

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059962.D
 Acq On : 5 Sep 2018 11:51
 Operator : JC/SY
 Sample : VD0905SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Quant Time: Sep 05 14:47:20 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	6.38	168	1293355	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1723526	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1467298	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	775119	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	510642	46.84	ug/l	-0.03
Spiked Amount						
			Recovery	=	93.68%	
35) Dibromofluoromethane	6.30	113	688171	50.93	ug/l	-0.03
Spiked Amount						
			Recovery	=	101.86%	
50) Toluene-d8	9.44	98	1859196	49.58	ug/l	-0.02
Spiked Amount						
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.42	95	754428	49.53	ug/l	-0.01
Spiked Amount						
			Recovery	=	99.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	192236	16.63	ug/l	98
3) Chloromethane	1.74	50	167611	16.00	ug/l	95
4) Vinyl Chloride	1.83	62	137195	16.71	ug/l	97
5) Bromomethane	2.12	94	12158	8.57	ug/l	100
6) Chloroethane	2.23	64	36530	12.25	ug/l	91
7) Trichlorofluoromethane	2.47	101	178524	18.79	ug/l	98
8) Diethyl Ether	2.80	74	40119	18.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.05	101	121334	20.85	ug/l	93
10) Methyl Iodide	3.21	142	89455	16.90	ug/l	97
11) Tert butyl alcohol	3.96	59	83090	99.90	ug/l #	95
12) 1,1-Dichloroethene	3.04	96	88874	19.62	ug/l	94
13) Acrolein	2.95	56	17976	49.83	ug/l	100
14) Allyl chloride	3.51	41	193155	18.85	ug/l	96
15) Acrylonitrile	4.06	53	298428	95.81	ug/l	100
16) Acetone	3.13	43	186035	93.67	ug/l	96
17) Carbon Disulfide	3.28	76	203642	14.48	ug/l	100
18) Methyl Acetate	3.52	43	70071	16.90	ug/l #	93
19) Methyl tert-butyl Ether	4.10	73	487036	19.01	ug/l	96
20) Methylene Chloride	3.68	84	365886	25.80	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	221398	17.74	ug/l	96
22) Diisopropyl ether	4.82	45	1024771	19.61	ug/l	99
23) Vinyl Acetate	4.77	43	3002696	102.78	ug/l	100
24) 1,1-Dichloroethane	4.73	63	440880	19.53	ug/l	100
25) 2-Butanone	5.59	43	512138	87.07	ug/l	97
26) 2,2-Dichloropropane	5.55	77	371483	19.68	ug/l	95
27) cis-1,2-Dichloroethene	5.56	96	274701	20.10	ug/l	96
28) Bromochloromethane	5.90	49	217168	20.07	ug/l	92
29) Tetrahydrofuran	5.93	42	286354	102.26	ug/l	99
30) Chloroform	6.07	83	472206	20.58	ug/l	97
31) Cyclohexane	6.34	56	359487	17.32	ug/l	97
32) 1,1,1-Trichloroethane	6.26	97	368461	18.92	ug/l	98
36) 1,1-Dichloropropene	6.50	75	326794	20.92	ug/l	99
37) Ethyl Acetate	5.67	43	244638	20.12	ug/l	100
38) Carbon Tetrachloride	6.47	117	313169	19.86	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059962.D
 Acq On : 5 Sep 2018 11:51
 Operator : JC/SY
 Sample : VD0905SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	320015	18.96	ug/l	99
40) Benzene	6.77	78	822665	20.25	ug/l	99
41) Methacrylonitrile	5.93	41	284340	46.43	ug/l #	79
42) 1,2-Dichloroethane	6.87	62	264650	20.29	ug/l	100
43) Isopropyl Acetate	8.33	43	326950	20.67	ug/l	100
44) Trichloroethene	7.72	130	244427	20.43	ug/l	98
45) 1,2-Dichloropropane	8.08	63	236823	20.86	ug/l	100
46) Dibromomethane	8.19	93	148107	20.28	ug/l	99
47) Bromodichloromethane	8.46	83	339666	20.55	ug/l	98
48) Methyl methacrylate	8.23	41	188278	20.42	ug/l	98
49) 1,4-Dioxane	8.21	88	36259	440.48	ug/l #	87
51) 4-Methyl-2-Pentanone	9.32	43	1078041	91.42	ug/l	95
52) Toluene	9.53	92	533858	20.49	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	310171	20.29	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	366167	20.66	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	195190	20.50	ug/l	98
56) Ethyl methacrylate	10.01	69	223373	20.33	ug/l	98
57) 1,3-Dichloropropane	10.36	76	290156	21.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	622466	118.07	ug/l	98
59) 2-Hexanone	10.47	43	804672	92.52	ug/l	97
60) Dibromochloromethane	10.62	129	241340	20.16	ug/l	98
61) 1,2-Dibromoethane	10.75	107	192217	19.96	ug/l	98
64) Tetrachloroethene	10.24	164	230457	20.31	ug/l	98
65) Chlorobenzene	11.30	112	622654	21.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	218462	20.51	ug/l	96
67) Ethyl Benzene	11.42	91	1024742	20.89	ug/l	98
68) m/p-Xylenes	11.55	106	750099	42.00	ug/l	95
69) o-Xylene	11.92	106	374537	21.44	ug/l	95
70) Styrene	11.95	104	631947	20.89	ug/l	99
71) Bromoform	12.11	173	174616	18.94	ug/l #	97
73) Isopropylbenzene	12.26	105	1015866	20.53	ug/l	99
74) N-amyl acetate	12.13	43	420666	19.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	236036	20.62	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	236755	19.65	ug/l	100
77) Bromobenzene	12.53	156	287850	20.98	ug/l	96
78) n-propylbenzene	12.63	91	1323865	21.13	ug/l	98
79) 2-Chlorotoluene	12.70	91	738082	20.83	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	820997	20.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	68860	18.38	ug/l	94
82) 4-Chlorotoluene	12.80	91	859229	21.26	ug/l	98
83) tert-Butylbenzene	13.04	119	929875	20.75	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	836275	20.40	ug/l	99
85) sec-Butylbenzene	13.22	105	1090206	20.69	ug/l	96
86) p-Isopropyltoluene	13.34	119	914328	21.33	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	528522	21.58	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	516500	21.14	ug/l	98
89) n-Butylbenzene	13.64	91	957926	20.73	ug/l	98
90) Hexachloroethane	13.85	117	212733	18.49	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	474373	22.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	31773	18.06	ug/l	92

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

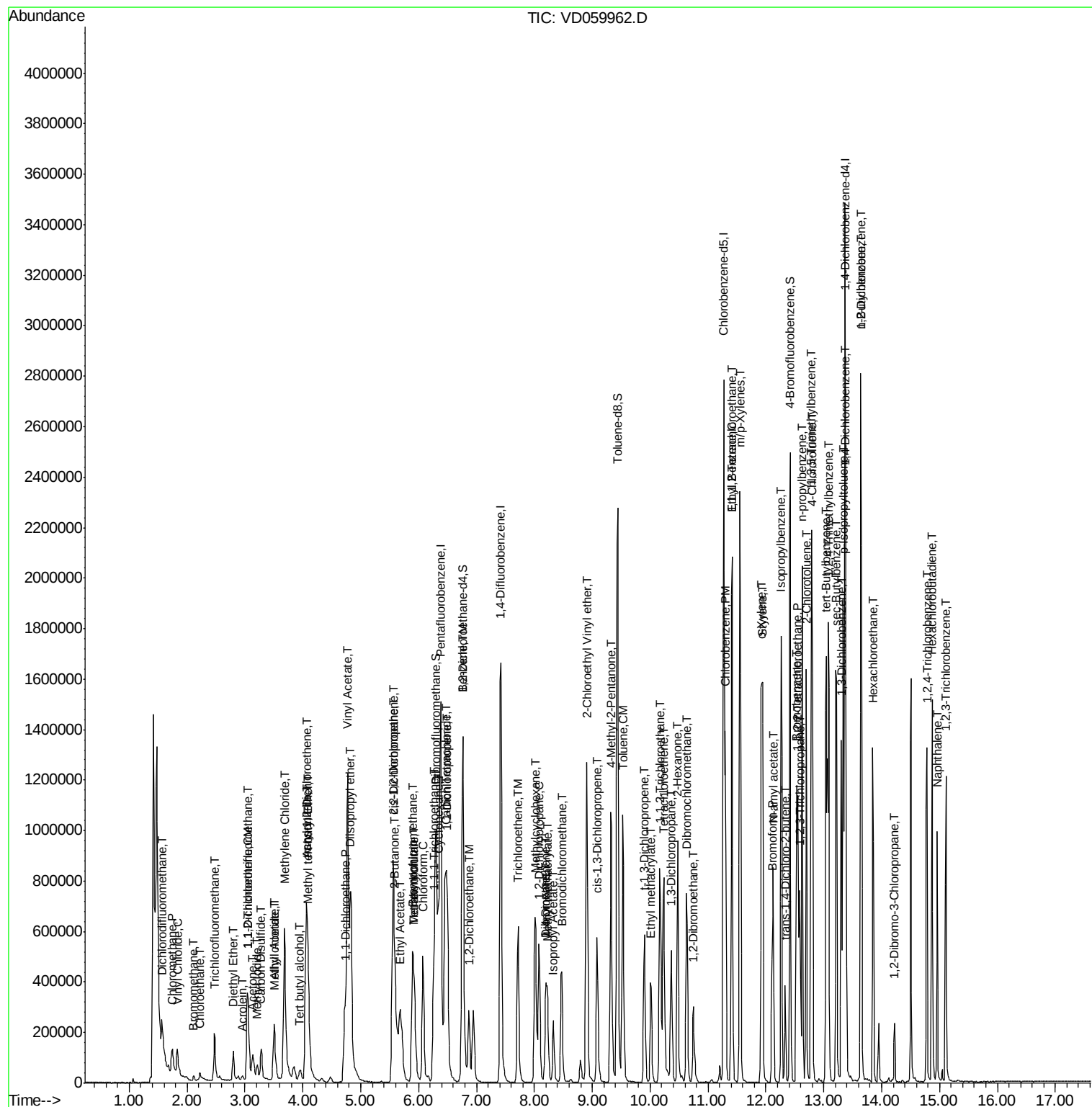
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	370434	20.78	ug/l	98
94) Hexachlorobutadiene	14.87	225	250461	21.43	ug/l	100
95) Naphthalene	14.96	128	559117	20.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	310866	20.38	ug/l	100

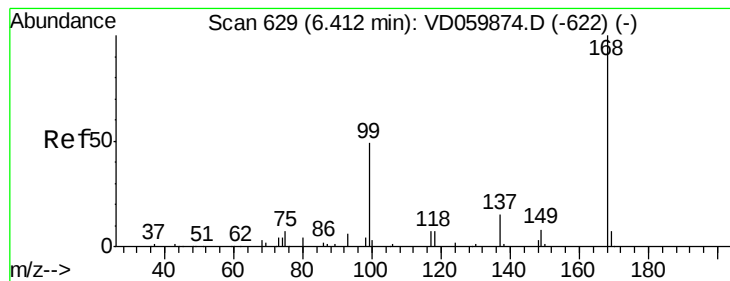
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090518\
Data File : VD059962.D
Acq On : 5 Sep 2018 11:51
Operator : JC/SY
Sample : VD0905SBS01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
VD0905SBS01

Quant Time: Sep 05 14:47:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

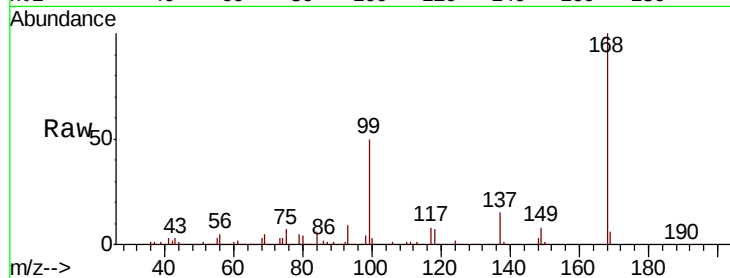
VD0905SBS01

Tot Ion:168 Resp: 1293355

Ion Ratio Lower Upper

168 100

99 50.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

500000

400000

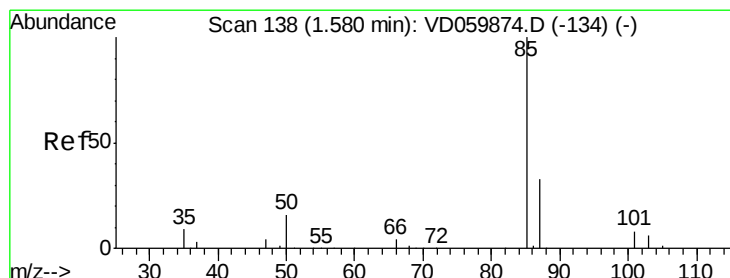
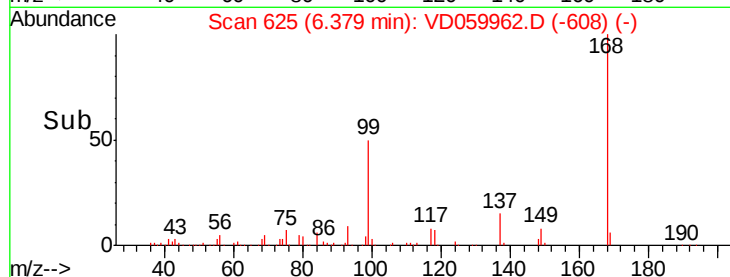
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 16.63 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059962.D

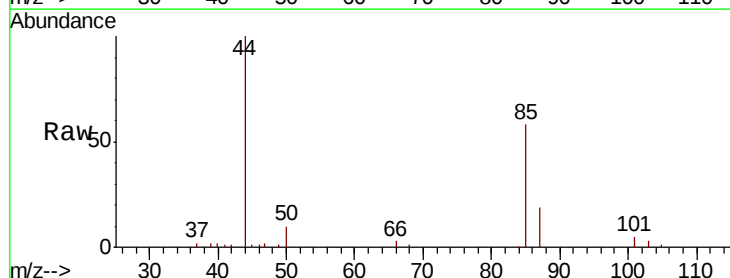
Acq: 5 Sep 2018 11:51

Tgt Ion: 85 Resp: 192236

Ion Ratio Lower Upper

85 100

87 32.3 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

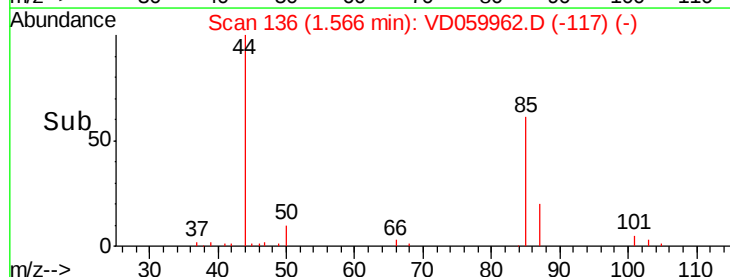
60000

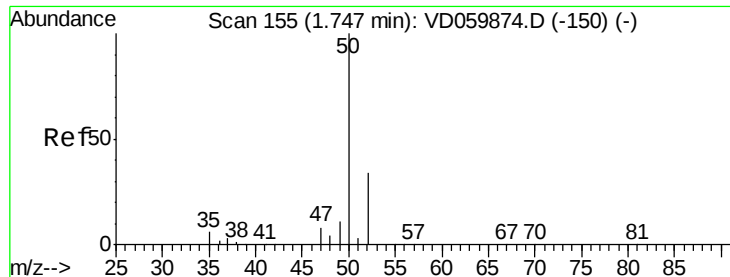
40000

20000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 16.00 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.00 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

