

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082218\
 Data File : VD059878.D
 Acq On : 22 Aug 2018 16:22
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 23 01:19:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1165534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1588428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1323446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	711809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	215331	22.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.98%	
35) Dibromofluoromethane	6.33	113	268747	22.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.30%	
50) Toluene-d8	9.47	98	753980	22.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.16%	
62) 4-Bromofluorobenzene	12.44	95	311122	23.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	210276	20.691	ug/l	96
3) Chloromethane	1.75	50	207372	22.097	ug/l	98
4) Vinyl Chloride	1.84	62	151380	20.527	ug/l	95
5) Bromomethane	2.15	94	48703	56.197	ug/l	88
6) Chloroethane	2.25	64	58433	31.203	ug/l	100
7) Trichlorofluoromethane	2.50	101	189307	23.670	ug/l	100
8) Diethyl Ether	2.83	74	40614	22.194	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.08	101	115223	22.641	ug/l	92
10) Methyl Iodide	3.24	142	84072	17.477	ug/l	96
11) Tert butyl alcohol	3.97	59	85356	111.820	ug/l	96
12) 1,1-Dichloroethene	3.07	96	87725	22.639	ug/l	95
13) Acrolein	2.98	56	34733	114.717	ug/l	97
14) Allyl chloride	3.53	41	197814	21.678	ug/l	99
15) Acrylonitrile	4.08	53	304916	109.460	ug/l	99
16) Acetone	3.16	43	211772	124.702	ug/l	99
17) Carbon Disulfide	3.32	76	270856	22.475	ug/l	98
18) Methyl Acetate	3.55	43	76993	20.559	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	494649	21.329	ug/l	97
20) Methylene Chloride	3.71	84	270132	19.387	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	234670	21.384	ug/l	96
22) Diisopropyl ether	4.85	45	978334	21.070	ug/l	96
23) Vinyl Acetate	4.80	43	2853714	110.284	ug/l	100
24) 1,1-Dichloroethane	4.75	63	424251	21.187	ug/l	99
25) 2-Butanone	5.63	43	601934	118.683	ug/l	98
26) 2,2-Dichloropropane	5.59	77	346937	21.209	ug/l	94
27) cis-1,2-Dichloroethene	5.60	96	249850	20.510	ug/l	99
28) Bromochloromethane	5.93	49	201553	20.955	ug/l	95
29) Tetrahydrofuran	5.96	42	271986	107.473	ug/l	99
30) Chloroform	6.11	83	425118	20.796	ug/l	99
31) Cyclohexane	6.38	56	384283	21.010	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	367932	21.220	ug/l	98
36) 1,1-Dichloropropene	6.54	75	308443	21.896	ug/l	98
37) Ethyl Acetate	5.70	43	249604	22.080	ug/l	98
38) Carbon Tetrachloride	6.51	117	304599	21.333	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	327689	21.074	ug/l	97
40) Benzene	6.80	78	800742	21.690	ug/l	99
41) Methacrylonitrile	5.95	41	278043	27.407	ug/l #	79
42) 1,2-Dichloroethane	6.90	62	259525	21.552	ug/l	99
43) Isopropyl Acetate	8.36	43	318533	21.444	ug/l	97
44) Trichloroethene	7.76	130	230775	21.281	ug/l	99
45) 1,2-Dichloropropane	8.11	63	220640	21.109	ug/l	97
46) Dibromomethane	8.23	93	140648	20.996	ug/l	97
47) Bromodichloromethane	8.50	83	330968	21.857	ug/l	98
48) Methyl methacrylate	8.26	41	183216	21.911	ug/l	98
49) 1,4-Dioxane	8.24	88	33046	433.411	ug/l	95
51) 4-Methyl-2-Pentanone	9.35	43	1296917	125.625	ug/l	97
52) Toluene	9.56	92	506786	21.335	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	304486	21.666	ug/l	94
54) cis-1,3-Dichloropropene	9.11	75	350388	21.422	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	181428	20.968	ug/l	98
56) Ethyl methacrylate	10.04	69	219828	21.355	ug/l	97
57) 1,3-Dichloropropane	10.39	76	277342	21.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.94	63	511637	104.301	ug/l	98
59) 2-Hexanone	10.50	43	971683	129.790	ug/l	98
60) Dibromochloromethane	10.65	129	235717	21.391	ug/l	98
61) 1,2-Dibromoethane	10.77	107	190071	21.301	ug/l	96
64) Tetrachloroethene	10.26	164	215015	21.262	ug/l	98
65) Chlorobenzene	11.33	112	552738	21.293	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	209008	22.245	ug/l	99
67) Ethyl Benzene	11.44	91	982108	23.150	ug/l	98
68) m/p-Xylenes	11.57	106	737191	48.147	ug/l	96
69) o-Xylene	11.95	106	348234	23.169	ug/l	99
70) Styrene	11.97	104	602703	23.085	ug/l	98
71) Bromoform	12.12	173	175022	20.989	ug/l	98
73) Isopropylbenzene	12.28	105	947978	21.120	ug/l	99
74) N-amyl acetate	12.14	43	418705	20.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	224790	21.786	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	229962	20.700	ug/l	100
77) Bromobenzene	12.55	156	262690	21.077	ug/l	95
78) n-propylbenzene	12.65	91	1219739	21.867	ug/l	99
79) 2-Chlorotoluene	12.72	91	683302	21.501	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	766121	21.961	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	72591	21.220	ug/l	95
82) 4-Chlorotoluene	12.82	91	808125	22.777	ug/l	99
83) tert-Butylbenzene	13.06	119	874457	21.564	ug/l	100
84) 1,2,4-Trimethylbenzene	13.10	105	783509	21.318	ug/l	98
85) sec-Butylbenzene	13.23	105	980582	20.639	ug/l	99
86) p-Isopropyltoluene	13.35	119	839432	21.841	ug/l	99
87) 1,3-Dichlorobenzene	13.33	146	469816	21.239	ug/l	100
88) 1,4-Dichlorobenzene	13.40	146	473093	21.444	ug/l	99
89) n-Butylbenzene	13.66	91	896363	23.739	ug/l	99
90) Hexachloroethane	13.87	117	218199	20.849	ug/l	98
91) 1,2-Dichlorobenzene	13.67	146	424279	23.009	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	34770	21.361	ug/l	99

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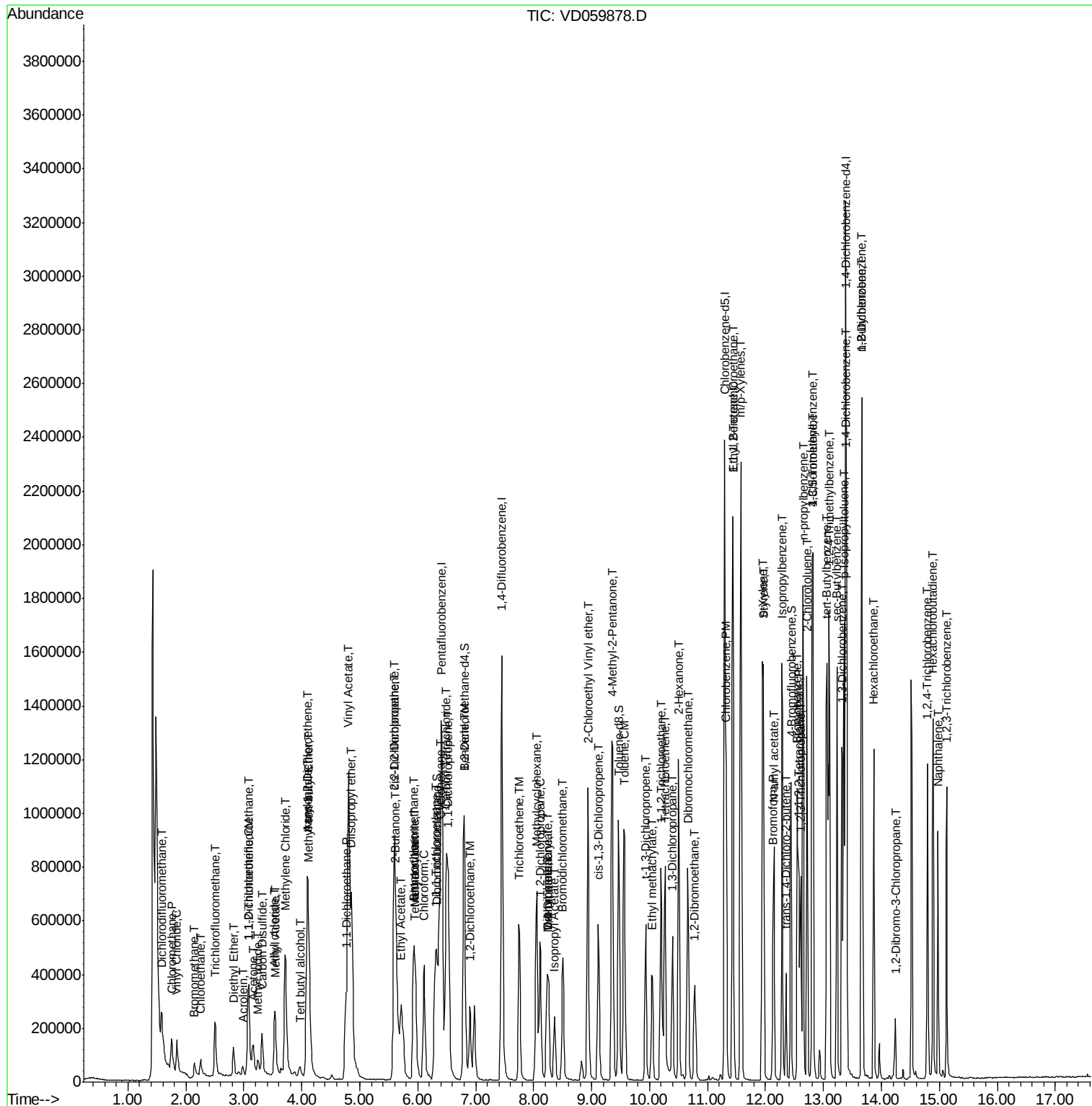
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	346974	21.916	ug/l	99
94) Hexachlorobutadiene	14.89	225	228959	21.801	ug/l	98
95) Naphthalene	14.98	128	533763	21.244	ug/l	99
96) 1,2,3-Trichlorobenzene	15.13	180	293295	21.125	ug/l	99

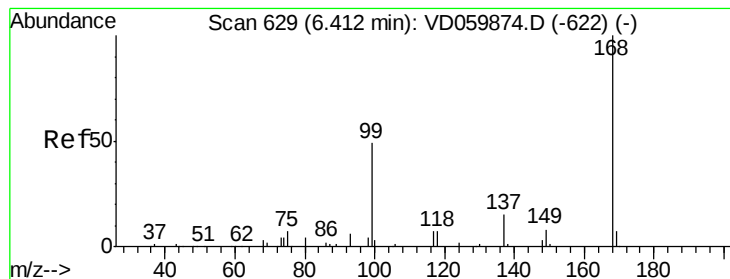
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

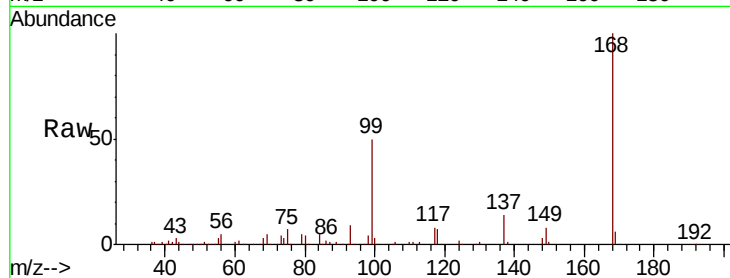
VSTDIC020

Tgt Ion:168 Resp: 1165534

Ion Ratio Lower Upper

168 100

99 50.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

400000

300000

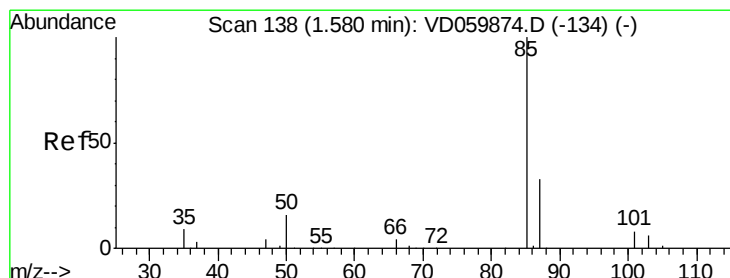
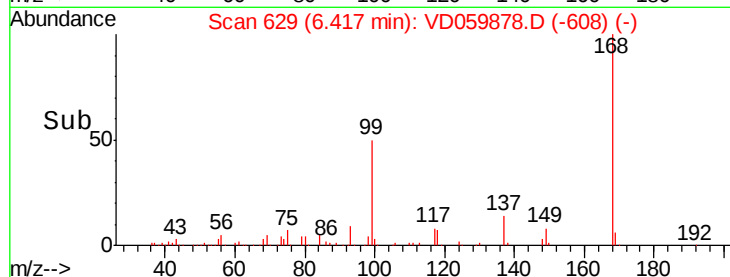
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 20.691 ug/l

RT: 1.59 min Scan# 138

Delta R.T. 0.01 min

Lab File: VD059878.D

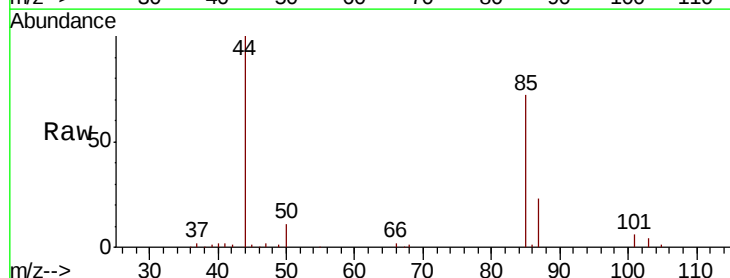
Acq: 22 Aug 2018 16:22

Tgt Ion: 85 Resp: 210276

Ion Ratio Lower Upper

85 100

87 31.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

80000

60000

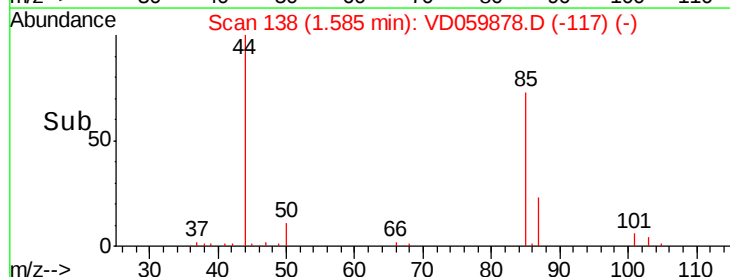
40000

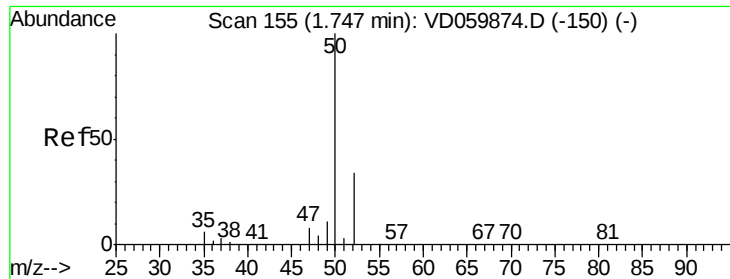
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 22.097 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

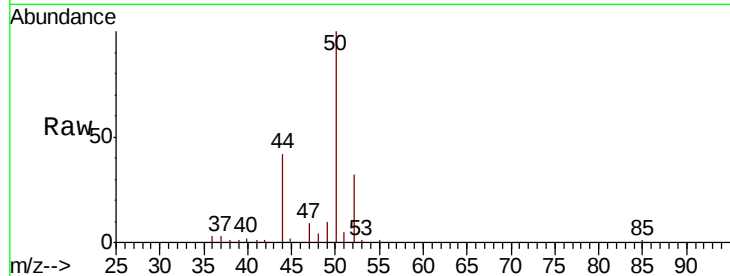
VSTDIC020

Tgt Ion: 50 Resp: 207372

Ion Ratio Lower Upper

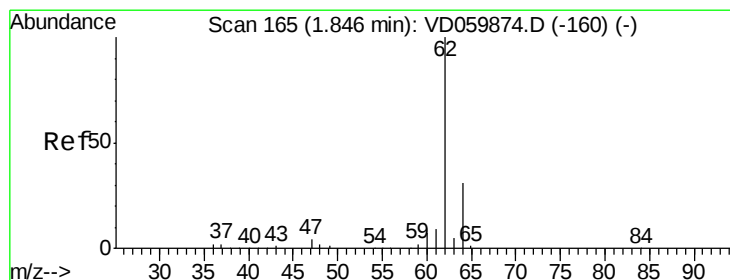
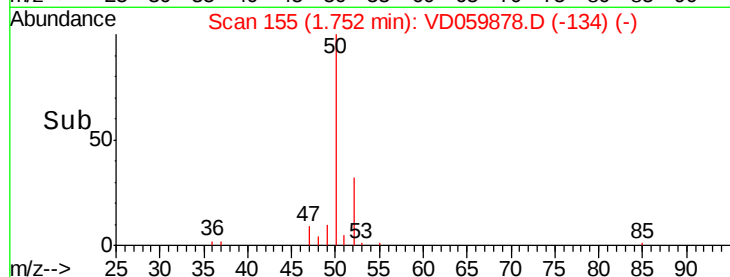
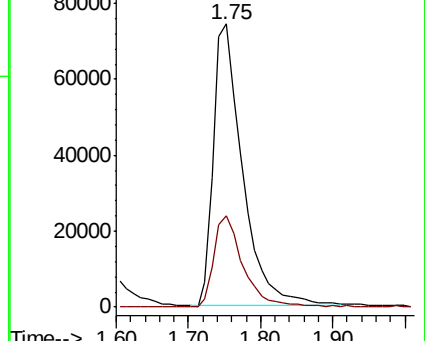
50 100

52 32.4 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.527 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD059878.D

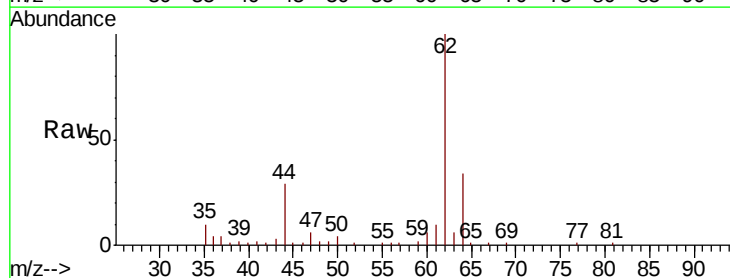
Acq: 22 Aug 2018 16:22

Tgt Ion: 62 Resp: 151380

Ion Ratio Lower Upper

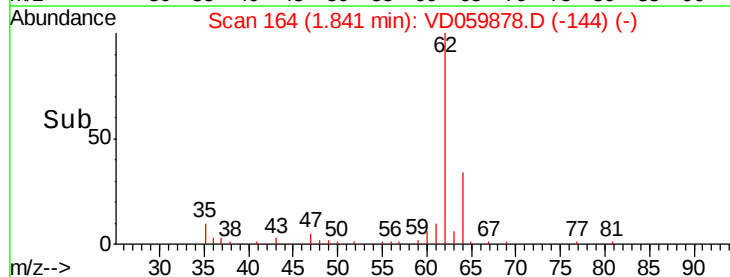
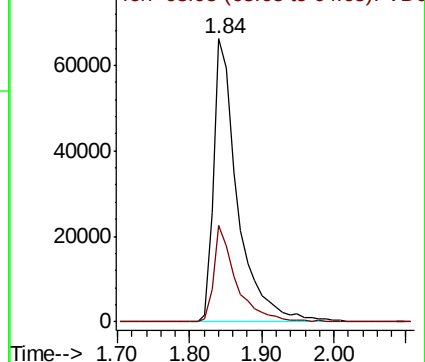
62 100

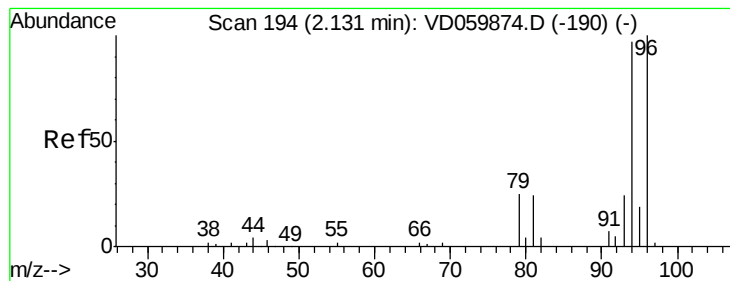
64 34.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 56.197 ug/l

RT: 2.15 min Scan# 195

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

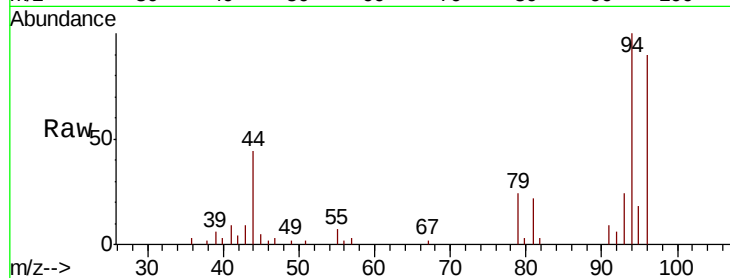
VSTDIC020

Tgt Ion: 94 Resp: 48703

Ion Ratio Lower Upper

94 100

96 90.5 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.15

20000

15000

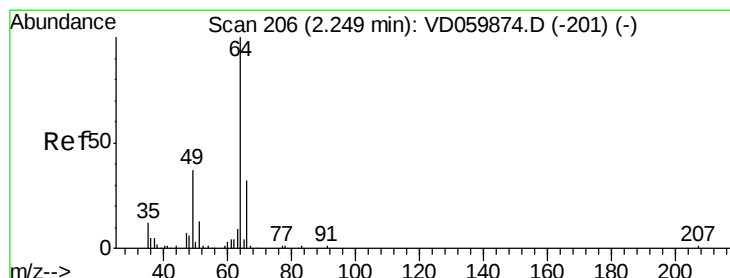
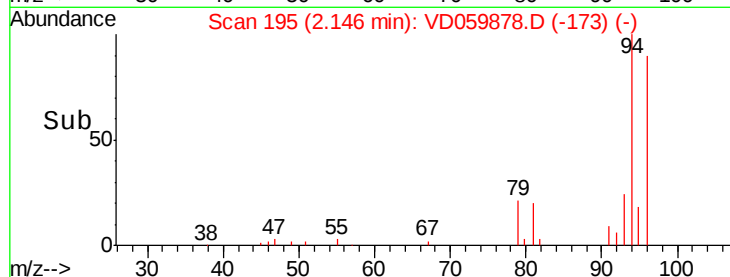
10000

5000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 31.203 ug/l

RT: 2.25 min Scan# 206

Delta R.T. 0.01 min

Lab File: VD059878.D

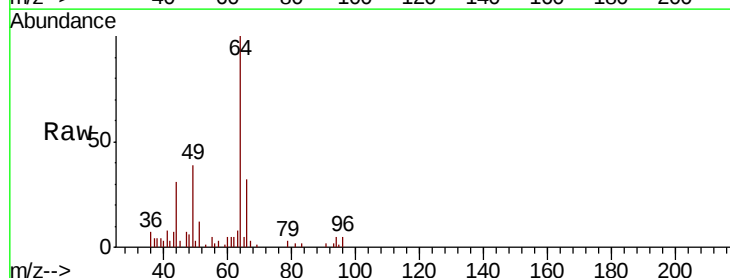
Acq: 22 Aug 2018 16:22

Tgt Ion: 64 Resp: 58433

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

30000

25000

20000

15000

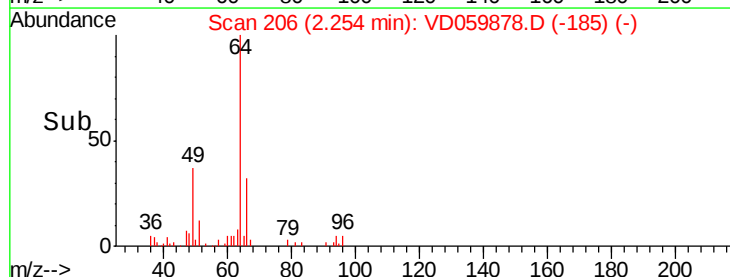
10000

5000

0

Time-->

2.20 2.30 2.40



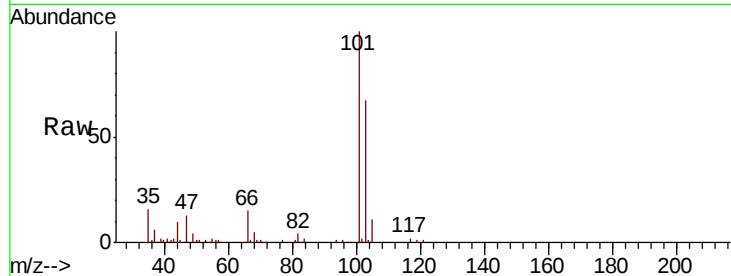


#7

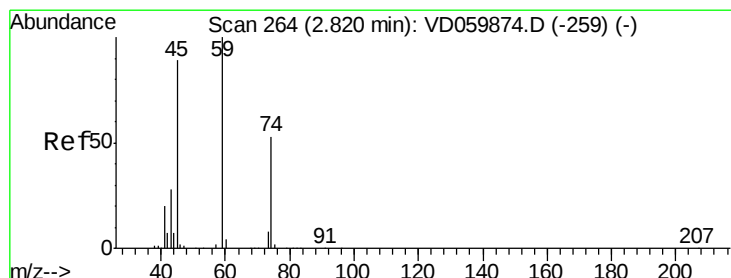
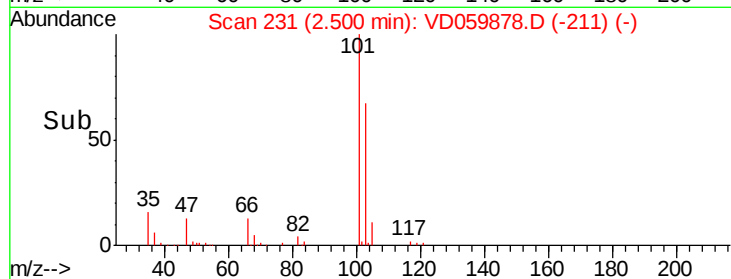
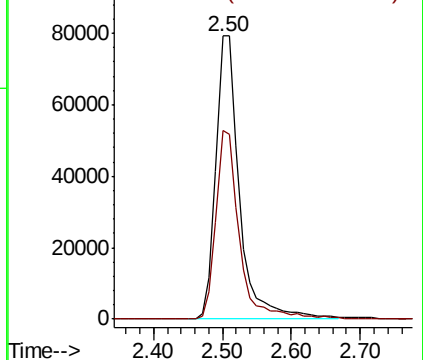
Trichlorofluoromethane
 Concen: 23.670 ug/l
 RT: 2.50 min Scan# 231
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
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Tgt Ion:101 Resp: 189307
 Ion Ratio Lower Upper
 101 100
 103 66.8 53.7 80.5



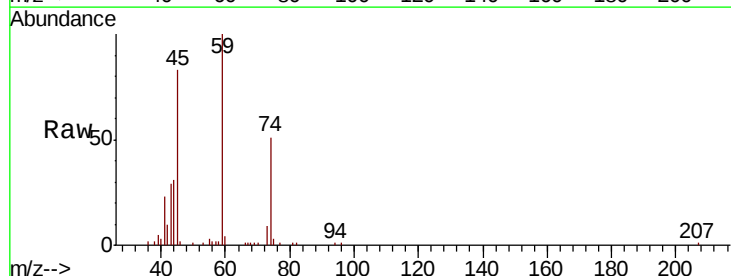
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



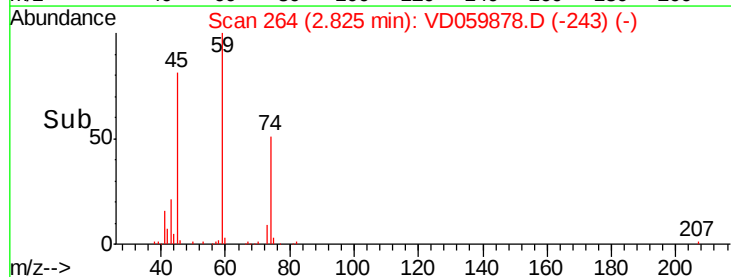
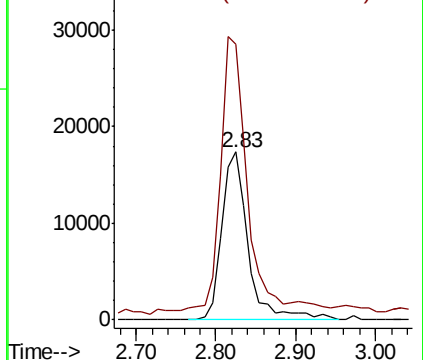
#8

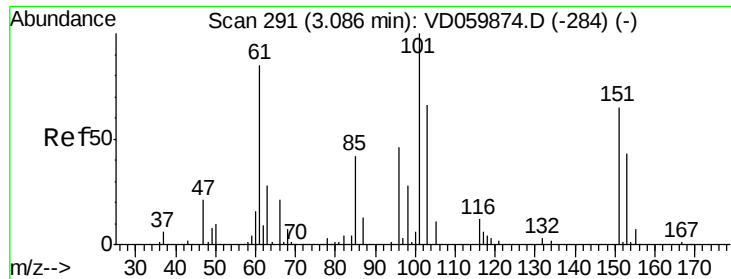
Diethyl Ether
 Concen: 22.194 ug/l
 RT: 2.83 min Scan# 264
 Delta R.T. 0.01 min
 Lab File: VD059878.D
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Tgt Ion: 74 Resp: 40614
 Ion Ratio Lower Upper
 74 100
 45 164.2 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.641 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

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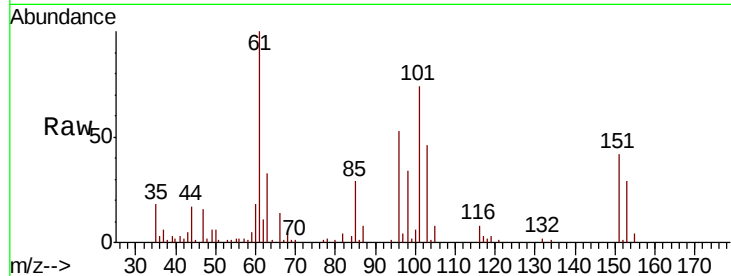
Tgt Ion:101 Resp: 115223

Ion Ratio Lower Upper

101 100

85 39.5 33.6 50.4

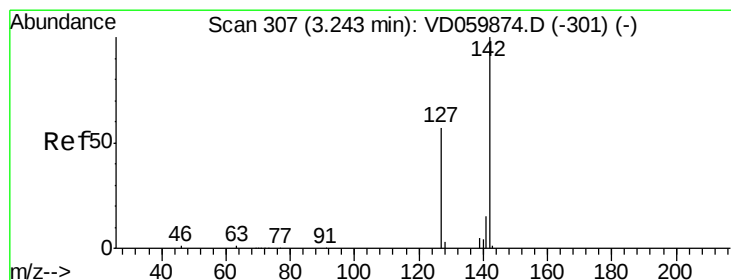
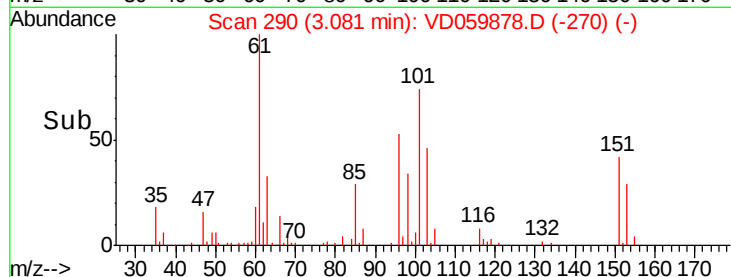
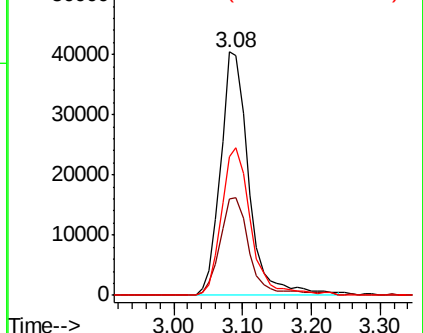
151 57.0 52.0 78.0



