

Data Path : C:\USERS\EUSER\DESKTOP\UTSAV\VD0822\
 Data File : VD059871.D
 Acq On : 22 Aug 2018 12:15
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 23 03:09:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1355554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1929237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1602161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	790205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	62101	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	
35) Dibromofluoromethane	6.34	113	78958	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	9.47	98	219678	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
62) 4-Bromofluorobenzene	12.44	95	92136	5.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.80%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.58	85	74936	6.184	ug/l	94
3) Chloromethane	1.76	50	63212	5.759	ug/l	97
4) Vinyl Chloride	1.85	62	47792	5.553	ug/l	99
5) Bromomethane	2.14	94	8656	5.825	ug/l	87
6) Chloroethane	2.25	64	14444	5.335	ug/l	93
7) Trichlorofluoromethane	2.51	101	56402	5.664	ug/l	96
8) Diethyl Ether	2.82	74	12380	5.542	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.09	101	33580	5.507	ug/l	95
10) Methyl Iodide	3.25	142	22044	6.624	ug/l	97
11) Tert butyl alcohol	3.97	59	21618	24.798	ug/l #	24
12) 1,1-Dichloroethene	3.08	96	26509	5.584	ug/l	92
13) Acrolein	2.98	56	10030	26.527	ug/l #	62
14) Allyl chloride	3.54	41	56342	5.246	ug/l	96
15) Acrylonitrile	4.08	53	79808	24.447	ug/l	99
16) Acetone	3.16	43	48626	23.361	ug/l	95
17) Carbon Disulfide	3.32	76	85017	5.769	ug/l	98
18) Methyl Acetate	3.56	43	27193	6.258	ug/l #	93
19) Methyl tert-butyl Ether	4.12	73	135209	5.035	ug/l	94
20) Methylene Chloride	3.72	84	120475	5.348	ug/l	99
21) trans-1,2-Dichloroethene	4.10	96	72702	5.558	ug/l	94
22) Diisopropyl ether	4.86	45	282183	5.152	ug/l	98
23) Vinyl Acetate	4.81	43	727313	23.754	ug/l	99
24) 1,1-Dichloroethane	4.76	63	123866	5.235	ug/l	99
25) 2-Butanone	5.64	43	141099	22.887	ug/l	99
26) 2,2-Dichloropropane	5.60	77	122369	6.186	ug/l	94
27) cis-1,2-Dichloroethene	5.61	96	76208	5.321	ug/l	98
28) Bromochloromethane	5.93	49	61381	5.412	ug/l	97
29) Tetrahydrofuran	5.96	42	72136	24.578	ug/l #	93
30) Chloroform	6.11	83	127109	5.286	ug/l	95
31) Cyclohexane	6.38	56	133257	6.126	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	108900	5.336	ug/l	97
36) 1,1-Dichloropropene	6.53	75	94949	5.429	ug/l	98
37) Ethyl Acetate	5.71	43	71510	5.255	ug/l	99
38) Carbon Tetrachloride	6.51	117	97763	5.539	ug/l	96

Data Path : C:\USERS\EUSER\DESKTOP\UTSAV\VD0822\
 Data File : VD059871.D
 Acq On : 22 Aug 2018 12:15
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 23 03:09:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	97542	5.162	ug/l	97
40) Benzene	6.81	78	233356	5.132	ug/l	99
41) Methacrylonitrile	5.96	41	79981	11.667	ug/l #	77
42) 1,2-Dichloroethane	6.91	62	70683	4.842	ug/l	95
43) Isopropyl Acetate	8.35	43	79655	4.499	ug/l #	99
44) Trichloroethene	7.75	130	67821	5.065	ug/l	95
45) 1,2-Dichloropropane	8.12	63	63357	4.985	ug/l	98
46) Dibromomethane	8.23	93	39308	4.810	ug/l	97
47) Bromodichloromethane	8.50	83	91167	4.927	ug/l	99
48) Methyl methacrylate	8.26	41	51083	4.950	ug/l	98
49) 1,4-Dioxane	8.25	88	8037	87.224	ug/l #	42
51) 4-Methyl-2-Pentanone	9.36	43	277443	21.020	ug/l	98
52) Toluene	9.56	92	147905	5.072	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	81494	4.762	ug/l #	85
54) cis-1,3-Dichloropropene	9.11	75	96241	4.850	ug/l	96
55) 1,1,2-Trichloroethane	10.19	97	62862	5.898	ug/l #	83
56) Ethyl methacrylate	10.05	69	57654	4.687	ug/l	100
57) 1,3-Dichloropropane	10.39	76	73490	4.764	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.93	63	148474	25.160	ug/l	96
59) 2-Hexanone	10.50	43	201822	20.730	ug/l	98
60) Dibromochloromethane	10.65	129	63457	4.737	ug/l	100
61) 1,2-Dibromoethane	10.76	107	50037	4.643	ug/l	95
64) Tetrachloroethene	10.26	164	65394	5.279	ug/l	95
65) Chlorobenzene	11.33	112	161487	5.072	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	58934	5.067	ug/l	96
67) Ethyl Benzene	11.43	91	283908	5.301	ug/l	99
68) m/p-Xylenes	11.57	106	212286	10.886	ug/l	91
69) o-Xylene	11.95	106	100547	5.271	ug/l	98
70) Styrene	11.97	104	167883	5.083	ug/l	98
71) Bromoform	12.12	173	46175	4.588	ug/l	99
73) Isopropylbenzene	12.28	105	269071	5.334	ug/l	100
74) N-amyl acetate	12.14	43	112550	5.096	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	62030	5.316	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	62691	5.104	ug/l	100
77) Bromobenzene	12.55	156	72618	5.192	ug/l	97
78) n-propylbenzene	12.64	91	358753	5.617	ug/l	99
79) 2-Chlorotoluene	12.71	91	193350	5.353	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	218401	5.446	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	18528	4.850	ug/l	96
82) 4-Chlorotoluene	12.81	91	232498	5.643	ug/l	84
83) tert-Butylbenzene	13.06	119	236783	5.183	ug/l	100
84) 1,2,4-Trimethylbenzene	13.10	105	229351	5.487	ug/l	99
85) sec-Butylbenzene	13.22	105	292431	5.443	ug/l	99
86) p-Isopropyltoluene	13.35	119	240854	5.513	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	133279	5.338	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	134586	5.403	ug/l	97
89) n-Butylbenzene	13.66	91	254778	4.406	ug/l	97
90) Hexachloroethane	13.86	117	60267	5.137	ug/l	95
91) 1,2-Dichlorobenzene	13.67	146	116044	5.466	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	9091	5.068	ug/l	89

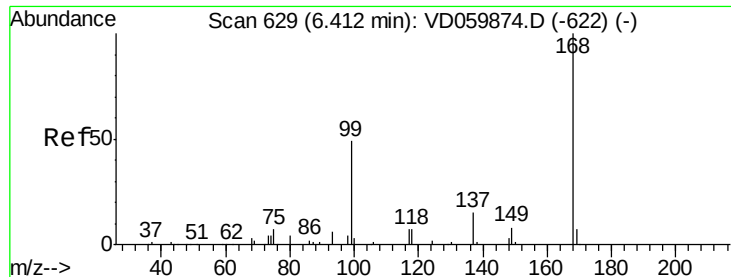
Data Path : C:\USERS\EUSER\DESKTOP\UTSAV\VD0822\
Data File : VD059871.D
Acq On : 22 Aug 2018 12:15
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Aug 23 03:09:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	93652	5.152	ug/l	97
94) Hexachlorobutadiene	14.89	225	58218	4.886	ug/l	99
95) Naphthalene	14.98	128	134803	4.853	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	76382	4.913	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

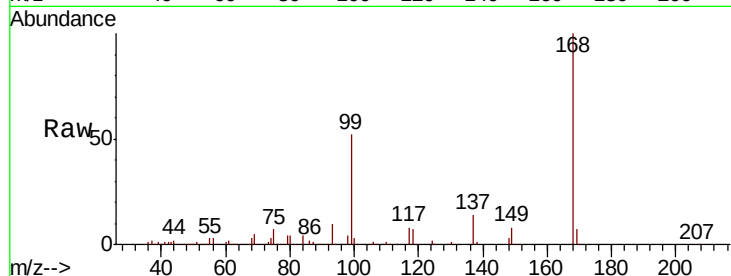
VSTDIC005

Tgt Ion:168 Resp: 135554

Ion Ratio Lower Upper

168 100

99 52.0 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

500000

400000

300000

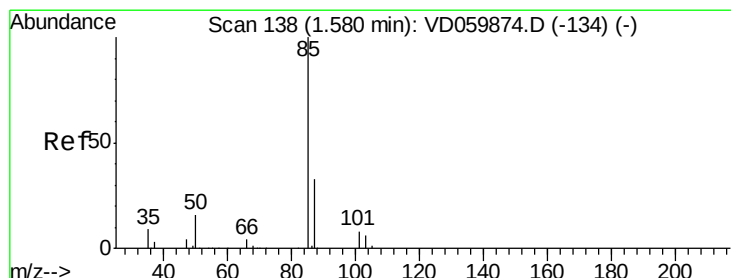
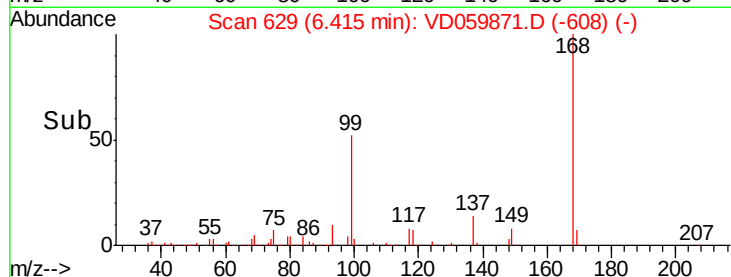
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 6.184 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059871.D

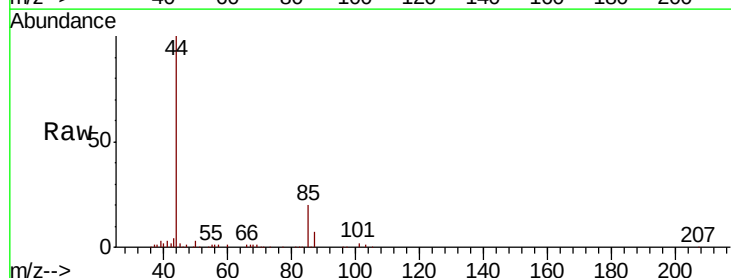
Acq: 22 Aug 2018 12:15

Tgt Ion: 85 Resp: 74936

Ion Ratio Lower Upper

85 100

87 37.2 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

30000

25000

20000

15000

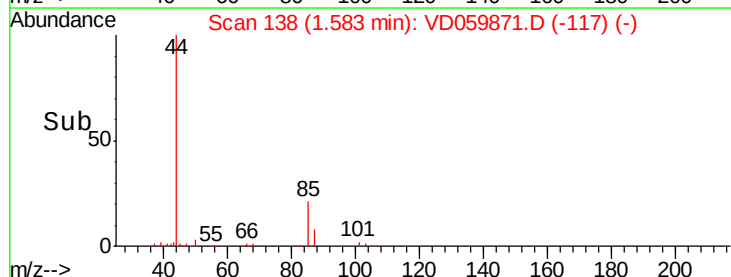
10000

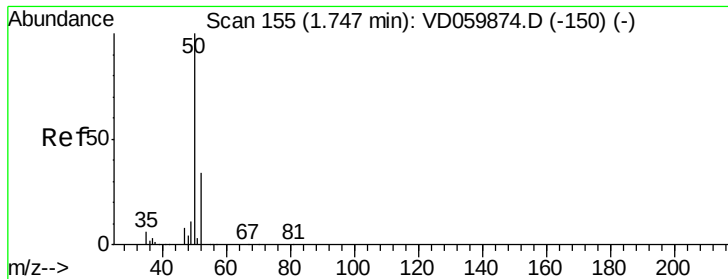
5000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 5.759 ug/l

RT: 1.76 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

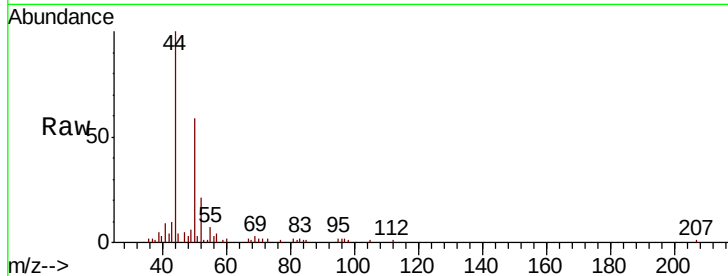
VSTDIC005

Tgt Ion: 50 Resp: 63212

Ion Ratio Lower Upper

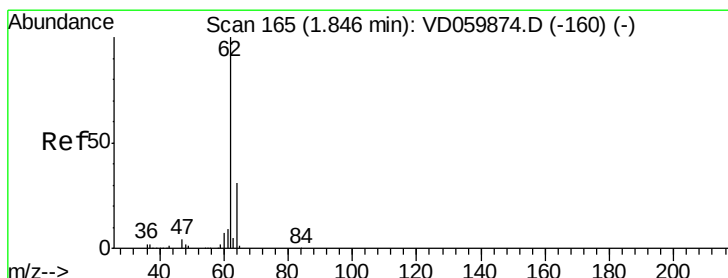
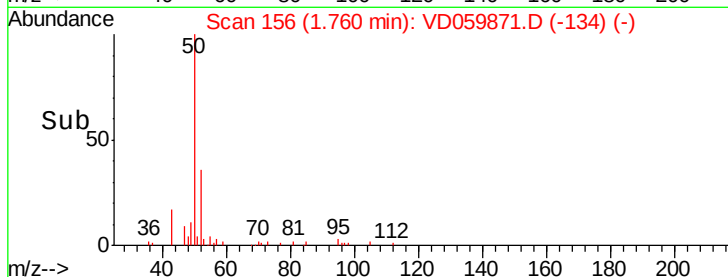
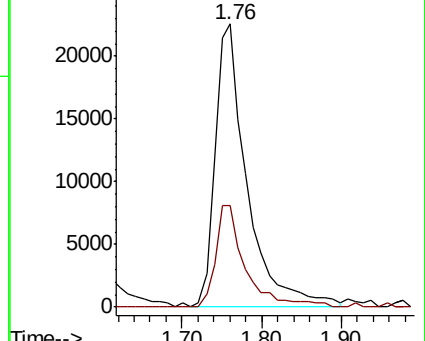
50 100

52 35.7 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: 5.553 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD059871.D

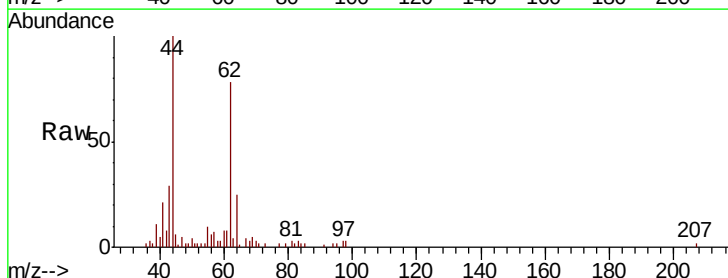
Acq: 22 Aug 2018 12:15

Tgt Ion: 62 Resp: 47792

Ion Ratio Lower Upper

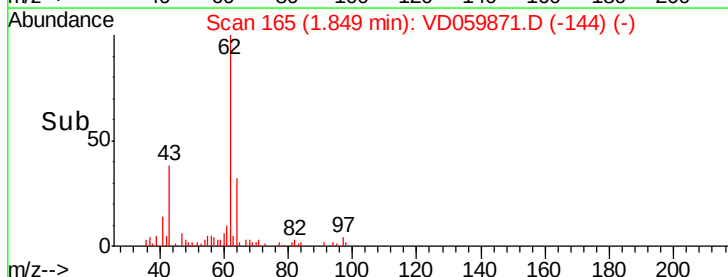
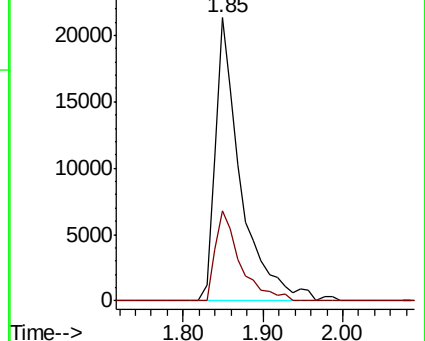
62 100

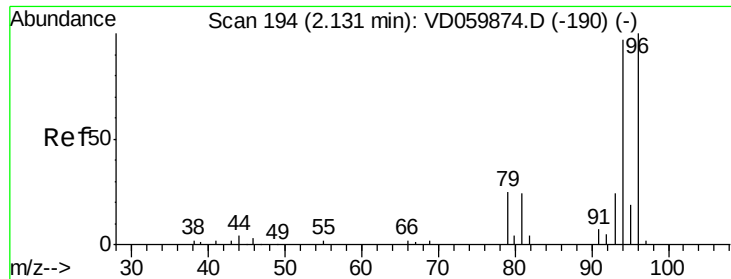
64 31.9 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

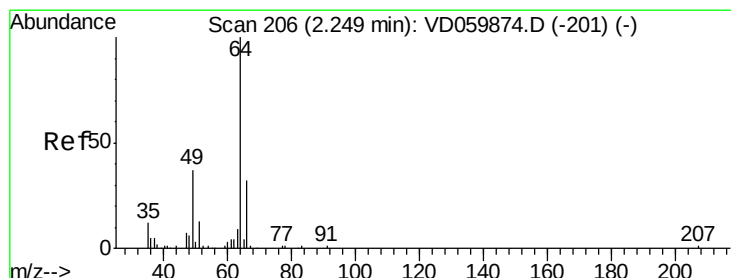
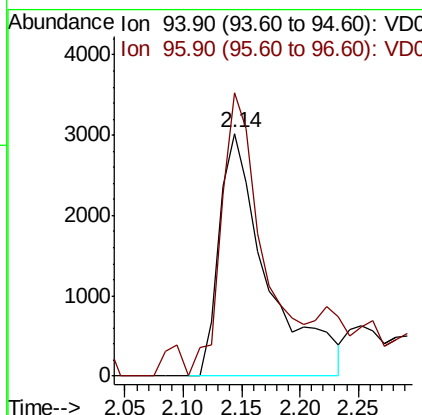
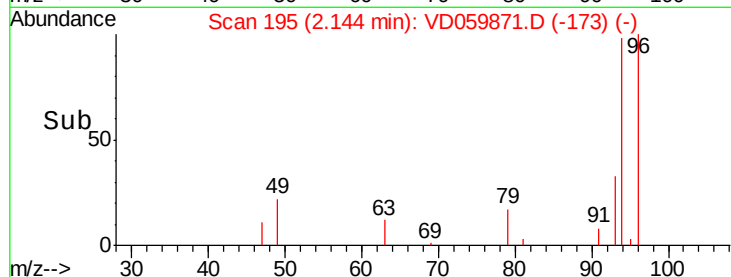
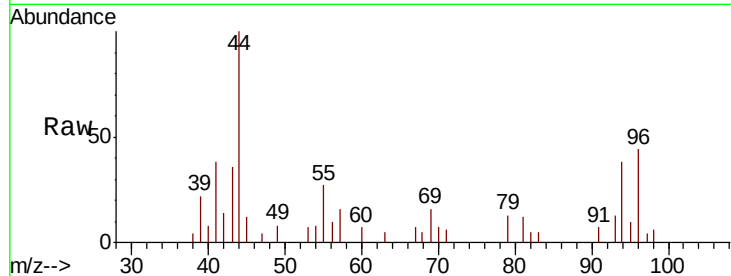




#5
 Bromomethane
 Concen: 5.825 ug/l
 RT: 2.14 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

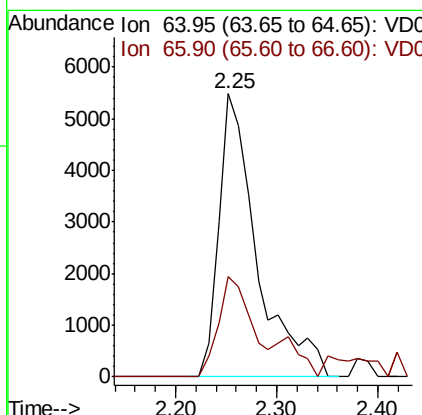
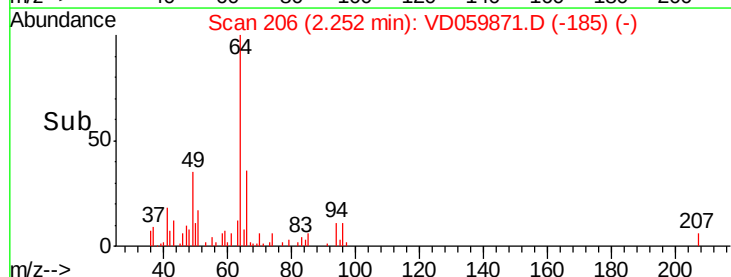
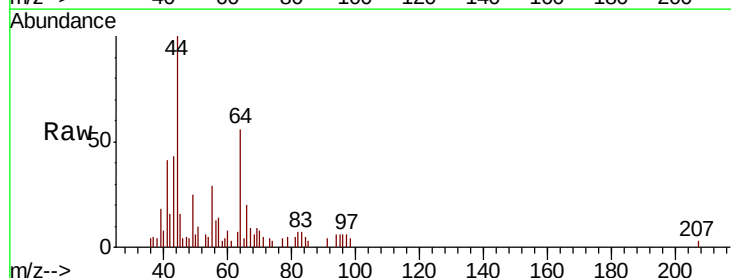
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

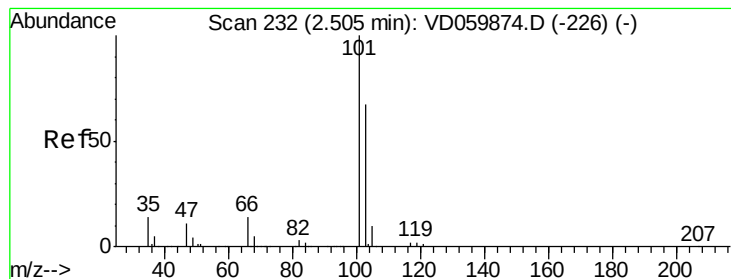
Tgt Ion: 94 Resp: 8656
 Ion Ratio Lower Upper
 94 100
 96 116.6 82.4 123.6



#6
 Chloroethane
 Concen: 5.335 ug/l
 RT: 2.25 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 64 Resp: 14444
 Ion Ratio Lower Upper
 64 100
 66 35.6 25.3 37.9



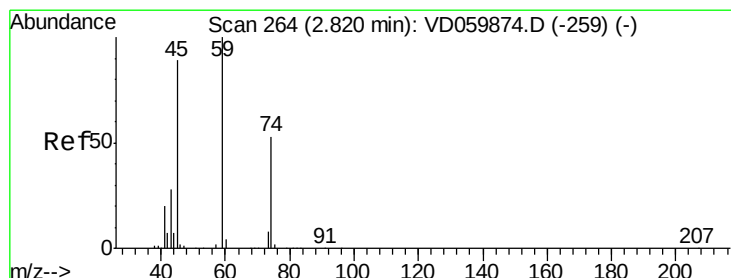
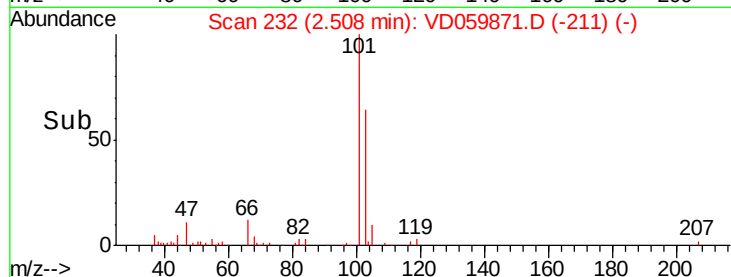
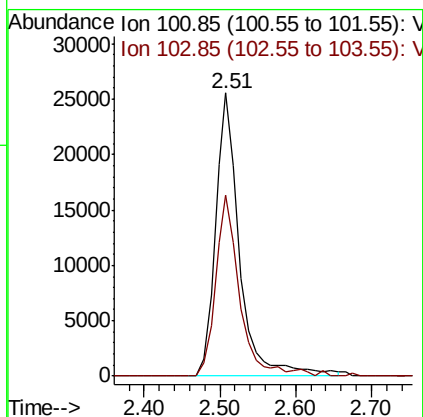
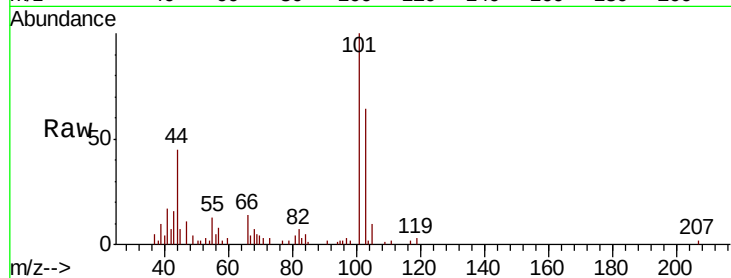


#7

Trichlorofluoromethane
 Concen: 5.664 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

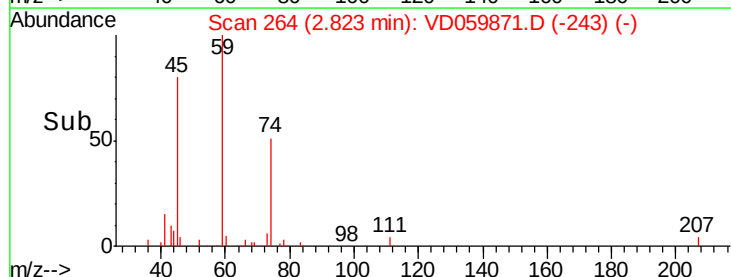
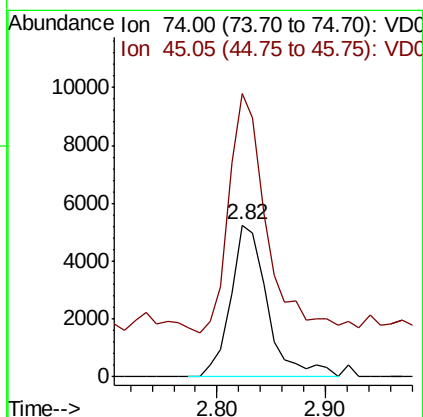
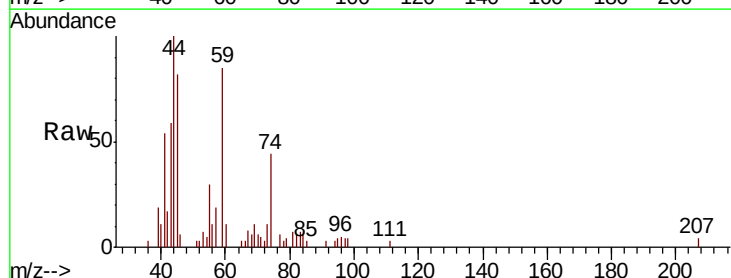
Tgt Ion: 101 Resp: 56402
 Ion Ratio Lower Upper
 101 100
 103 64.0 53.7 80.5

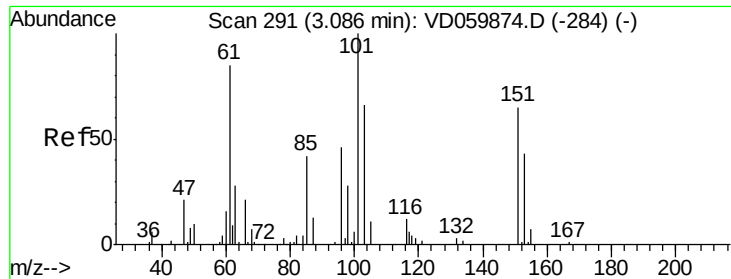


#8

Diethyl Ether
 Concen: 5.542 ug/l
 RT: 2.82 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 74 Resp: 12380
 Ion Ratio Lower Upper
 74 100
 45 186.4 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.507 ug/l

RT: 3.09 min Scan# 291

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

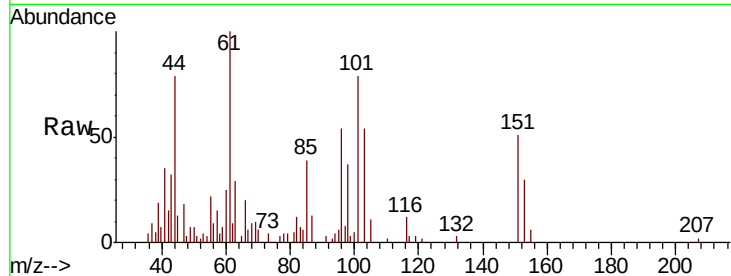
Tgt Ion:101 Resp: 33580

Ion Ratio Lower Upper

101 100

85 49.5 33.6 50.4

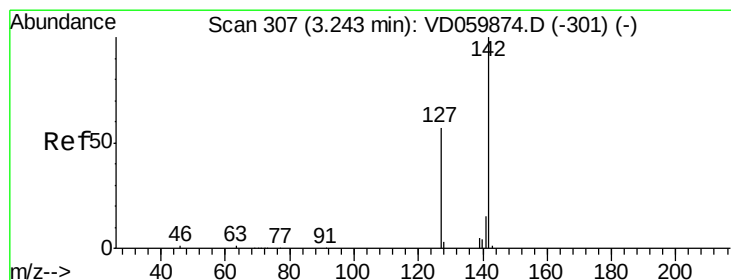
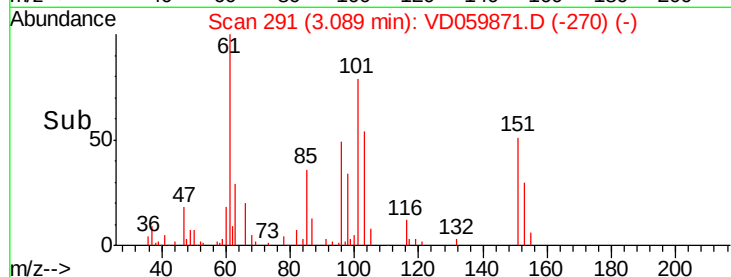
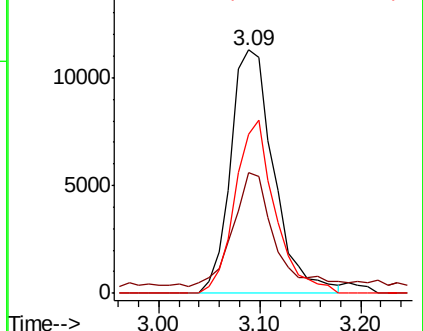
151 65.3 52.0 78.0



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: 6.624 ug/l

RT: 3.25 min Scan# 307

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

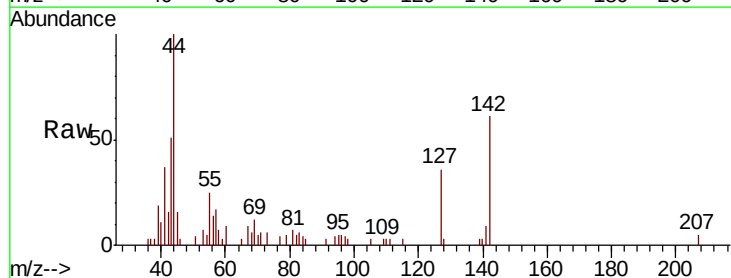
Tgt Ion:142 Resp: 22044

Ion Ratio Lower Upper

142 100

127 59.9 45.8 68.6

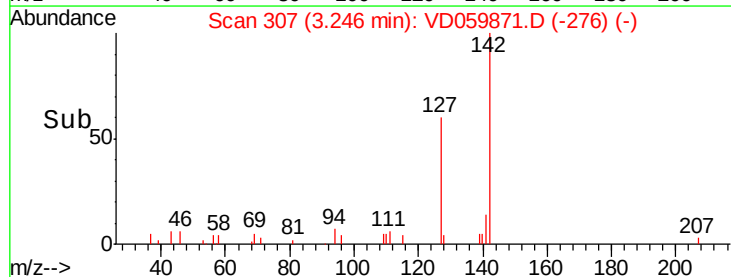
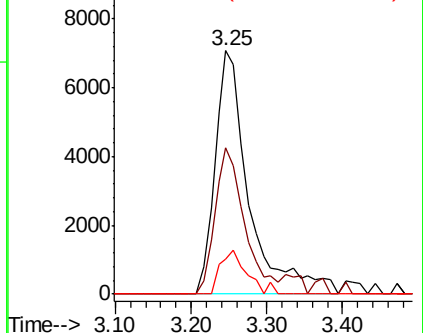
141 14.2 11.6 17.4

