

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059782.D
 Acq On : 14 Aug 2018 23:54
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 15 08:12:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:11:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	241684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	326622	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	275239	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	149540	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	30452	8.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.56%	
35) Dibromofluoromethane	5.53	113	28655	8.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.52%	
50) Toluene-d8	8.70	98	66307	9.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.82%	
62) 4-Bromofluorobenzene	11.93	95	29846	9.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	27670	7.95	ug/l	98
3) Chloromethane	1.47	50	14632	10.47	ug/l	89
4) Vinyl Chloride	1.54	62	14952	8.71	ug/l	99
5) Bromomethane	1.78	94	6448	9.10	ug/l #	74
6) Chloroethane	1.88	64	8050	9.44	ug/l	99
7) Trichlorofluoromethane	2.08	101	27909	7.89	ug/l	98
8) Diethyl Ether	2.34	74	4669	8.10	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.54	101	15383	8.40	ug/l	98
10) Methyl Iodide	2.68	142	11877	6.00	ug/l	95
11) Tert butyl alcohol	3.25	59	5065	39.51	ug/l #	74
12) 1,1-Dichloroethene	2.53	96	10308	7.84	ug/l	93
13) Acrolein	2.46	56	2982	35.77	ug/l #	76
14) Allyl chloride	2.91	41	26869	9.14	ug/l	93
15) Acrylonitrile	3.34	53	17801	53.83	ug/l	98
16) Acetone	2.60	43	20851	35.94	ug/l	99
17) Carbon Disulfide	2.75	76	30481	6.97	ug/l	99
18) Methyl Acetate	2.93	43	8287	7.02	ug/l	96
19) Methyl tert-butyl Ether	3.39	73	51426	9.75	ug/l	97
20) Methylene Chloride	3.07	84	16179	9.40	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	20655	11.44	ug/l	89
22) Diisopropyl ether	4.06	45	71645	12.02	ug/l #	96
23) Vinyl Acetate	4.01	43	205914	53.03	ug/l	98
24) 1,1-Dichloroethane	3.96	63	43412	10.28	ug/l	96
25) 2-Butanone	4.83	43	30933	46.04	ug/l #	88
26) 2,2-Dichloropropane	4.80	77	40268	8.48	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	23773	11.14	ug/l	95
28) Bromochloromethane	5.13	49	17764	11.55	ug/l	90
29) Tetrahydrofuran	5.18	42	15186	59.28	ug/l	94
30) Chloroform	5.31	83	52016	9.50	ug/l	91
31) Cyclohexane	5.58	56	32561	12.89	ug/l	88
32) 1,1,1-Trichloroethane	5.51	97	44147	7.98	ug/l	99
36) 1,1-Dichloropropene	5.73	75	32100	8.72	ug/l	92
37) Ethyl Acetate	4.91	43	15190	9.28	ug/l #	88
38) Carbon Tetrachloride	5.71	117	38627	6.90	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	27695	9.82	ug/l	97
40) Benzene	6.01	78	70089	10.51	ug/l	96
41) Methacrylonitrile	5.12	41	6819	8.56	ug/l #	86
42) 1,2-Dichloroethane	6.11	62	36689	7.45	ug/l	98
43) Isopropyl Acetate	7.61	43	19415	9.34	ug/l	96
44) Trichloroethene	6.97	130	23606	9.11	ug/l	96
45) 1,2-Dichloropropane	7.33	63	17447	10.14	ug/l	98
46) Dibromomethane	7.45	93	14528	8.46	ug/l	98
47) Bromodichloromethane	7.74	83	35205	7.83	ug/l	99
48) Methyl methacrylate	7.49	41	12106	8.11	ug/l	96
49) 1,4-Dioxane	7.48	88	1622	152.68	ug/l #	86
51) 4-Methyl-2-Pentanone	8.58	43	67321	42.09	ug/l	100
52) Toluene	8.79	92	46182	10.75	ug/l	96
53) t-1,3-Dichloropropene	9.18	75	28666	7.90	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	33153	9.19	ug/l	89
55) 1,1,2-Trichloroethane	9.45	97	16953	10.17	ug/l	97
56) Ethyl methacrylate	9.30	69	16552	8.71	ug/l	98
57) 1,3-Dichloropropane	9.66	76	26186	9.60	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.18	63	46229	53.00	ug/l	98
59) 2-Hexanone	9.77	43	46459	39.45	ug/l	98
60) Dibromochloromethane	9.95	129	23152	7.54	ug/l	99
61) 1,2-Dibromoethane	10.09	107	17854	8.80	ug/l	96
64) Tetrachloroethene	9.51	164	22055	8.38	ug/l	96
65) Chlorobenzene	10.72	112	55447	9.96	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.85	131	21715	7.98	ug/l	95
67) Ethyl Benzene	10.86	91	95626	9.29	ug/l	95
68) m/p-Xylenes	11.00	106	63245	18.76	ug/l	96
69) o-Xylene	11.40	106	32254	9.90	ug/l	93
70) Styrene	11.43	104	57063	10.57	ug/l	99
71) Bromoform	11.59	173	14241	7.01	ug/l	96
73) Isopropylbenzene	11.77	105	93144	9.27	ug/l	95
74) N-amyl acetate	11.64	43	27269	9.40	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	18798	10.10	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	20905	9.69	ug/l	96
77) Bromobenzene	12.04	156	26626	9.06	ug/l	90
78) n-propylbenzene	12.15	91	121552	9.92	ug/l	96
79) 2-Chlorotoluene	12.21	91	73182	9.46	ug/l	90
80) 1,3,5-Trimethylbenzene	12.31	105	74777	8.67	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.84	75	4418	8.84	ug/l	86
82) 4-Chlorotoluene	12.32	91	84749	9.39	ug/l	95
83) tert-Butylbenzene	12.57	119	86554	9.20	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	82490	9.26	ug/l	99
85) sec-Butylbenzene	12.76	105	101439	10.04	ug/l	96
86) p-Isopropyltoluene	12.88	119	84213	9.33	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	49769	10.02	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	48173	9.62	ug/l	98
89) n-Butylbenzene	13.19	91	87502	9.71	ug/l	99
90) Hexachloroethane	13.39	117	19601	8.46	ug/l	90
91) 1,2-Dichlorobenzene	13.19	146	43105	10.13	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.77	75	2800	6.35	ug/l	99

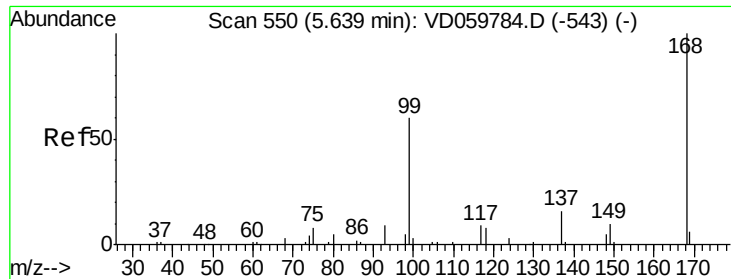
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	33441	8.46	ug/l	97
94) Hexachlorobutadiene	14.43	225	24605	7.60	ug/l	98
95) Naphthalene	14.52	128	48909	9.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	29216	8.65	ug/l	96

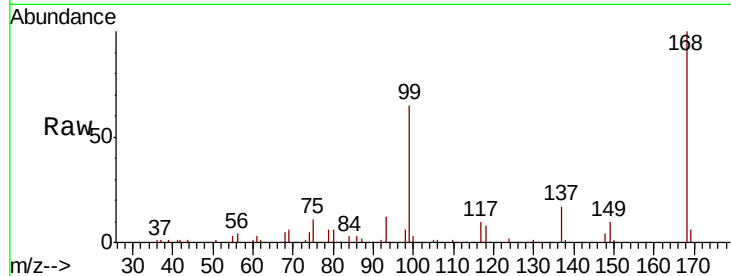
(#) = qualifier out of range (m) = manual integration (+) = signals summed



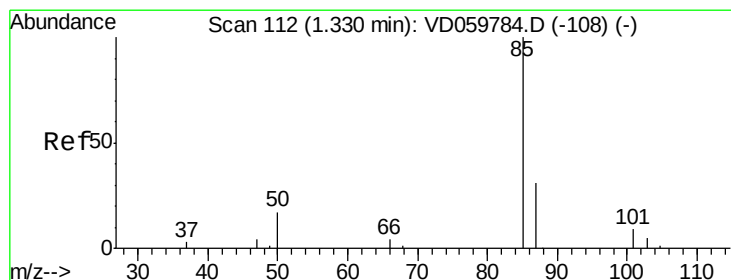
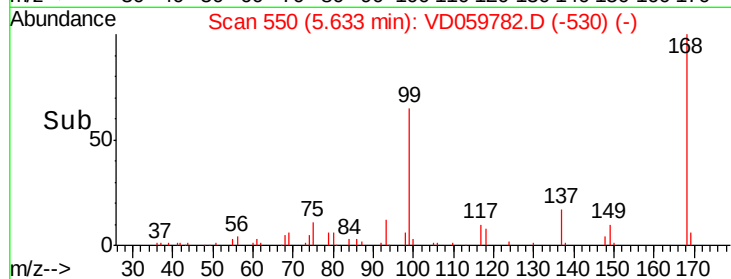
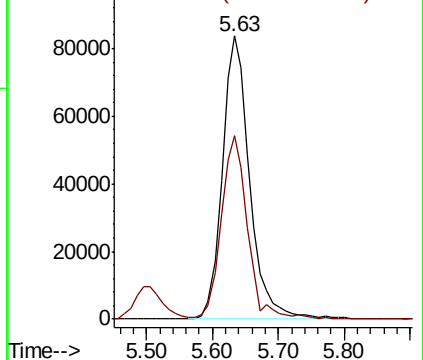
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Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.63 min Scan# 550
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:168 Resp: 241684
Ion Ratio Lower Upper
168 100
99 64.8 50.3 75.5

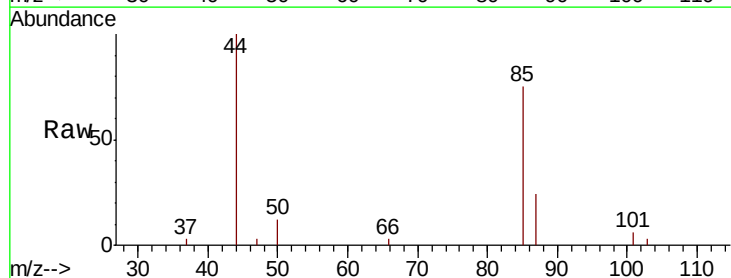


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

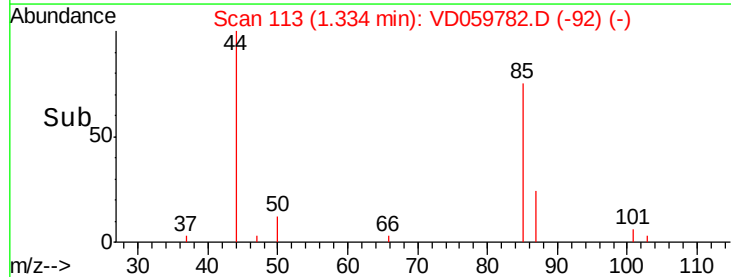
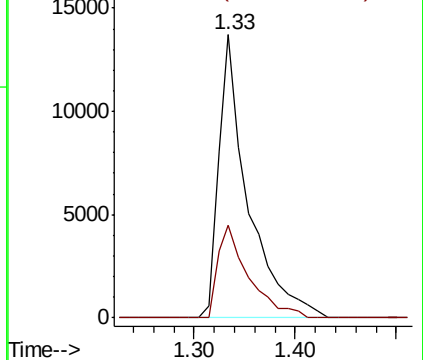


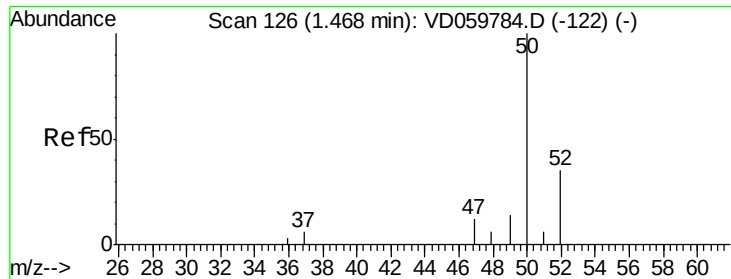
#2
Dichlorodifluoromethane
Concen: 7.95 ug/l
RT: 1.33 min Scan# 113
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 85 Resp: 27670
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.47 ug/l

RT: 1.47 min Scan# 127

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

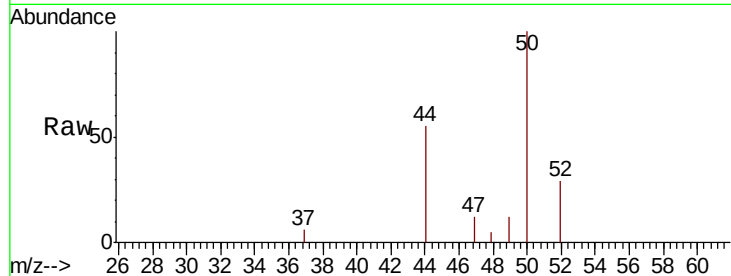
VSTDIC010

Tot Ion: 50 Resp: 14632

Ion Ratio Lower Upper

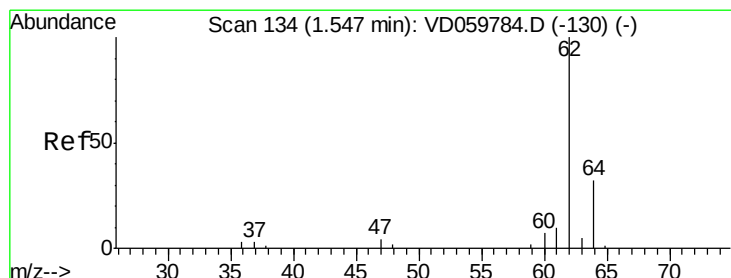
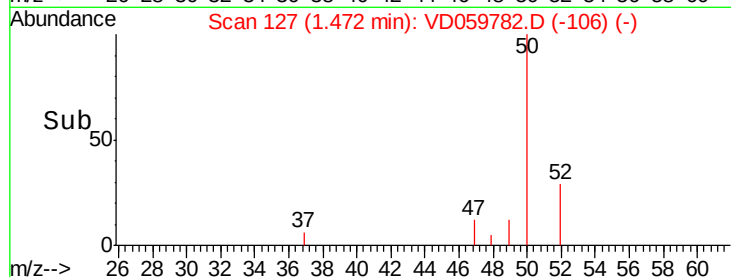
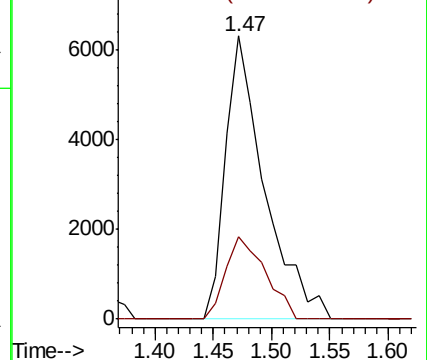
50 100

52 29.3 28.4 42.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 8.71 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD059782.D

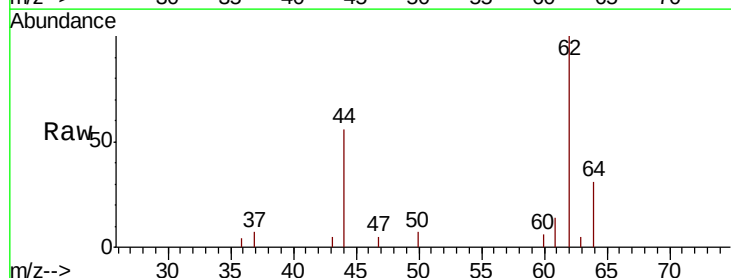
Acq: 14 Aug 2018 23:54

Tgt Ion: 62 Resp: 14952

Ion Ratio Lower Upper

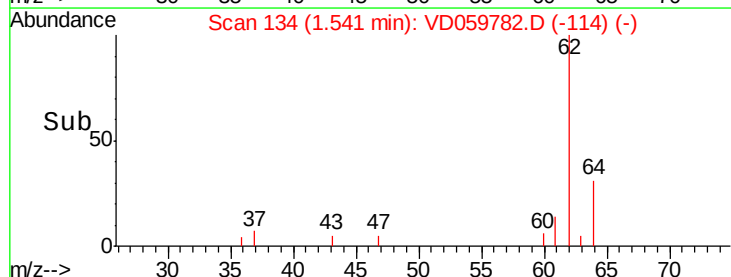
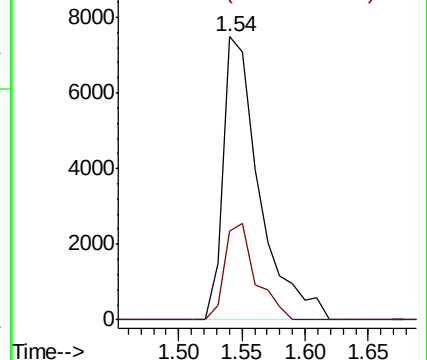
62 100

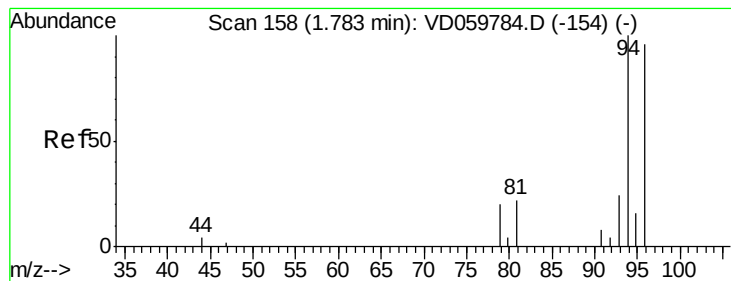
64 31.4 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.10 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

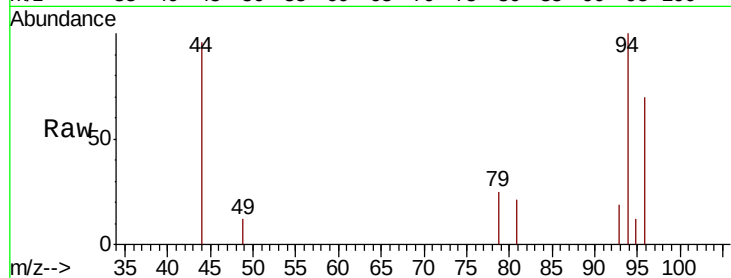
VSTDIC010

Tot Ion: 94 Resp: 6448

Ion Ratio Lower Upper

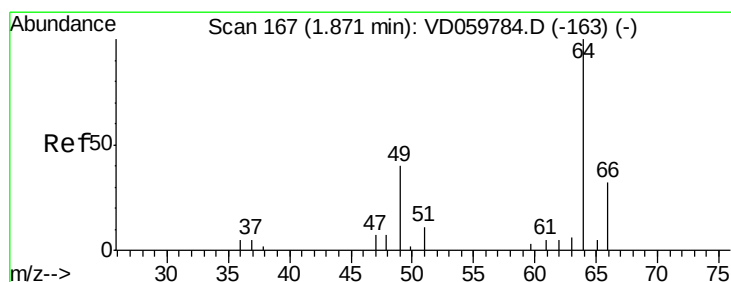
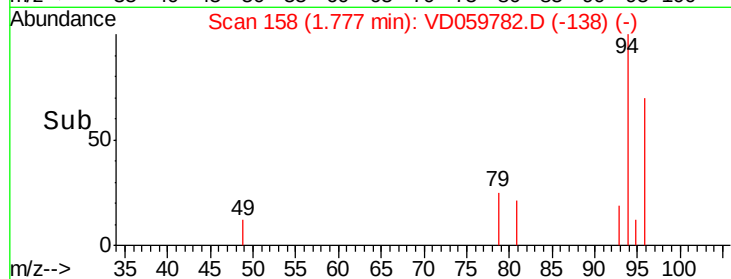
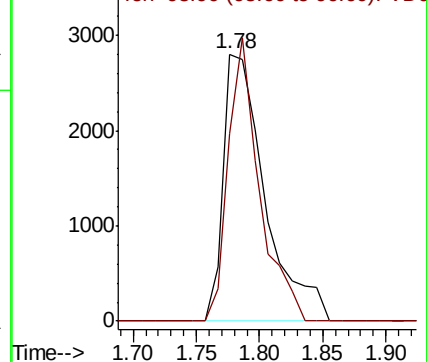
94 100

96 70.4 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 9.44 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD059782.D

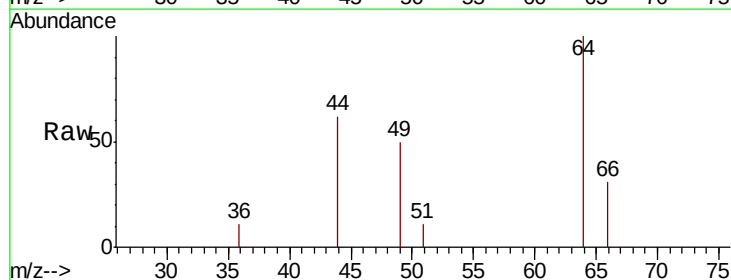
Acq: 14 Aug 2018 23:54

Tgt Ion: 64 Resp: 8050

Ion Ratio Lower Upper

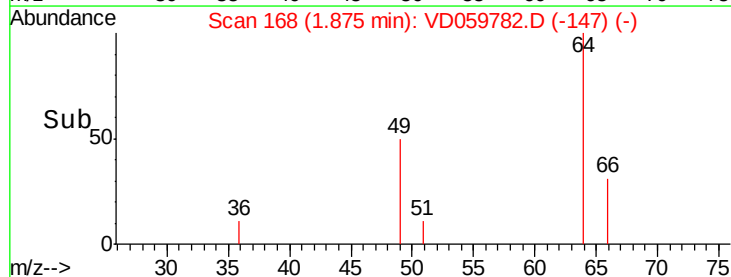
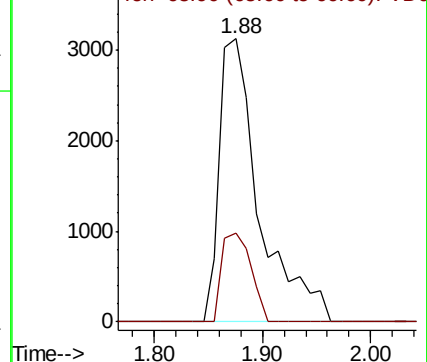
64 100

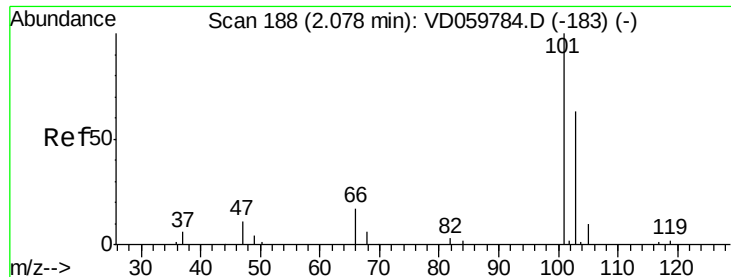
66 31.2 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



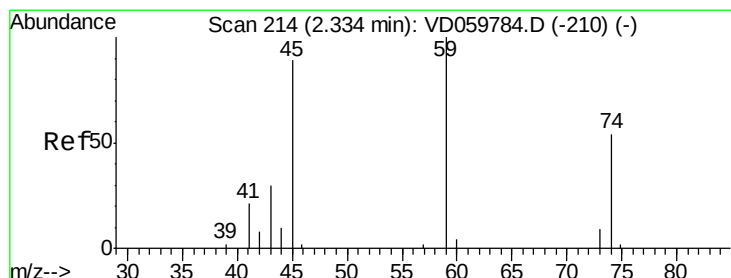
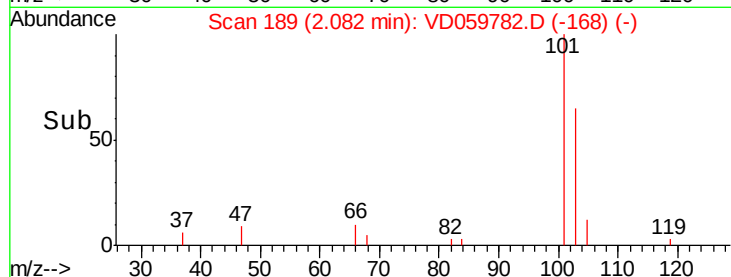
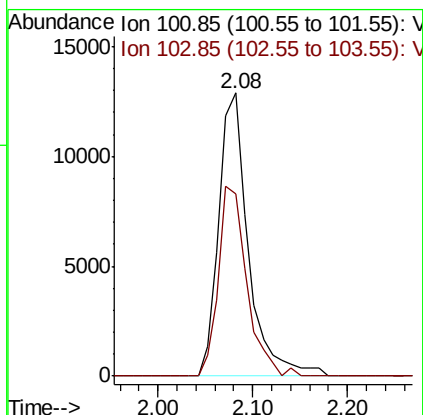
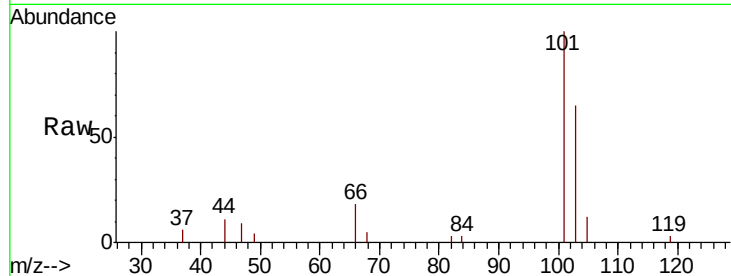


#7

Trichlorofluoromethane
 Concen: 7.89 ug/l
 RT: 2.08 min Scan# 189
 Delta R.T. 0.00 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

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 VSTDIC010

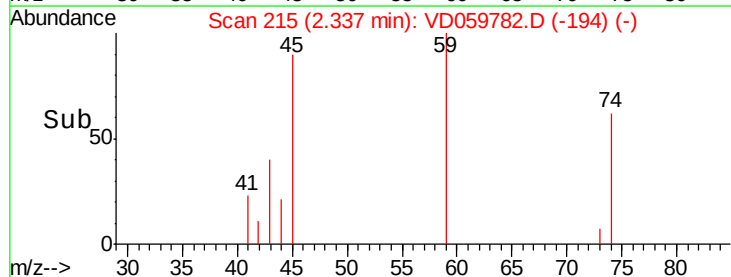
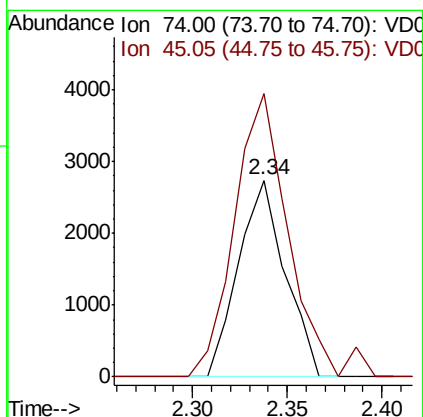
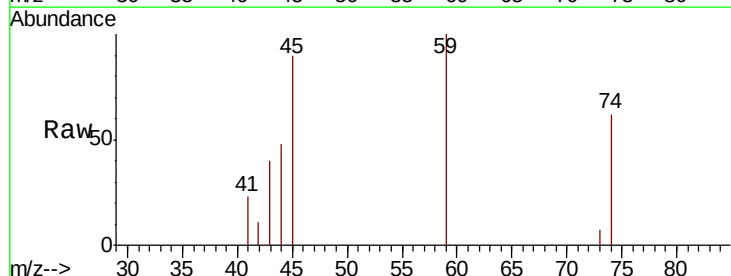
Tot Ion:101 Resp: 27909
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.4 75.6

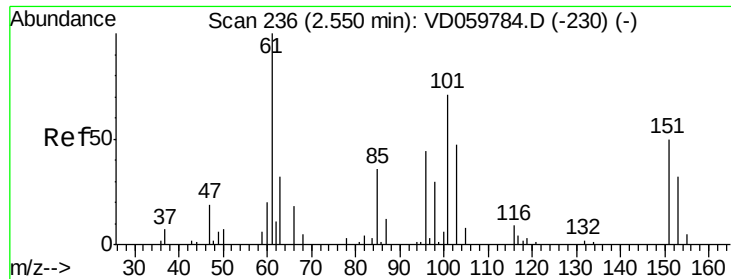


#8

Diethyl Ether
 Concen: 8.10 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion: 74 Resp: 4669
 Ion Ratio Lower Upper
 74 100
 45 144.2 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.40 ug/l

RT: 2.54 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

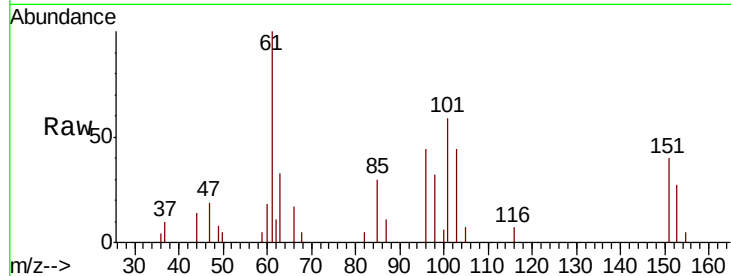
Tot Ion:101 Resp: 15383

Ion Ratio Lower Upper

101 100

85 50.8 40.6 61.0

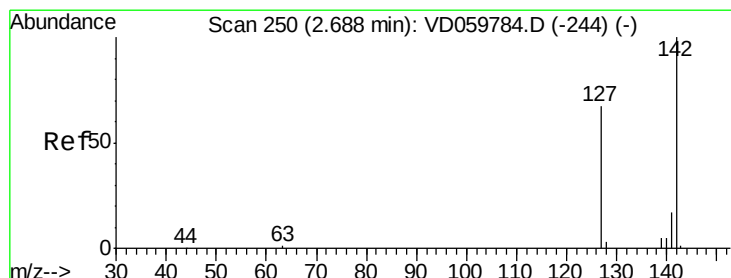
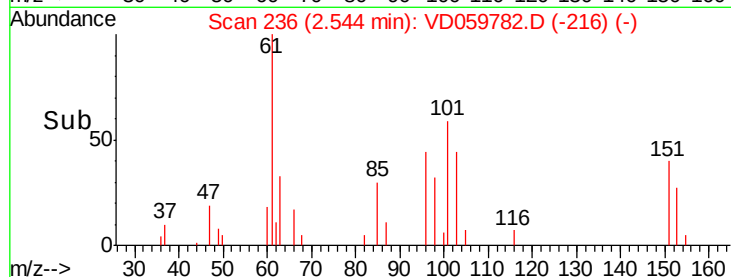
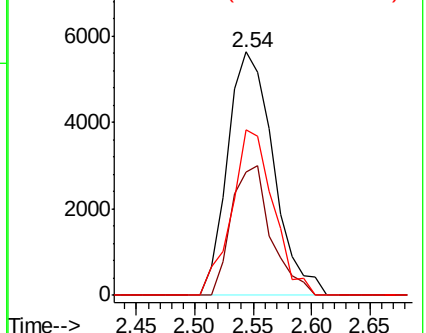
151 68.2 57.1 85.7



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: 6.00 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

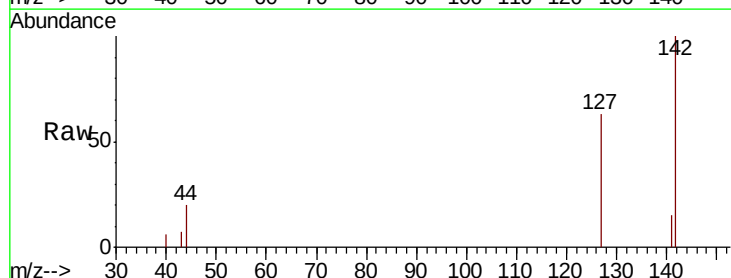
Tgt Ion:142 Resp: 11877

Ion Ratio Lower Upper

142 100

127 63.0 54.0 81.0

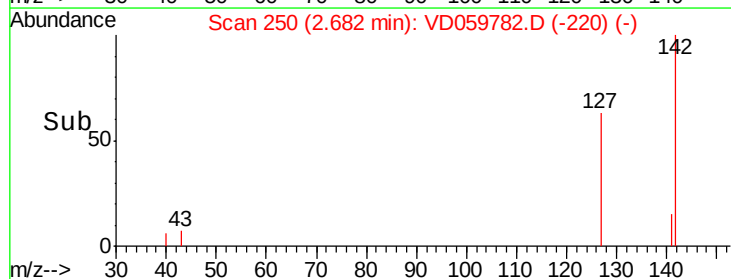
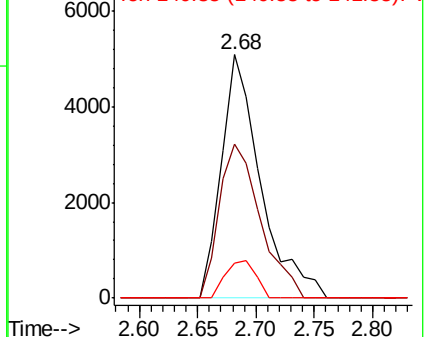
141 14.5 13.3 19.9

