

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064012.D
 Acq On : 18 Oct 2019 15:53
 Operator : VA/SY
 Sample : K5448-01
 Misc : 4.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:39:51 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	7.99	168	2149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	3033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	2475	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.58	152	546	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	885	42.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.60%	
35) Dibromofluoromethane	7.91	113	1002	54.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.12%	
50) Toluene-d8	10.35	98	3280	43.60	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	87.20%	
62) 4-Bromofluorobenzene	12.63	95	1097	41.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.11	85	63	4.134	ug/l #	47
3) Chloromethane	2.21	50	85	Below Cal	#	40
4) Vinyl Chloride	2.37	62	81	1.644	ug/l #	43
5) Bromomethane	2.61	94	54	1.705	ug/l #	5
6) Chloroethane	2.91	64	63	1.934	ug/l #	46
8) Diethyl Ether	3.83	74	60	5.740	ug/l #	2
9) 1,1,2-Trichlorotrifluoroet	3.80	101	71	3.939	ug/l #	16
10) Methyl Iodide	4.47	142	54	2.174	ug/l #	40
11) Tert butyl alcohol	5.17	59	106	67.058	ug/l #	1
12) 1,1-Dichloroethene	4.09	96	62	3.442	ug/l #	1
13) Acrolein	3.89	56	56	29.968	ug/l #	17
14) Allyl chloride	4.71	41	327	10.921	ug/l #	44
15) Acrylonitrile	5.44	53	72	15.623	ug/l #	17
16) Acetone	4.16	43	63	11.566	ug/l #	42
17) Carbon Disulfide	4.36	76	103	1.573	ug/l #	79
18) Methyl Acetate	4.66	43	63	5.913	ug/l #	49
19) Methyl tert-butyl Ether	5.53	73	89	1.908	ug/l #	1
20) Methylene Chloride	5.09	84	174	4.457	ug/l #	7
21) trans-1,2-Dichloroethene	5.28	96	60	2.676	ug/l #	1
22) Diisopropyl ether	6.34	45	79	1.292	ug/l #	20
23) Vinyl Acetate	6.29	43	60	1.649	ug/l #	71
24) 1,1-Dichloroethane	6.39	63	53	1.407	ug/l #	82
25) 2-Butanone	7.31	43	209	32.376	ug/l #	51
26) 2,2-Dichloropropane	7.31	77	70	2.054	ug/l #	53
27) cis-1,2-Dichloroethene	6.95	96	58	2.285	ug/l #	1
28) Bromochloromethane	7.54	49	219	16.586	ug/l #	10
29) Tetrahydrofuran	7.59	42	146	38.748	ug/l #	31
30) Chloroform	7.71	83	54	1.320	ug/l #	20
31) Cyclohexane	8.04	56	69	Below Cal	#	12
32) 1,1,1-Trichloroethane	7.79	97	53	1.510	ug/l #	26
36) 1,1-Dichloropropene	8.00	75	56	2.019	ug/l #	41
37) Ethyl Acetate	7.31	43	209	16.090	ug/l #	68
38) Carbon Tetrachloride	7.99	117	140	4.996	ug/l #	15
39) Methylcyclohexane	9.42	83	80	2.346	ug/l #	18

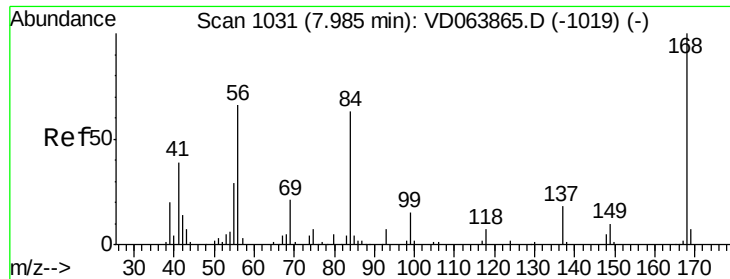
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064012.D
 Acq On : 18 Oct 2019 15:53
 Operator : VA/SY
 Sample : K5448-01
 Misc : 4.94G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:39:51 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)
41) Methacrylonitrile	7.53	41	55	8.554	ug/l #	2
42) 1,2-Dichloroethane	8.46	62	86	3.741	ug/l #	73
43) Isopropyl Acetate	8.47	43	60	2.580	ug/l #	49
44) Trichloroethene	8.91	130	54	2.356	ug/l	6
45) 1,2-Dichloropropane	9.42	63	71	3.650	ug/l #	41
46) Dibromomethane	9.38	93	58	5.236	ug/l #	3
47) Bromodichloromethane	9.51	83	59	2.069	ug/l #	26
48) Methyl methacrylate	9.47	41	70	6.282	ug/l #	24
49) 1,4-Dioxane	9.19	88	55	363.727	ug/l #	1
51) 4-Methyl-2-Pentanone	10.22	43	62	5.140	ug/l #	34
52) Toluene	10.41	92	61	1.118	ug/l #	1
53) t-1,3-Dichloropropene	10.57	75	89	3.198	ug/l #	46
54) cis-1,3-Dichloropropene	9.97	75	74	2.310	ug/l #	33
55) 1,1,2-Trichloroethane	10.76	97	56	3.580	ug/l #	14
56) Ethyl methacrylate	10.87	69	329	16.610	ug/l #	46
58) 2-Chloroethyl Vinyl ether	10.03	63	65	7.634	ug/l #	44
59) 2-Hexanone	11.06	43	245	28.081	ug/l	92
65) Chlorobenzene	11.70	112	64	1.288	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.88	131	57	3.112	ug/l #	8
69) o-Xylene	12.36	106	64	1.932	ug/l #	1
73) Isopropylbenzene	12.59	105	71	1.934	ug/l #	48
74) N-amyl acetate	12.30	43	84	10.629	ug/l #	1
76) 1,2,3-Trichloropropane	12.77	75	199	54.417	ug/l #	100
77) Bromobenzene	12.67	156	54	5.905	ug/l #	1
78) n-propylbenzene	13.02	91	64	1.485	ug/l #	51
79) 2-Chlorotoluene	13.02	91	64	2.694	ug/l #	7
80) 1,3,5-Trimethylbenzene	12.79	105	148	4.833	ug/l	74
81) trans-1,4-Dichloro-2-buten	12.63	75	453	219.206	ug/l #	12
82) 4-Chlorotoluene	13.02	91	64	2.540	ug/l #	8
83) tert-Butylbenzene	13.15	119	170	6.238	ug/l #	29
84) 1,2,4-Trimethylbenzene	13.39	105	118	3.738	ug/l #	29
85) sec-Butylbenzene	13.39	105	118	3.206	ug/l #	55
86) p-Isopropyltoluene	13.67	119	140	4.020	ug/l #	50
87) 1,3-Dichlorobenzene	13.51	146	58	3.210	ug/l #	26
88) 1,4-Dichlorobenzene	13.51	146	58	3.254	ug/l #	25
89) n-Butylbenzene	13.79	91	57	1.758	ug/l #	32
92) 1,2-Dibromo-3-Chloropropan	14.64	75	115	119.289	ug/l #	1
94) Hexachlorobutadiene	15.04	225	56	8.446	ug/l #	20
95) Naphthalene	15.53	128	56	2.773	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

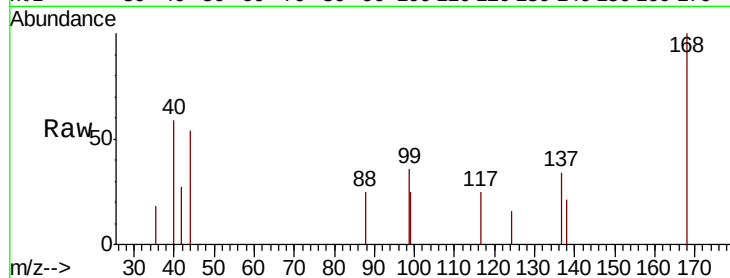
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 2149

Ion Ratio Lower Upper

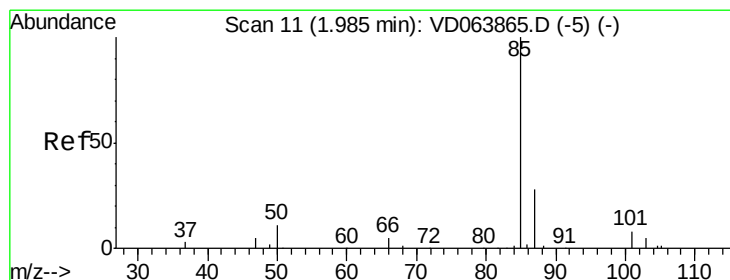
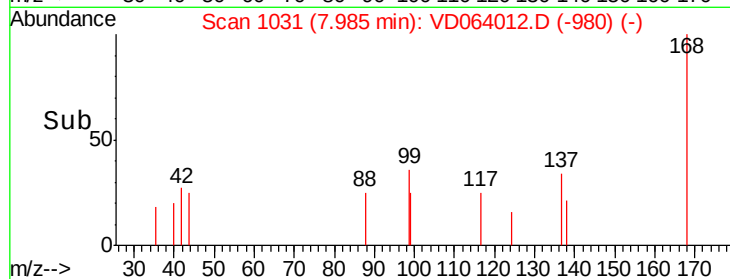
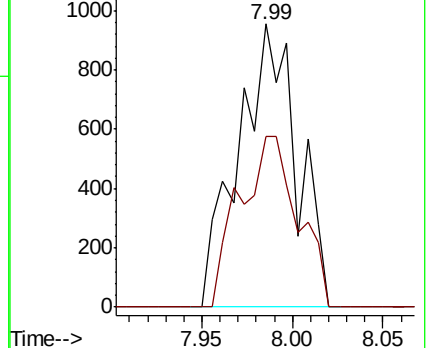
168 100

99 60.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.134 ug/l

RT: 2.11 min Scan# 33

Delta R.T. 0.13 min

Lab File: VD064012.D

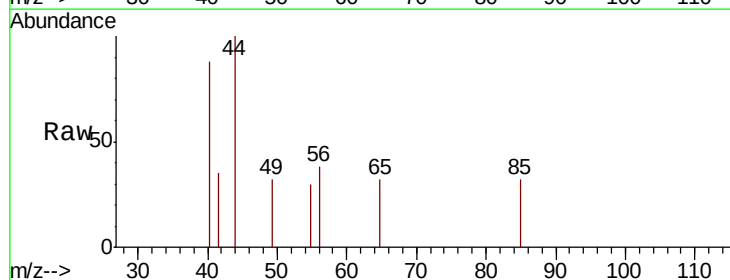
Acq: 18 Oct 2019 15:53

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

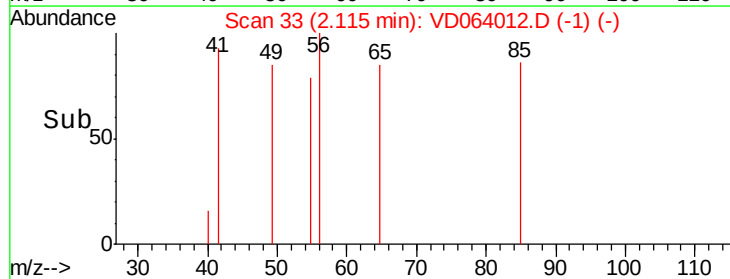
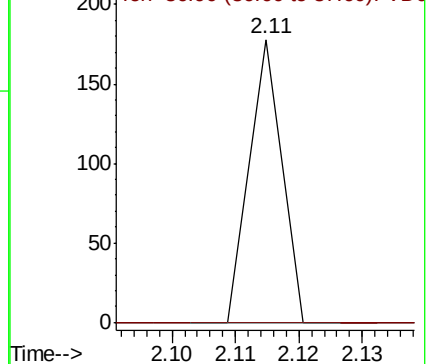
85 100

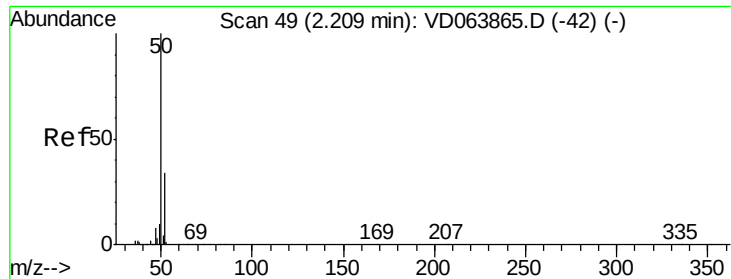
87 0.0 14.0 42.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

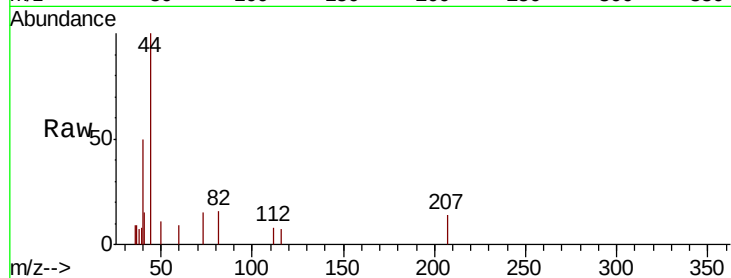
ClientSampleId :

Tot Ion: 50 Resp: 85

Ion Ratio Lower Upper

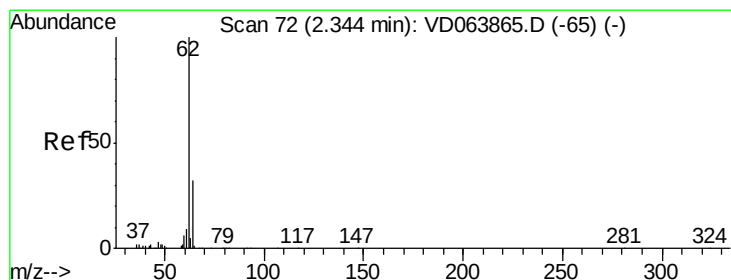
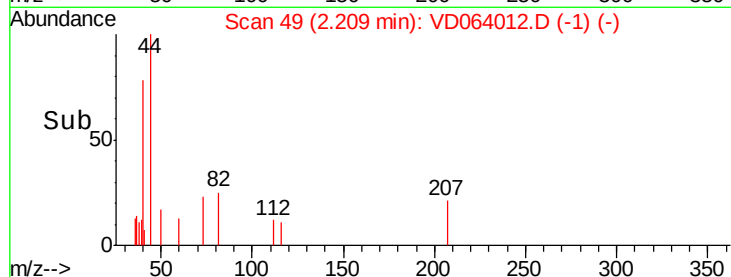
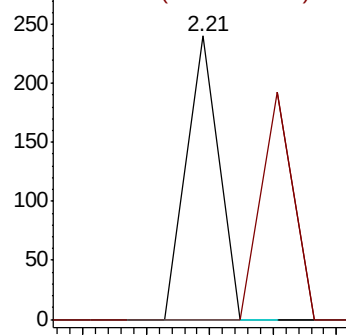
50 100

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: 1.644 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.03 min

Lab File: VD064012.D

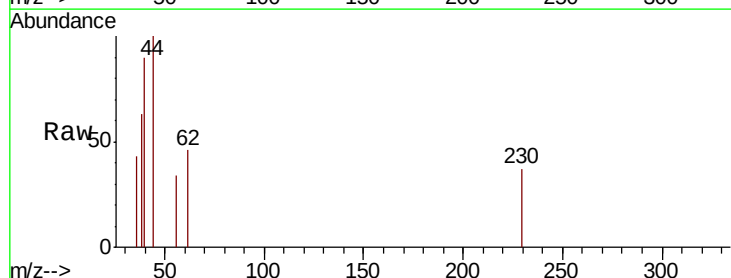
Acq: 18 Oct 2019 15:53

Tgt Ion: 62 Resp: 81

Ion Ratio Lower Upper

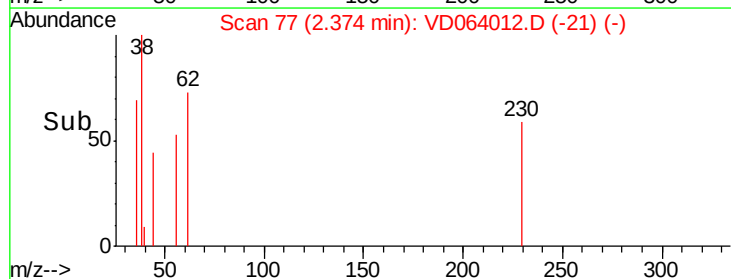
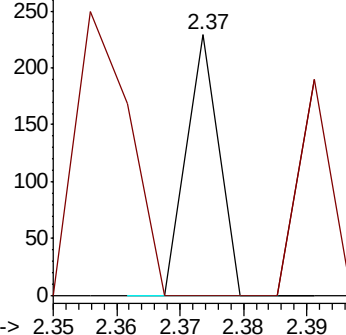
62 100

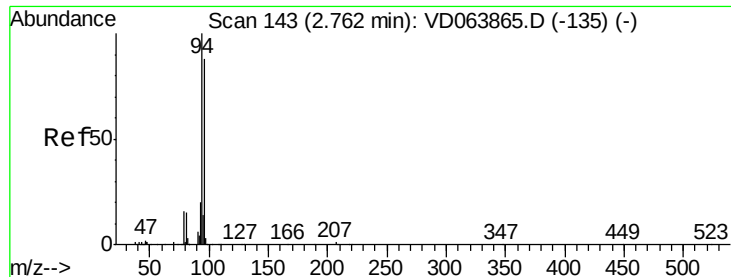
64 0.0 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 1.705 ug/l

RT: 2.61 min Scan# 118

Delta R.T. -0.15 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

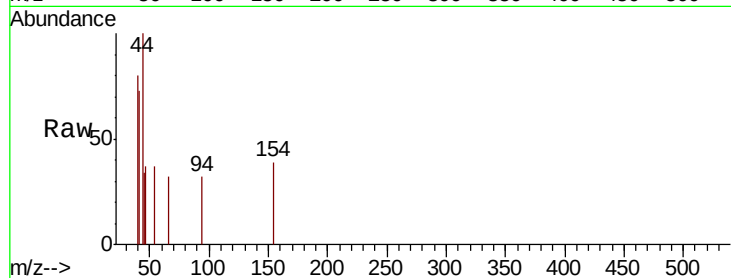
ClientSampleId :

Tot Ion: 94 Resp: 54

Ion Ratio Lower Upper

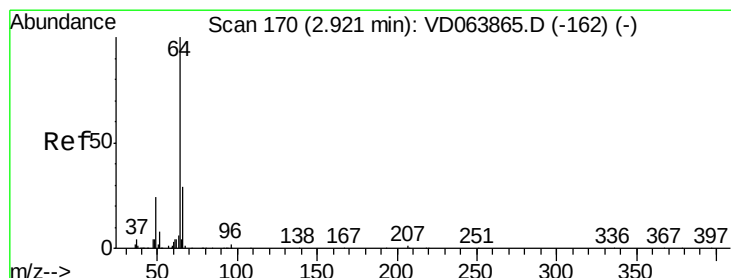
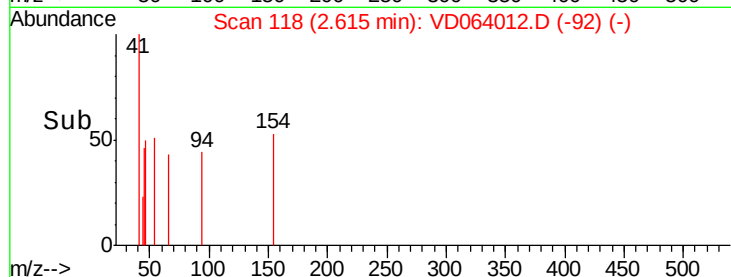
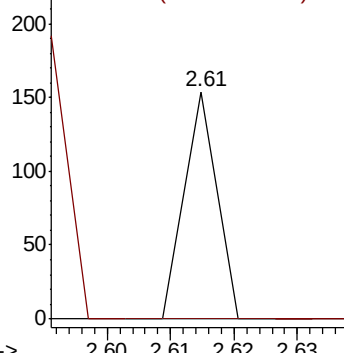
94 100

96 0.0 70.8 106.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 1.934 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD064012.D

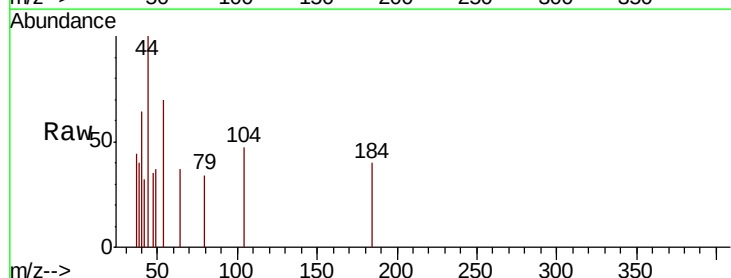
Acq: 18 Oct 2019 15:53

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

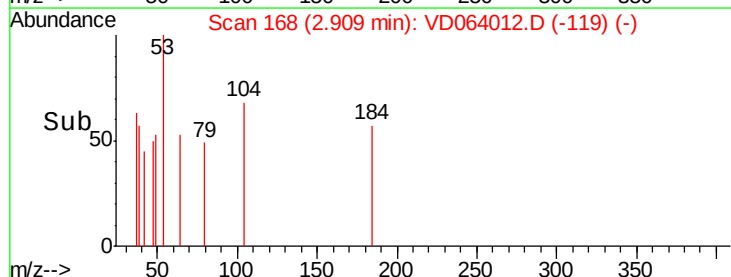
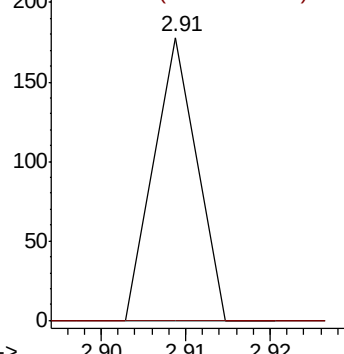
64 100

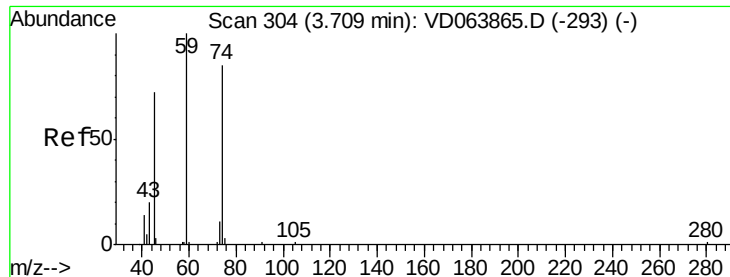
66 0.0 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#8

Diethyl Ether

Concen: 5.740 ug/l

RT: 3.83 min Scan# 325

Delta R.T. 0.12 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

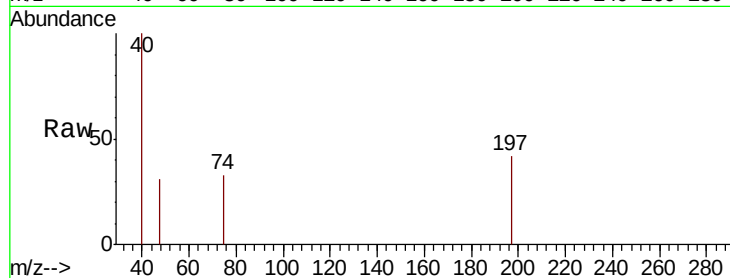
ClientSampleId :

Tot Ion: 74 Resp: 60

Ion Ratio Lower Upper

74 100

45 0.0 48.1 144.4#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.83

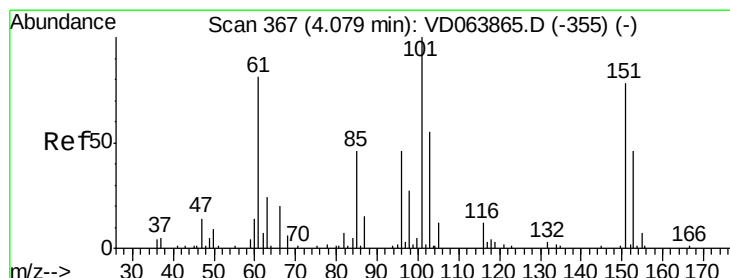
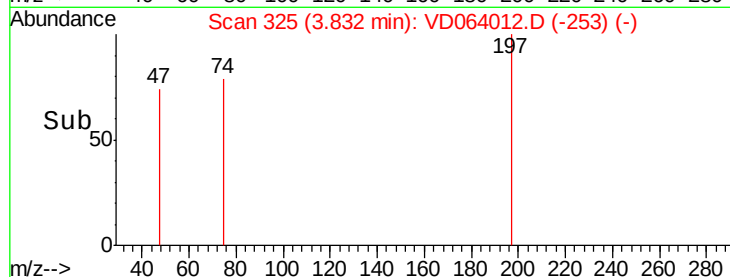
150

100

50

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.939 ug/l

RT: 3.80 min Scan# 319

Delta R.T. -0.28 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

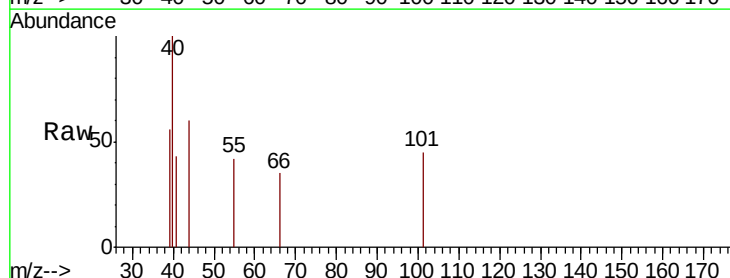
Tgt Ion: 101 Resp: 71

Ion Ratio Lower Upper

101 100

85 0.0 37.5 56.3#

151 0.0 65.5 98.3#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V

250

200

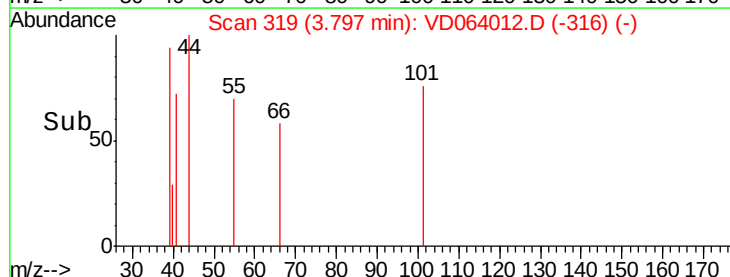
150

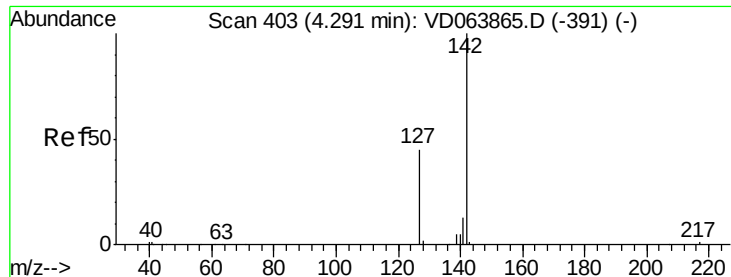
100

50

0

Time-->

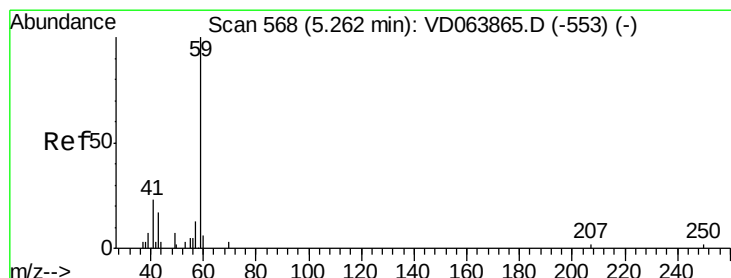
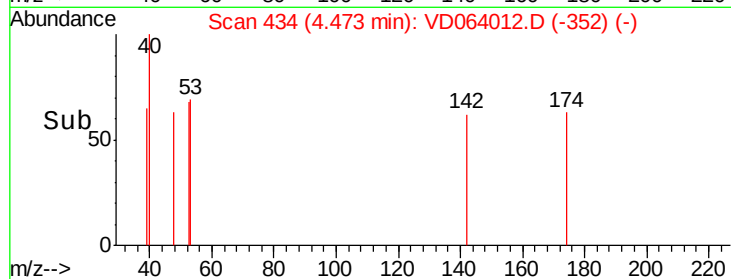
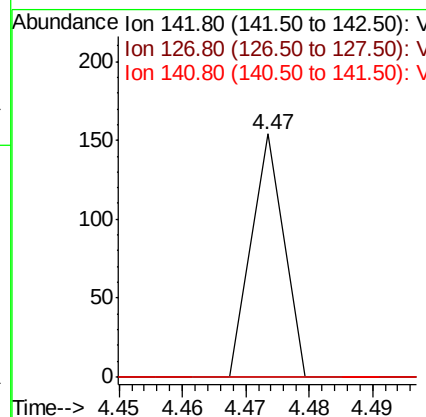
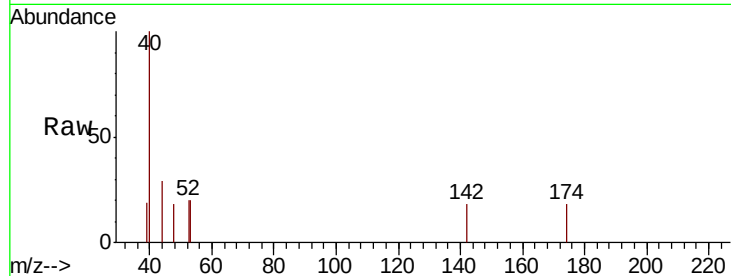




