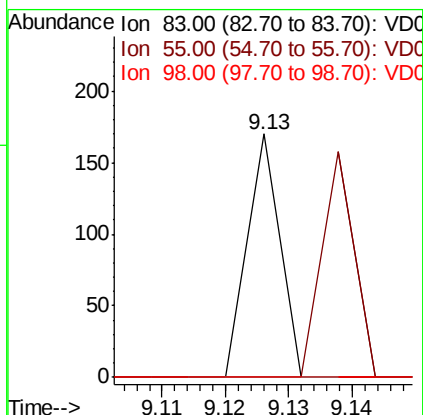
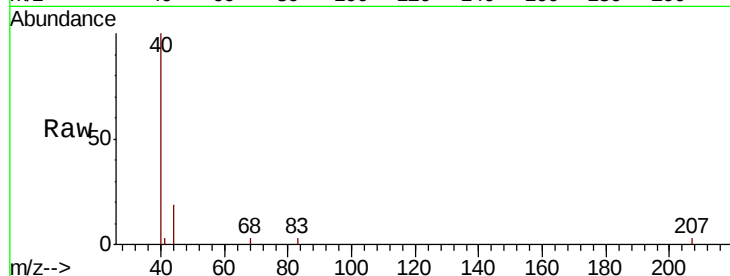




#39
Methylcyclohexane
Concen: 7.773 ug/l
RT: 9.13 min Scan# 1225
Delta R.T. -0.23 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

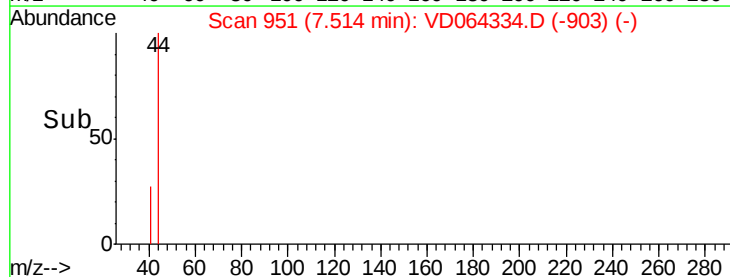
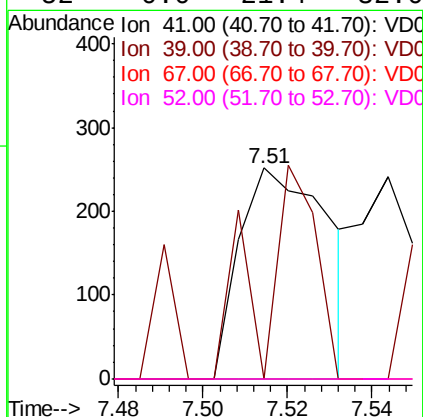
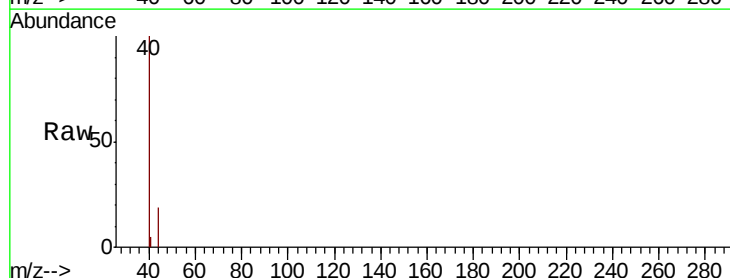
Instrument :
MSVOA_D
ClientSampleId :

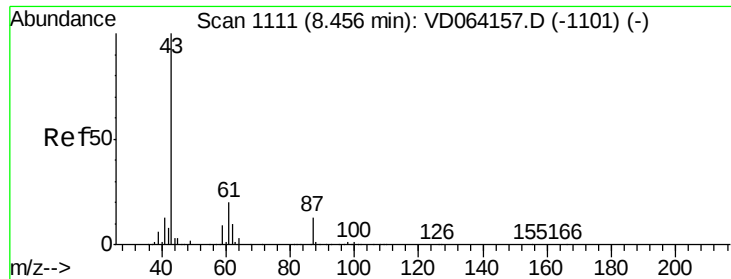
Tot Ion: 83 Resp: 60
Ion Ratio Lower Upper
83 100
55 0.0 61.7 92.5#
98 0.0 38.6 58.0#



#41
Methacrylonitrile
Concen: 227.043 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.02 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Tgt Ion: 41 Resp: 367
Ion Ratio Lower Upper
41 100
39 62.9 49.4 74.2
67 0.0 49.6 74.4#
52 0.0 21.4 32.0#





#43

Isopropyl Acetate

Concen: 21.136 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

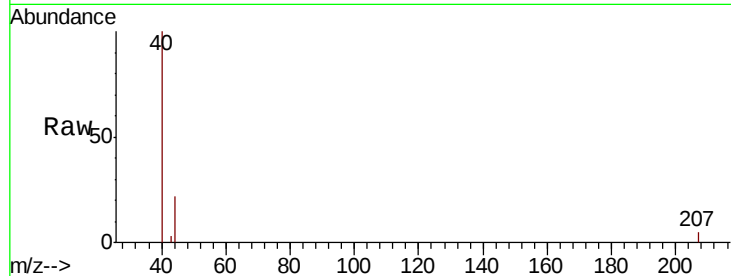
Tot Ion: 43 Resp: 112

Ion Ratio Lower Upper

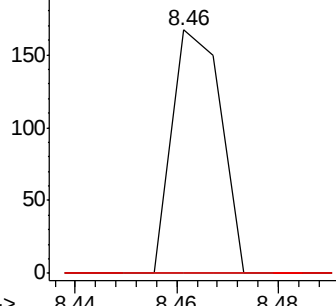
43 100

61 0.0 22.9 34.3#

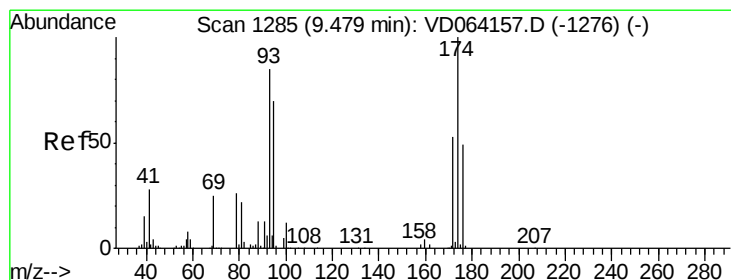
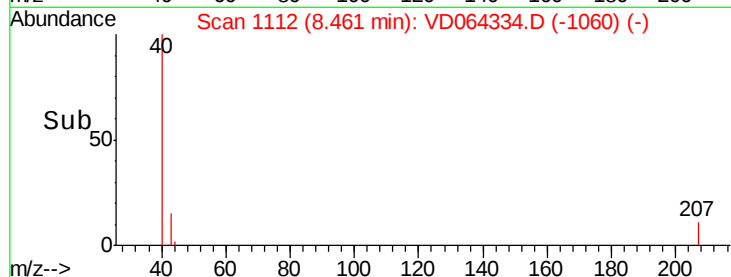
87 0.0 10.2 15.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



Time-->



#46

Dibromomethane

Concen: 25.776 ug/l

RT: 9.63 min Scan# 1310

Delta R.T. 0.15 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

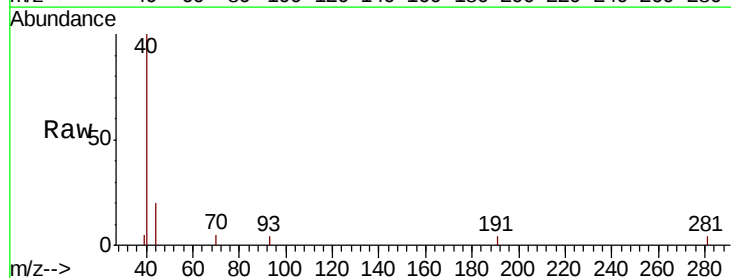
Tgt Ion: 93 Resp: 56

Ion Ratio Lower Upper

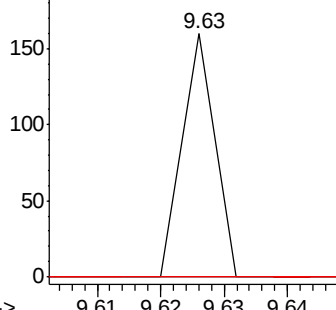
93 100

95 0.0 65.5 98.3#

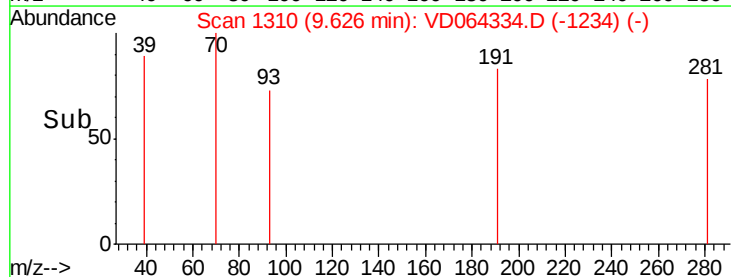
174 0.0 93.9 140.9#

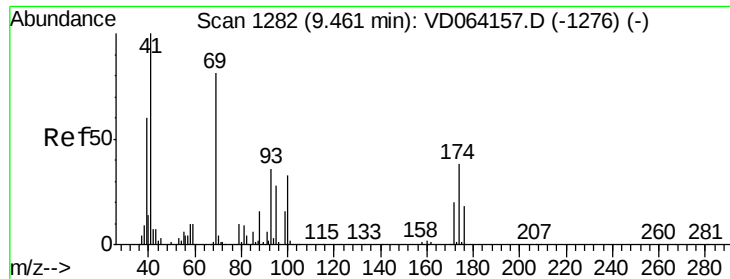


Abundance Ion 92.80 (92.50 to 93.50): VDC
Ion 94.80 (94.50 to 95.50): VDC
Ion 173.70 (173.40 to 174.40): V



Time-->

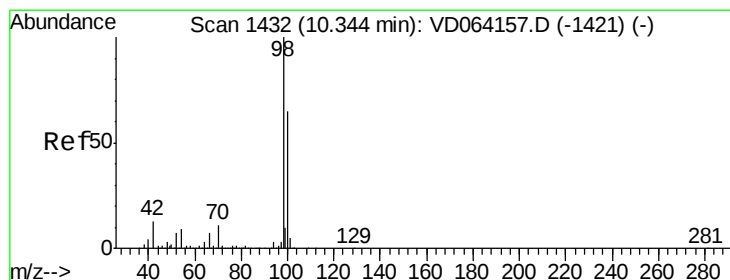
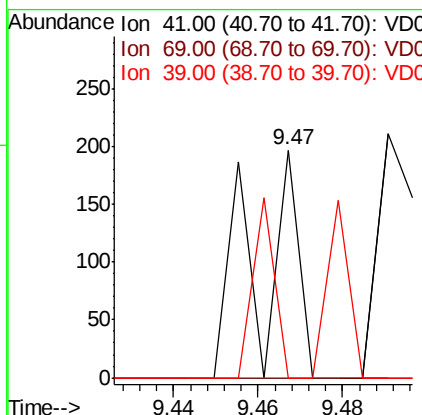
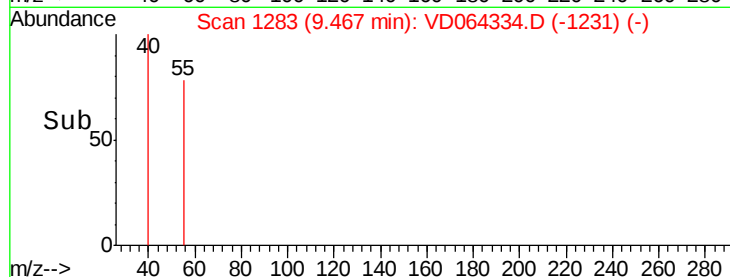
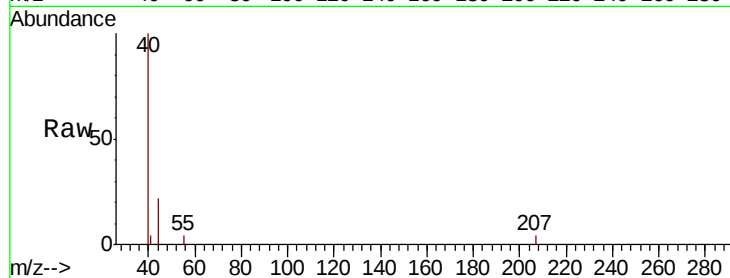