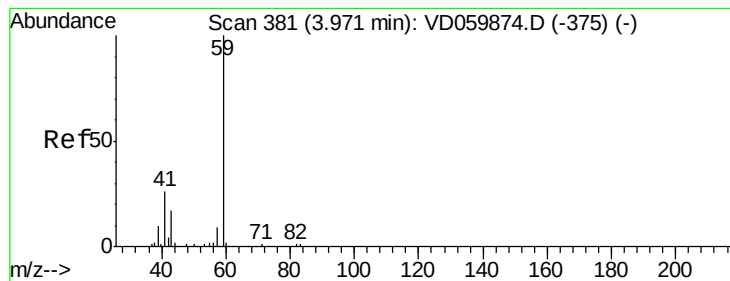


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



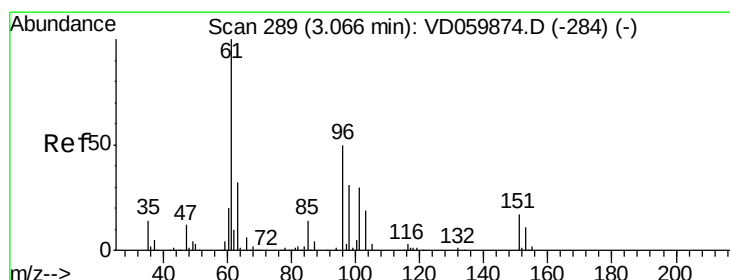
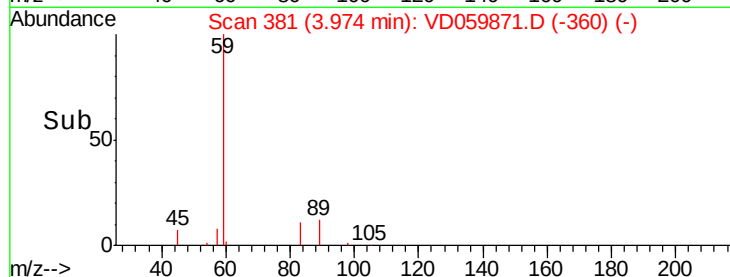
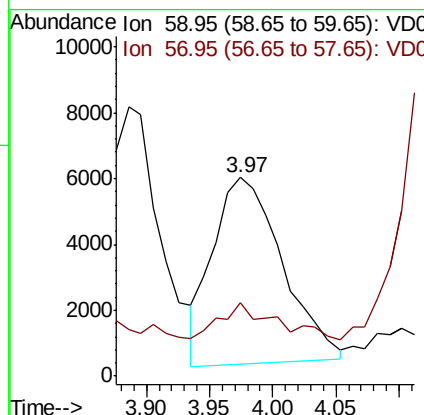
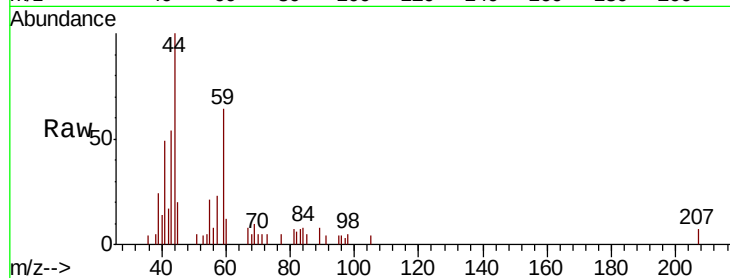


#11

Tert butyl alcohol
 Concen: 24.798 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

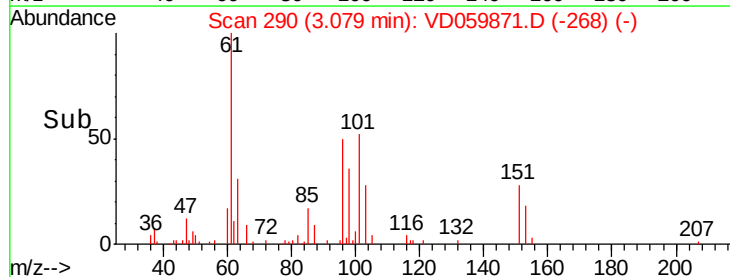
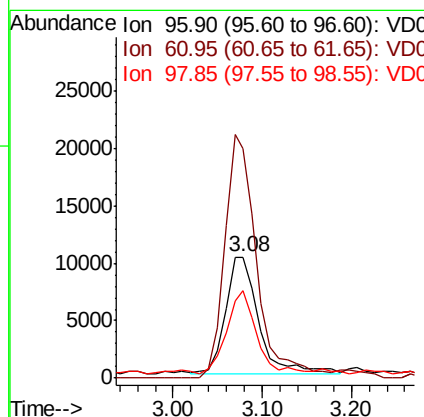
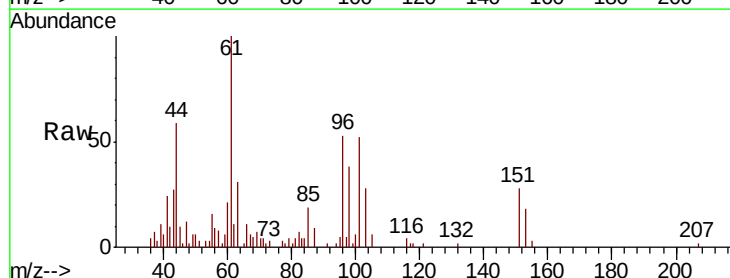
Tgt Ion: 59 Resp: 21618
 Ion Ratio Lower Upper
 59 100
 57 36.7 7.4 11.0#

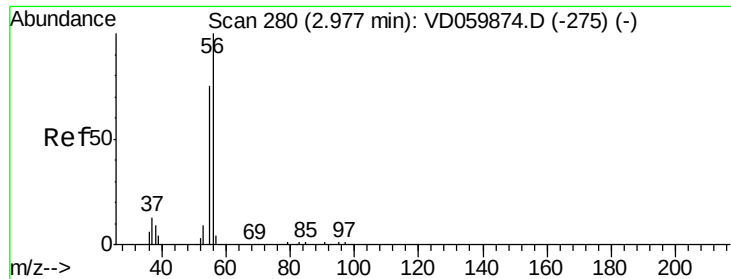


#12

1,1-Dichloroethene
 Concen: 5.584 ug/l
 RT: 3.08 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 96 Resp: 26509
 Ion Ratio Lower Upper
 96 100
 61 189.7 158.8 238.2
 98 71.7 48.7 73.1





#13

Acrolein

Concen: 26.527 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

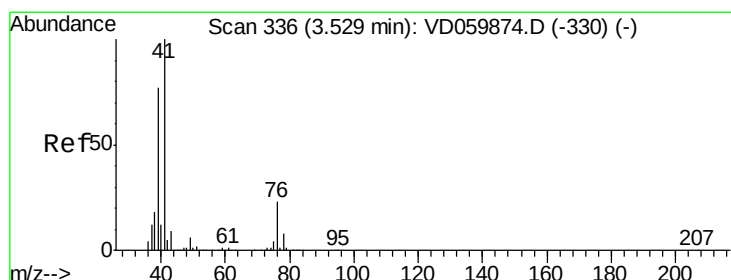
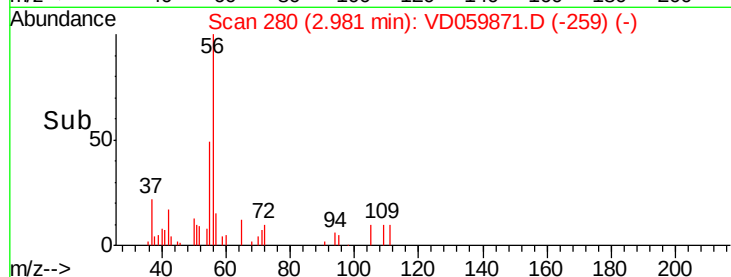
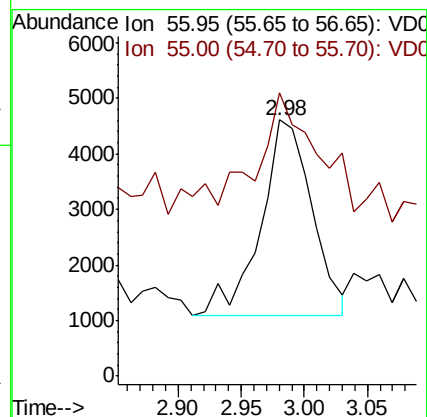
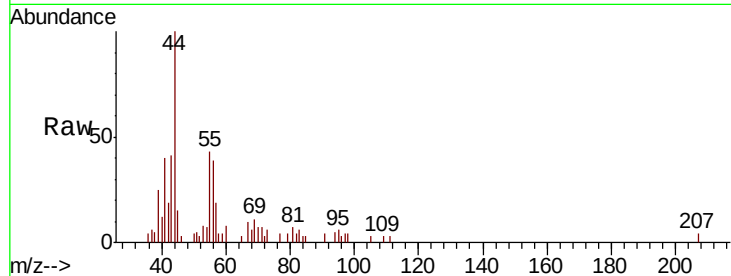
VSTDIC005

Tgt Ion: 56 Resp: 10030

Ion Ratio Lower Upper

56 100

55 110.4 61.9 92.9#



#14

Allyl chloride

Concen: 5.246 ug/l

RT: 3.54 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

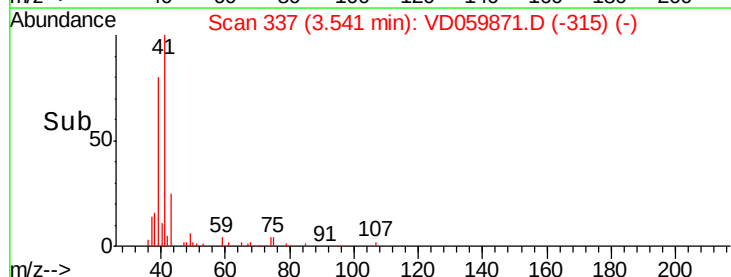
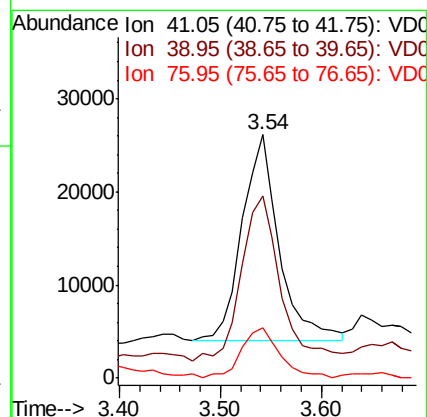
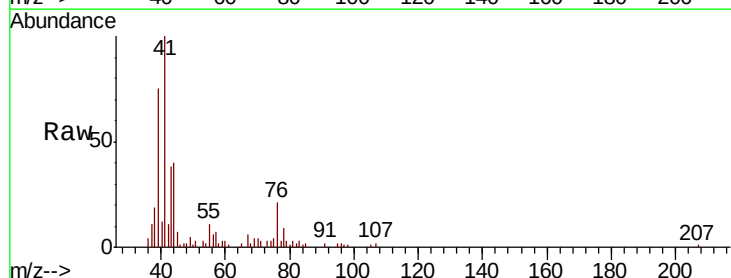
Tgt Ion: 41 Resp: 56342

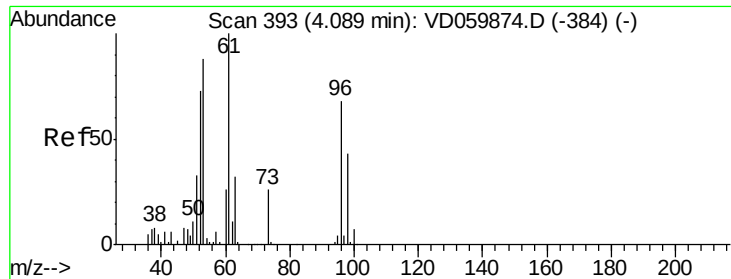
Ion Ratio Lower Upper

41 100

39 74.7 61.8 92.6

76 20.6 19.4 29.2





#15

Acrylonitrile

Concen: 24.447 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

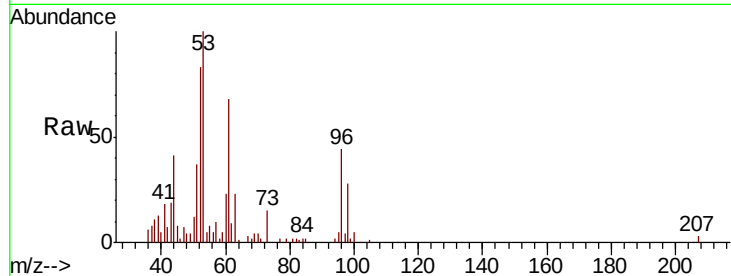
Tgt Ion: 53 Resp: 79808

Ion Ratio Lower Upper

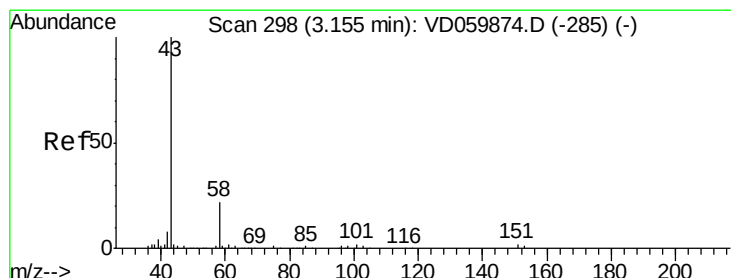
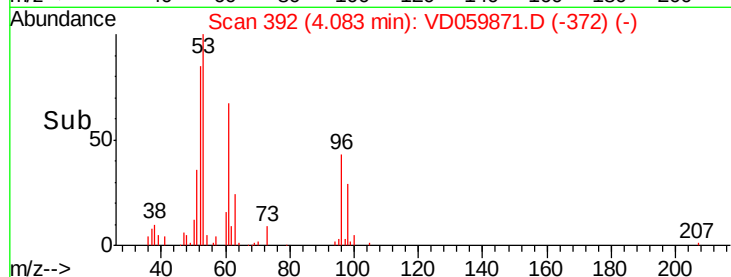
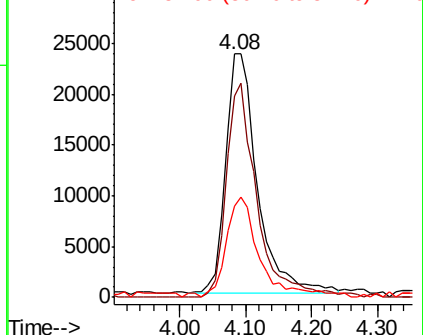
53 100

52 82.6 66.9 100.3

51 37.5 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: 23.361 ug/l

RT: 3.16 min Scan# 298

Delta R.T. 0.00 min

Lab File: VD059871.D

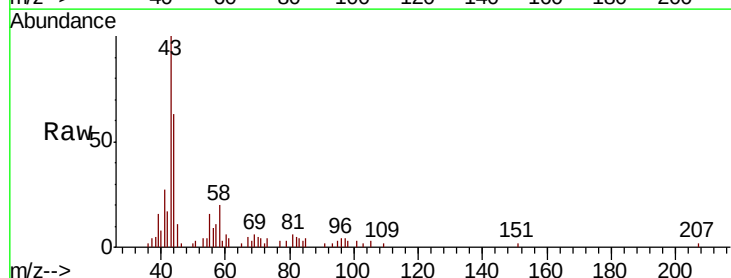
Acq: 22 Aug 2018 12:15

Tgt Ion: 43 Resp: 48626

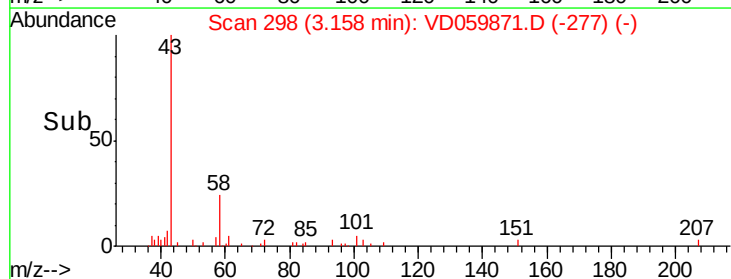
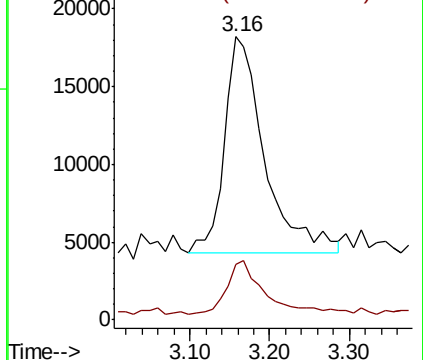
Ion Ratio Lower Upper

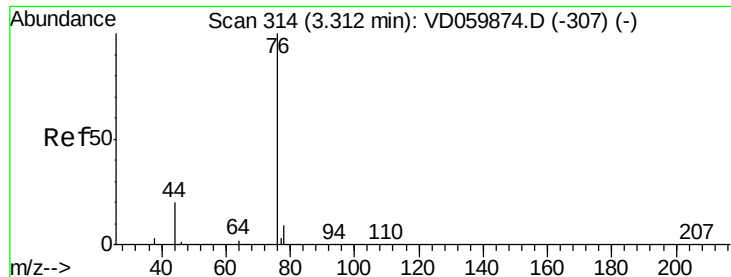
43 100

58 19.7 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: 5.769 ug/l

RT: 3.32 min Scan# 314

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

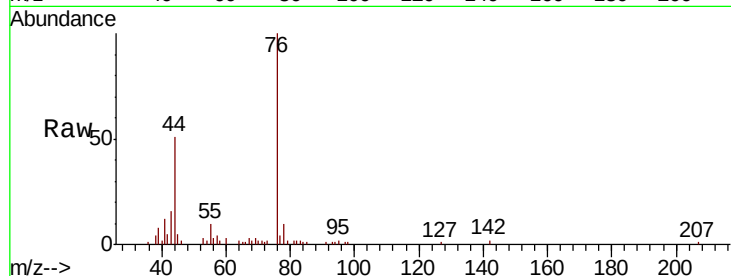
VSTDIC005

Tgt Ion: 76 Resp: 85017

Ion Ratio Lower Upper

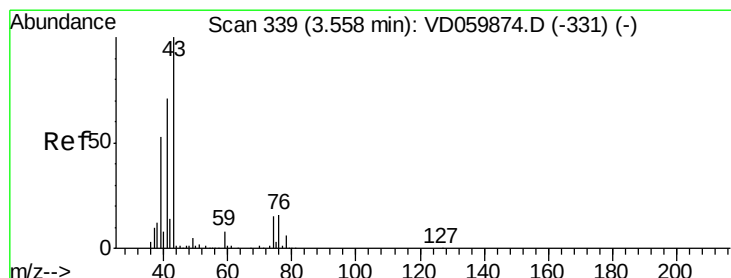
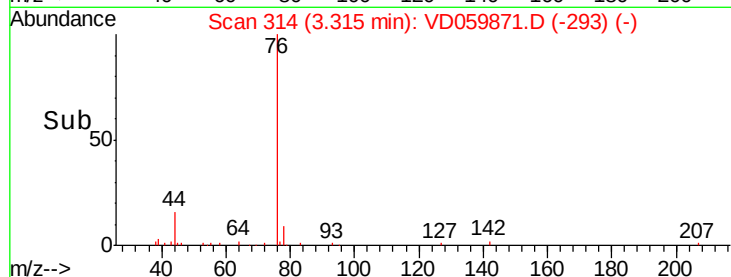
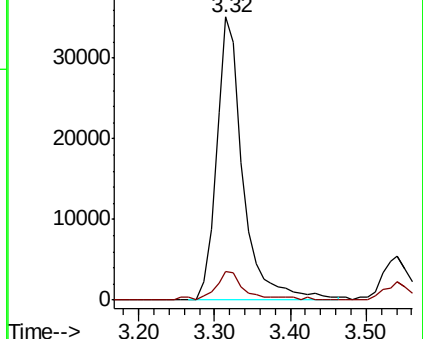
76 100

78 10.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 6.258 ug/l

RT: 3.56 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD059871.D

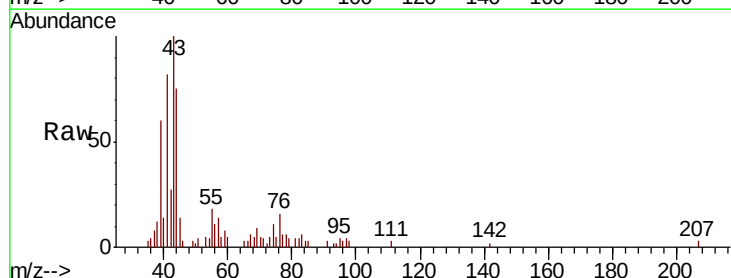
Acq: 22 Aug 2018 12:15

Tgt Ion: 43 Resp: 27193

Ion Ratio Lower Upper

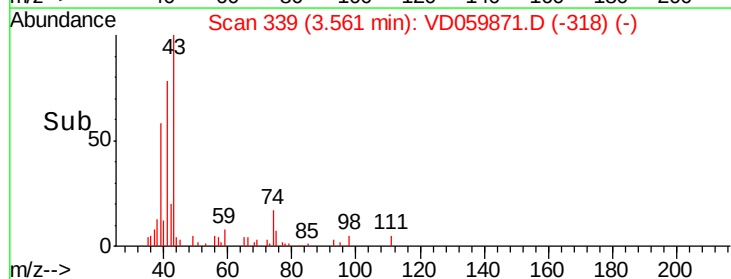
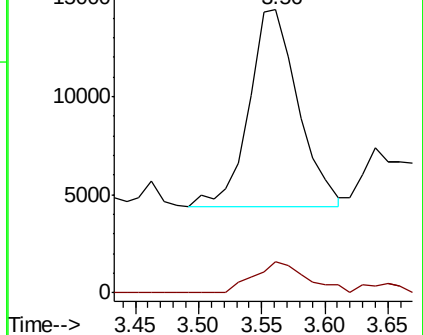
43 100

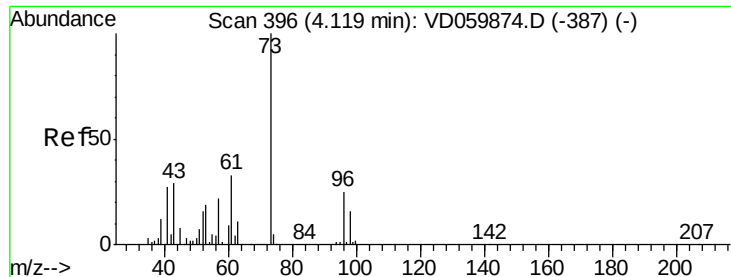
74 11.2 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

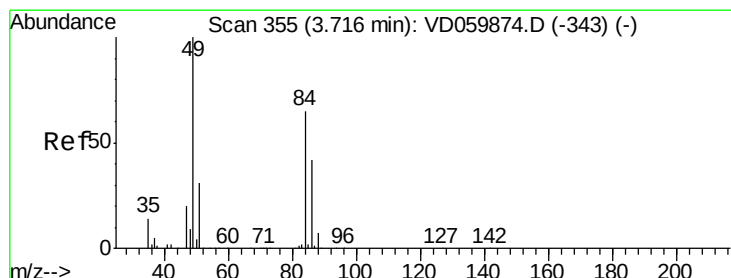
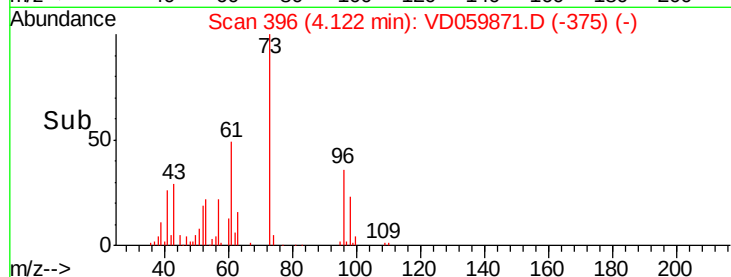
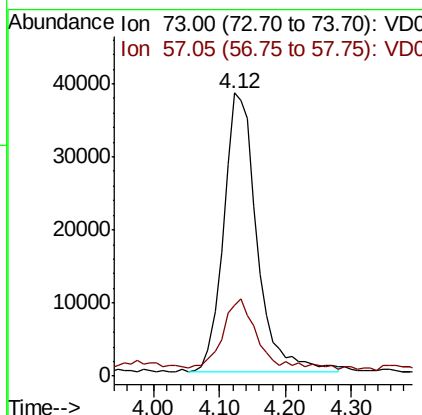
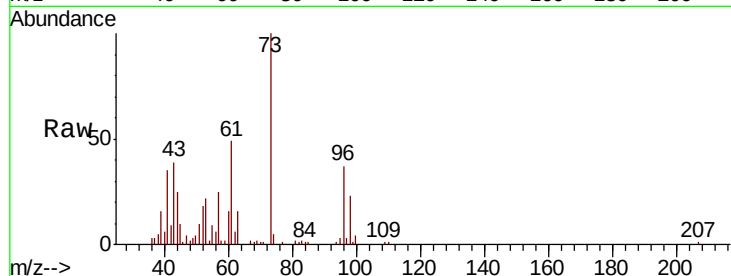




#19
Methyl tert-butyl Ether
Concen: 5.035 ug/l
RT: 4.12 min Scan# 396
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

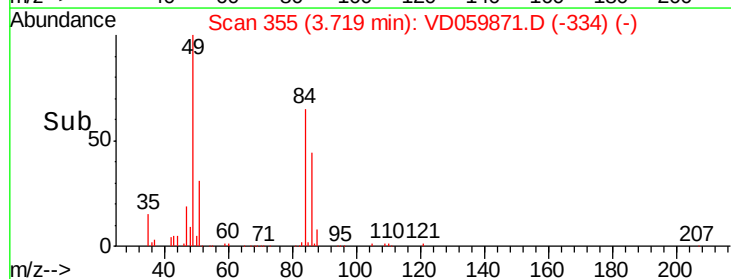
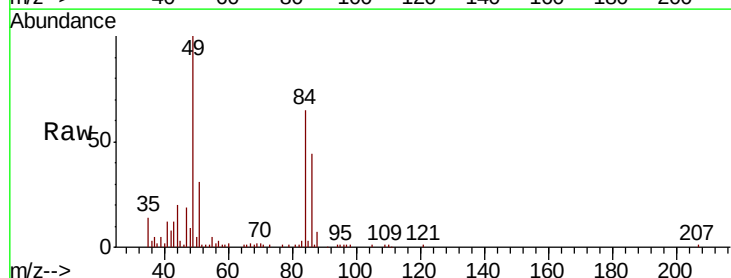
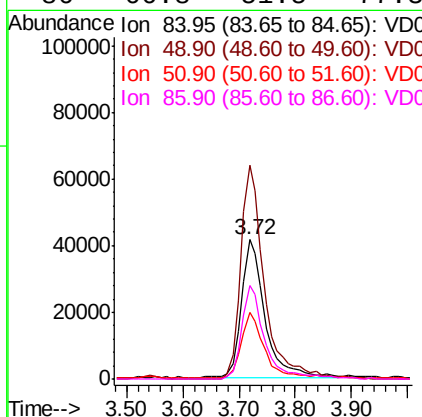
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

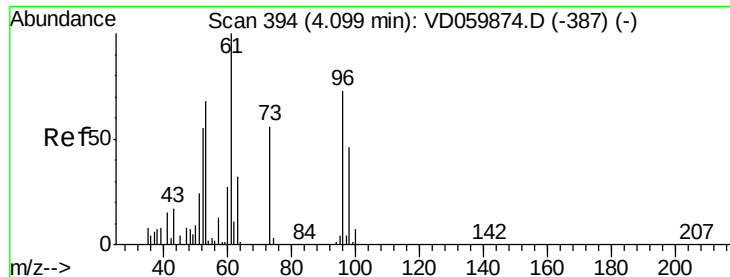
Tgt Ion: 73 Resp: 135209
Ion Ratio Lower Upper
73 100
57 25.1 17.9 26.9



#20
Methylene Chloride
Concen: 5.348 ug/l
RT: 3.72 min Scan# 355
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 84 Resp: 120475
Ion Ratio Lower Upper
84 100
49 153.3 122.6 183.8
51 48.0 38.4 57.6
86 66.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 5.558 ug/l

RT: 4.10 min Scan# 394

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

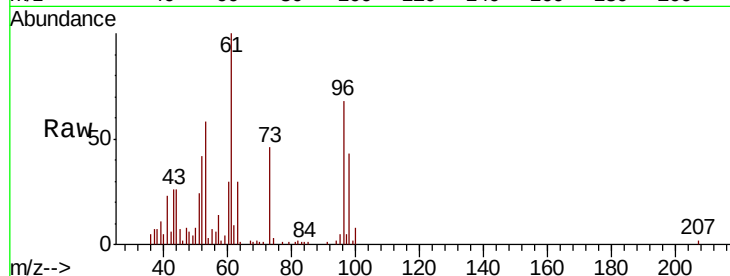
Tgt Ion: 96 Resp: 72702

Ion Ratio Lower Upper

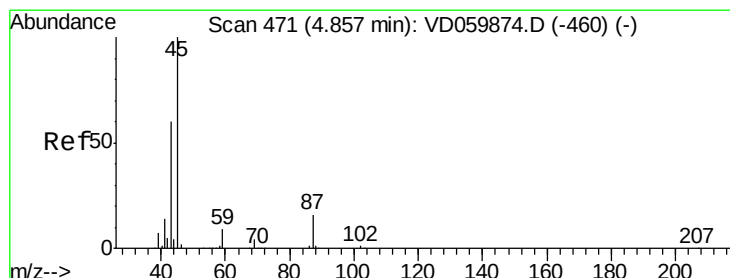
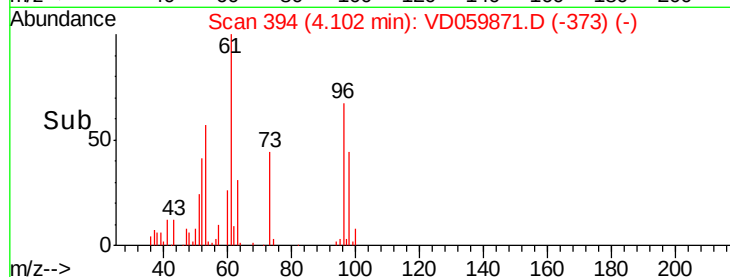
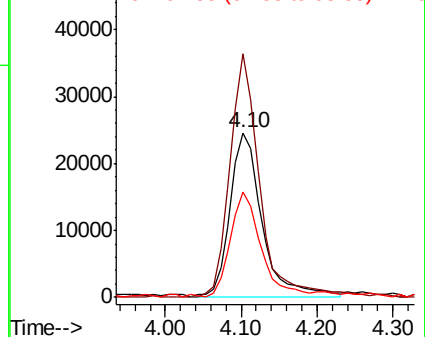
96 100

61 147.7 110.2 165.4

98 63.8 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: 5.152 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion: 45 Resp: 282183

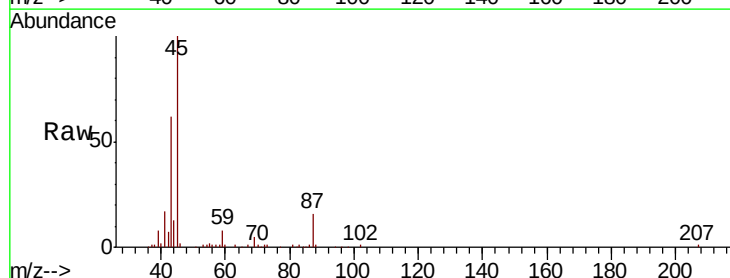
Ion Ratio Lower Upper

45 100

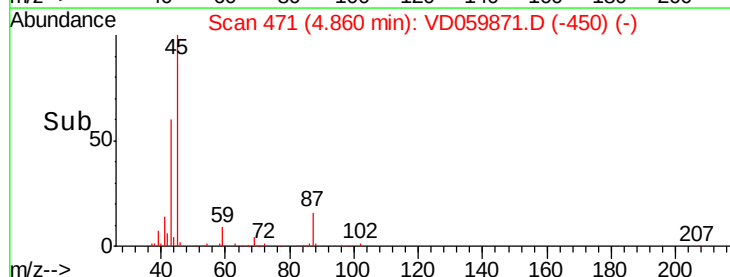
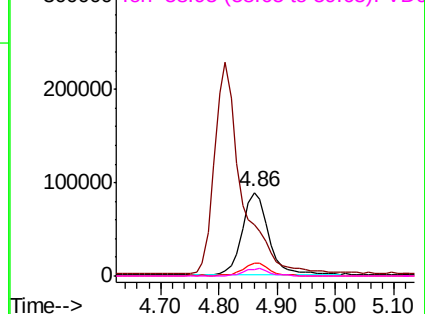
43 62.2 48.6 72.8

