

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061918\
 Data File : VD058195.D
 Acq On : 19 Jun 2018 15:34
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 20 05:01:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:00:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	996454	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.69	114	1245670	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1012220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	513800	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	45047	4.43	ug/l	0.01
Spiked Amount	50.000		Recovery	=	8.86%	
35) Dibromofluoromethane	5.55	113	47755	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
50) Toluene-d8	8.71	98	111804	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	
62) 4-Bromofluorobenzene	11.93	95	48231	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.34	85	46039	3.59	ug/l	89
3) Chloromethane	1.47	50	28453	4.50	ug/l	93
4) Vinyl Chloride	1.55	62	28019	4.53	ug/l #	88
5) Bromomethane	1.79	94	14183	6.06	ug/l	88
6) Chloroethane	1.88	64	11233	4.72	ug/l	92
7) Trichlorofluoromethane	2.08	101	39301	4.70	ug/l	98
8) Diethyl Ether	2.34	74	7200	4.52	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.55	101	24578	4.87	ug/l	87
10) Methyl Iodide	2.68	142	23297	3.60	ug/l #	94
11) Tert butyl alcohol	3.26	59	9115	33.32	ug/l #	68
12) 1,1-Dichloroethene	2.54	96	18361	4.74	ug/l	85
13) Acrolein	2.47	56	5737	16.72	ug/l #	80
14) Allyl chloride	2.92	41	40934	4.52	ug/l #	95
15) Acrylonitrile	3.35	53	22299	15.26	ug/l #	90
16) Acetone	2.62	43	37614	26.18	ug/l	96
17) Carbon Disulfide	2.75	76	63223	4.55	ug/l	99
18) Methyl Acetate	2.93	43	18175	6.38	ug/l	94
19) Methyl tert-butyl Ether	3.40	73	44264	2.74	ug/l	98
20) Methylene Chloride	3.07	84	28740	5.96	ug/l	99
21) trans-1,2-Dichloroethene	3.38	96	19790	2.48	ug/l #	93
22) Diisopropyl ether	4.07	45	167917	4.73	ug/l	97
23) Vinyl Acetate	4.01	43	392123	21.17	ug/l	98
24) 1,1-Dichloroethane	3.97	63	88897	4.55	ug/l	99
25) 2-Butanone	4.84	43	81847	25.38	ug/l	98
26) 2,2-Dichloropropane	4.79	77	81454	5.07	ug/l	89
27) cis-1,2-Dichloroethene	4.80	96	49563	4.80	ug/l	94
28) Bromochloromethane	5.15	49	34219	4.00	ug/l	97
29) Tetrahydrofuran	5.20	42	43916	25.65	ug/l	96
30) Chloroform	5.32	83	93911	4.75	ug/l	92
31) Cyclohexane	5.59	56	97484	5.77	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	79389	4.79	ug/l	99
36) 1,1-Dichloropropene	5.74	75	71532	5.32	ug/l	96
37) Ethyl Acetate	4.93	43	36495	4.86	ug/l	98
38) Carbon Tetrachloride	5.73	117	64270	4.83	ug/l	95

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 20 05:01:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:00:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	69811	5.28	ug/l	96
40) Benzene	6.01	78	173877	5.53	ug/l	95
41) Methacrylonitrile	5.13	41	16839	4.94	ug/l #	88
42) 1,2-Dichloroethane	6.13	62	62832	4.93	ug/l	98
43) Isopropyl Acetate	7.63	43	46424	4.72	ug/l #	98
44) Trichloroethene	6.99	130	48677	5.30	ug/l	94
45) 1,2-Dichloropropane	7.35	63	43796	5.01	ug/l	97
46) Dibromomethane	7.47	93	26308	4.62	ug/l	86
47) Bromodichloromethane	7.74	83	63454	4.83	ug/l	99
48) Methyl methacrylate	7.51	41	29307	4.86	ug/l	96
49) 1,4-Dioxane	7.49	88	4242	82.26	ug/l #	83
51) 4-Methyl-2-Pentanone	8.60	43	160044	25.35	ug/l	95
52) Toluene	8.80	92	94042	5.21	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	51596	4.52	ug/l	97
54) cis-1,3-Dichloropropene	8.37	75	62672	4.67	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	33296	5.59	ug/l	91
56) Ethyl methacrylate	9.32	69	35633	4.87	ug/l	95
57) 1,3-Dichloropropane	9.66	76	55944	5.42	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	90723	24.45	ug/l	96
59) 2-Hexanone	9.79	43	115039	24.99	ug/l	95
60) Dibromochloromethane	9.96	129	40374	4.84	ug/l	85
61) 1,2-Dibromoethane	10.10	107	34048	4.98	ug/l	99
64) Tetrachloroethene	9.52	164	46910	5.25	ug/l	91
65) Chlorobenzene	10.73	112	108807	5.41	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.85	131	36201	4.68	ug/l	96
67) Ethyl Benzene	10.86	91	198448	5.49	ug/l	93
68) m/p-Xylenes	11.01	106	131953	11.13	ug/l	99
69) o-Xylene	11.41	106	60591	5.20	ug/l	90
70) Styrene	11.44	104	102569	5.29	ug/l	99
71) Bromoform	11.60	173	24286	4.09	ug/l	96
73) Isopropylbenzene	11.77	105	181047	5.43	ug/l	98
74) N-amyl acetate	11.65	43	61338	4.69	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	38294	5.14	ug/l	87
76) 1,2,3-Trichloropropane	12.12	75	40930	5.28	ug/l	91
77) Bromobenzene	12.05	156	52536	5.30	ug/l	96
78) n-propylbenzene	12.16	91	234597	5.38	ug/l	97
79) 2-Chlorotoluene	12.21	91	127769	5.14	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	140417	5.35	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	8796	4.60	ug/l	95
82) 4-Chlorotoluene	12.33	91	155632	5.67	ug/l	100
83) tert-Butylbenzene	12.58	119	157062	5.32	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	152589	5.44	ug/l	99
85) sec-Butylbenzene	12.76	105	188424	5.28	ug/l	99
86) p-Isopropyltoluene	12.88	119	144154	5.05	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	91611	5.44	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	92290	5.59	ug/l	90
89) n-Butylbenzene	13.20	91	159196	5.35	ug/l	96
90) Hexachloroethane	13.41	117	35126	4.79	ug/l	76
91) 1,2-Dichlorobenzene	13.20	146	78212	5.65	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	5101	4.43	ug/l	89

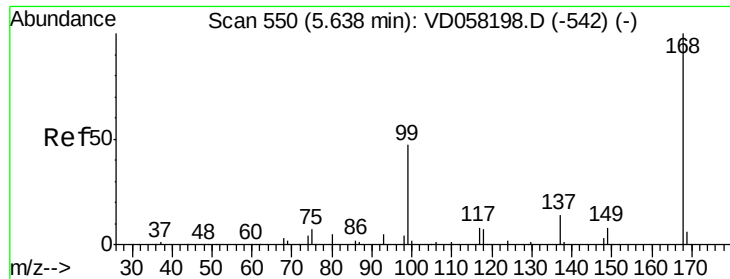
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061918\
Data File : VD058195.D
Acq On : 19 Jun 2018 15:34
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Jun 20 05:01:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:00:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	68083	5.27	ug/l	93
94) Hexachlorobutadiene	14.44	225	56981	5.66	ug/l	97
95) Naphthalene	14.52	128	85229	5.03	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	64140	5.80	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

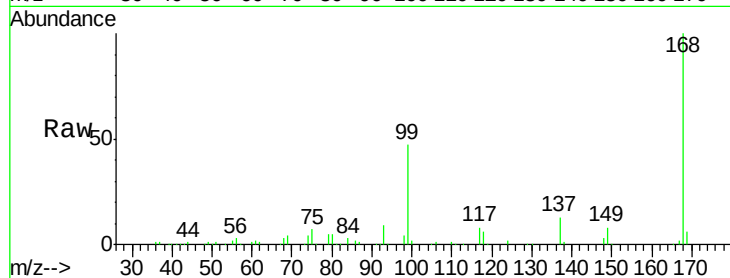
VSTDIC005

Tot Ion:168 Resp: 996454

Ion Ratio Lower Upper

168 100

99 47.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

400000

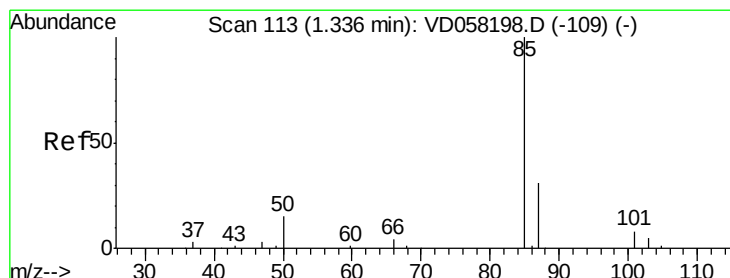
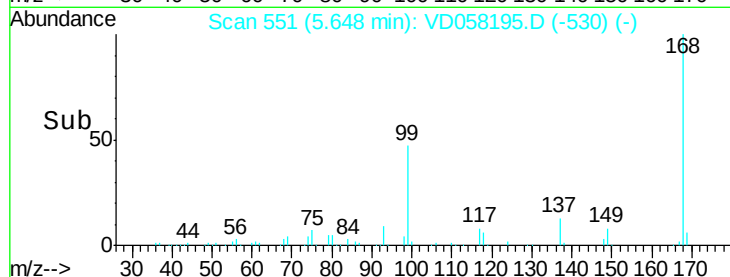
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.59 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058195.D

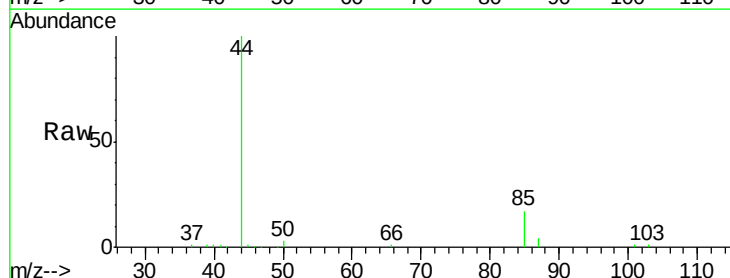
Acq: 19 Jun 2018 15:34

Tgt Ion: 85 Resp: 46039

Ion Ratio Lower Upper

85 100

87 25.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.34

20000

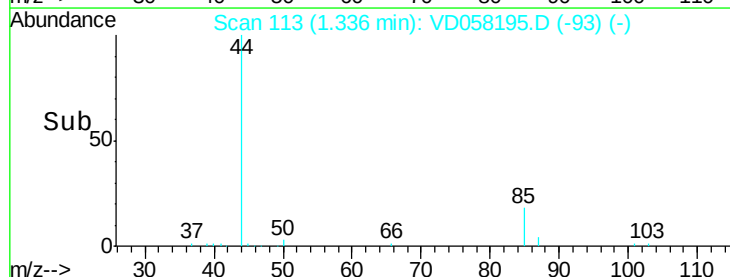
15000

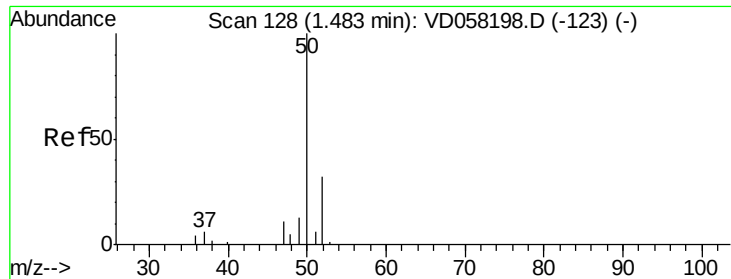
10000

5000

0

Time-->





#3

Chloromethane

Concen: 4.50 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

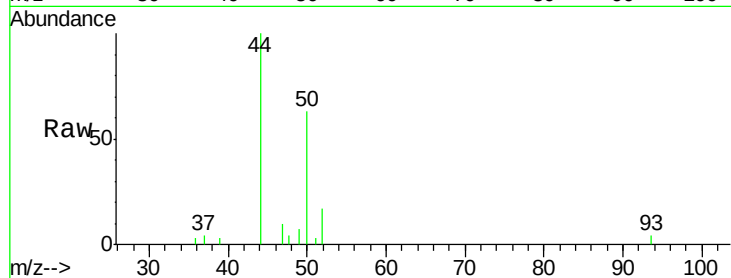
VSTDIC005

Tot Ion: 50 Resp: 28453

Ion Ratio Lower Upper

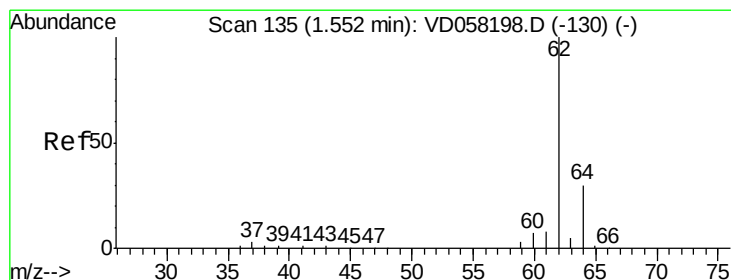
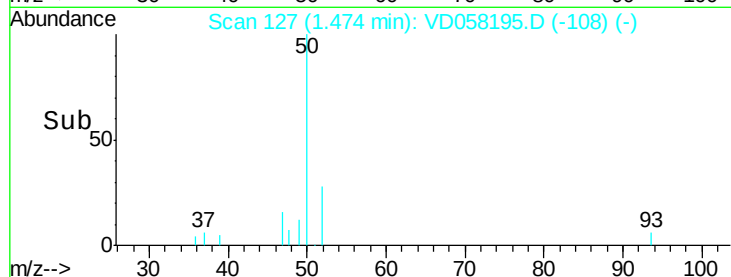
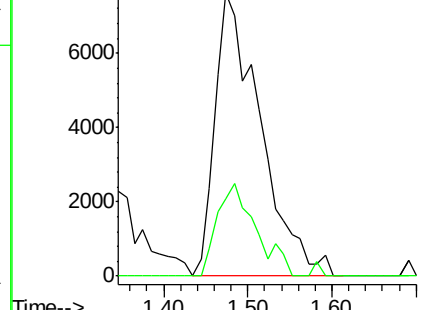
50 100

52 27.5 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.53 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058195.D

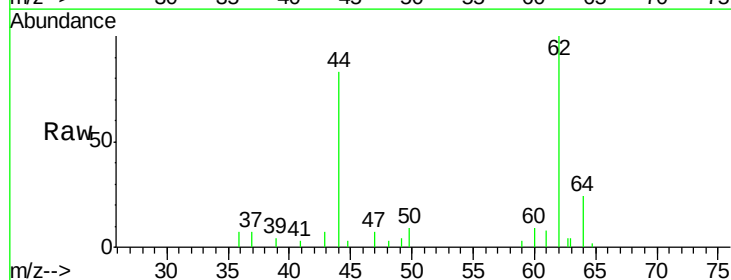
Acq: 19 Jun 2018 15:34

Tgt Ion: 62 Resp: 28019

Ion Ratio Lower Upper

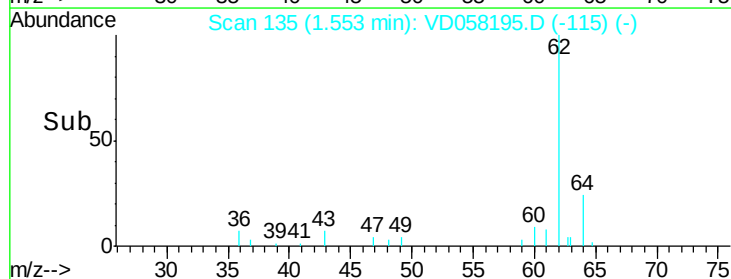
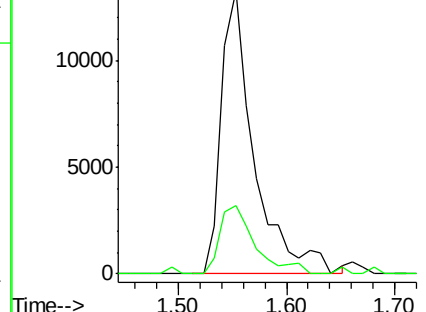
62 100

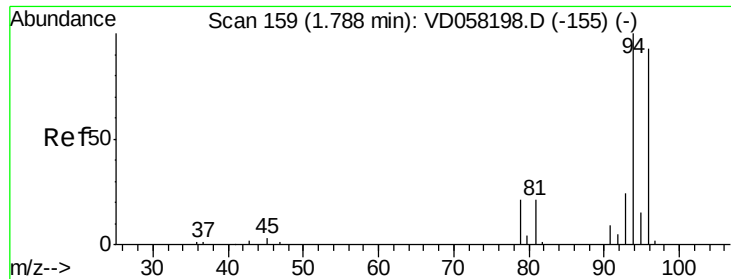
64 23.9 24.4 36.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

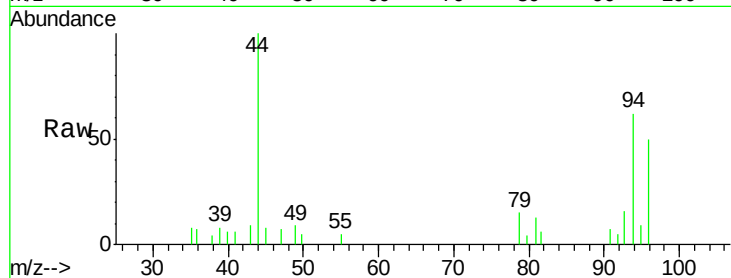




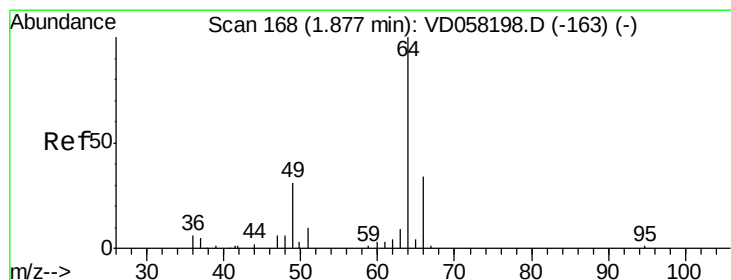
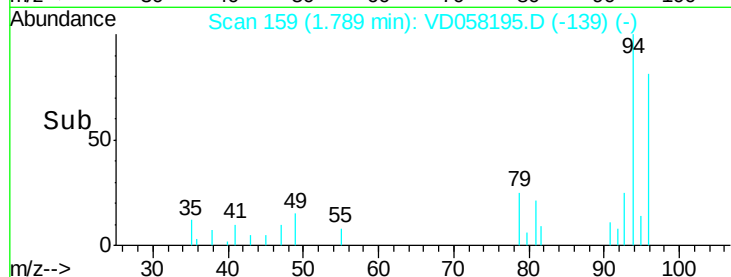
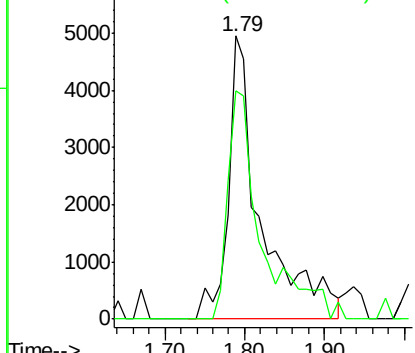
#5
Bromomethane
Concen: 6.06 ug/l
RT: 1.79 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

Tot Ion: 94 Resp: 14183
Ion Ratio Lower Upper
94 100
96 80.8 74.2 111.2

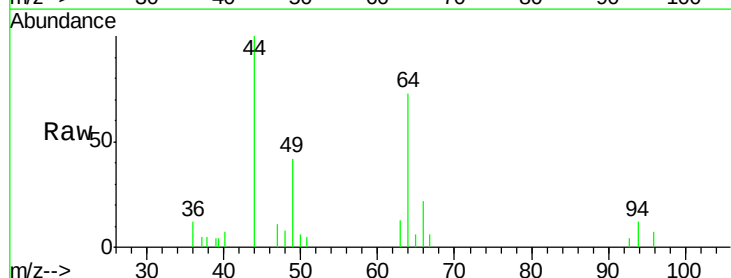


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

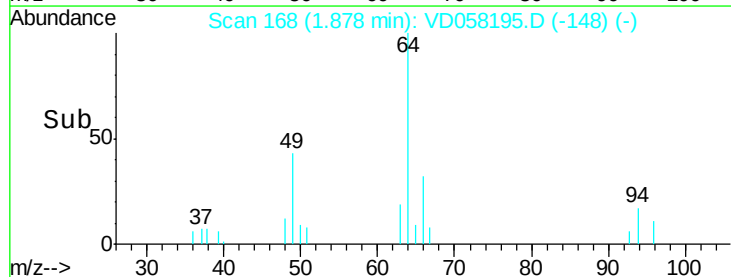
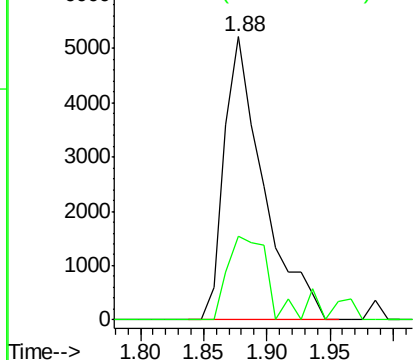


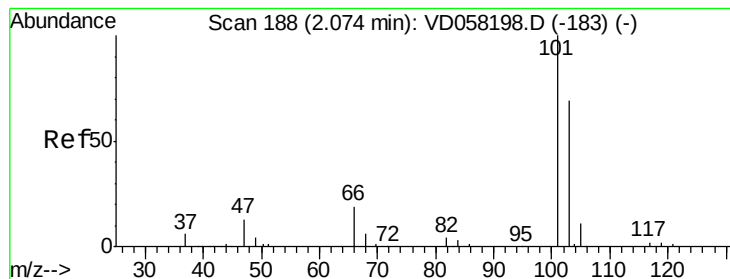
#6
Chloroethane
Concen: 4.72 ug/l
RT: 1.88 min Scan# 168
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 64 Resp: 11233
Ion Ratio Lower Upper
64 100
66 29.7 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 4.70 ug/l

RT: 2.08 min Scan# 189

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

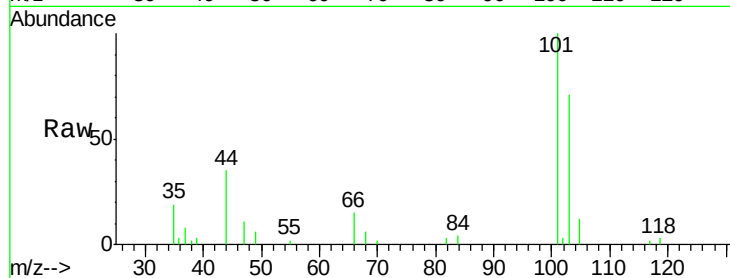
VSTDIC005

Tot Ion:101 Resp: 39301

Ion Ratio Lower Upper

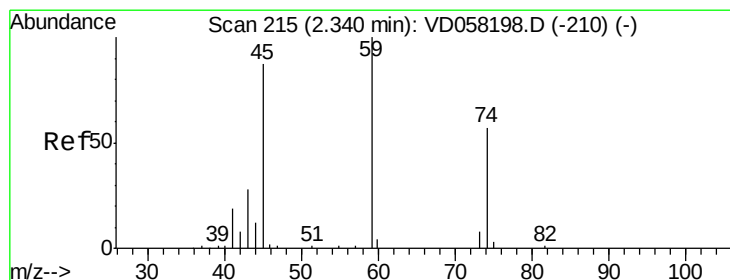
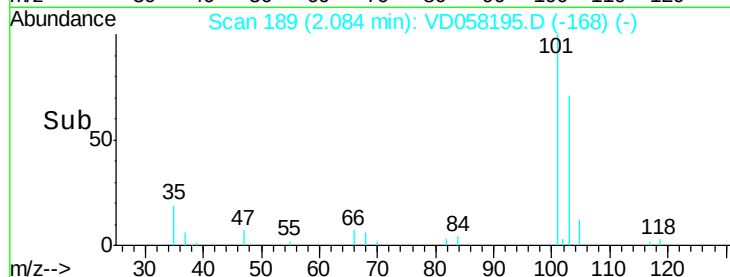
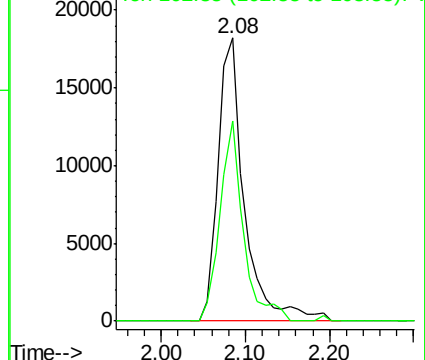
101 100

103 70.5 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 4.52 ug/l

RT: 2.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: VD058195.D

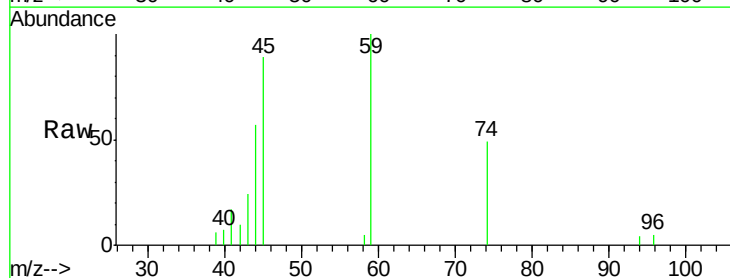
Acq: 19 Jun 2018 15:34

Tgt Ion: 74 Resp: 7200

Ion Ratio Lower Upper

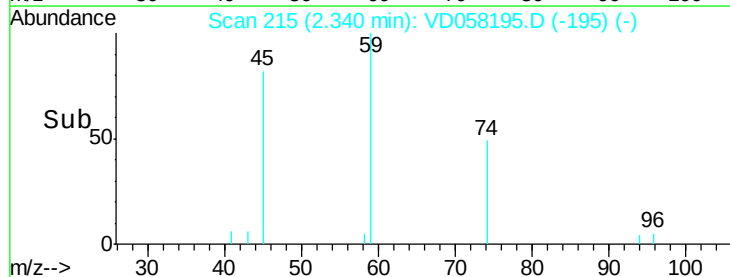
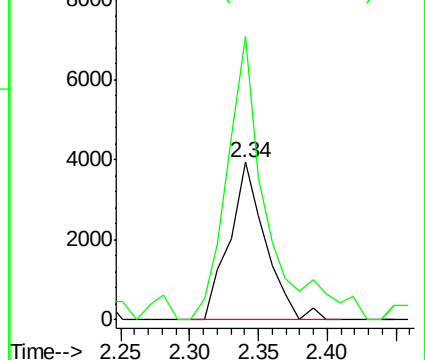
74 100

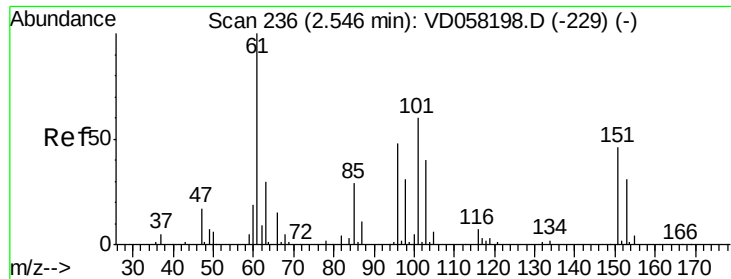
45 179.9 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.87 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

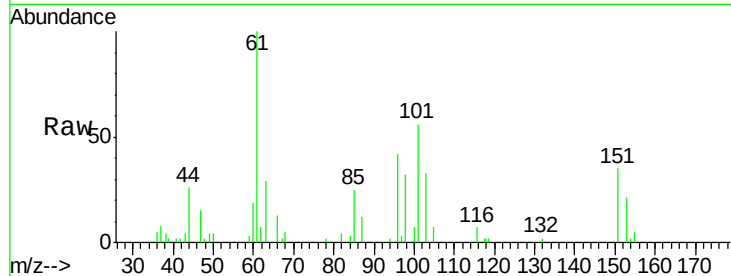
Tot Ion:101 Resp: 24578

Ion Ratio Lower Upper

101 100

85 43.8 39.0 58.4

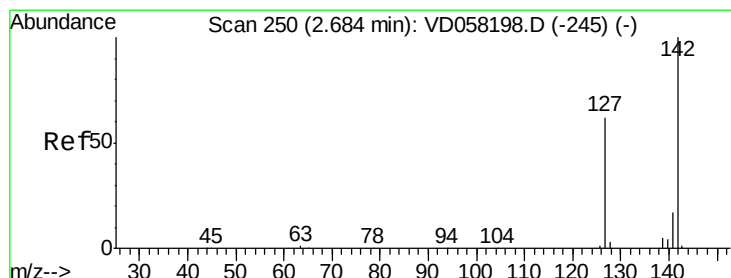
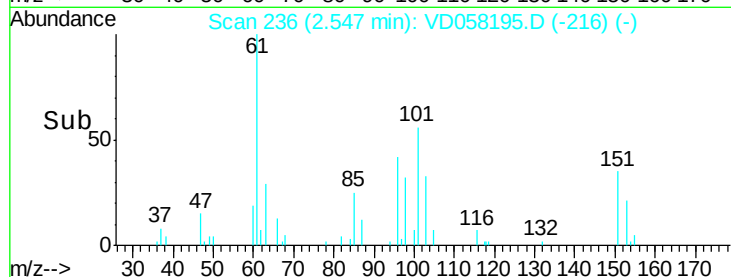
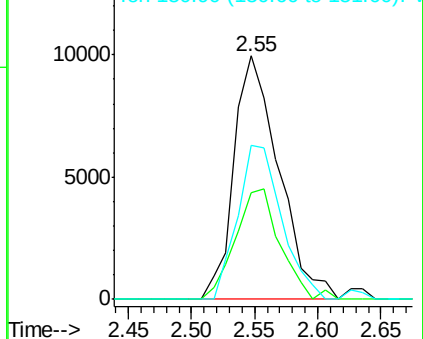
151 63.2 61.8 92.8



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: 3.60 ug/l

RT: 2.68 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

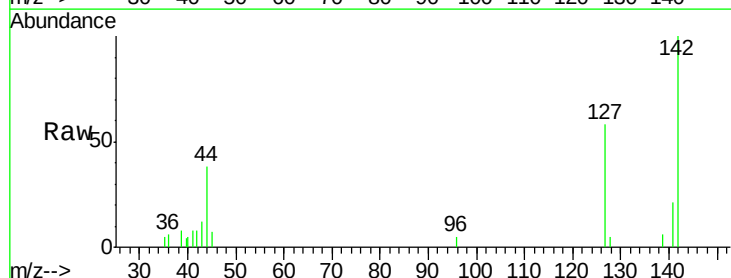
Tgt Ion:142 Resp: 23297

Ion Ratio Lower Upper

142 100

127 57.7 49.4 74.0

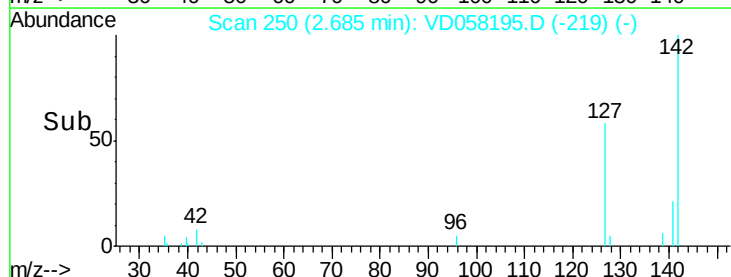
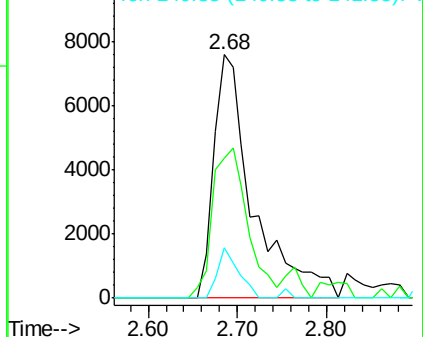
141 20.9 13.5 20.3#