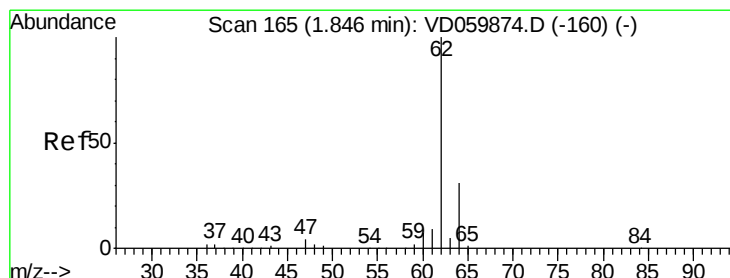
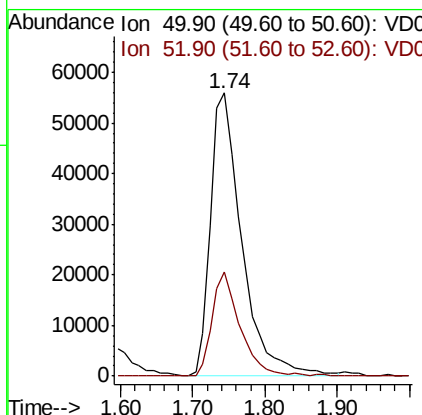
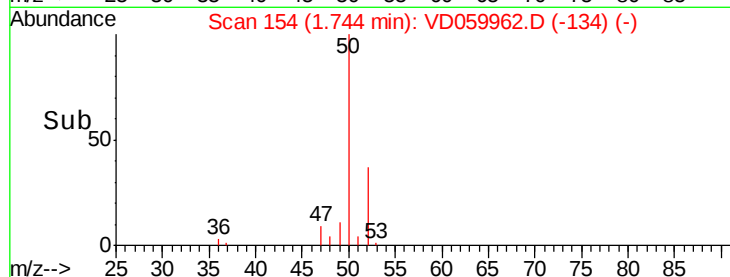
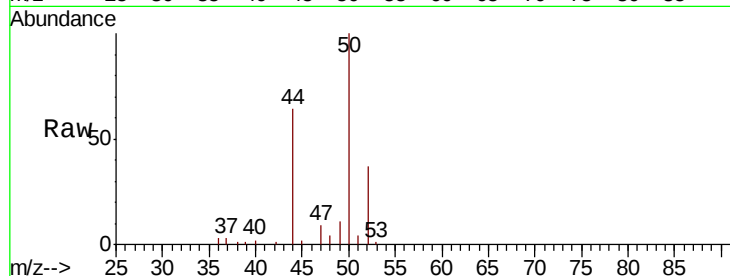
VD0905SBS01

Tot Ion: 50 Resp: 167611

Ion Ratio Lower Upper

50 100

52 36.7 27.0 40.6



#4

Vinyl Chloride

Concen: 16.71 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059962.D

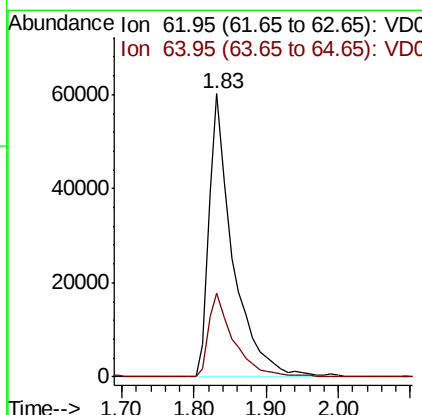
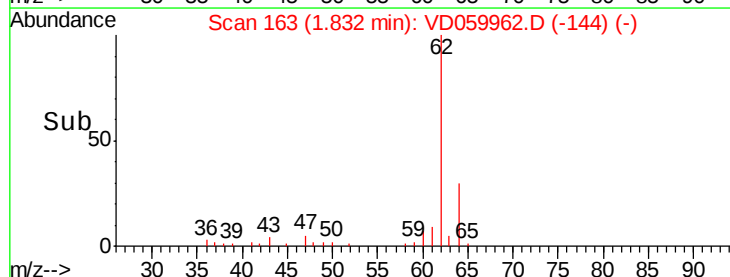
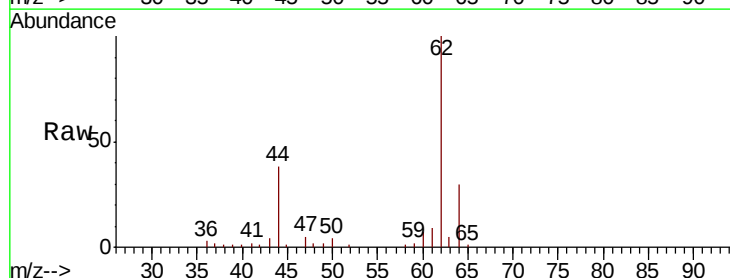
Acq: 5 Sep 2018 11:51

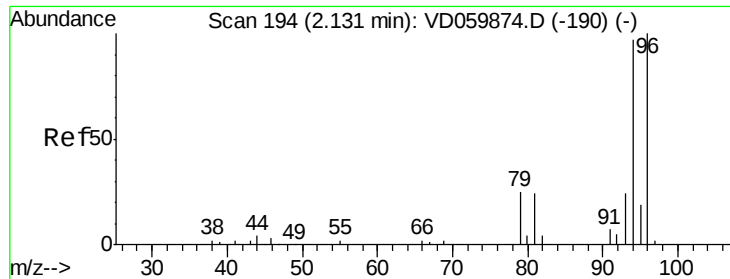
Tgt Ion: 62 Resp: 137195

Ion Ratio Lower Upper

62 100

64 29.7 25.0 37.6

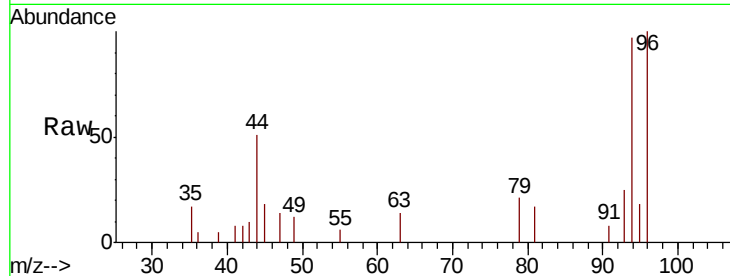




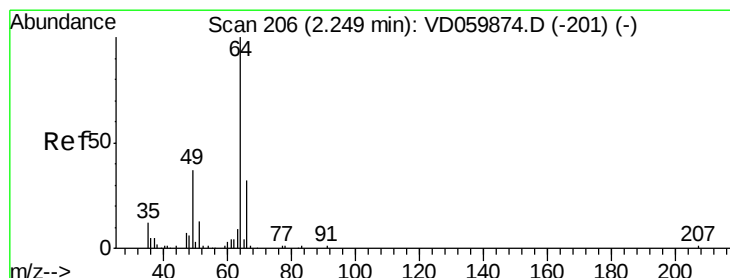
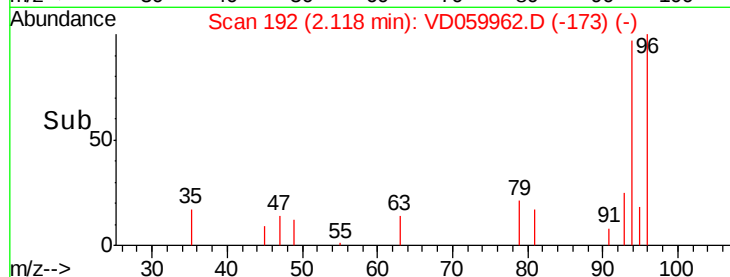
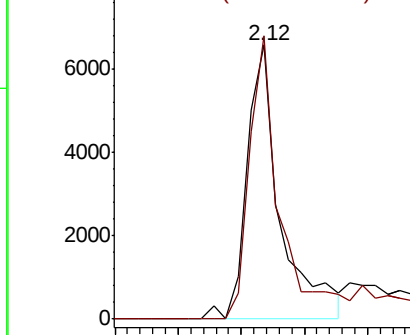
#5
Bromomethane
Concen: 8.57 ug/l
RT: 2.12 min Scan# 192
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion: 94 Resp: 12158
Ion Ratio Lower Upper
94 100
96 103.3 82.4 123.6

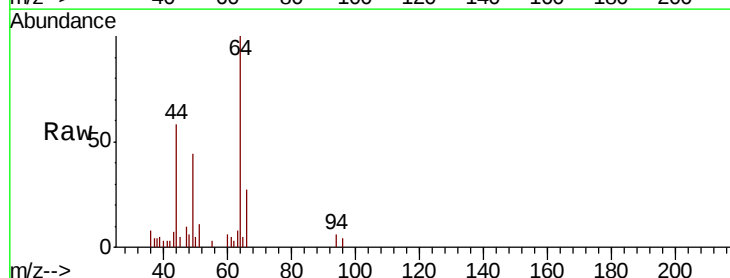


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

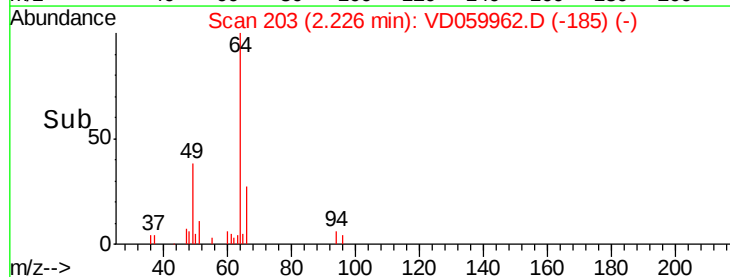
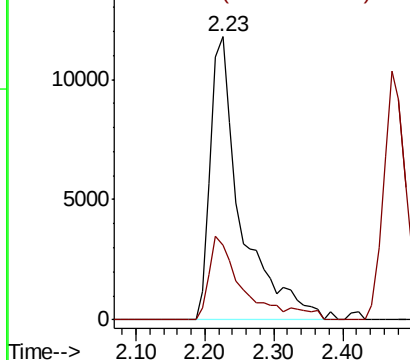


#6
Chloroethane
Concen: 12.25 ug/l
RT: 2.23 min Scan# 203
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 64 Resp: 36530
Ion Ratio Lower Upper
64 100
66 26.6 25.3 37.9



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



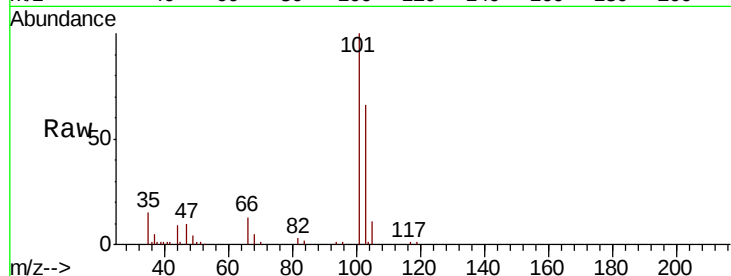


#7

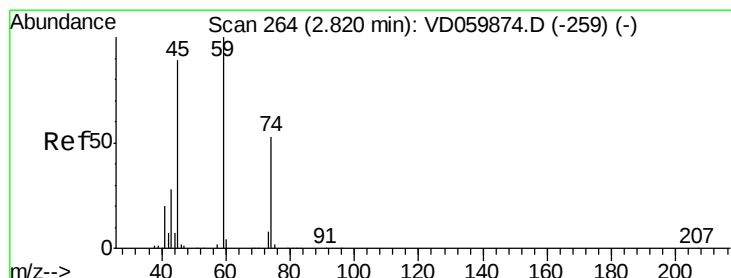
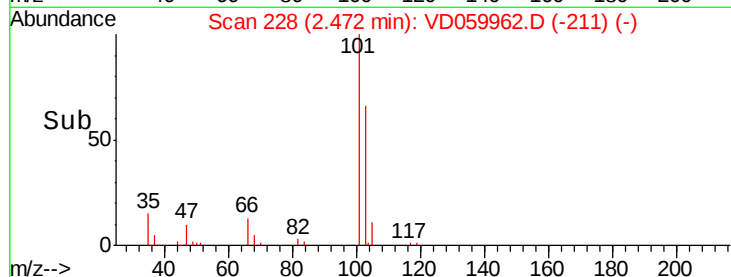
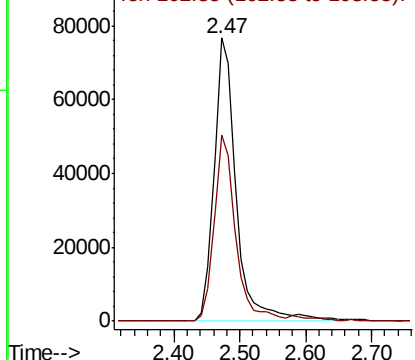
Trichlorofluoromethane
Concen: 18.79 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion:101 Resp: 178524
Ion Ratio Lower Upper
101 100
103 65.7 53.7 80.5



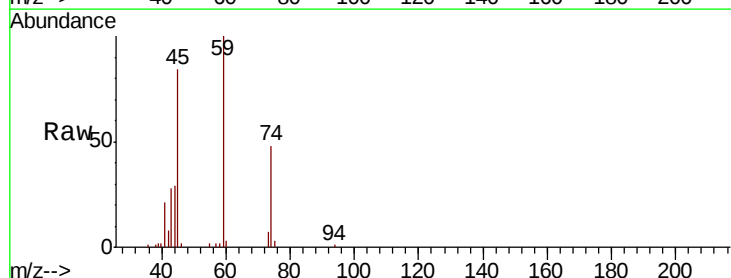
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



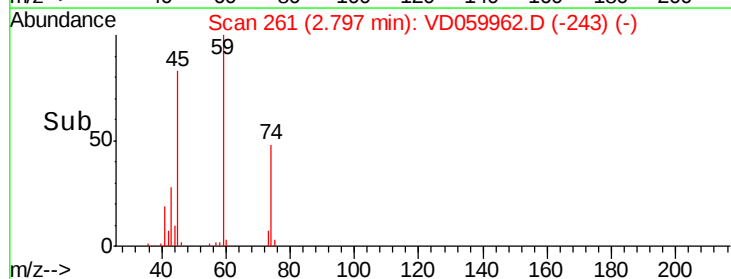
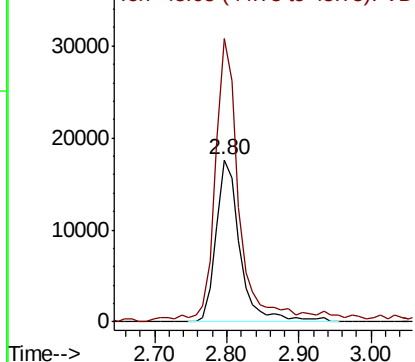
#8

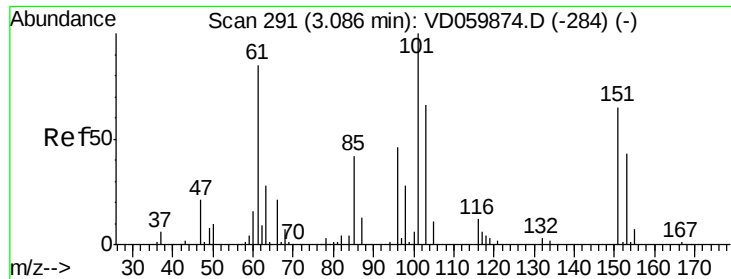
Diethyl Ether
Concen: 18.82 ug/l
RT: 2.80 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 74 Resp: 40119
Ion Ratio Lower Upper
74 100
45 174.9 85.7 257.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.85 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

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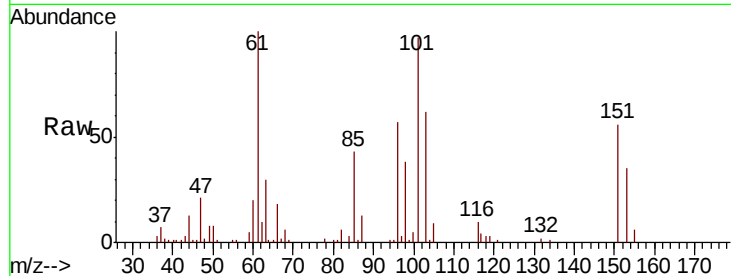
Tot Ion:101 Resp: 121334

