

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD056997.D
 Acq On : 28 Mar 2018 12:20
 Operator : JC/SY
 Sample : VD0328SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

Quant Time: Mar 29 05:49:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D031518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 13:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.15	168	453863	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	7.29	114	799496	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.47	117	637471	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	13.83	152	257346	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.57	65	297009	58.66	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	117.32%	
35) Dibromofluoromethane	6.06	113	329507	58.04	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	116.08%	
50) Toluene-d8	9.48	98	959057	54.91	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.76	95	358625	46.95	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.38	85	112451	20.50	ug/l	97
3) Chloromethane	1.53	50	68887	21.17	ug/l	100
4) Vinyl Chloride	1.63	62	68287	21.94	ug/l	94
5) Bromomethane	1.90	94	38113	21.63	ug/l	100
6) Chloroethane	2.01	64	32402	21.93	ug/l	89
7) Trichlorofluoromethane	2.25	101	110052	20.32	ug/l	97
8) Diethyl Ether	2.53	74	20421	22.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.79	101	58757	22.06	ug/l	88
10) Methyl Iodide	2.94	142	61984	20.52	ug/l	98
11) Tert butyl alcohol	3.57	59	40204	119.47	ug/l #	94
12) 1,1-Dichloroethene	2.77	96	45699	21.14	ug/l	95
13) Acrolein	2.68	56	11485	78.06	ug/l	84
14) Allyl chloride	3.20	41	100212	21.77	ug/l	97
15) Acrylonitrile	3.70	53	115258	101.52	ug/l	92
16) Acetone	2.84	43	83549	107.86	ug/l #	90
17) Carbon Disulfide	3.02	76	158528	20.76	ug/l	100
18) Methyl Acetate	3.21	43	34074	22.33	ug/l	98
19) Methyl tert-butyl Ether	3.76	73	208344	19.12	ug/l	94
20) Methylene Chloride	3.37	84	55688	22.92	ug/l	97
21) trans-1,2-Dichloroethene	3.75	96	115557	20.13	ug/l	96
22) Diisopropyl ether	4.51	45	437337	21.46	ug/l	98
23) Vinyl Acetate	4.45	43	1001254	104.14	ug/l	96
24) 1,1-Dichloroethane	4.41	63	239468	21.06	ug/l	99
25) 2-Butanone	5.30	43	187130	104.52	ug/l #	90
26) 2,2-Dichloropropane	5.27	77	194098	20.23	ug/l	99
27) cis-1,2-Dichloroethene	5.27	96	135416	21.49	ug/l	95
28) Bromochloromethane	5.64	49	94094	22.40	ug/l	94
29) Tetrahydrofuran	5.67	42	102874	102.28	ug/l	94
30) Chloroform	5.82	83	229554	20.50	ug/l	98
31) Cyclohexane	6.12	56	241351	21.72	ug/l	94
32) 1,1,1-Trichloroethane	6.02	97	181288	20.00	ug/l	92
36) 1,1-Dichloropropene	6.28	75	191062	21.84	ug/l	95
37) Ethyl Acetate	5.40	43	82795	20.04	ug/l	96
38) Carbon Tetrachloride	6.26	117	160361	21.36	ug/l	96

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 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D031518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 13:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.94	83	198359	19.83	ug/l	87
40) Benzene	6.57	78	468561	21.46	ug/l	98
41) Methacrylonitrile	5.61	41	50971	21.80	ug/l #	84
42) 1,2-Dichloroethane	6.68	62	148269	23.06	ug/l	98
43) Isopropyl Acetate	8.27	43	126817	20.54	ug/l #	100
44) Trichloroethene	7.60	130	125801	20.59	ug/l	86
45) 1,2-Dichloropropane	8.00	63	139107	21.33	ug/l	98
46) Dibromomethane	8.12	93	68169	20.87	ug/l	97
47) Bromodichloromethane	8.42	83	166642	19.74	ug/l	99
48) Methyl methacrylate	7.93	41	124193	22.76	ug/l	94
49) 1,4-Dioxane	8.14	88	11213	392.37	ug/l	94
51) 4-Methyl-2-Pentanone	9.34	43	448548	108.12	ug/l	95
52) Toluene	9.57	92	284823	20.25	ug/l	93
53) t-1,3-Dichloropropene	9.99	75	155324	18.68	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	200087	19.82	ug/l #	90
55) 1,1,2-Trichloroethane	10.27	97	82255	19.25	ug/l	96
56) Ethyl methacrylate	10.11	69	106233	18.15	ug/l	95
57) 1,3-Dichloropropane	10.49	76	151857	19.19	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.89	63	286670	88.95	ug/l	94
59) 2-Hexanone	10.59	43	327777	102.13	ug/l	89
60) Dibromochloromethane	10.77	129	91645	16.75	ug/l	95
61) 1,2-Dibromoethane	10.90	107	82909	18.22	ug/l	100
64) Tetrachloroethene	10.34	164	95490	23.34	ug/l	95
65) Chlorobenzene	11.51	112	301415	21.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.62	131	90506	18.92	ug/l	96
67) Ethyl Benzene	11.63	91	556266	21.68	ug/l	98
68) m/p-Xylenes	11.78	106	391808	42.50	ug/l	91
69) o-Xylene	12.20	106	183467	20.59	ug/l	96
70) Styrene	12.23	104	301418	20.83	ug/l	96
71) Bromoform	12.41	173	42050	16.11	ug/l	95
73) Isopropylbenzene	12.58	105	523819	21.85	ug/l	96
74) N-amyl acetate	12.41	43	164622	22.17	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.90	83	93594	21.26	ug/l	90
76) 1,2,3-Trichloropropane	12.95	75	100408	20.64	ug/l	93
77) Bromobenzene	12.89	156	103948	21.21	ug/l	91
78) n-propylbenzene	13.00	91	658390	22.16	ug/l	99
79) 2-Chlorotoluene	13.07	91	357824	22.19	ug/l	99
80) 1,3,5-Trimethylbenzene	13.16	105	409791	22.13	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.65	75	25639	18.20	ug/l	91
82) 4-Chlorotoluene	13.19	91	412173	20.41	ug/l	100
83) tert-Butylbenzene	13.46	119	430768	21.01	ug/l	98
84) 1,2,4-Trimethylbenzene	13.51	105	407600	21.89	ug/l	94
85) sec-Butylbenzene	13.66	105	539500	22.15	ug/l	96
86) p-Isopropyltoluene	13.79	119	428325	21.33	ug/l	99
87) 1,3-Dichlorobenzene	13.76	146	193377	20.63	ug/l	99
88) 1,4-Dichlorobenzene	13.85	146	192660	20.47	ug/l	96
89) n-Butylbenzene	14.14	91	452441	22.42	ug/l	97
90) Hexachloroethane	14.40	117	77791	16.94	ug/l	81
91) 1,2-Dichlorobenzene	14.16	146	165558	20.77	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.81	75	9990	17.63	ug/l	87

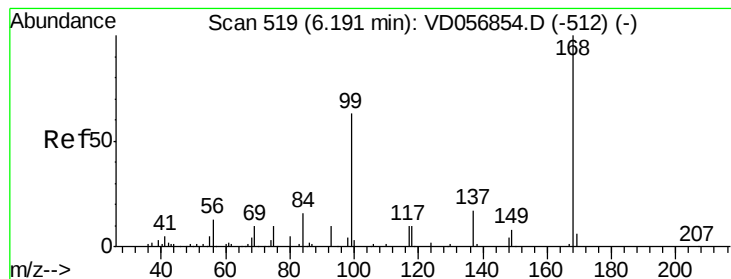
Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.47	180	97475	19.38	ug/l	95
94) Hexachlorobutadiene	15.58	225	60663	21.12	ug/l	97
95) Naphthalene	15.70	128	165712	18.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.88	180	77055	18.67	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.15 min Scan# 515

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

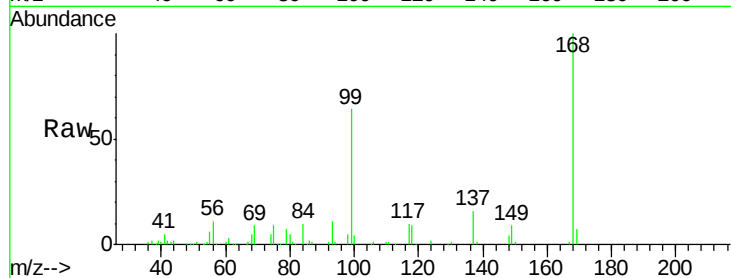
VD0328SBS01

Tgt Ion:168 Resp: 453863

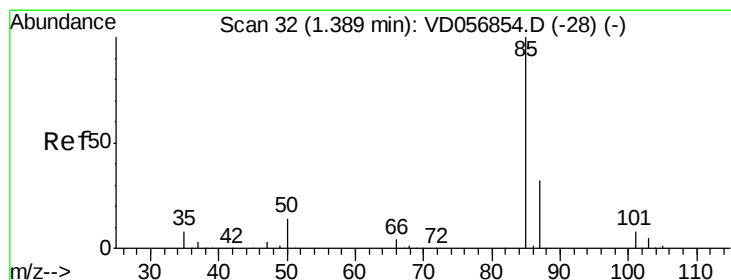
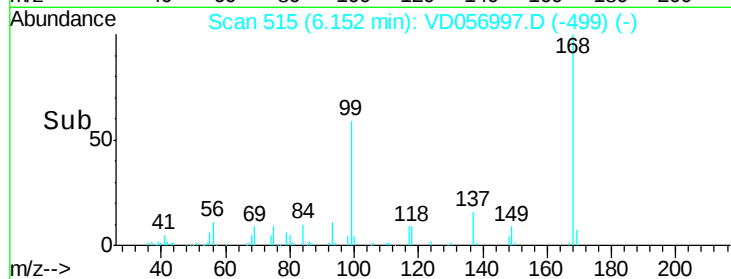
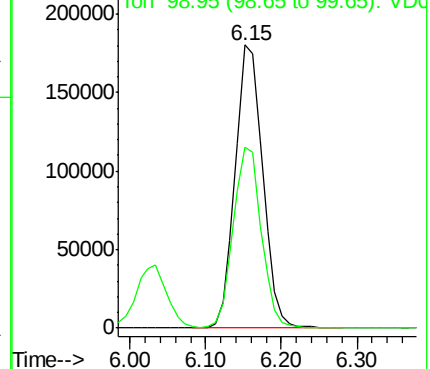
Ion Ratio Lower Upper

168 100

99 63.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 20.50 ug/l

RT: 1.38 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD056997.D

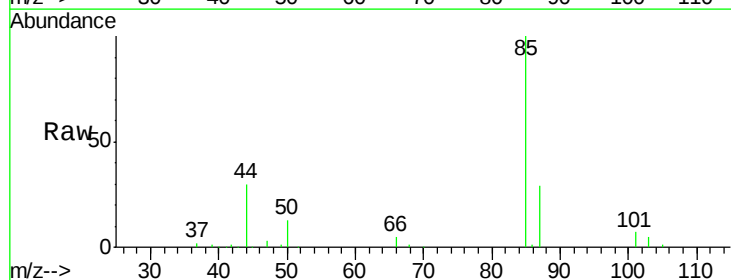
Acq: 28 Mar 2018 12:20

Tgt Ion: 85 Resp: 112451

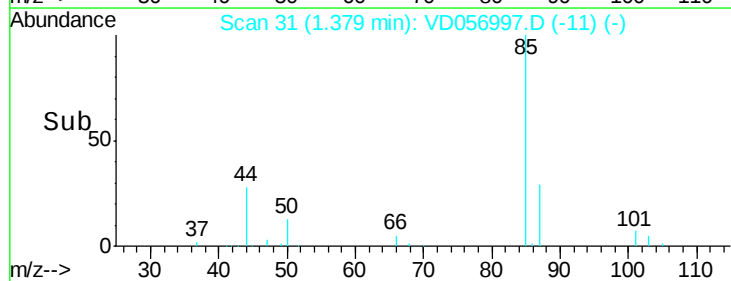
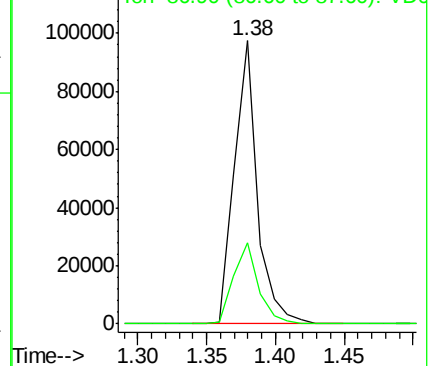
Ion Ratio Lower Upper

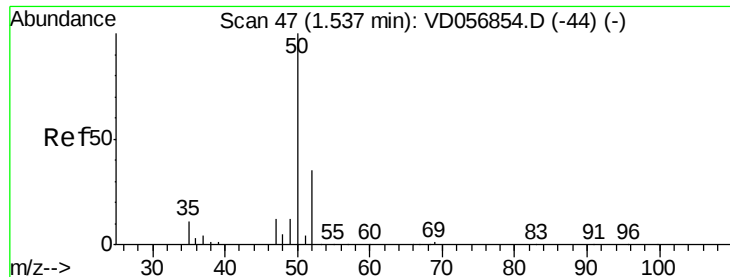
85 100

87 28.7 15.2 45.6



Abundance Ion 84.95 (84.65 to 85.65): VDC





#3

Chloromethane

Concen: 21.17 ug/l

RT: 1.53 min Scan# 46

Delta R.T. -0.02 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

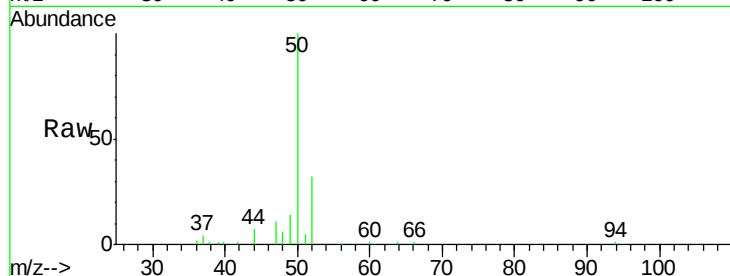
VD0328SBS01

Tgt Ion: 50 Resp: 68887

Ion Ratio Lower Upper

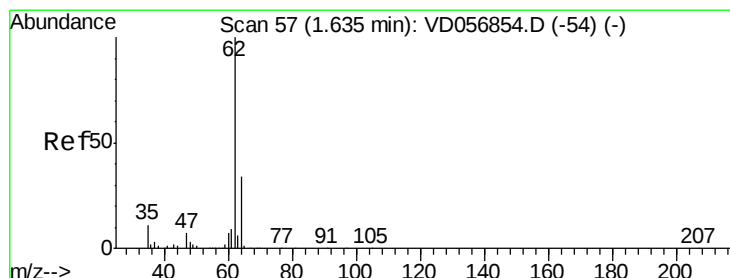
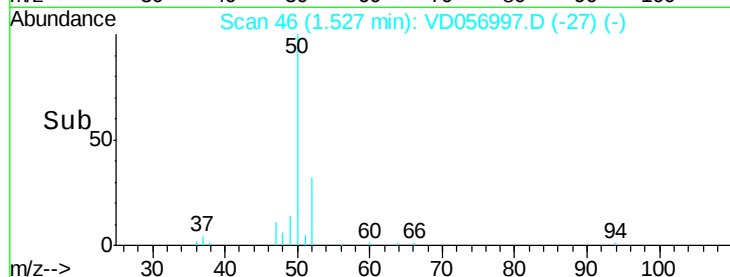
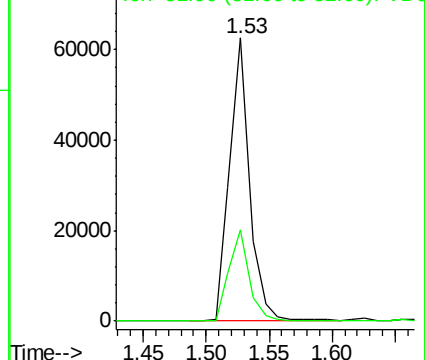
50 100

52 32.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.94 ug/l

RT: 1.63 min Scan# 56

Delta R.T. -0.02 min

Lab File: VD056997.D

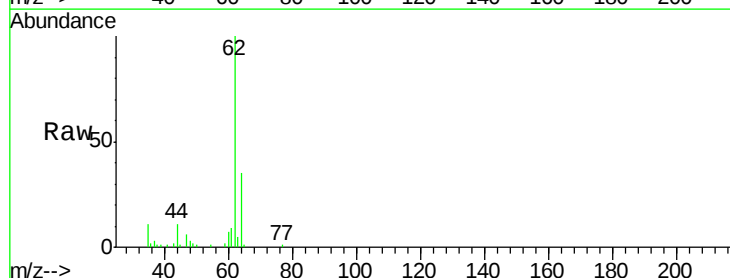
Acq: 28 Mar 2018 12:20

Tgt Ion: 62 Resp: 68287

Ion Ratio Lower Upper

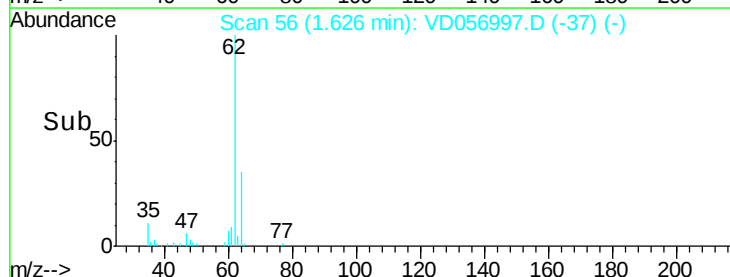
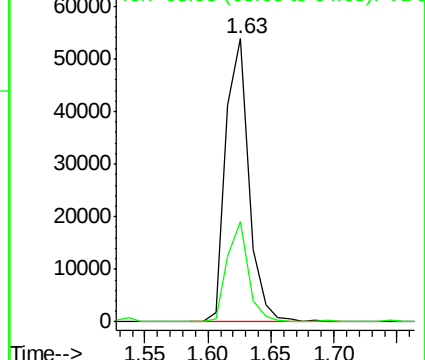
62 100

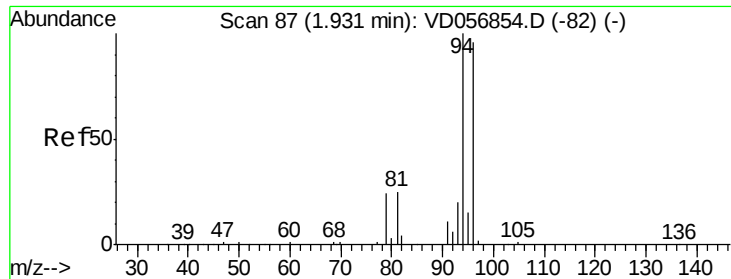
64 35.3 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.63 ug/l

RT: 1.90 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

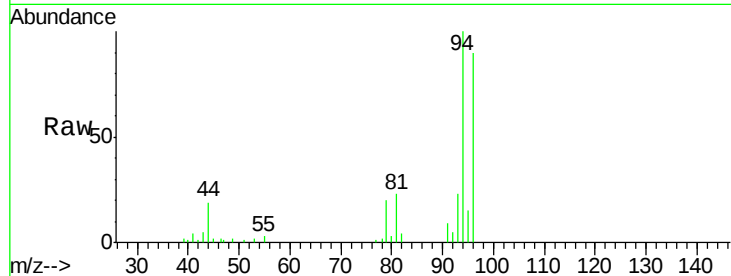
VD0328SBS01

Tgt Ion: 94 Resp: 38113

Ion Ratio Lower Upper

94 100

96 90.0 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.90

25000

20000

15000

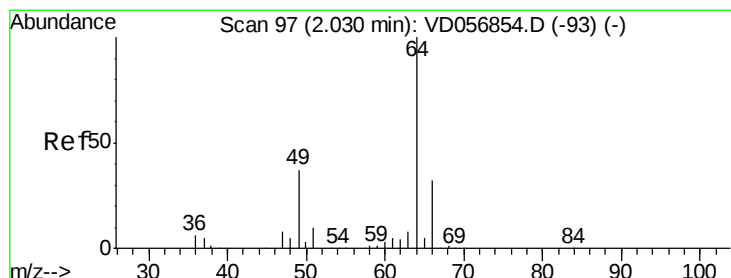
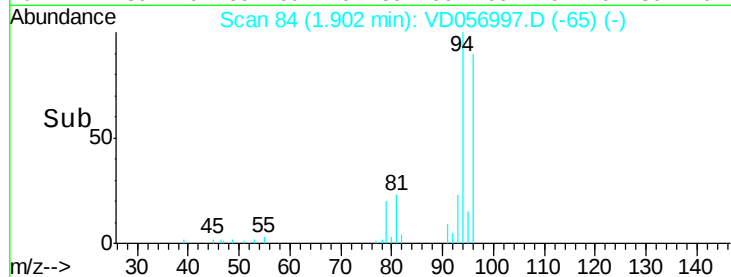
10000

5000

0

Time-->

1.80 1.85 1.90 1.95 2.00



#6

Chloroethane

Concen: 21.93 ug/l

RT: 2.01 min Scan# 95

Delta R.T. -0.02 min

Lab File: VD056997.D

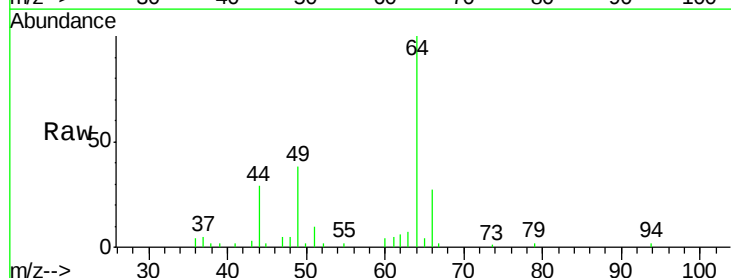
Acq: 28 Mar 2018 12:20

Tgt Ion: 64 Resp: 32402

Ion Ratio Lower Upper

64 100

66 26.7 26.1 39.1



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.01

25000

20000

15000

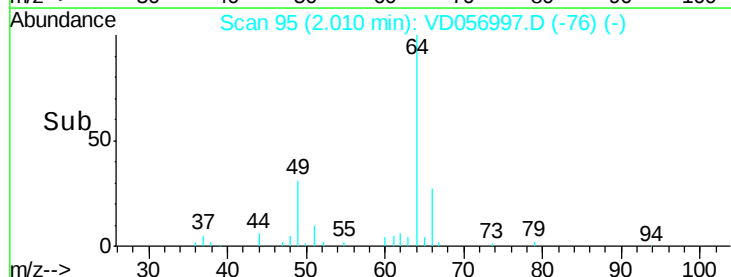
10000

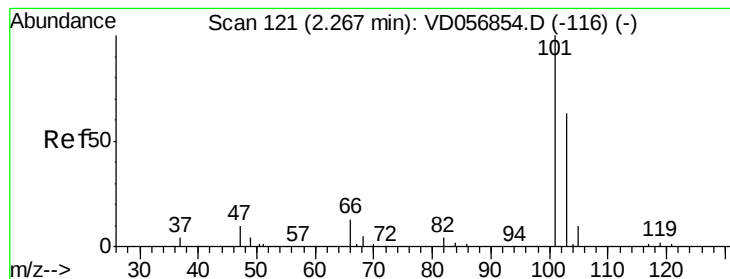
5000

0

Time-->

1.95 2.00 2.05 2.10





#7

Trichlorofluoromethane

Concen: 20.32 ug/l

RT: 2.25 min Scan# 119

Delta R.T. -0.02 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

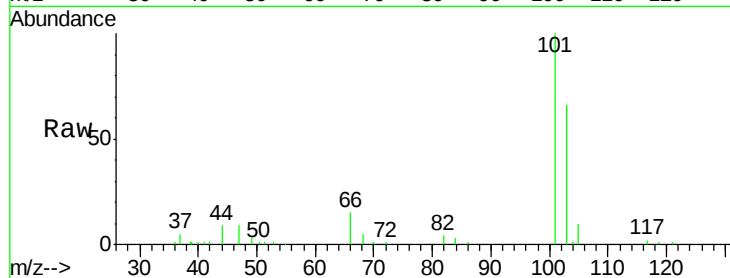
VD0328SBS01

Tgt Ion:101 Resp: 110052

Ion Ratio Lower Upper

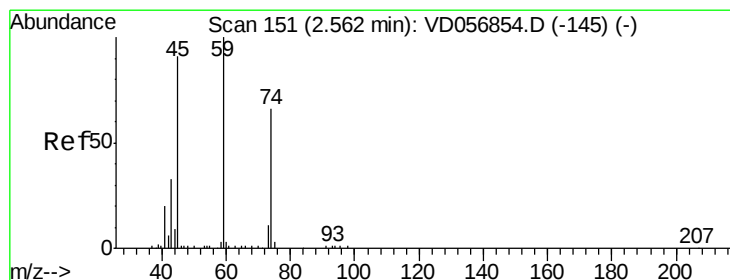
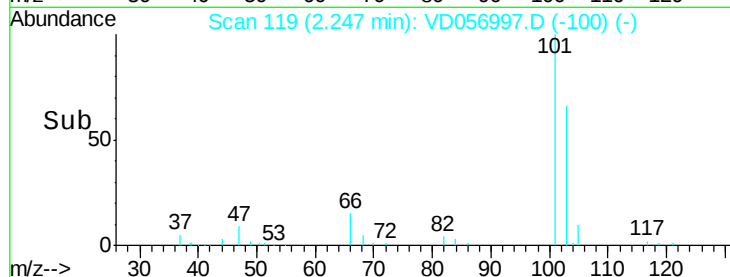
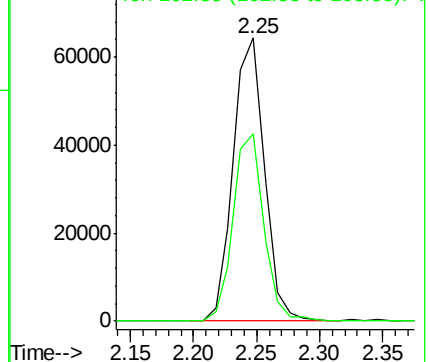
101 100

103 66.3 51.0 76.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 22.42 ug/l

RT: 2.53 min Scan# 148

Delta R.T. -0.03 min

Lab File: VD056997.D

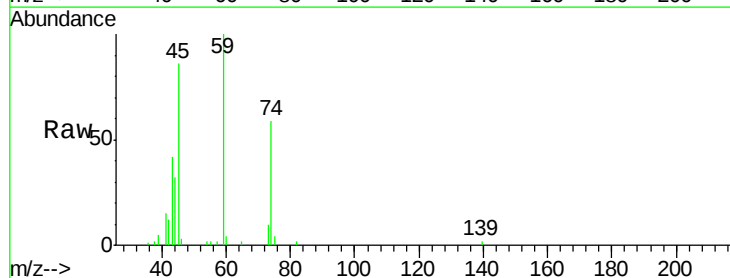
Acq: 28 Mar 2018 12:20

Tgt Ion: 74 Resp: 20421

Ion Ratio Lower Upper

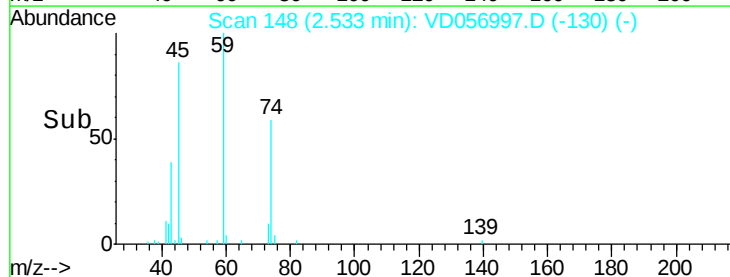
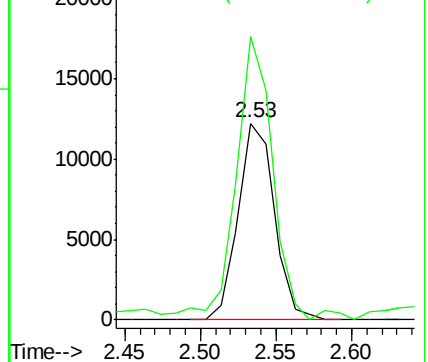
74 100

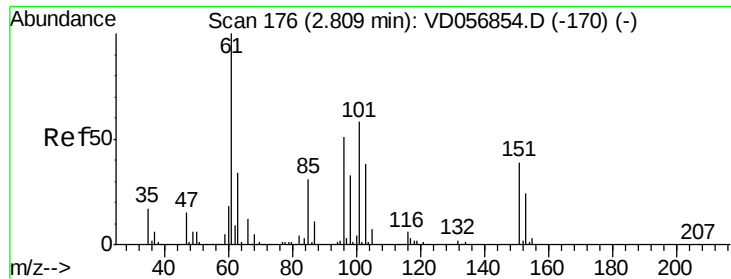
45 144.0 72.9 218.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.06 ug/l

RT: 2.79 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

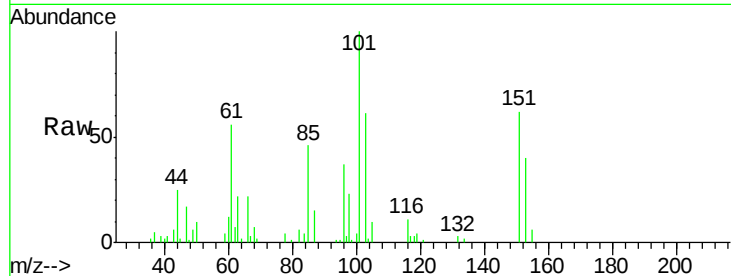
Tgt Ion:101 Resp: 58757

Ion Ratio Lower Upper

101 100

85 45.8 42.3 63.5

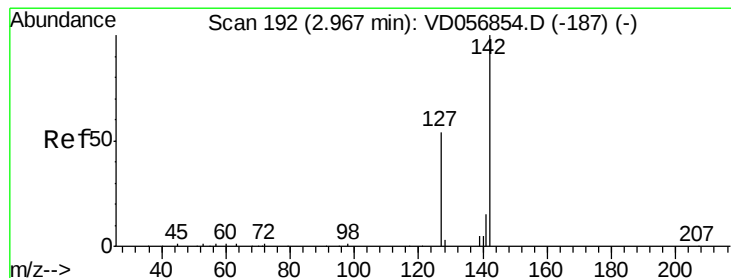
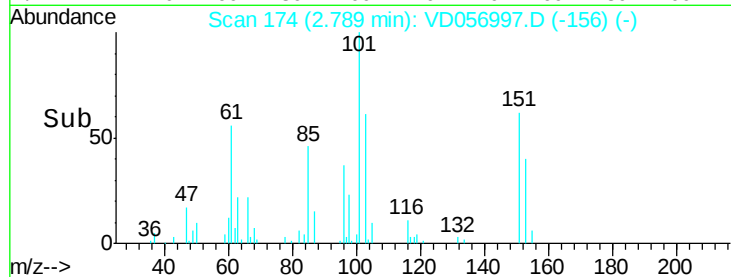
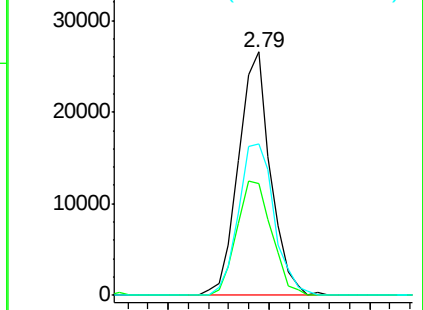
151 62.2 58.5 87.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.52 ug/l

RT: 2.94 min Scan# 189

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

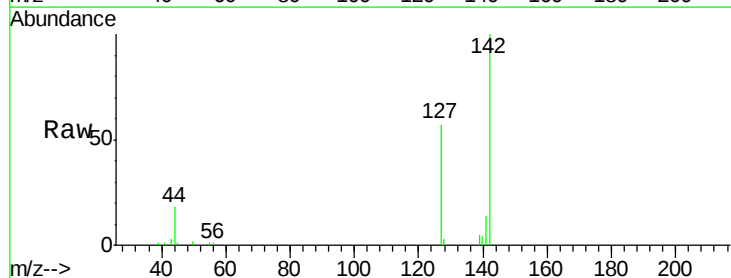
Tgt Ion:142 Resp: 61984

Ion Ratio Lower Upper

142 100

127 57.3 44.3 66.5

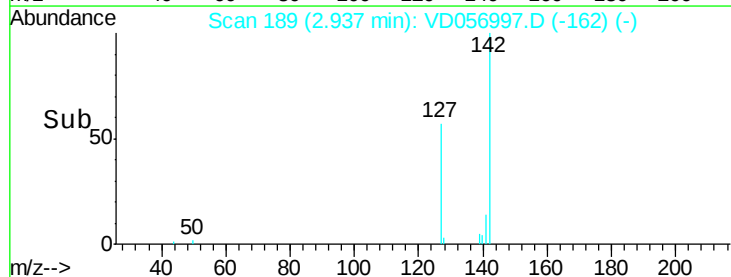
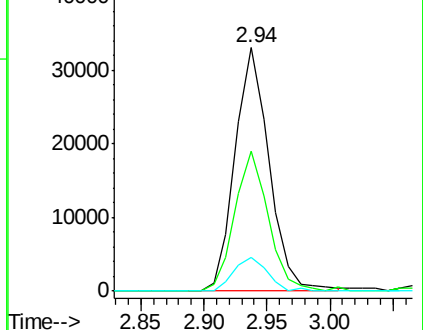
141 14.1 11.8 17.6