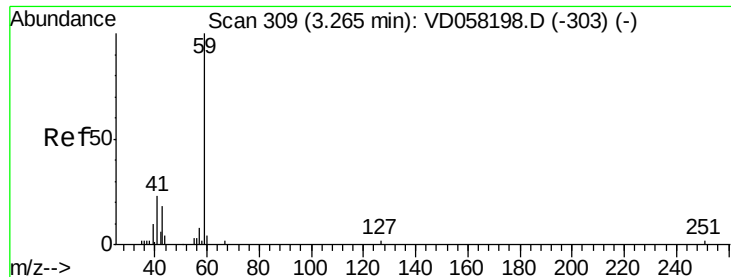


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



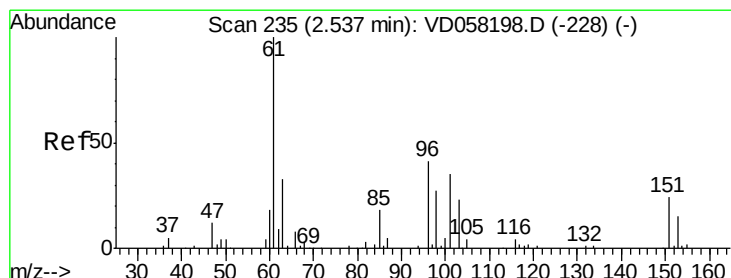
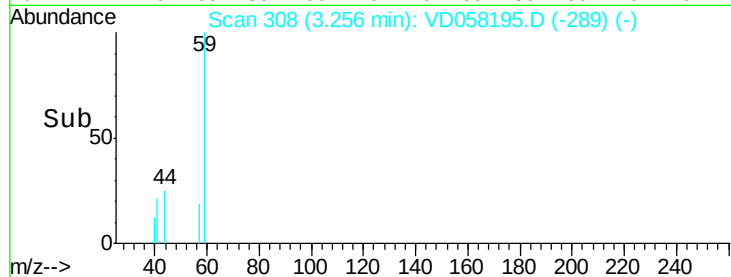
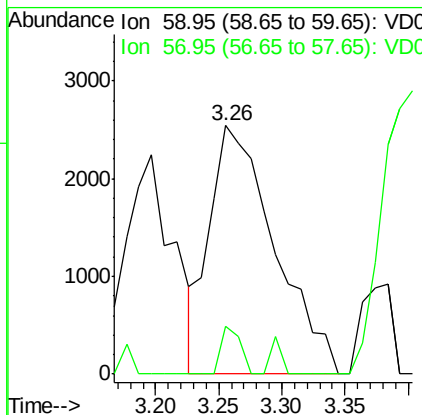
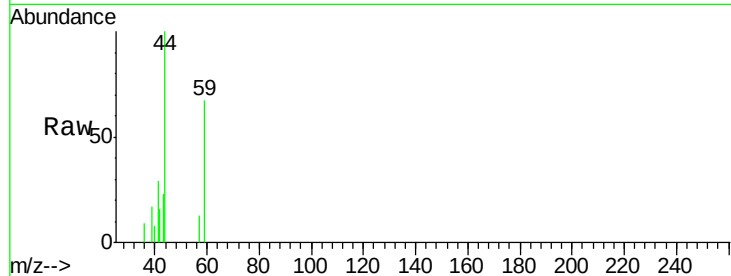


#11

Tert butyl alcohol
 Concen: 33.32 ug/l
 RT: 3.26 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

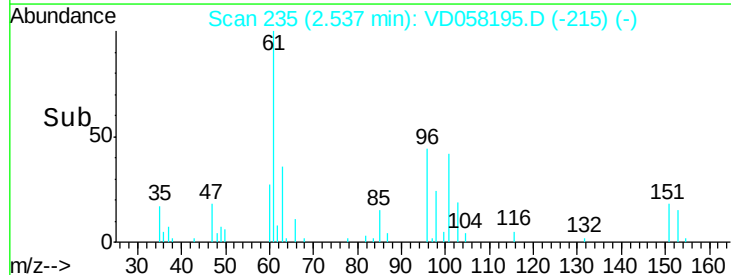
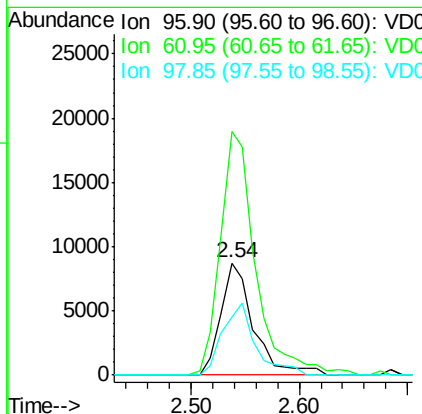
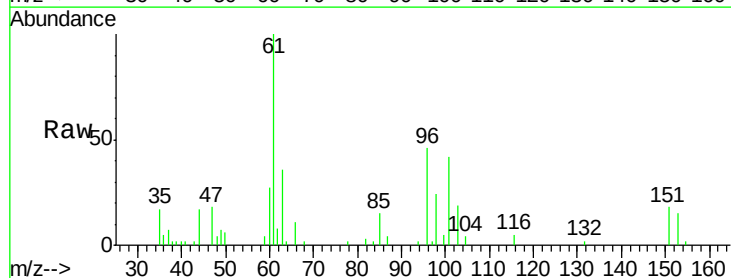
Tot Ion: 59 Resp: 9115
 Ion Ratio Lower Upper
 59 100
 57 19.2 6.2 9.4#

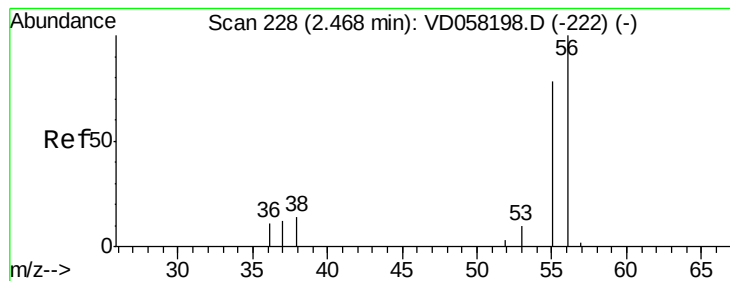


#12

1,1-Dichloroethene
 Concen: 4.74 ug/l
 RT: 2.54 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion: 96 Resp: 18361
 Ion Ratio Lower Upper
 96 100
 61 216.7 193.9 290.9
 98 52.1 51.7 77.5





#13

Acrolein

Concen: 16.72 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

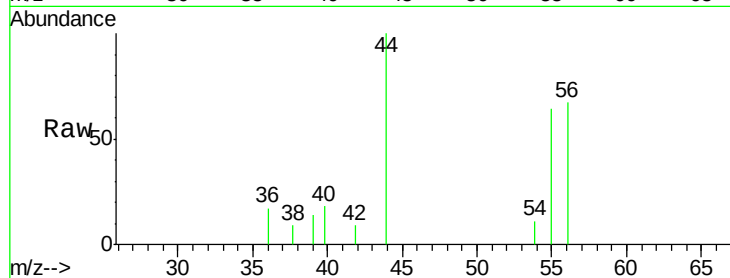
VSTDIC005

Tot Ion: 56 Resp: 5737

Ion Ratio Lower Upper

56 100

55 95.1 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

2500

2000

1500

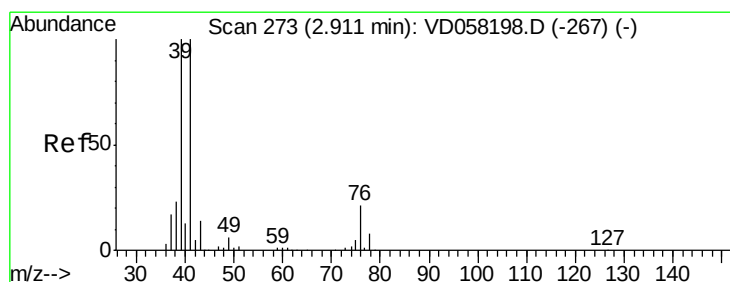
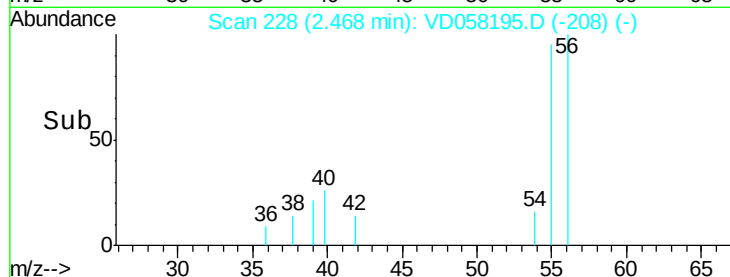
1000

500

0

Time-->

2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 4.52 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

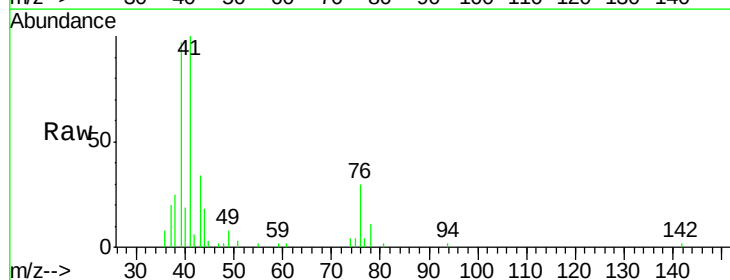
Tgt Ion: 41 Resp: 40934

Ion Ratio Lower Upper

41 100

39 97.0 80.1 120.1

76 29.5 19.4 29.2#



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

2.92

20000

15000

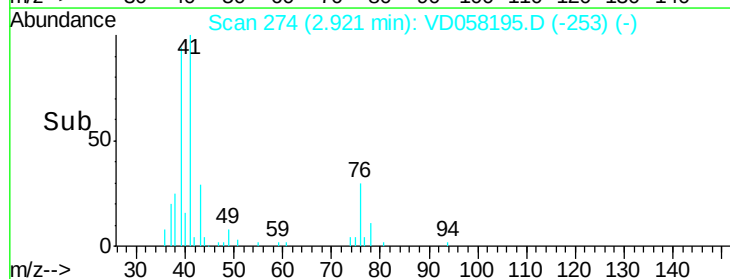
10000

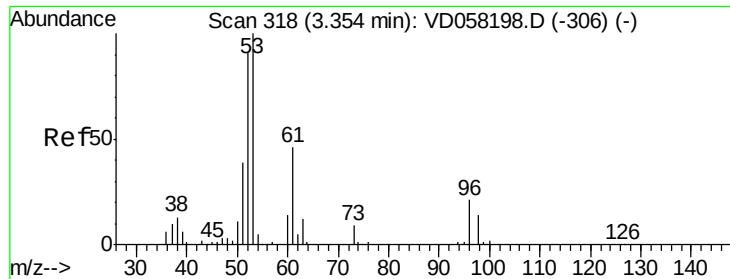
5000

0

Time-->

2.80 2.85 2.90 2.95 3.00





#15

Acrylonitrile

Concen: 15.26 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

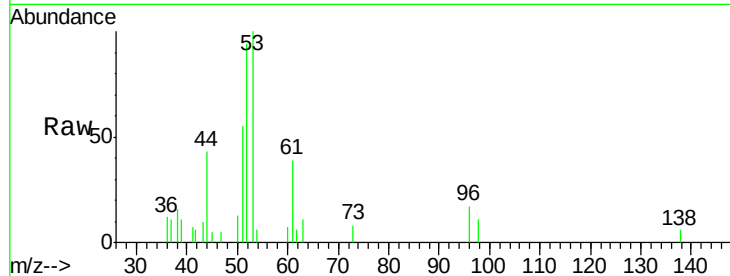
Tot Ion: 53 Resp: 22299

Ion Ratio Lower Upper

53 100

52 94.4 72.6 108.8

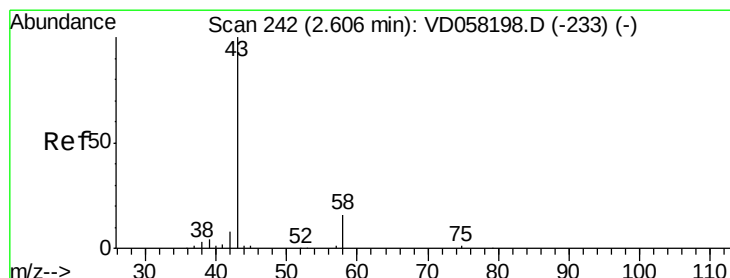
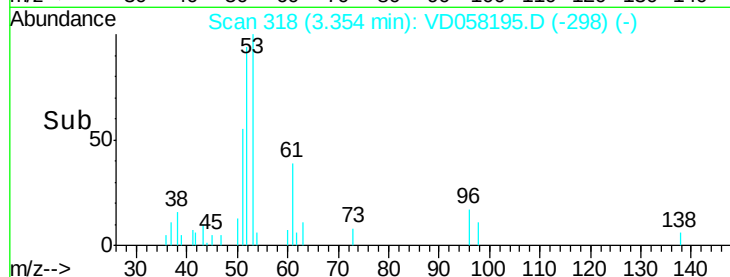
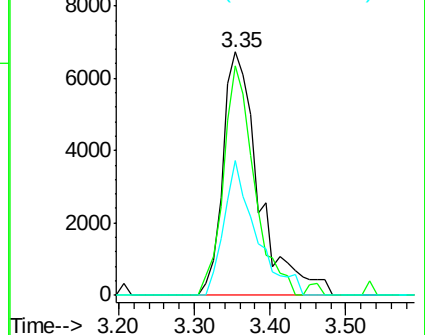
51 55.1 32.2 48.4#



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: 26.18 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058195.D

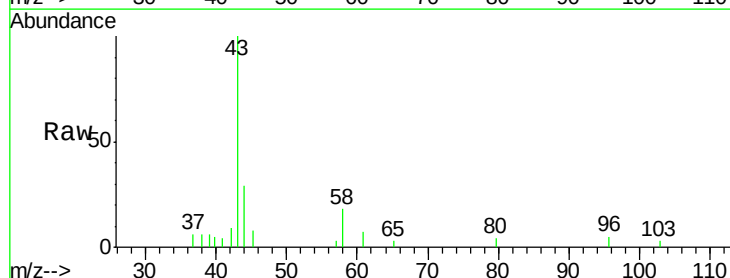
Acq: 19 Jun 2018 15:34

Tgt Ion: 43 Resp: 37614

Ion Ratio Lower Upper

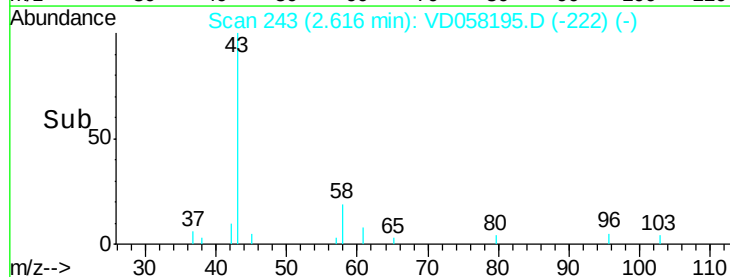
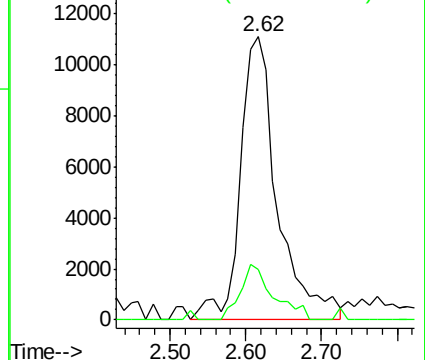
43 100

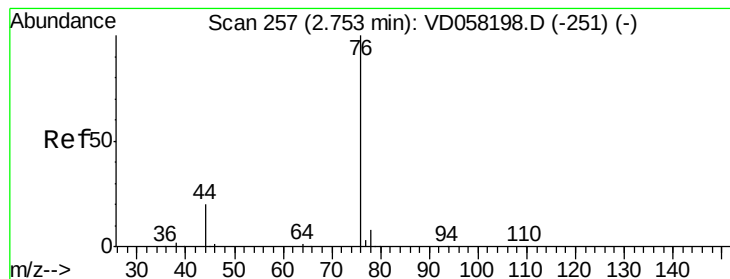
58 17.6 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 4.55 ug/l

RT: 2.75 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

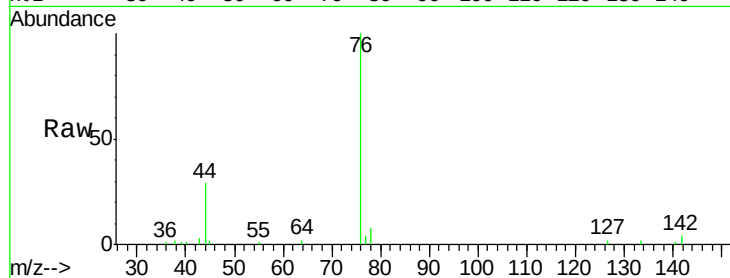
VSTDIC005

Tot Ion: 76 Resp: 63223

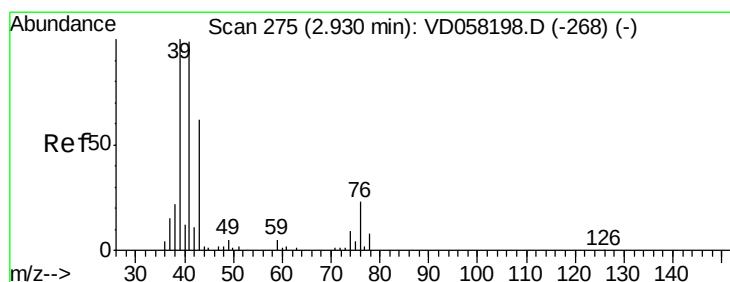
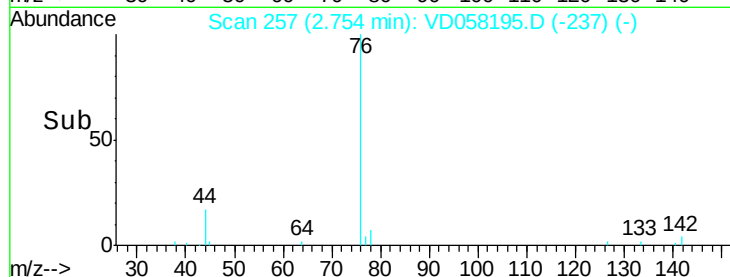
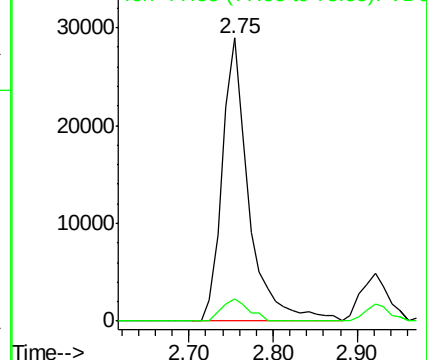
Ion Ratio Lower Upper

76 100

78 8.0 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 6.38 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058195.D

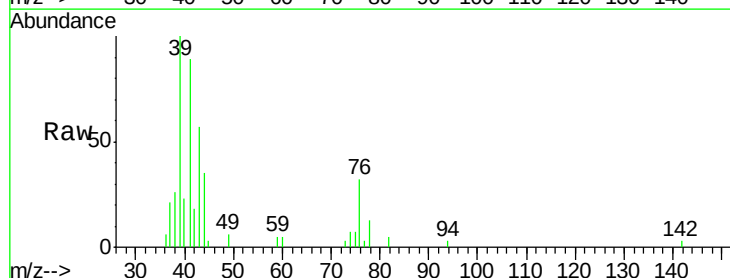
Acq: 19 Jun 2018 15:34

Tgt Ion: 43 Resp: 18175

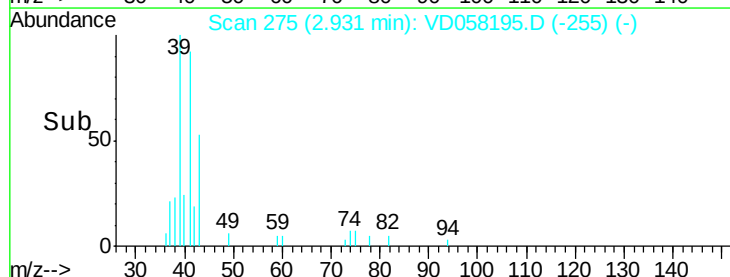
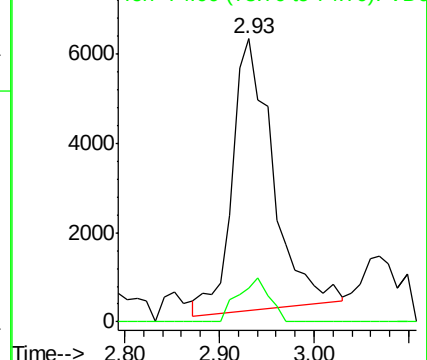
Ion Ratio Lower Upper

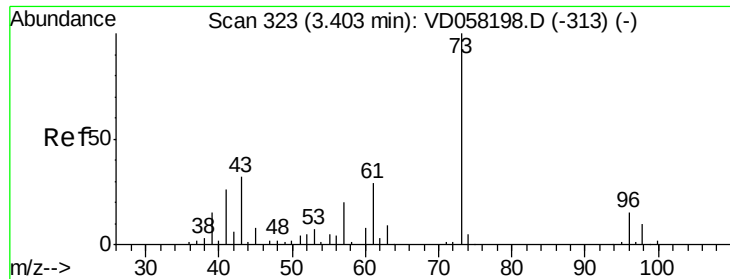
43 100

74 11.9 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

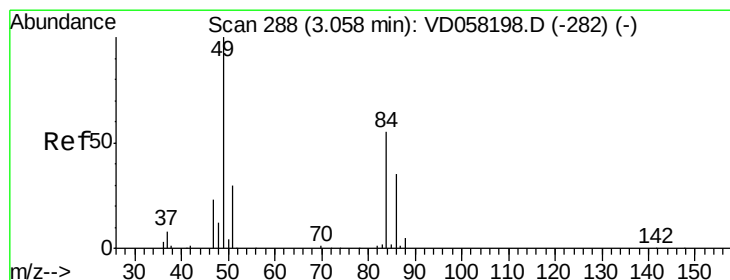
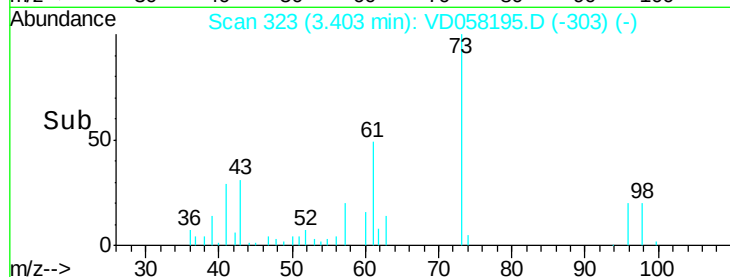
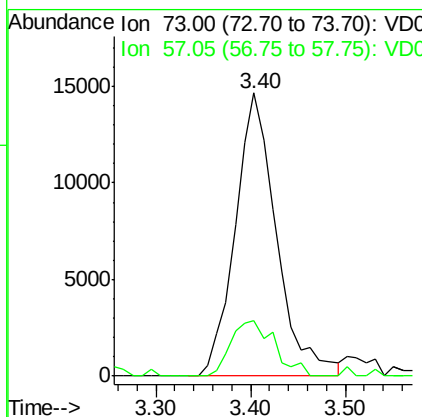
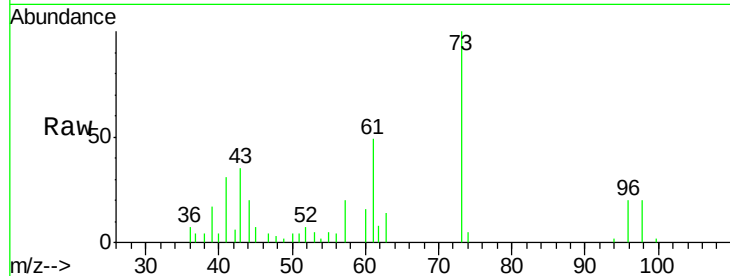




#19
Methyl tert-butyl Ether
Concen: 2.74 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

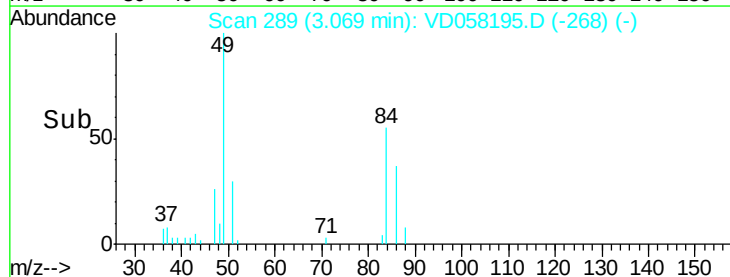
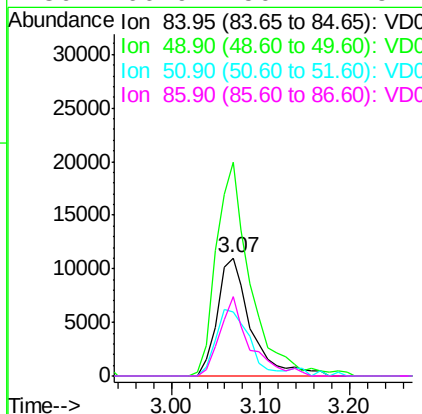
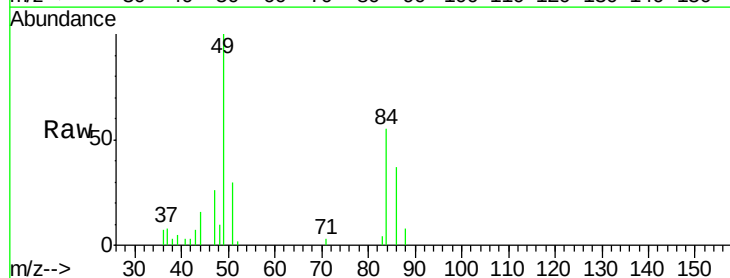
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

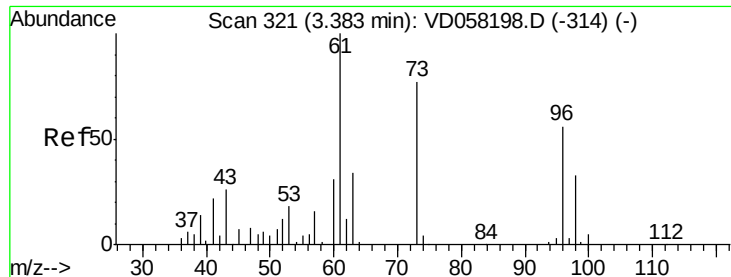
Tot Ion: 73 Resp: 44264
Ion Ratio Lower Upper
73 100
57 19.8 16.6 24.8



#20
Methylene Chloride
Concen: 5.96 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 84 Resp: 28740
Ion Ratio Lower Upper
84 100
49 180.8 145.0 217.6
51 53.9 42.9 64.3
86 66.9 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 2.48 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

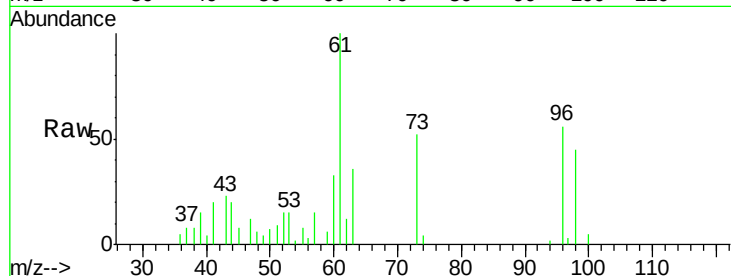
Tot Ion: 96 Resp: 19790

Ion Ratio Lower Upper

96 100

61 179.8 143.8 215.6

98 80.5 48.0 72.0#

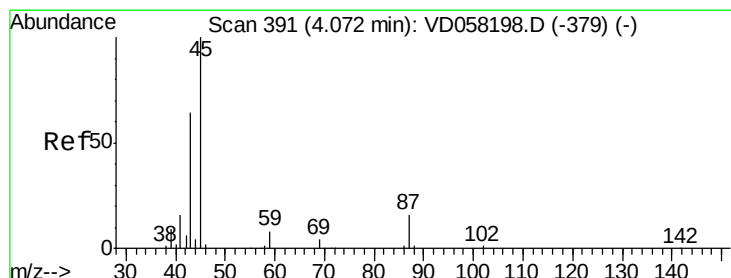
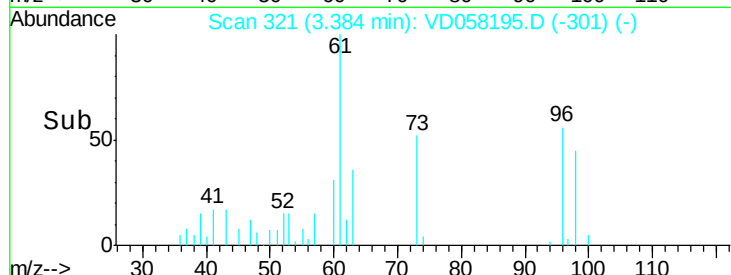
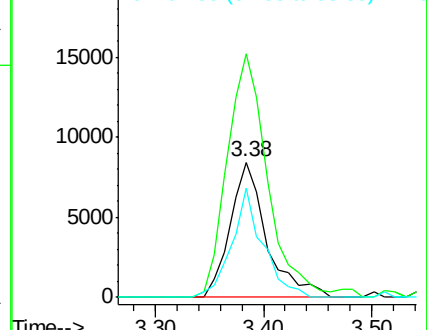


Abundance

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: 4.73 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Tgt Ion: 45 Resp: 167917

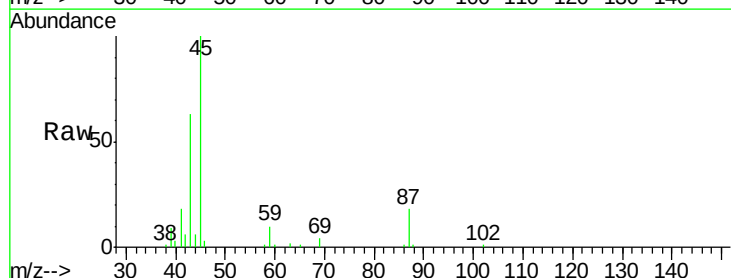
Ion Ratio Lower Upper

45 100

43 62.9 51.4 77.0

87 18.5 13.0 19.4

59 10.2 6.9 10.3



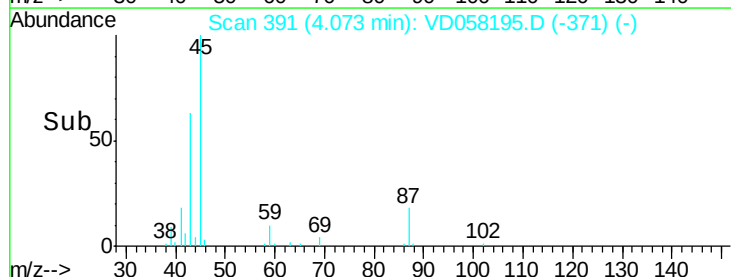
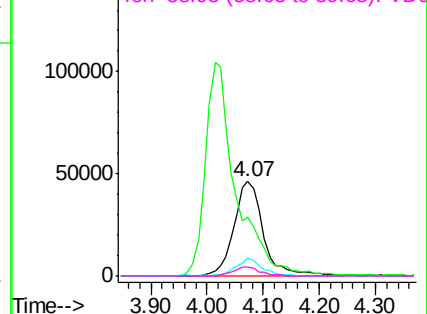
Abundance

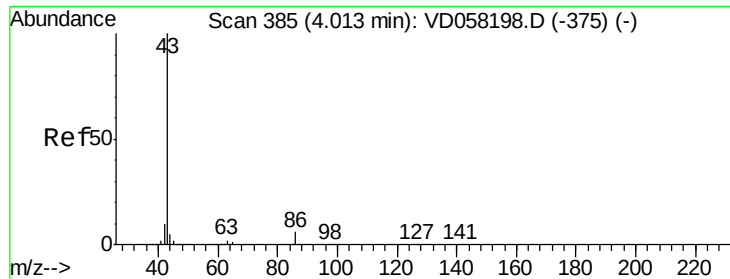
Ion 45.05 (44.75 to 45.75): VDC

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: 21.17 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