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: 17.477 ug/l

RT: 3.24 min Scan# 306

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

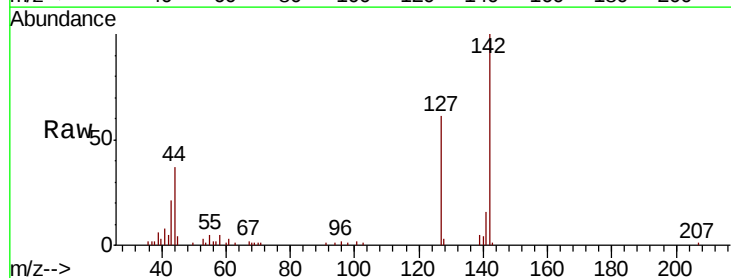
Tgt Ion:142 Resp: 84072

Ion Ratio Lower Upper

142 100

127 60.5 45.8 68.6

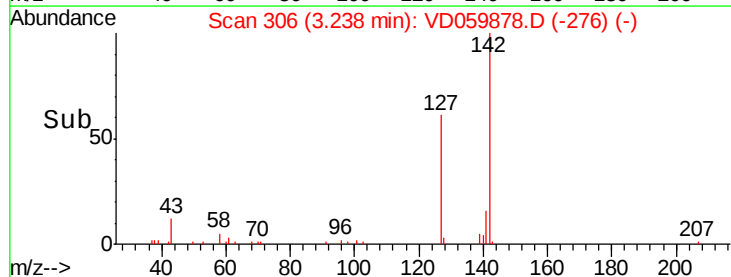
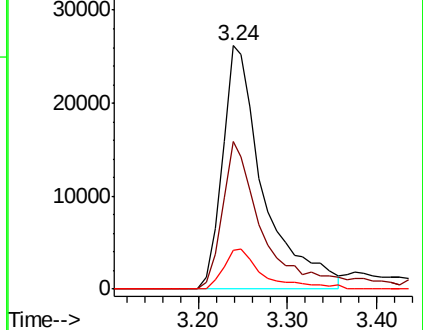
141 15.9 11.6 17.4

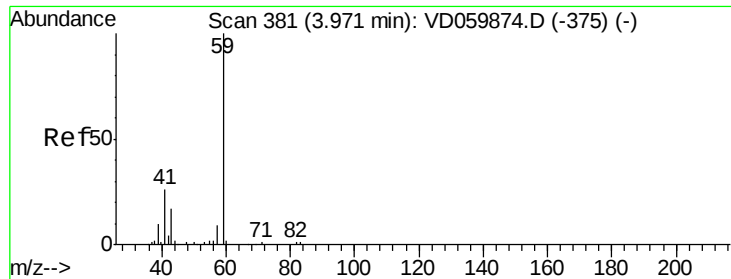


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

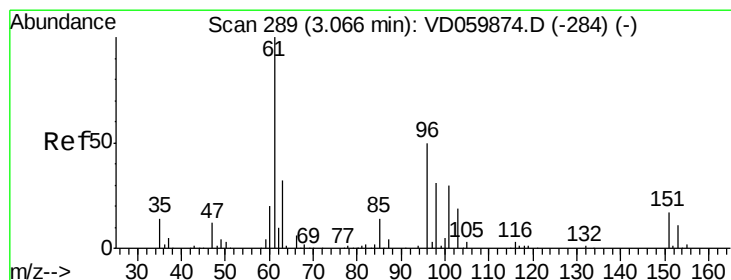
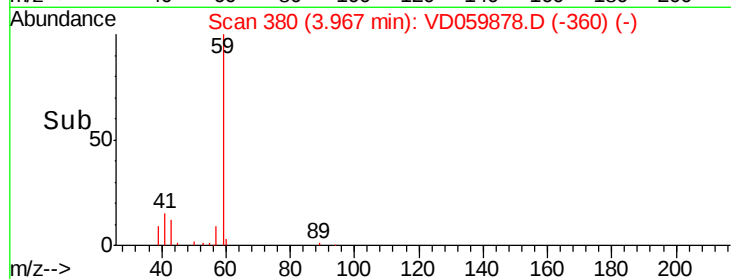
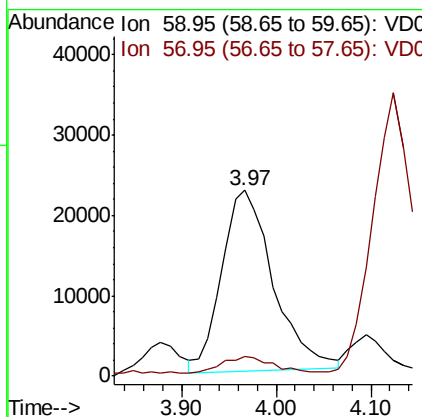
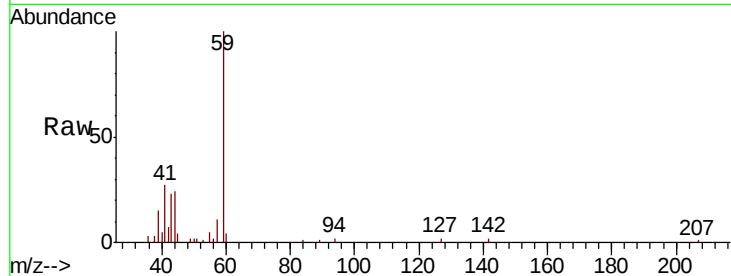




#11
Tert butyl alcohol
Concen: 111.820 ug/l
RT: 3.97 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

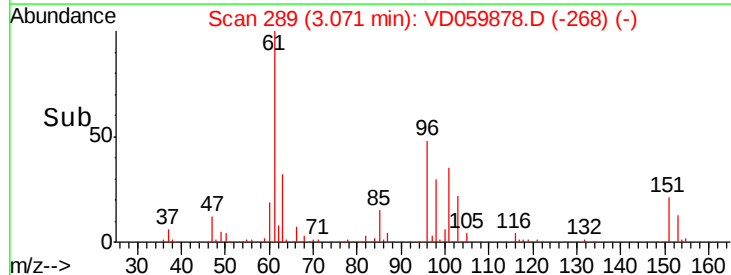
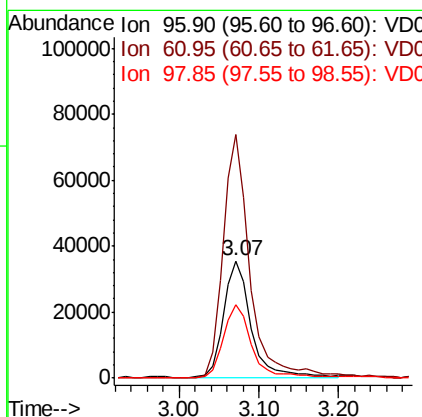
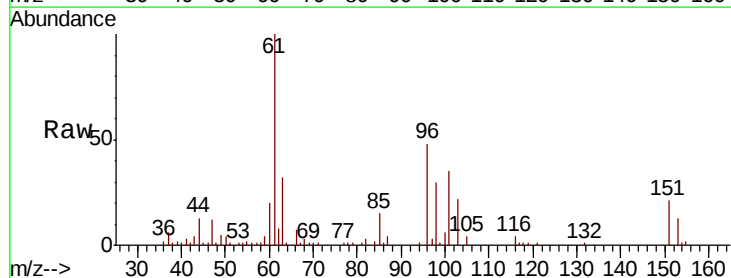
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

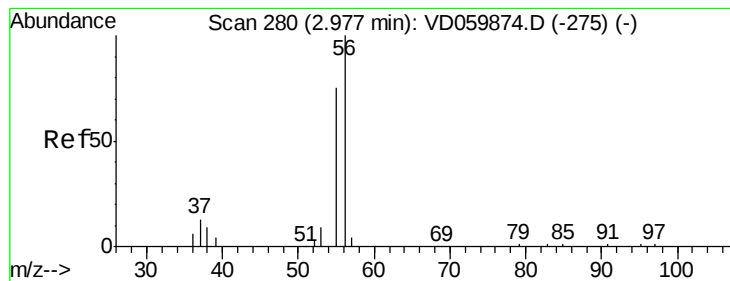
Tgt Ion: 59 Resp: 85356
Ion Ratio Lower Upper
59 100
57 10.7 7.4 11.0



#12
1,1-Dichloroethene
Concen: 22.639 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 96 Resp: 87725
Ion Ratio Lower Upper
96 100
61 207.5 158.8 238.2
98 62.3 48.7 73.1





#13

Acrolein

Concen: 114.717 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

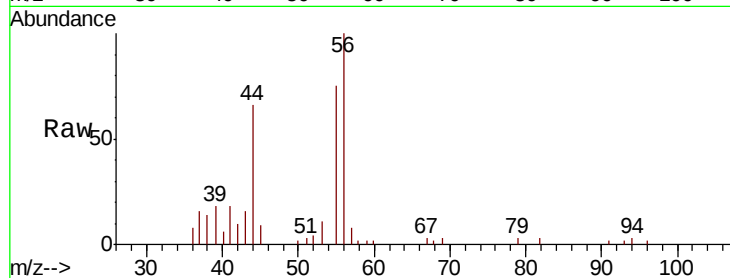
VSTDIC020

Tgt Ion: 56 Resp: 34733

Ion Ratio Lower Upper

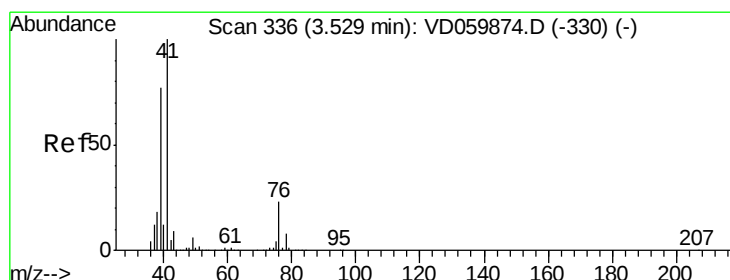
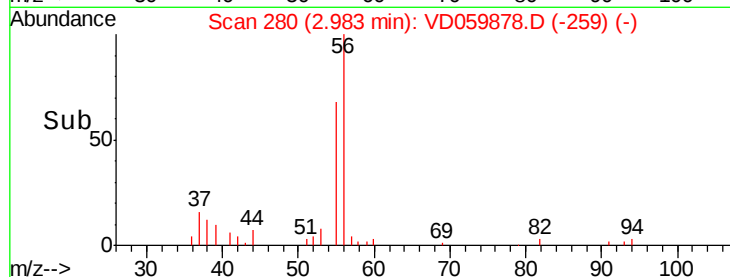
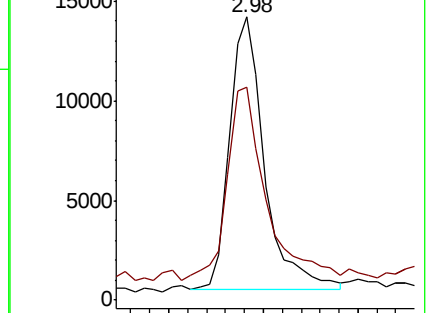
56 100

55 75.1 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.678 ug/l

RT: 3.53 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

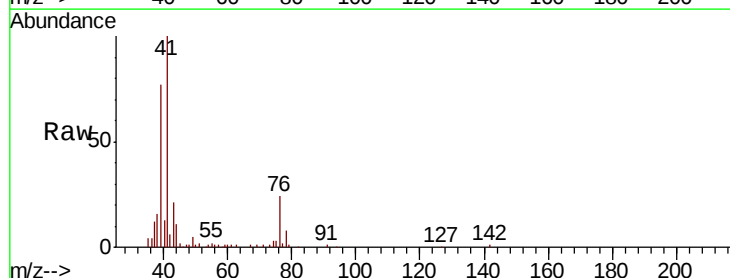
Tgt Ion: 41 Resp: 197814

Ion Ratio Lower Upper

41 100

39 76.6 61.8 92.6

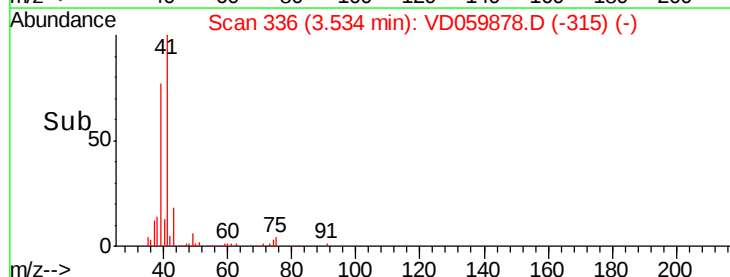
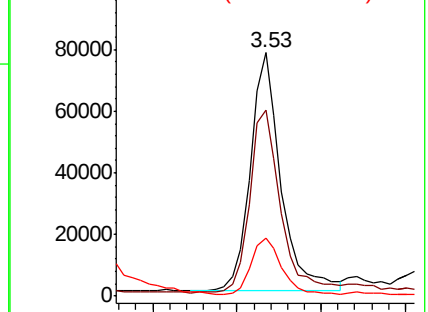
76 23.9 19.4 29.2

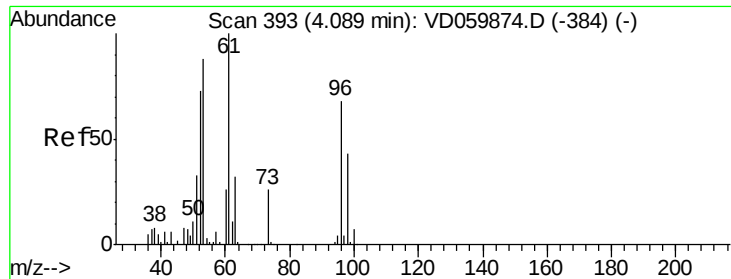


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 109.460 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

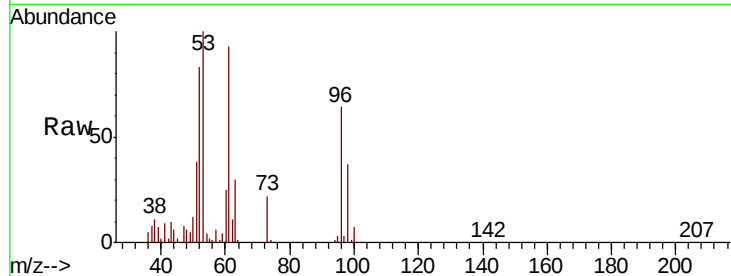
Tgt Ion: 53 Resp: 304916

Ion Ratio Lower Upper

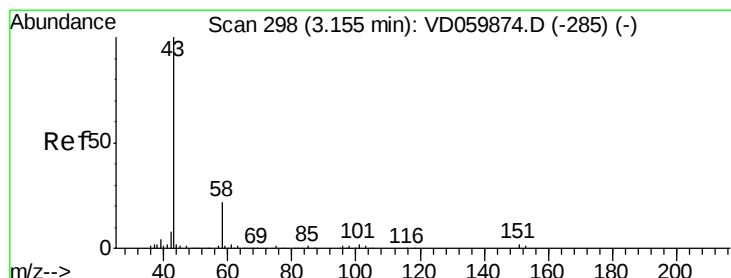
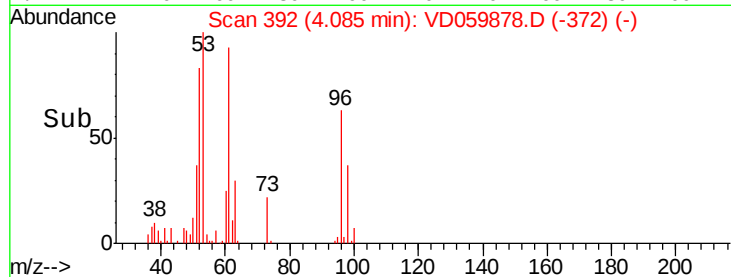
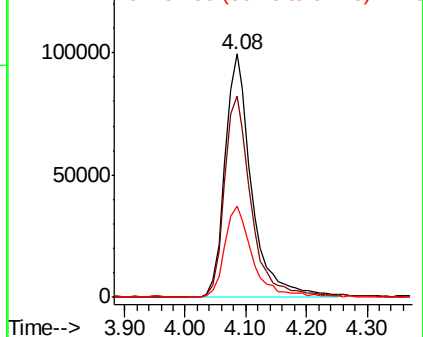
53 100

52 82.9 66.9 100.3

51 37.6 30.3 45.5



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: 124.702 ug/l

RT: 3.16 min Scan# 298

Delta R.T. 0.01 min

Lab File: VD059878.D

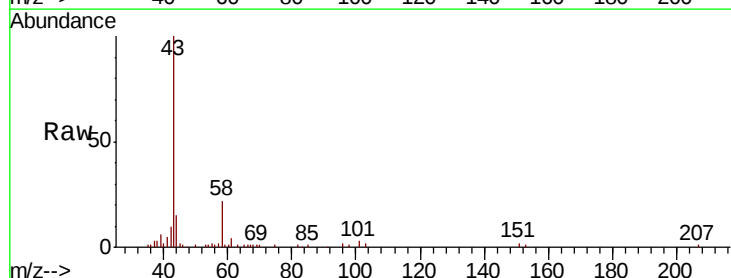
Acq: 22 Aug 2018 16:22

Tgt Ion: 43 Resp: 211772

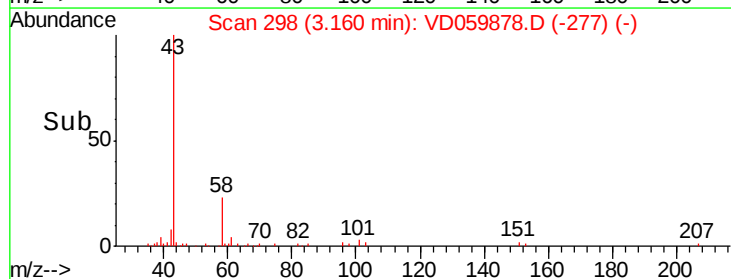
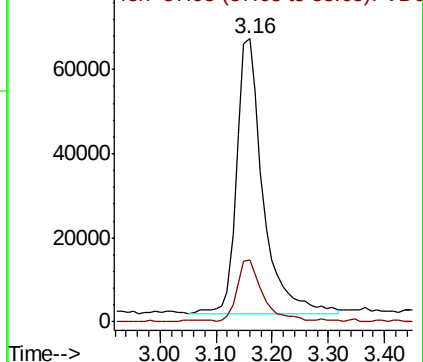
Ion Ratio Lower Upper

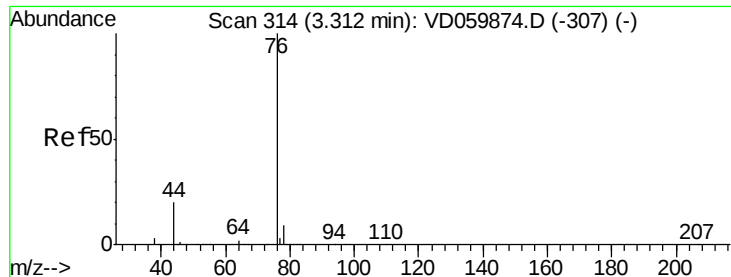
43 100

58 21.7 17.6 26.4



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

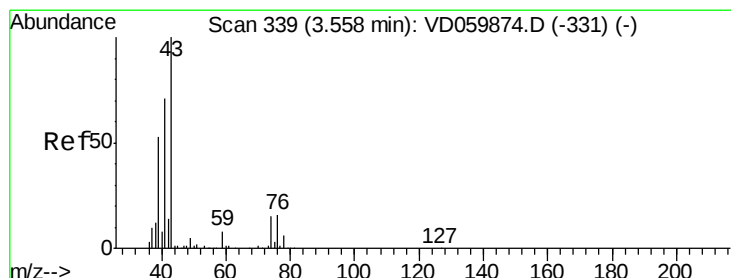
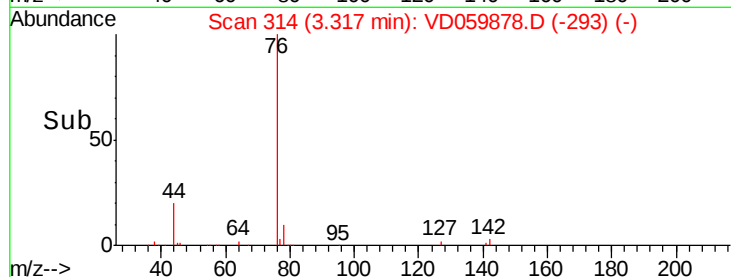
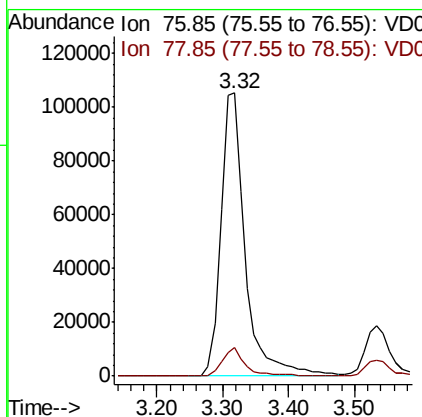
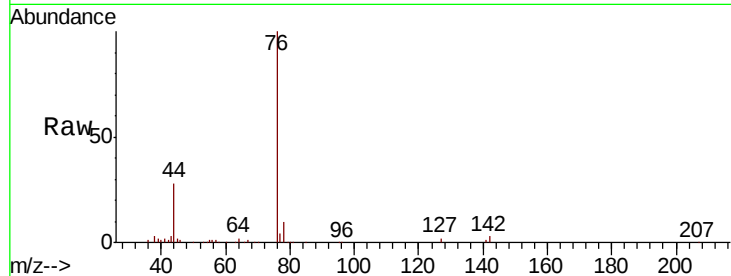




#17
Carbon Disulfide
Concen: 22.475 ug/l
RT: 3.32 min Scan# 314
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

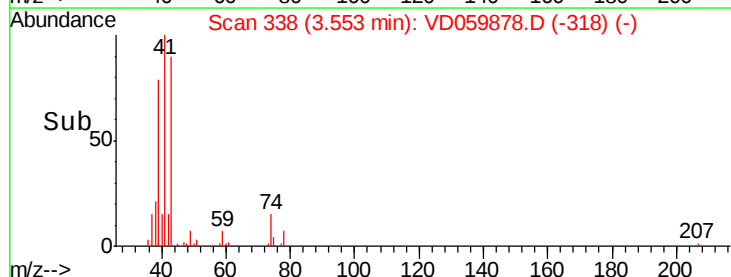
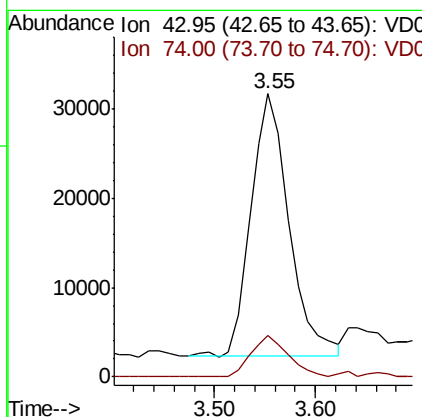
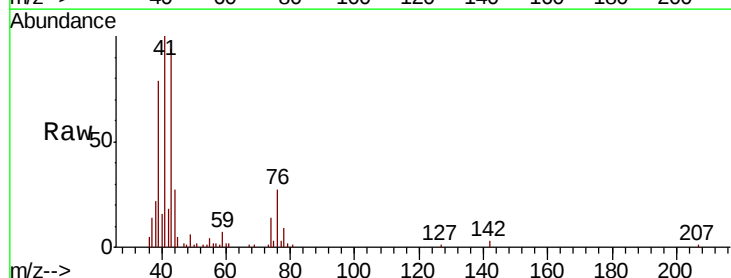
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 270856
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.2



#18
Methyl Acetate
Concen: 20.559 ug/l
RT: 3.55 min Scan# 338
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 43 Resp: 76993
Ion Ratio Lower Upper
43 100
74 14.8 11.2 16.8

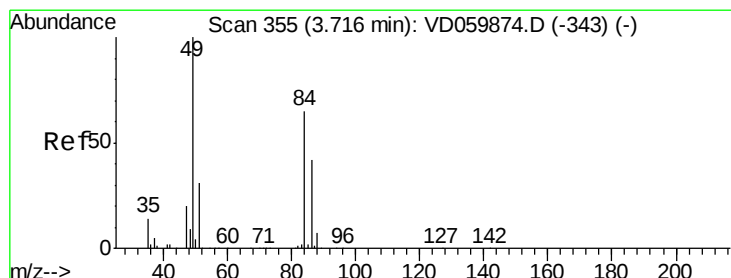
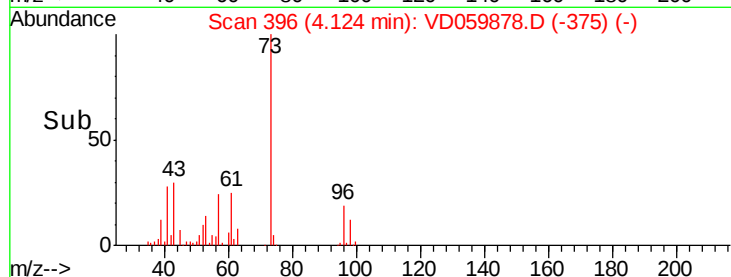
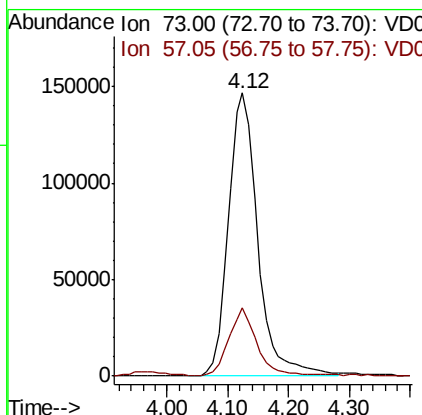
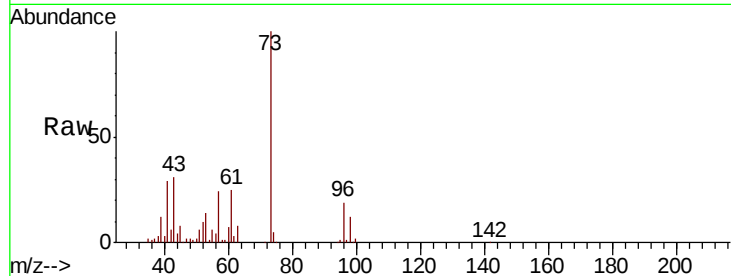




#19
Methyl tert-butyl Ether
Concen: 21.329 ug/l
RT: 4.12 min Scan# 396
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

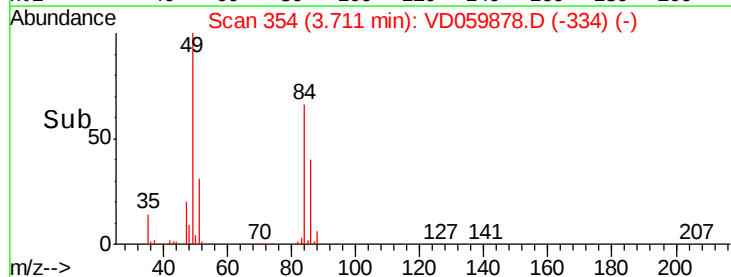
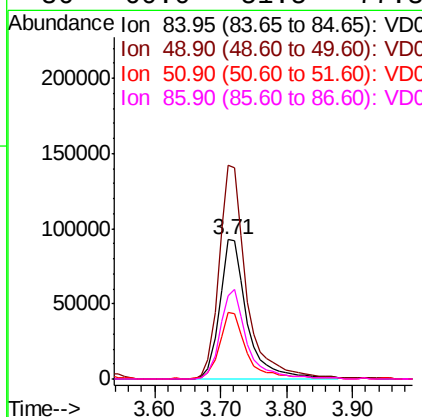
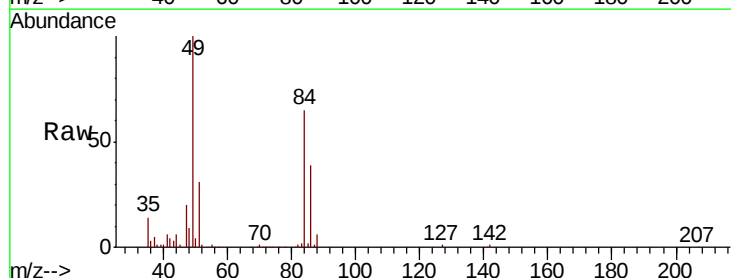
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

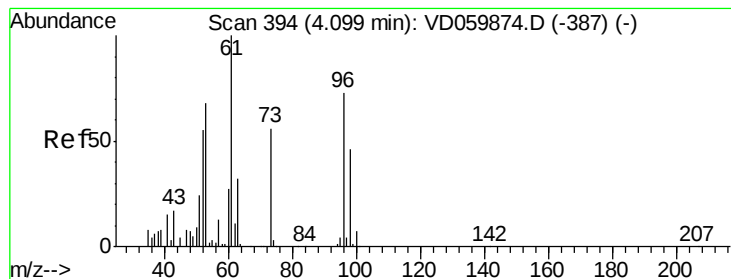
Tgt Ion: 73 Resp: 494649
Ion Ratio Lower Upper
73 100
57 24.0 17.9 26.9



#20
Methylene Chloride
Concen: 19.387 ug/l
RT: 3.71 min Scan# 354
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 84 Resp: 270132
Ion Ratio Lower Upper
84 100
49 153.3 122.6 183.8
51 47.3 38.4 57.6
86 60.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 21.384 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

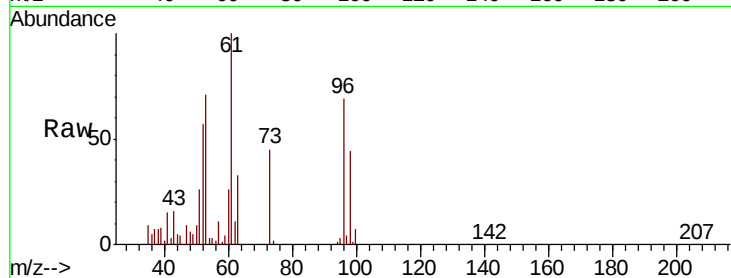
Tgt Ion: 96 Resp: 234670

Ion Ratio Lower Upper

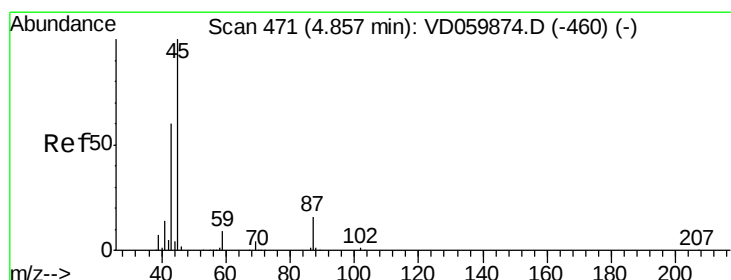
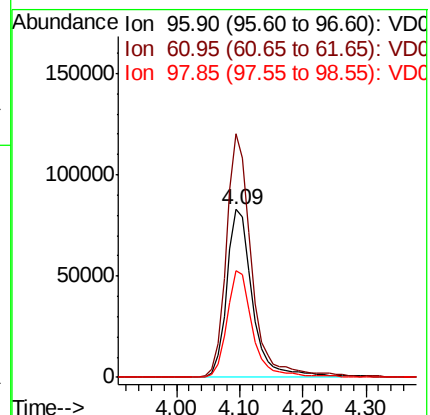
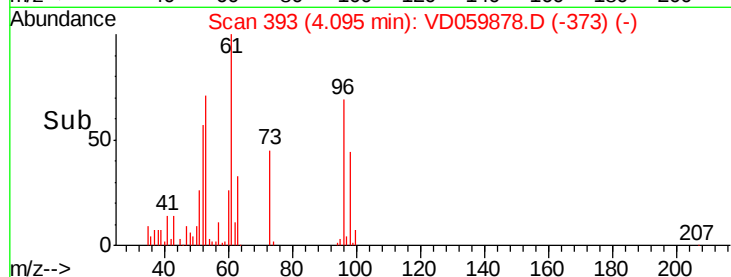
96 100