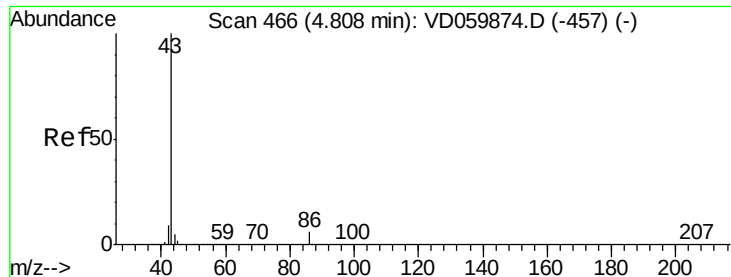
87 15.8 13.3 19.9

59 8.4 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

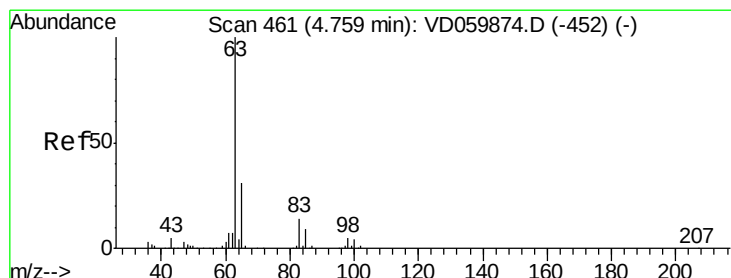
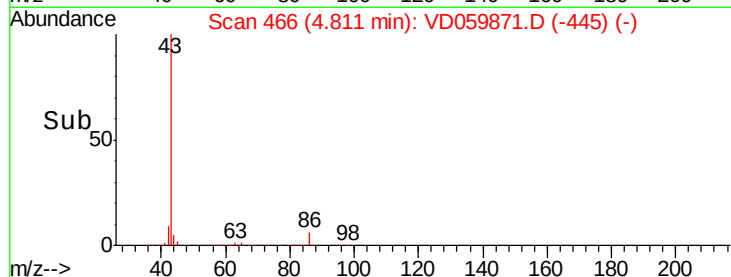
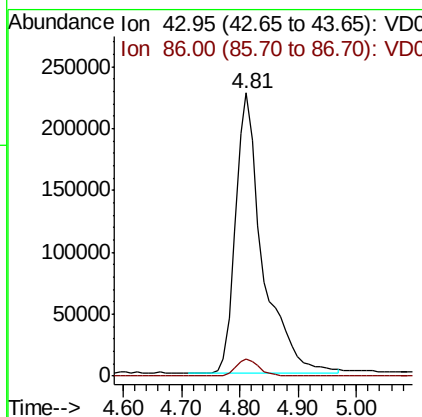
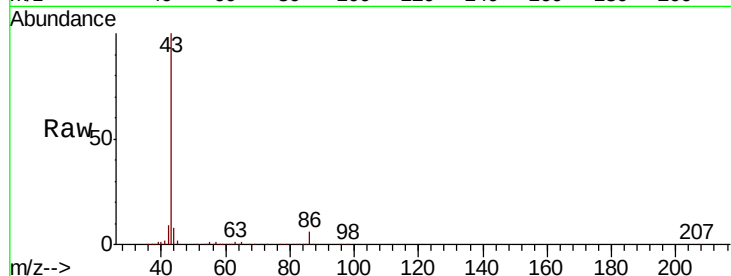




#23
 Vinyl Acetate
 Concen: 23.754 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

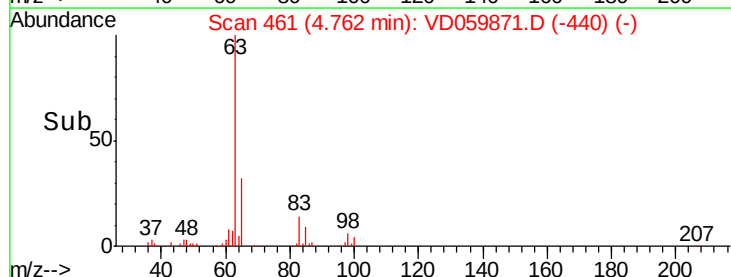
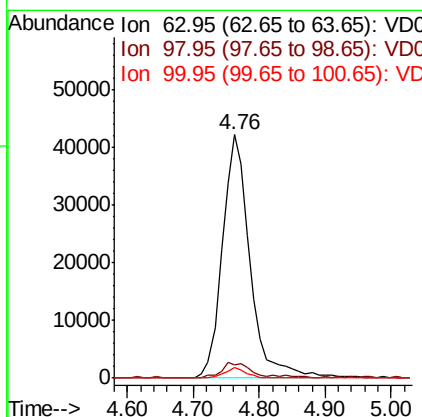
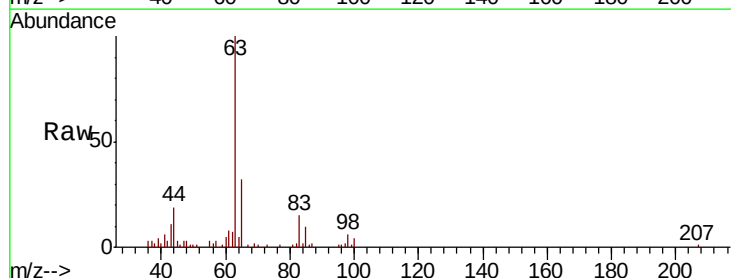
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

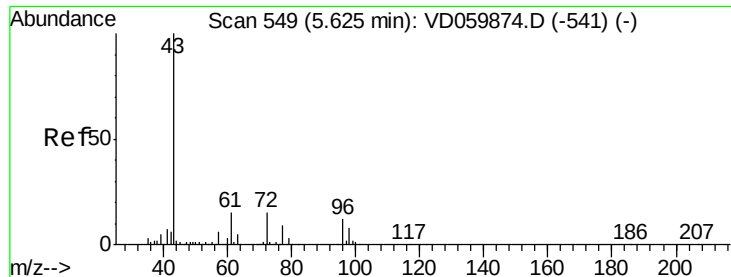
Tgt Ion: 43 Resp: 727313
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 5.235 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 63 Resp: 123866
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.7 8.1
 100 4.1 1.8 5.3





#25

2-Butanone

Concen: 22.887 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

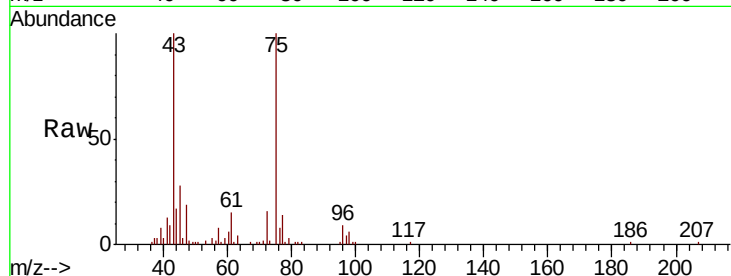
VSTDIC005

Tgt Ion: 43 Resp: 141099

Ion Ratio Lower Upper

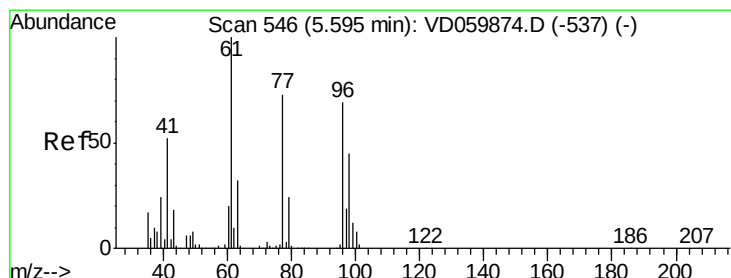
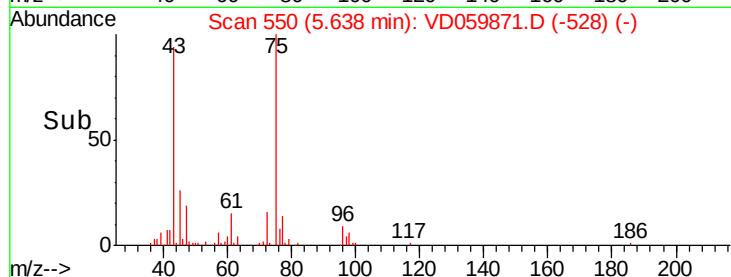
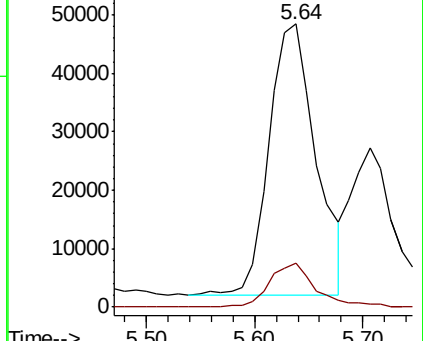
43 100

72 15.7 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 6.186 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059871.D

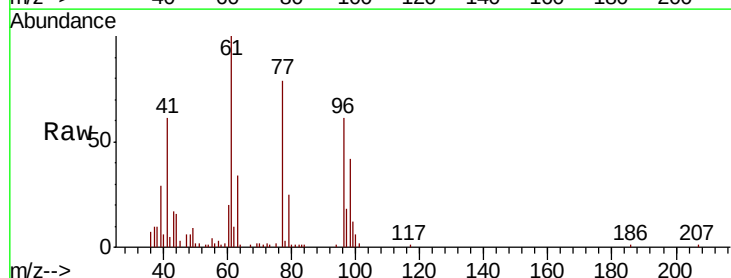
Acq: 22 Aug 2018 12:15

Tgt Ion: 77 Resp: 122369

Ion Ratio Lower Upper

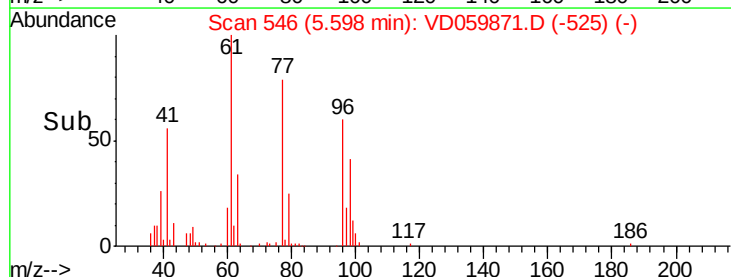
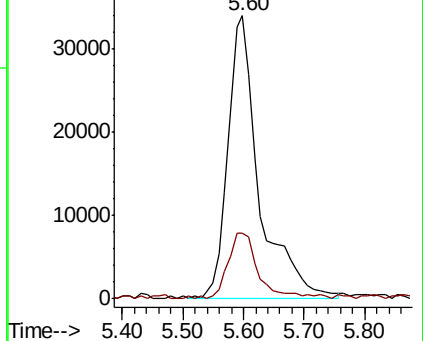
77 100

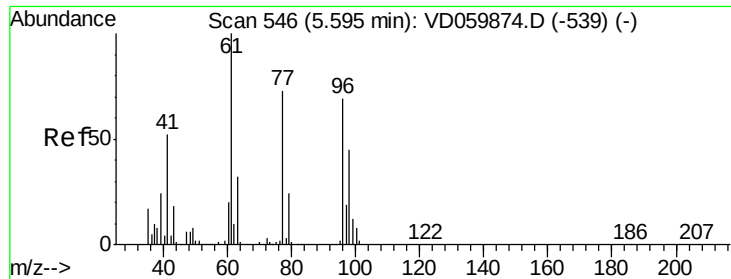
97 23.1 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



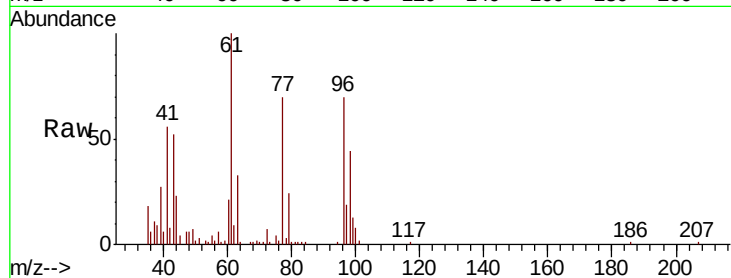


#27

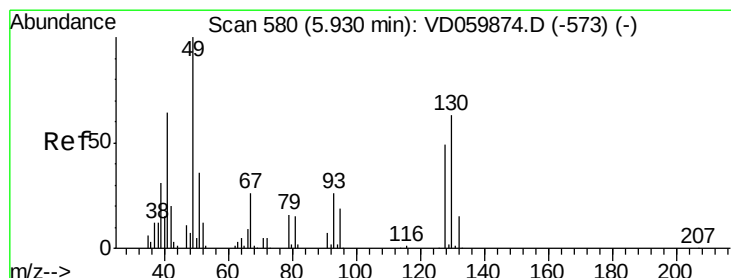
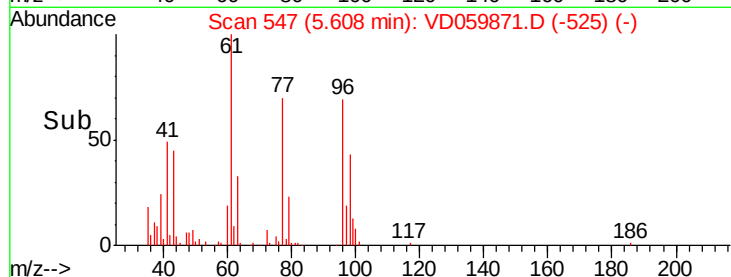
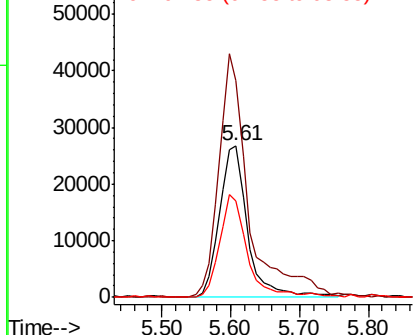
cis-1,2-Dichloroethene
 Concen: 5.321 ug/l
 RT: 5.61 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 76208
 Ion Ratio Lower Upper
 96 100
 61 142.9 0.0 290.2
 98 63.3 0.0 130.4



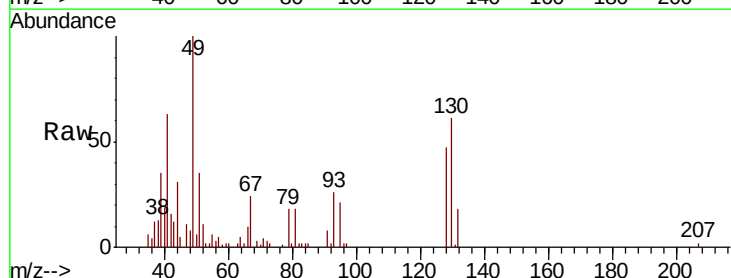
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



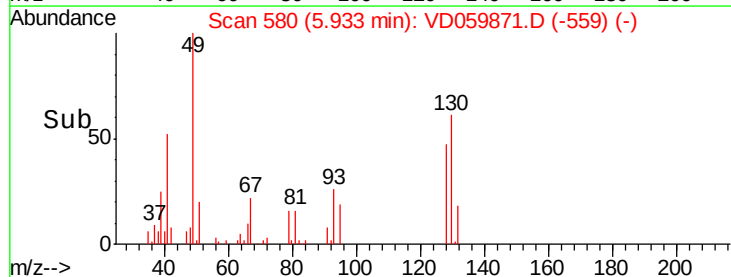
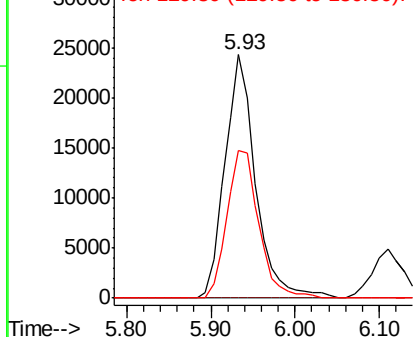
#28

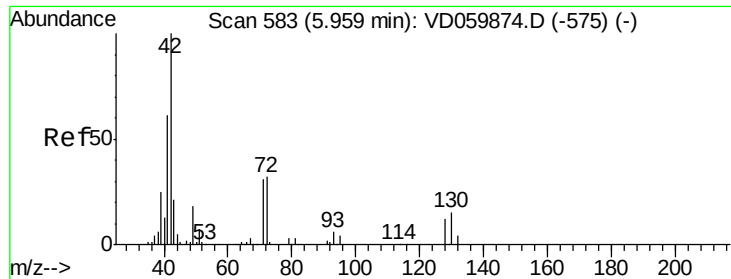
Bromochloromethane
 Concen: 5.412 ug/l
 RT: 5.93 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 49 Resp: 61381
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.2
 130 60.7 50.6 75.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

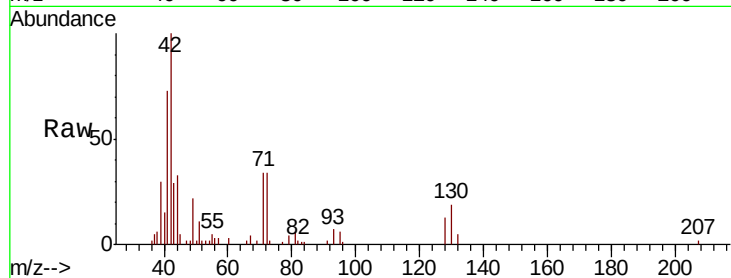




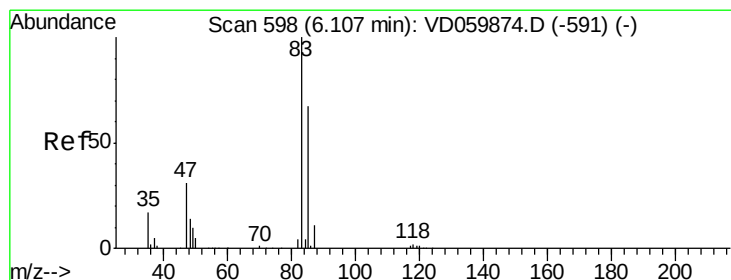
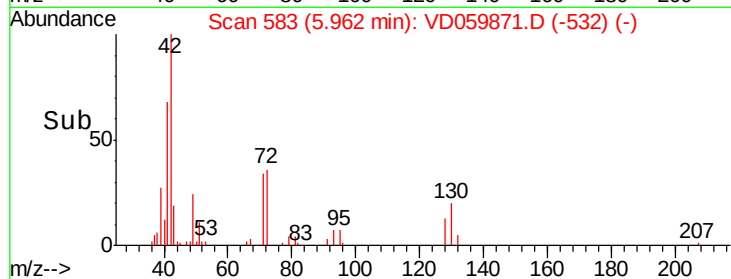
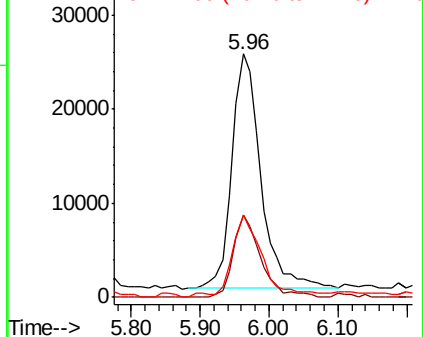
#29
Tetrahydrofuran
Concen: 24.578 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 72136
Ion Ratio Lower Upper
42 100
72 33.3 25.7 38.5
71 38.0 25.3 37.9#

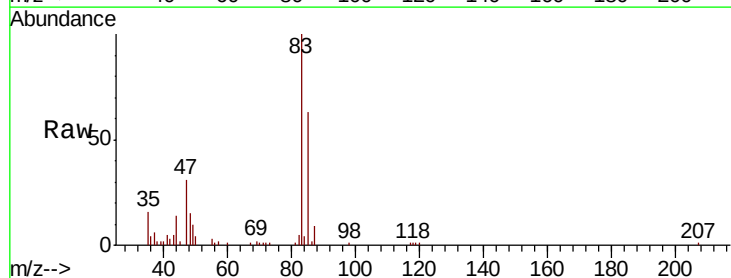


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

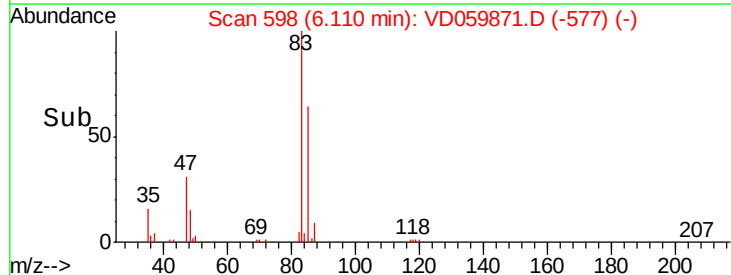
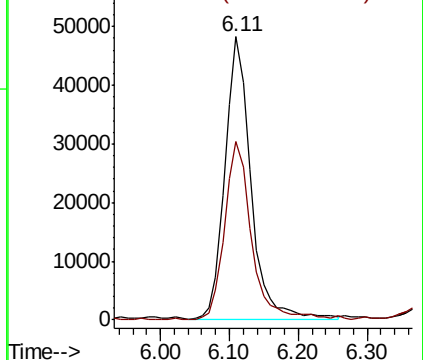


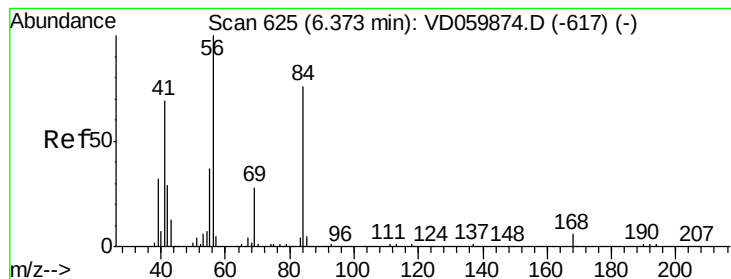
#30
Chloroform
Concen: 5.286 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 83 Resp: 127109
Ion Ratio Lower Upper
83 100
85 63.3 53.5 80.3



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





#31

Cyclohexane

Concen: 6.126 ug/l

RT: 6.38 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

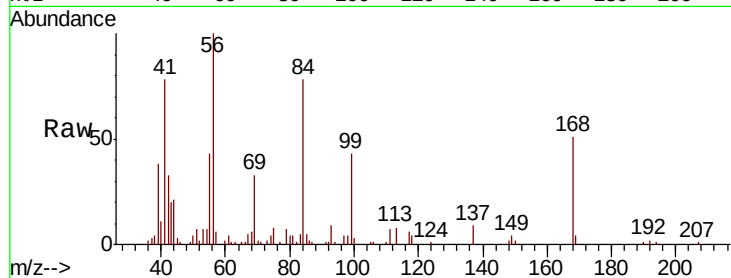
Tgt Ion: 56 Resp: 133257

Ion Ratio Lower Upper

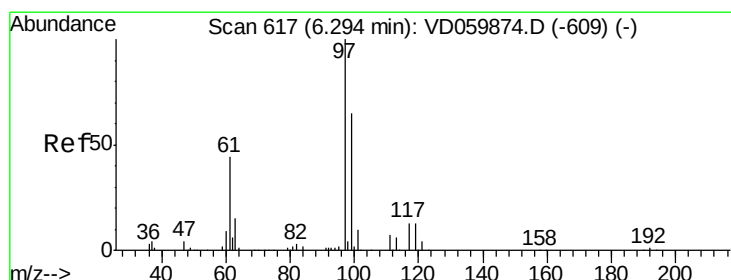
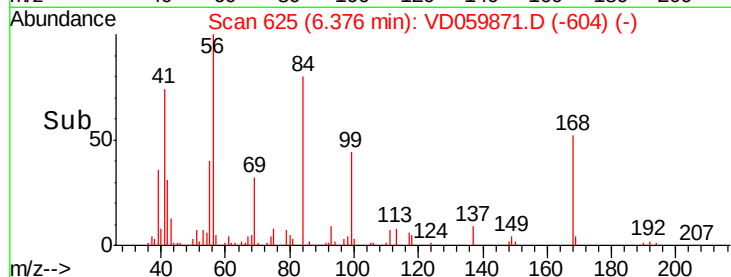
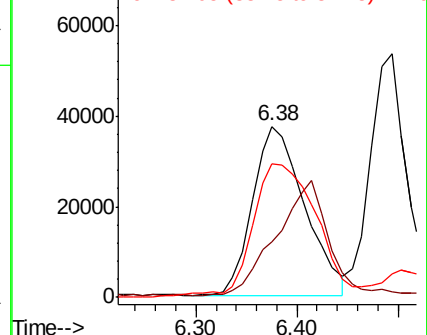
56 100

69 32.7 22.4 33.6

84 78.3 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: 5.336 ug/l

RT: 6.30 min Scan# 617

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

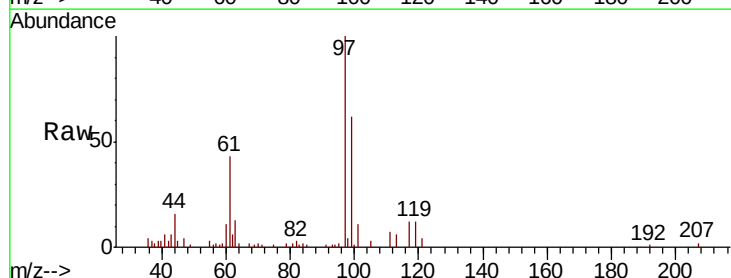
Tgt Ion: 97 Resp: 108900

Ion Ratio Lower Upper

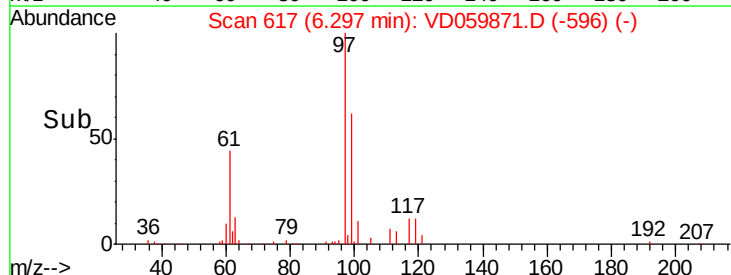
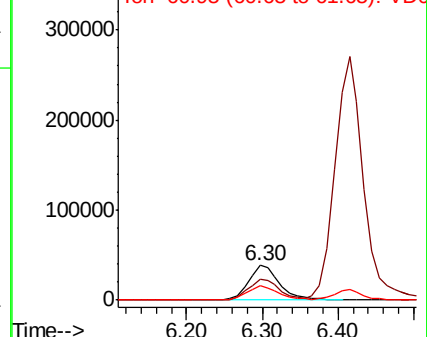
97 100

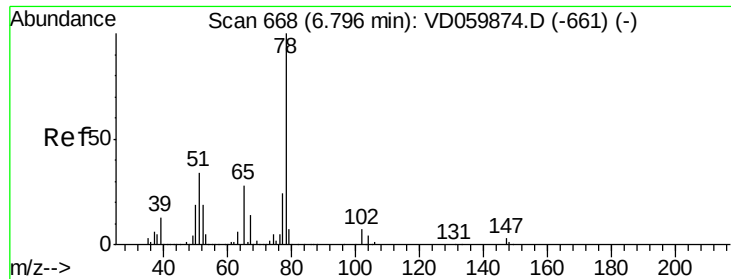
99 61.6 51.7 77.5

61 43.3 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

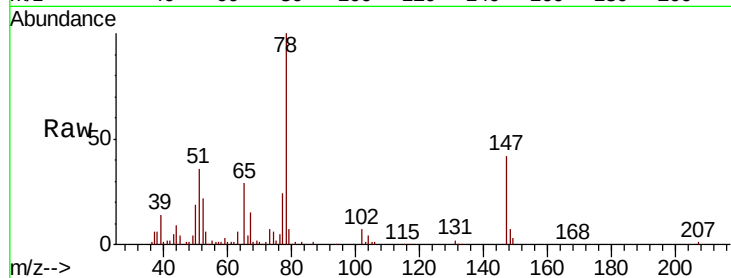




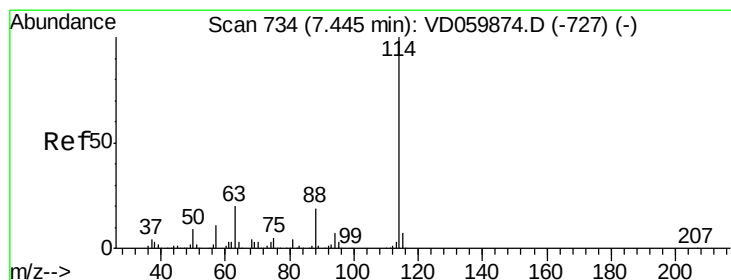
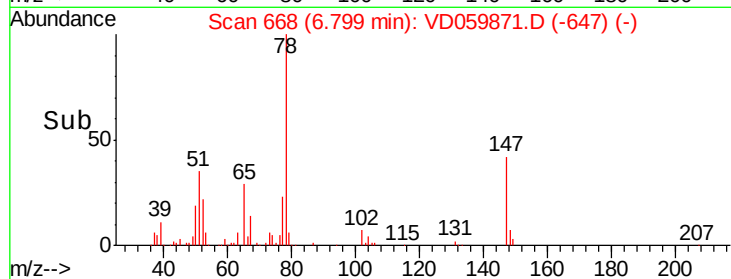
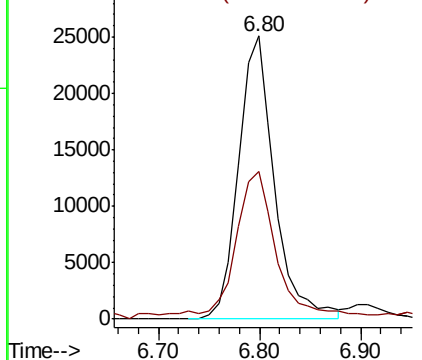
#33
 1,2-Dichloroethane-d4
 Concen: 5.336 ug/l
 RT: 6.80 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 62101
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.8

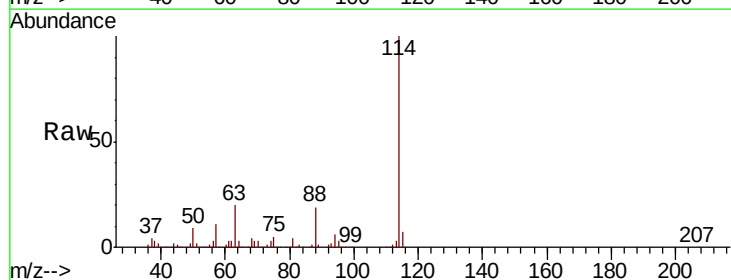


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

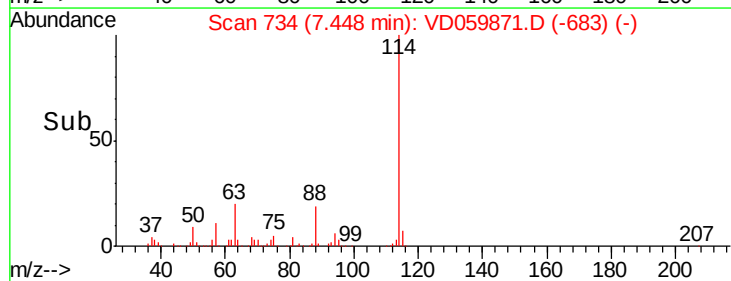
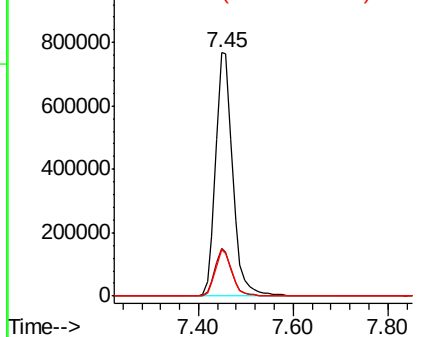


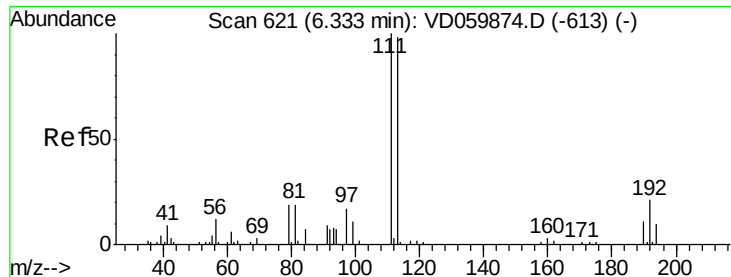
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 114 Resp: 1929237
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 19.0 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