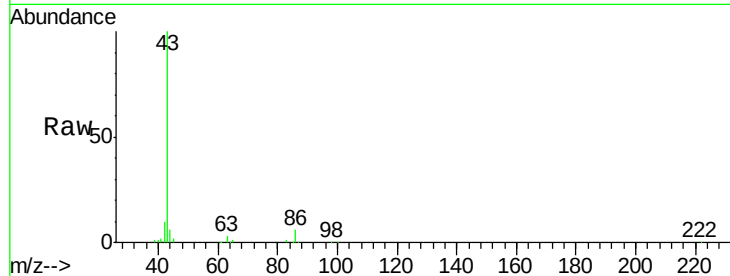
VSTDIC005

Tot Ion: 43 Resp: 392123

Ion Ratio Lower Upper

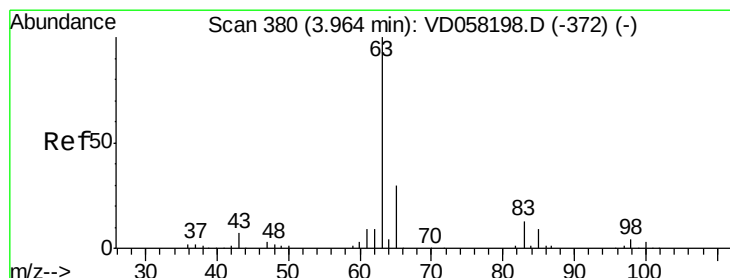
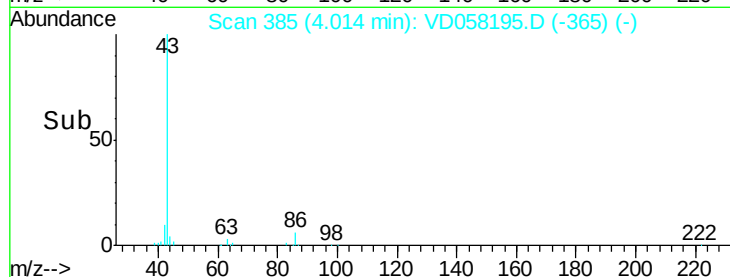
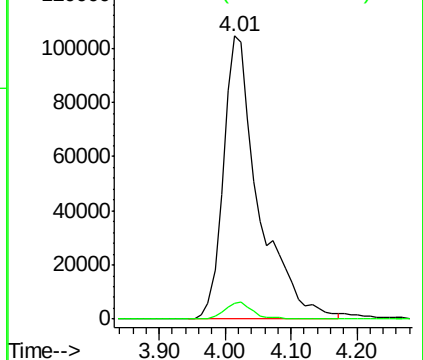
43 100

86 5.6 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.55 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

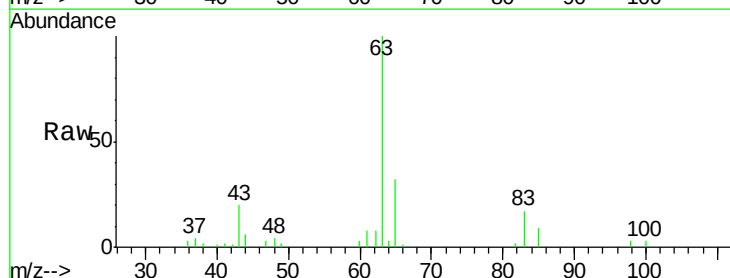
Tgt Ion: 63 Resp: 88897

Ion Ratio Lower Upper

63 100

98 3.3 1.9 5.7

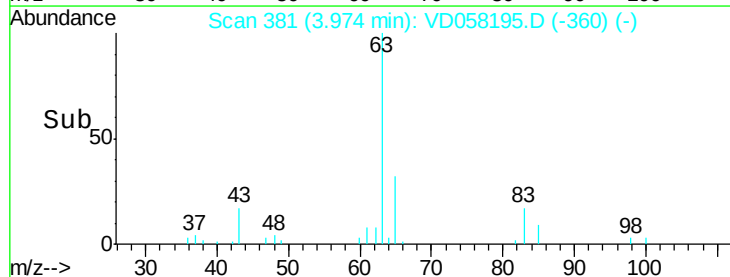
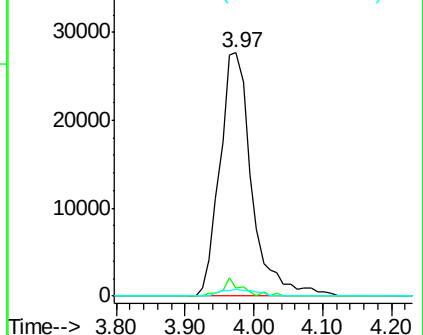
100 2.7 1.3 3.9

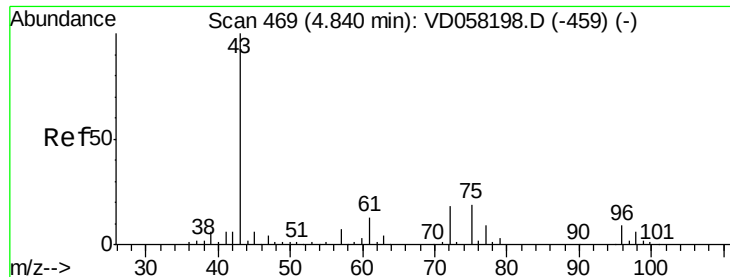


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 25.38 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

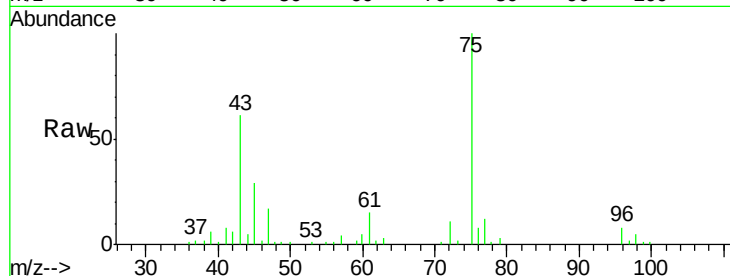
VSTDIC005

Tot Ion: 43 Resp: 81847

Ion Ratio Lower Upper

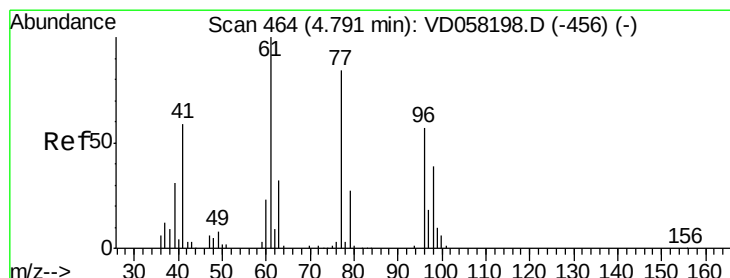
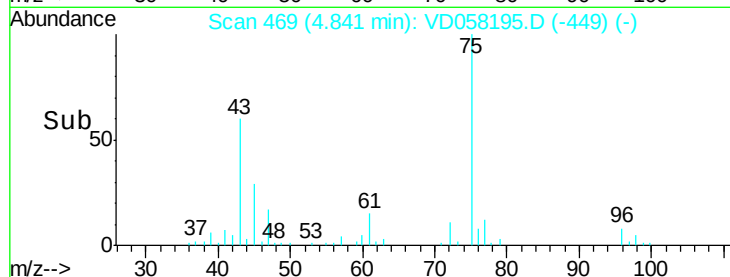
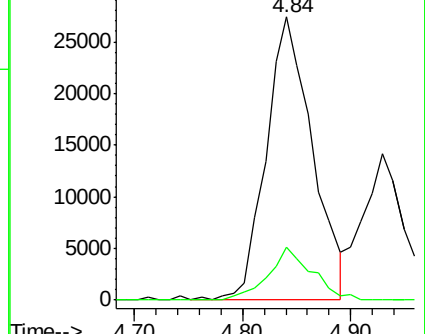
43 100

72 18.6 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 5.07 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058195.D

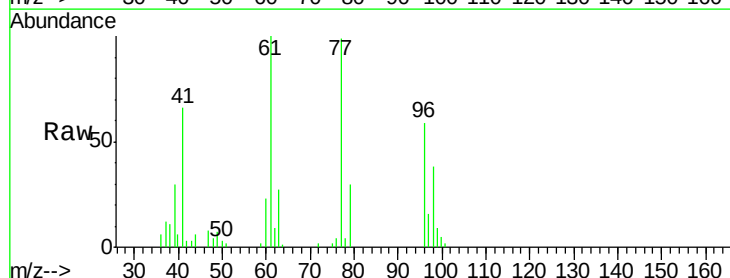
Acq: 19 Jun 2018 15:34

Tgt Ion: 77 Resp: 81454

Ion Ratio Lower Upper

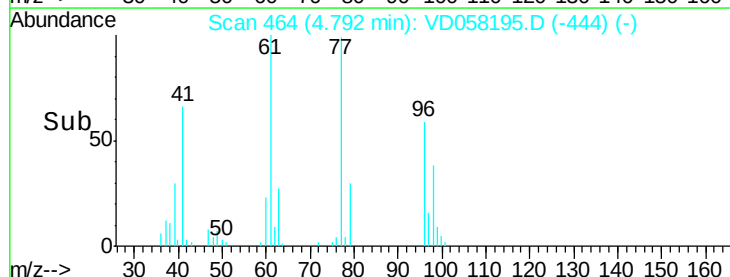
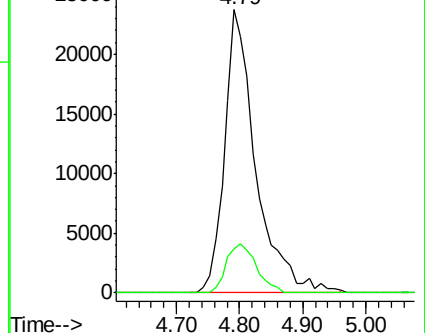
77 100

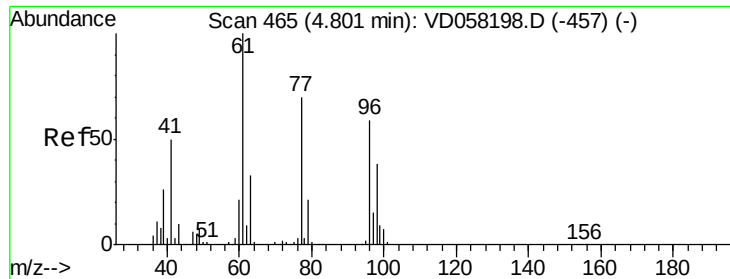
97 15.8 10.5 31.6



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: 4.80 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

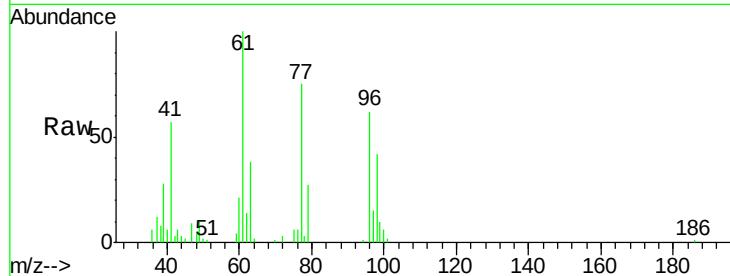
Tot Ion: 96 Resp: 49563

Ion Ratio Lower Upper

96 100

61 160.9 0.0 338.6

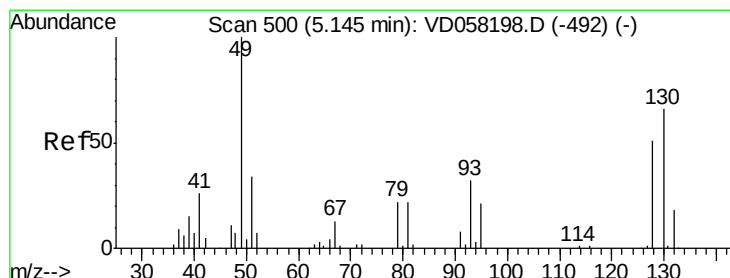
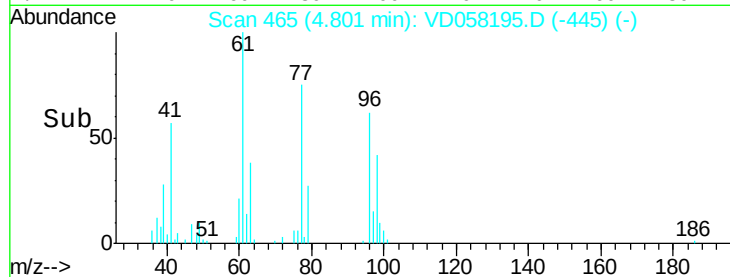
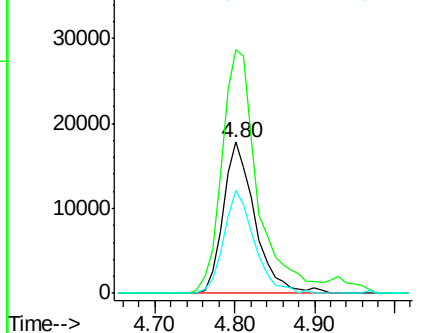
98 68.3 0.0 130.2



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: 4.00 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

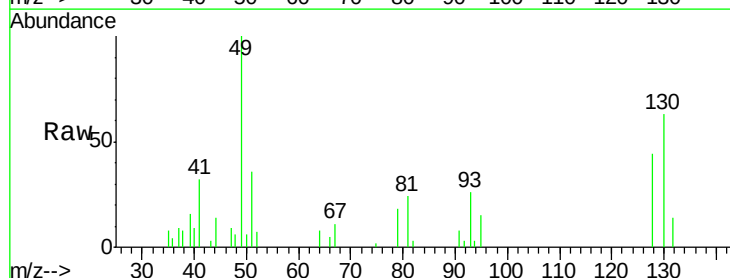
Tgt Ion: 49 Resp: 34219

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.0

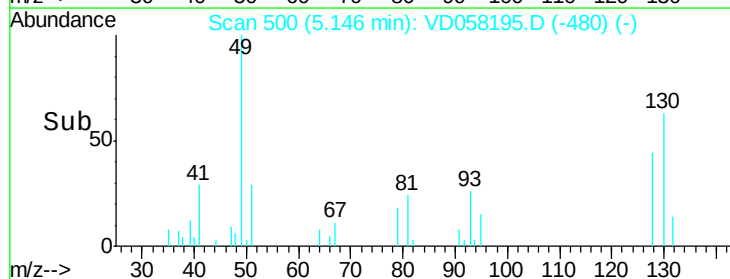
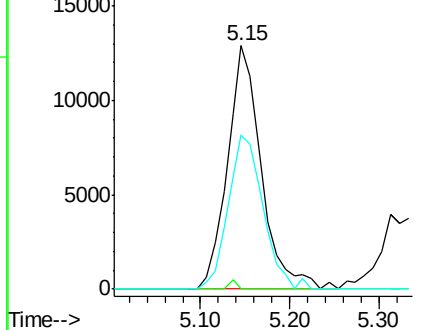
130 63.1 52.6 79.0

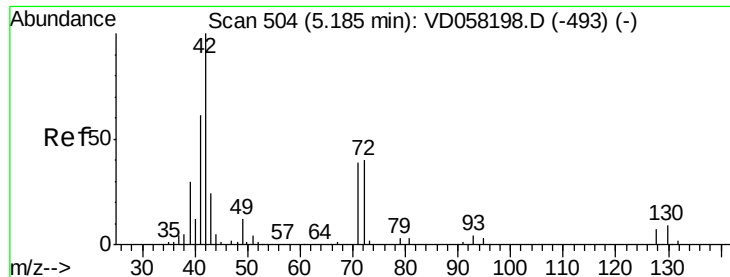


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 25.65 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

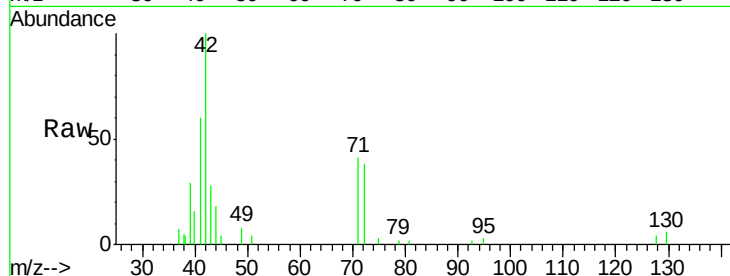
Tot Ion: 42 Resp: 43916

Ion Ratio Lower Upper

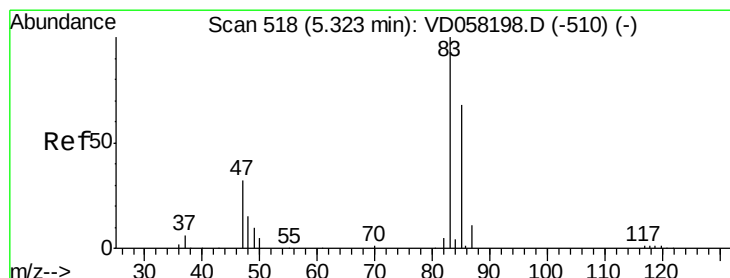
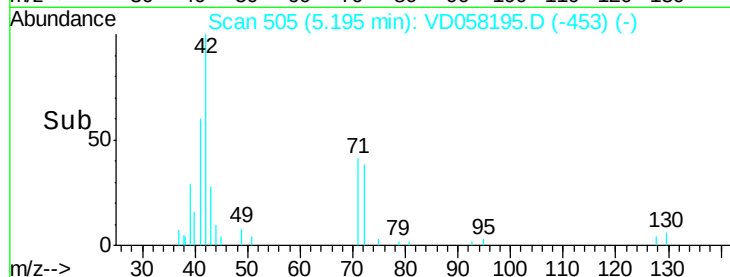
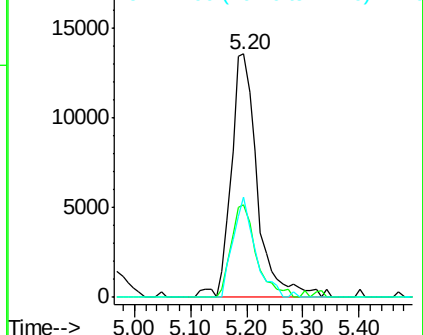
42 100

72 36.4 30.2 45.2

71 34.4 30.1 45.1



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: 4.75 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD058195.D

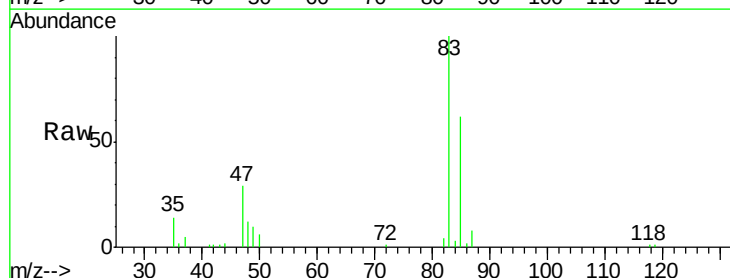
Acq: 19 Jun 2018 15:34

Tgt Ion: 83 Resp: 93911

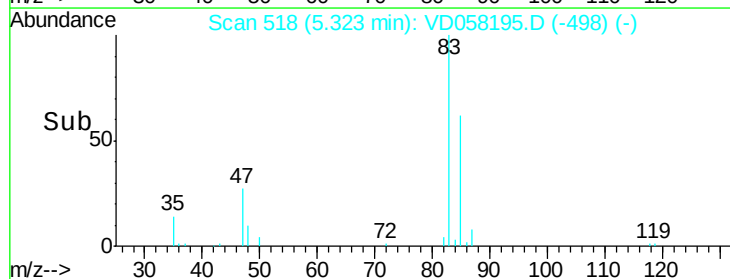
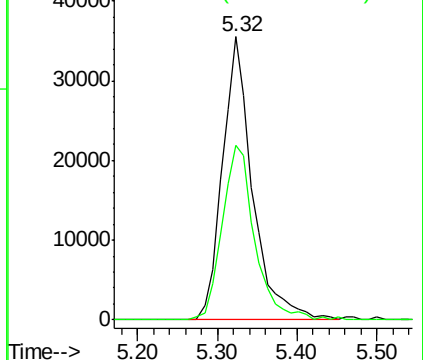
Ion Ratio Lower Upper

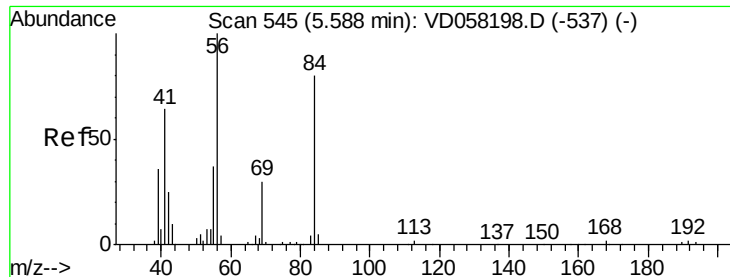
83 100

85 61.7 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

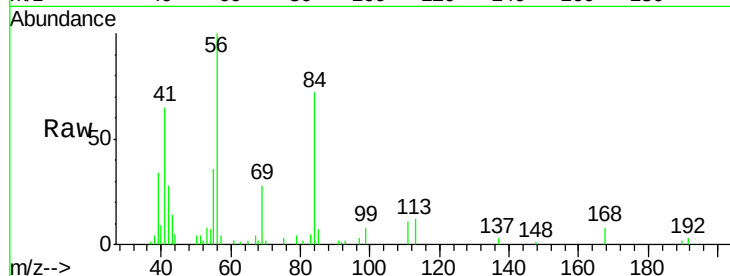




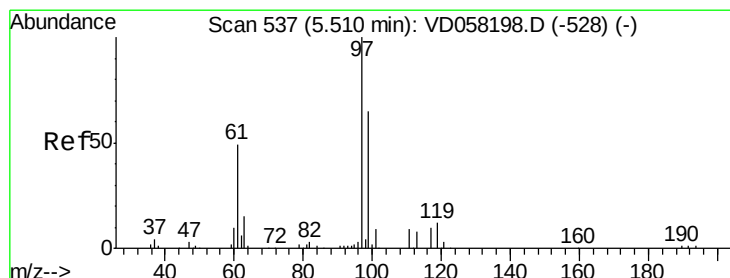
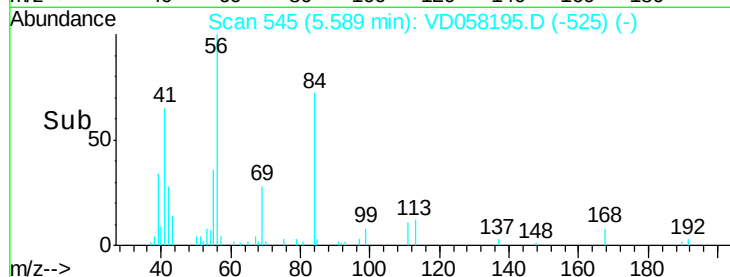
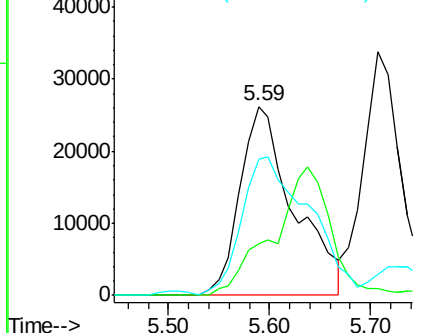
#31
Cyclohexane
Concen: 5.77 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 97484
Ion Ratio Lower Upper
56 100
69 27.5 23.6 35.4
84 72.4 65.2 97.8

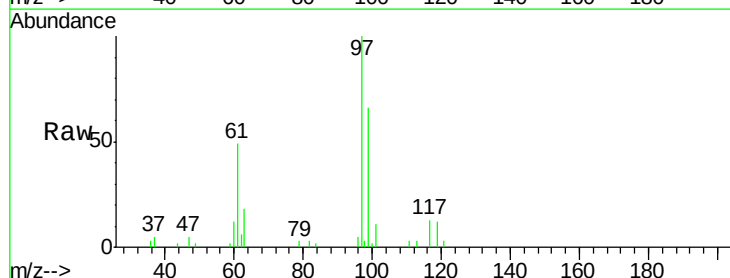


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

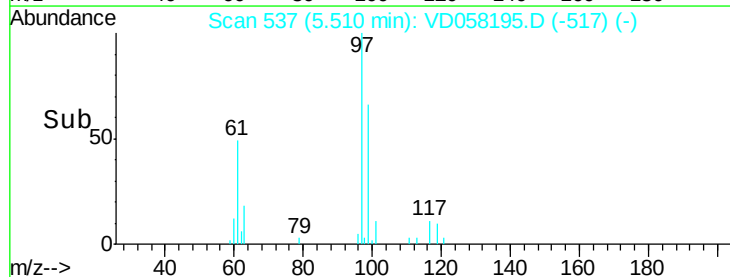
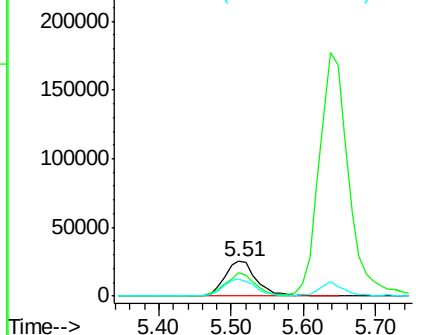


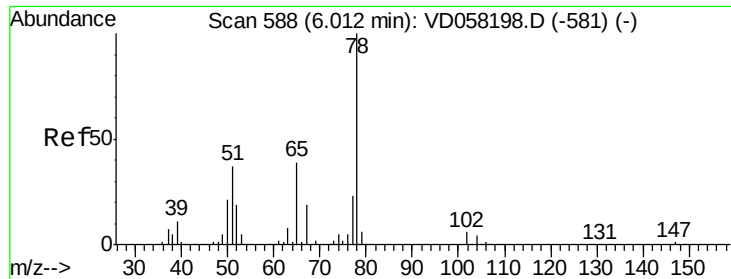
#32
1,1,1-Trichloroethane
Concen: 4.79 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 97 Resp: 79389
Ion Ratio Lower Upper
97 100
99 66.5 52.2 78.4
61 49.4 39.0 58.4



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

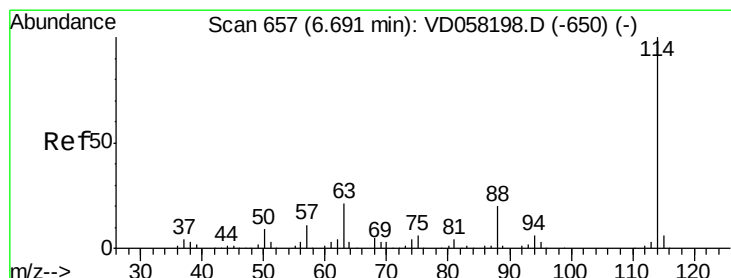
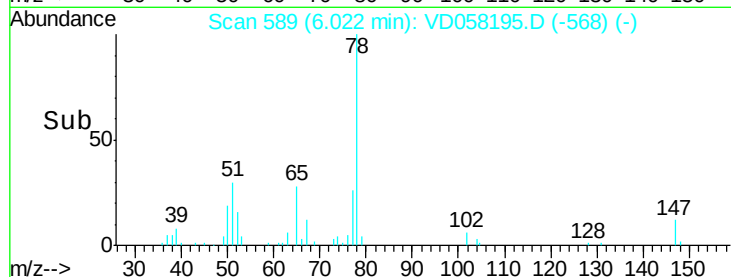
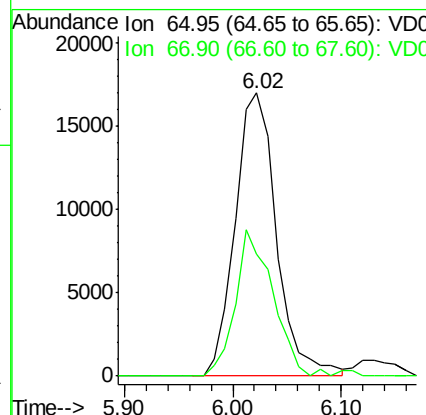
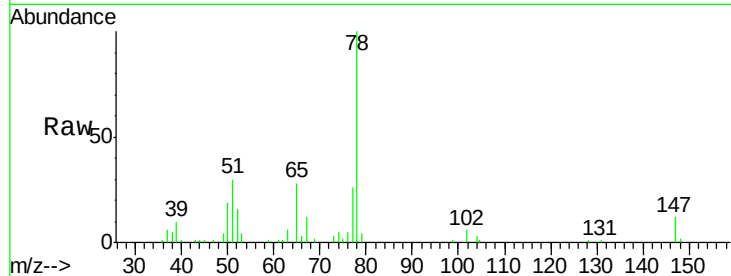




#33
 1,2-Dichloroethane-d4
 Concen: 4.79 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

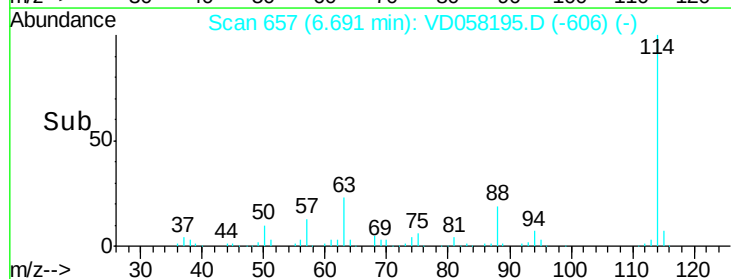
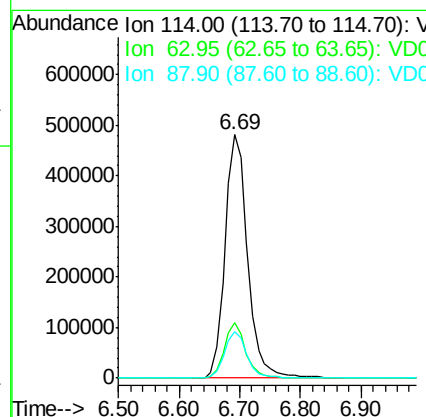
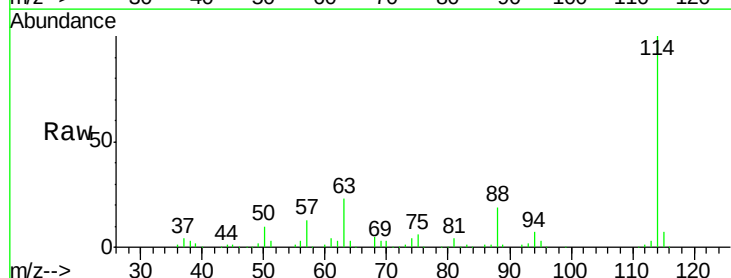
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

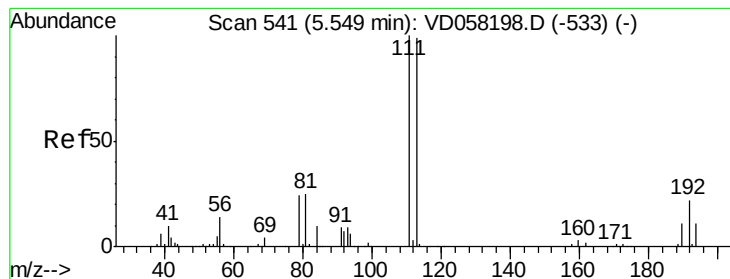
Tot Ion: 65 Resp: 45047
 Ion Ratio Lower Upper
 65 100
 67 43.3 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion: 114 Resp: 1245670
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 42.6
 88 19.2 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