61 144.9 110.2 165.4

98 63.7 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 21.070 ug/l

RT: 4.85 min Scan# 470

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Tgt Ion: 45 Resp: 978334

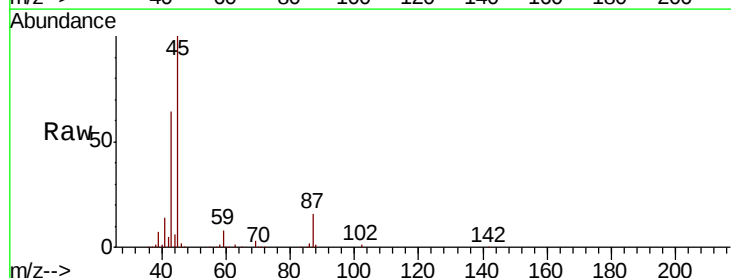
Ion Ratio Lower Upper

45 100

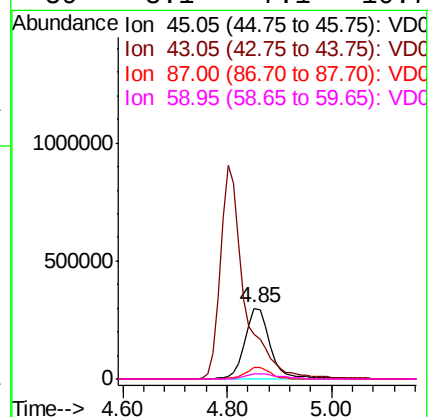
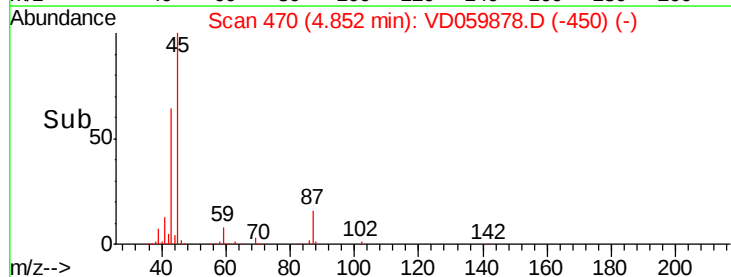
43 63.8 48.6 72.8

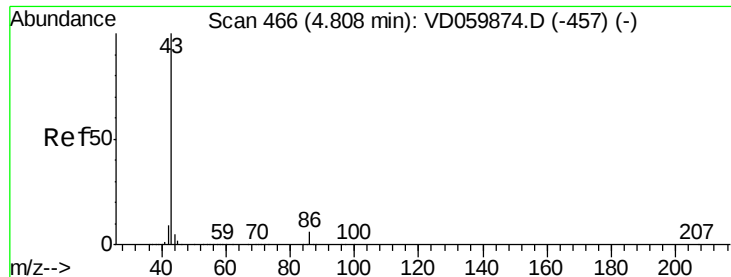
87 15.6 13.3 19.9

59 8.1 7.1 10.7



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: 110.284 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

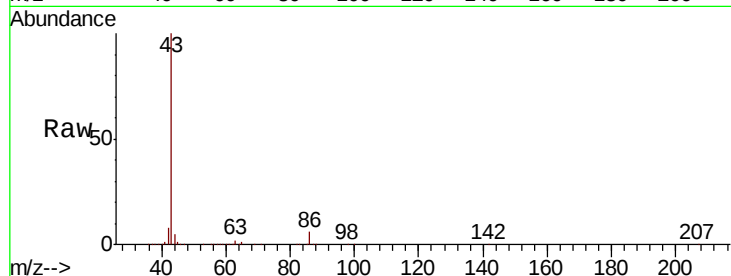
VSTDIC020

Tgt Ion: 43 Resp: 2853714

Ion Ratio Lower Upper

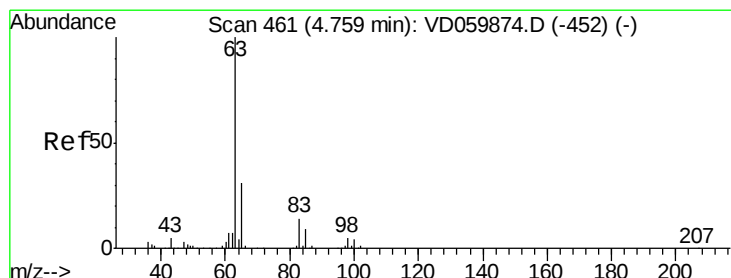
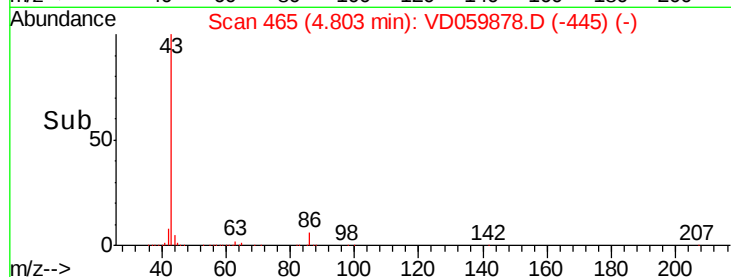
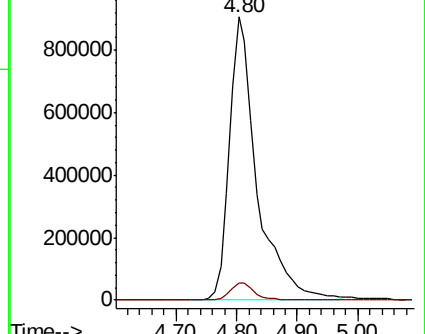
43 100

86 6.2 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.187 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

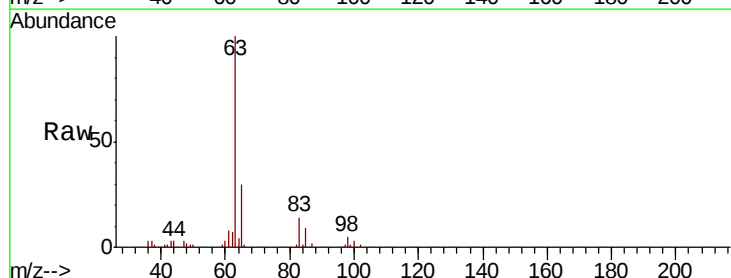
Tgt Ion: 63 Resp: 424251

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

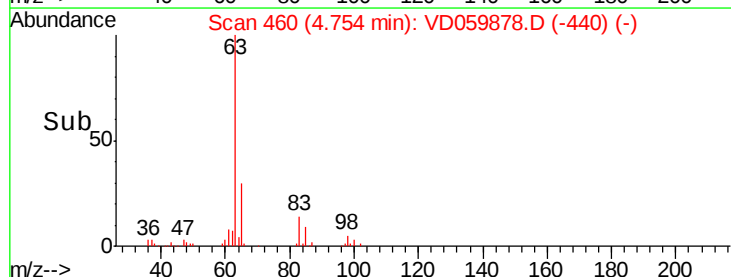
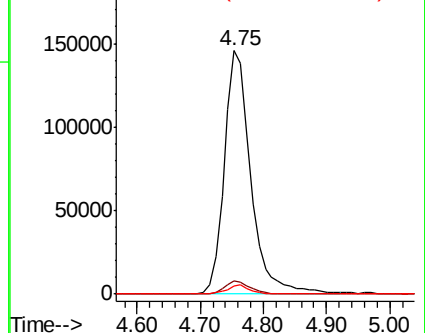
100 3.1 1.8 5.3

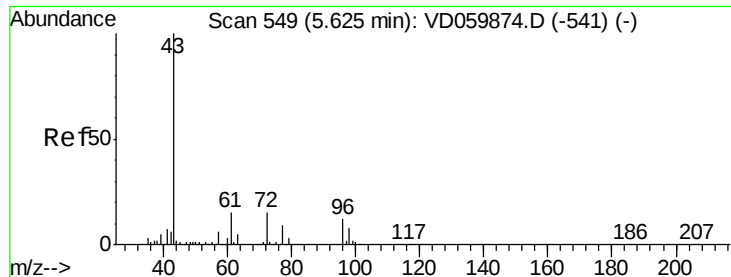


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 118.683 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

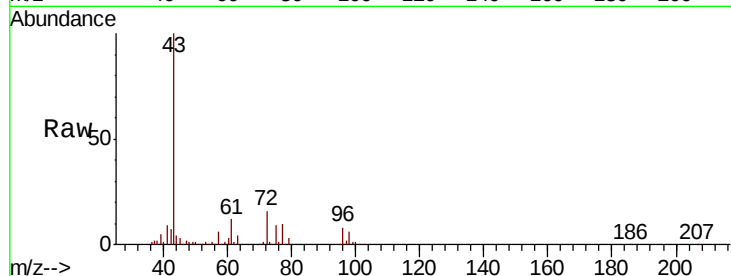
VSTDIC020

Tgt Ion: 43 Resp: 601934

Ion Ratio Lower Upper

43 100

72 16.2 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

250000

200000

150000

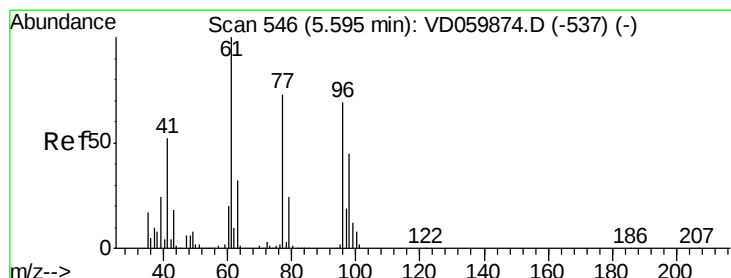
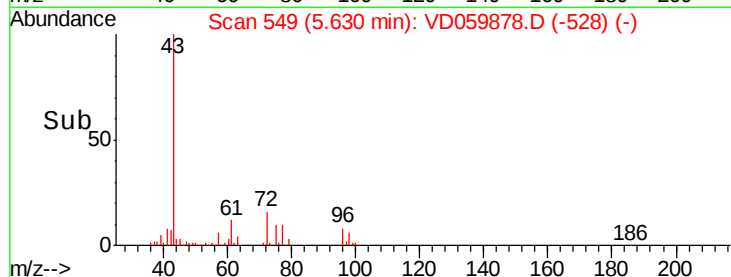
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 21.209 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD059878.D

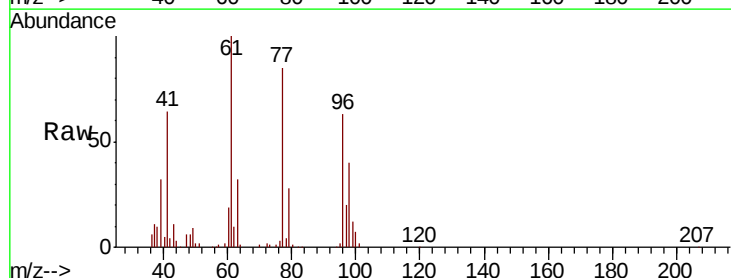
Acq: 22 Aug 2018 16:22

Tgt Ion: 77 Resp: 346937

Ion Ratio Lower Upper

77 100

97 23.1 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

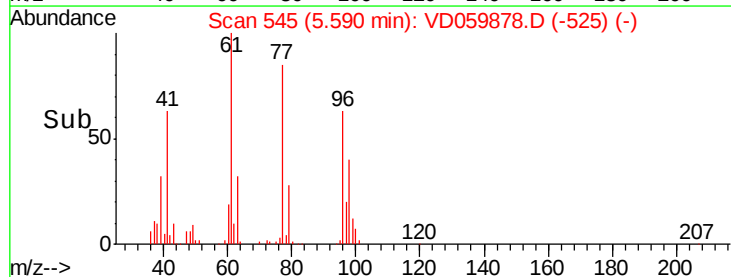
100000

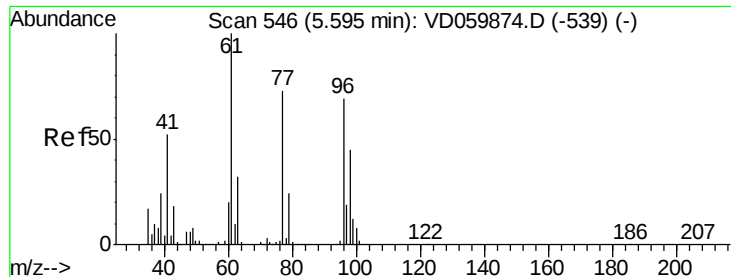
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->



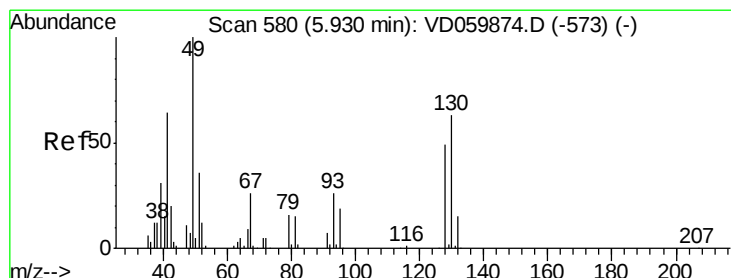
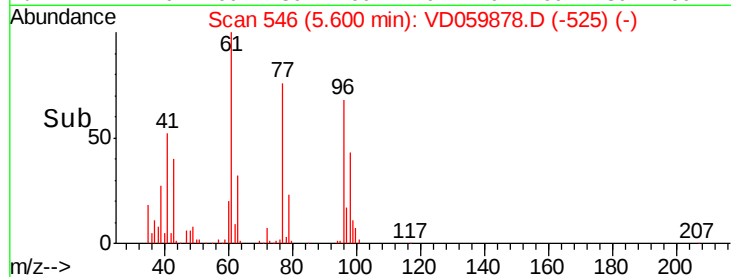
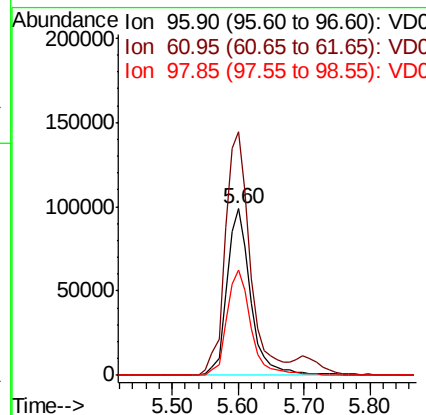
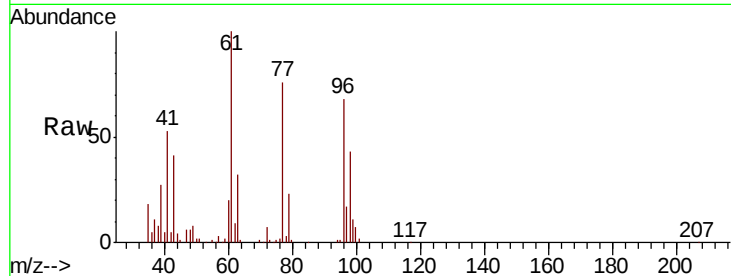


#27

cis-1,2-Dichloroethene
 Concen: 20.510 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

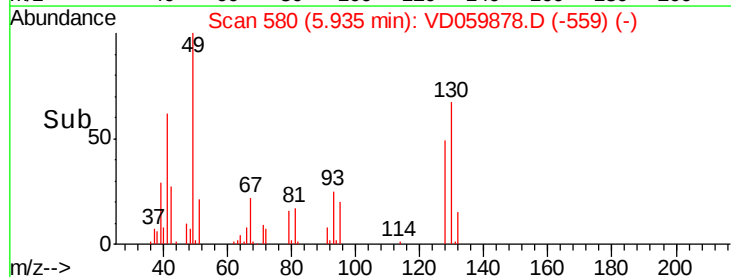
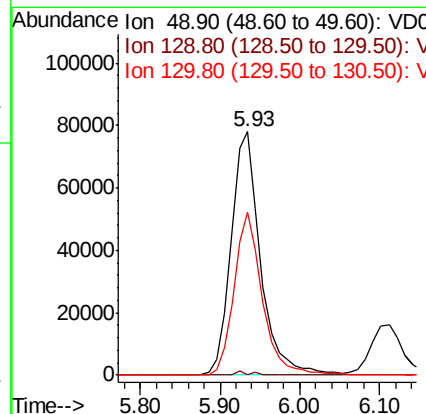
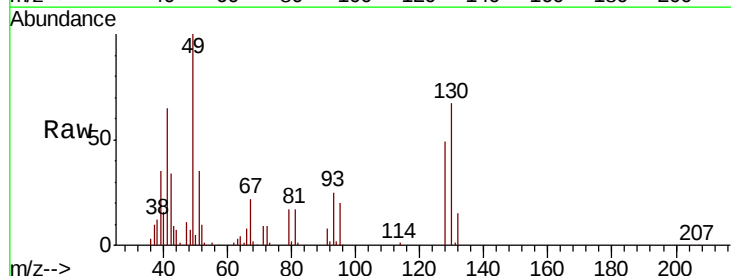
Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	290.2
98	63.5	0.0	130.4

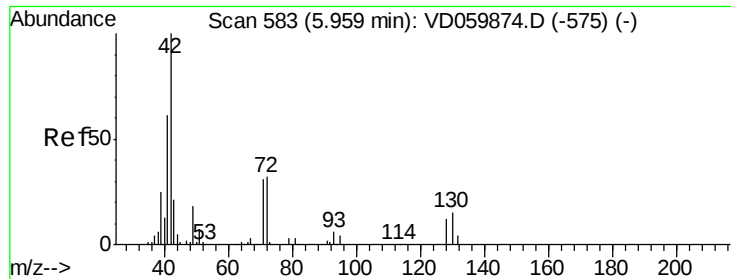


#28

Bromochloromethane
 Concen: 20.955 ug/l
 RT: 5.93 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	66.8	50.6	75.8

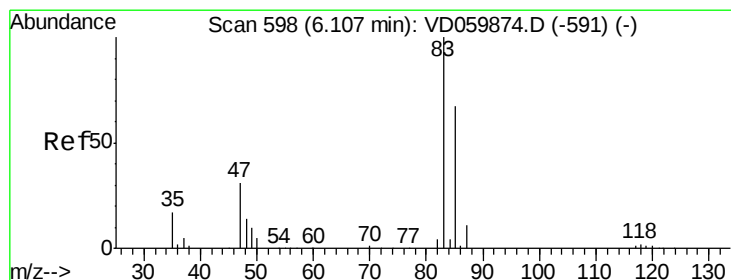
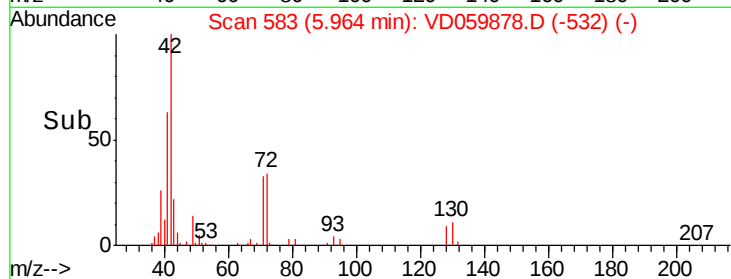
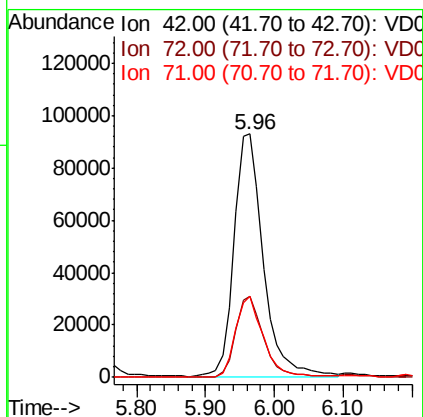
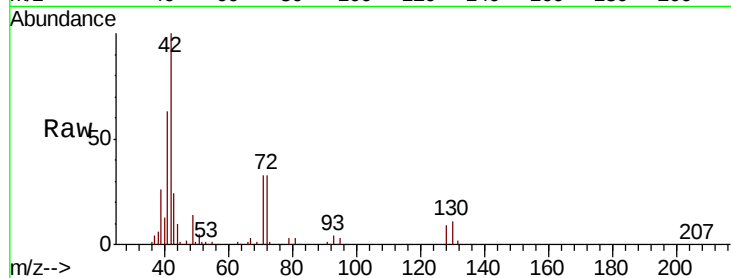




#29
Tetrahydrofuran
Concen: 107.473 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

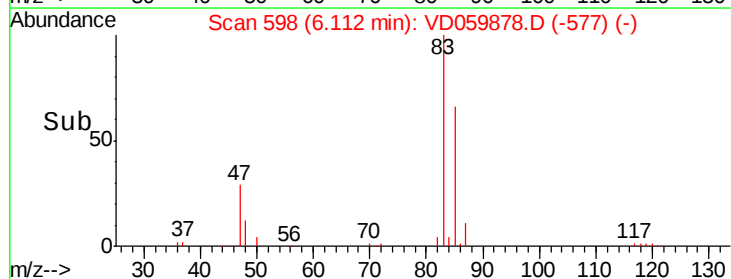
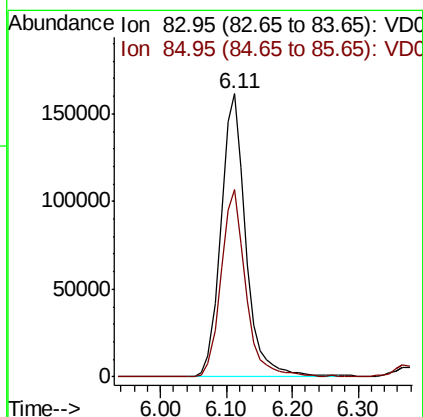
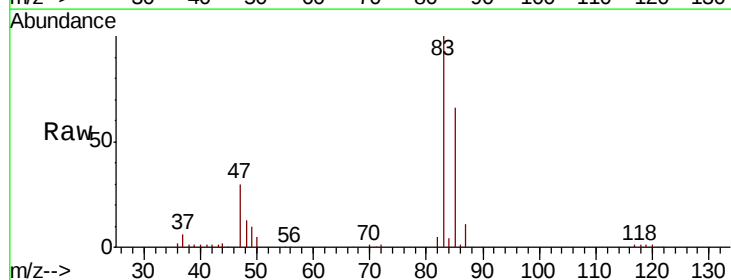
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

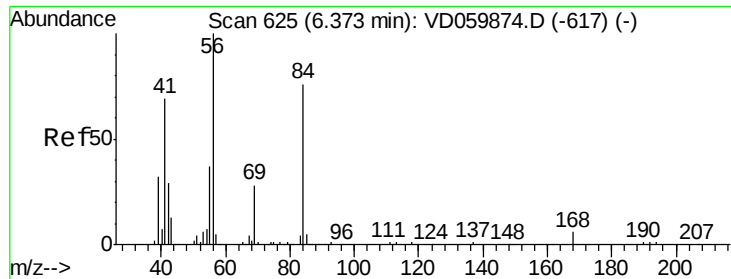
Tgt Ion: 42 Resp: 271986
Ion Ratio Lower Upper
42 100
72 31.8 25.7 38.5
71 31.9 25.3 37.9



#30
Chloroform
Concen: 20.796 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 83 Resp: 425118
Ion Ratio Lower Upper
83 100
85 66.0 53.5 80.3

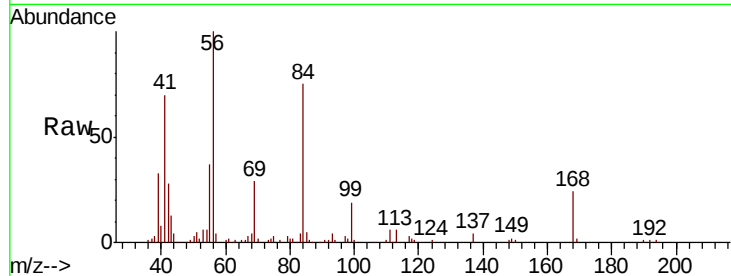




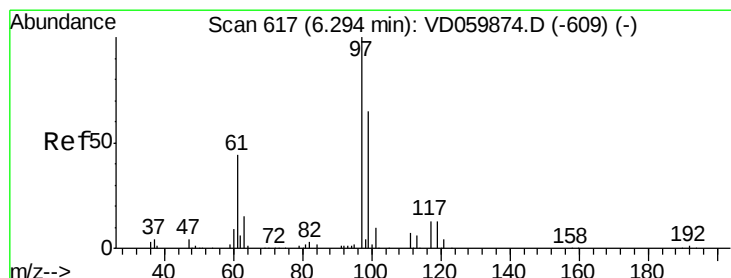
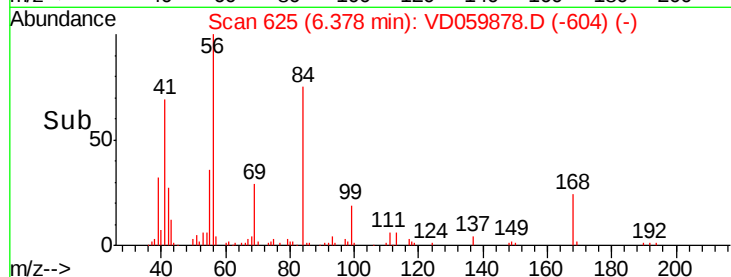
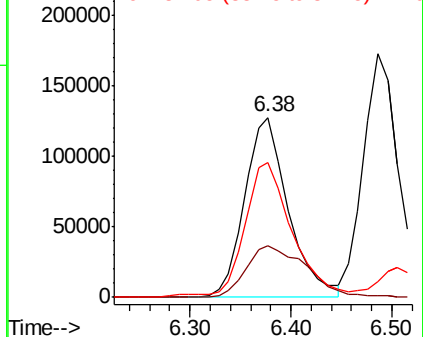
#31
Cyclohexane
Concen: 21.010 ug/l
RT: 6.38 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 384283
Ion Ratio Lower Upper
56 100
69 28.7 22.4 33.6
84 75.1 62.1 93.1

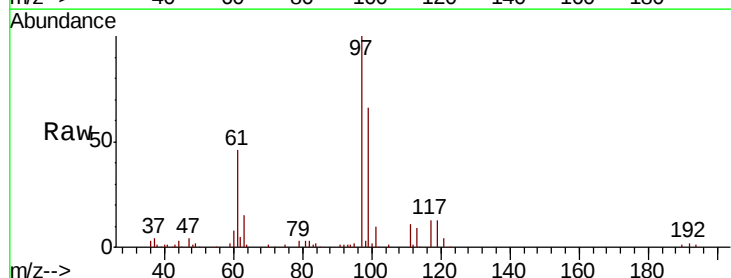


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

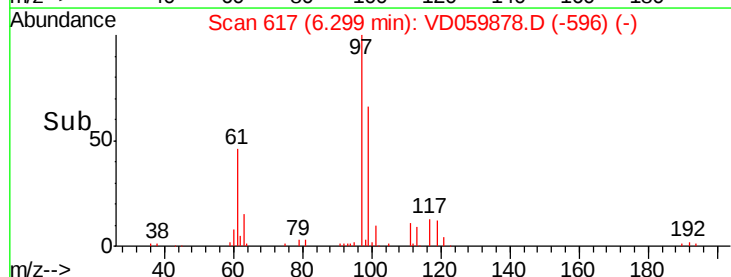
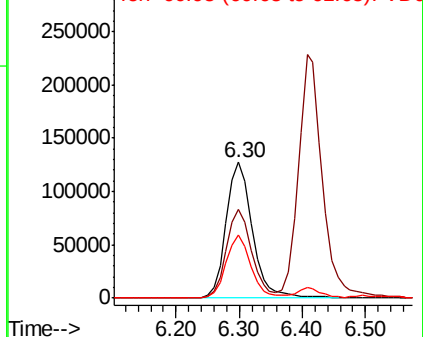


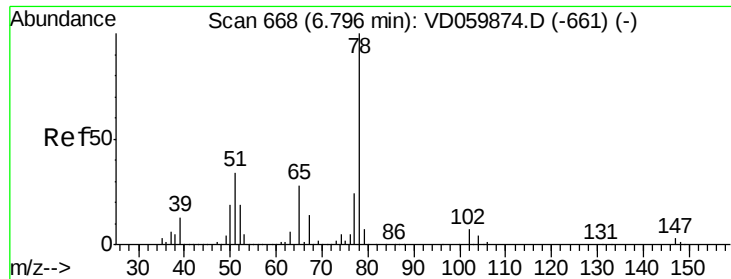
#32
1,1,1-Trichloroethane
Concen: 21.220 ug/l
RT: 6.30 min Scan# 617
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 97 Resp: 367932
Ion Ratio Lower Upper
97 100
99 65.5 51.7 77.5
61 46.4 35.4 53.2



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

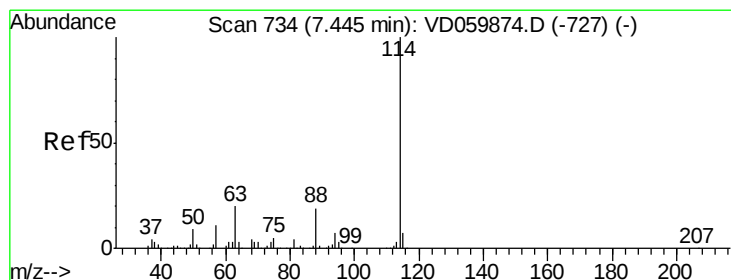
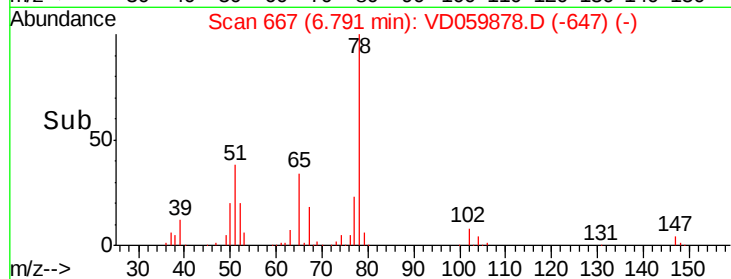
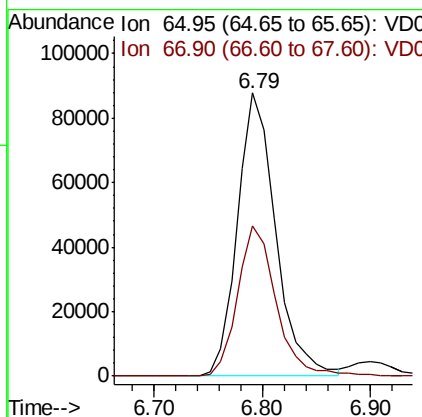
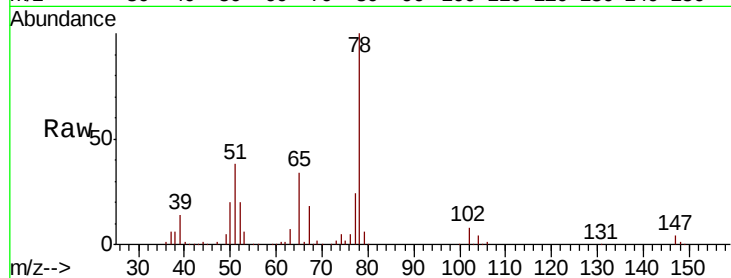




#33
 1,2-Dichloroethane-d4
 Concen: 21.220 ug/l
 RT: 6.79 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

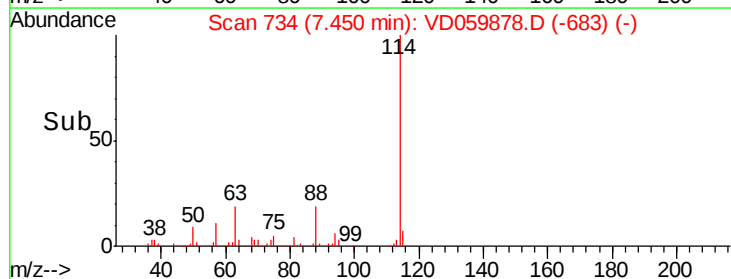
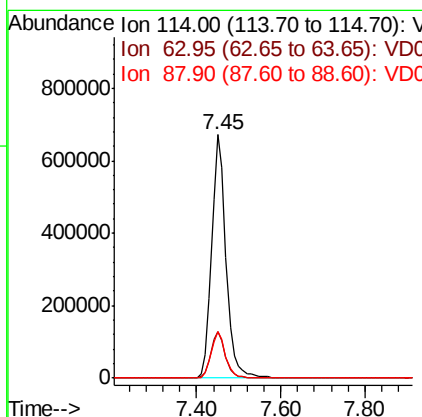
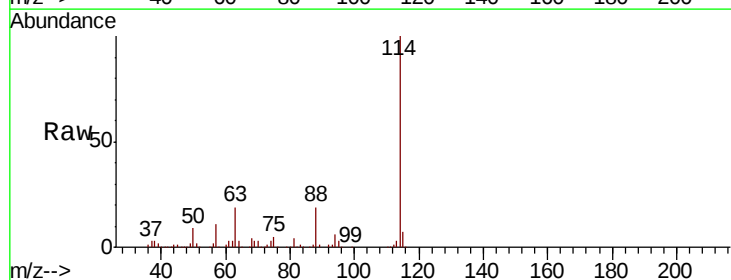
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