#10
Methyl Iodide
Concen: 2.174 ug/l
RT: 4.47 min Scan# 434
Delta R.T. 0.18 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

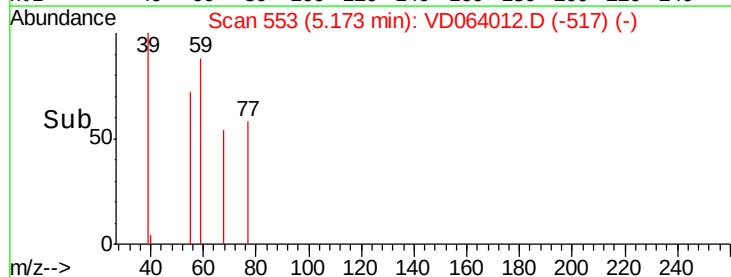
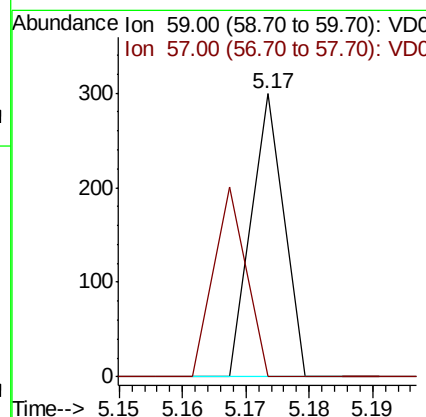
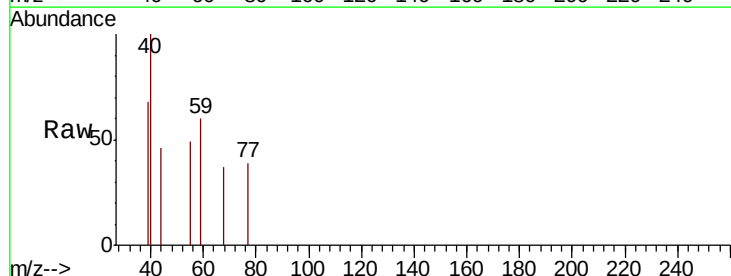
Instrument :
MSVOA_D
ClientSampled :

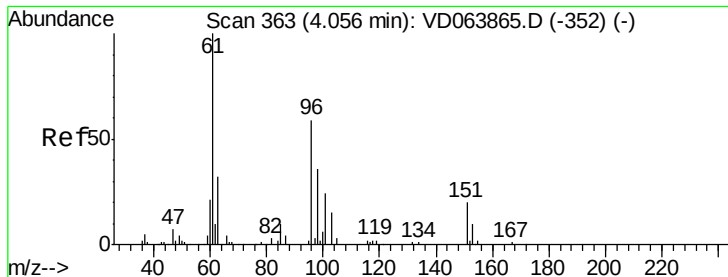
Tot Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: 67.058 ug/l
RT: 5.17 min Scan# 553
Delta R.T. -0.09 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion: 59 Resp: 106
Ion Ratio Lower Upper
59 100
57 67.0 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 3.442 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.03 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

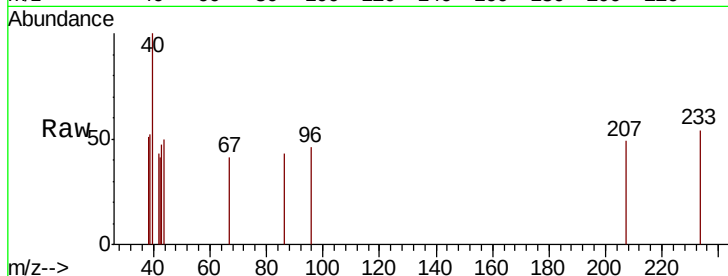
Tot Ion: 96 Resp: 62

Ion Ratio Lower Upper

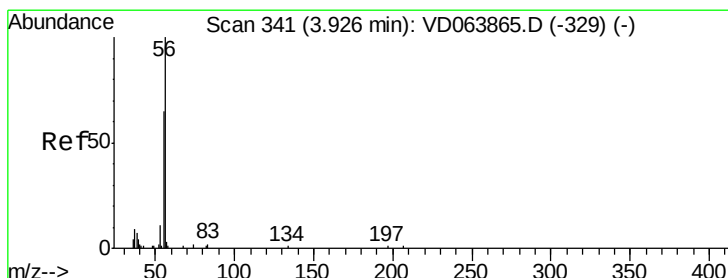
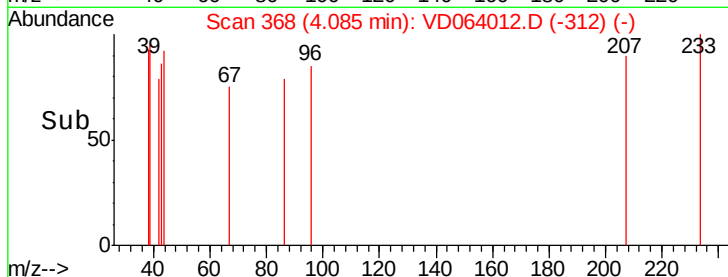
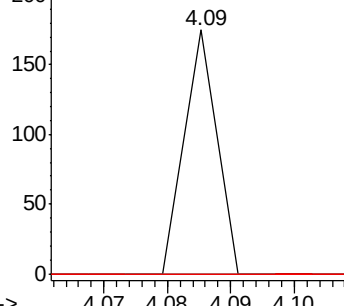
96 100

61 0.0 135.6 203.4#

98 0.0 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: 29.968 ug/l

RT: 3.89 min Scan# 335

Delta R.T. -0.04 min

Lab File: VD064012.D

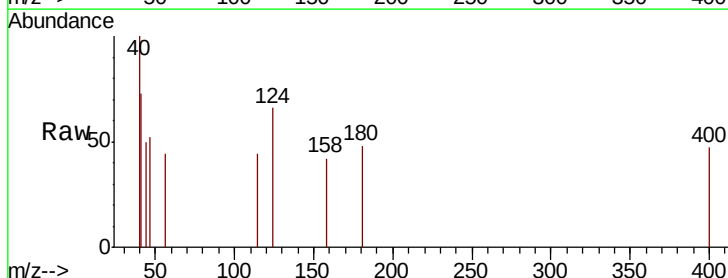
Acq: 18 Oct 2019 15:53

Tgt Ion: 56 Resp: 56

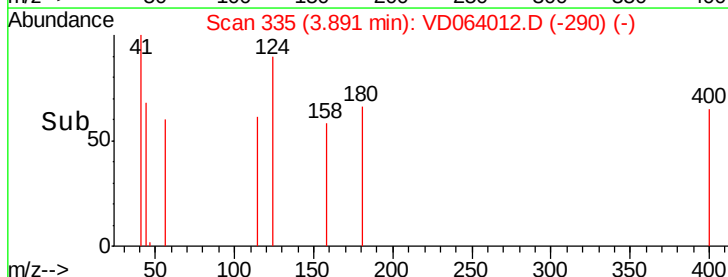
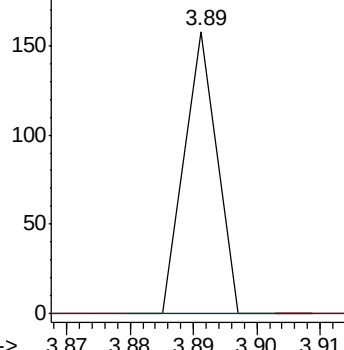
Ion Ratio Lower Upper

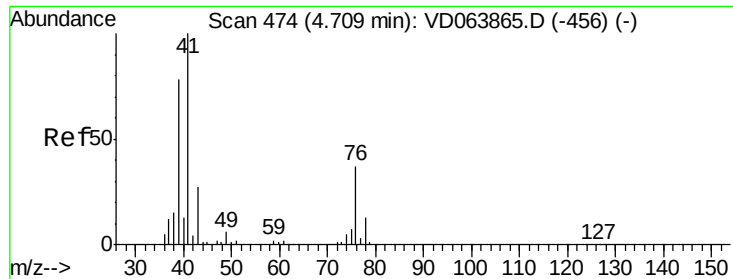
56 100

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

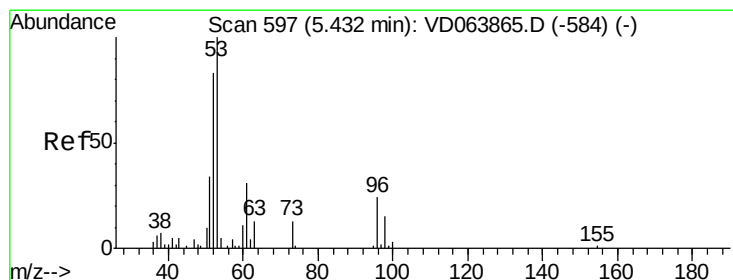
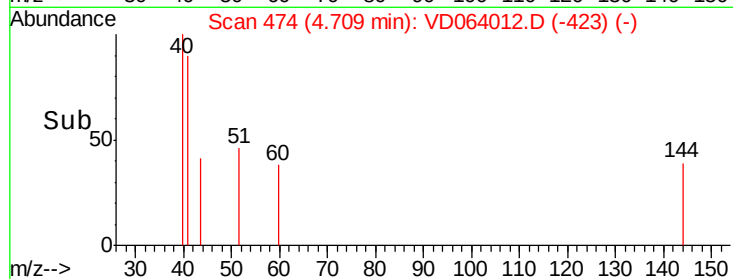
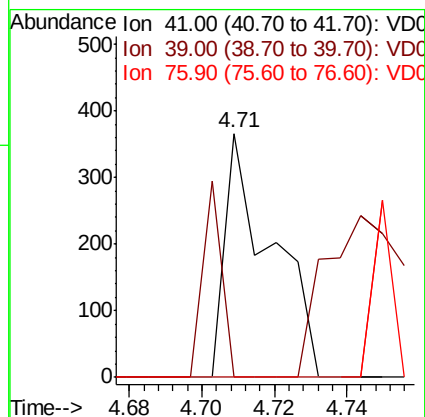
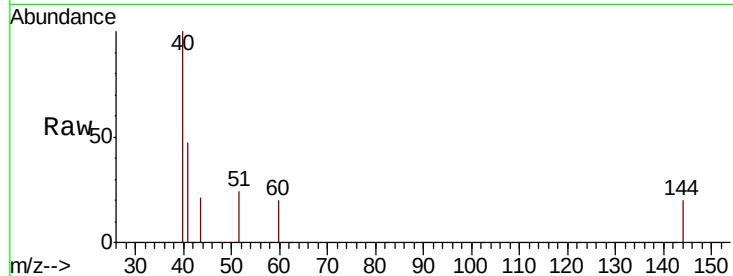




#14
 Allvl chloride
 Concen: 10.921 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

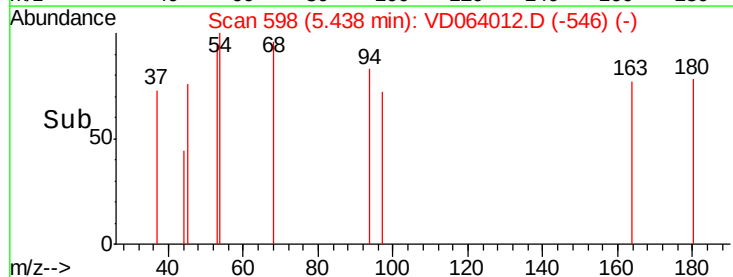
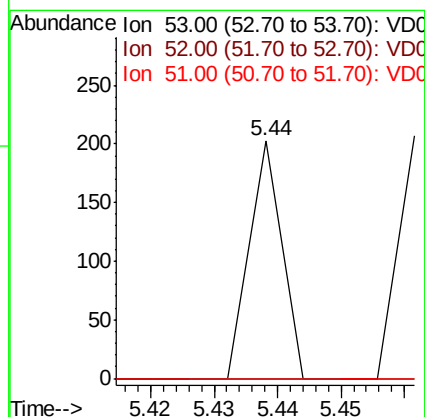
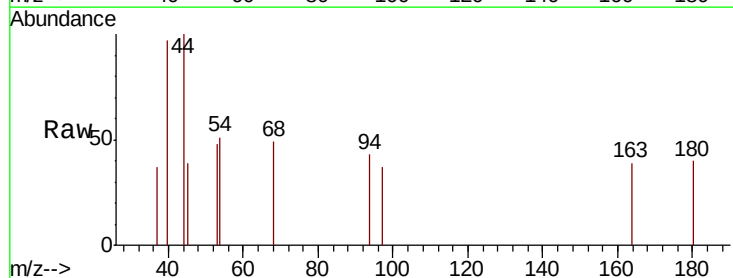
Instrument :
 MSVOA_D
 ClientSampled :

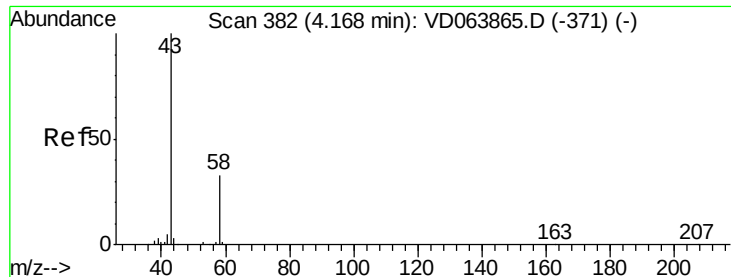
Tot Ion: 41 Resp: 327
 Ion Ratio Lower Upper
 41 100
 39 31.8 61.8 92.6#
 76 0.0 31.3 46.9#



#15
 Acrylonitrile
 Concen: 15.623 ug/l
 RT: 5.44 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Tgt Ion: 53 Resp: 72
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.3 100.9#
 51 0.0 30.5 45.7#





#16

Acetone

Concen: 11.566 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

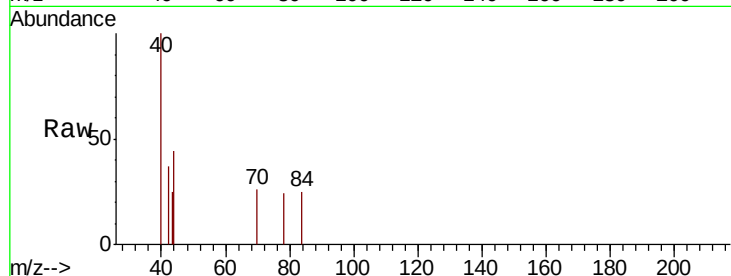
ClientSampleId :

Tot Ion: 43 Resp: 63

Ion Ratio Lower Upper

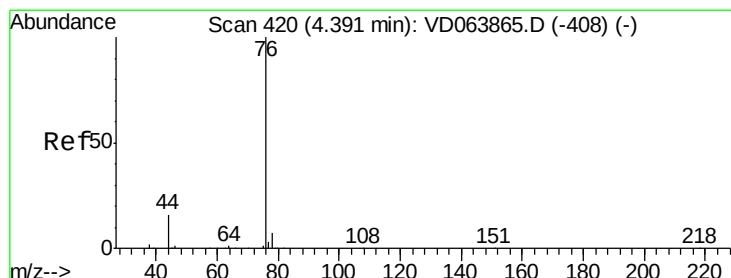
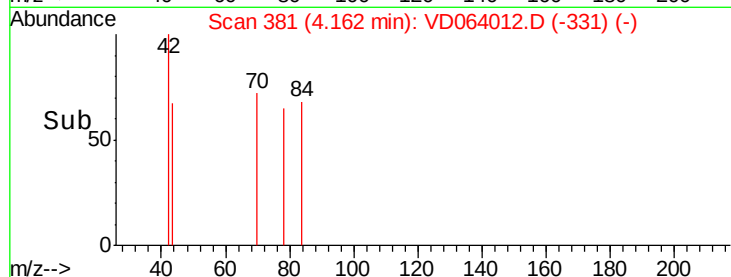
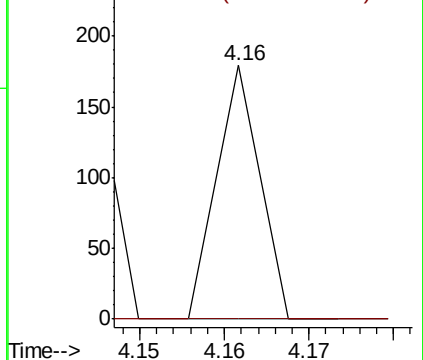
43 100

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



#17

Carbon Disulfide

Concen: 1.573 ug/l

RT: 4.36 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD064012.D

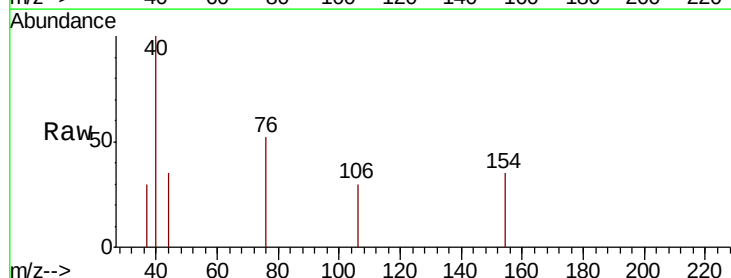
Acq: 18 Oct 2019 15:53

Tgt Ion: 76 Resp: 103

Ion Ratio Lower Upper

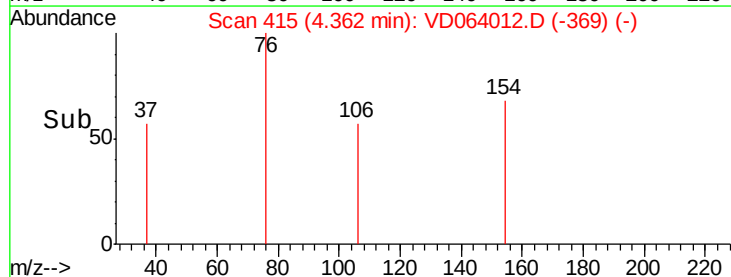
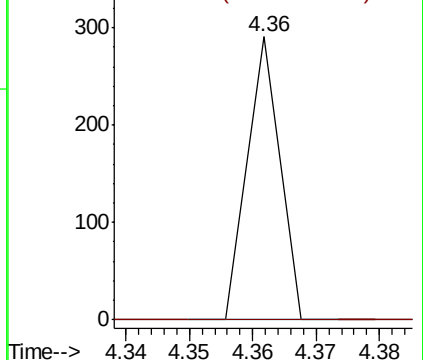
76 100

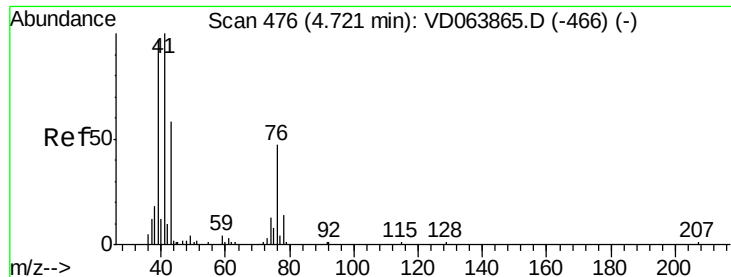
78 0.0 5.8 8.8#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

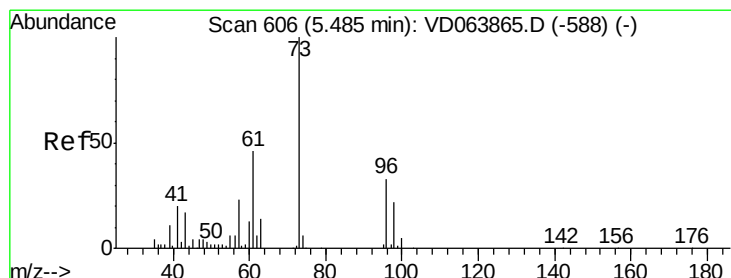
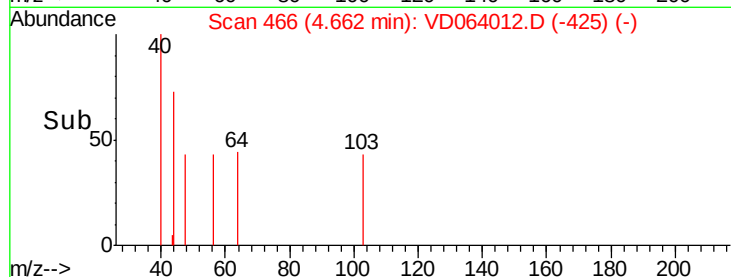
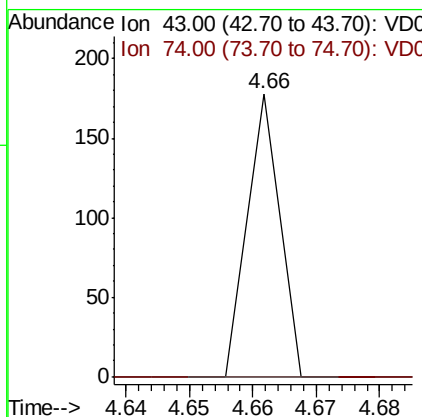
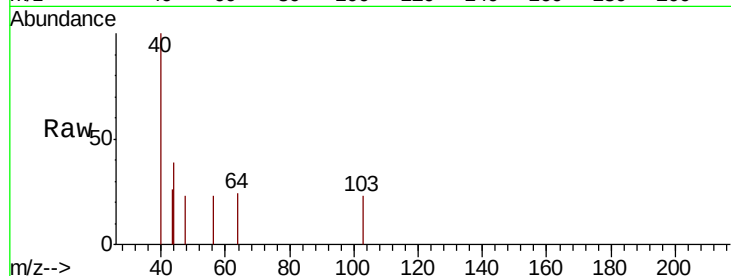




#18
Methyl Acetate
Concen: 5.913 ug/l
RT: 4.66 min Scan# 466
Delta R.T. -0.06 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

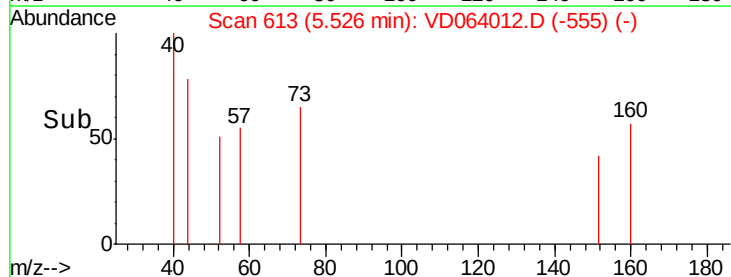
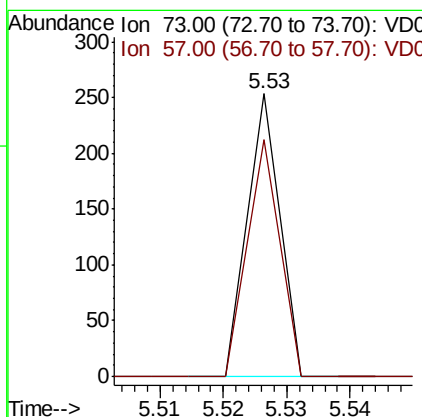
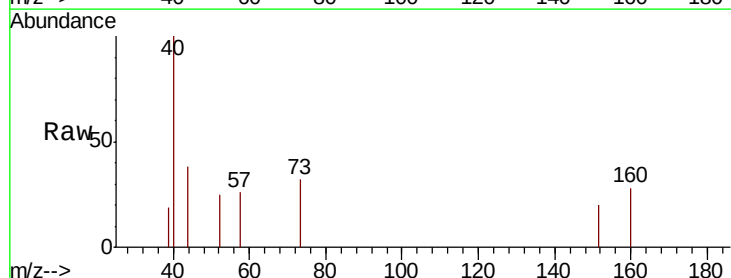
Instrument :
MSVOA_D
ClientSampleId :

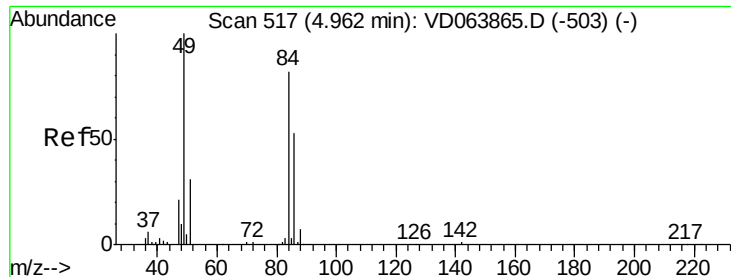
Tot Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#19
Methyl tert-butyl Ether
Concen: 1.908 ug/l
RT: 5.53 min Scan# 613
Delta R.T. 0.04 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion: 73 Resp: 89
Ion Ratio Lower Upper
73 100
57 83.8 18.1 27.1#