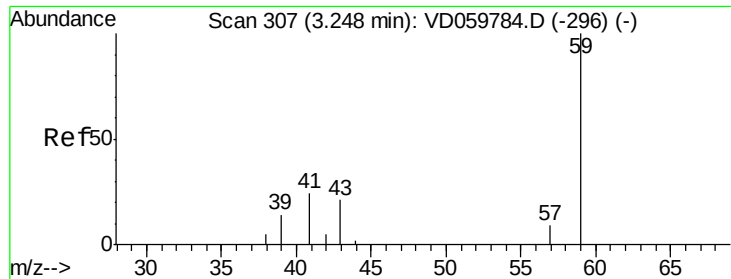


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

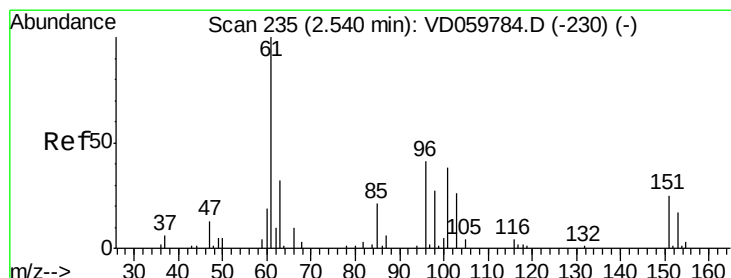
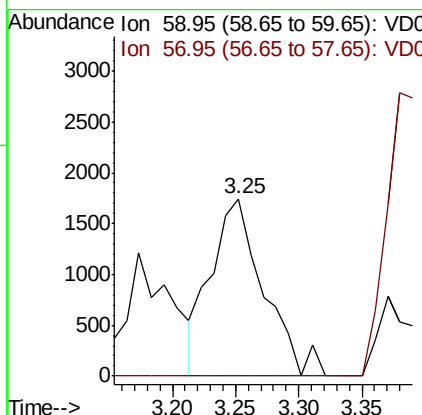
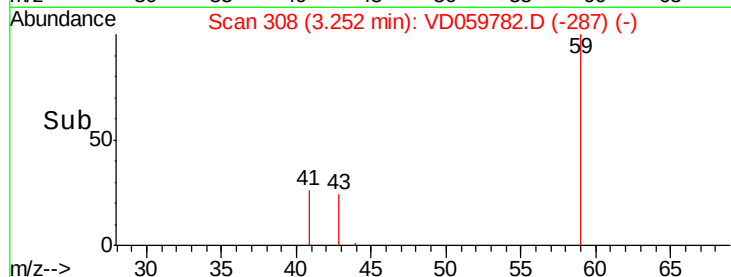
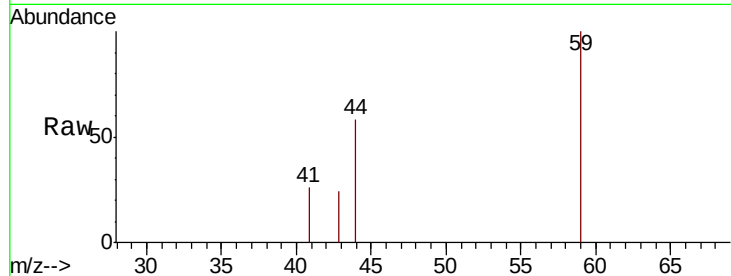




#11
Tert butyl alcohol
Concen: 39.51 ug/l
RT: 3.25 min Scan# 308
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

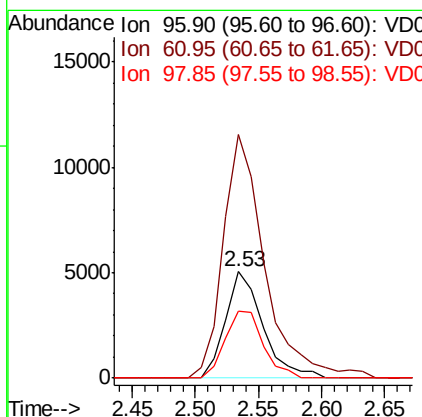
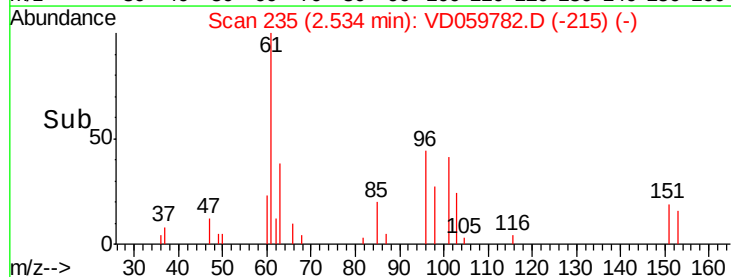
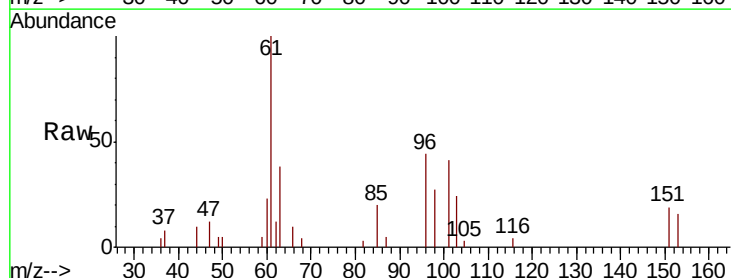
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

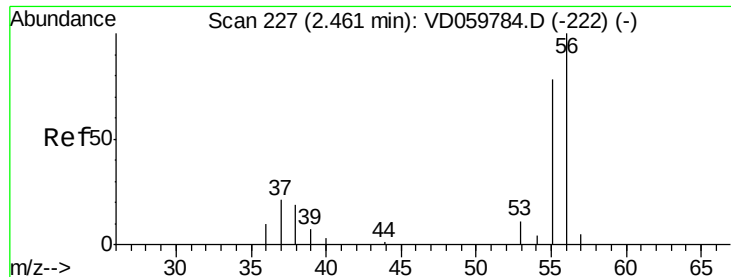
Tot Ion: 59 Resp: 5065
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#



#12
1,1-Dichloroethene
Concen: 7.84 ug/l
RT: 2.53 min Scan# 235
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 96 Resp: 10308
Ion Ratio Lower Upper
96 100
61 229.2 194.1 291.1
98 63.0 52.3 78.5





#13

Acrolein

Concen: 35.77 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

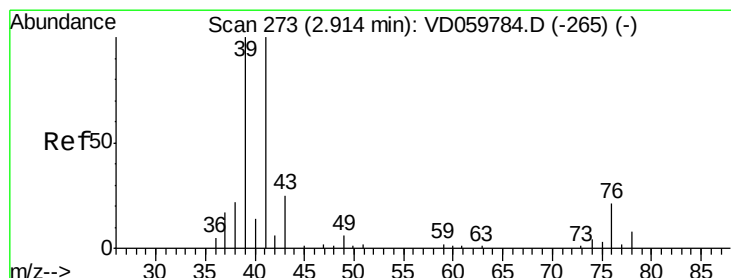
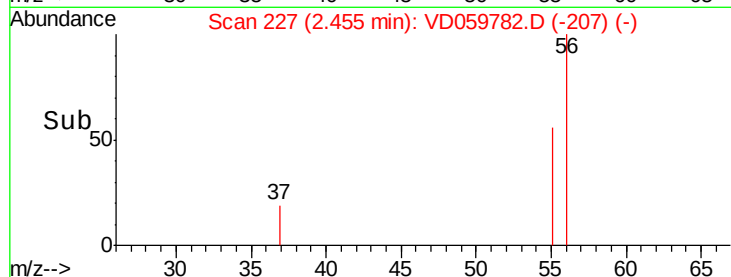
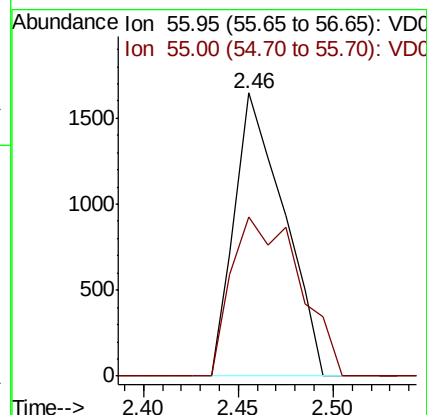
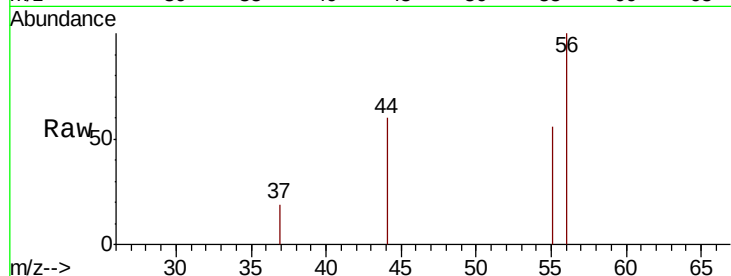
VSTDIC010

Tot Ion: 56 Resp: 2982

Ion Ratio Lower Upper

56 100

55 56.4 62.2 93.2#



#14

Allyl chloride

Concen: 9.14 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

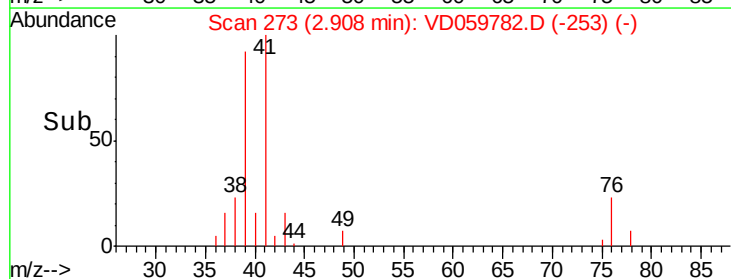
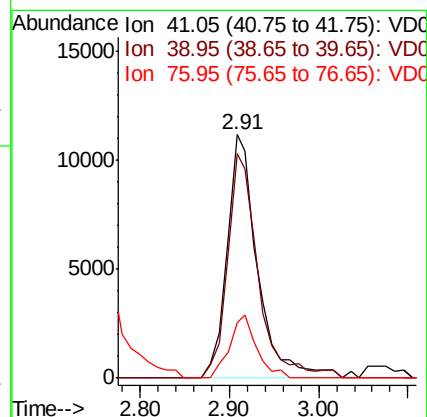
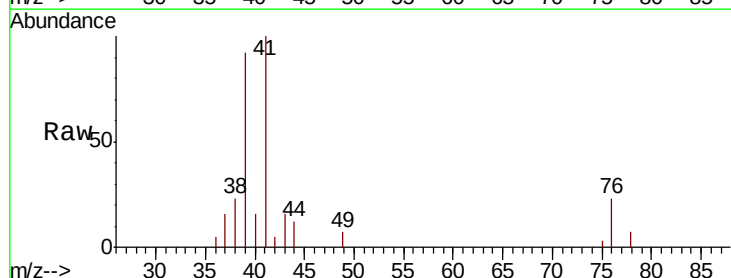
Tgt Ion: 41 Resp: 26869

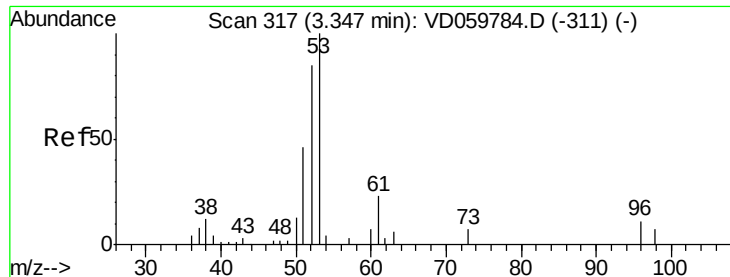
Ion Ratio Lower Upper

41 100

39 92.0 79.8 119.6

76 22.9 20.4 30.6





#15

Acrylonitrile

Concen: 53.83 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

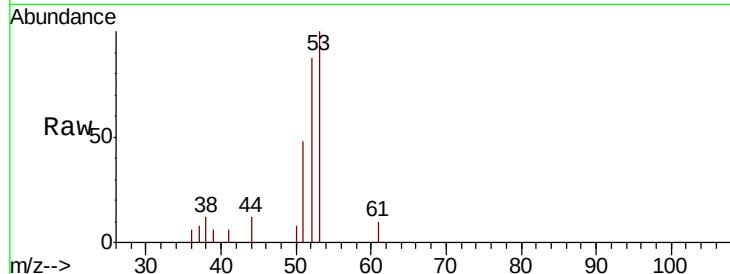
Tot Ion: 53 Resp: 17801

Ion Ratio Lower Upper

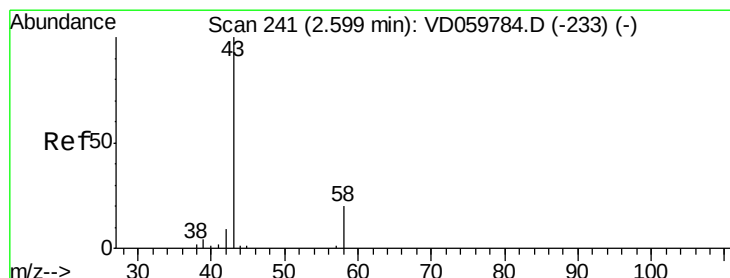
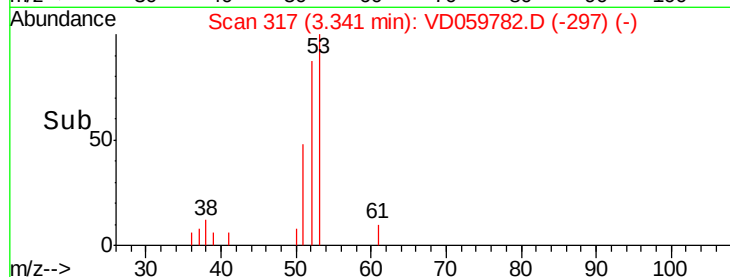
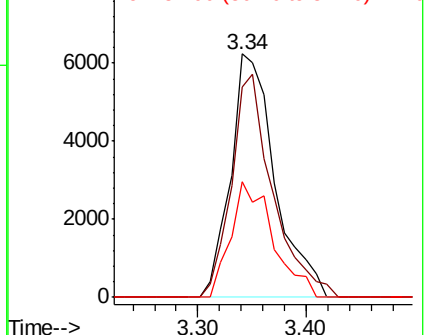
53 100

52 86.6 68.2 102.2

51 47.6 36.6 54.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 35.94 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD059782.D

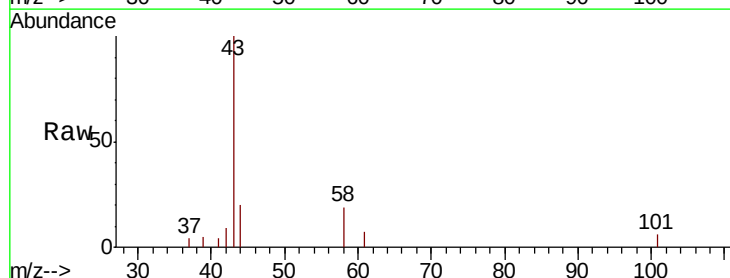
Acq: 14 Aug 2018 23:54

Tgt Ion: 43 Resp: 20851

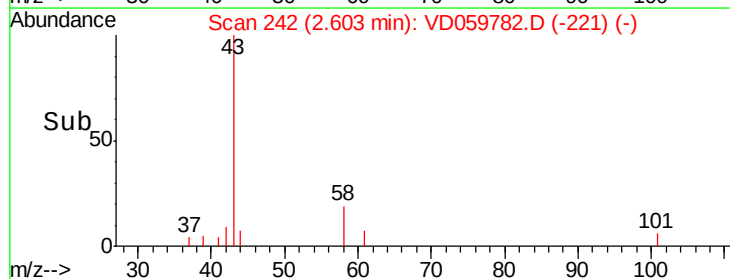
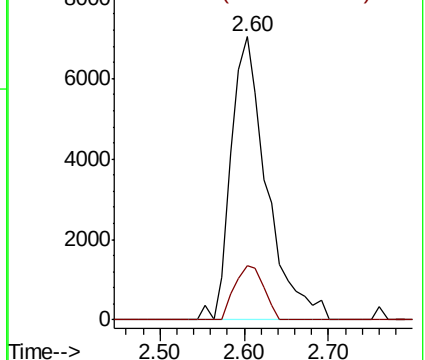
Ion Ratio Lower Upper

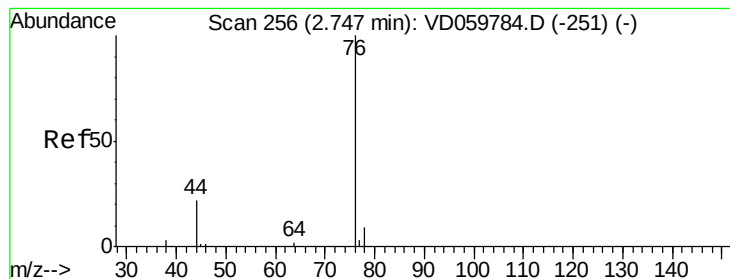
43 100

58 19.1 15.7 23.5



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





#17

Carbon Disulfide

Concen: 6.97 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

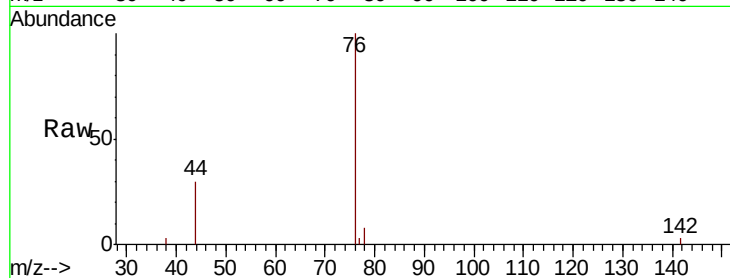
VSTDIC010

Tot Ion: 76 Resp: 30481

Ion Ratio Lower Upper

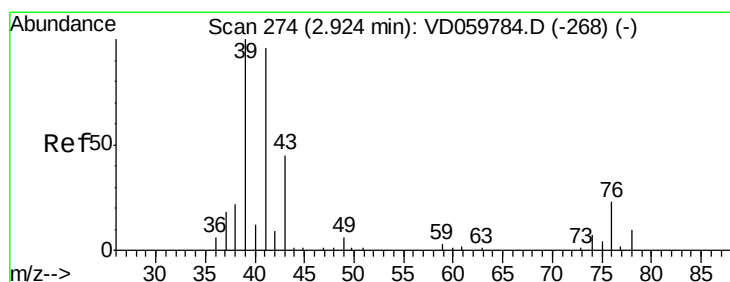
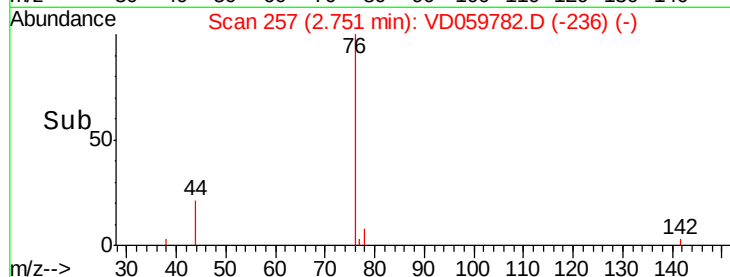
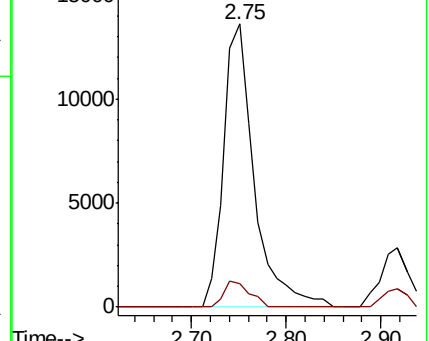
76 100

78 8.2 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 7.02 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD059782.D

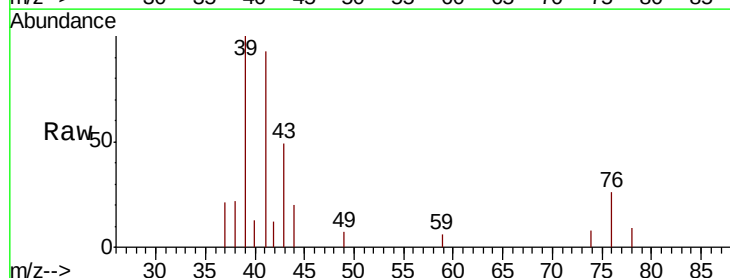
Acq: 14 Aug 2018 23:54

Tgt Ion: 43 Resp: 8287

Ion Ratio Lower Upper

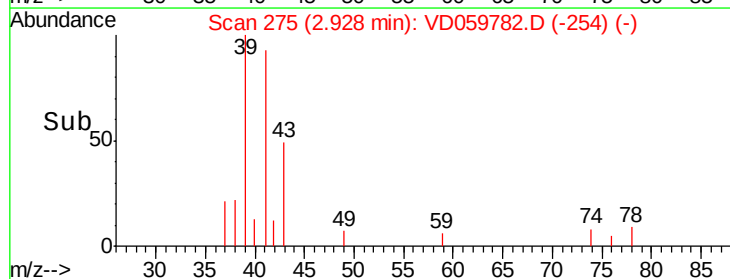
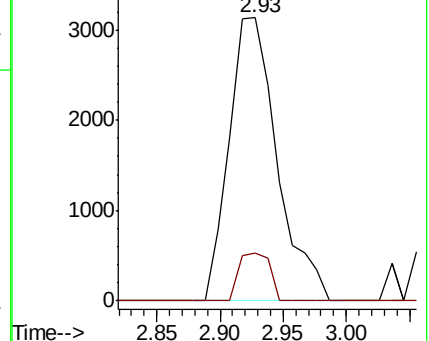
43 100

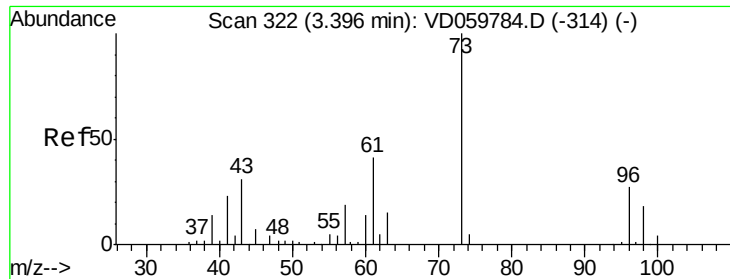
74 17.0 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

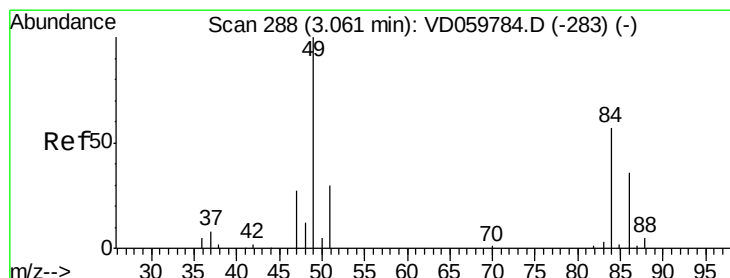
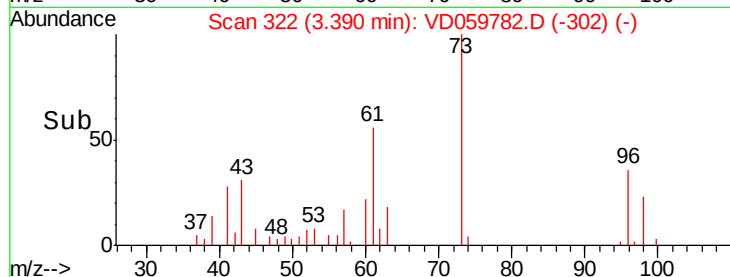
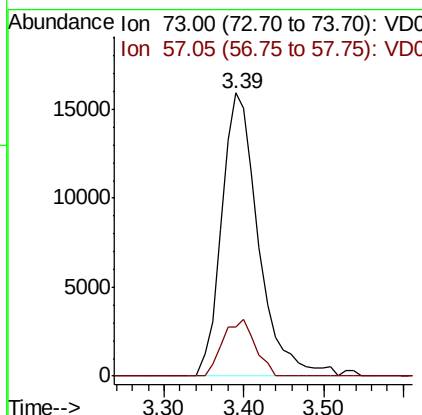
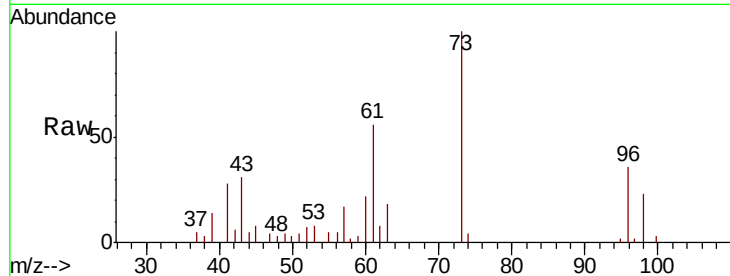




#19
Methyl tert-butyl Ether
Concen: 9.75 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

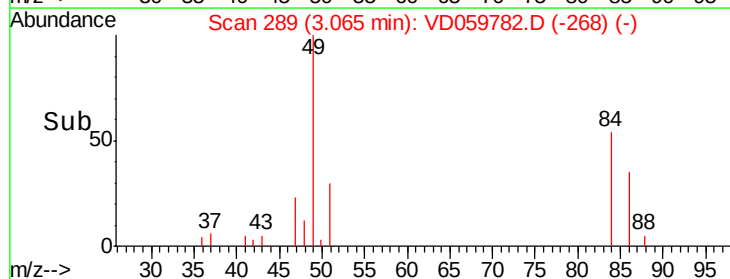
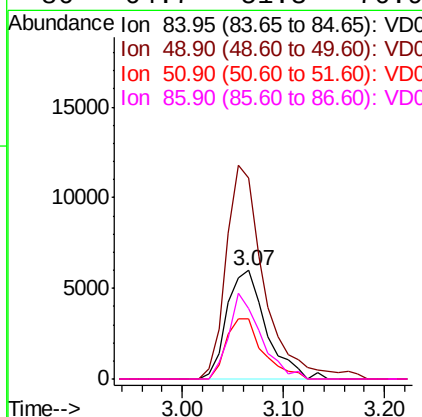
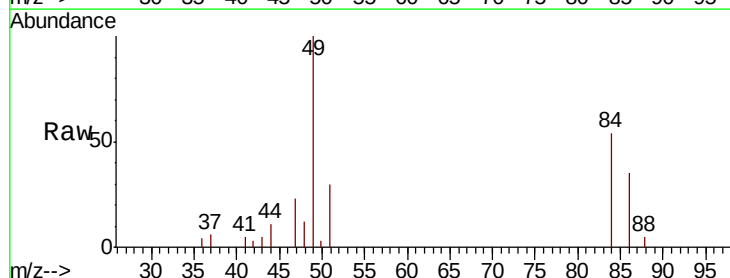
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

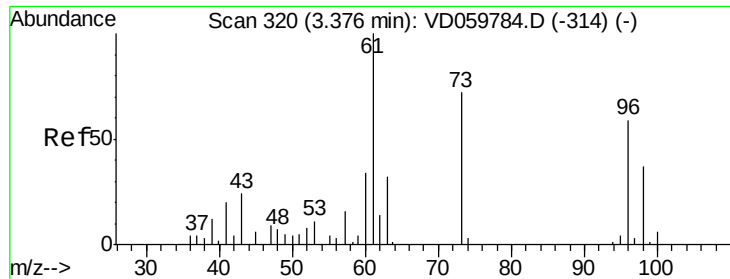
Tot Ion: 73 Resp: 51426
Ion Ratio Lower Upper
73 100
57 17.2 14.8 22.2



#20
Methylene Chloride
Concen: 9.40 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 84 Resp: 16179
Ion Ratio Lower Upper
84 100
49 185.6 140.9 211.3
51 55.4 42.8 64.2
86 64.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 11.44 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

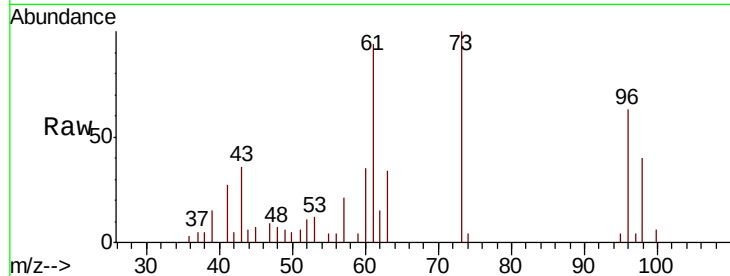
Tot Ion: 96 Resp: 20655

Ion Ratio Lower Upper

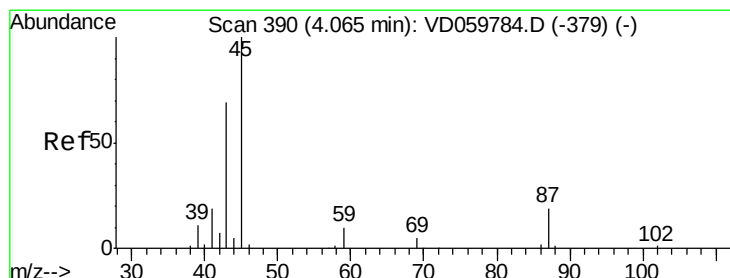
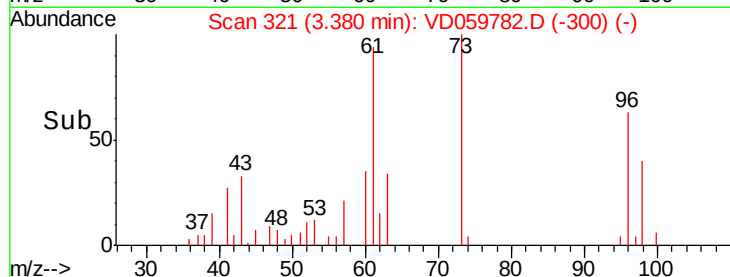
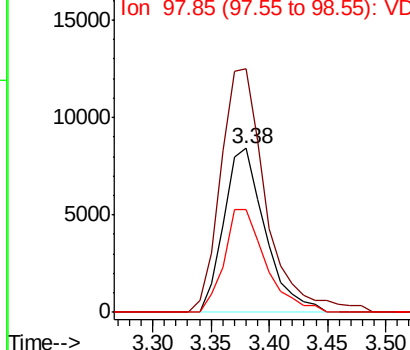
96 100

61 148.8 134.8 202.2

98 63.1 50.0 75.0



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



#22

Diisopropyl ether

Concen: 12.02 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Tgt Ion: 45 Resp: 71645

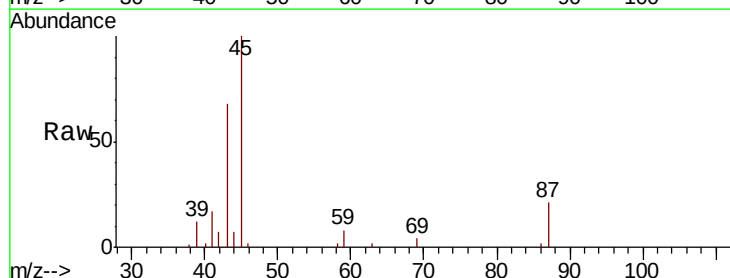
Ion Ratio Lower Upper

45 100

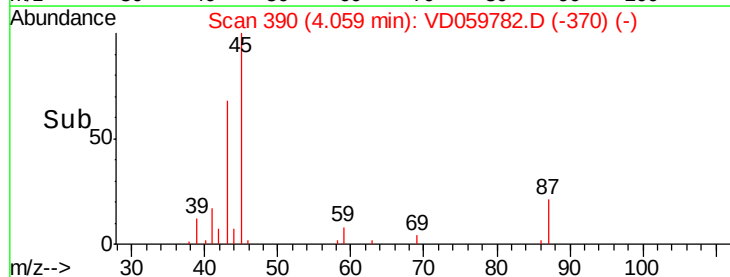
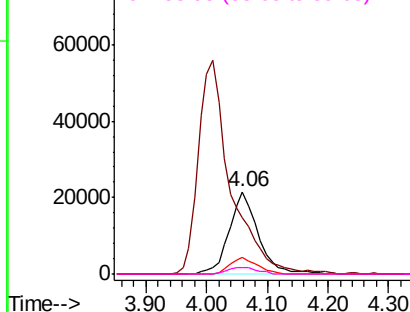
43 68.2 57.5 86.3