#48
Methyl methacrylate
Concen: 52.102 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

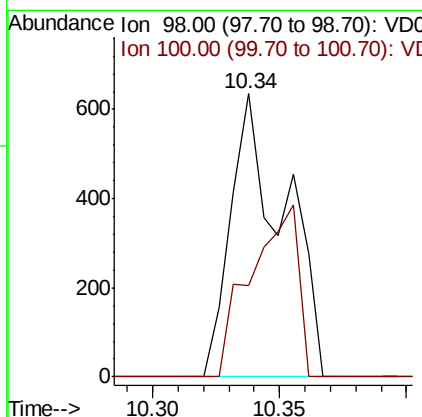
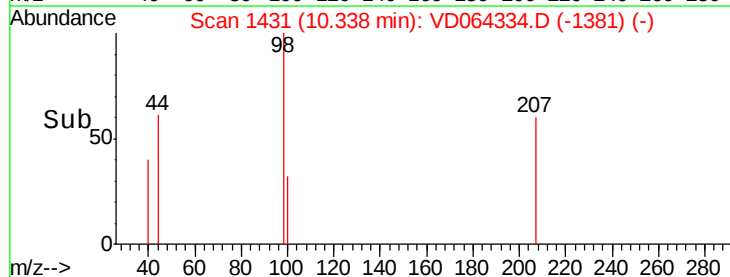
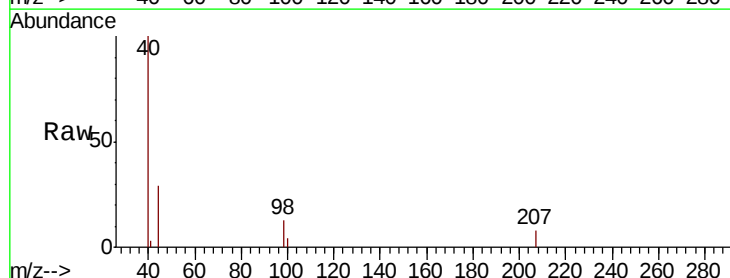
Instrument :
MSVOA_D
ClientSampled :

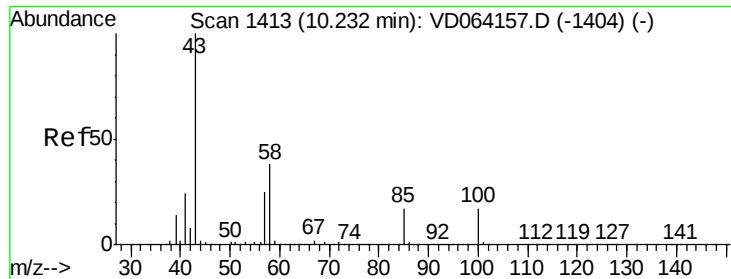
Tot Ion: 41 Resp: 135
Ion Ratio Lower Upper
41 100
69 0.0 64.6 97.0#
39 40.7 48.2 72.2#



#50
Toluene-d8
Concen: 64.415 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Tgt Ion: 98 Resp: 922
Ion Ratio Lower Upper
98 100
100 54.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 21.251 ug/l

RT: 10.20 min Scan# 1407

Delta R.T. -0.04 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

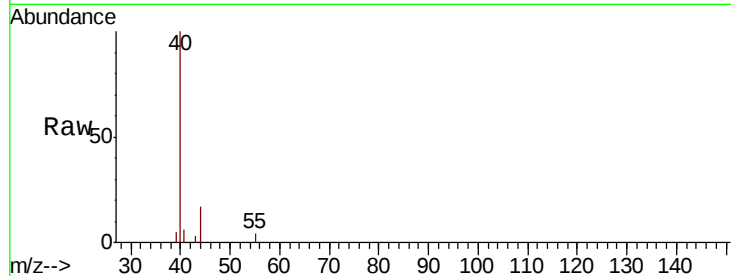
ClientSampleId :

Tot Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.20

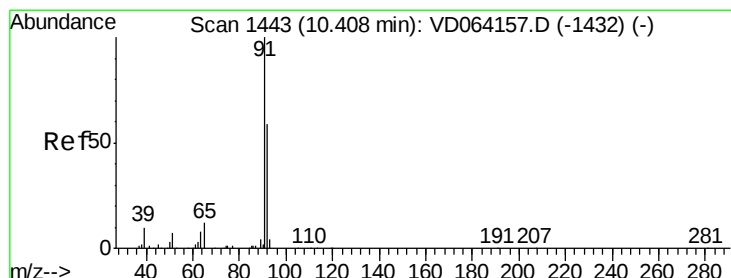
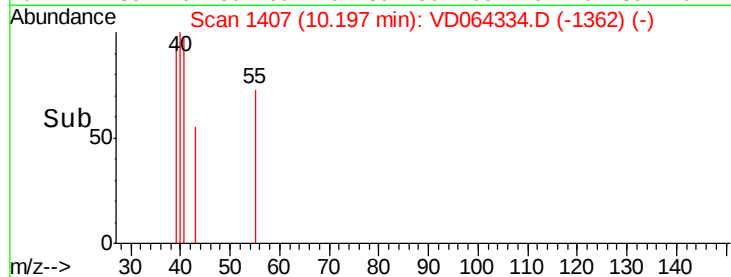
150

100

50

0

Time-->



#52

Toluene

Concen: 34.752 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064334.D

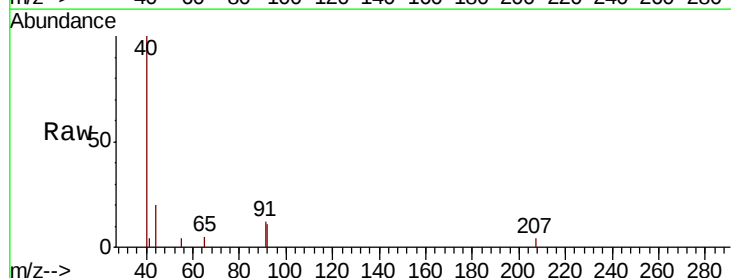
Acq: 21 Nov 2019 19:49

Tgt Ion: 92 Resp: 381

Ion Ratio Lower Upper

92 100

91 307.6 136.4 204.6#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

800

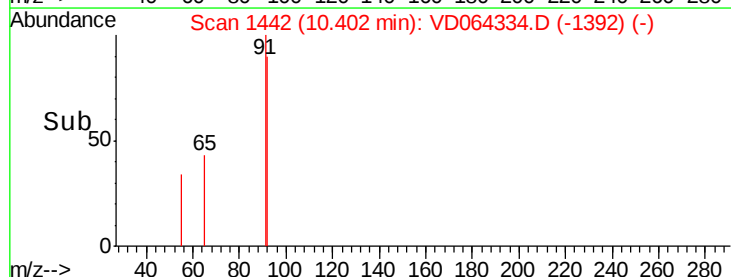
600

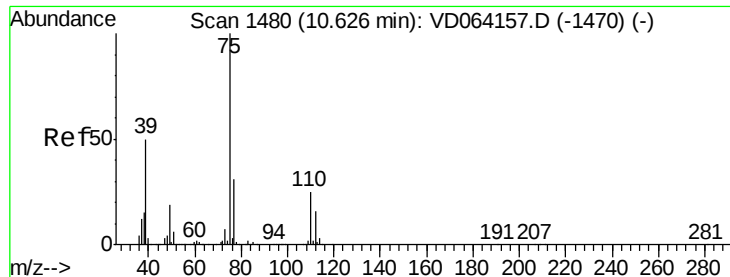
400

200

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 9.552 ug/l

RT: 10.37 min Scan# 1436

Delta R.T. -0.26 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

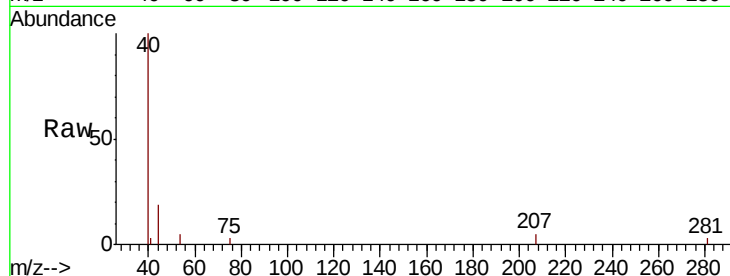
ClientSampleId :

Tot Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.37

150

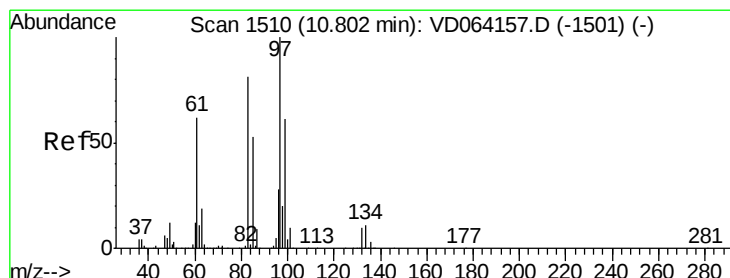
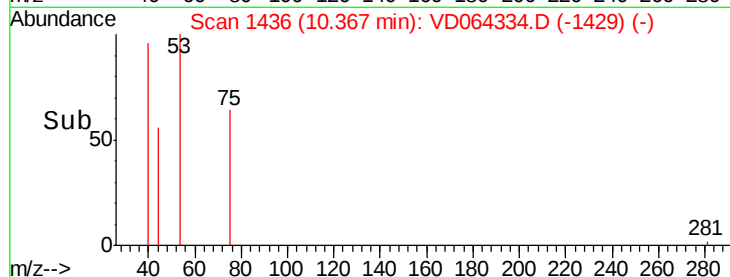
100

50

0

10.36 10.38

Time-->



#55

1,1,2-Trichloroethane

Concen: 41.735 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.14 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Tgt Ion: 97 Resp: 123