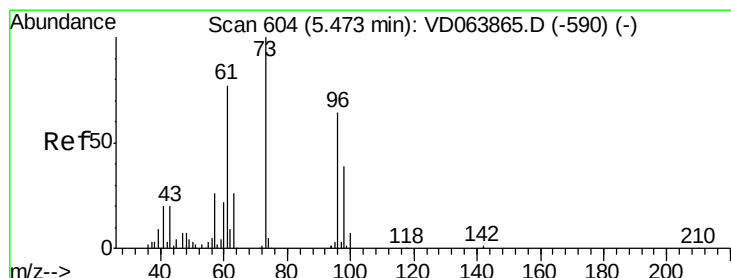
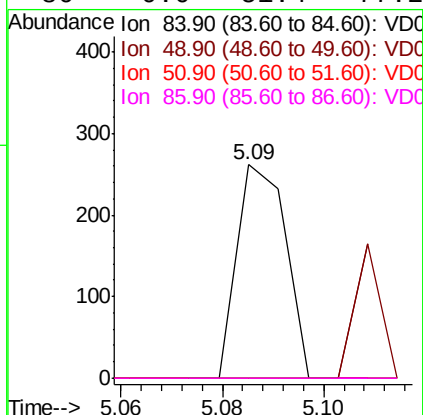
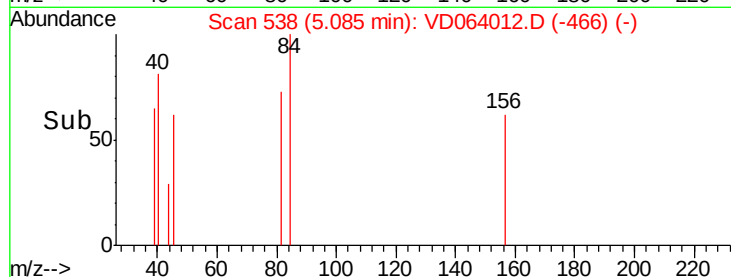
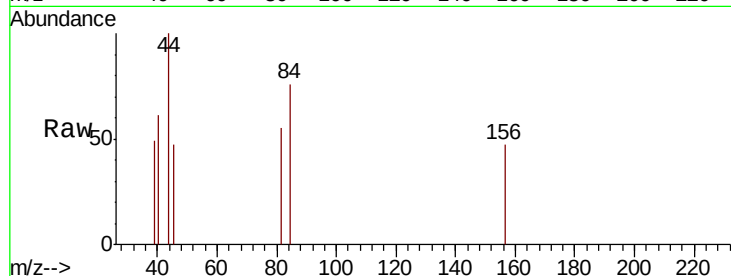




#20
Methylene Chloride
Concen: 4.457 ug/l
RT: 5.09 min Scan# 538
Delta R.T. 0.12 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

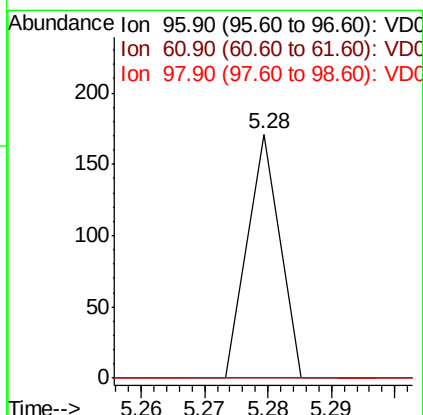
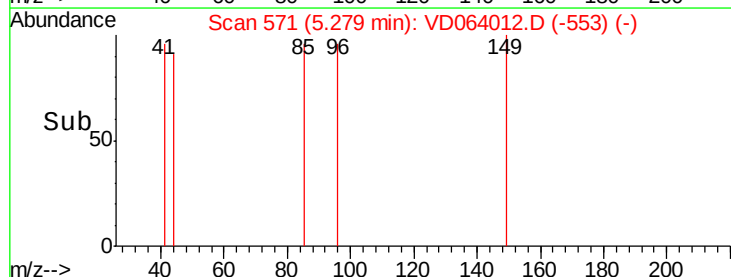
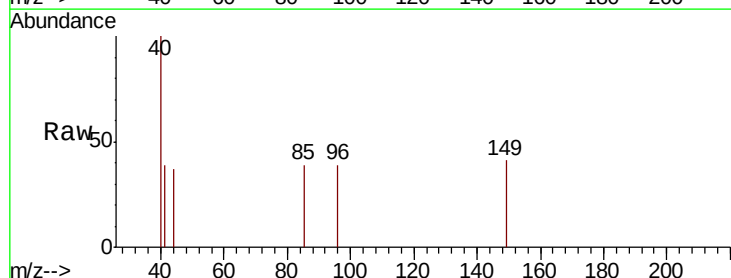
Instrument :
MSVOA_D
ClientSampleId :

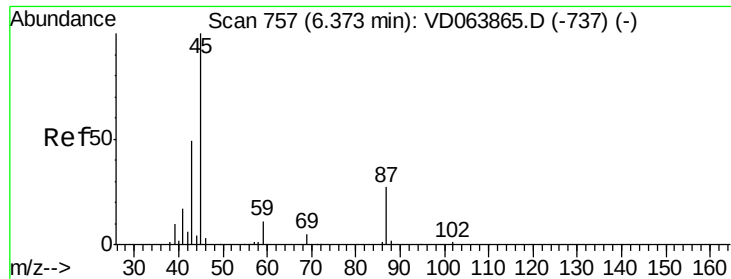
Tot Ion: 84 Resp: 174
Ion Ratio Lower Upper
84 100
49 0.0 97.3 145.9#
51 0.0 30.1 45.1#
86 0.0 51.4 77.2#



#21
trans-1,2-Dichloroethene
Concen: 2.676 ug/l
RT: 5.28 min Scan# 571
Delta R.T. -0.19 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion: 96 Resp: 60
Ion Ratio Lower Upper
96 100
61 0.0 96.6 145.0#
98 0.0 48.7 73.1#

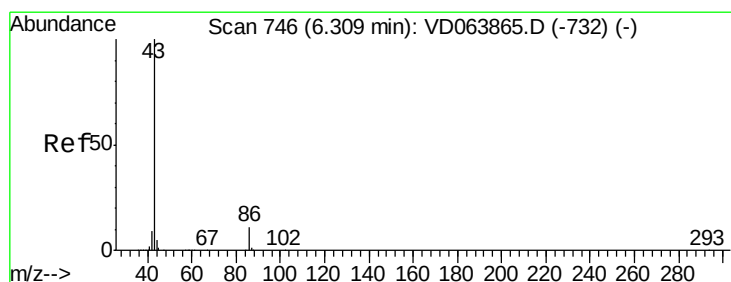
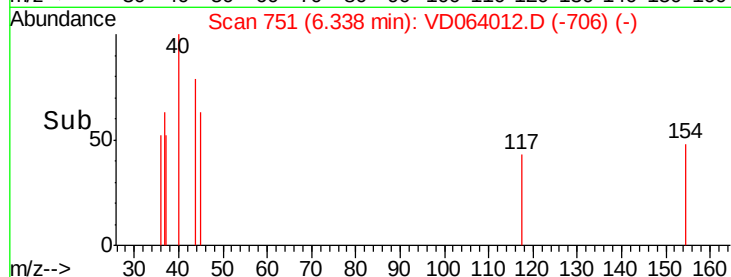
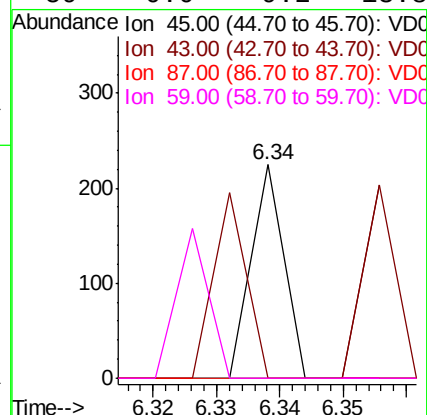
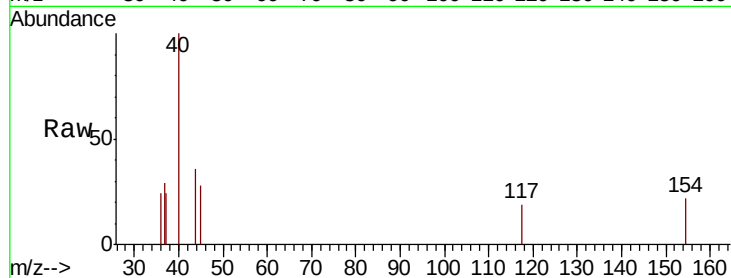




#22
Diisopropyl ether
Concen: 1.292 ug/l
RT: 6.34 min Scan# 751
Delta R.T. -0.04 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

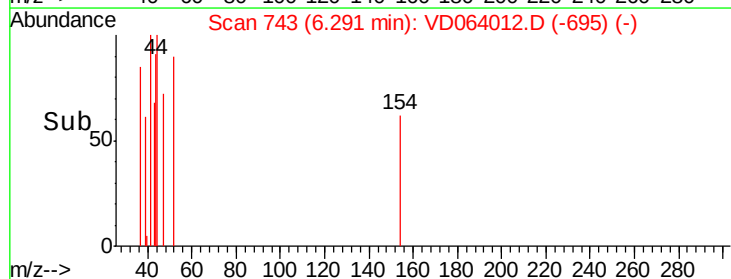
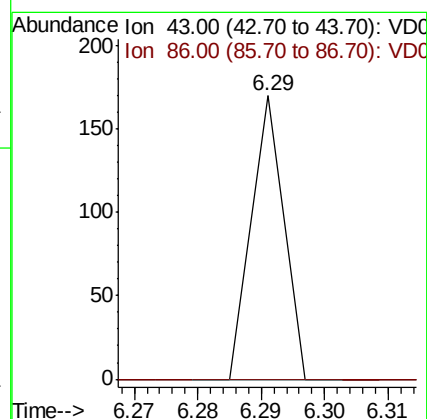
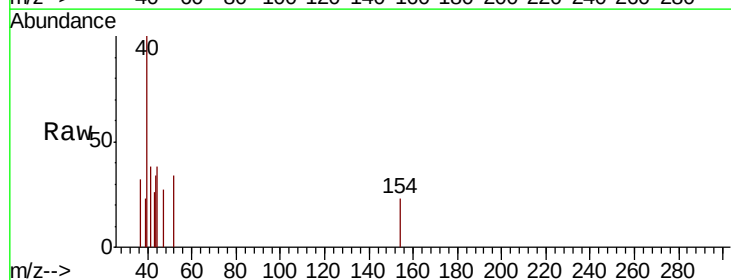
Instrument :
MSVOA_D
ClientSampleId :

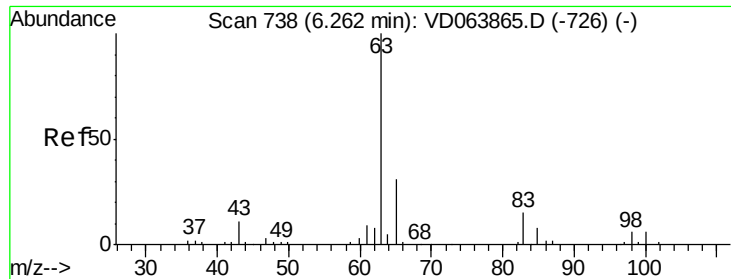
Tot Ion:	45	Resp:	79
Ion	Ratio	Lower	Upper
45	100		
43	125.8	41.2	61.8#
87	0.0	22.2	33.4#
59	0.0	9.2	13.8#



#23
Vinyl Acetate
Concen: 1.649 ug/l
RT: 6.29 min Scan# 743
Delta R.T. -0.02 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.8	13.2#

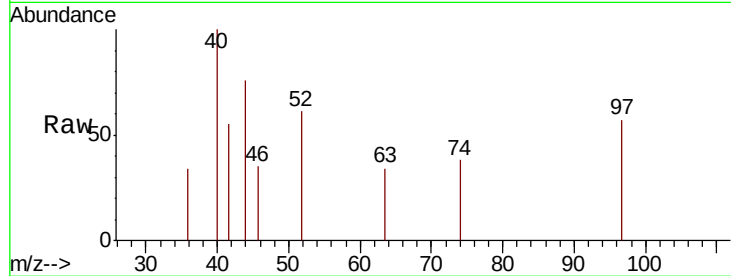




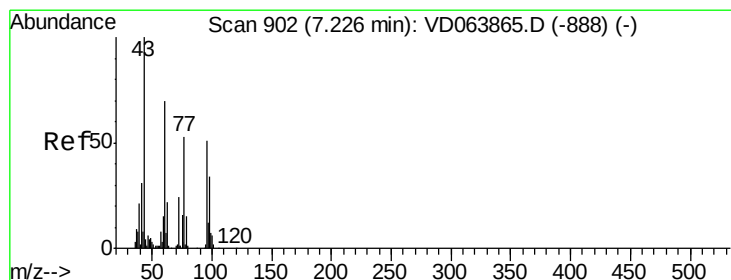
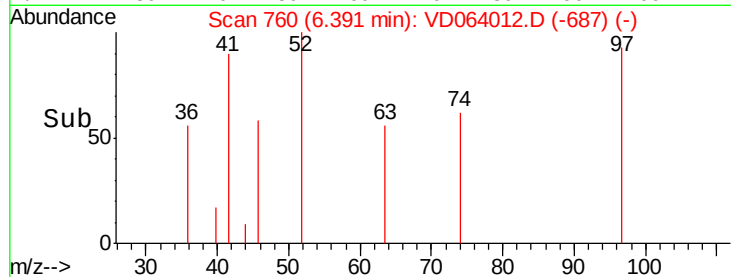
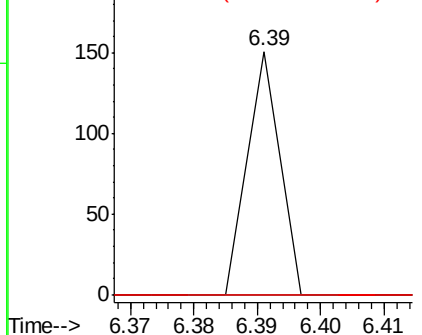
#24
 1,1-Dichloroethane
 Concen: 1.407 ug/l
 RT: 6.39 min Scan# 760
 Delta R.T. 0.13 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 63 Resp: 53
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.1 9.4#
 100 0.0 3.0 9.2#

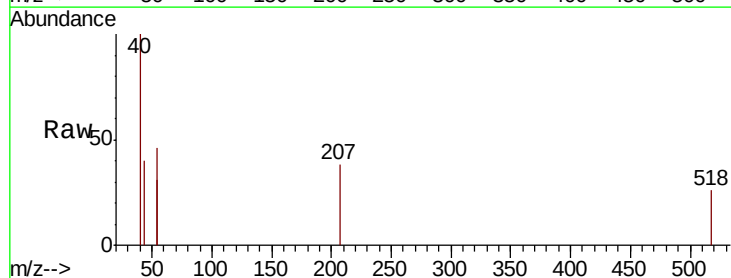


Abundance Ion 62.90 (62.60 to 63.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC
 Ion 99.90 (99.60 to 100.60): VDC

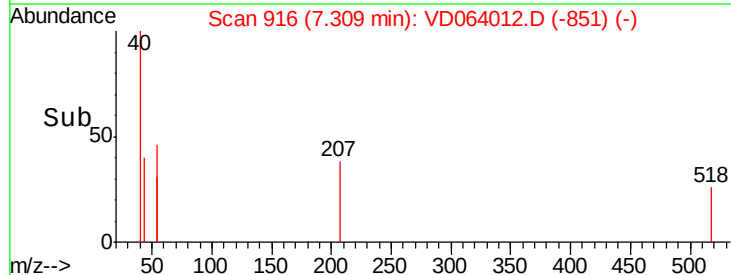
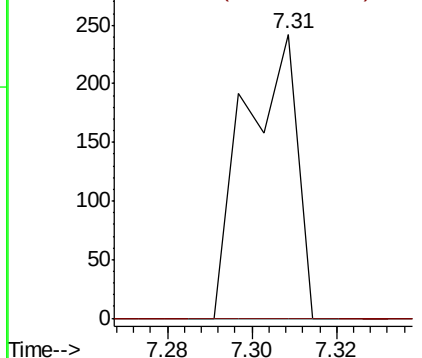


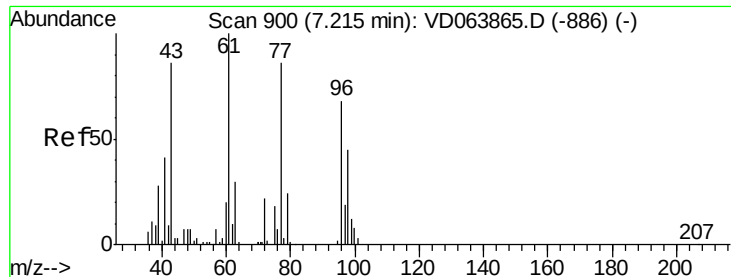
#25
 2-Butanone
 Concen: 32.376 ug/l
 RT: 7.31 min Scan# 916
 Delta R.T. 0.08 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Tgt Ion: 43 Resp: 209
 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





#26

2,2-Dichloropropane

Concen: 2.054 ug/l

RT: 7.31 min Scan# 917

Delta R.T. 0.10 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

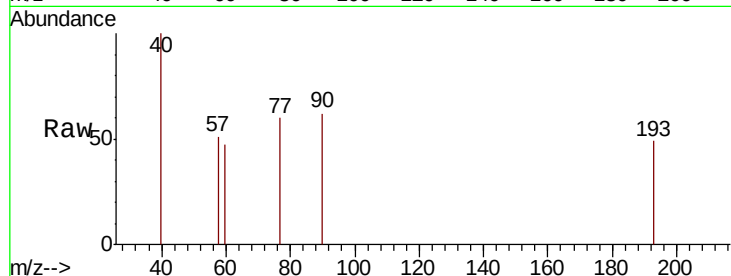
ClientSampleId :

Tot Ion: 77 Resp: 70

Ion Ratio Lower Upper

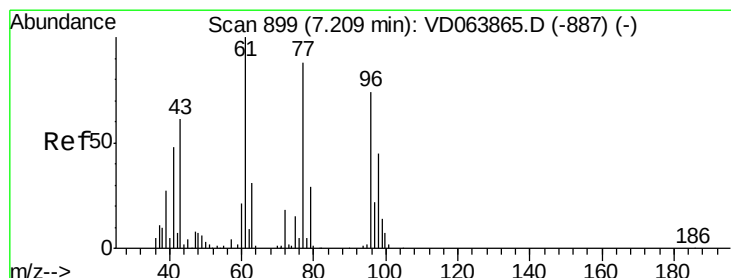
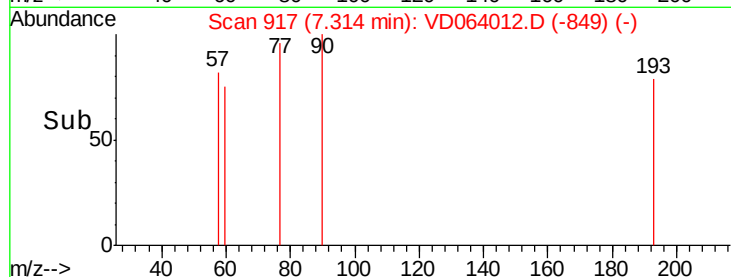
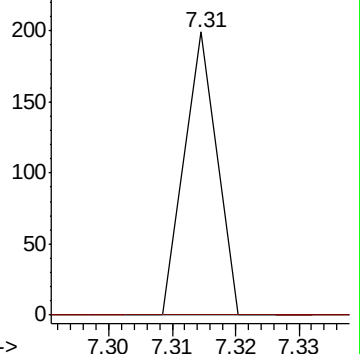
77 100

97 0.0 11.4 34.1#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



#27

cis-1,2-Dichloroethene

Concen: 2.285 ug/l

RT: 6.95 min Scan# 855

Delta R.T. -0.26 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

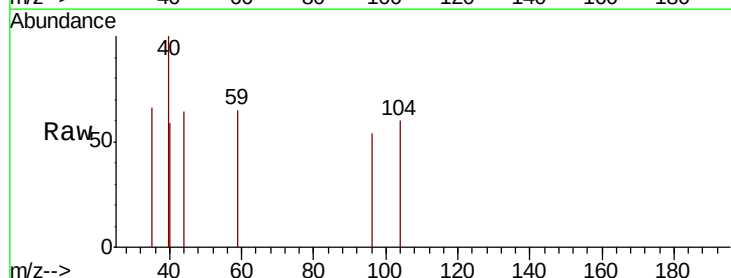
Tgt Ion: 96 Resp: 58

Ion Ratio Lower Upper

96 100

61 0.0 0.0 280.0

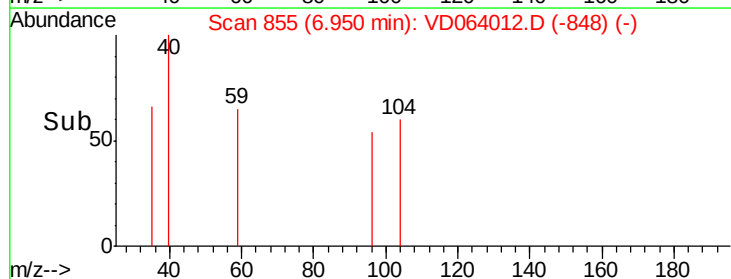
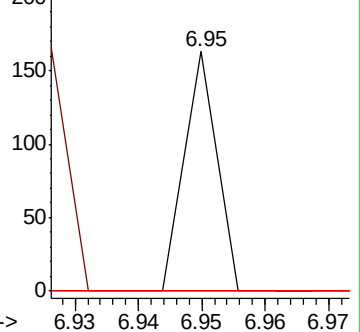
98 0.0 0.0 130.4

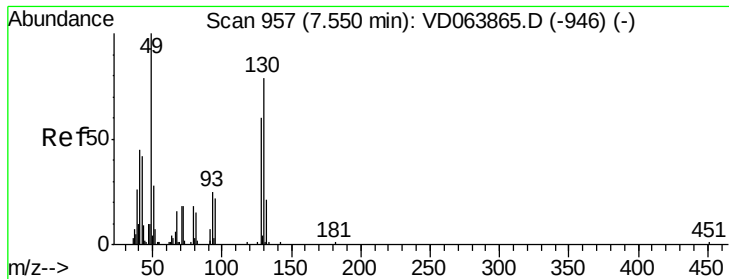


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#28

Bromochloromethane

Concen: 16.586 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampled :

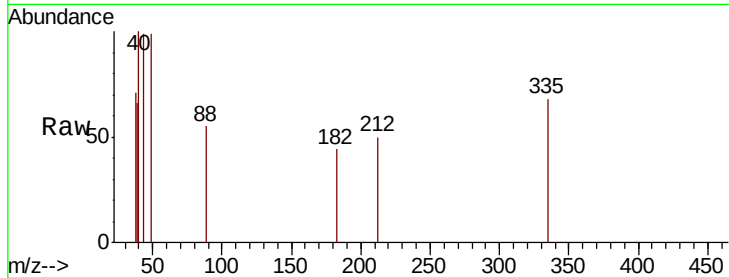
Tot Ion: 49 Resp: 219

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

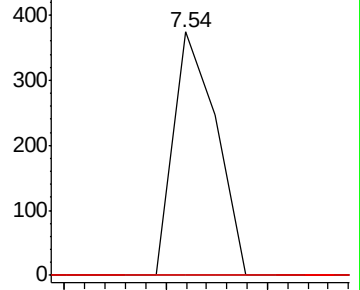
130 0.0 66.8 100.2#



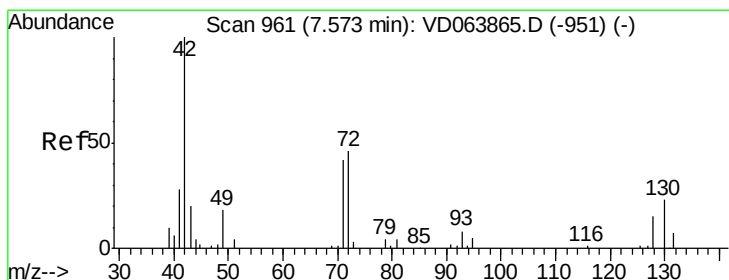
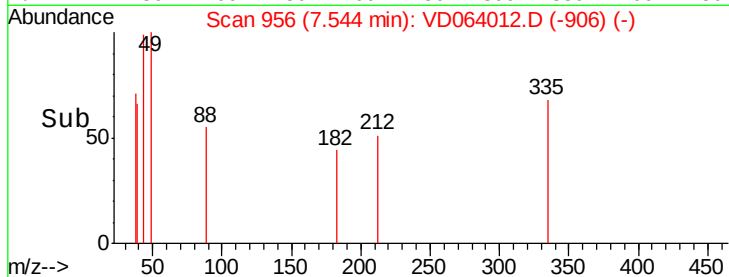
Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



Time-->



#29

Tetrahydrofuran

Concen: 38.748 ug/l

RT: 7.59 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

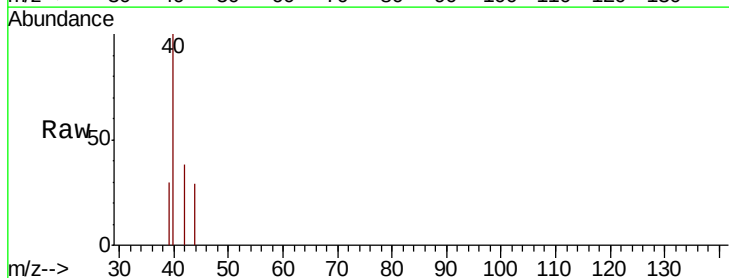
Tgt Ion: 42 Resp: 146

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

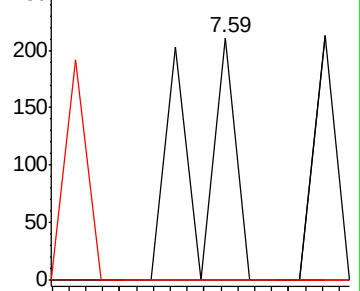
71 0.0 35.0 52.6#



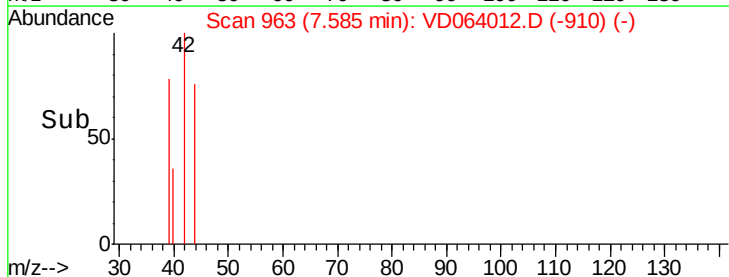
Abundance Ion 42.00 (41.70 to 42.70): VDC

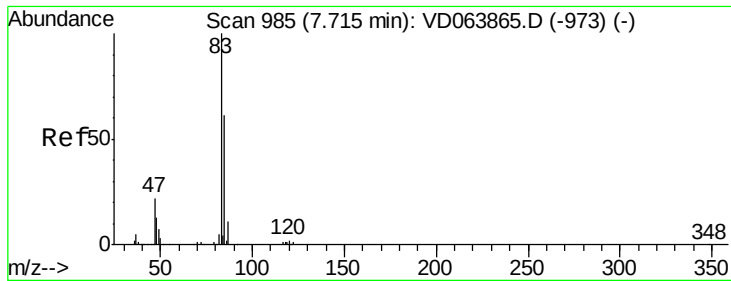
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