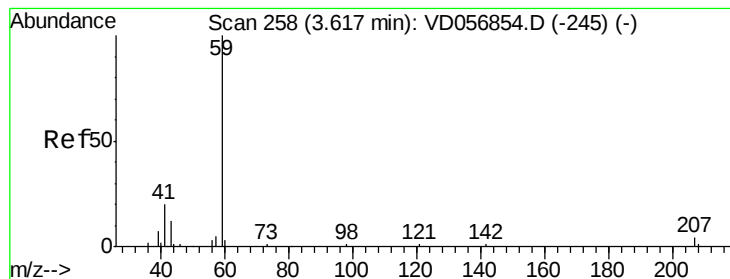


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



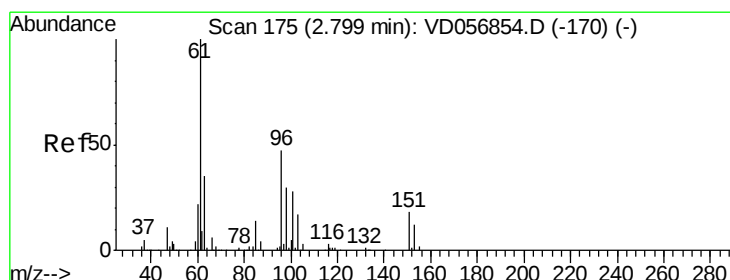
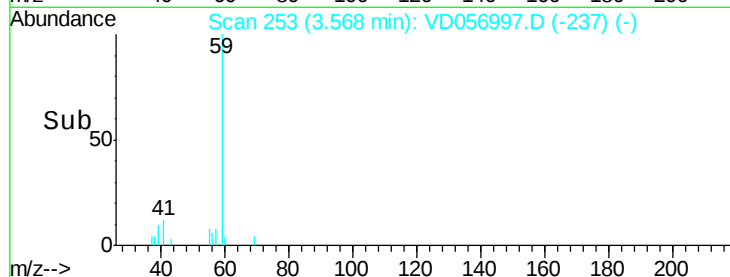
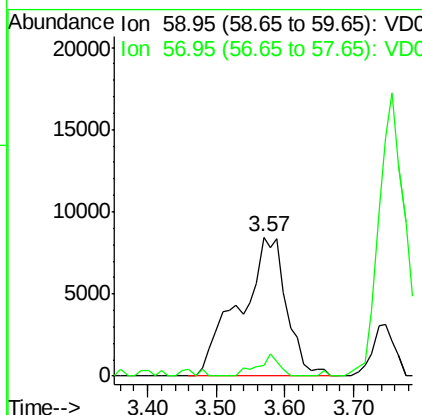
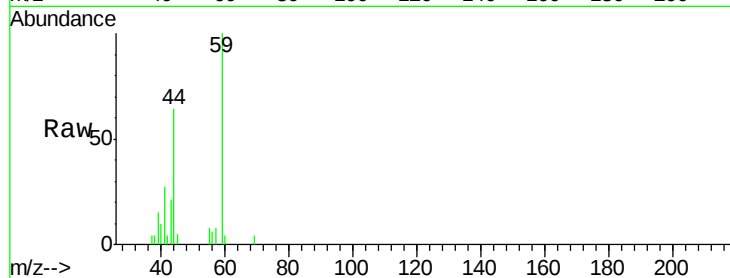


#11

Tert butyl alcohol
 Concen: 119.47 ug/l
 RT: 3.57 min Scan# 253
 Delta R.T. -0.05 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

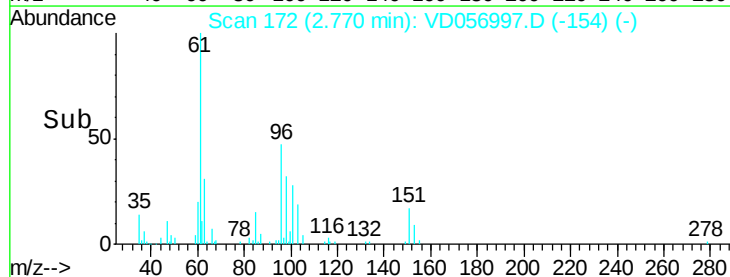
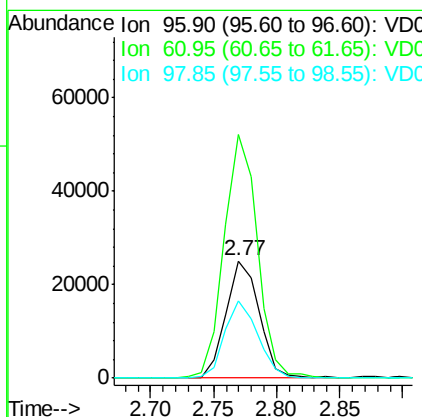
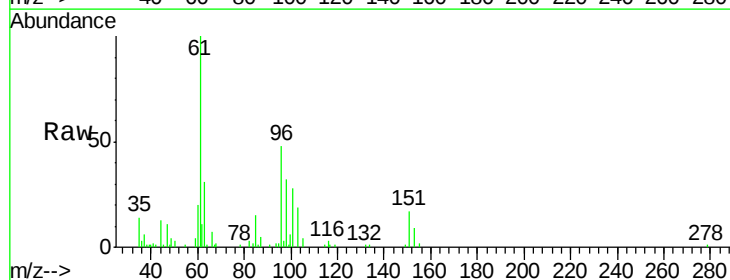
Tgt Ion: 59 Resp: 40204
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.1 12.1#

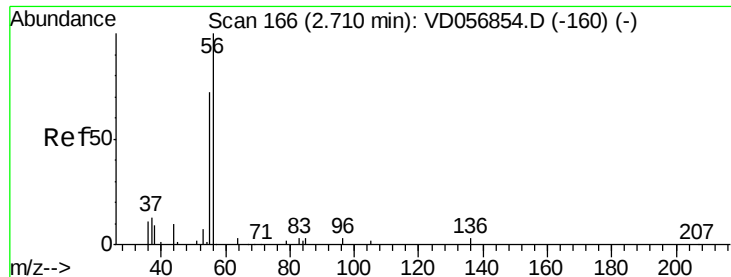


#12

1,1-Dichloroethene
 Concen: 21.14 ug/l
 RT: 2.77 min Scan# 172
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion: 96 Resp: 45699
 Ion Ratio Lower Upper
 96 100
 61 208.1 172.2 258.4
 98 66.3 49.4 74.0





#13

Acrolein

Concen: 78.06 ug/l

RT: 2.68 min Scan# 163

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

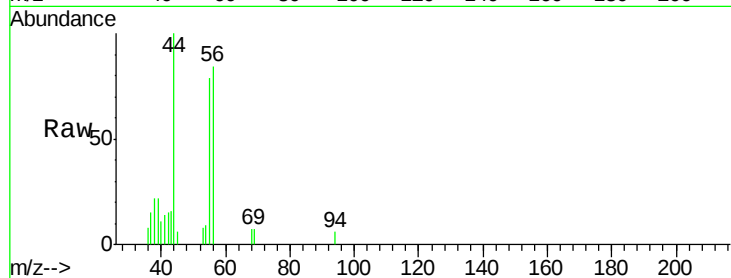
VD0328SBS01

Tgt Ion: 56 Resp: 11485

Ion Ratio Lower Upper

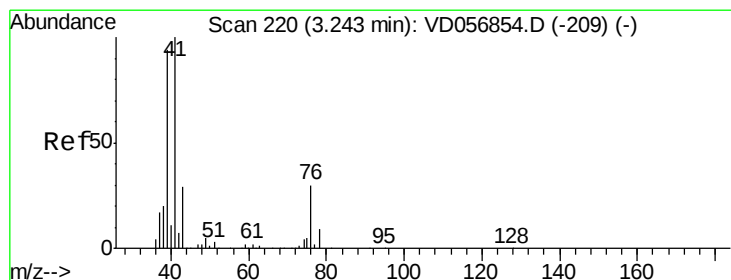
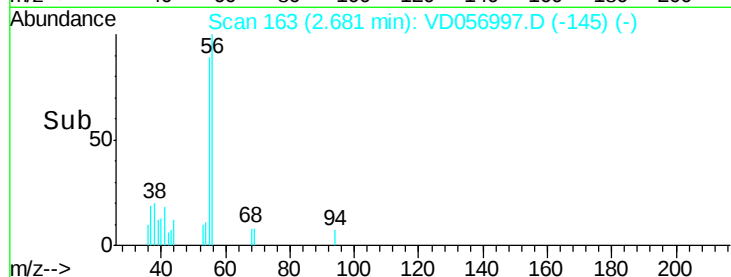
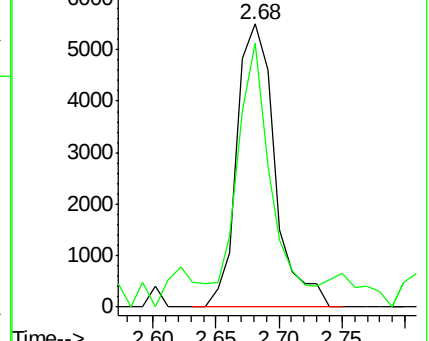
56 100

55 93.2 63.2 94.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.77 ug/l

RT: 3.20 min Scan# 216

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

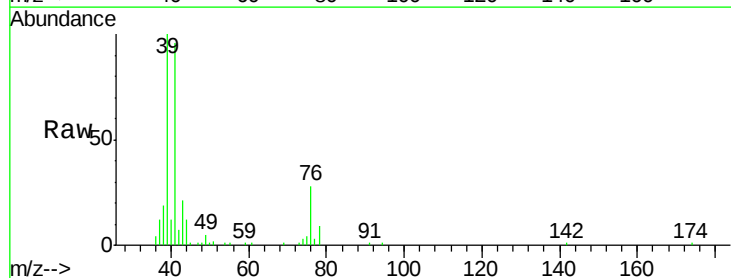
Tgt Ion: 41 Resp: 100212

Ion Ratio Lower Upper

41 100

39 104.6 81.0 121.6

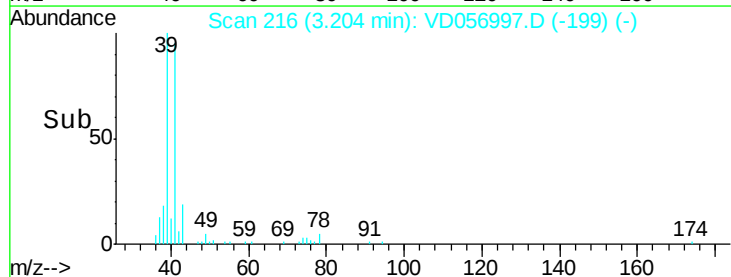
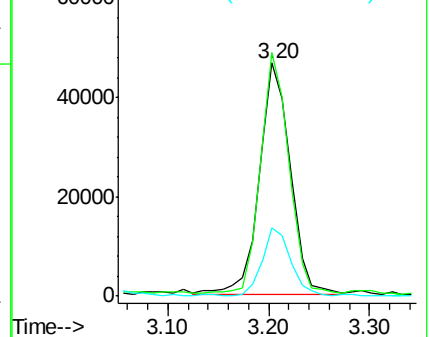
76 29.4 22.9 34.3

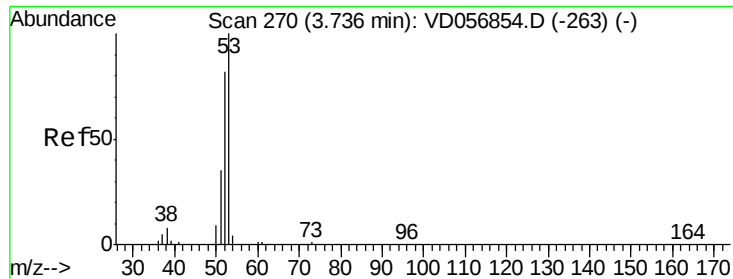


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.52 ug/l

RT: 3.70 min Scan# 266

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

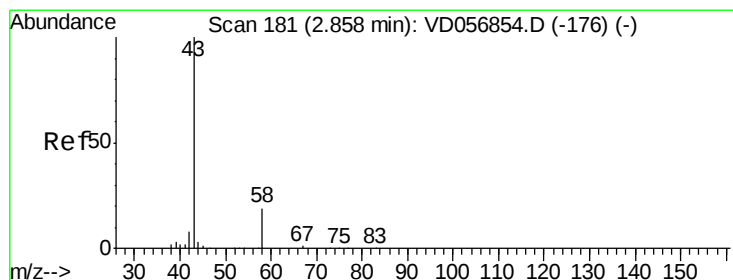
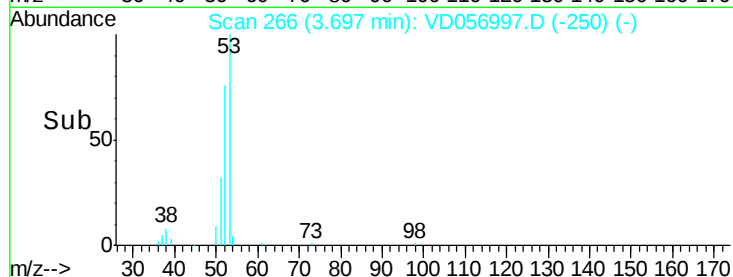
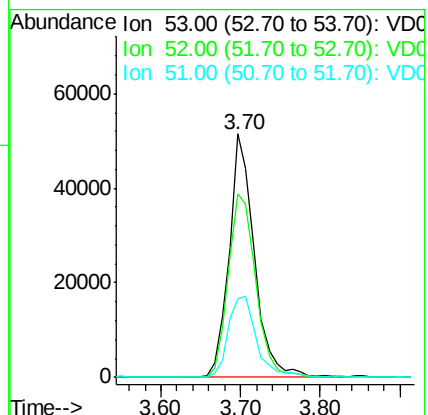
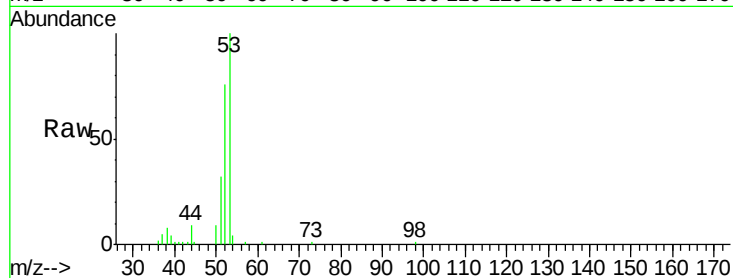
Tgt Ion: 53 Resp: 115258

Ion Ratio Lower Upper

53 100

52 75.6 66.2 99.2

51 32.4 29.6 44.4



#16

Acetone

Concen: 107.86 ug/l

RT: 2.84 min Scan# 179

Delta R.T. -0.03 min

Lab File: VD056997.D

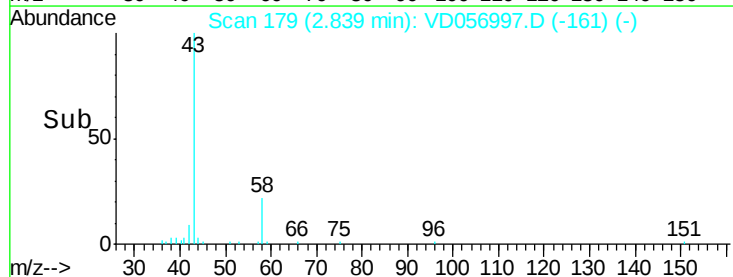
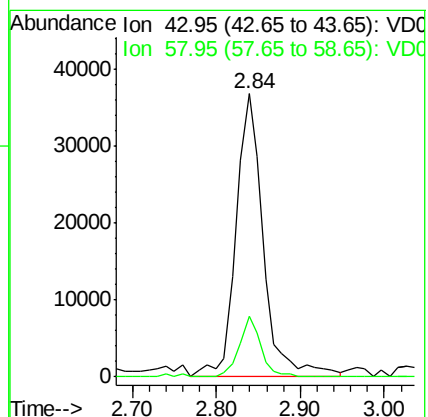
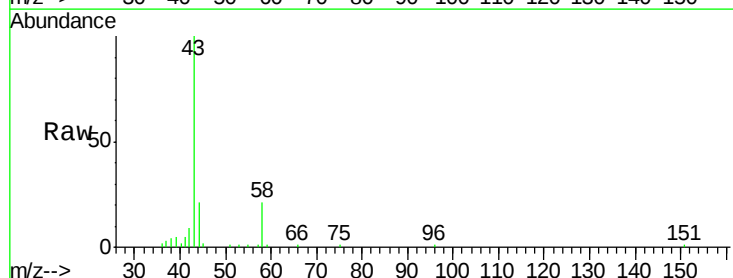
Acq: 28 Mar 2018 12:20

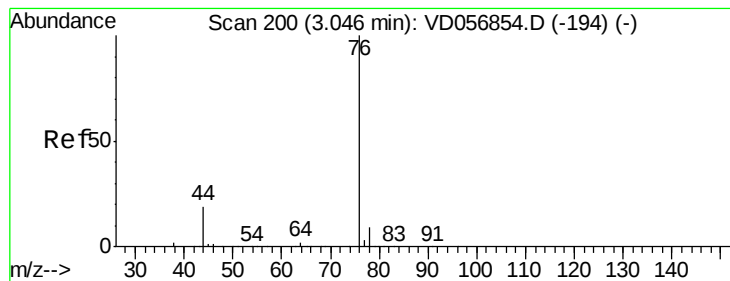
Tgt Ion: 43 Resp: 83549

Ion Ratio Lower Upper

43 100

58 21.3 13.6 20.4#





#17

Carbon Disulfide

Concen: 20.76 ug/l

RT: 3.02 min Scan# 197

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

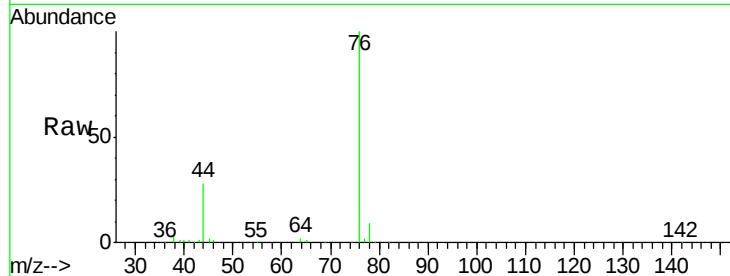
VD0328SBS01

Tgt Ion: 76 Resp: 158528

Ion Ratio Lower Upper

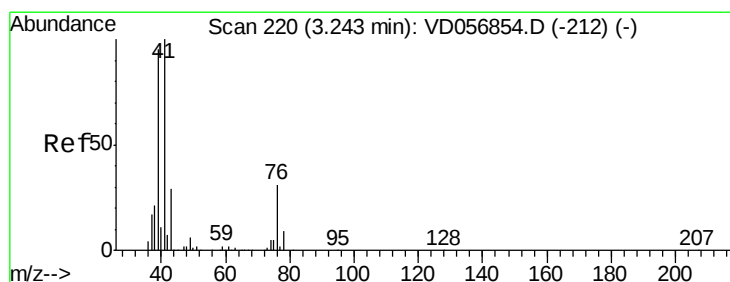
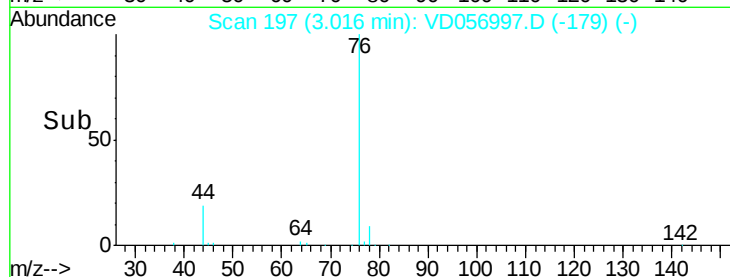
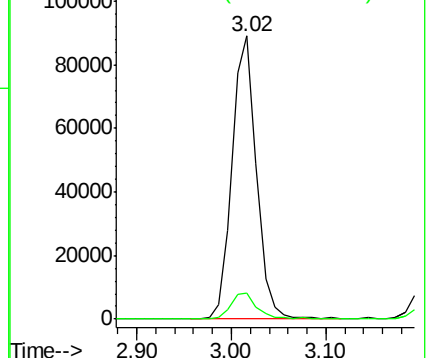
76 100

78 9.1 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.33 ug/l

RT: 3.21 min Scan# 217

Delta R.T. -0.04 min

Lab File: VD056997.D

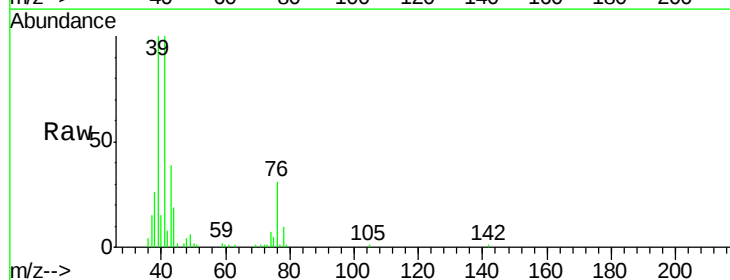
Acq: 28 Mar 2018 12:20

Tgt Ion: 43 Resp: 34074

Ion Ratio Lower Upper

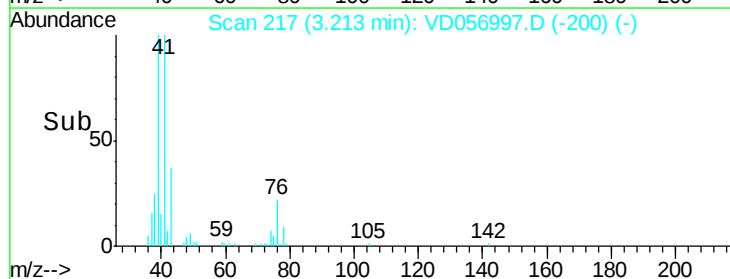
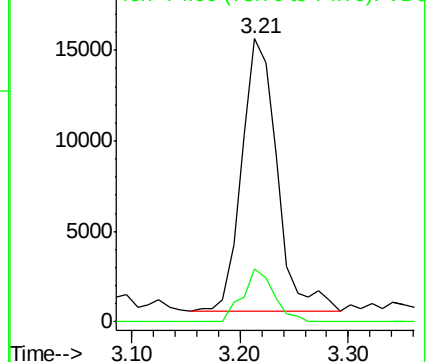
43 100

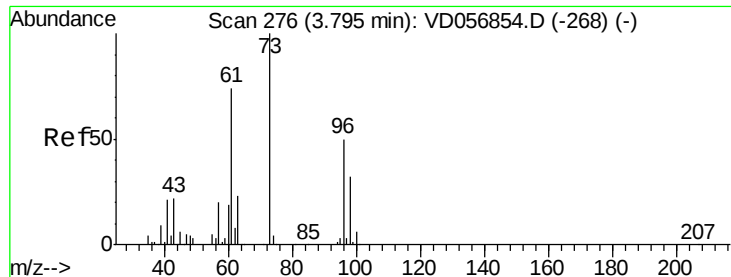
74 18.6 15.6 23.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 19.12 ug/l

RT: 3.76 min Scan# 272

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

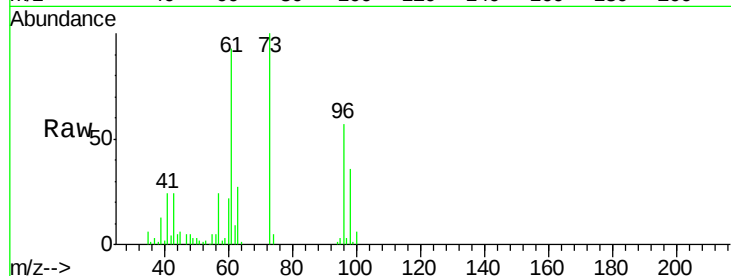
VD0328SBS01

Tgt Ion: 73 Resp: 208344

Ion Ratio Lower Upper

73 100

57 23.6 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

3.76

80000

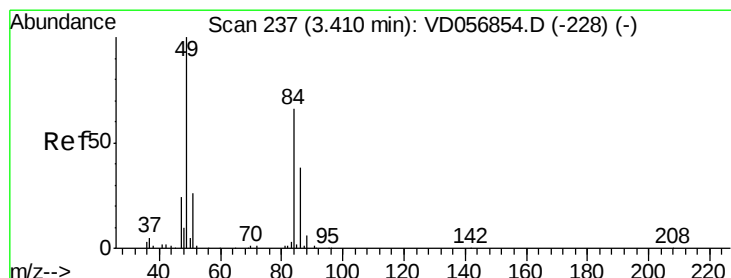
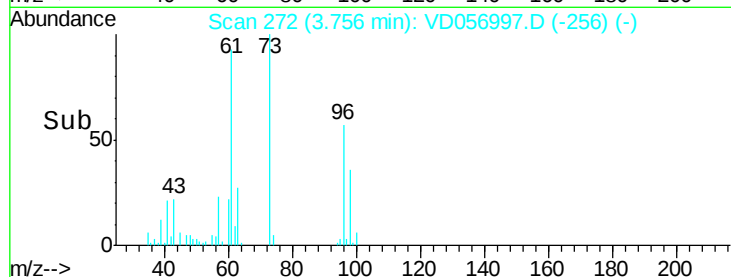
60000

40000

20000

0

Time--> 3.60 3.70 3.80 3.90



#20

Methylene Chloride

Concen: 22.92 ug/l

RT: 3.37 min Scan# 233

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Tgt Ion: 84 Resp: 55688

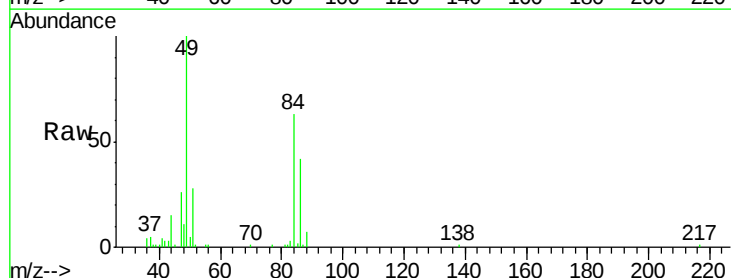
Ion Ratio Lower Upper

84 100

49 158.5 124.5 186.7

51 43.7 35.1 52.7

86 67.3 49.9 74.9



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

60000

50000

40000

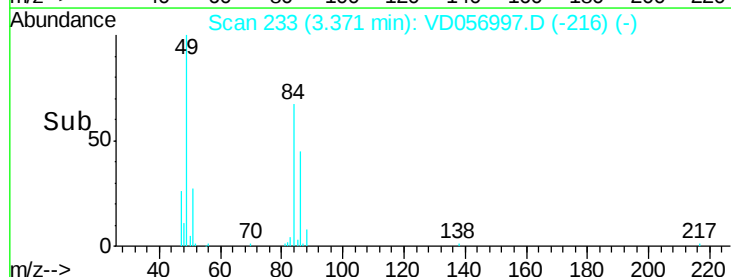
30000

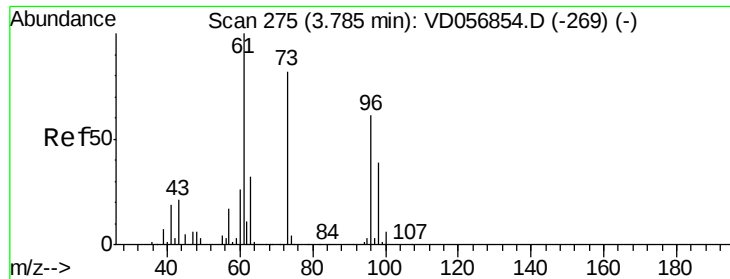
20000

10000

0

Time--> 3.30 3.35 3.40 3.45





#21

trans-1,2-Dichloroethene

Concen: 20.13 ug/l

RT: 3.75 min Scan# 271

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampled :

VD0328SBS01

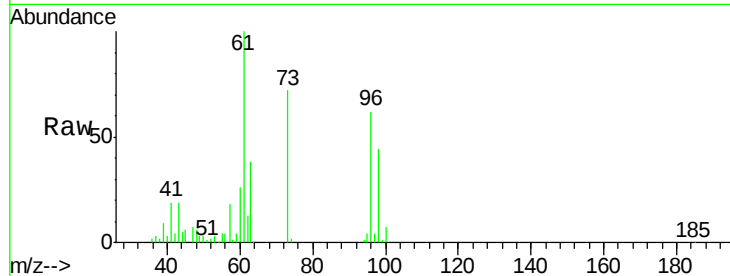
Tgt Ion: 96 Resp: 115557

Ion Ratio Lower Upper

96 100

61 161.1 127.1 190.7

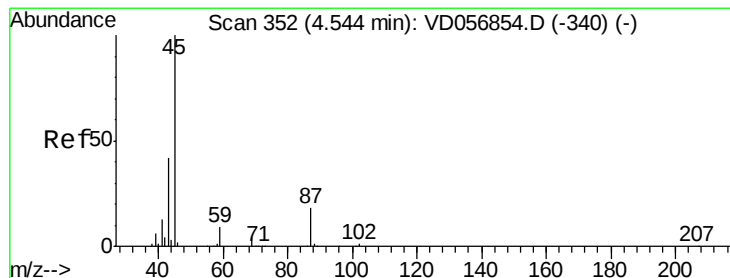
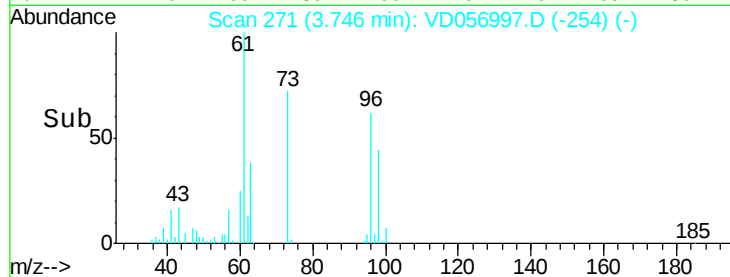
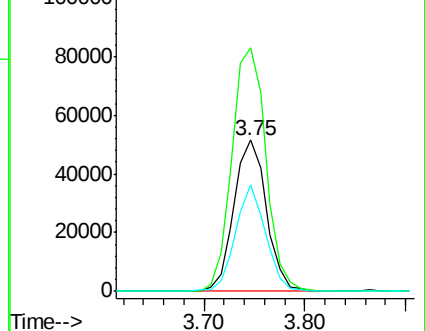
98 70.5 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.46 ug/l

RT: 4.51 min Scan# 348

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Tgt Ion: 45 Resp: 437337

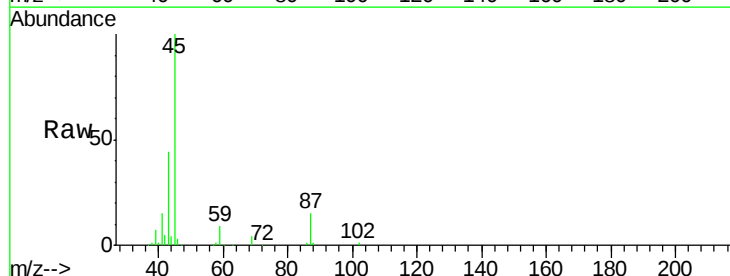
Ion Ratio Lower Upper

45 100

43 43.7 35.0 52.4

87 15.5 14.2 21.4

59 9.4 8.2 12.2

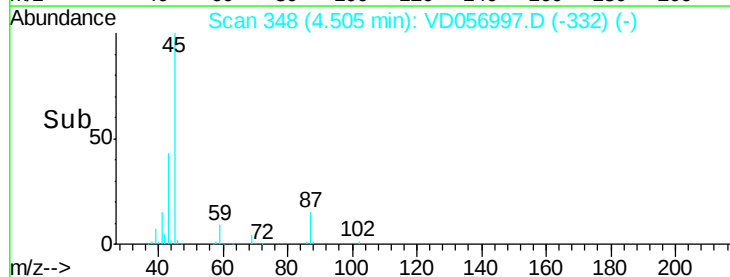
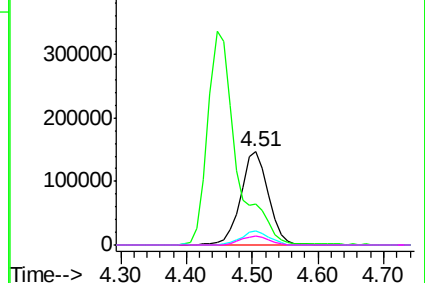


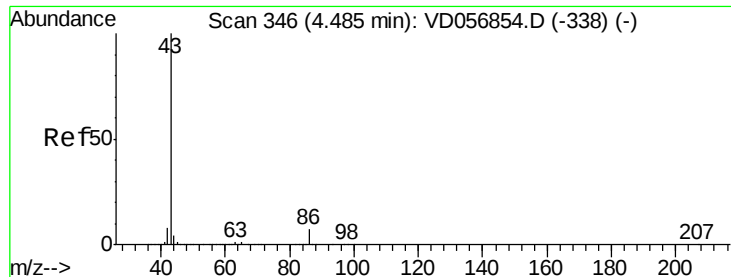
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 104.14 ug/l