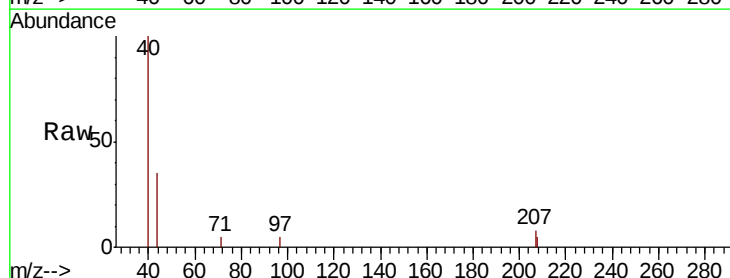
Ion Ratio Lower Upper

97 100

83 0.0 65.1 97.7#

85 0.0 42.0 63.0#

99 0.0 48.9 73.3#



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

250

200

150

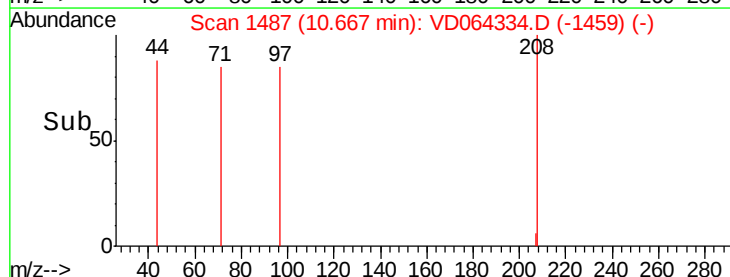
100

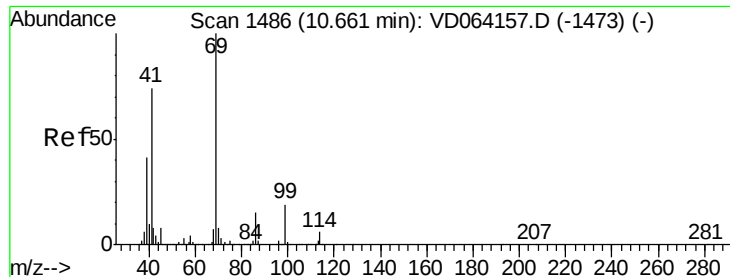
50

0

10.66 10.68

Time-->





#56

Ethyl methacrylate

Concen: 22.073 ug/l

RT: 10.51 min Scan# 1461

Delta R.T. -0.15 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

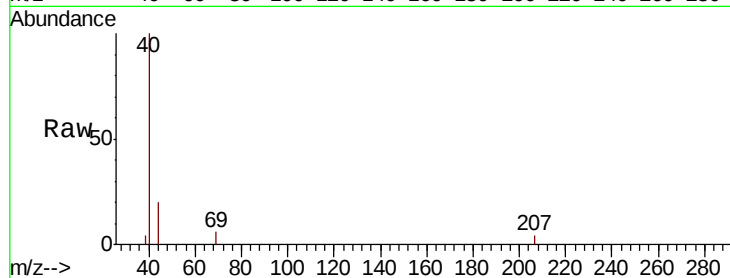
Tot Ion: 69 Resp: 91

Ion Ratio Lower Upper

69 100

41 0.0 57.9 86.9#

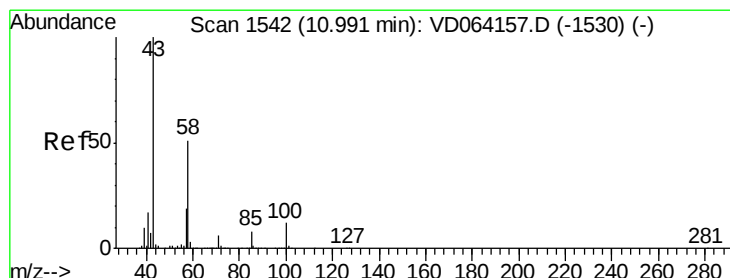
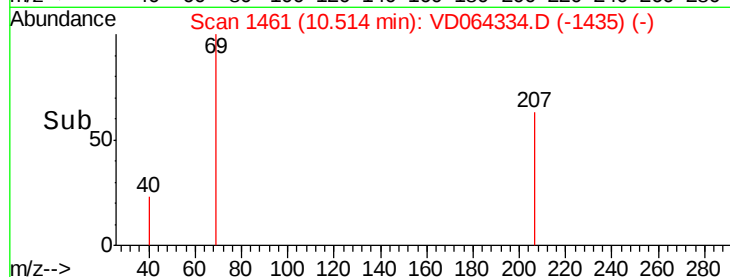
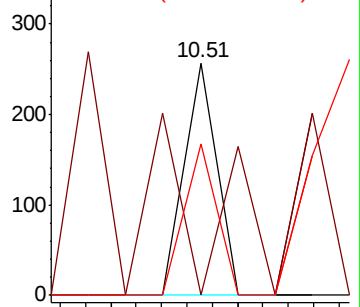
39 64.8 29.0 43.4#



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



#59

2-Hexanone

Concen: 76.334 ug/l

RT: 11.01 min Scan# 1546

Delta R.T. 0.02 min

Lab File: VD064334.D

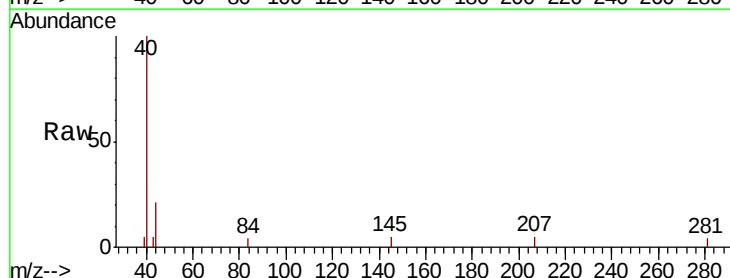
Acq: 21 Nov 2019 19:49

Tgt Ion: 43 Resp: 138

Ion Ratio Lower Upper

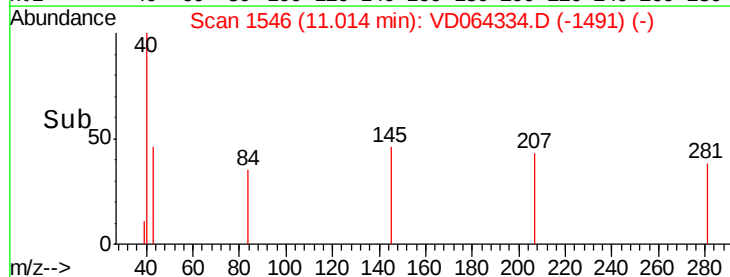
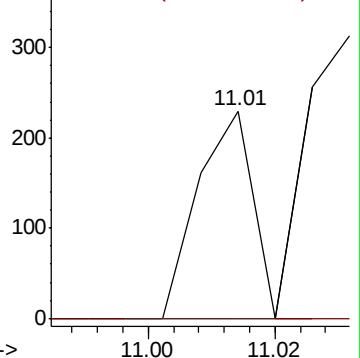
43 100

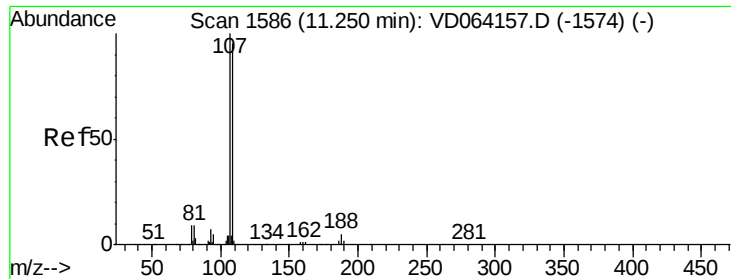
58 0.0 25.9 77.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

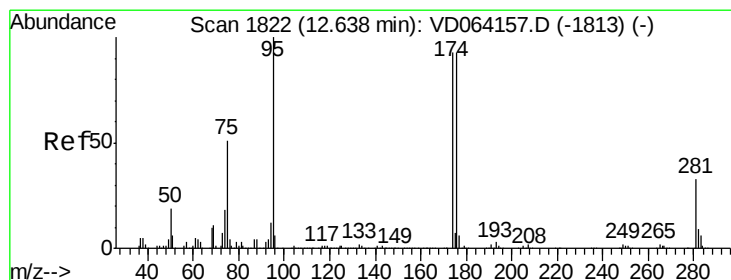
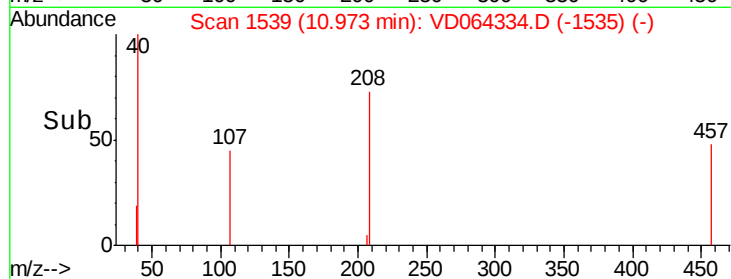
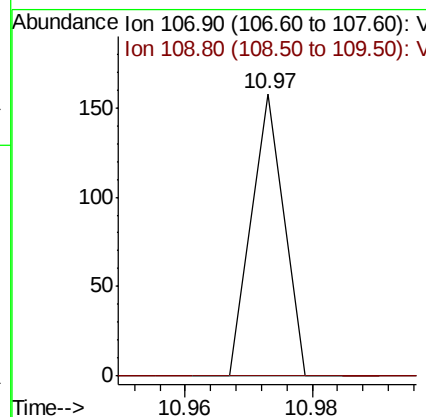
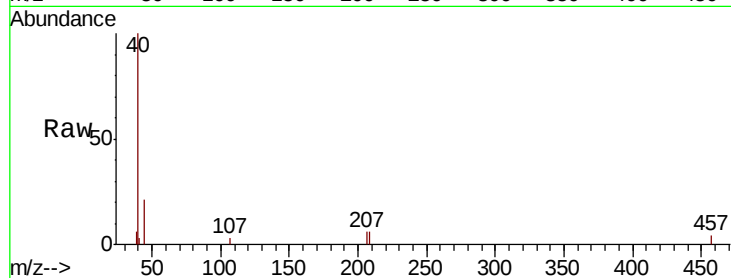




#61
 1,2-Dibromoethane
 Concen: 18.971 ug/l
 RT: 10.97 min Scan# 1539
 Delta R.T. -0.28 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

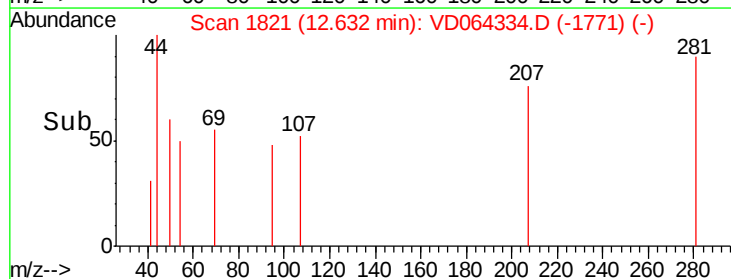
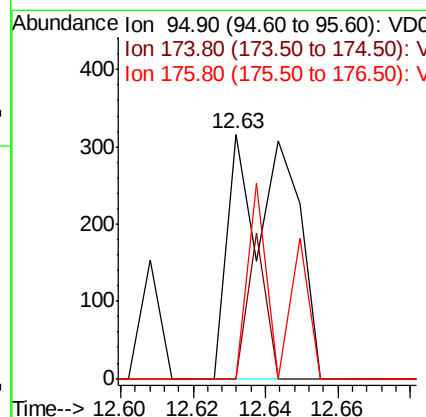
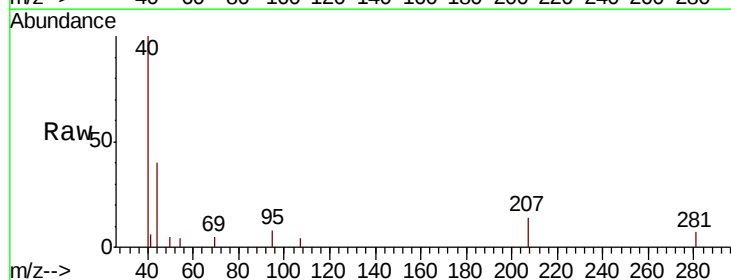
Instrument :
 MSVOA_D
 ClientSampleId :