Ion Ratio Lower Upper

101 100

85 44.0 33.6 50.4

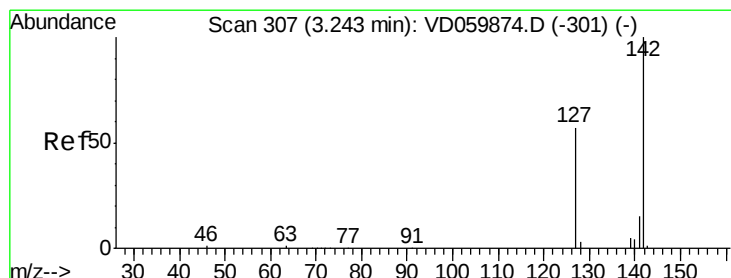
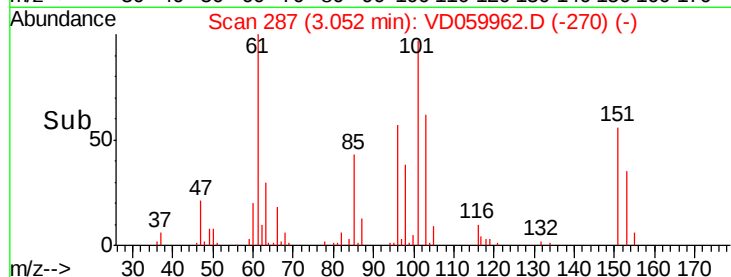
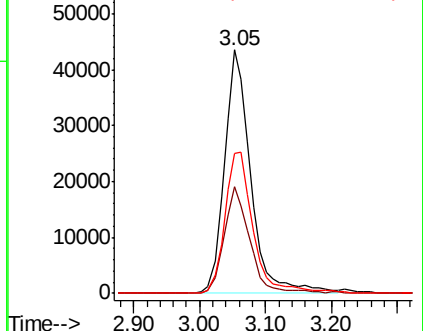
151 57.7 52.0 78.0



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: 16.90 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

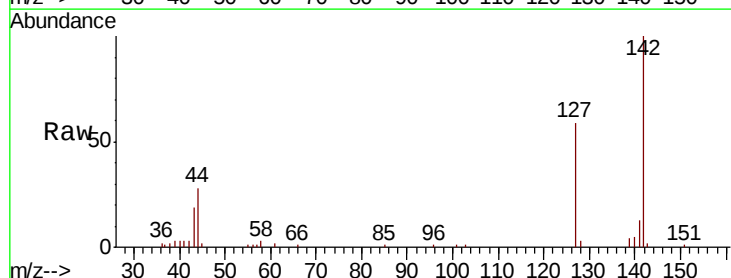
Tgt Ion:142 Resp: 89455

Ion Ratio Lower Upper

142 100

127 59.2 45.8 68.6

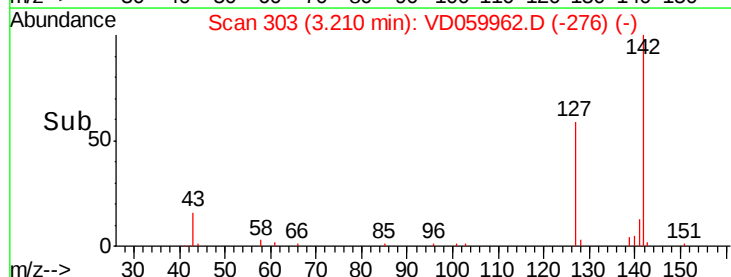
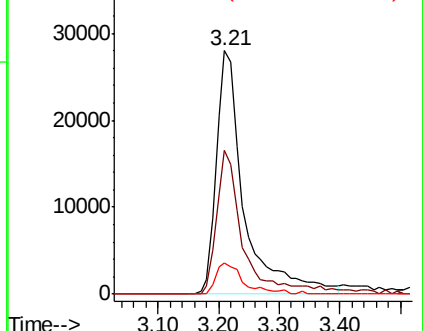
141 13.0 11.6 17.4

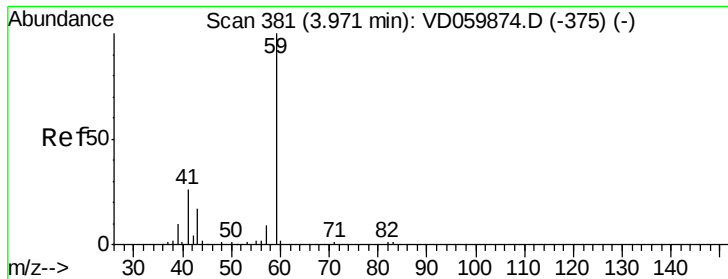


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

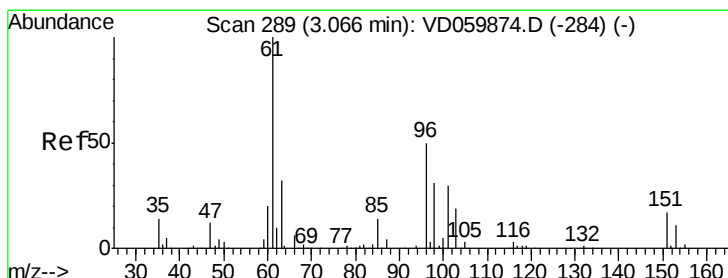
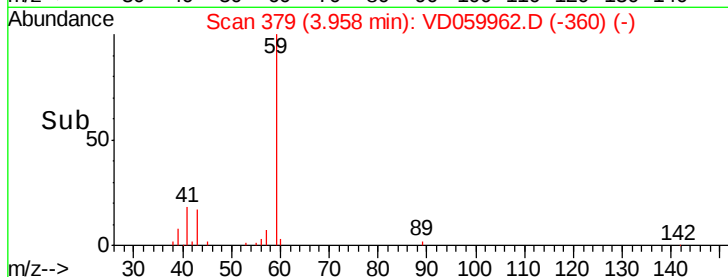
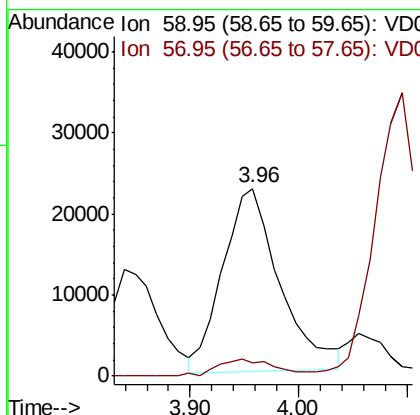
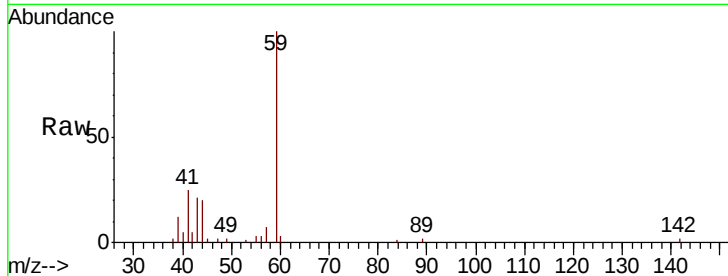




#11
Tert butyl alcohol
Concen: 99.90 ug/l
RT: 3.96 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

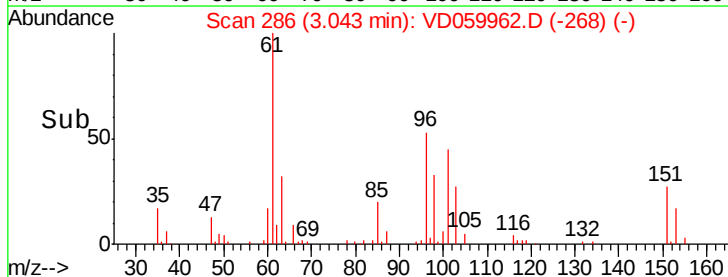
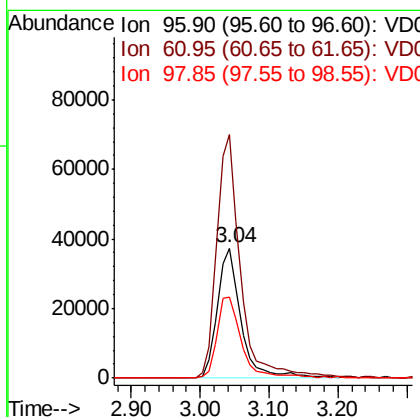
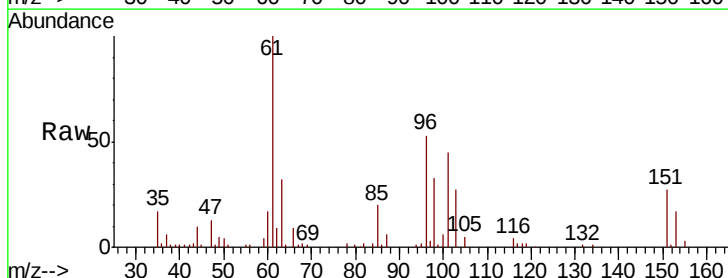
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

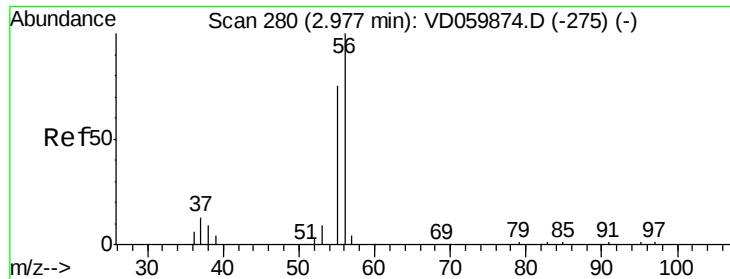
Tot Ion: 59 Resp: 83090
Ion Ratio Lower Upper
59 100
57 7.2 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 19.62 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 96 Resp: 88874
Ion Ratio Lower Upper
96 100
61 186.9 158.8 238.2
98 62.3 48.7 73.1





#13

Acrolein

Concen: 49.83 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

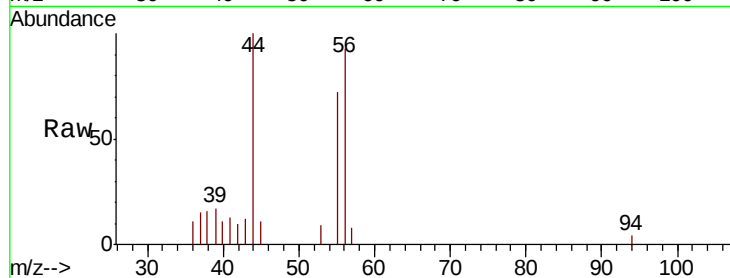
VD0905SBS01

Tot Ion: 56 Resp: 17976

Ion Ratio Lower Upper

56 100

55 77.1 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

4000

2000

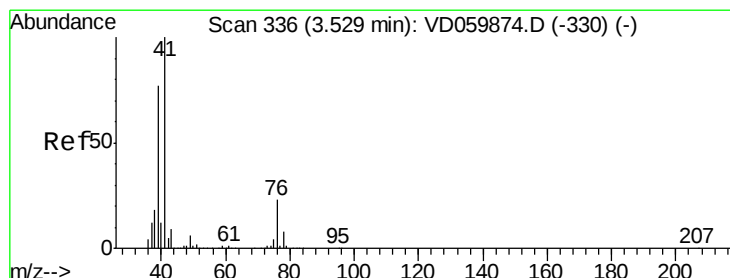
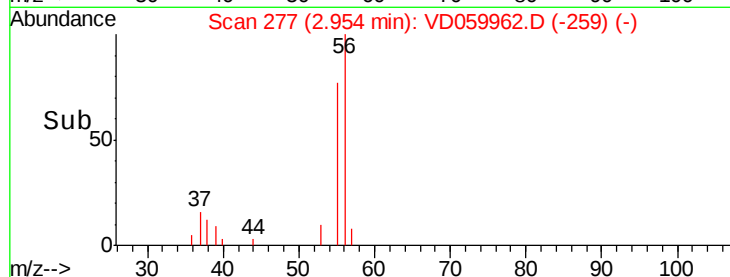
0

Time-->

2.90

3.00

3.10



#14

Allyl chloride

Concen: 18.85 ug/l

RT: 3.51 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

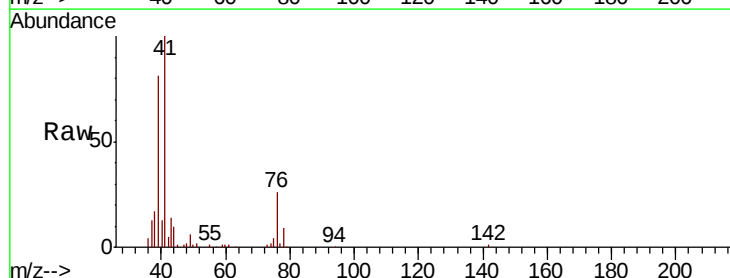
Tgt Ion: 41 Resp: 193155

Ion Ratio Lower Upper

41 100

39 80.6 61.8 92.6

76 26.4 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

40000

20000

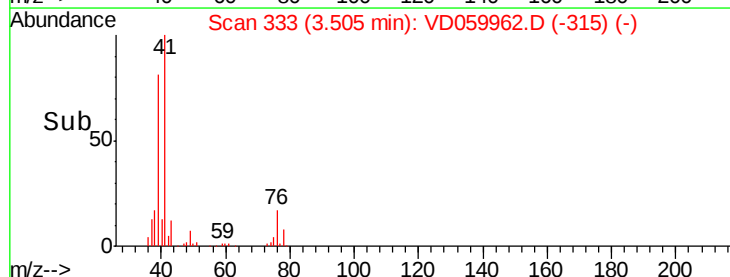
0

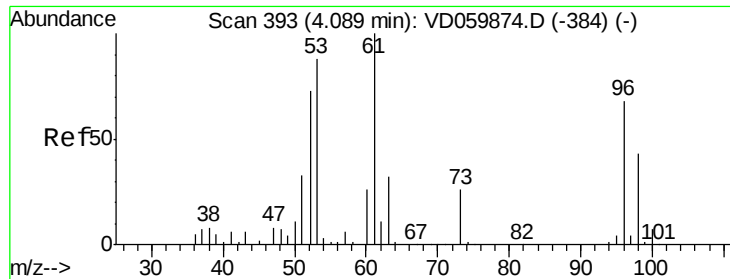
Time-->

3.40

3.50

3.60





#15

Acrylonitrile

Concen: 95.81 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

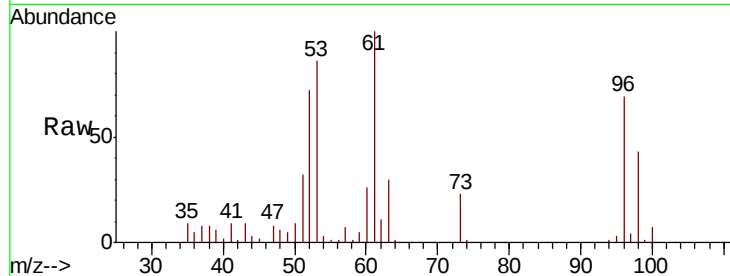
Tot Ion: 53 Resp: 298428

Ion Ratio Lower Upper

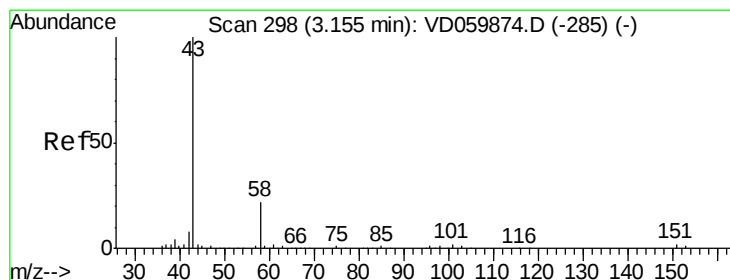
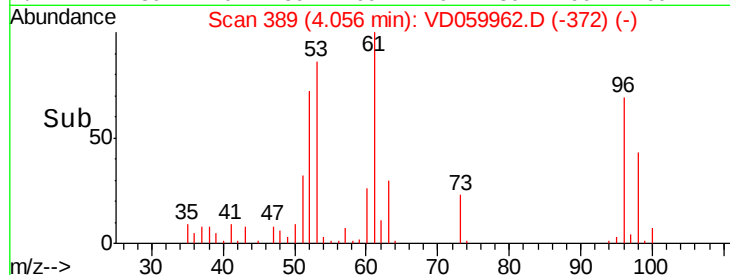
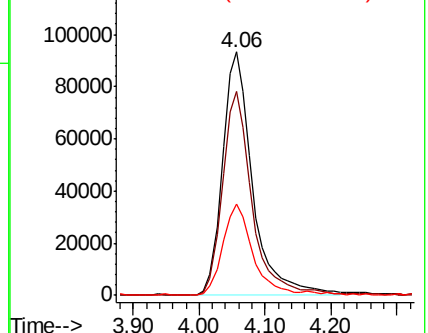
53 100