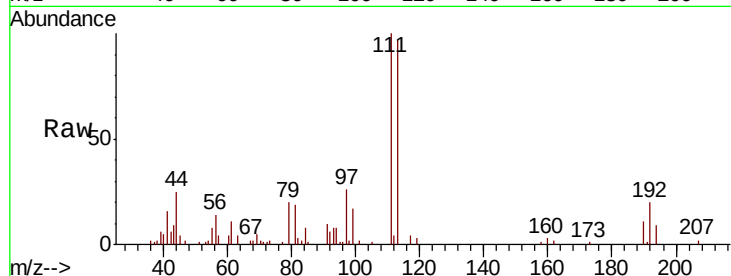




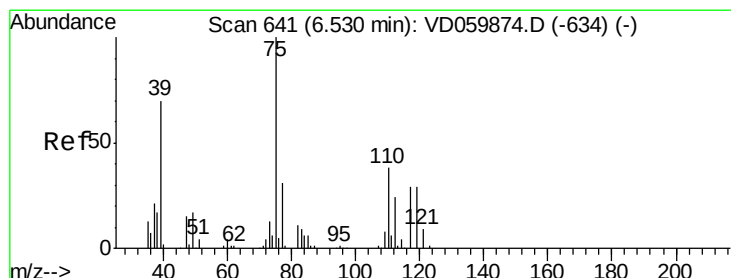
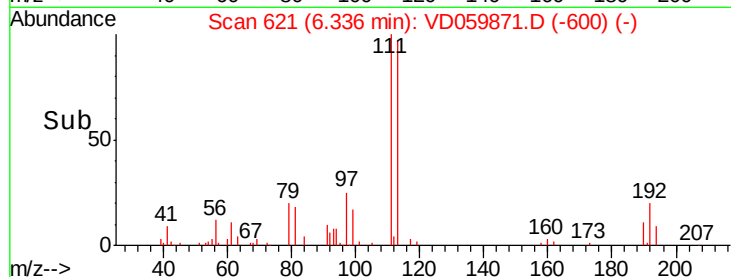
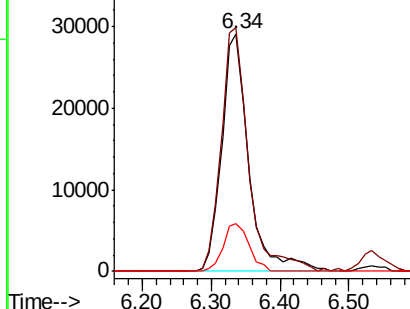
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 78958
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.2
 192 20.1 17.0 25.6

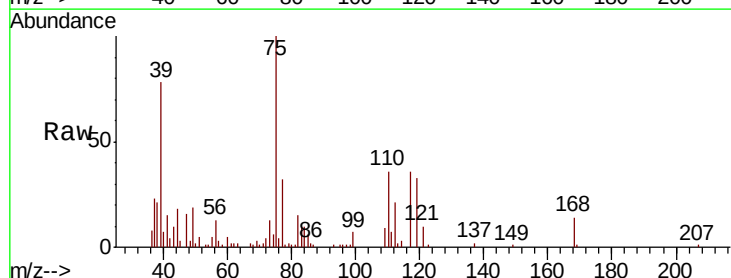


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

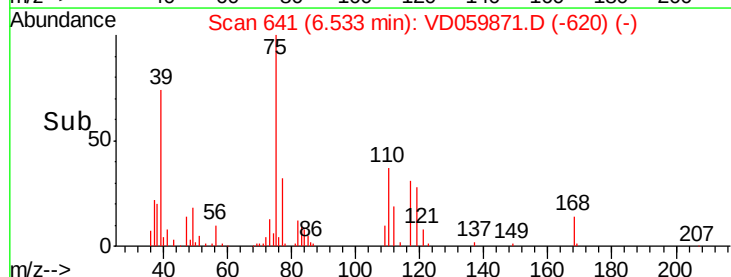
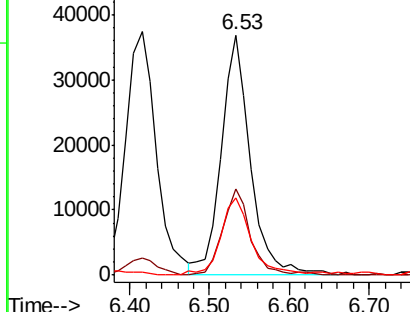


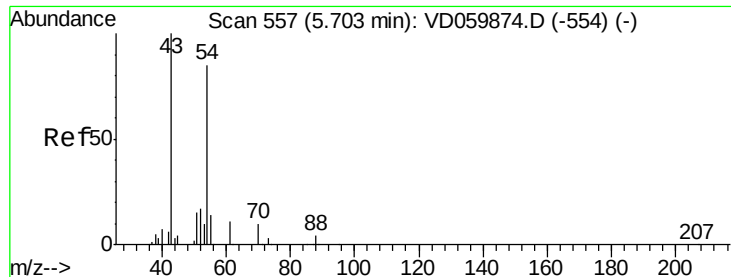
#36
 1,1-Dichloropropene
 Concen: 5.429 ug/l
 RT: 6.53 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 75 Resp: 94949
 Ion Ratio Lower Upper
 75 100
 110 36.1 18.6 56.0
 77 32.0 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

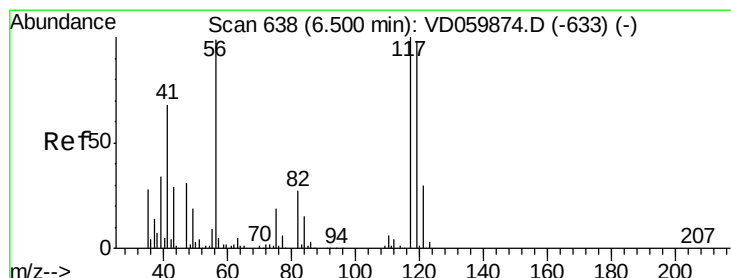
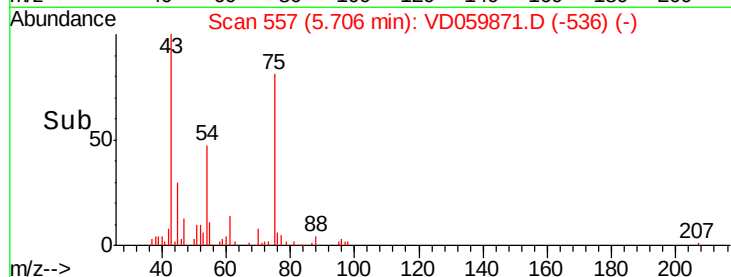
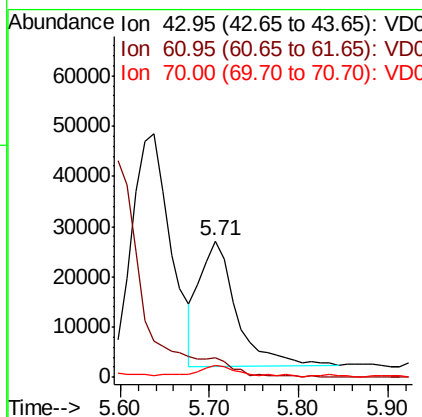
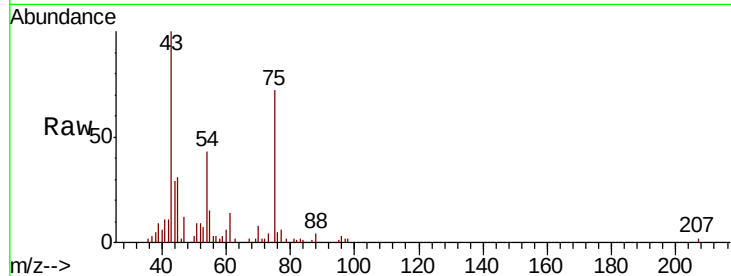




#37
Ethyl Acetate
Concen: 5.255 ug/l
RT: 5.71 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

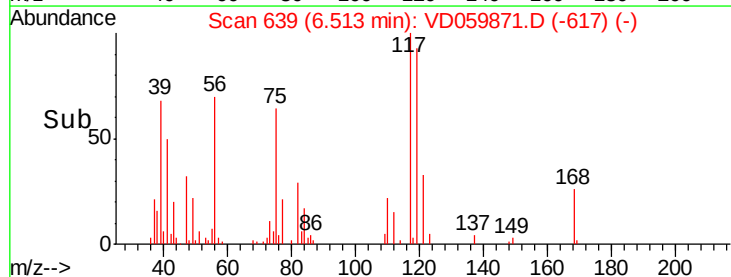
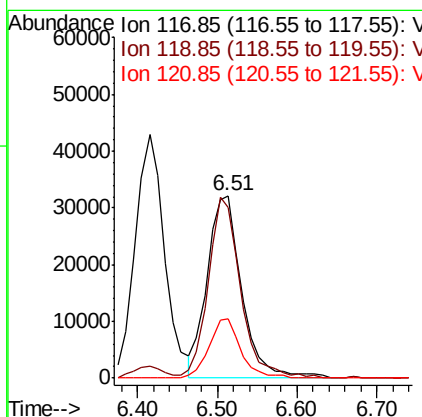
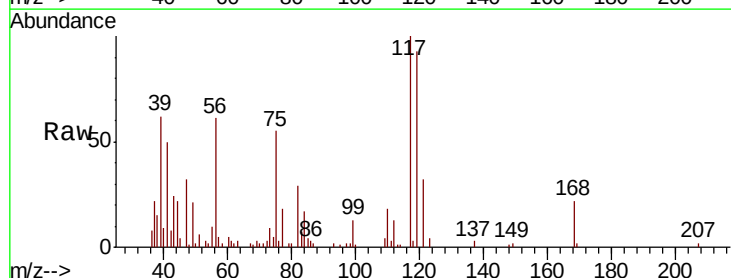
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

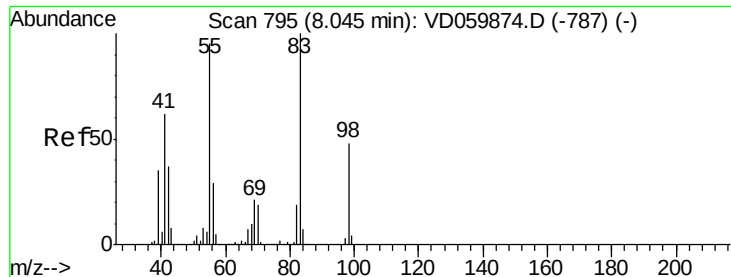
Tgt Ion: 43 Resp: 71510
Ion Ratio Lower Upper
43 100
61 13.9 11.0 16.6
70 8.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 5.539 ug/l
RT: 6.51 min Scan# 639
Delta R.T. 0.01 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 117 Resp: 97763
Ion Ratio Lower Upper
117 100
119 93.3 77.2 115.8
121 32.4 24.0 36.0

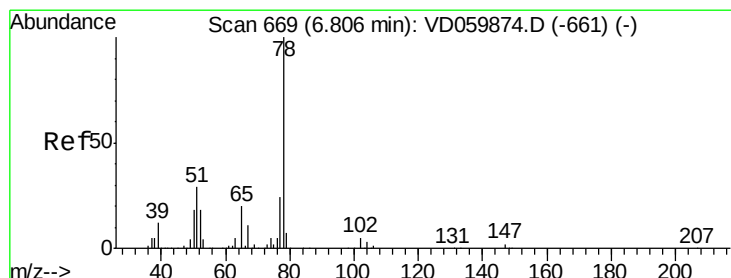
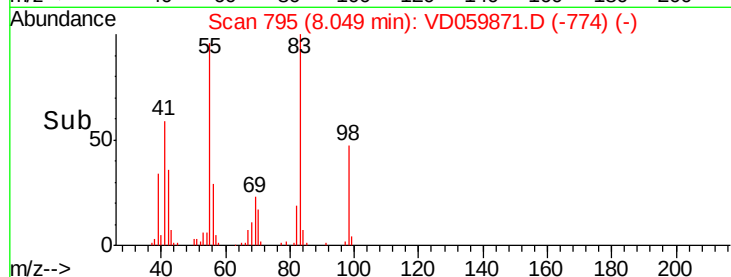
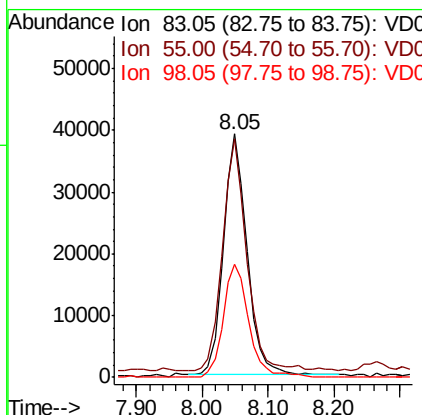
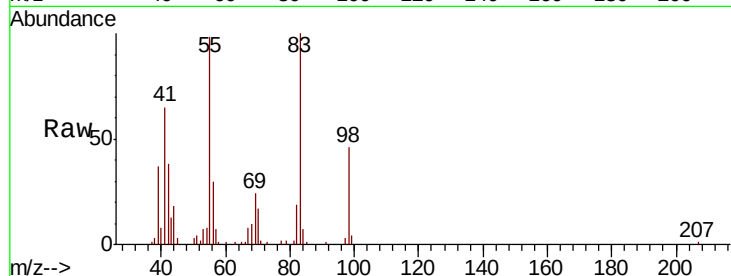




#39
Methylcyclohexane
Concen: 5.162 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

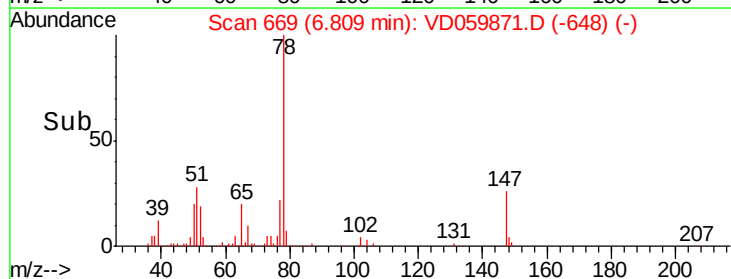
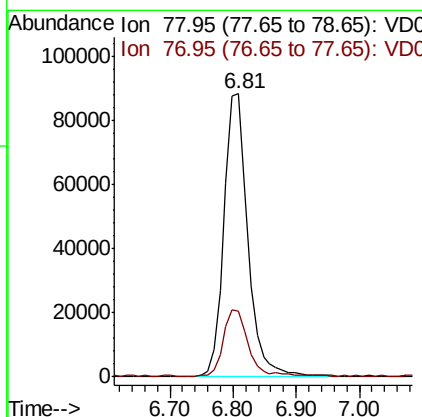
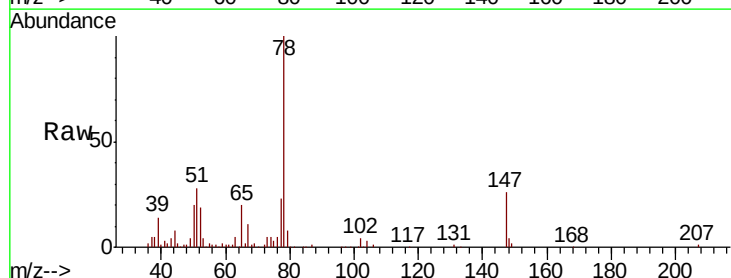
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

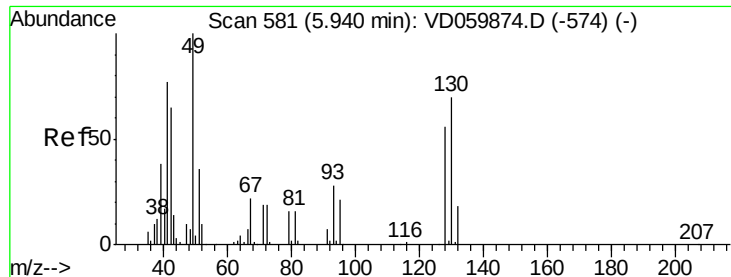
Tgt Ion: 83 Resp: 97542
Ion Ratio Lower Upper
83 100
55 98.0 75.8 113.6
98 46.3 38.3 57.5



#40
Benzene
Concen: 5.132 ug/l
RT: 6.81 min Scan# 669
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 78 Resp: 233356
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4





#41

Methacrylonitrile

Concen: 11.667 ug/l

RT: 5.96 min Scan# 583

Delta R.T. 0.02 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 79981

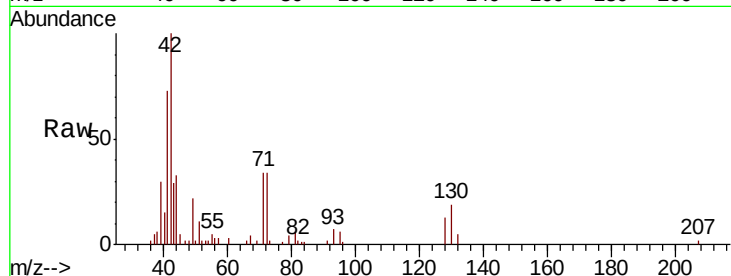
Ion Ratio Lower Upper

41 100

39 41.4 39.4 59.2

67 5.6 22.2 33.2#

52 2.6 10.1 15.1#

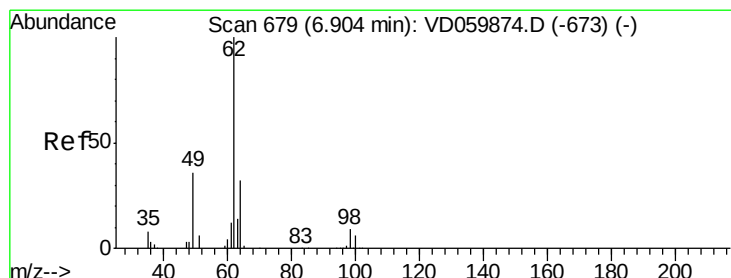
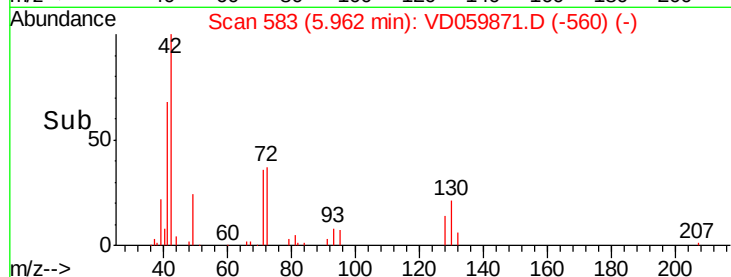
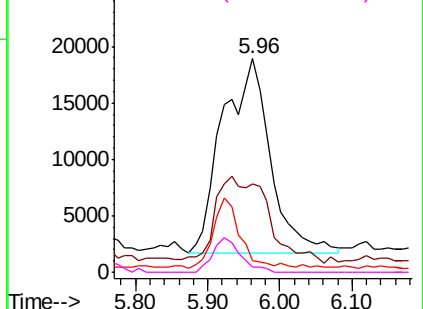


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 4.842 ug/l

RT: 6.91 min Scan# 679

Delta R.T. 0.00 min

Lab File: VD059871.D

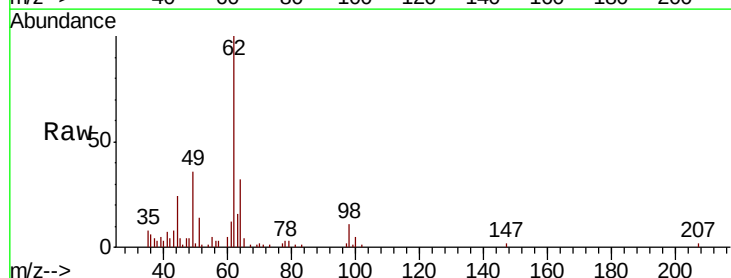
Acq: 22 Aug 2018 12:15

Tgt Ion: 62 Resp: 70683

Ion Ratio Lower Upper

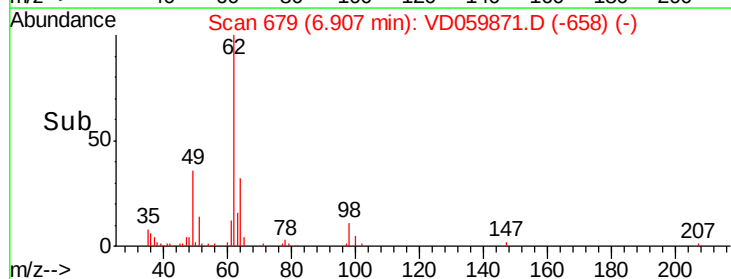
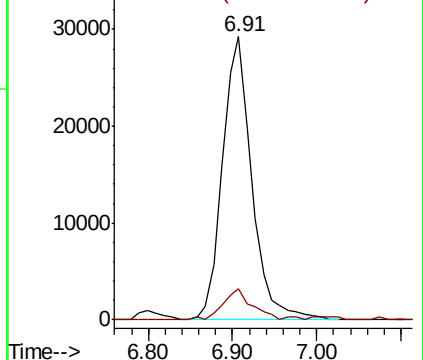
62 100

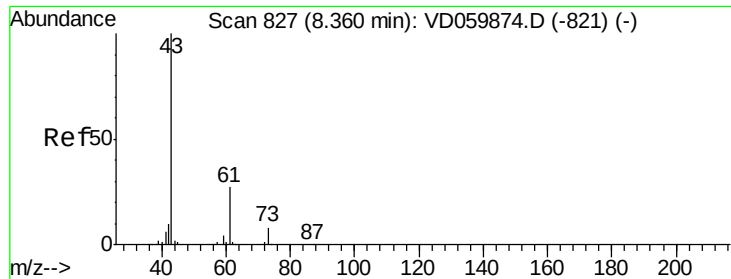
98 11.0 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.499 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

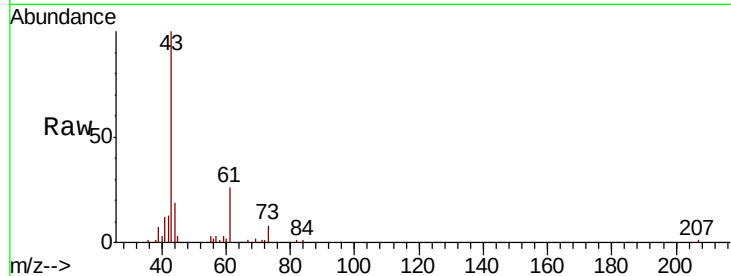
Tgt Ion: 43 Resp: 79655

Ion Ratio Lower Upper

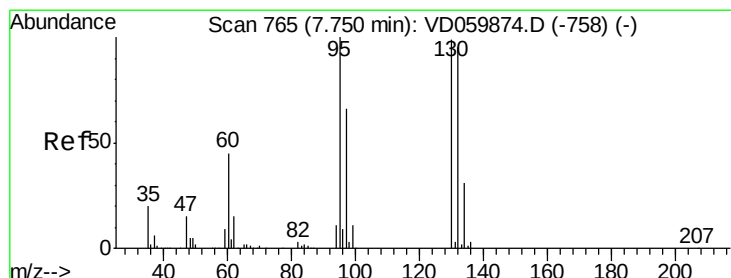
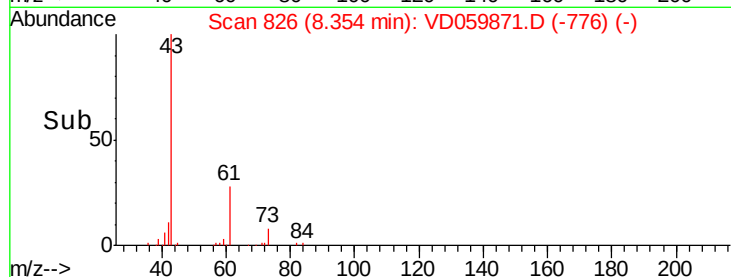
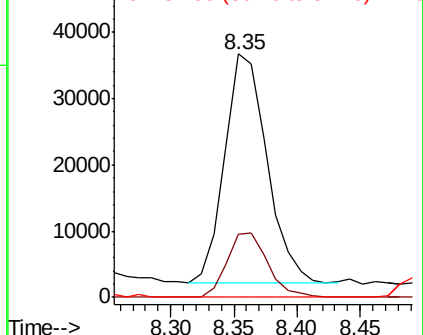
43 100

61 26.2 21.4 32.2

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 5.065 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD059871.D

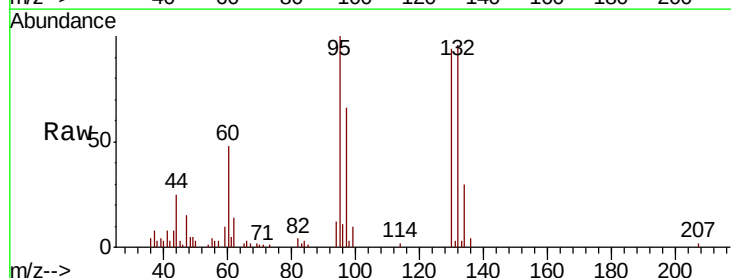
Acq: 22 Aug 2018 12:15

Tgt Ion: 130 Resp: 67821

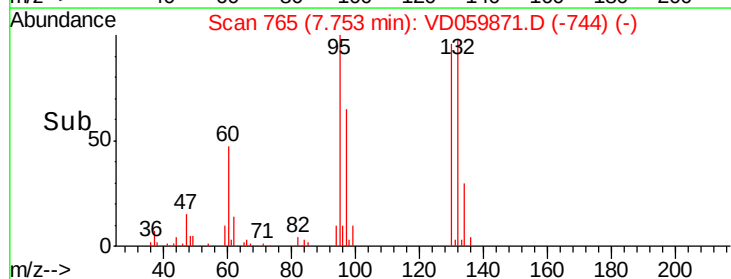
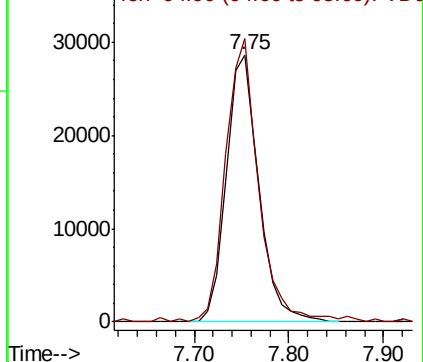
Ion Ratio Lower Upper

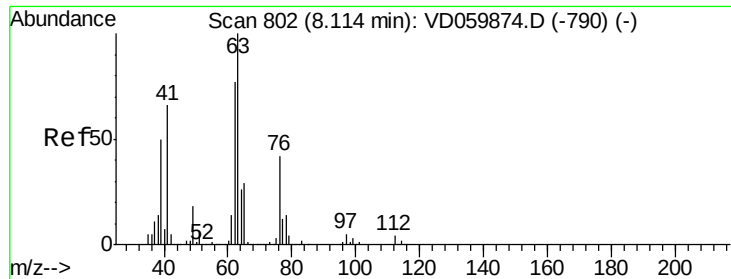
130 100

95 106.0 0.0 202.0



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

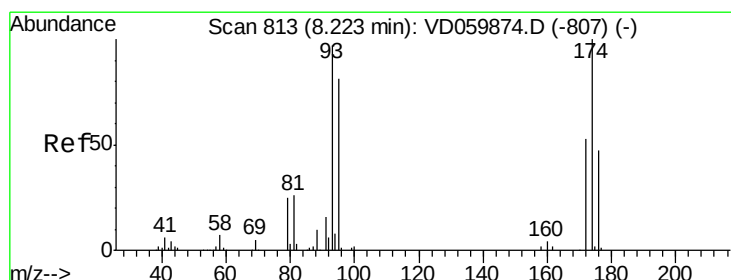
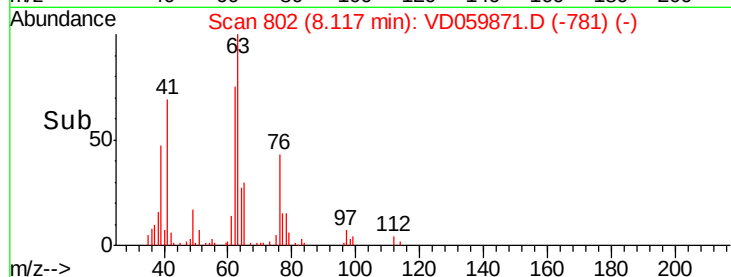
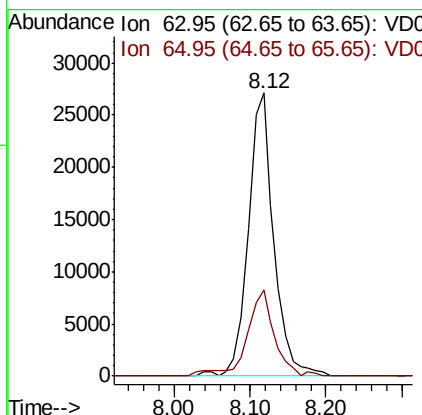
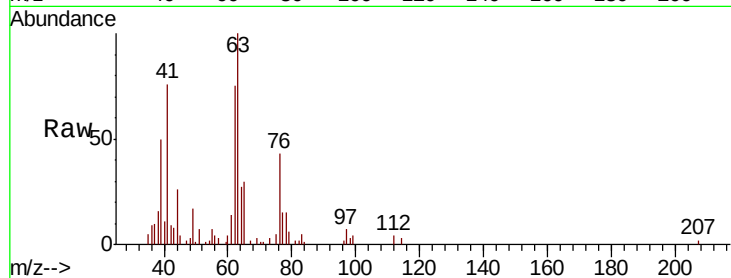




#45
 1,2-Dichloropropane
 Concen: 4.985 ug/l
 RT: 8.12 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

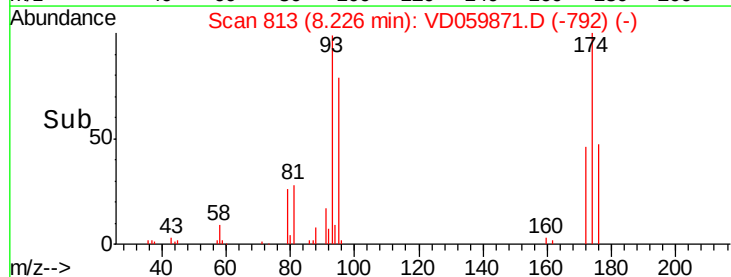
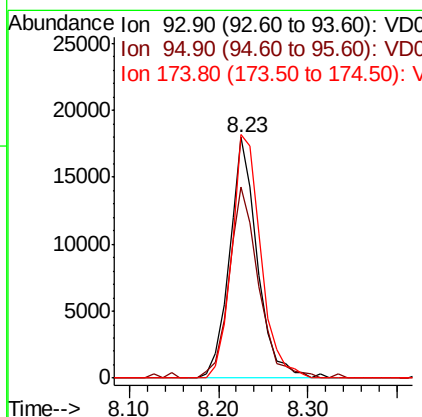
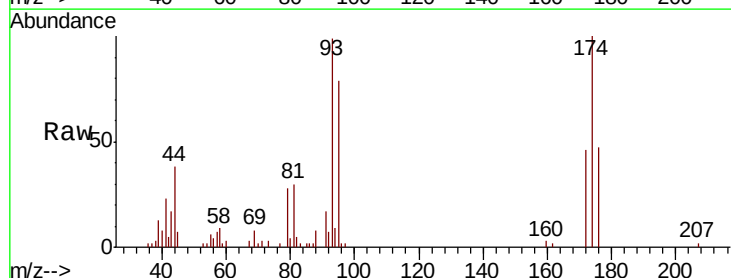
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

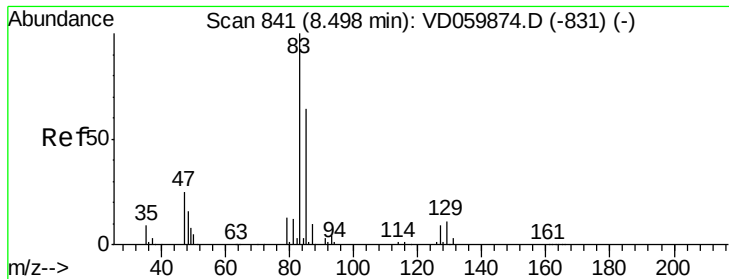
Tgt Ion: 63 Resp: 63357
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.5 35.3



#46
 Dibromomethane
 Concen: 4.810 ug/l
 RT: 8.23 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 93 Resp: 39308
 Ion Ratio Lower Upper
 93 100
 95 79.4 66.6 100.0
 174 101.1 82.4 123.6