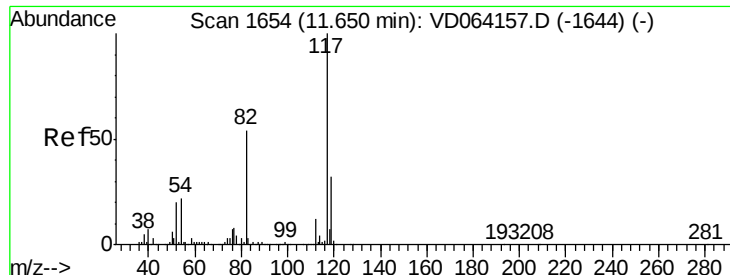
Tot Ion: 107 Resp: 56
 Ion Ratio Lower Upper
 107 100
 109 0.0 75.1 112.7#



#62
 4-Bromofluorobenzene
 Concen: 71.416 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

Tgt Ion: 95 Resp: 354
 Ion Ratio Lower Upper
 95 100
 174 18.6 0.0 183.6
 176 43.2 0.0 180.2

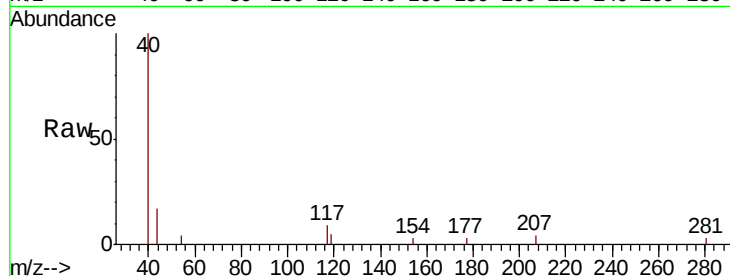




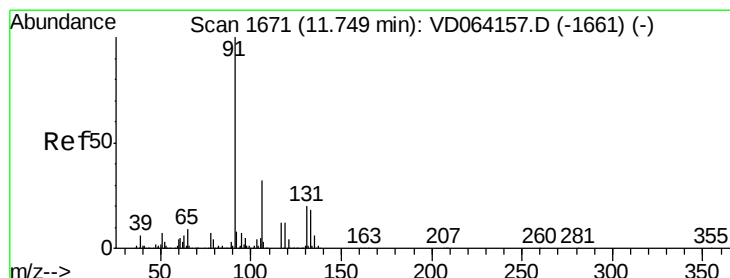
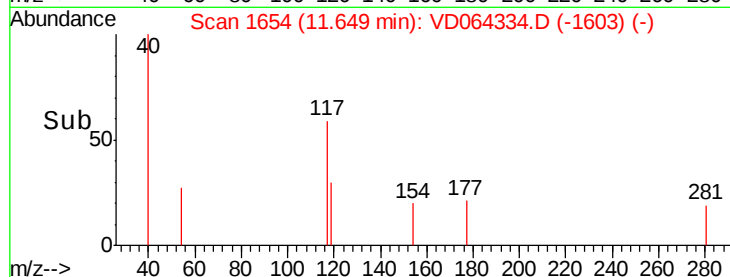
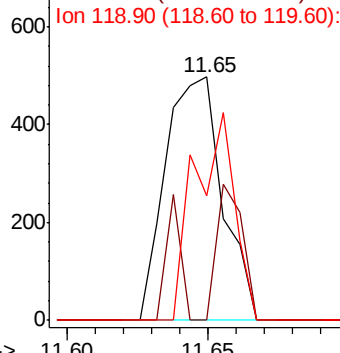
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 697
Ion Ratio Lower Upper
117 100
82 0.0 42.8 64.2#
119 51.2 25.6 38.4#

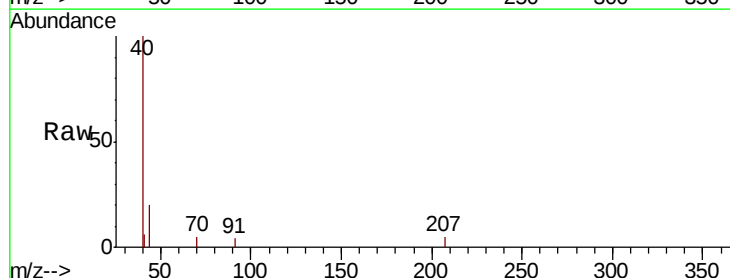


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VDC
Ion 118.90 (118.60 to 119.60): V

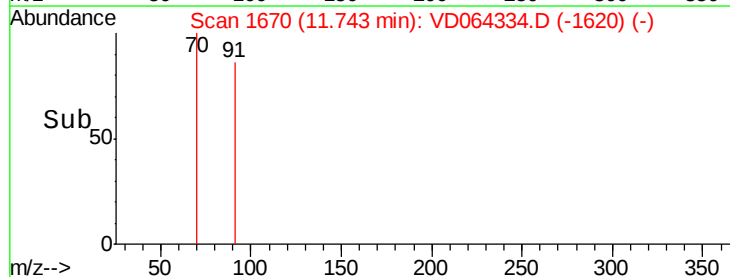
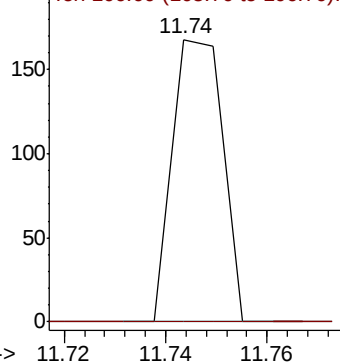


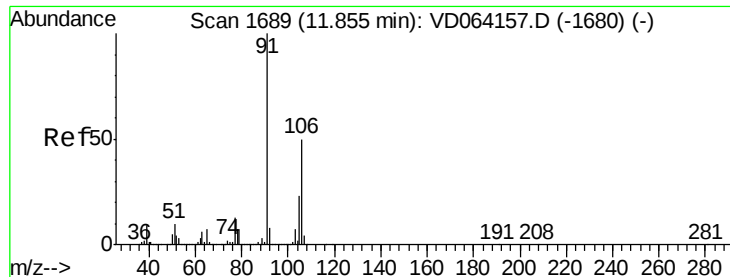
#67
Ethyl Benzene
Concen: 4.564 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Tgt Ion: 91 Resp: 117
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V

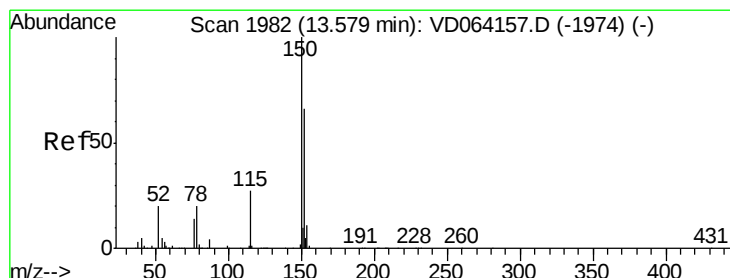
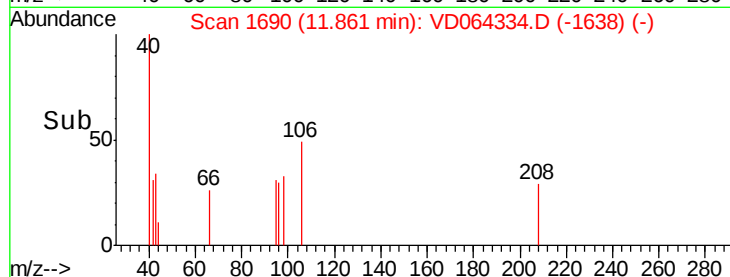
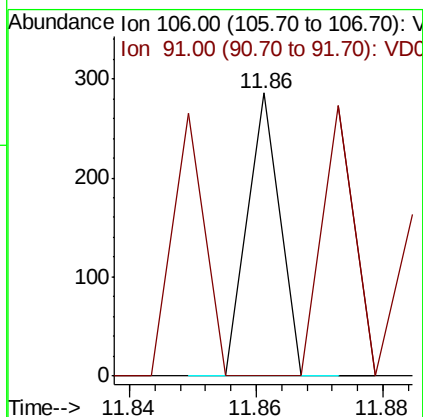
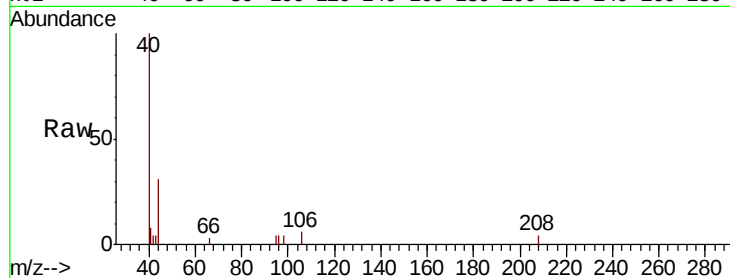




#68
m/p-Xvlenes
Concen: 10.278 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

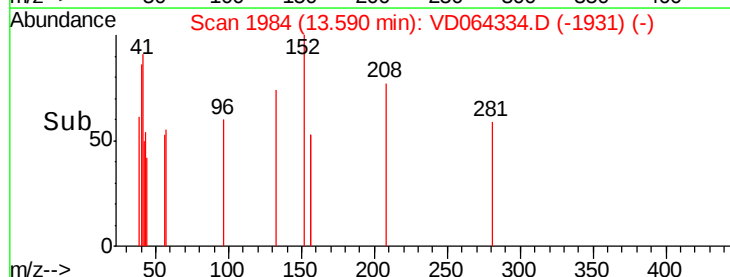
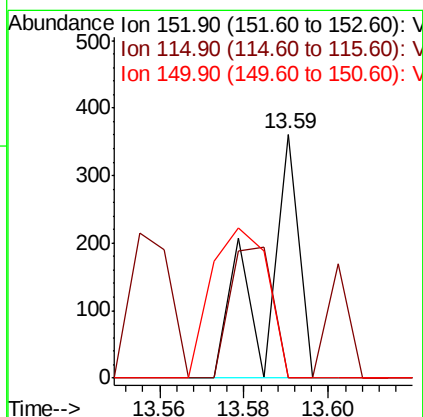
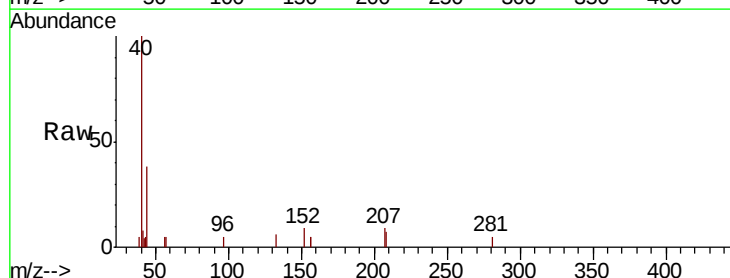
Instrument :
MSVOA_D
ClientSampleId :