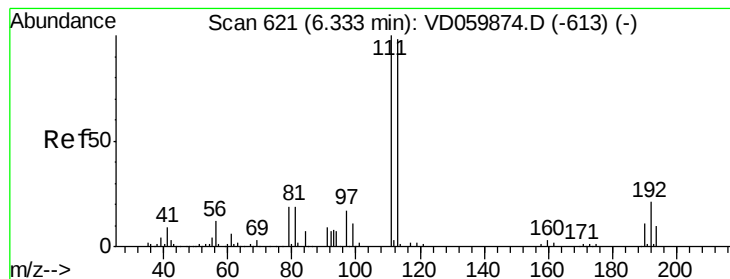
Tgt Ion: 65 Resp: 215331
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion: 114 Resp: 1588428
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 19.2 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 620

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

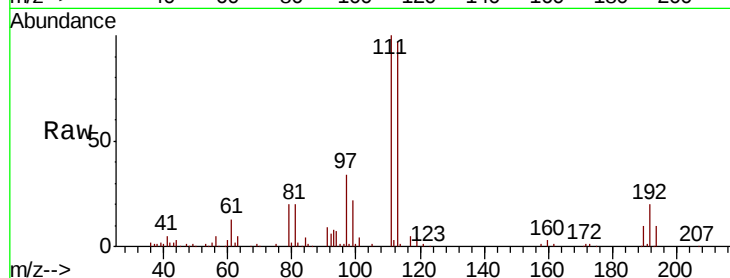
Tgt Ion:113 Resp: 268747

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

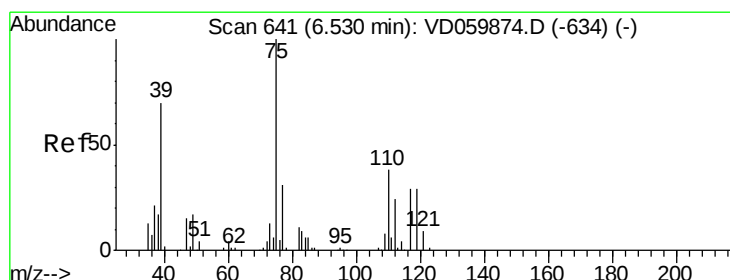
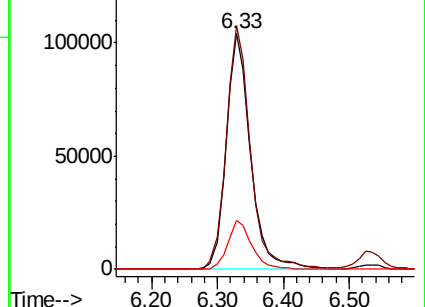
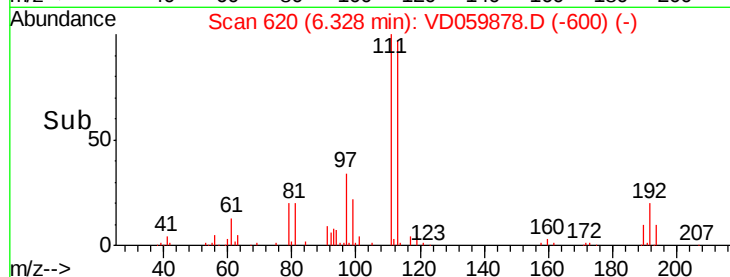
192 21.0 17.0 25.6



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: 21.896 ug/l

RT: 6.54 min Scan# 641

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

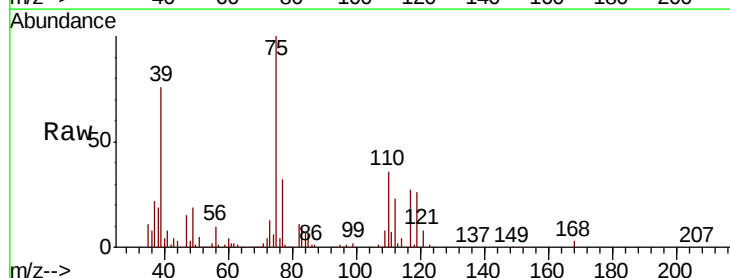
Tgt Ion: 75 Resp: 308443

Ion Ratio Lower Upper

75 100

110 35.8 18.6 56.0

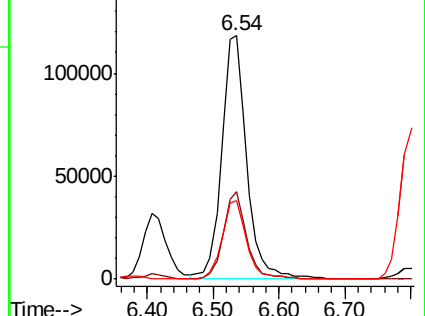
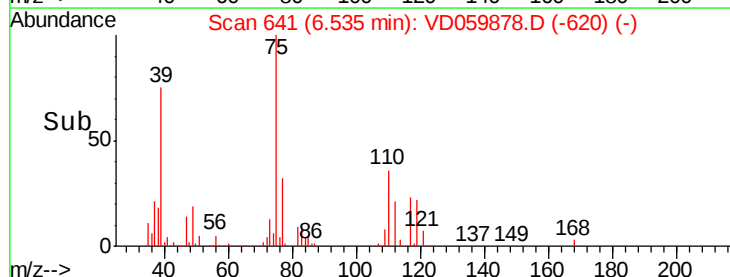
77 32.1 25.1 37.7

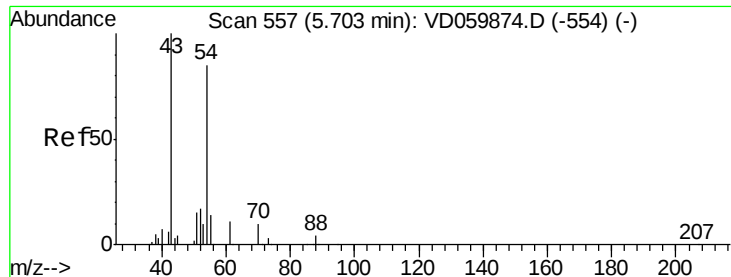


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

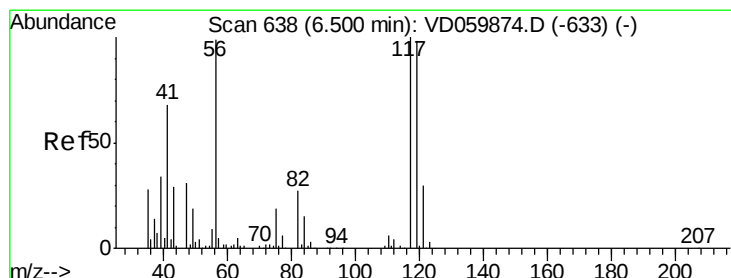
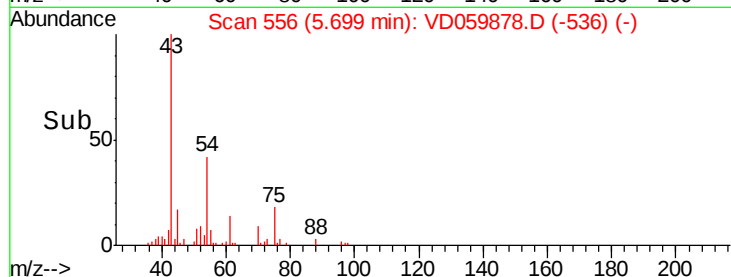
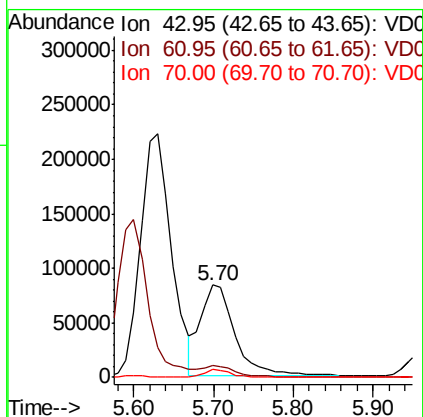
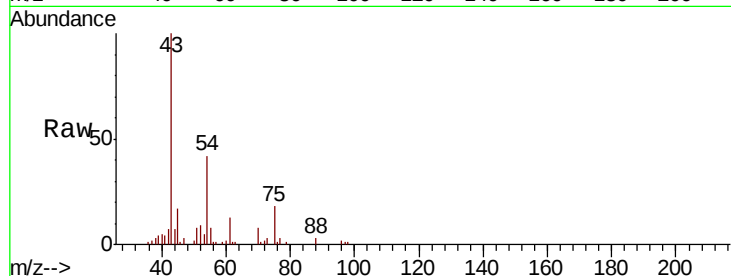




#37
Ethyl Acetate
Concen: 22.080 ug/l
RT: 5.70 min Scan# 556
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

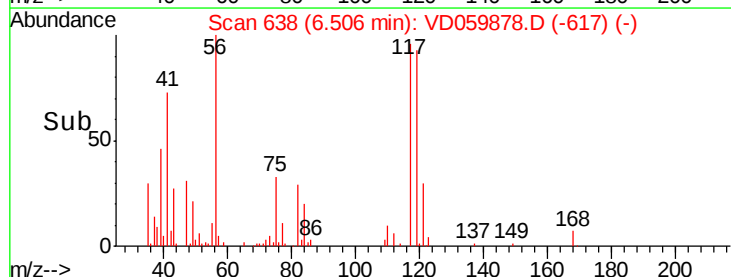
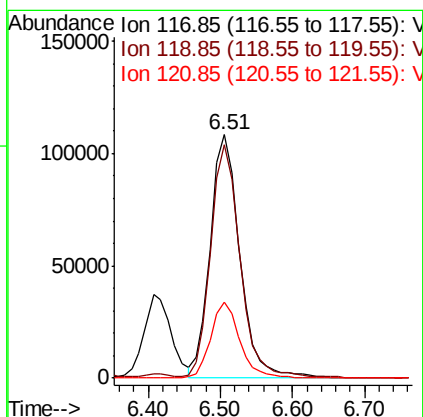
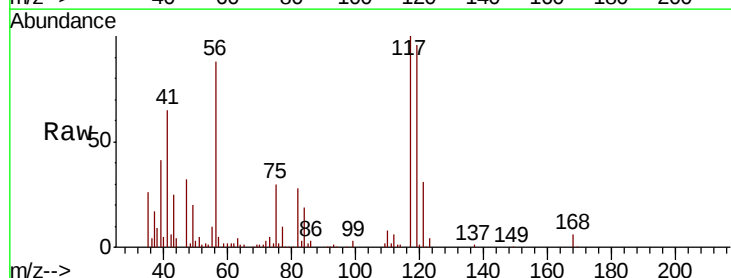
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

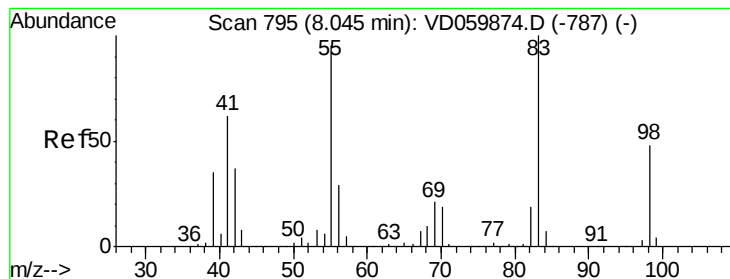
Tgt Ion: 43 Resp: 249604
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.6
70 8.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 21.333 ug/l
RT: 6.51 min Scan# 638
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 117 Resp: 304599
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8
121 31.2 24.0 36.0





#39

Methylcyclohexane

Concen: 21.074 ug/l

RT: 8.05 min Scan# 795

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

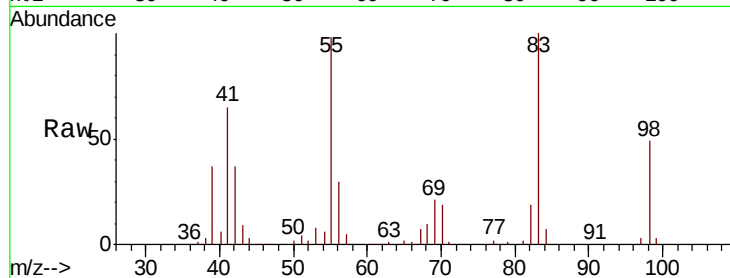
Tgt Ion: 83 Resp: 327689

Ion Ratio Lower Upper

83 100

55 97.8 75.8 113.6

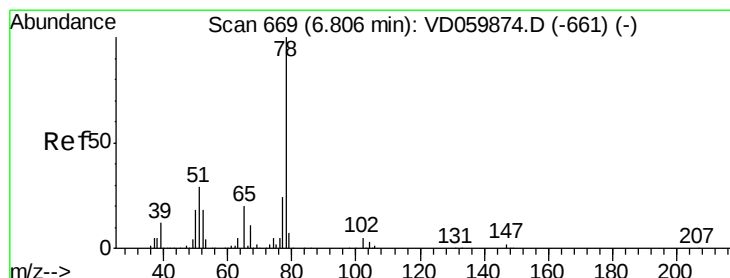
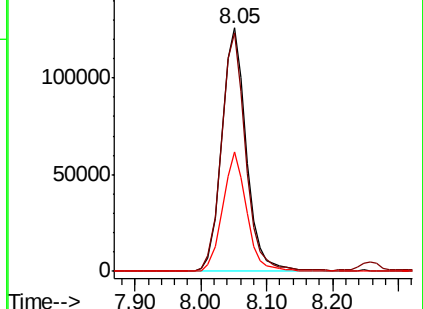
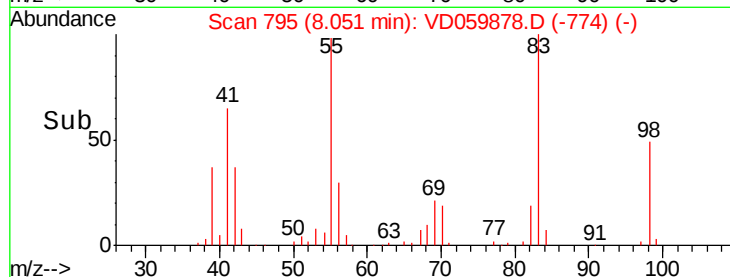
98 49.1 38.3 57.5



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: 21.690 ug/l

RT: 6.80 min Scan# 668

Delta R.T. -0.00 min

Lab File: VD059878.D

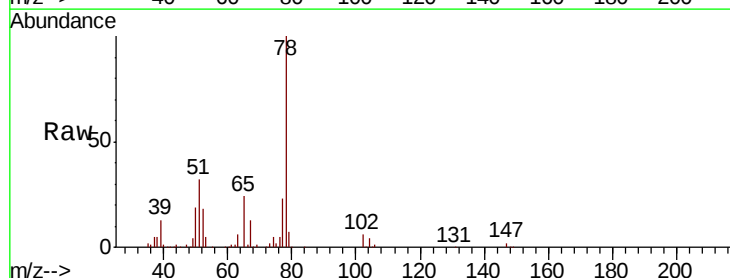
Acq: 22 Aug 2018 16:22

Tgt Ion: 78 Resp: 800742

Ion Ratio Lower Upper

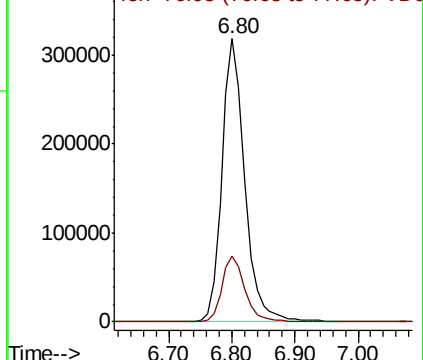
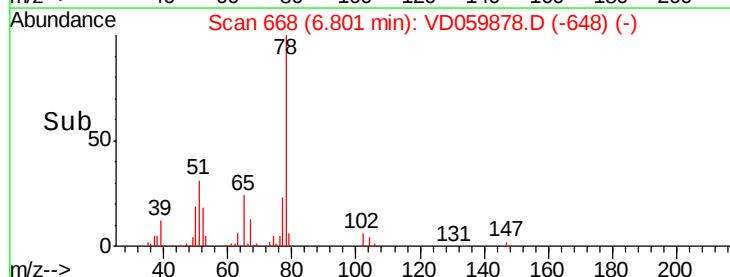
78 100

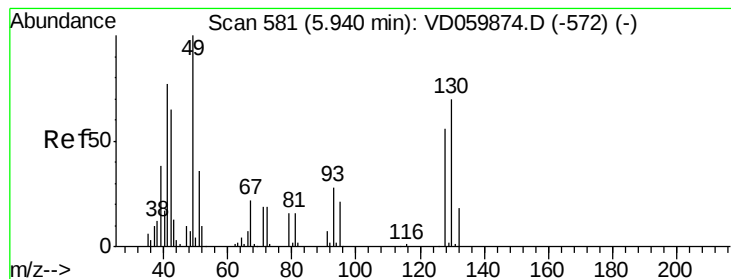
77 23.1 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 27.407 ug/l

RT: 5.95 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 278043

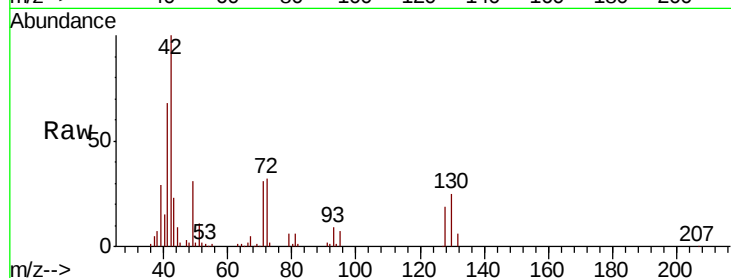
Ion Ratio Lower Upper

41 100

39 41.8 39.4 59.2

67 7.3 22.2 33.2#

52 3.6 10.1 15.1#

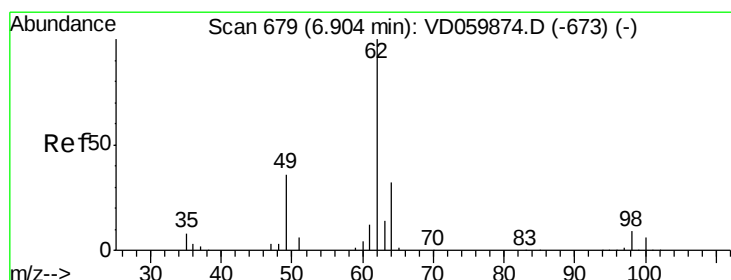
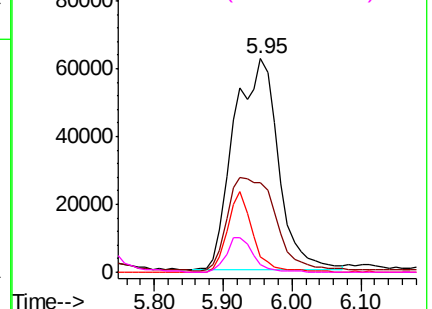
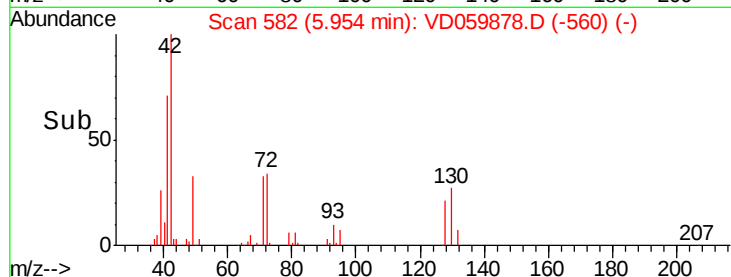


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.552 ug/l

RT: 6.90 min Scan# 678

Delta R.T. -0.00 min

Lab File: VD059878.D

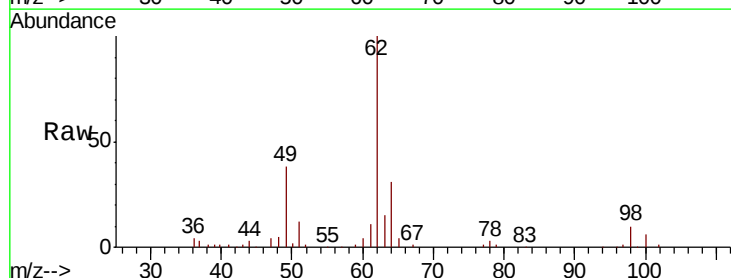
Acq: 22 Aug 2018 16:22

Tgt Ion: 62 Resp: 259525

Ion Ratio Lower Upper

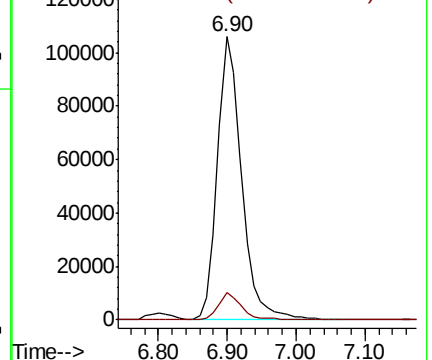
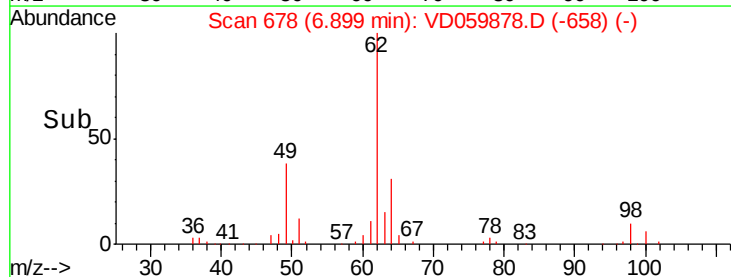
62 100

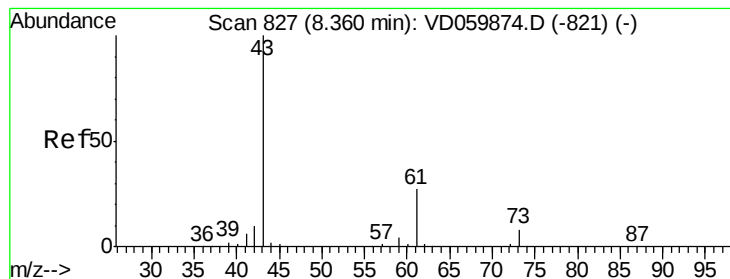
98 9.6 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.444 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

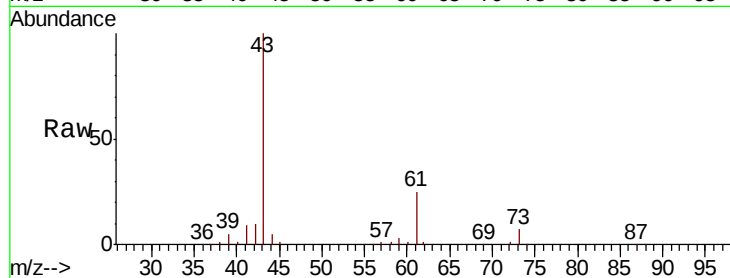
Tgt Ion: 43 Resp: 318533

Ion Ratio Lower Upper

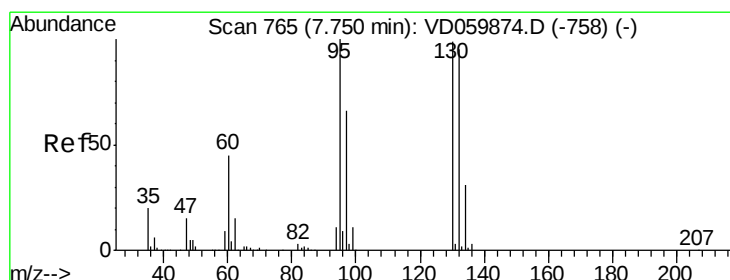
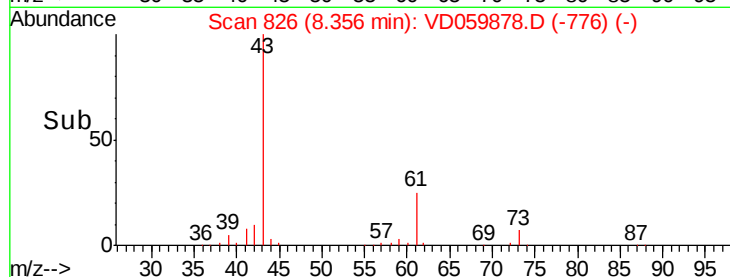
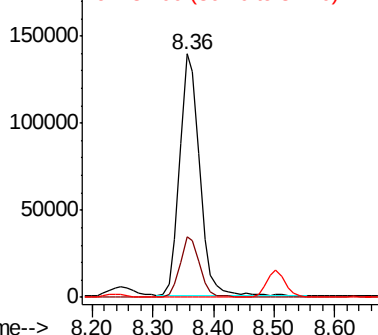
43 100

61 25.1 21.4 32.2

87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.281 ug/l

RT: 7.76 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD059878.D

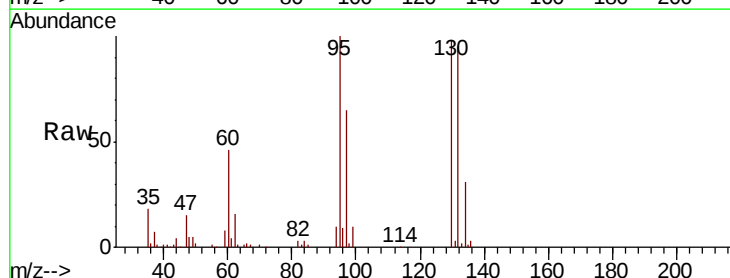
Acq: 22 Aug 2018 16:22

Tgt Ion: 130 Resp: 230775

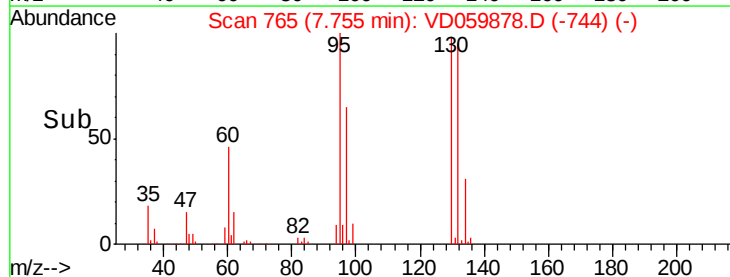
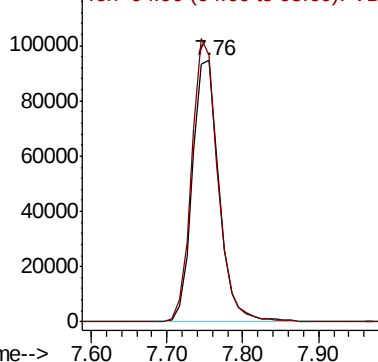
Ion Ratio Lower Upper

130 100

95 101.9 0.0 202.0



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

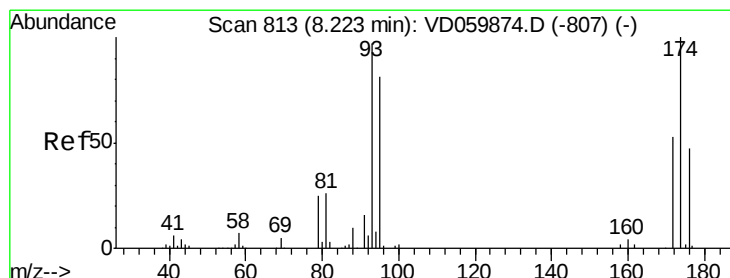
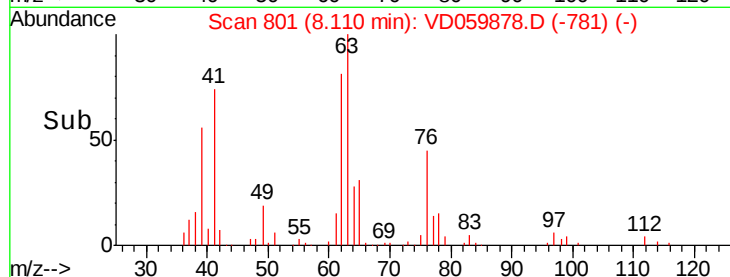
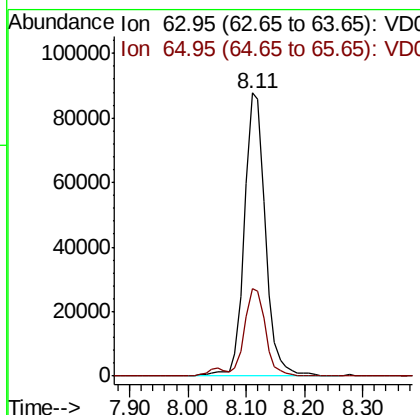
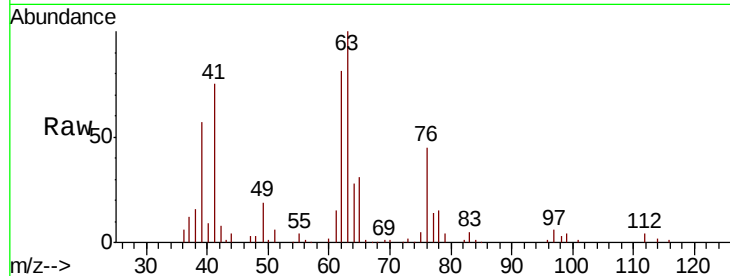




#45
 1,2-Dichloropropane
 Concen: 21.109 ug/l
 RT: 8.11 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

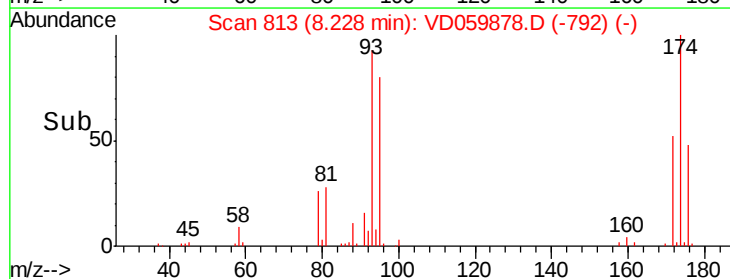
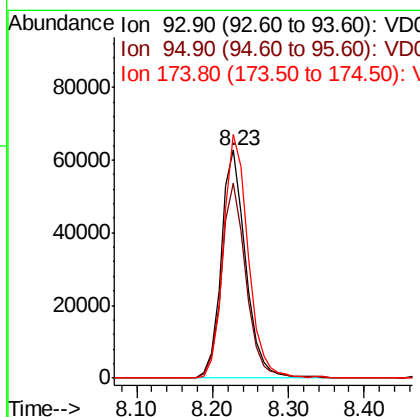
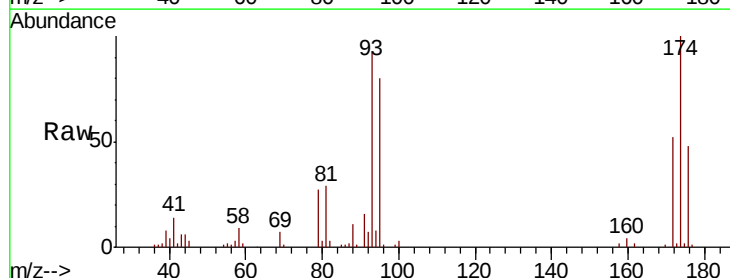
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

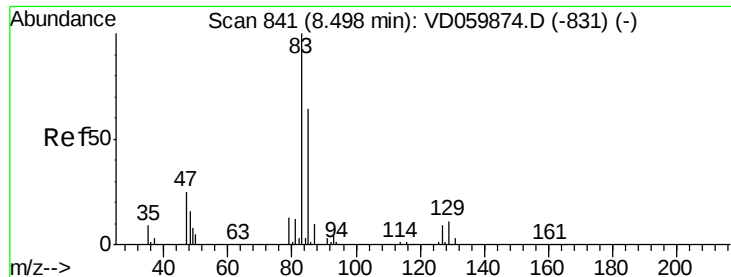
Tgt Ion: 63 Resp: 220640
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.5 35.3