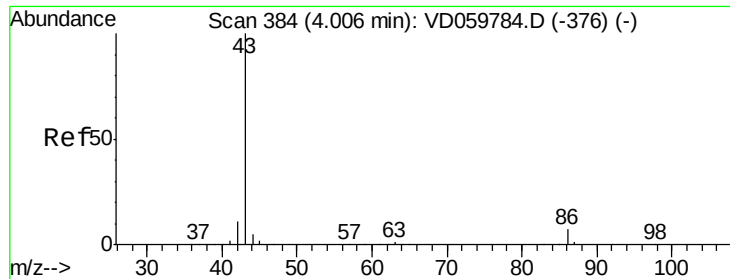
87 20.8 16.1 24.1

59 8.3 8.4 12.6#



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: 53.03 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

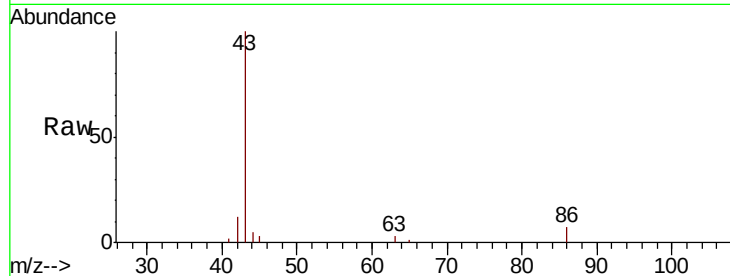
VSTDIC010

Tot Ion: 43 Resp: 205914

Ion Ratio Lower Upper

43 100

86 7.2 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.01

60000

50000

40000

30000

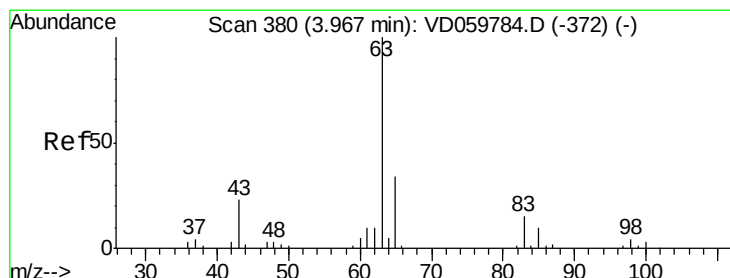
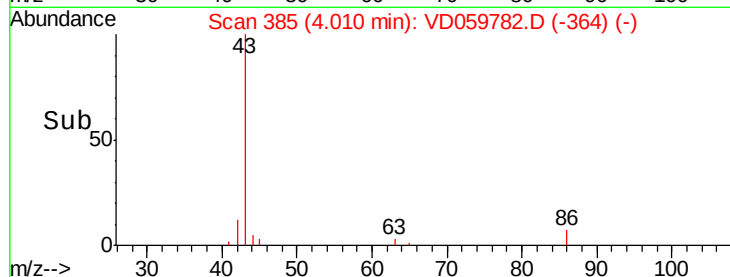
20000

10000

0

Time-->

3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 10.28 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

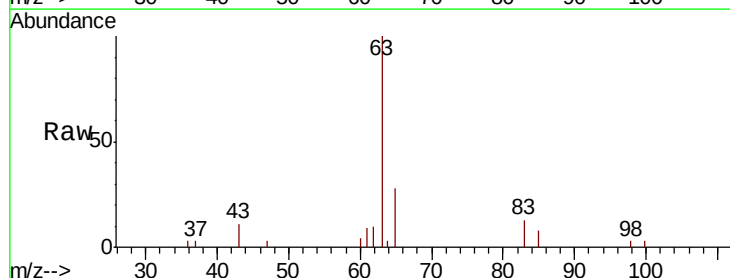
Tgt Ion: 63 Resp: 43412

Ion Ratio Lower Upper

63 100

98 2.8 2.2 6.6

100 2.5 1.6 4.7



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

3.96

20000

15000

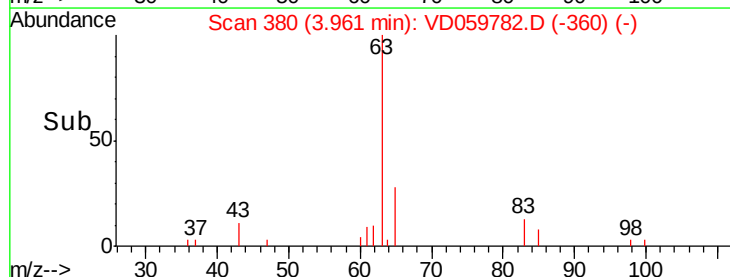
10000

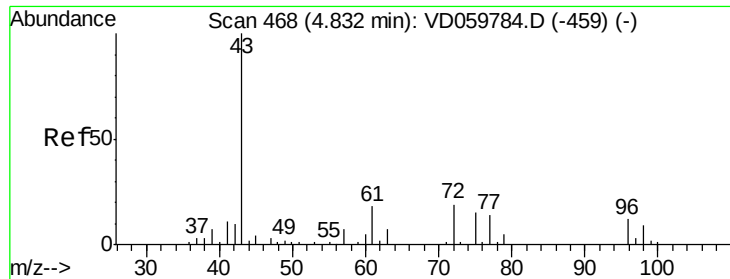
5000

0

Time-->

3.90 4.00 4.10





#25

2-Butanone

Concen: 46.04 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

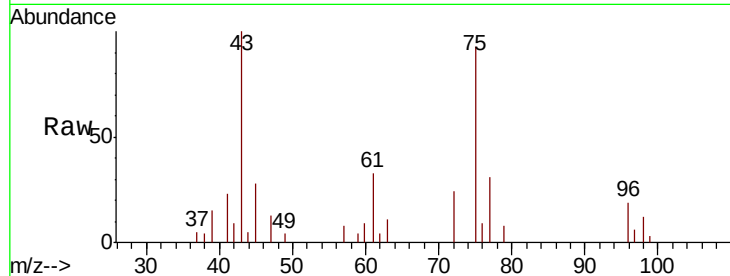
VSTDIC010

Tot Ion: 43 Resp: 30933

Ion Ratio Lower Upper

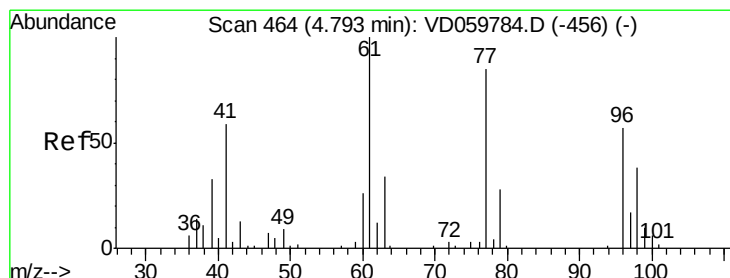
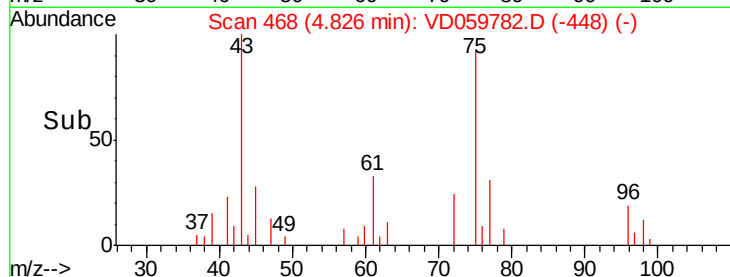
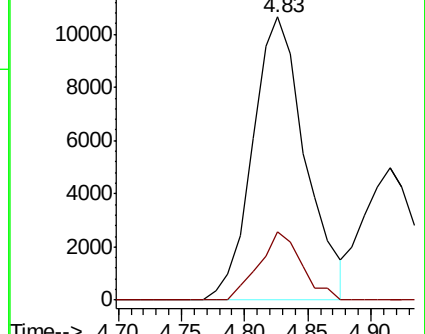
43 100

72 24.0 14.9 22.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 8.48 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059782.D

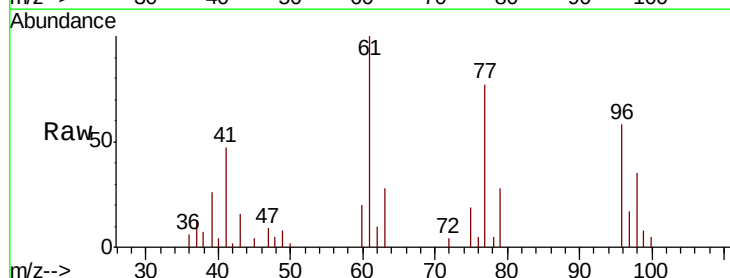
Acq: 14 Aug 2018 23:54

Tgt Ion: 77 Resp: 40268

Ion Ratio Lower Upper

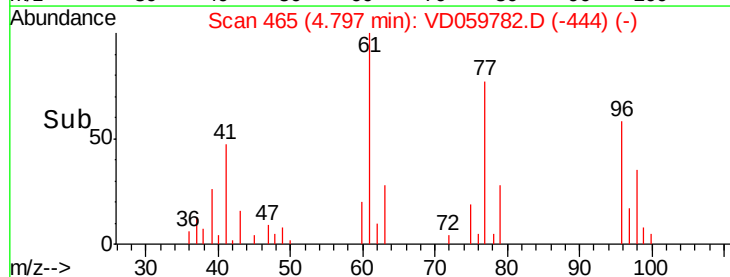
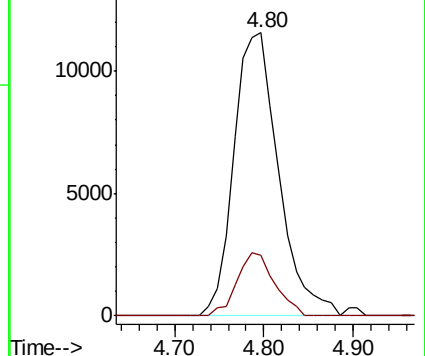
77 100

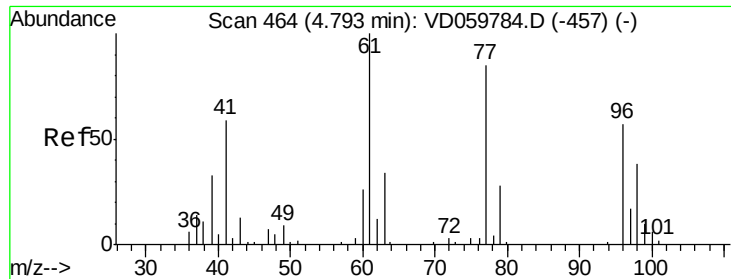
97 21.4 10.3 30.8



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: 11.14 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

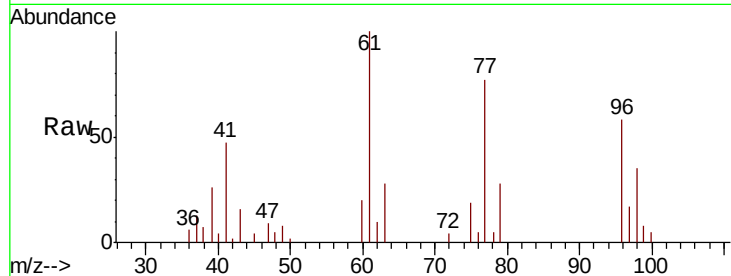
Tot Ion: 96 Resp: 23773

Ion Ratio Lower Upper

96 100

61 171.2 0.0 351.6

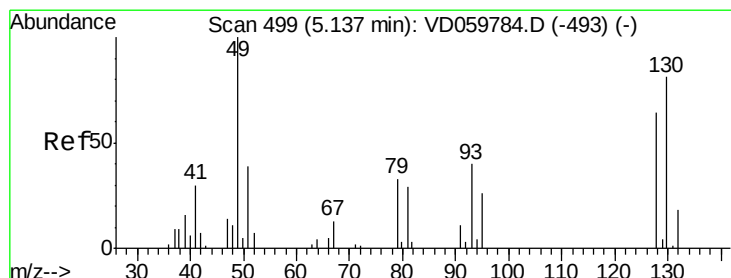
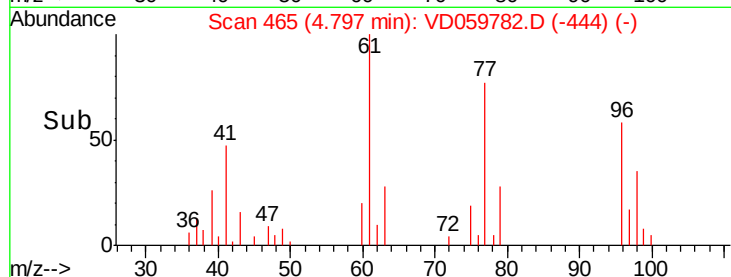
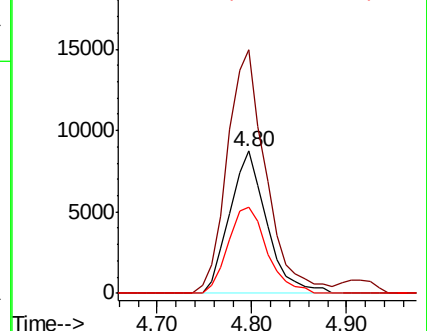
98 60.7 0.0 135.2



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: 11.55 ug/l

RT: 5.13 min Scan# 499

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

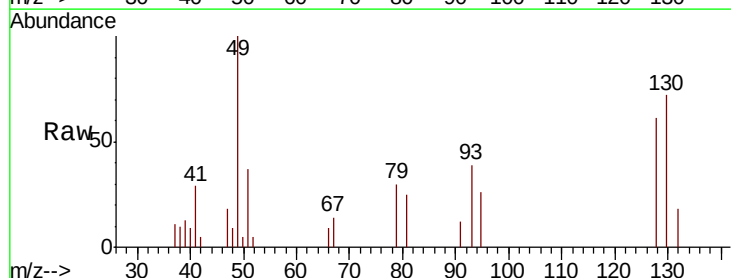
Tgt Ion: 49 Resp: 17764

Ion Ratio Lower Upper

49 100

129 0.0 0.0 7.0

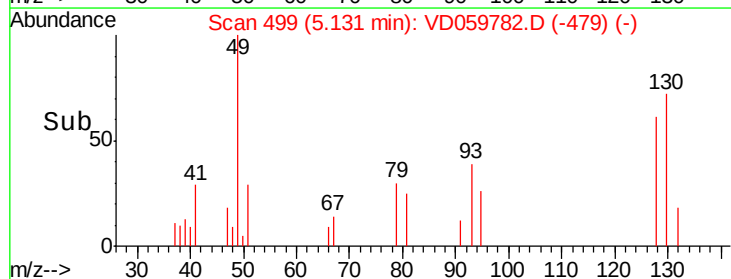
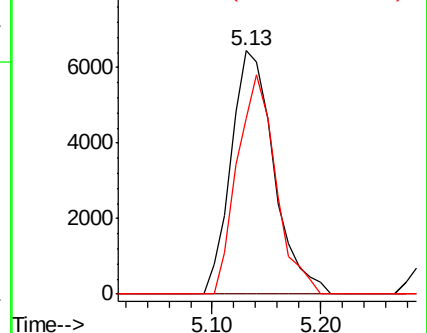
130 72.4 64.8 97.2

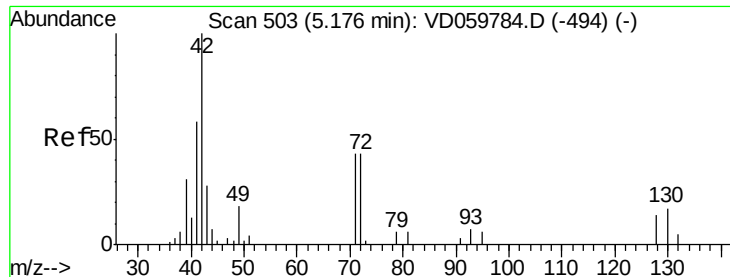


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 59.28 ug/l

RT: 5.18 min Scan# 504

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

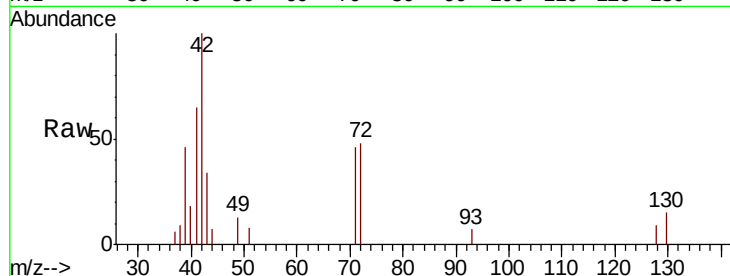
Tot Ion: 42 Resp: 15186

Ion Ratio Lower Upper

42 100

72 38.0 34.3 51.5

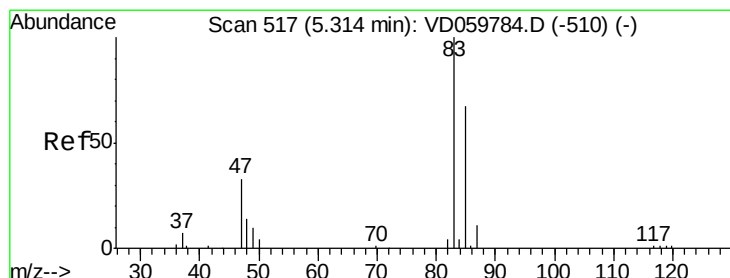
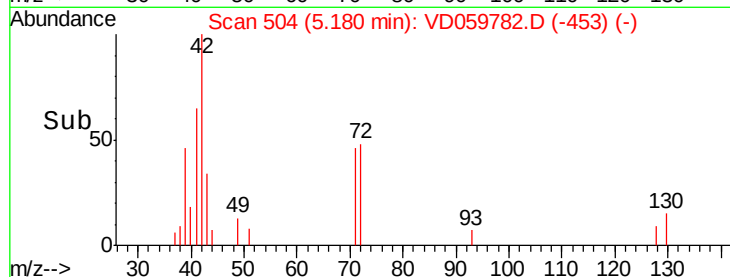
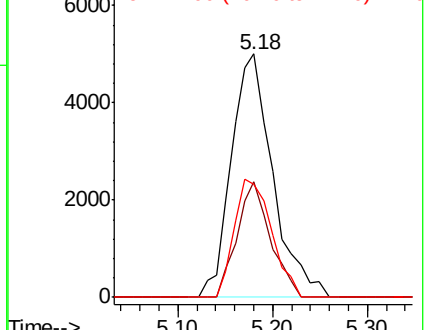
71 43.4 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 9.50 ug/l

RT: 5.31 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD059782.D

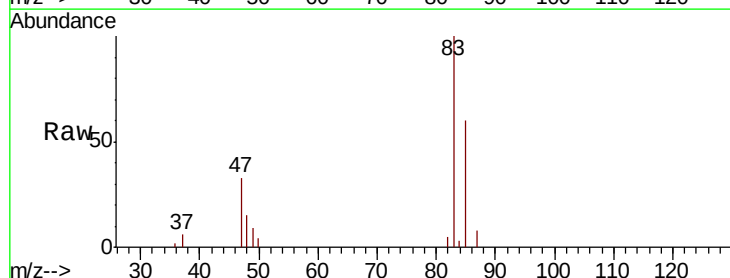
Acq: 14 Aug 2018 23:54

Tgt Ion: 83 Resp: 52016

Ion Ratio Lower Upper

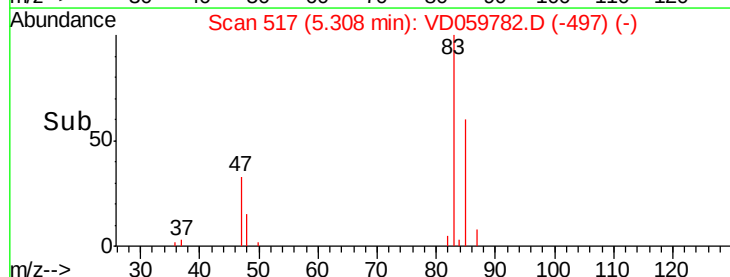
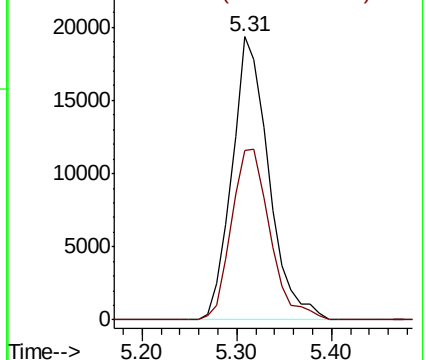
83 100

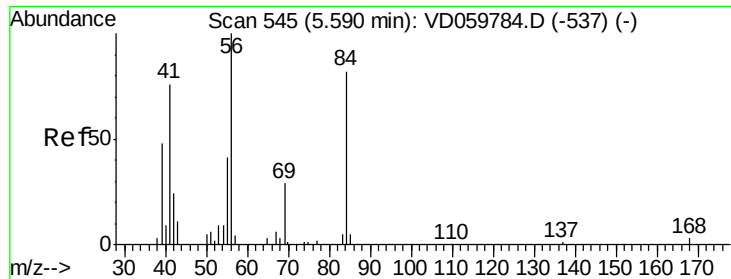
85 59.9 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

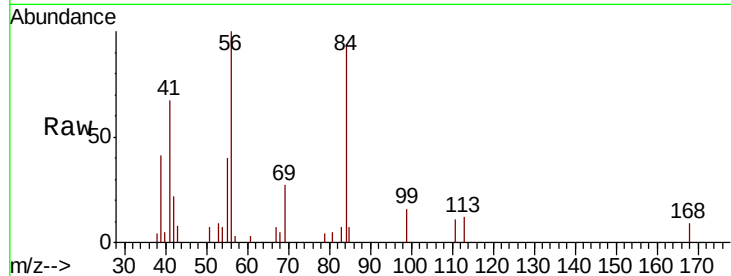




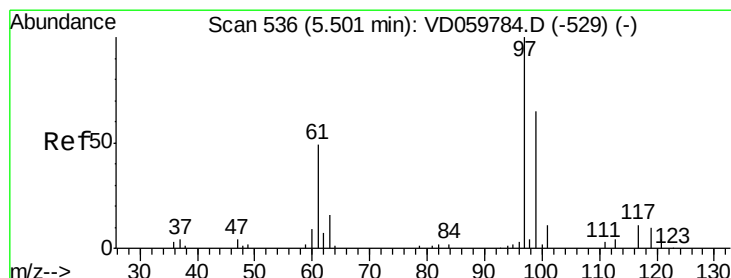
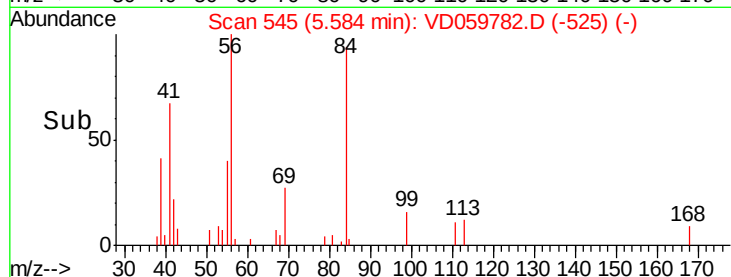
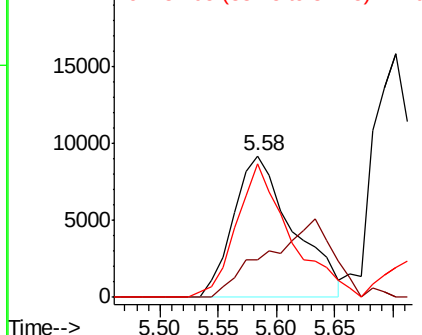
#31
Cyclohexane
Concen: 12.89 ug/l
RT: 5.58 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 56 Resp: 32561
Ion Ratio Lower Upper
56 100
69 26.9 23.4 35.2
84 94.4 65.4 98.2

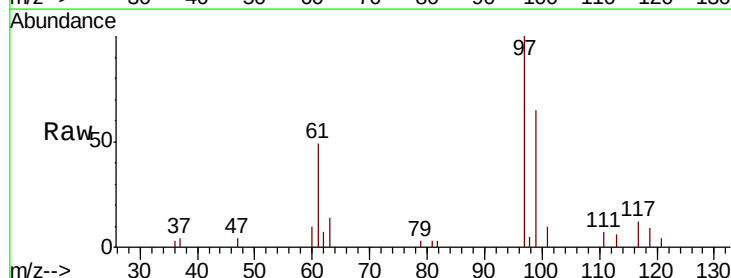


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

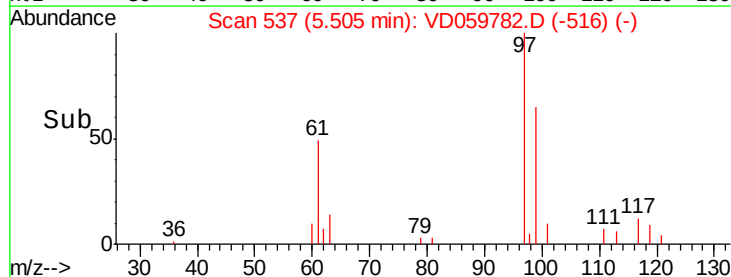
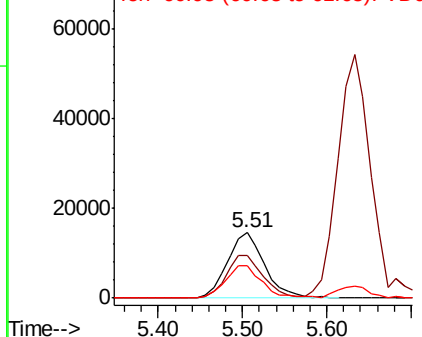


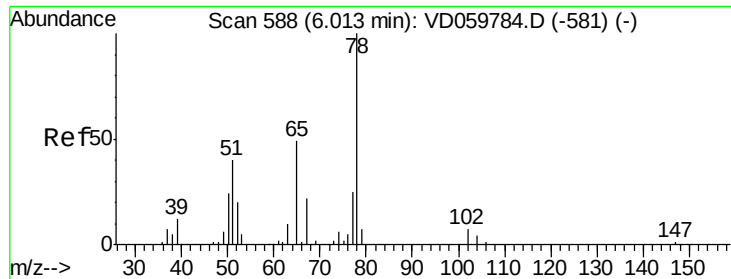
#32
1,1,1-Trichloroethane
Concen: 7.98 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 97 Resp: 44147
Ion Ratio Lower Upper
97 100
99 65.3 52.2 78.2
61 48.6 39.6 59.4



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

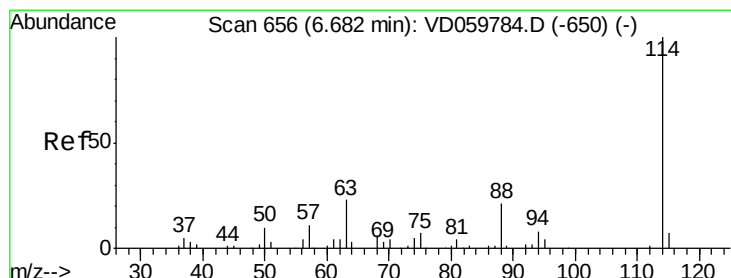
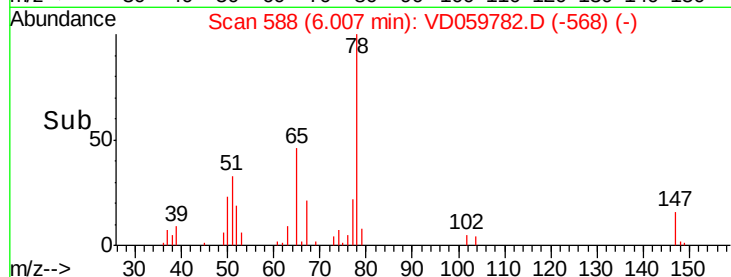
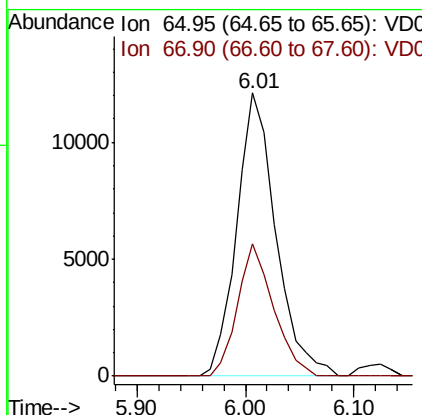
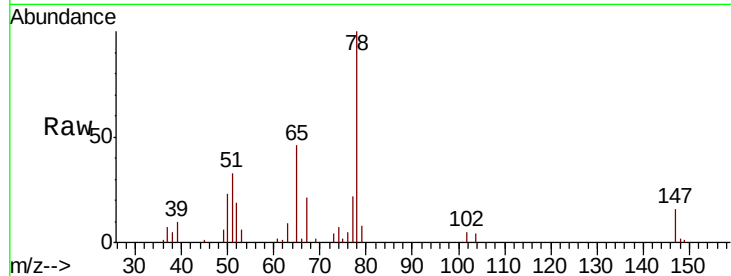




#33
 1,2-Dichloroethane-d4
 Concen: 7.98 ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

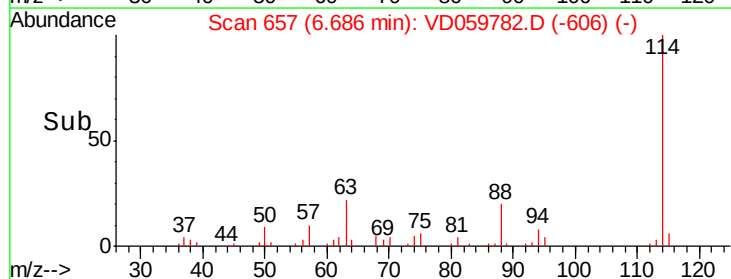
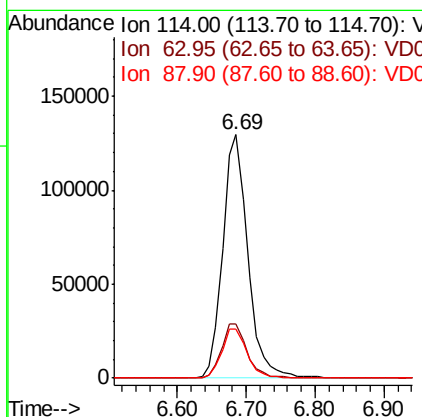
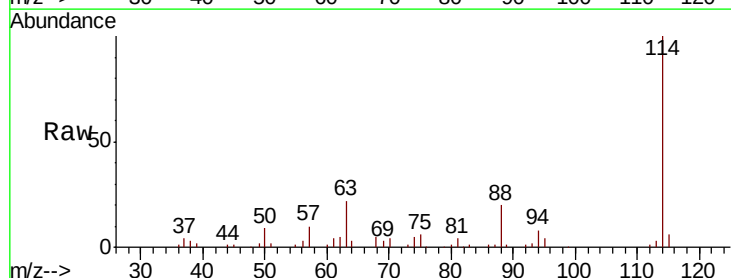
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

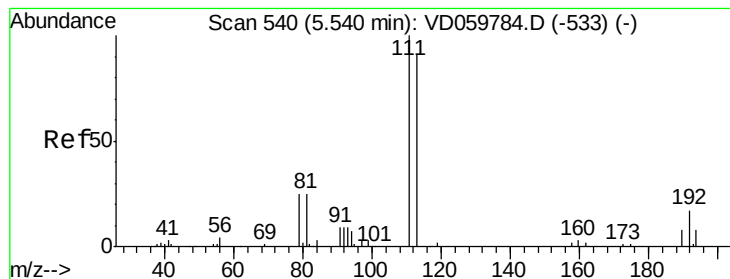
Tot Ion: 65 Resp: 30452
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion: 114 Resp: 326622
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 20.2 0.0 41.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.53 min Scan# 540