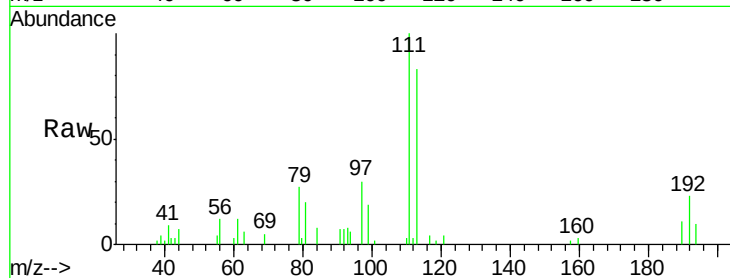
Tot Ion:113 Resp: 47755

Ion Ratio Lower Upper

113 100

111 120.8 80.6 121.0

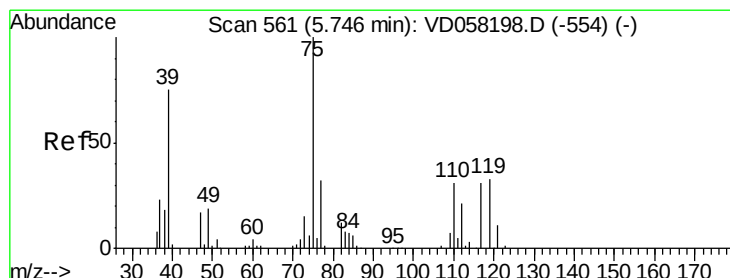
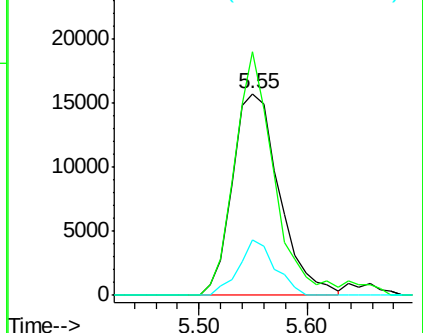
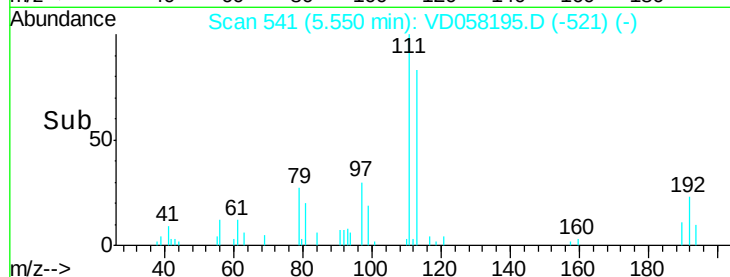
192 27.5 17.8 26.6#



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: 5.32 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

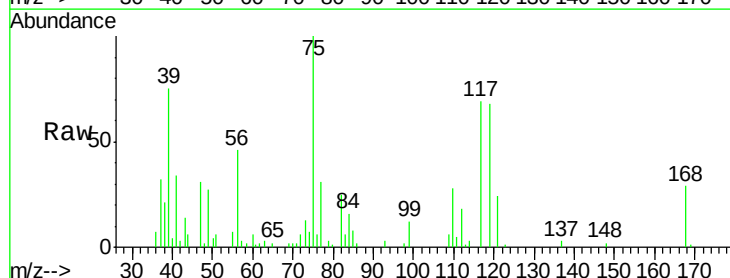
Tgt Ion: 75 Resp: 71532

Ion Ratio Lower Upper

75 100

110 27.5 15.4 46.4

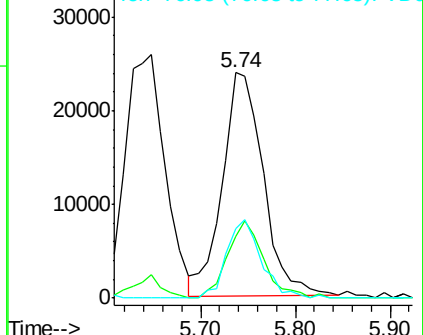
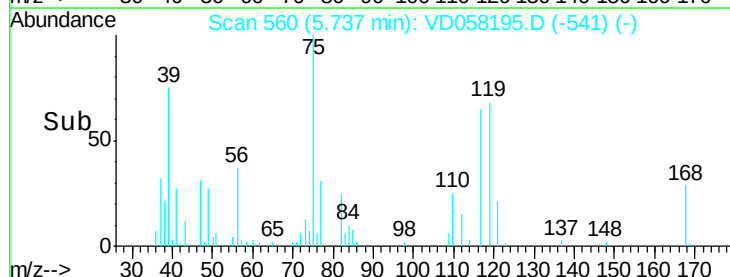
77 30.7 25.4 38.2

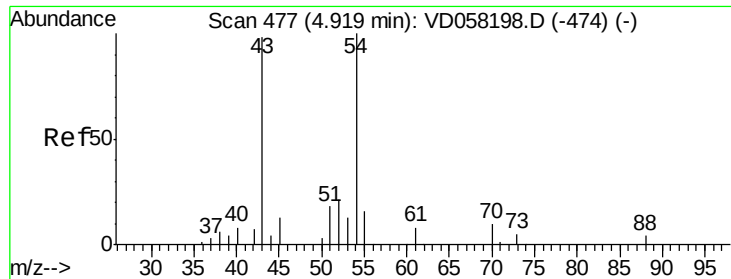


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

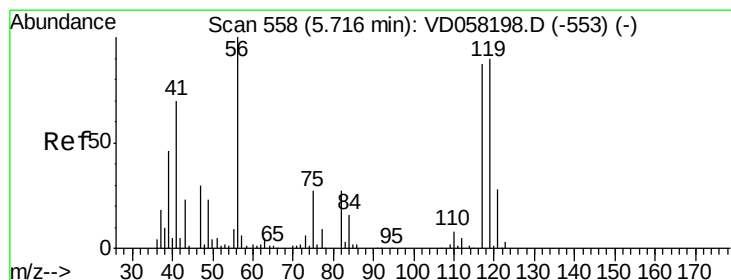
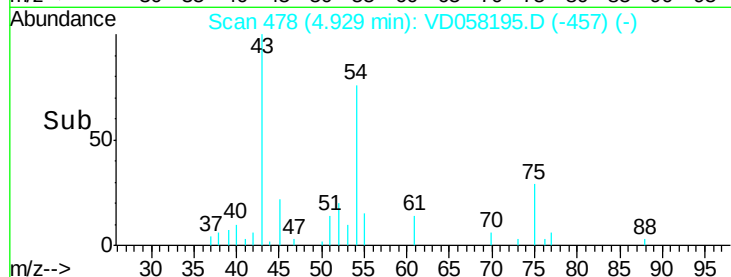
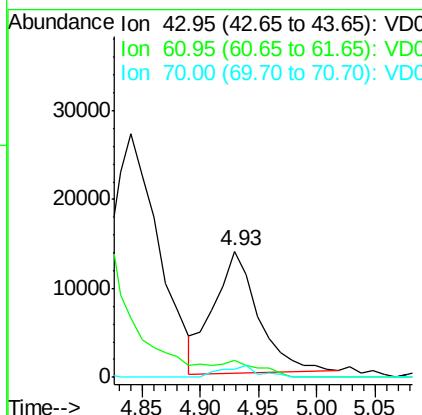
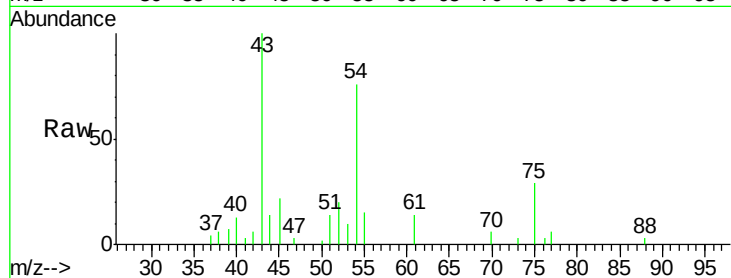




#37
Ethyl Acetate
Concen: 4.86 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

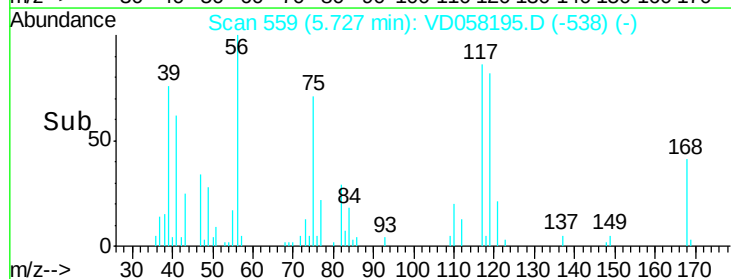
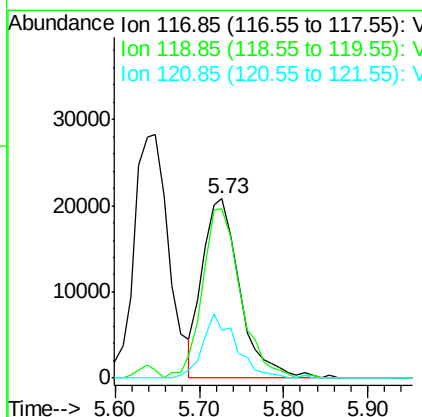
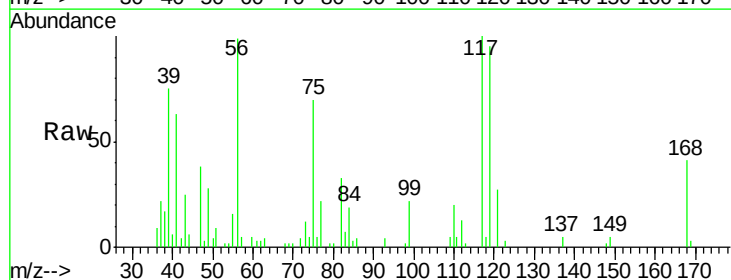
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

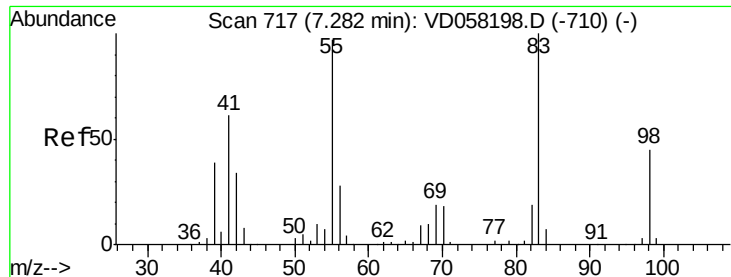
Tot Ion: 43 Resp: 36495
Ion Ratio Lower Upper
43 100
61 13.7 10.3 15.5
70 6.2 5.7 8.5



#38
Carbon Tetrachloride
Concen: 4.83 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 117 Resp: 64270
Ion Ratio Lower Upper
117 100
119 94.6 78.8 118.2
121 26.6 25.0 37.6

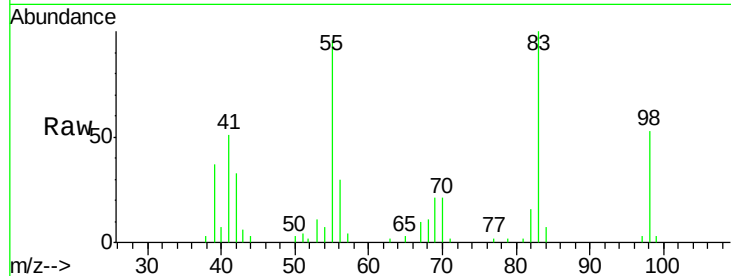




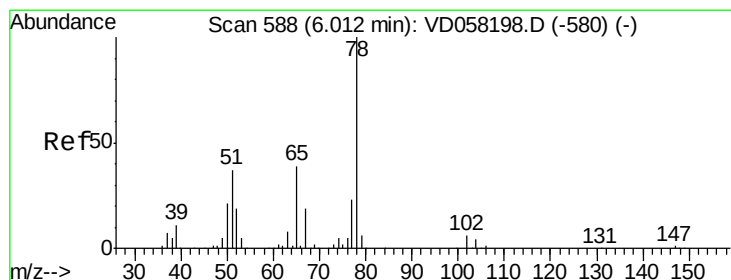
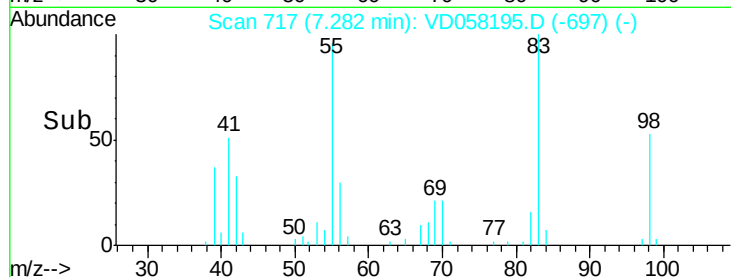
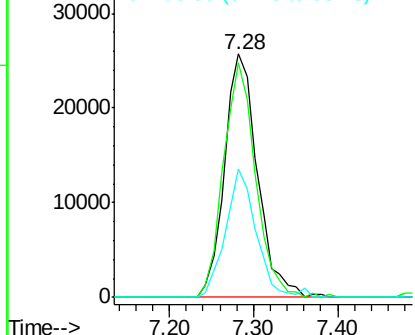
#39
Methylvlcyclohexane
Concen: 5.28 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 69811
Ion Ratio Lower Upper
83 100
55 96.2 77.4 116.2
98 52.6 35.9 53.9

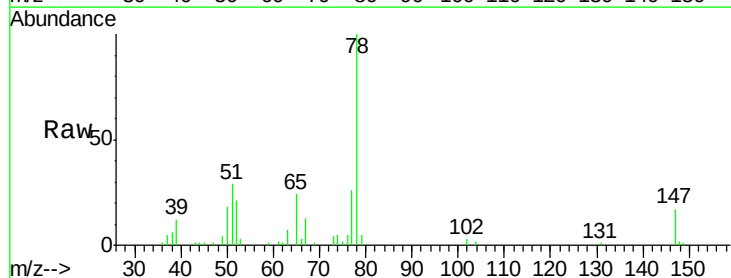


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

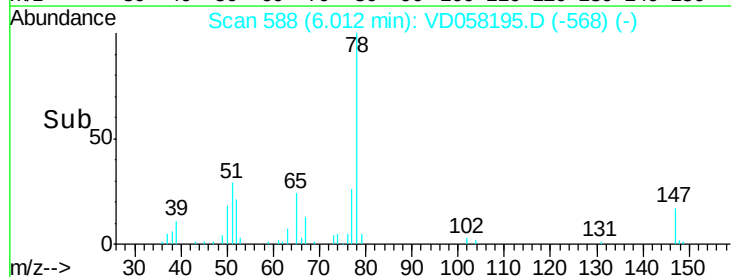
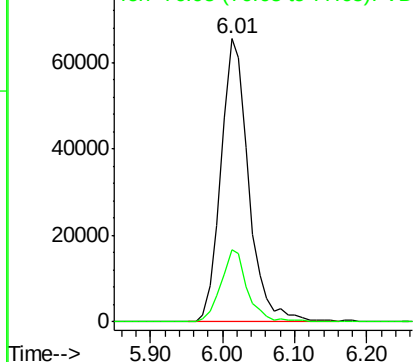


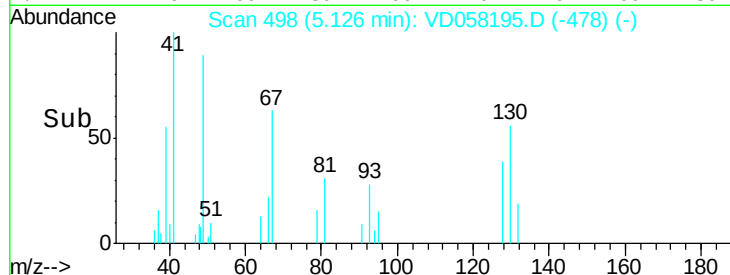
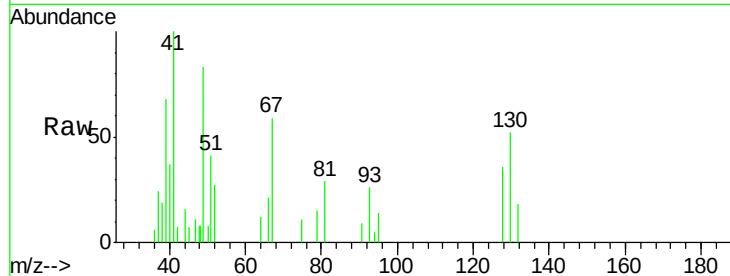
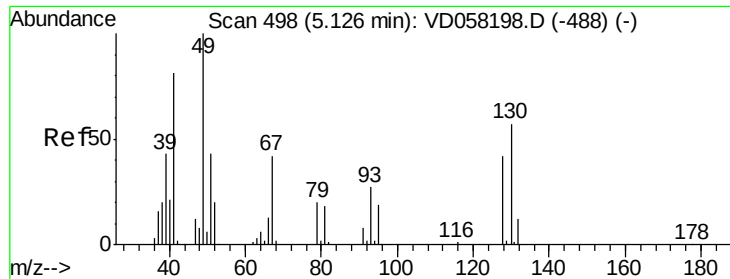
#40
Benzene
Concen: 5.53 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 78 Resp: 173877
Ion Ratio Lower Upper
78 100
77 25.7 18.5 27.7



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

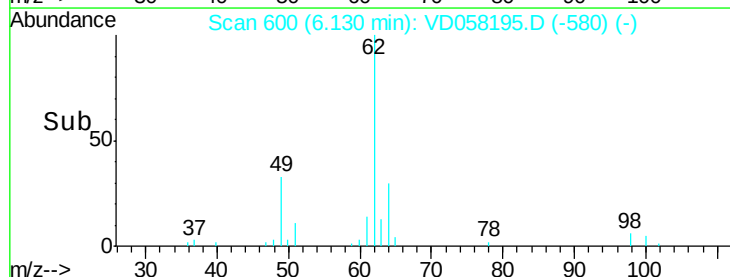
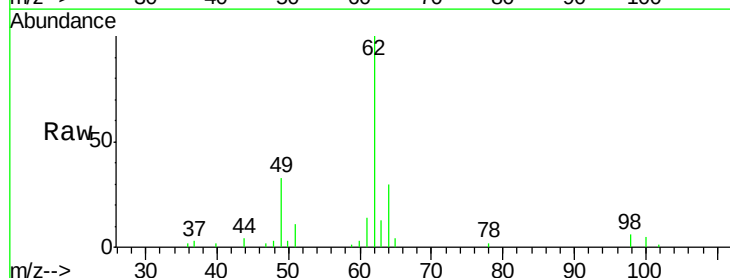
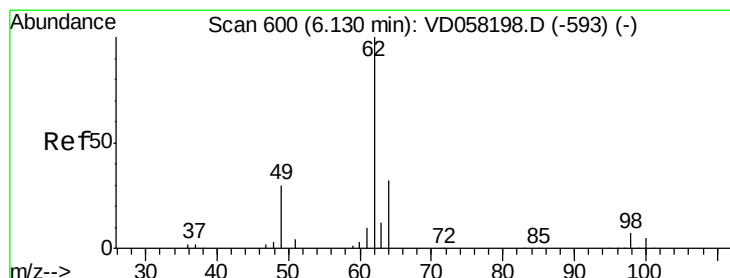
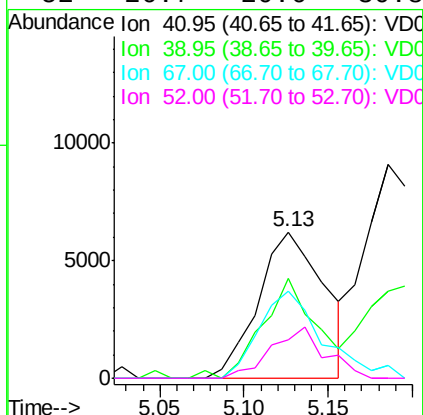




#41
Methacrylonitrile
Concen: 4.94 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

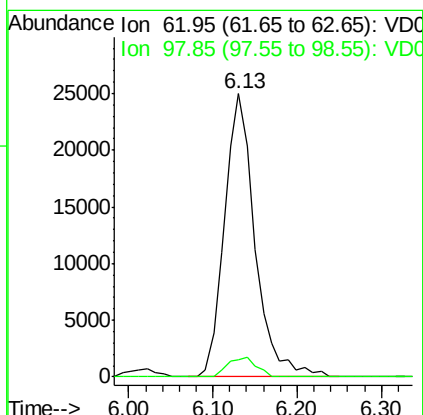
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

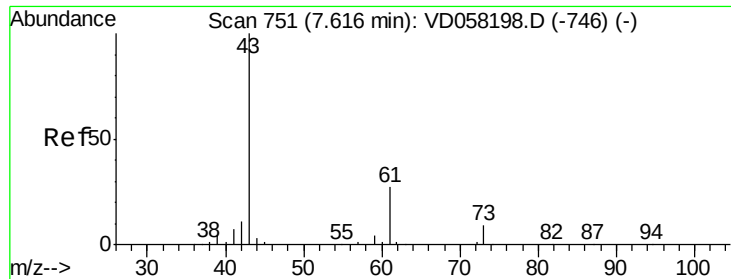
Tot Ion: 41 Resp: 16839
Ion Ratio Lower Upper
41 100
39 68.4 43.4 65.2#
67 59.2 41.7 62.5
52 26.7 20.6 30.8



#42
1,2-Dichloroethane
Concen: 4.93 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 62 Resp: 62832
Ion Ratio Lower Upper
62 100
98 6.0 0.0 13.2





#43

Isopropyl Acetate

Concen: 4.72 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

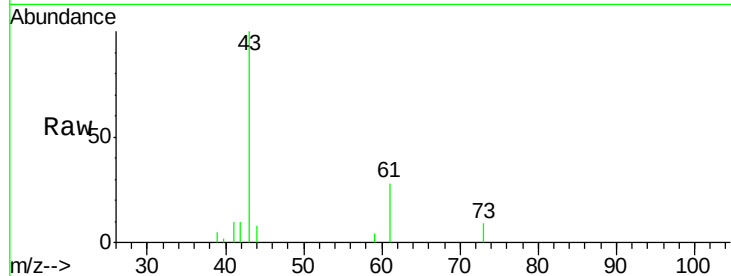
Tot Ion: 43 Resp: 46424

Ion Ratio Lower Upper

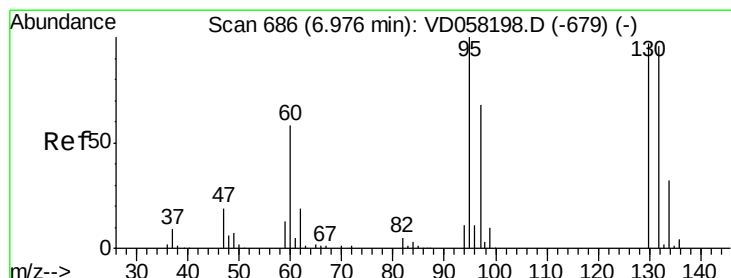
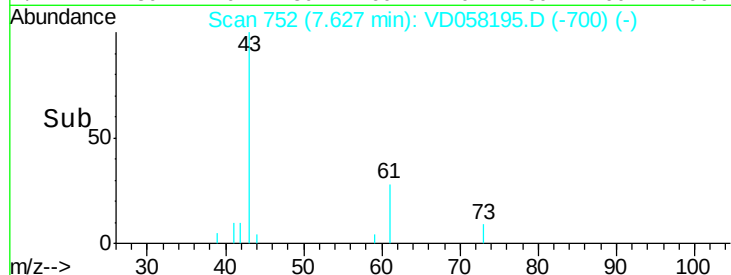
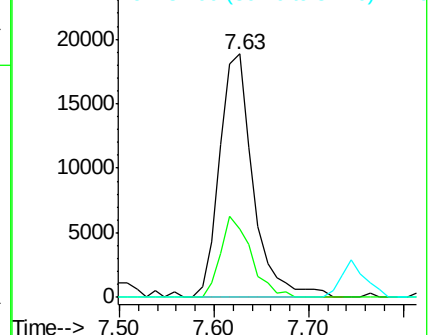
43 100

61 28.1 21.8 32.6

87 0.0 0.3 0.5#



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: 5.30 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058195.D

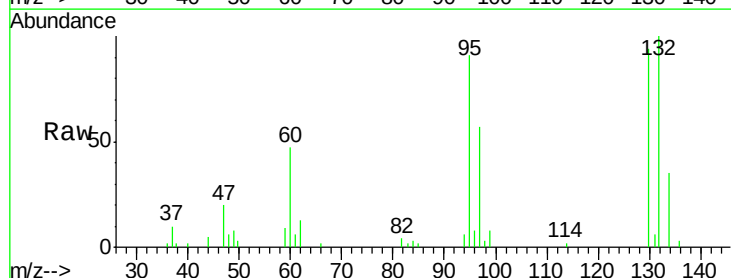
Acq: 19 Jun 2018 15:34

Tgt Ion: 130 Resp: 48677

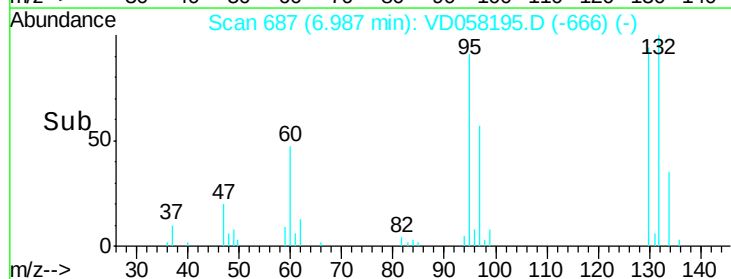
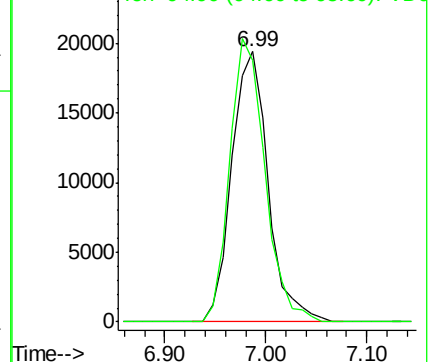
Ion Ratio Lower Upper

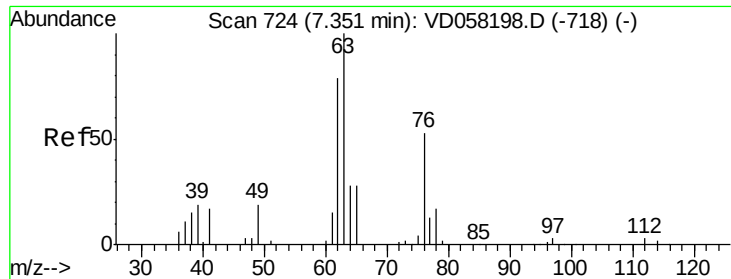
130 100

95 96.9 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.01 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

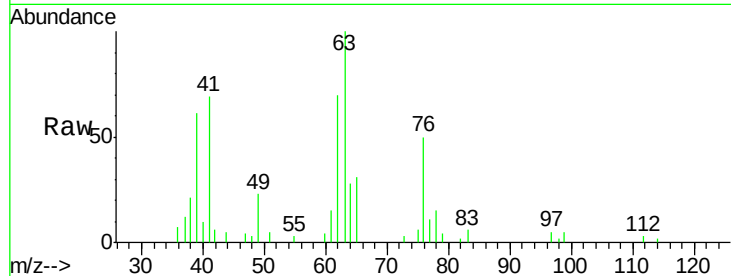
VSTDIC005

Tot Ion: 63 Resp: 43796

Ion Ratio Lower Upper

63 100

65 31.5 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.35

20000

15000

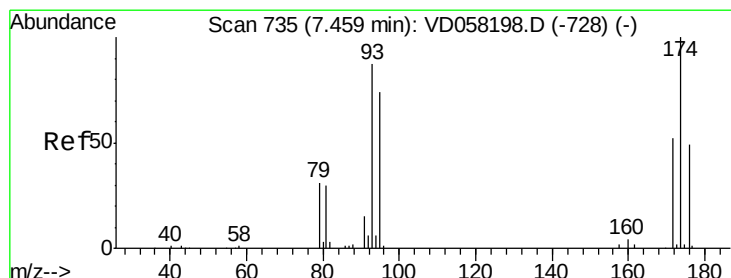
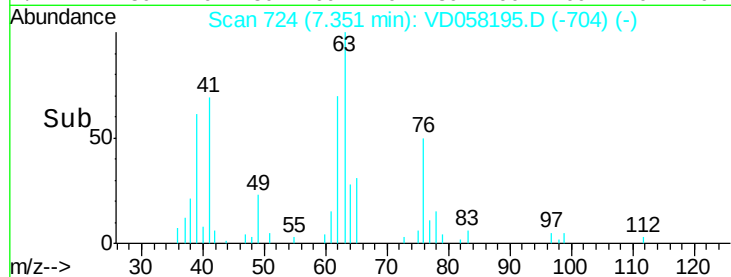
10000

5000

0

Time-->

7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 4.62 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

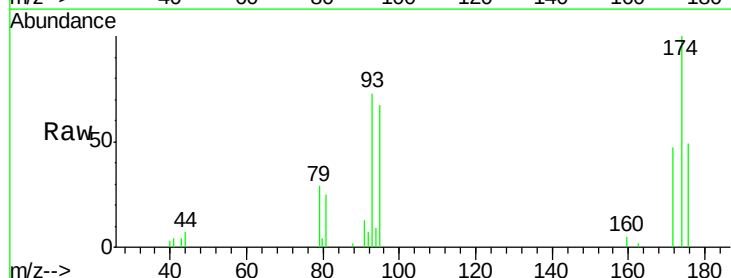
Tgt Ion: 93 Resp: 26308

Ion Ratio Lower Upper

93 100

95 91.3 67.8 101.6

174 136.5 92.2 138.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

15000

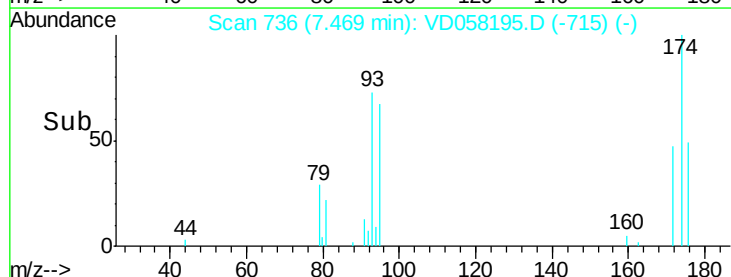
10000

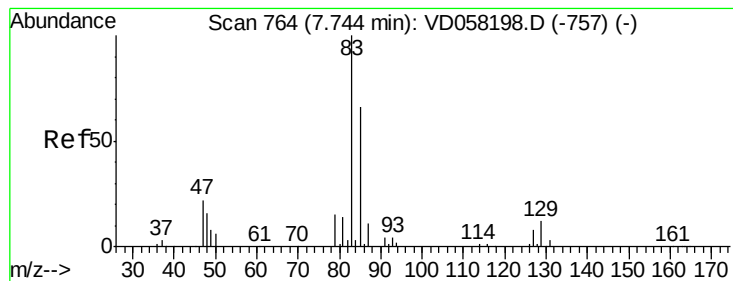
5000

0

Time-->

7.40 7.45 7.50 7.55





#47

Bromodichloromethane

Concen: 4.83 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

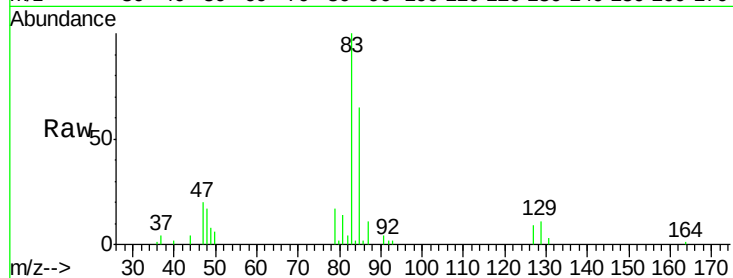
Tot Ion: 83 Resp: 63454

Ion Ratio Lower Upper

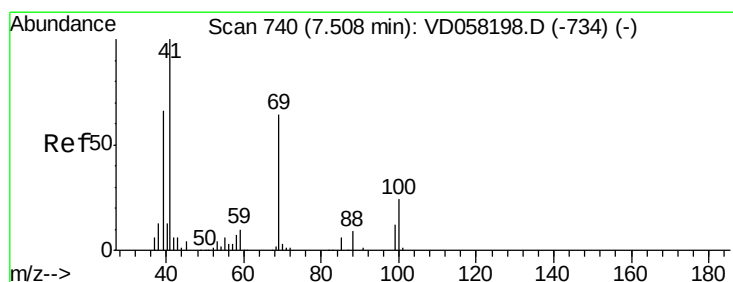
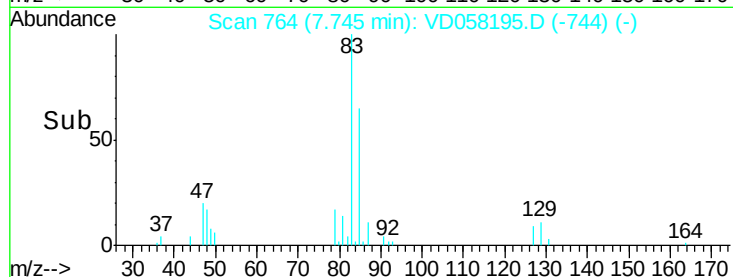
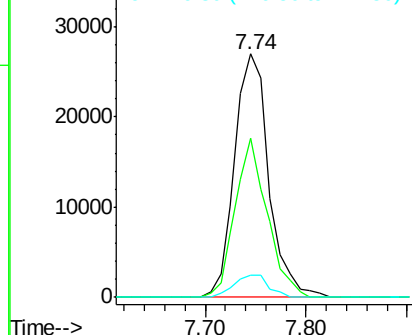
83 100