#46
 Dibromomethane
 Concen: 20.996 ug/l
 RT: 8.23 min Scan# 813
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion: 93 Resp: 140648
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.6 100.0
 174 107.0 82.4 123.6





#47

Bromodichloromethane

Concen: 21.857 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

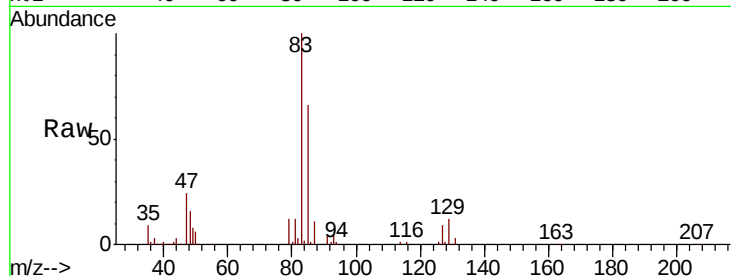
Tgt Ion: 83 Resp: 330968

Ion Ratio Lower Upper

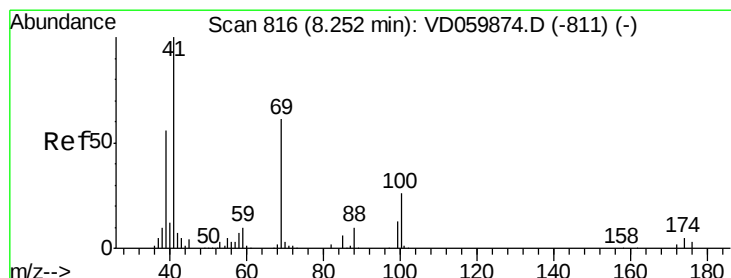
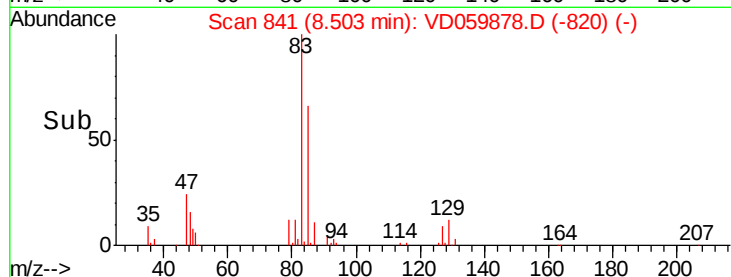
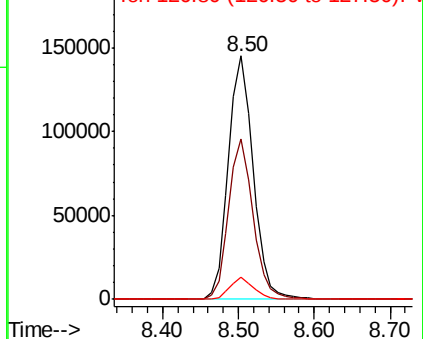
83 100

85 66.1 51.3 76.9

127 8.9 7.0 10.4



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: 21.911 ug/l

RT: 8.26 min Scan# 816

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

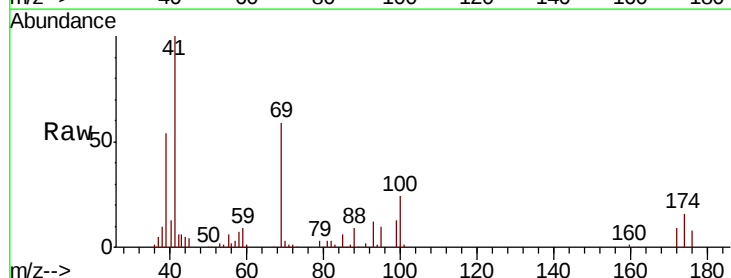
Tgt Ion: 41 Resp: 183216

Ion Ratio Lower Upper

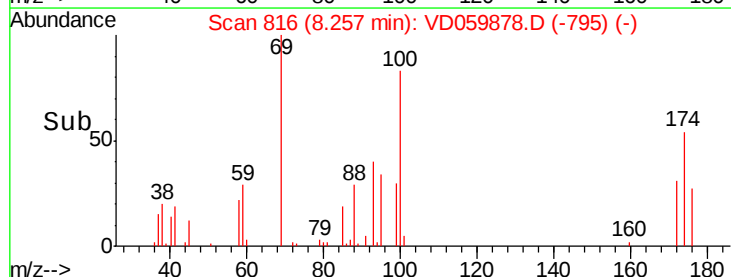
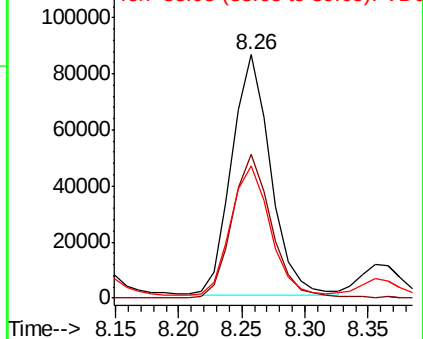
41 100

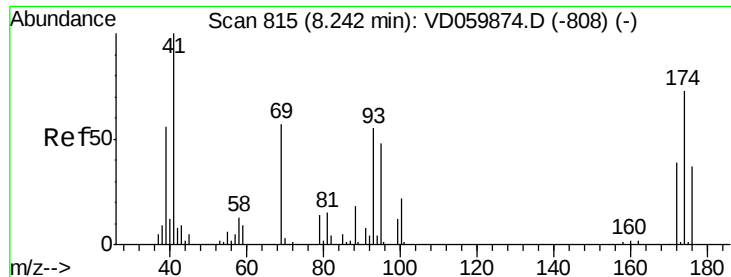
69 59.1 48.0 72.0

39 54.4 45.4 68.0



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

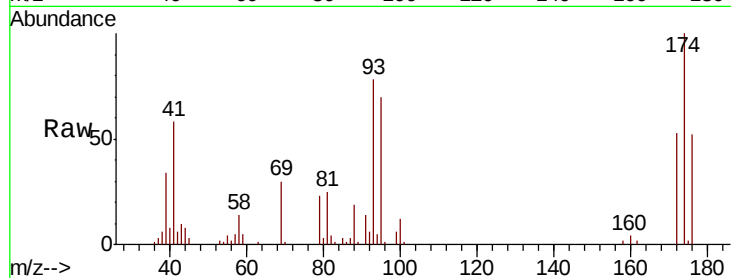




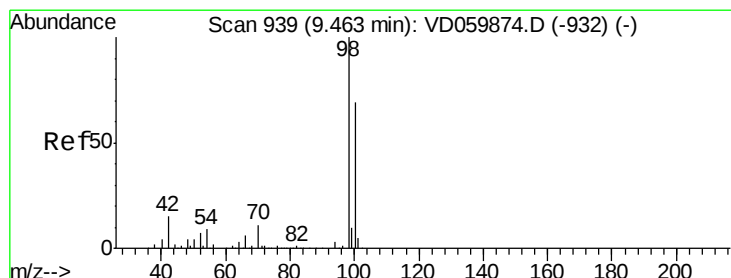
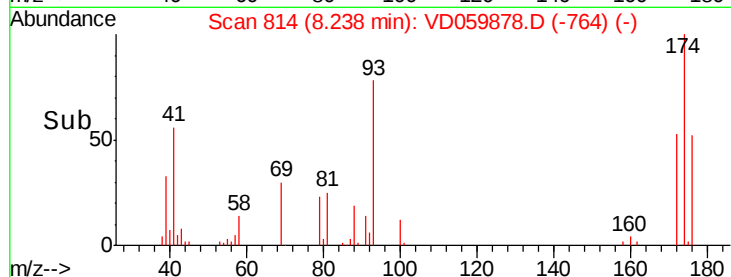
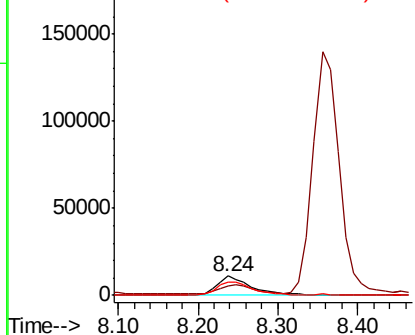
#49
 1,4-Dioxane
 Concen: 433.411 ug/l
 RT: 8.24 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 88 Resp: 33046
 Ion Ratio Lower Upper
 88 100
 43 50.1 45.0 67.6
 58 71.4 55.8 83.8

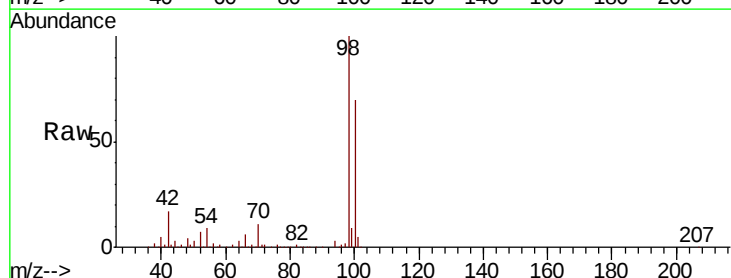


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

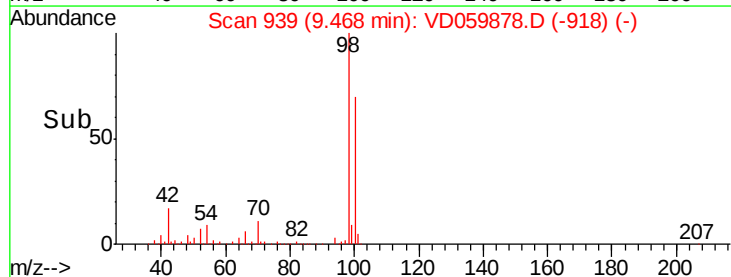
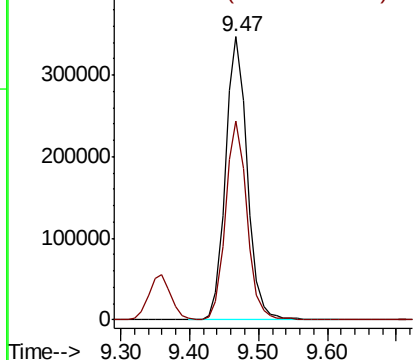


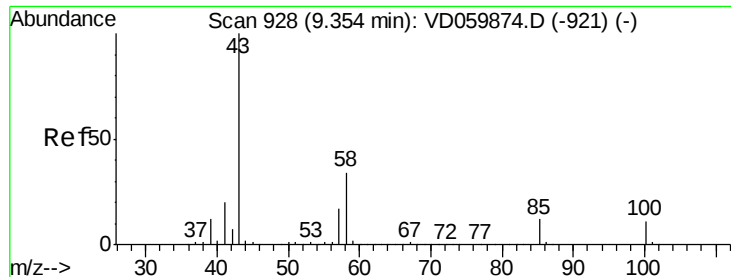
#50
 Toluene-d8
 Concen: 433.411 ug/l
 RT: 9.47 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion: 98 Resp: 753980
 Ion Ratio Lower Upper
 98 100
 100 70.4 55.8 83.6



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: 125.625 ug/l

RT: 9.35 min Scan# 927

Delta R.T. -0.00 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

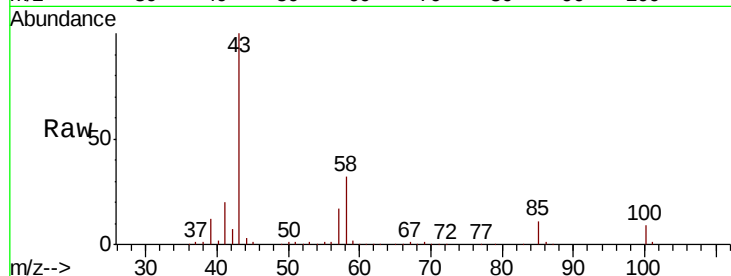
VSTDIC020

Tgt Ion: 43 Resp: 1296917

Ion Ratio Lower Upper

43 100

58 32.0 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

600000

500000

400000

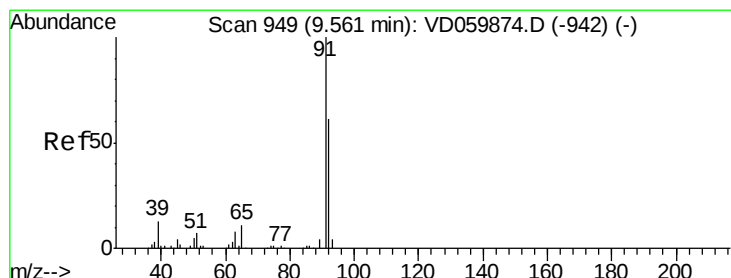
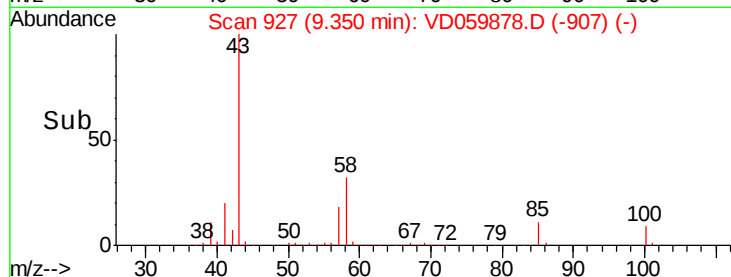
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.335 ug/l

RT: 9.56 min Scan# 948

Delta R.T. -0.00 min

Lab File: VD059878.D

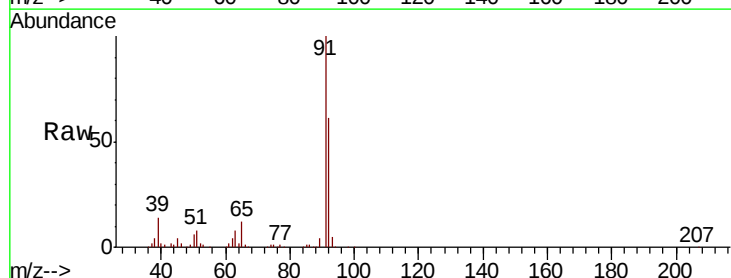
Acq: 22 Aug 2018 16:22

Tgt Ion: 92 Resp: 506786

Ion Ratio Lower Upper

92 100

91 163.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.56

400000

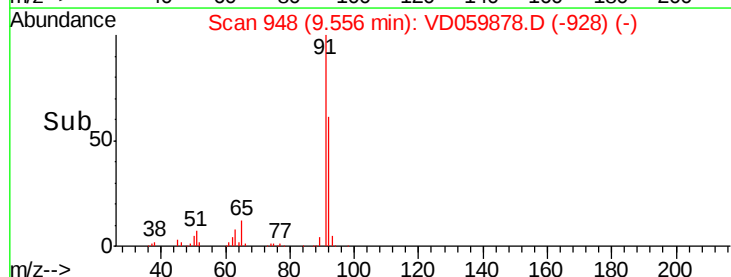
300000

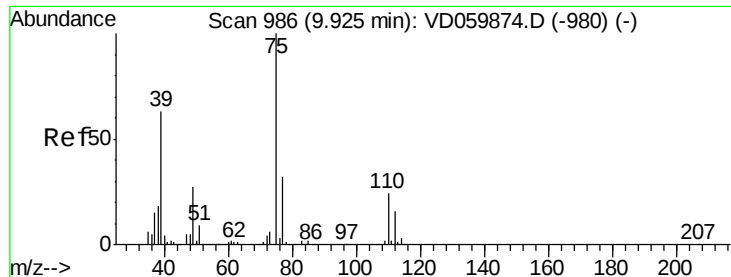
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.666 ug/l

RT: 9.93 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

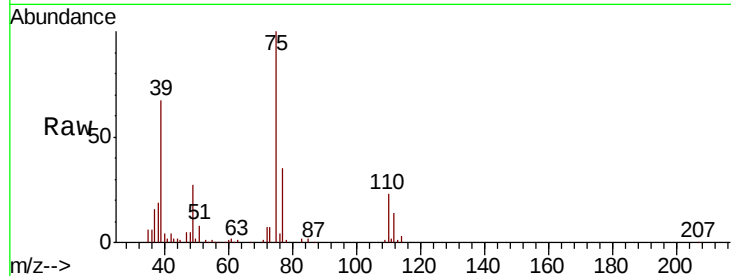
VSTDIC020

Tgt Ion: 75 Resp: 304486

Ion Ratio Lower Upper

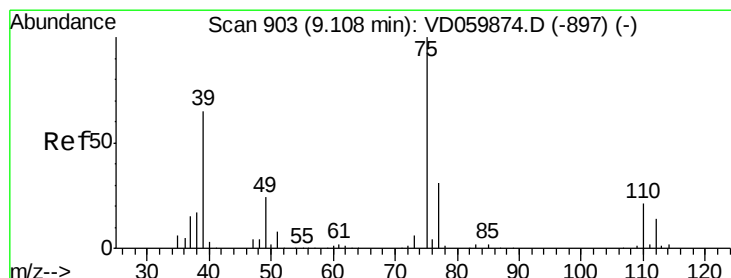
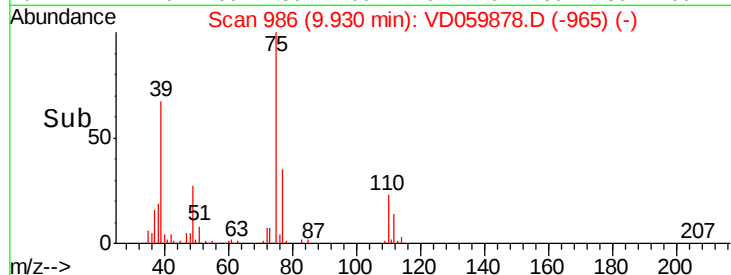
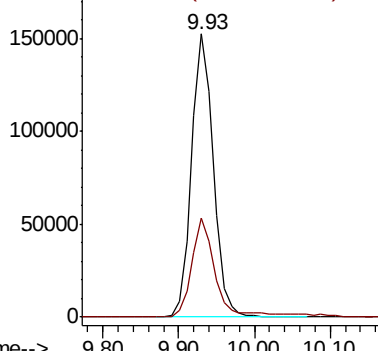
75 100

77 35.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.422 ug/l

RT: 9.11 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

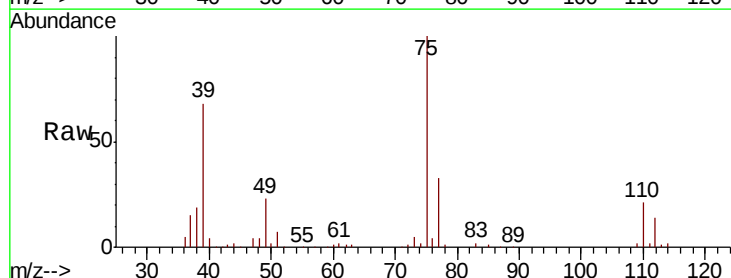
Tgt Ion: 75 Resp: 350388

Ion Ratio Lower Upper

75 100

77 33.0 24.8 37.2

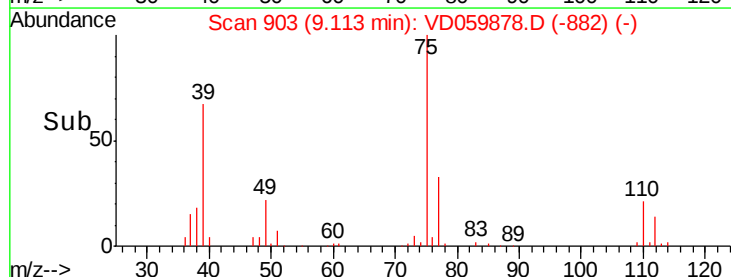
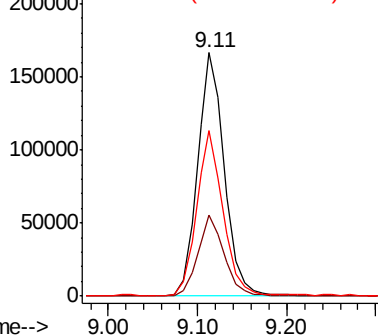
39 67.8 52.1 78.1

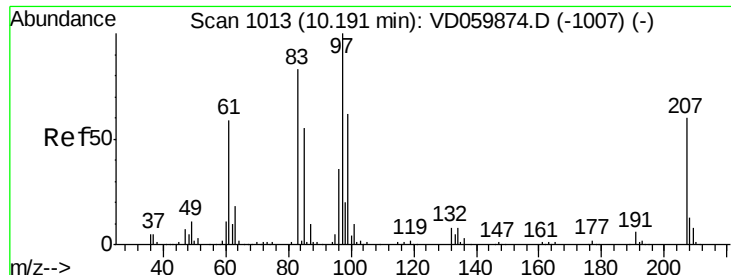


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

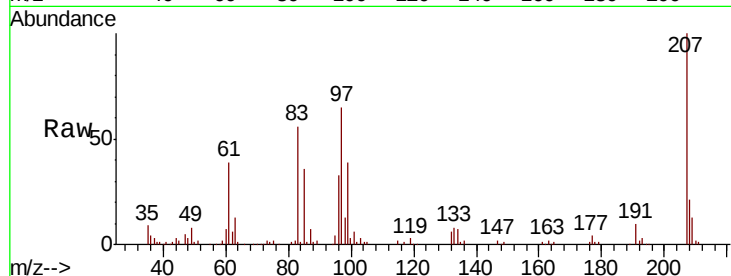




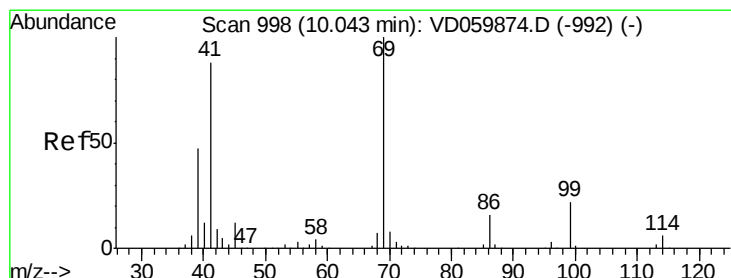
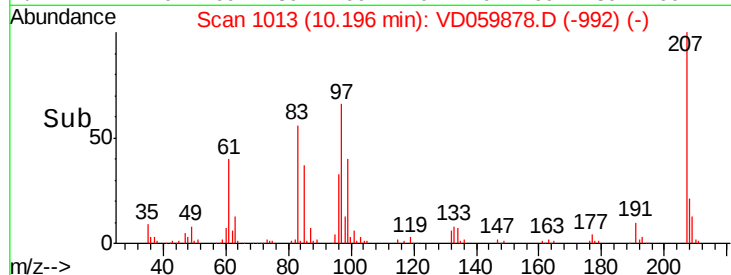
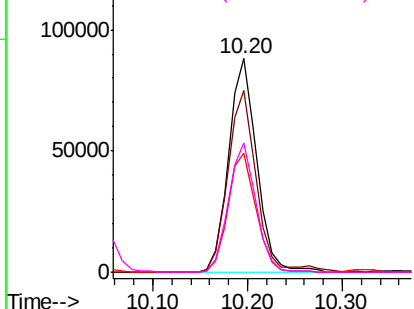
#55
 1,1,2-Trichloroethane
 Concen: 20.968 ug/l
 RT: 10.20 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 181428
 Ion Ratio Lower Upper
 97 100
 83 85.3 66.7 100.1
 85 55.8 43.8 65.6
 99 60.4 49.8 74.6

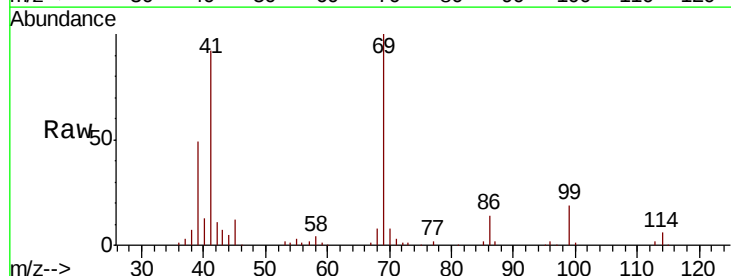


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

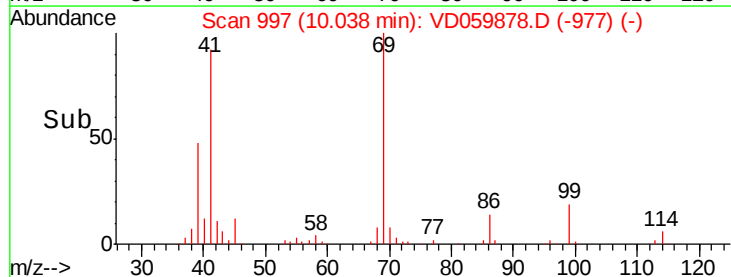
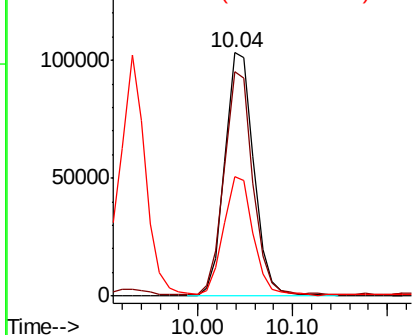


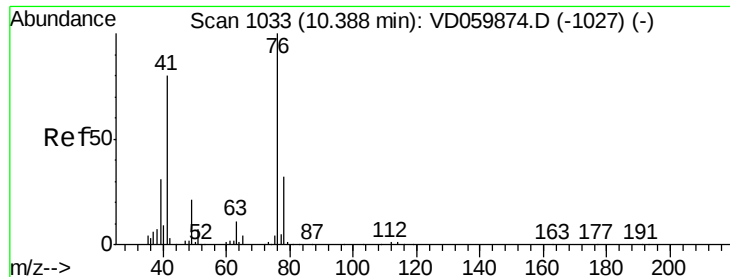
#56
 Ethyl methacrylate
 Concen: 21.355 ug/l
 RT: 10.04 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion: 69 Resp: 219828
 Ion Ratio Lower Upper
 69 100
 41 92.2 71.0 106.4
 39 48.8 38.5 57.7



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





#57

1,3-Dichloropropane

Concen: 21.887 ug/l

RT: 10.39 min Scan# 1033

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

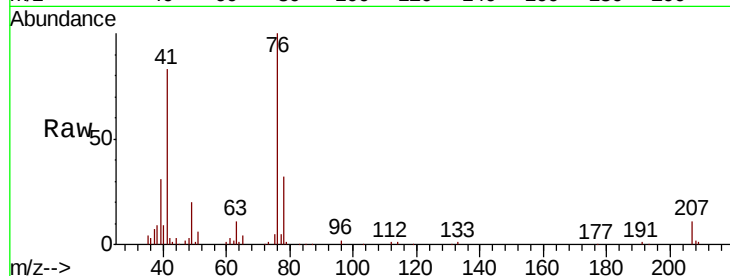
VSTDIC020

Tgt Ion: 76 Resp: 277342

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.39

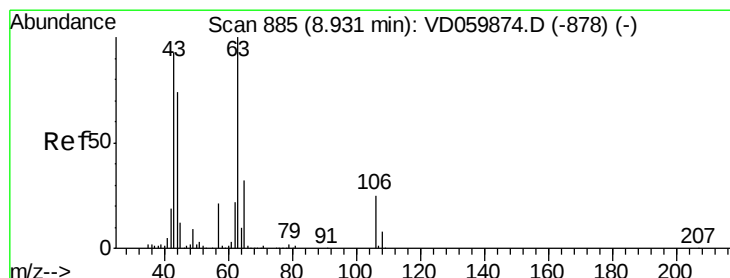
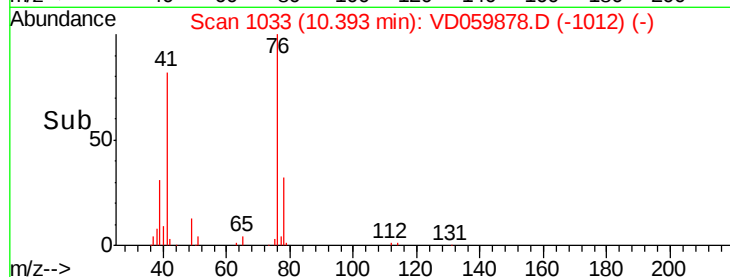
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 104.301 ug/l

RT: 8.94 min Scan# 885

Delta R.T. 0.01 min

Lab File: VD059878.D

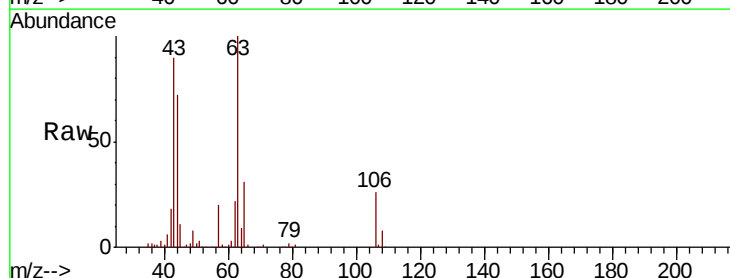
Acq: 22 Aug 2018 16:22

Tgt Ion: 63 Resp: 511637

Ion Ratio Lower Upper

63 100

106 25.9 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.94

250000

200000

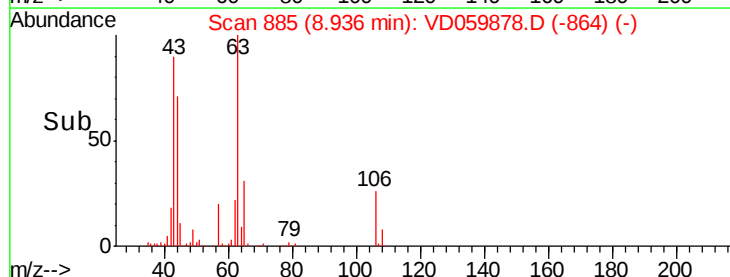
150000

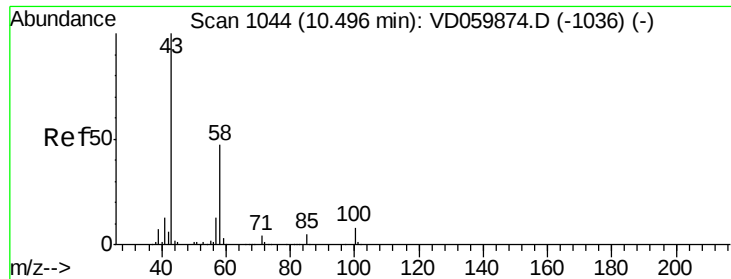
100000

50000

0

Time-->

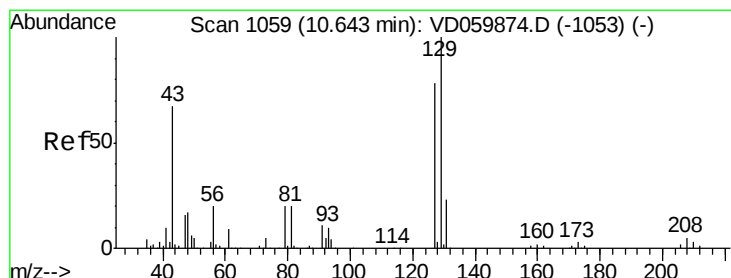
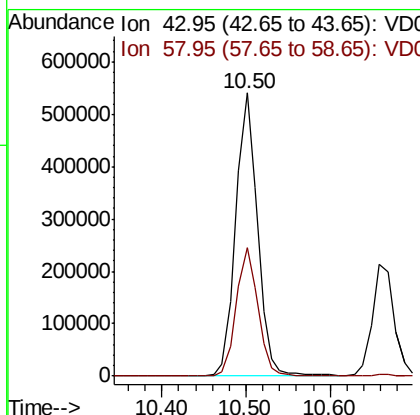
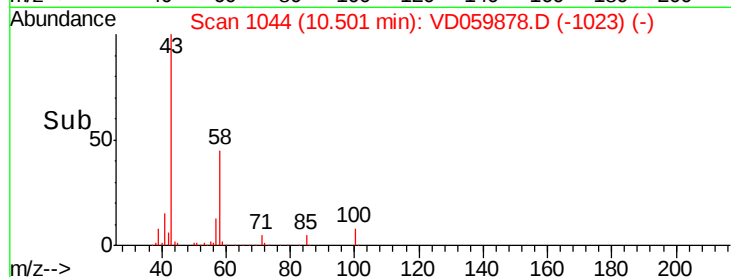
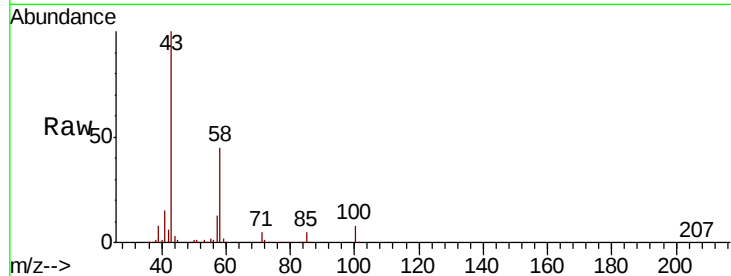