RT: 4.45 min Scan# 342

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

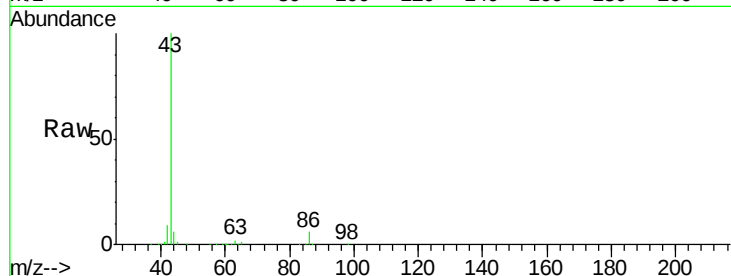
VD0328SBS01

Tgt Ion: 43 Resp: 1001254

Ion Ratio Lower Upper

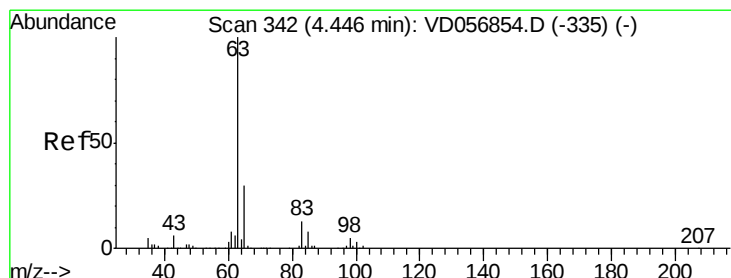
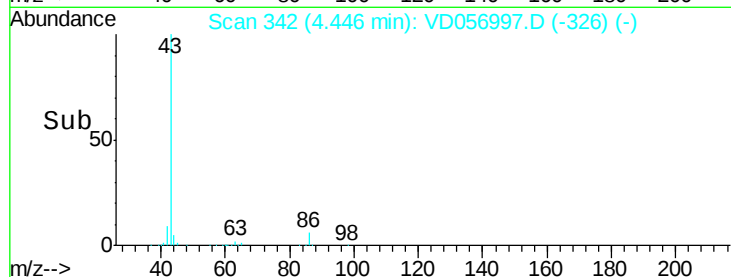
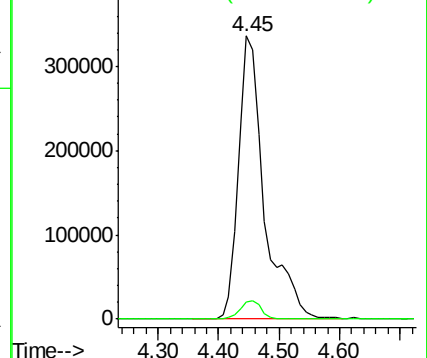
43 100

86 5.9 5.8 8.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.06 ug/l

RT: 4.41 min Scan# 338

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

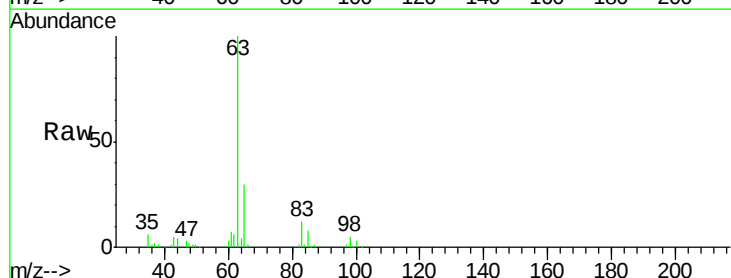
Tgt Ion: 63 Resp: 239468

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.4

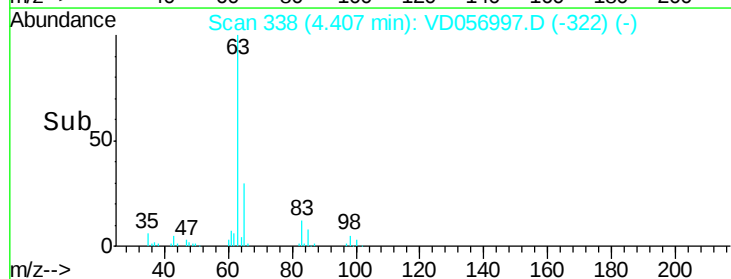
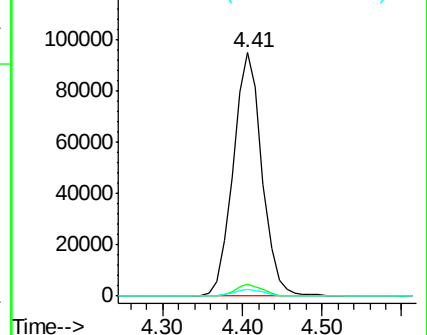
100 2.6 1.5 4.5

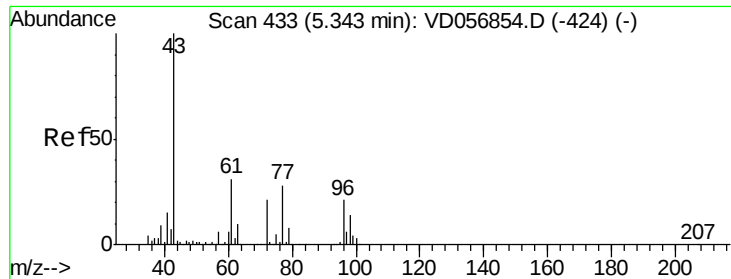


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.52 ug/l

RT: 5.30 min Scan# 429

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

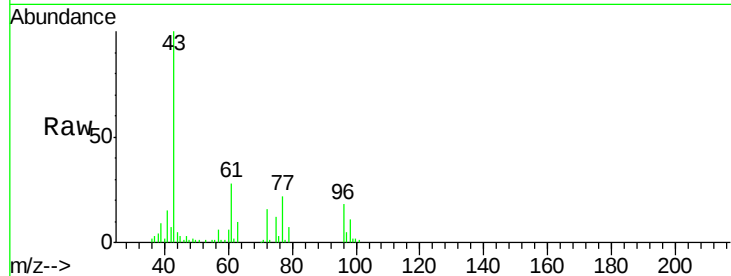
VD0328SBS01

Tgt Ion: 43 Resp: 187130

Ion Ratio Lower Upper

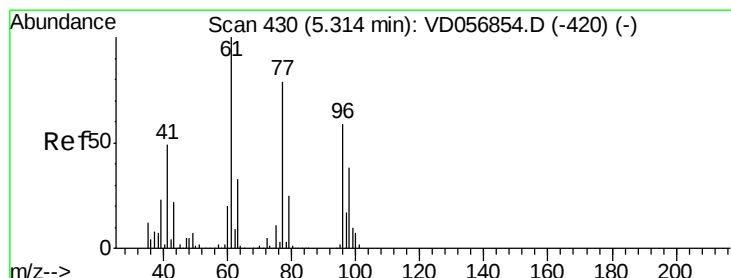
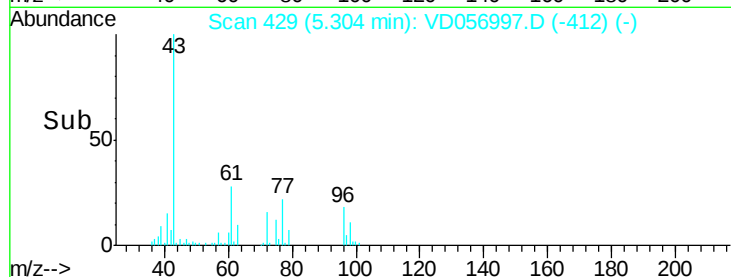
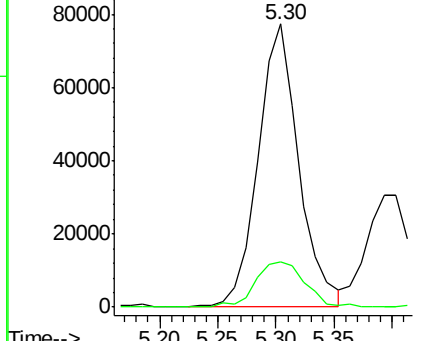
43 100

72 16.1 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.23 ug/l

RT: 5.27 min Scan# 426

Delta R.T. -0.04 min

Lab File: VD056997.D

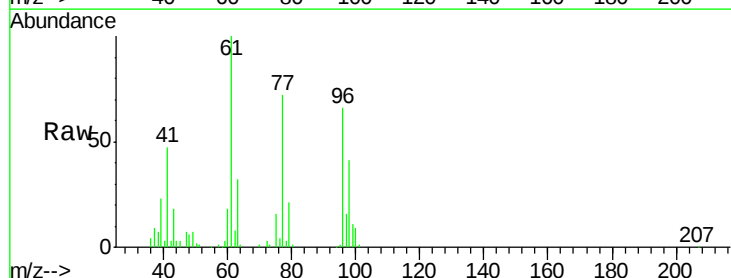
Acq: 28 Mar 2018 12:20

Tgt Ion: 77 Resp: 194098

Ion Ratio Lower Upper

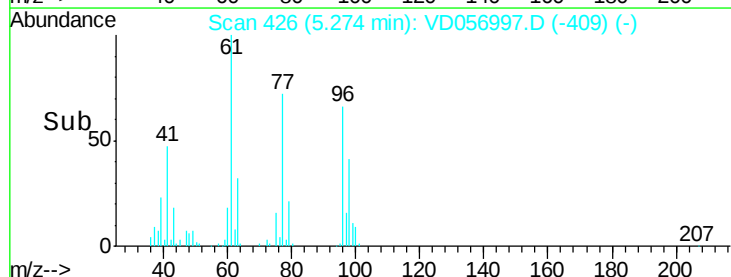
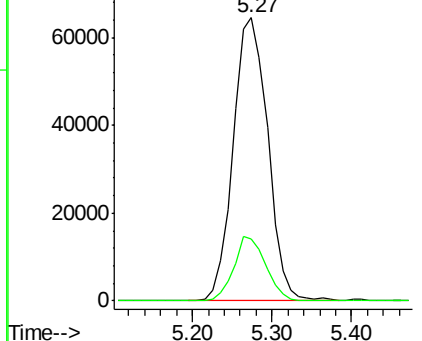
77 100

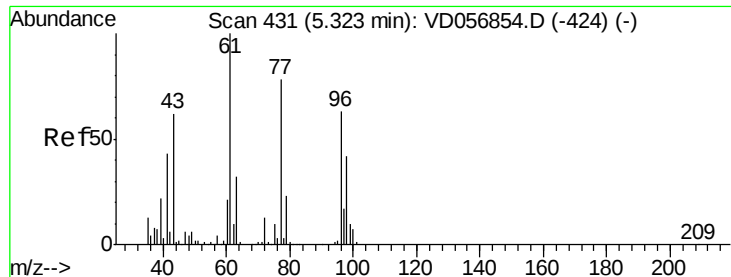
97 22.1 10.7 32.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 21.49 ug/l

RT: 5.27 min Scan# 426

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

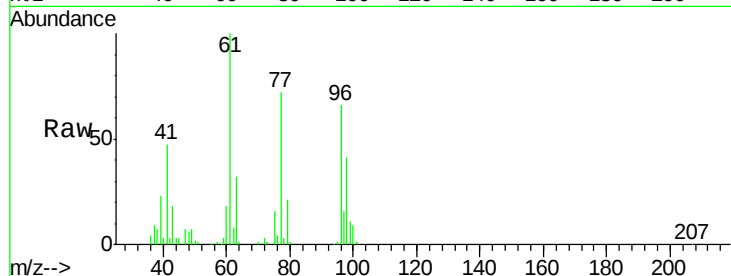
Tgt Ion: 96 Resp: 135416

Ion Ratio Lower Upper

96 100

61 152.0 0.0 319.4

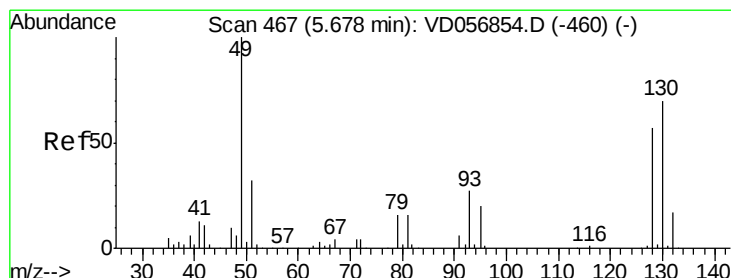
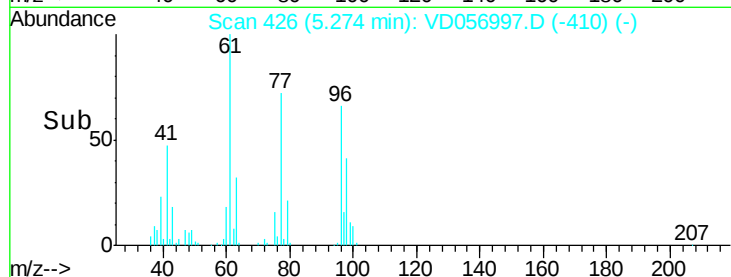
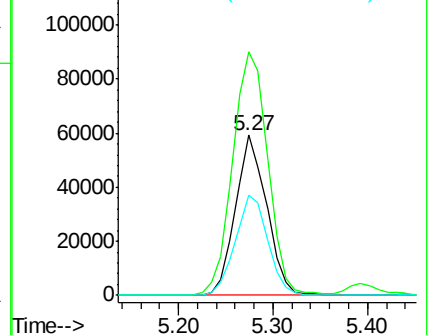
98 62.9 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 22.40 ug/l

RT: 5.64 min Scan# 463

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

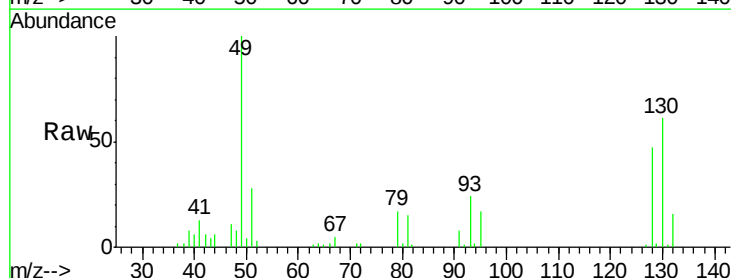
Tgt Ion: 49 Resp: 94094

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

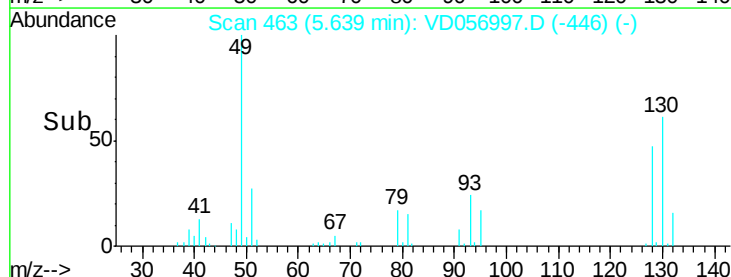
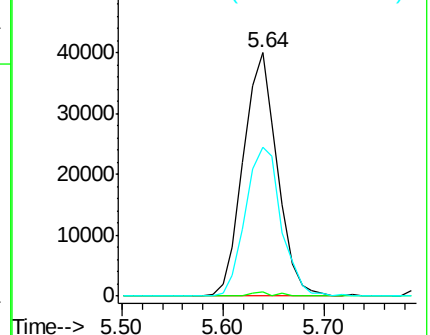
130 61.1 53.0 79.6

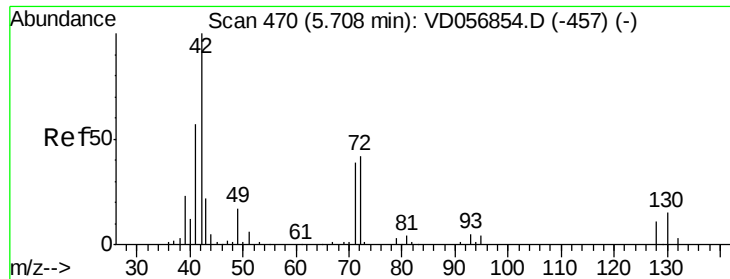


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.28 ug/l

RT: 5.67 min Scan# 466

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

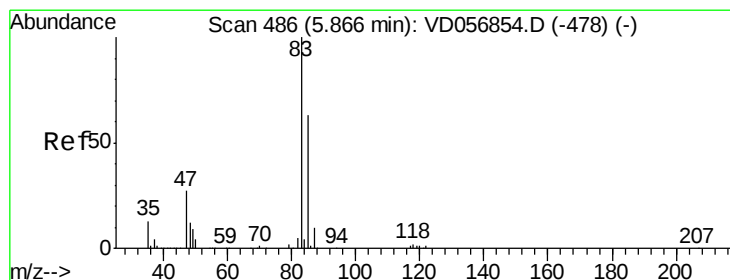
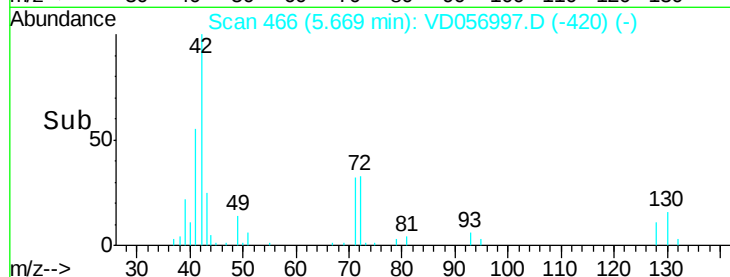
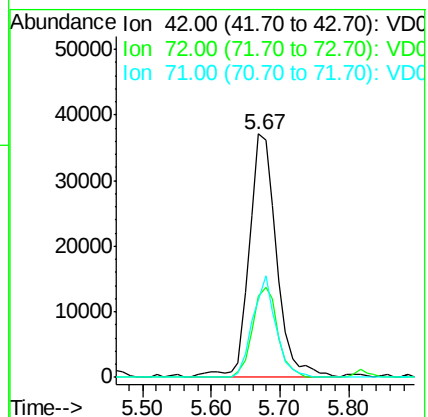
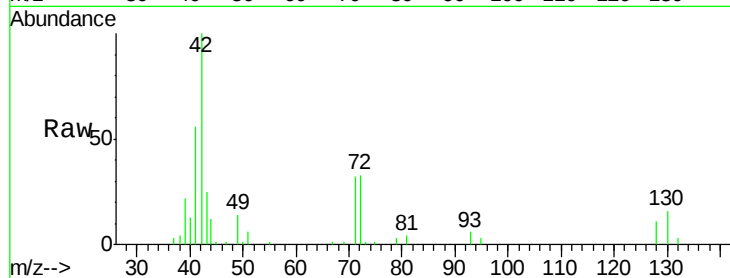
Tgt Ion: 42 Resp: 102874

Ion Ratio Lower Upper

42 100

72 33.9 30.9 46.3

71 34.9 30.4 45.6



#30

Chloroform

Concen: 20.50 ug/l

RT: 5.82 min Scan# 481

Delta R.T. -0.05 min

Lab File: VD056997.D

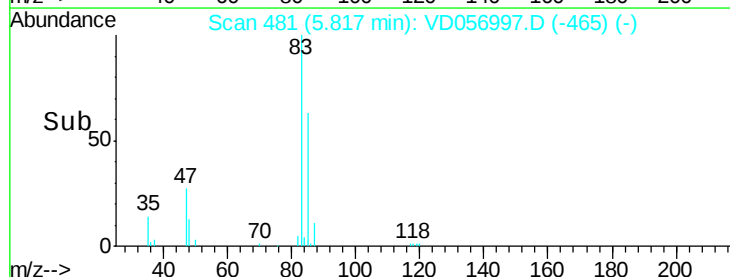
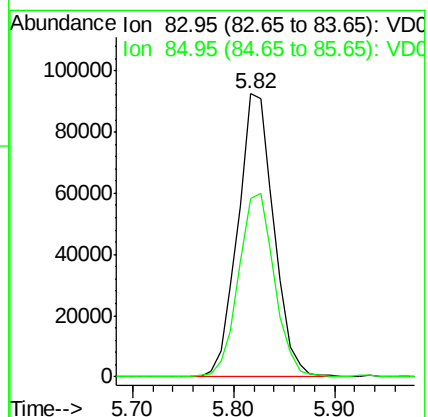
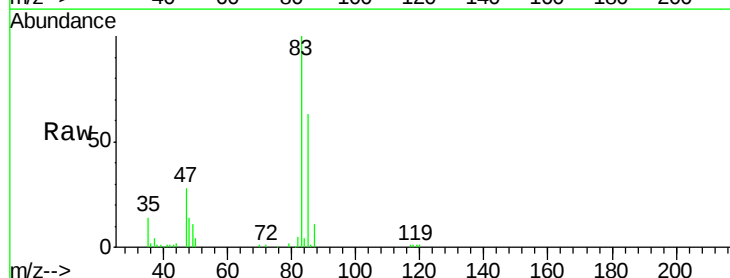
Acq: 28 Mar 2018 12:20

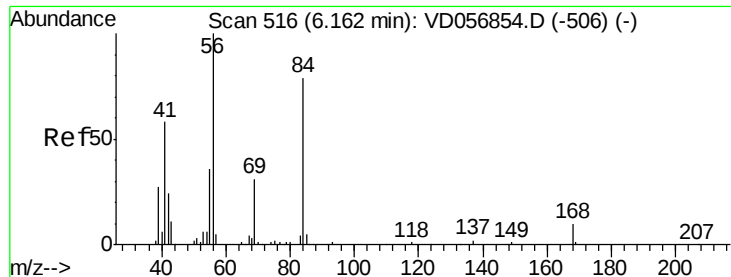
Tgt Ion: 83 Resp: 229554

Ion Ratio Lower Upper

83 100

85 63.1 51.9 77.9

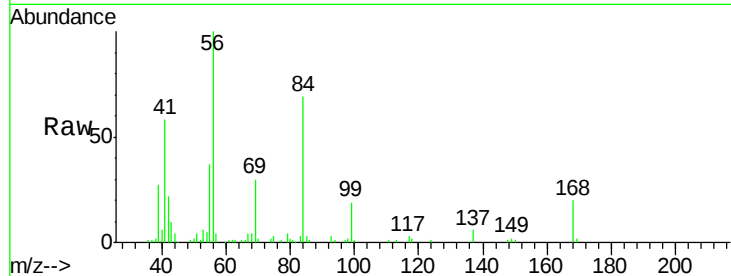




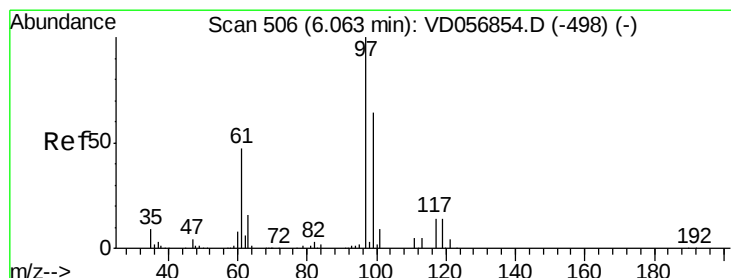
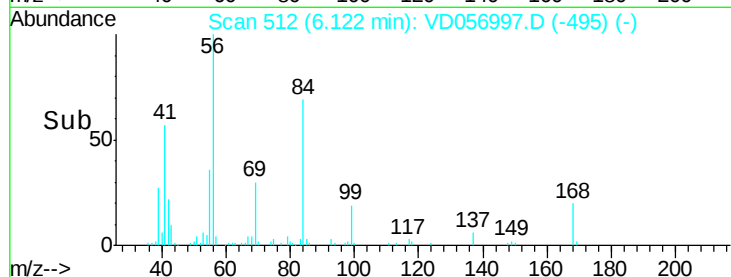
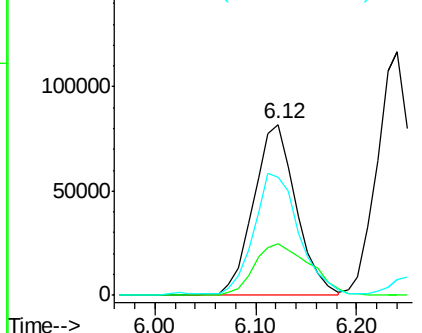
#31
Cyclohexane
Concen: 21.72 ug/l
RT: 6.12 min Scan# 512
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

Tgt Ion: 56 Resp: 241351
Ion Ratio Lower Upper
56 100
69 30.1 23.1 34.7
84 68.9 60.2 90.2

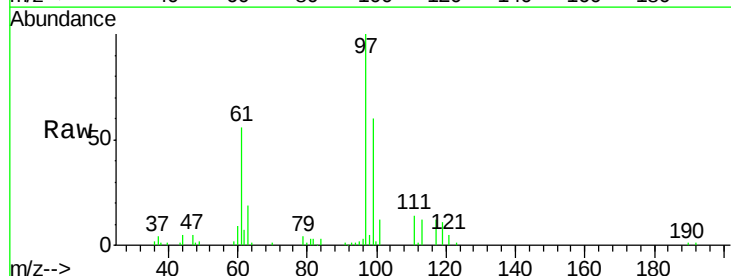


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

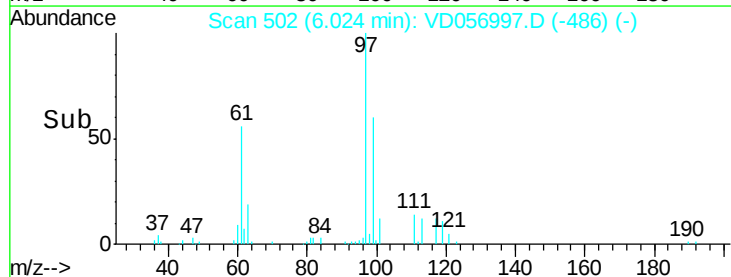
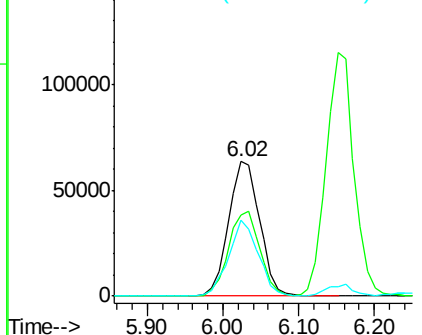


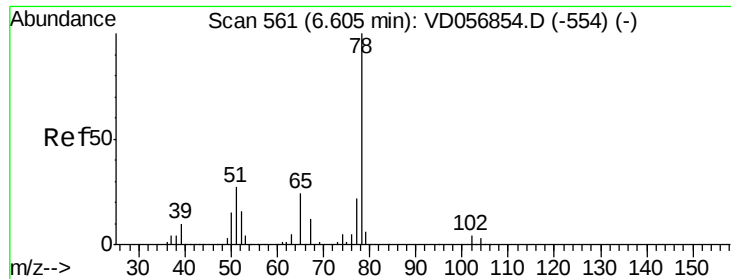
#32
1,1,1-Trichloroethane
Concen: 20.00 ug/l
RT: 6.02 min Scan# 502
Delta R.T. -0.05 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion: 97 Resp: 181288
Ion Ratio Lower Upper
97 100
99 59.8 51.2 76.8
61 56.4 38.8 58.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

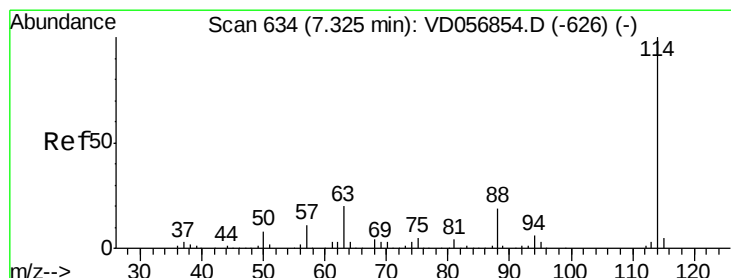
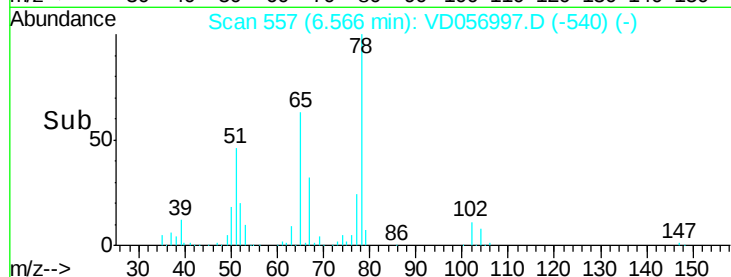
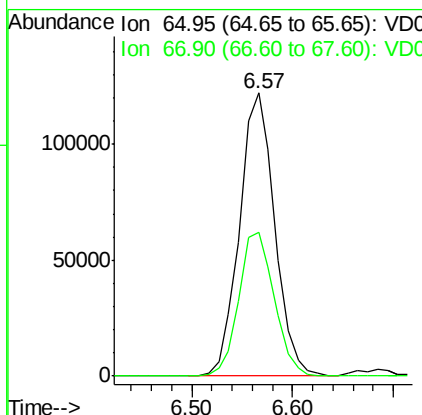
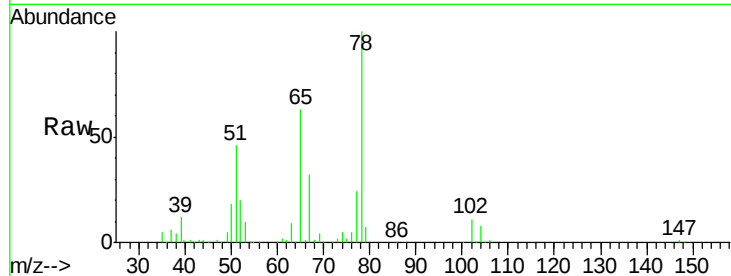




#33
 1,2-Dichloroethane-d4
 Concen: 20.00 ug/l
 RT: 6.57 min Scan# 557
 Delta R.T. -0.04 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

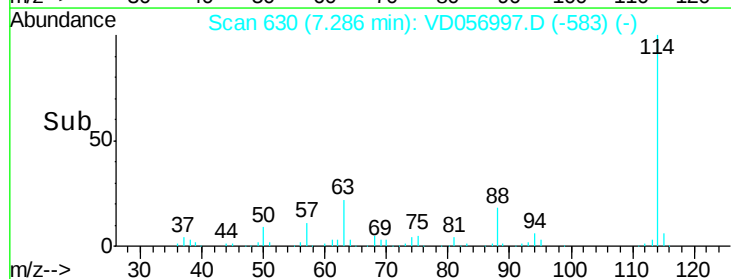
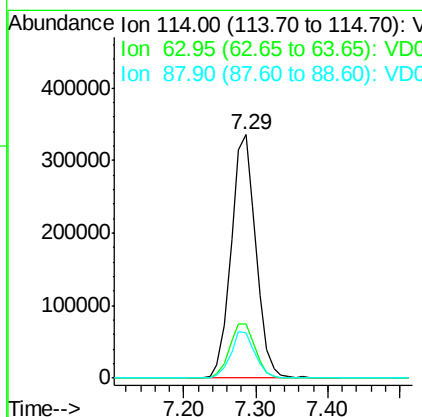
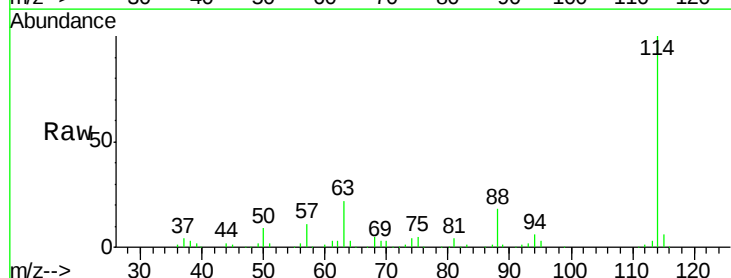
Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

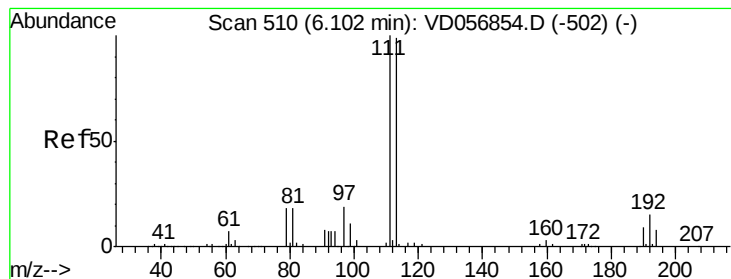
Tgt Ion: 65 Resp: 297009
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.29 min Scan# 630
 Delta R.T. -0.04 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion: 114 Resp: 799496
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.6
 88 18.5 0.0 35.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.06 min Scan# 506