Time-->





#30

Chloroform

Concen: 1.320 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

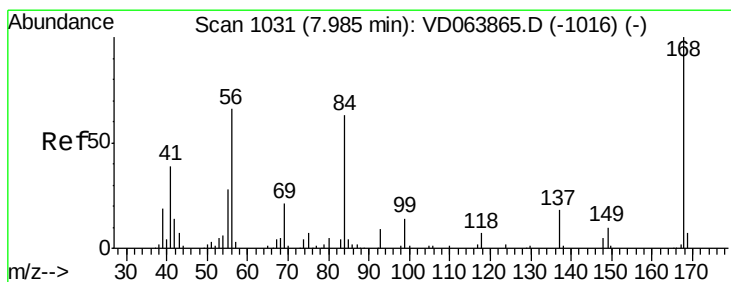
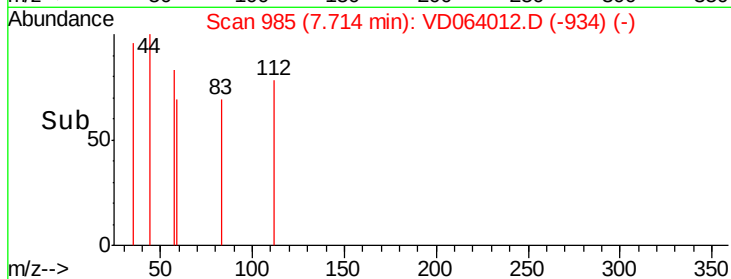
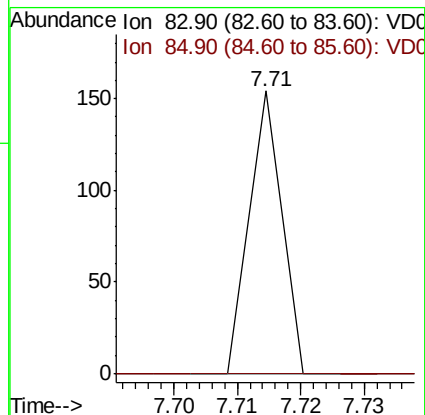
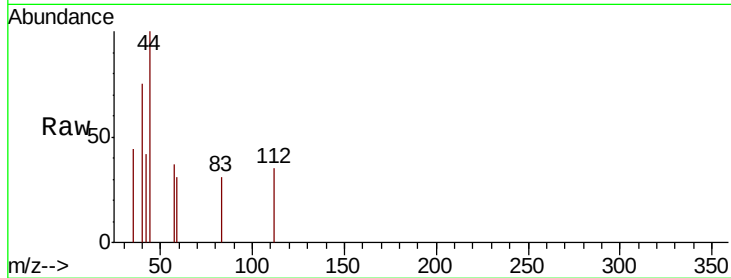
ClientSampleId :

Tot Ion: 83 Resp: 54

Ion Ratio Lower Upper

83 100

85 0.0 48.9 73.3#



#31

Cyclohexane

Concen: Below Cal

RT: 8.04 min Scan# 1041

Delta R.T. 0.06 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

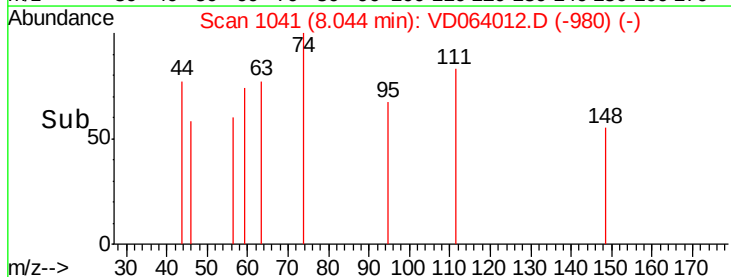
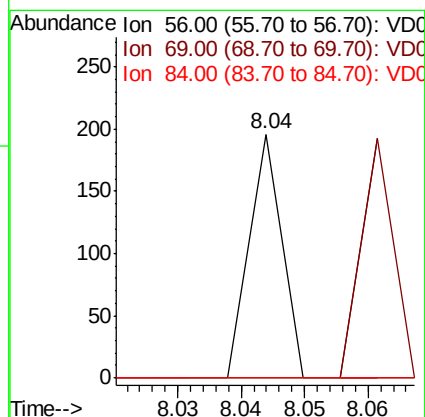
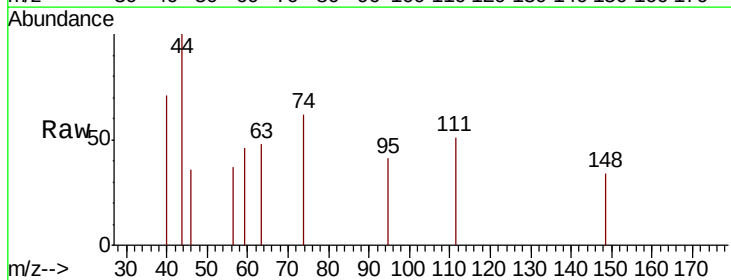
Tgt Ion: 56 Resp: 69

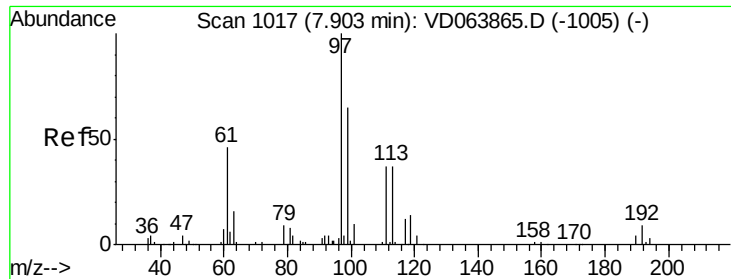
Ion Ratio Lower Upper

56 100

69 0.0 25.0 37.4#

84 0.0 76.3 114.5#





#32

1,1,1-Trichloroethane

Concen: 1.510 ug/l

RT: 7.79 min Scan# 997

Delta R.T. -0.12 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

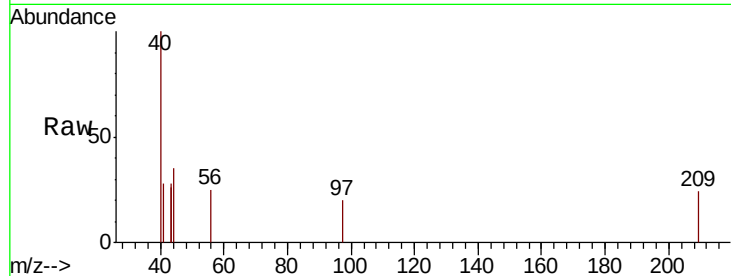
Tot Ion: 97 Resp: 53

Ion Ratio Lower Upper

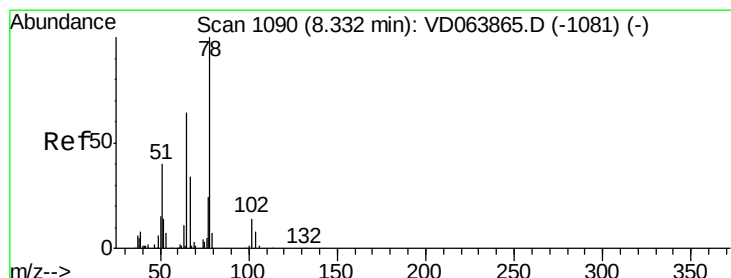
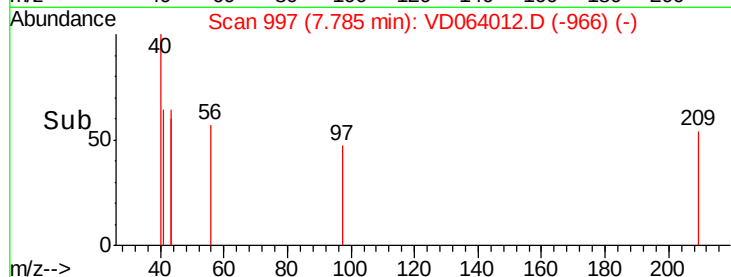
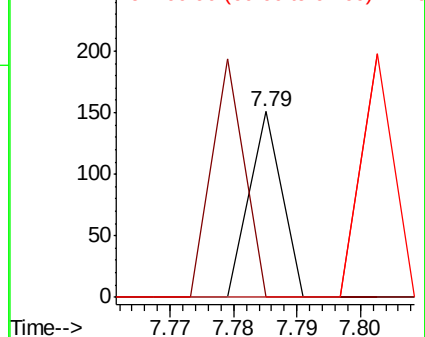
97 100

99 128.3 52.4 78.6#

61 0.0 33.8 50.8#



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



#33

1,2-Dichloroethane-d4

Concen: 42.300 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD064012.D

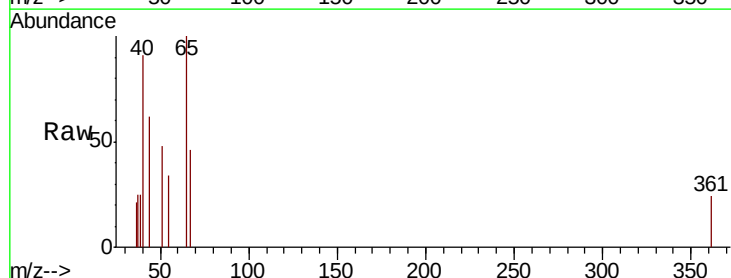
Acq: 18 Oct 2019 15:53

Tgt Ion: 65 Resp: 885

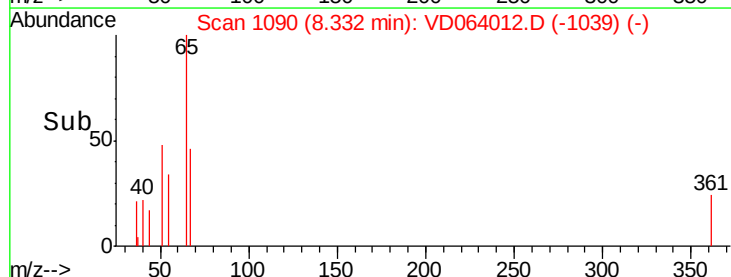
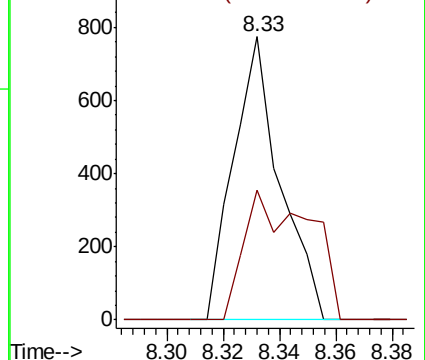
Ion Ratio Lower Upper

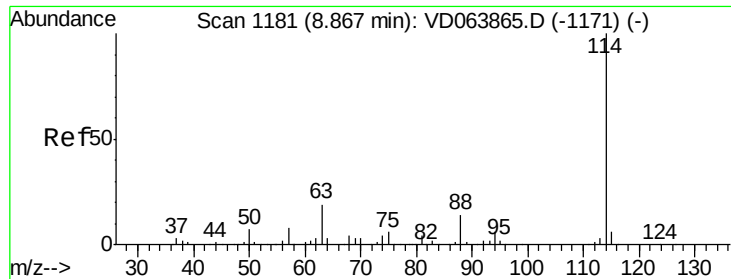
65 100

67 63.7 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

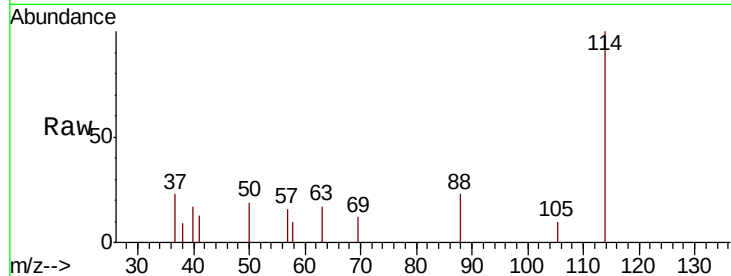




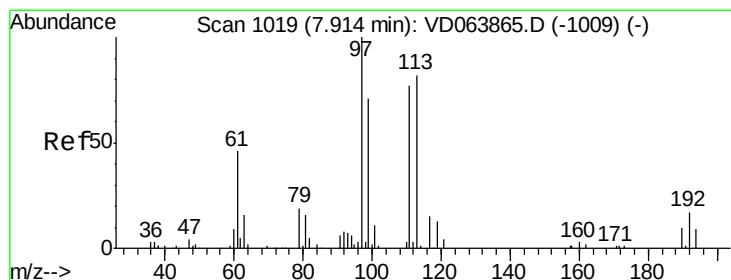
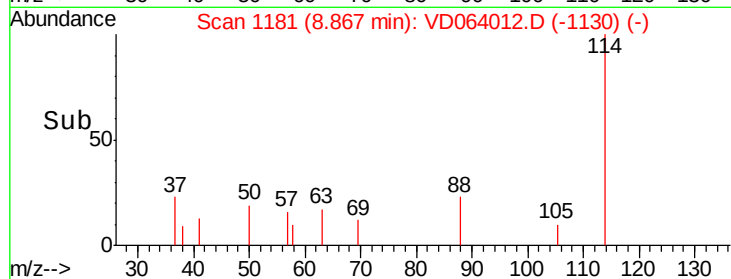
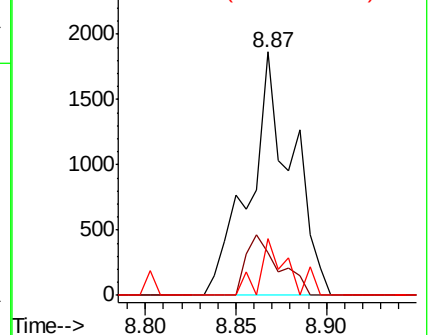
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 3033
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 38.4
 88 23.0 0.0 27.4

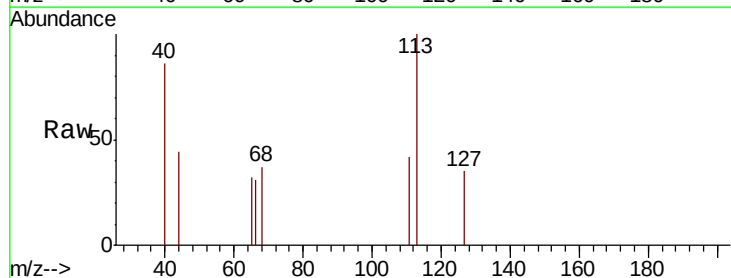


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

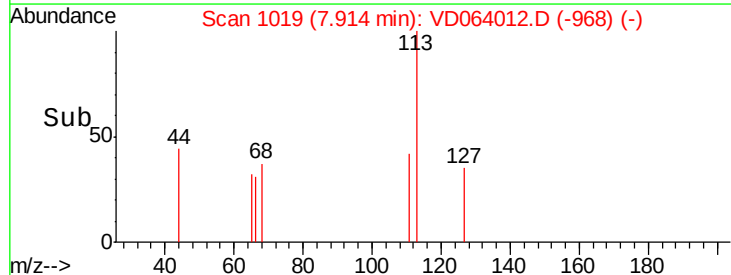
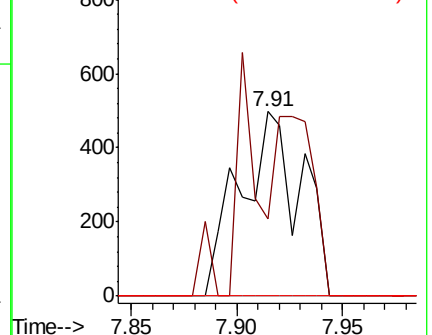


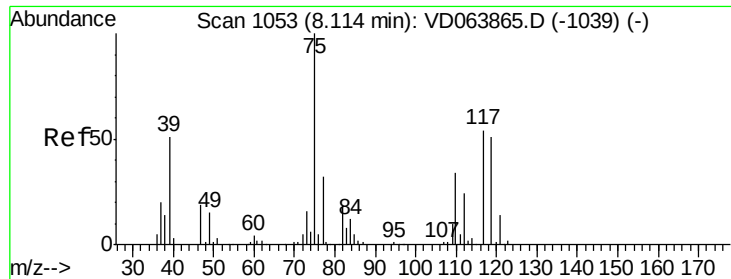
#35
 Dibromofluoromethane
 Concen: 54.058 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Tgt Ion:113 Resp: 1002
 Ion Ratio Lower Upper
 113 100
 111 61.1 82.6 123.8#
 192 0.0 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

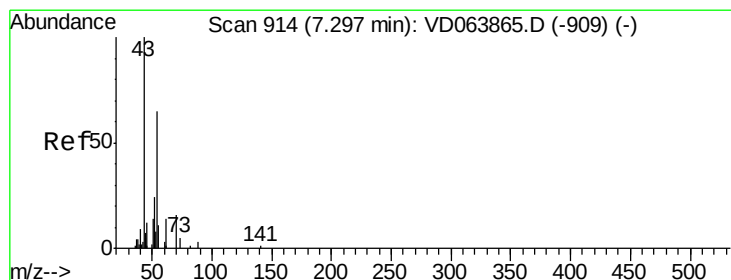
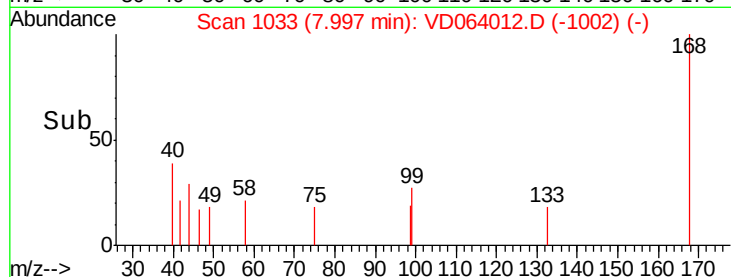
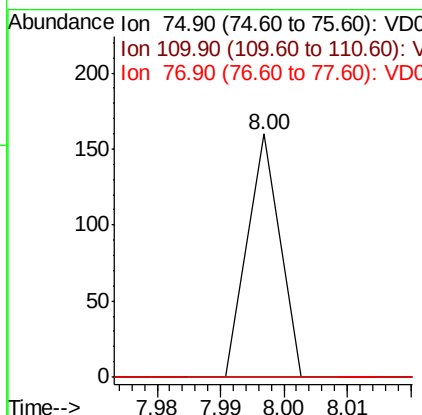
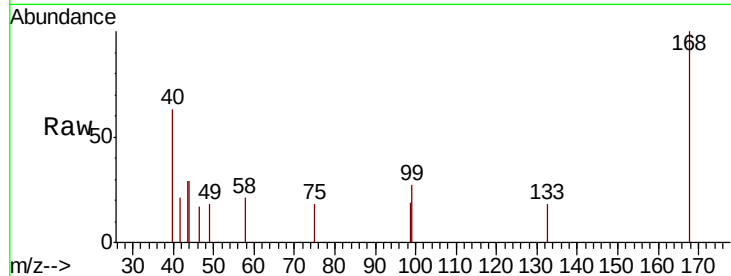




#36
 1,1-Dichloropropene
 Concen: 2.019 ug/l
 RT: 8.00 min Scan# 1033
 Delta R.T. -0.12 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

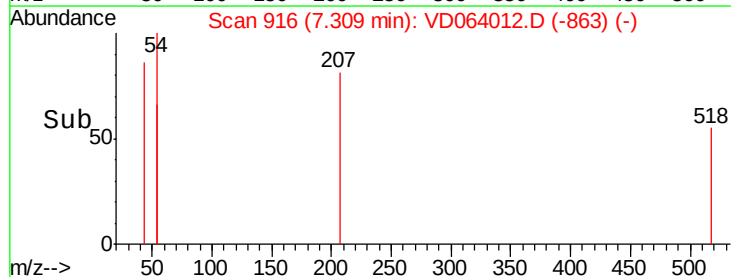
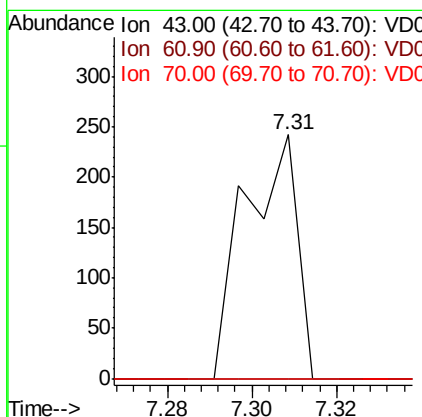
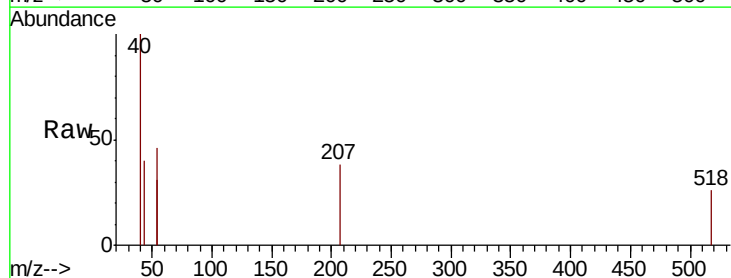
Instrument :
 MSVOA_D
 ClientSampleId :

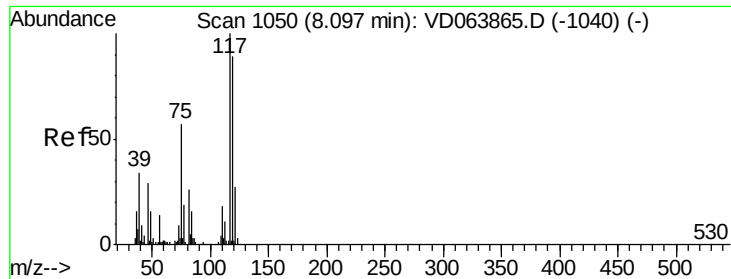
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.4	52.3#
77	0.0	25.4	38.0#



#37
 Ethyl Acetate
 Concen: 16.090 ug/l
 RT: 7.31 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	8.2	12.4#





#38

Carbon Tetrachloride

Concen: 4.996 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

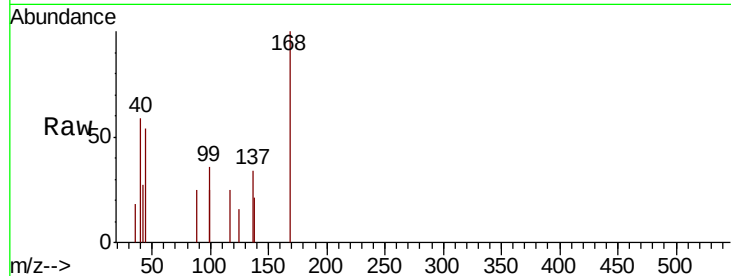
Tot Ion:117 Resp: 140

Ion Ratio Lower Upper

117 100

119 0.0 70.8 106.2#

121 0.0 21.4 32.0#



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

7.99

250

200

150

100

50

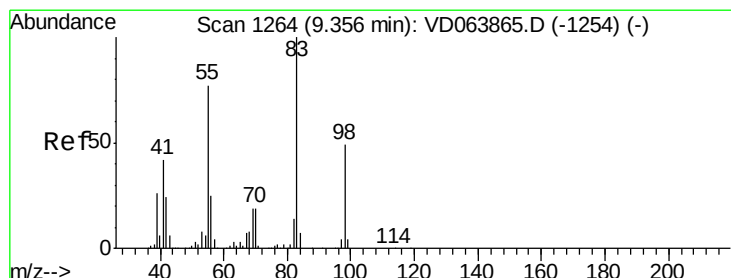
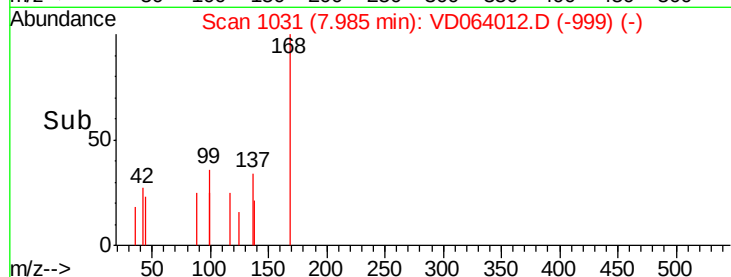
0

7.96

7.98

8.00

Time-->



#39

Methylcyclohexane

Concen: 2.346 ug/l

RT: 9.42 min Scan# 1275

Delta R.T. 0.06 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

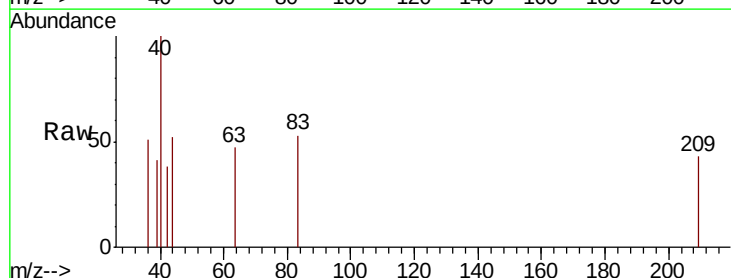
Tgt Ion: 83 Resp: 80

Ion Ratio Lower Upper

83 100

55 0.0 61.3 91.9#

98 0.0 39.3 58.9#



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC

9.42

250

200

150

100

50

0

9.40

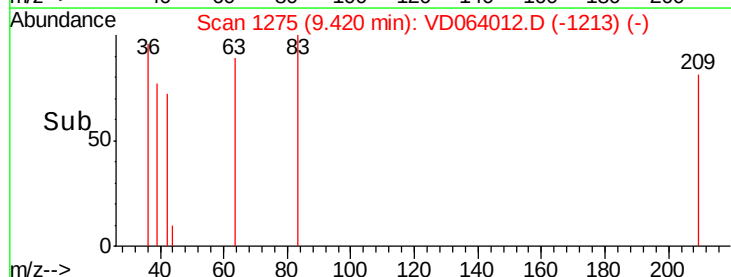
9.41

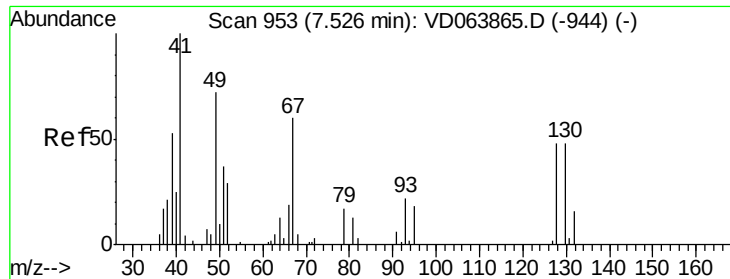
9.42

9.43

9.44

Time-->





#41

Methacrylonitrile

Concen: 8.554 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 55

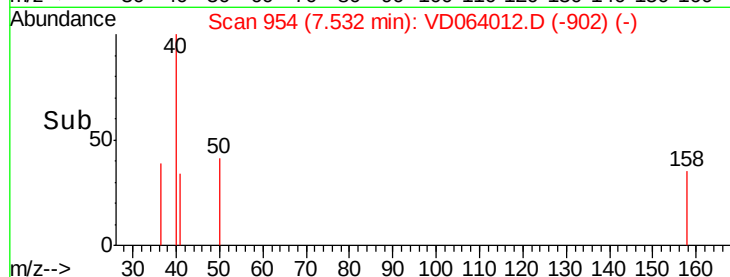
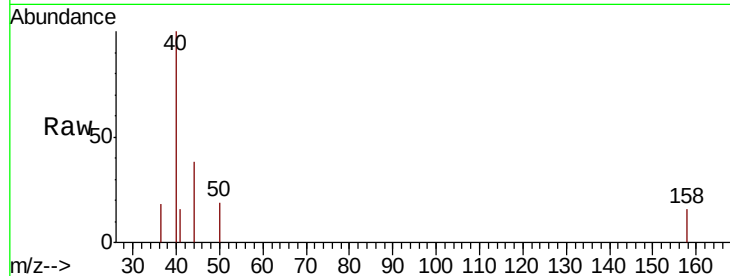
Ion Ratio Lower Upper