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

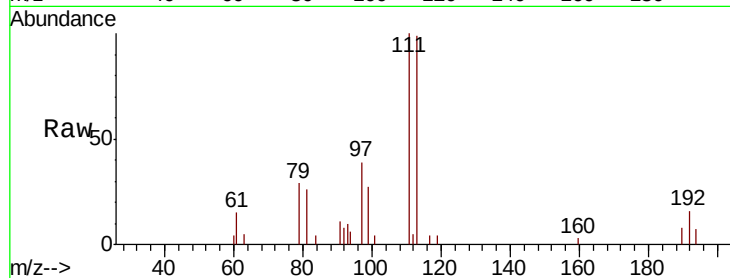
Tot Ion:113 Resp: 28655

Ion Ratio Lower Upper

113 100

111 101.0 87.7 131.5

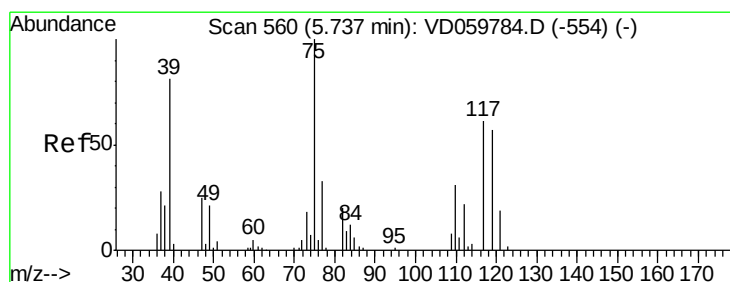
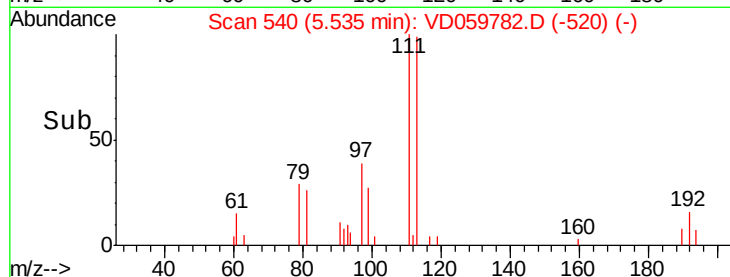
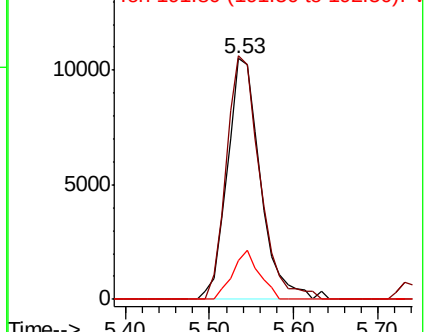
192 16.0 14.6 21.8



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: 8.72 ug/l

RT: 5.73 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

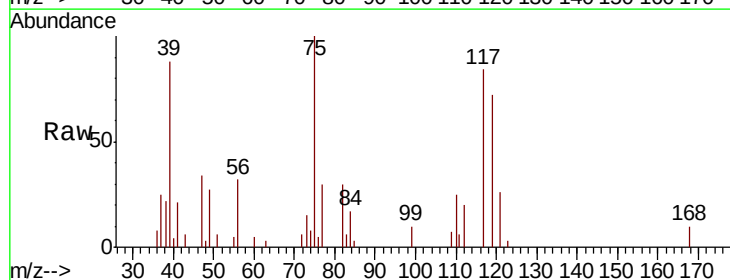
Tgt Ion: 75 Resp: 32100

Ion Ratio Lower Upper

75 100

110 24.7 15.3 45.8

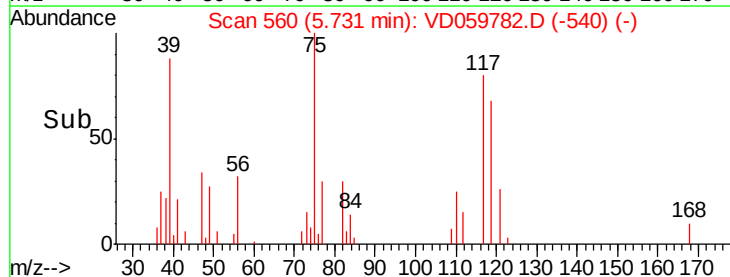
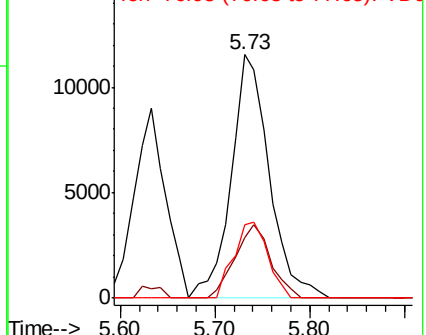
77 30.0 26.2 39.4

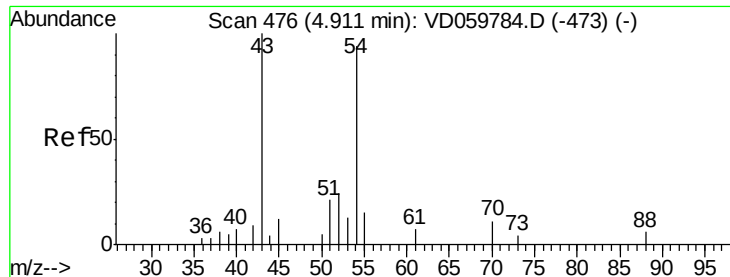


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

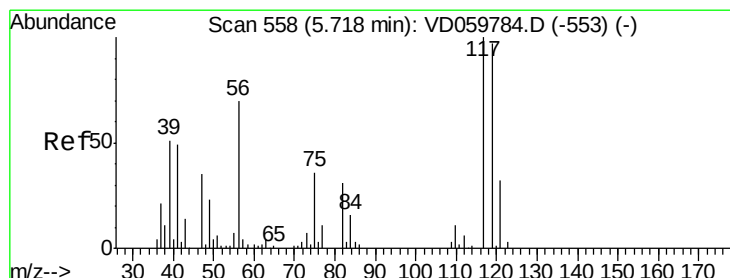
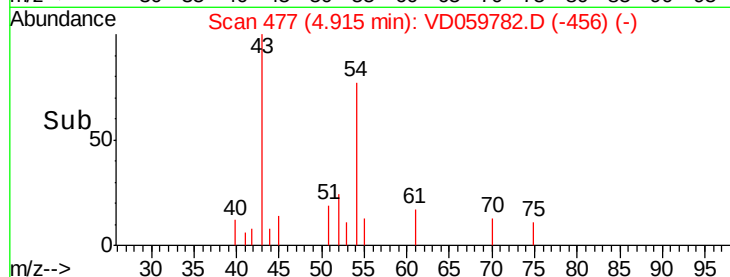
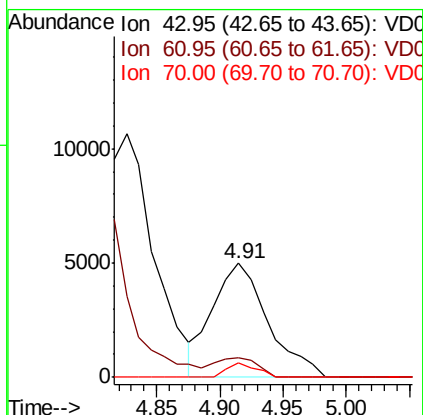
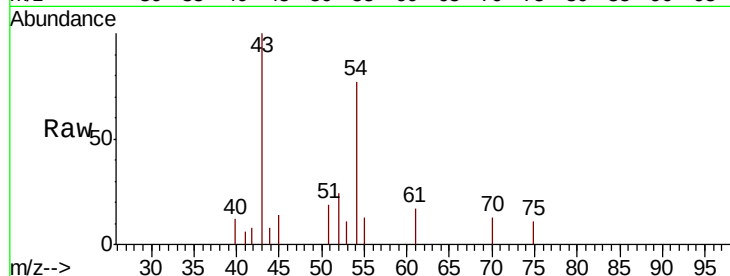




#37
Ethyl Acetate
Concen: 9.28 ug/l
RT: 4.91 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

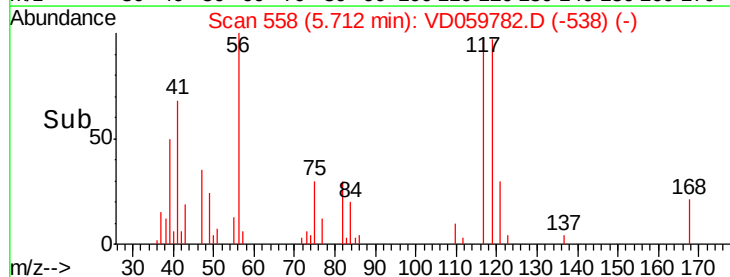
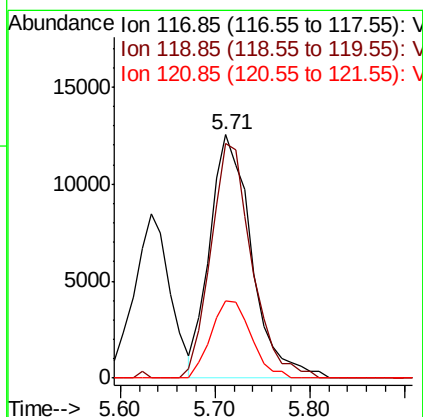
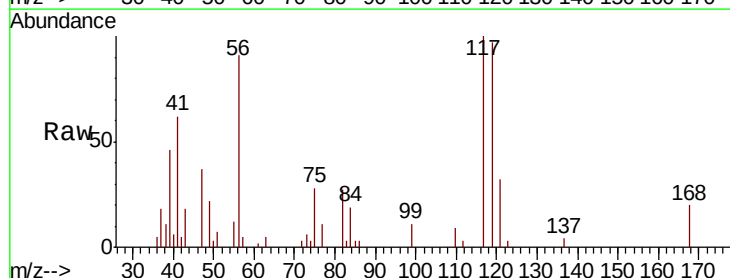
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

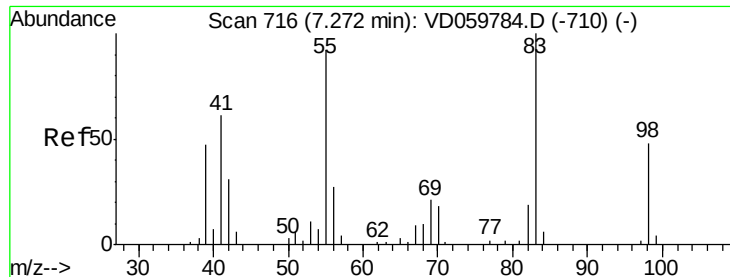
Tot Ion: 43 Resp: 15190
Ion Ratio Lower Upper
43 100
61 16.8 10.2 15.2#
70 12.5 5.8 8.8#



#38
Carbon Tetrachloride
Concen: 6.90 ug/l
RT: 5.71 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 117 Resp: 38627
Ion Ratio Lower Upper
117 100
119 96.6 75.7 113.5
121 31.5 24.7 37.1

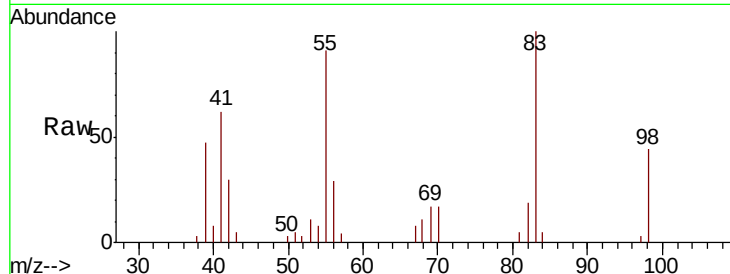




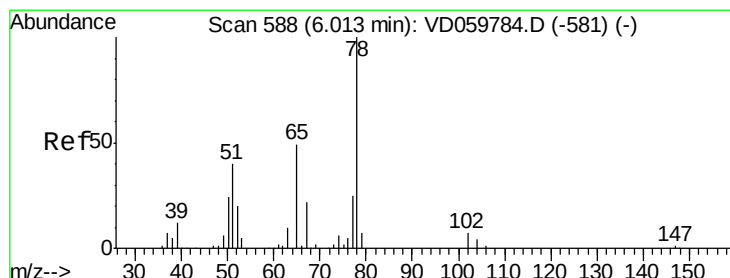
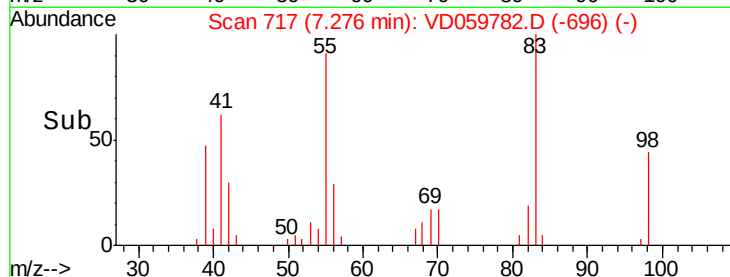
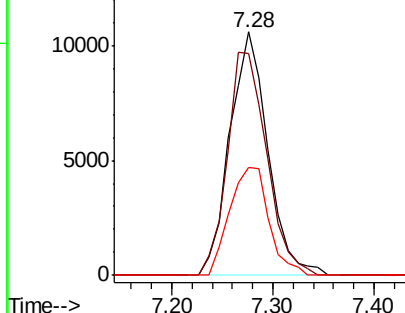
#39
Methylvlcyclohexane
Concen: 9.82 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 83 Resp: 27695
Ion Ratio Lower Upper
83 100
55 91.2 73.8 110.6
98 44.4 38.4 57.6

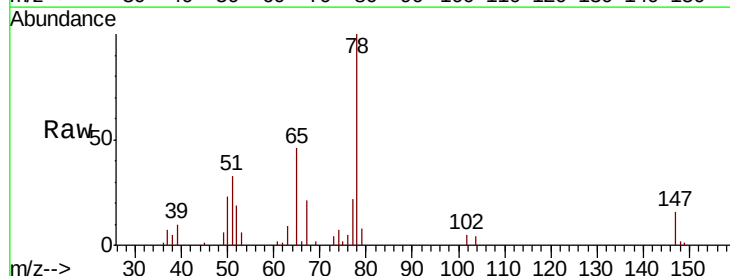


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

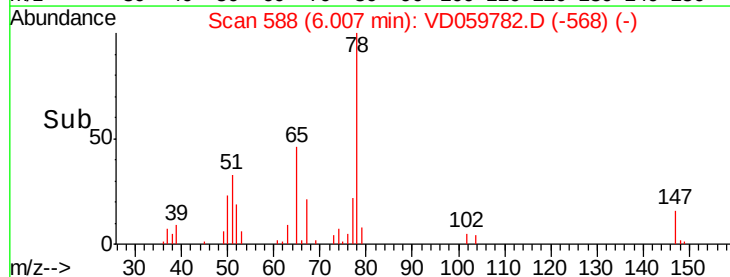
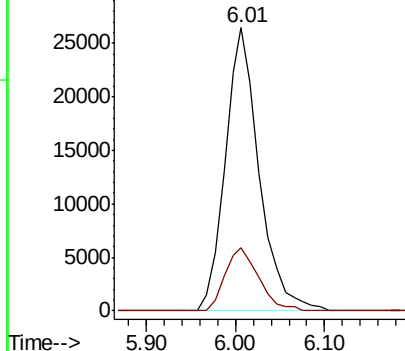


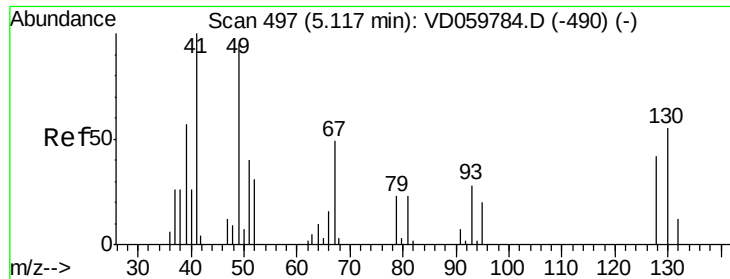
#40
Benzene
Concen: 10.51 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 78 Resp: 70089
Ion Ratio Lower Upper
78 100
77 22.5 19.6 29.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

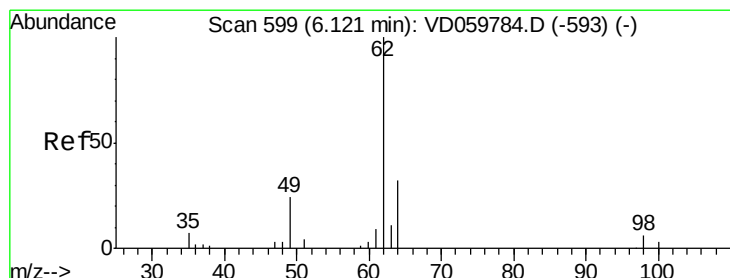
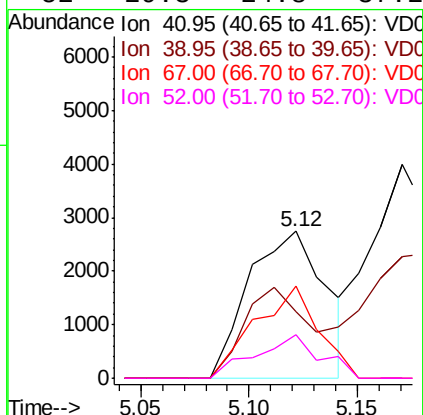
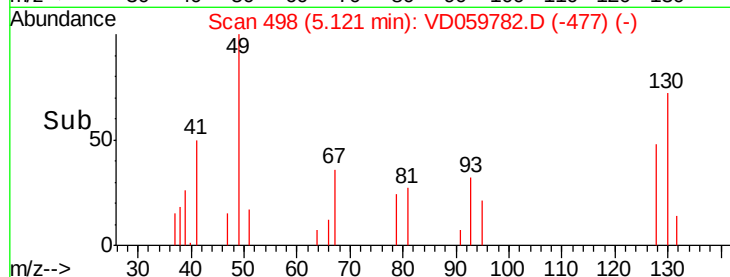
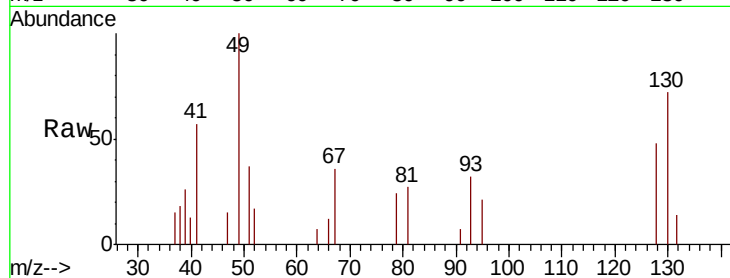




#41
Methacrylonitrile
Concen: 8.56 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

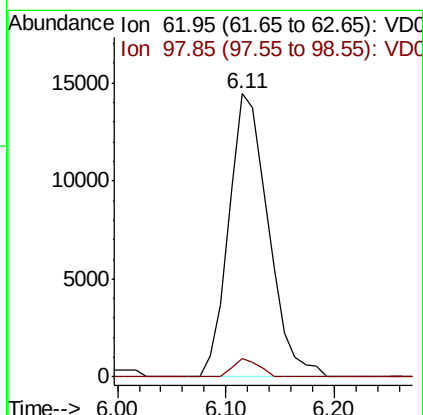
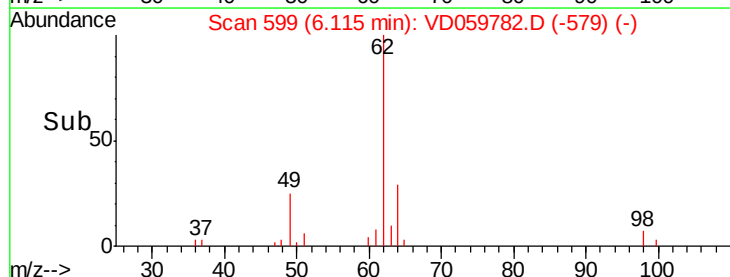
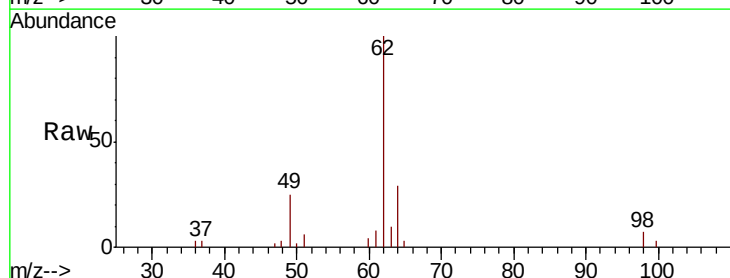
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

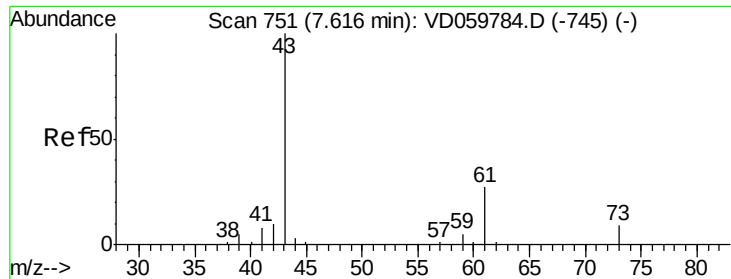
Tot Ion: 41 Resp: 6819
Ion Ratio Lower Upper
41 100
39 45.3 45.4 68.2#
67 63.2 39.5 59.3#
52 29.3 24.8 37.2



#42
1,2-Dichloroethane
Concen: 7.45 ug/l
RT: 6.11 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 62 Resp: 36689
Ion Ratio Lower Upper
62 100
98 6.5 0.0 12.0





#43

Isopropyl Acetate

Concen: 9.34 ug/l

RT: 7.61 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

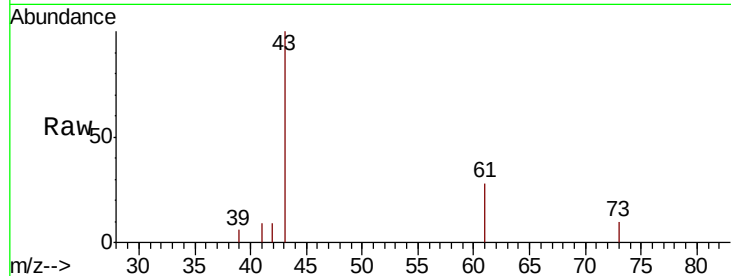
Tot Ion: 43 Resp: 19415

Ion Ratio Lower Upper

43 100

61 28.4 21.2 31.8

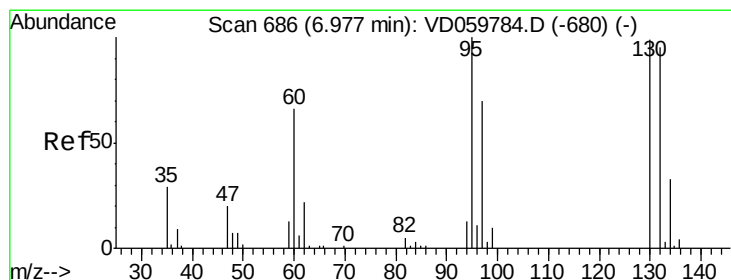
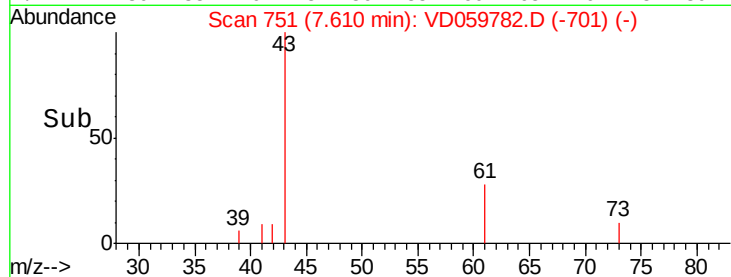
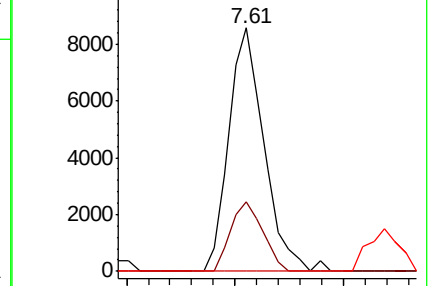
87 0.0 0.0 0.0



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: 9.11 ug/l

RT: 6.97 min Scan# 686

Delta R.T. -0.01 min

Lab File: VD059782.D

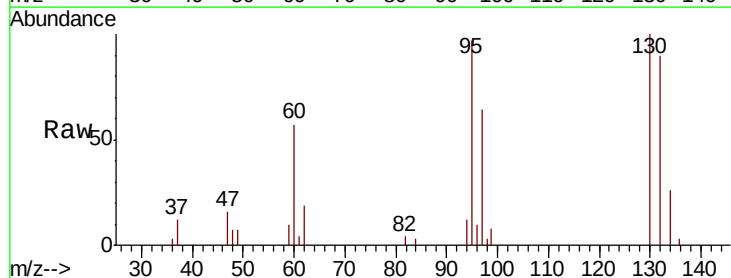
Acq: 14 Aug 2018 23:54

Tgt Ion:130 Resp: 23606

Ion Ratio Lower Upper

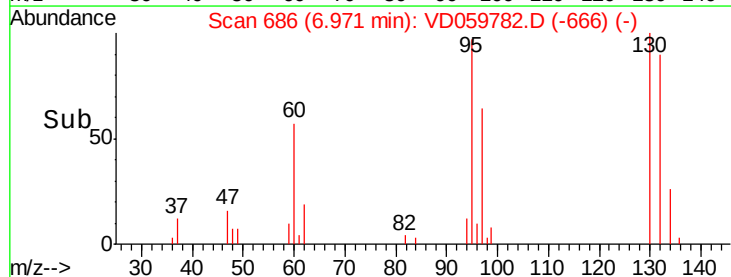
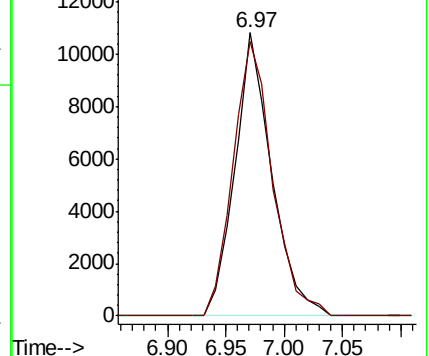
130 100

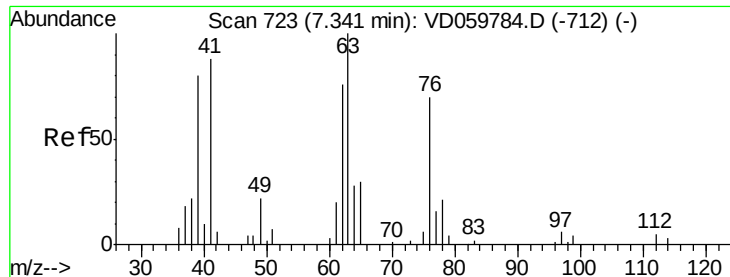
95 96.7 0.0 201.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

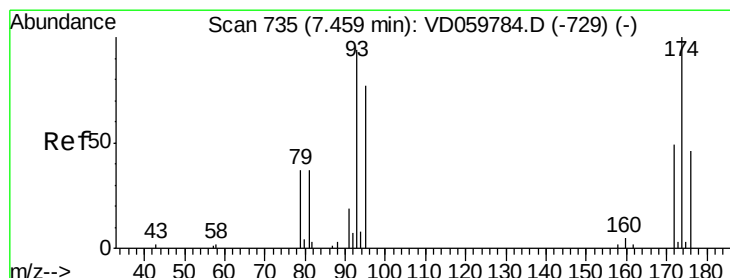
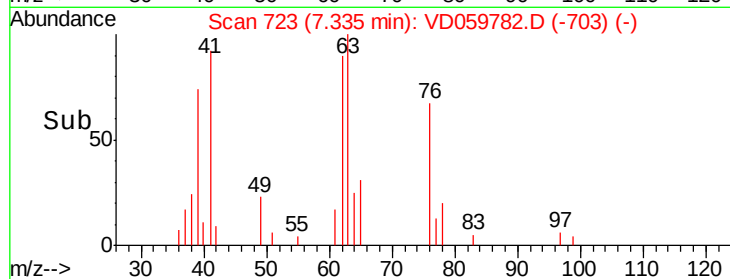
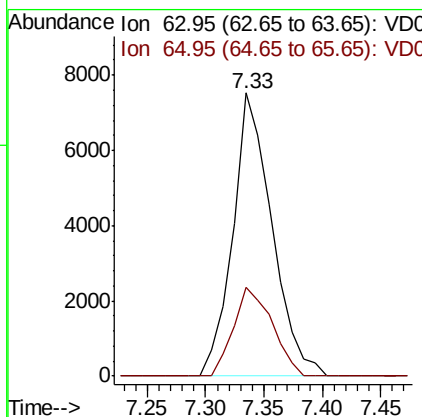
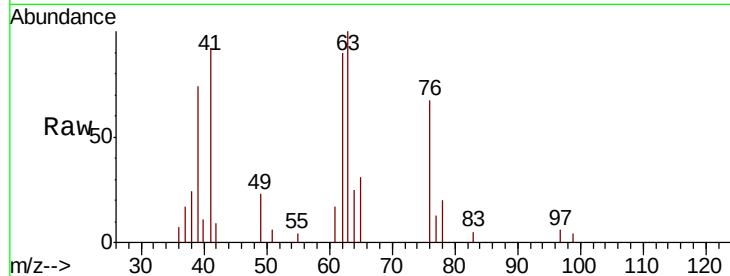




#45
 1,2-Dichloropropane
 Concen: 10.14 ug/l
 RT: 7.33 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

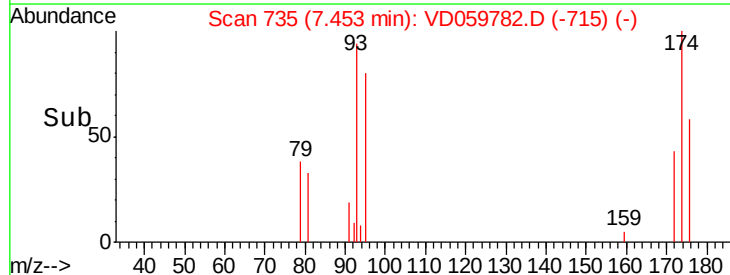
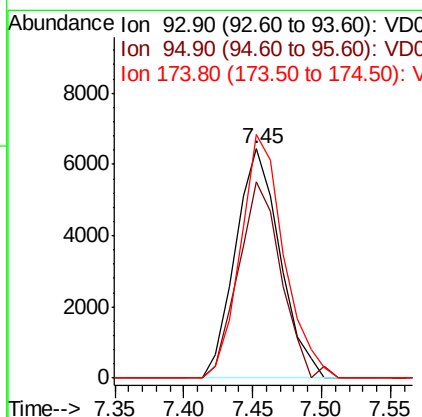
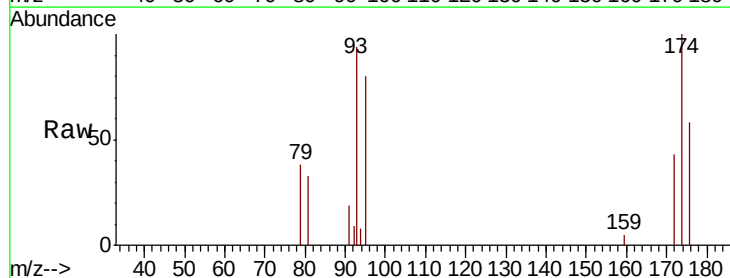
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

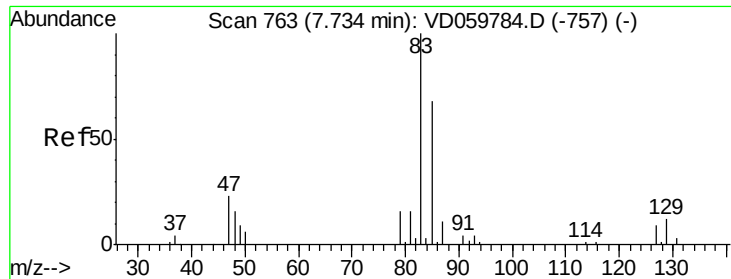
Tot Ion: 63 Resp: 17447
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4



#46
 Dibromomethane
 Concen: 8.46 ug/l
 RT: 7.45 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion: 93 Resp: 14528
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.2 99.4
 174 106.2 85.5 128.3