85 65.2 52.6 78.8

127 9.1 6.2 9.4



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: 4.86 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

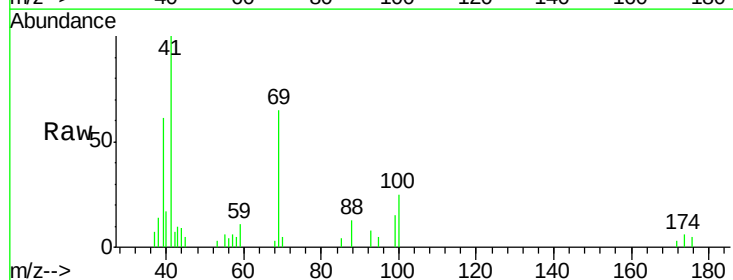
Tgt Ion: 41 Resp: 29307

Ion Ratio Lower Upper

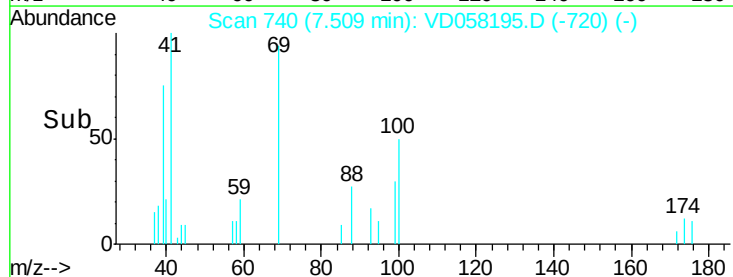
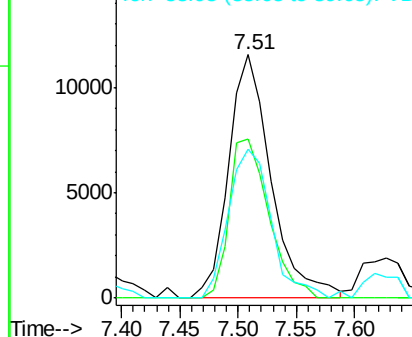
41 100

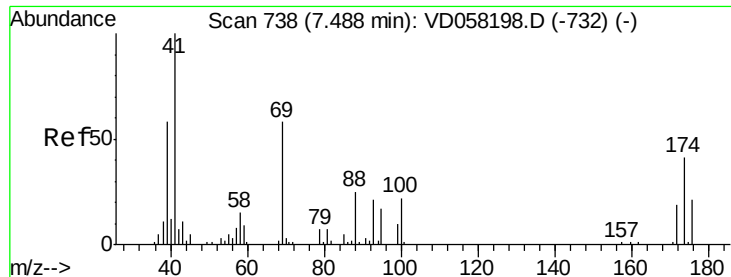
69 65.3 50.7 76.1

39 61.1 52.6 78.8



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

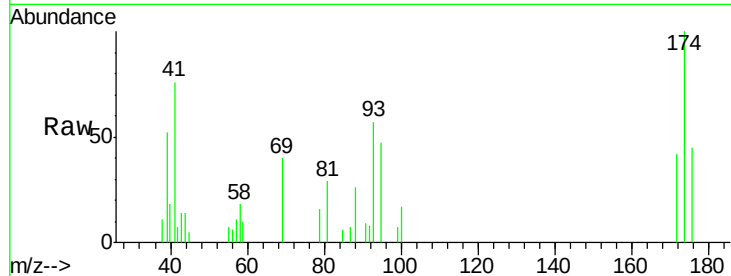




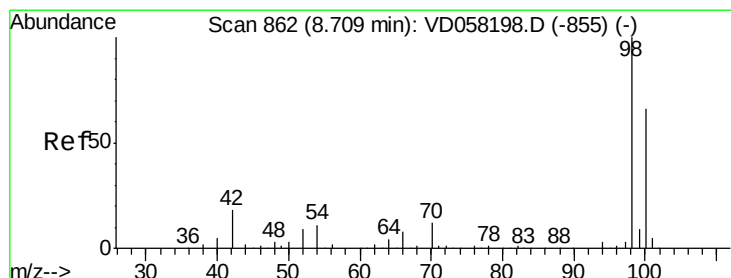
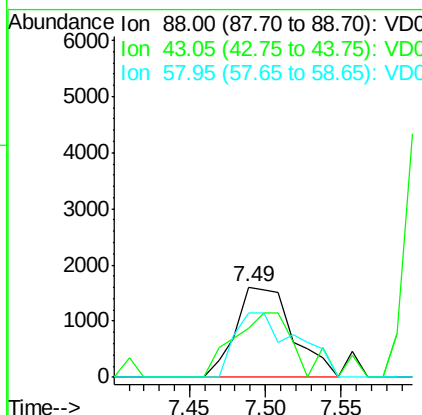
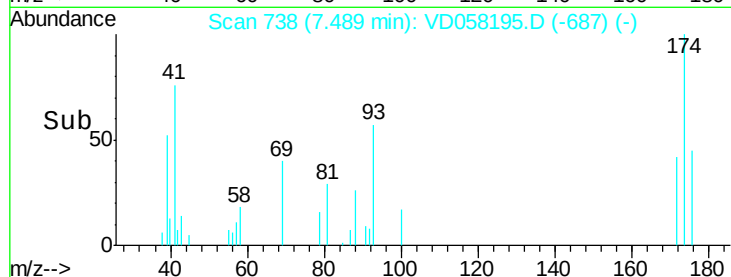
#49
1,4-Dioxane
Concen: 82.26 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 4242
Ion Ratio Lower Upper
88 100
43 54.1 34.2 51.2#
58 71.6 47.9 71.9

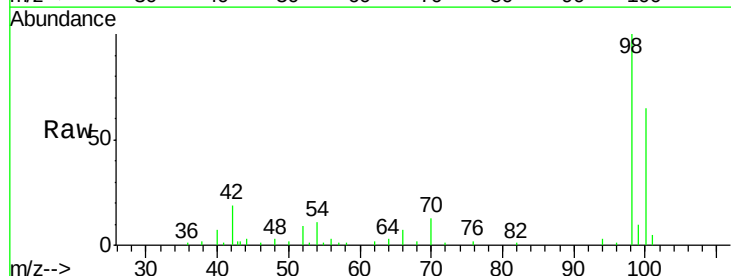


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

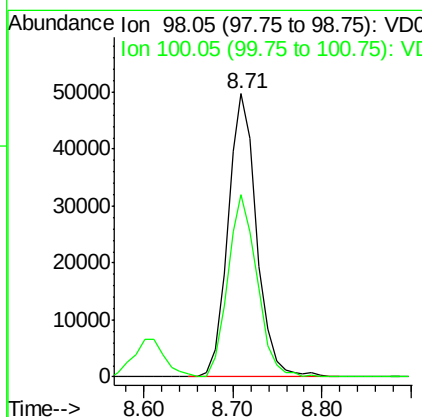
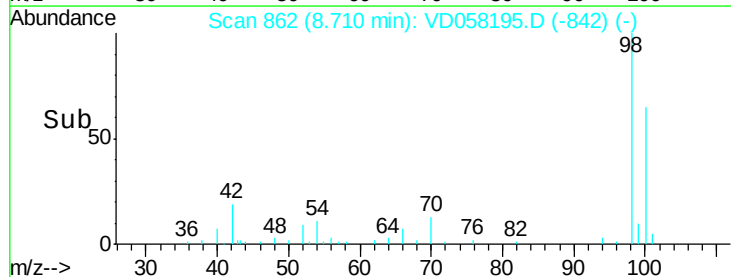


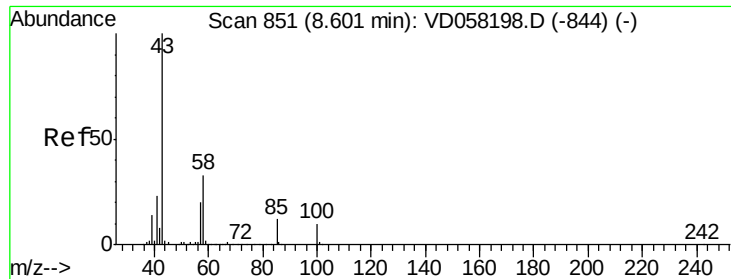
#50
Toluene-d8
Concen: 82.26 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 98 Resp: 111804
Ion Ratio Lower Upper
98 100
100 64.5 53.6 80.4



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: 25.35 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

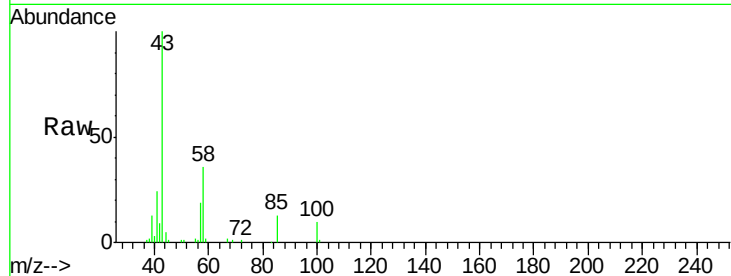
VSTDIC005

Tot Ion: 43 Resp: 160044

Ion Ratio Lower Upper

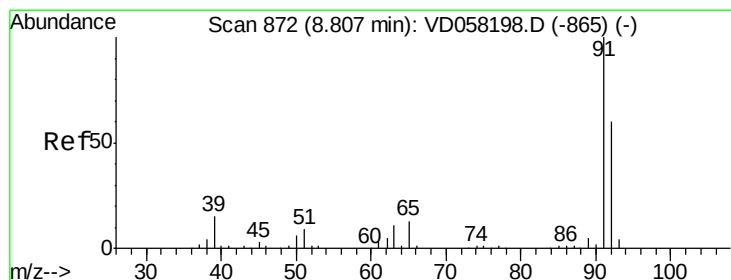
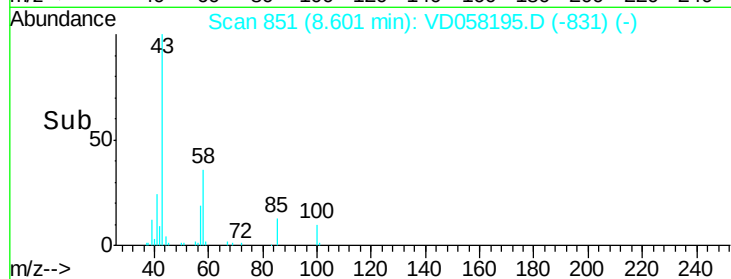
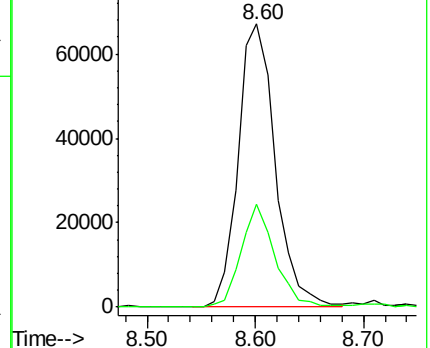
43 100

58 36.1 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.21 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058195.D

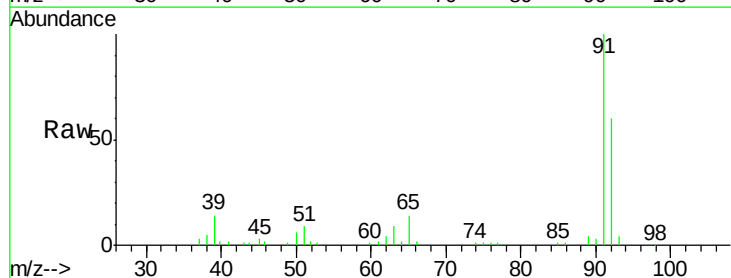
Acq: 19 Jun 2018 15:34

Tgt Ion: 92 Resp: 94042

Ion Ratio Lower Upper

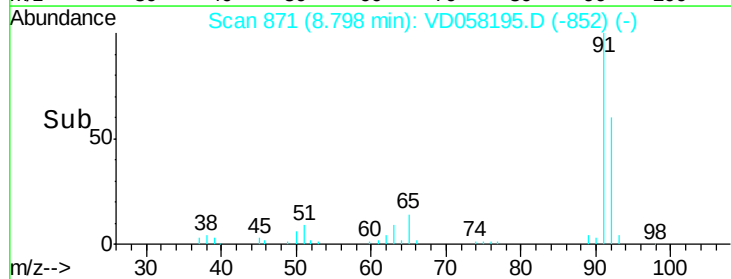
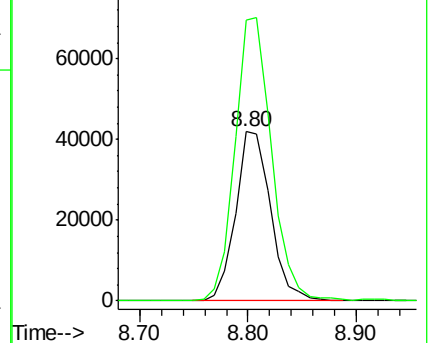
92 100

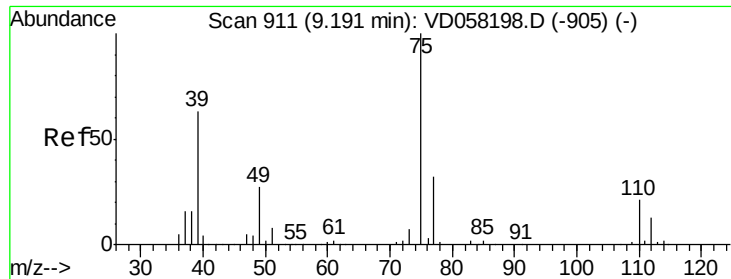
91 166.0 133.2 199.8



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: 4.52 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

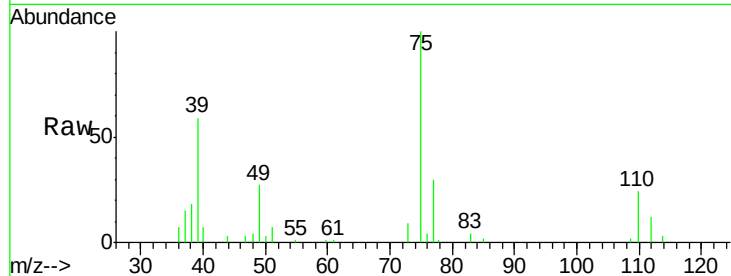
VSTDIC005

Tot Ion: 75 Resp: 51596

Ion Ratio Lower Upper

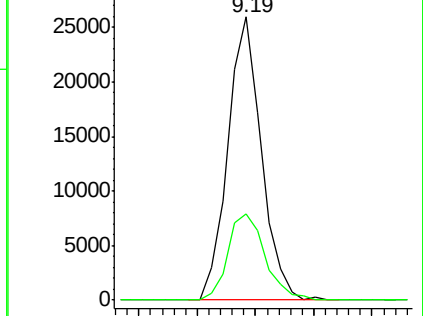
75 100

77 30.4 25.8 38.8

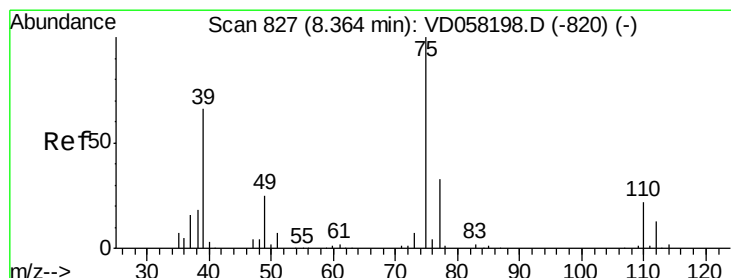
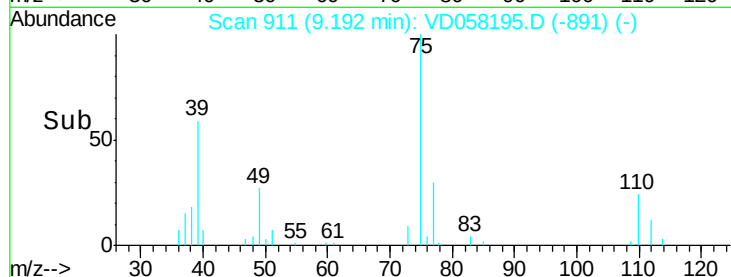


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time--> 9.10 9.15 9.20 9.25 9.30



#54

cis-1,3-Dichloropropene

Concen: 4.67 ug/l

RT: 8.37 min Scan# 827

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

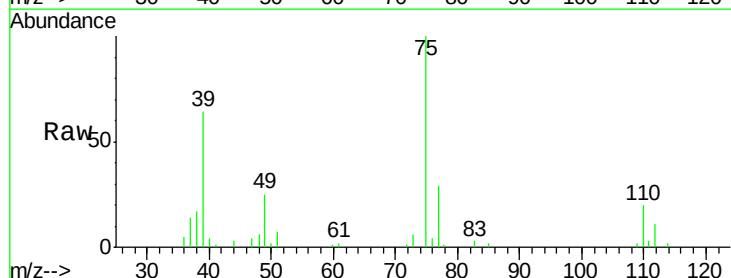
Tgt Ion: 75 Resp: 62672

Ion Ratio Lower Upper

75 100

77 29.1 26.5 39.7

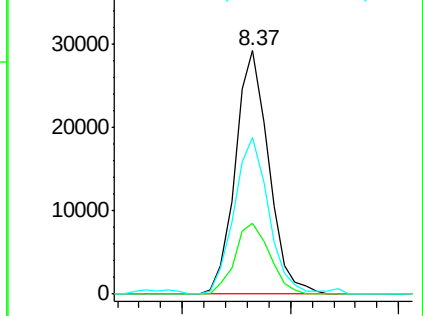
39 64.2 52.9 79.3



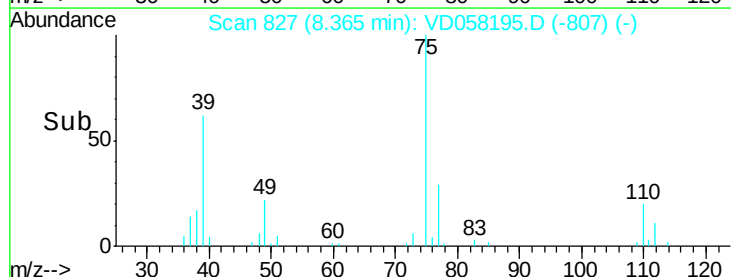
Abundance Ion 75.00 (74.70 to 75.70): VDC

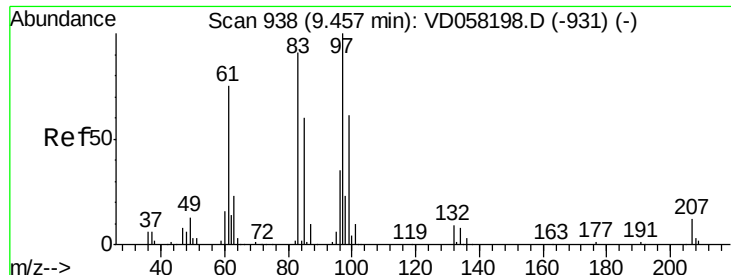
Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



Time--> 8.30 8.35 8.40

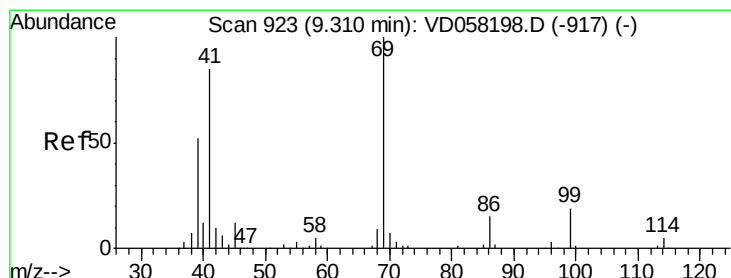
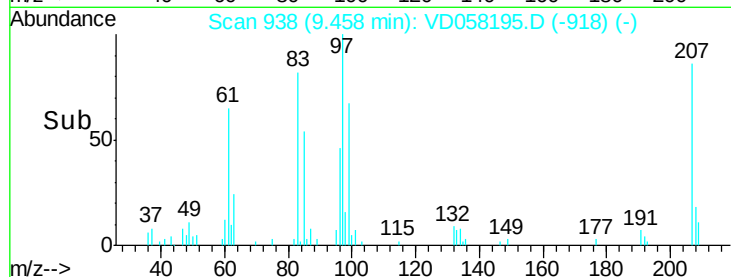
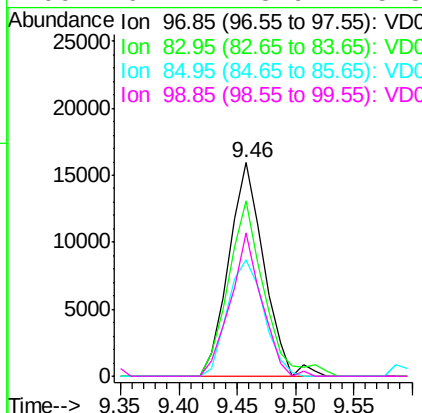
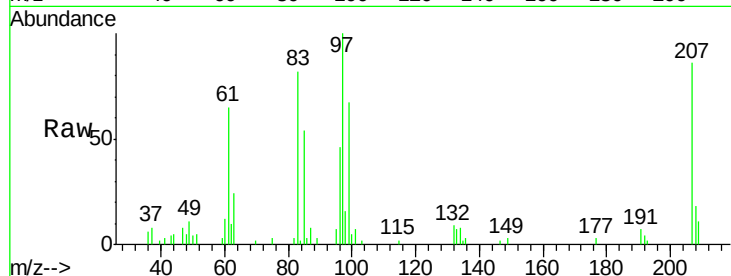




#55
 1,1,2-Trichloroethane
 Concen: 5.59 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

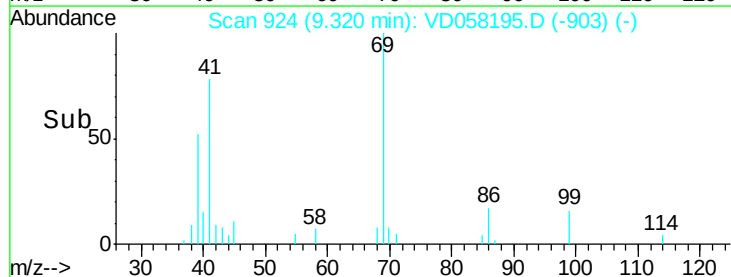
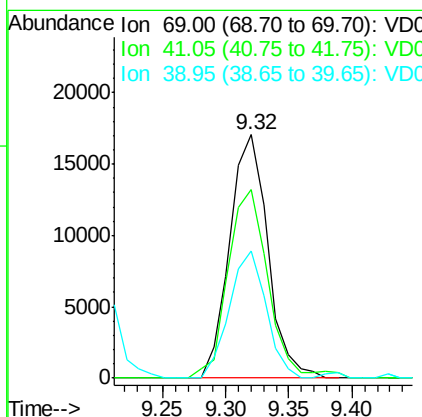
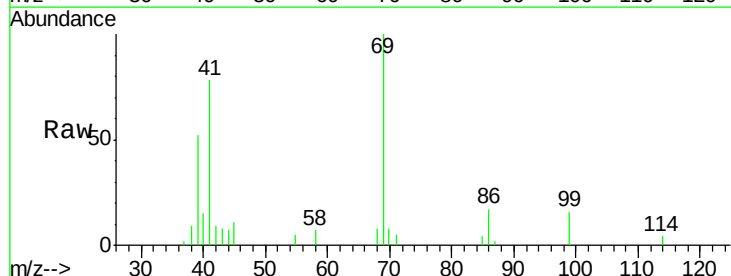
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

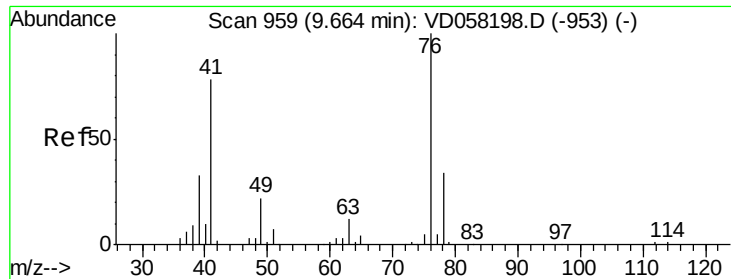
Tot Ion:	97	Resp:	33296
Ion	Ratio	Lower	Upper
97	100		
83	82.1	72.9	109.3
85	54.4	48.2	72.4
99	67.2	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 4.87 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion:	69	Resp:	35633
Ion	Ratio	Lower	Upper
69	100		
41	77.6	67.6	101.4
39	52.0	42.2	63.2

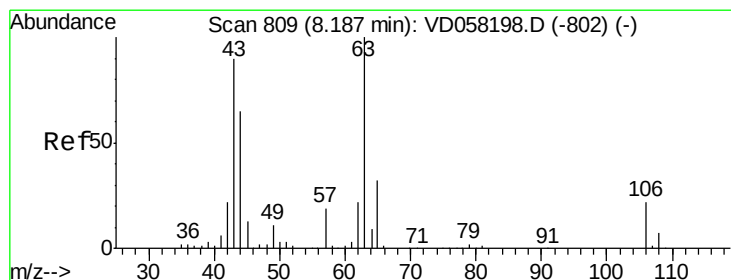
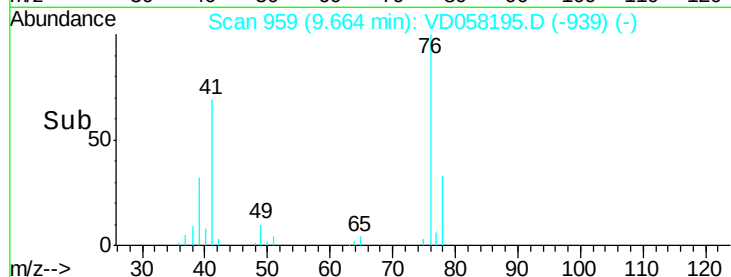
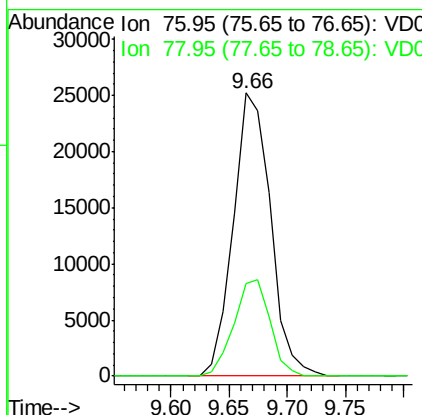
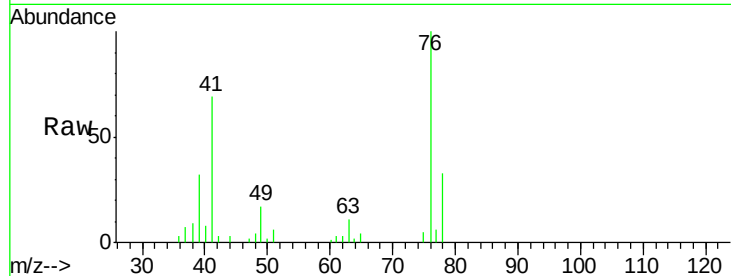




#57
 1,3-Dichloropropane
 Concen: 5.42 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

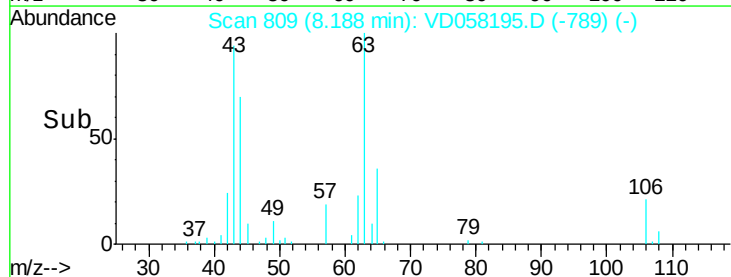
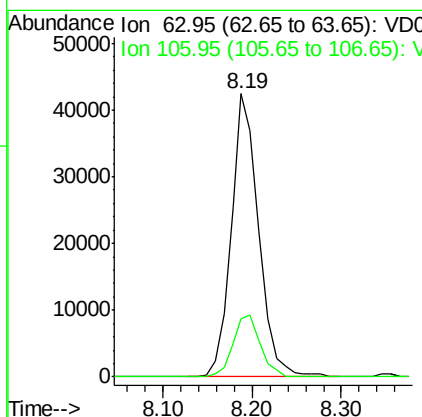
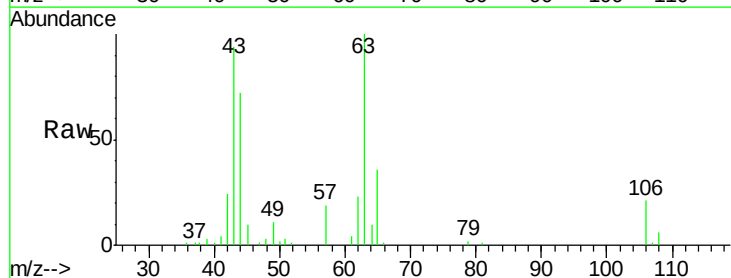
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

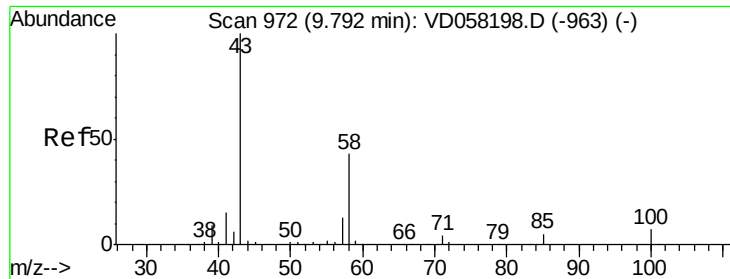
Tot Ion: 76 Resp: 55944
 Ion Ratio Lower Upper
 76 100
 78 32.7 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.45 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion: 63 Resp: 90723
 Ion Ratio Lower Upper
 63 100
 106 20.7 18.0 27.0