41 100

39 160.0 52.6 78.8#

67 0.0 74.2 111.2#

52 0.0 34.0 51.0#

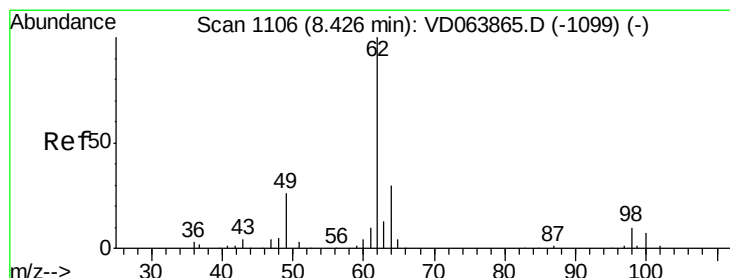
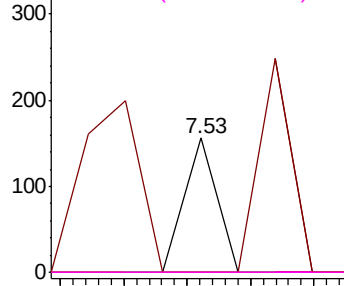


Abundance Ion 41.00 (40.70 to 41.70): VDC

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



#42

1,2-Dichloroethane

Concen: 3.741 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.04 min

Lab File: VD064012.D

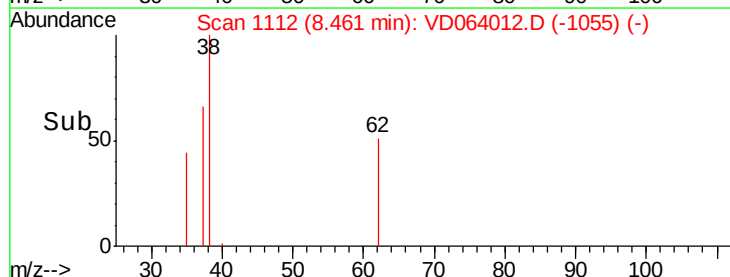
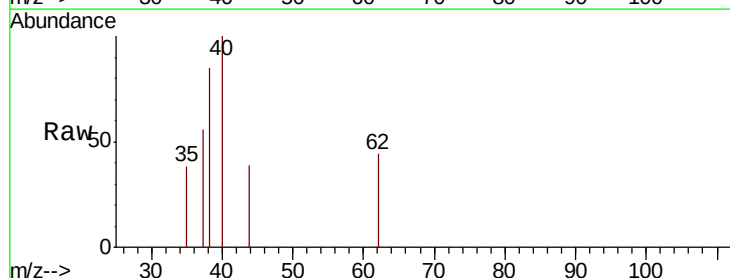
Acq: 18 Oct 2019 15:53

Tgt Ion: 62 Resp: 86

Ion Ratio Lower Upper

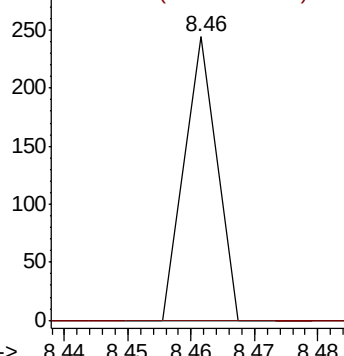
62 100

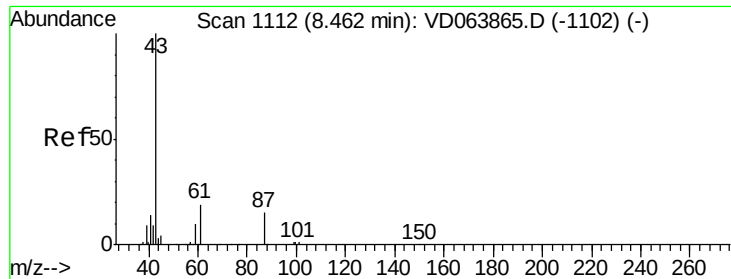
98 0.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 2.580 ug/l

RT: 8.47 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampled :

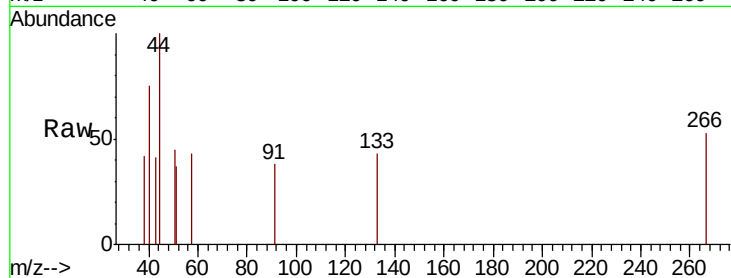
Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

61 0.0 25.7 38.5#

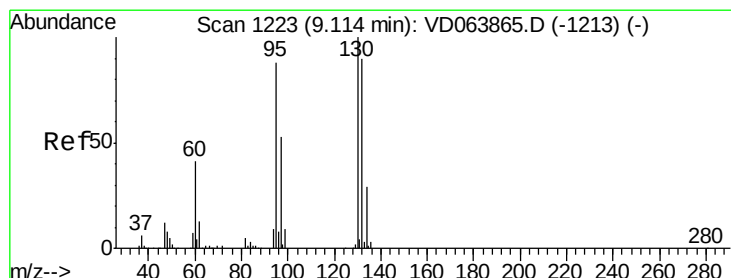
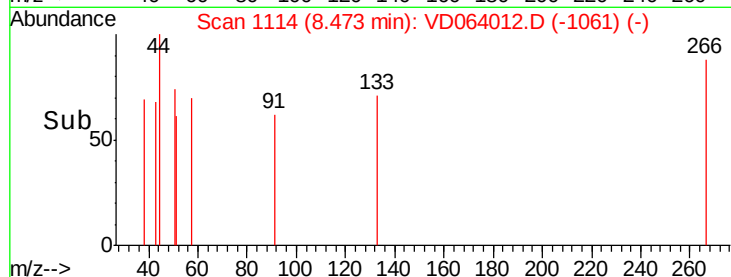
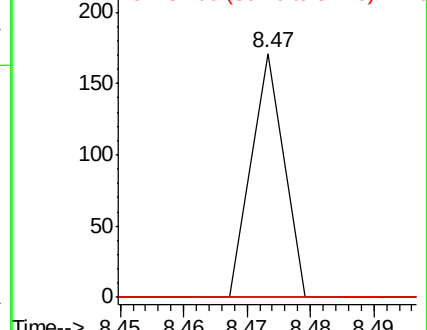
87 0.0 11.6 17.4#



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



#44

Trichloroethene

Concen: 2.356 ug/l

RT: 8.91 min Scan# 1188

Delta R.T. -0.21 min

Lab File: VD064012.D

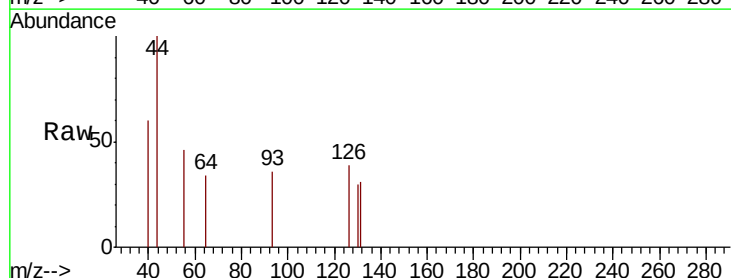
Acq: 18 Oct 2019 15:53

Tgt Ion: 130 Resp: 54

Ion Ratio Lower Upper

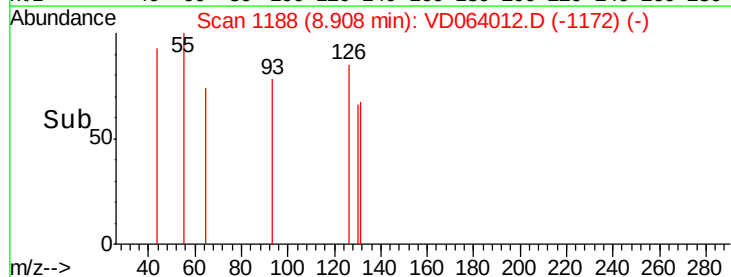
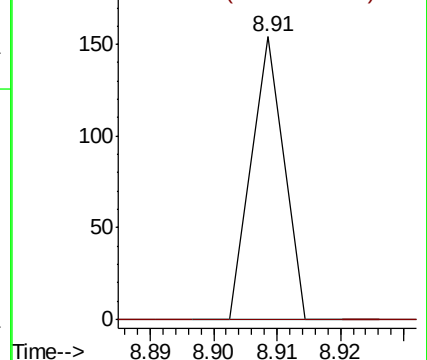
130 100

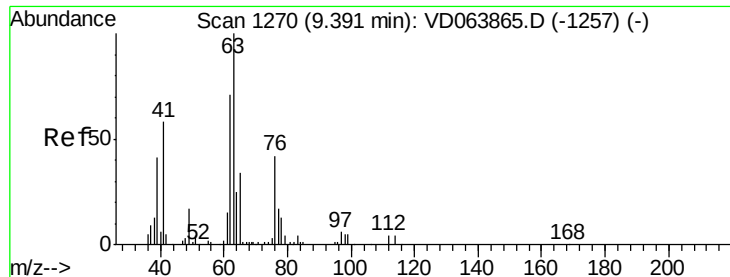
95 0.0 0.0 175.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 3.650 ug/l

RT: 9.42 min Scan# 1275

Delta R.T. 0.03 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

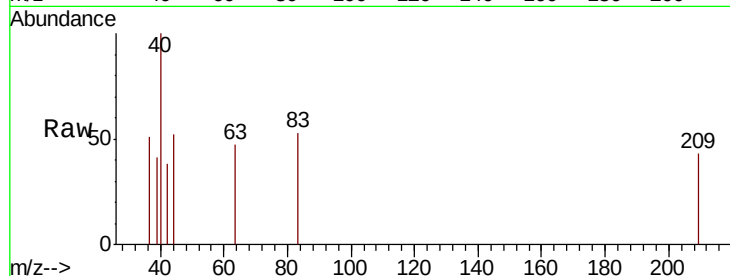
ClientSampled :

Tot Ion: 63 Resp: 71

Ion Ratio Lower Upper

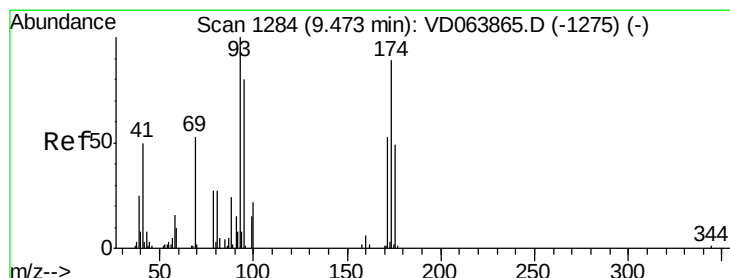
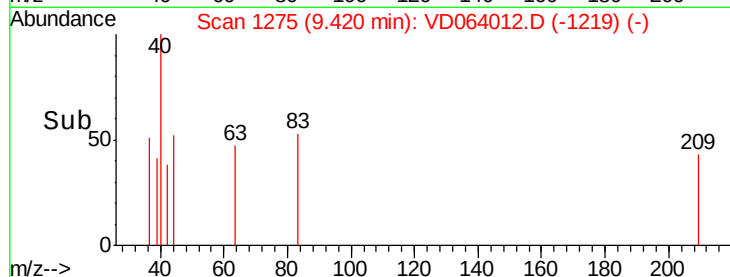
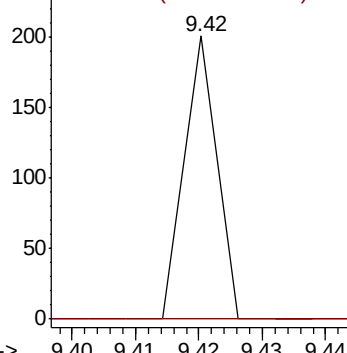
63 100

65 0.0 27.3 40.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.236 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.09 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

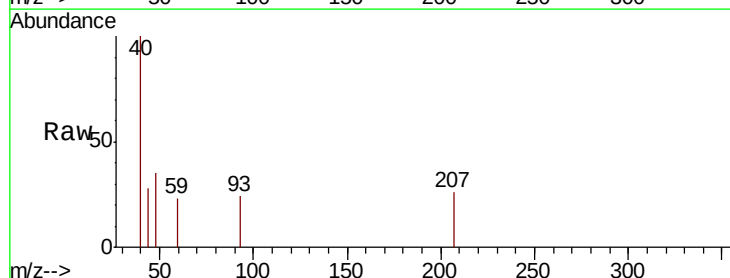
Tgt Ion: 93 Resp: 58

Ion Ratio Lower Upper

93 100

95 0.0 66.0 99.0#

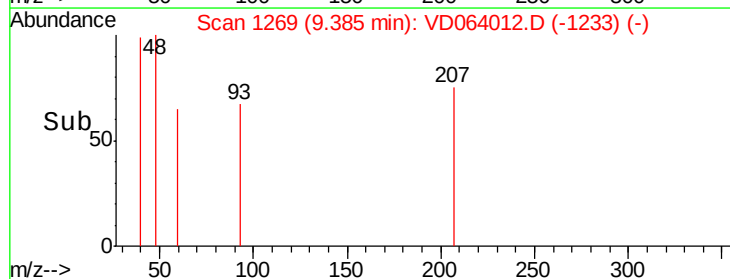
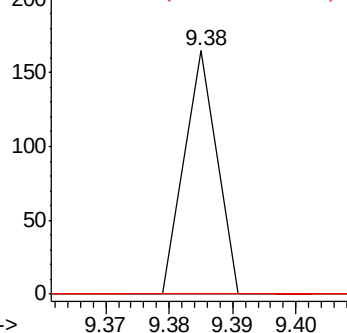
174 0.0 83.4 125.0#

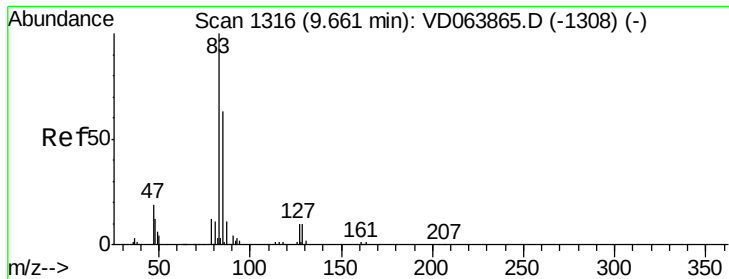


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.069 ug/l

RT: 9.51 min Scan# 1290

Delta R.T. -0.15 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

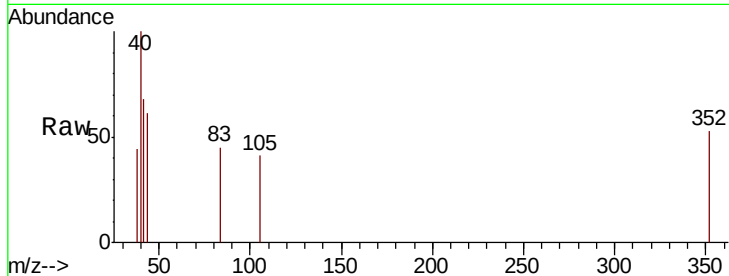
Tot Ion: 83 Resp: 59

Ion Ratio Lower Upper

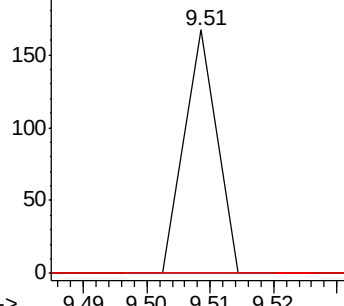
83 100

85 0.0 50.2 75.2#

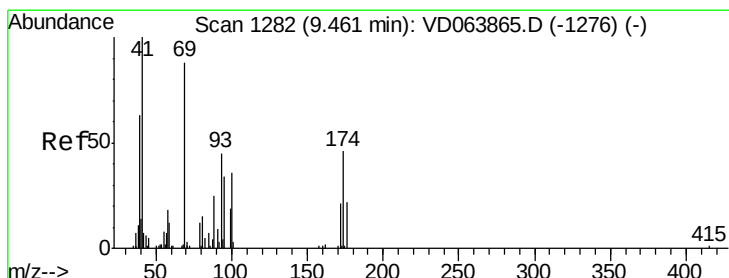
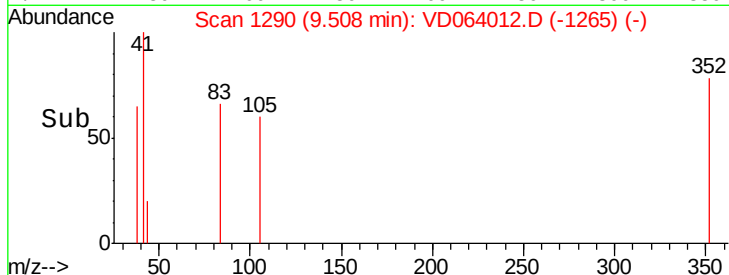
127 0.0 7.6 11.4#



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



Time-->



#48

Methyl methacrylate

Concen: 6.282 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

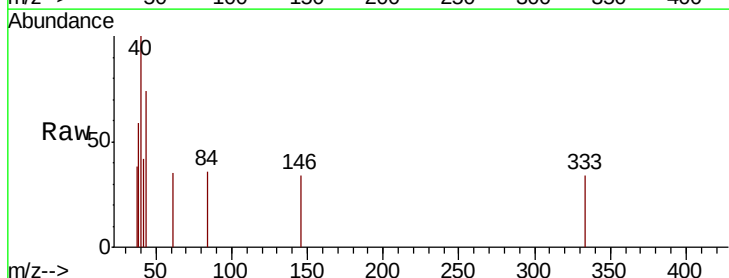
Tgt Ion: 41 Resp: 70

Ion Ratio Lower Upper

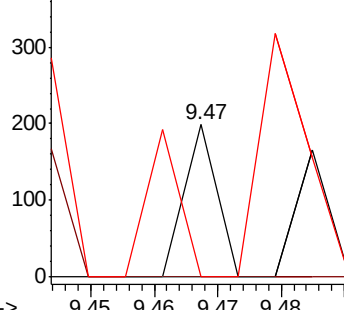
41 100

69 0.0 75.1 112.7#

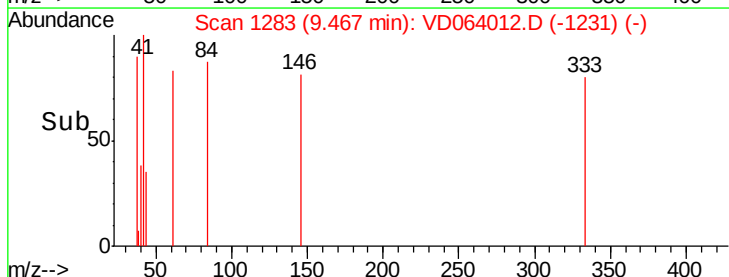
39 97.1 50.2 75.2#

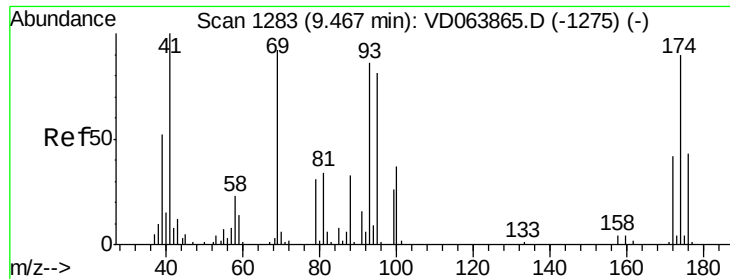


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC



Time-->





#49

1,4-Dioxane

Concen: 363.727 ug/l

RT: 9.19 min Scan# 1236

Delta R.T. -0.28 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

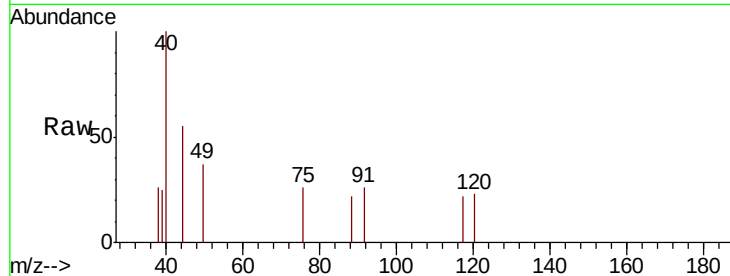
Tot Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 134.5 27.6 41.4#

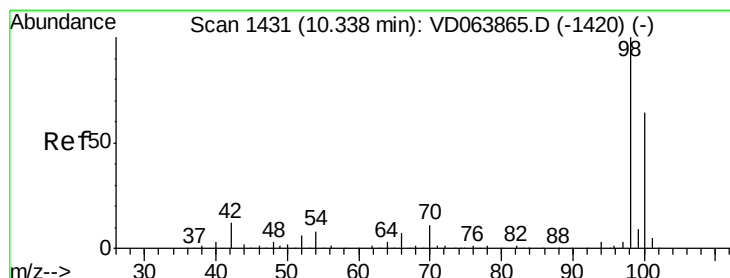
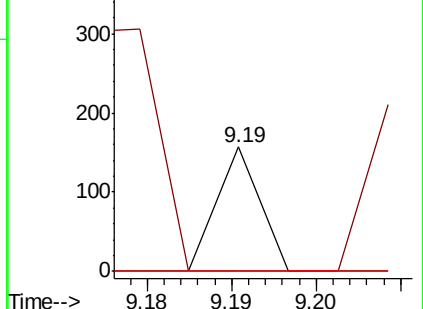
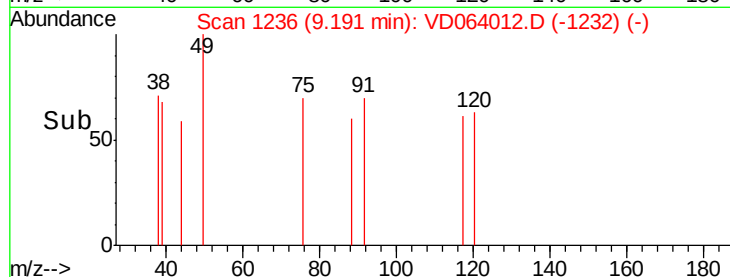
58 0.0 54.1 81.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 43.598 ug/l

RT: 10.35 min Scan# 1433

Delta R.T. 0.01 min

Lab File: VD064012.D

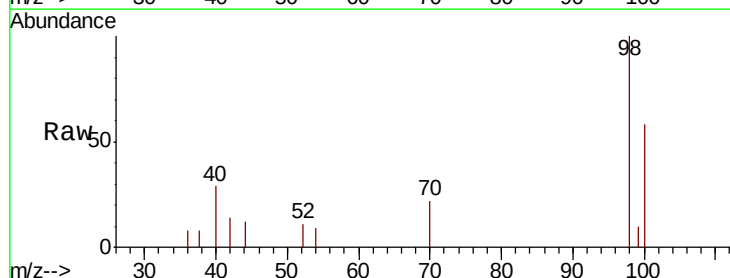
Acq: 18 Oct 2019 15:53

Tgt Ion: 98 Resp: 3280

Ion Ratio Lower Upper

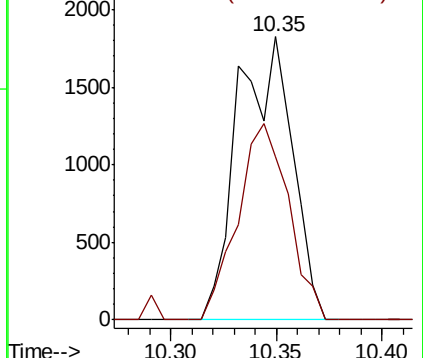
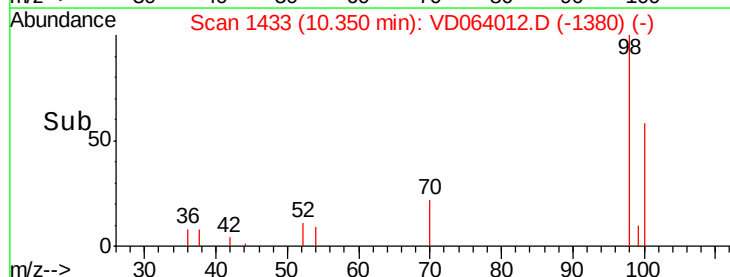
98 100

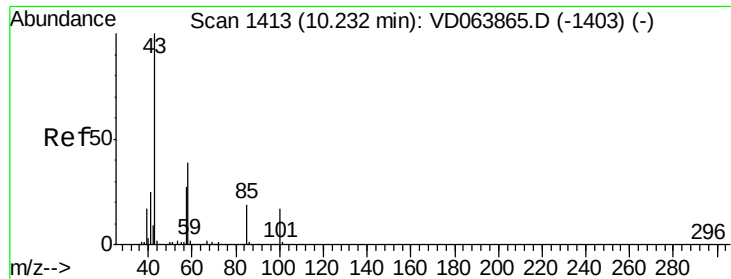
100 64.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

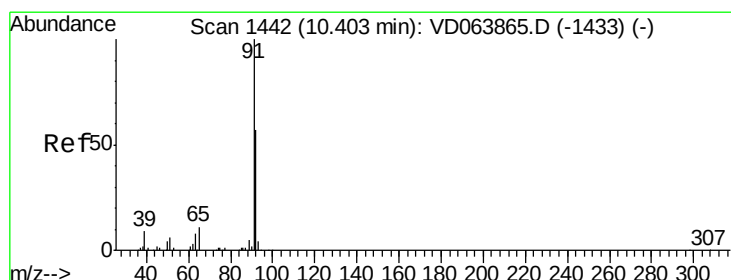
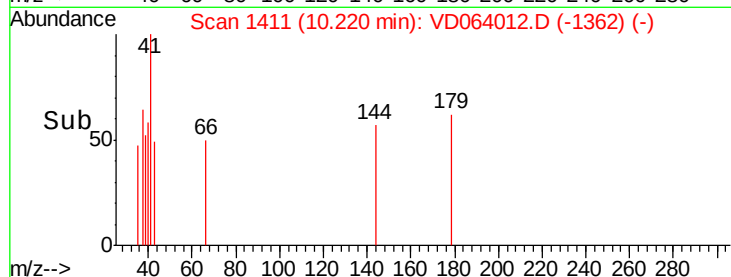
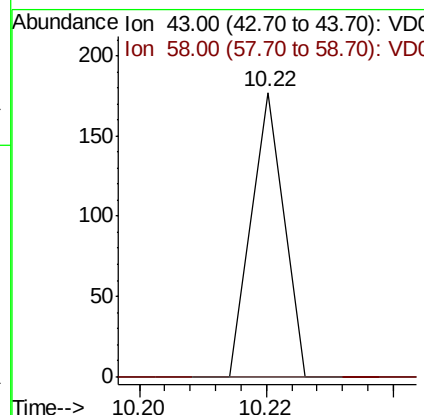
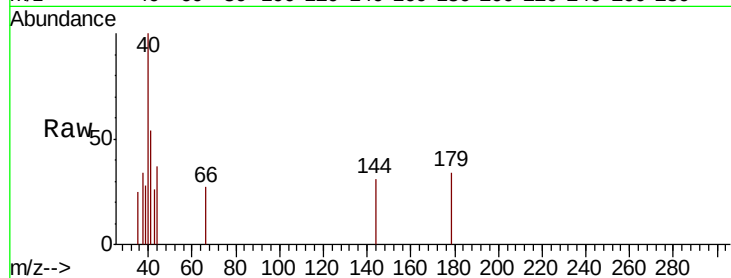