#47

Bromodichloromethane

Concen: 7.83 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

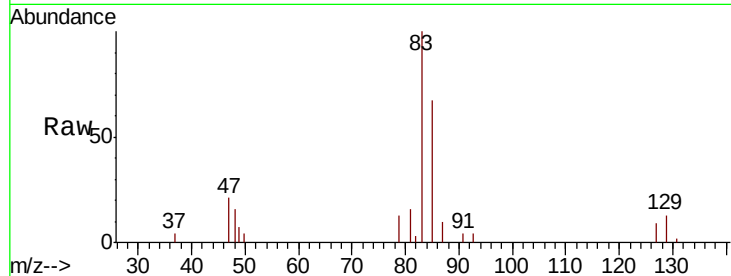
Tot Ion: 83 Resp: 35205

Ion Ratio Lower Upper

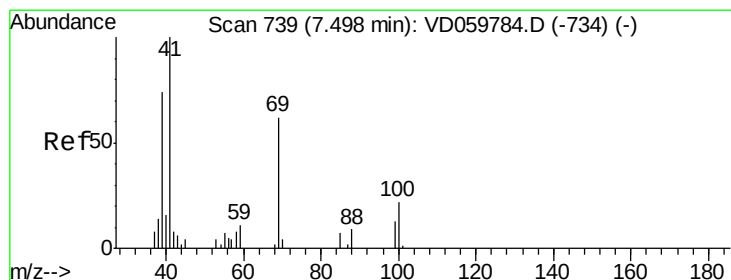
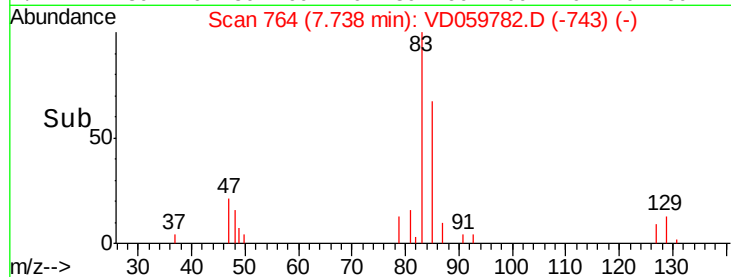
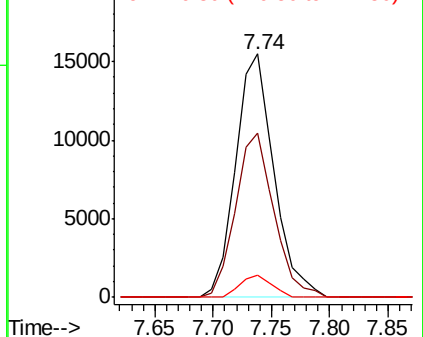
83 100

85 67.2 54.1 81.1

127 8.9 7.5 11.3



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: 8.11 ug/l

RT: 7.49 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

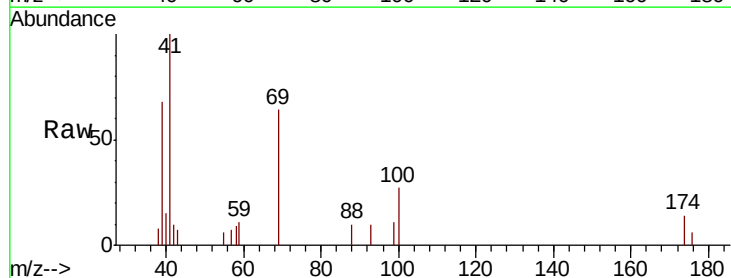
Tgt Ion: 41 Resp: 12106

Ion Ratio Lower Upper

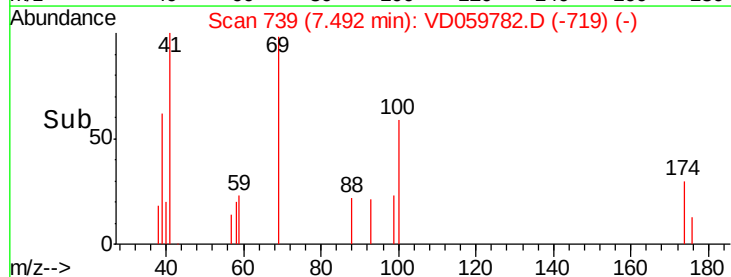
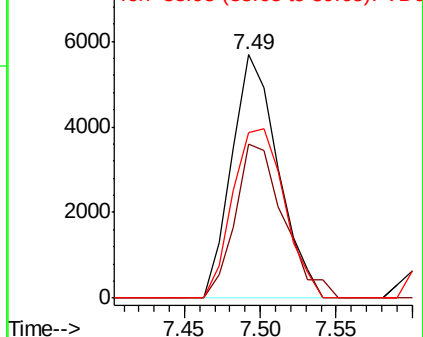
41 100

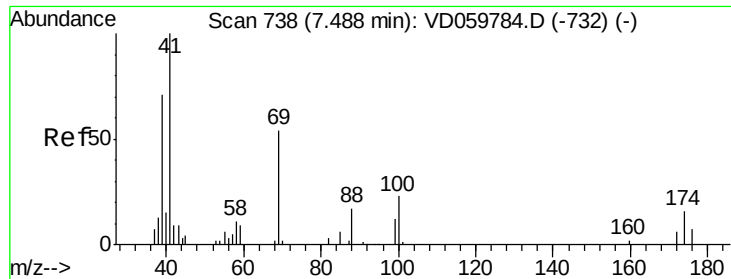
69 63.5 49.8 74.8

39 67.8 59.0 88.4



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

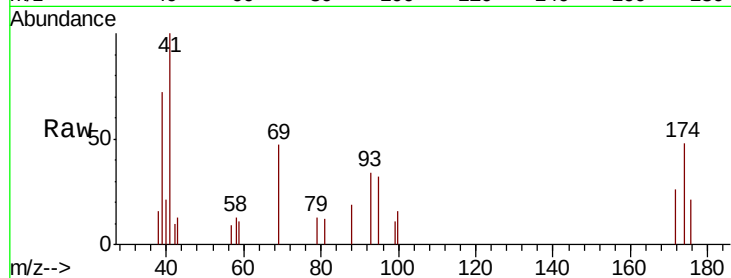




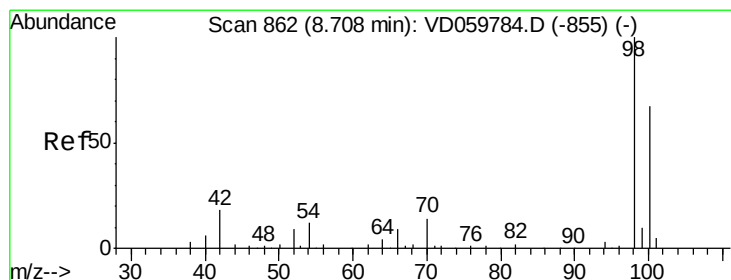
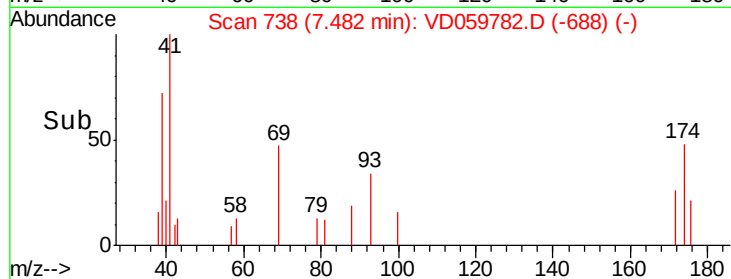
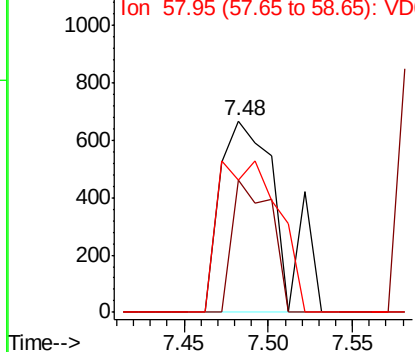
#49
1,4-Dioxane
Concen: 152.68 ug/l
RT: 7.48 min Scan# 738
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 1622
Ion Ratio Lower Upper
88 100
43 68.7 42.0 63.0#
58 69.0 51.4 77.0

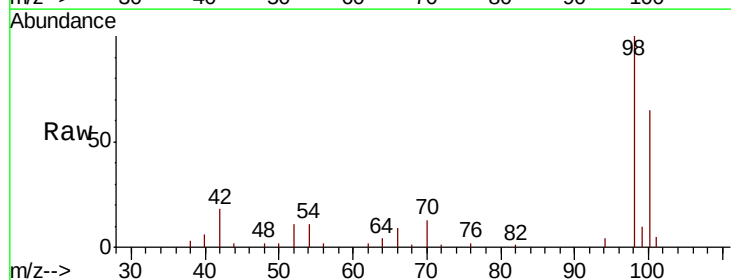


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

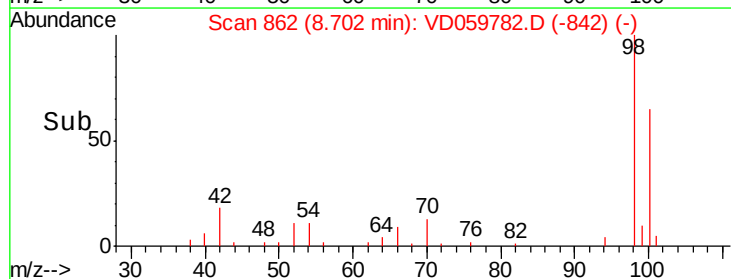
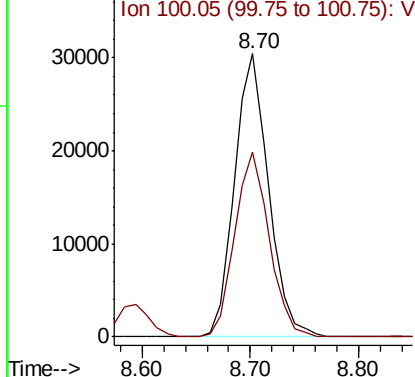


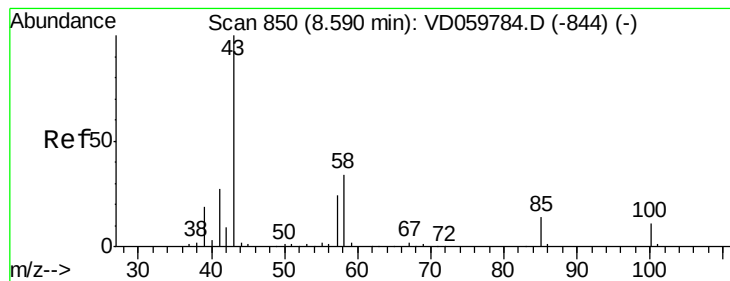
#50
Toluene-d8
Concen: 152.68 ug/l
RT: 8.70 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 98 Resp: 66307
Ion Ratio Lower Upper
98 100
100 65.1 54.2 81.4



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 42.09 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

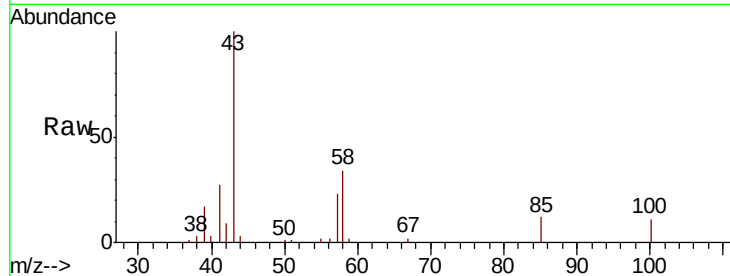
VSTDIC010

Tot Ion: 43 Resp: 67321

Ion Ratio Lower Upper

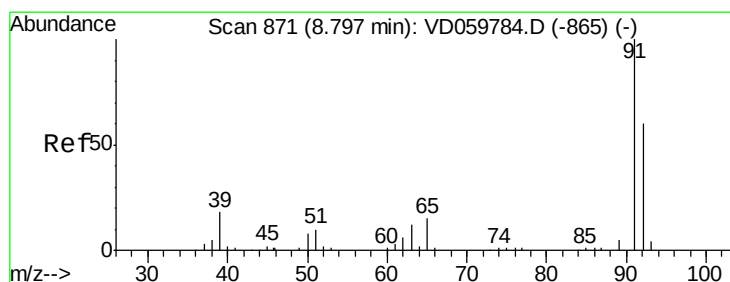
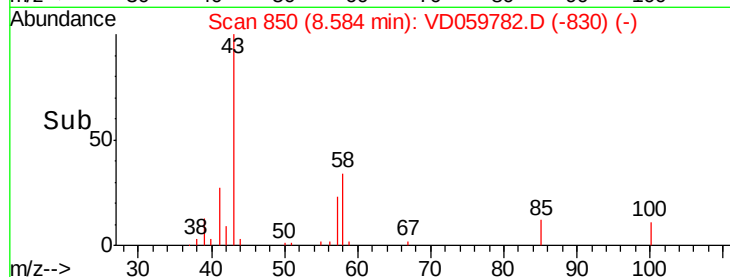
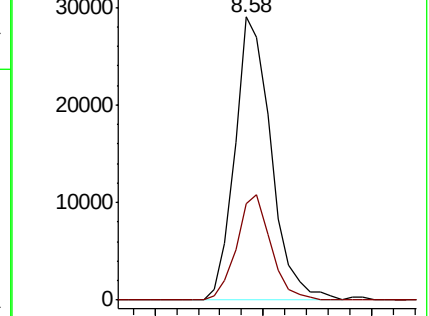
43 100

58 34.2 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.75 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD059782.D

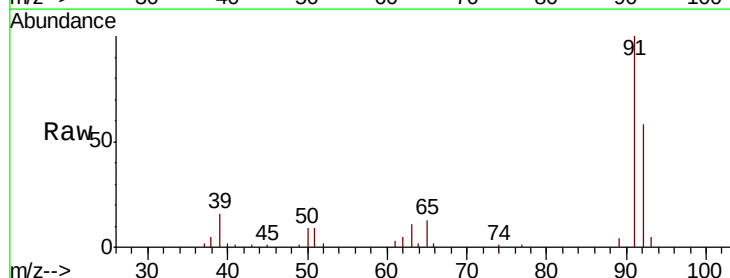
Acq: 14 Aug 2018 23:54

Tgt Ion: 92 Resp: 46182

Ion Ratio Lower Upper

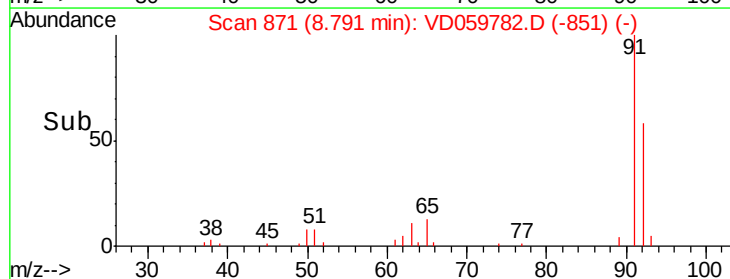
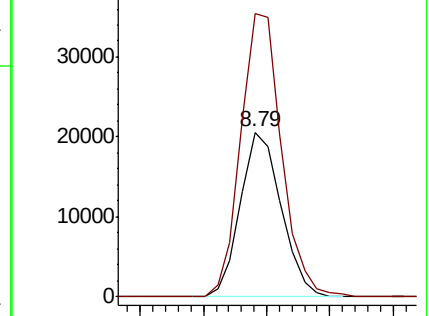
92 100

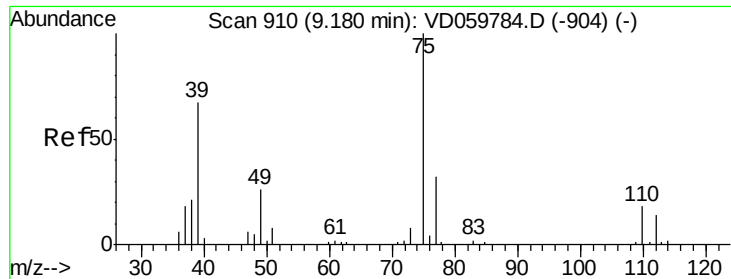
91 171.7 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

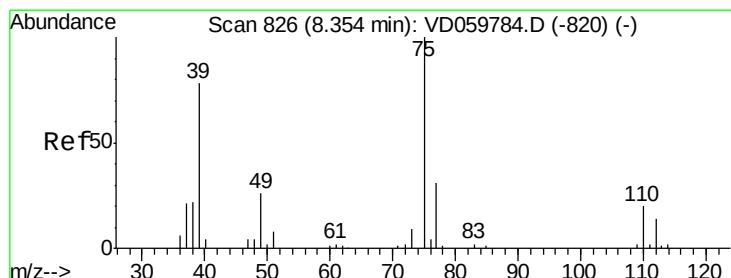
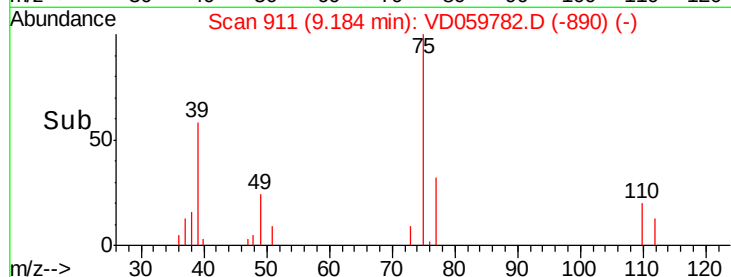
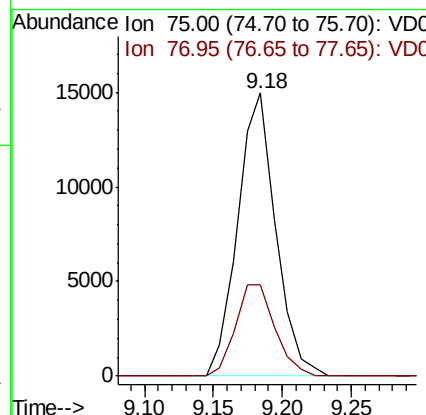
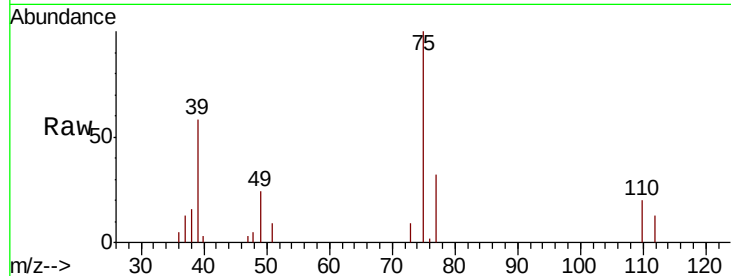




#53
 t-1,3-Dichloropropene
 Concen: 7.90 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

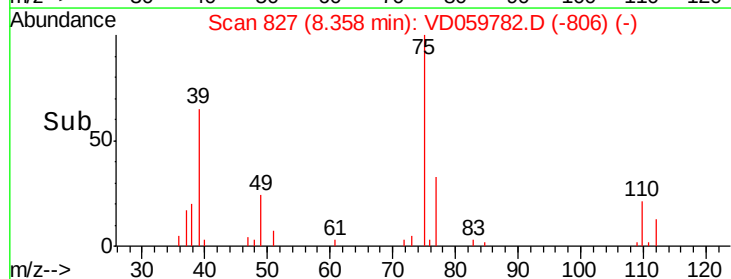
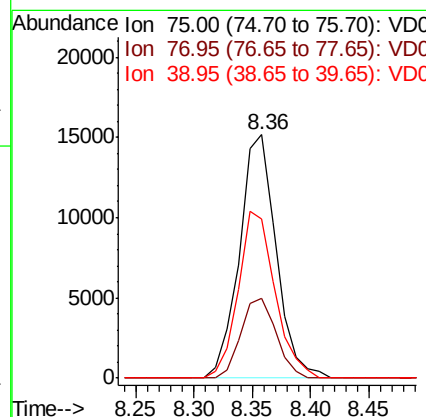
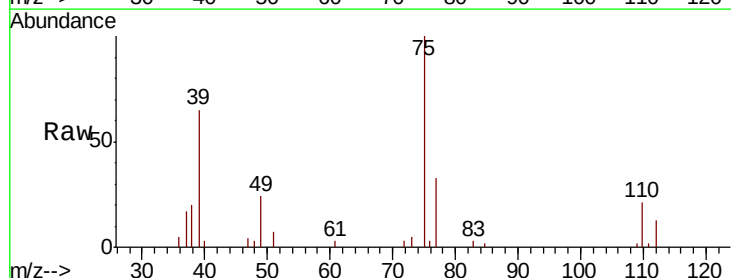
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

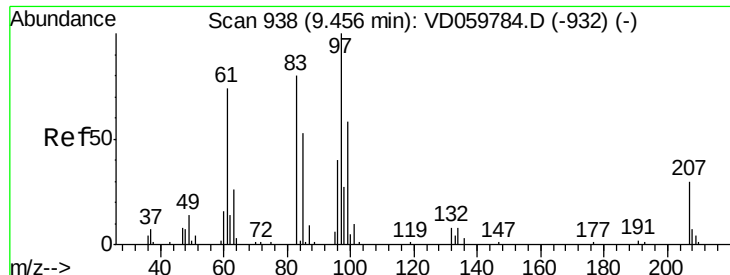
Tot Ion: 75 Resp: 28666
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 9.19 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion: 75 Resp: 33153
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.8 37.2
 39 65.5 62.5 93.7

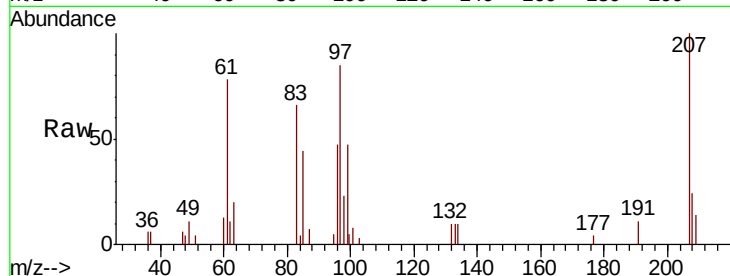




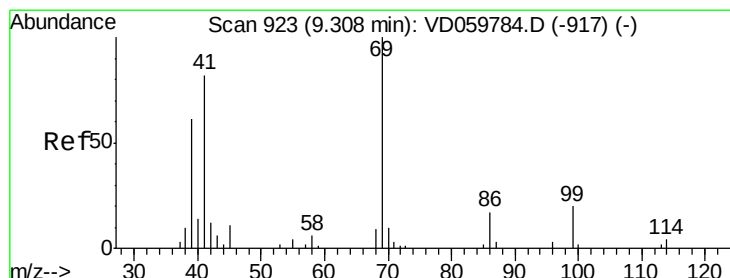
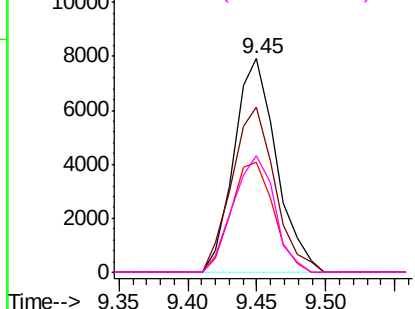
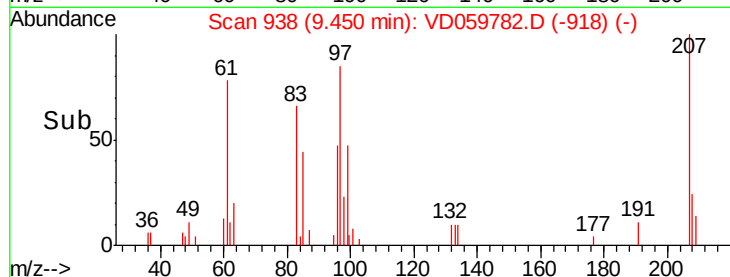
#55
 1,1,2-Trichloroethane
 Concen: 10.17 ug/l
 RT: 9.45 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	16953
Ion	Ratio	Lower	Upper
97	100		
83	77.2	63.8	95.8
85	51.7	42.5	63.7
99	54.7	46.2	69.4

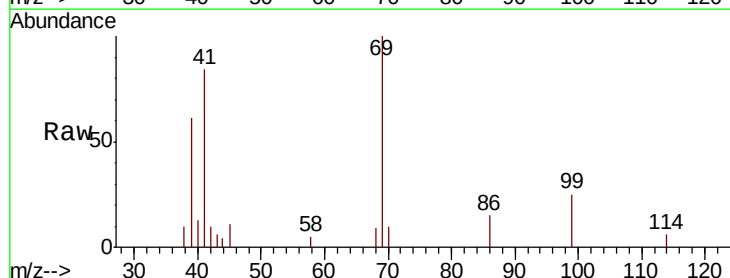


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

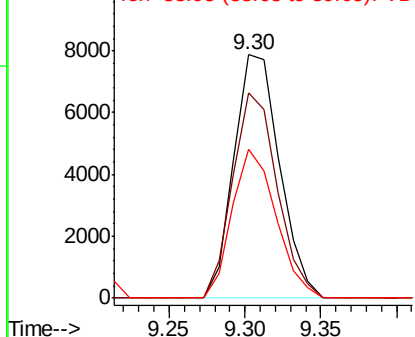
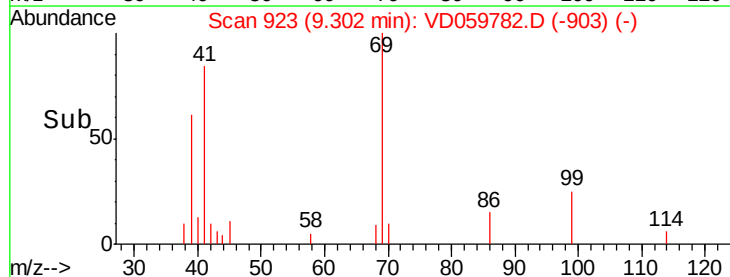


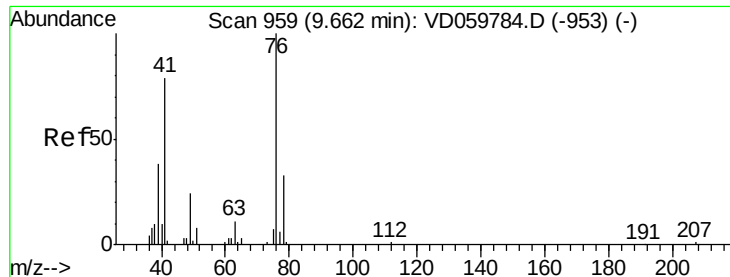
#56
 Ethyl methacrylate
 Concen: 8.71 ug/l
 RT: 9.30 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion:	69	Resp:	16552
Ion	Ratio	Lower	Upper
69	100		
41	84.4	65.8	98.8
39	60.9	49.7	74.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 9.60 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

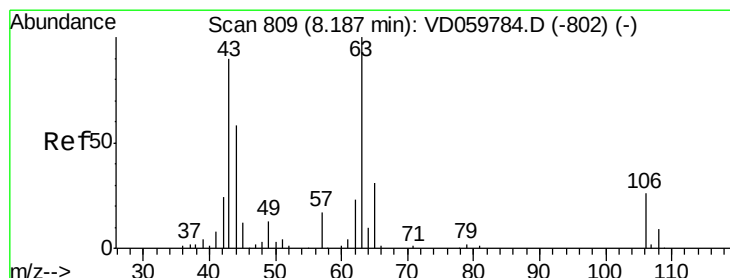
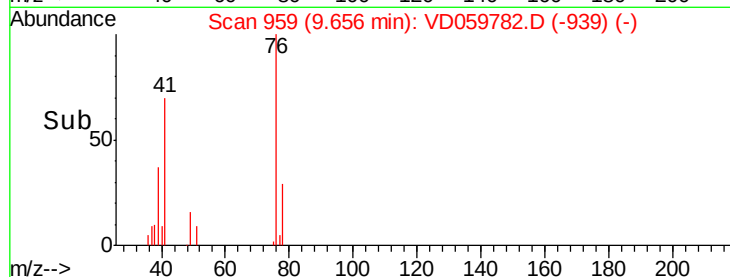
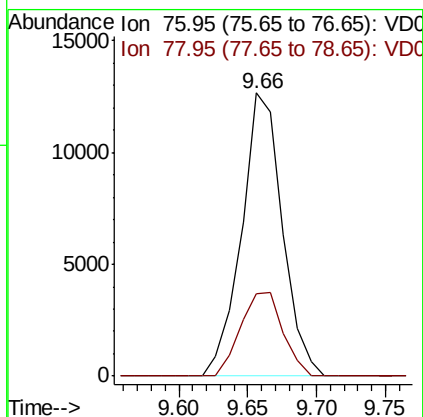
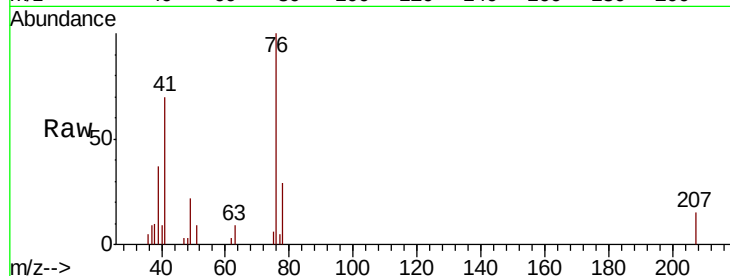
VSTDIC010

Tot Ion: 76 Resp: 26186

Ion Ratio Lower Upper

76 100

78 29.0 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 53.00 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD059782.D

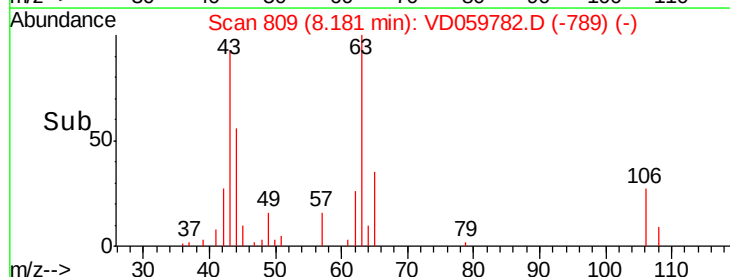
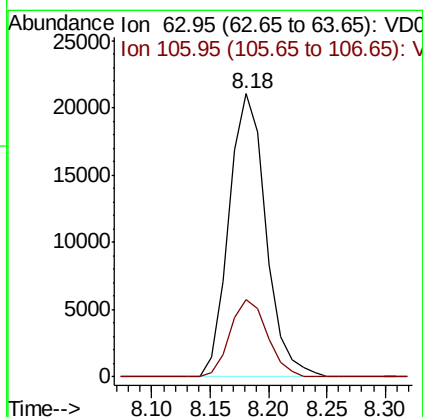
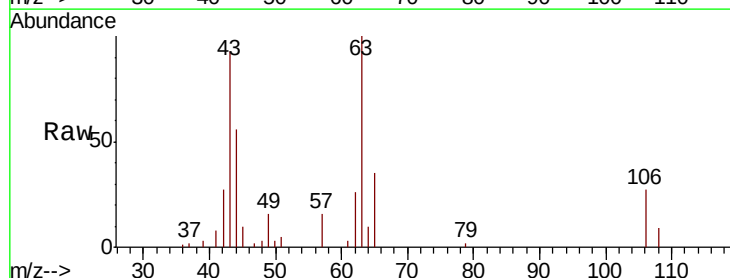
Acq: 14 Aug 2018 23:54