52 83.5 66.9 100.3

51 37.6 30.3 45.5



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



#16

Acetone

Concen: 93.67 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059962.D

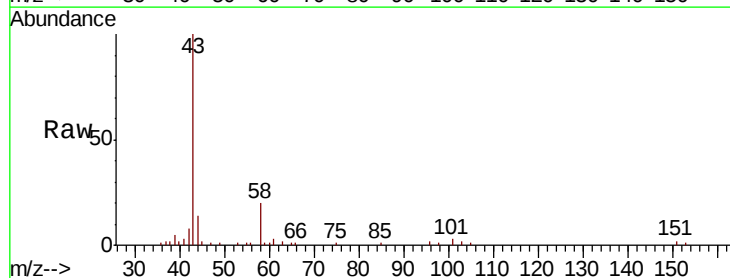
Acq: 5 Sep 2018 11:51

Tgt Ion: 43 Resp: 186035

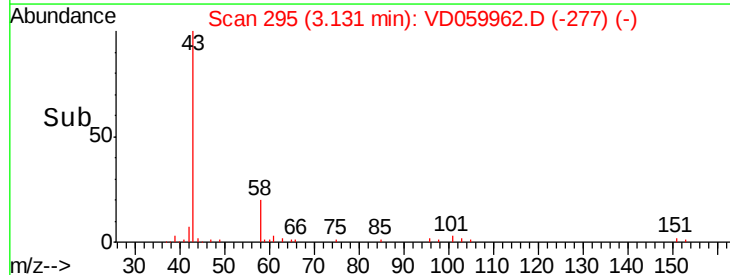
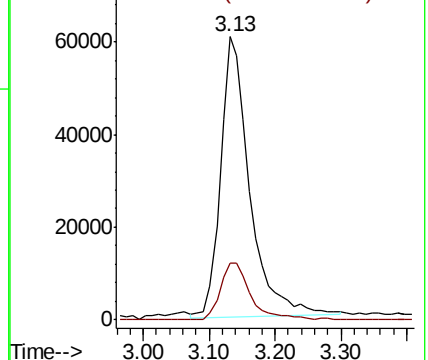
Ion Ratio Lower Upper

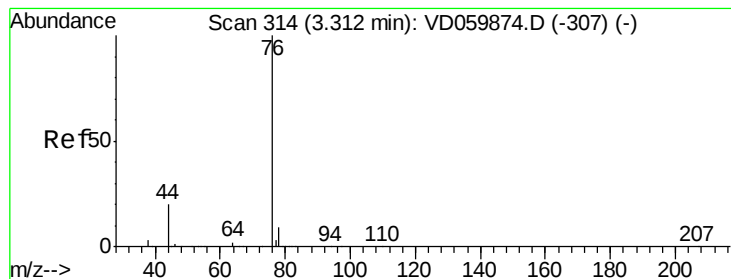
43 100

58 19.9 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: 14.48 ug/l

RT: 3.28 min Scan# 310

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

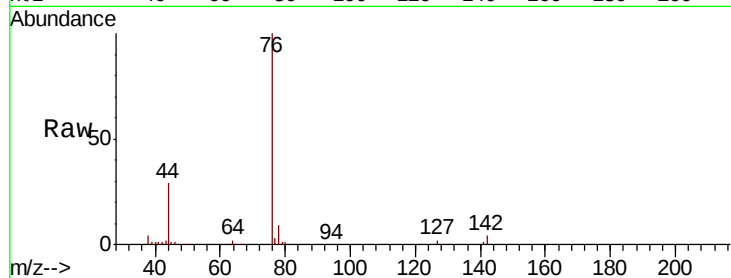
VD0905SBS01

Tot Ion: 76 Resp: 203642

Ion Ratio Lower Upper

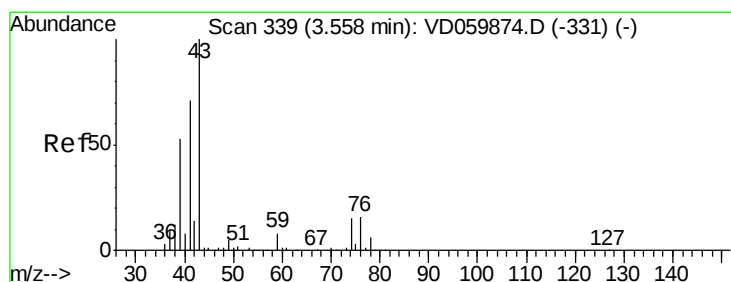
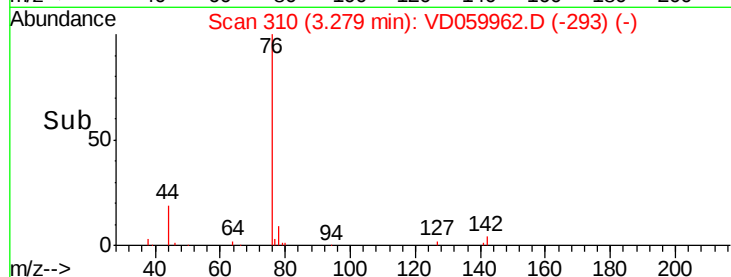
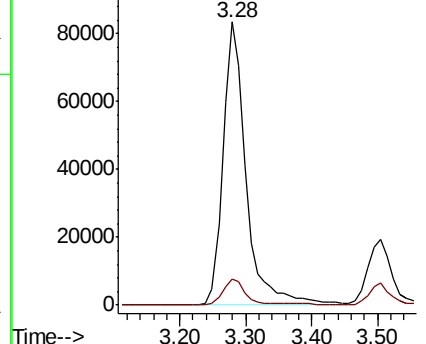
76 100

78 9.3 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: 16.90 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.03 min

Lab File: VD059962.D

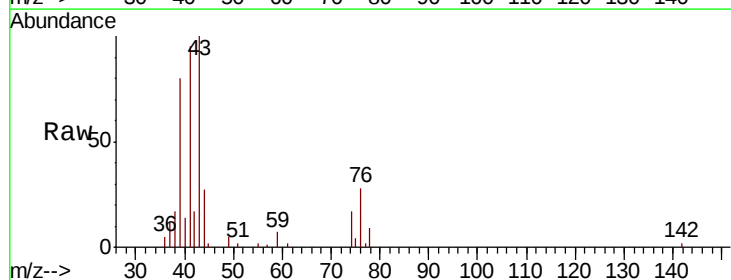
Acq: 5 Sep 2018 11:51

Tgt Ion: 43 Resp: 70071

Ion Ratio Lower Upper

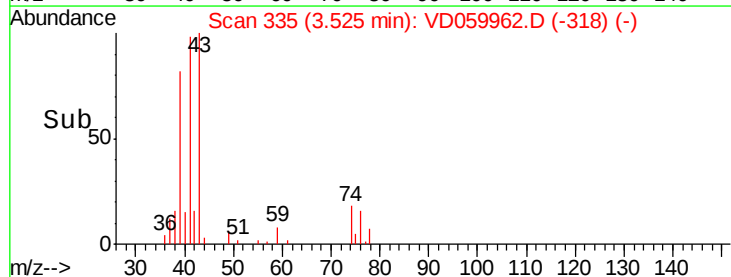
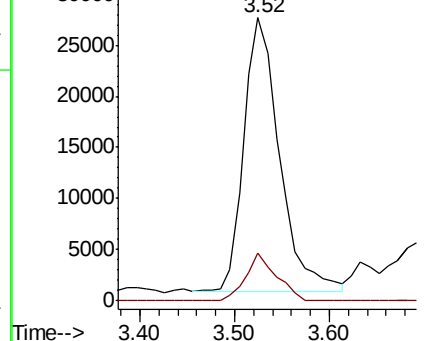
43 100

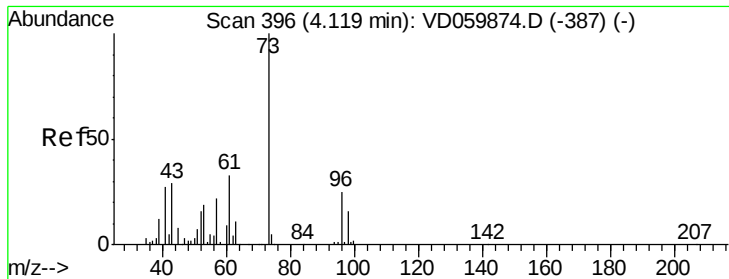
74 17.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



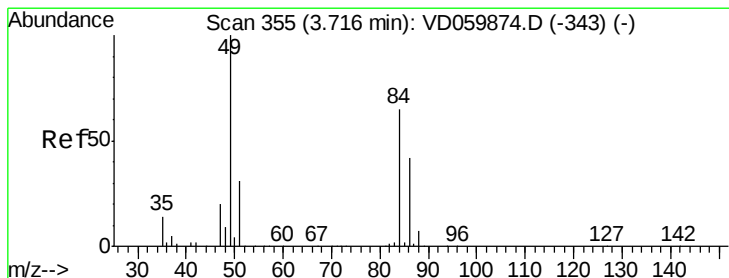
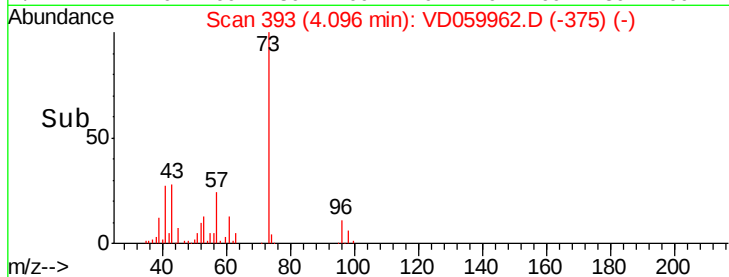
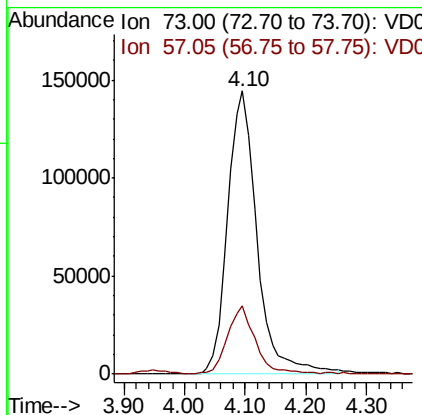
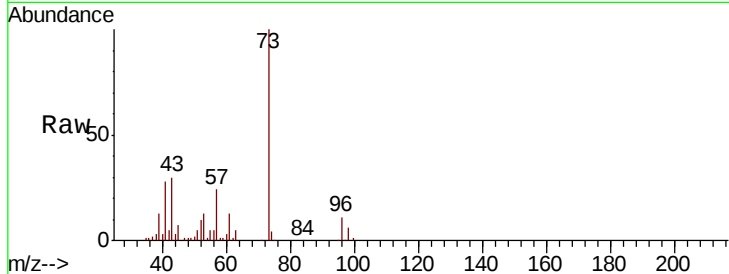


#19

Methyl tert-butyl Ether
 Concen: 19.01 ug/l
 RT: 4.10 min Scan# 393
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

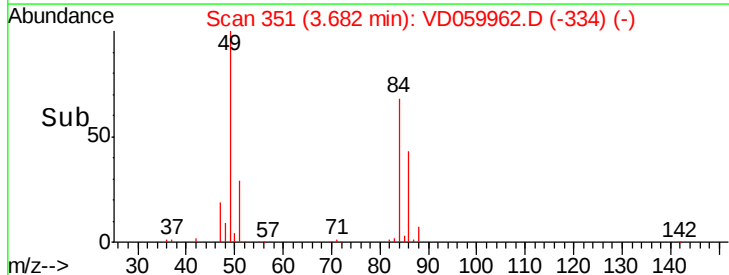
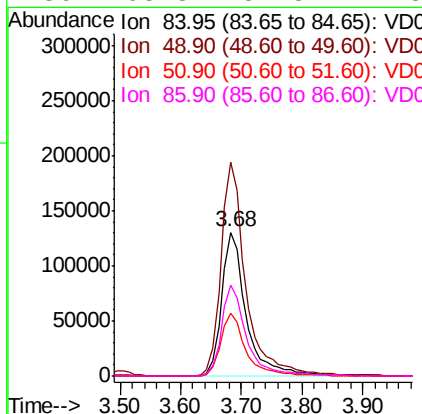
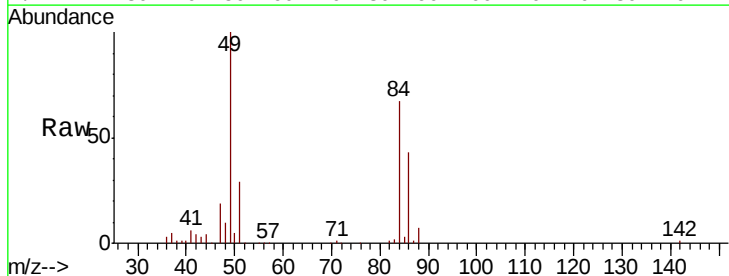
Tot Ion: 73 Resp: 487036
 Ion Ratio Lower Upper
 73 100
 57 24.2 17.9 26.9



#20

Methylene Chloride
 Concen: 25.80 ug/l
 RT: 3.68 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion: 84 Resp: 365886
 Ion Ratio Lower Upper
 84 100
 49 148.7 122.6 183.8
 51 43.7 38.4 57.6
 86 63.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 17.74 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

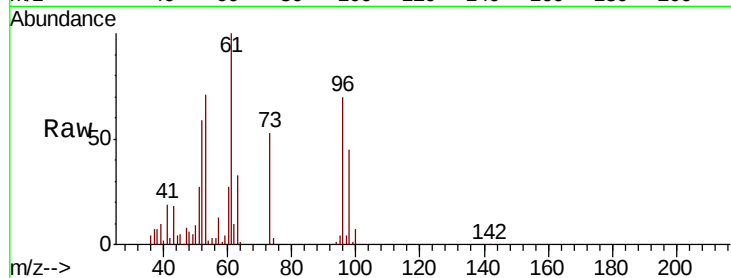
Tot Ion: 96 Resp: 221398

Ion Ratio Lower Upper

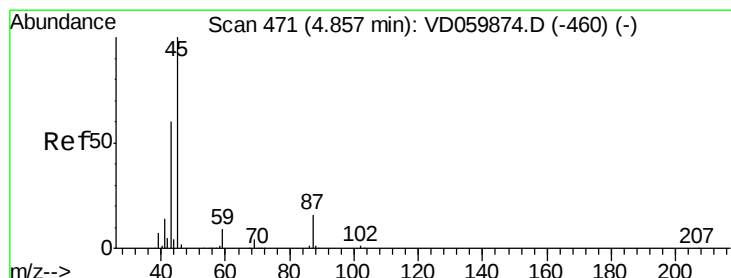
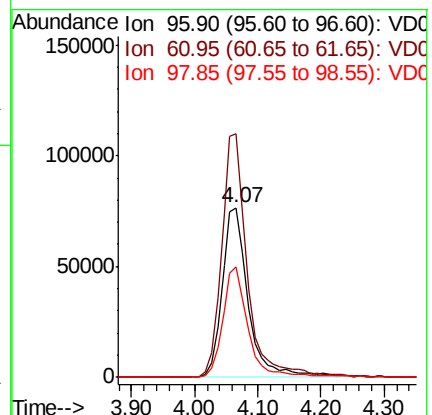
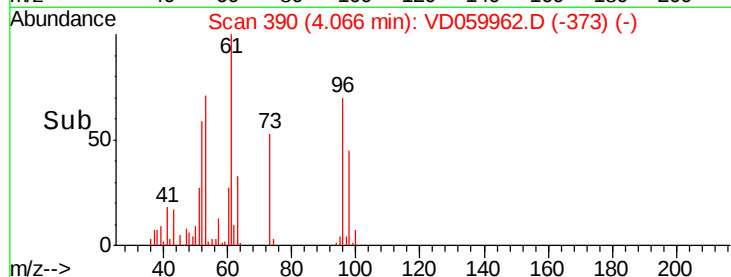
96 100