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

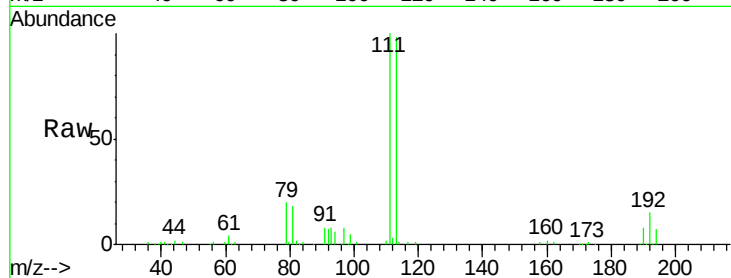
Tgt Ion:113 Resp: 329507

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

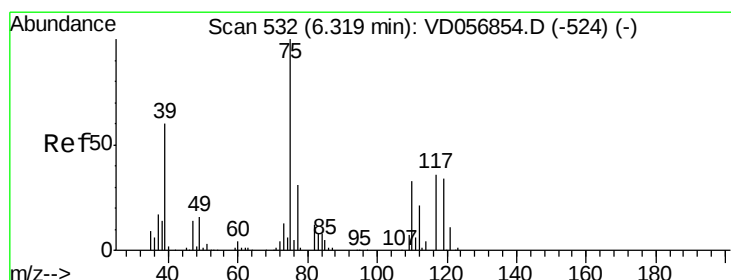
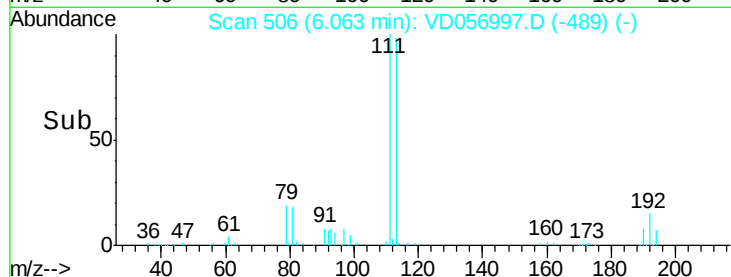
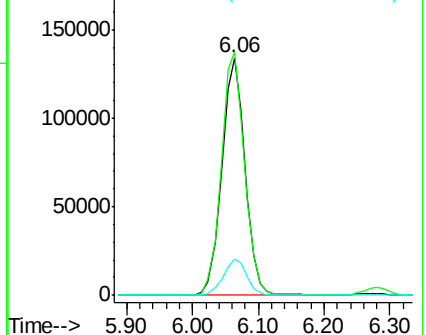
192 15.3 12.6 19.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.84 ug/l

RT: 6.28 min Scan# 528

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

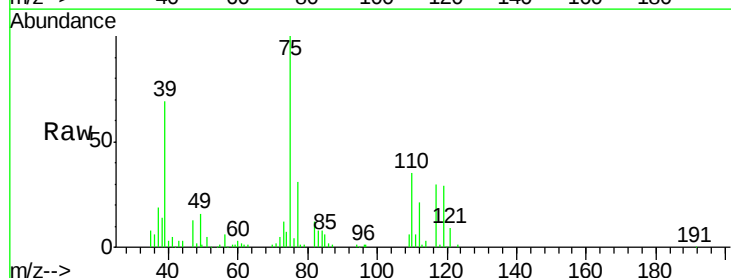
Tgt Ion: 75 Resp: 191062

Ion Ratio Lower Upper

75 100

110 35.2 15.9 47.6

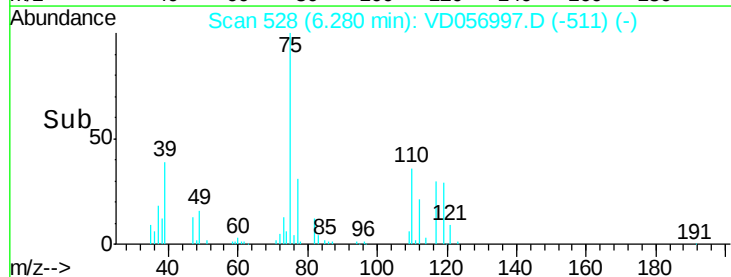
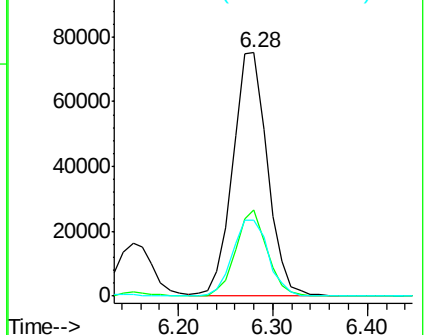
77 31.3 23.8 35.6

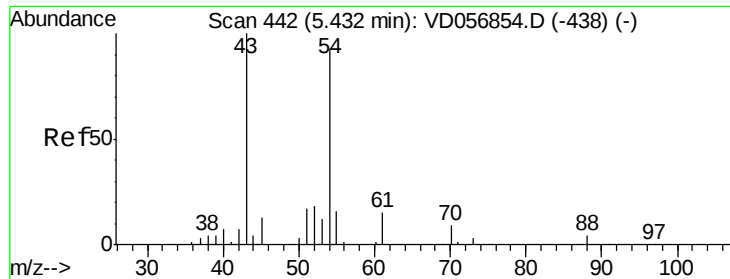


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

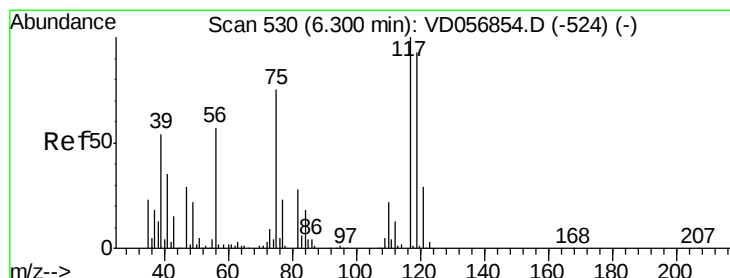
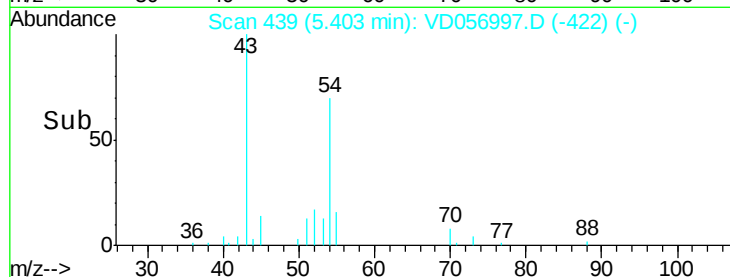
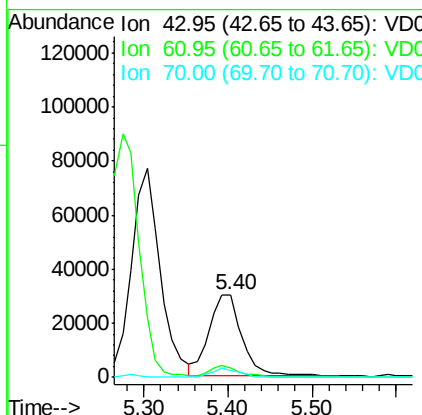
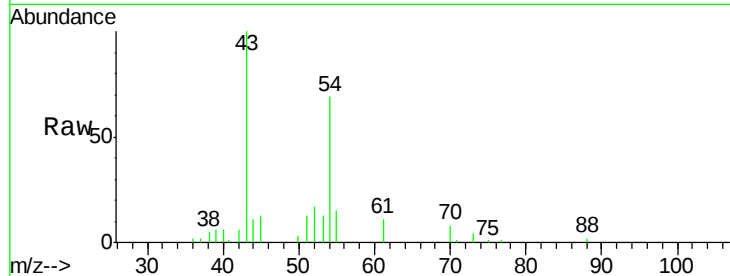




#37
Ethyl Acetate
Concen: 20.04 ug/l
RT: 5.40 min Scan# 439
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

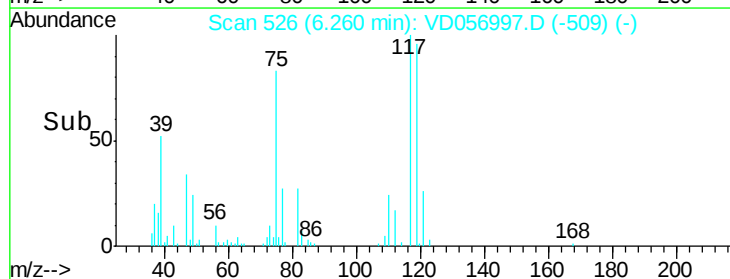
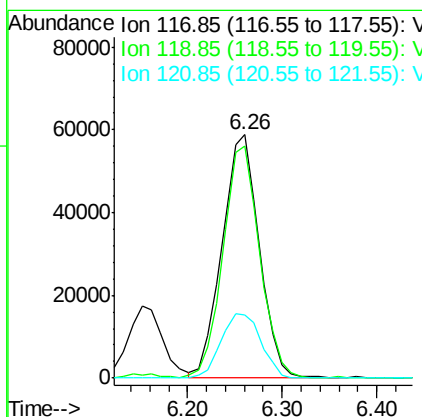
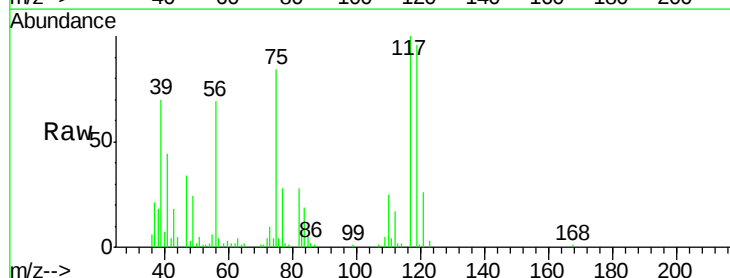
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

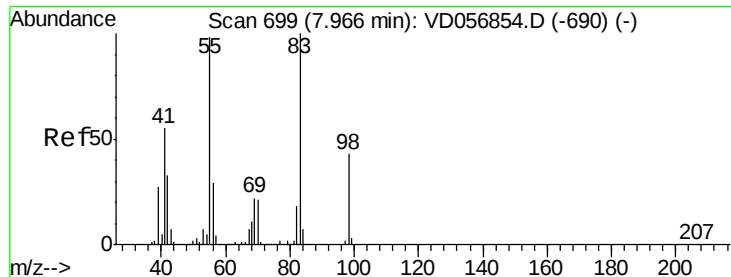
Tgt Ion: 43 Resp: 82795
Ion Ratio Lower Upper
43 100
61 10.8 10.0 15.0
70 8.2 7.9 11.9



#38
Carbon Tetrachloride
Concen: 21.36 ug/l
RT: 6.26 min Scan# 526
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion: 117 Resp: 160361
Ion Ratio Lower Upper
117 100
119 95.5 78.2 117.2
121 26.1 24.6 37.0

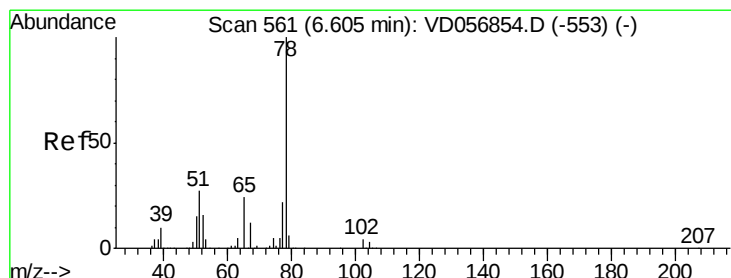
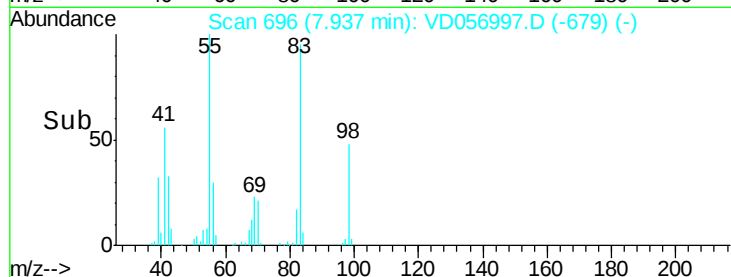
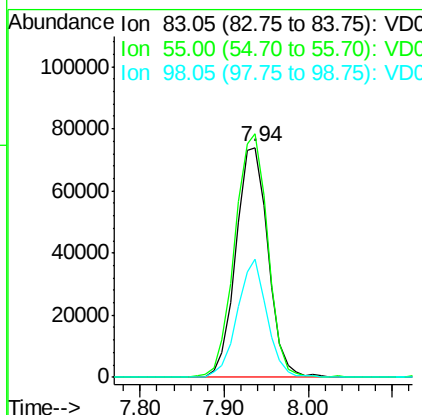
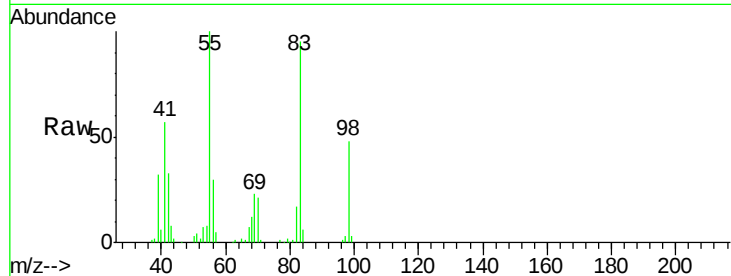




#39
Methylcyclohexane
Concen: 19.83 ug/l
RT: 7.94 min Scan# 696
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

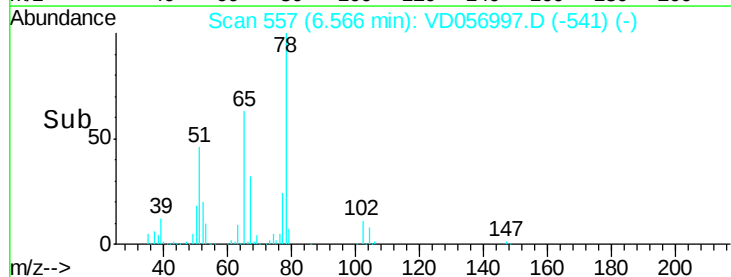
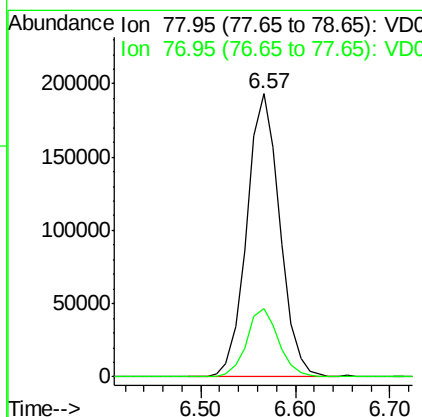
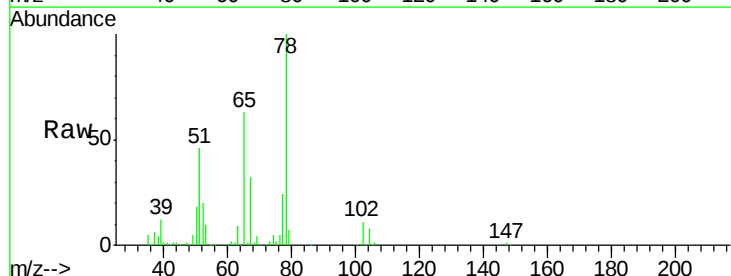
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

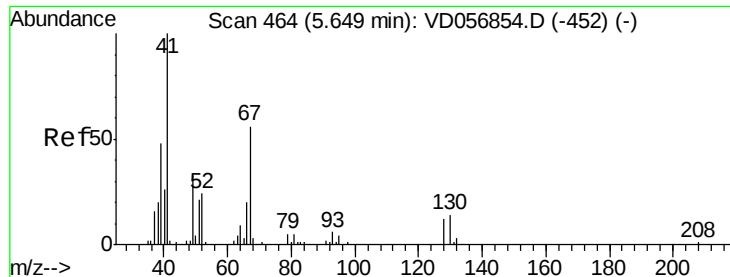
Tgt Ion: 83 Resp: 198359
Ion Ratio Lower Upper
83 100
55 105.8 73.4 110.0
98 51.2 36.5 54.7



#40
Benzene
Concen: 21.46 ug/l
RT: 6.57 min Scan# 557
Delta R.T. -0.05 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion: 78 Resp: 468561
Ion Ratio Lower Upper
78 100
77 24.2 18.6 28.0

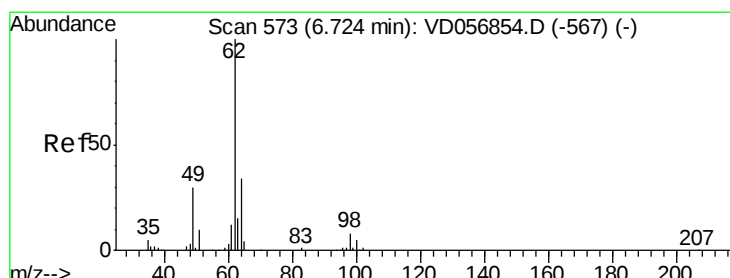
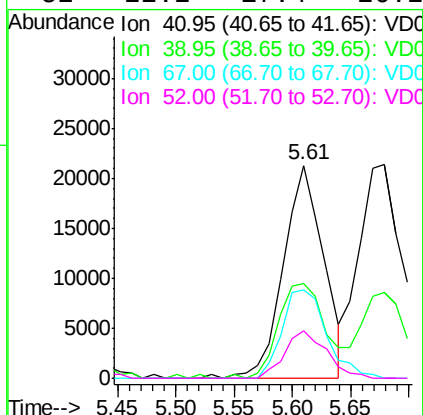
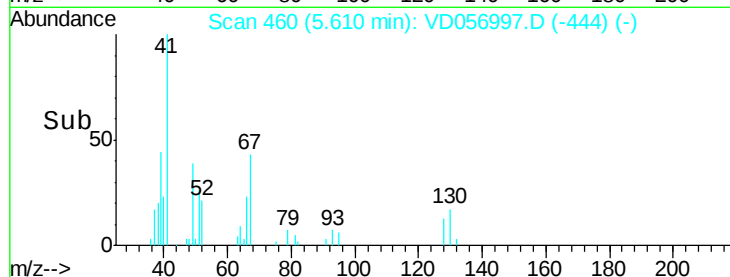
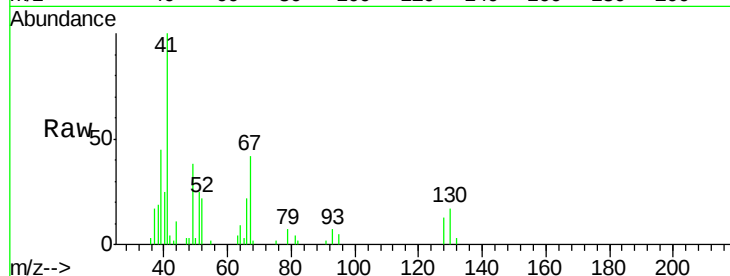




#41
Methacrylonitrile
Concen: 21.80 ug/l
RT: 5.61 min Scan# 460
Delta R.T. -0.05 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

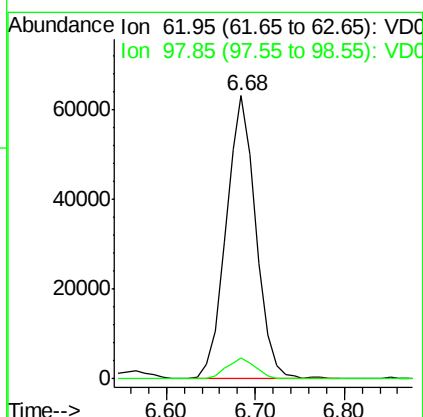
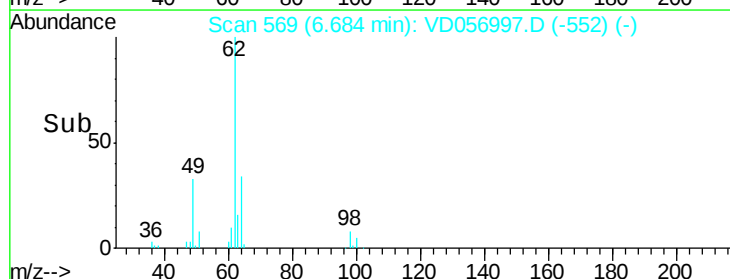
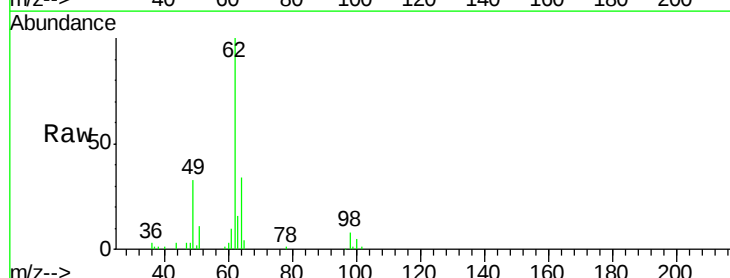
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

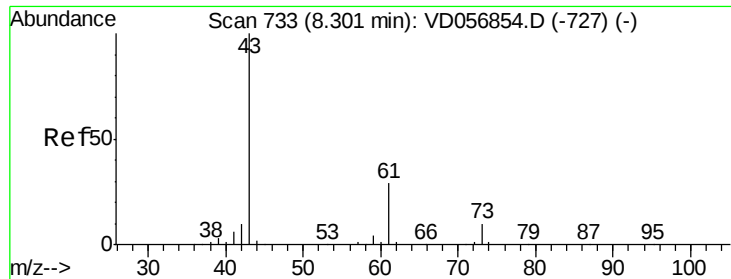
Tgt Ion: 41 Resp: 50971
Ion Ratio Lower Upper
41 100
39 44.6 43.0 64.4
67 41.5 48.3 72.5#
52 22.2 17.4 26.2



#42
1,2-Dichloroethane
Concen: 23.06 ug/l
RT: 6.68 min Scan# 569
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion: 62 Resp: 148269
Ion Ratio Lower Upper
62 100
98 7.6 0.0 16.4





#43

Isopropyl Acetate

Concen: 20.54 ug/l

RT: 8.27 min Scan# 730

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

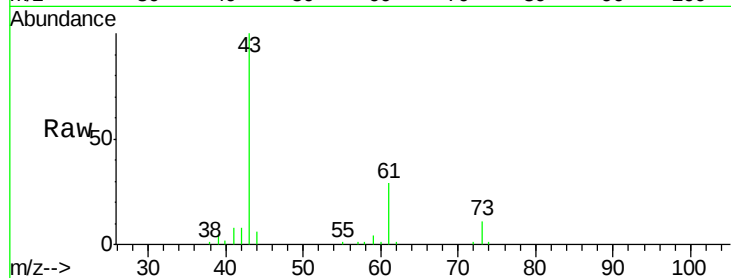
Tgt Ion: 43 Resp: 126817

Ion Ratio Lower Upper

43 100

61 29.0 23.4 35.0

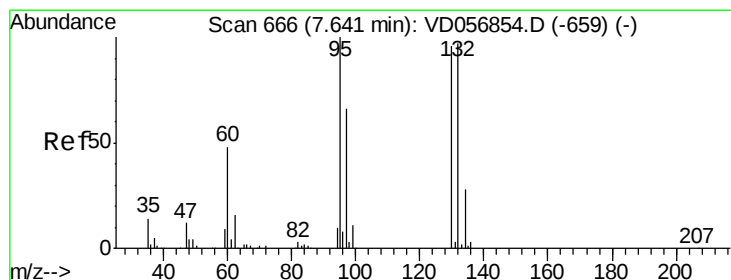
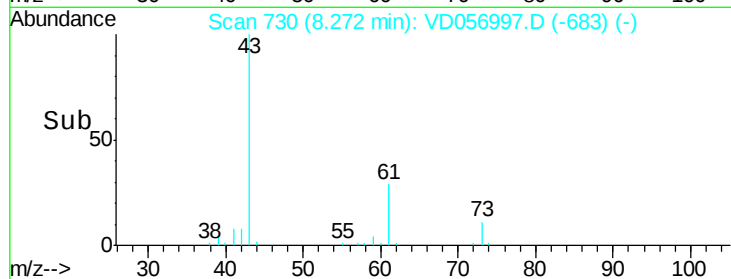
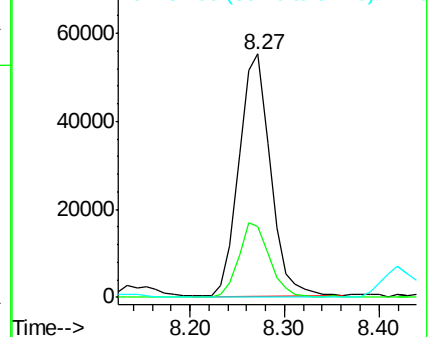
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.59 ug/l

RT: 7.60 min Scan# 662

Delta R.T. -0.05 min

Lab File: VD056997.D

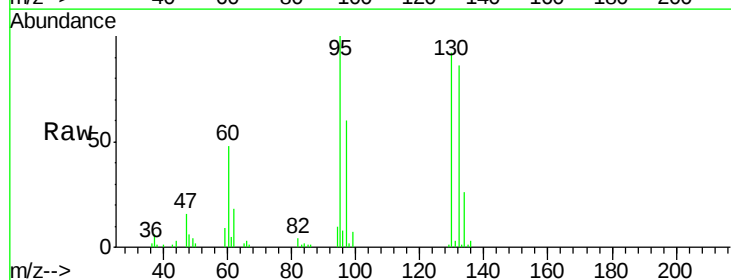
Acq: 28 Mar 2018 12:20

Tgt Ion:130 Resp: 125801

Ion Ratio Lower Upper

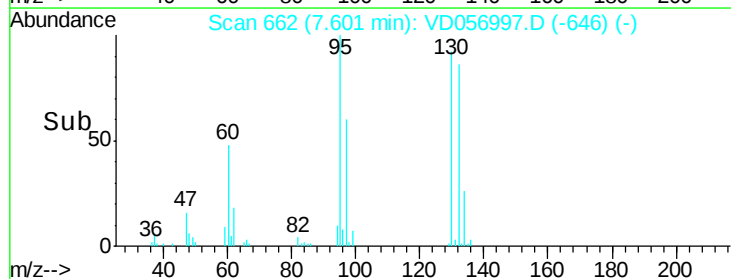
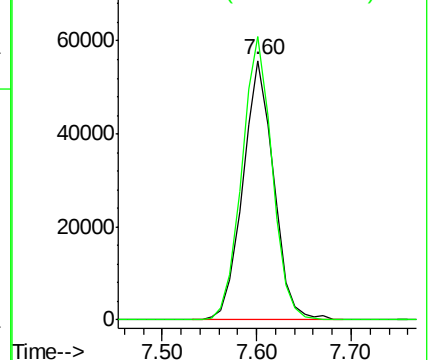
130 100

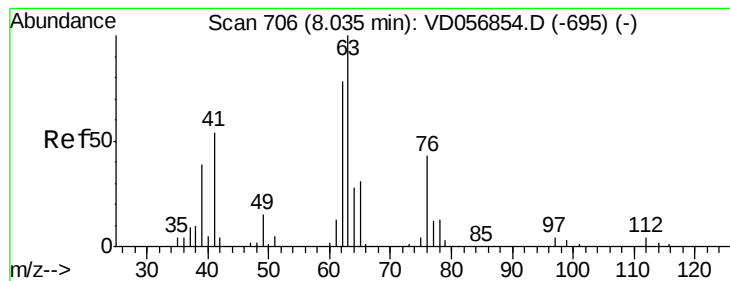
95 109.2 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.33 ug/l

RT: 8.00 min Scan# 702

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

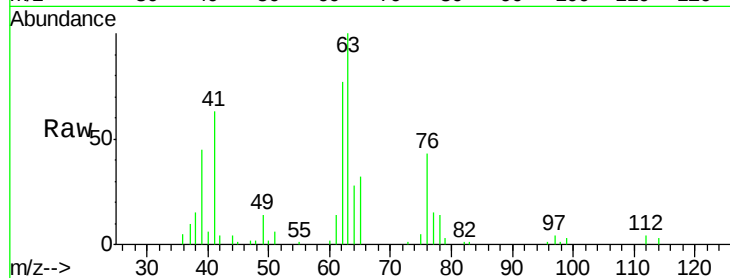
VD0328SBS01

Tgt Ion: 63 Resp: 139107

Ion Ratio Lower Upper

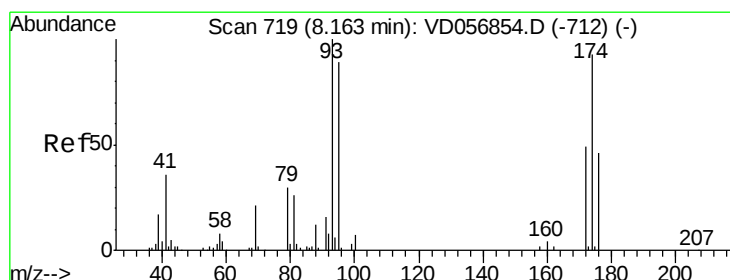
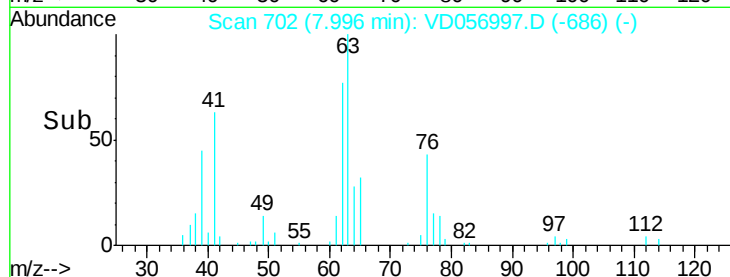
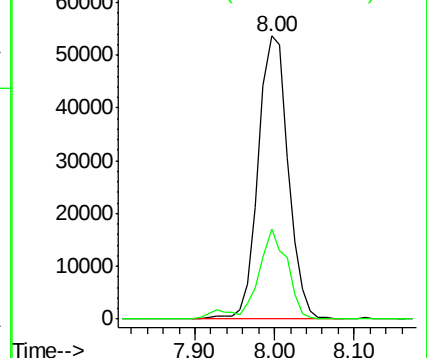
63 100

65 31.9 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.87 ug/l

RT: 8.12 min Scan# 715

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

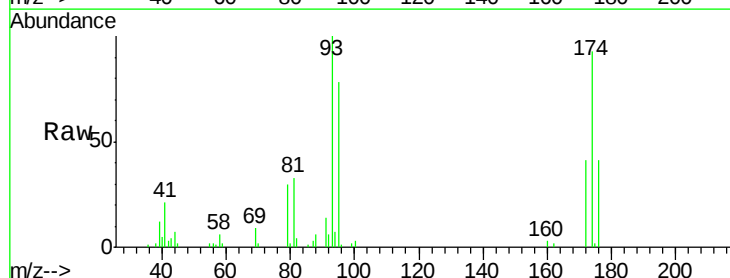
Tgt Ion: 93 Resp: 68169

Ion Ratio Lower Upper

93 100

95 78.2 65.0 97.6

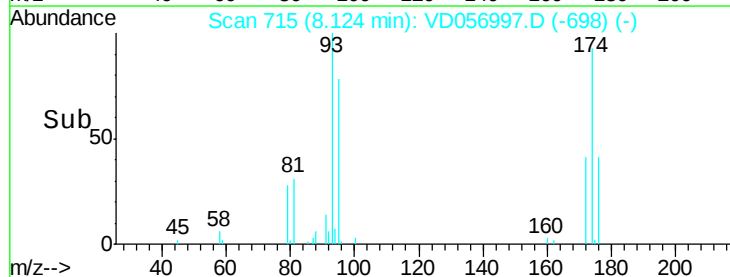
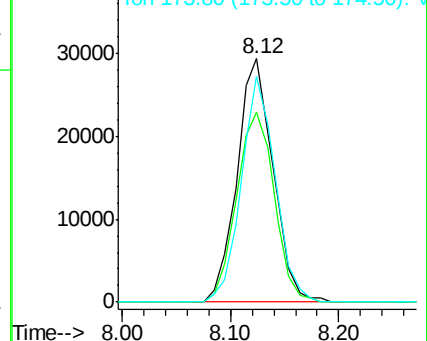
174 92.6 71.8 107.8

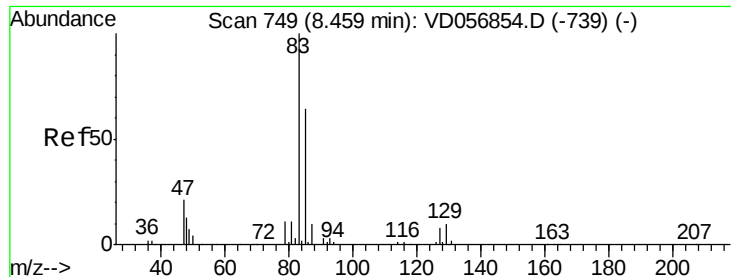


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.74 ug/l

RT: 8.42 min Scan# 745

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

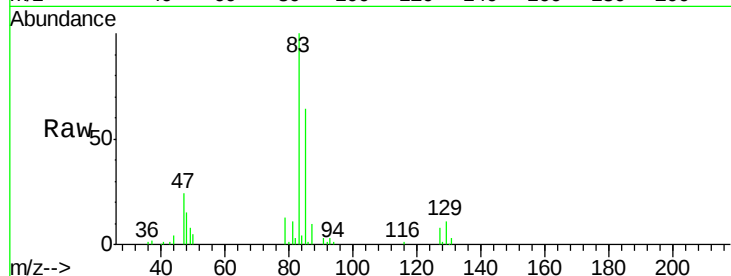
Tgt Ion: 83 Resp: 166642

Ion Ratio Lower Upper

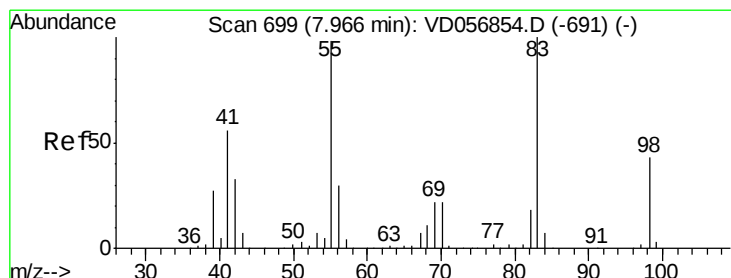
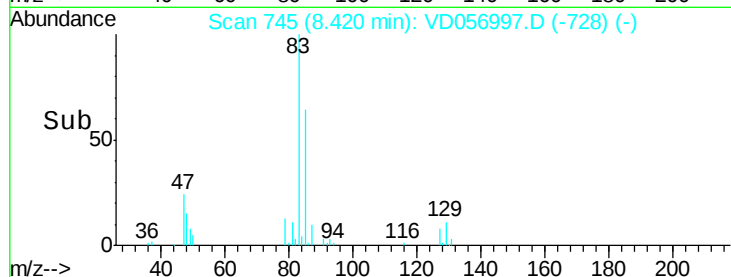
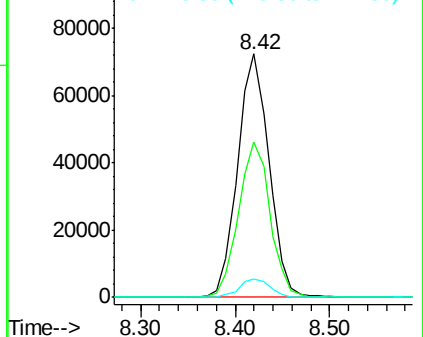
83 100