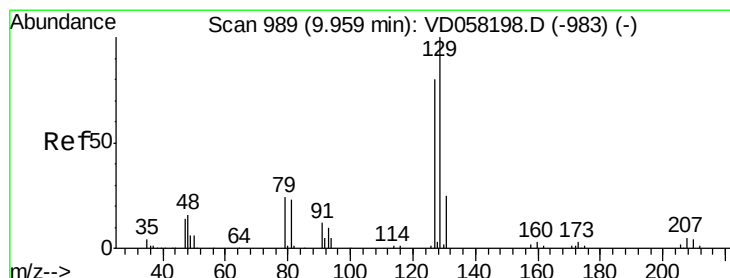
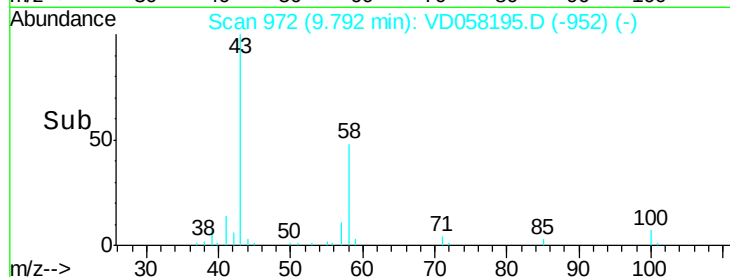
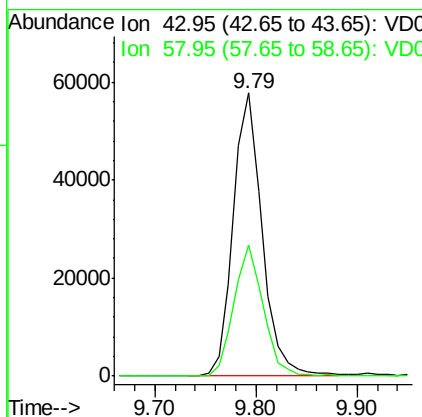
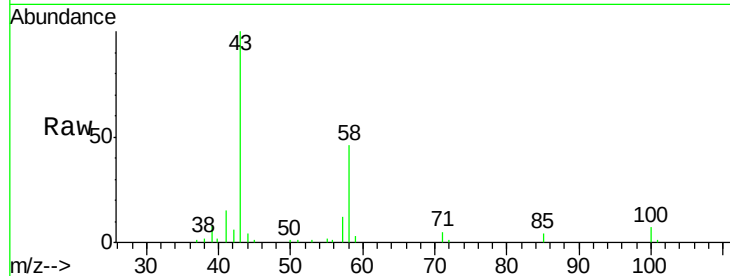




#59
2-Hexanone
Concen: 24.99 ug/l
RT: 9.79 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

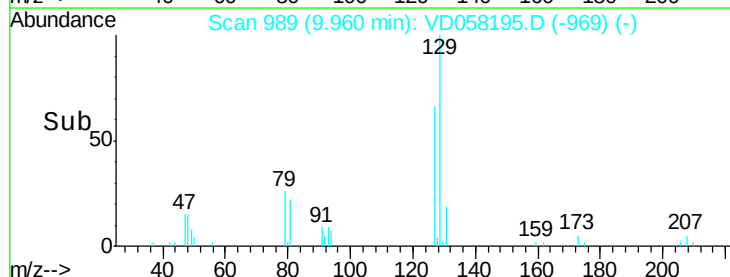
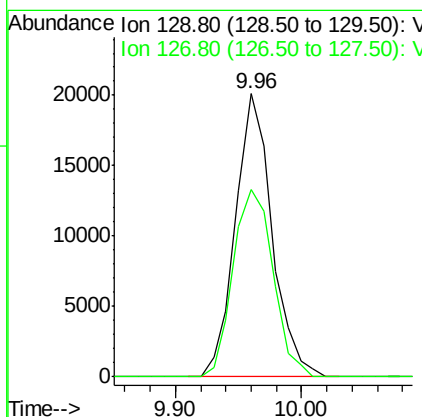
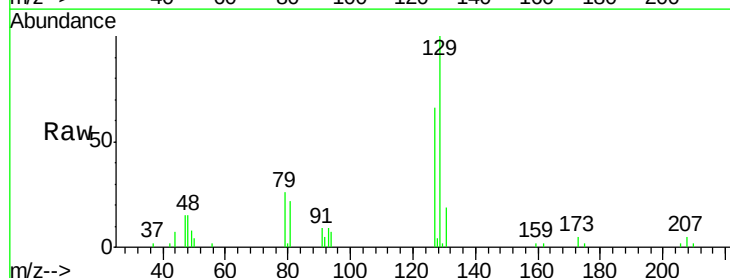
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

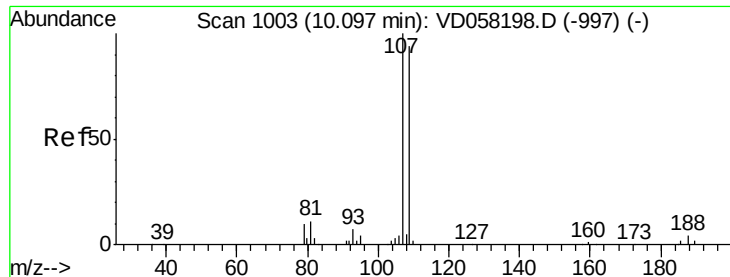
Tot Ion: 43 Resp: 115039
Ion Ratio Lower Upper
43 100
58 46.4 21.7 65.1



#60
Dibromochloromethane
Concen: 4.84 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 129 Resp: 40374
Ion Ratio Lower Upper
129 100
127 66.2 39.8 119.4





#61

1,2-Dibromoethane

Concen: 4.98 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

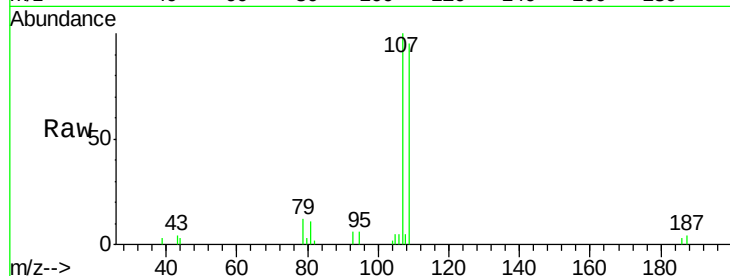
VSTDIC005

Tot Ion:107 Resp: 34048

Ion Ratio Lower Upper

107 100

109 94.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

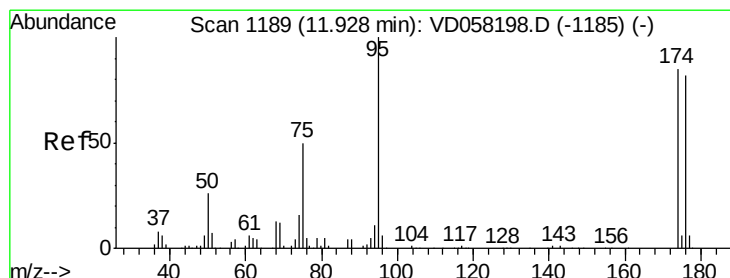
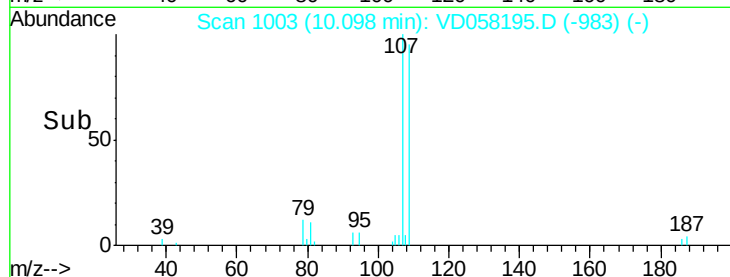
15000

10000

5000

0

Time--> 10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 4.98 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

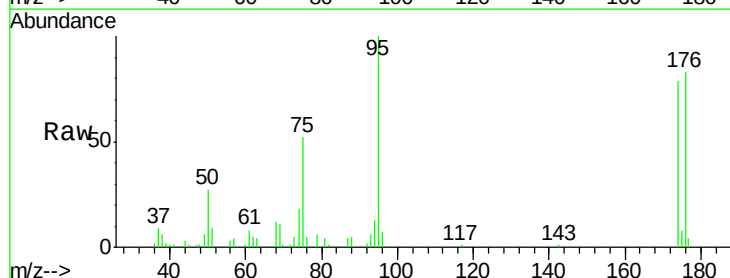
Tgt Ion: 95 Resp: 48231

Ion Ratio Lower Upper

95 100

174 78.9 0.0 170.2

176 83.1 0.0 164.6



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

11.93

40000

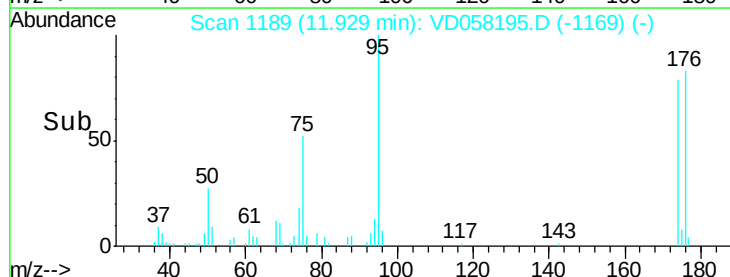
30000

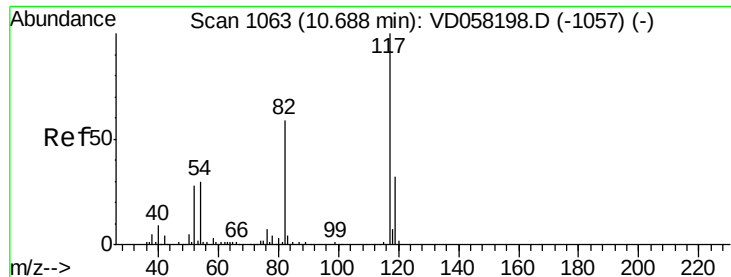
20000

10000

0

Time--> 11.85 11.90 11.95 12.00

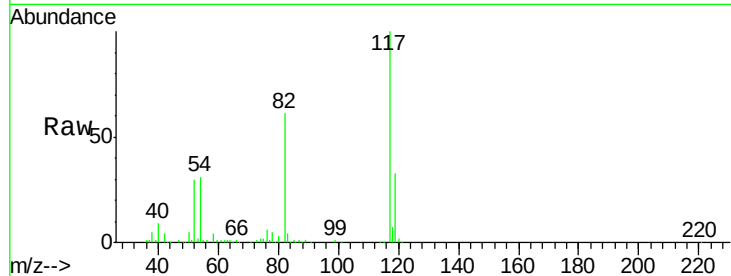




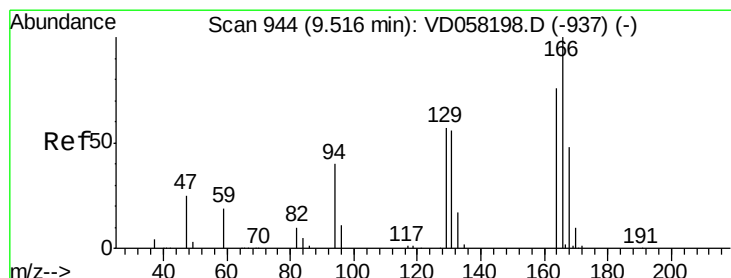
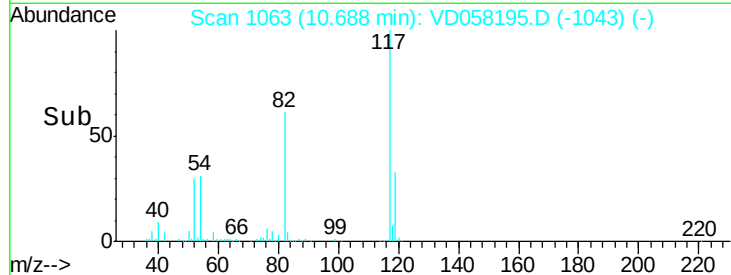
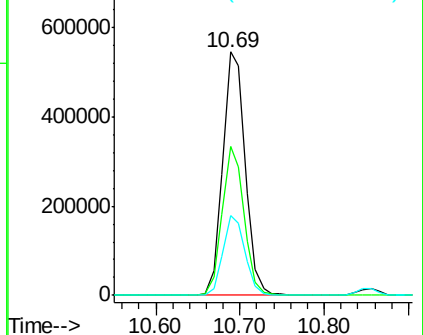
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 1012220
Ion Ratio Lower Upper
117 100
82 61.0 47.0 70.6
119 32.9 25.3 37.9

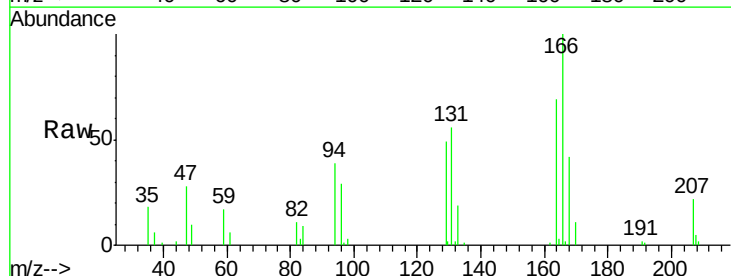


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

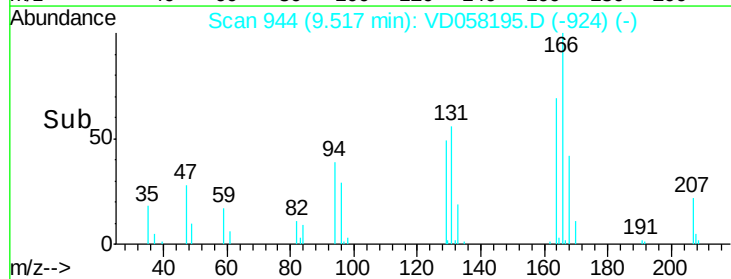
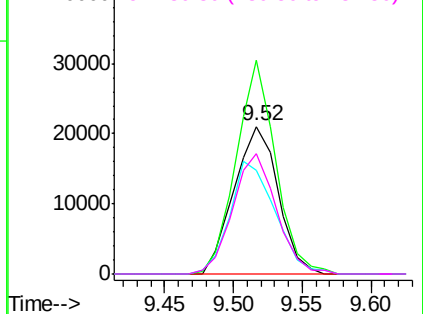


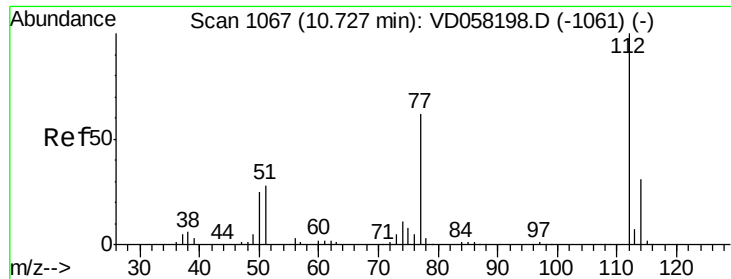
#64
Tetrachloroethene
Concen: 5.25 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion:164 Resp: 46910
Ion Ratio Lower Upper
164 100
166 145.0 105.4 158.0
129 70.7 59.6 89.4
131 81.5 59.4 89.2



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: 5.41 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

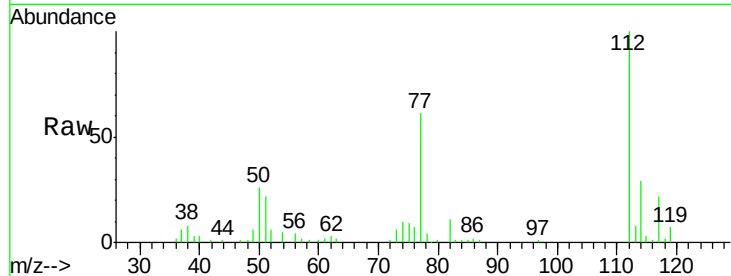
VSTDIC005

Tot Ion:112 Resp: 108807

Ion Ratio Lower Upper

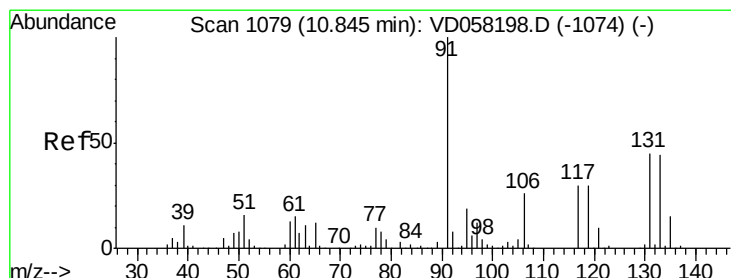
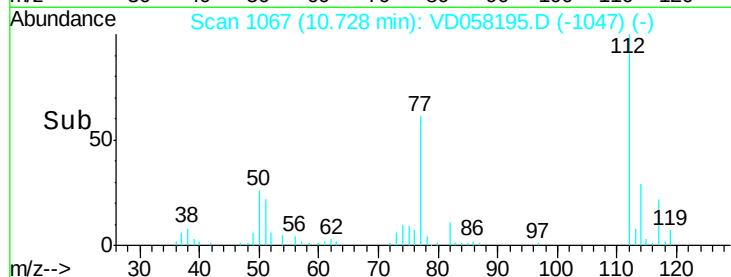
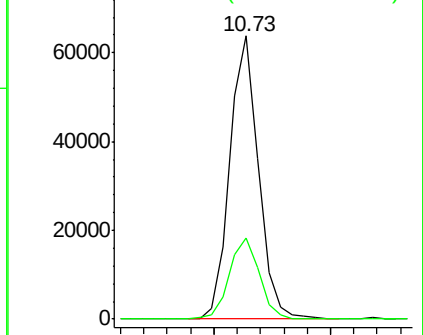
112 100

114 28.9 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.68 ug/l

RT: 10.85 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

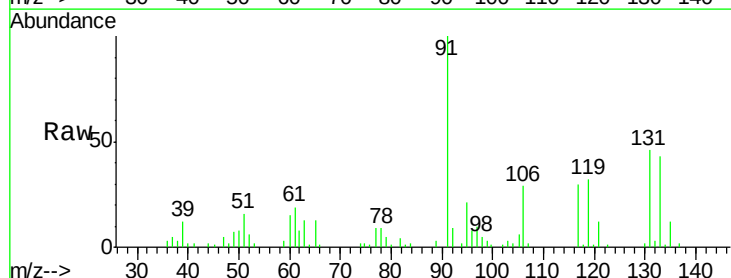
Tgt Ion:131 Resp: 36201

Ion Ratio Lower Upper

131 100

133 93.5 48.6 145.9

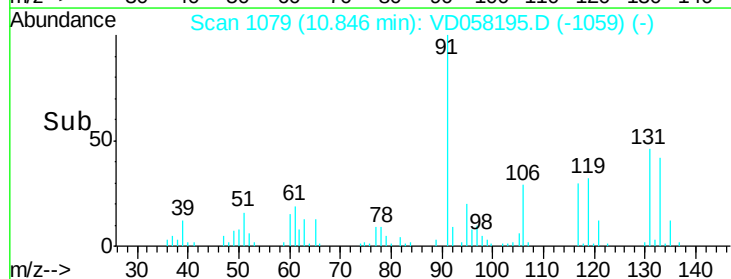
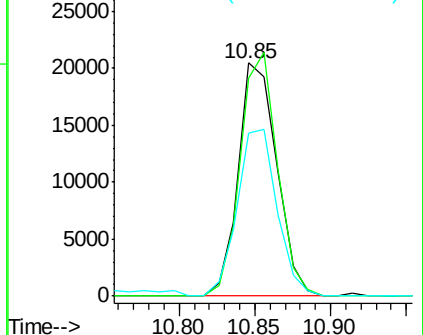
119 69.7 33.0 99.0

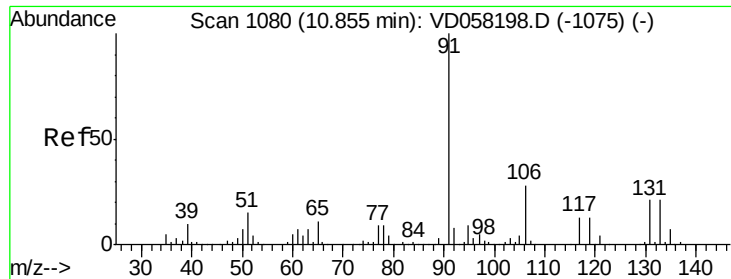


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

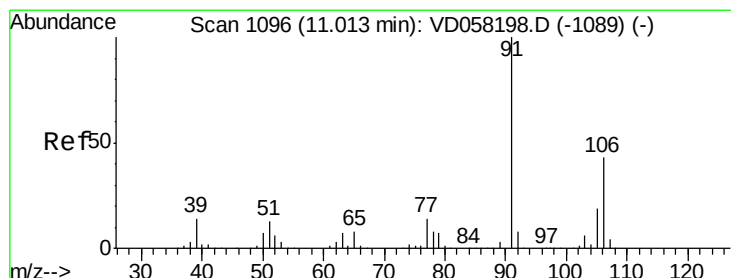
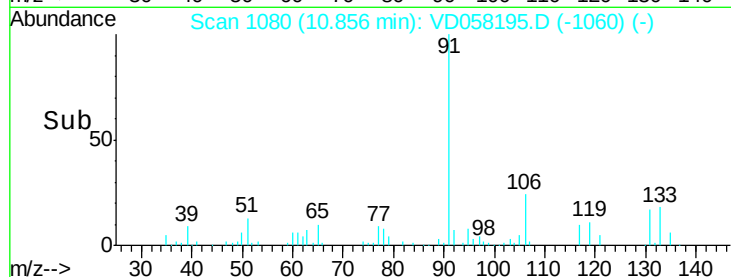
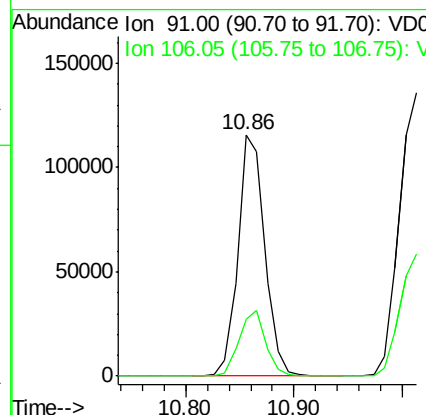
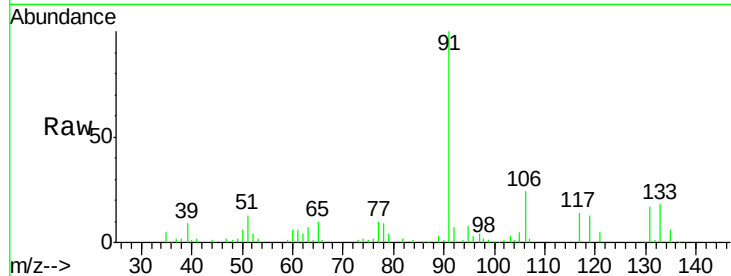




#67
Ethyl Benzene
Concen: 5.49 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

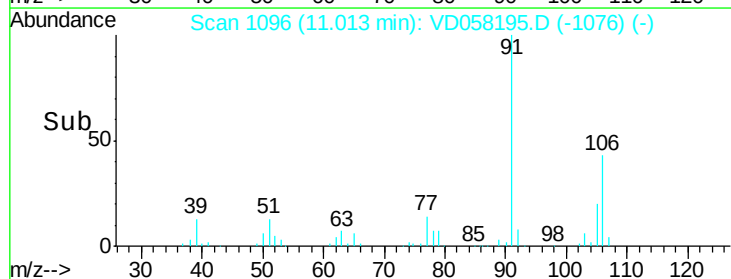
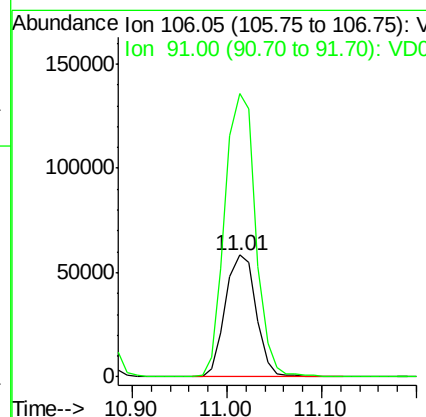
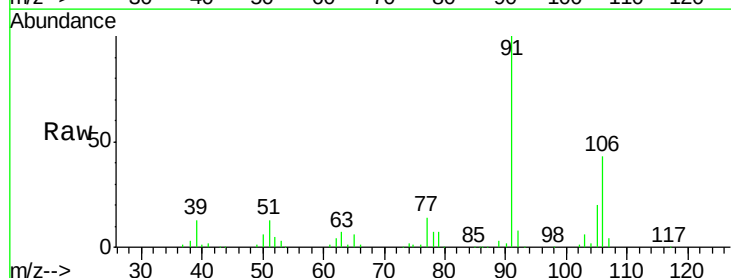
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

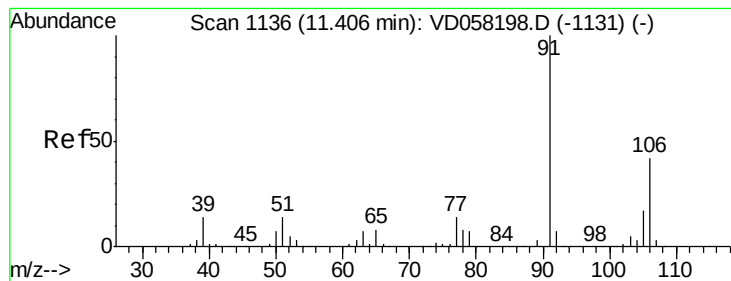
Tot Ion: 91 Resp: 198448
Ion Ratio Lower Upper
91 100
106 23.7 22.0 33.0



#68
m/p-Xylenes
Concen: 11.13 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion: 106 Resp: 131953
Ion Ratio Lower Upper
106 100
91 232.9 185.0 277.6





#69

o-Xylene

Concen: 5.20 ug/l

RT: 11.41 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

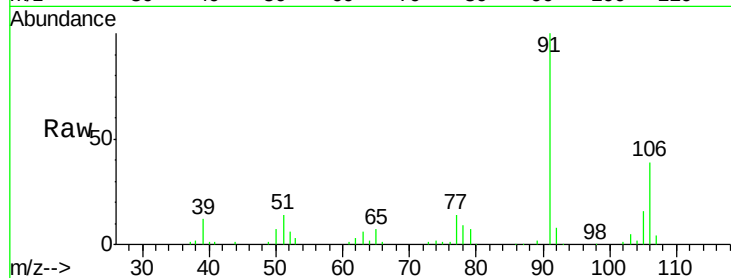
VSTDIC005

Tot Ion:106 Resp: 60591

Ion Ratio Lower Upper

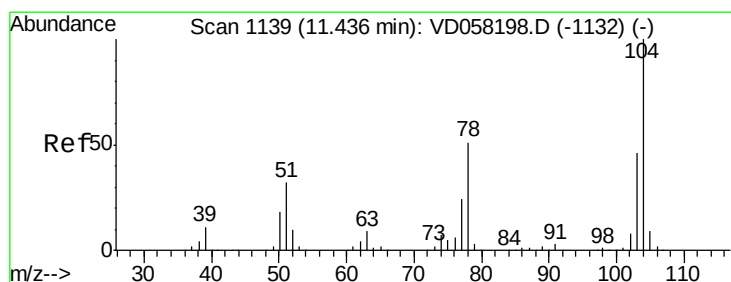
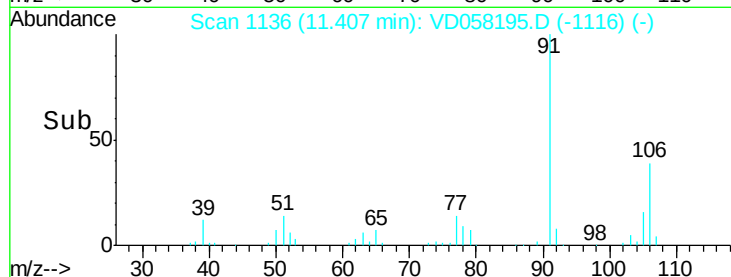
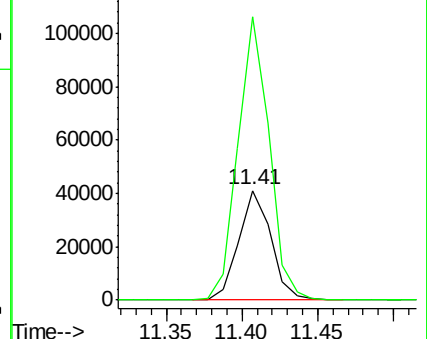
106 100

91 258.2 120.2 360.6



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 5.29 ug/l

RT: 11.44 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

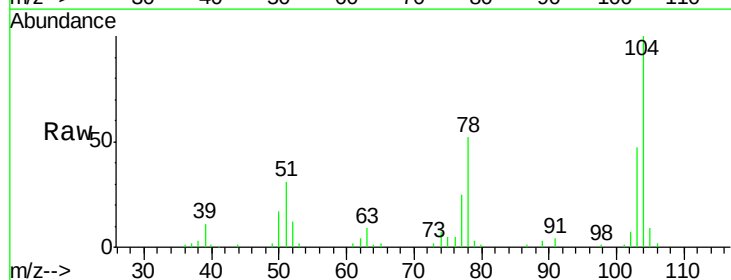
Tgt Ion:104 Resp: 102569

Ion Ratio Lower Upper

104 100

78 52.5 40.8 61.2

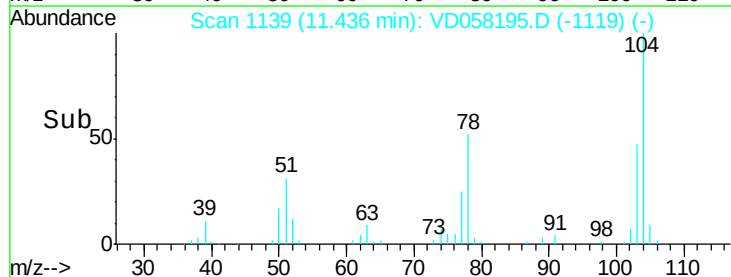
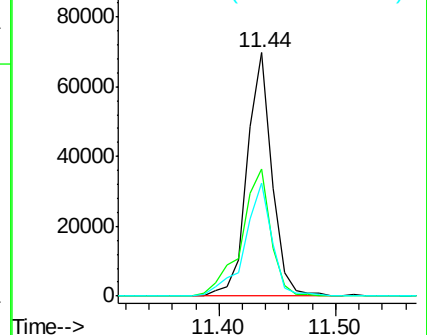
103 46.5 37.0 55.6

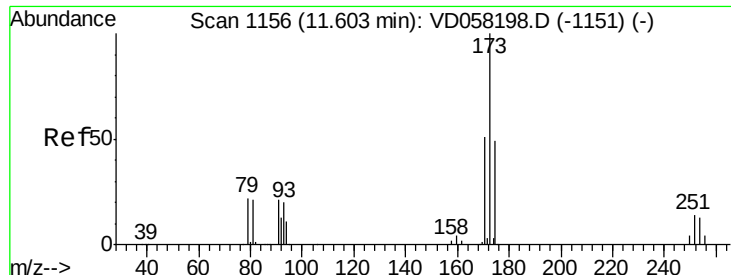


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

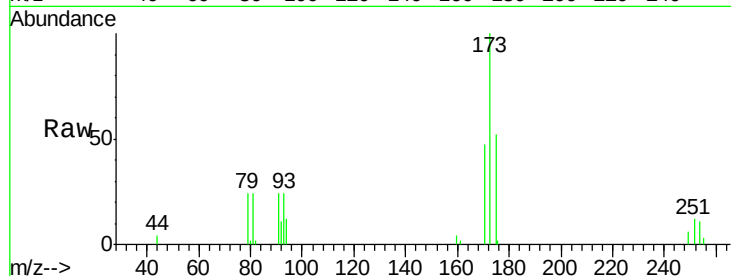




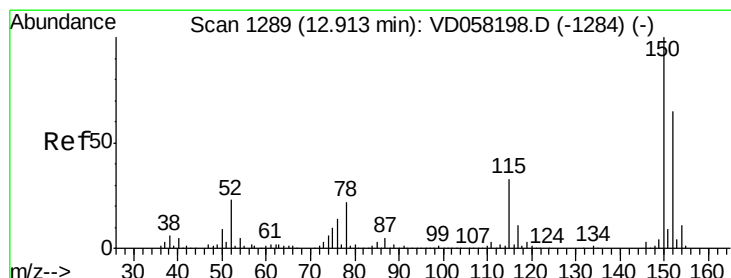
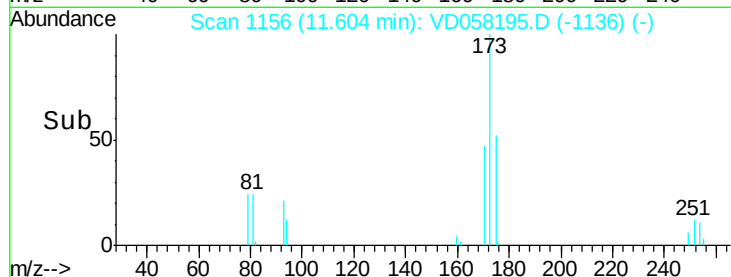
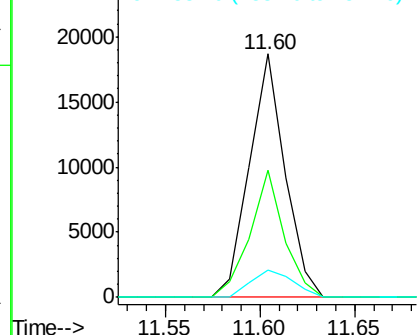
#71
Bromoform
Concen: 4.09 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 24286
Ion Ratio Lower Upper
173 100
175 52.2 24.6 74.0
254 11.1 10.3 15.5