#51
4-Methyl-2-Pentanone
Concen: 5.140 ug/l
RT: 10.22 min Scan# 1411
Delta R.T. -0.01 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

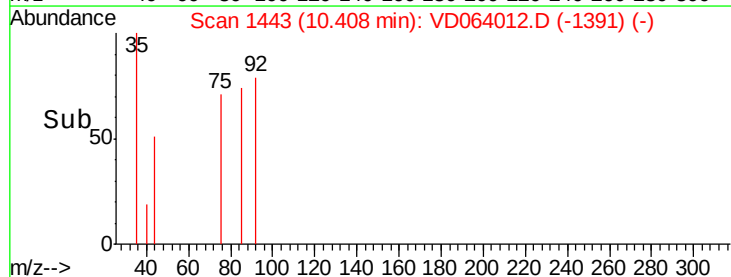
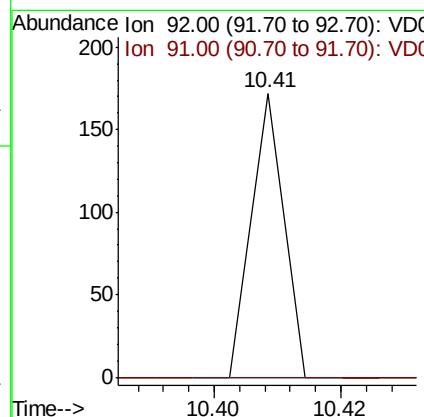
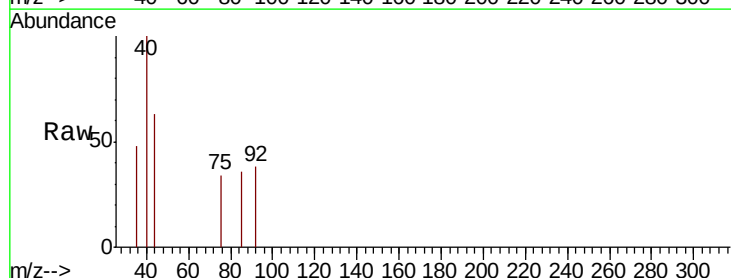
Instrument :
MSVOA_D
ClientSampled :

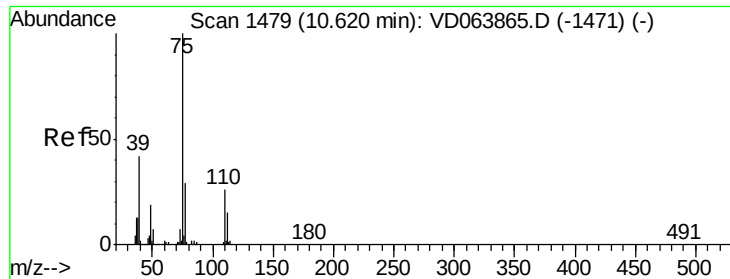
Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 33.0 49.4#



#52
Toluene
Concen: 1.118 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion: 92 Resp: 61
Ion Ratio Lower Upper
92 100
91 0.0 139.5 209.3#





#53

t-1,3-Dichloropropene

Concen: 3.198 ug/l

RT: 10.57 min Scan# 1471

Delta R.T. -0.05 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

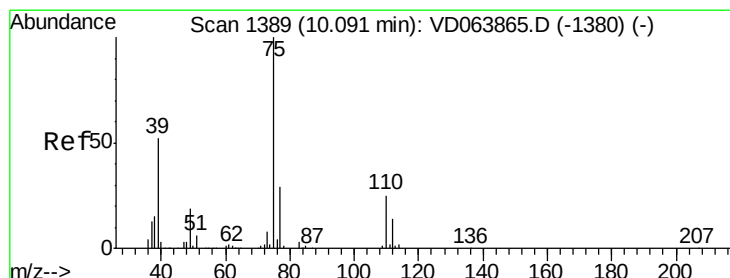
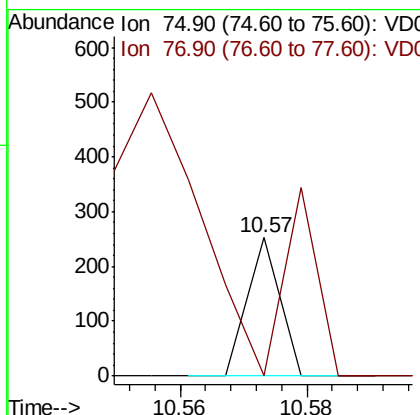
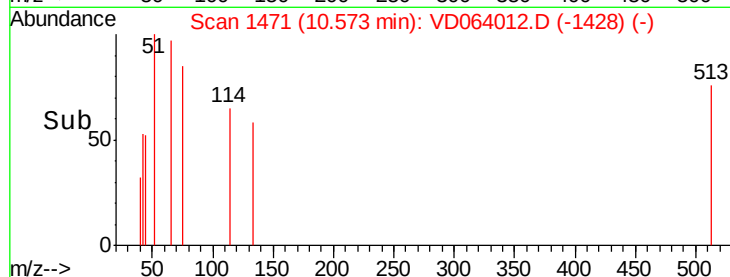
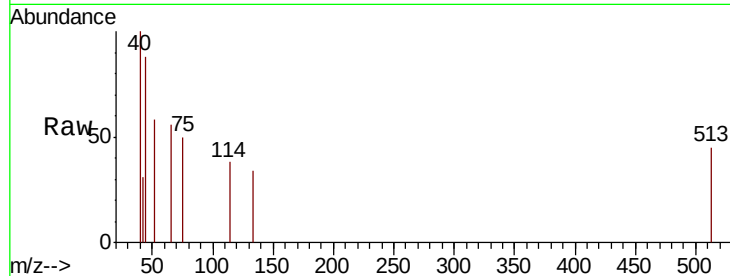
ClientSampleId :

Tot Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

77 0.0 22.8 34.2#



#54

cis-1,3-Dichloropropene

Concen: 2.310 ug/l

RT: 9.97 min Scan# 1368

Delta R.T. -0.12 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

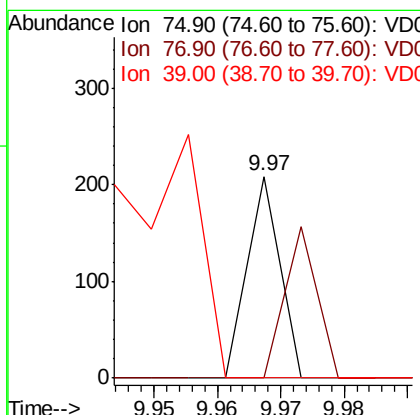
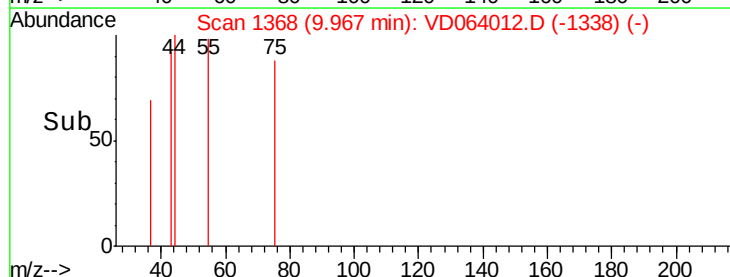
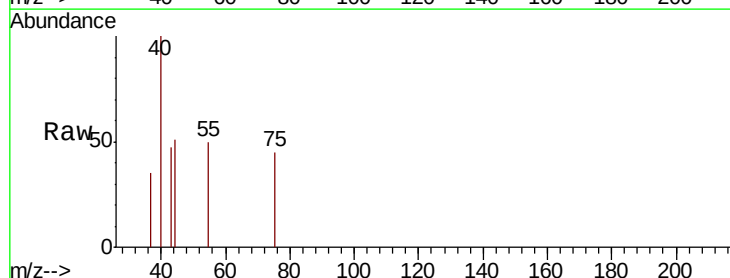
Tgt Ion: 75 Resp: 74

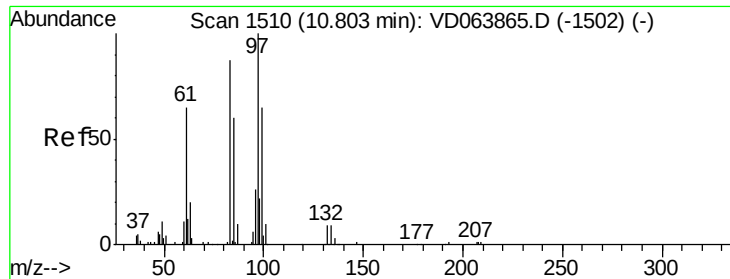
Ion Ratio Lower Upper

75 100

77 0.0 23.2 34.8#

39 0.0 41.5 62.3#

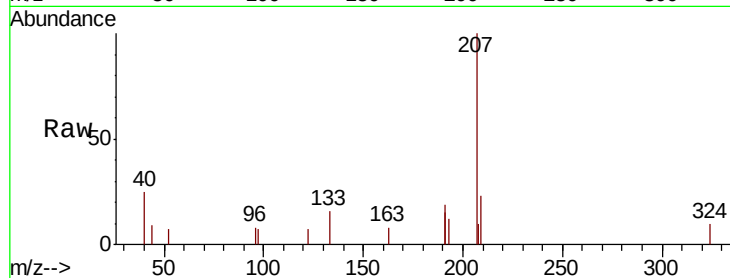




#55
 1,1,2-Trichloroethane
 Concen: 3.580 ug/l
 RT: 10.76 min Scan# 1502
 Delta R.T. -0.05 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.7	104.5#
85	0.0	48.1	72.1#
99	0.0	51.9	77.9#



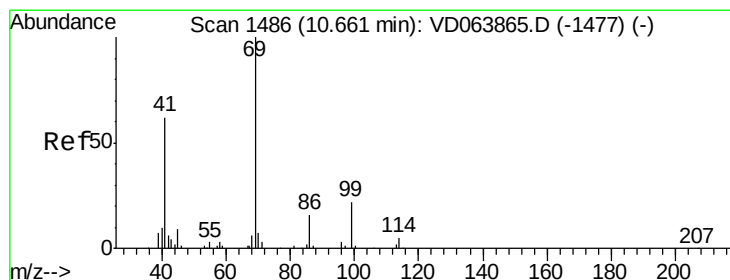
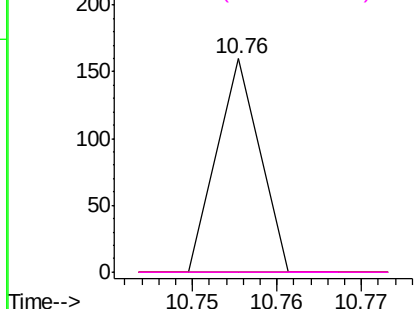
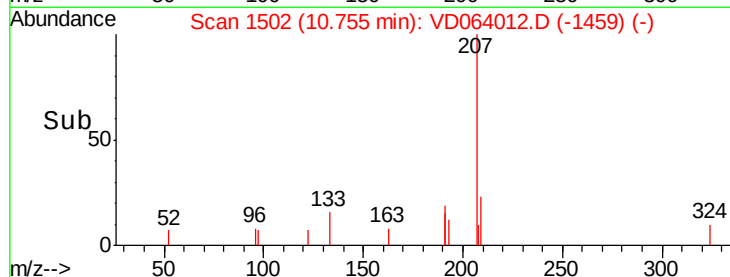
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

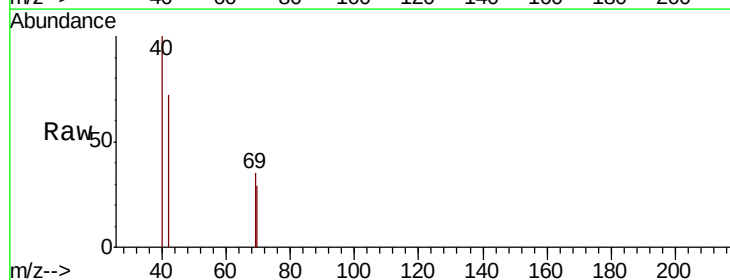
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 16.610 ug/l
 RT: 10.87 min Scan# 1521
 Delta R.T. 0.21 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	51.3	76.9#
39	36.2	28.0	42.0

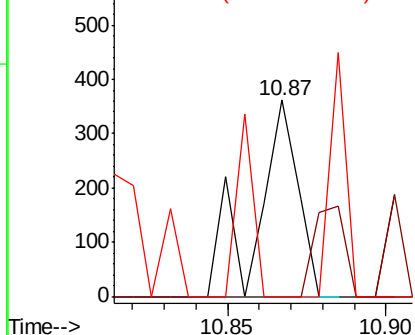
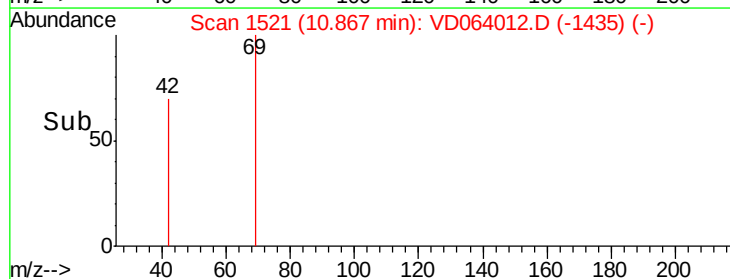


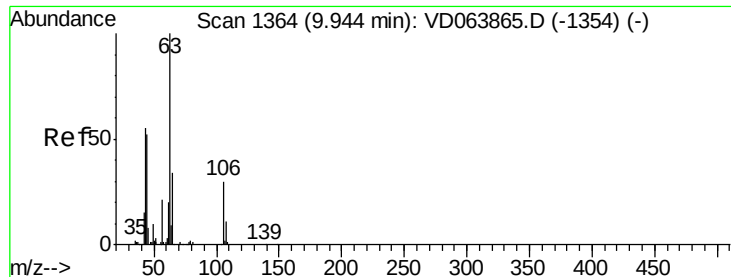
Abundance

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

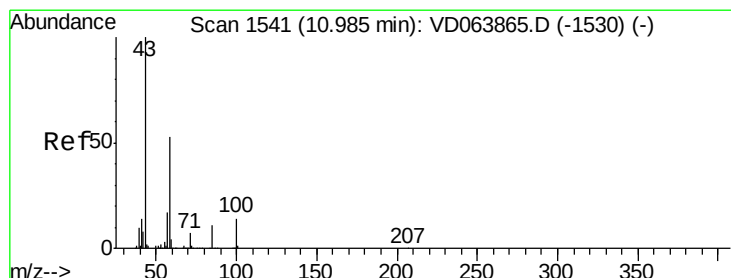
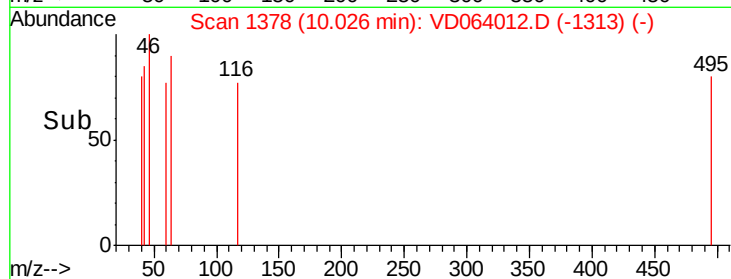
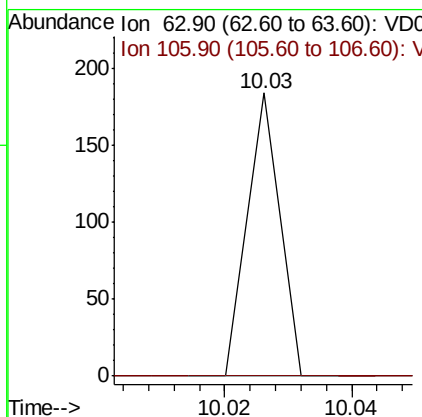
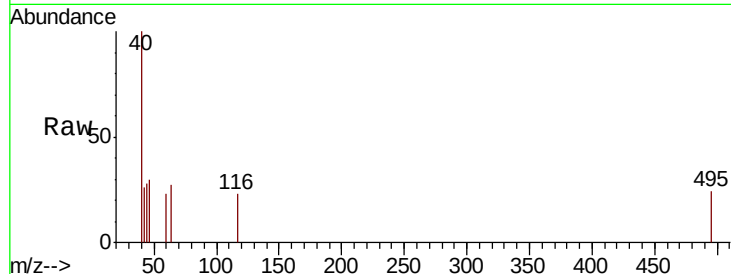




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.634 ug/l
 RT: 10.03 min Scan# 1378
 Delta R.T. 0.08 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

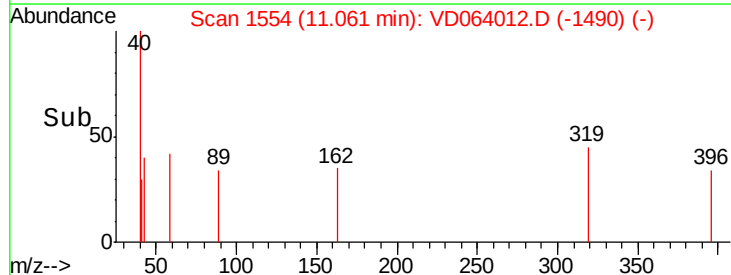
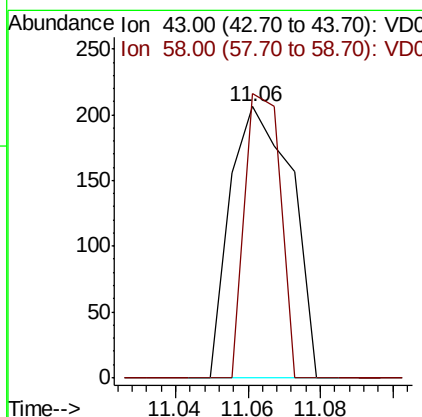
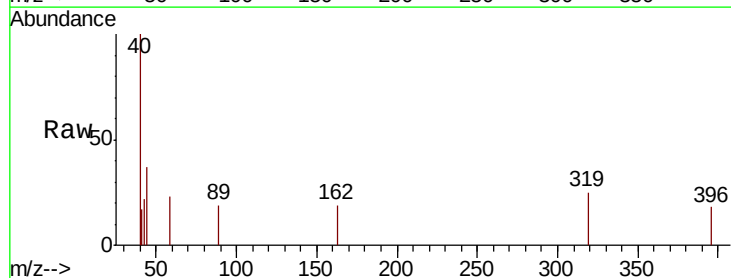
Instrument :
 MSVOA_D
 ClientSampled :

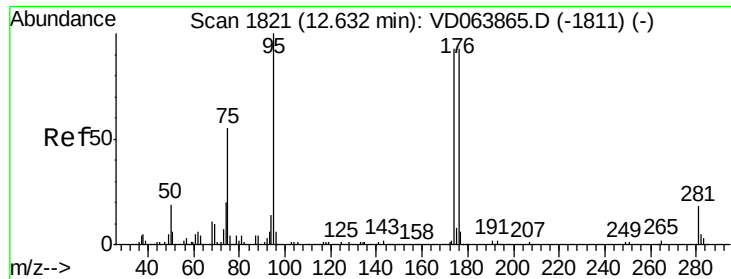
Tot Ion: 63 Resp: 65
 Ion Ratio Lower Upper
 63 100
 106 0.0 24.3 36.5#



#59
 2-Hexanone
 Concen: 28.081 ug/l
 RT: 11.06 min Scan# 1554
 Delta R.T. 0.08 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Tgt Ion: 43 Resp: 245
 Ion Ratio Lower Upper
 43 100
 58 60.8 27.7 83.0

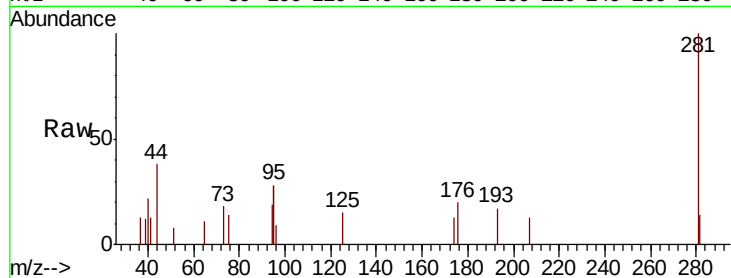




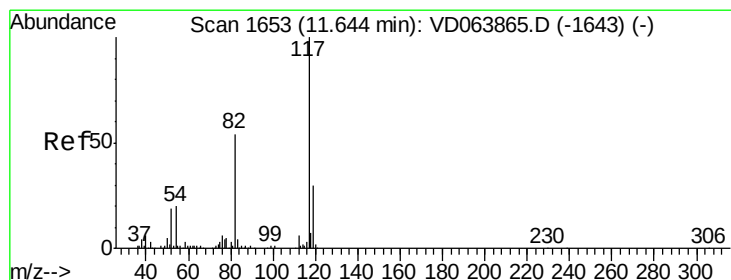
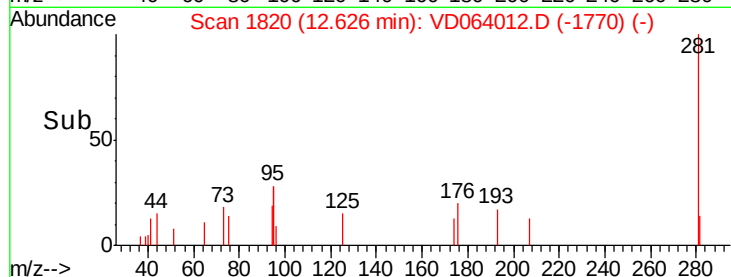
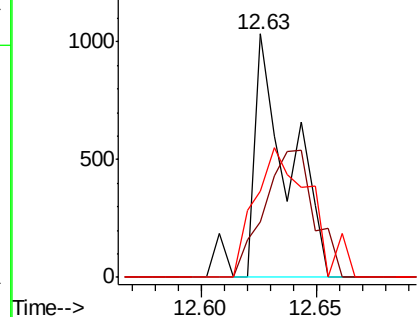
#62
4-Bromofluorobenzene
Concen: 41.961 ug/l
RT: 12.63 min Scan# 1820
Delta R.T. -0.01 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	186.4
176	83.4	0.0	184.2

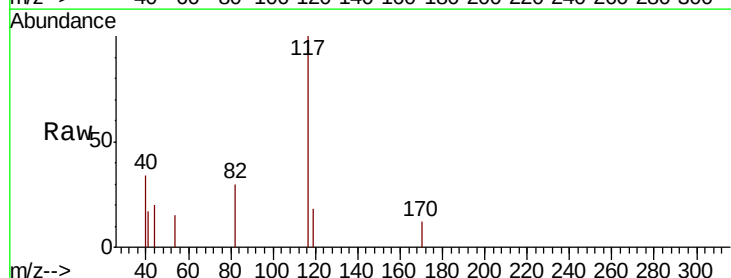


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

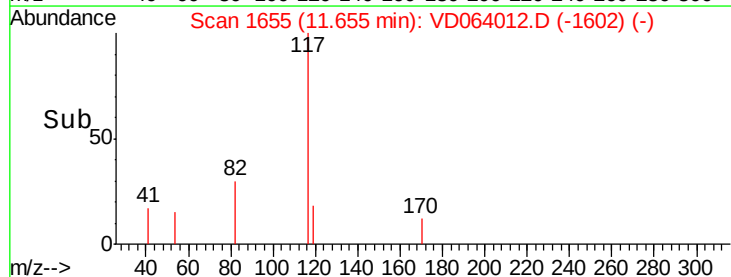
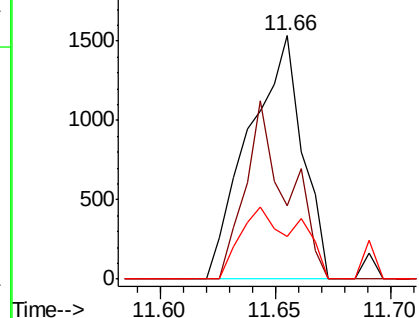


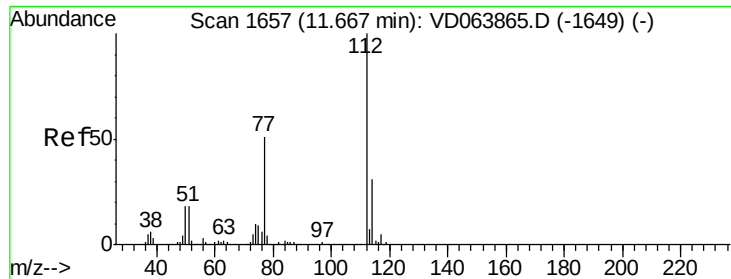
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	30.1	42.8	64.2#
119	17.7	24.4	36.6#



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

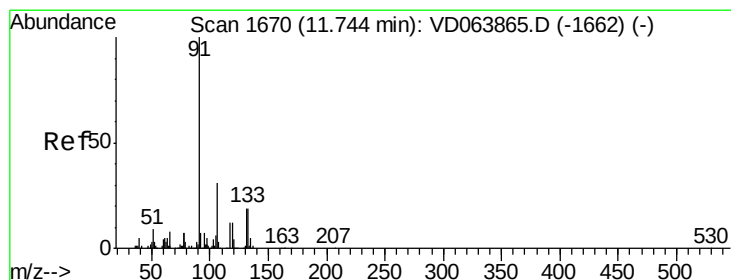
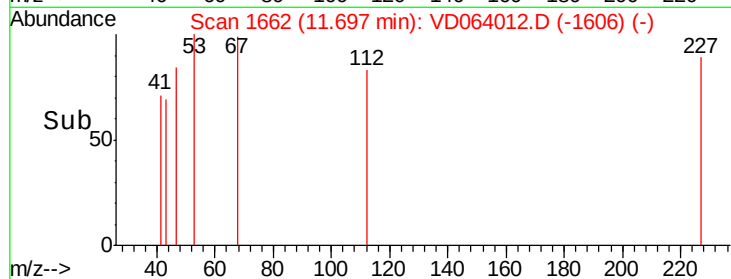
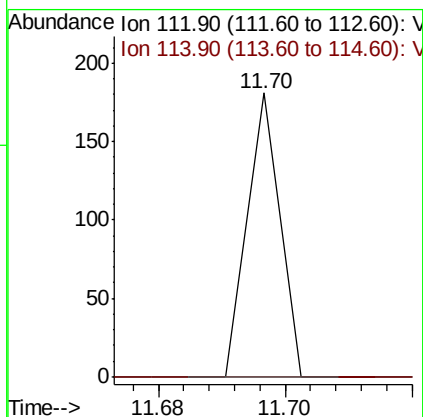
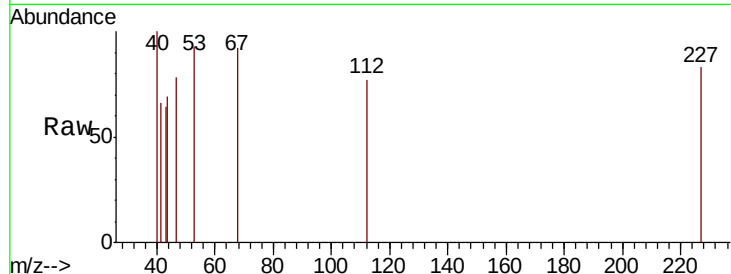