#59
2-Hexanone
Concen: 129.790 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

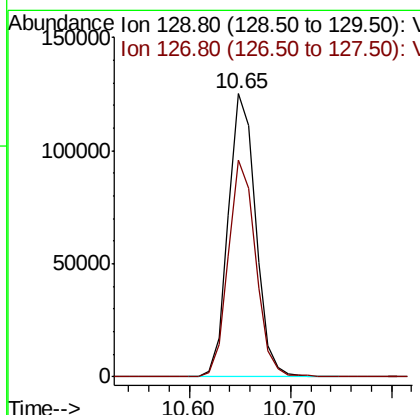
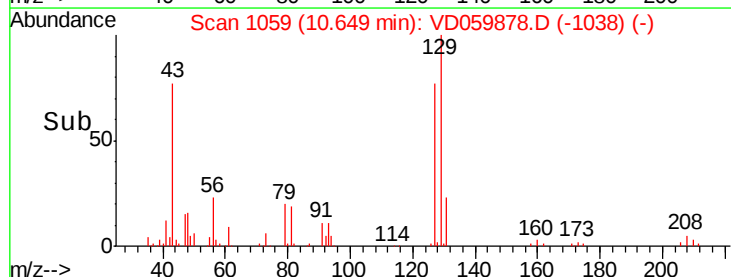
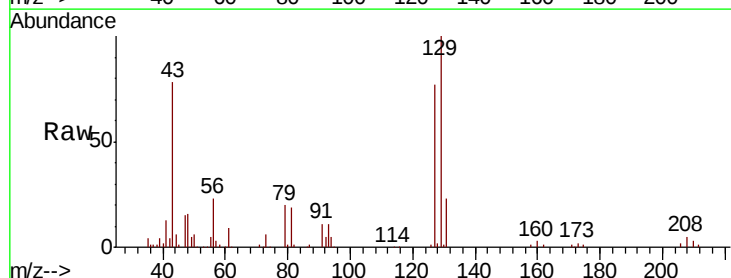
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

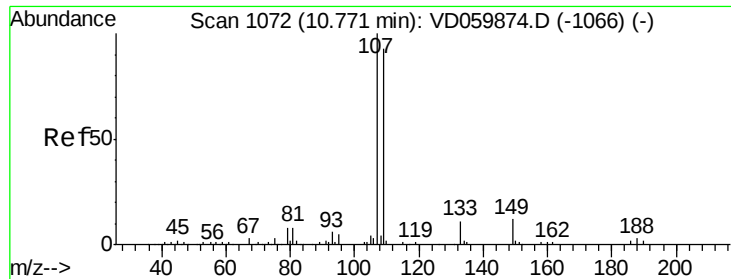
Tgt Ion: 43 Resp: 971683
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.8



#60
Dibromochloromethane
Concen: 21.391 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 129 Resp: 235717
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2

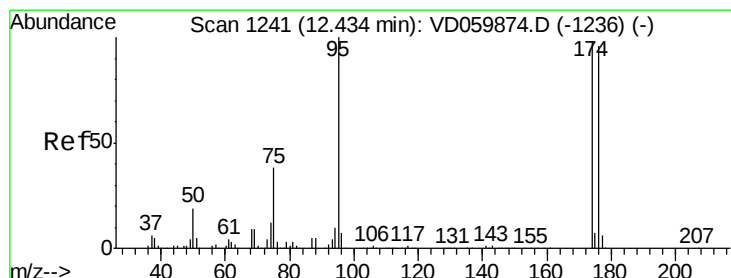
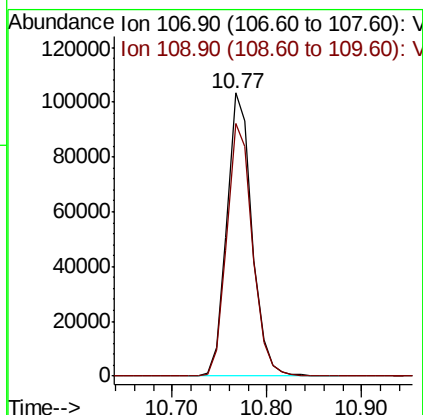
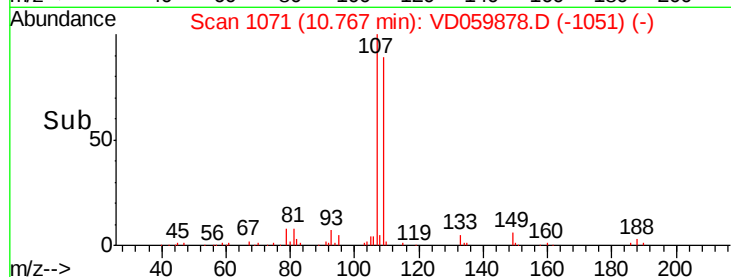
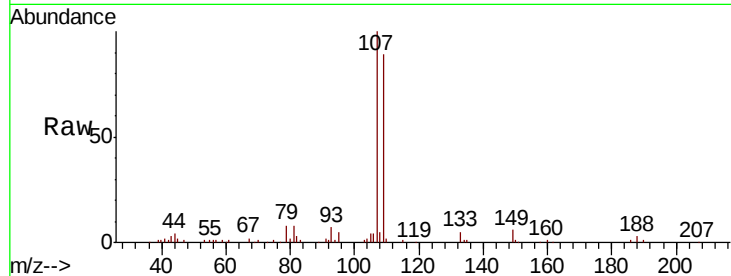




#61
1,2-Dibromoethane
Concen: 21.301 ug/l
RT: 10.77 min Scan# 1071
Delta R.T. -0.00 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

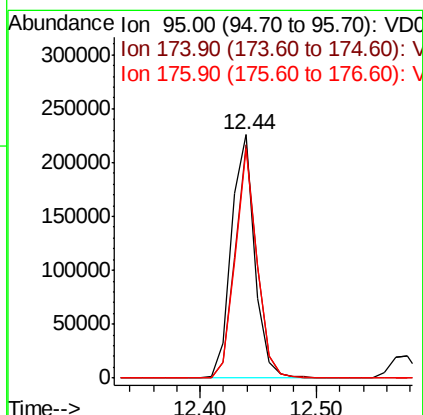
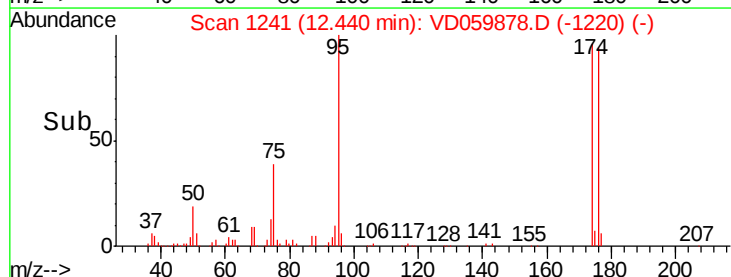
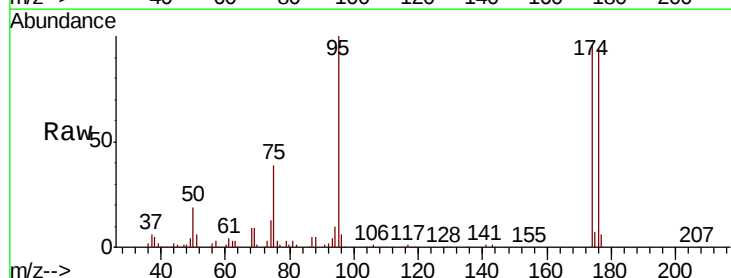
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

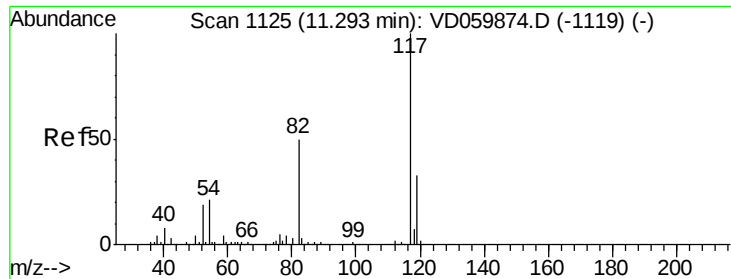
Tgt Ion: 107 Resp: 190071
Ion Ratio Lower Upper
107 100
109 89.1 74.6 112.0



#62
4-Bromofluorobenzene
Concen: 21.301 ug/l
RT: 12.44 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 95 Resp: 311122
Ion Ratio Lower Upper
95 100
174 96.0 0.0 195.6
176 94.2 0.0 191.2

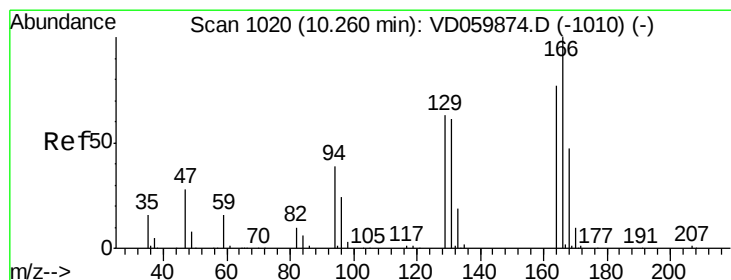
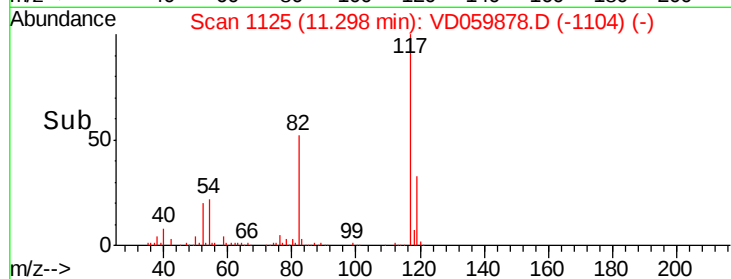
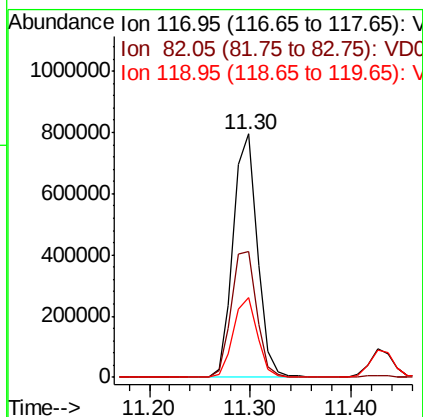
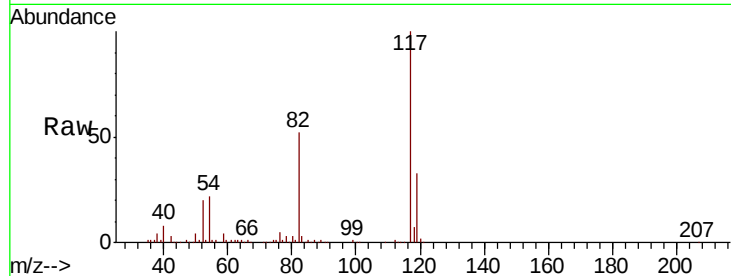




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

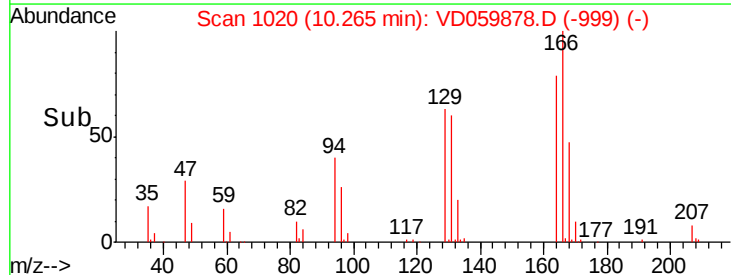
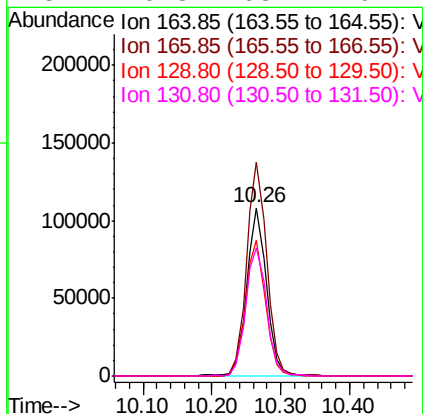
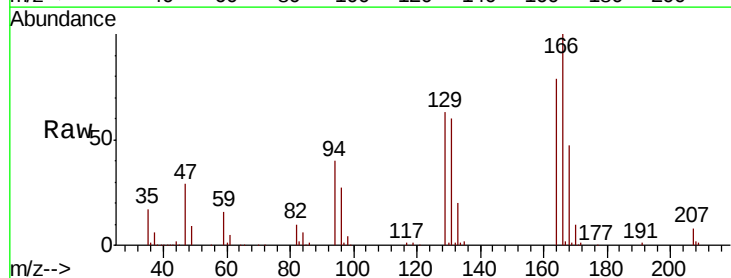
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1323446
Ion Ratio Lower Upper
117 100
82 51.8 40.1 60.1
119 32.9 26.7 40.1



#64
Tetrachloroethene
Concen: 21.262 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion:164 Resp: 215015
Ion Ratio Lower Upper
164 100
166 127.0 103.4 155.2
129 80.4 65.2 97.8
131 76.3 63.1 94.7

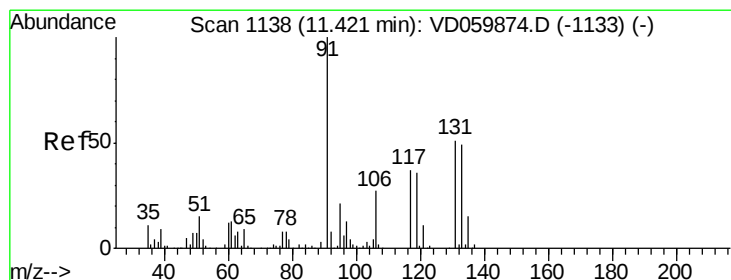
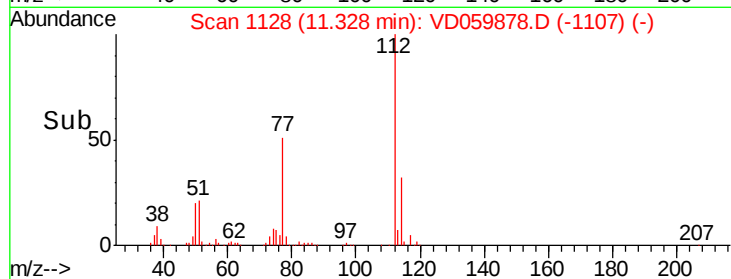
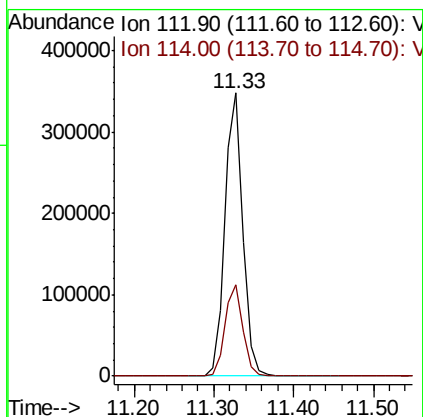
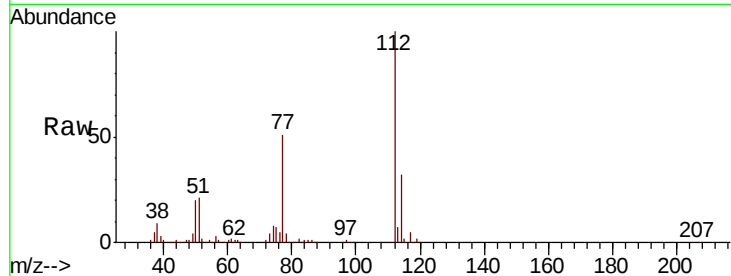




#65
Chlorobenzene
Concen: 21.293 ug/l
RT: 11.33 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

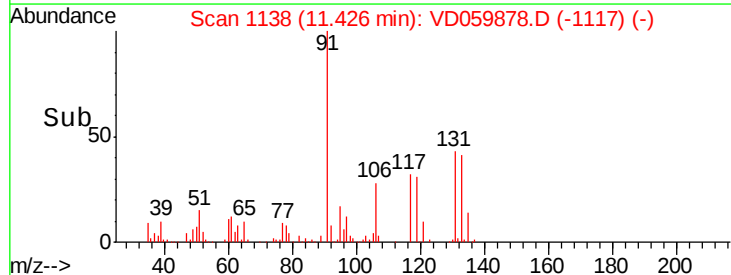
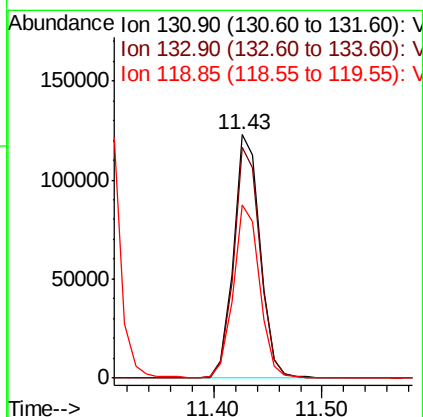
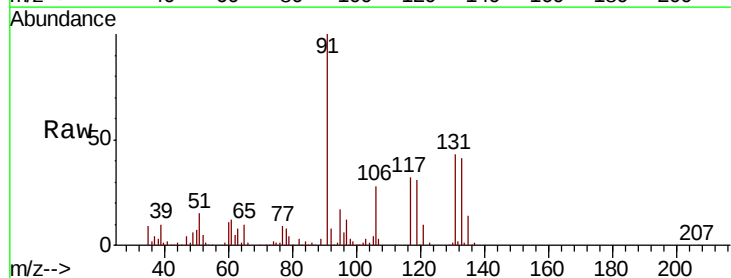
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

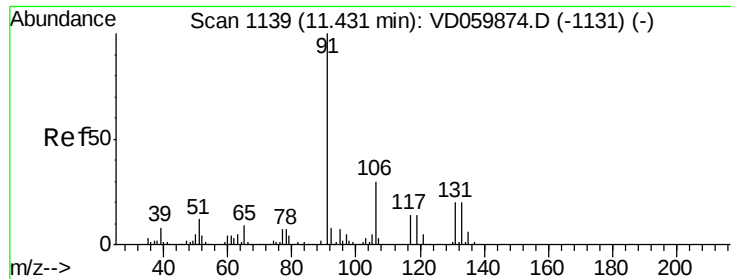
Tgt Ion:112 Resp: 552738
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.245 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion:131 Resp: 209008
Ion Ratio Lower Upper
131 100
133 94.9 48.3 144.8
119 71.4 35.4 106.3

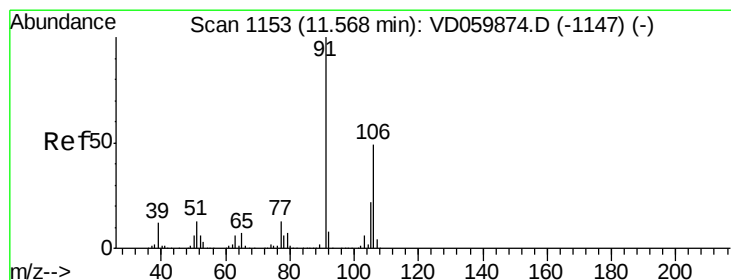
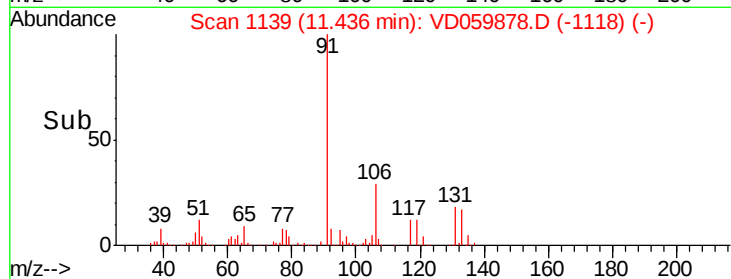
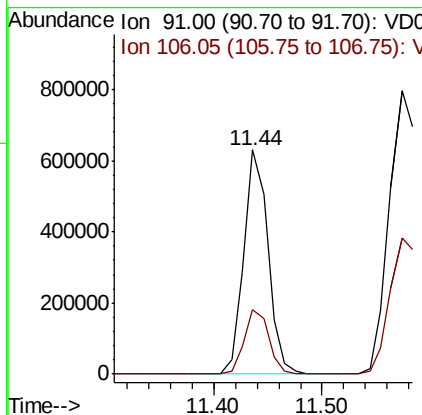
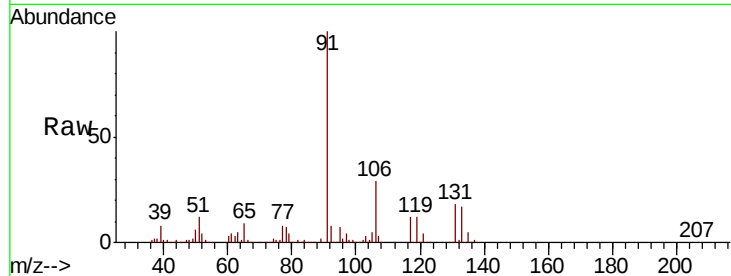




#67
Ethyl Benzene
Concen: 23.150 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

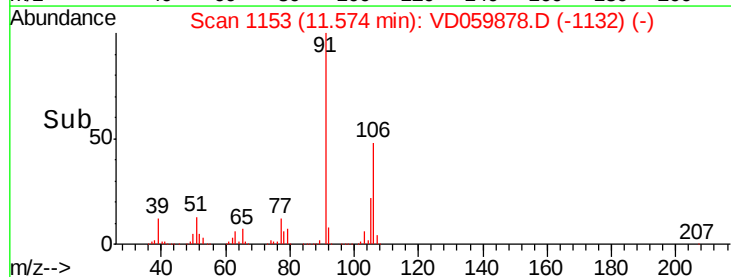
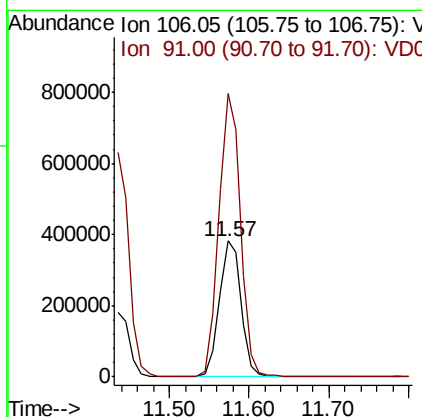
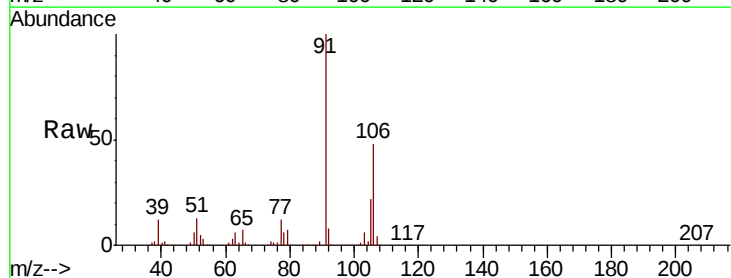
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

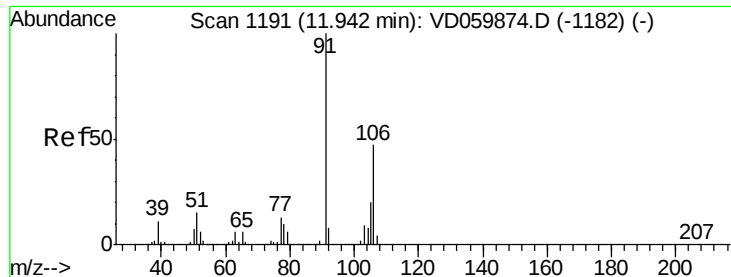
Tgt Ion: 91 Resp: 982108
Ion Ratio Lower Upper
91 100
106 28.9 23.8 35.8



#68
m/p-Xylenes
Concen: 48.147 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion: 106 Resp: 737191
Ion Ratio Lower Upper
106 100
91 208.6 162.0 243.0

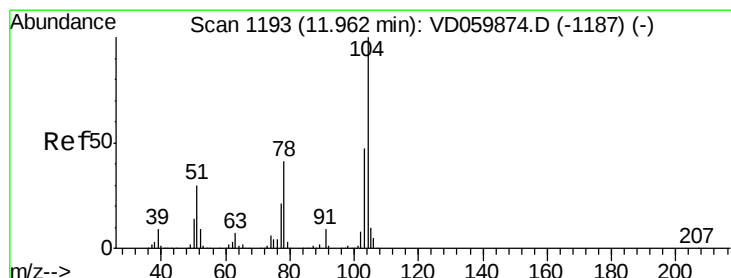
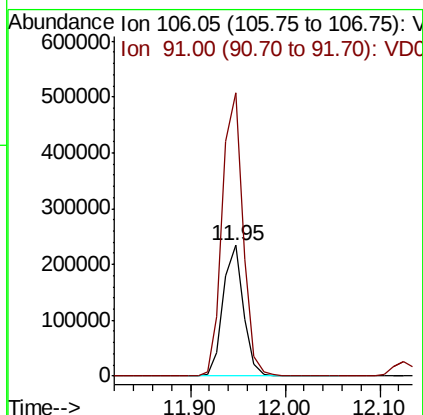
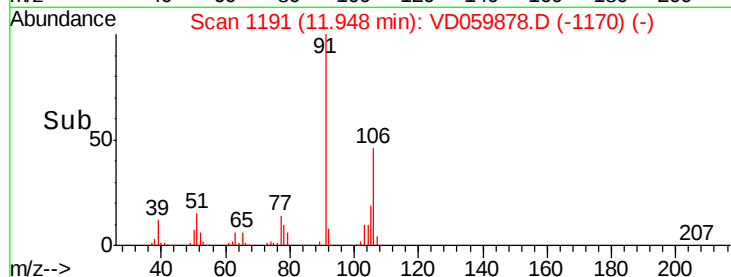
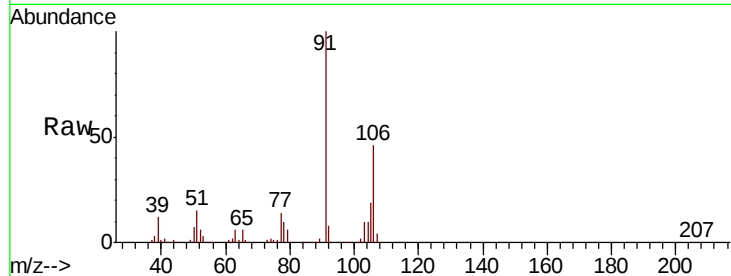




#69
o-Xylene
Concen: 23.169 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

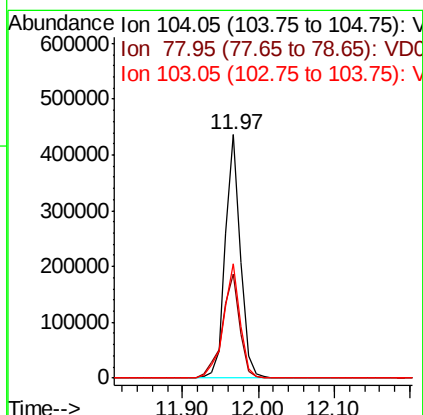
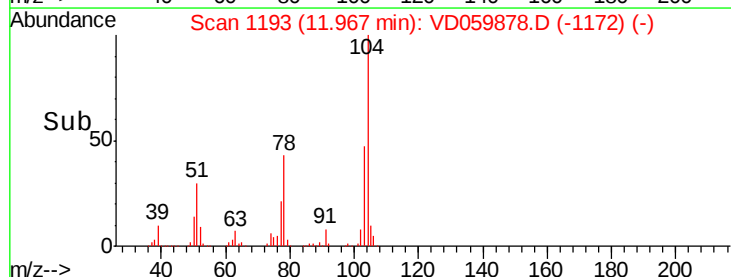
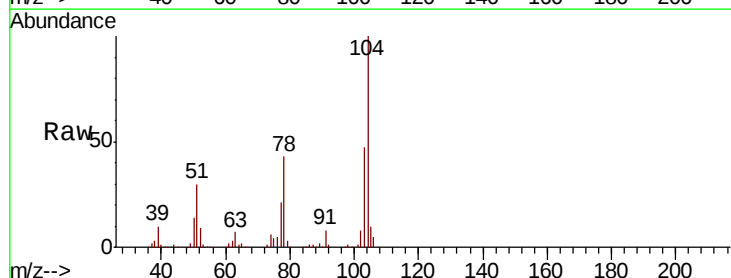
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 348234
Ion Ratio Lower Upper
106 100
91 216.7 107.3 322.0



#70
Styrene
Concen: 23.085 ug/l
RT: 11.97 min Scan# 1193
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion:104 Resp: 602703
Ion Ratio Lower Upper
104 100
78 42.8 32.6 49.0
103 46.8 37.7 56.5





#71

Bromoform

Concen: 20.989 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

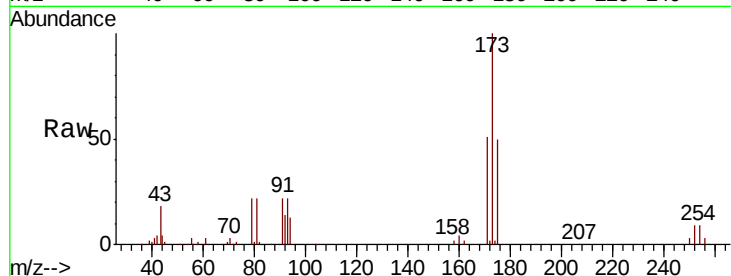
Tgt Ion:173 Resp: 175022

Ion Ratio Lower Upper

173 100

175 50.0 24.3 73.0

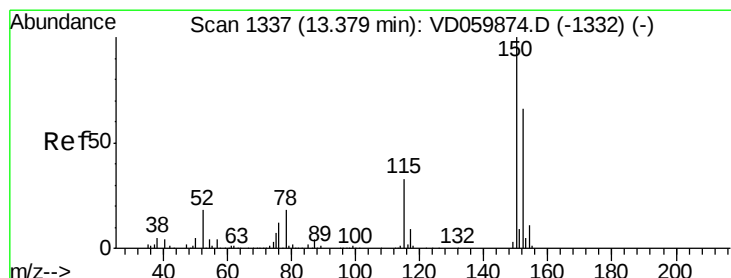
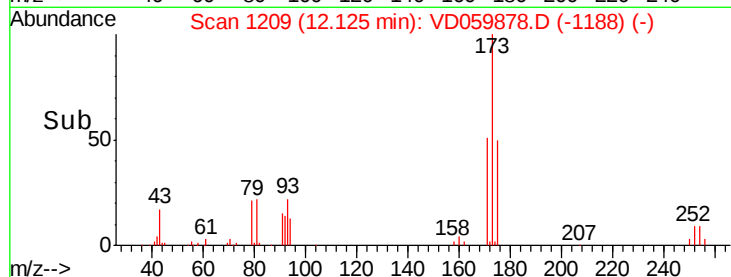
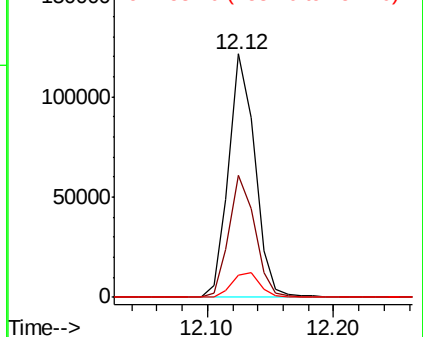
254 9.1 7.0 10.6