#47

Bromodichloromethane

Concen: 4.927 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

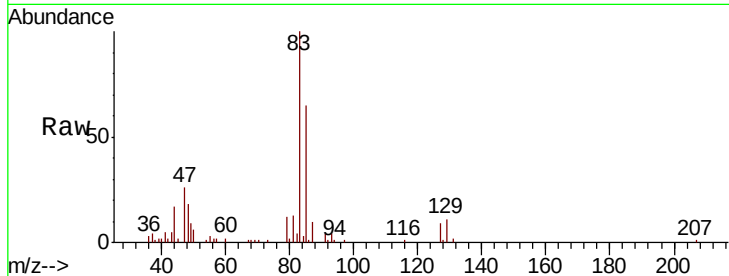
Tgt Ion: 83 Resp: 91167

Ion Ratio Lower Upper

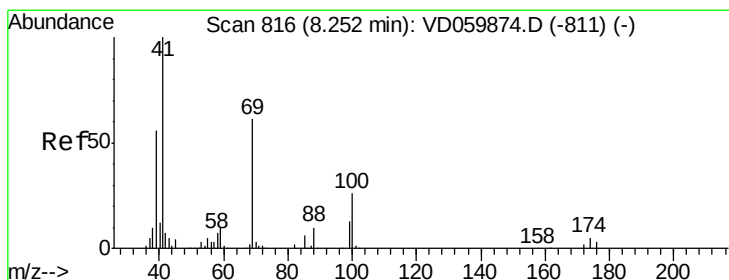
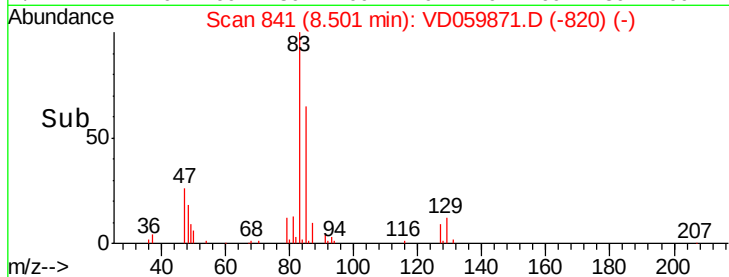
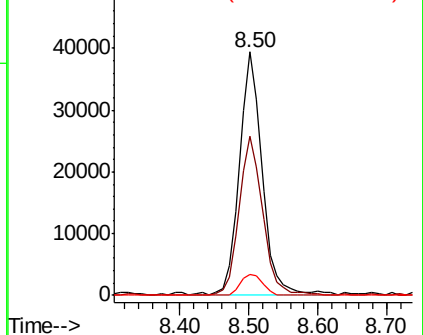
83 100

85 65.4 51.3 76.9

127 8.5 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: 4.950 ug/l

RT: 8.26 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

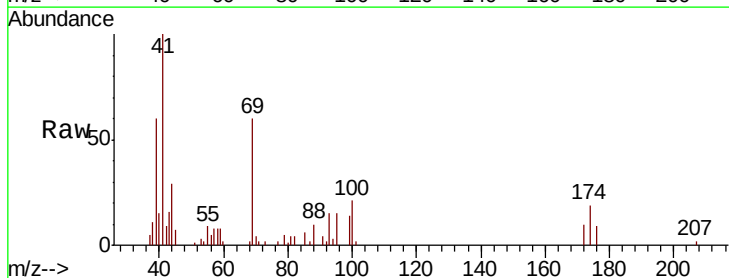
Tgt Ion: 41 Resp: 51083

Ion Ratio Lower Upper

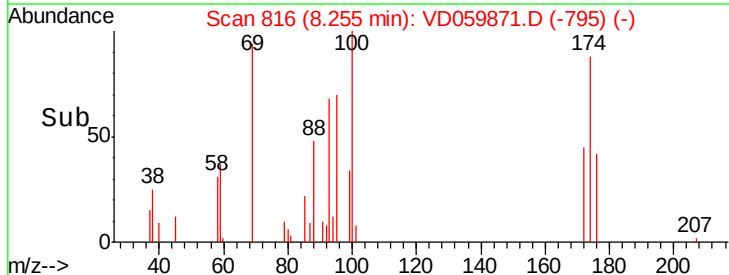
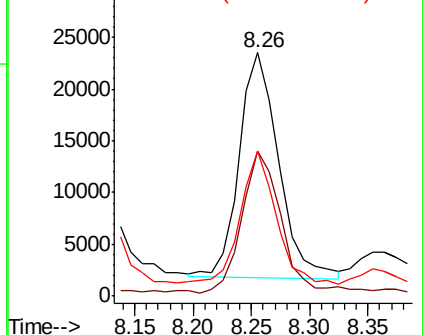
41 100

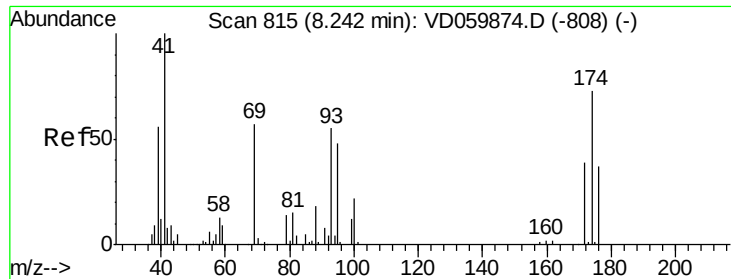
69 59.7 48.0 72.0

39 59.5 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

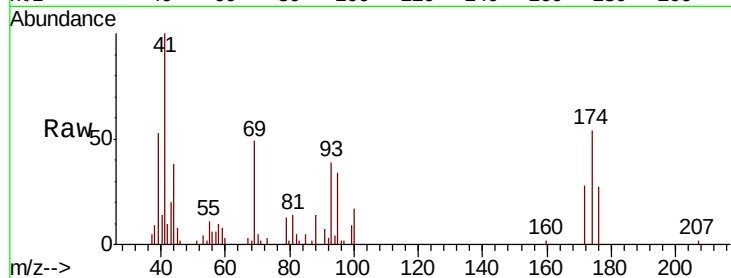




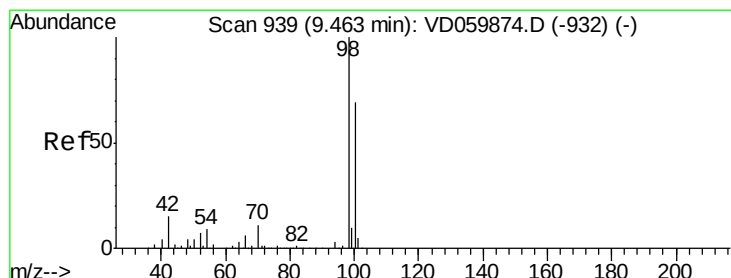
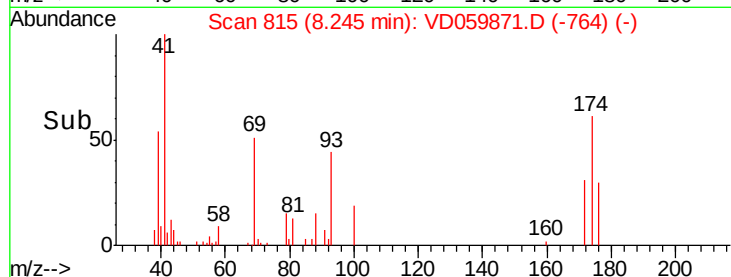
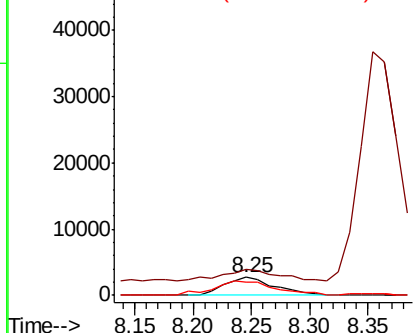
#49
1,4-Dioxane
Concen: 87.224 ug/l
RT: 8.25 min Scan# 815
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 8037
Ion Ratio Lower Upper
88 100
43 145.2 45.0 67.6#
58 75.3 55.8 83.8

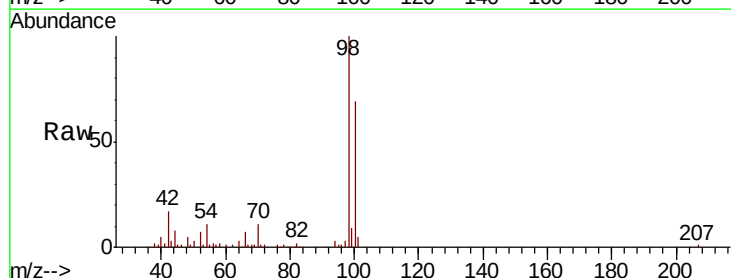


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

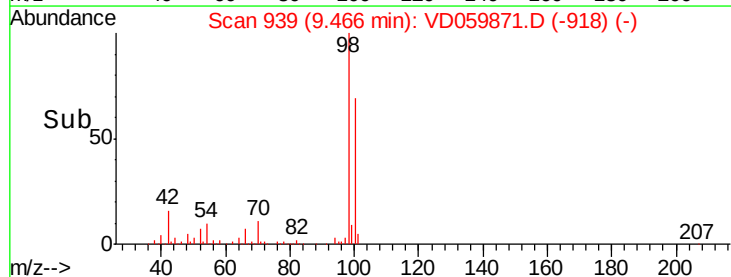
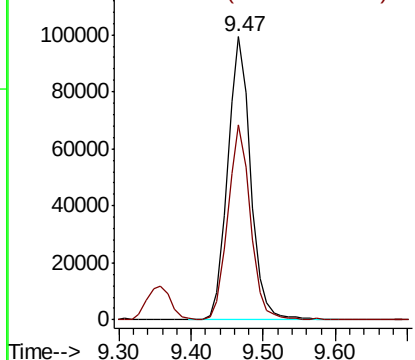


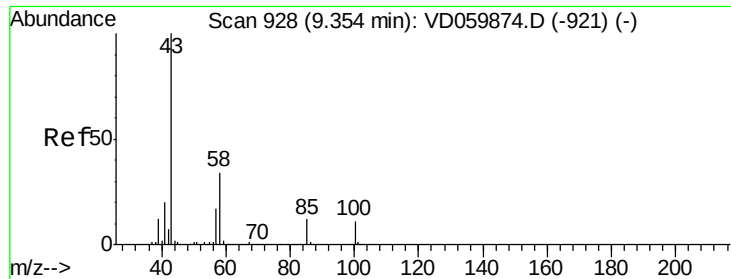
#50
Toluene-d8
Concen: 87.224 ug/l
RT: 9.47 min Scan# 939
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 98 Resp: 219678
Ion Ratio Lower Upper
98 100
100 68.9 55.8 83.6



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

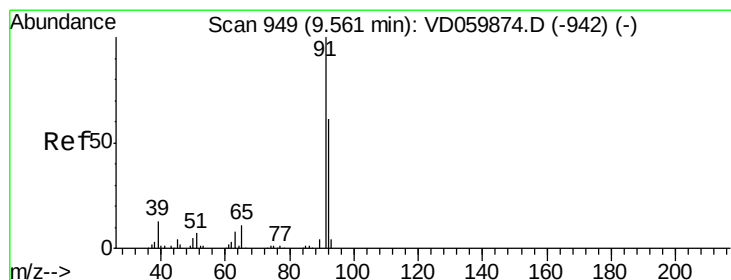
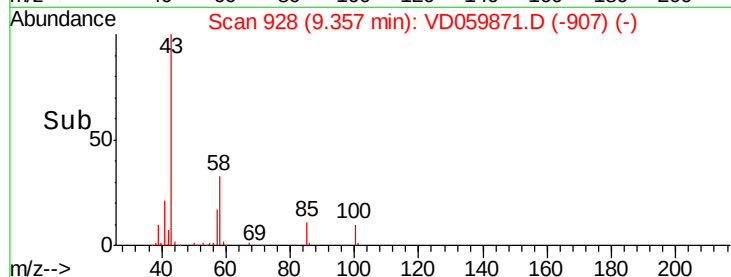
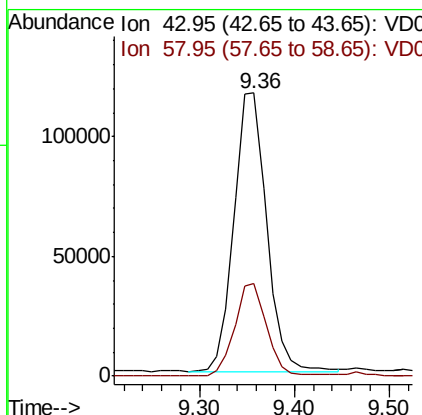
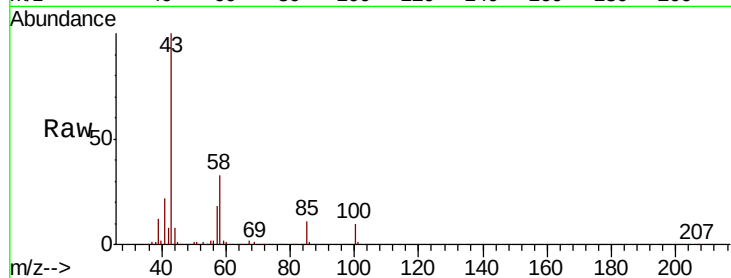




#51
 4-Methyl-2-Pentanone
 Concen: 21.020 ug/l
 RT: 9.36 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

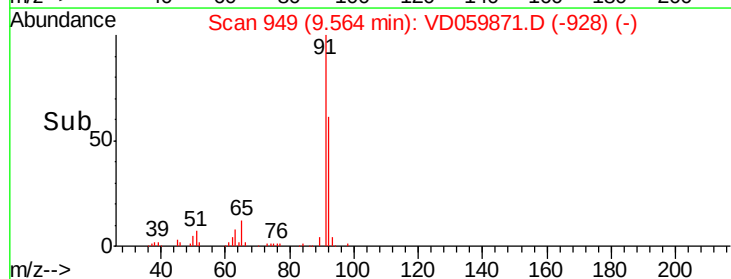
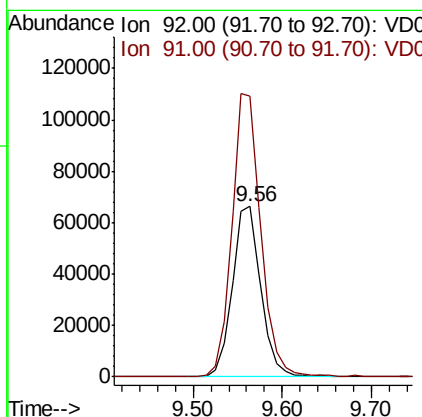
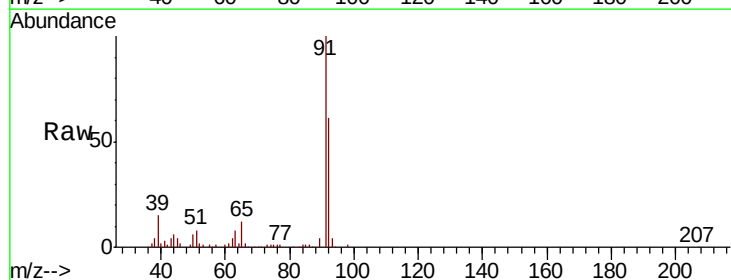
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

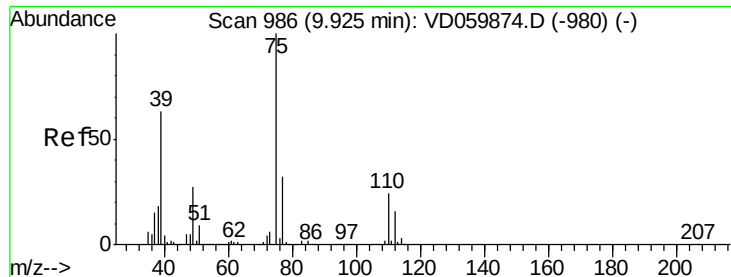
Tgt Ion: 43 Resp: 277443
 Ion Ratio Lower Upper
 43 100
 58 32.7 27.0 40.4



#52
 Toluene
 Concen: 5.072 ug/l
 RT: 9.56 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 92 Resp: 147905
 Ion Ratio Lower Upper
 92 100
 91 164.7 131.4 197.2

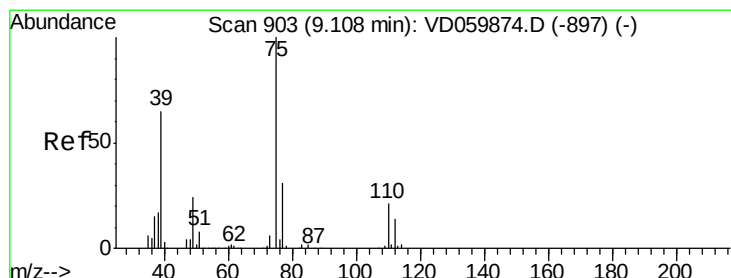
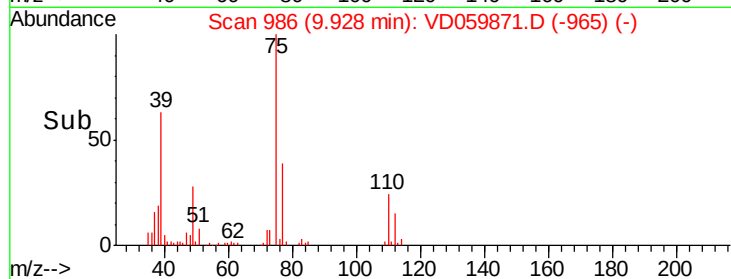
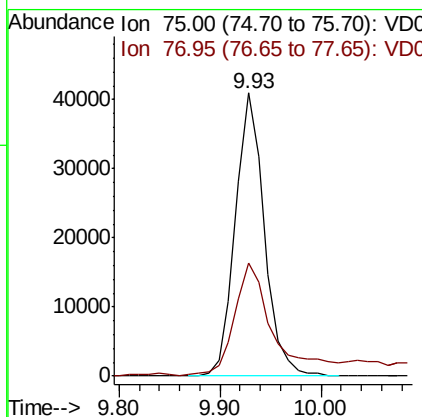
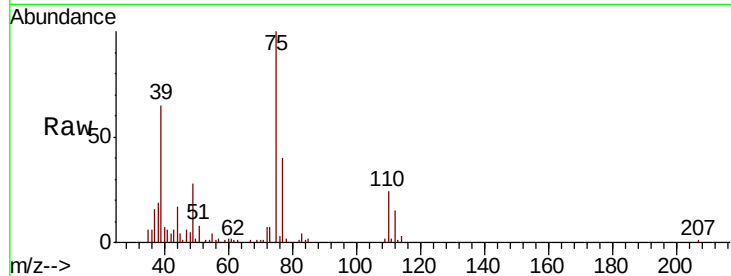




#53
 t-1,3-Dichloropropene
 Concen: 4.762 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

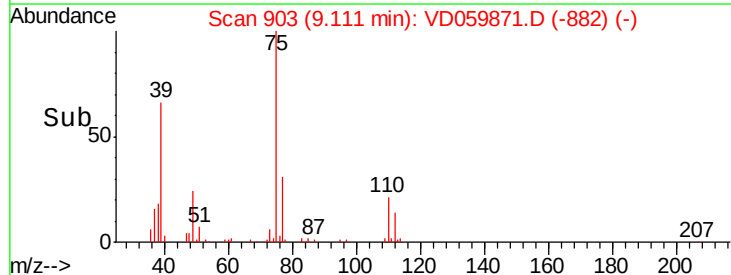
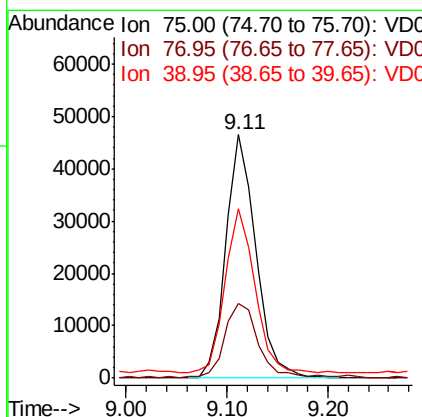
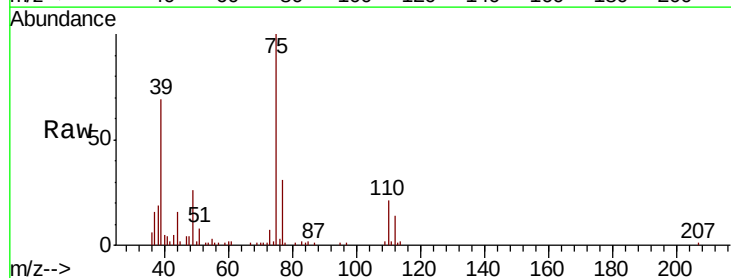
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

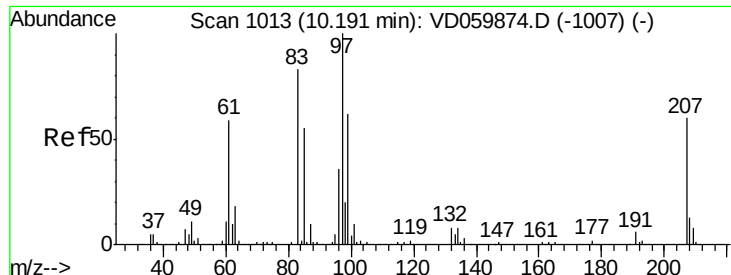
Tgt Ion: 75 Resp: 81494
 Ion Ratio Lower Upper
 75 100
 77 39.9 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 4.850 ug/l
 RT: 9.11 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 75 Resp: 96241
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 69.4 52.1 78.1

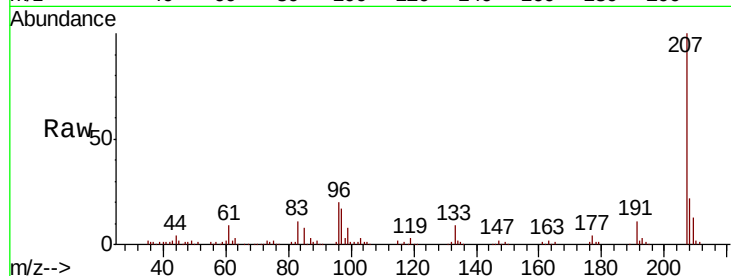




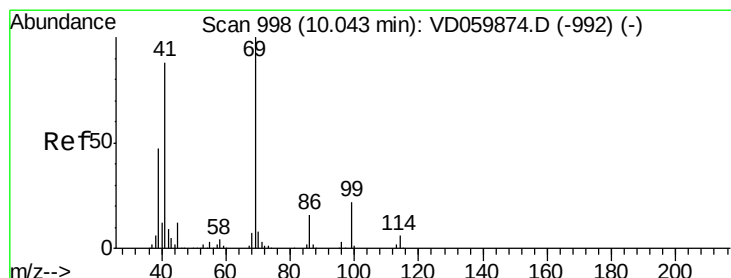
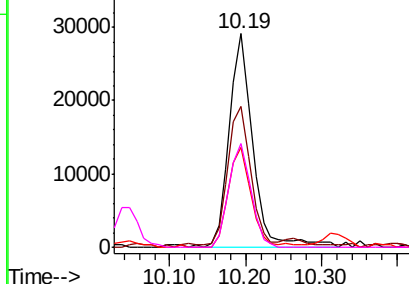
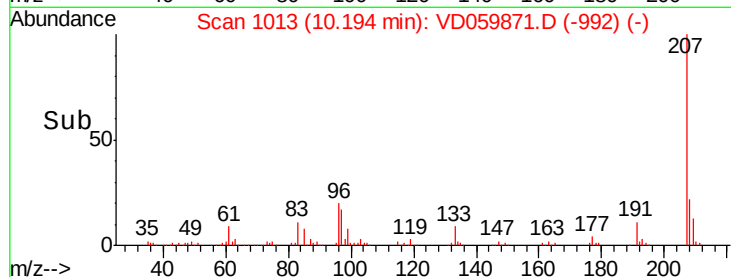
#55
 1,1,2-Trichloroethane
 Concen: 5.898 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 97 Resp: 62862
 Ion Ratio Lower Upper
 97 100
 83 66.1 66.7 100.1#
 85 46.7 43.8 65.6
 99 48.4 49.8 74.6#

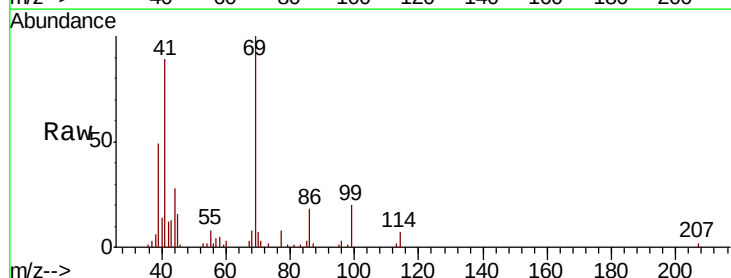


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

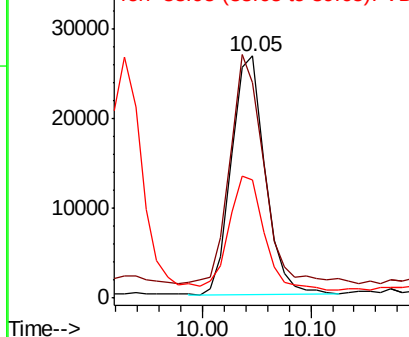
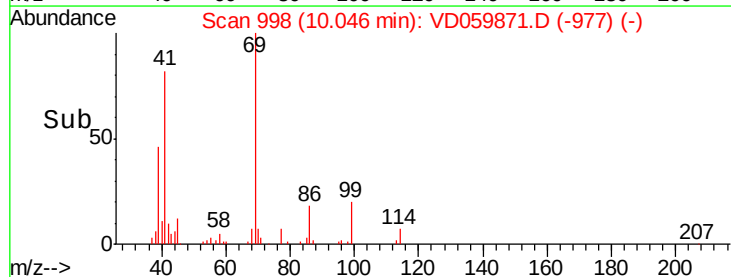


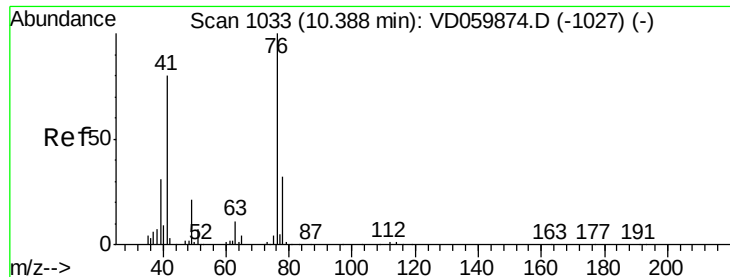
#56
 Ethyl methacrylate
 Concen: 4.687 ug/l
 RT: 10.05 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 69 Resp: 57654
 Ion Ratio Lower Upper
 69 100
 41 88.8 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

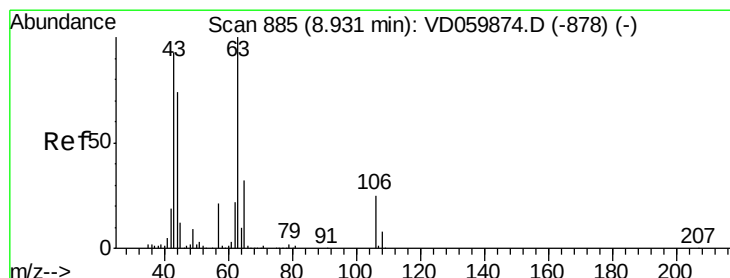
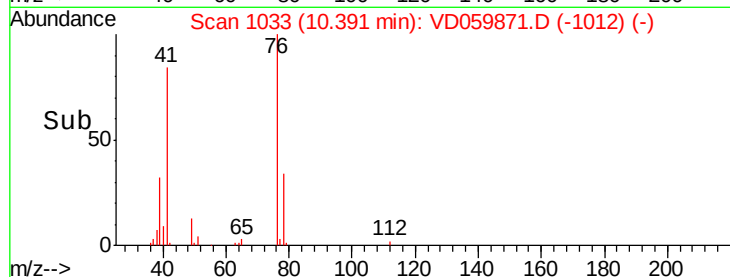
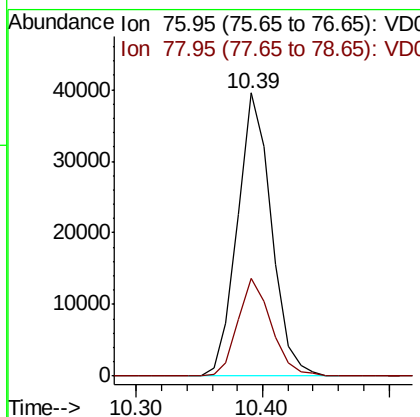
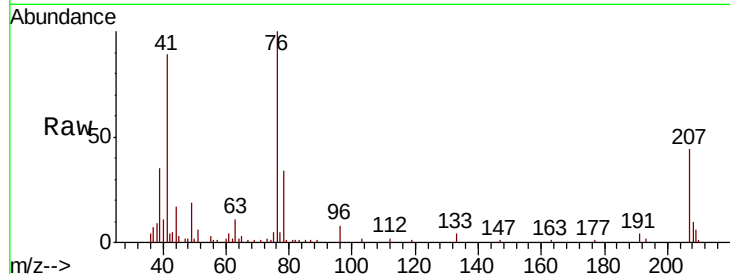




#57
 1,3-Dichloropropane
 Concen: 4.764 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

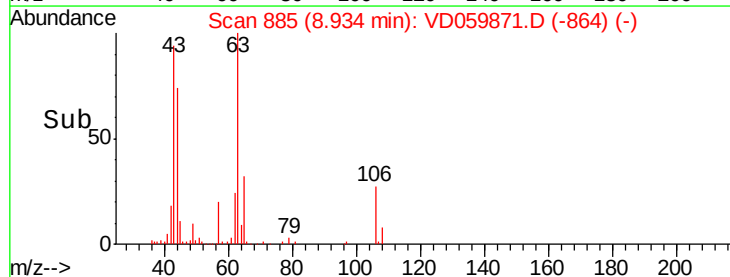
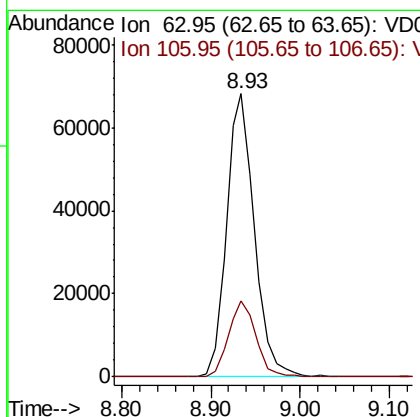
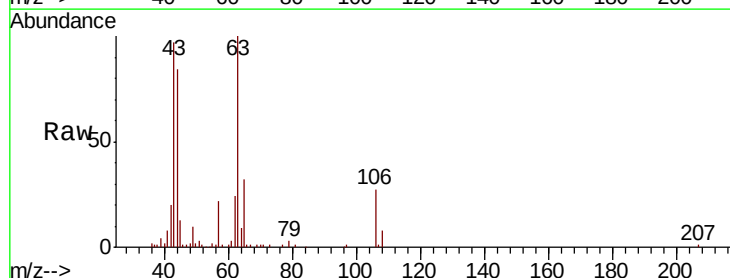
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

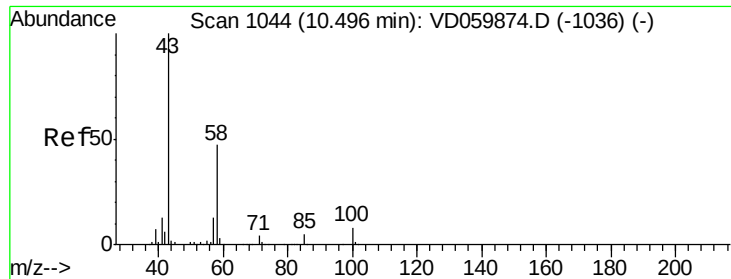
Tgt Ion: 76 Resp: 73490
 Ion Ratio Lower Upper
 76 100
 78 34.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.160 ug/l
 RT: 8.93 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 63 Resp: 148474
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.1 30.1