#65
Chlorobenzene
Concen: 1.288 ug/l
RT: 11.70 min Scan# 1662
Delta R.T. 0.03 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

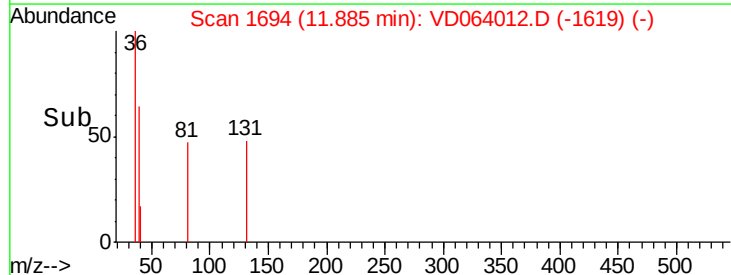
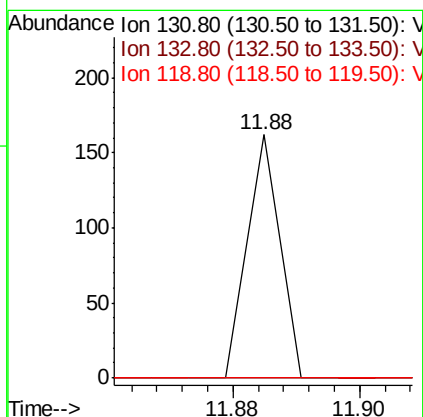
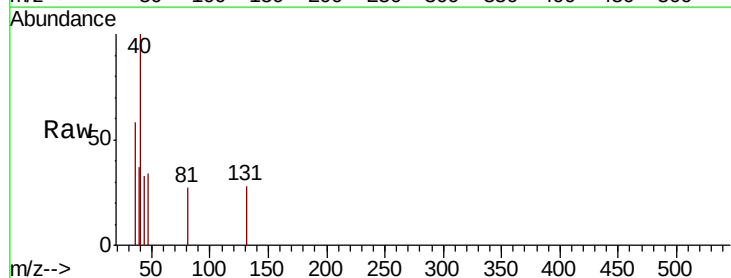
Instrument :
MSVOA_D
ClientSampleId :

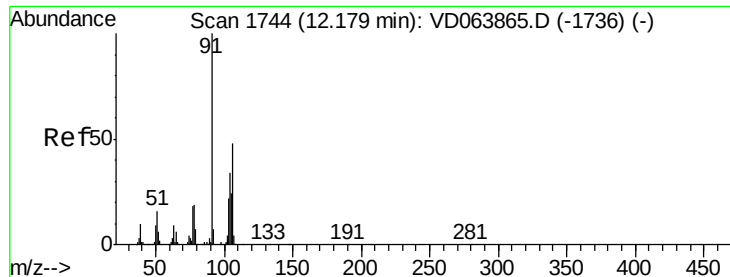
Tot Ion:112 Resp: 64
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#66
1,1,1,2-Tetrachloroethane
Concen: 3.112 ug/l
RT: 11.88 min Scan# 1694
Delta R.T. 0.14 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion:131 Resp: 57
Ion Ratio Lower Upper
131 100
133 0.0 48.9 146.7#
119 0.0 32.6 97.8#

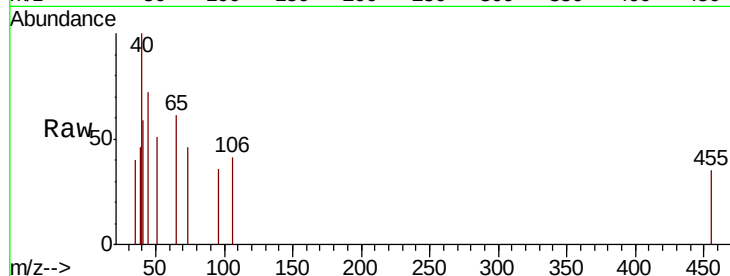




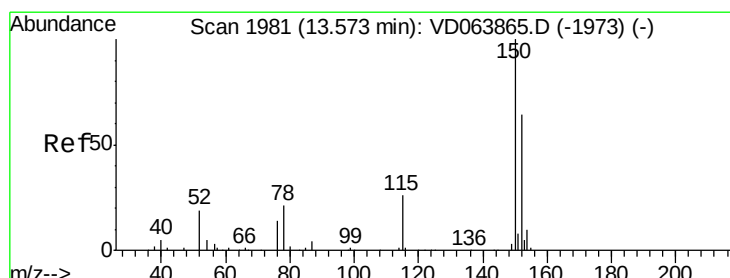
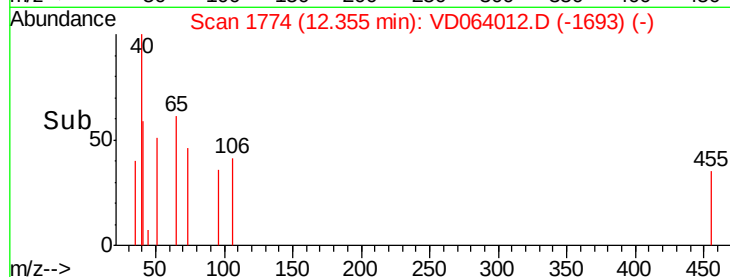
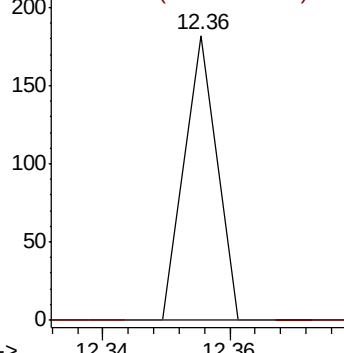
#69
o-Xylene
Concen: 1.932 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. 0.18 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 64
Ion Ratio Lower Upper
106 100
91 0.0 103.9 311.7#

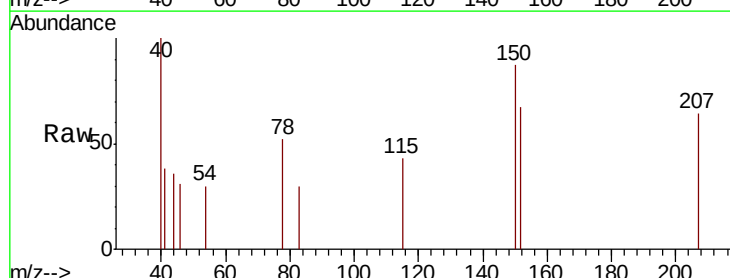


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

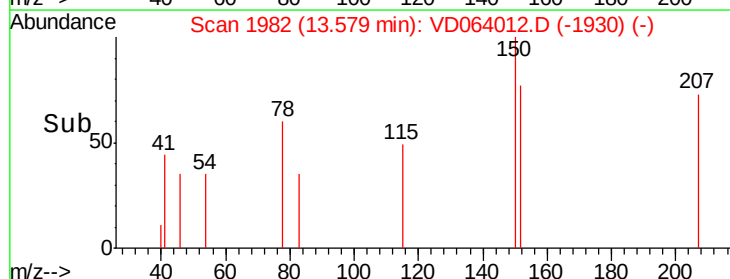
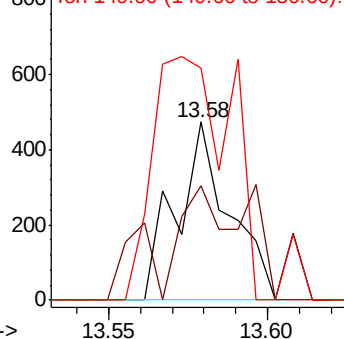


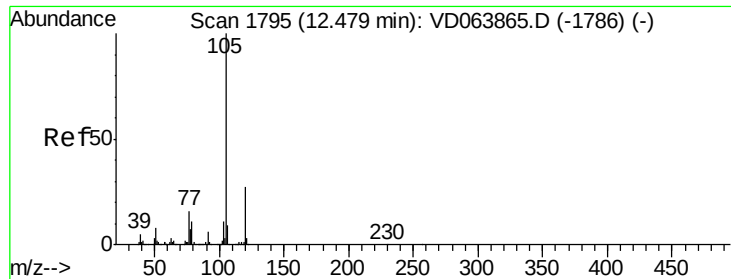
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion:152 Resp: 546
Ion Ratio Lower Upper
152 100
115 23.4 25.9 77.7#
150 200.7 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





#73

Isopropylbenzene

Concen: 1.934 ug/l

RT: 12.59 min Scan# 1814

Delta R.T. 0.11 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

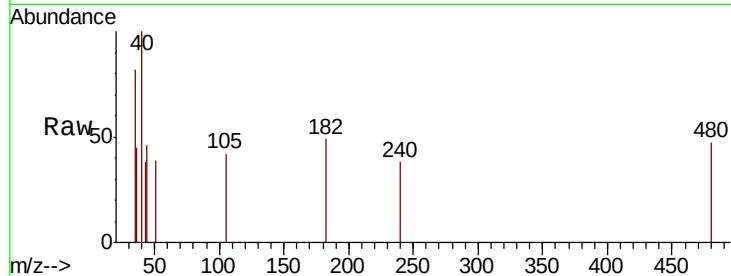
ClientSampleId :

Tot Ion: 105 Resp: 71

Ion Ratio Lower Upper

105 100

120 0.0 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.59

200

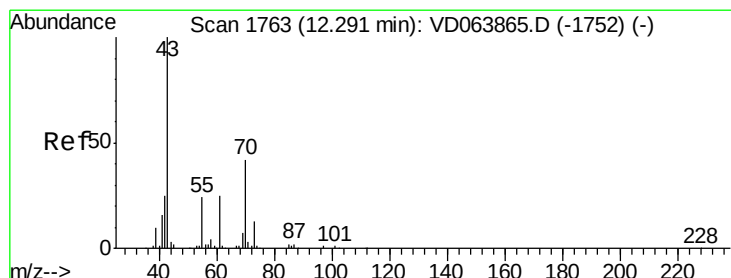
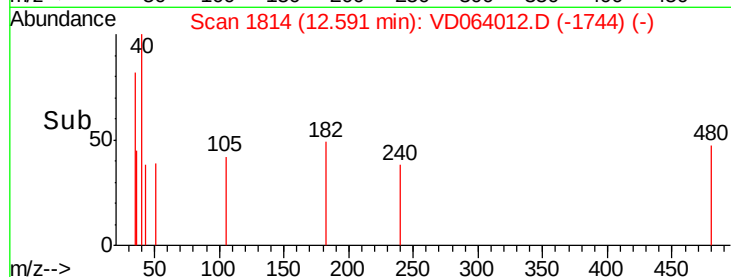
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: 10.629 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Tgt Ion: 43 Resp: 84

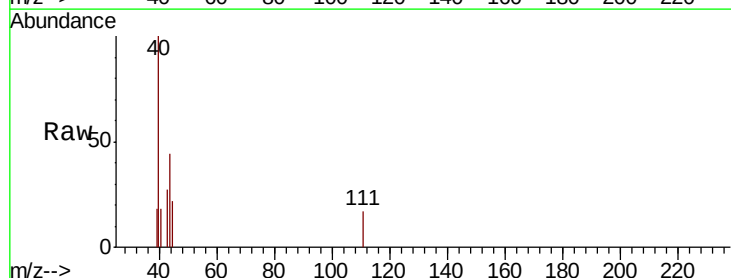
Ion Ratio Lower Upper

43 100

70 0.0 35.8 53.6#

55 0.0 19.4 29.0#

61 156.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

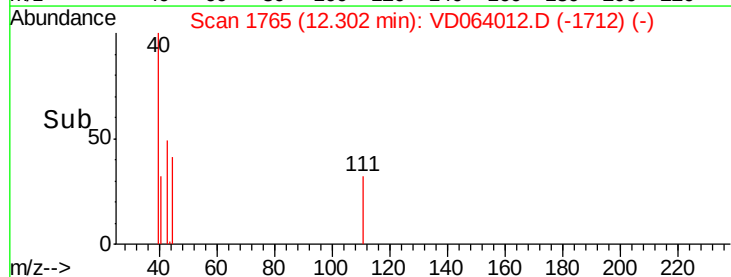
300

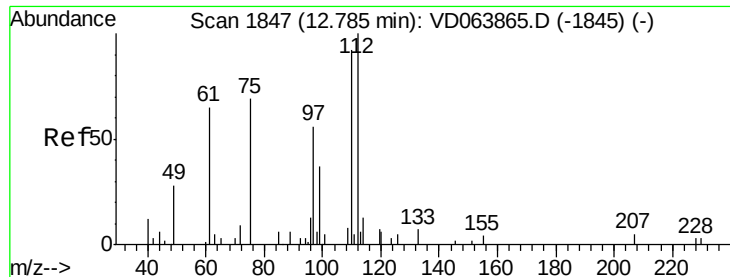
200

100

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 54.417 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.02 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

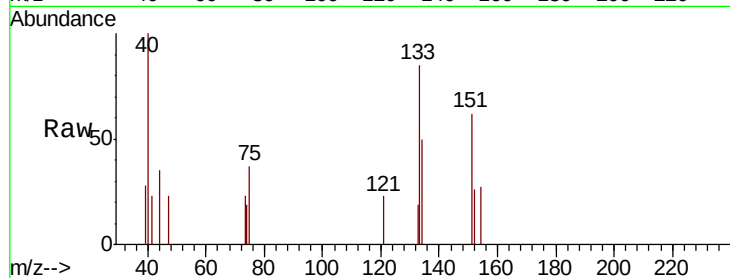
ClientSampled :

Tot Ion: 75 Resp: 199

Ion Ratio Lower Upper

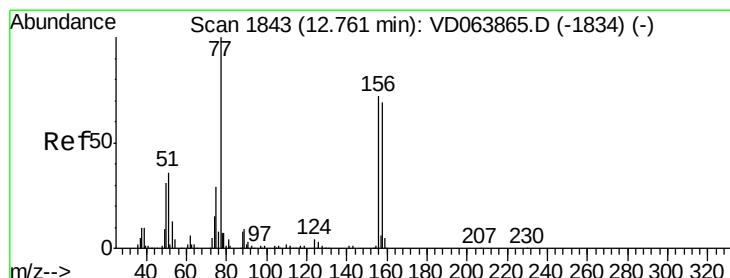
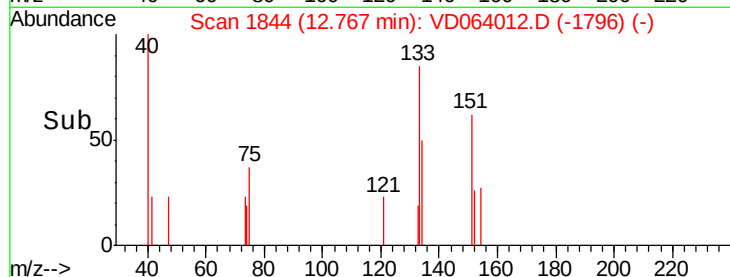
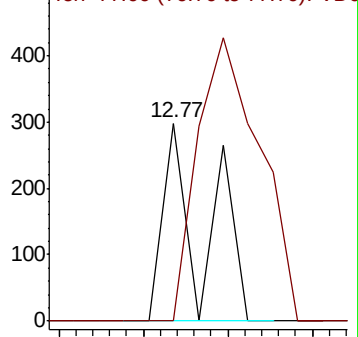
75 100

77 220.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#77

Bromobenzene

Concen: 5.905 ug/l

RT: 12.67 min Scan# 1827

Delta R.T. -0.09 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

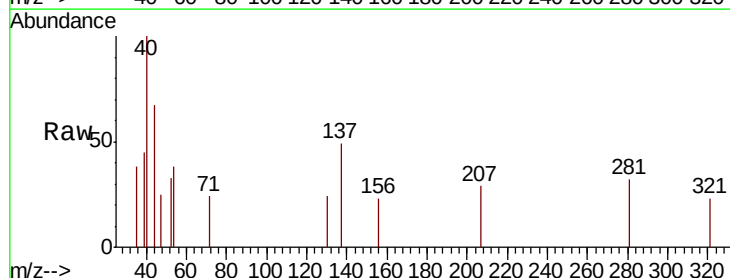
Tgt Ion: 156 Resp: 54

Ion Ratio Lower Upper

156 100

77 0.0 80.3 241.0#

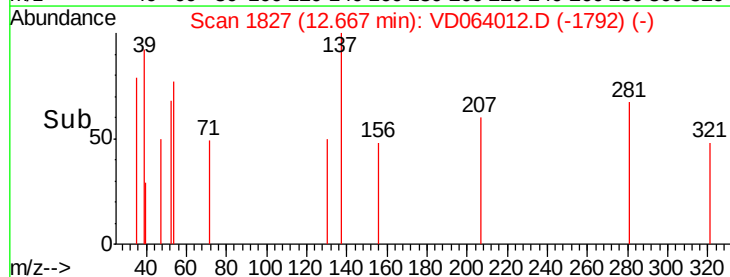
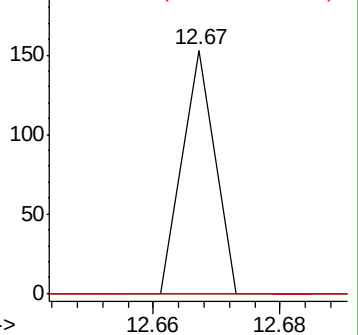
158 0.0 47.4 142.2#

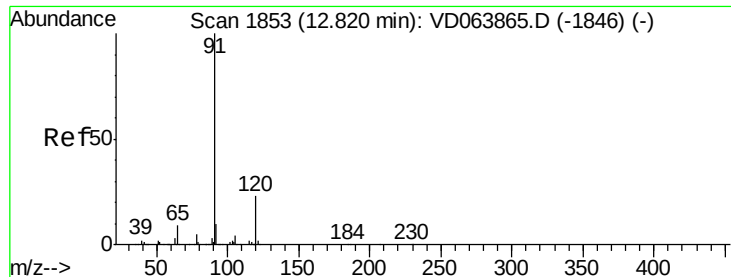


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.485 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.20 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

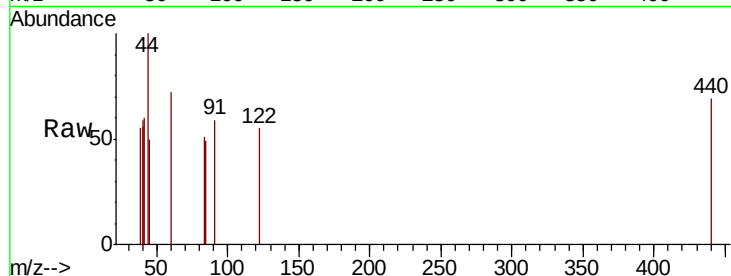
ClientSampled :

Tot Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

120 0.0 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

13.02

200

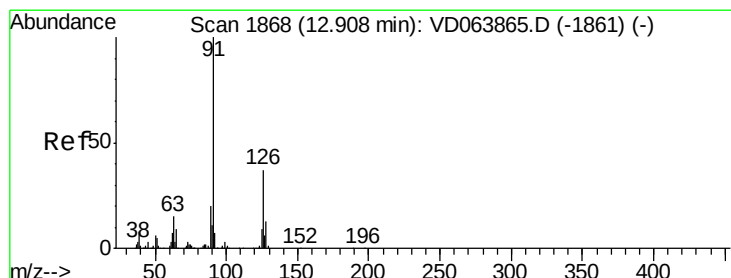
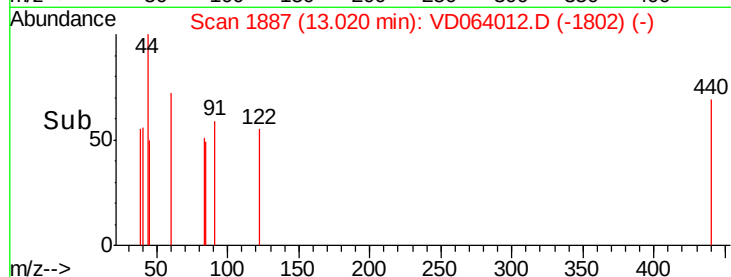
150

100

50

0

Time--> 13.00 13.02



#79

2-Chlorotoluene

Concen: 2.694 ug/l

RT: 13.02 min Scan# 1887

Delta R.T. 0.11 min

Lab File: VD064012.D

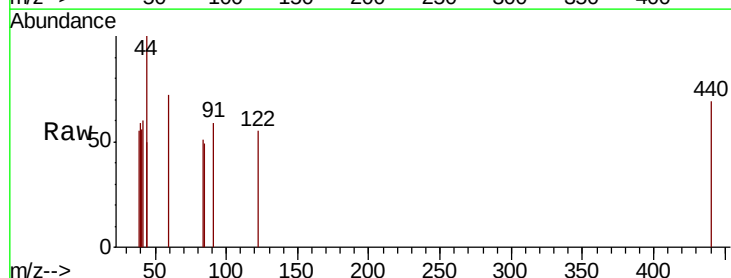
Acq: 18 Oct 2019 15:53

Tgt Ion: 91 Resp: 64

Ion Ratio Lower Upper

91 100

126 92.2 18.4 55.2#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

13.02

200

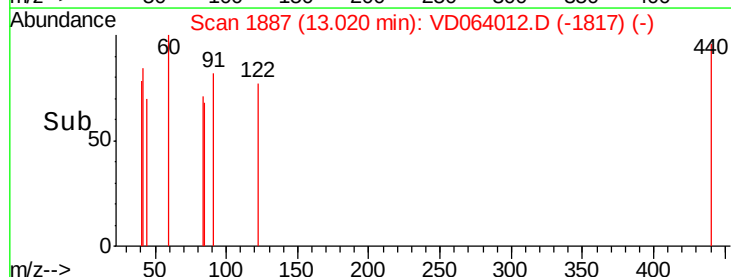
150

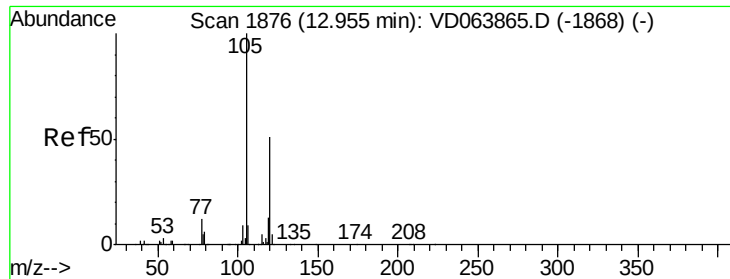
100

50

0

Time--> 13.00 13.02





#80

1,3,5-Trimethylbenzene

Concen: 4.833 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.16 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

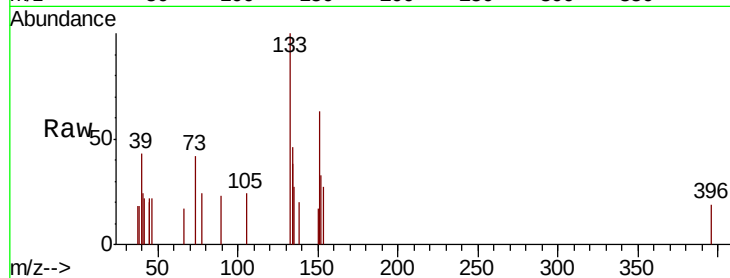
ClientSampleId :

Tot Ion:105 Resp: 148

Ion Ratio Lower Upper

105 100

120 70.3 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300

200

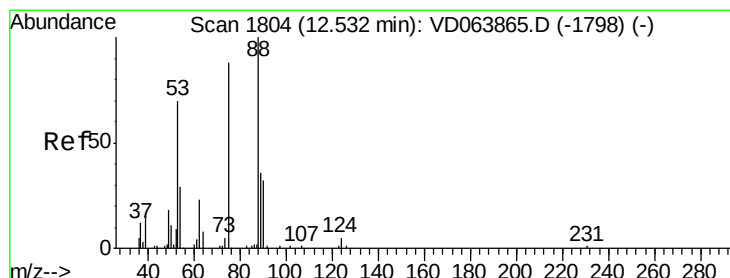
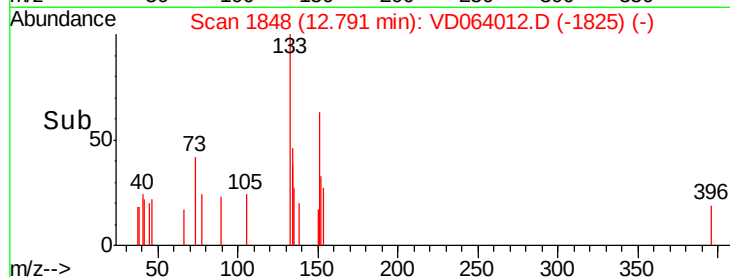
100

0

12.78

12.80

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 219.206 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