85 63.6 50.2 75.4

127 7.6 6.4 9.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 22.76 ug/l

RT: 7.93 min Scan# 695

Delta R.T. -0.05 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

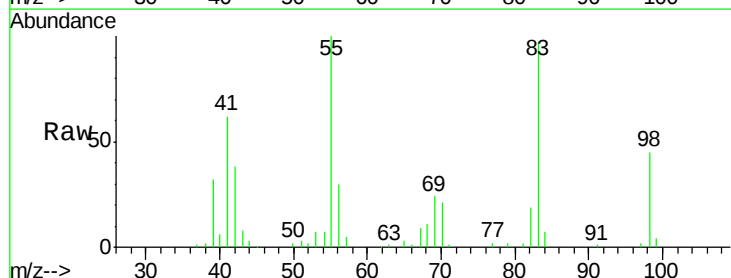
Tgt Ion: 41 Resp: 124193

Ion Ratio Lower Upper

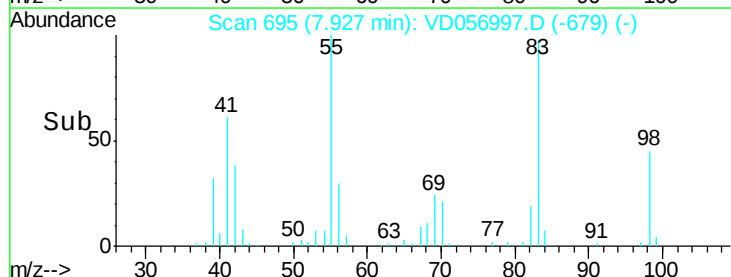
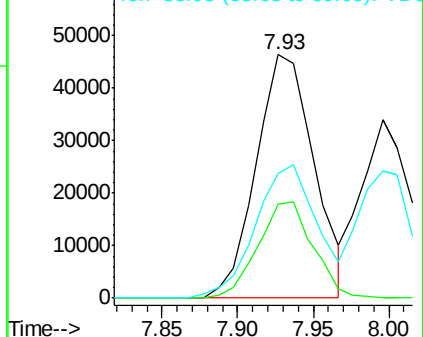
41 100

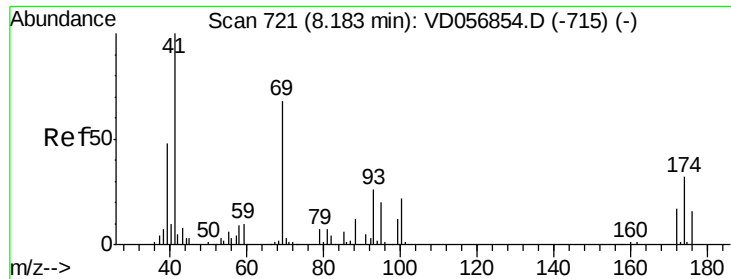
69 38.5 34.8 52.2

39 51.4 43.3 64.9



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

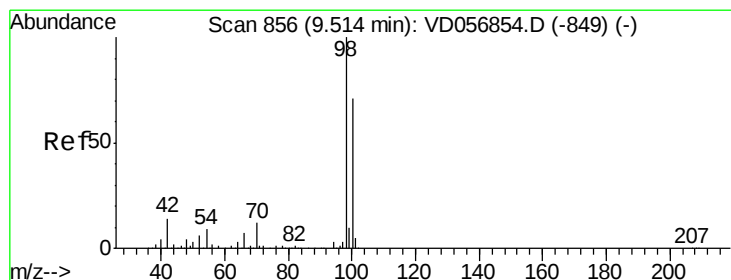
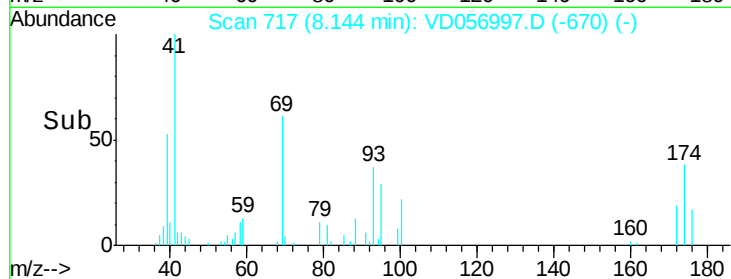
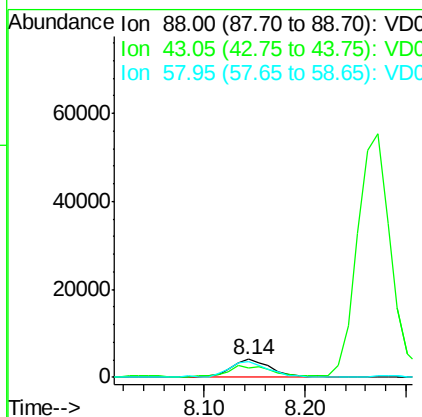
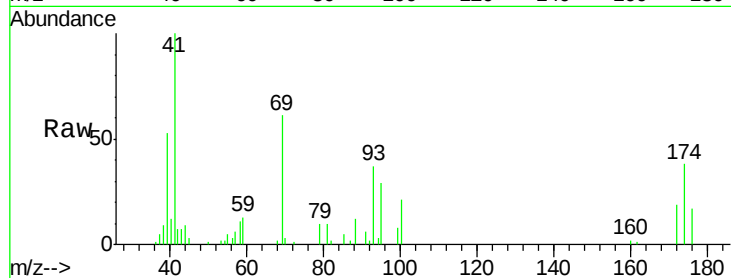




#49
1,4-Dioxane
Concen: 392.37 ug/l
RT: 8.14 min Scan# 717
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

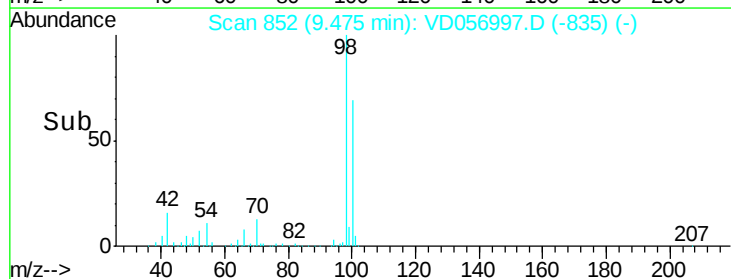
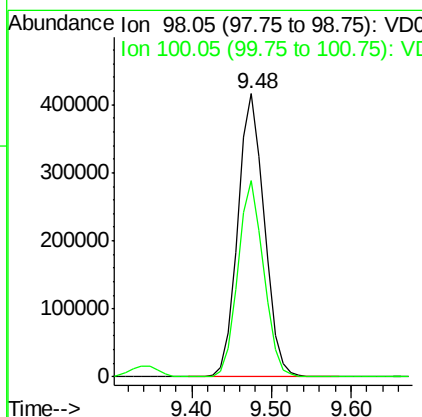
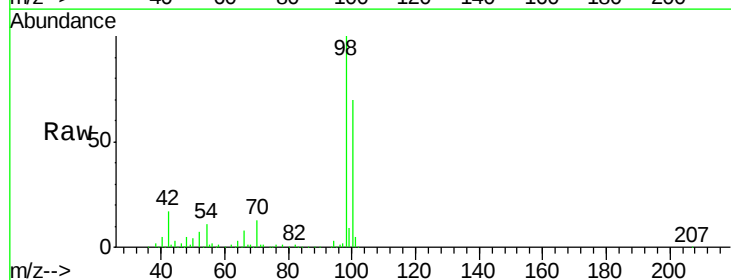
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

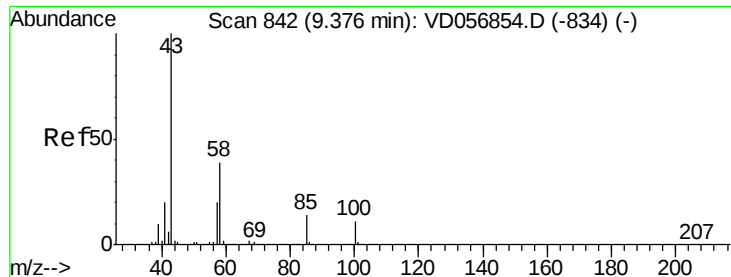
Tgt Ion: 88 Resp: 11213
Ion Ratio Lower Upper
88 100
43 53.7 46.2 69.4
58 88.0 65.8 98.8



#50
Toluene-d8
Concen: 392.37 ug/l
RT: 9.48 min Scan# 852
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion: 98 Resp: 959057
Ion Ratio Lower Upper
98 100
100 69.6 56.2 84.4

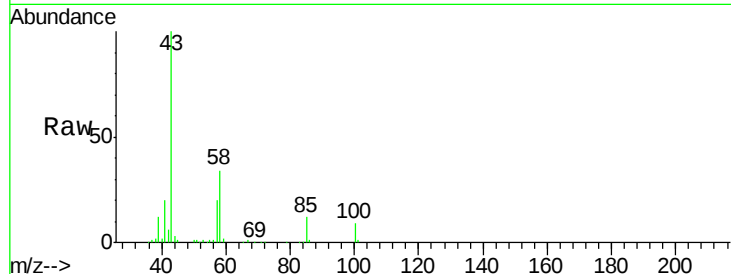




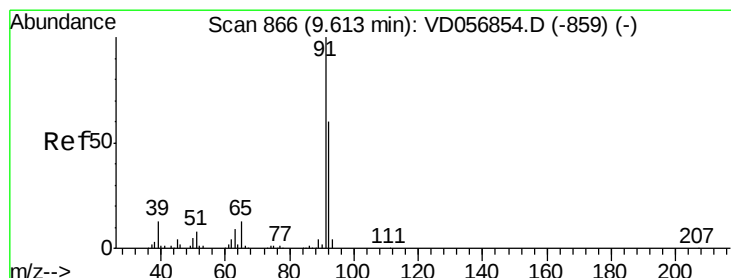
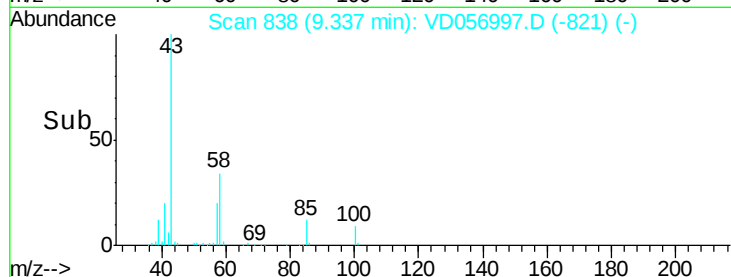
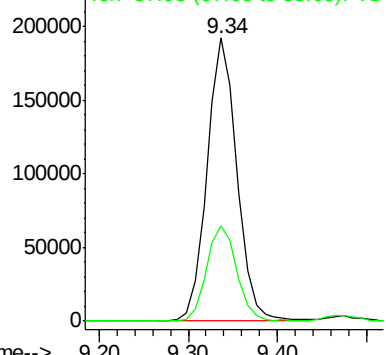
#51
 4-Methyl-2-Pentanone
 Concen: 108.12 ug/l
 RT: 9.34 min Scan# 838
 Delta R.T. -0.04 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

Tgt Ion: 43 Resp: 448548
 Ion Ratio Lower Upper
 43 100
 58 33.8 29.4 44.2

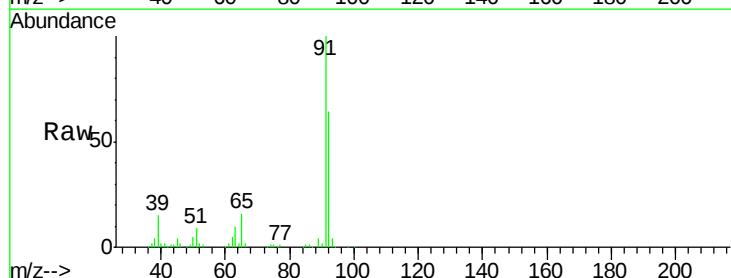


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

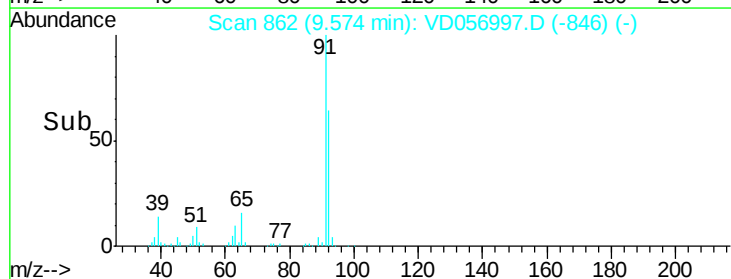
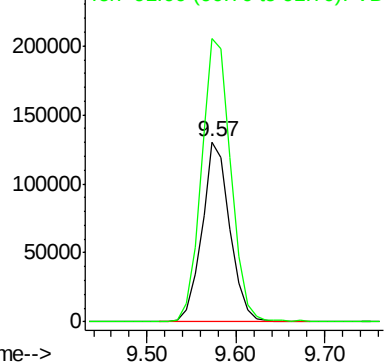


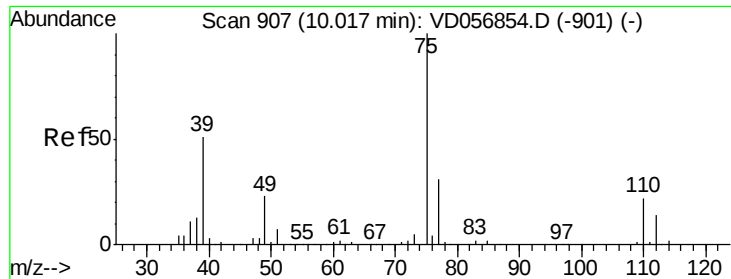
#52
 Toluene
 Concen: 20.25 ug/l
 RT: 9.57 min Scan# 862
 Delta R.T. -0.05 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion: 92 Resp: 284823
 Ion Ratio Lower Upper
 92 100
 91 157.5 133.5 200.3



Abundance Ion 92.00 (91.70 to 92.70): VDC
 Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.68 ug/l

RT: 9.99 min Scan# 904

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

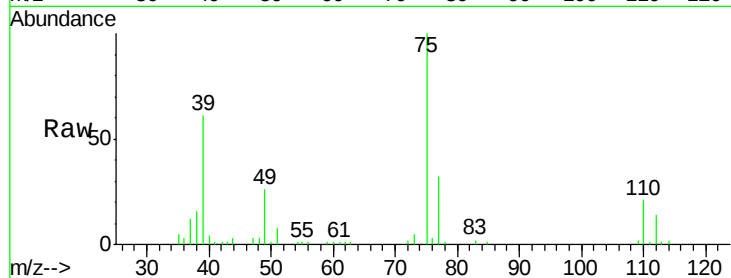
VD0328SBS01

Tgt Ion: 75 Resp: 155324

Ion Ratio Lower Upper

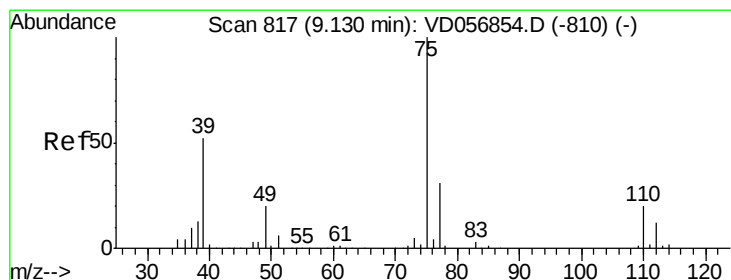
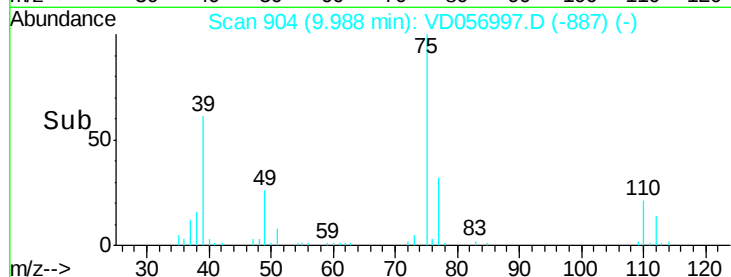
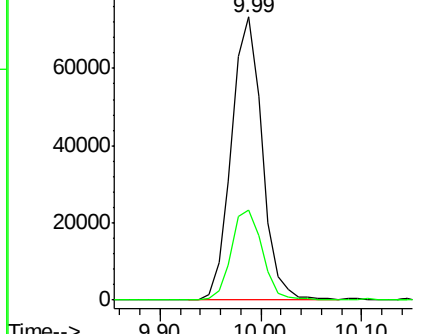
75 100

77 32.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.82 ug/l

RT: 9.09 min Scan# 813

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

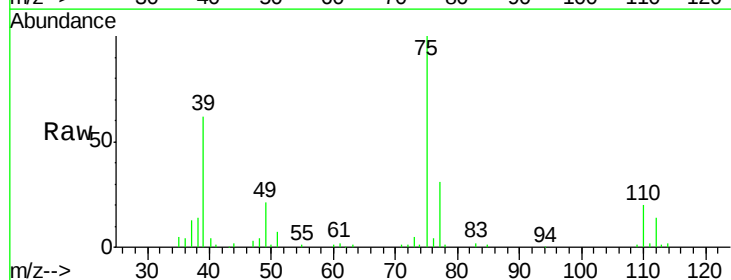
Tgt Ion: 75 Resp: 200087

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.6

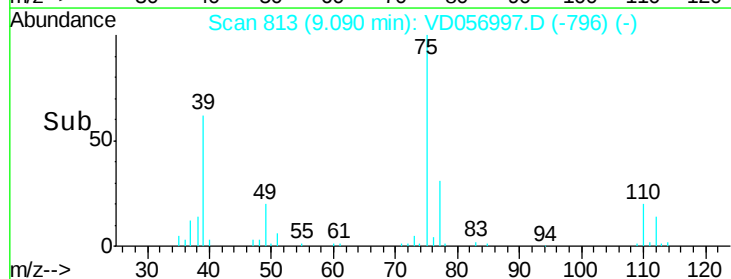
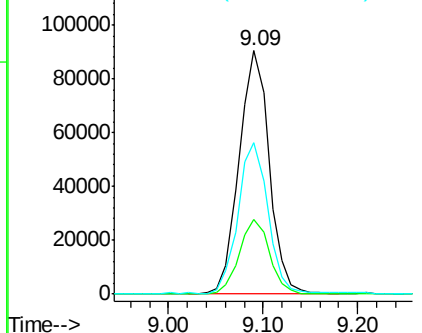
39 62.3 41.2 61.8#

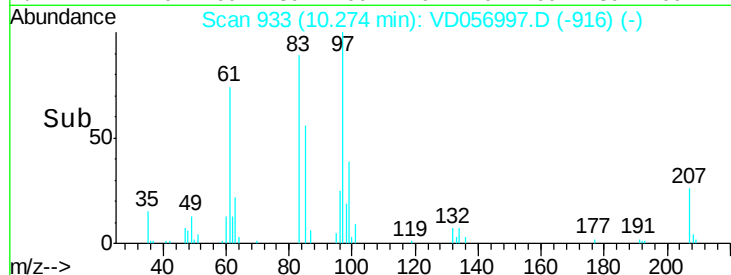
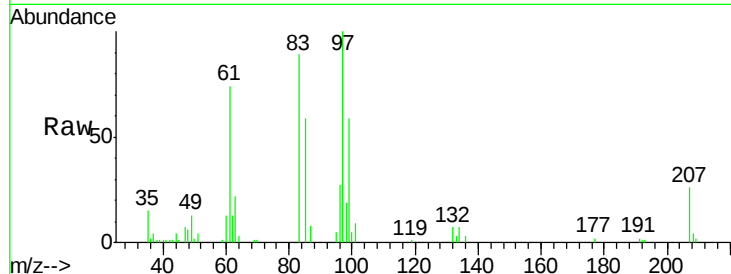
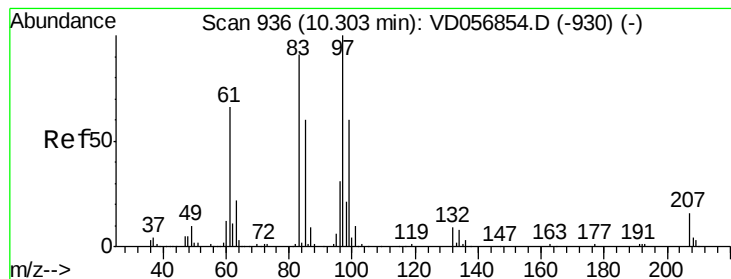


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.25 ug/l

RT: 10.27 min Scan# 933

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

Tgt Ion: 97 Resp: 82255

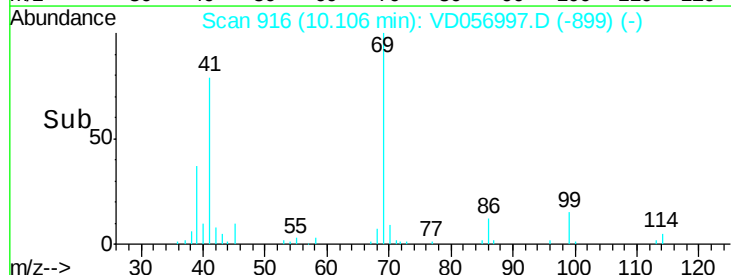
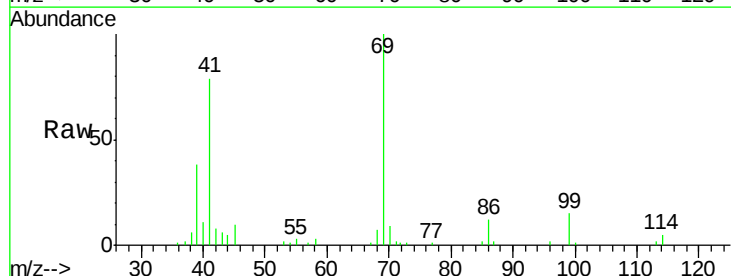
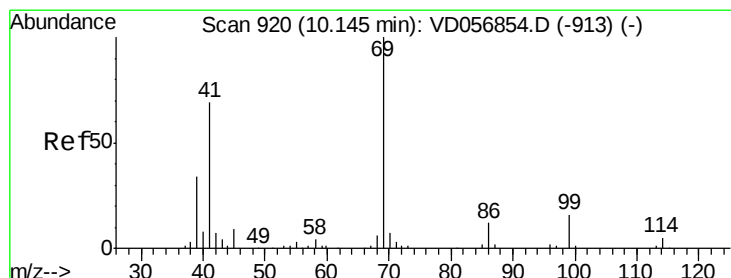
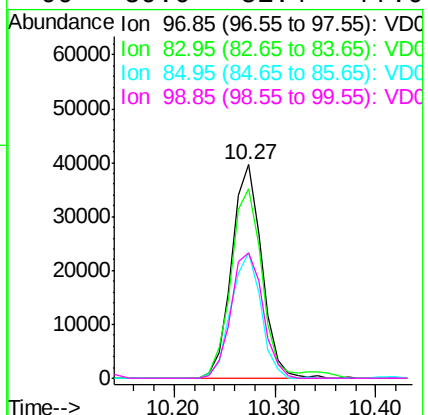
Ion Ratio Lower Upper

97 100

83 88.6 74.2 111.4

85 58.8 48.5 72.7

99 59.0 51.4 77.0



#56

Ethyl methacrylate

Concen: 18.15 ug/l

RT: 10.11 min Scan# 916

Delta R.T. -0.04 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

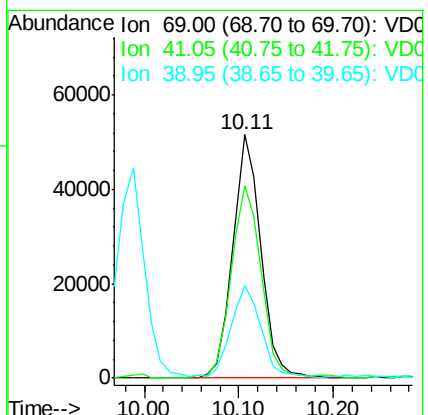
Tgt Ion: 69 Resp: 106233

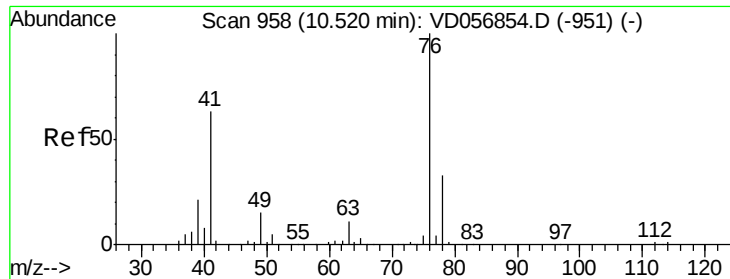
Ion Ratio Lower Upper

69 100

41 79.1 59.7 89.5

39 38.2 29.0 43.6

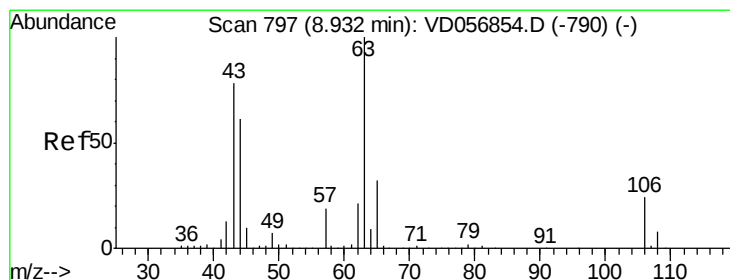
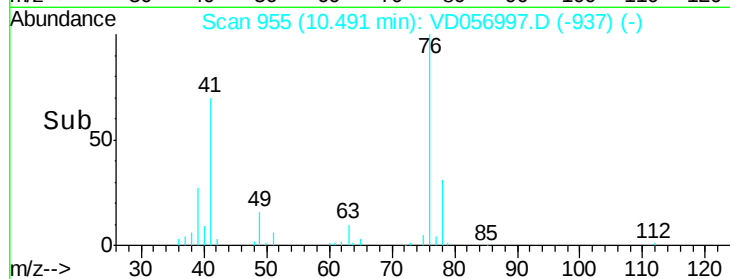
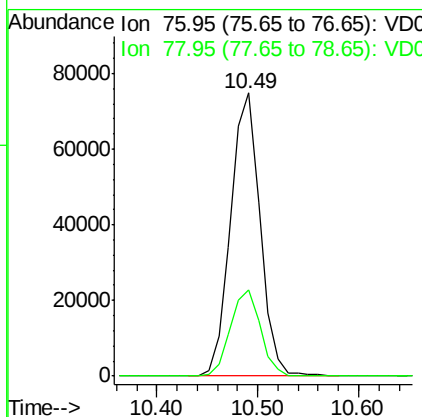
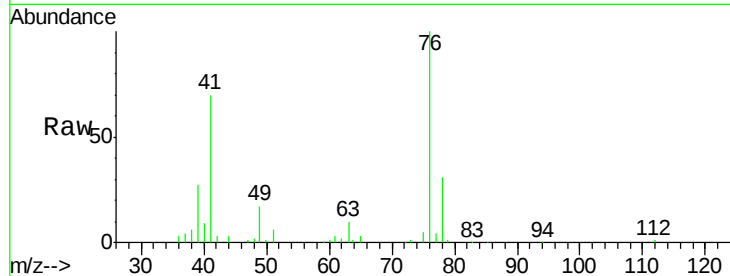




#57
 1,3-Dichloropropane
 Concen: 19.19 ug/l
 RT: 10.49 min Scan# 955
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

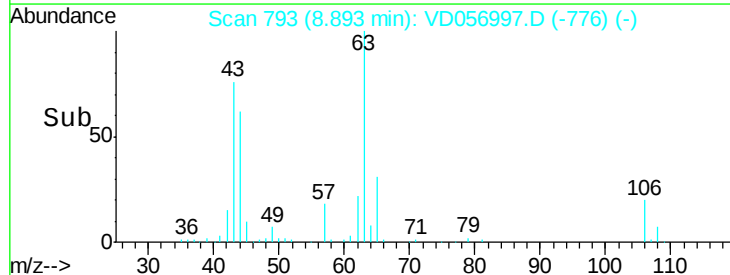
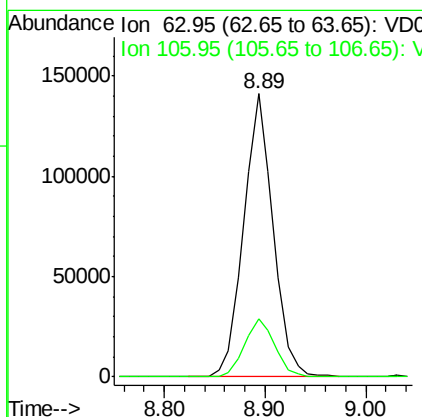
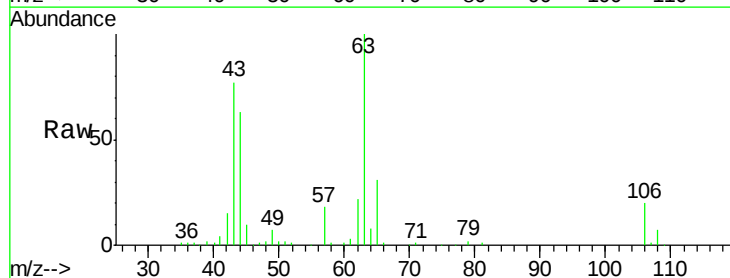
Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

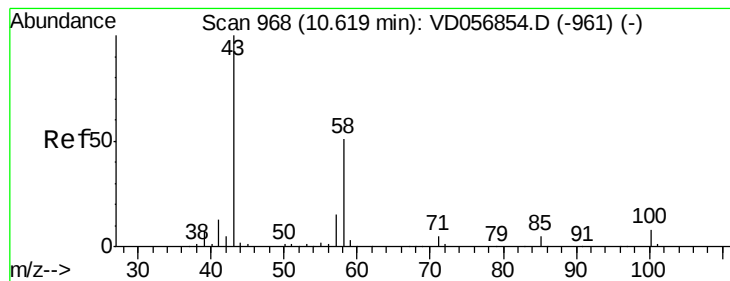
Tgt Ion: 76 Resp: 151857
 Ion Ratio Lower Upper
 76 100
 78 30.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.95 ug/l
 RT: 8.89 min Scan# 793
 Delta R.T. -0.04 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion: 63 Resp: 286670
 Ion Ratio Lower Upper
 63 100
 106 20.5 18.9 28.3





#59

2-Hexanone

Concen: 102.13 ug/l

RT: 10.59 min Scan# 965

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

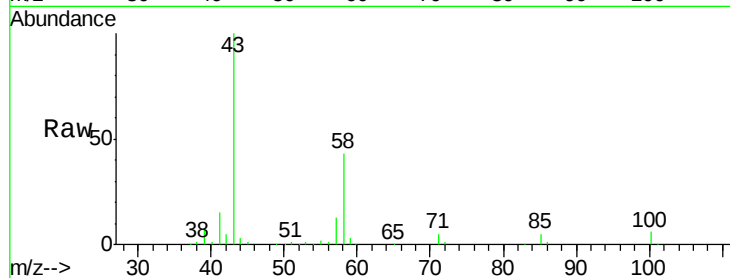
VD0328SBS01

Tgt Ion: 43 Resp: 327777

Ion Ratio Lower Upper

43 100

58 42.9 25.1 75.4



Abundance Ion 42.95 (42.65 to 43.65): VD056854.D (-961) (-)

Ion 57.95 (57.65 to 58.65): VD056854.D (-961) (-)

10.59

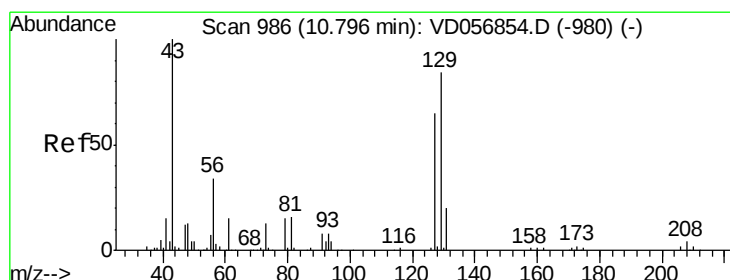
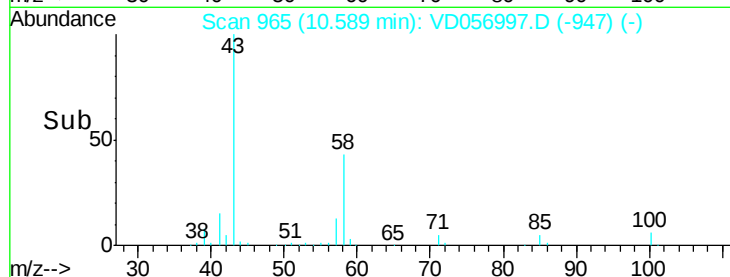
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 16.75 ug/l