61 143.6 110.2 165.4

98 64.8 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC
150000 Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.61 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Tgt Ion: 45 Resp: 1024771

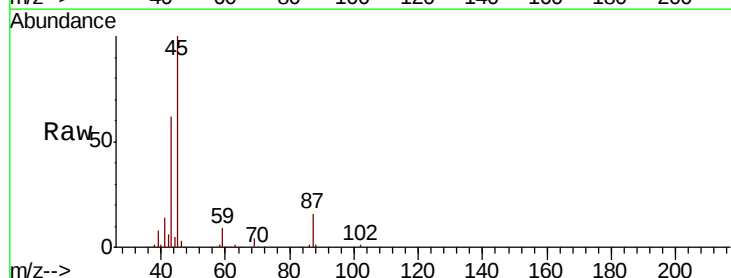
Ion Ratio Lower Upper

45 100

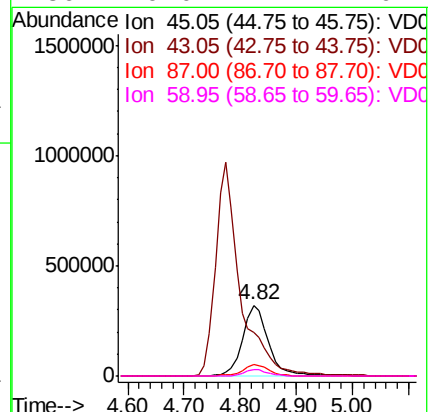
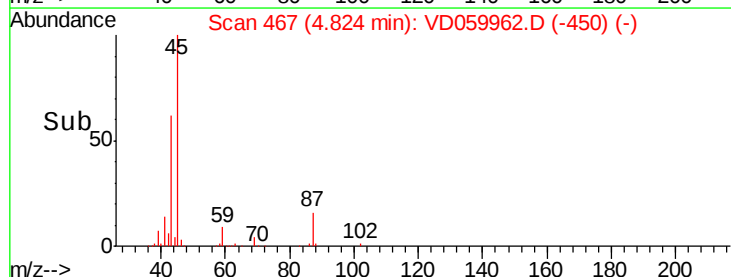
43 62.0 48.6 72.8

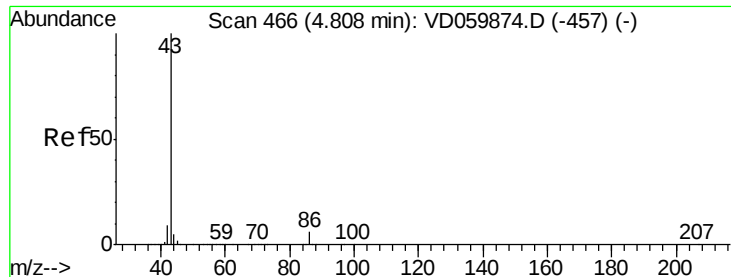
87 16.1 13.3 19.9

59 9.0 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
1500000 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: 102.78 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

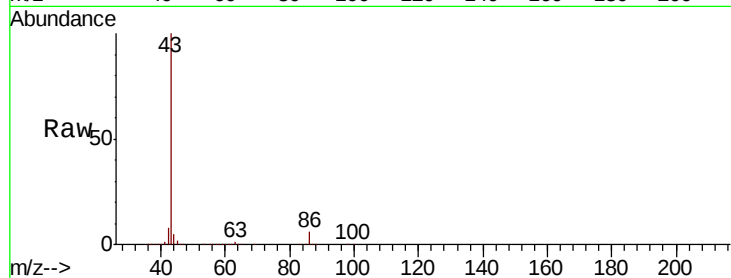
VD0905SBS01

Tot Ion: 43 Resp: 3002696

Ion Ratio Lower Upper

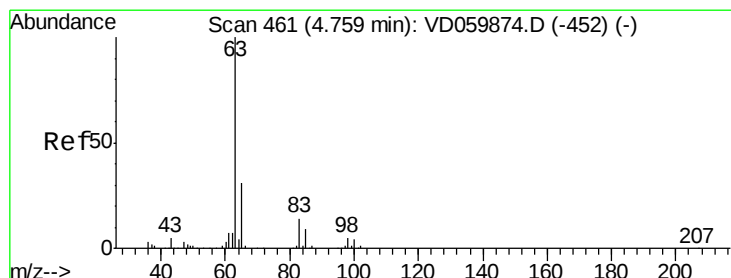
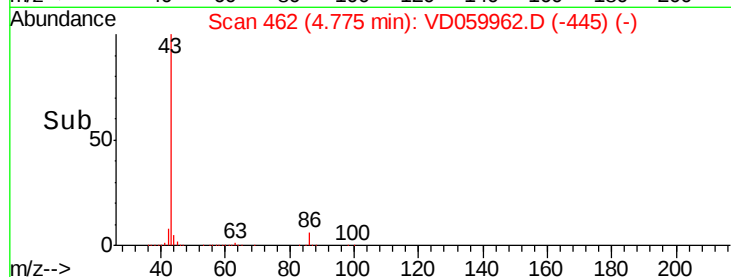
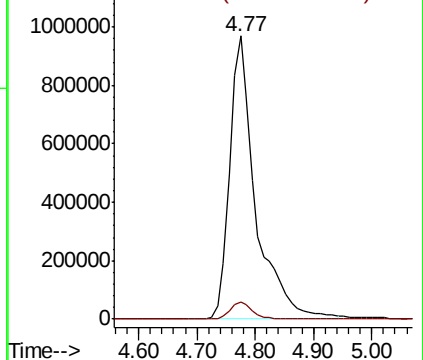
43 100

86 6.2 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.53 ug/l

RT: 4.73 min Scan# 457

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

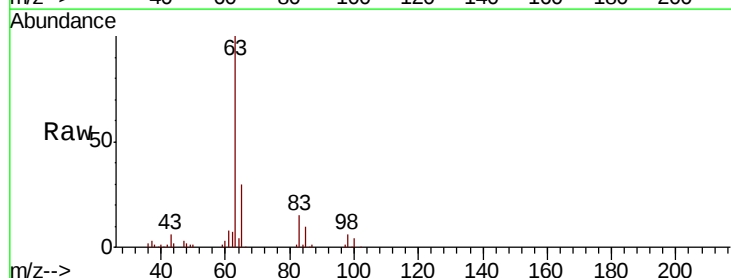
Tgt Ion: 63 Resp: 440880

Ion Ratio Lower Upper

63 100

98 5.6 2.7 8.1

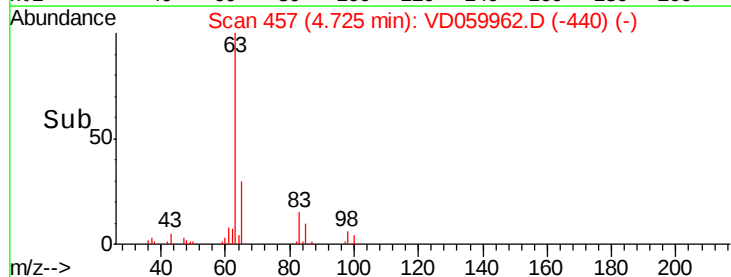
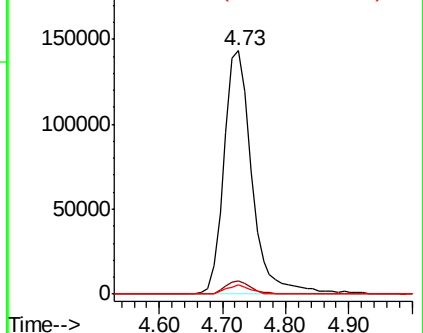
100 3.6 1.8 5.3

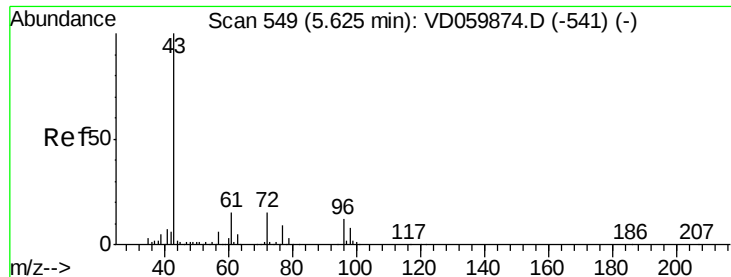


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 87.07 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

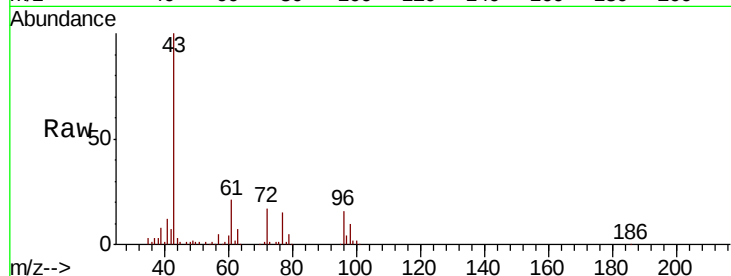
VD0905SBS01

Tot Ion: 43 Resp: 512138

Ion Ratio Lower Upper

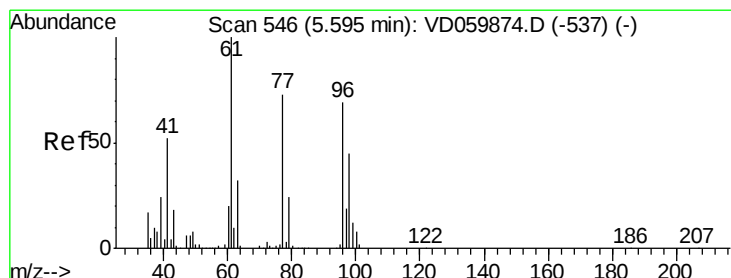
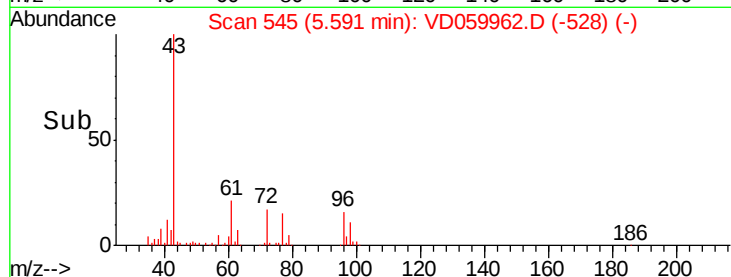
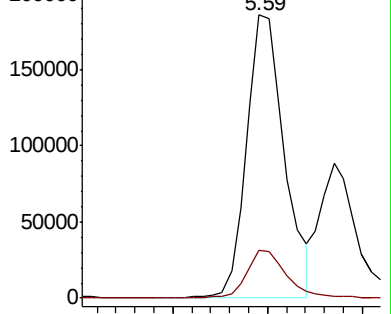
43 100

72 16.9 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: 19.68 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.04 min

Lab File: VD059962.D

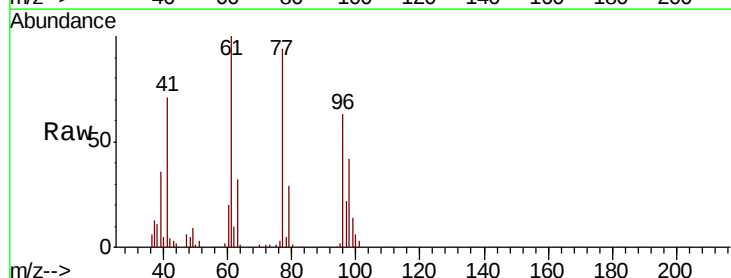
Acq: 5 Sep 2018 11:51

Tgt Ion: 77 Resp: 371483

Ion Ratio Lower Upper

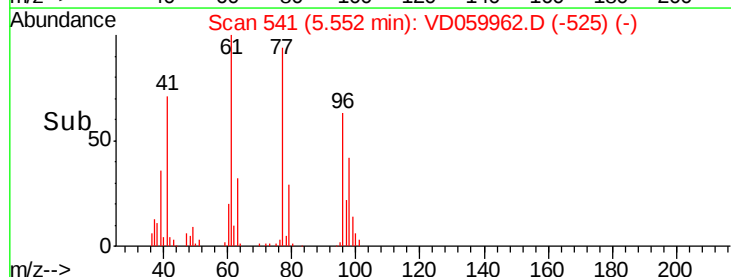
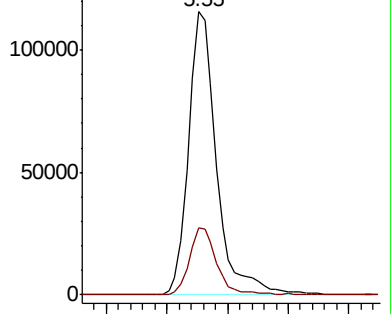
77 100

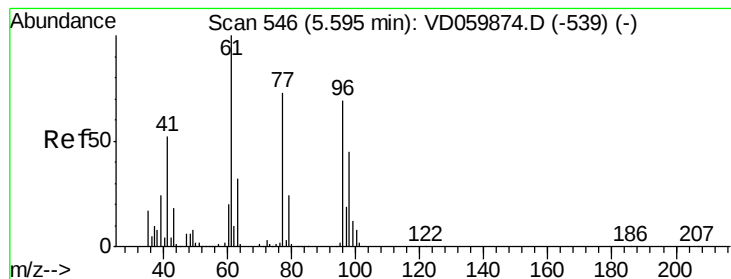
97 23.6 13.0 38.9



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: 20.10 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