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: 50.000 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

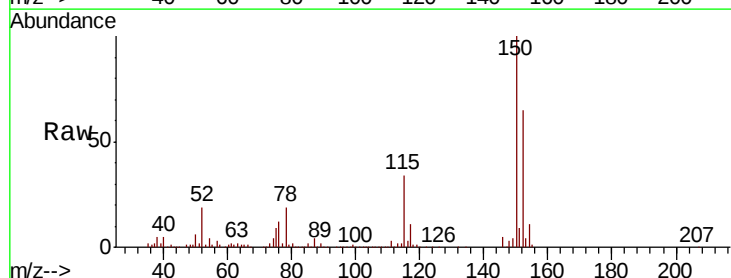
Tgt Ion:152 Resp: 711809

Ion Ratio Lower Upper

152 100

115 51.9 25.7 77.0

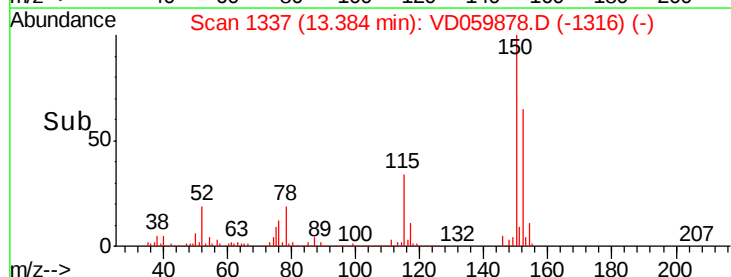
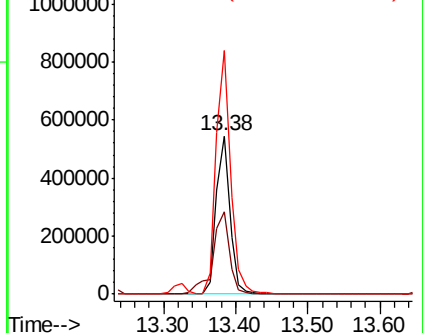
150 154.1 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.120 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

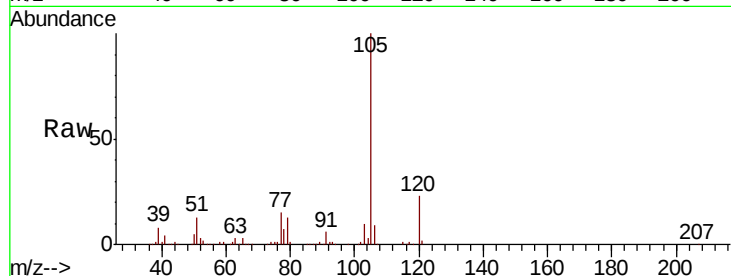
VSTDIC020

Tgt Ion:105 Resp: 947978

Ion Ratio Lower Upper

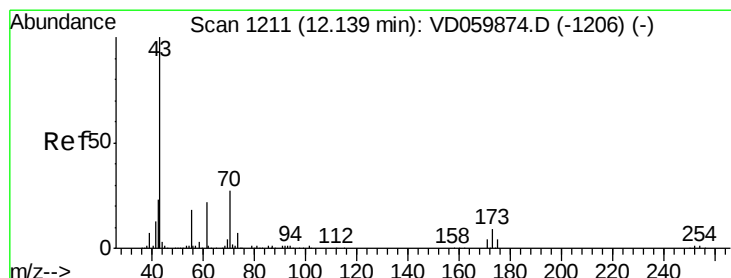
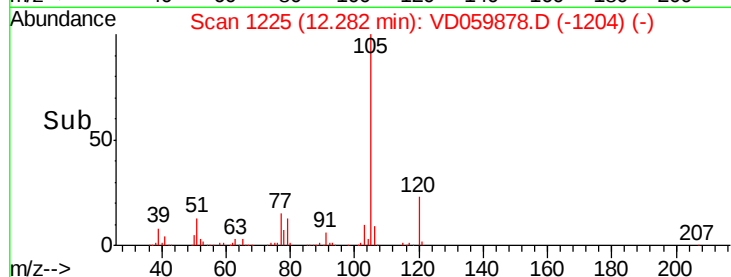
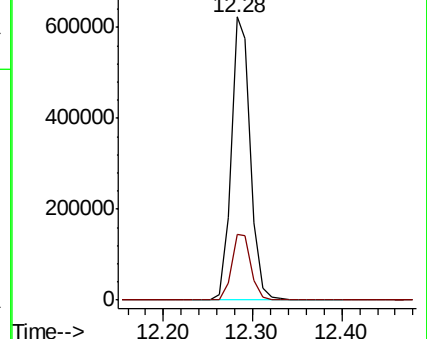
105 100

120 23.2 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.877 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Tgt Ion: 43 Resp: 418705

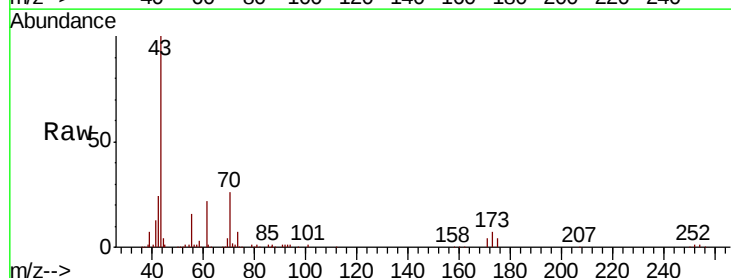
Ion Ratio Lower Upper

43 100

70 25.8 21.4 32.2

55 16.3 14.1 21.1

61 21.7 17.8 26.8

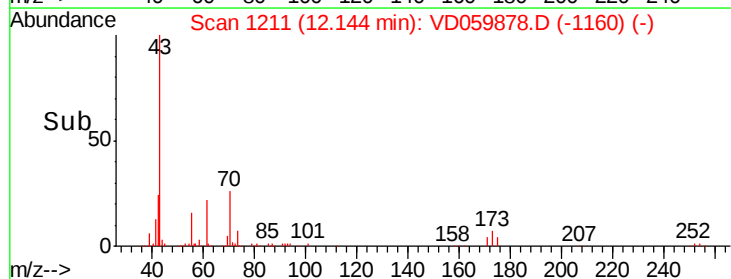
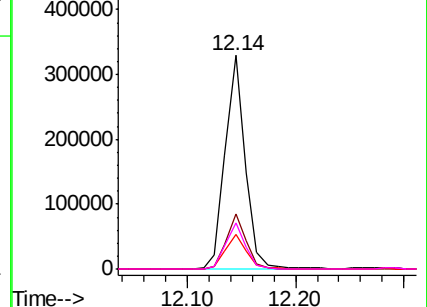


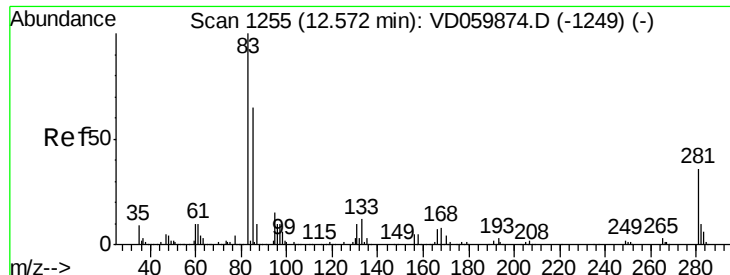
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.786 ug/l

RT: 12.58 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

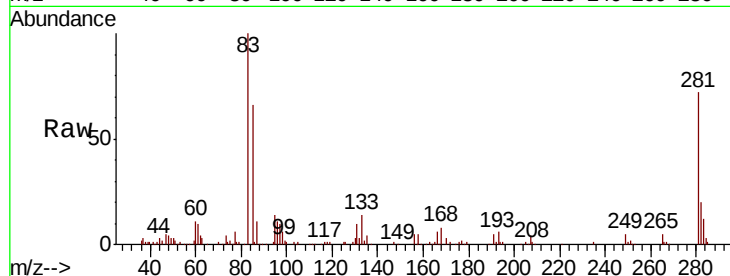
Tgt Ion: 83 Resp: 224790

Ion Ratio Lower Upper

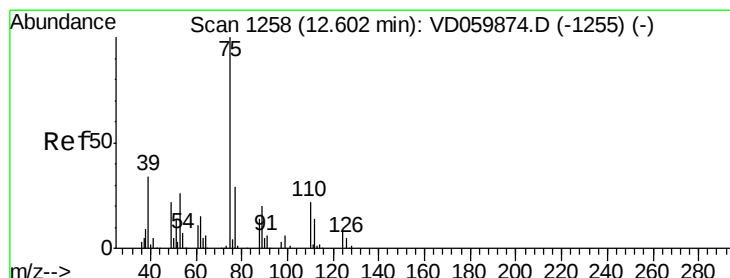
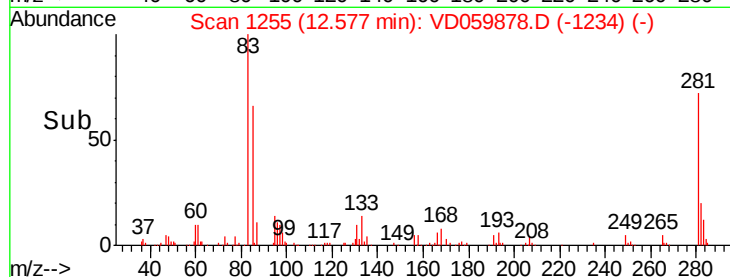
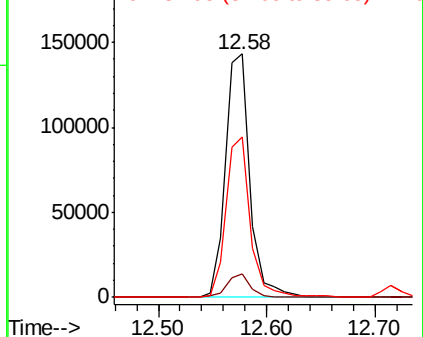
83 100

131 9.7 4.8 14.4

85 65.9 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.700 ug/l

RT: 12.61 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VD059878.D

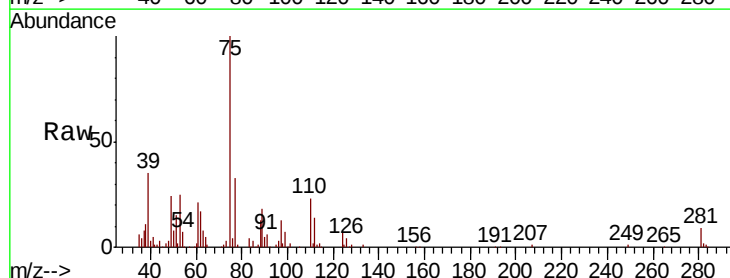
Acq: 22 Aug 2018 16:22

Tgt Ion: 75 Resp: 229962

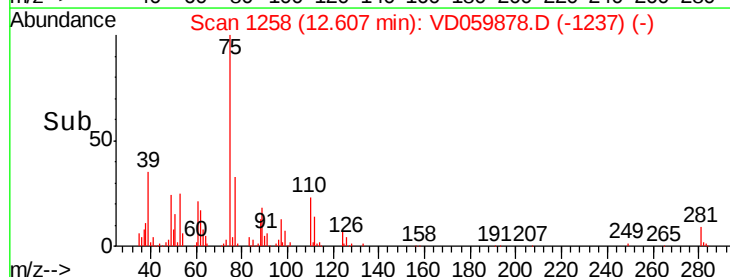
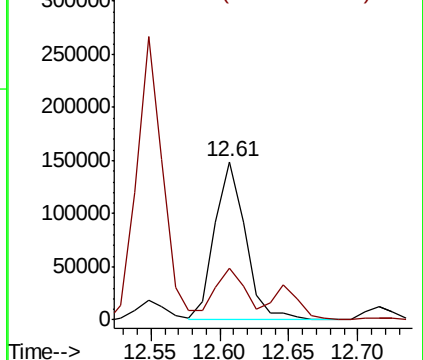
Ion Ratio Lower Upper

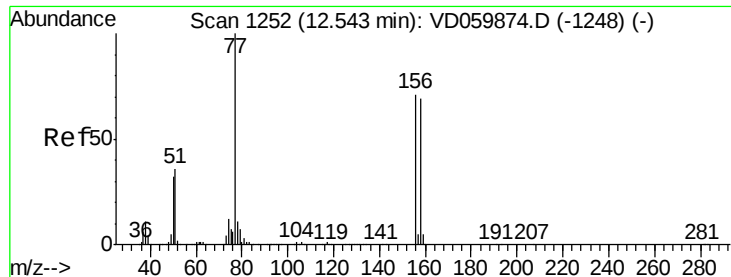
75 100

77 32.8 16.4 49.2



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





#77

Bromobenzene

Concen: 21.077 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

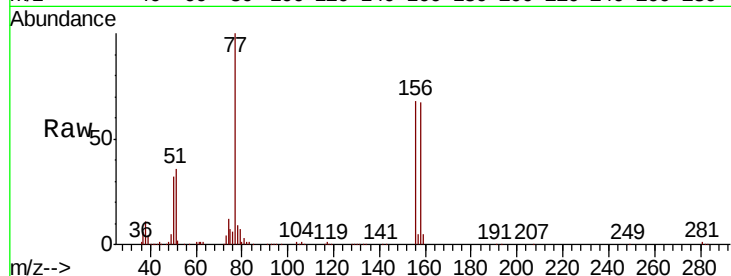
Tgt Ion: 156 Resp: 262690

Ion Ratio Lower Upper

156 100

77 147.8 70.2 210.4

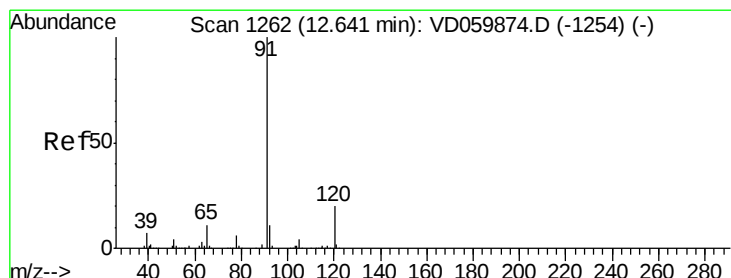
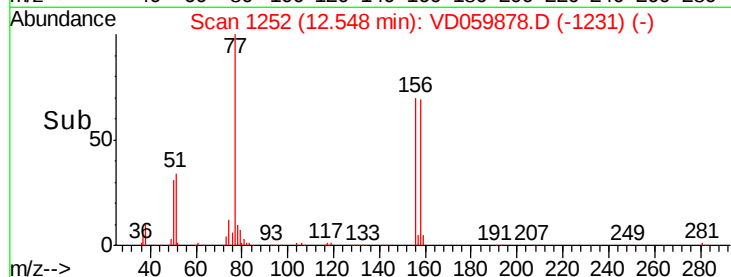
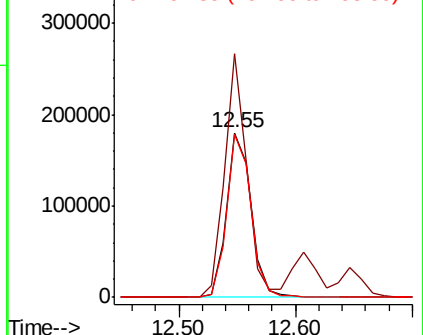
158 98.9 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.867 ug/l

RT: 12.65 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD059878.D

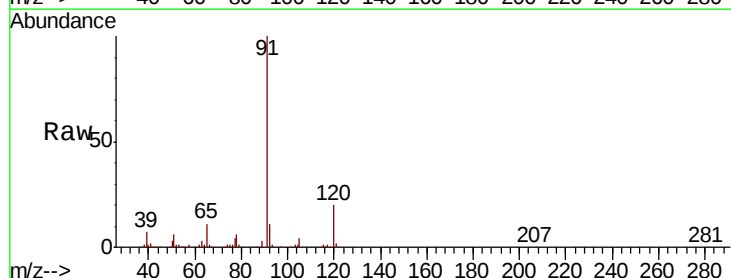
Acq: 22 Aug 2018 16:22

Tgt Ion: 91 Resp: 1219739

Ion Ratio Lower Upper

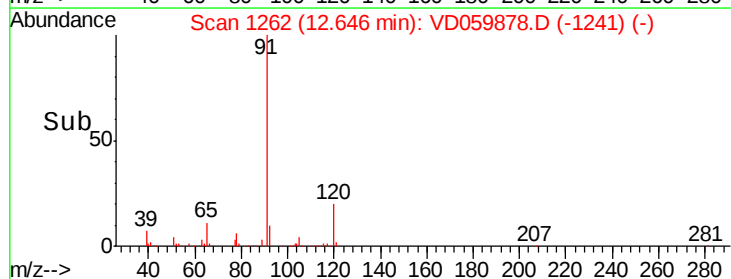
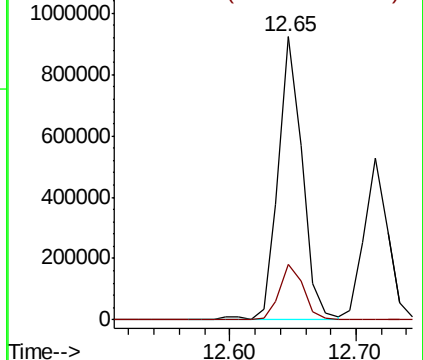
91 100

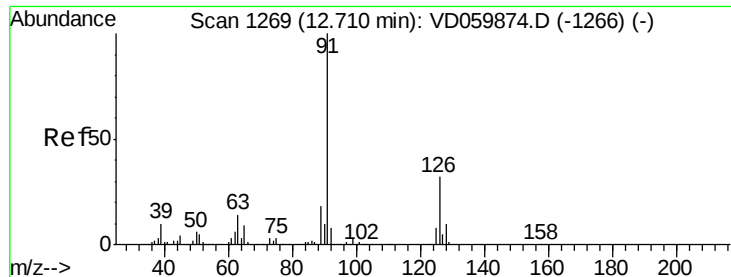
120 19.8 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.501 ug/l

RT: 12.72 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

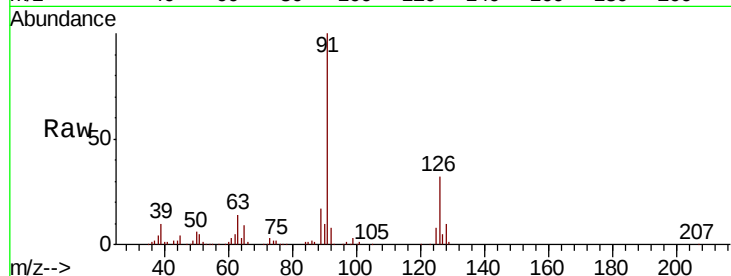
VSTDIC020

Tgt Ion: 91 Resp: 683302

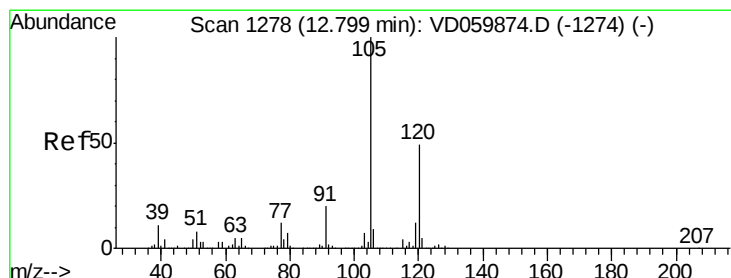
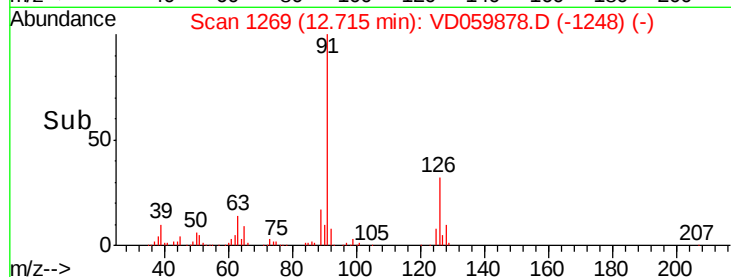
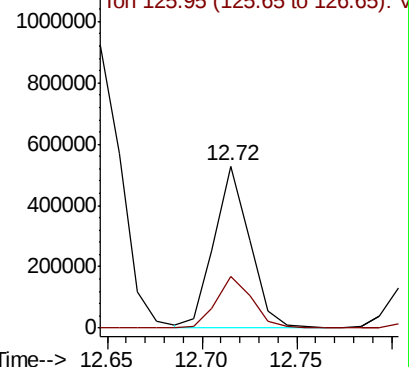
Ion Ratio Lower Upper

91 100

126 31.7 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.961 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VD059878.D

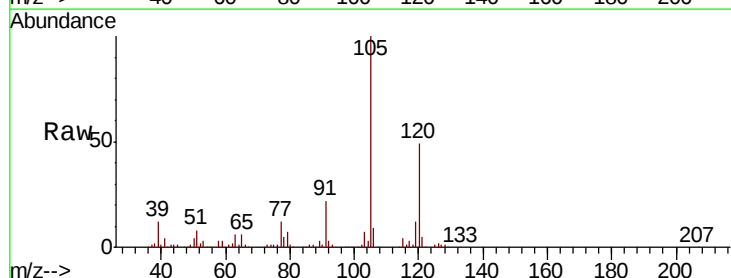
Acq: 22 Aug 2018 16:22

Tgt Ion: 105 Resp: 766121

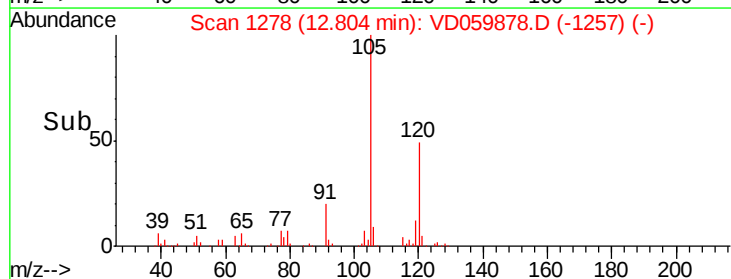
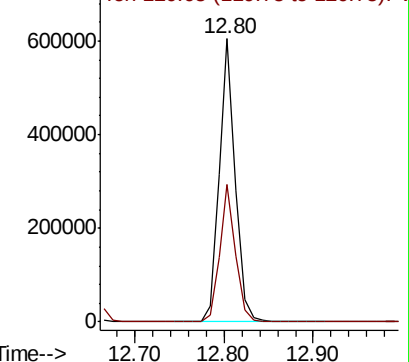
Ion Ratio Lower Upper

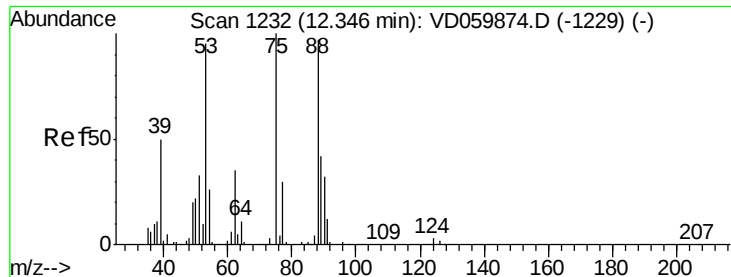
105 100

120 48.5 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.220 ug/l

RT: 12.35 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

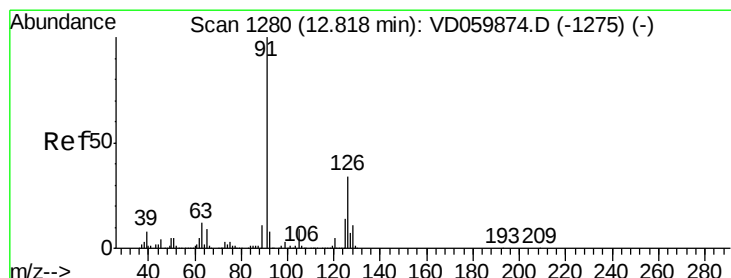
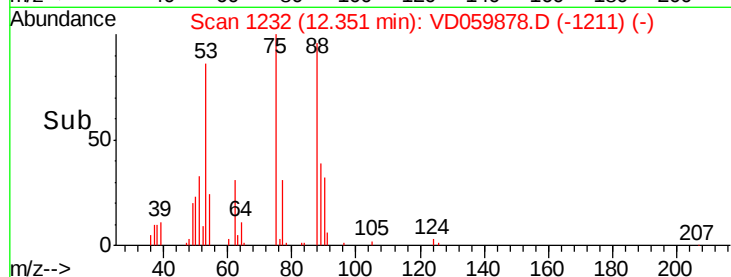
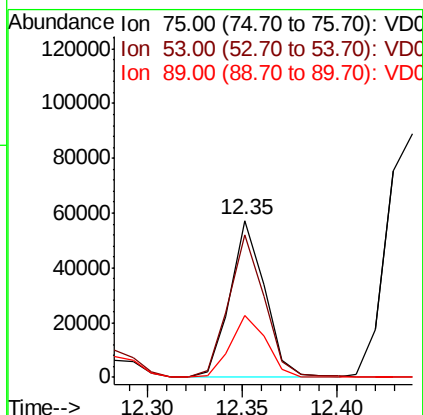
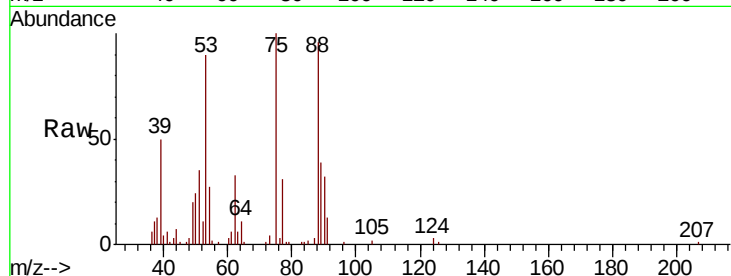
Tgt Ion: 75 Resp: 72591

Ion Ratio Lower Upper

75 100

53 90.4 75.8 113.6

89 39.0 33.6 50.4



#82

4-Chlorotoluene

Concen: 22.777 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VD059878.D

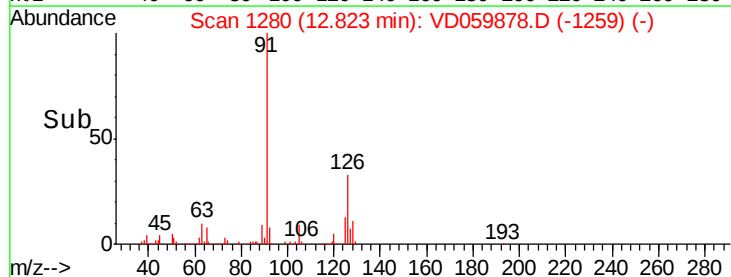
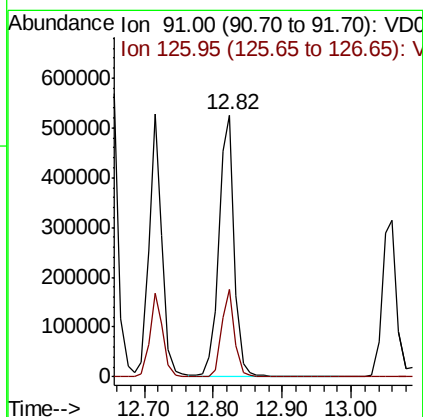
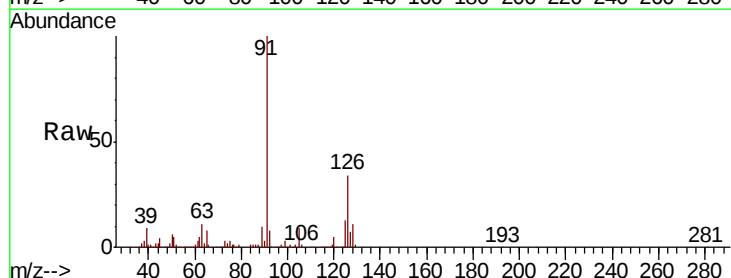
Acq: 22 Aug 2018 16:22

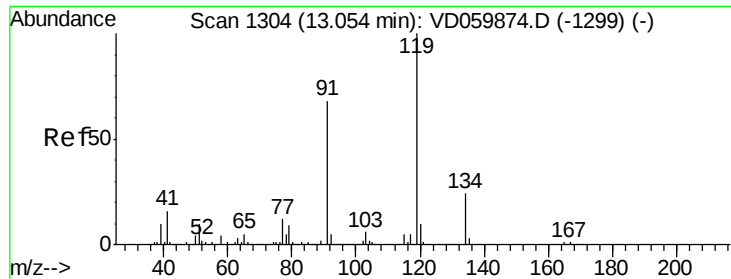
Tgt Ion: 91 Resp: 808125

Ion Ratio Lower Upper

91 100

126 33.6 17.1 51.2

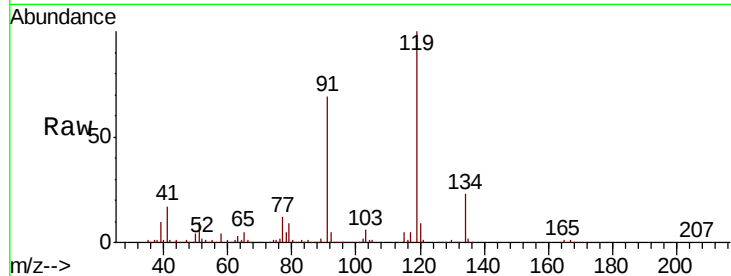




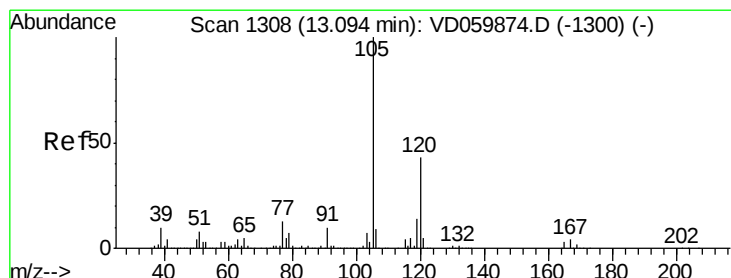
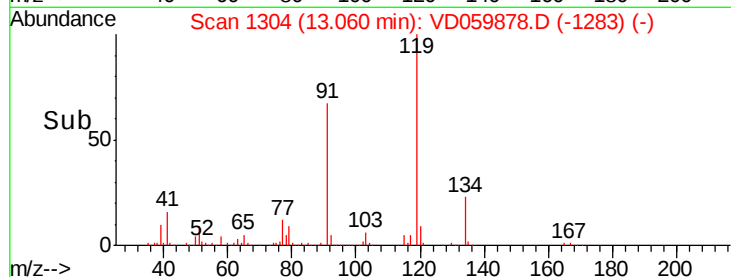
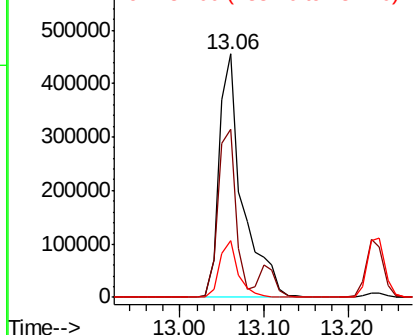
#83
 tert-Butylbenzene
 Concen: 21.564 ug/l
 RT: 13.06 min Scan# 1304
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 874457
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.3 102.9
 134 23.4 11.9 35.9

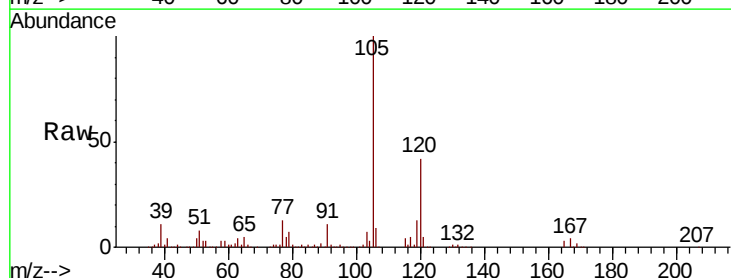


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

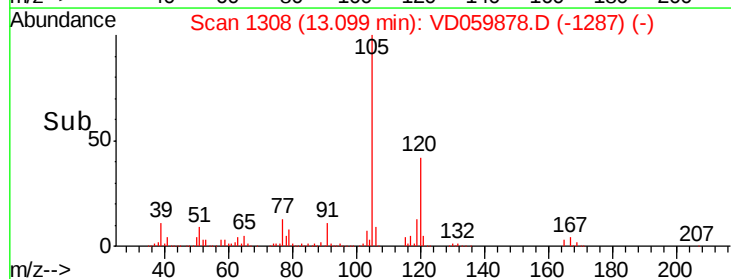
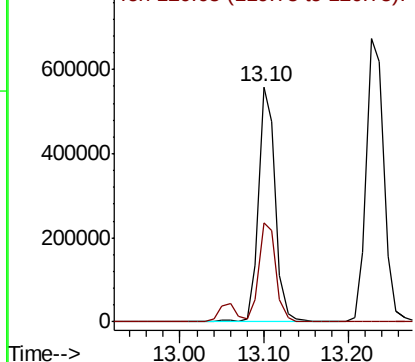