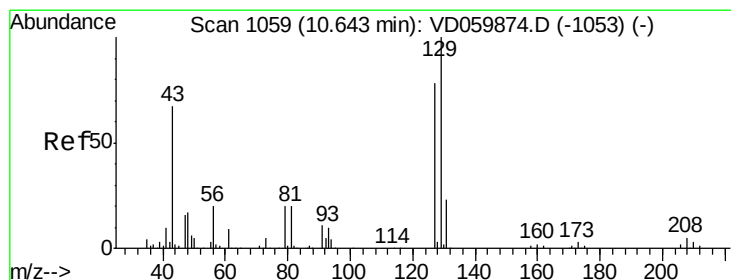
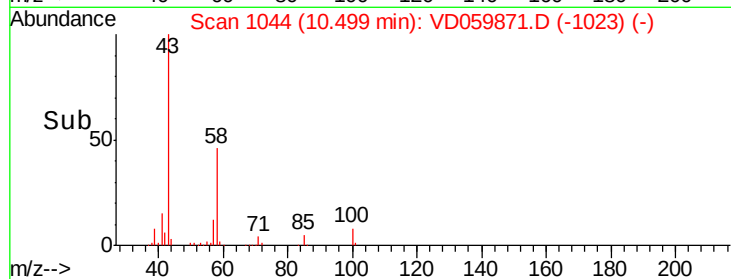
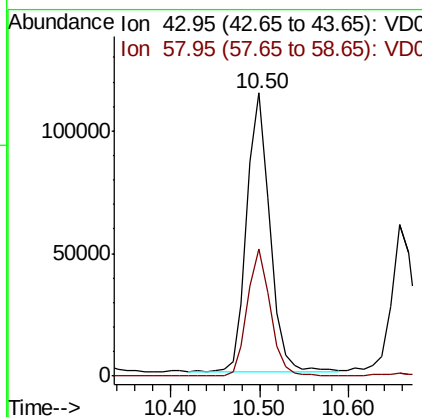
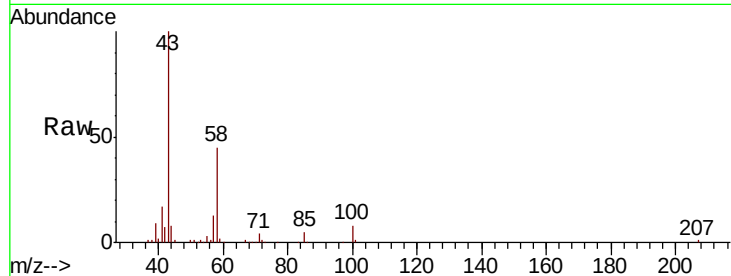




#59
2-Hexanone
Concen: 20.730 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

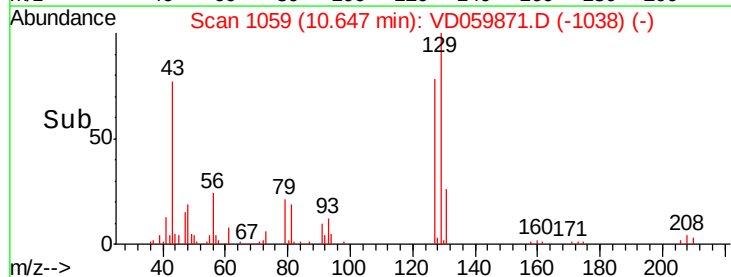
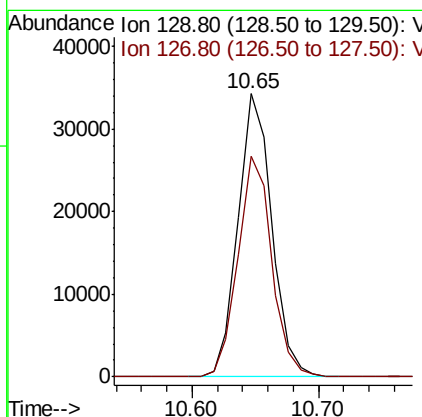
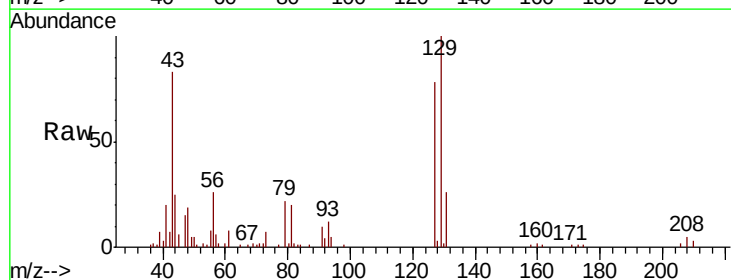
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

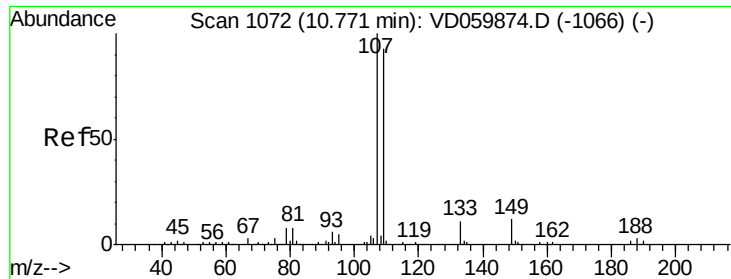
Tgt Ion: 43 Resp: 201822
Ion Ratio Lower Upper
43 100
58 45.0 23.3 69.8



#60
Dibromochloromethane
Concen: 4.737 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion: 129 Resp: 63457
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2

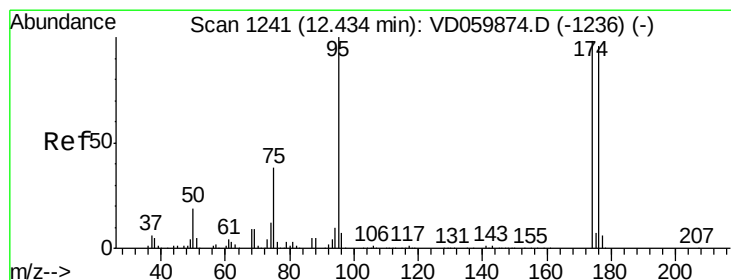
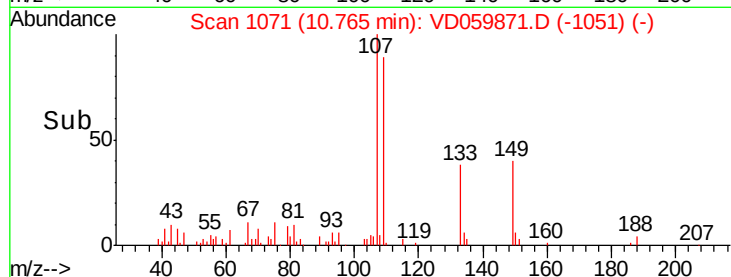
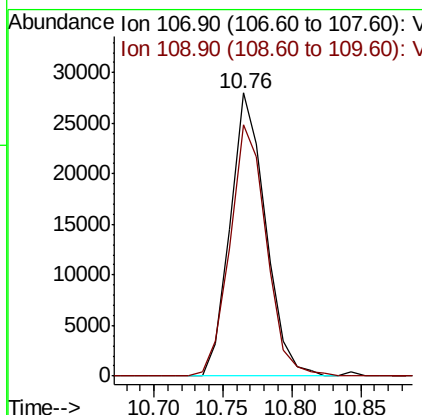
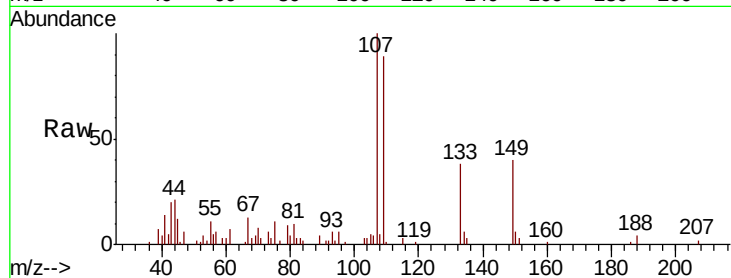




#61
 1,2-Dibromoethane
 Concen: 4.643 ug/l
 RT: 10.76 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

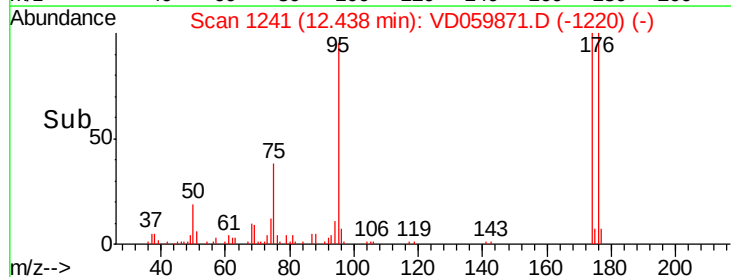
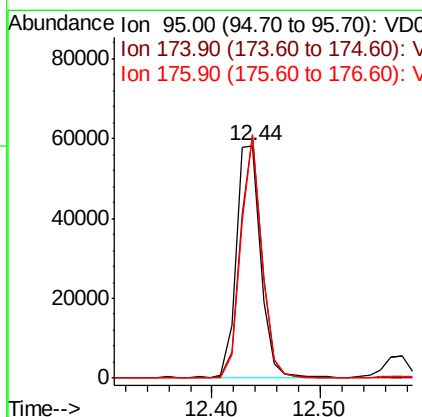
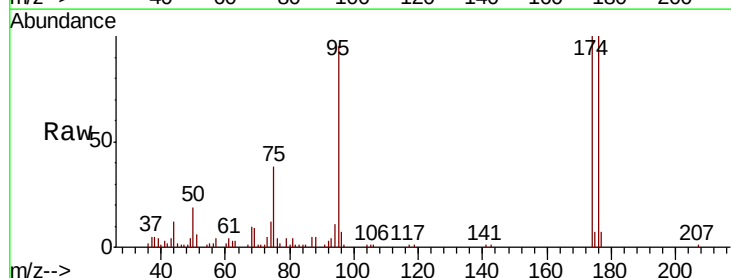
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

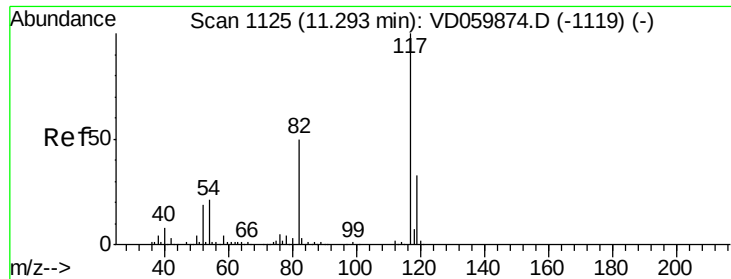
Tgt Ion: 107 Resp: 50037
 Ion Ratio Lower Upper
 107 100
 109 89.0 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 4.643 ug/l
 RT: 12.44 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 95 Resp: 92136
 Ion Ratio Lower Upper
 95 100
 174 104.4 0.0 195.6
 176 104.7 0.0 191.2

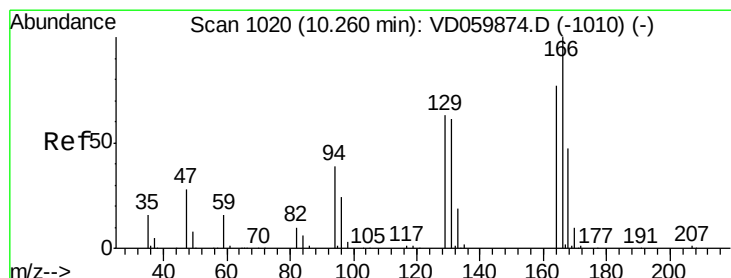
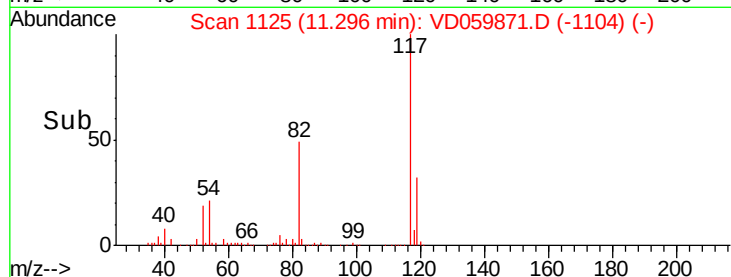
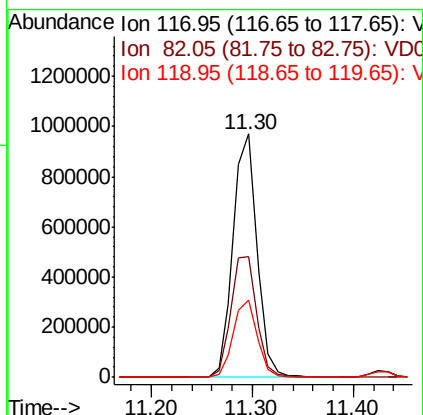
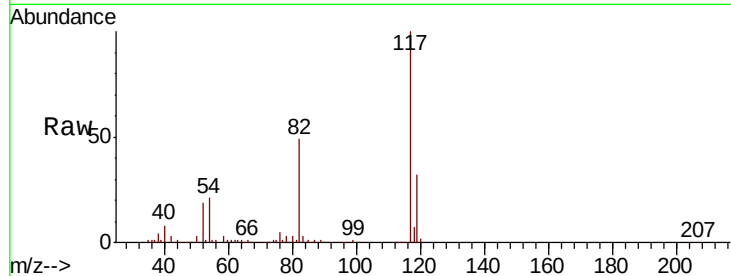




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

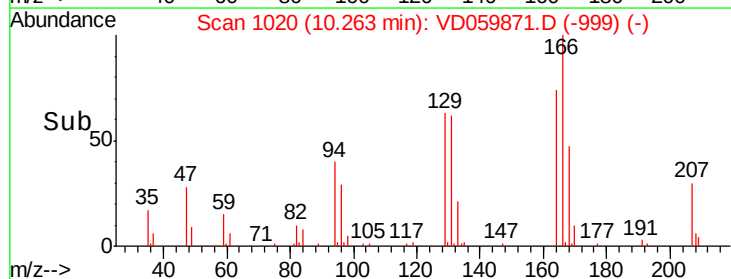
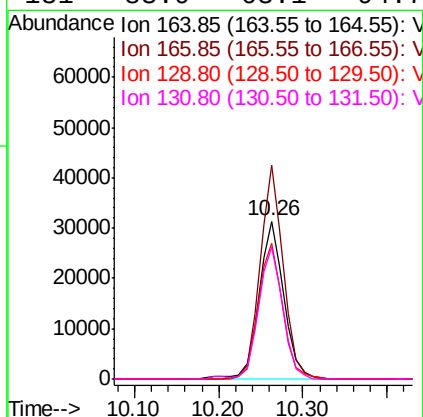
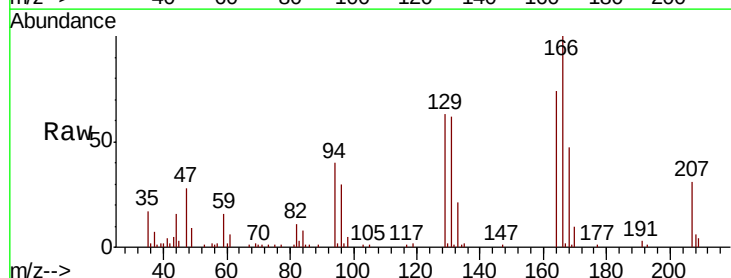
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

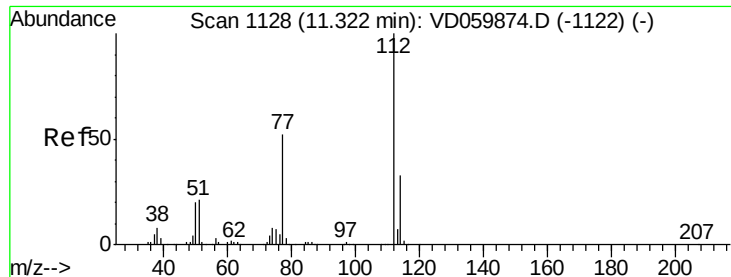
Tgt Ion:117 Resp: 1602161
Ion Ratio Lower Upper
117 100
82 49.4 40.1 60.1
119 31.8 26.7 40.1



#64
Tetrachloroethene
Concen: 5.279 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion:164 Resp: 65394
Ion Ratio Lower Upper
164 100
166 135.6 103.4 155.2
129 85.8 65.2 97.8
131 83.9 63.1 94.7

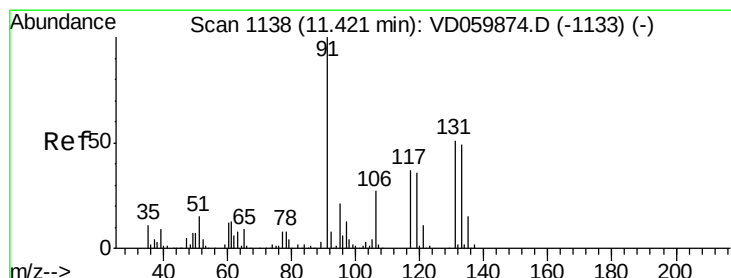
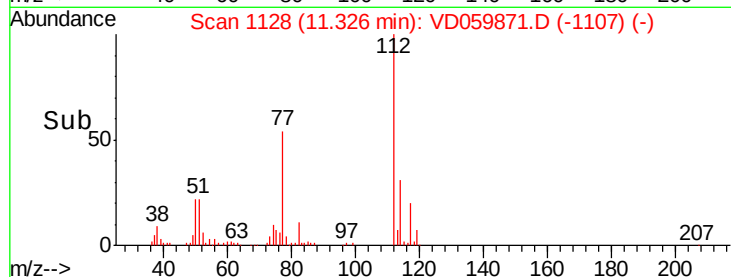
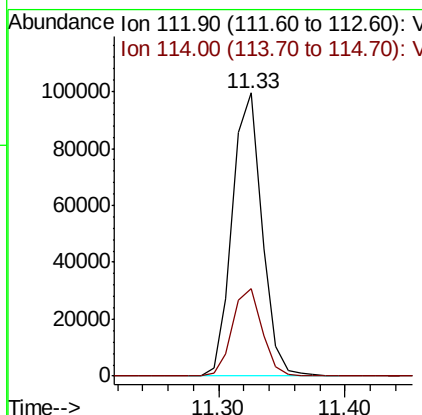
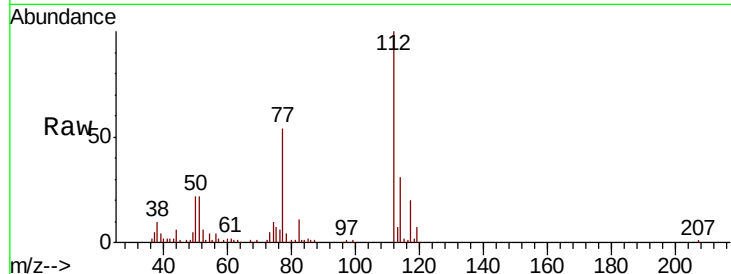




#65
Chlorobenzene
Concen: 5.072 ug/l
RT: 11.33 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

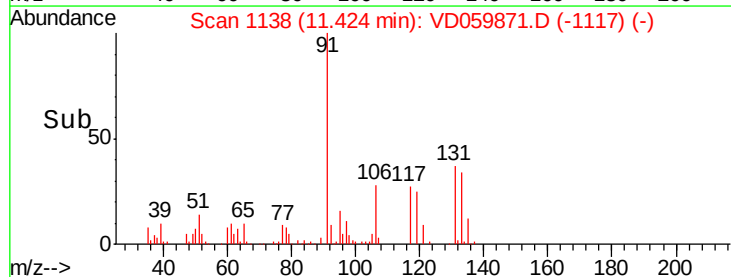
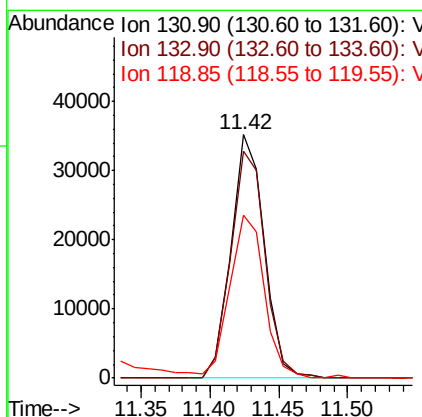
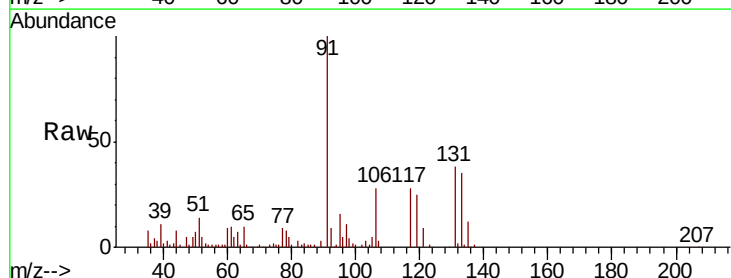
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

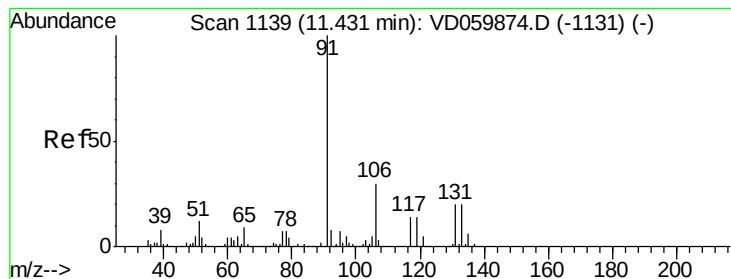
Tgt Ion:112 Resp: 161487
Ion Ratio Lower Upper
112 100
114 31.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 5.067 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion:131 Resp: 58934
Ion Ratio Lower Upper
131 100
133 93.5 48.3 144.8
119 67.0 35.4 106.3





#67

Ethyl Benzene

Concen: 5.301 ug/l

RT: 11.43 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

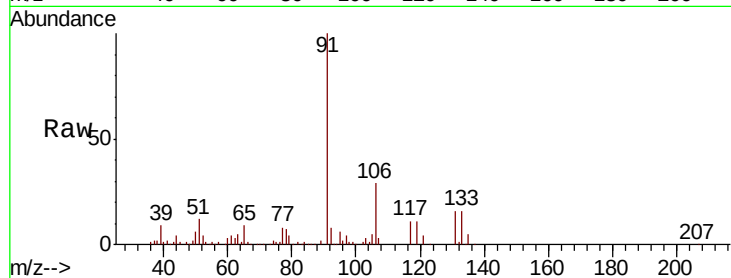
VSTDIC005

Tgt Ion: 91 Resp: 283908

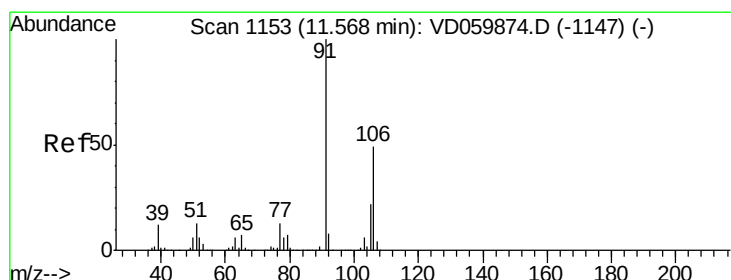
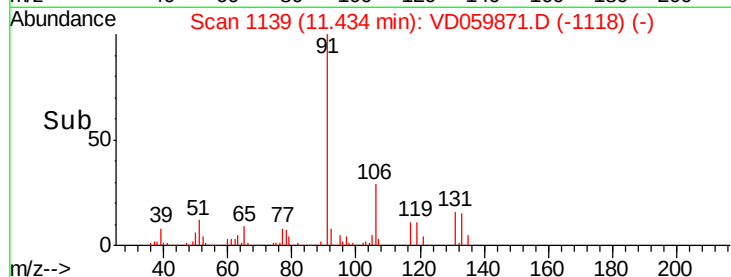
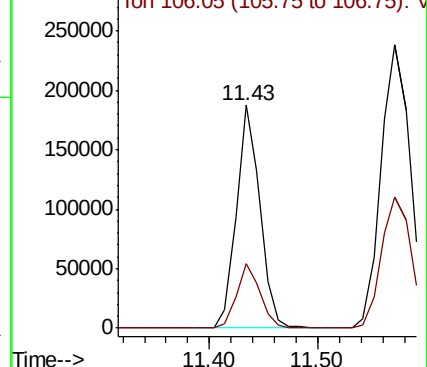
Ion Ratio Lower Upper

91 100

106 29.2 23.8 35.8



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 10.886 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VD059871.D

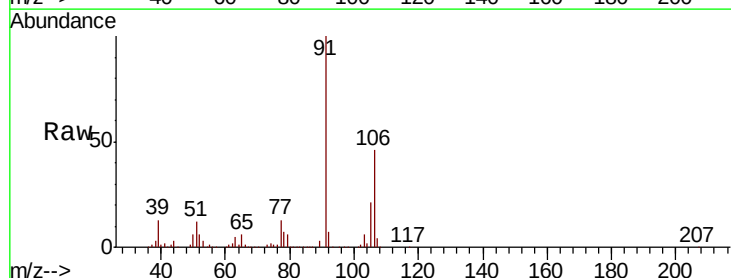
Acq: 22 Aug 2018 12:15

Tgt Ion: 106 Resp: 212286

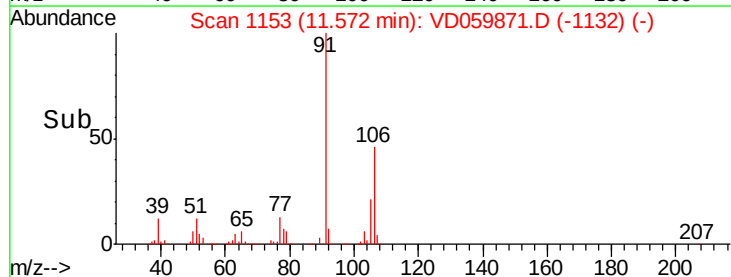
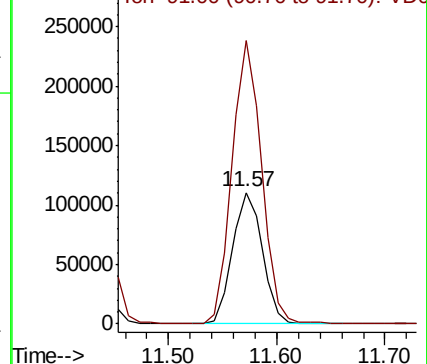
Ion Ratio Lower Upper

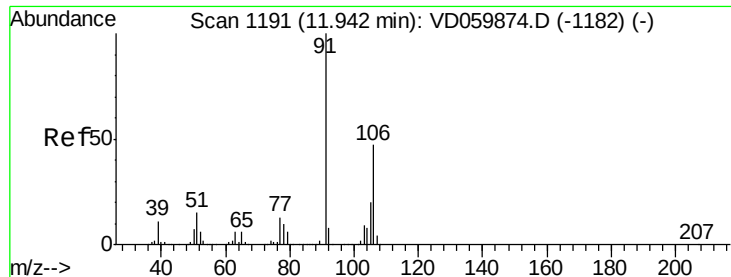
106 100

91 215.8 162.0 243.0



Abundance Ion 106.05 (105.75 to 106.75): VDC

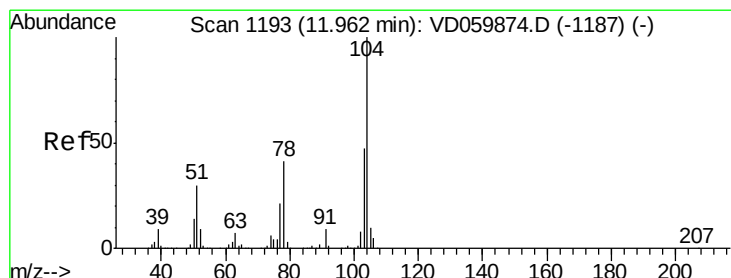
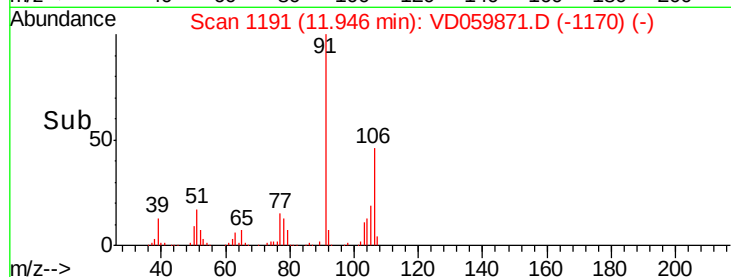
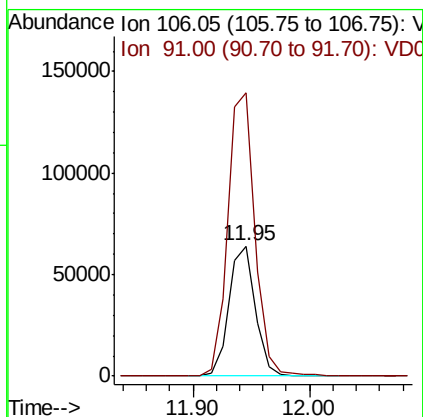
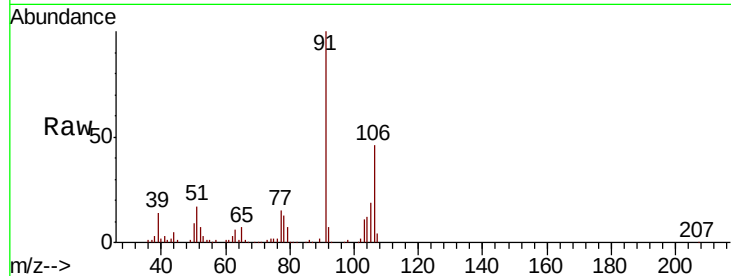




#69
o-Xylene
Concen: 5.271 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

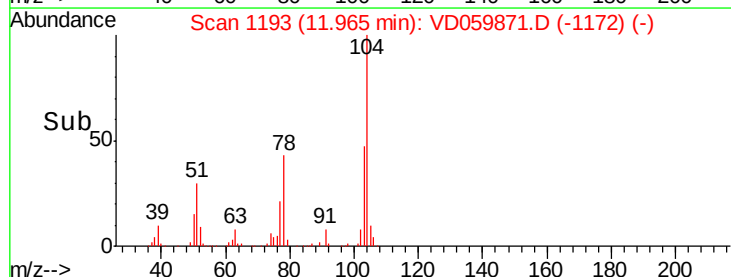
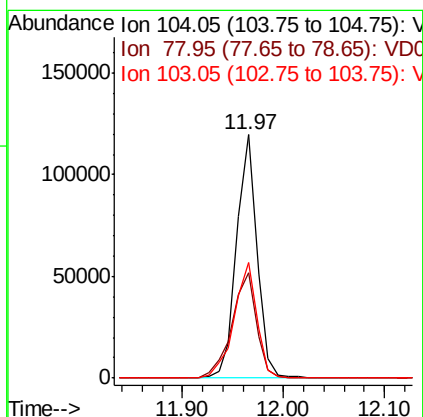
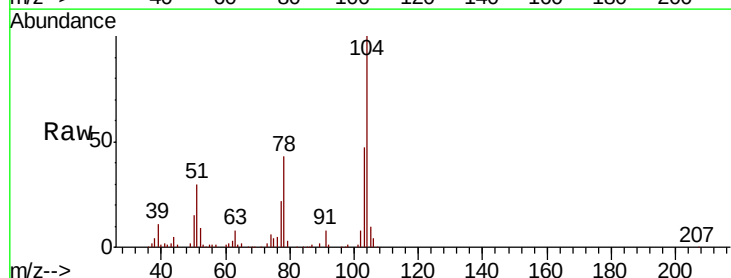
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

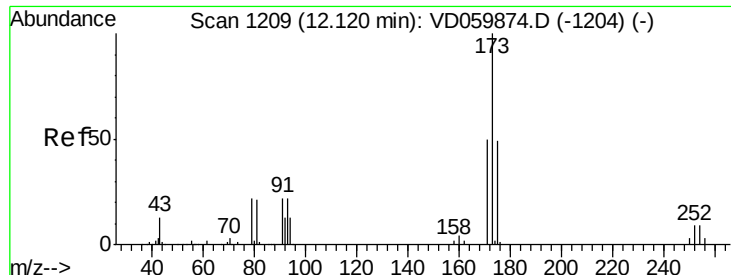
Tgt Ion:106 Resp: 100547
Ion Ratio Lower Upper
106 100
91 217.4 107.3 322.0



#70
Styrene
Concen: 5.083 ug/l
RT: 11.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion:104 Resp: 167883
Ion Ratio Lower Upper
104 100
78 43.3 32.6 49.0
103 47.5 37.7 56.5