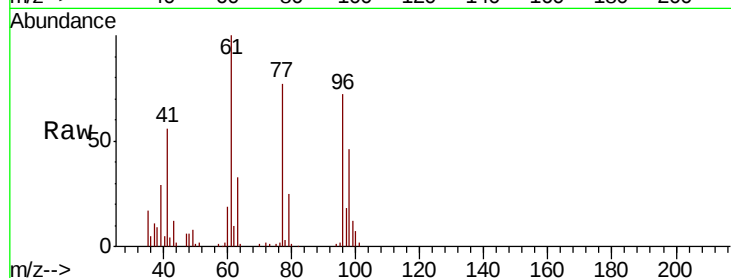
Tot Ion: 96 Resp: 274701

Ion Ratio Lower Upper

96 100

61 139.5 0.0 290.2

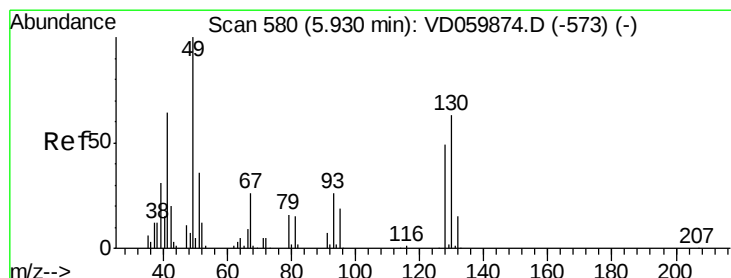
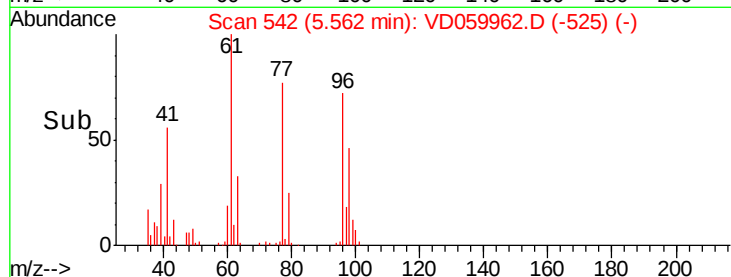
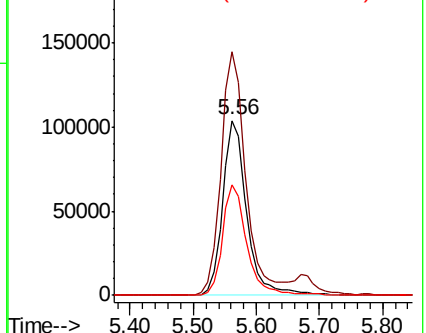
98 63.6 0.0 130.4



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: 20.07 ug/l

RT: 5.90 min Scan# 576

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

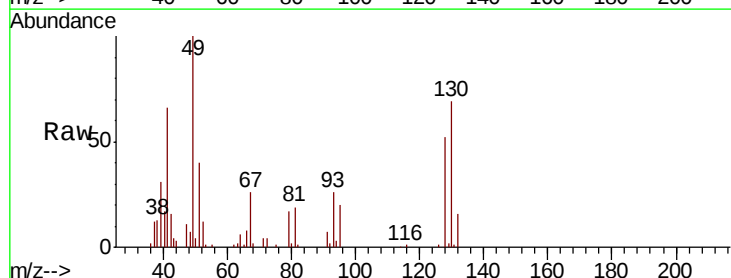
Tgt Ion: 49 Resp: 217168

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.2

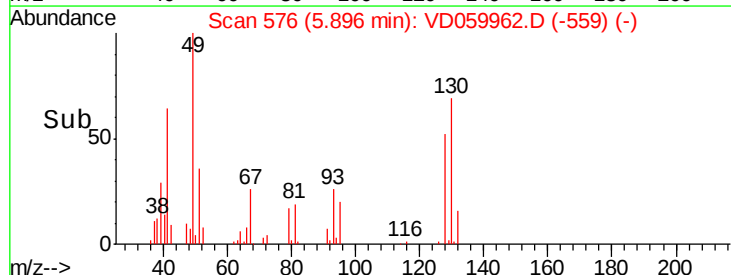
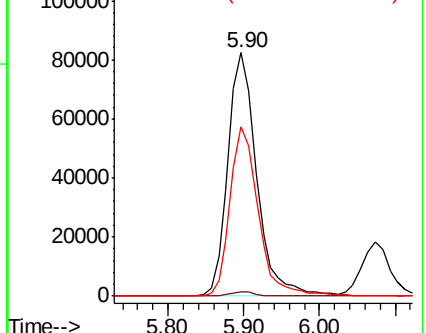
130 69.5 50.6 75.8



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

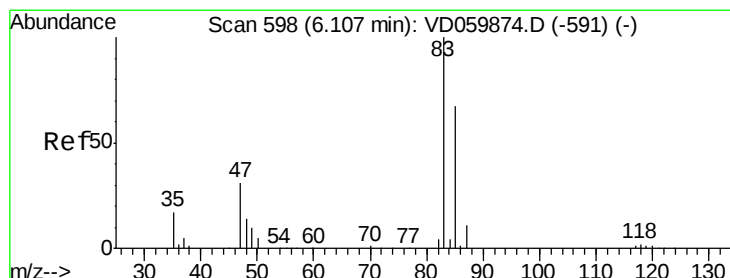
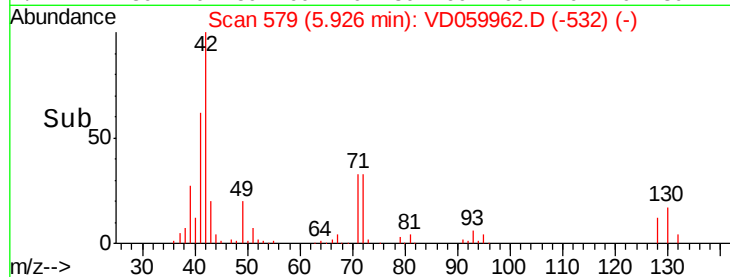
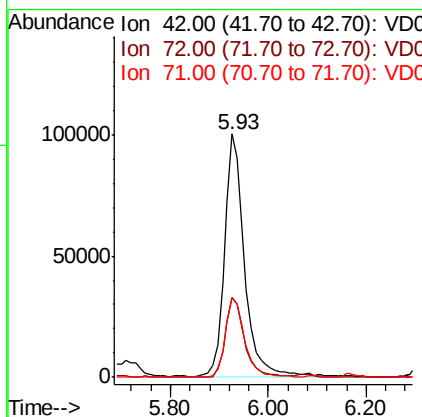
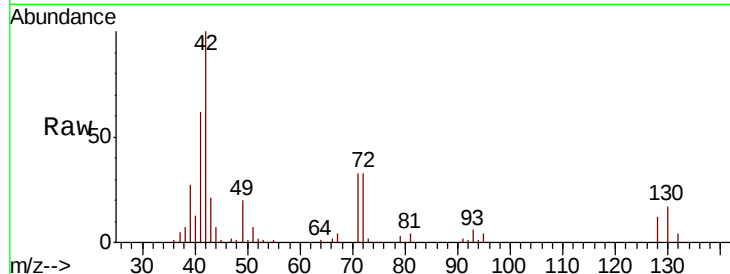




#29
Tetrahydrofuran
Concen: 102.26 ug/l
RT: 5.93 min Scan# 579
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

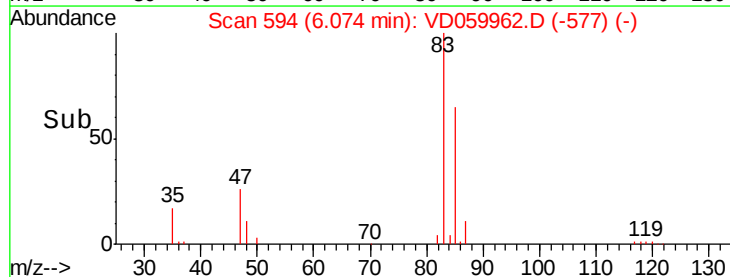
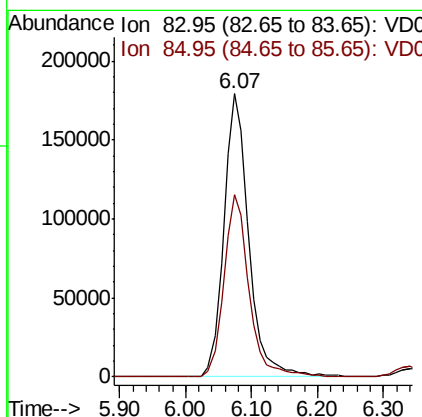
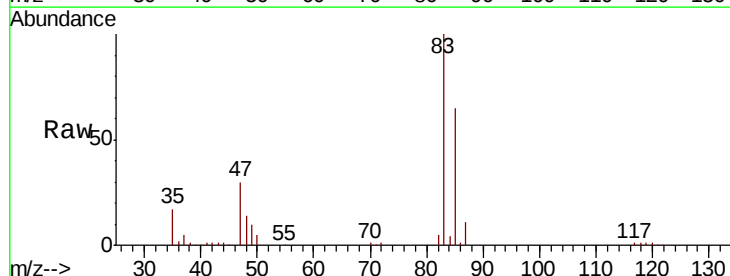
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

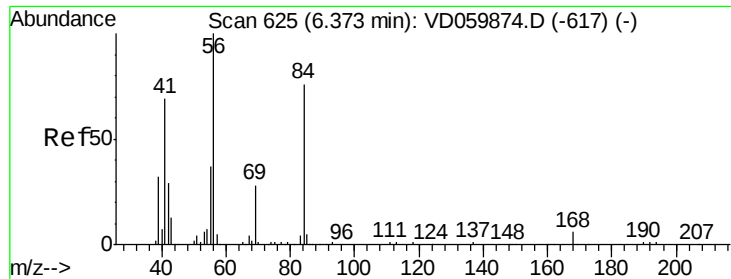
Tot Ion	Ratio	Lower	Upper
42	100		
72	31.1	25.7	38.5
71	31.4	25.3	37.9



#30
Chloroform
Concen: 20.58 ug/l
RT: 6.07 min Scan# 594
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.5	80.3

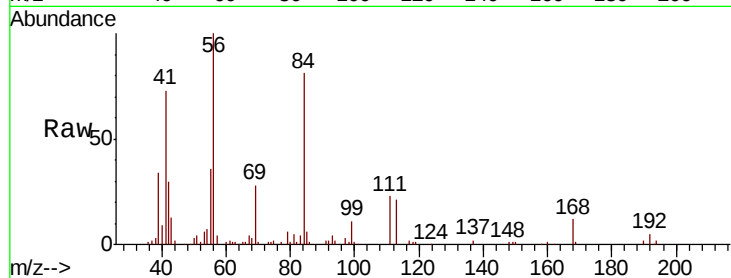




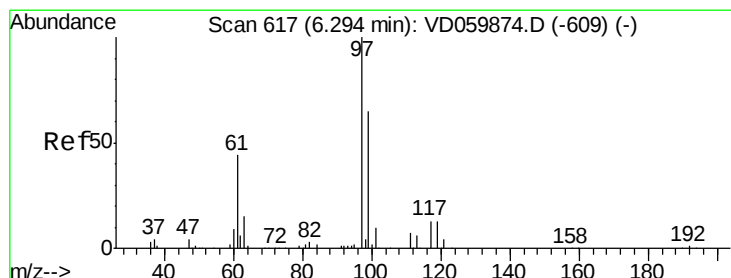
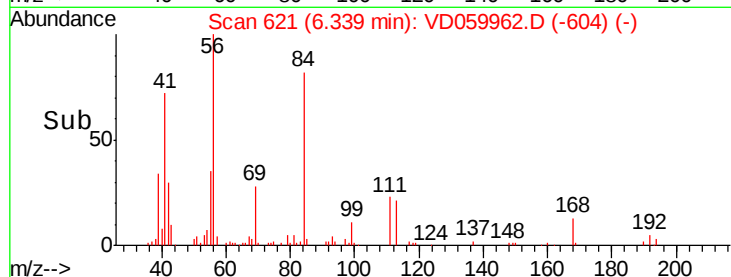
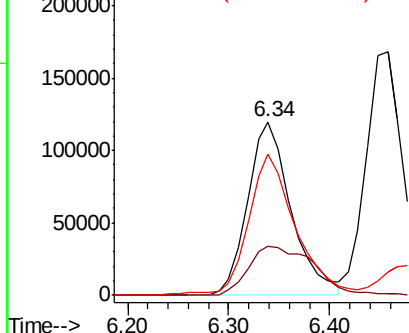
#31
Cyclohexane
Concen: 17.32 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion: 56 Resp: 359487
Ion Ratio Lower Upper
56 100
69 28.2 22.4 33.6
84 81.3 62.1 93.1

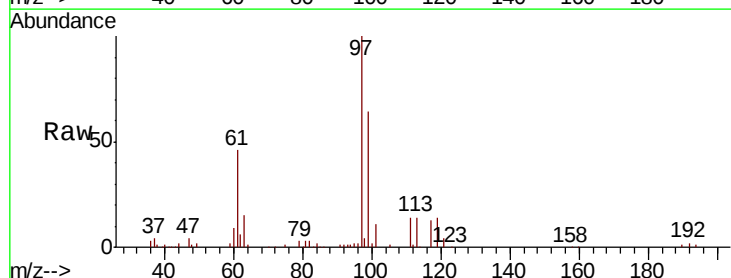


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

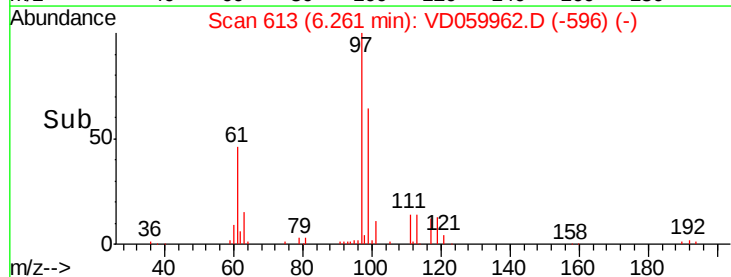
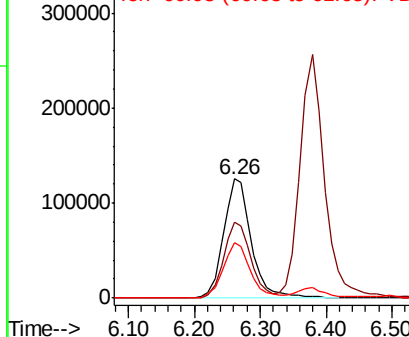


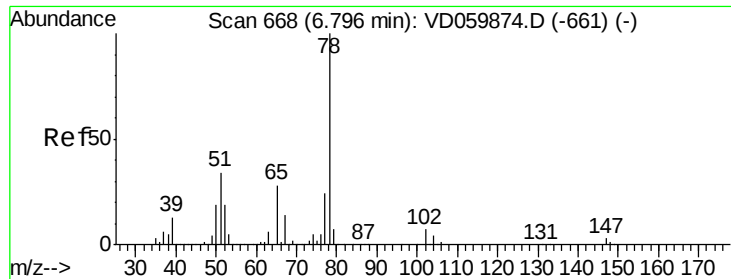
#32
1,1,1-Trichloroethane
Concen: 18.92 ug/l
RT: 6.26 min Scan# 613
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 97 Resp: 368461
Ion Ratio Lower Upper
97 100
99 64.0 51.7 77.5
61 46.3 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

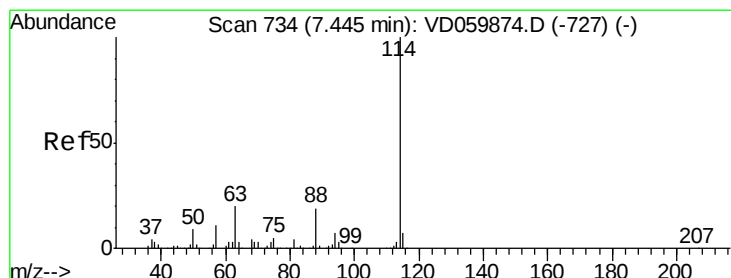
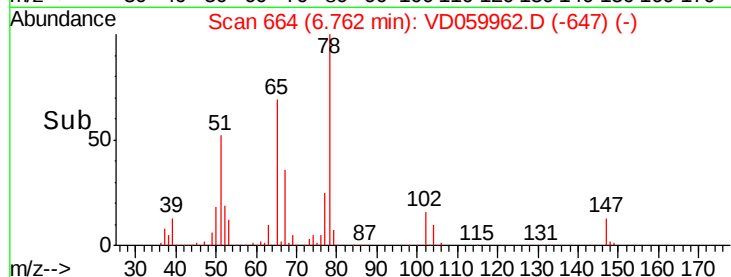
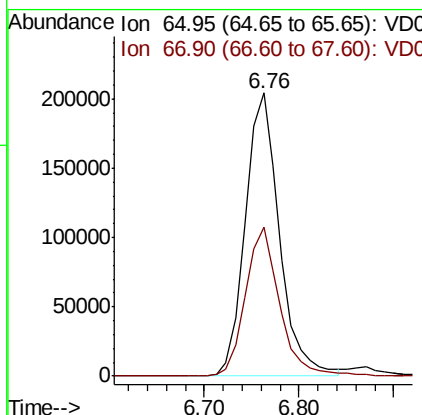
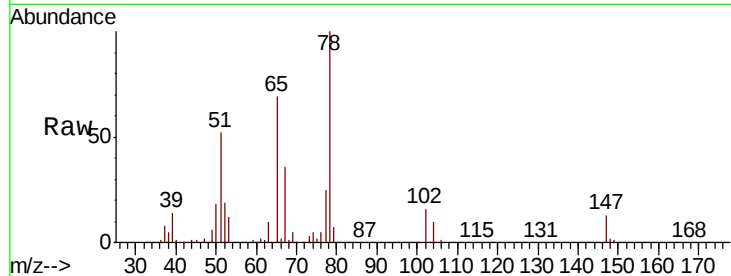