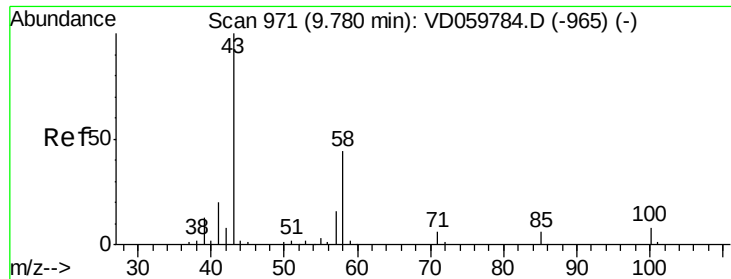
Tgt Ion: 63 Resp: 46229

Ion Ratio Lower Upper

63 100

106 27.2 21.1 31.7

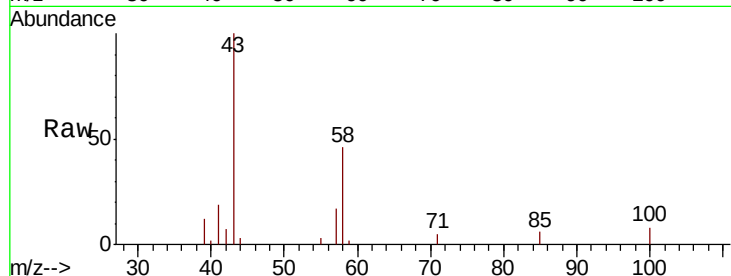




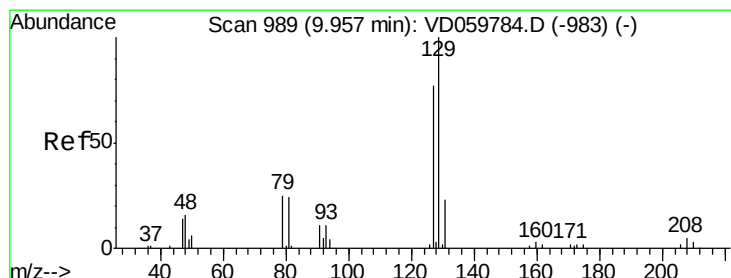
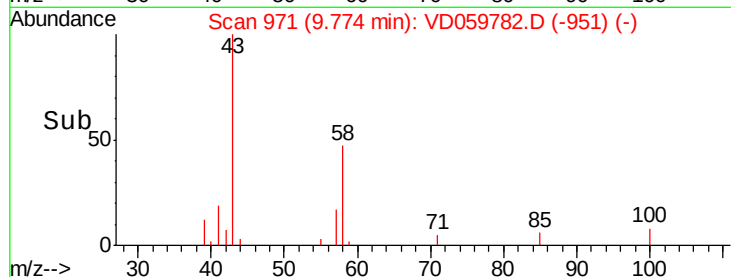
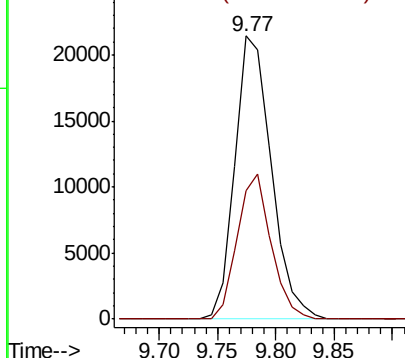
#59
2-Hexanone
Concen: 39.45 ug/l
RT: 9.77 min Scan# 971
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 46459
Ion Ratio Lower Upper
43 100
58 45.6 22.3 66.8

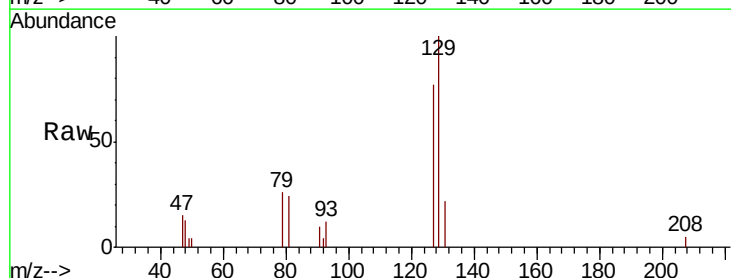


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

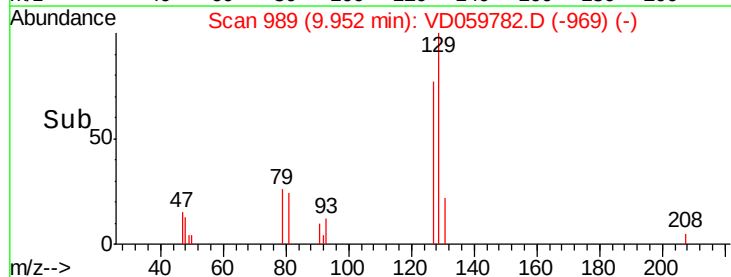
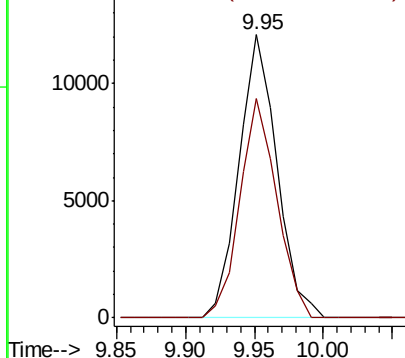


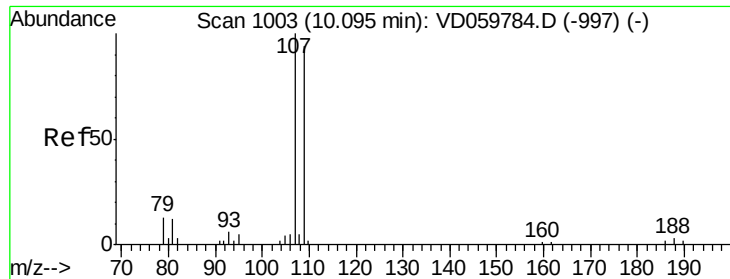
#60
Dibromochloromethane
Concen: 7.54 ug/l
RT: 9.95 min Scan# 989
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 129 Resp: 23152
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 8.80 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

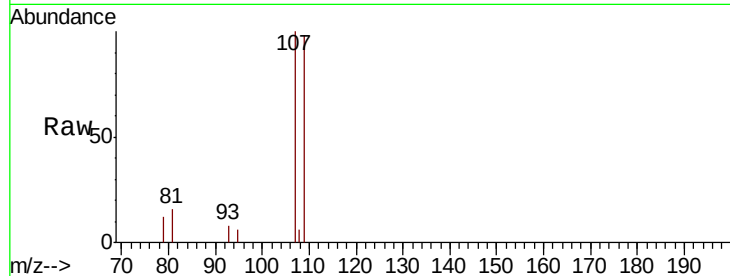
VSTDIC010

Tot Ion:107 Resp: 17854

Ion Ratio Lower Upper

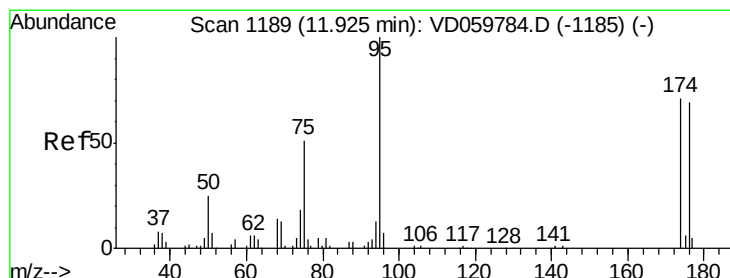
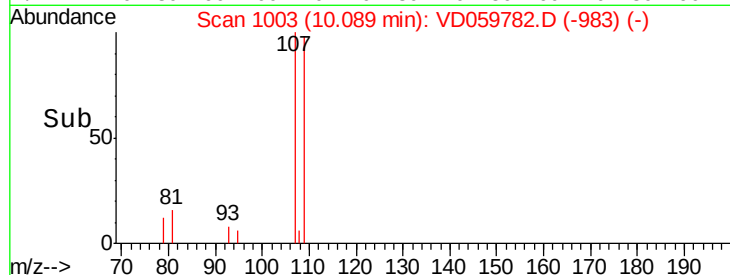
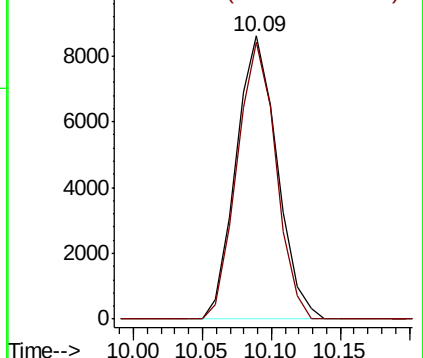
107 100

109 98.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 8.80 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

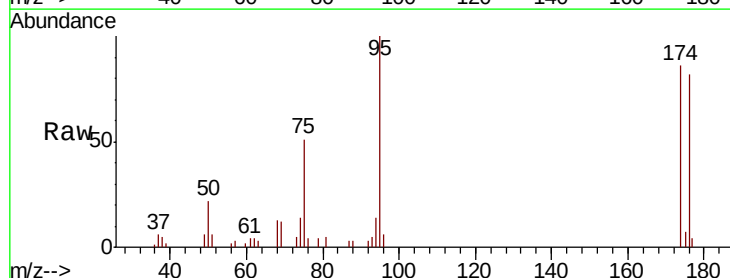
Tgt Ion: 95 Resp: 29846

Ion Ratio Lower Upper

95 100

174 85.8 0.0 142.2

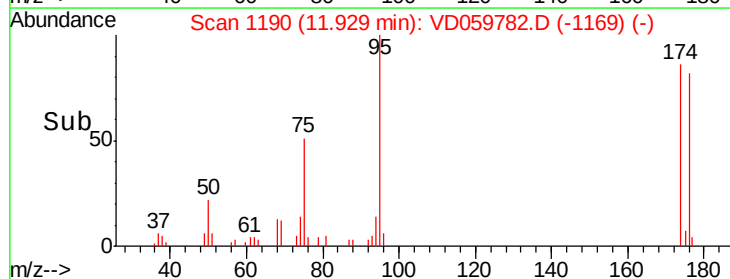
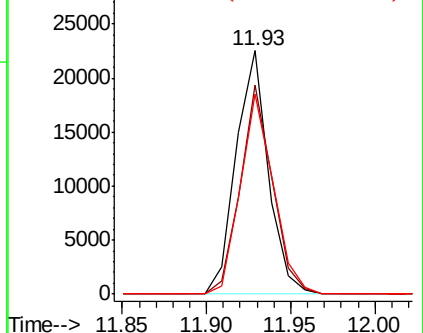
176 82.1 0.0 137.4

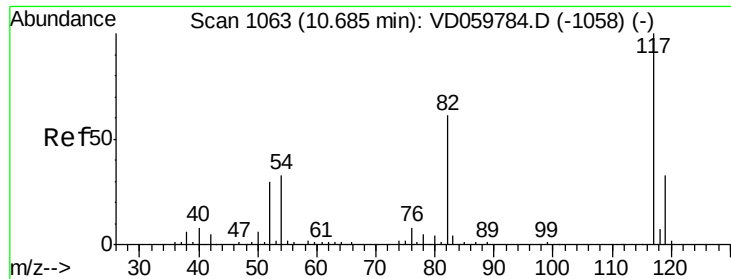


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

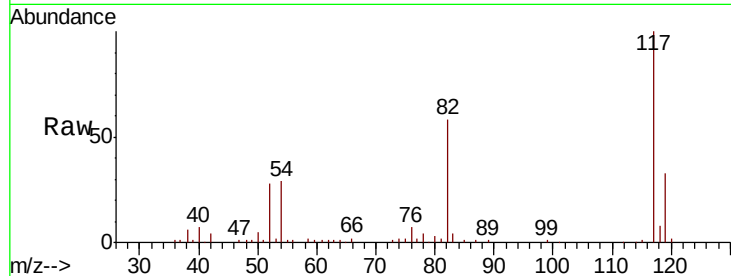




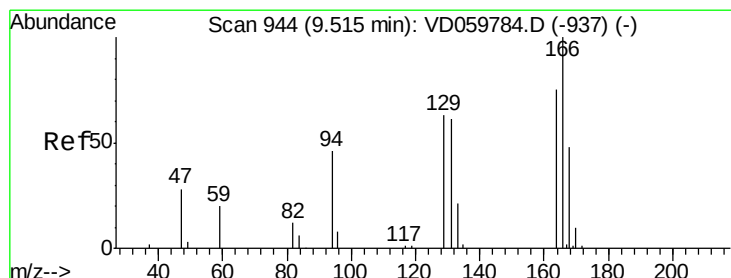
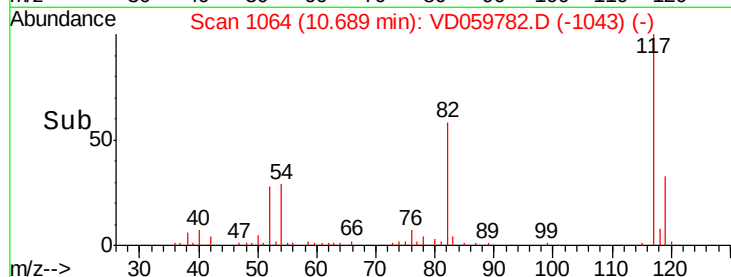
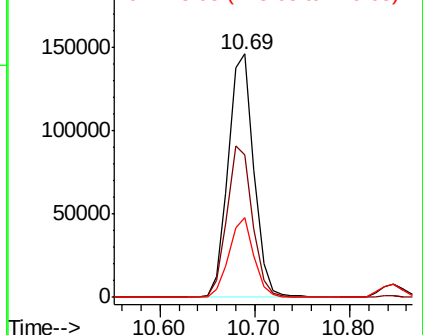
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 275239
Ion Ratio Lower Upper
117 100
82 58.3 49.0 73.6
119 32.5 26.2 39.2

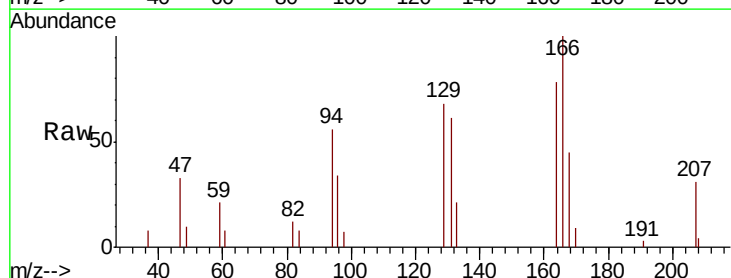


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

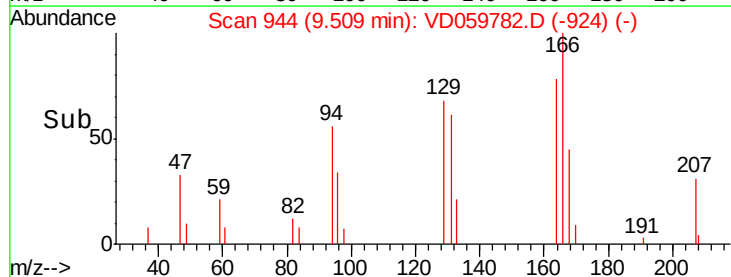
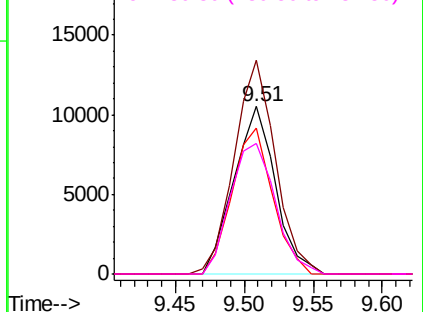


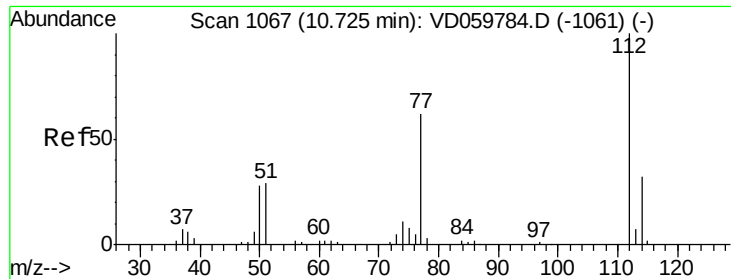
#64
Tetrachloroethene
Concen: 8.38 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion:164 Resp: 22055
Ion Ratio Lower Upper
164 100
166 127.8 106.8 160.2
129 87.2 67.2 100.8
131 78.4 64.7 97.1



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

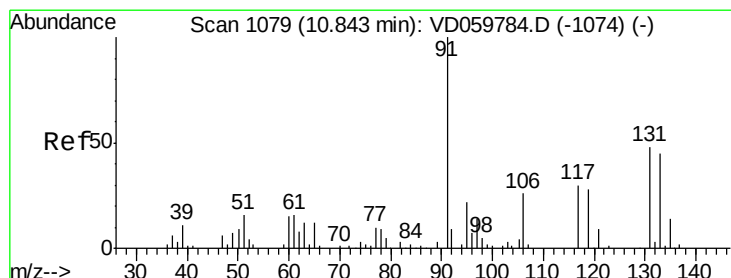
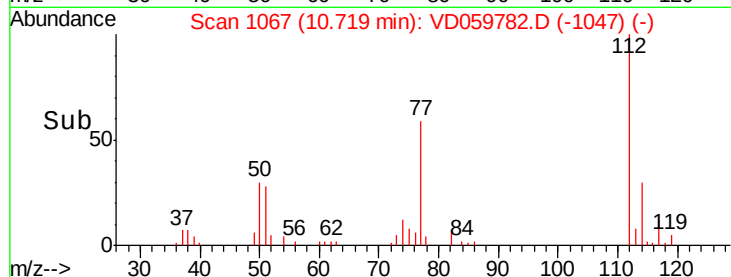
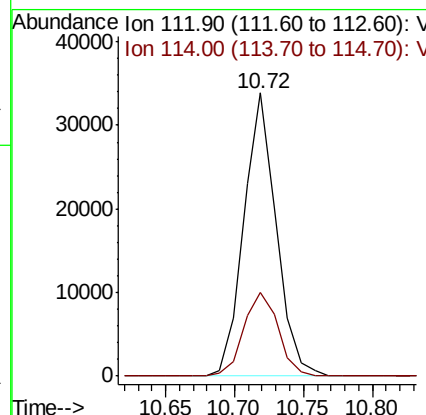
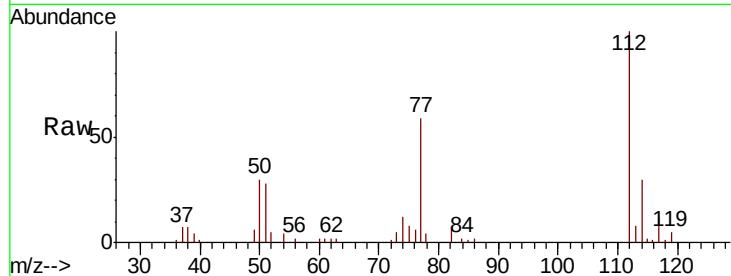




#65
Chlorobenzene
Concen: 9.96 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

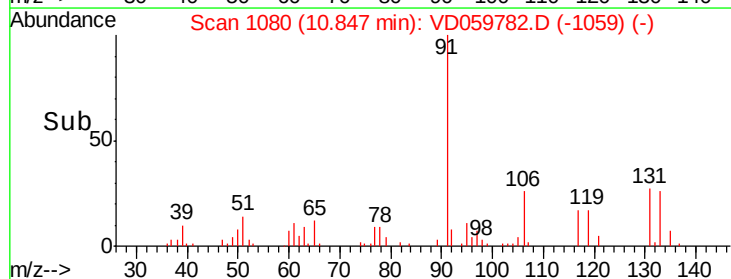
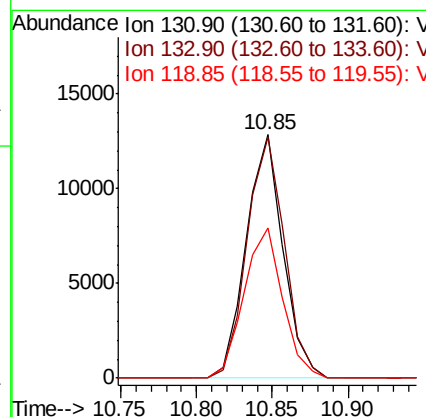
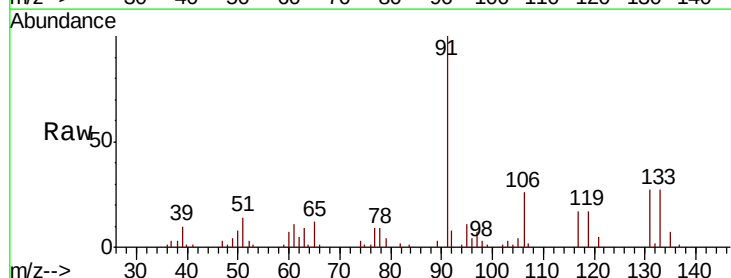
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

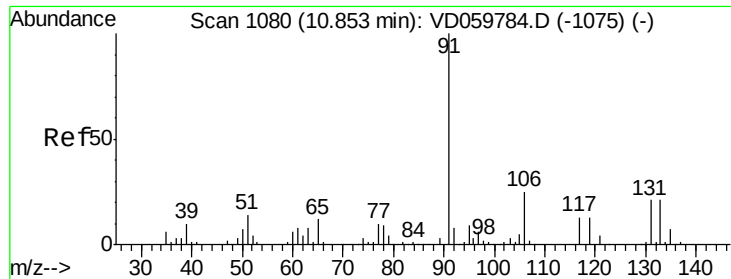
Tot Ion:112 Resp: 55447
Ion Ratio Lower Upper
112 100
114 29.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 7.98 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion:131 Resp: 21715
Ion Ratio Lower Upper
131 100
133 99.0 47.0 141.0
119 61.5 29.0 87.1

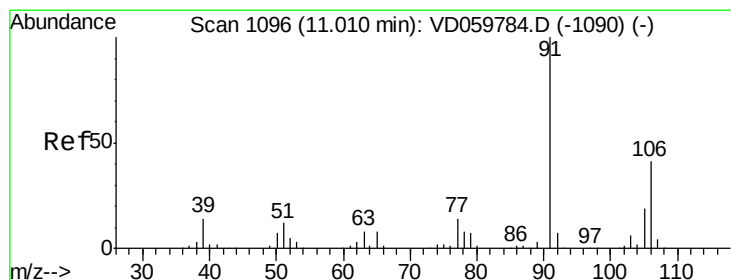
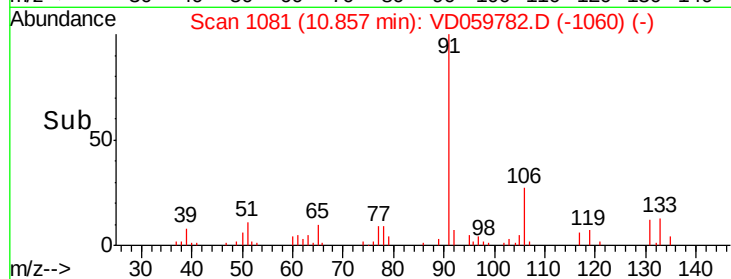
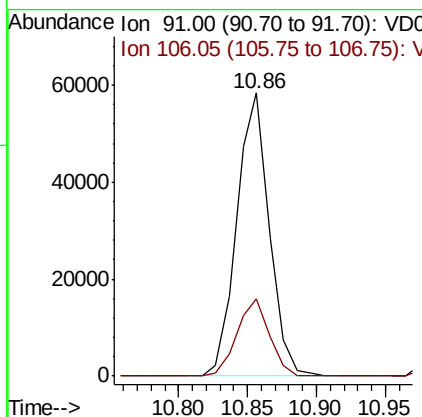
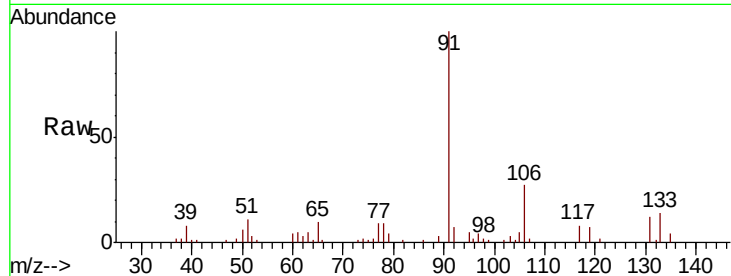




#67
Ethyl Benzene
Concen: 9.29 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

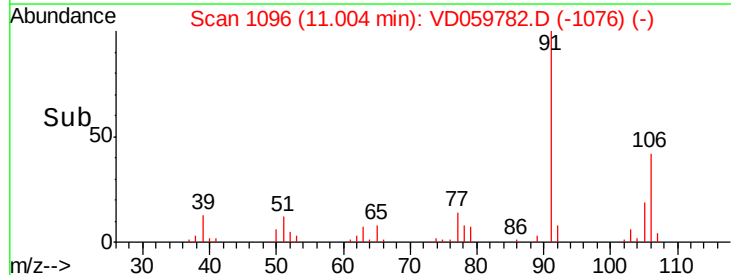
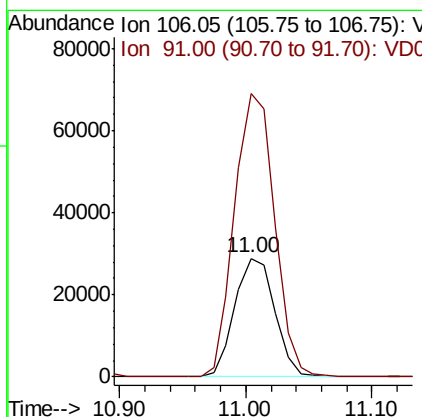
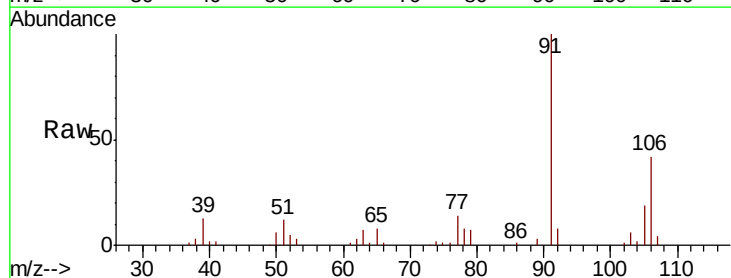
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

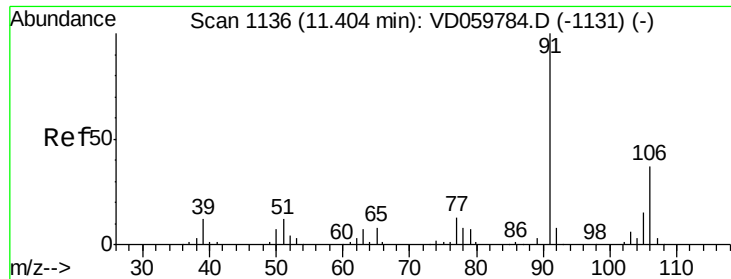
Tot Ion: 91 Resp: 95626
Ion Ratio Lower Upper
91 100
106 27.5 20.1 30.1



#68
m/p-Xylenes
Concen: 18.76 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 106 Resp: 63245
Ion Ratio Lower Upper
106 100
91 239.3 197.4 296.0

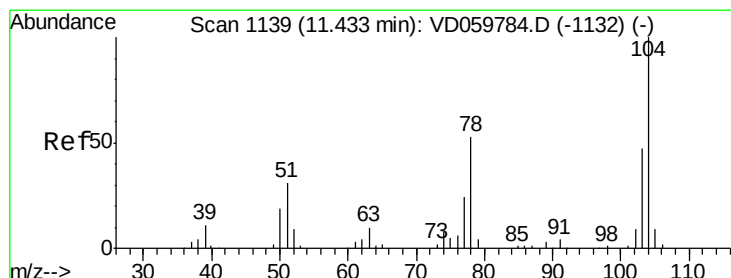
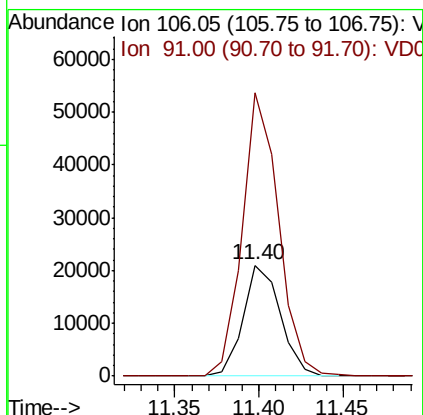
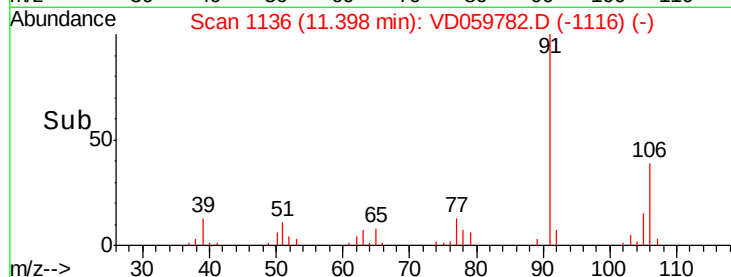
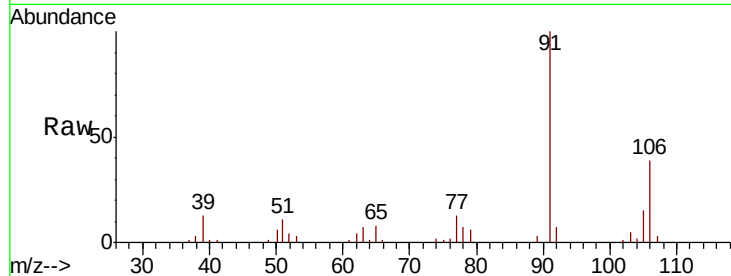




#69
o-Xylene
Concen: 9.90 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

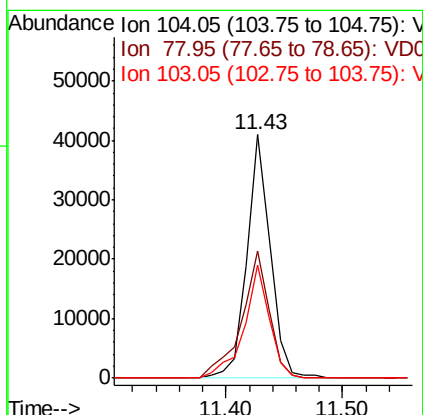
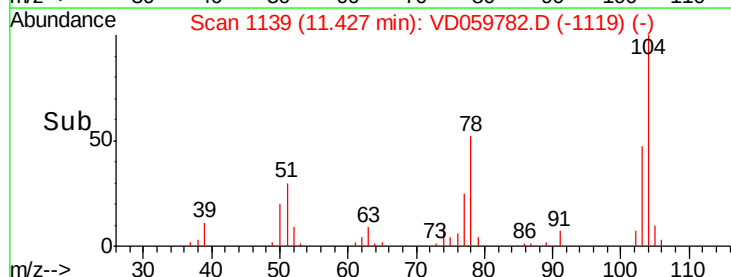
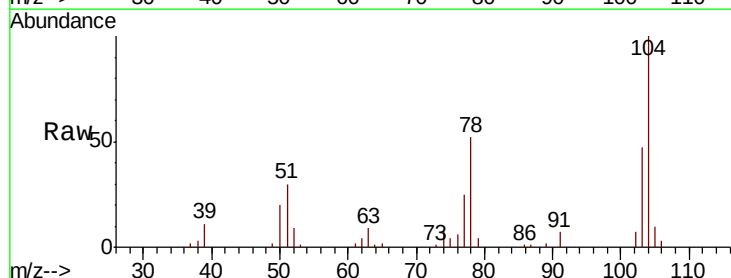
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

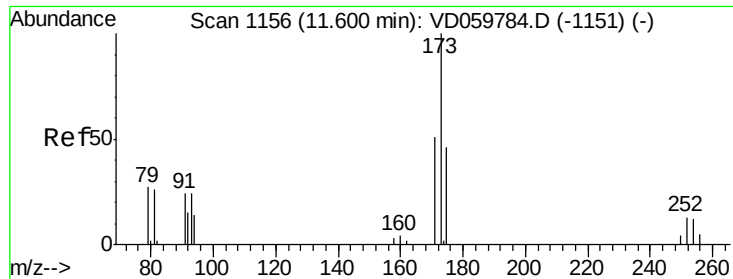
Tot Ion:106 Resp: 32254
Ion Ratio Lower Upper
106 100
91 254.5 133.7 401.1



#70
Styrene
Concen: 10.57 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion:104 Resp: 57063
Ion Ratio Lower Upper
104 100
78 52.2 42.6 64.0
103 46.5 37.8 56.6





#71

Bromoform

Concen: 7.01 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

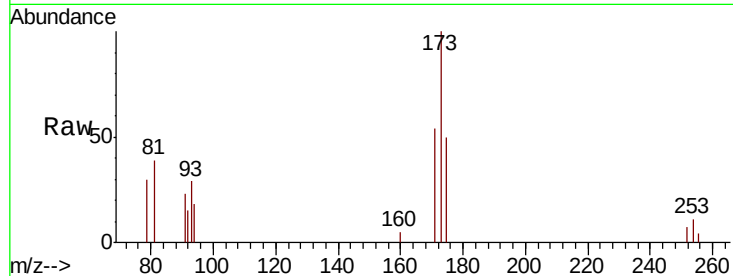
Tot Ion:173 Resp: 14241

Ion Ratio Lower Upper

173 100

175 49.5 23.1 69.2

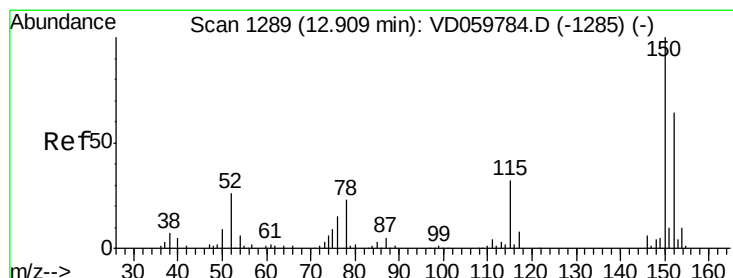
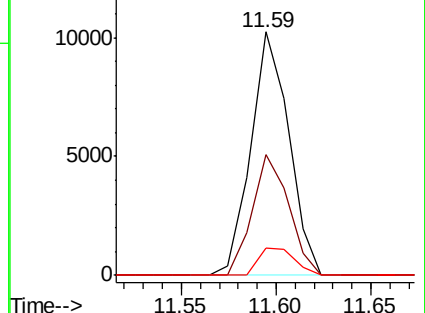
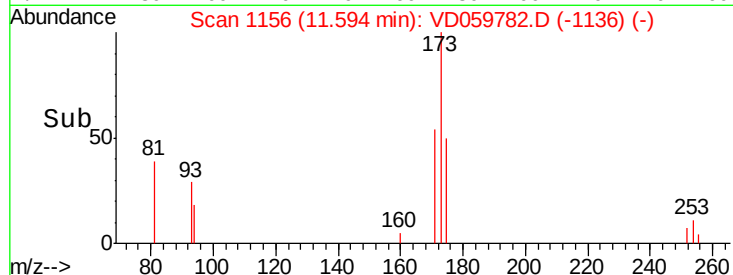
254 11.3 9.7 14.5