#71

Bromoform

Concen: 4.588 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

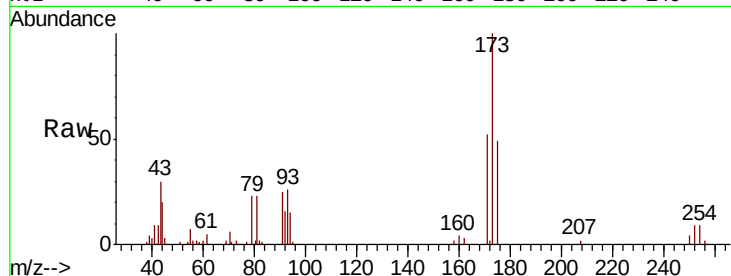
Tgt Ion:173 Resp: 46175

Ion Ratio Lower Upper

173 100

175 49.2 24.3 73.0

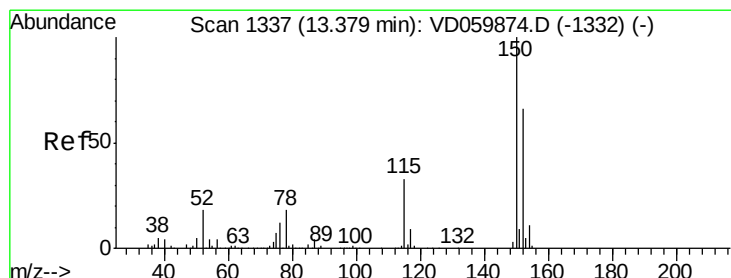
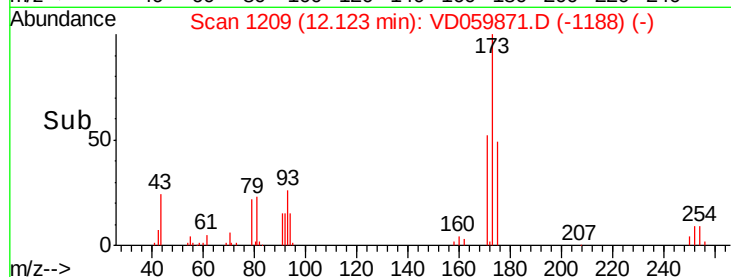
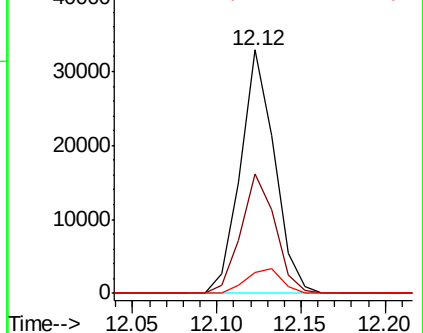
254 8.7 7.0 10.6



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. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

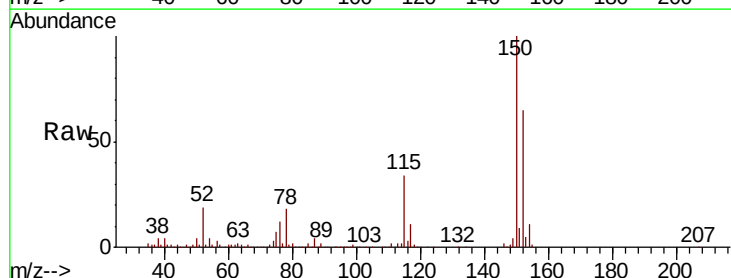
Tgt Ion:152 Resp: 790205

Ion Ratio Lower Upper

152 100

115 52.3 25.7 77.0

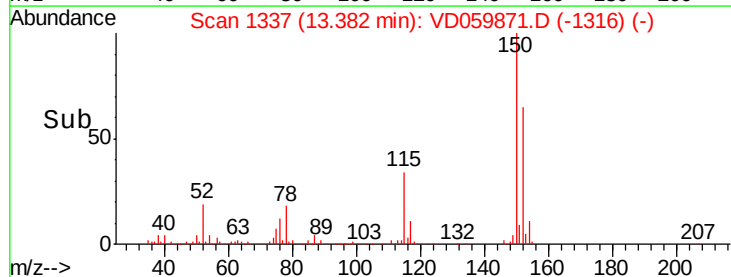
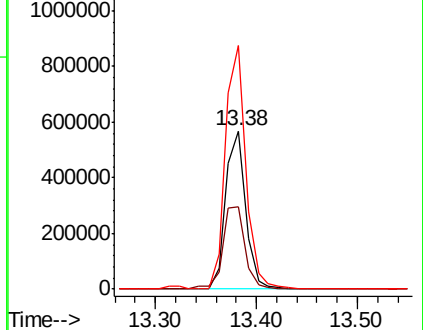
150 153.9 0.0 310.2

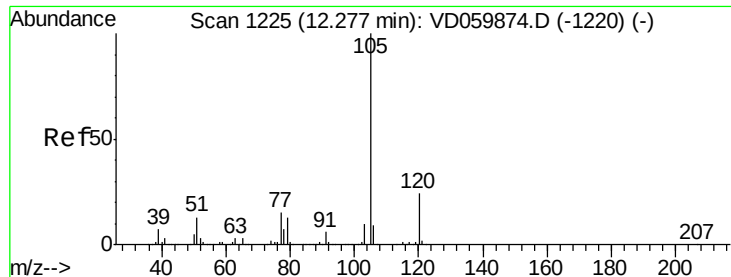


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.334 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

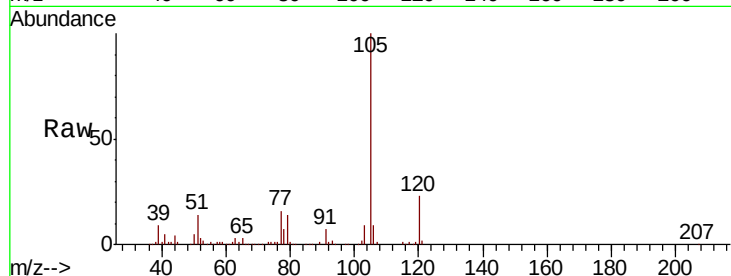
VSTDIC005

Tgt Ion: 105 Resp: 269071

Ion Ratio Lower Upper

105 100

120 23.5 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.28

200000

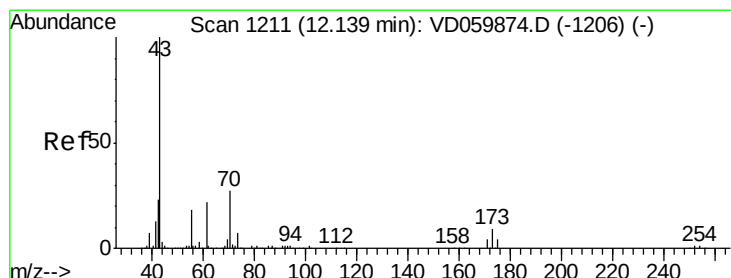
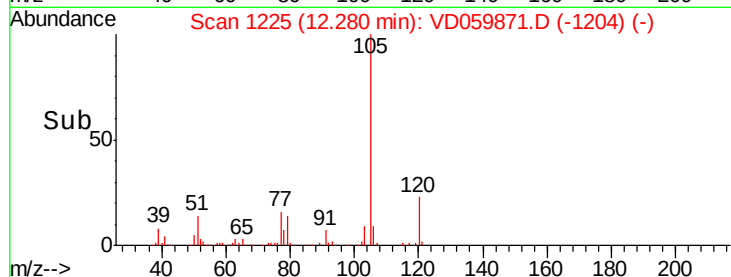
150000

100000

50000

0

Time--> 12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 5.096 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Tgt Ion: 43 Resp: 112550

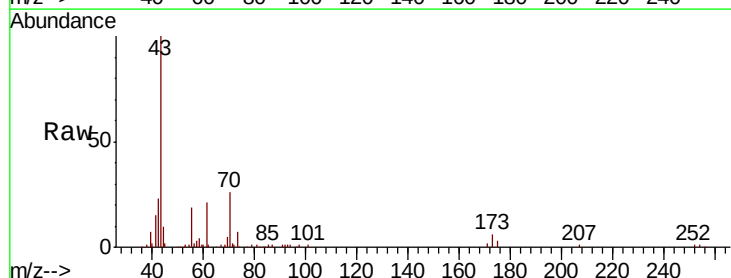
Ion Ratio Lower Upper

43 100

70 25.5 21.4 32.2

55 18.8 14.1 21.1

61 21.4 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

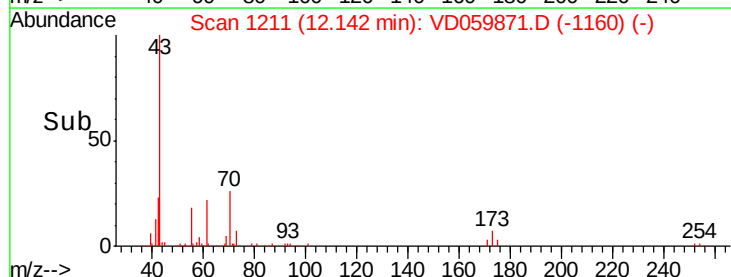
Ion 60.95 (60.65 to 61.65): VDC

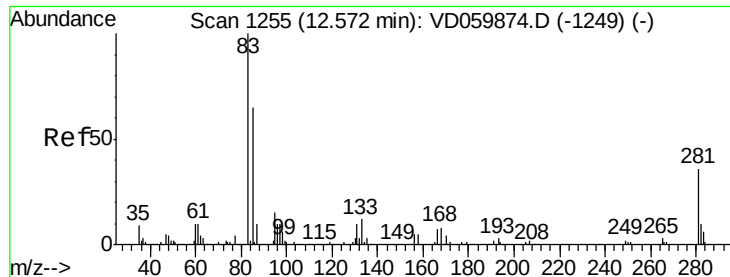
100000

50000

0

Time--> 12.05 12.10 12.15 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 5.316 ug/l

RT: 12.57 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

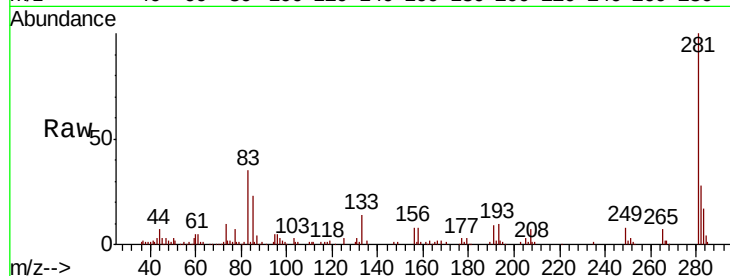
Tgt Ion: 83 Resp: 62030

Ion Ratio Lower Upper

83 100

131 9.1 4.8 14.4

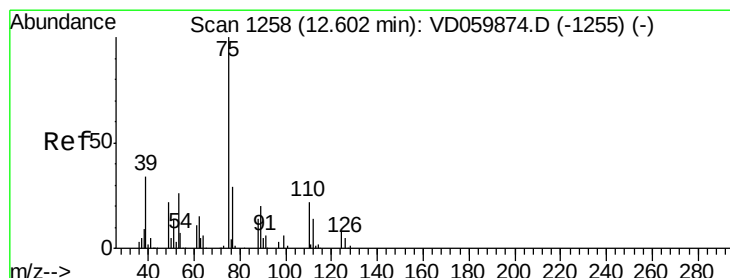
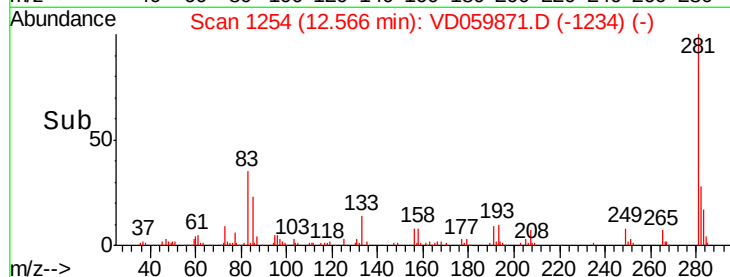
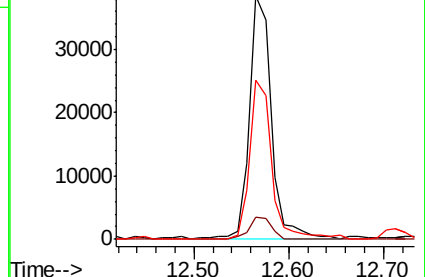
85 65.4 32.6 97.8



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: 5.104 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059871.D

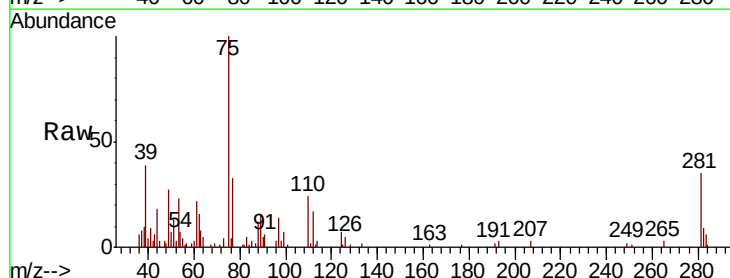
Acq: 22 Aug 2018 12:15

Tgt Ion: 75 Resp: 62691

Ion Ratio Lower Upper

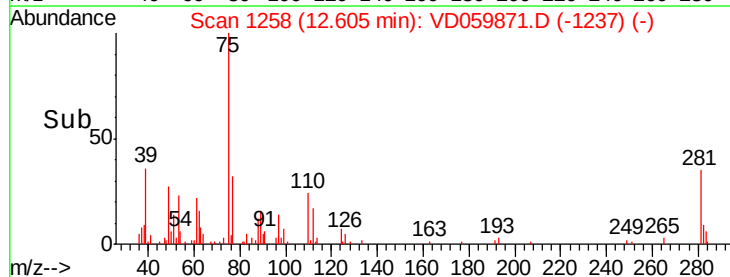
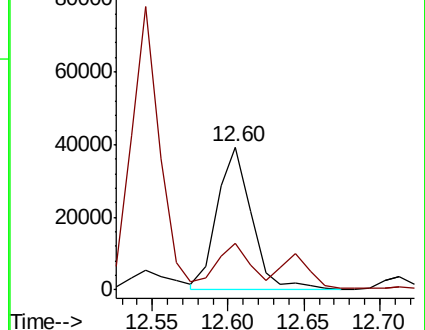
75 100

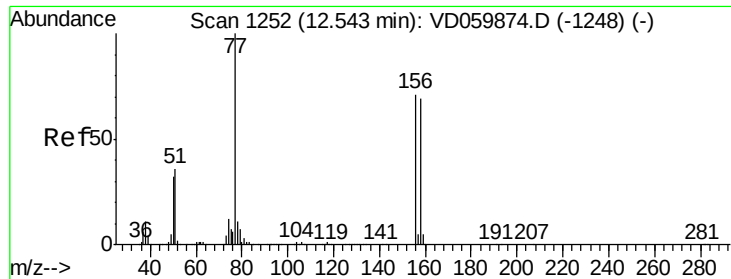
77 32.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 5.192 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

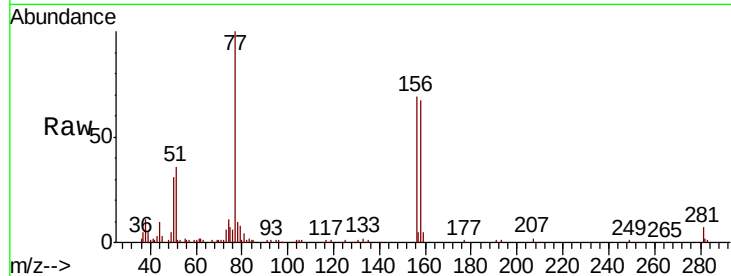
Tgt Ion: 156 Resp: 72618

Ion Ratio Lower Upper

156 100

77 145.4 70.2 210.4

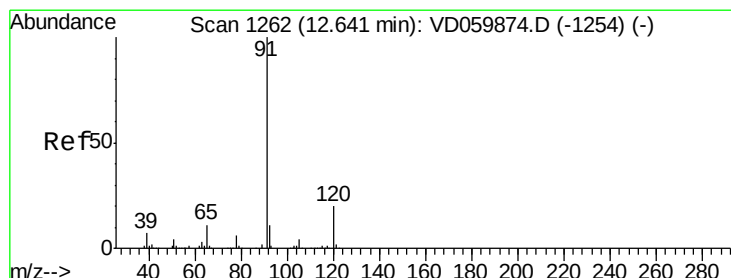
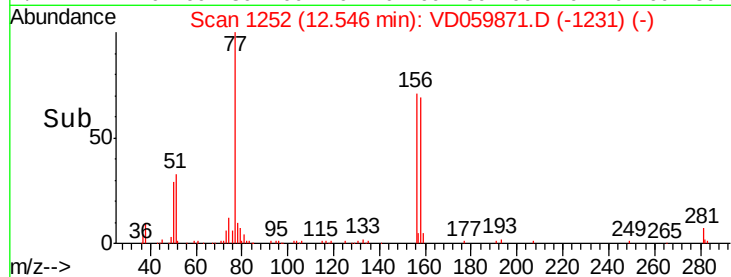
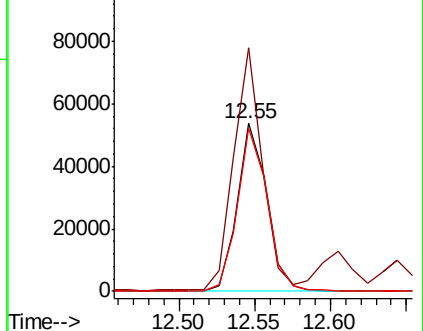
158 97.1 48.4 145.2



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: 5.617 ug/l

RT: 12.64 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD059871.D

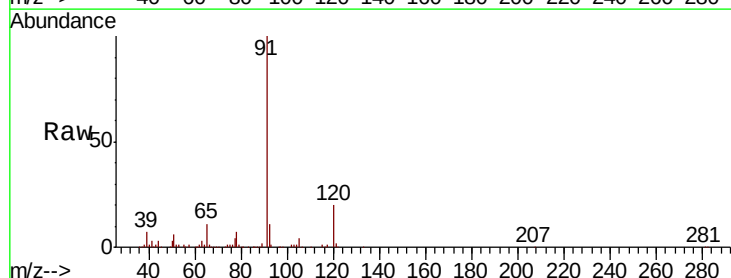
Acq: 22 Aug 2018 12:15

Tgt Ion: 91 Resp: 358753

Ion Ratio Lower Upper

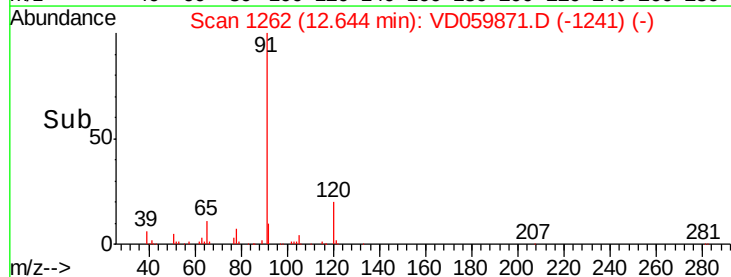
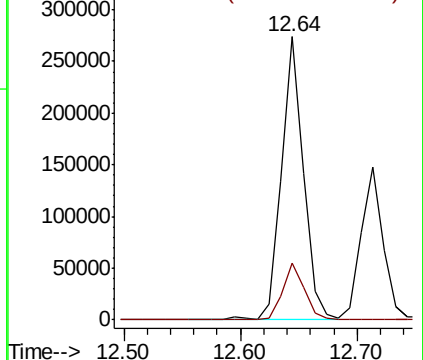
91 100

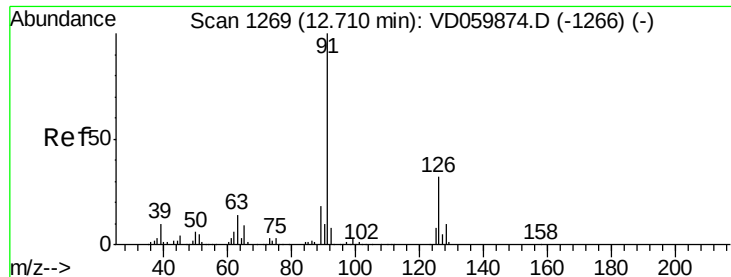
120 19.9 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.353 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

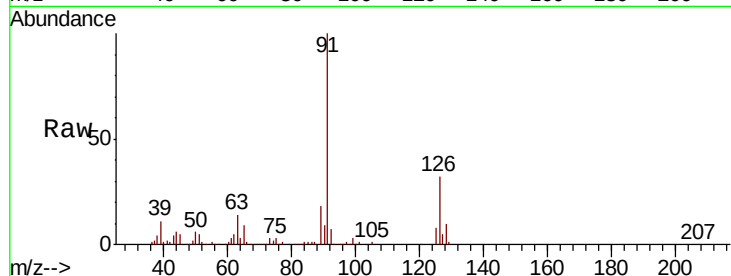
VSTDIC005

Tgt Ion: 91 Resp: 193350

Ion Ratio Lower Upper

91 100

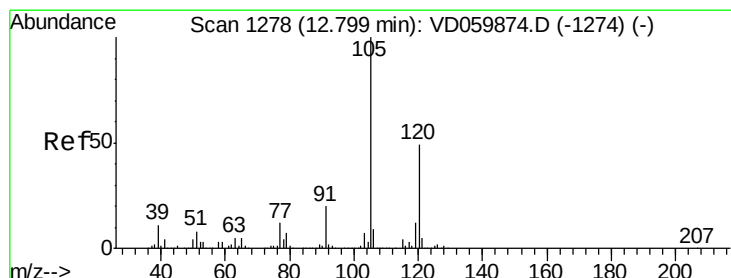
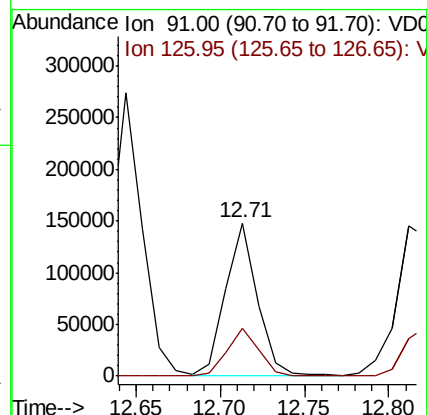
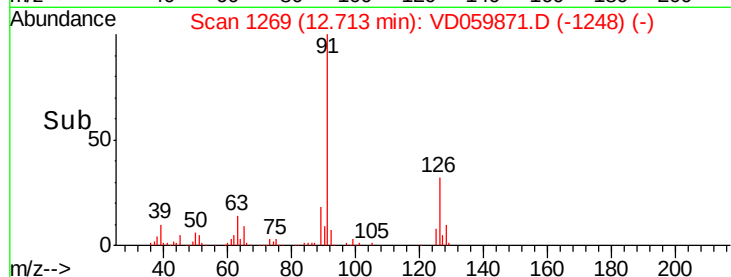
126 31.6 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VD059871.D (-1266) (-)

Ion 125.95 (125.65 to 126.65): VD059871.D (-1266) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.446 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VD059871.D

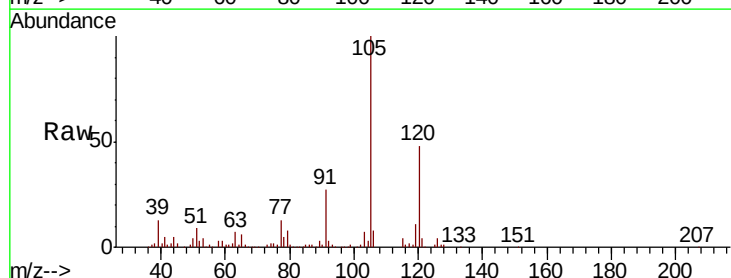
Acq: 22 Aug 2018 12:15

Tgt Ion: 105 Resp: 218401

Ion Ratio Lower Upper

105 100

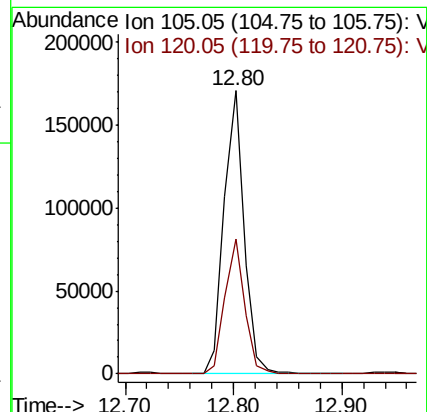
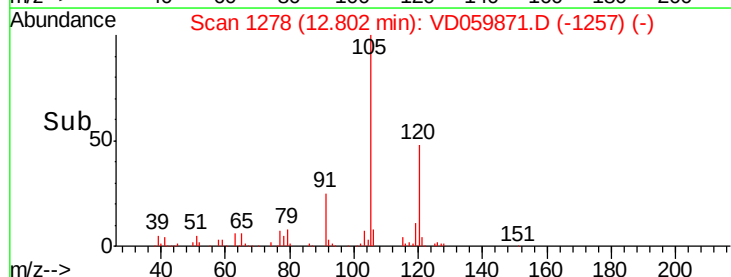
120 47.6 24.5 73.5

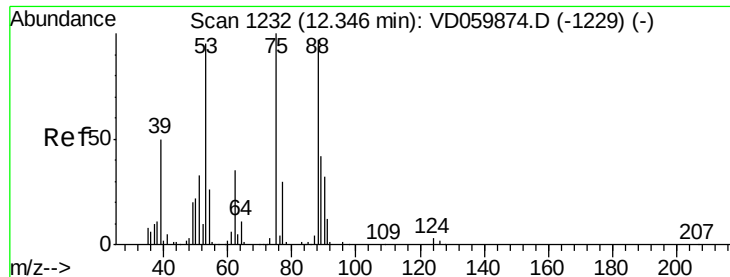


Abundance Ion 105.05 (104.75 to 105.75): VD059871.D (-1274) (-)

Ion 120.05 (119.75 to 120.75): VD059871.D (-1274) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 4.850 ug/l

RT: 12.35 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

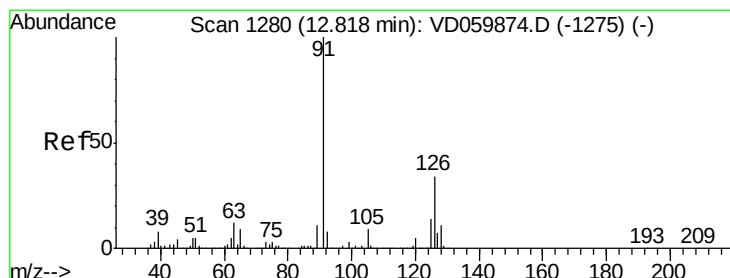
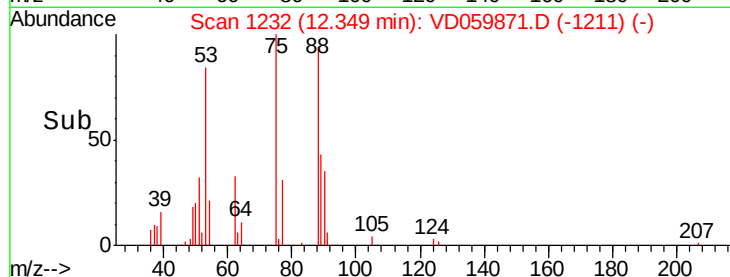
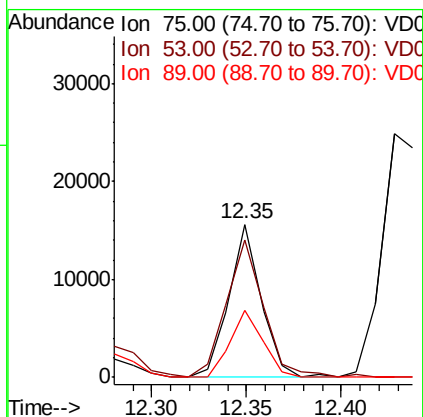
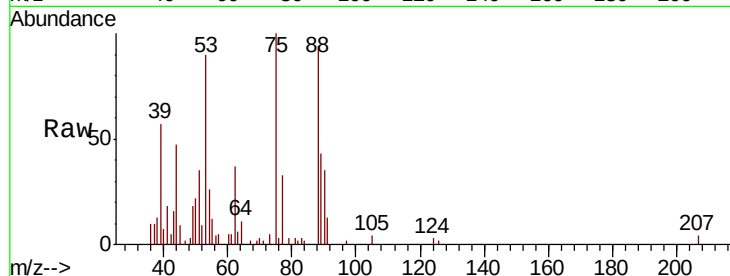
Tgt Ion: 75 Resp: 18528

Ion Ratio Lower Upper

75 100

53 90.1 75.8 113.6

89 43.3 33.6 50.4



#82

4-Chlorotoluene

Concen: 5.643 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD059871.D

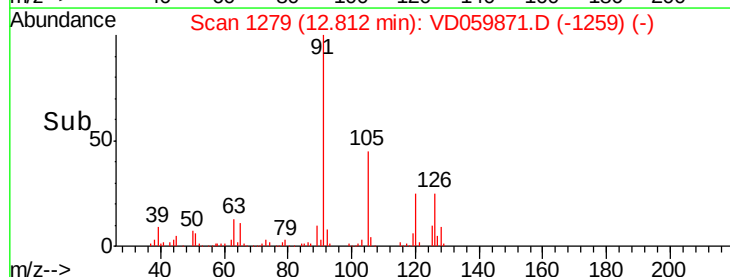
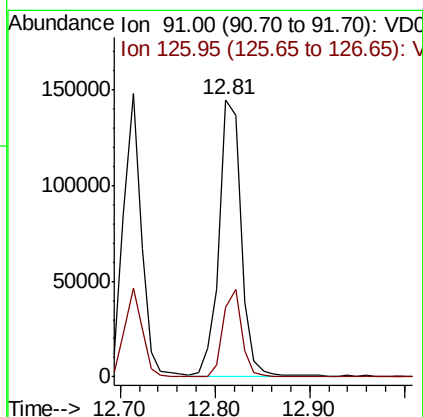
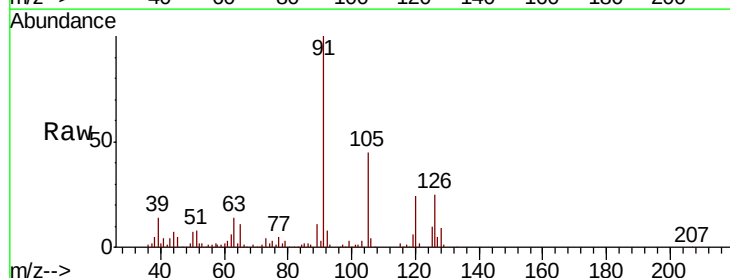
Acq: 22 Aug 2018 12:15

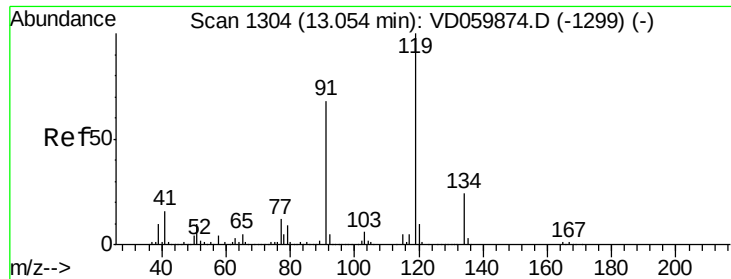
Tgt Ion: 91 Resp: 232498

Ion Ratio Lower Upper

91 100

126 25.2 17.1 51.2

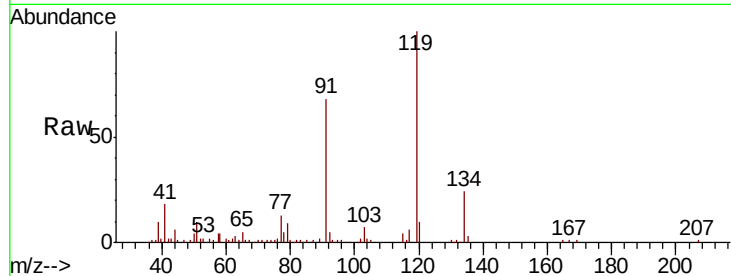




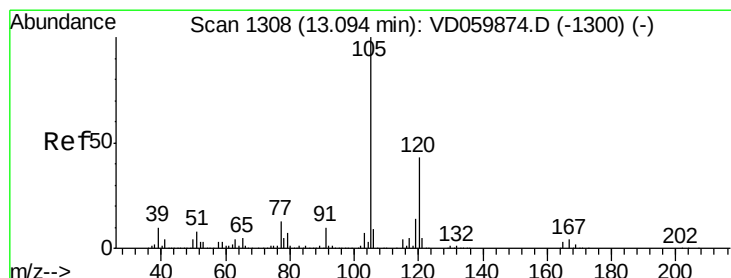
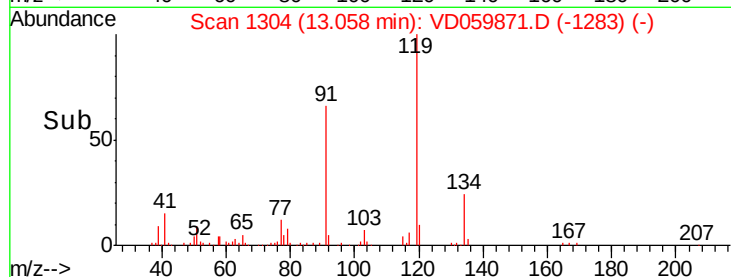
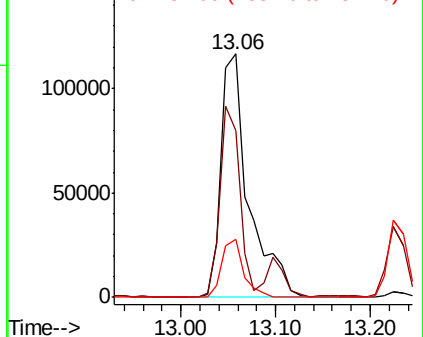
#83
 tert-Butylbenzene
 Concen: 5.183 ug/l
 RT: 13.06 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 236783
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.3 102.9
 134 23.9 11.9 35.9