RT: 10.77 min Scan# 983

Delta R.T. -0.04 min

Lab File: VD056997.D

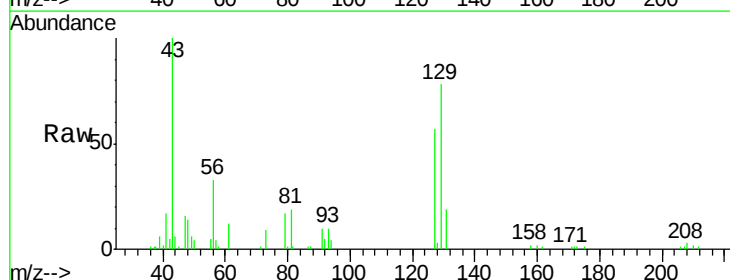
Acq: 28 Mar 2018 12:20

Tgt Ion: 129 Resp: 91645

Ion Ratio Lower Upper

129 100

127 72.7 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VD056854.D (-980) (-)

Ion 126.80 (126.50 to 127.50): VD056854.D (-980) (-)

10.77

50000

40000

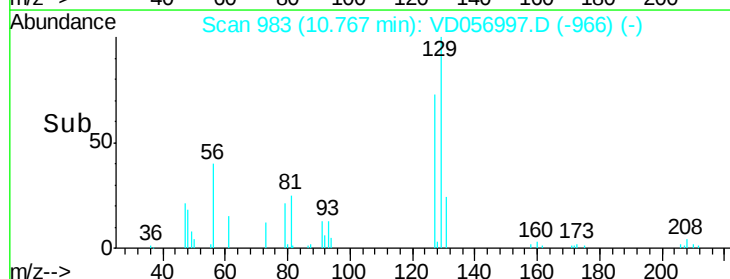
30000

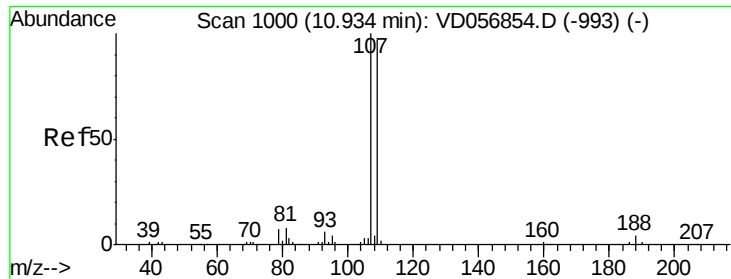
20000

10000

0

Time-->

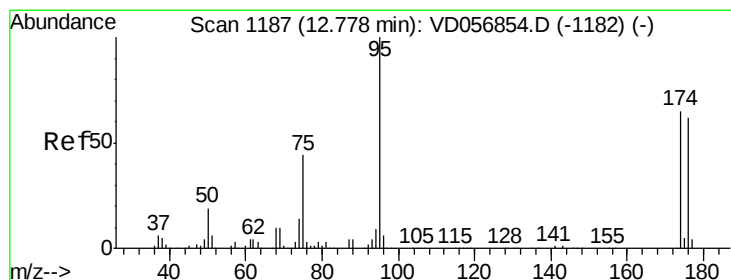
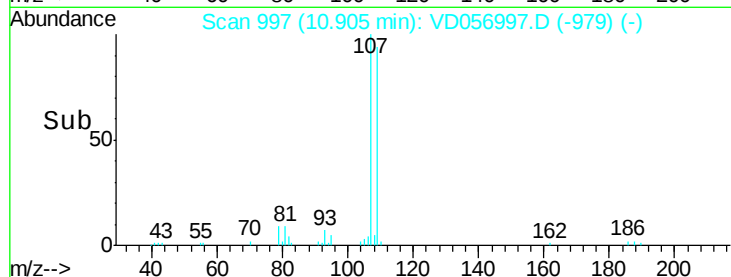
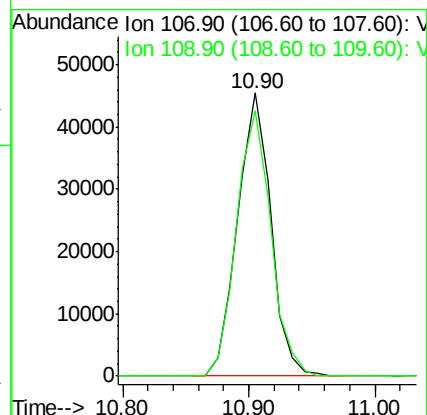
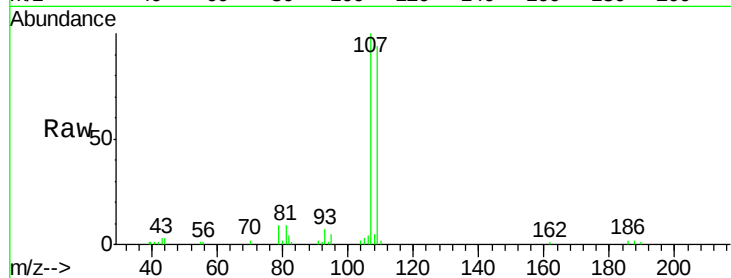




#61
 1,2-Dibromoethane
 Concen: 18.22 ug/l
 RT: 10.90 min Scan# 997
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

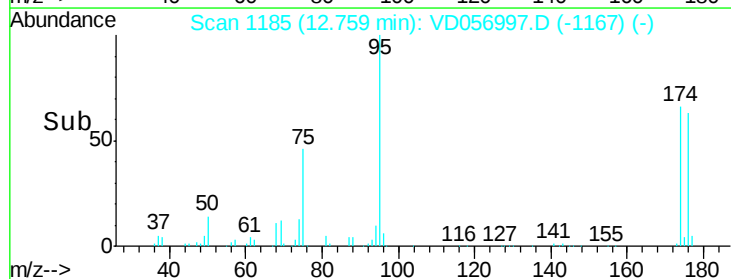
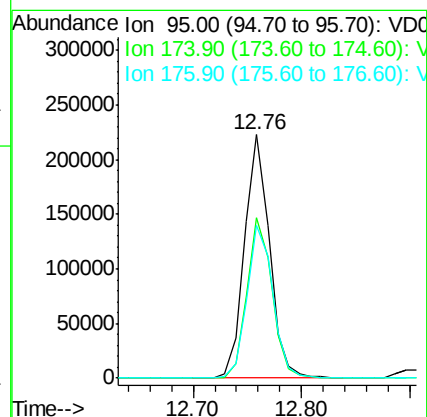
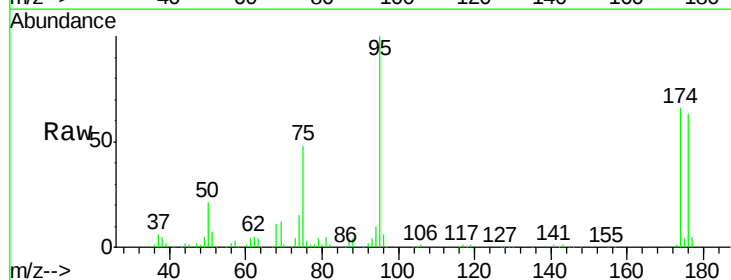
Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

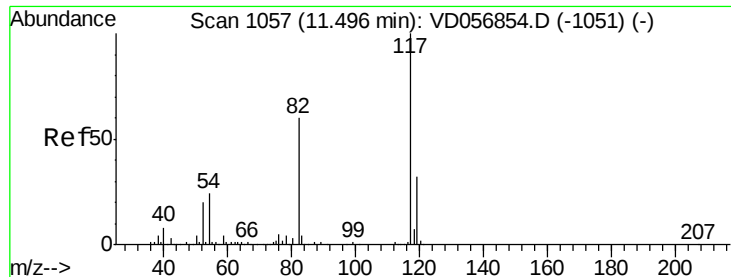
Tgt Ion: 107 Resp: 82909
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 18.22 ug/l
 RT: 12.76 min Scan# 1185
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion: 95 Resp: 358625
 Ion Ratio Lower Upper
 95 100
 174 65.7 0.0 143.6
 176 62.6 0.0 141.2

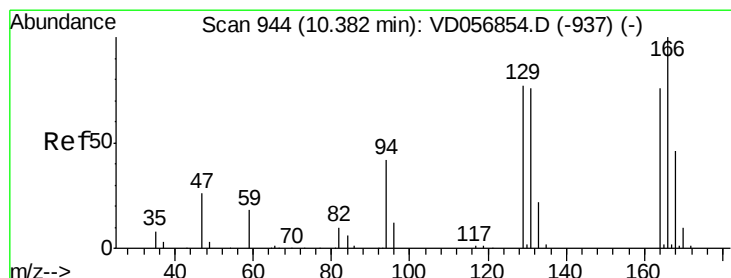
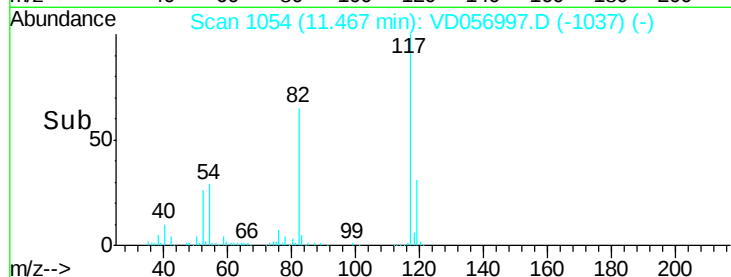
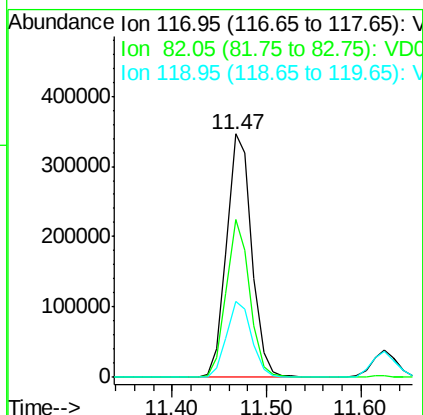
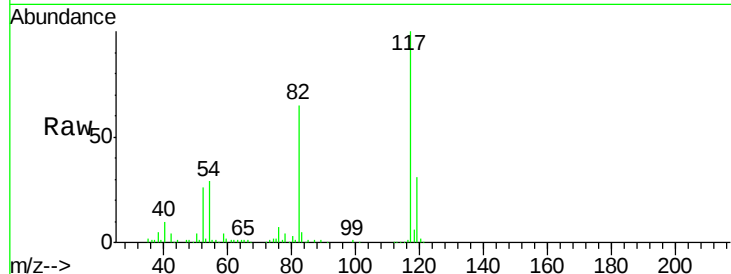




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.47 min Scan# 1054
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

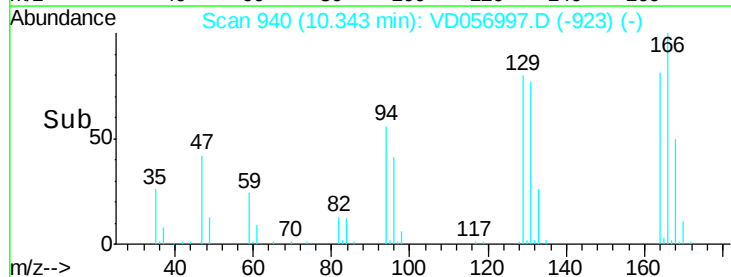
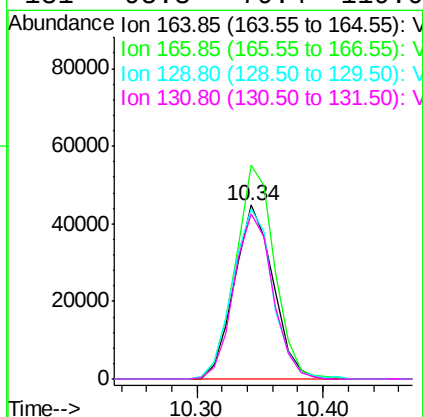
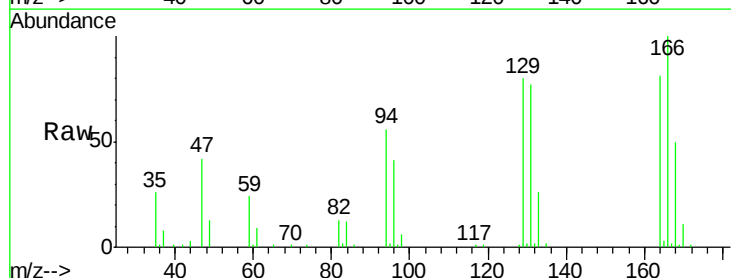
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

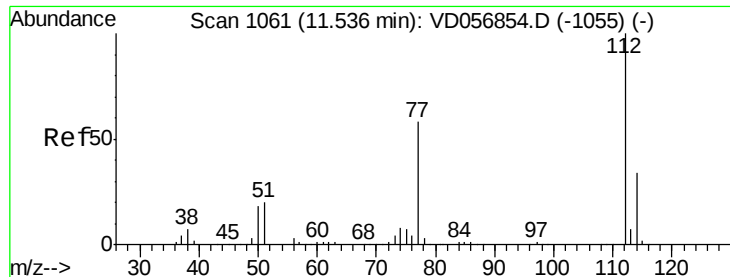
Tgt Ion:117 Resp: 637471
Ion Ratio Lower Upper
117 100
82 64.7 46.2 69.4
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 23.34 ug/l
RT: 10.34 min Scan# 940
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion:164 Resp: 95490
Ion Ratio Lower Upper
164 100
166 123.1 105.1 157.7
129 98.2 82.4 123.6
131 95.3 79.4 119.0

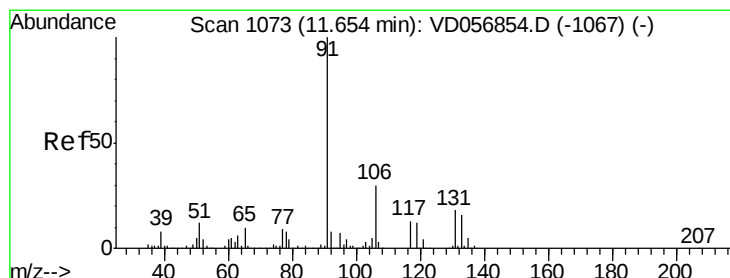
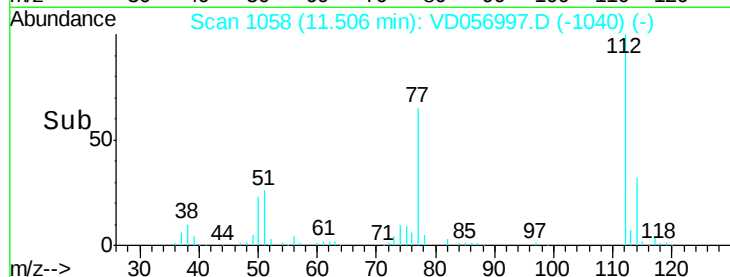
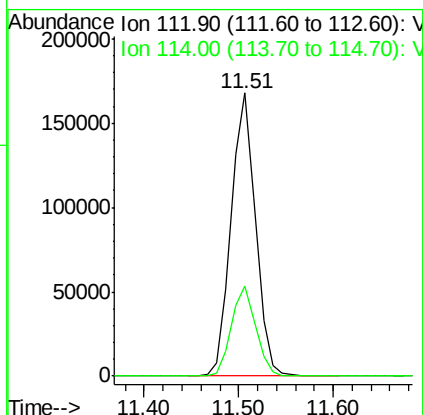
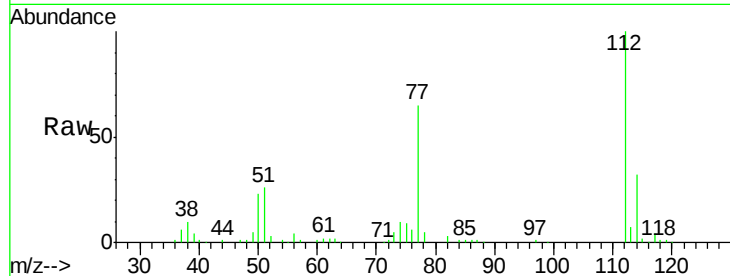




#65
Chlorobenzene
Concen: 21.29 ug/l
RT: 11.51 min Scan# 1058
Delta R.T. -0.03 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

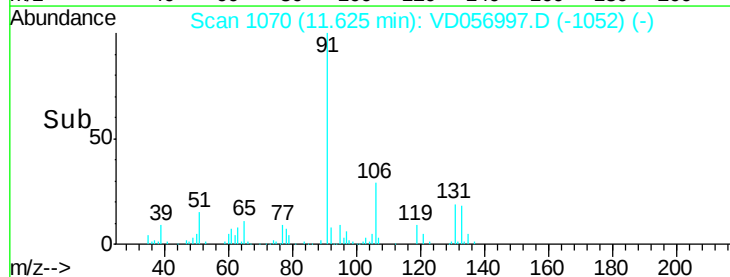
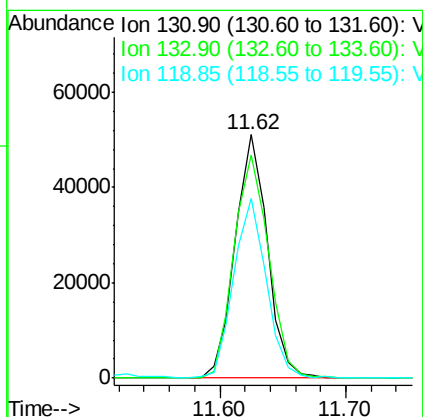
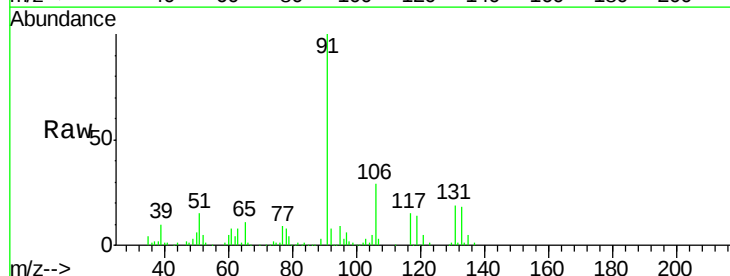
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

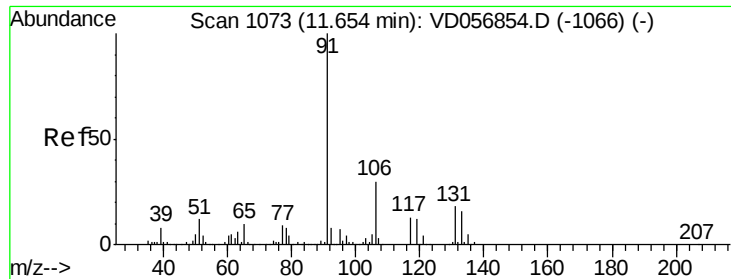
Tgt Ion:112 Resp: 301415
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.92 ug/l
RT: 11.62 min Scan# 1070
Delta R.T. -0.03 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion:131 Resp: 90506
Ion Ratio Lower Upper
131 100
133 91.5 47.4 142.2
119 73.9 35.4 106.1

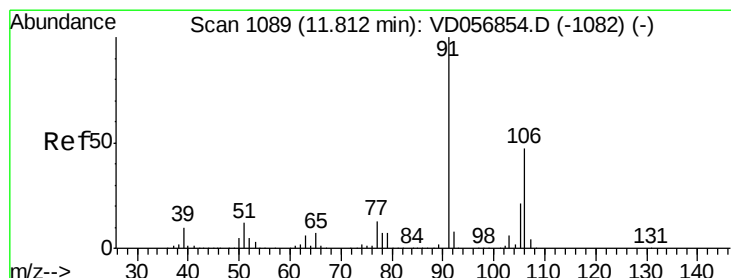
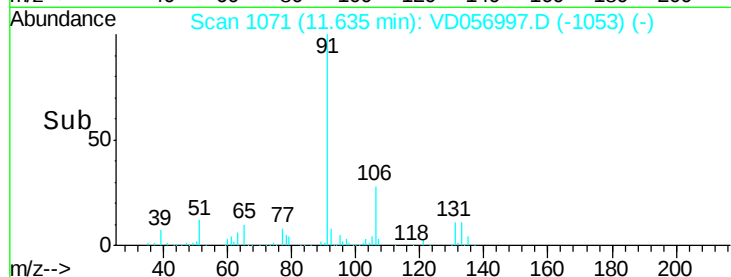
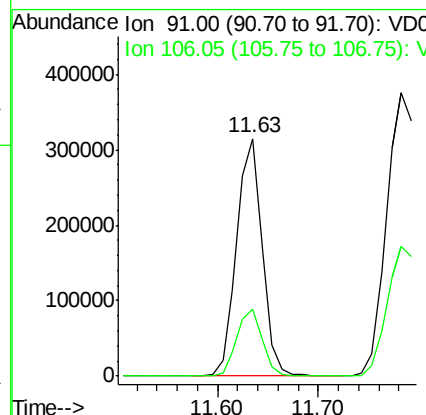
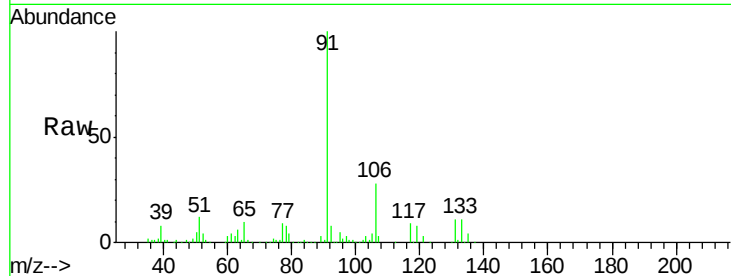




#67
Ethyl Benzene
Concen: 21.68 ug/l
RT: 11.63 min Scan# 1071
Delta R.T. -0.03 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

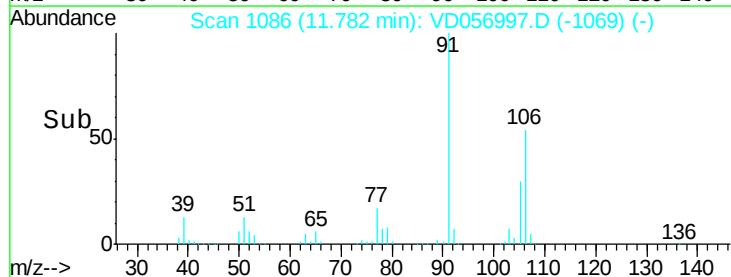
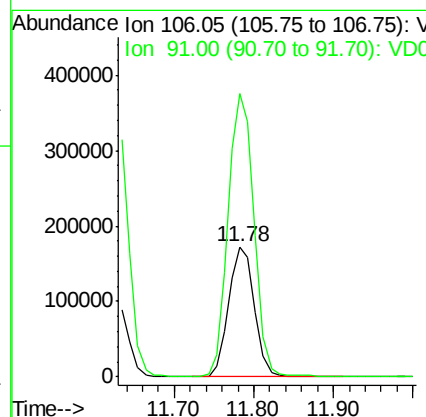
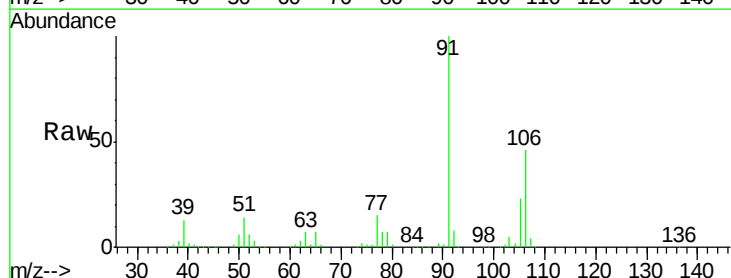
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

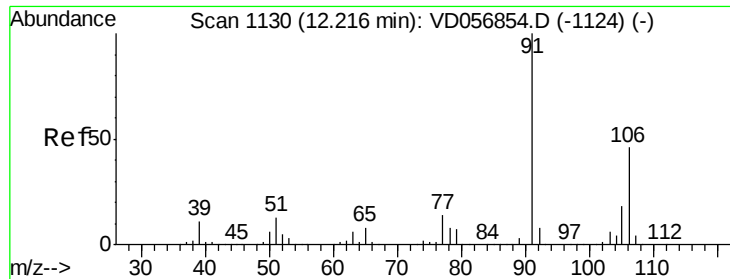
Tgt Ion: 91 Resp: 556266
Ion Ratio Lower Upper
91 100
106 28.3 23.6 35.4



#68
m/p-Xylenes
Concen: 42.50 ug/l
RT: 11.78 min Scan# 1086
Delta R.T. -0.04 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion: 106 Resp: 391808
Ion Ratio Lower Upper
106 100
91 217.3 162.6 244.0

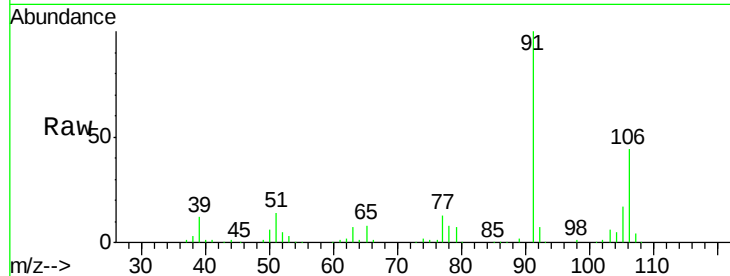




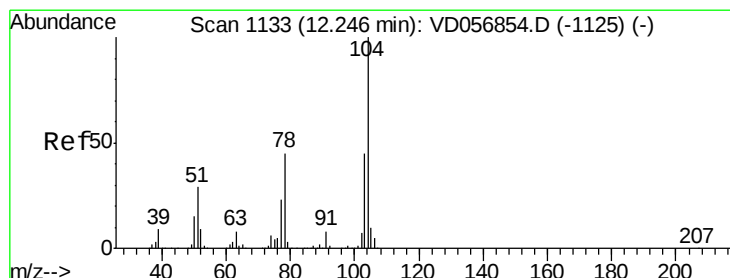
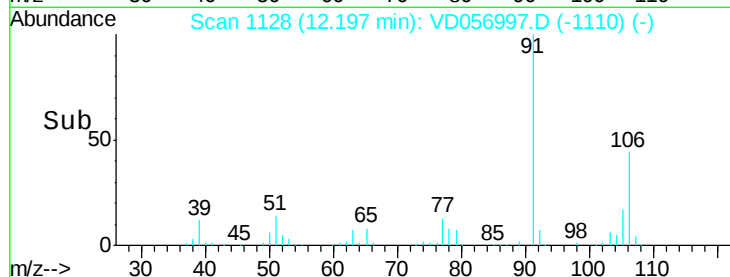
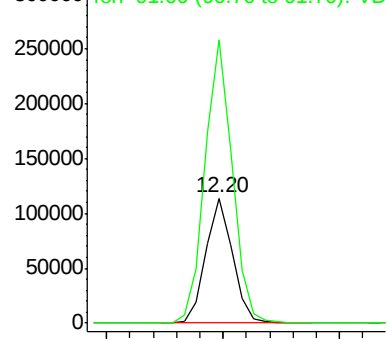
#69
o-Xylene
Concen: 20.59 ug/l
RT: 12.20 min Scan# 1128
Delta R.T. -0.03 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

Tgt Ion:106 Resp: 183467
Ion Ratio Lower Upper
106 100
91 226.1 109.6 328.6

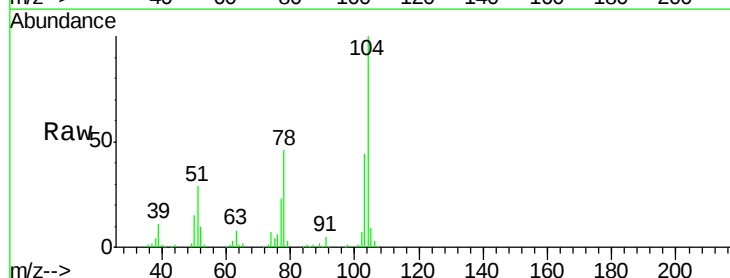


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

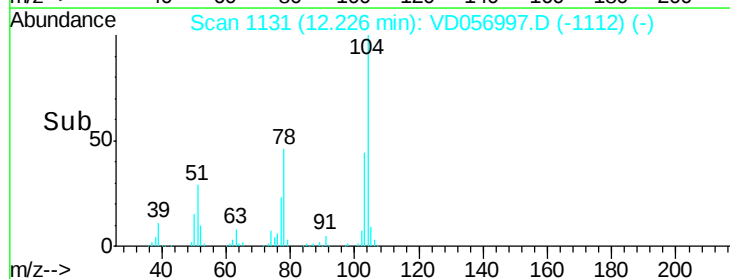
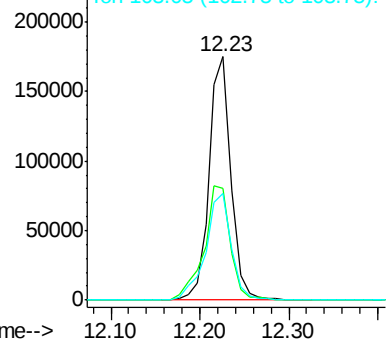


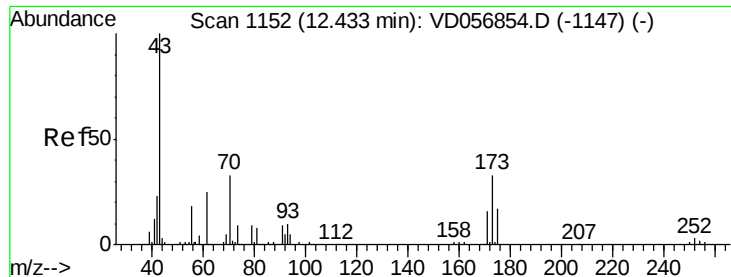
#70
Styrene
Concen: 20.83 ug/l
RT: 12.23 min Scan# 1131
Delta R.T. -0.02 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion:104 Resp: 301418
Ion Ratio Lower Upper
104 100
78 45.9 39.4 59.2
103 43.9 36.9 55.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 16.11 ug/l

RT: 12.41 min Scan# 1150

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

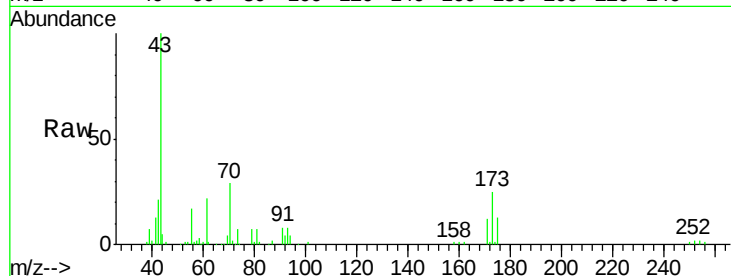
Tgt Ion:173 Resp: 42050

Ion Ratio Lower Upper

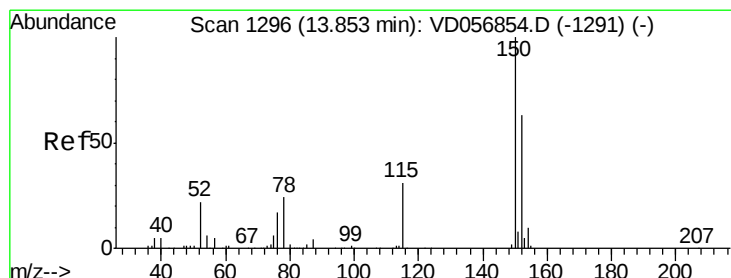
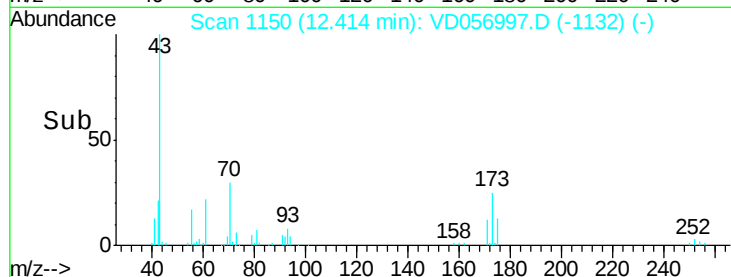
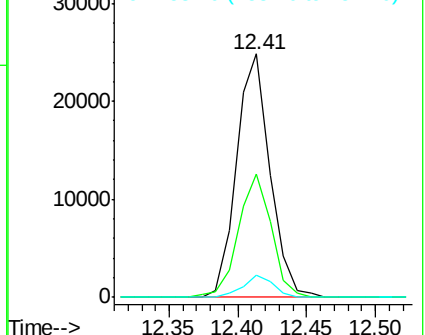
173 100