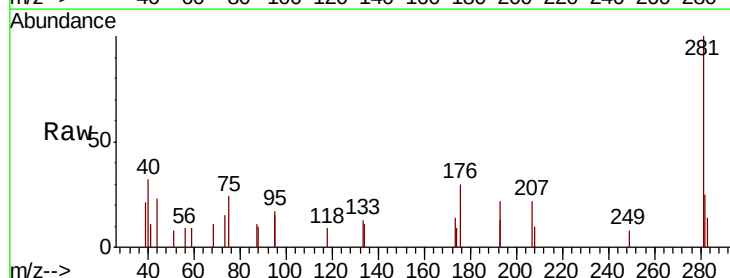
Tgt Ion: 75 Resp: 453

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

600

500

400

300

200

100

0

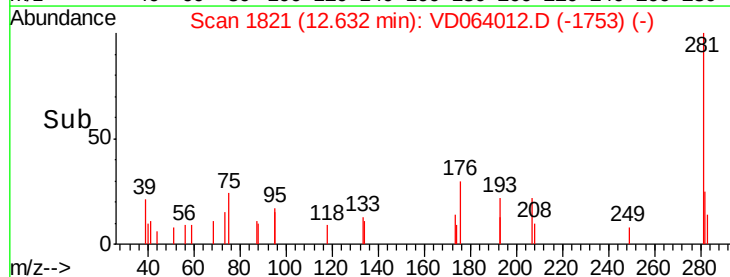
12.60

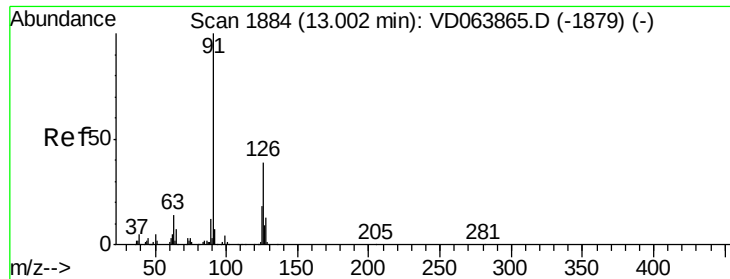
12.62

12.64

12.66

Time-->

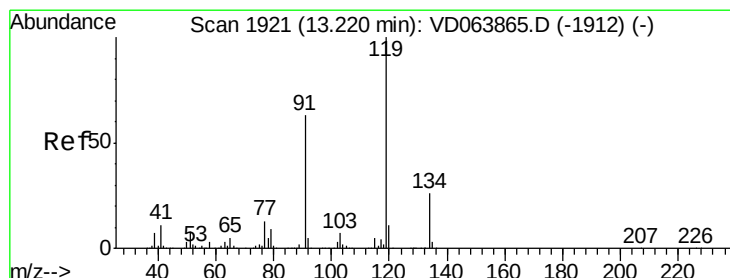
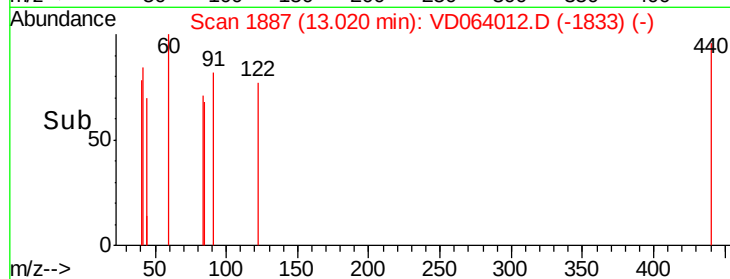
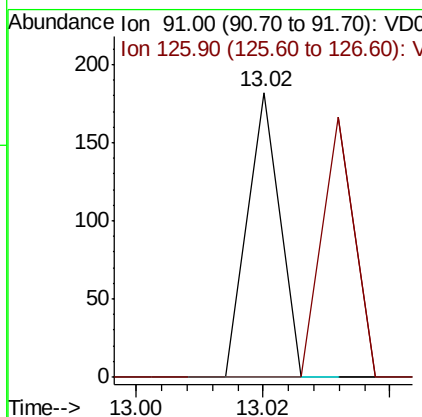
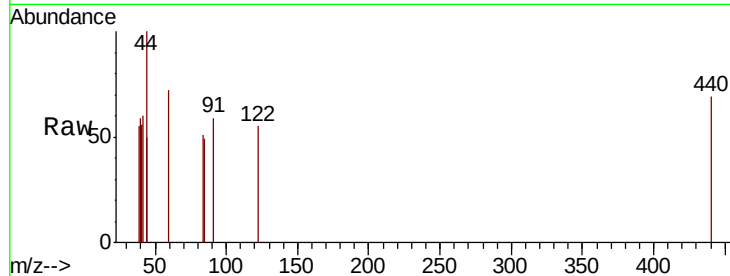




#82
4-Chlorotoluene
Concen: 2.540 ug/l
RT: 13.02 min Scan# 1887
Delta R.T. 0.02 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

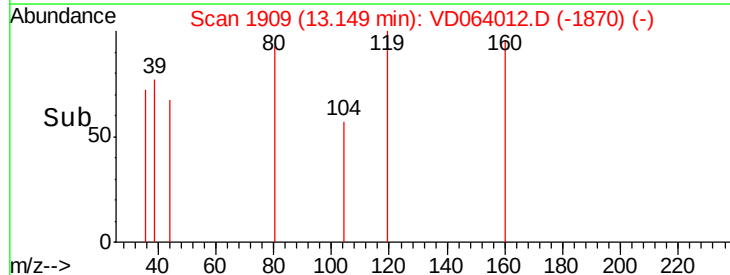
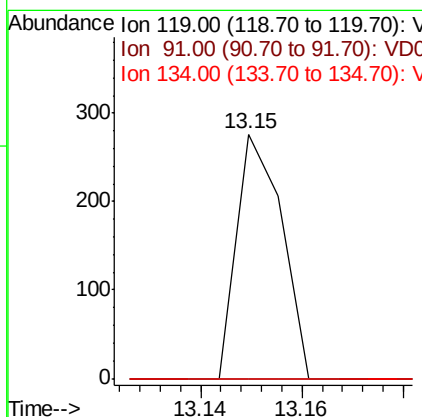
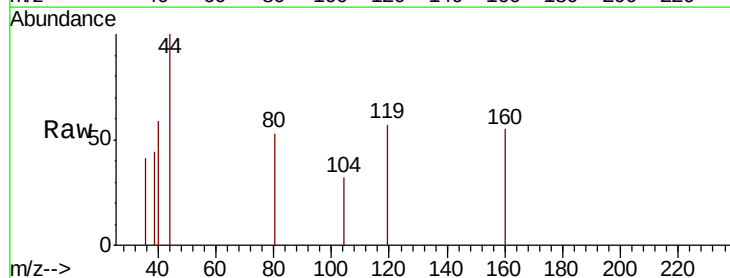
Instrument :
MSVOA_D
ClientSampled :

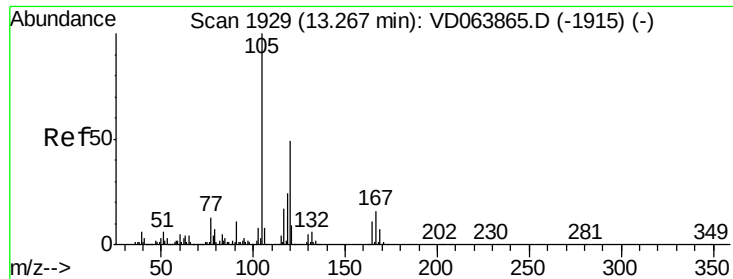
Tot Ion: 91 Resp: 64
Ion Ratio Lower Upper
91 100
126 92.2 18.6 55.8#



#83
tert-Butylbenzene
Concen: 6.238 ug/l
RT: 13.15 min Scan# 1909
Delta R.T. -0.07 min
Lab File: VD064012.D
Acq: 18 Oct 2019 15:53

Tgt Ion: 119 Resp: 170
Ion Ratio Lower Upper
119 100
91 0.0 30.0 90.0#
134 0.0 13.0 38.9#

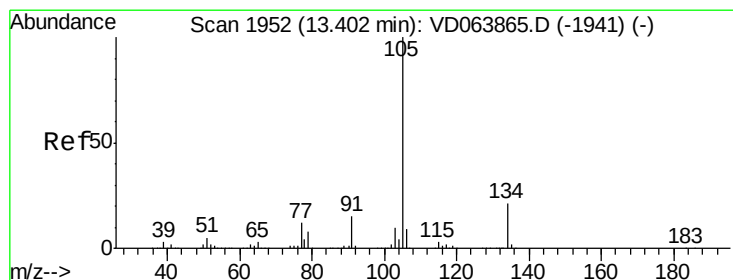
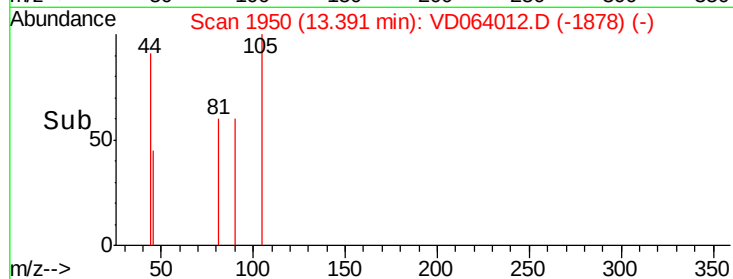
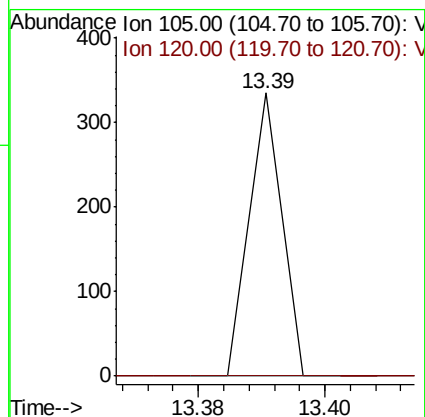
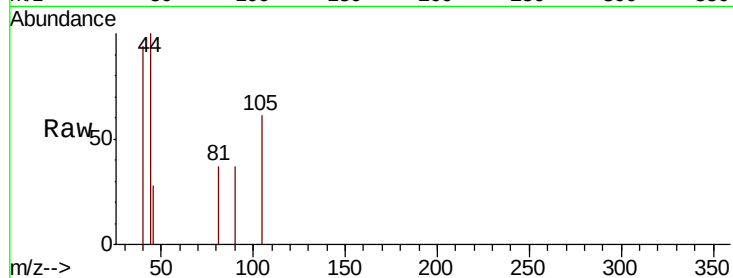




#84
 1,2,4-Trimethylbenzene
 Concen: 3.738 ug/l
 RT: 13.39 min Scan# 1950
 Delta R.T. 0.12 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

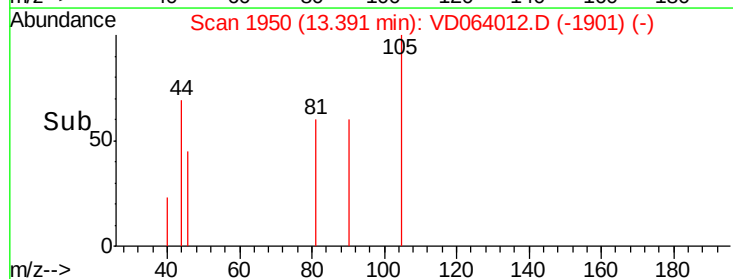
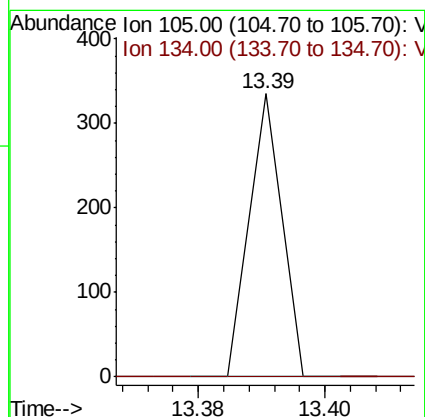
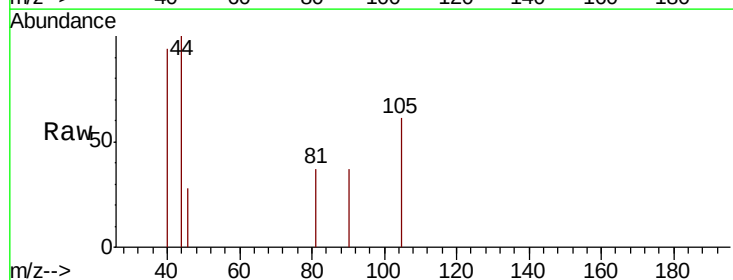
Instrument :
 MSVOA_D
 ClientSampled :

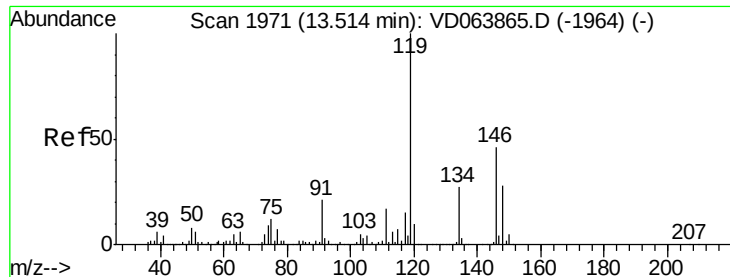
Tot Ion:105 Resp: 118
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.8 71.5#



#85
 sec-Butylbenzene
 Concen: 3.206 ug/l
 RT: 13.39 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Tgt Ion:105 Resp: 118
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.6 31.8#





#86

p-Isopropyltoluene

Concen: 4.020 ug/l

RT: 13.67 min Scan# 1998

Delta R.T. 0.16 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

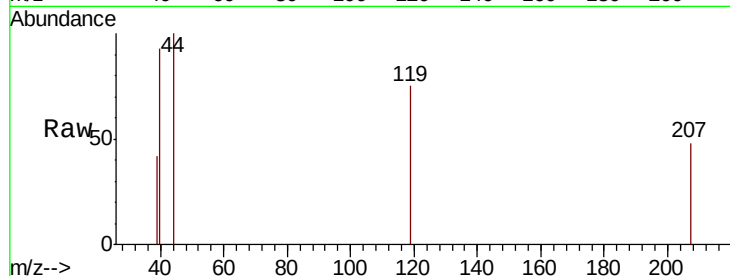
Tot Ion:119 Resp: 140

Ion Ratio Lower Upper

119 100

134 0.0 13.9 41.6#

91 0.0 11.2 33.5#



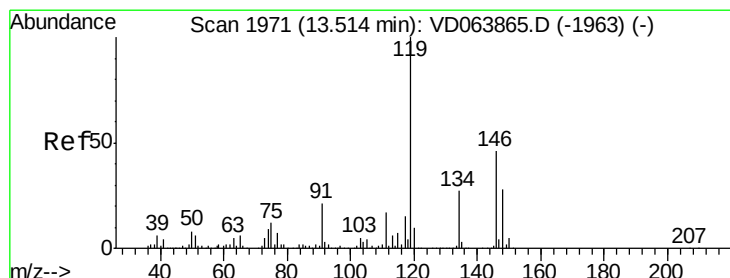
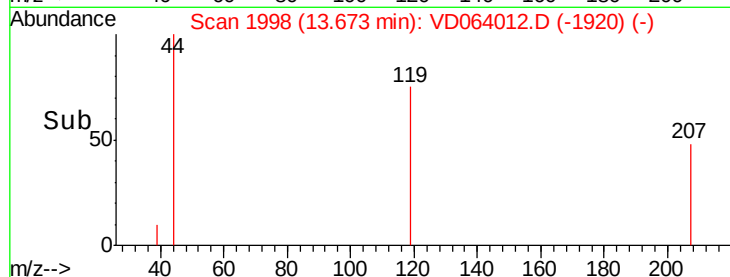
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.67

Time-->



#87

1,3-Dichlorobenzene

Concen: 3.210 ug/l

RT: 13.51 min Scan# 1970

Delta R.T. -0.01 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

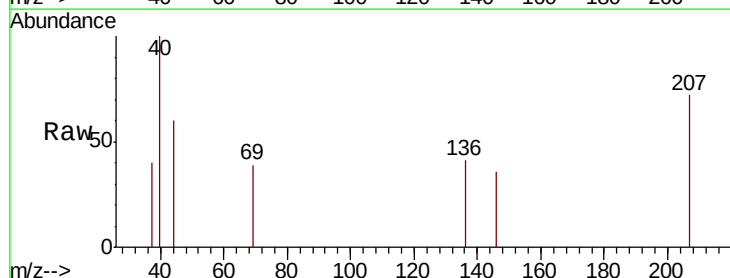
Tgt Ion:146 Resp: 58

Ion Ratio Lower Upper

146 100

111 0.0 18.3 54.9#

148 0.0 31.8 95.4#



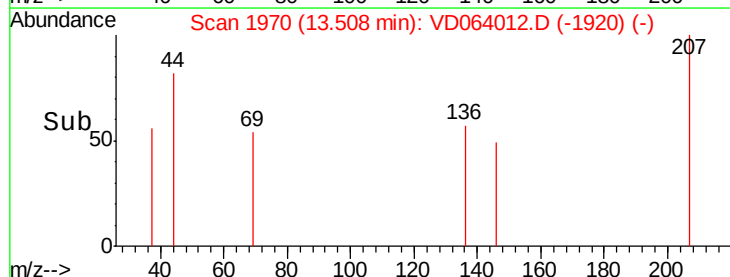
Abundance Ion 145.90 (145.60 to 146.60): V

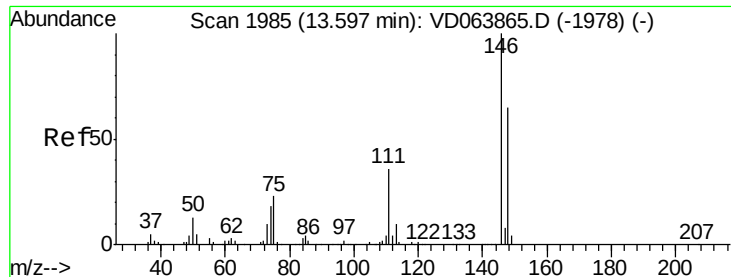
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.51

Time-->

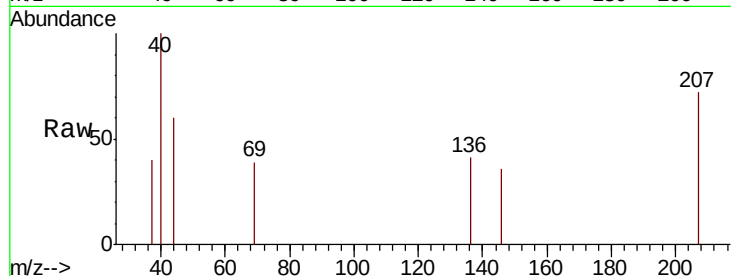




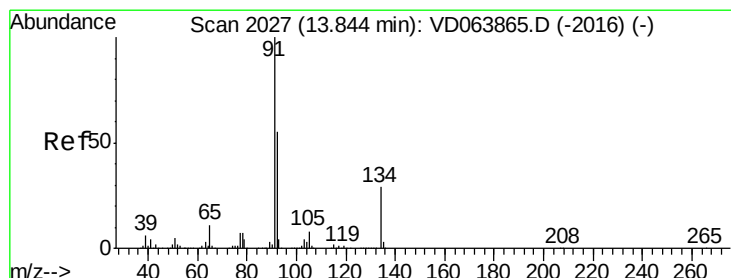
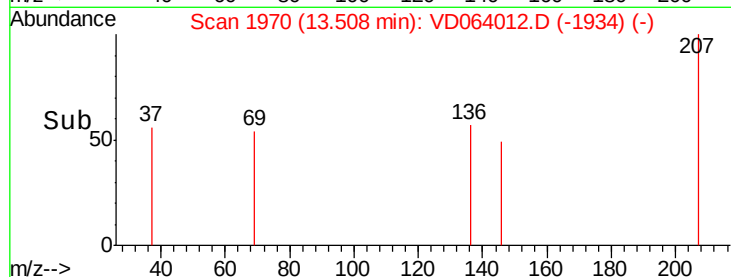
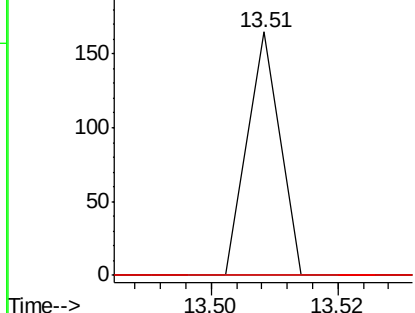
#88
 1,4-Dichlorobenzene
 Concen: 3.254 ug/l
 RT: 13.51 min Scan# 1970
 Delta R.T. -0.09 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.6	56.0#
148	0.0	32.6	98.0#

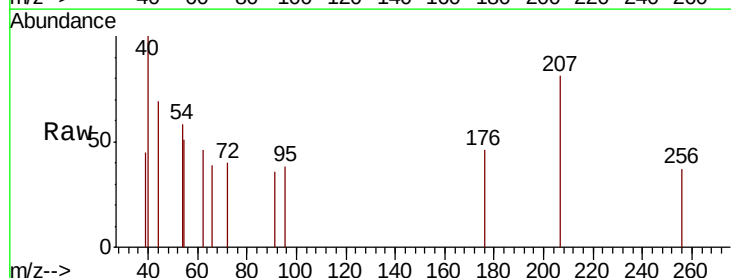


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

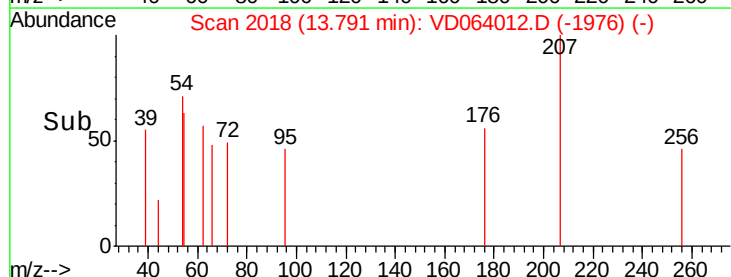
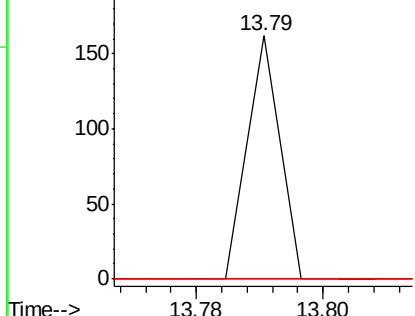


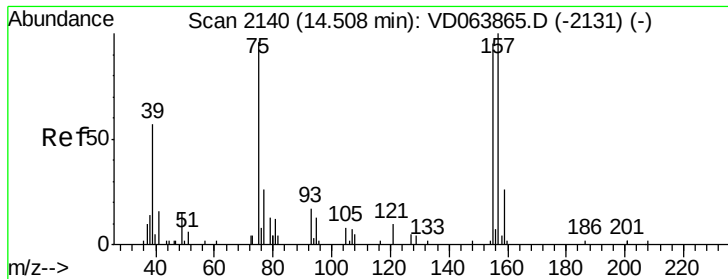
#89
 n-Butylbenzene
 Concen: 1.758 ug/l
 RT: 13.79 min Scan# 2018
 Delta R.T. -0.05 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.3#
134	0.0	14.4	43.0#



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 119.289 ug/l

RT: 14.64 min Scan# 2162

Delta R.T. 0.13 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

Instrument :

MSVOA_D

ClientSampled :

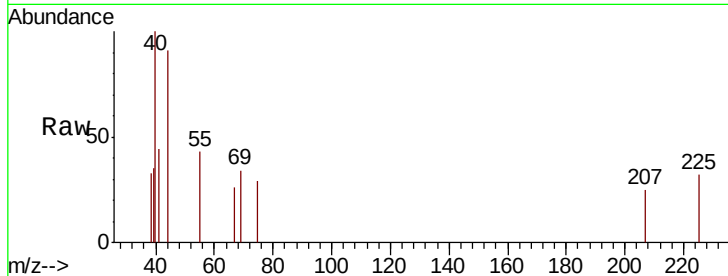
Tot Ion: 75 Resp: 115

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

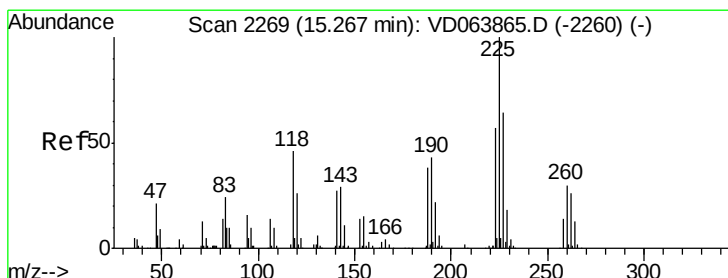
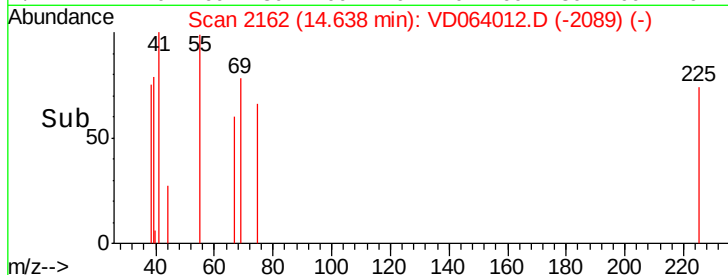
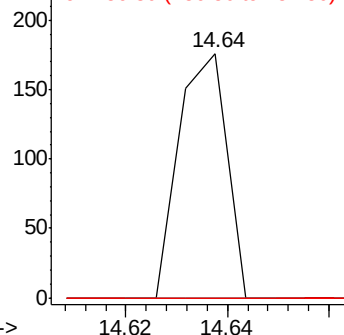
157 0.0 56.0 167.9#



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



#94

Hexachlorobutadiene

Concen: 8.446 ug/l

RT: 15.04 min Scan# 2230

Delta R.T. -0.23 min

Lab File: VD064012.D

Acq: 18 Oct 2019 15:53

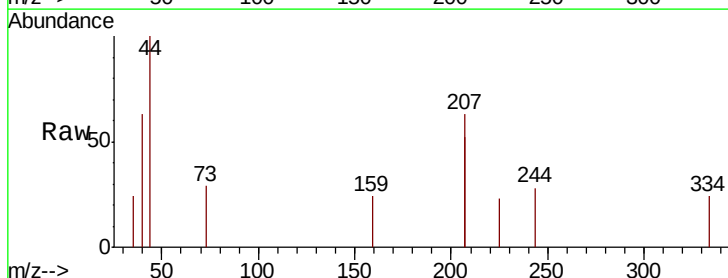
Tgt Ion: 225 Resp: 56

Ion Ratio Lower Upper

225 100

223 0.0 29.5 88.6#

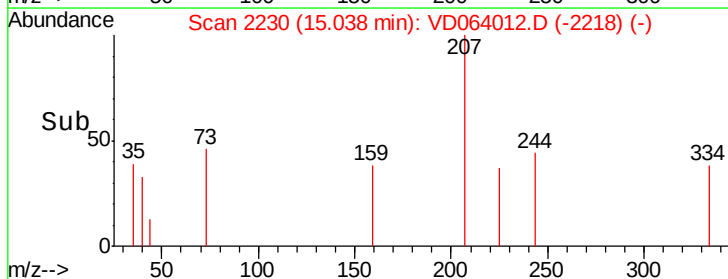
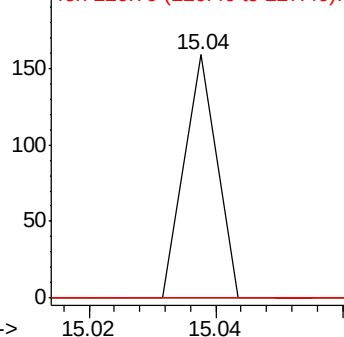
227 0.0 30.8 92.4#

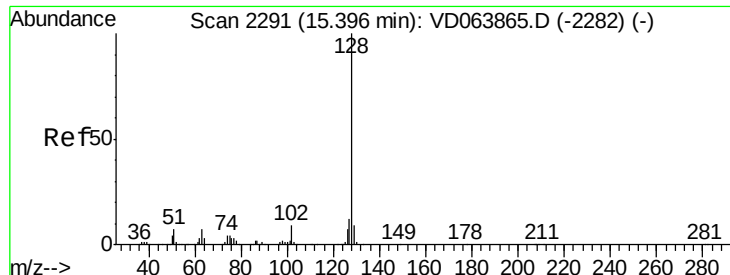


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95
 Naphthalene
 Concen: 2.773 ug/l
 RT: 15.53 min Scan# 2314
 Delta R.T. 0.14 min
 Lab File: VD064012.D
 Acq: 18 Oct 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