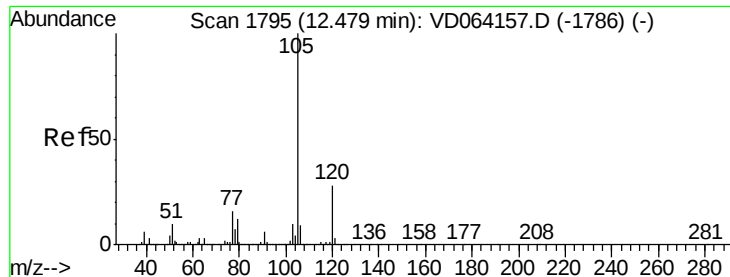
Tot Ion:106 Resp: 101
Ion Ratio Lower Upper
106 100
91 152.5 160.3 240.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Tgt Ion:152 Resp: 201
Ion Ratio Lower Upper
152 100
115 67.2 27.4 82.2
150 103.0 0.0 351.6





#73

Isopropylbenzene

Concen: 4.067 ug/l

RT: 12.50 min Scan# 1798

Delta R.T. 0.02 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

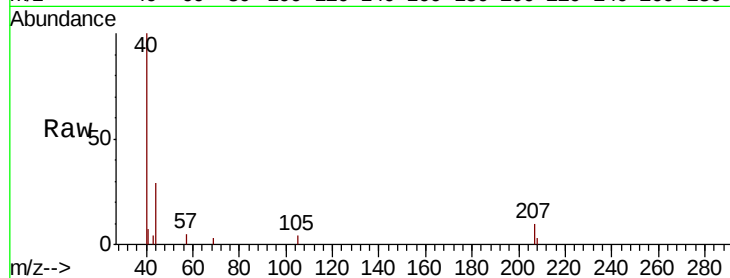
ClientSampleId :

Tot Ion:105 Resp: 60

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.50

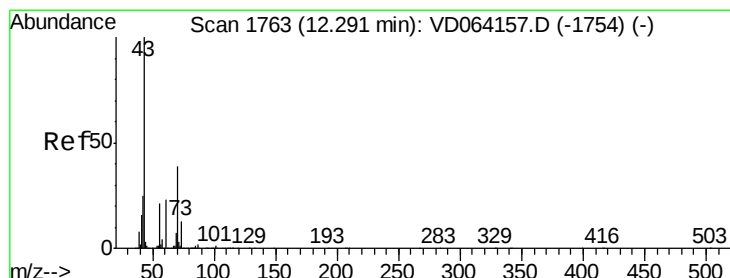
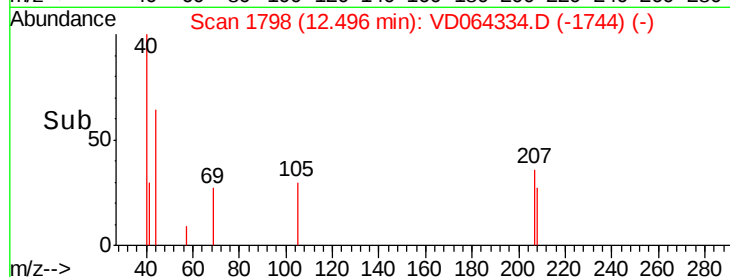
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: 105.627 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Tgt Ion: 43 Resp: 368

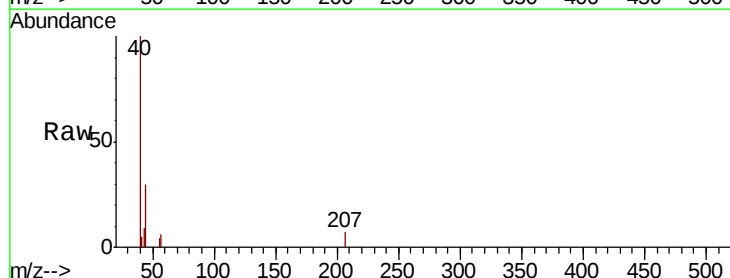
Ion Ratio Lower Upper

43 100

70 0.0 32.4 48.6#

55 18.5 17.9 26.9

61 0.0 19.0 28.4#



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

12.28

400

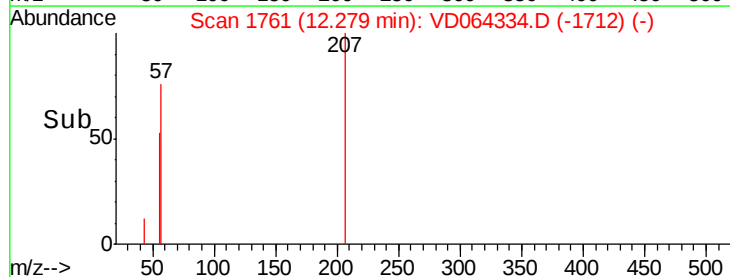
300

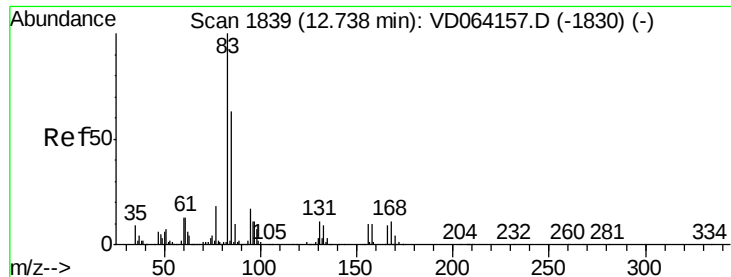
200

100

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 26.990 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.02 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

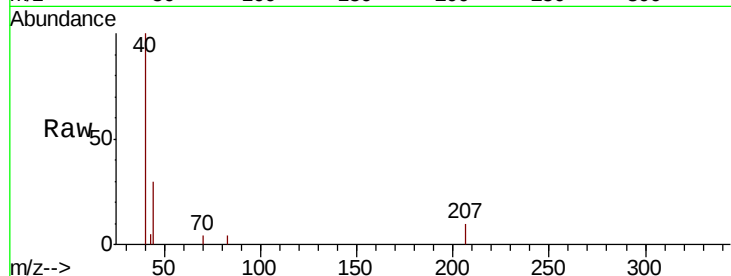
Tot Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

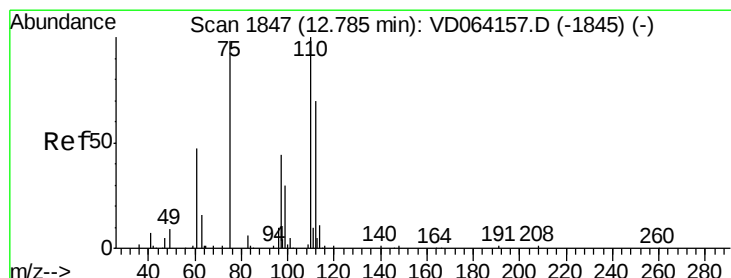
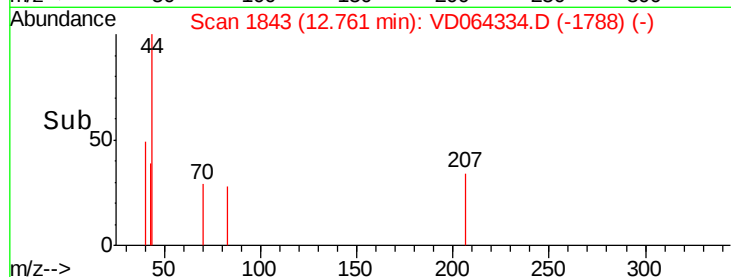
85 0.0 32.5 97.5#



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

12.76

Time--> 12.74 12.76 12.78



#76

1,2,3-Trichloropropane

Concen: 51.266 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.14 min

Lab File: VD064334.D

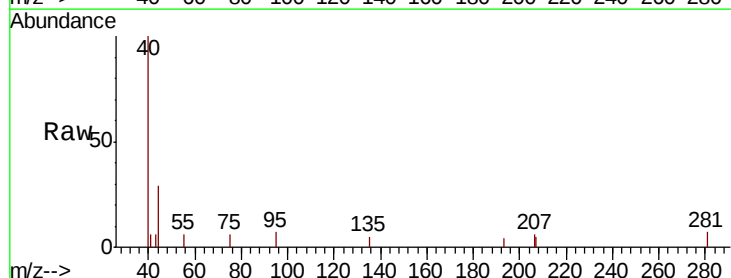
Acq: 21 Nov 2019 19:49

Tgt Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

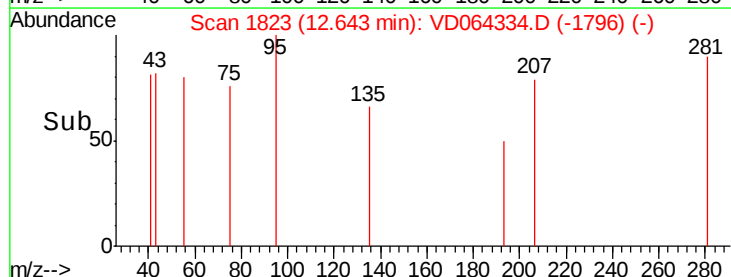
77 0.0 0.0 0.0

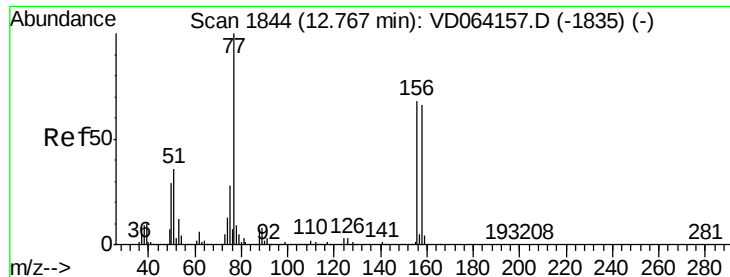


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC

12.64

Time--> 12.62 12.64 12.66





#77

Bromobenzene

Concen: 41.850 ug/l

RT: 12.59 min Scan# 1814

Delta R.T. -0.18 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

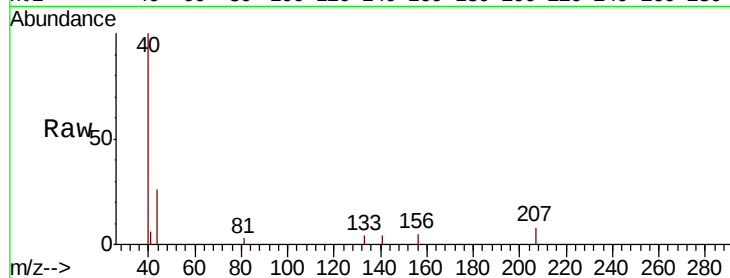
Tot Ion:156 Resp: 150

Ion Ratio Lower Upper

156 100

77 0.0 81.2 243.4#

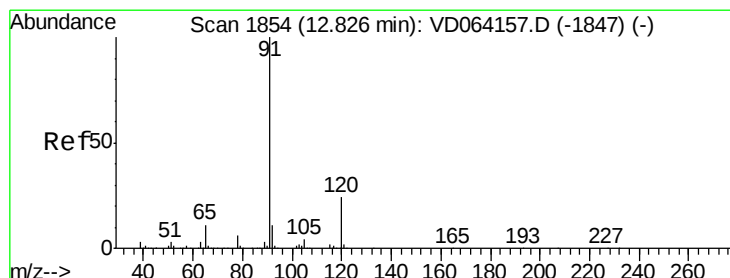
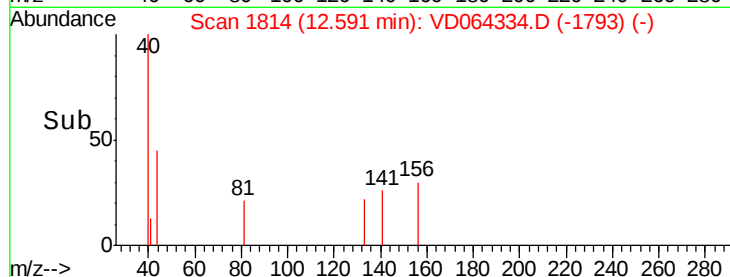
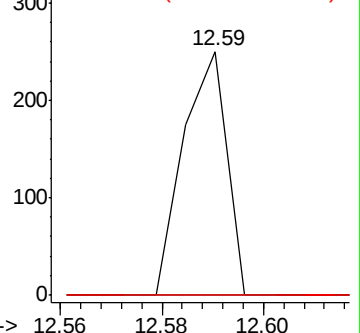
158 0.0 48.4 145.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 25.926 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD064334.D