175 50.6 23.3 69.9

254 9.3 7.4 11.2



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.83 min Scan# 1294

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

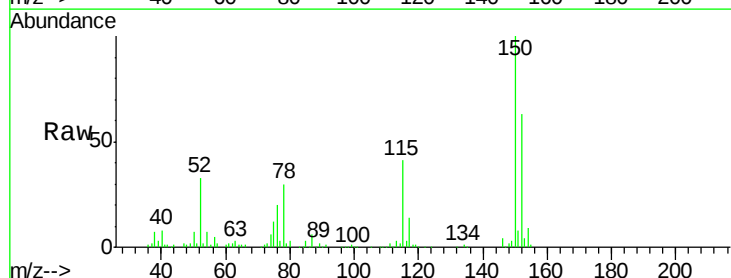
Tgt Ion:152 Resp: 257346

Ion Ratio Lower Upper

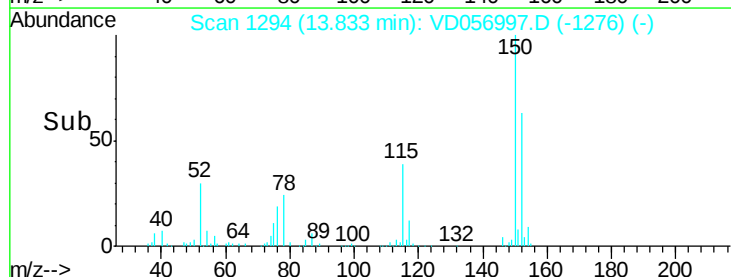
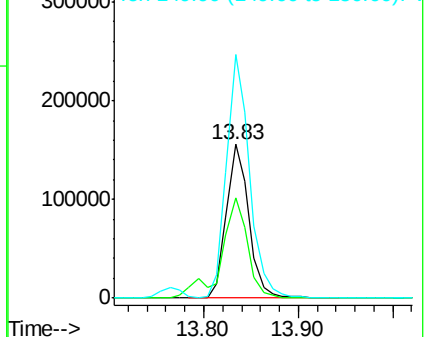
152 100

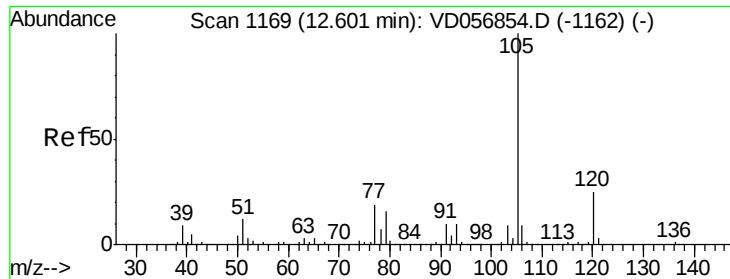
115 65.4 31.2 93.6

150 158.1 0.0 334.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.85 ug/l

RT: 12.58 min Scan# 1167

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

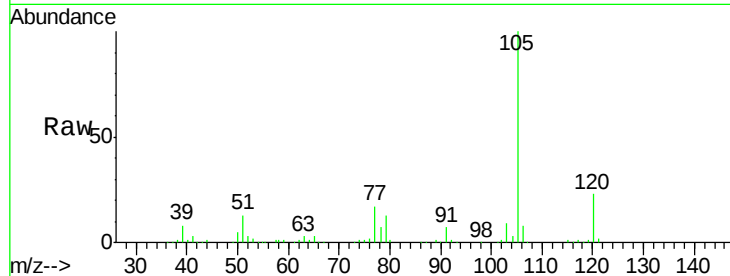
VD0328SBS01

Tgt Ion:105 Resp: 523819

Ion Ratio Lower Upper

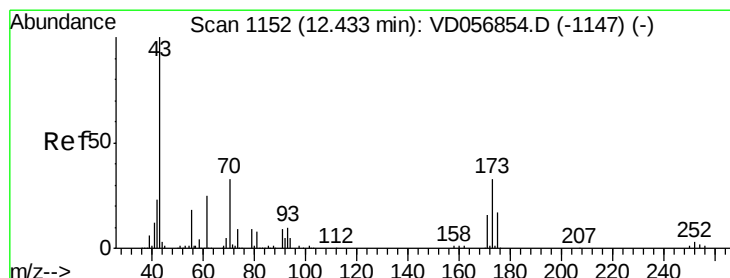
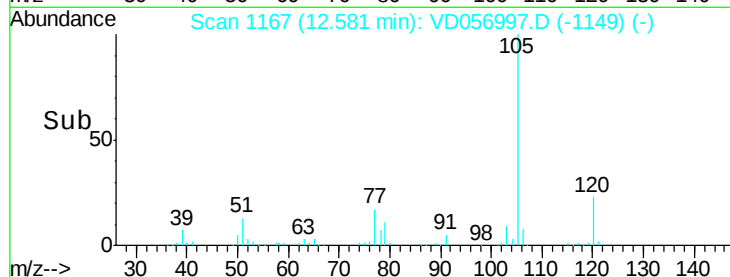
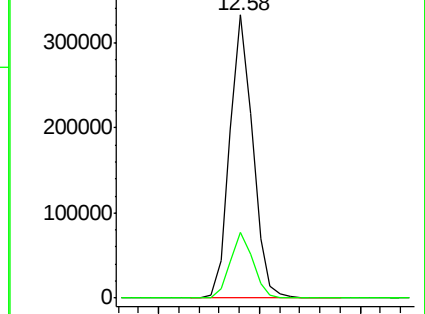
105 100

120 23.3 12.7 38.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.17 ug/l

RT: 12.41 min Scan# 1150

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Tgt Ion: 43 Resp: 164622

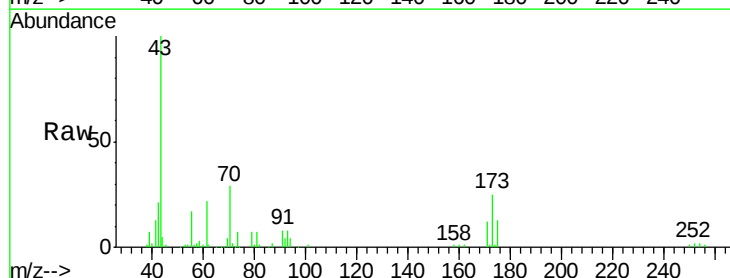
Ion Ratio Lower Upper

43 100

70 29.4 27.4 41.2

55 17.4 15.2 22.8

61 22.5 20.6 31.0

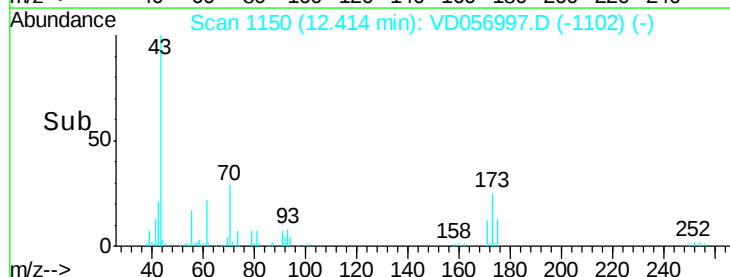
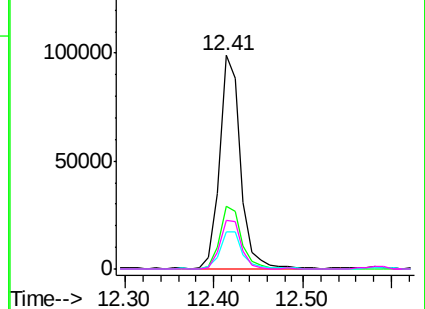


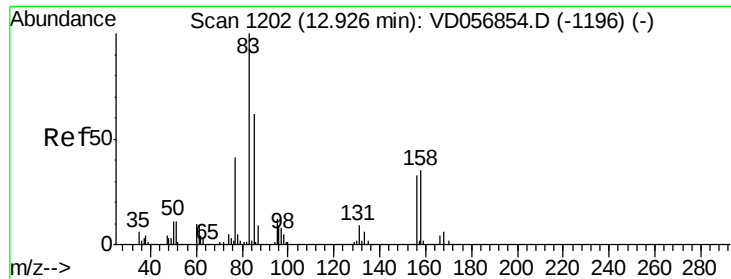
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.26 ug/l

RT: 12.90 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

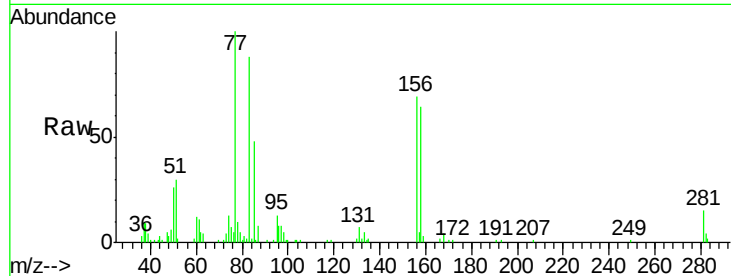
Tgt Ion: 83 Resp: 93594

Ion Ratio Lower Upper

83 100

131 8.0 4.1 12.3

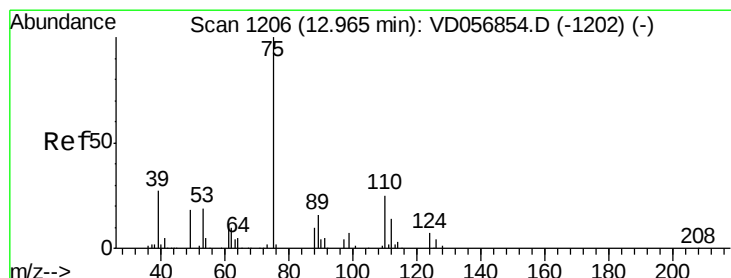
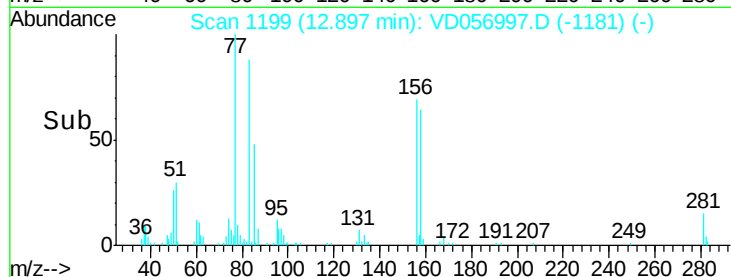
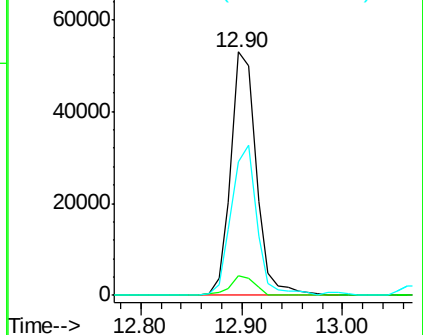
85 55.1 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.64 ug/l

RT: 12.95 min Scan# 1204

Delta R.T. -0.03 min

Lab File: VD056997.D

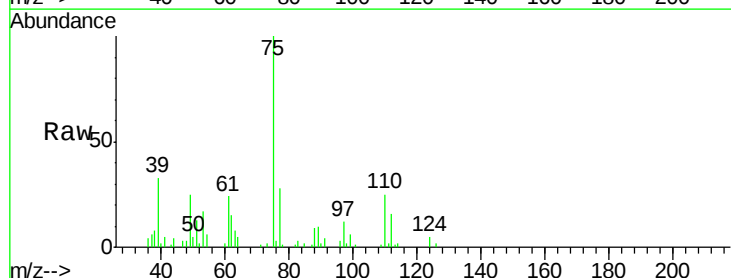
Acq: 28 Mar 2018 12:20

Tgt Ion: 75 Resp: 100408

Ion Ratio Lower Upper

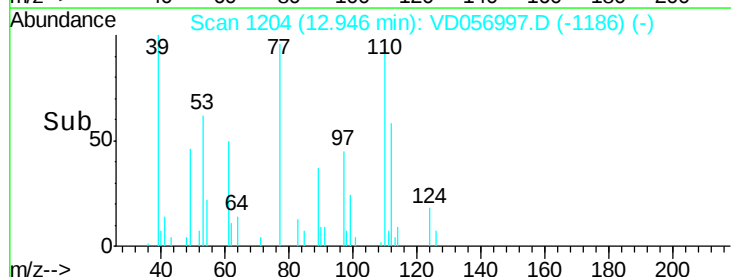
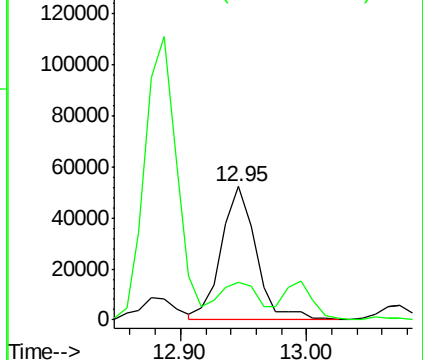
75 100

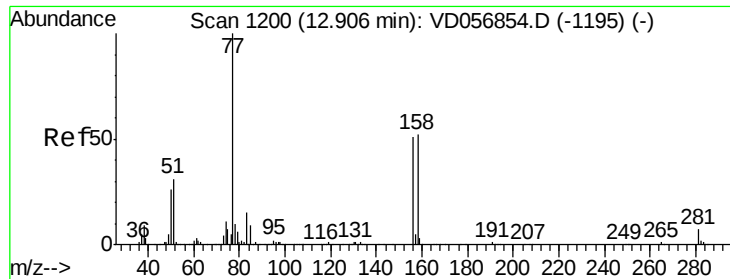
77 28.3 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.21 ug/l

RT: 12.89 min Scan# 1198

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

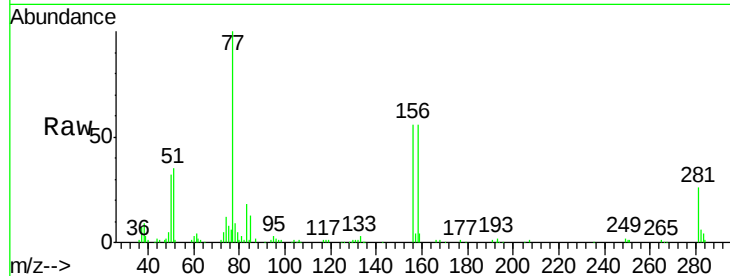
Tgt Ion: 156 Resp: 103948

Ion Ratio Lower Upper

156 100

77 179.1 81.7 244.9

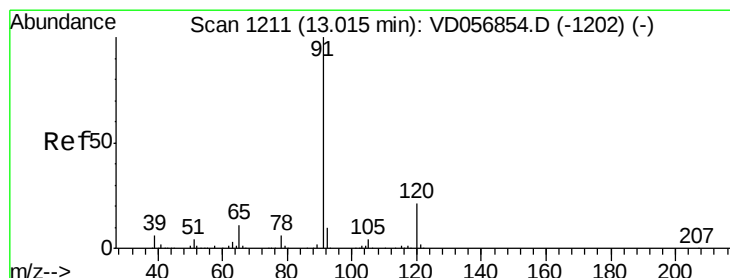
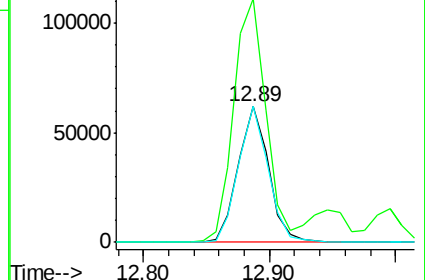
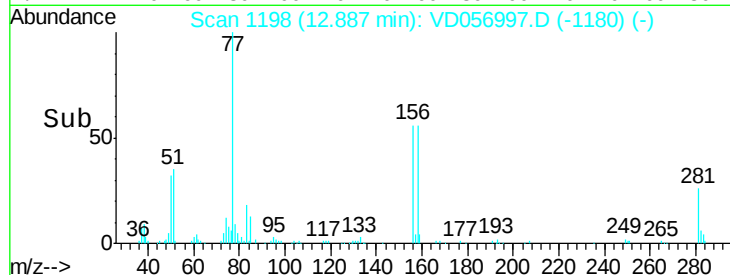
158 99.7 48.1 144.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.16 ug/l

RT: 13.00 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD056997.D

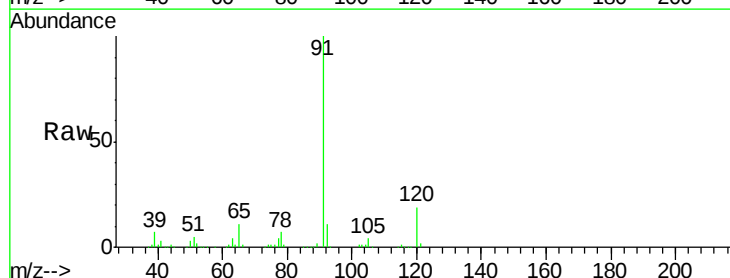
Acq: 28 Mar 2018 12:20

Tgt Ion: 91 Resp: 658390

Ion Ratio Lower Upper

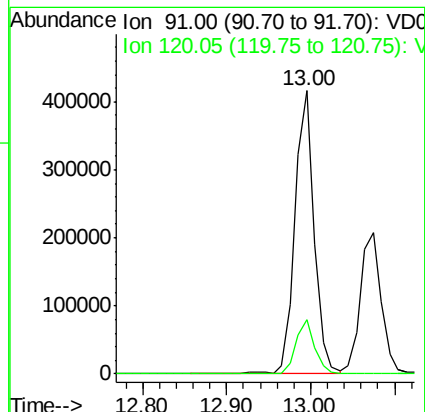
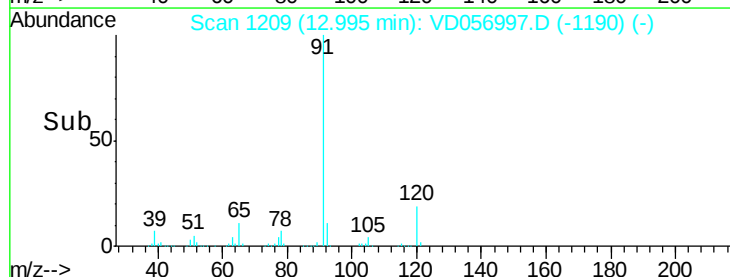
91 100

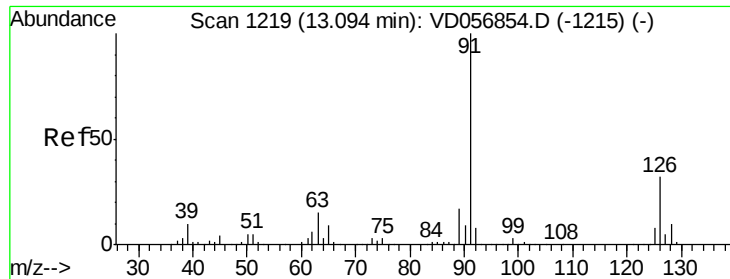
120 19.3 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

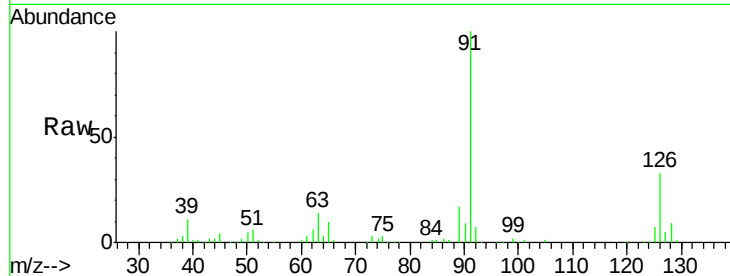




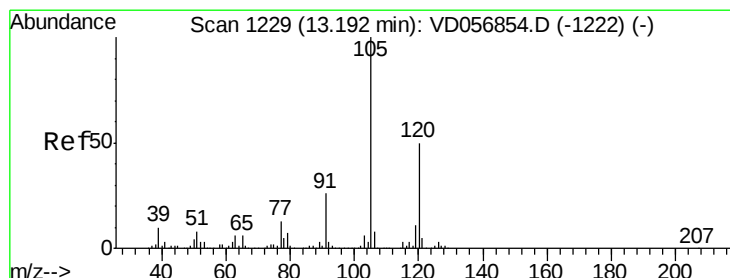
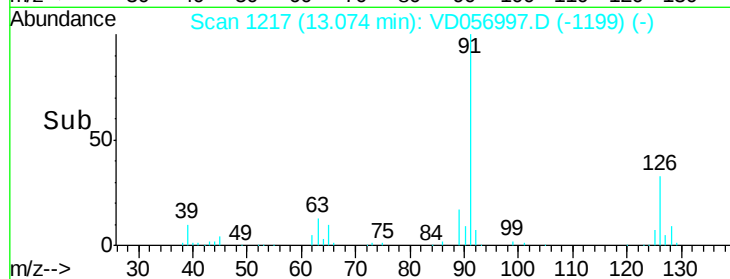
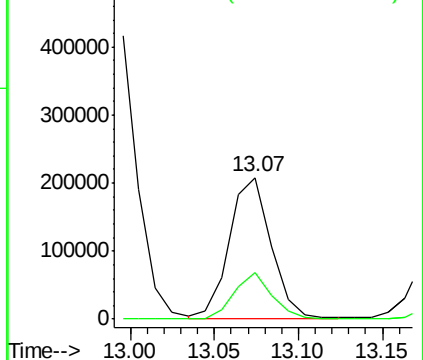
#79
 2-Chlorotoluene
 Concen: 22.19 ug/l
 RT: 13.07 min Scan# 1217
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

Tgt Ion: 91 Resp: 357824
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.0 50.9

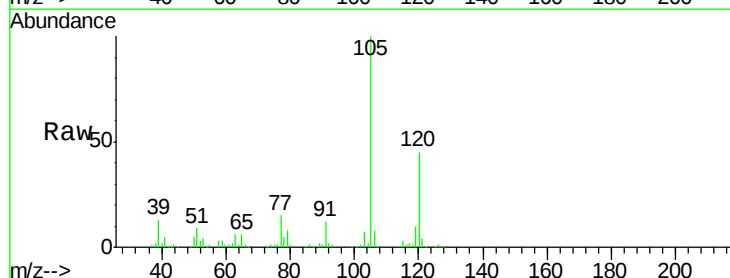


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

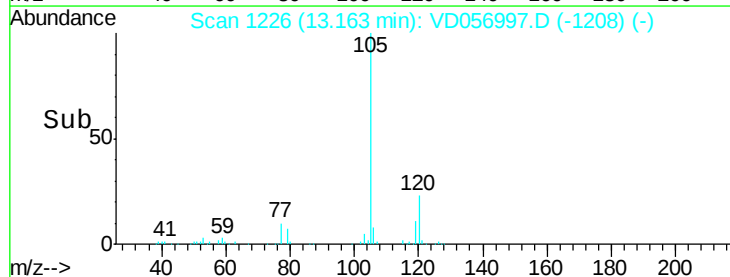
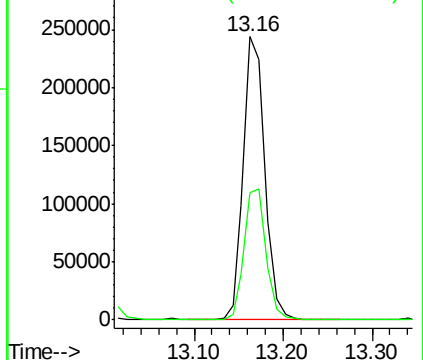


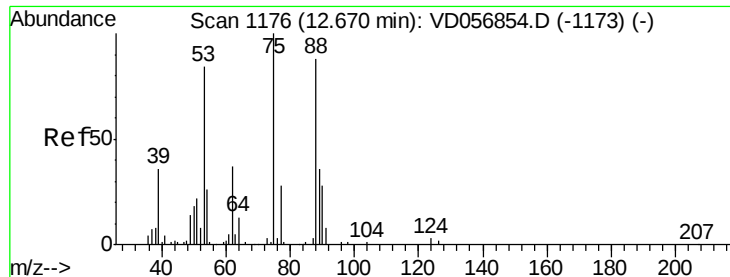
#80
 1,3,5-Trimethylbenzene
 Concen: 22.13 ug/l
 RT: 13.16 min Scan# 1226
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion: 105 Resp: 409791
 Ion Ratio Lower Upper
 105 100
 120 45.1 24.3 72.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.20 ug/l

RT: 12.65 min Scan# 1174

Delta R.T. -0.03 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

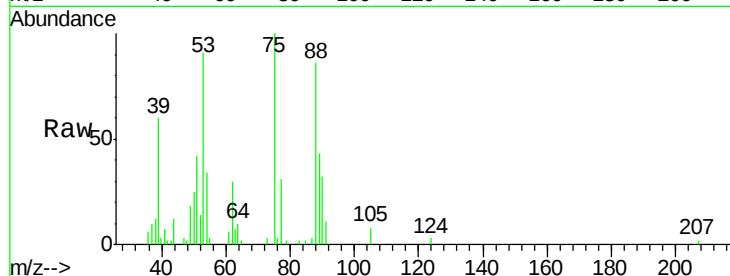
Tgt Ion: 75 Resp: 25639

Ion Ratio Lower Upper

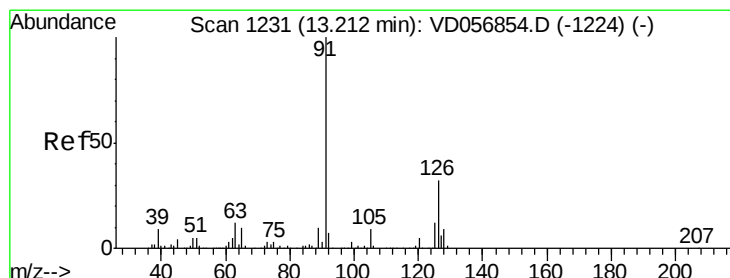
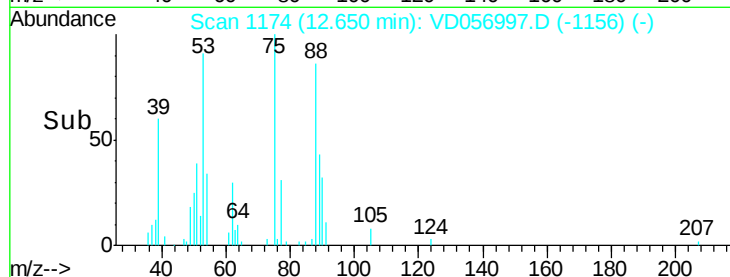
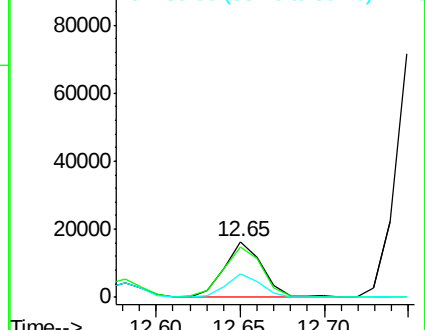
75 100

53 90.8 64.5 96.7

89 42.7 31.6 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.41 ug/l

RT: 13.19 min Scan# 1229

Delta R.T. -0.02 min

Lab File: VD056997.D

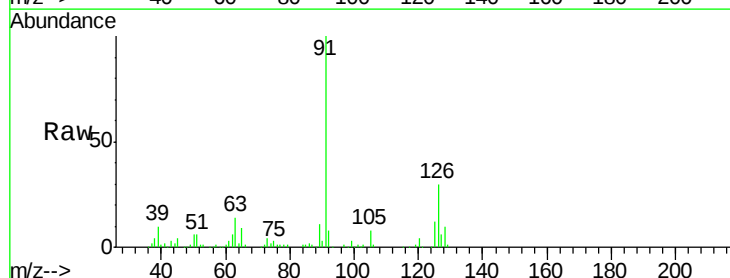
Acq: 28 Mar 2018 12:20

Tgt Ion: 91 Resp: 412173

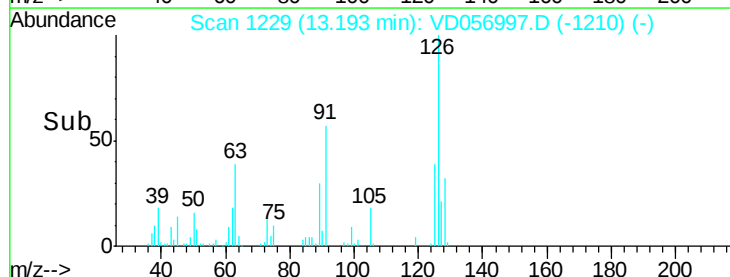
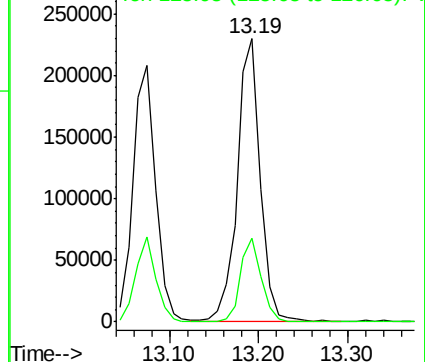
Ion Ratio Lower Upper

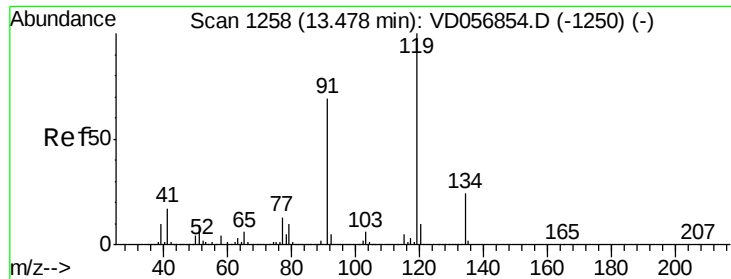
91 100

126 29.6 14.9 44.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

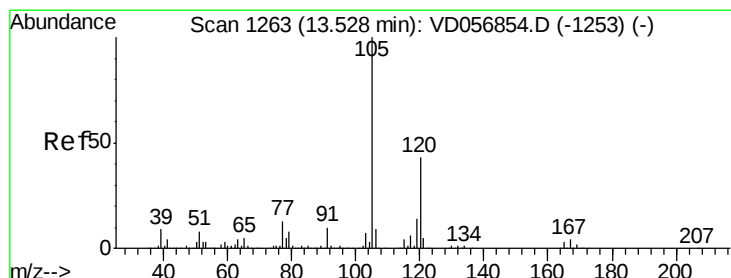
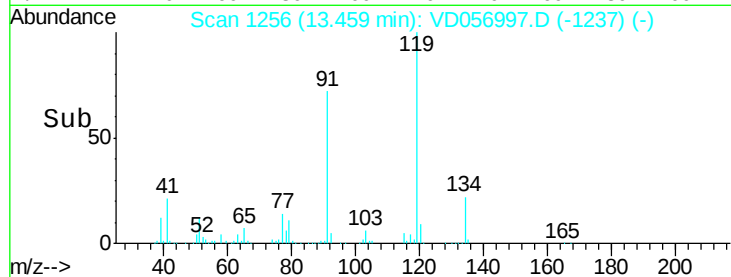
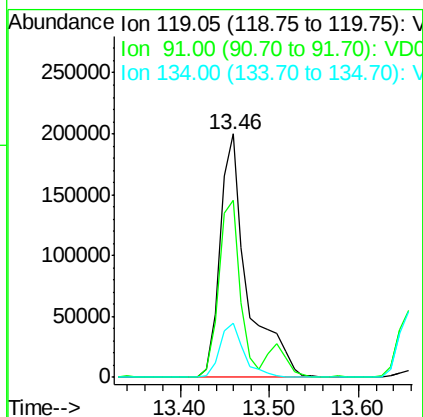
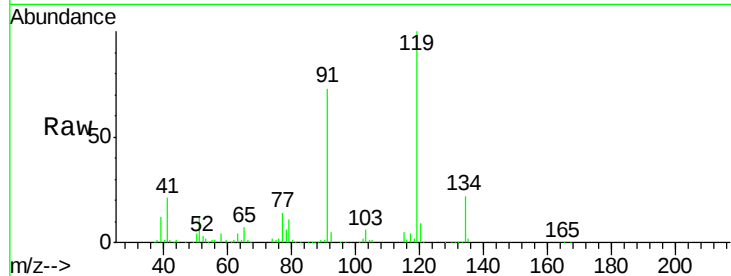




#83
 tert-Butylbenzene
 Concen: 21.01 ug/l
 RT: 13.46 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

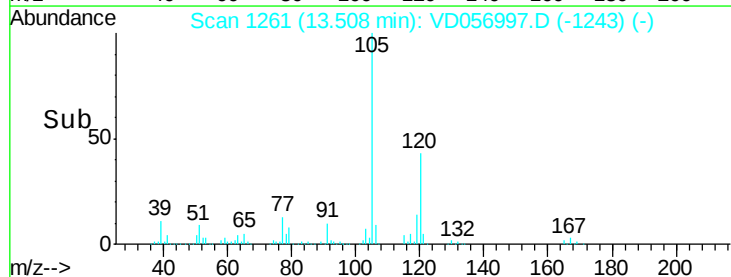
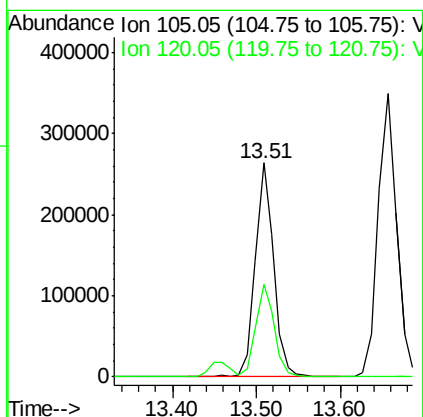
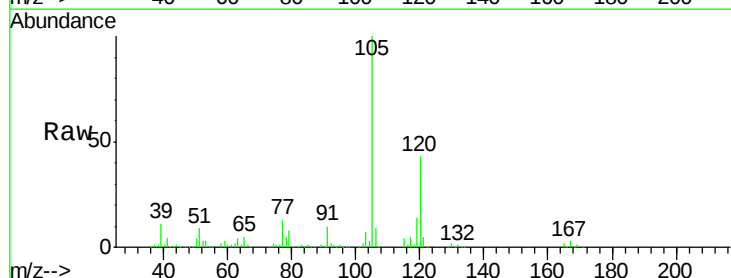
Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