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: 12.90 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

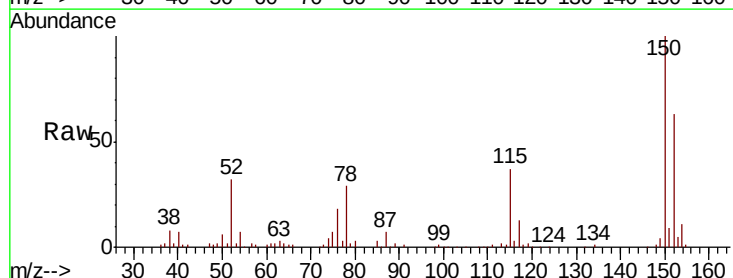
Tgt Ion:152 Resp: 149540

Ion Ratio Lower Upper

152 100

115 59.3 27.2 81.5

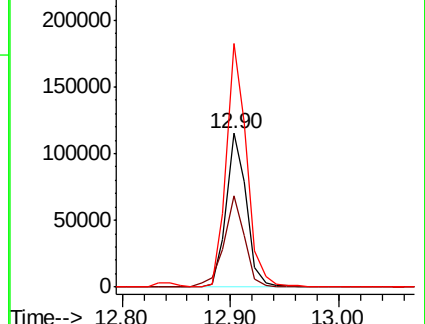
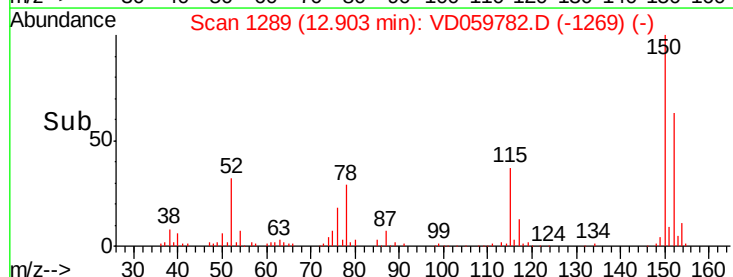
150 158.7 0.0 312.4

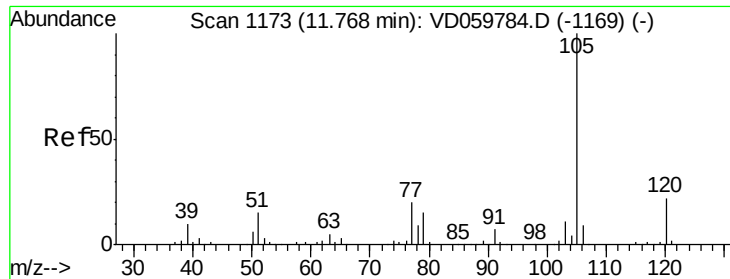


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 9.27 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

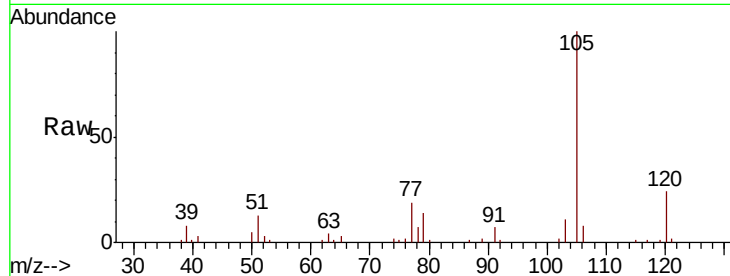
VSTDIC010

Tot Ion:105 Resp: 93144

Ion Ratio Lower Upper

105 100

120 24.1 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

60000

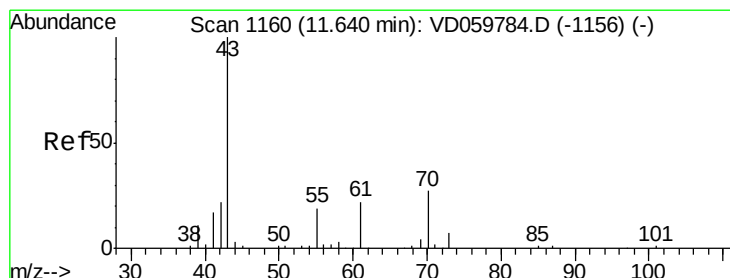
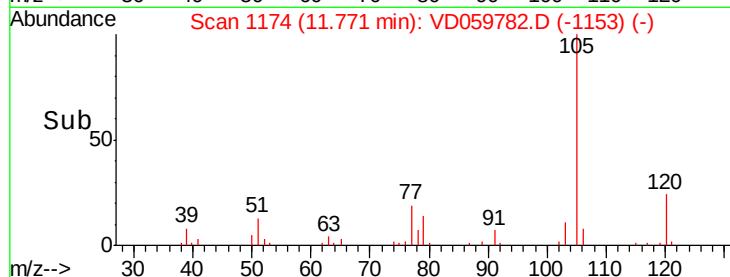
40000

20000

0

11.70 11.75 11.80 11.85

Time-->



#74

N-ethyl acetate

Concen: 9.40 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Tgt Ion: 43 Resp: 27269

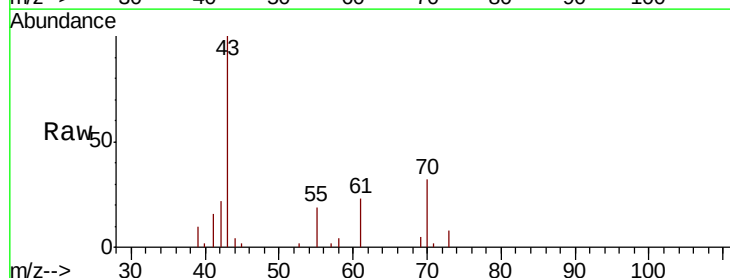
Ion Ratio Lower Upper

43 100

70 31.7 21.8 32.6

55 18.7 15.1 22.7

61 23.5 18.0 27.0



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

11.64

30000

25000

20000

15000

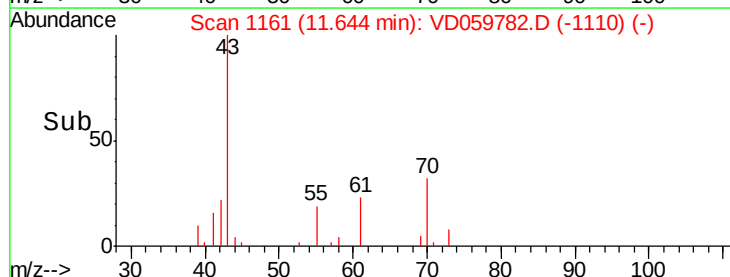
10000

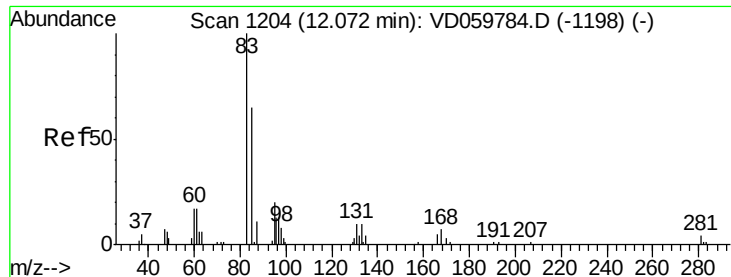
5000

0

11.60 11.65 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.10 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

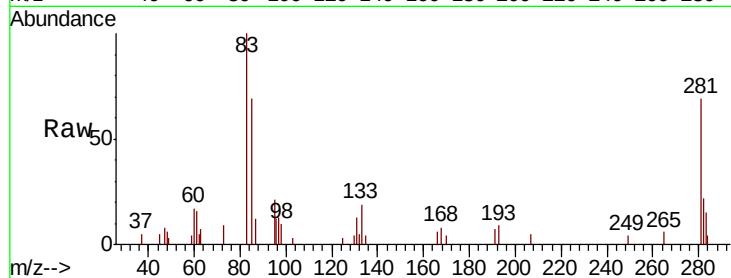
Tot Ion: 83 Resp: 18798

Ion Ratio Lower Upper

83 100

131 12.8 5.0 15.0

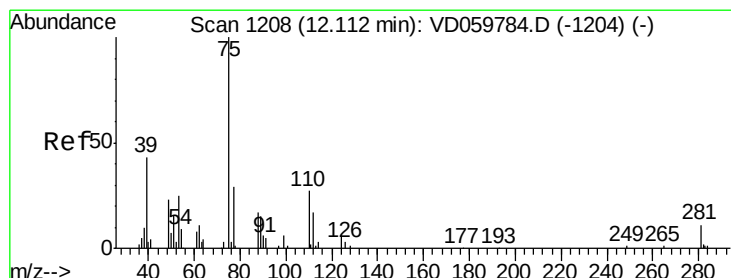
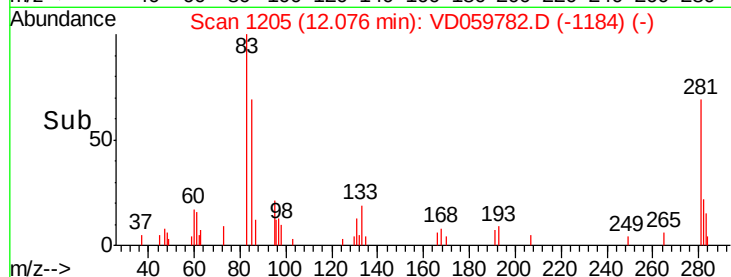
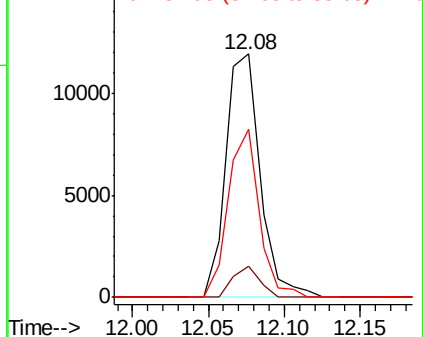
85 69.1 32.8 98.3



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: 9.69 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059782.D

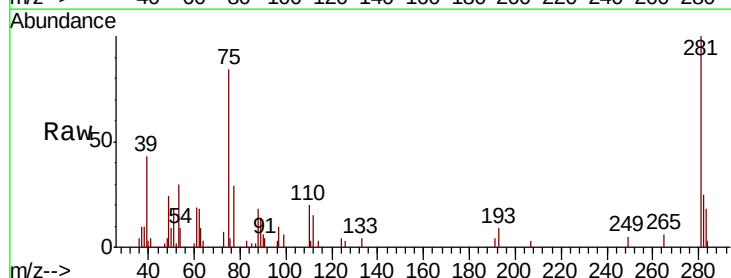
Acq: 14 Aug 2018 23:54

Tgt Ion: 75 Resp: 20905

Ion Ratio Lower Upper

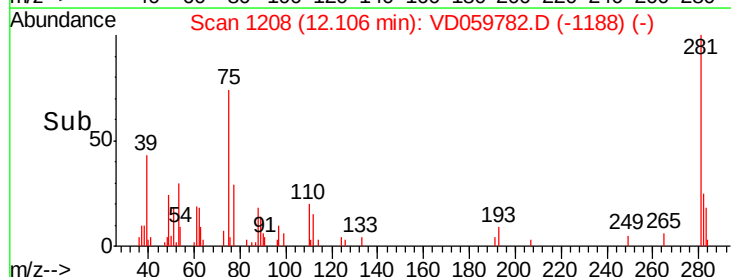
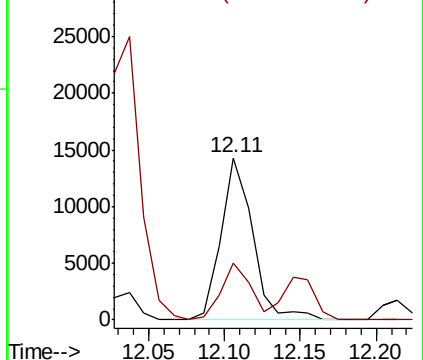
75 100

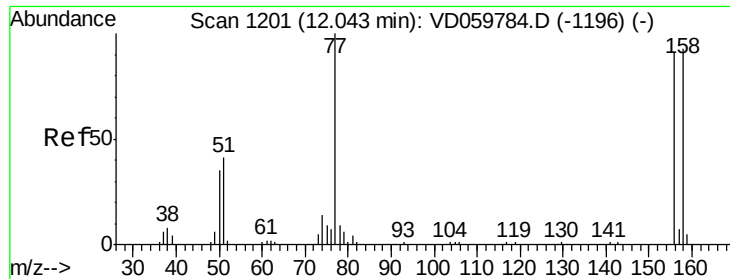
77 34.7 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 9.06 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

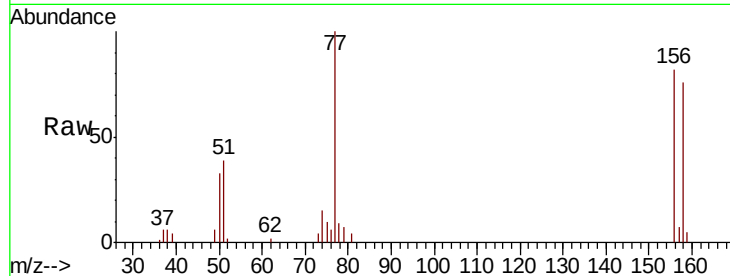
Tot Ion:156 Resp: 26626

Ion Ratio Lower Upper

156 100

77 121.2 54.9 164.8

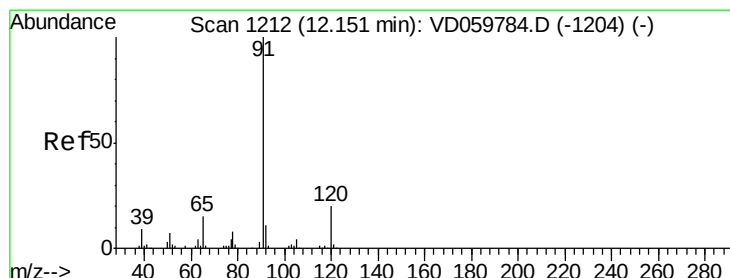
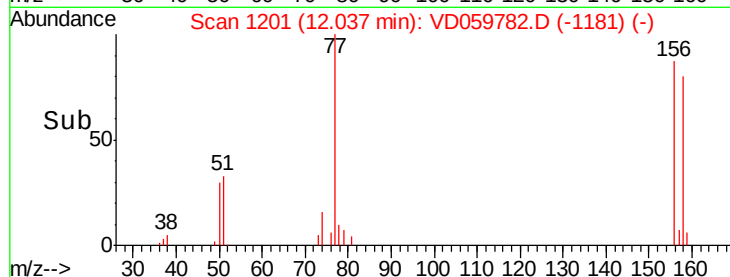
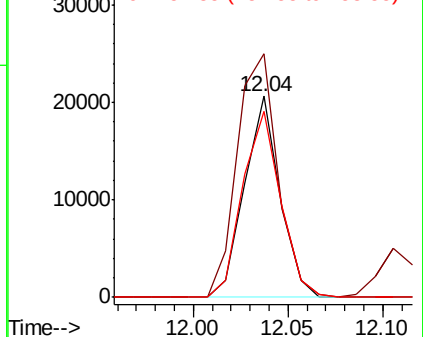
158 92.5 51.2 153.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 9.92 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VD059782.D

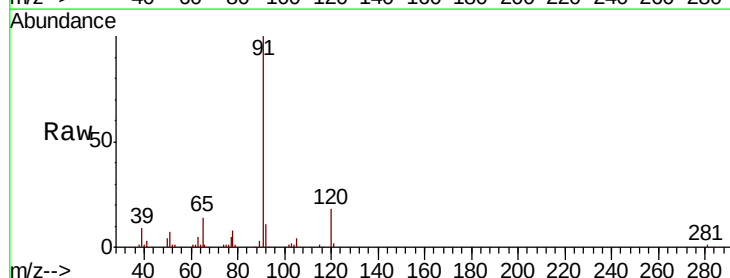
Acq: 14 Aug 2018 23:54

Tgt Ion: 91 Resp: 121552

Ion Ratio Lower Upper

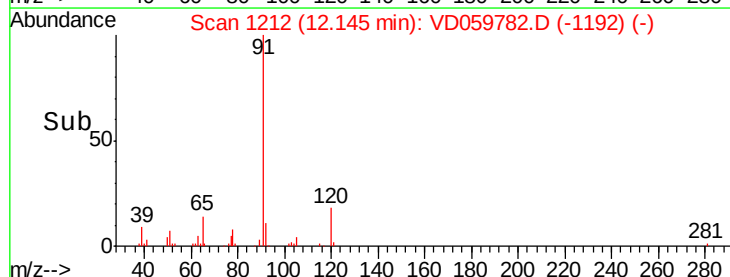
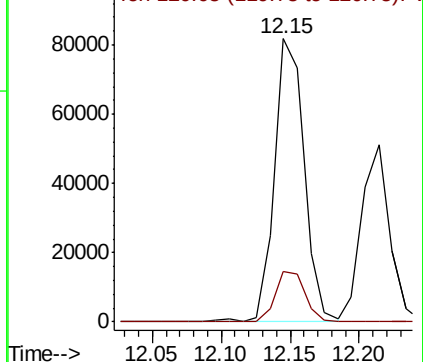
91 100

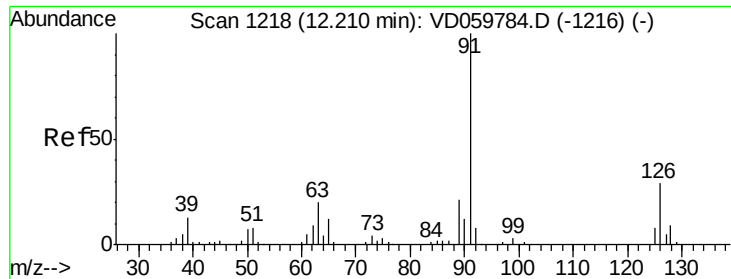
120 17.7 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

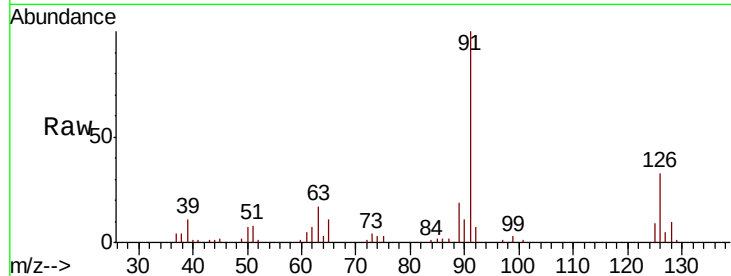




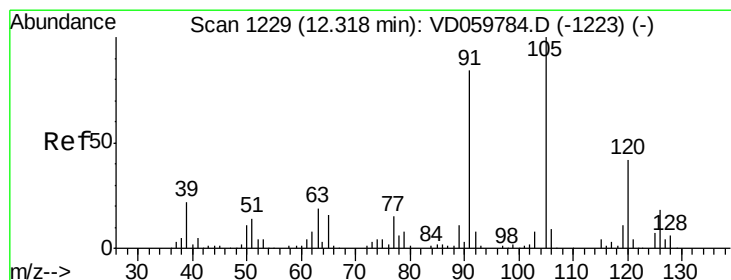
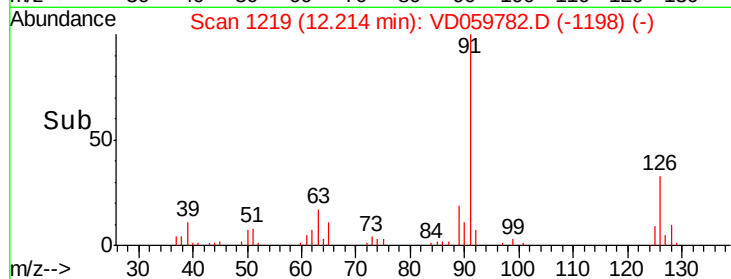
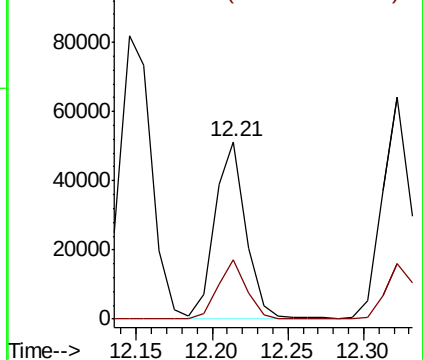
#79
 2-Chlorotoluene
 Concen: 9.46 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 73182
 Ion Ratio Lower Upper
 91 100
 126 33.1 14.0 41.9

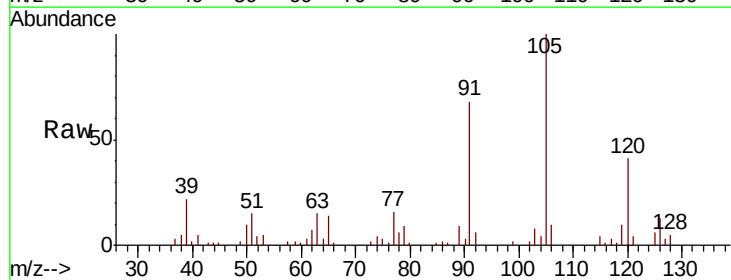


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

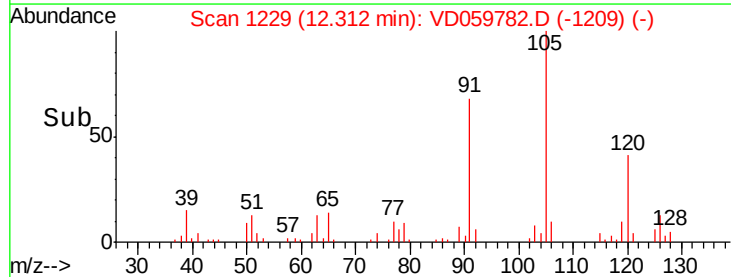
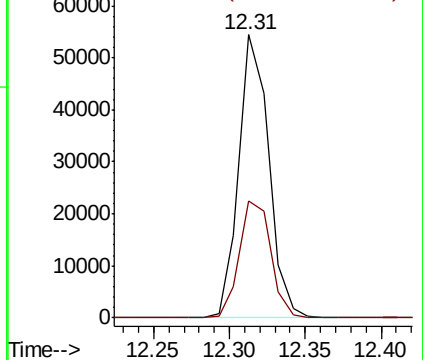


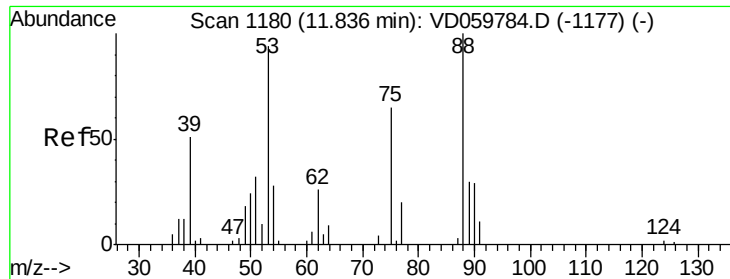
#80
 1,3,5-Trimethylbenzene
 Concen: 8.67 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion: 105 Resp: 74777
 Ion Ratio Lower Upper
 105 100
 120 41.5 20.8 62.5



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: 8.84 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

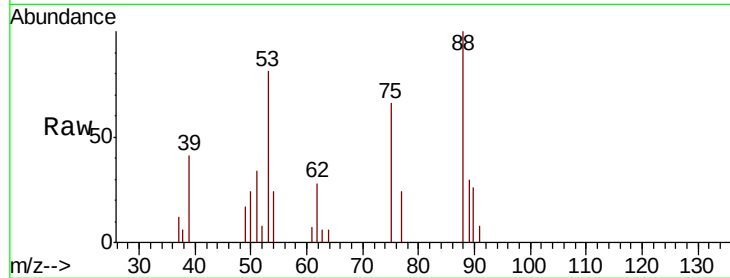
Tot Ion: 75 Resp: 4418

Ion Ratio Lower Upper

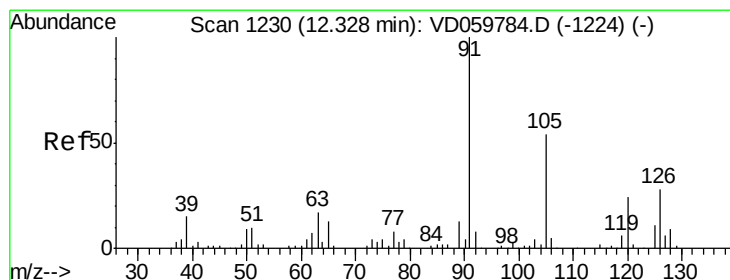
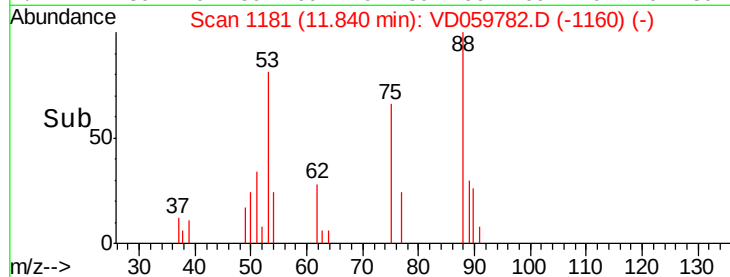
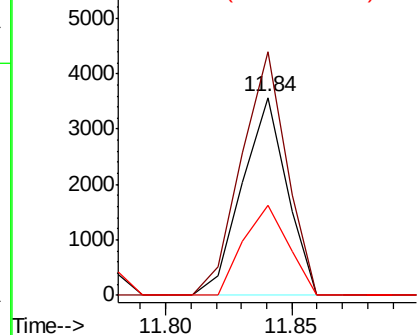
75 100

53 123.2 116.2 174.2

89 45.7 37.0 55.6



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: 9.39 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059782.D

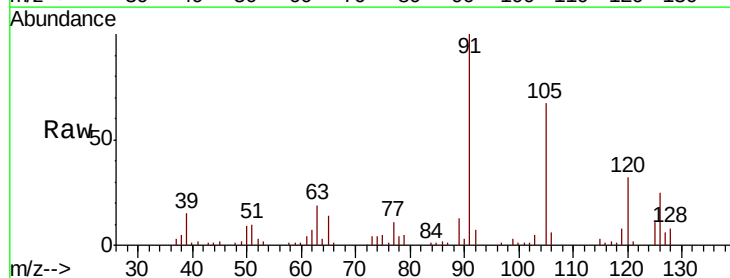
Acq: 14 Aug 2018 23:54

Tgt Ion: 91 Resp: 84749

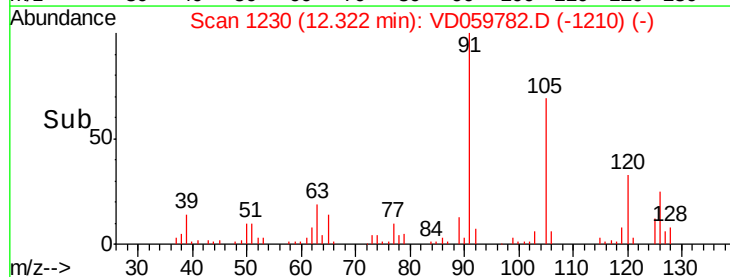
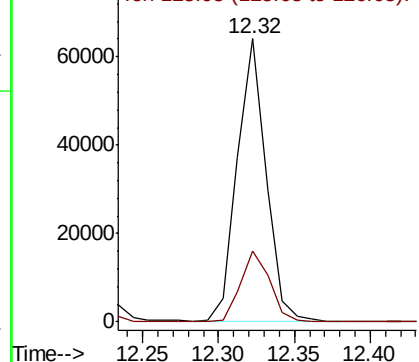
Ion Ratio Lower Upper

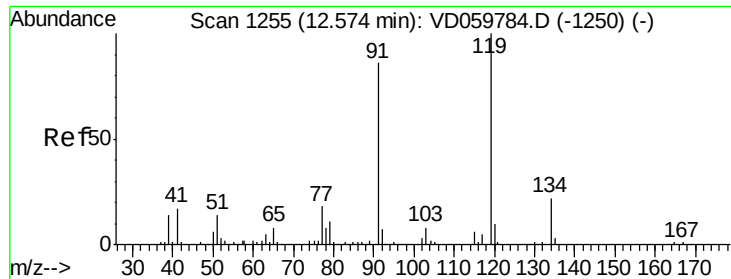
91 100

126 25.0 13.9 41.7



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

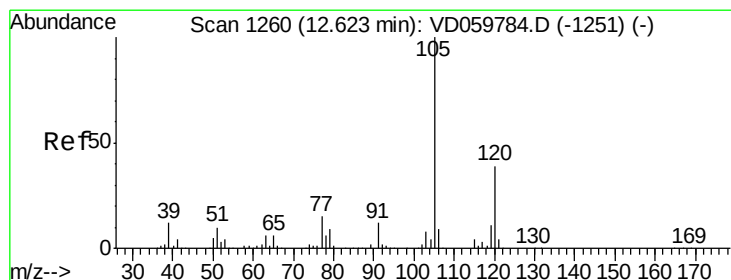
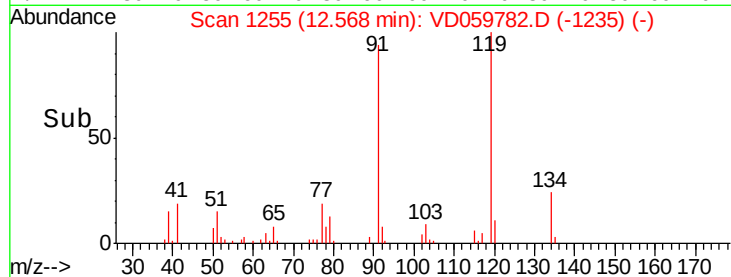
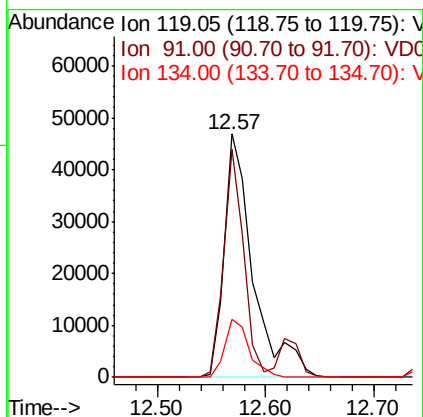
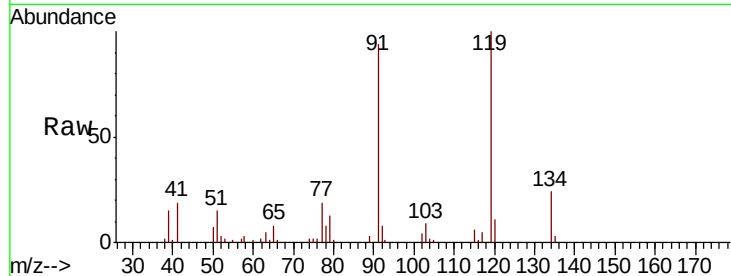




#83
 tert-Butylbenzene
 Concen: 9.20 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