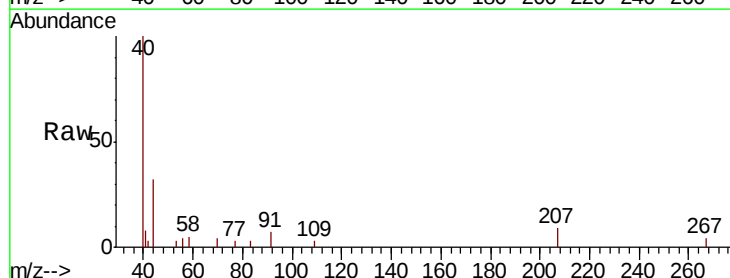
Acq: 21 Nov 2019 19:49

Tgt Ion: 91 Resp: 437

Ion Ratio Lower Upper

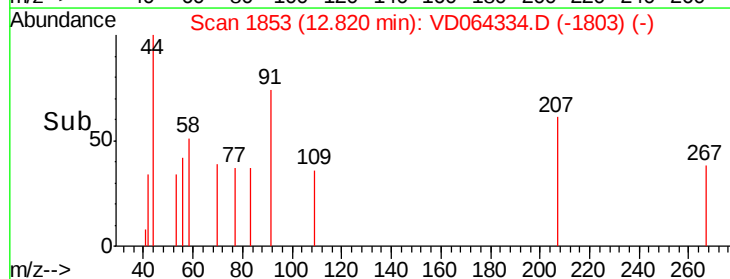
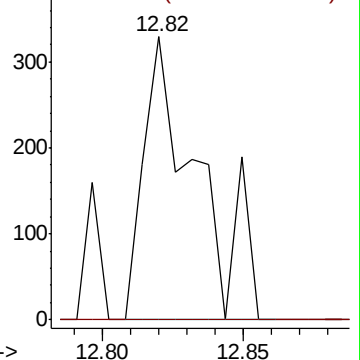
91 100

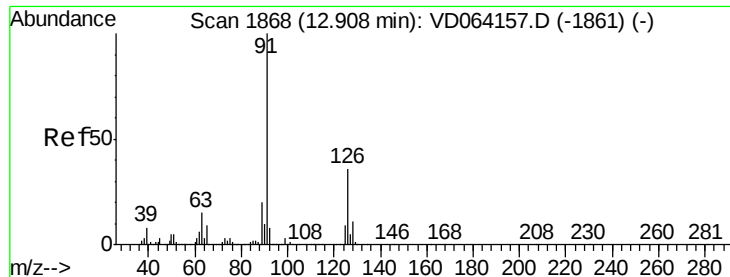
120 0.0 11.8 35.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

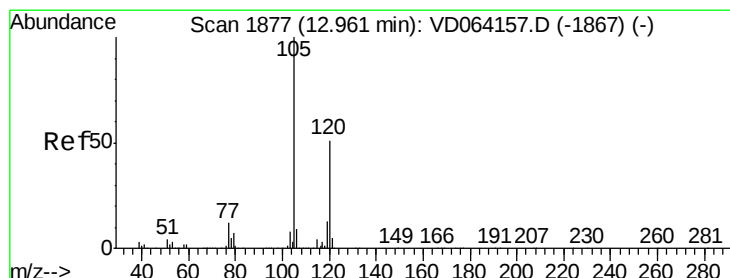
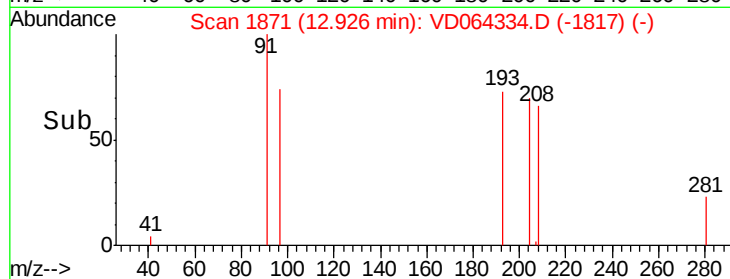
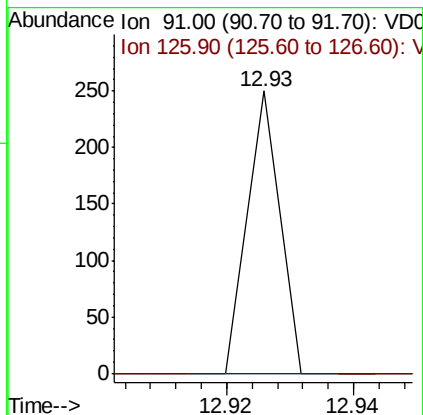
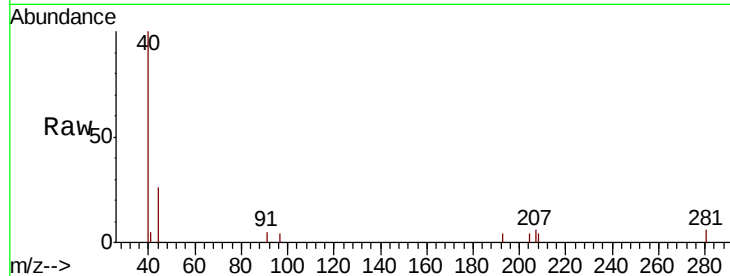




#79
 2-Chlorotoluene
 Concen: 9.247 ug/l
 RT: 12.93 min Scan# 1871
 Delta R.T. 0.02 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

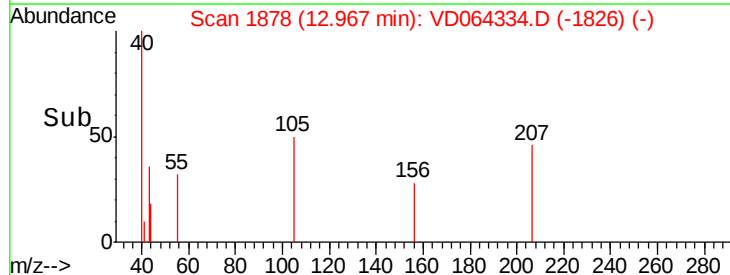
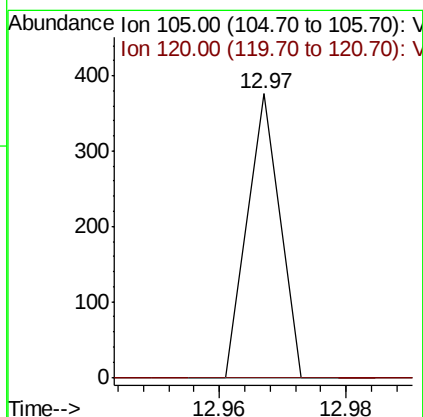
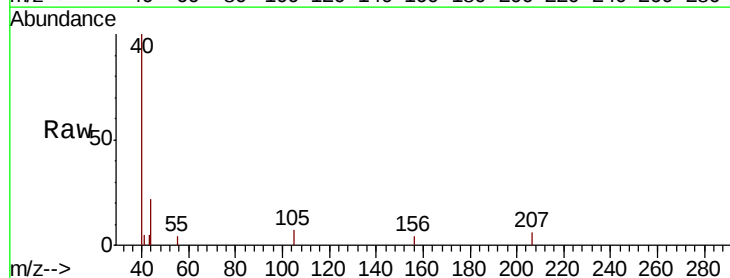
Instrument :
 MSVOA_D
 ClientSampleId :

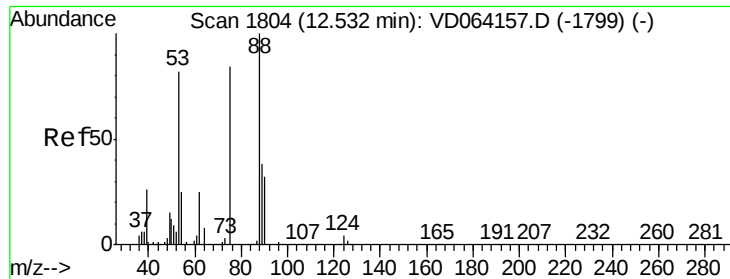
Tot Ion: 91 Resp: 88
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.7 53.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 10.971 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

Tgt Ion: 105 Resp: 133
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.4 76.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 101.835 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

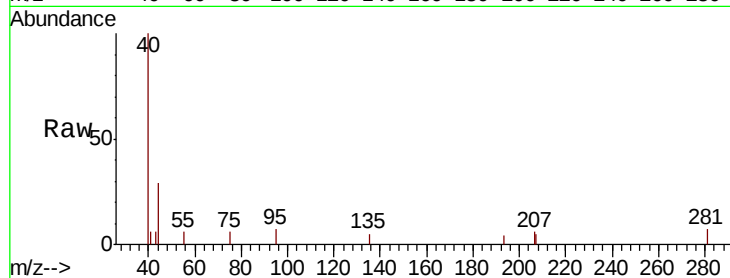
Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

53 77.1 79.4 119.0#

89 0.0 36.6 55.0#

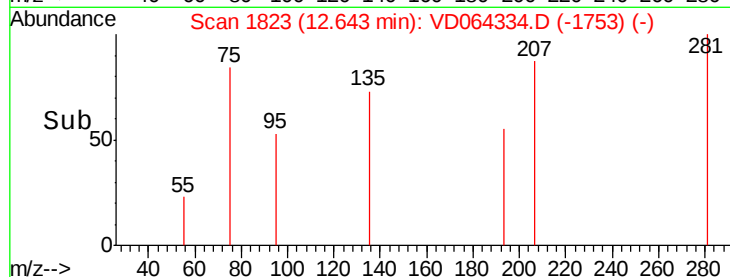


Abundance Ion 74.90 (74.60 to 75.60): VDC

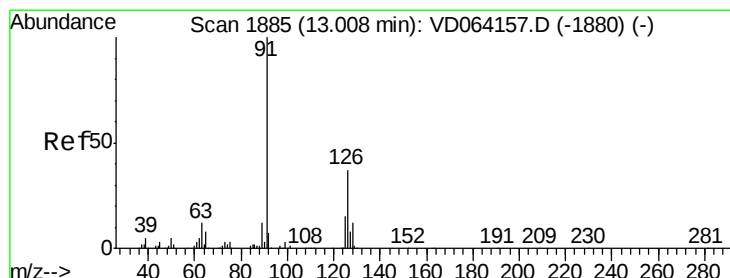
Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.64