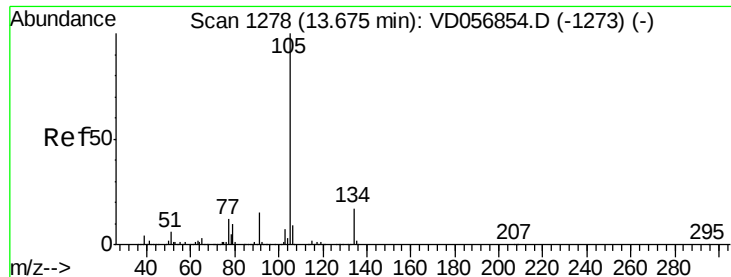
Tgt Ion:119 Resp: 430768
 Ion Ratio Lower Upper
 119 100
 91 72.5 35.6 106.8
 134 22.4 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.89 ug/l
 RT: 13.51 min Scan# 1261
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion:105 Resp: 407600
 Ion Ratio Lower Upper
 105 100
 120 43.2 23.5 70.5





#85

sec-Butylbenzene

Concen: 22.15 ug/l

RT: 13.66 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

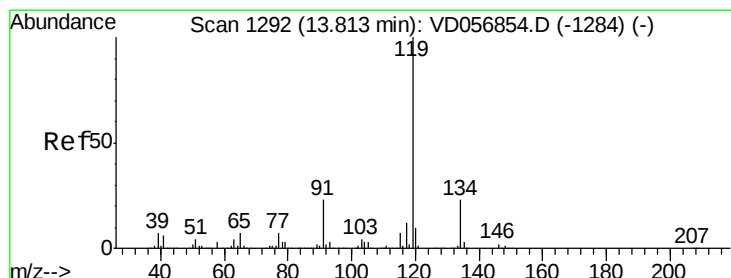
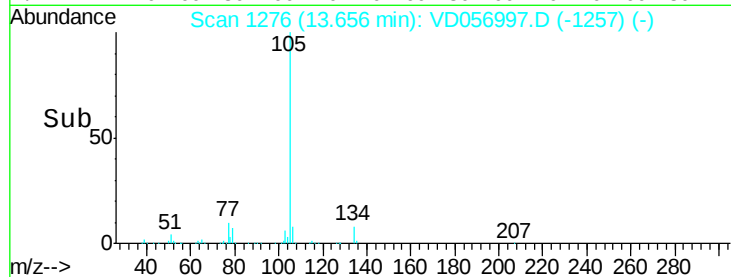
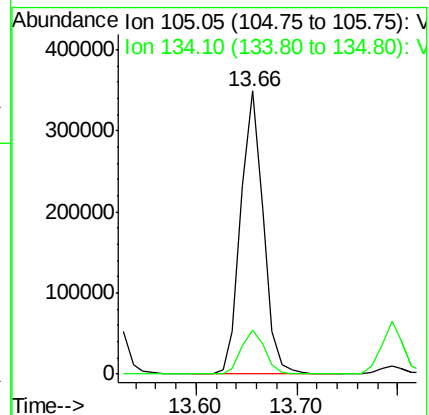
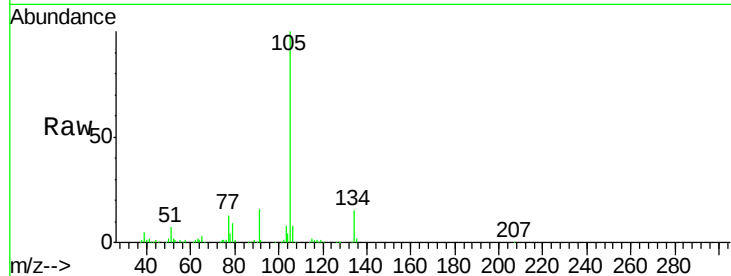
VD0328SBS01

Tgt Ion:105 Resp: 539500

Ion Ratio Lower Upper

105 100

134 15.4 8.6 25.7



#86

p-Isopropyltoluene

Concen: 21.33 ug/l

RT: 13.79 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

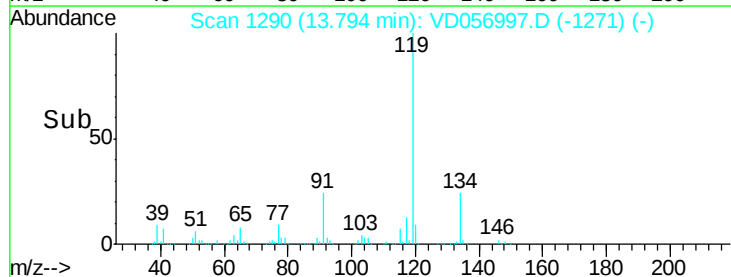
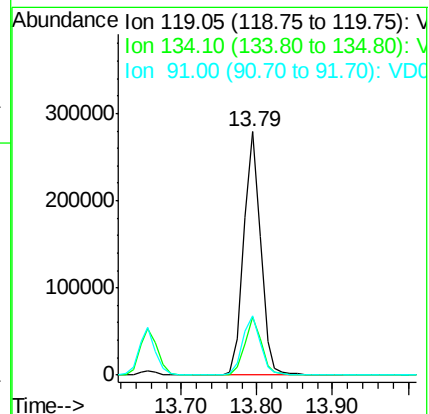
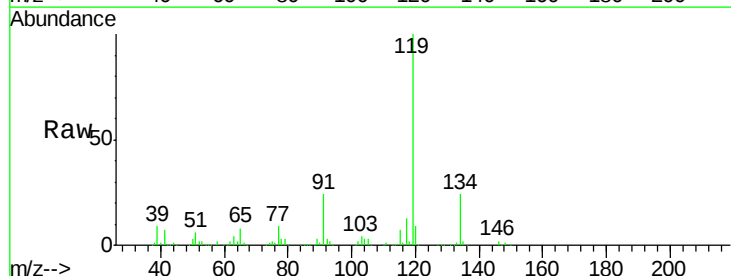
Tgt Ion:119 Resp: 428325

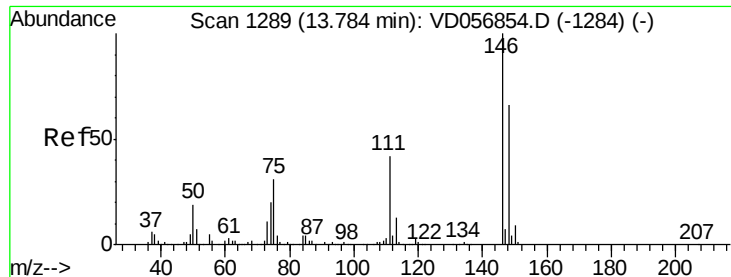
Ion Ratio Lower Upper

119 100

134 23.6 12.0 36.1

91 24.2 12.4 37.0

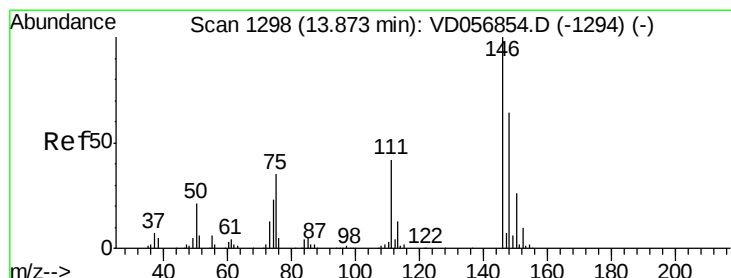
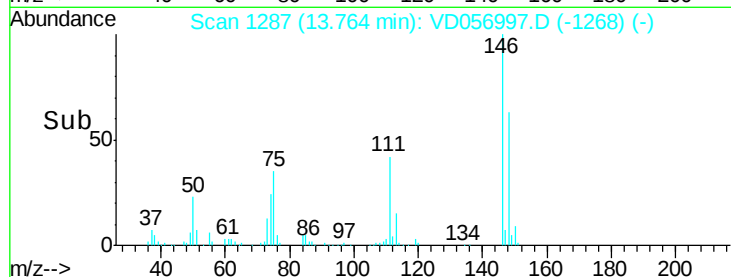
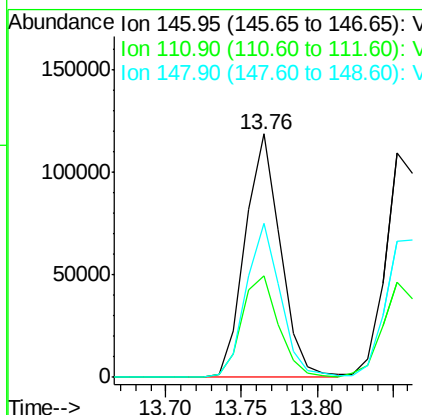
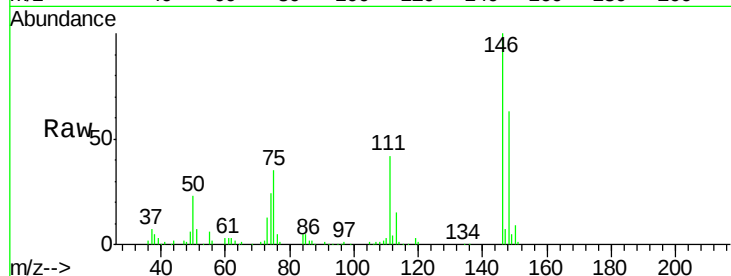




#87
 1,3-Dichlorobenzene
 Concen: 20.63 ug/l
 RT: 13.76 min Scan# 1287
 Delta R.T. -0.02 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

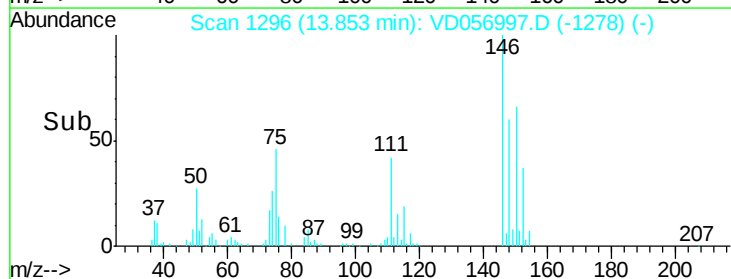
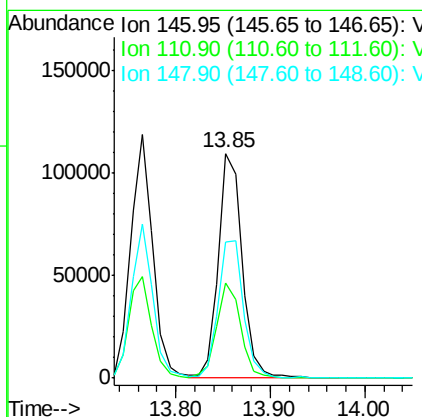
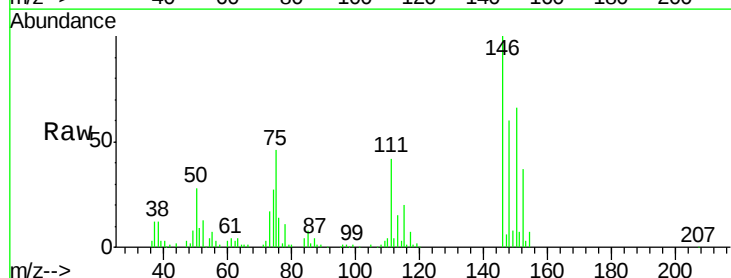
Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

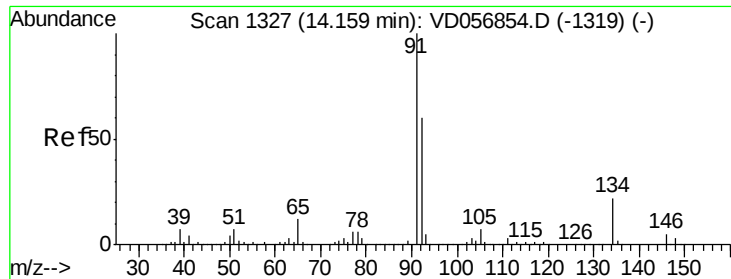
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.5	64.5
148	63.1	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.47 ug/l
 RT: 13.85 min Scan# 1296
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.3
148	60.5	31.8	95.4

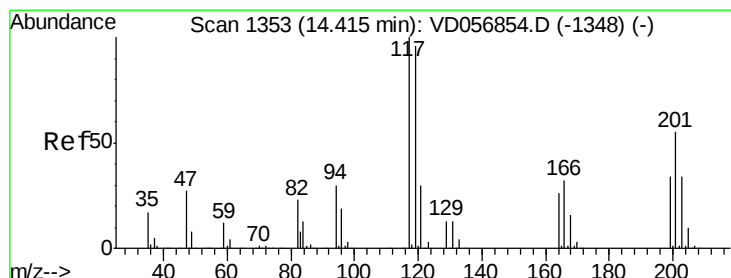
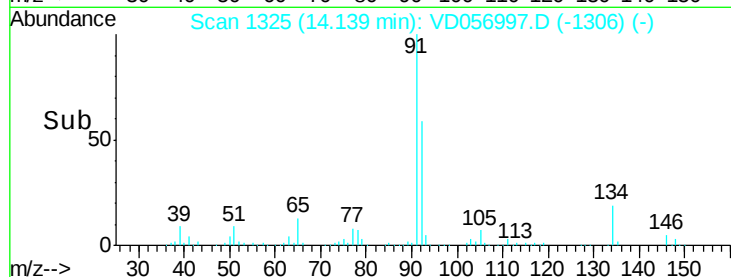
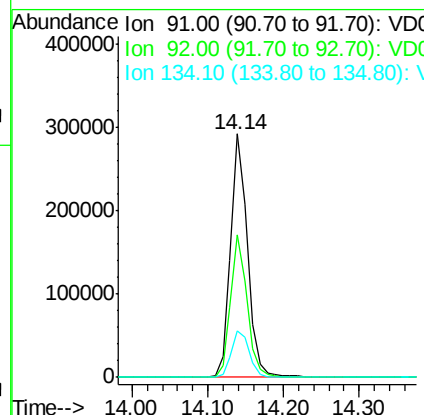
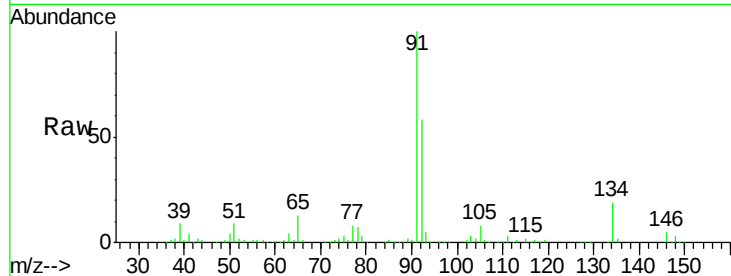




#89
n-Butylbenzene
Concen: 22.42 ug/l
RT: 14.14 min Scan# 1325
Delta R.T. -0.02 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

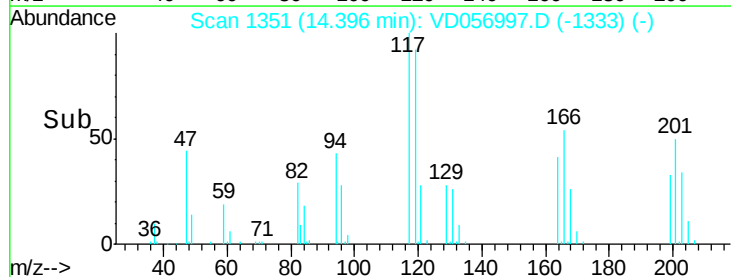
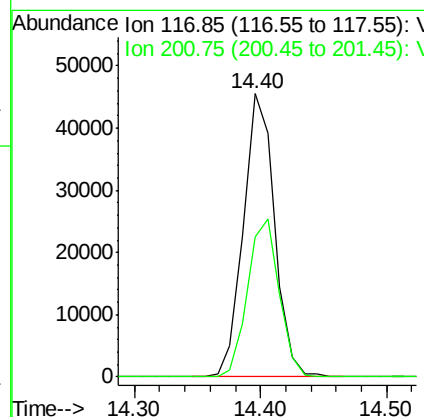
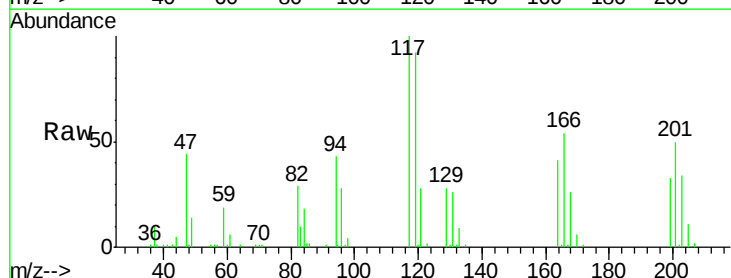
Instrument :
MSVOA_X
ClientSampleId :
VD0328SBS01

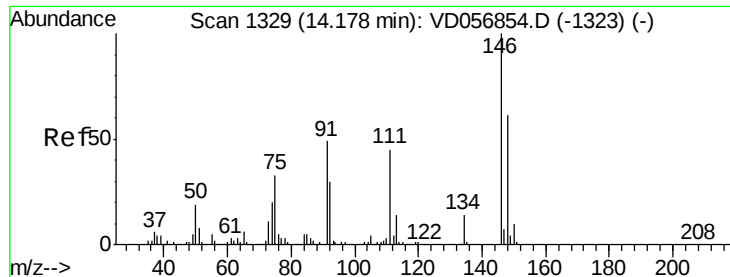
Tgt Ion: 91 Resp: 452441
Ion Ratio Lower Upper
91 100
92 58.4 30.2 90.6
134 19.3 10.4 31.4



#90
Hexachloroethane
Concen: 16.94 ug/l
RT: 14.40 min Scan# 1351
Delta R.T. -0.03 min
Lab File: VD056997.D
Acq: 28 Mar 2018 12:20

Tgt Ion: 117 Resp: 77791
Ion Ratio Lower Upper
117 100
201 49.6 32.2 96.6

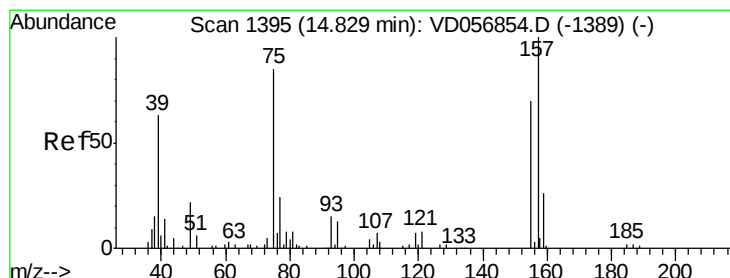
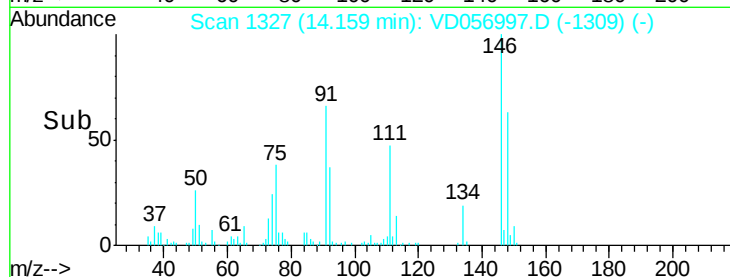
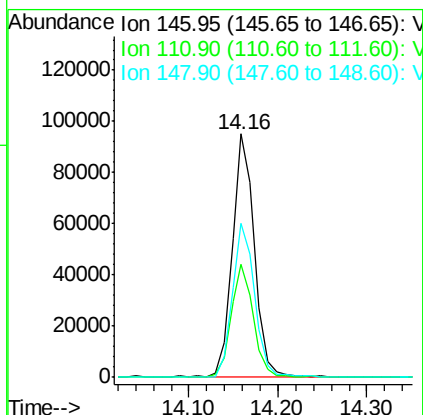
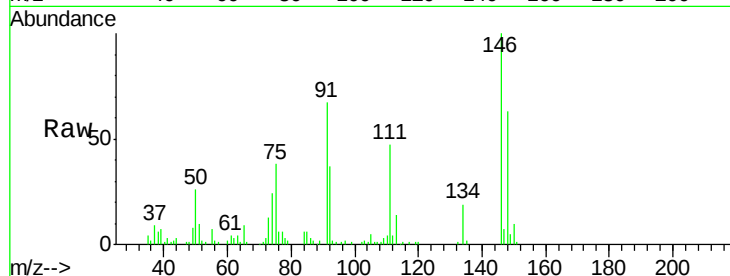




#91
 1,2-Dichlorobenzene
 Concen: 20.77 ug/l
 RT: 14.16 min Scan# 1327
 Delta R.T. -0.03 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

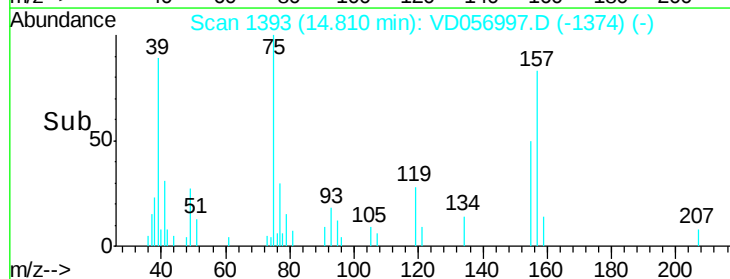
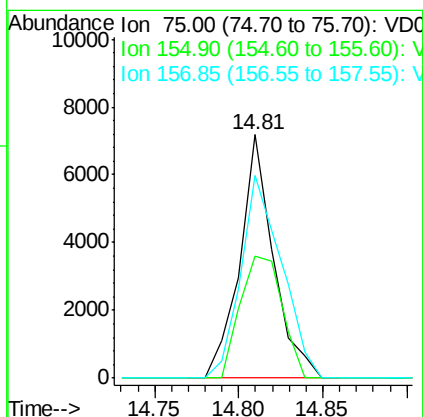
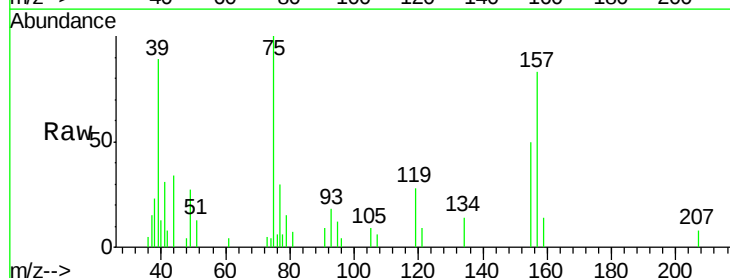
Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

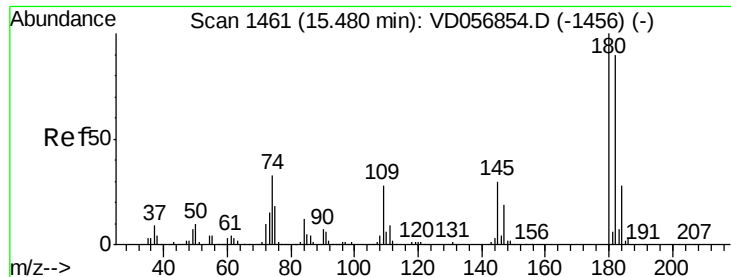
Tgt Ion:146 Resp: 165558
 Ion Ratio Lower Upper
 146 100
 111 46.6 21.1 63.4
 148 63.1 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.63 ug/l
 RT: 14.81 min Scan# 1393
 Delta R.T. -0.02 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion: 75 Resp: 9990
 Ion Ratio Lower Upper
 75 100
 155 50.1 35.8 107.3
 157 83.3 42.9 128.5

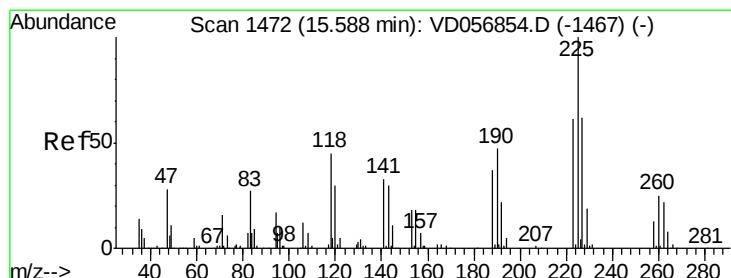
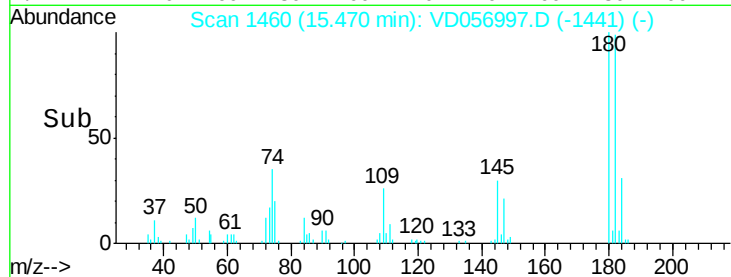
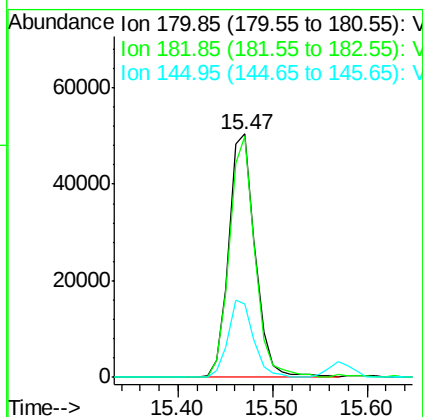
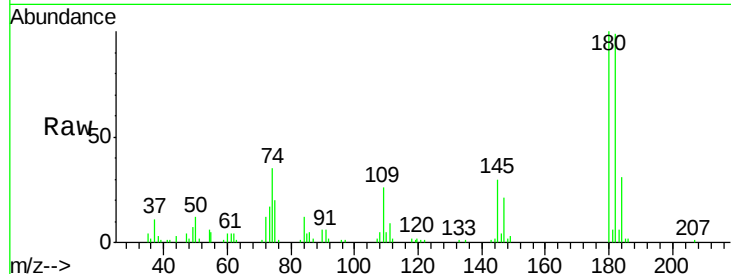




#93
 1,2,4-Trichlorobenzene
 Concen: 19.38 ug/l
 RT: 15.47 min Scan# 1460
 Delta R.T. -0.02 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

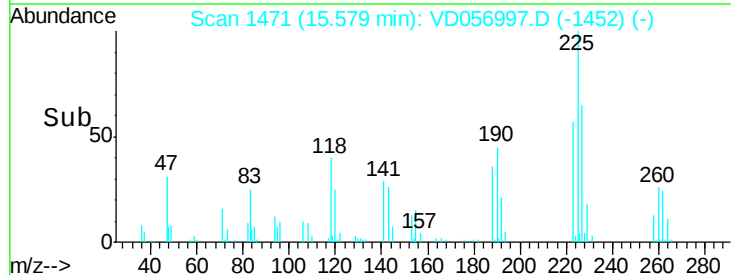
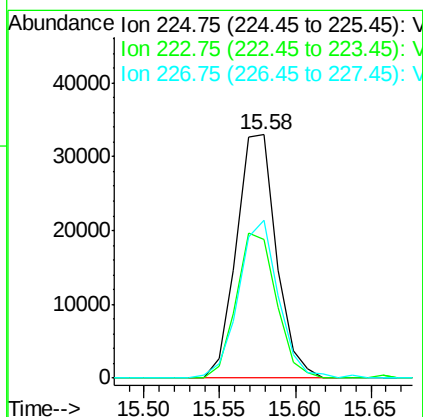
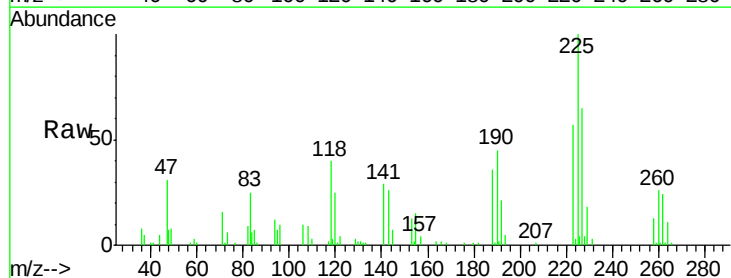
Instrument :
 MSVOA_X
 ClientSampleId :
 VD0328SBS01

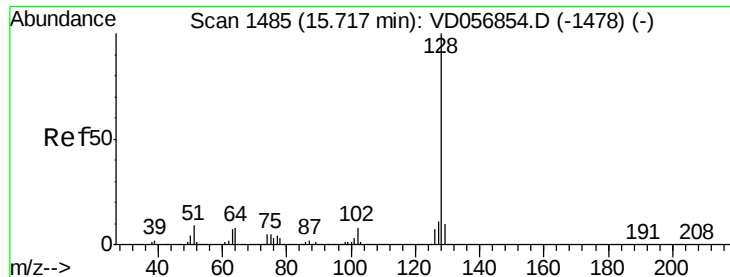
Tgt Ion:180 Resp: 97475
 Ion Ratio Lower Upper
 180 100
 182 99.2 46.3 138.9
 145 30.1 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 21.12 ug/l
 RT: 15.58 min Scan# 1471
 Delta R.T. -0.02 min
 Lab File: VD056997.D
 Acq: 28 Mar 2018 12:20

Tgt Ion:225 Resp: 60663
 Ion Ratio Lower Upper
 225 100
 223 57.2 30.6 91.8
 227 64.6 31.8 95.4





#95

Naphthalene

Concen: 18.26 ug/l

RT: 15.70 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

Instrument :

MSVOA_X

ClientSampleId :

VD0328SBS01

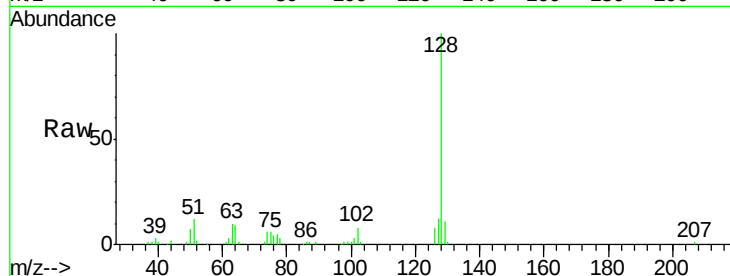
Tgt Ion:128 Resp: 165712

Ion Ratio Lower Upper

128 100

127 12.3 9.3 13.9

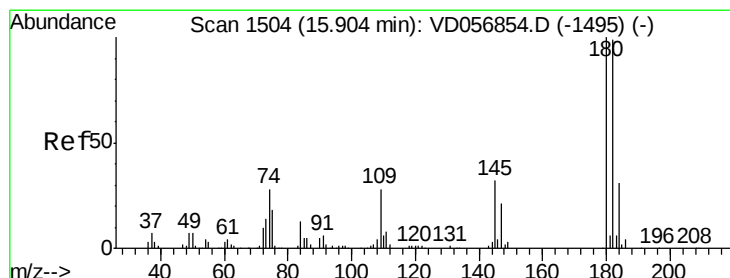
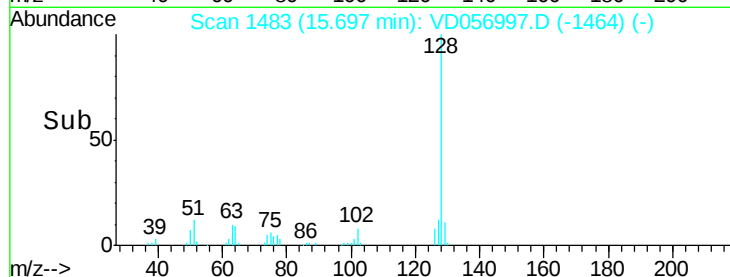
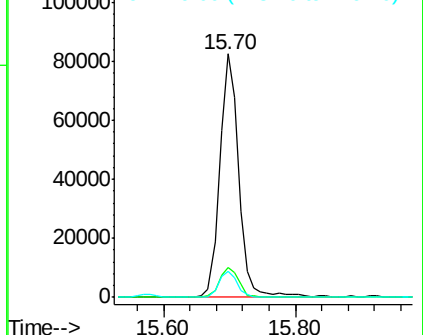
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.67 ug/l

RT: 15.88 min Scan# 1502

Delta R.T. -0.02 min

Lab File: VD056997.D

Acq: 28 Mar 2018 12:20

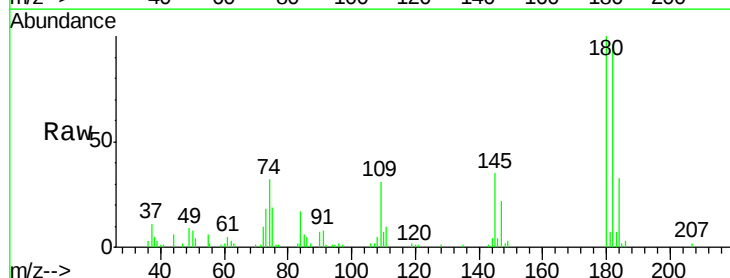
Tgt Ion:180 Resp: 77055

Ion Ratio Lower Upper

180 100

182 96.3 47.2 141.6

145 34.8 16.9 50.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