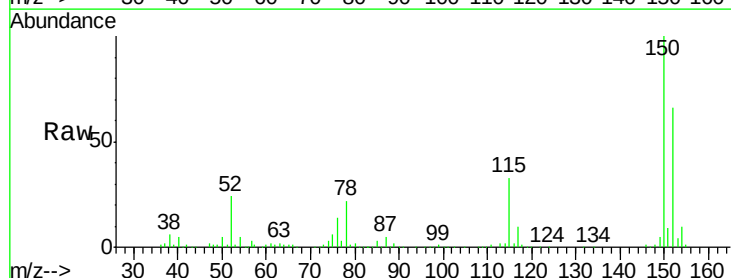


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

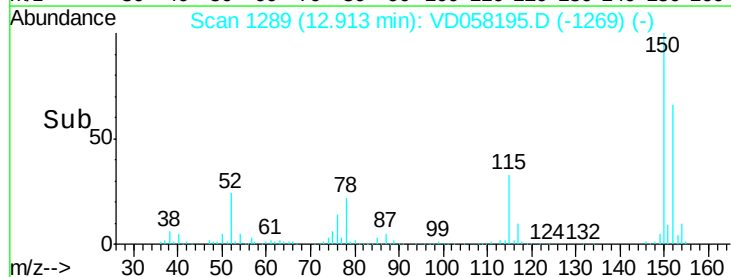
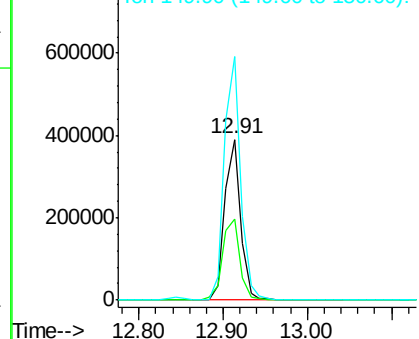


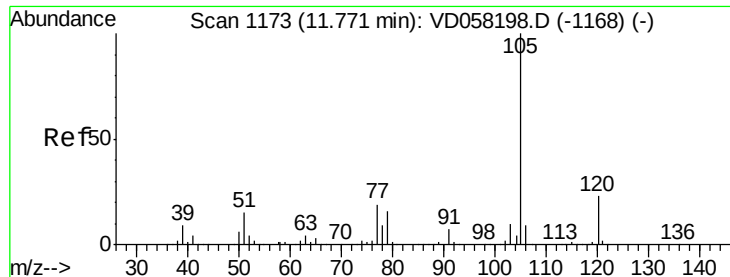
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion:152 Resp: 513800
Ion Ratio Lower Upper
152 100
115 50.4 25.1 75.3
150 151.8 0.0 308.8



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





#73

Isopropylbenzene

Concen: 5.43 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

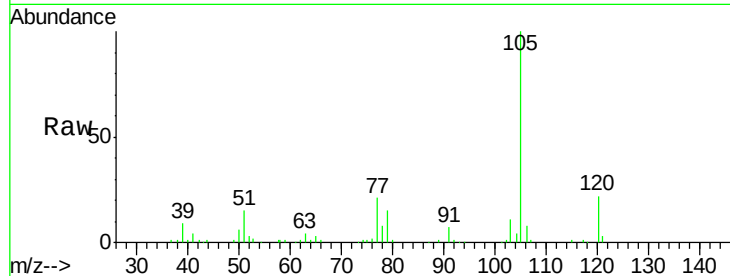
VSTDIC005

Tot Ion: 105 Resp: 181047

Ion Ratio Lower Upper

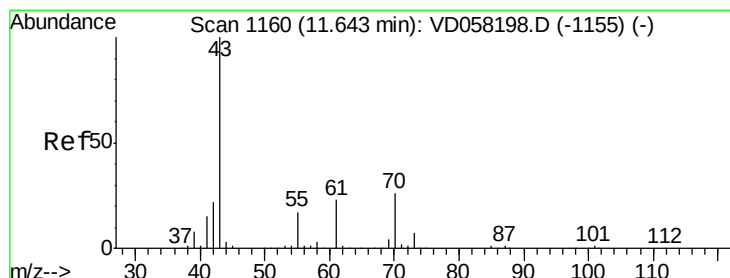
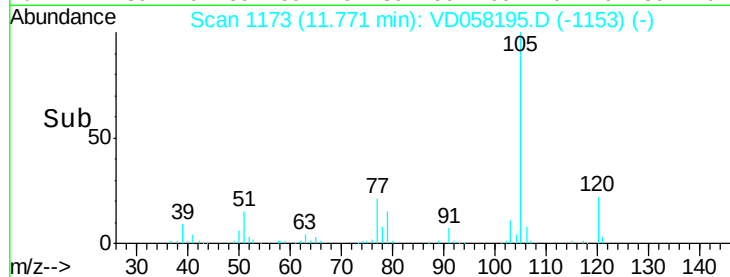
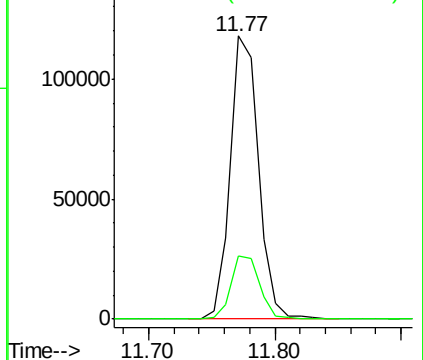
105 100

120 22.2 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.69 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Tgt Ion: 43 Resp: 61338

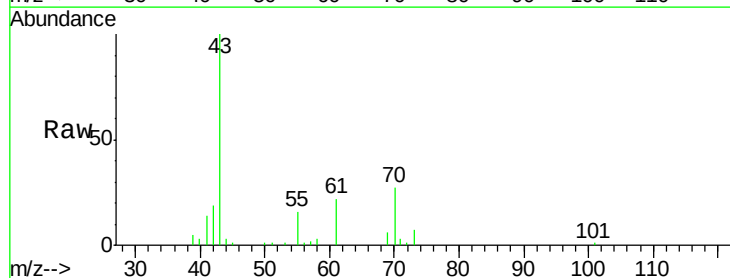
Ion Ratio Lower Upper

43 100

70 26.5 20.9 31.3

55 16.2 13.5 20.3

61 22.4 18.2 27.2

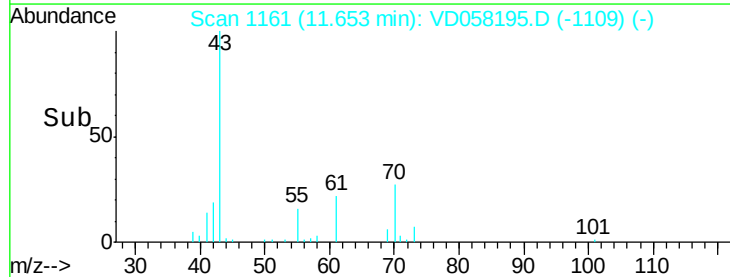
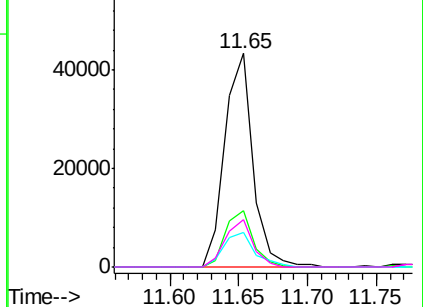


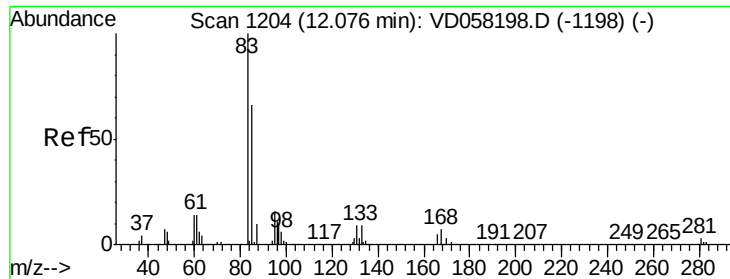
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.14 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

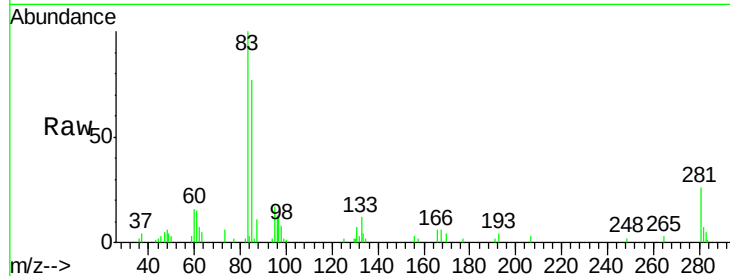
Tot Ion: 83 Resp: 38294

Ion Ratio Lower Upper

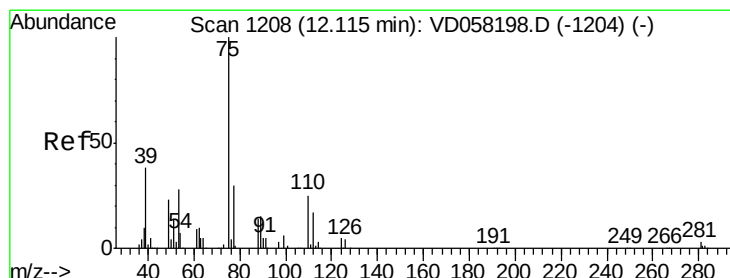
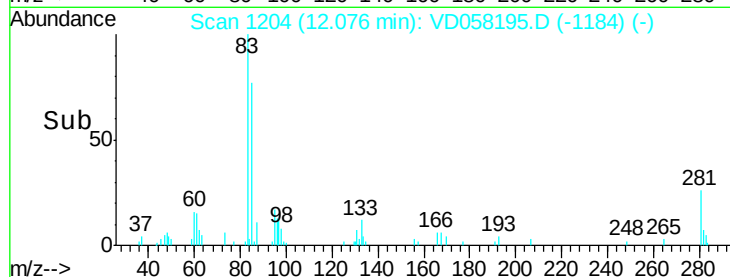
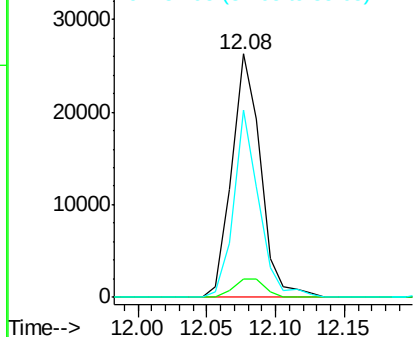
83 100

131 7.3 4.8 14.3

85 77.0 33.1 99.5



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: 5.28 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058195.D

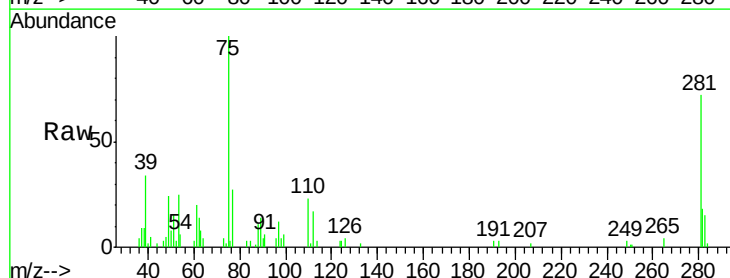
Acq: 19 Jun 2018 15:34

Tgt Ion: 75 Resp: 40930

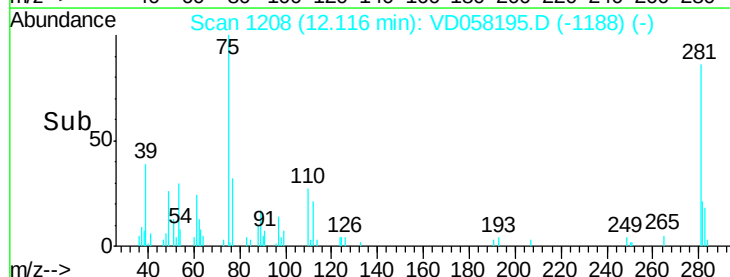
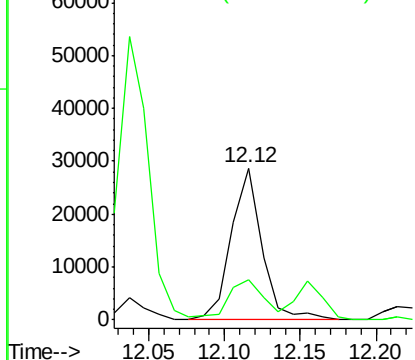
Ion Ratio Lower Upper

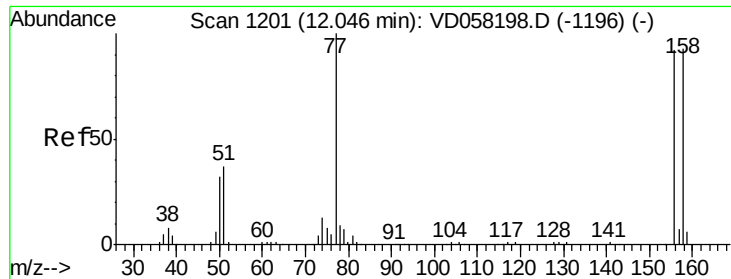
75 100

77 26.8 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 5.30 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

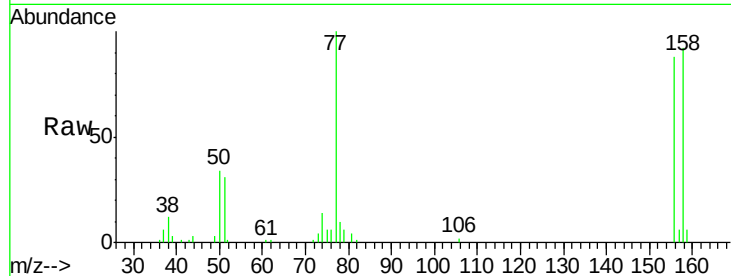
Tot Ion:156 Resp: 52536

Ion Ratio Lower Upper

156 100

77 114.0 54.5 163.6

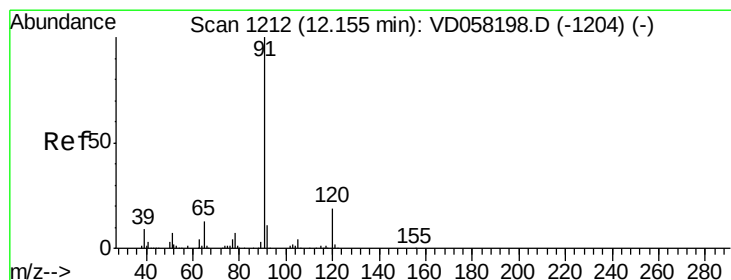
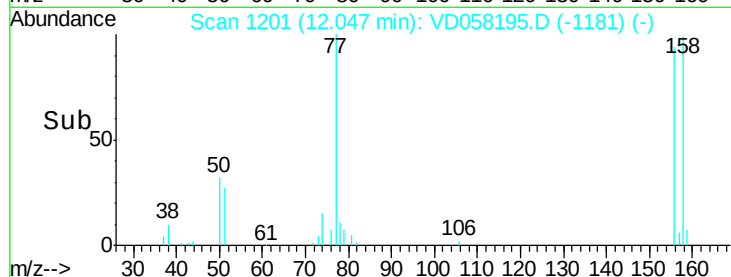
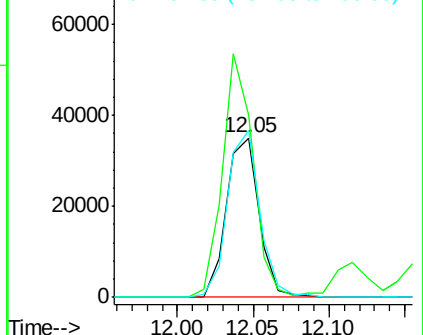
158 104.7 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.38 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058195.D

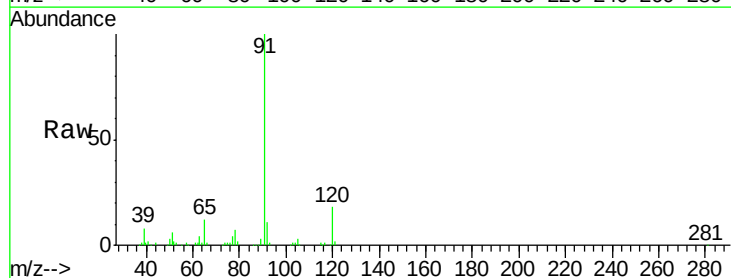
Acq: 19 Jun 2018 15:34

Tgt Ion: 91 Resp: 234597

Ion Ratio Lower Upper

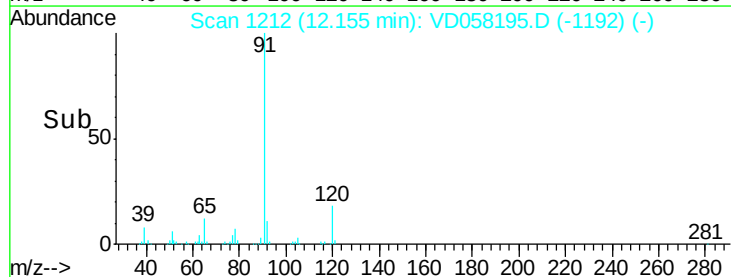
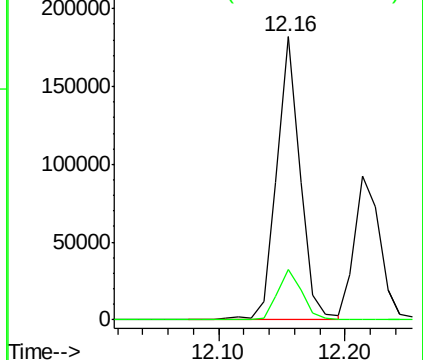
91 100

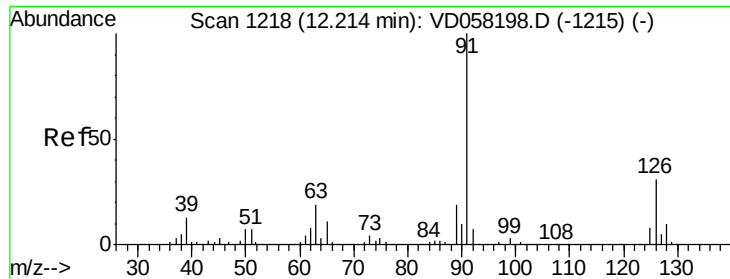
120 18.0 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

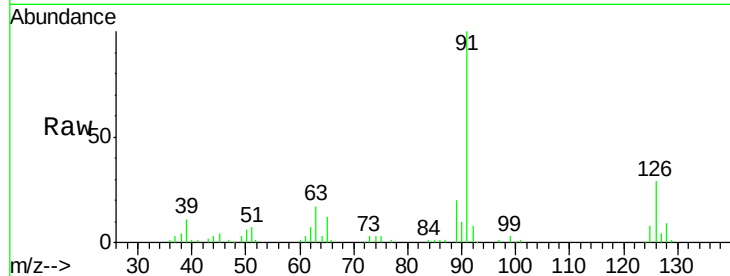




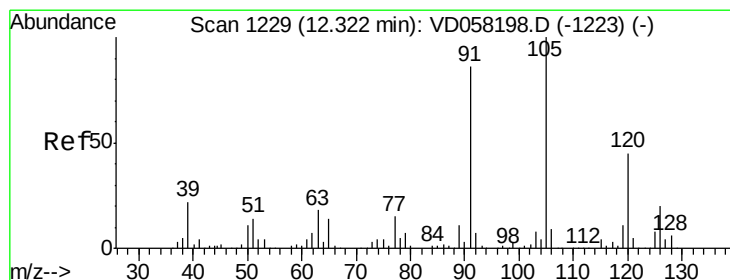
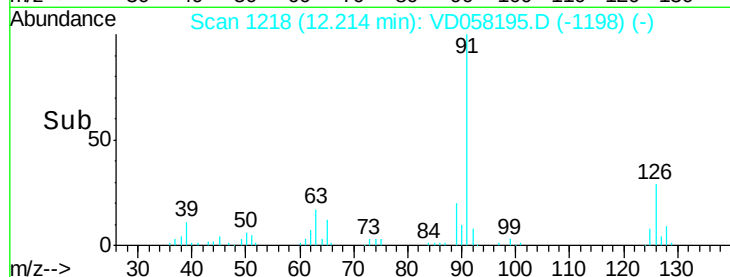
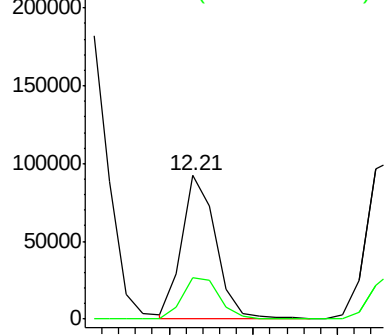
#79
 2-Chlorotoluene
 Concen: 5.14 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 127769
 Ion Ratio Lower Upper
 91 100
 126 29.0 14.9 44.5

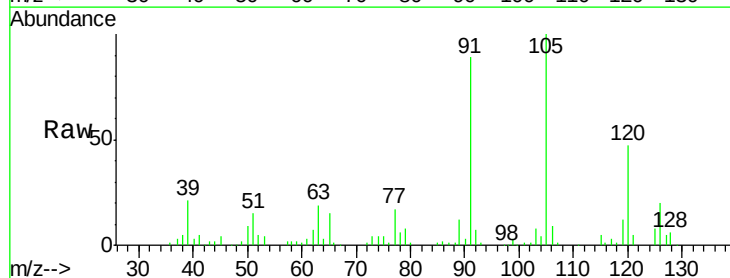


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

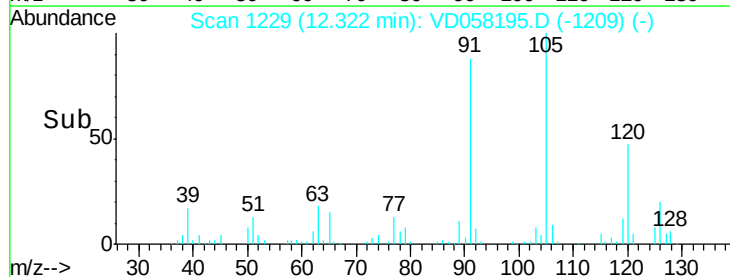
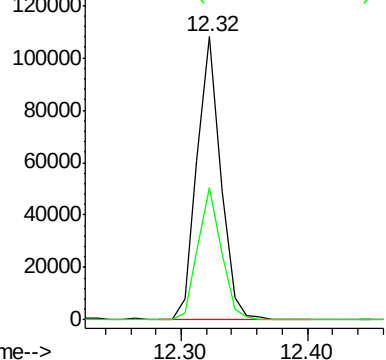


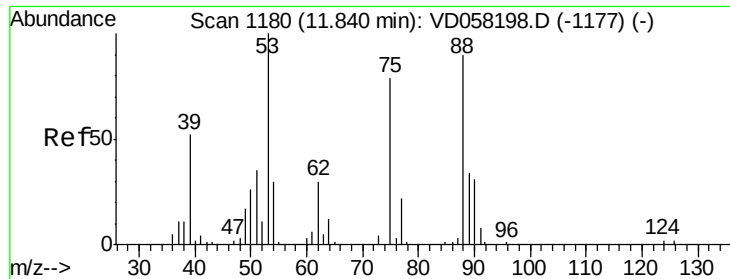
#80
 1,3,5-Trimethylbenzene
 Concen: 5.35 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion: 105 Resp: 140417
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.5 67.5



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: 4.60 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

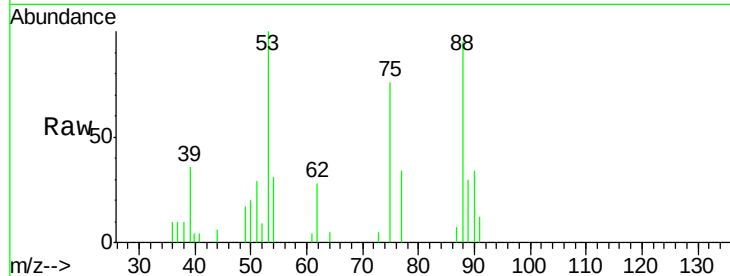
Tot Ion: 75 Resp: 8796

Ion Ratio Lower Upper

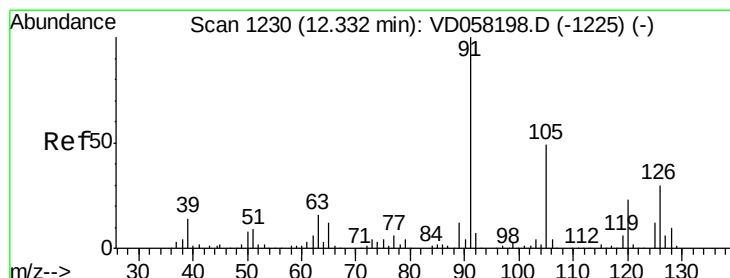
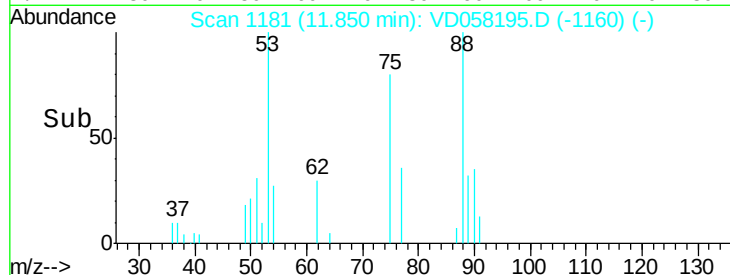
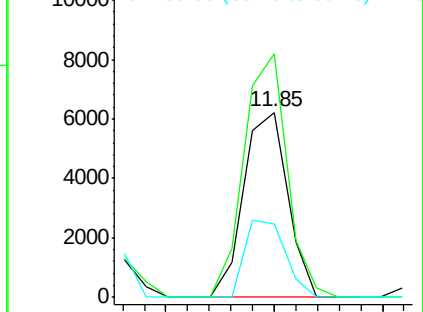
75 100

53 131.5 100.8 151.2

89 39.4 34.6 52.0



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: 5.67 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058195.D

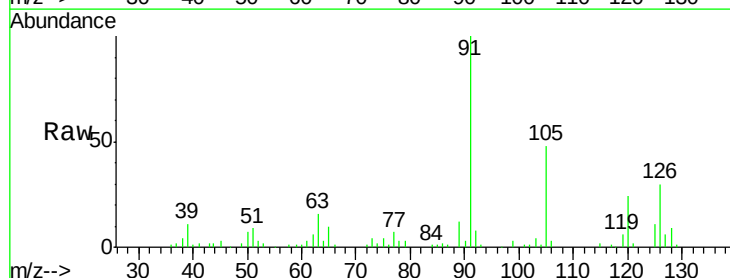
Acq: 19 Jun 2018 15:34

Tgt Ion: 91 Resp: 155632

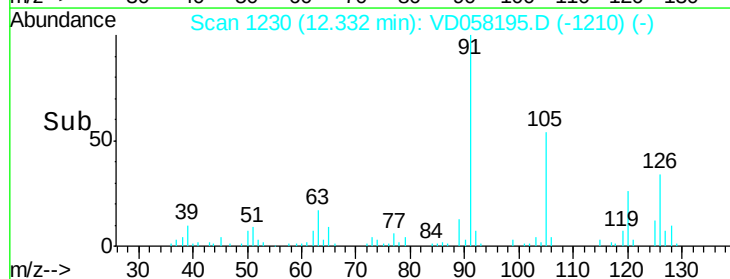
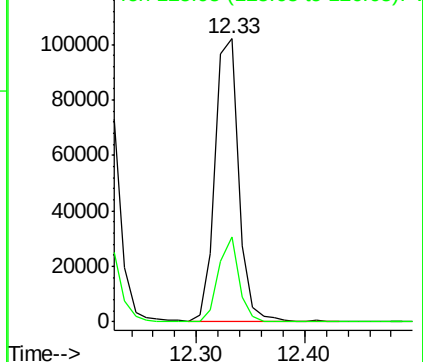
Ion Ratio Lower Upper

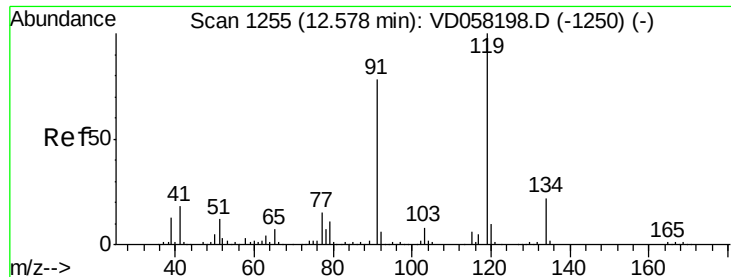
91 100

126 29.9 14.9 44.9



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

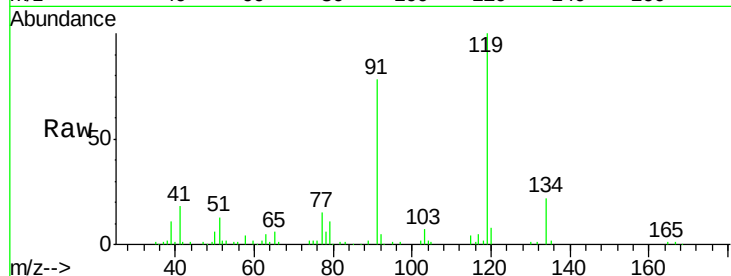




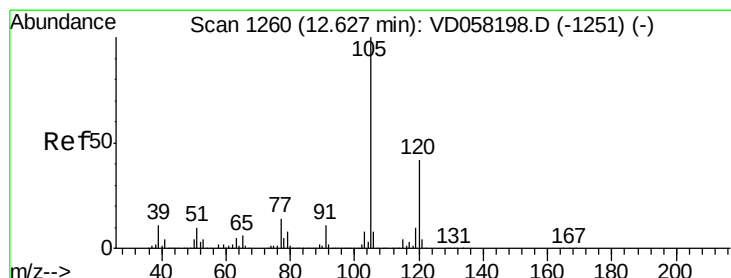
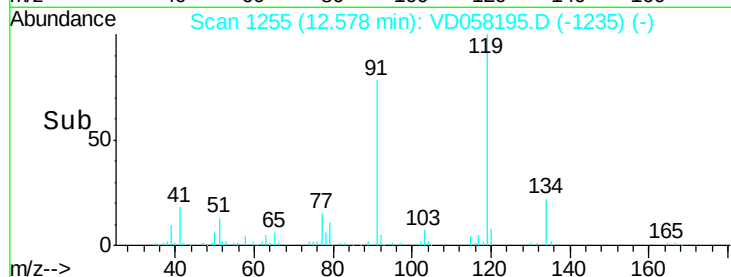
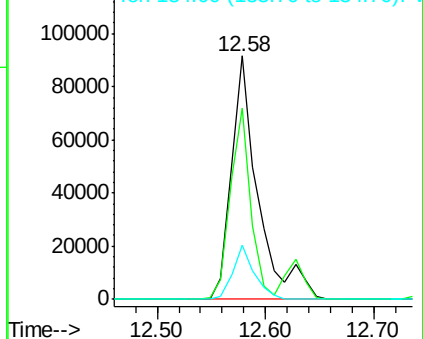
#83
 tert-Butylbenzene
 Concen: 5.32 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:119 Resp: 157062
 Ion Ratio Lower Upper
 119 100
 91 78.3 38.9 116.6
 134 22.2 11.2 33.5