Time--> 12.62 12.64 12.66



#82

4-Chlorotoluene

Concen: 6.246 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD064334.D

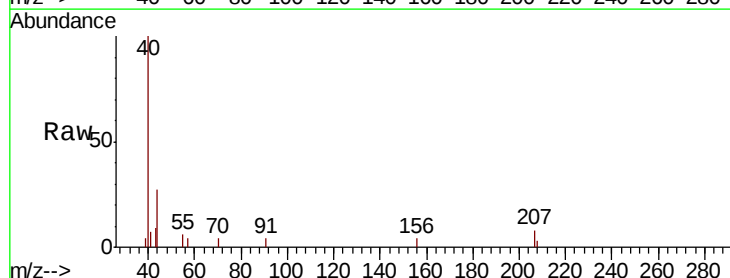
Acq: 21 Nov 2019 19:49

Tgt Ion: 91 Resp: 62

Ion Ratio Lower Upper

91 100

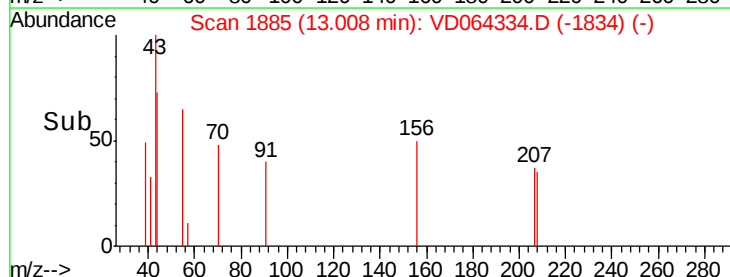
126 0.0 17.8 53.4#



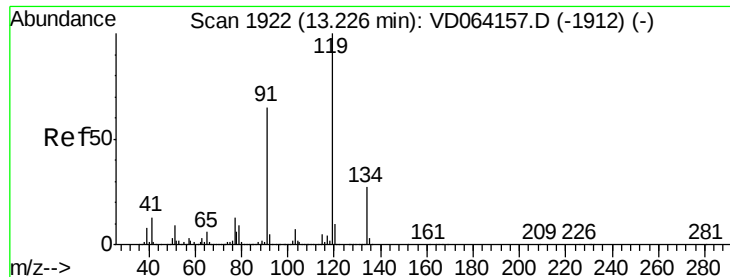
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

13.01



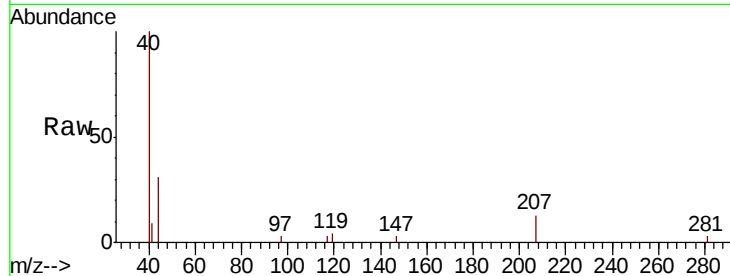
Time--> 13.00 13.02



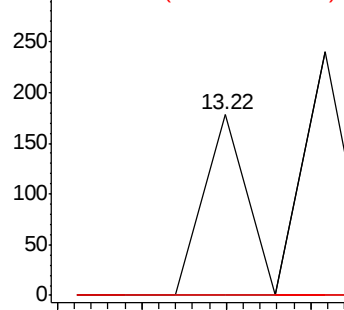
#83
tert-Butylbenzene
Concen: 5.894 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Instrument :
MSVOA_D
ClientSampleId :

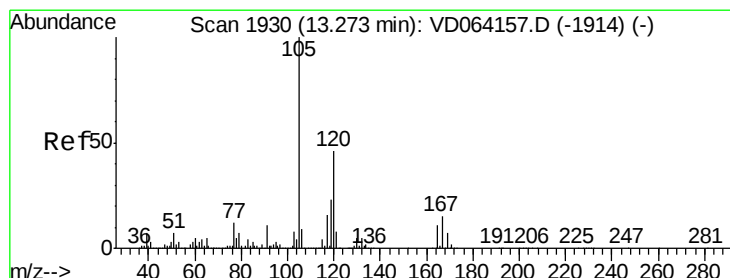
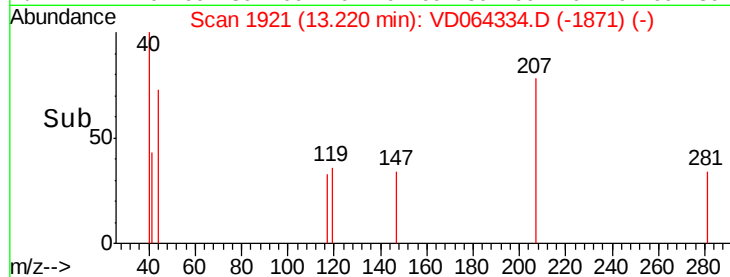
Tot Ion:119 Resp: 63
Ion Ratio Lower Upper
119 100
91 0.0 31.8 95.4#
134 0.0 13.7 41.0#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

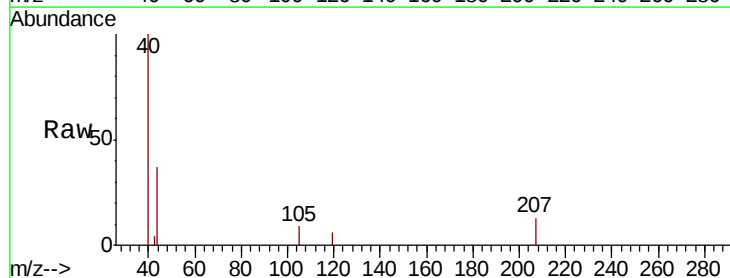


Time--> 13.20 13.21 13.22 13.23

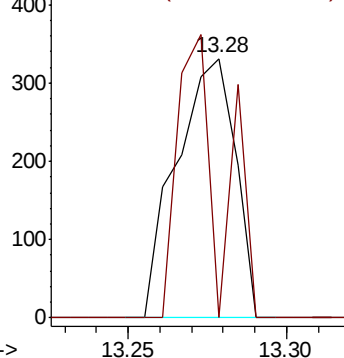


#84
1,2,4-Trimethylbenzene
Concen: 35.677 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

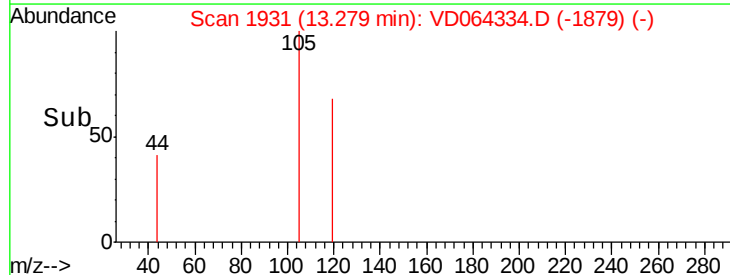
Tgt Ion:105 Resp: 427
Ion Ratio Lower Upper
105 100
120 80.3 23.3 69.8#

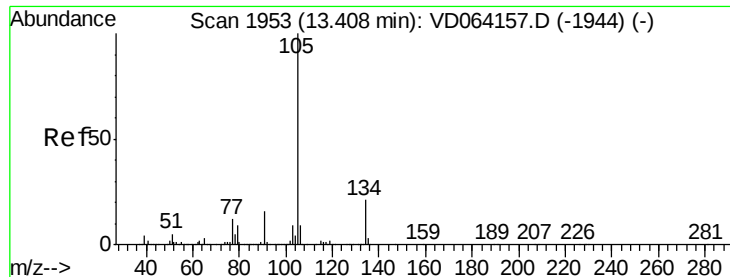


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time--> 13.25 13.30

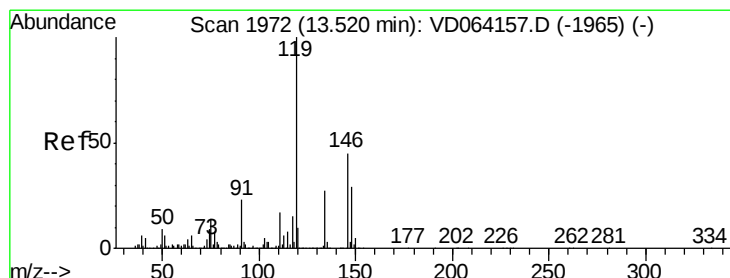
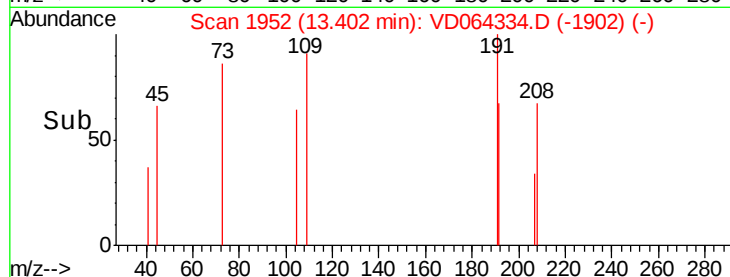
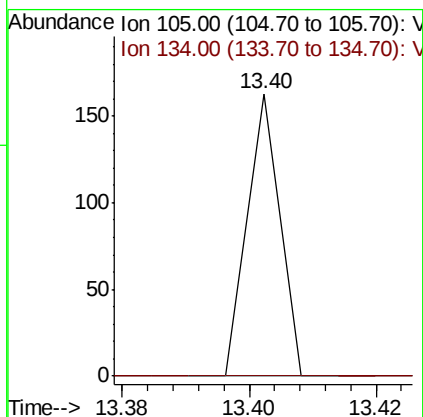
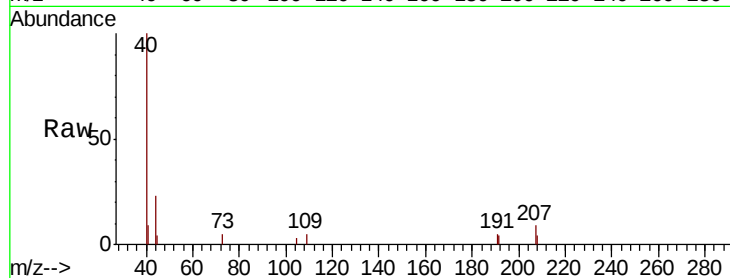




#85
 sec-Butylbenzene
 Concen: 3.970 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