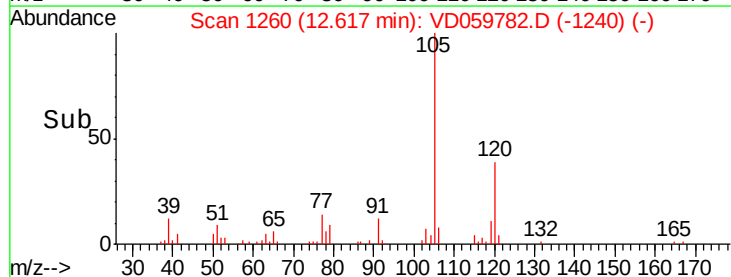
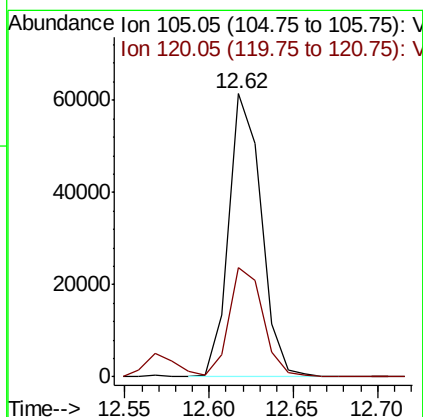
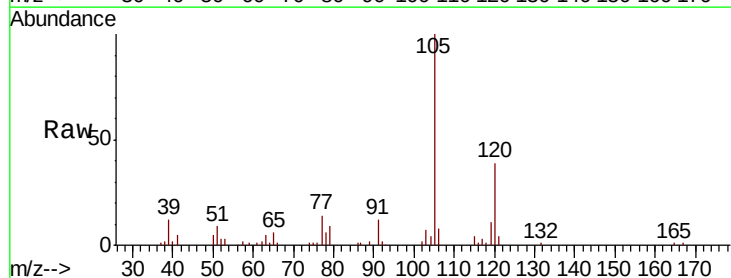
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

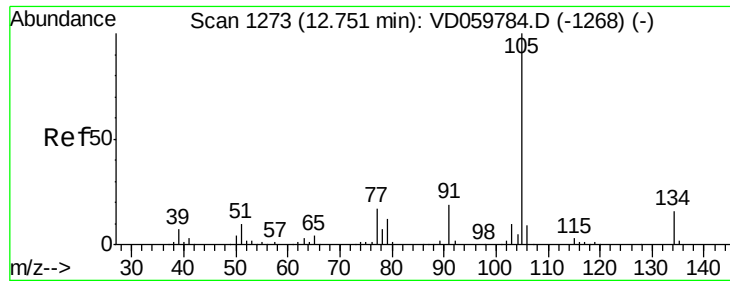
Tot Ion:119 Resp: 86554
 Ion Ratio Lower Upper
 119 100
 91 93.5 43.1 129.3
 134 23.8 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 9.26 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion:105 Resp: 82490
 Ion Ratio Lower Upper
 105 100
 120 38.7 19.6 58.8





#85

sec-Butylbenzene

Concen: 10.04 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

Instrument :

MSVOA_D

ClientSampleId :

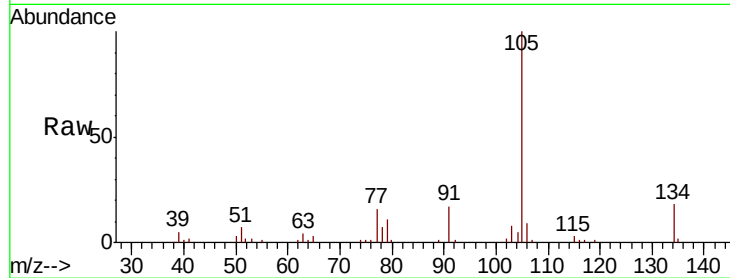
VSTDIC010

Tot Ion:105 Resp: 101439

Ion Ratio Lower Upper

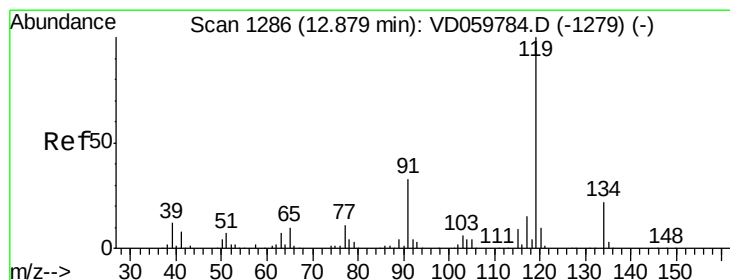
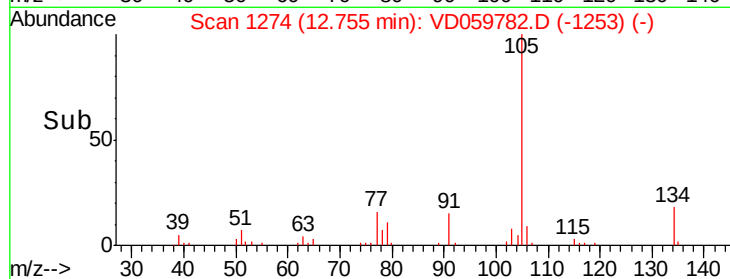
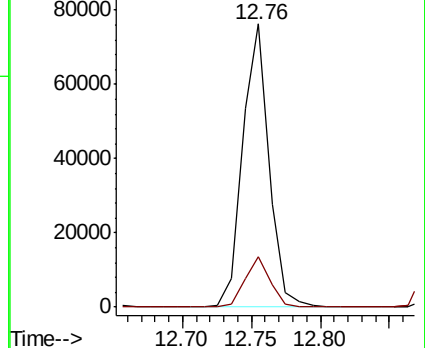
105 100

134 17.9 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 9.33 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059782.D

Acq: 14 Aug 2018 23:54

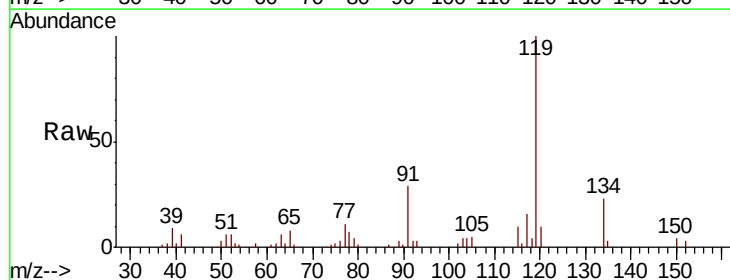
Tgt Ion:119 Resp: 84213

Ion Ratio Lower Upper

119 100

134 23.1 10.9 32.6

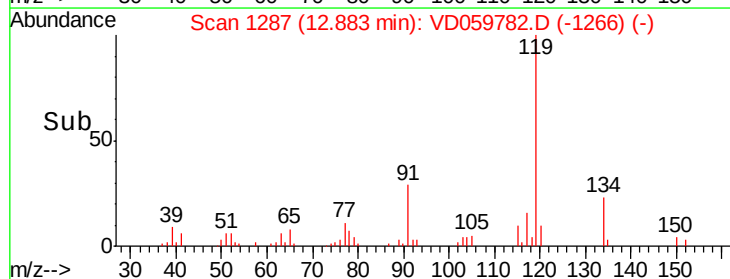
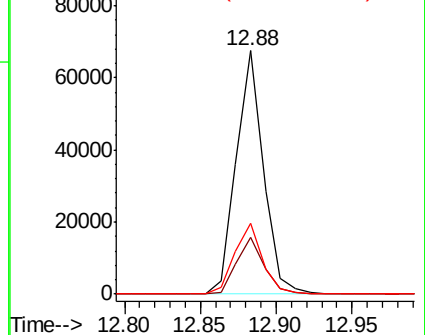
91 29.0 16.4 49.4

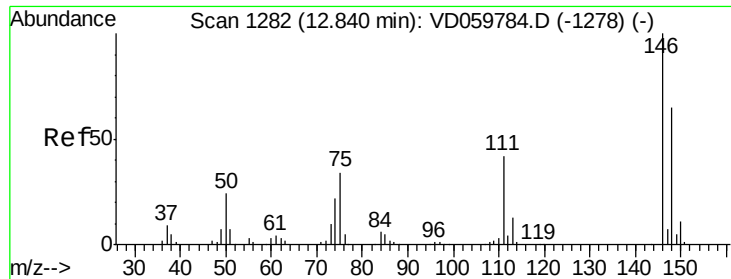


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

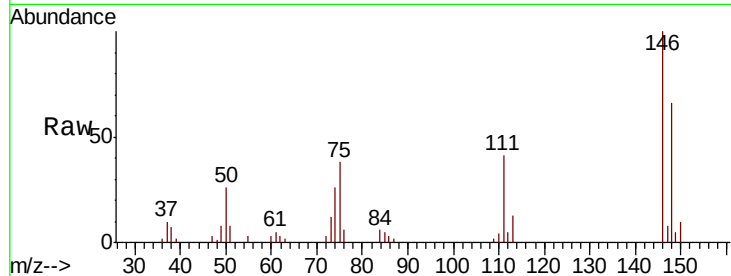




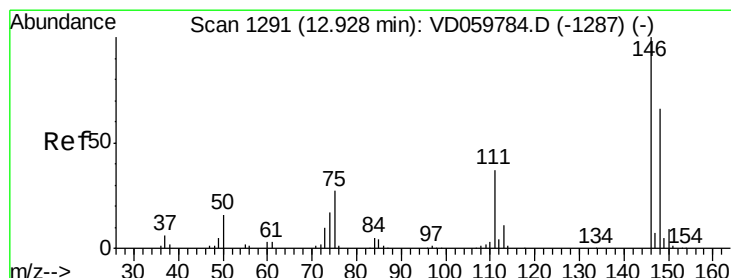
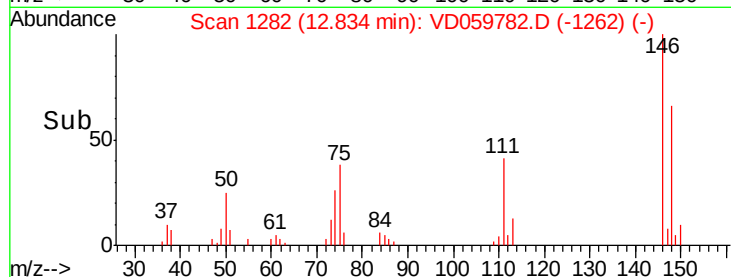
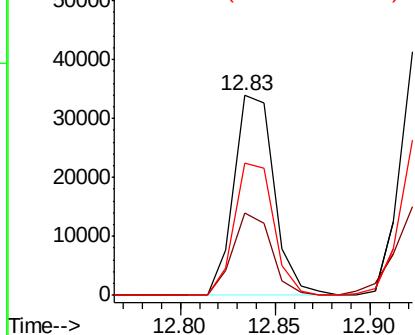
#87
 1,3-Dichlorobenzene
 Concen: 10.02 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:146 Resp: 49769
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.8
 148 66.2 32.6 97.8

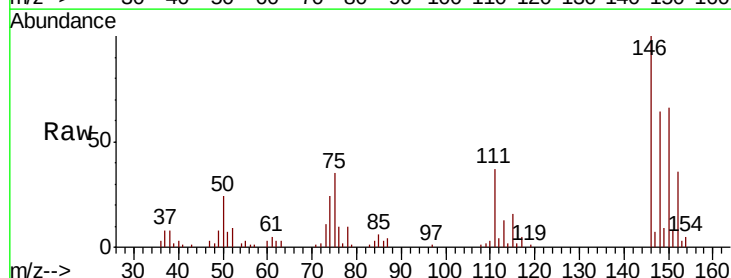


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

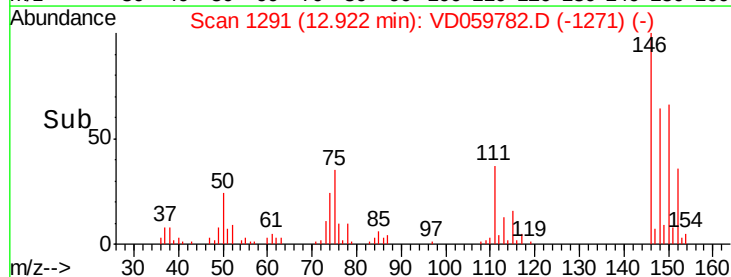
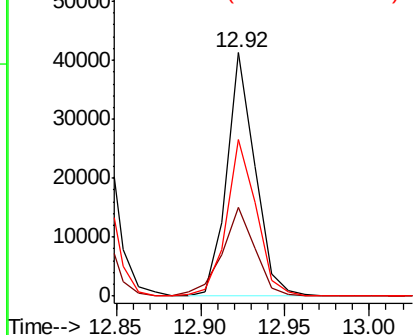


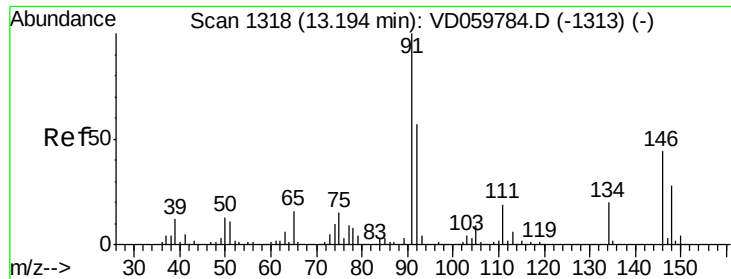
#88
 1,4-Dichlorobenzene
 Concen: 9.62 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion:146 Resp: 48173
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.6
 148 64.1 33.0 99.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

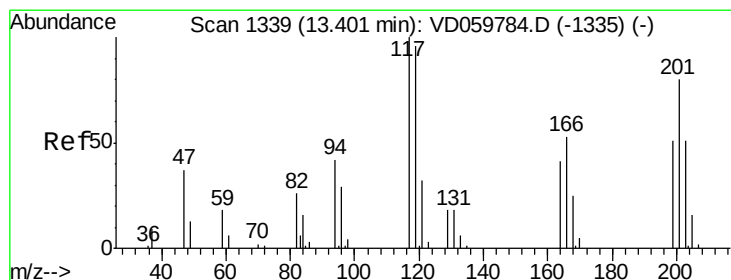
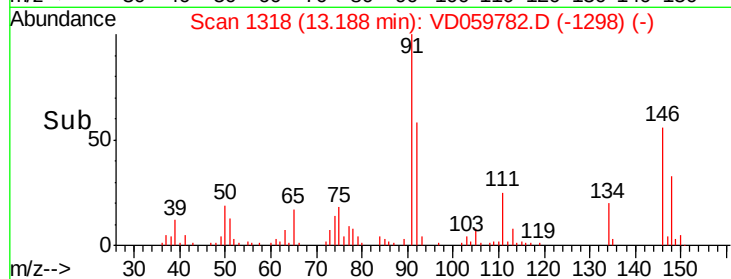
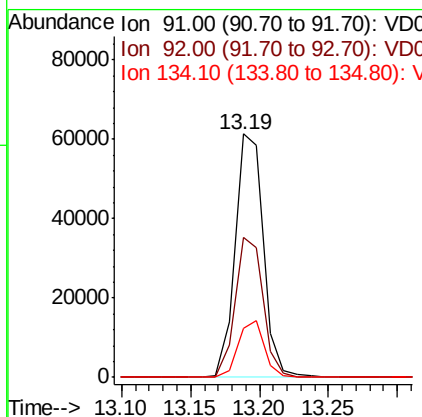
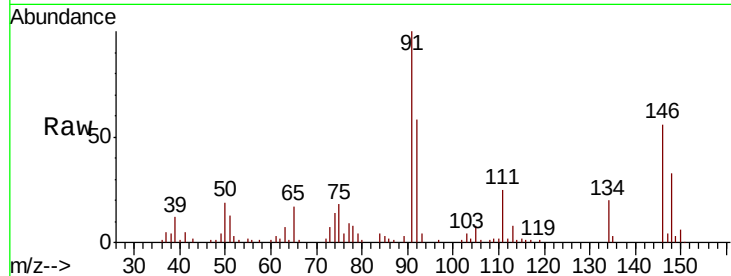




#89
n-Butylbenzene
Concen: 9.71 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

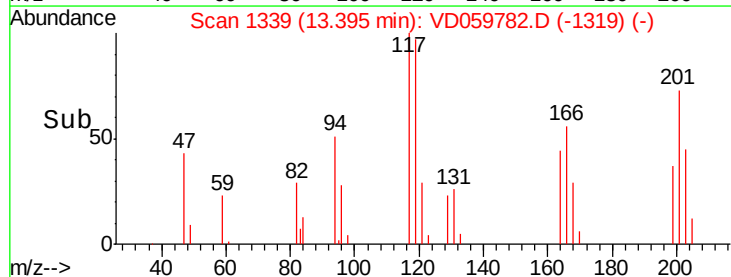
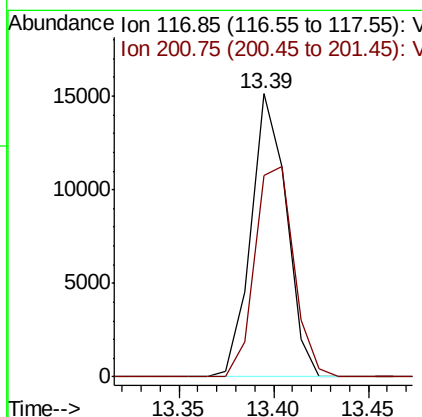
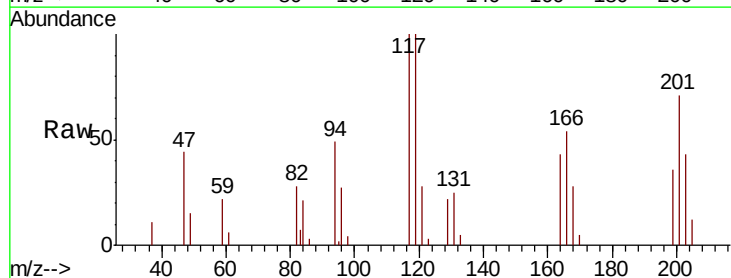
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

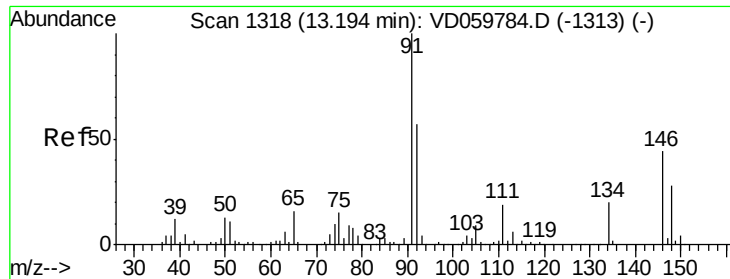
Tot Ion: 91 Resp: 87502
Ion Ratio Lower Upper
91 100
92 57.7 28.4 85.3
134 20.0 10.2 30.4



#90
Hexachloroethane
Concen: 8.46 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion: 117 Resp: 19601
Ion Ratio Lower Upper
117 100
201 71.2 39.9 119.7

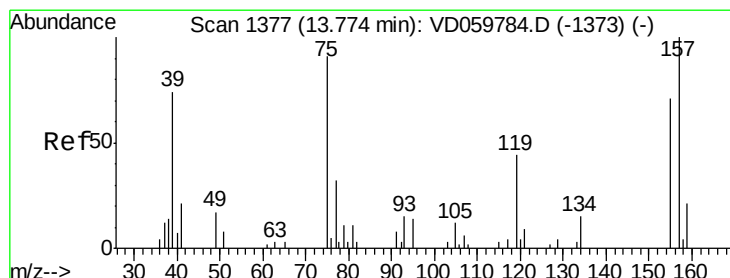
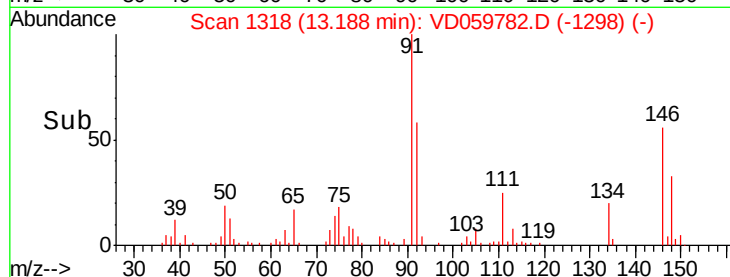
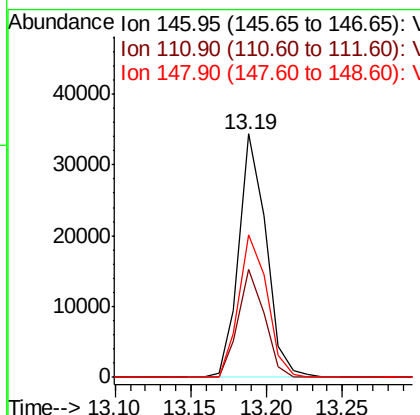
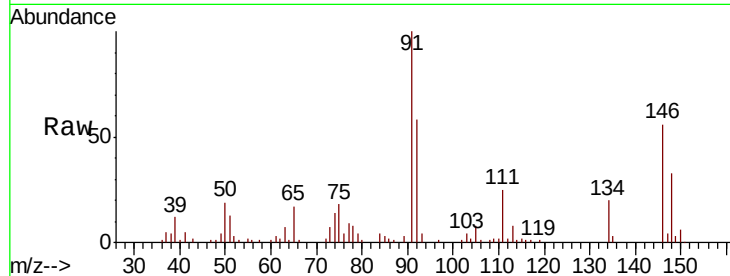




#91
 1,2-Dichlorobenzene
 Concen: 10.13 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

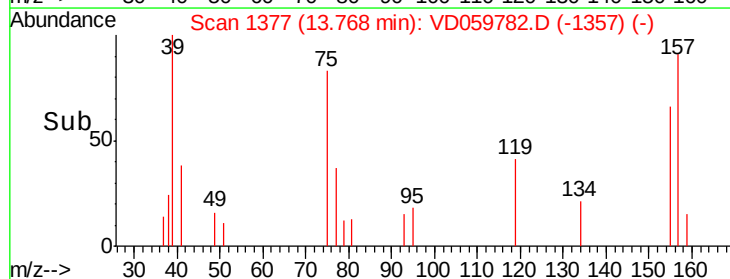
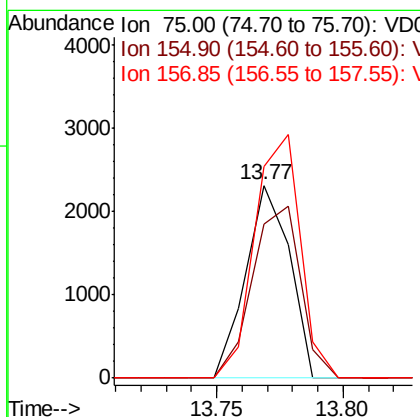
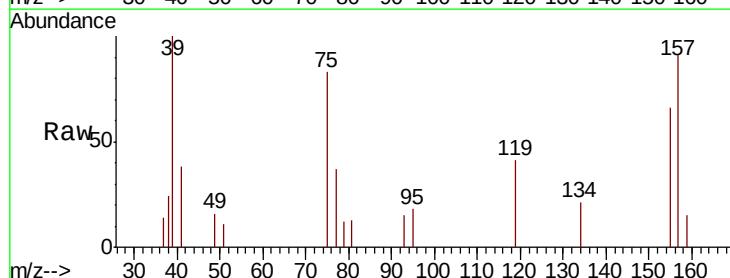
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

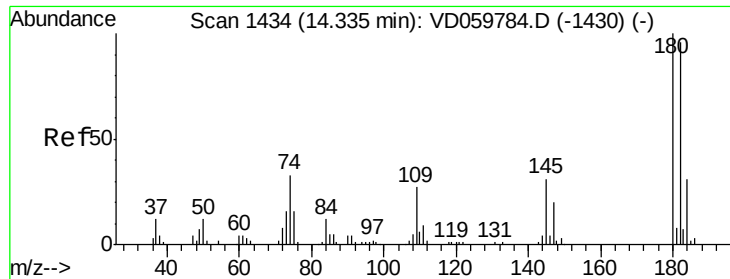
Tot Ion:146 Resp: 43105
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.1 63.1
 148 58.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.35 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion: 75 Resp: 2800
 Ion Ratio Lower Upper
 75 100
 155 79.9 39.0 117.0
 157 109.5 54.8 164.3

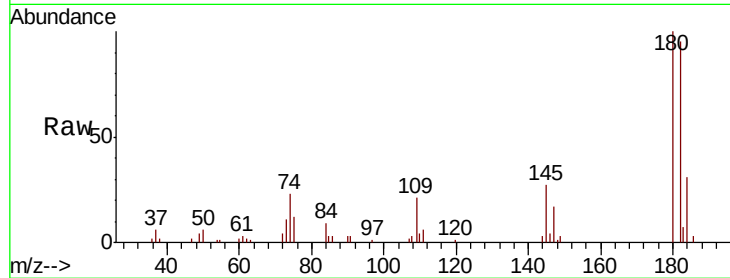




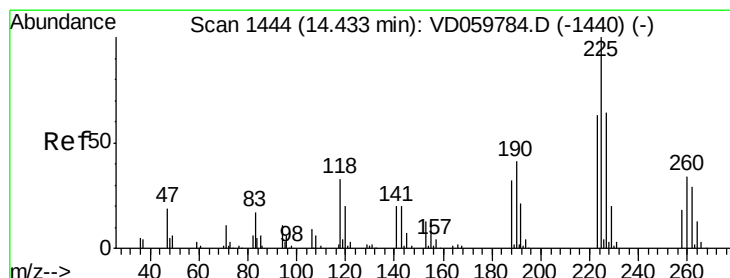
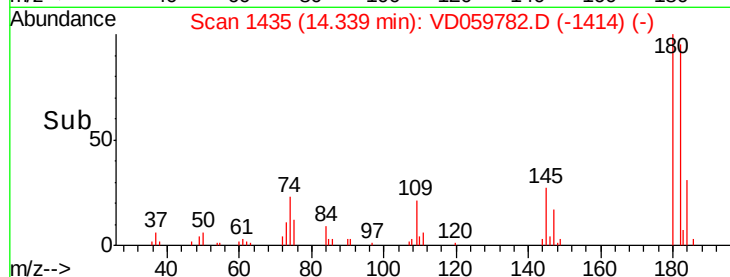
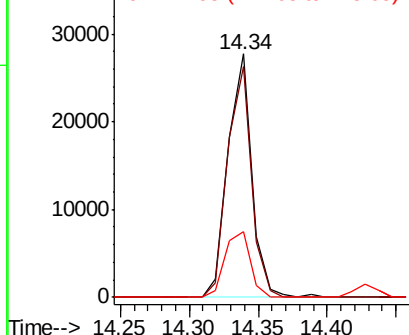
#93
 1,2,4-Trichlorobenzene
 Concen: 8.46 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 33441
 Ion Ratio Lower Upper
 180 100
 182 94.8 48.0 144.0
 145 26.9 15.5 46.5

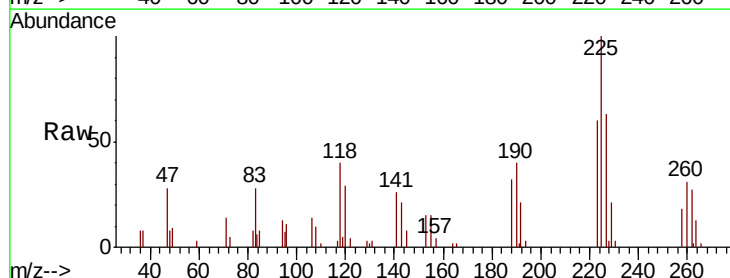


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

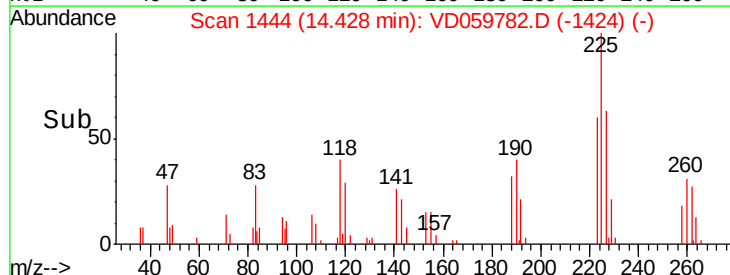
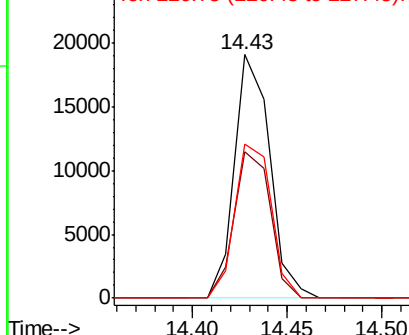


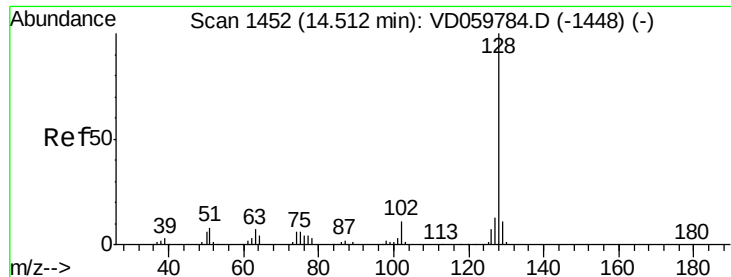
#94
 Hexachlorobutadiene
 Concen: 7.60 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VD059782.D
 Acq: 14 Aug 2018 23:54

Tgt Ion:225 Resp: 24605
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.4 94.2
 227 63.2 32.1 96.5



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

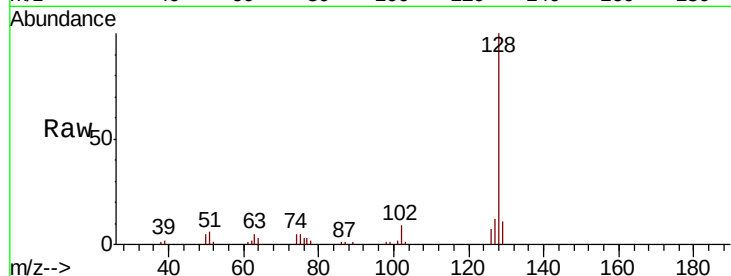




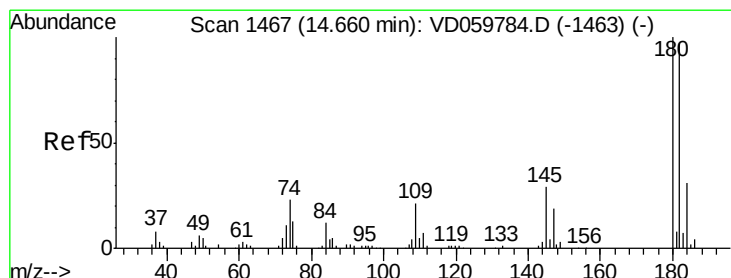
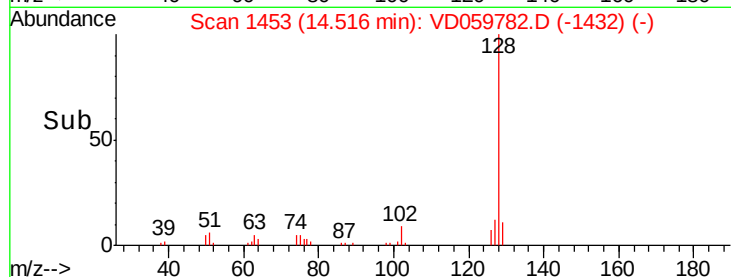
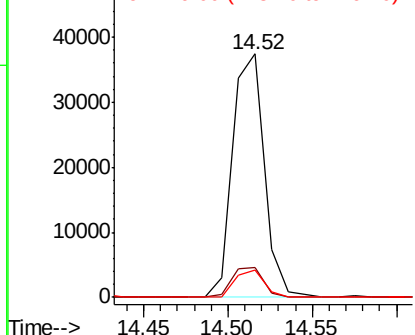
#95
Naphthalene
Concen: 9.06 ug/l
RT: 14.52 min Scan# 1453
Delta R.T. 0.00 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 48909
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 11.0 9.1 13.7

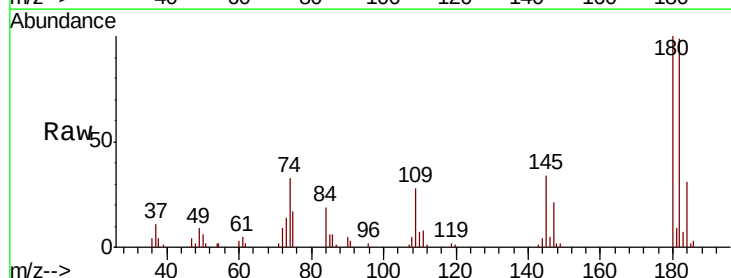


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 8.65 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.01 min
Lab File: VD059782.D
Acq: 14 Aug 2018 23:54

Tgt Ion:180 Resp: 29216
Ion Ratio Lower Upper
180 100
182 99.2 48.5 145.5
145 33.7 14.3 42.9



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