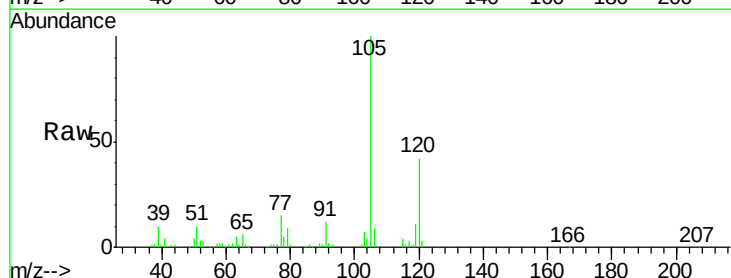


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

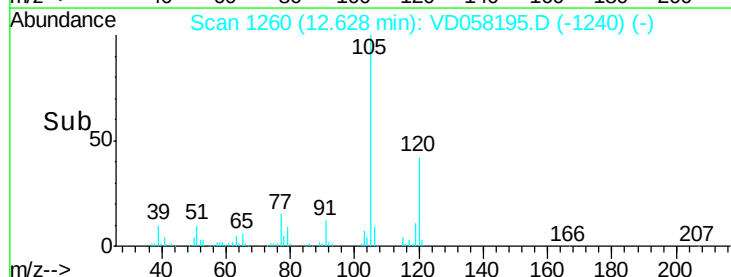
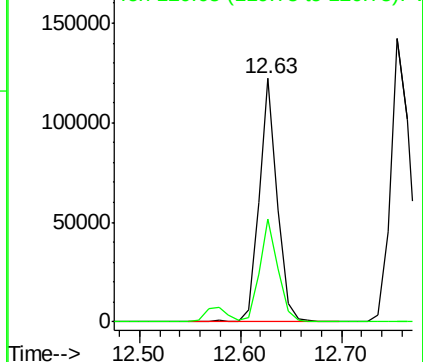


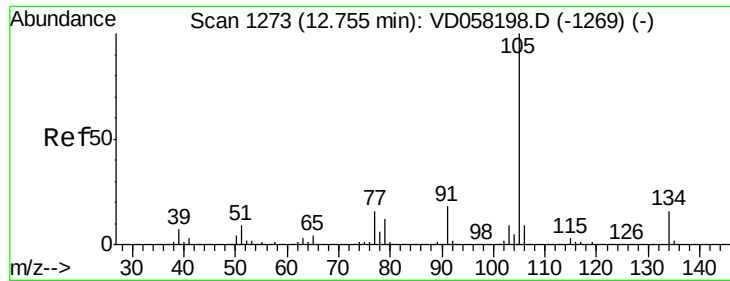
#84
 1,2,4-Trimethylbenzene
 Concen: 5.44 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion:105 Resp: 152589
 Ion Ratio Lower Upper
 105 100
 120 42.3 20.8 62.4



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

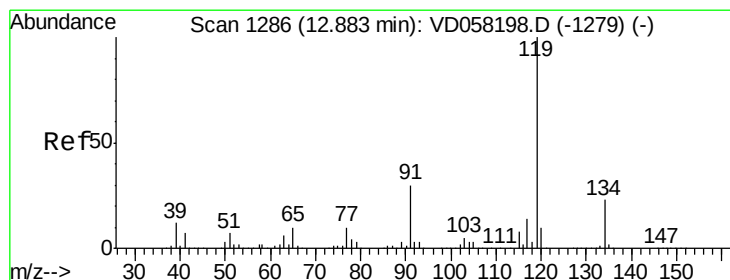
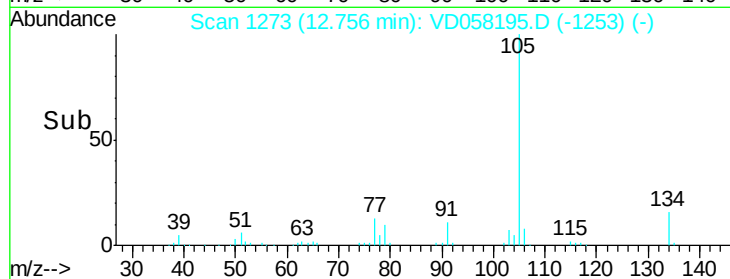
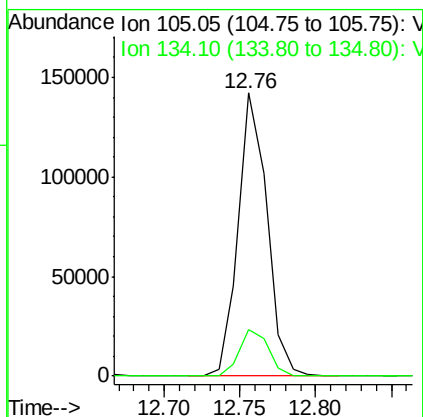
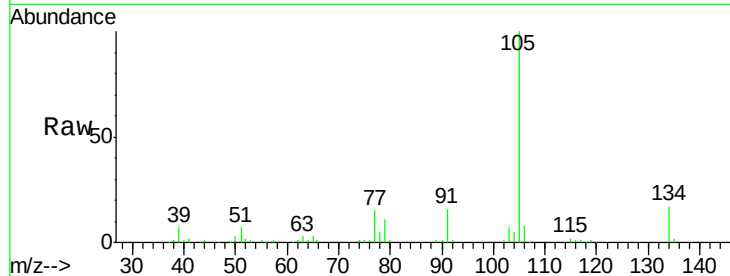




#85
 sec-Butylbenzene
 Concen: 5.28 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

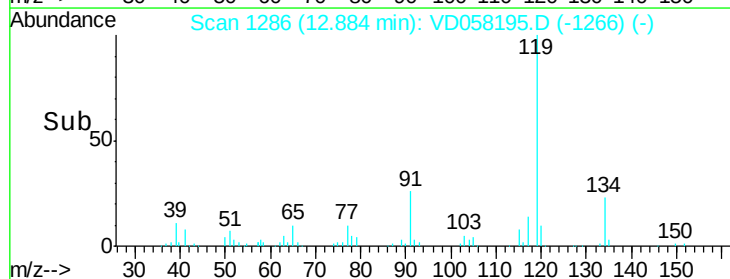
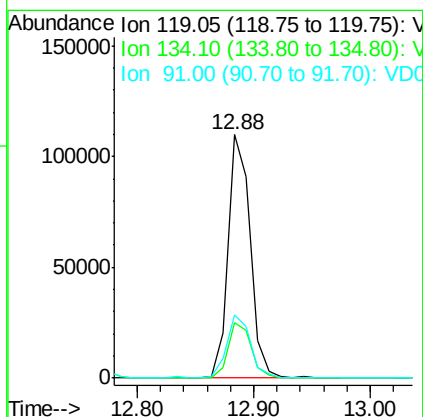
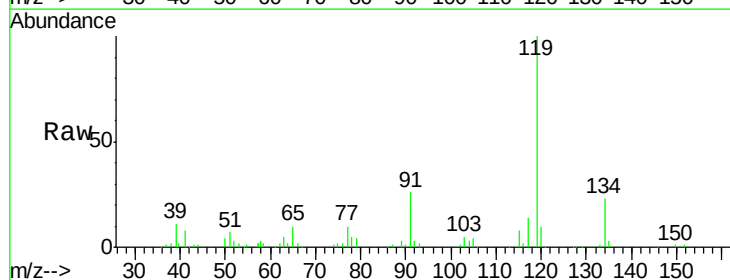
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

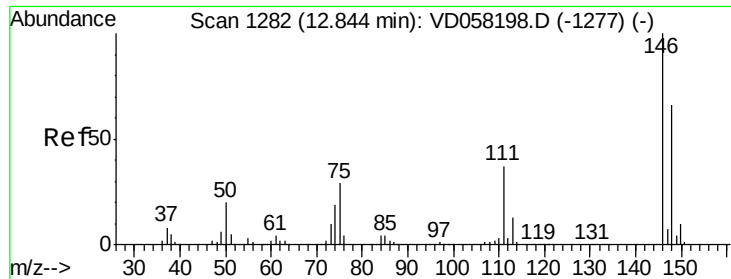
Tot Ion:105 Resp: 188424
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 5.05 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion:119 Resp: 144154
 Ion Ratio Lower Upper
 119 100
 134 22.6 11.6 34.8
 91 26.2 15.0 45.1

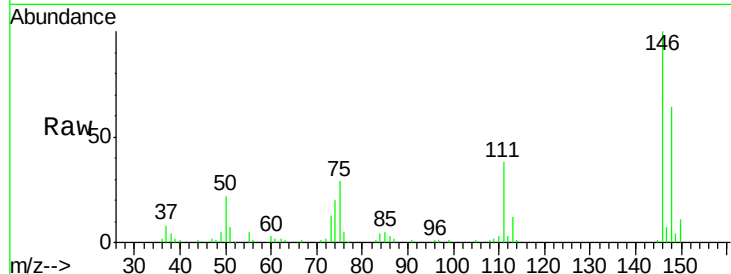




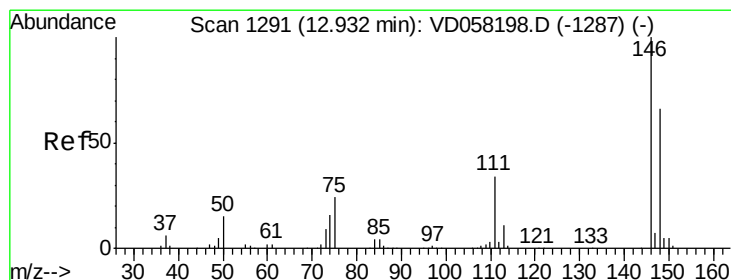
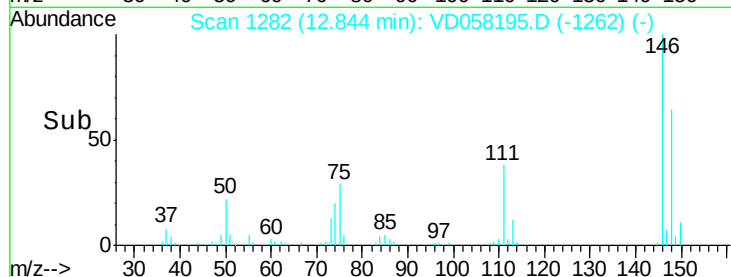
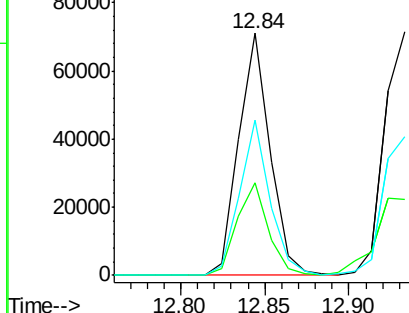
#87
 1,3-Dichlorobenzene
 Concen: 5.44 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion:146 Resp: 91611
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.0
 148 64.0 32.8 98.4

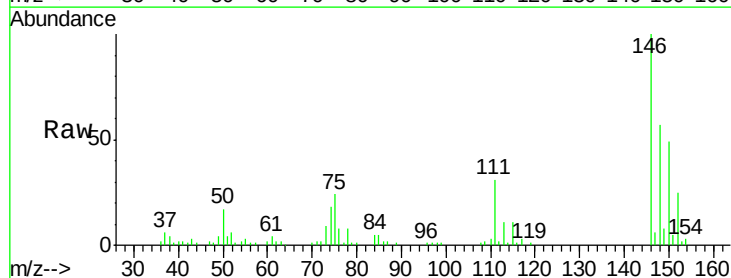


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

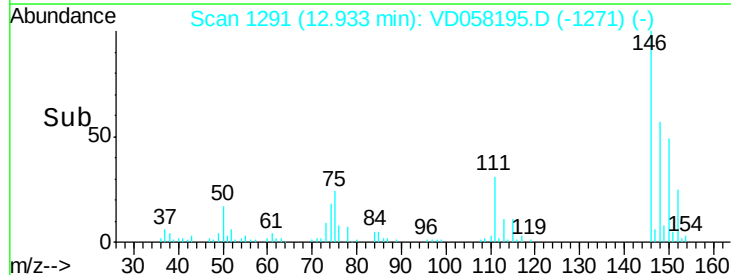
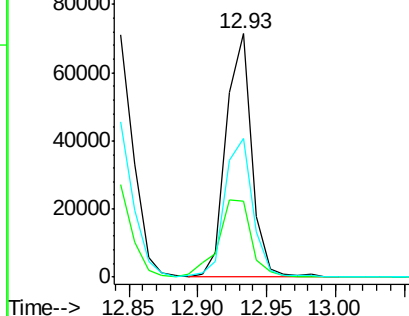


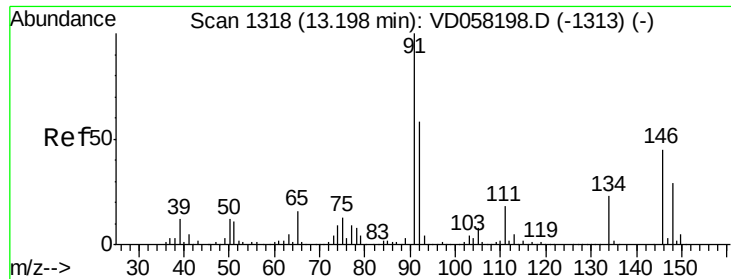
#88
 1,4-Dichlorobenzene
 Concen: 5.59 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion:146 Resp: 92290
 Ion Ratio Lower Upper
 146 100
 111 31.3 17.2 51.5
 148 56.7 33.1 99.3



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: 5.35 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058195.D

Acq: 19 Jun 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

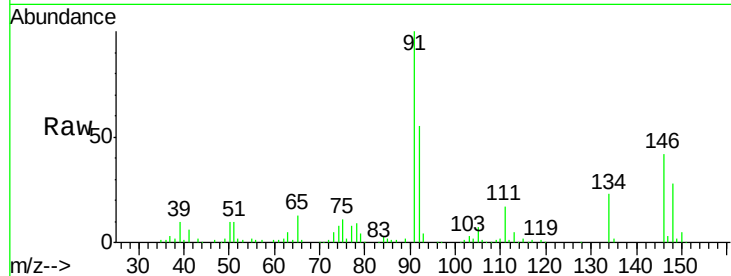
Tot Ion: 91 Resp: 159196

Ion Ratio Lower Upper

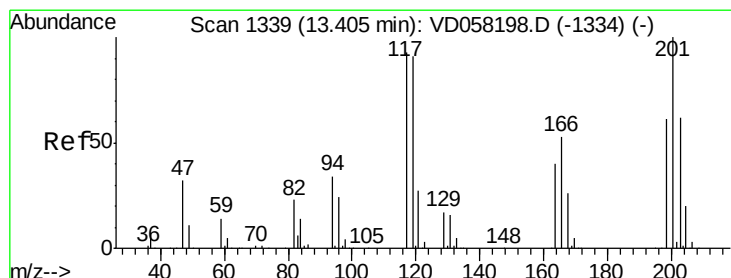
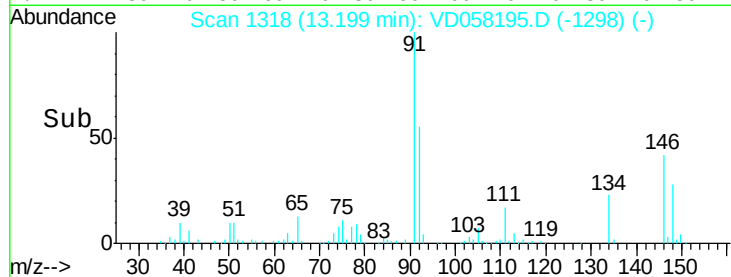
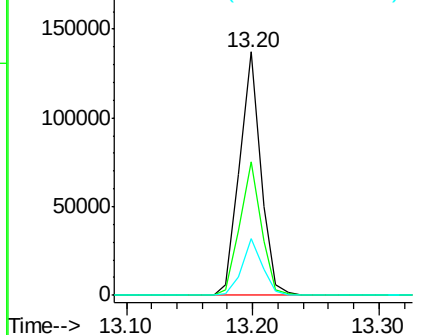
91 100

92 55.0 29.2 87.6

134 23.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 4.79 ug/l

RT: 13.41 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD058195.D

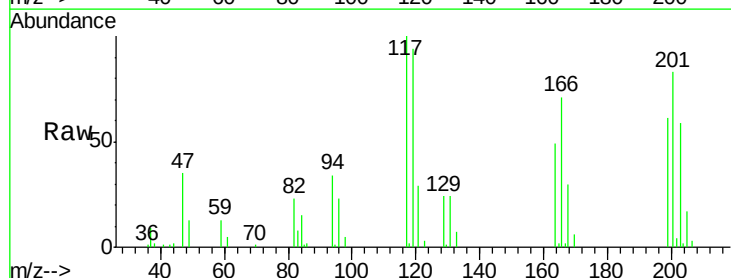
Acq: 19 Jun 2018 15:34

Tgt Ion: 117 Resp: 35126

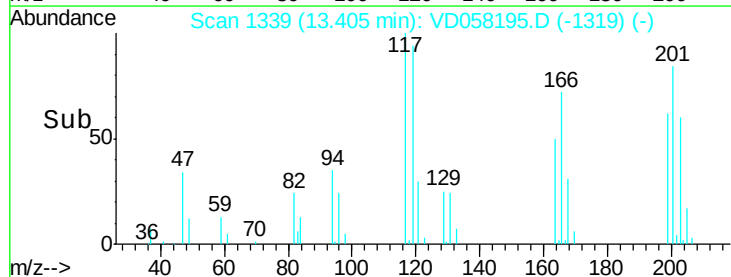
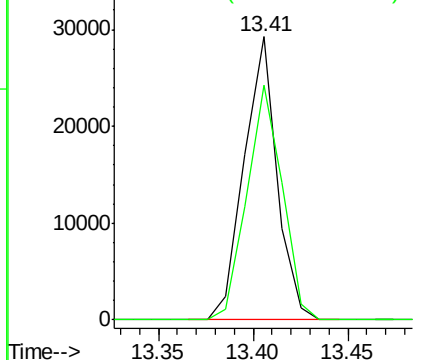
Ion Ratio Lower Upper

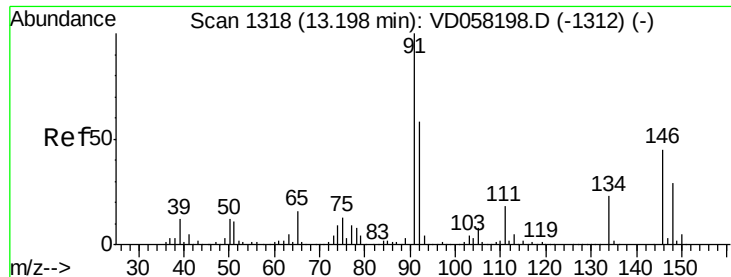
117 100

201 83.0 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

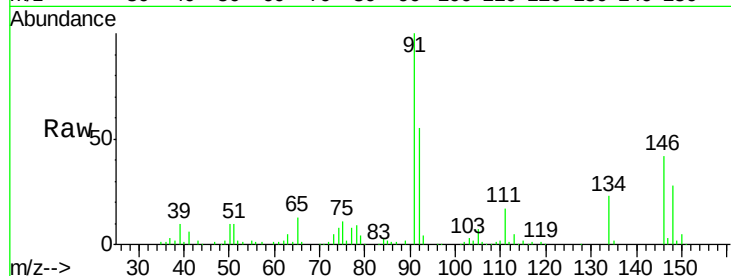




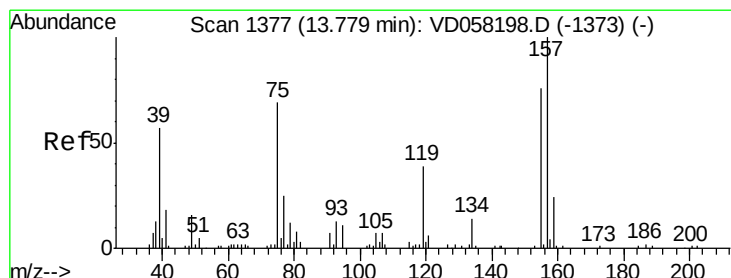
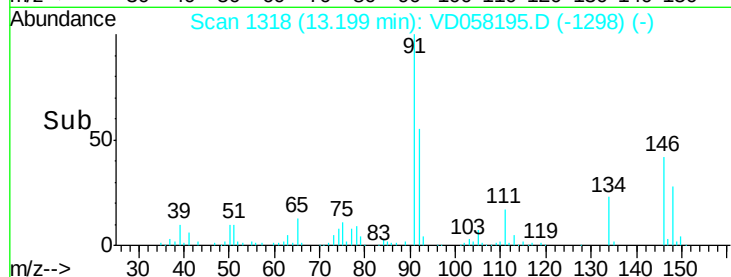
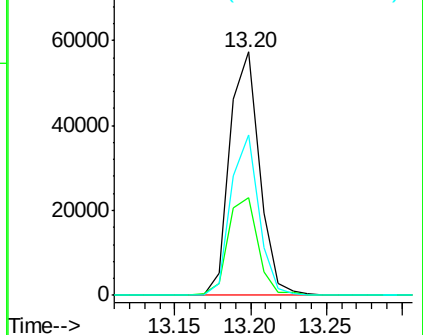
#91
 1,2-Dichlorobenzene
 Concen: 5.65 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:146 Resp: 78212
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.6 58.7
 148 65.9 32.0 96.2

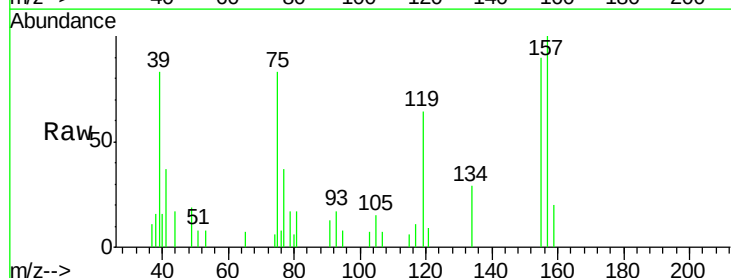


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

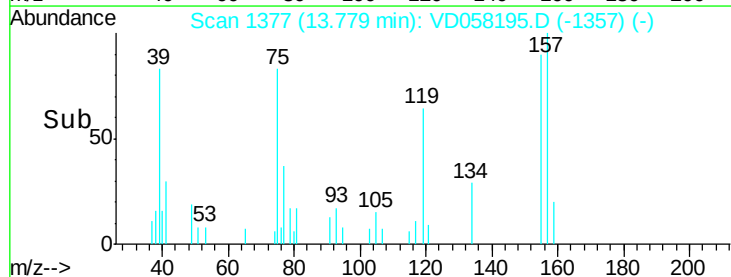
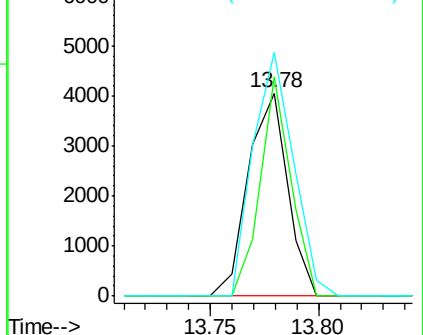


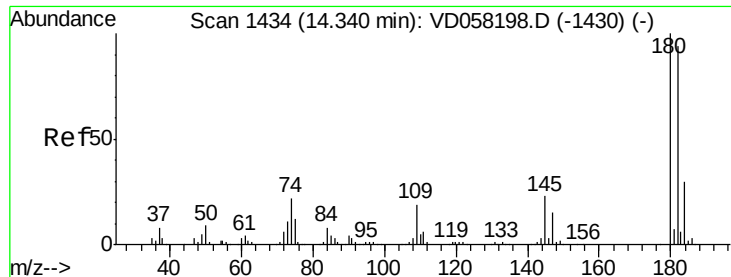
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.43 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion: 75 Resp: 5101
 Ion Ratio Lower Upper
 75 100
 155 108.0 54.5 163.5
 157 119.9 72.0 215.9



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

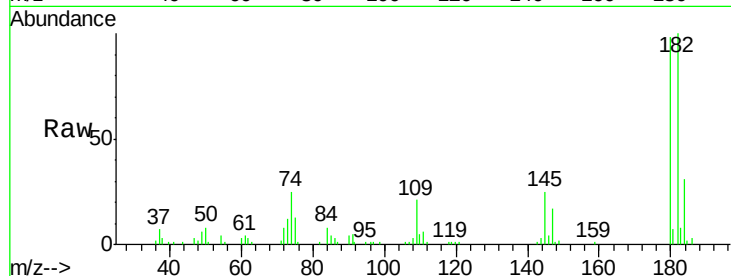




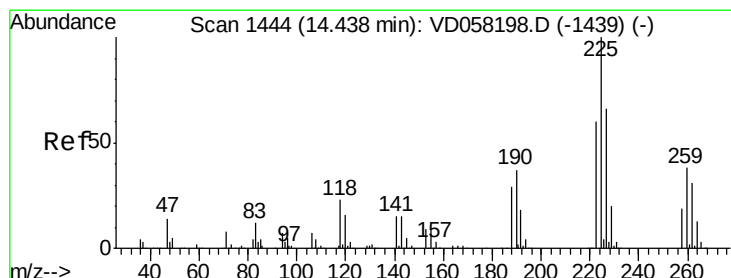
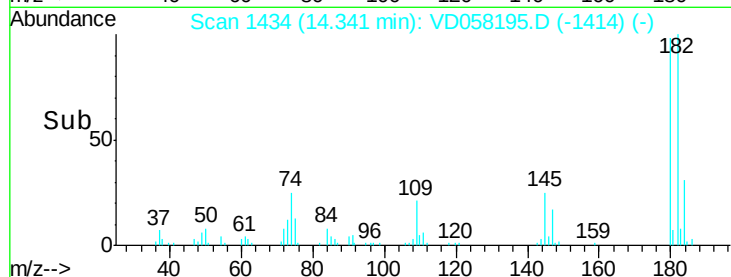
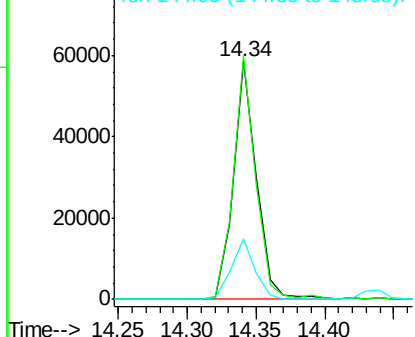
#93
 1,2,4-Trichlorobenzene
 Concen: 5.27 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 68083
 Ion Ratio Lower Upper
 180 100
 182 102.2 47.1 141.3
 145 25.2 11.7 35.0

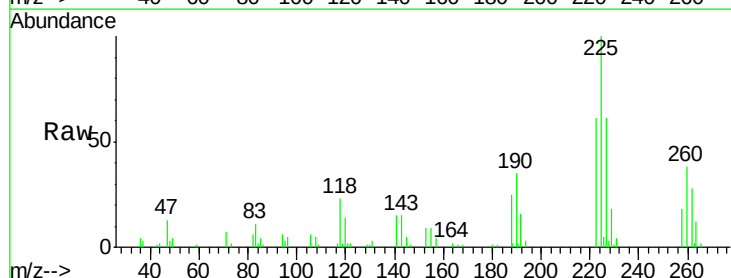


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

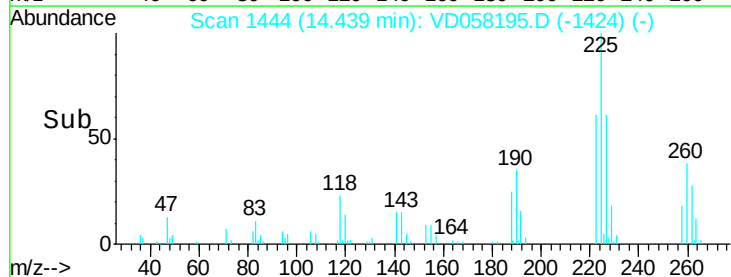
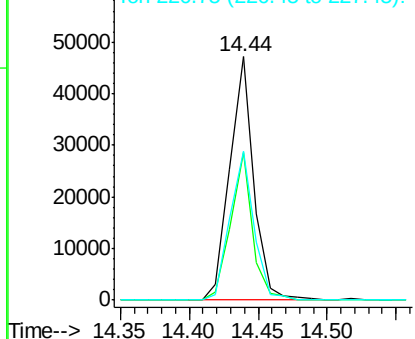


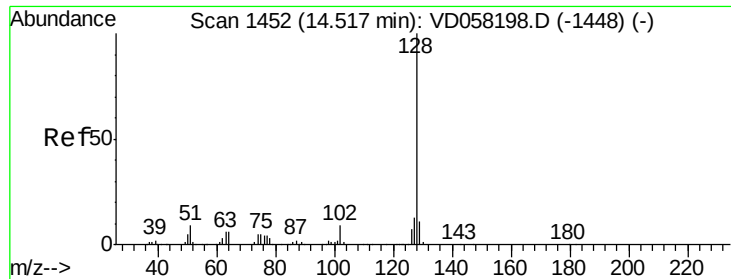
#94
 Hexachlorobutadiene
 Concen: 5.66 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058195.D
 Acq: 19 Jun 2018 15:34

Tgt Ion:225 Resp: 56981
 Ion Ratio Lower Upper
 225 100
 223 60.9 30.1 90.3
 227 61.4 33.0 98.9



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

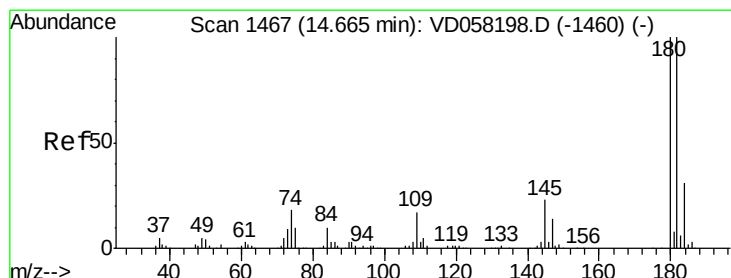
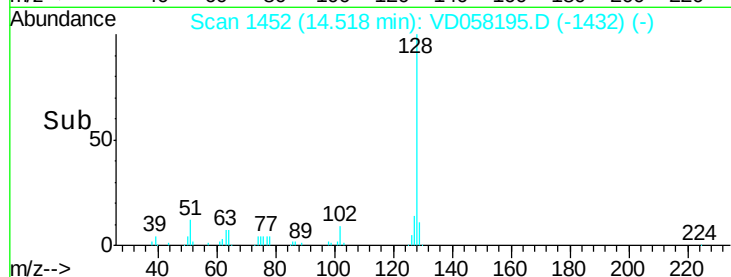
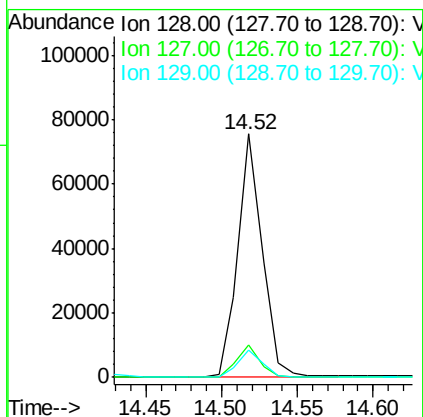
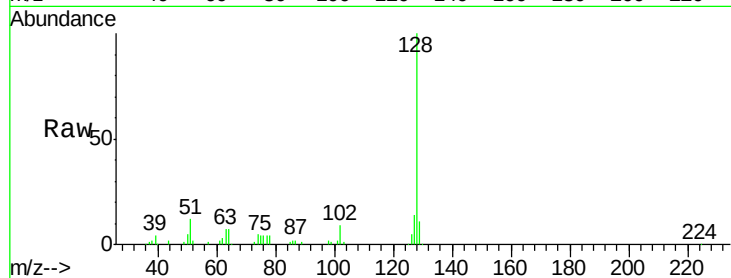




#95
Naphthalene
Concen: 5.03 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 85229
Ion Ratio Lower Upper
128 100
127 13.6 10.0 15.0
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 5.80 ug/l
RT: 14.67 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD058195.D
Acq: 19 Jun 2018 15:34

Tgt Ion:180 Resp: 64140
Ion Ratio Lower Upper
180 100
182 89.9 49.9 149.6
145 25.5 11.7 35.1