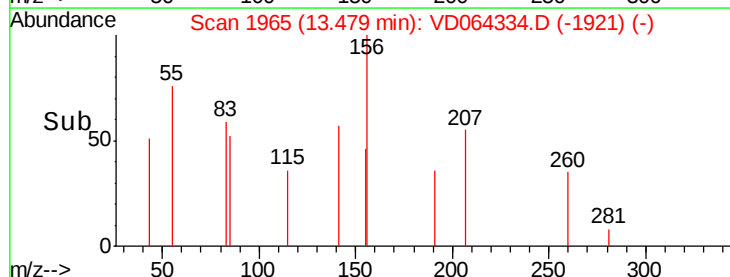
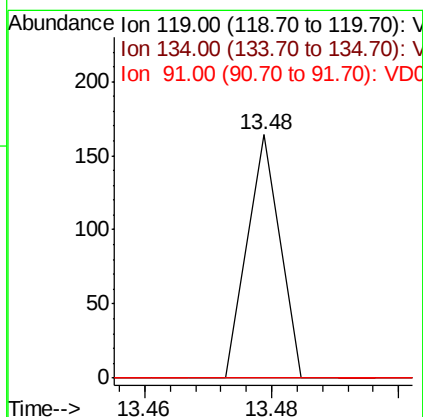
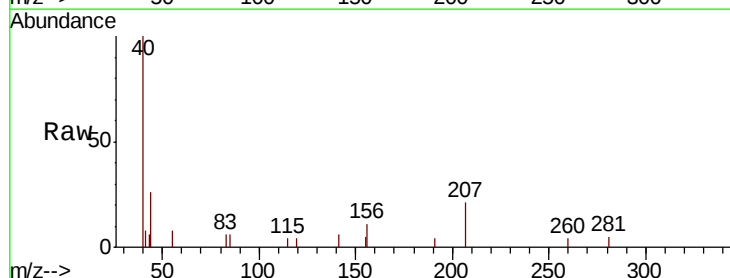
Instrument :
 MSVOA_D
 ClientSampled :

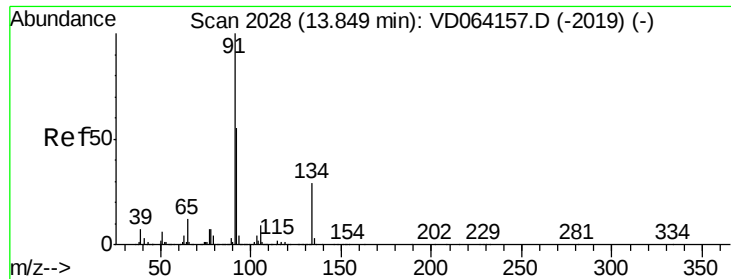
Tot Ion:105 Resp: 57
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.7 31.9#



#86
 p-Isopropyltoluene
 Concen: 4.249 ug/l
 RT: 13.48 min Scan# 1965
 Delta R.T. -0.04 min
 Lab File: VD064334.D
 Acq: 21 Nov 2019 19:49

Tgt Ion:119 Resp: 58
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.5 40.5#
 91 0.0 11.5 34.4#

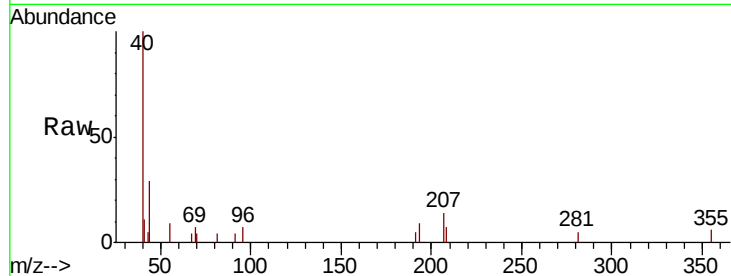




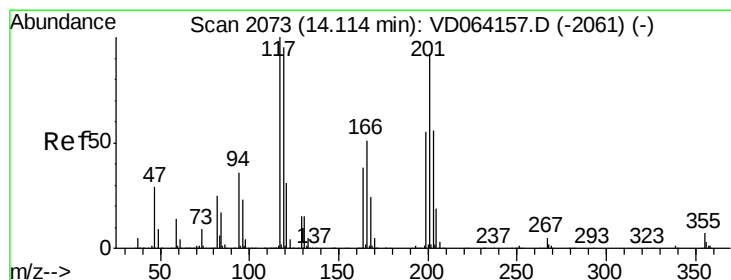
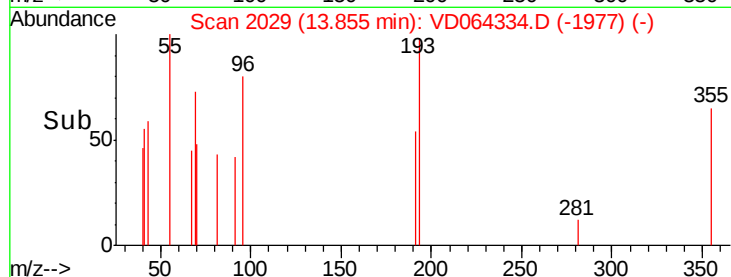
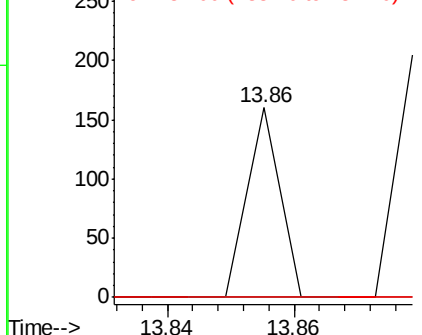
#89
n-Butylbenzene
Concen: 4.541 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 56
Ion Ratio Lower Upper
91 100
92 0.0 27.3 81.8#
134 0.0 14.1 42.4#

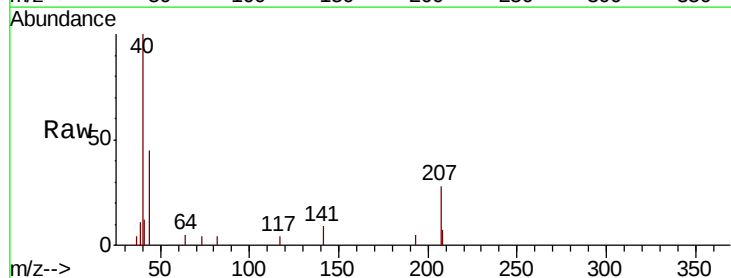


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V

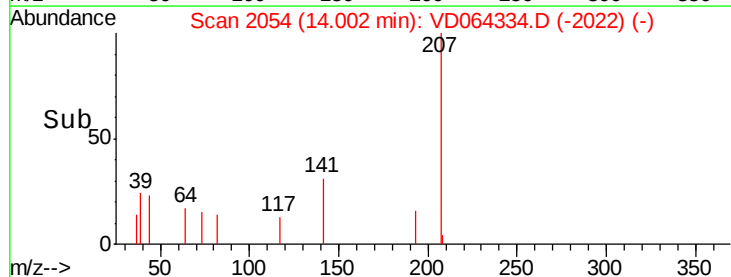
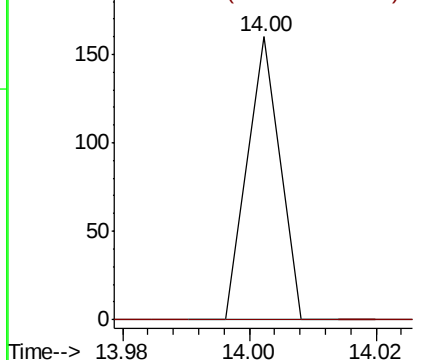


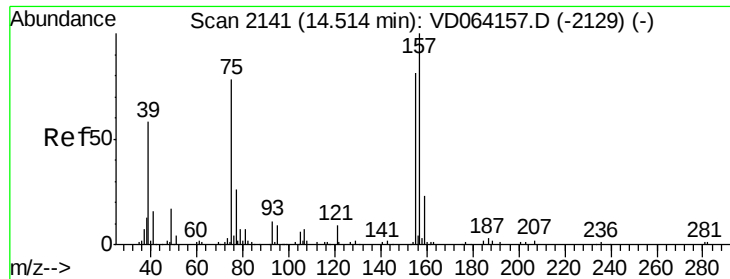
#90
Hexachloroethane
Concen: 22.200 ug/l
RT: 14.00 min Scan# 2054
Delta R.T. -0.11 min
Lab File: VD064334.D
Acq: 21 Nov 2019 19:49

Tgt Ion: 117 Resp: 56
Ion Ratio Lower Upper
117 100
201 0.0 45.8 137.4#



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: 168.567 ug/l

RT: 14.23 min Scan# 2093

Delta R.T. -0.28 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

Instrument :

MSVOA_D

ClientSampleId :

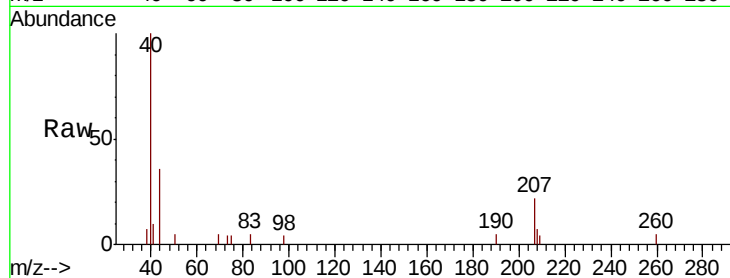
Tot Ion: 75 Resp: 67

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.0#

157 0.0 61.5 184.4#



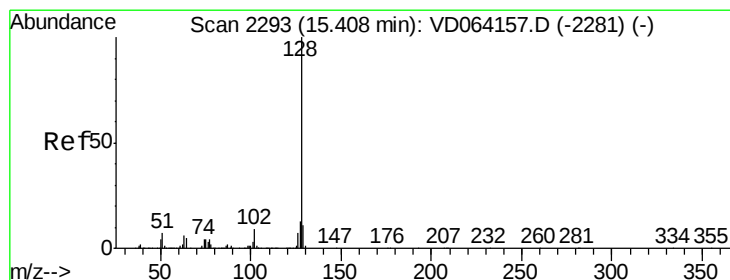
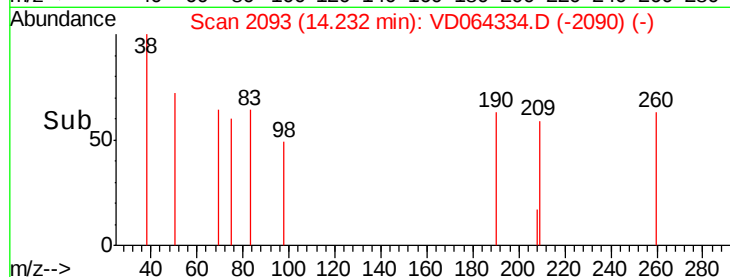
Abundance Ion 74.90 (74.60 to 75.60): VD064157.D (-2129) (-)

Ion 154.80 (154.50 to 155.50): VD064157.D (-2129) (-)

Ion 156.80 (156.50 to 157.50): VD064157.D (-2129) (-)

14.23

14.22 14.23 14.24



#95

Naphthalene

Concen: 7.583 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064334.D

Acq: 21 Nov 2019 19:49

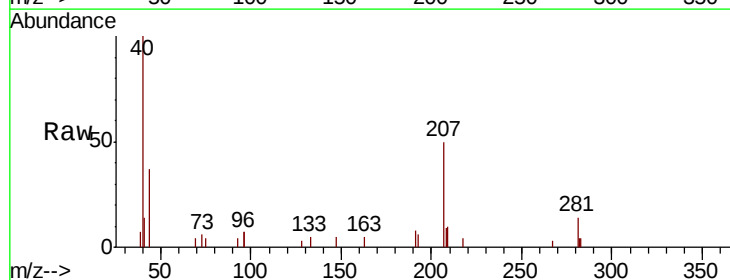
Tgt Ion: 128 Resp: 54

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VD064157.D (-2281) (-)

Ion 127.00 (126.70 to 127.70): VD064157.D (-2281) (-)

Ion 129.00 (128.70 to 129.70): VD064157.D (-2281) (-)

15.41

15.40 15.41 15.42