#33
 1,2-Dichloroethane-d4
 Concen: 18.92 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

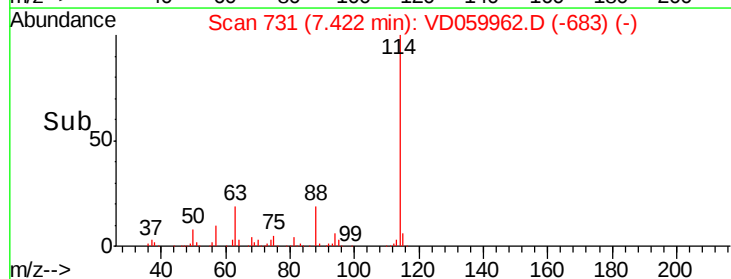
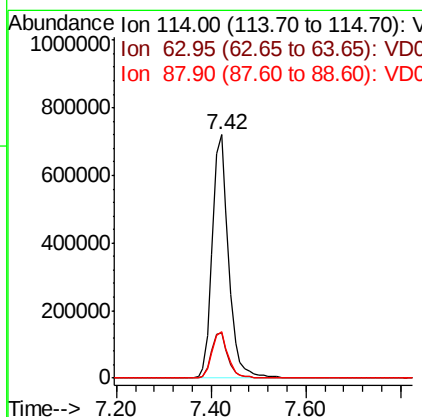
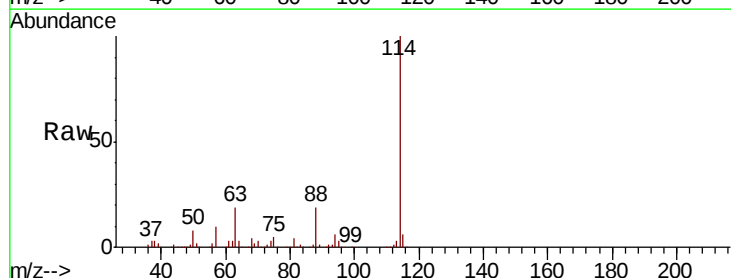
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

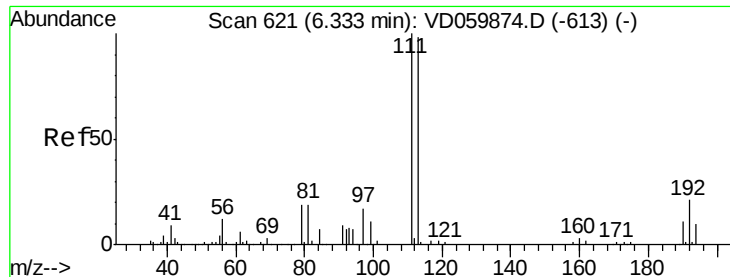
Tot Ion: 65 Resp: 510642
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion: 114 Resp: 1723526
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.4
 88 19.0 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

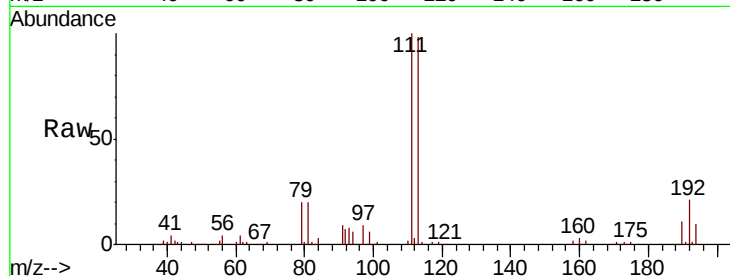
Tot Ion:113 Resp: 688171

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

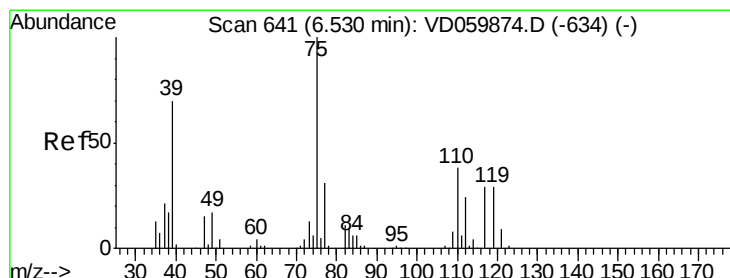
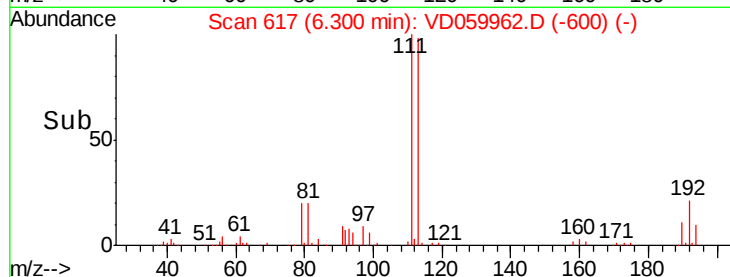
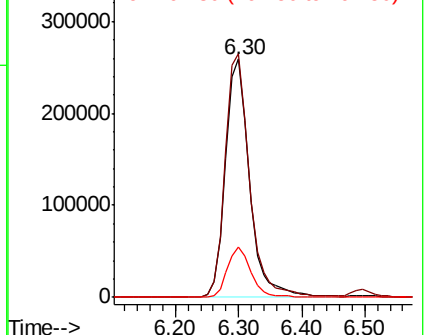
192 21.3 17.0 25.6



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: 20.92 ug/l

RT: 6.50 min Scan# 637

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

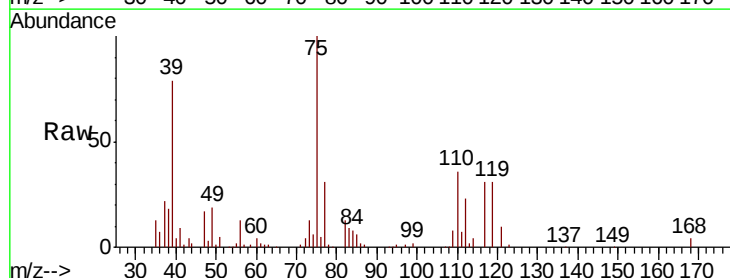
Tgt Ion: 75 Resp: 326794

Ion Ratio Lower Upper

75 100

110 36.3 18.6 56.0

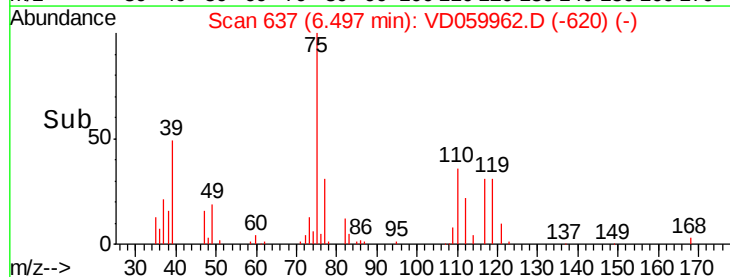
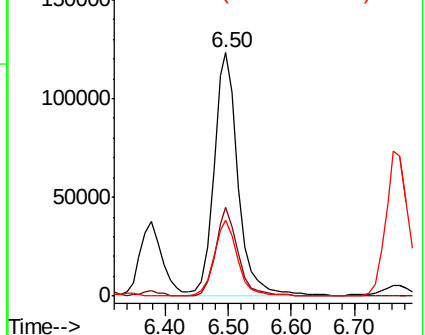
77 31.4 25.1 37.7

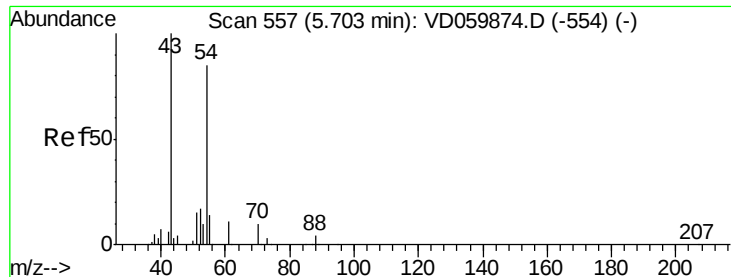


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

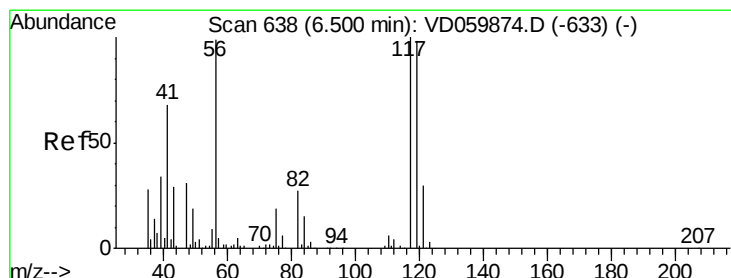
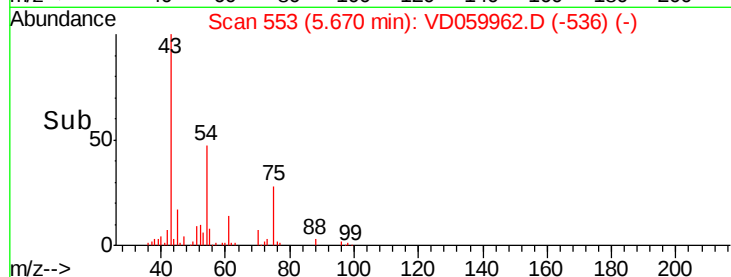
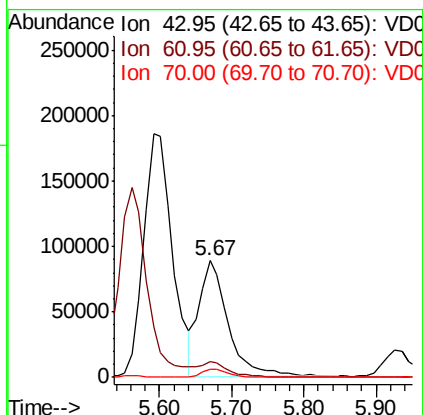
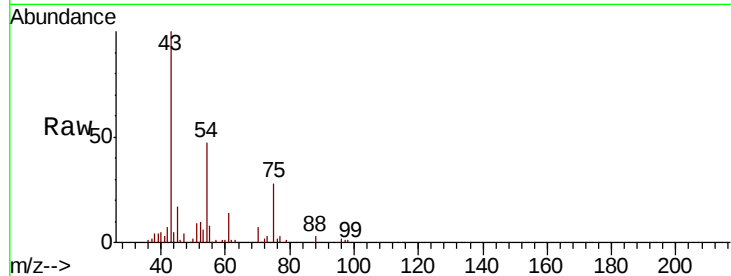




#37
Ethyl Acetate
Concen: 20.12 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

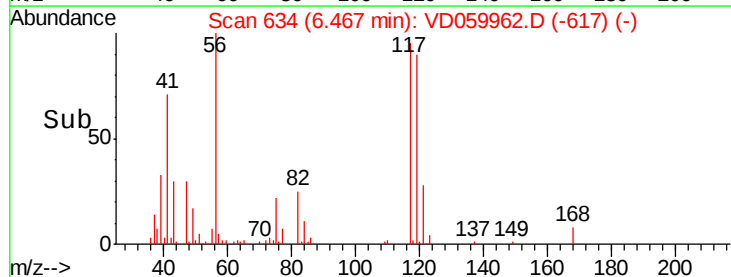
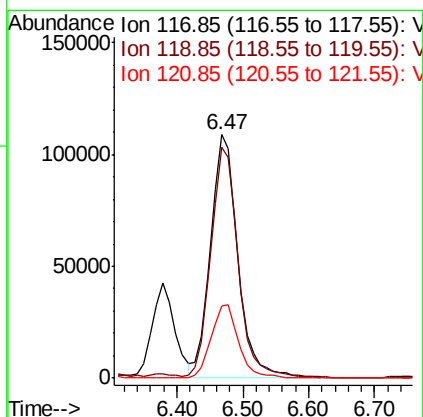
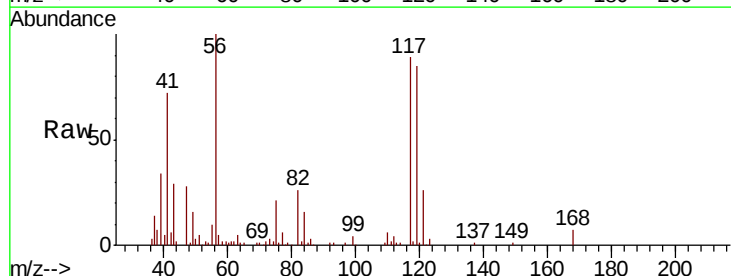
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

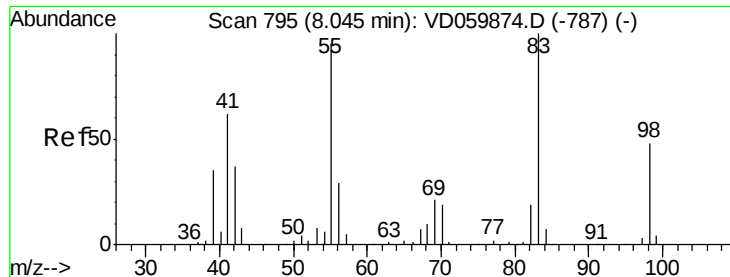
Tot Ion: 43 Resp: 244638
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.6
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.86 ug/l
RT: 6.47 min Scan# 634
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 117 Resp: 313169
Ion Ratio Lower Upper
117 100
119 94.9 77.2 115.8
121 29.7 24.0 36.0

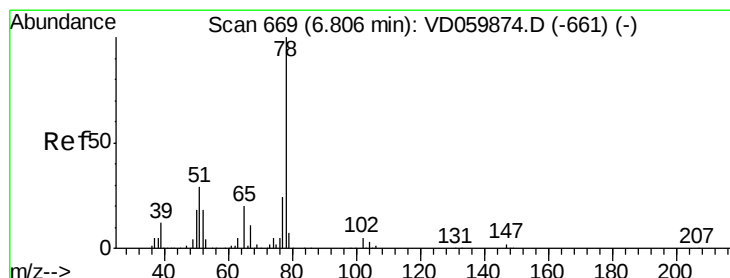
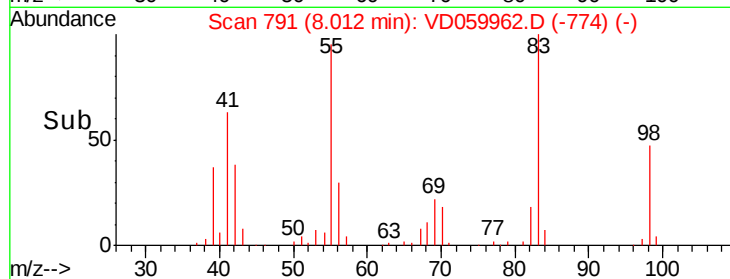
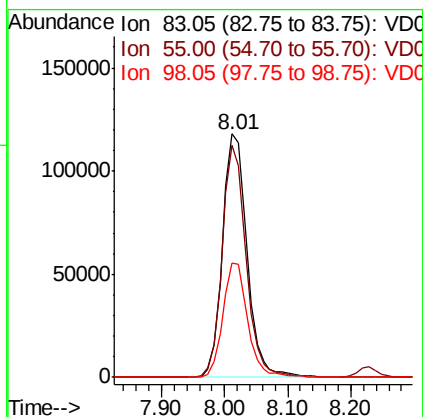
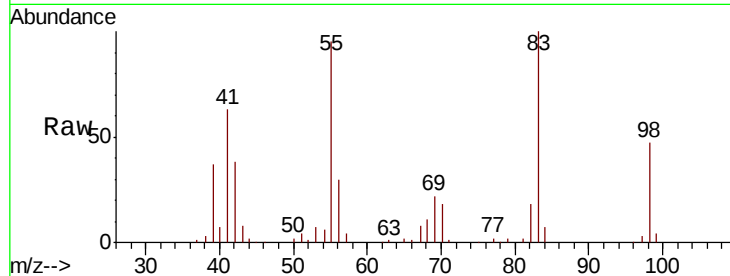