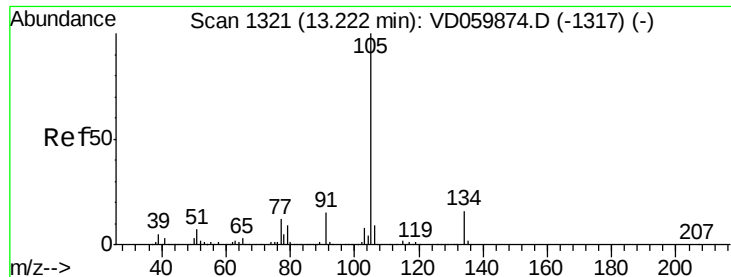
#84
 1,2,4-Trimethylbenzene
 Concen: 21.318 ug/l
 RT: 13.10 min Scan# 1308
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion:105 Resp: 783509
 Ion Ratio Lower Upper
 105 100
 120 42.4 21.8 65.3



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

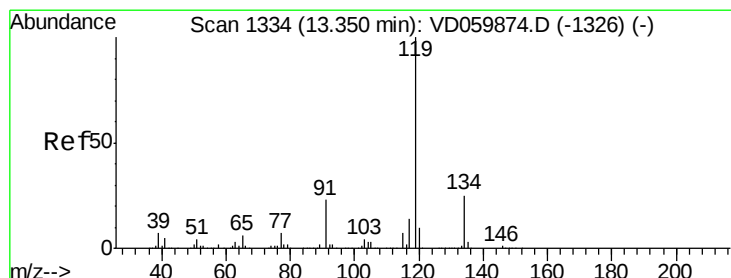
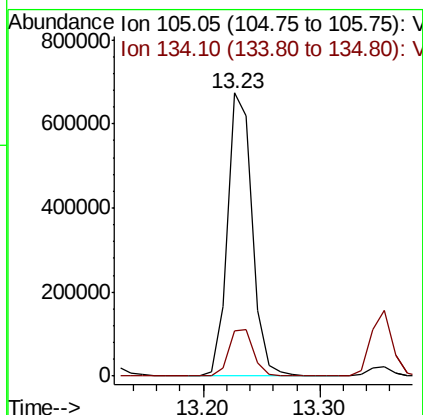
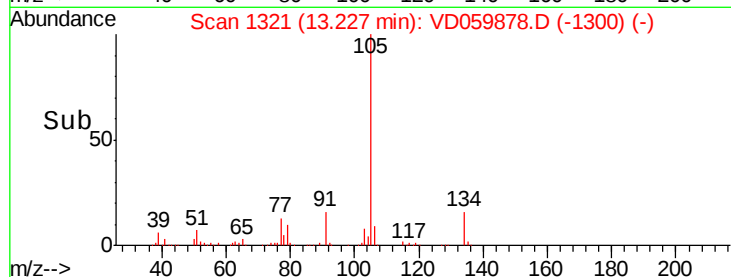
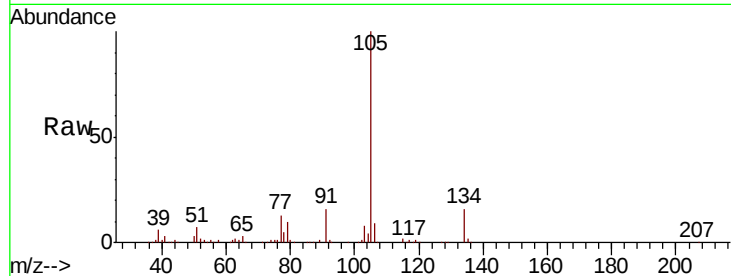




#85
 sec-Butylbenzene
 Concen: 20.639 ug/l
 RT: 13.23 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

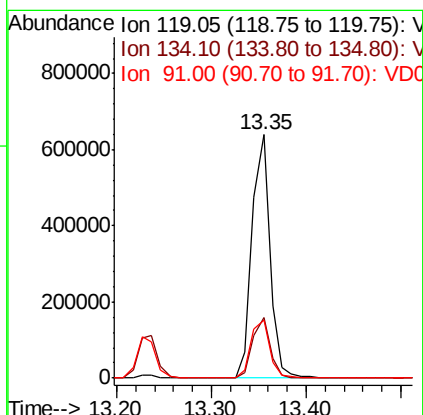
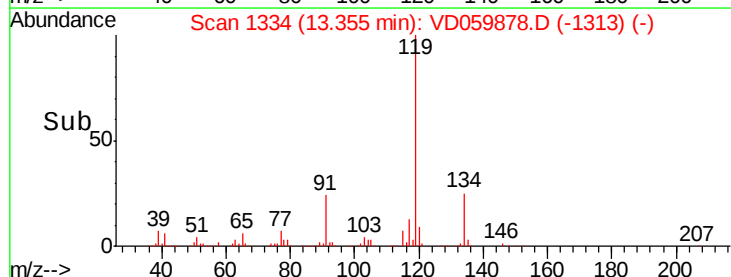
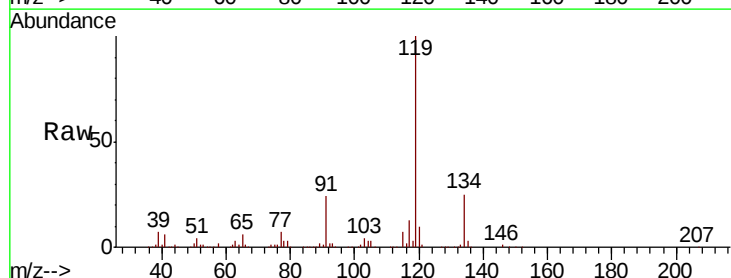
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

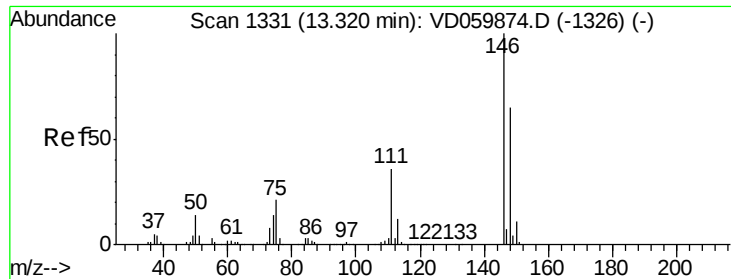
Tgt Ion:105 Resp: 980582
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 21.841 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion:119 Resp: 839432
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.7 38.1
 91 23.9 11.7 35.0

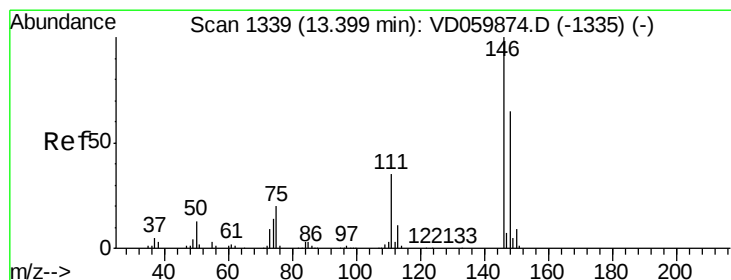
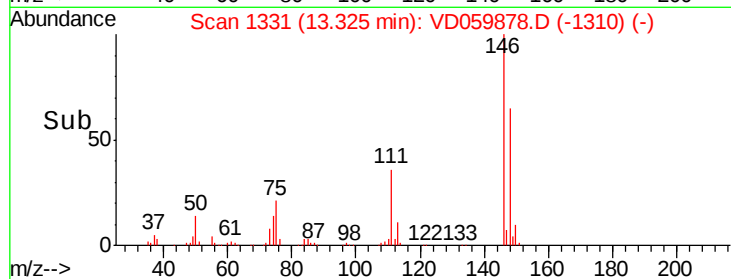
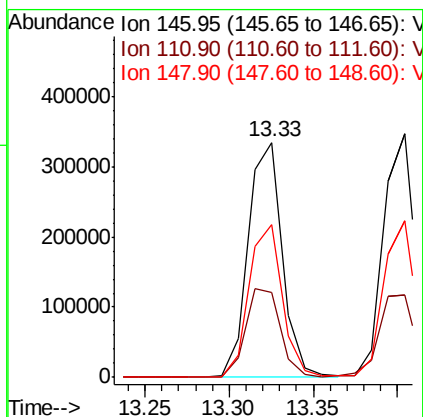
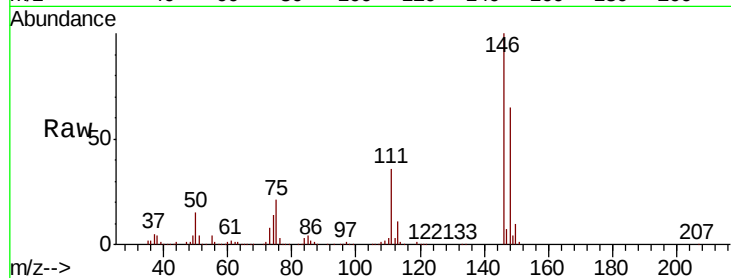




#87
 1,3-Dichlorobenzene
 Concen: 21.239 ug/l
 RT: 13.33 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

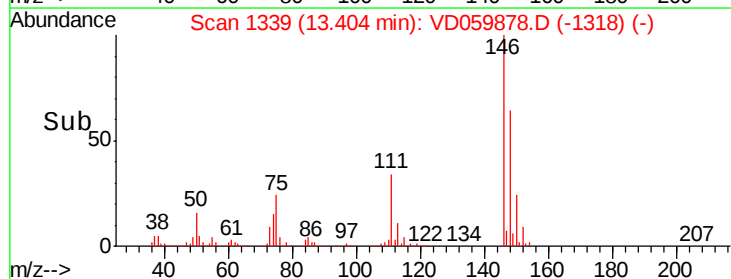
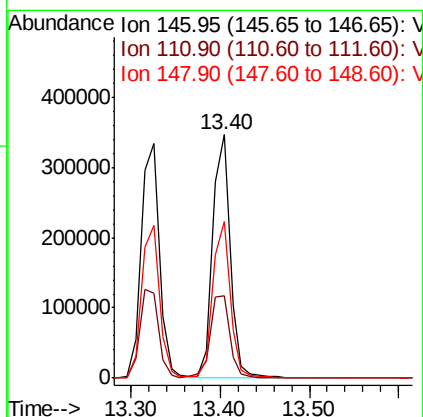
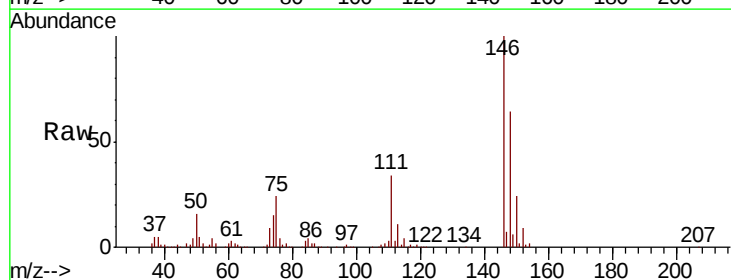
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

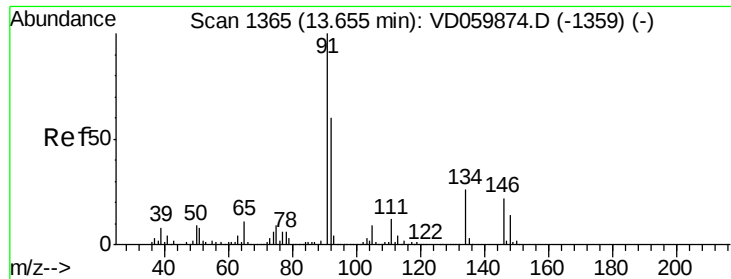
Tgt Ion:146 Resp: 469816
 Ion Ratio Lower Upper
 146 100
 111 35.8 17.9 53.7
 148 64.8 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 21.444 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion:146 Resp: 473093
 Ion Ratio Lower Upper
 146 100
 111 33.9 17.5 52.6
 148 64.2 32.5 97.5





#89

n-Butylbenzene

Concen: 23.739 ug/l

RT: 13.66 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD059878.D

Acq: 22 Aug 2018 16:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

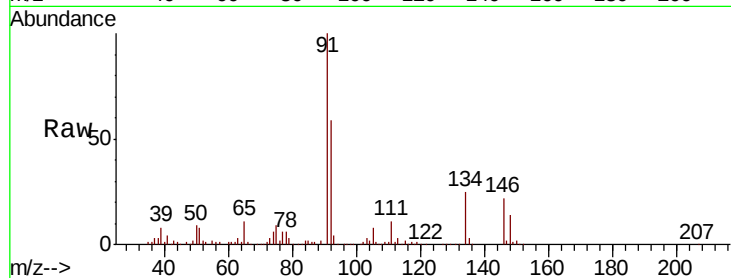
Tgt Ion: 91 Resp: 896363

Ion Ratio Lower Upper

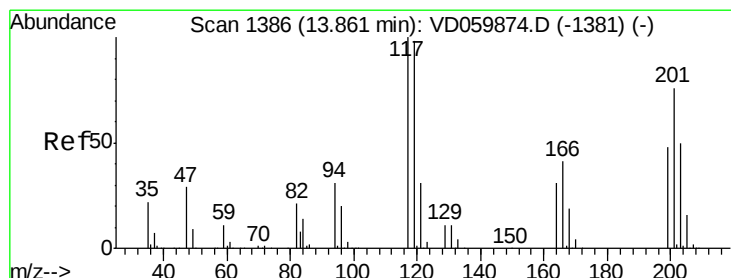
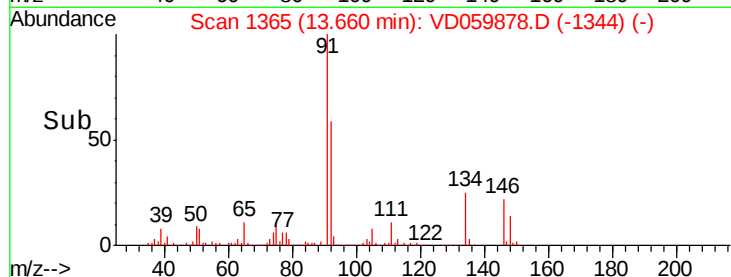
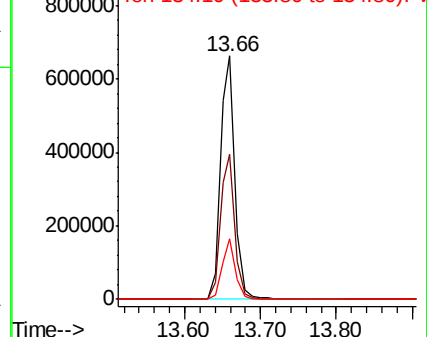
91 100

92 59.4 30.0 90.1

134 24.8 12.8 38.4



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: 20.849 ug/l

RT: 13.87 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VD059878.D

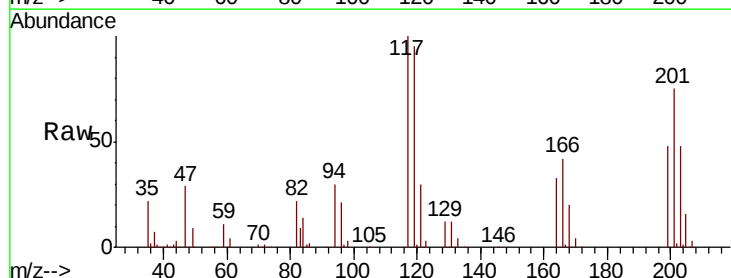
Acq: 22 Aug 2018 16:22

Tgt Ion: 117 Resp: 218199

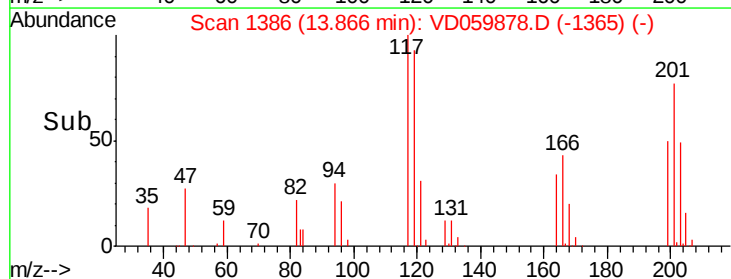
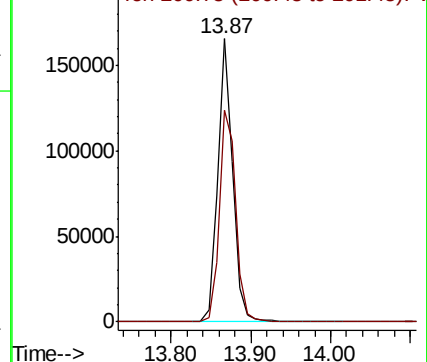
Ion Ratio Lower Upper

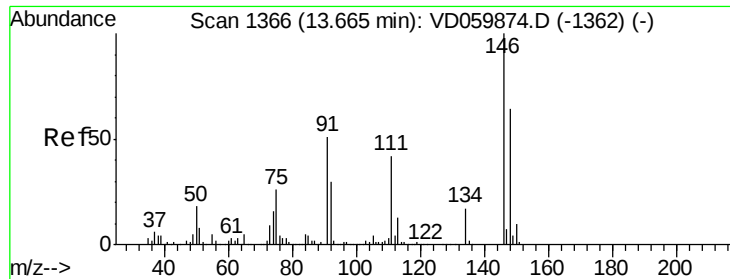
117 100

201 75.0 38.1 114.5



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

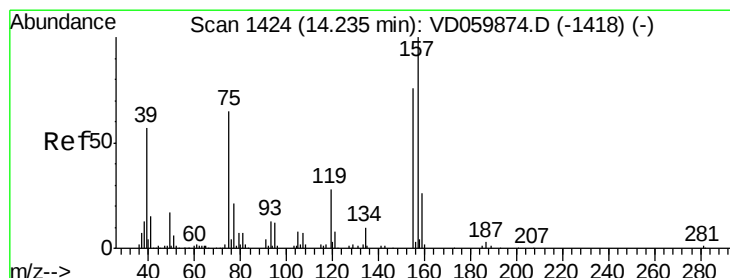
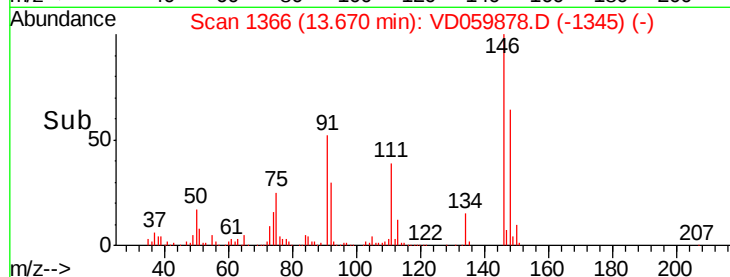
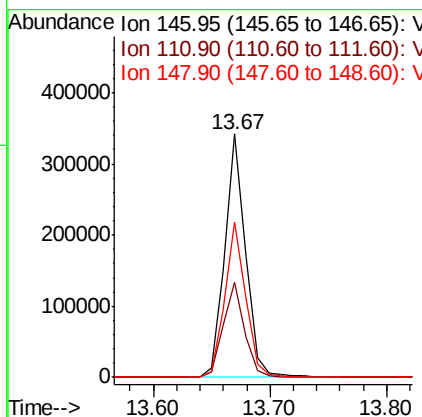
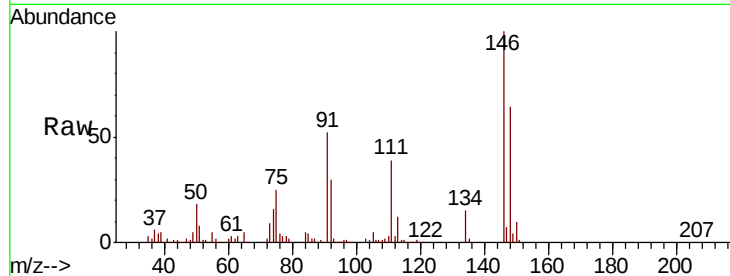




#91
 1,2-Dichlorobenzene
 Concen: 23.009 ug/l
 RT: 13.67 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

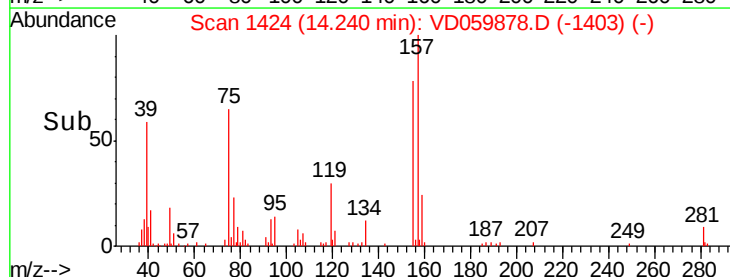
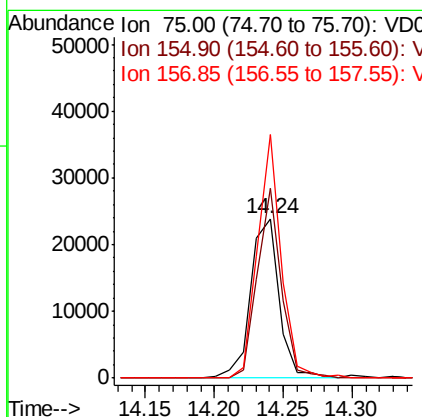
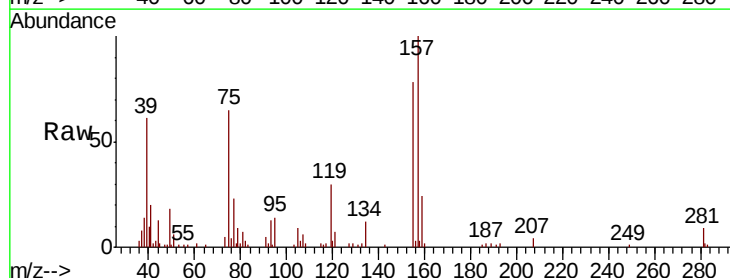
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

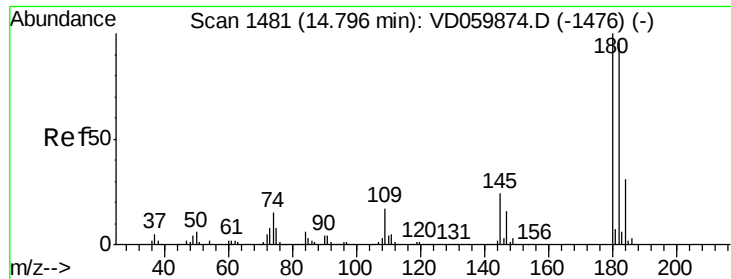
Tgt Ion:146 Resp: 424279
 Ion Ratio Lower Upper
 146 100
 111 39.3 21.1 63.1
 148 64.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.361 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion: 75 Resp: 34770
 Ion Ratio Lower Upper
 75 100
 155 119.1 58.2 174.6
 157 153.0 76.8 230.4

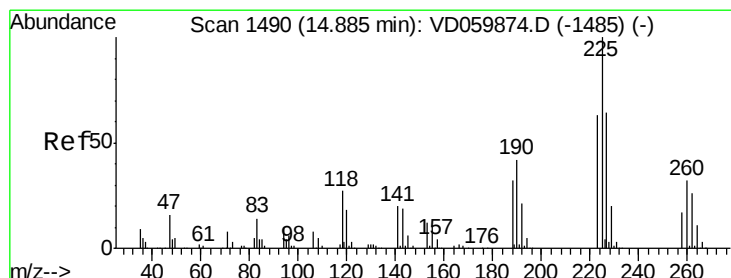
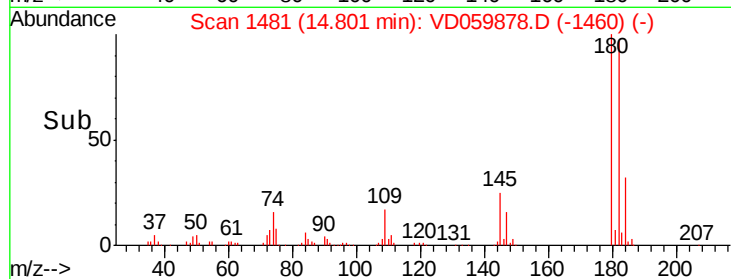
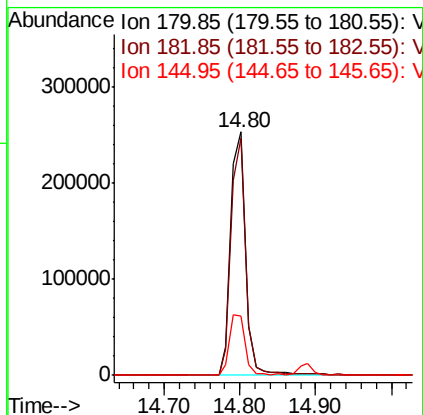
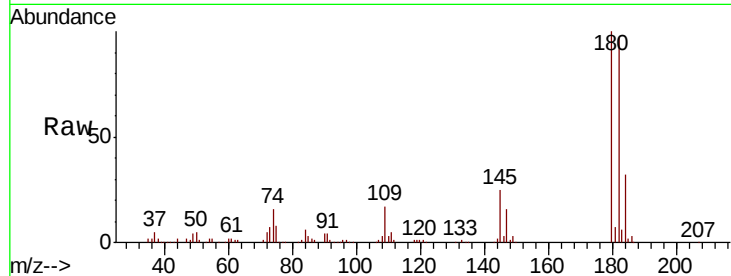




#93
 1,2,4-Trichlorobenzene
 Concen: 21.916 ug/l
 RT: 14.80 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

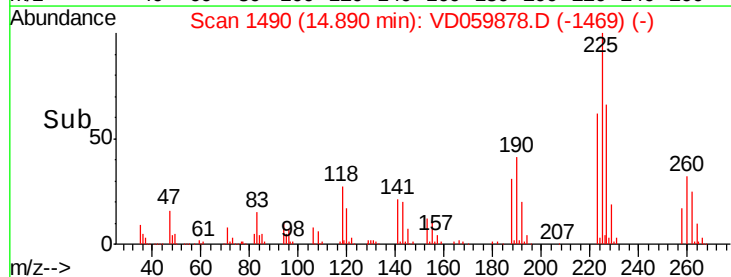
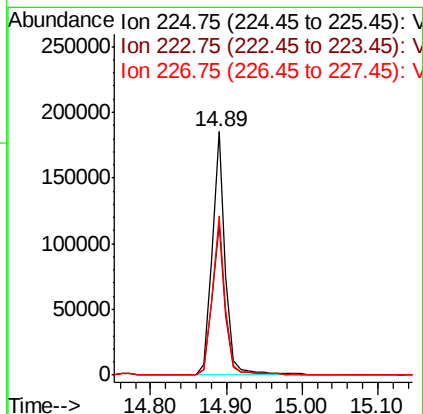
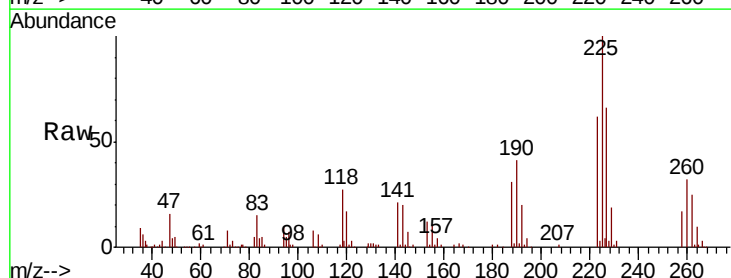
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

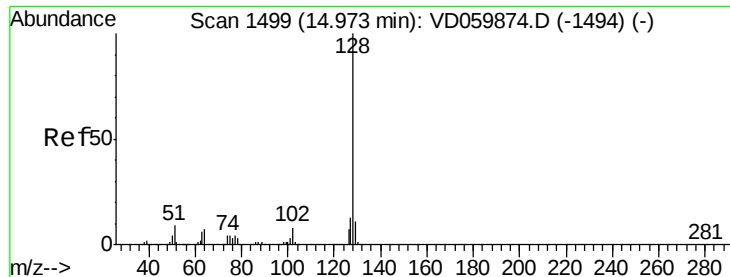
Tgt Ion:180 Resp: 346974
 Ion Ratio Lower Upper
 180 100
 182 97.3 47.9 143.7
 145 24.6 12.2 36.4



#94
 Hexachlorobutadiene
 Concen: 21.801 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.01 min
 Lab File: VD059878.D
 Acq: 22 Aug 2018 16:22

Tgt Ion:225 Resp: 228959
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.6 94.8
 227 65.5 32.0 96.0

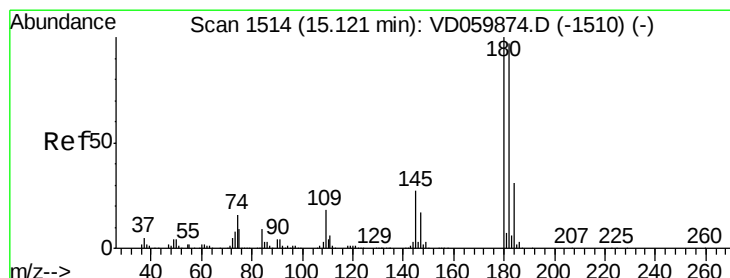
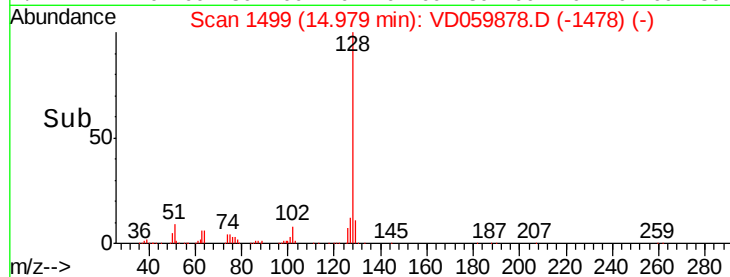
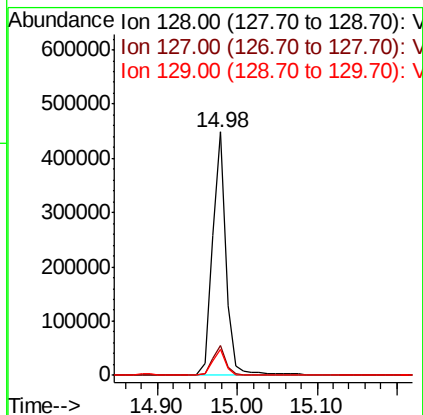
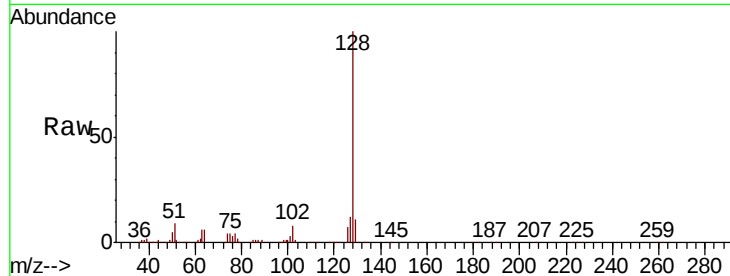




#95
Naphthalene
Concen: 21.244 ug/l
RT: 14.98 min Scan# 1499
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 533763
Ion Ratio Lower Upper
128 100
127 12.0 10.0 15.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.125 ug/l
RT: 15.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VD059878.D
Acq: 22 Aug 2018 16:22

Tgt Ion:180 Resp: 293295
Ion Ratio Lower Upper
180 100
182 95.7 48.6 145.8
145 27.6 13.6 40.8