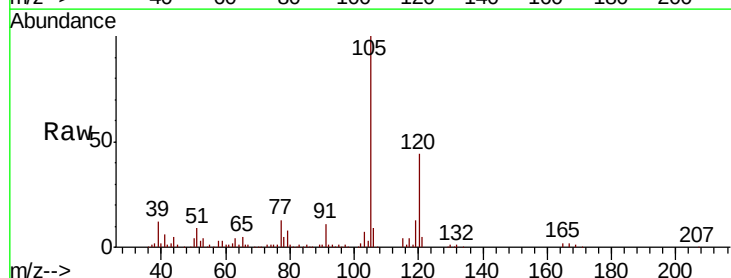


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

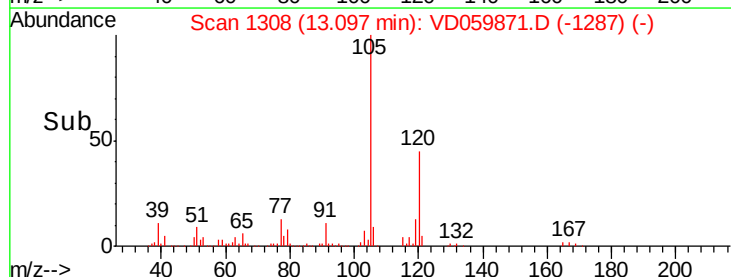
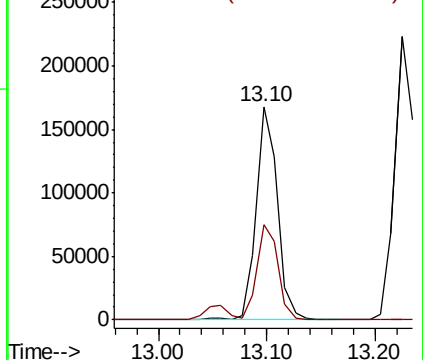


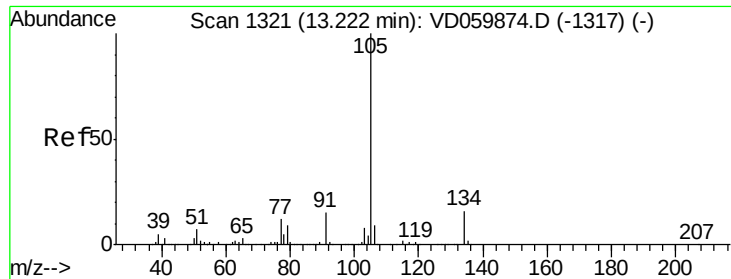
#84
 1,2,4-Trimethylbenzene
 Concen: 5.487 ug/l
 RT: 13.10 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion:105 Resp: 229351
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.8 65.3



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

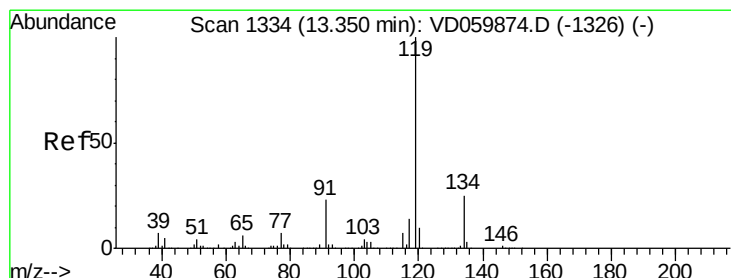
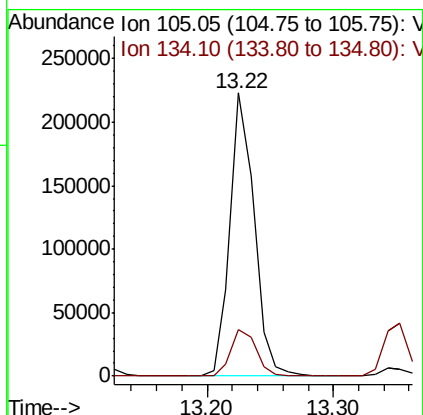
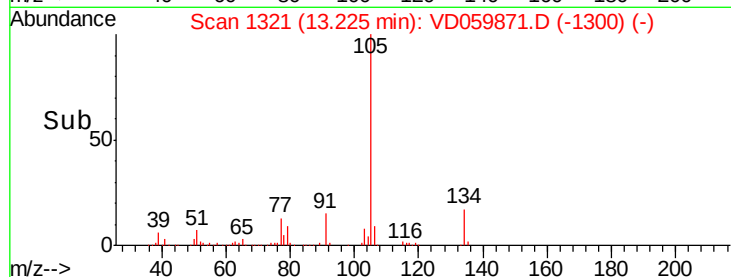
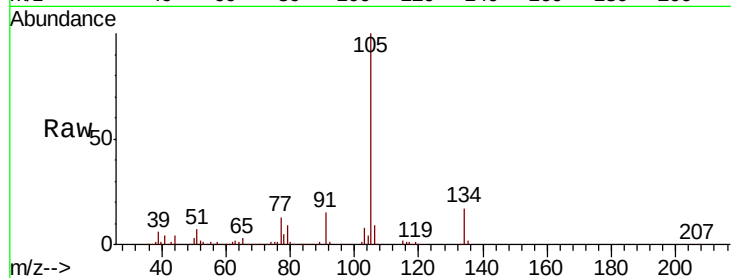




#85
 sec-Butylbenzene
 Concen: 5.443 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

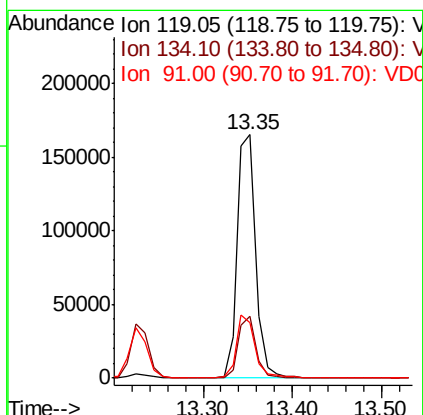
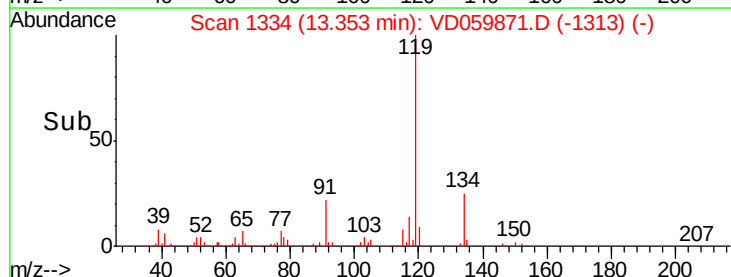
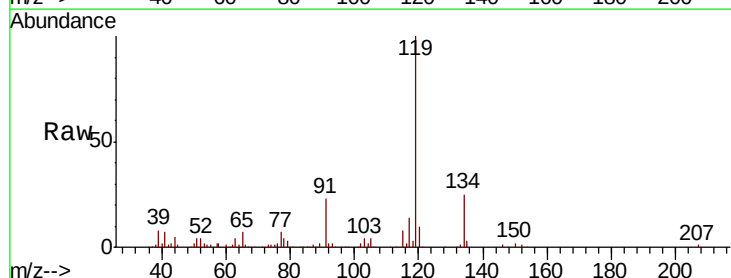
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

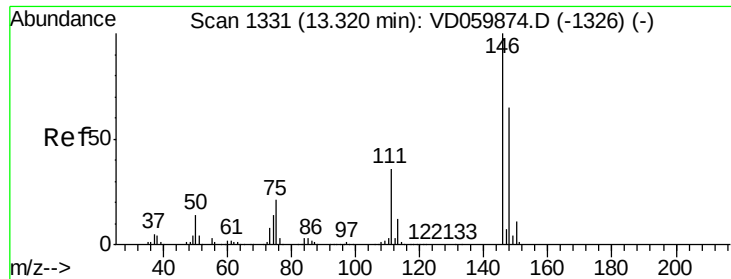
Tgt Ion:105 Resp: 292431
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 5.513 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion:119 Resp: 240854
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 22.6 11.7 35.0

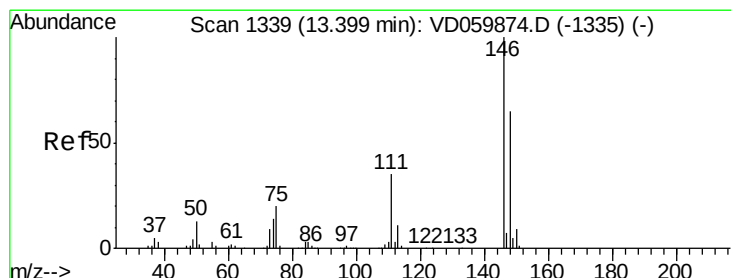
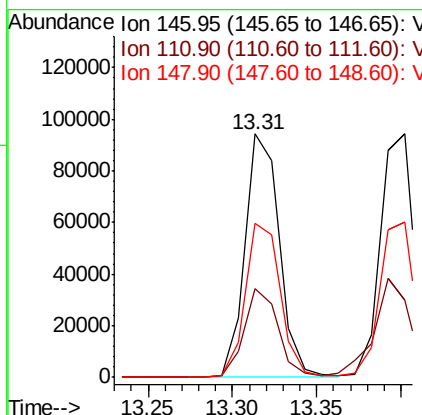
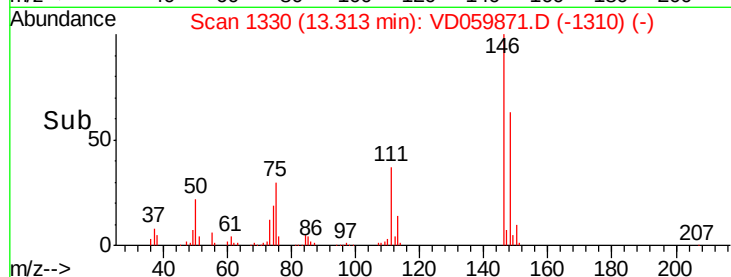
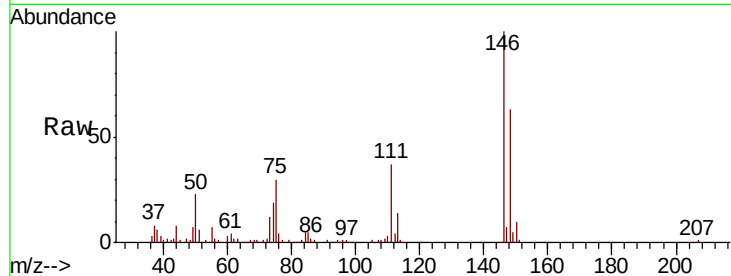




#87
 1,3-Dichlorobenzene
 Concen: 5.338 ug/l
 RT: 13.31 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

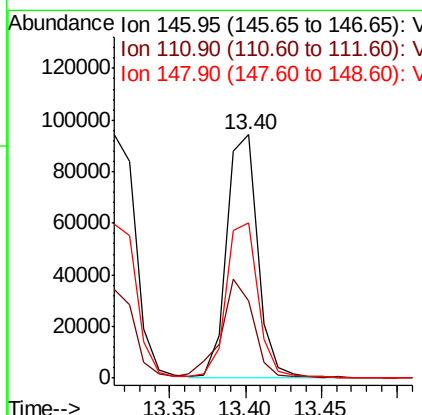
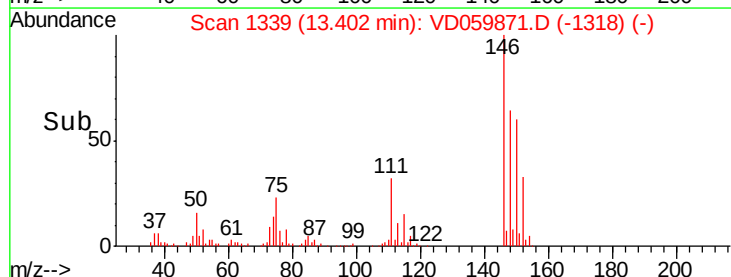
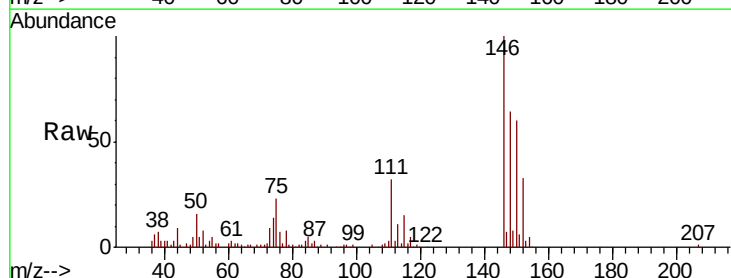
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

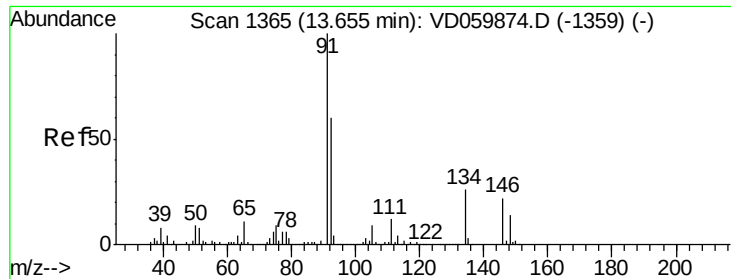
Tgt Ion:146 Resp: 133279
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.9 53.7
 148 63.5 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 5.403 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion:146 Resp: 134586
 Ion Ratio Lower Upper
 146 100
 111 31.7 17.5 52.6
 148 63.8 32.5 97.5





#89

n-Butylbenzene

Concen: 4.406 ug/l

RT: 13.66 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD059871.D

Acq: 22 Aug 2018 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

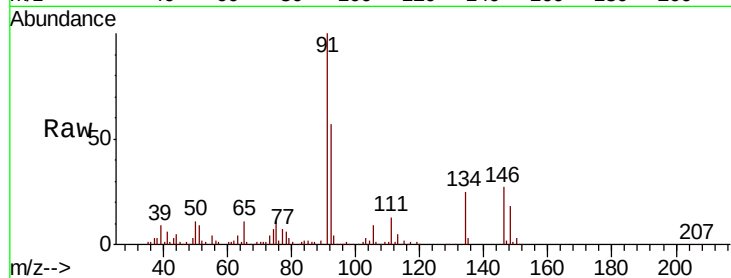
Tgt Ion: 91 Resp: 254778

Ion Ratio Lower Upper

91 100

92 57.5 30.0 90.1

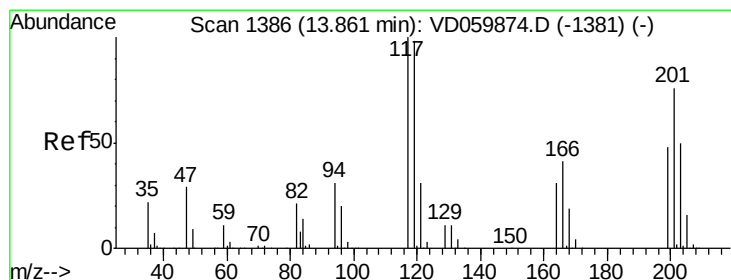
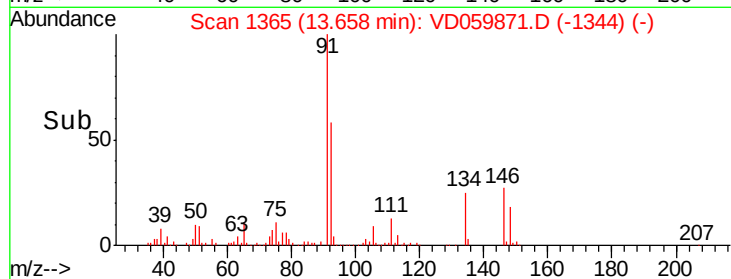
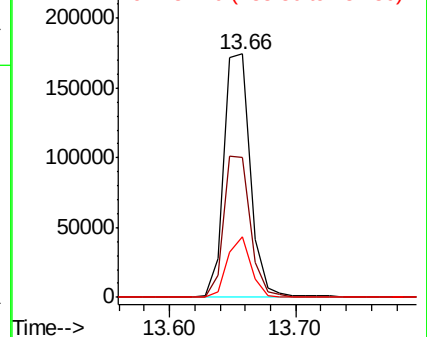
134 24.9 12.8 38.4



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): VDC



#90

Hexachloroethane

Concen: 5.137 ug/l

RT: 13.86 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VD059871.D

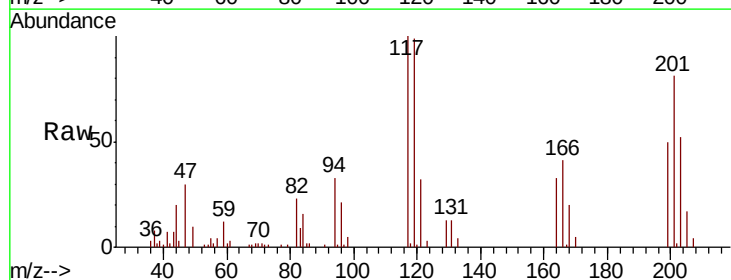
Acq: 22 Aug 2018 12:15

Tgt Ion: 117 Resp: 60267

Ion Ratio Lower Upper

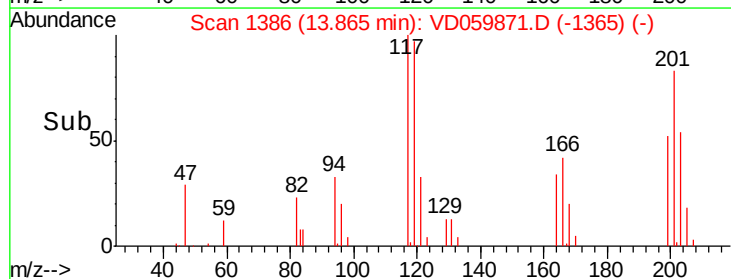
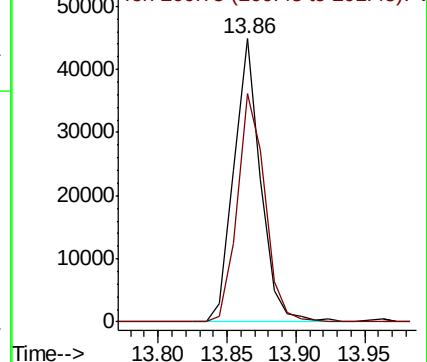
117 100

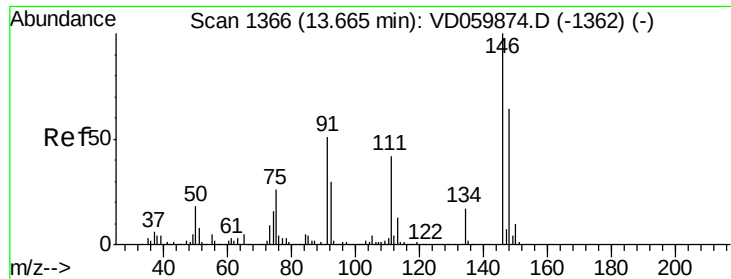
201 80.8 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

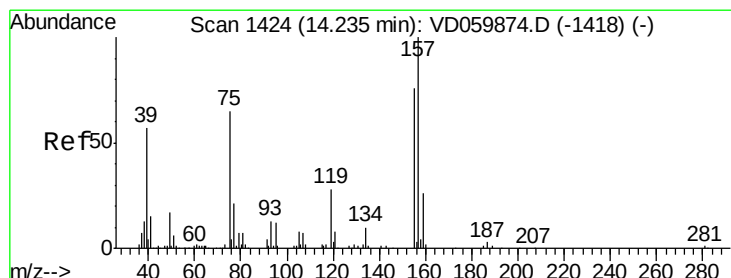
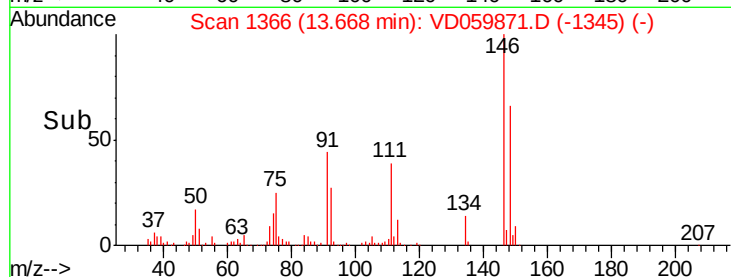
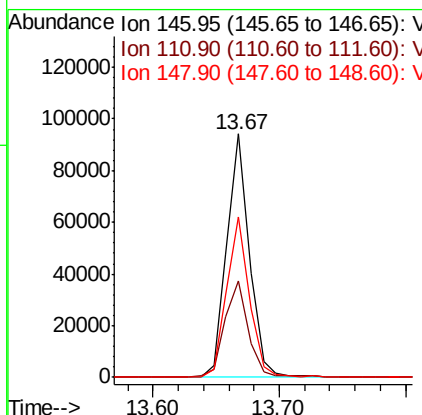
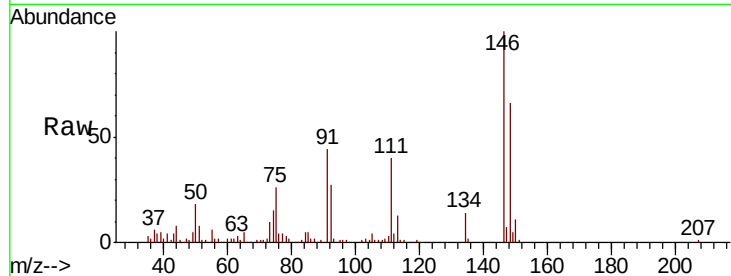




#91
 1,2-Dichlorobenzene
 Concen: 5.466 ug/l
 RT: 13.67 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

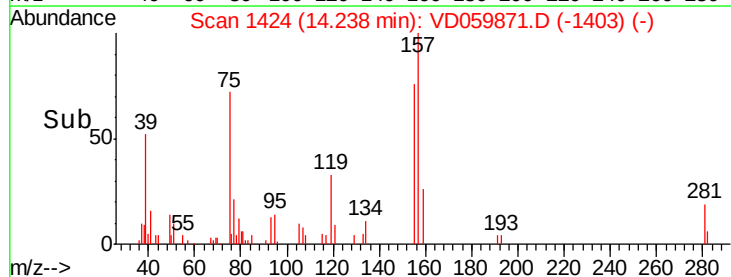
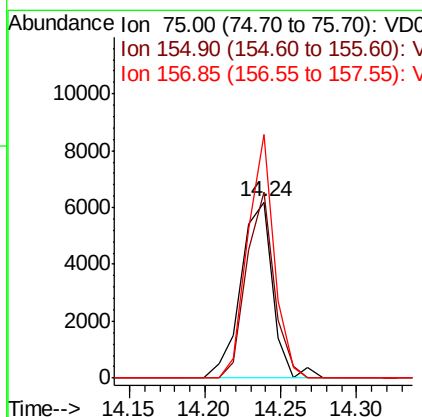
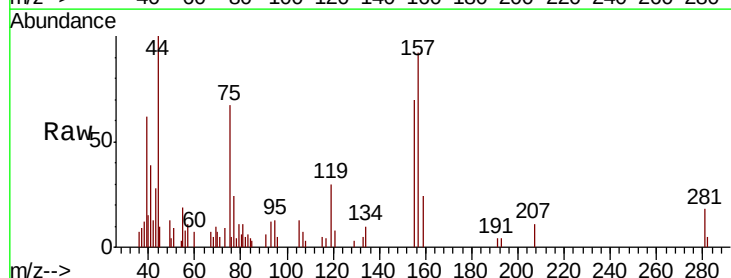
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

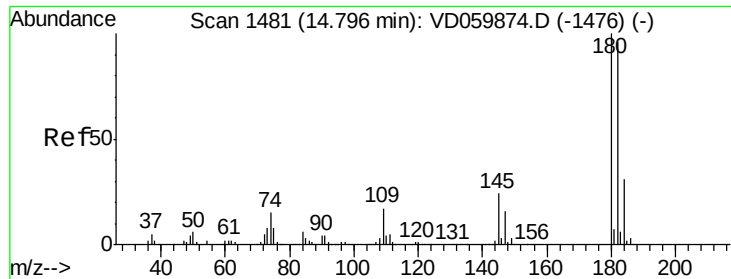
Tgt Ion:146 Resp: 116044
 Ion Ratio Lower Upper
 146 100
 111 39.7 21.1 63.1
 148 65.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.068 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion: 75 Resp: 9091
 Ion Ratio Lower Upper
 75 100
 155 105.6 58.2 174.6
 157 138.3 76.8 230.4

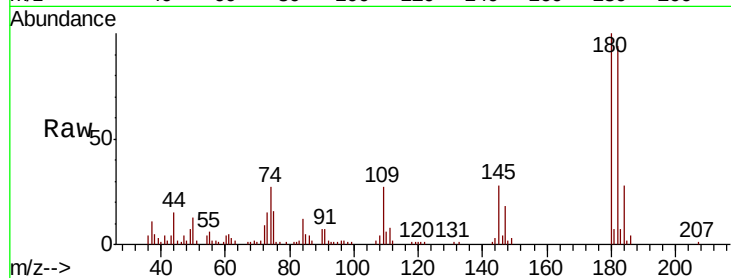




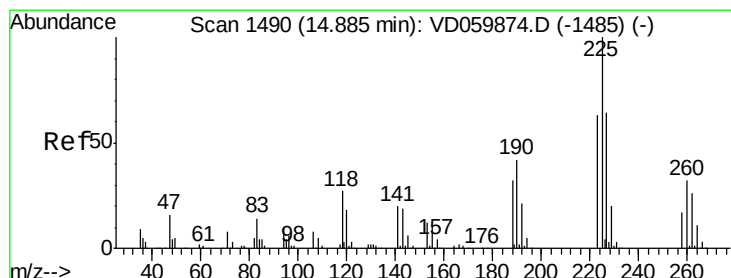
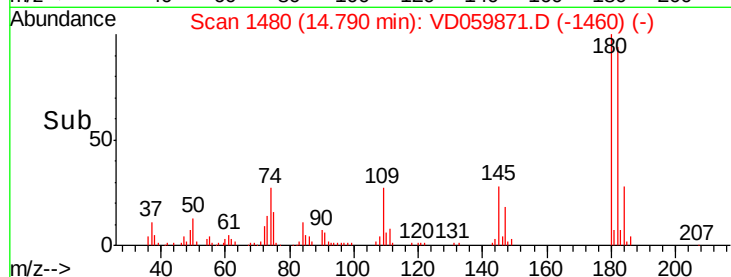
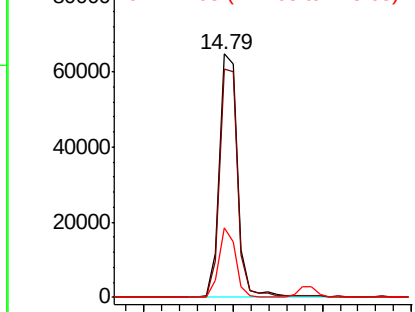
#93
 1,2,4-Trichlorobenzene
 Concen: 5.152 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 93652
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.9 143.7
 145 28.3 12.2 36.4

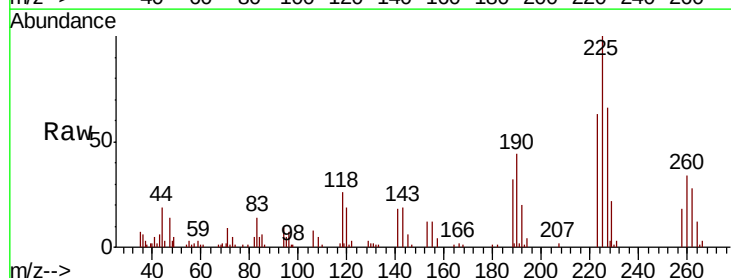


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

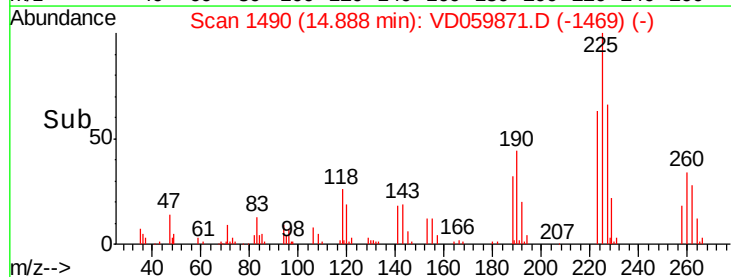
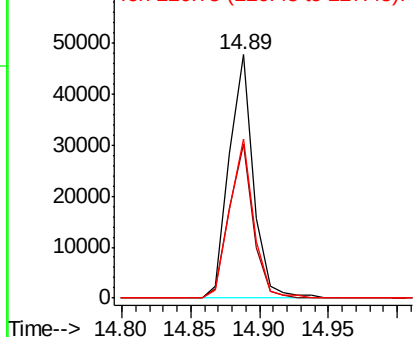


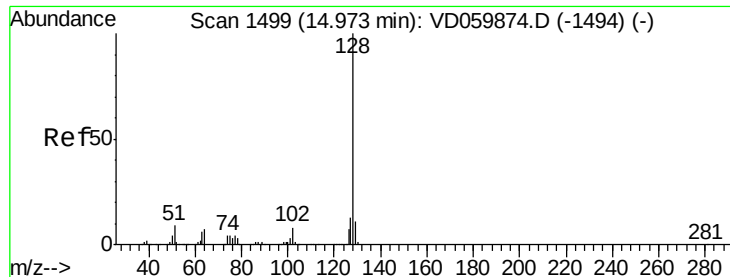
#94
 Hexachlorobutadiene
 Concen: 4.886 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059871.D
 Acq: 22 Aug 2018 12:15

Tgt Ion:225 Resp: 58218
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.6 94.8
 227 65.5 32.0 96.0



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

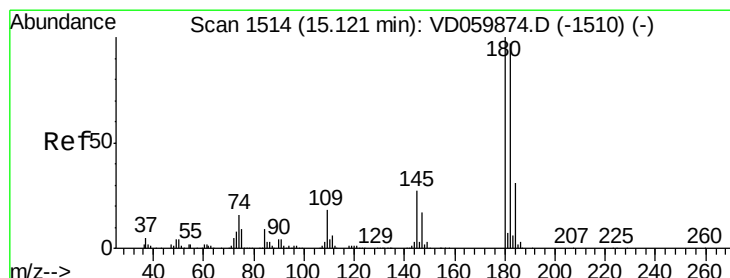
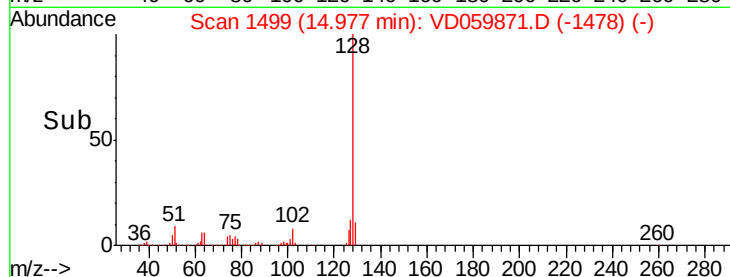
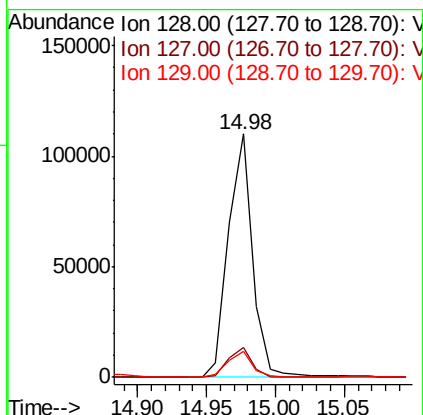
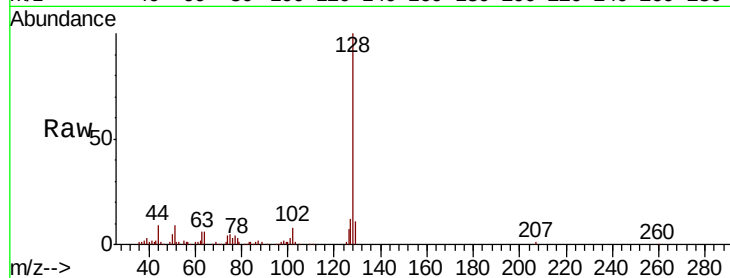




#95
Naphthalene
Concen: 4.853 ug/l
RT: 14.98 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	10.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.913 ug/l
RT: 15.12 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD059871.D
Acq: 22 Aug 2018 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.6	145.8
145	26.7	13.6	40.8