#39
Methvlcvclohexane
Concen: 18.96 ug/l
RT: 8.01 min Scan# 791
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

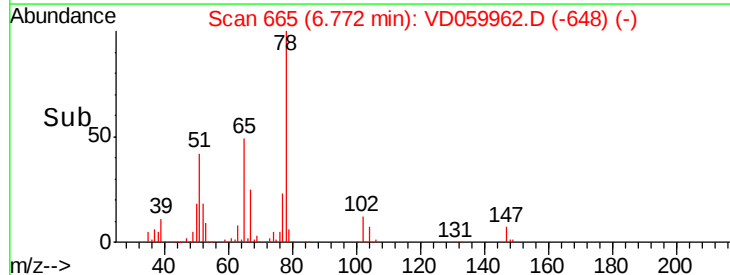
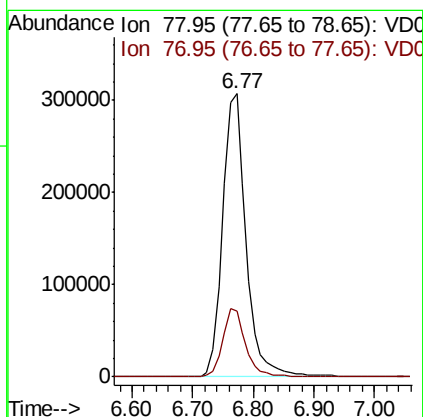
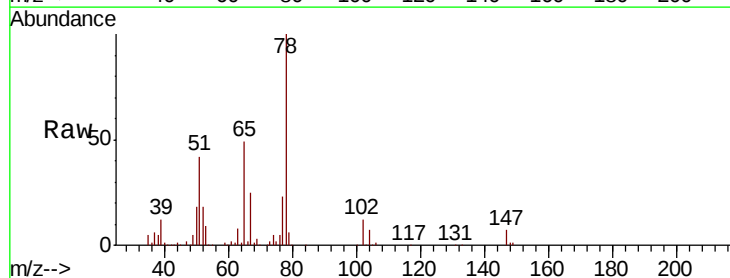
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion: 83 Resp: 320015
Ion Ratio Lower Upper
83 100
55 95.3 75.8 113.6
98 47.1 38.3 57.5



#40
Benzene
Concen: 20.25 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 78 Resp: 822665
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4

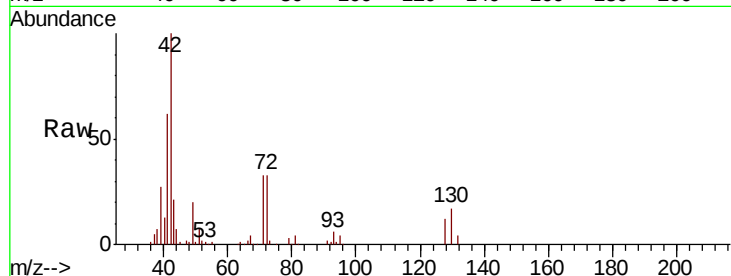




#41
Methacrylonitrile
Concen: 46.43 ug/l
RT: 5.93 min Scan# 579
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.3	39.4	59.2
67	6.3	22.2	33.2#
52	2.7	10.1	15.1#



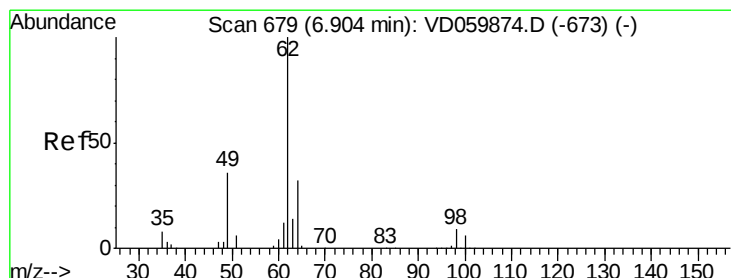
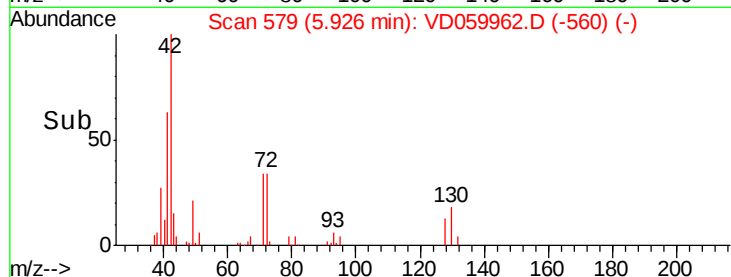
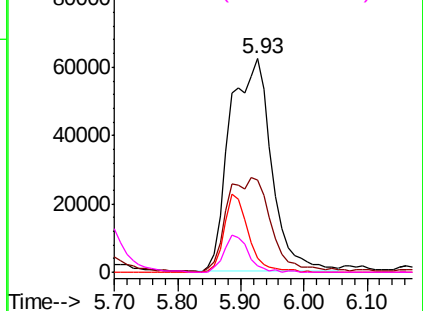
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

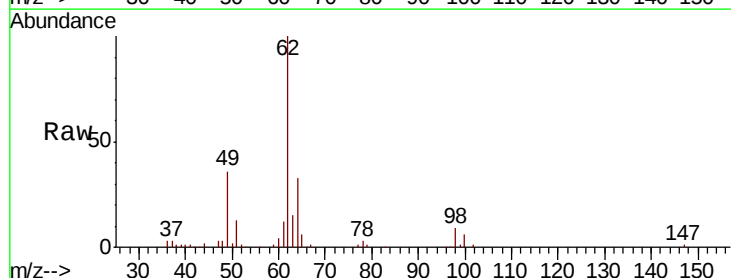
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 20.29 ug/l
RT: 6.87 min Scan# 675
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

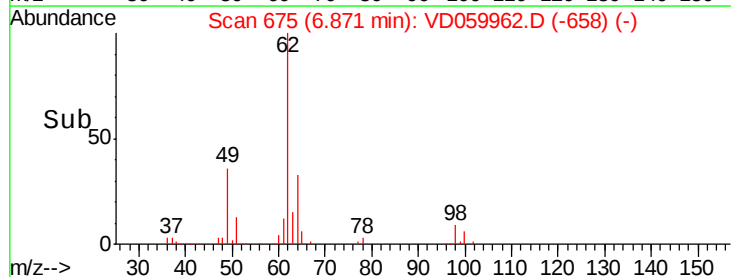
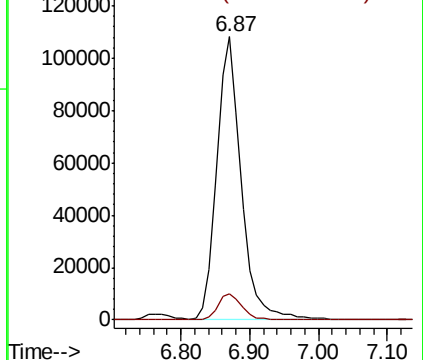
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4

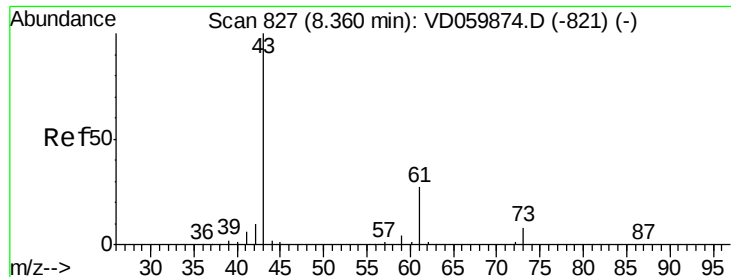


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



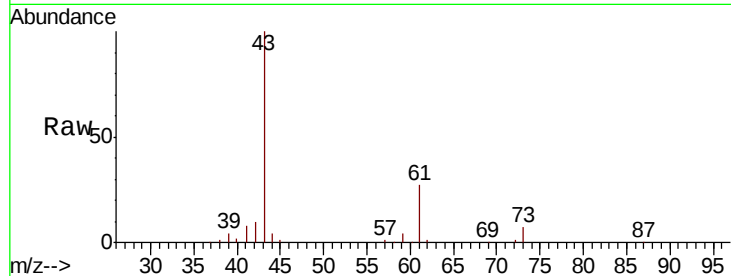


#43

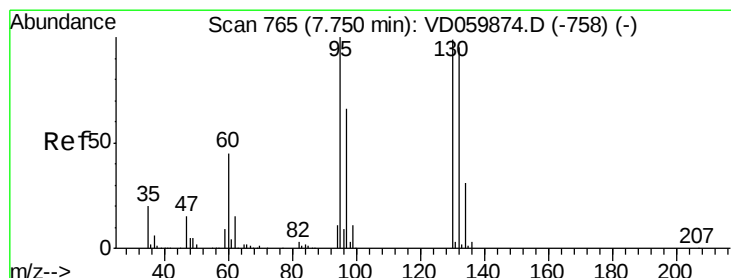
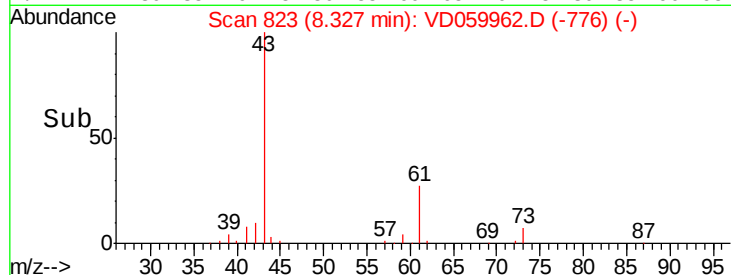
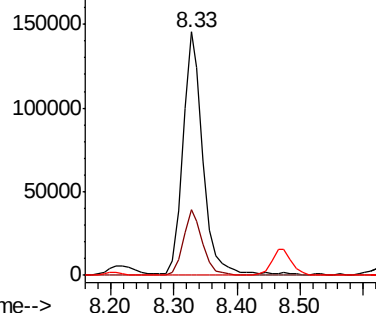
Isopropyl Acetate
 Concen: 20.67 ug/l
 RT: 8.33 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion: 43 Resp: 326950
 Ion Ratio Lower Upper
 43 100
 61 26.7 21.4 32.2
 87 0.3 0.2 0.4



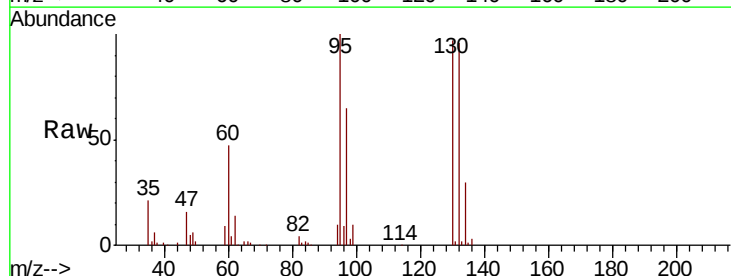
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



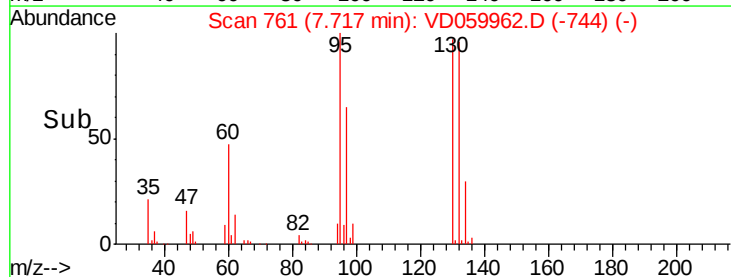
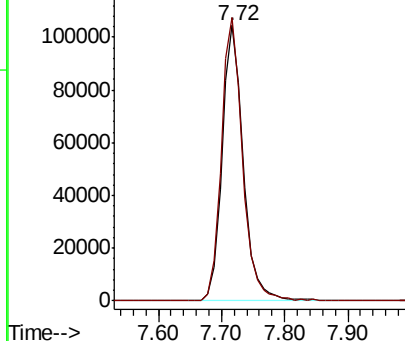
#44

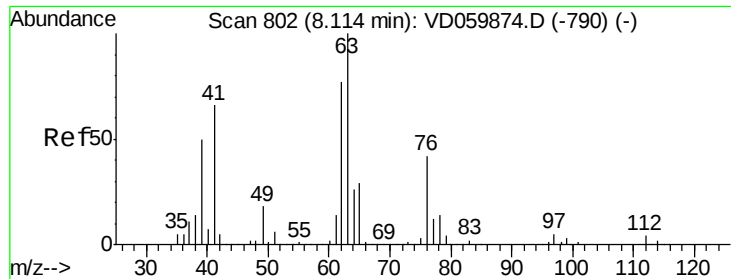
Trichloroethene
 Concen: 20.43 ug/l
 RT: 7.72 min Scan# 761
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion: 130 Resp: 244427
 Ion Ratio Lower Upper
 130 100
 95 102.7 0.0 202.0



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

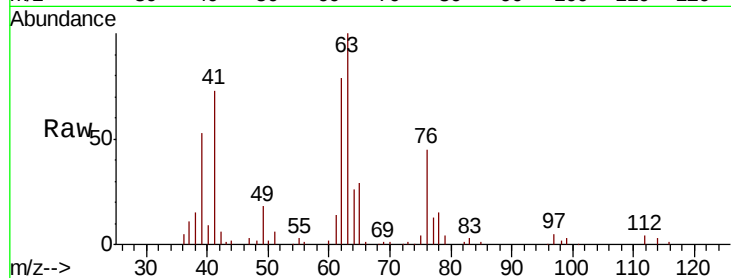




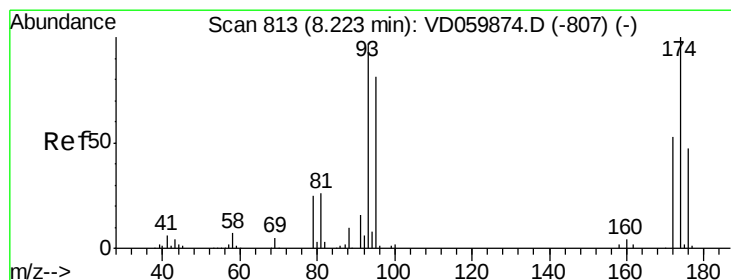
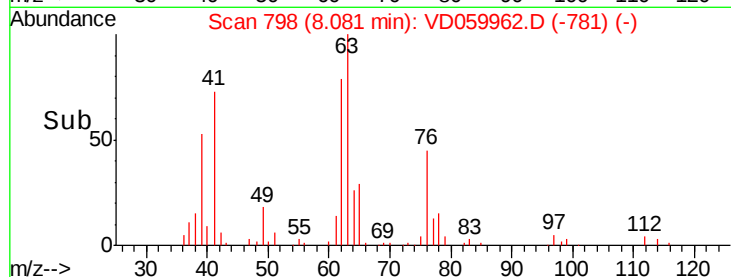
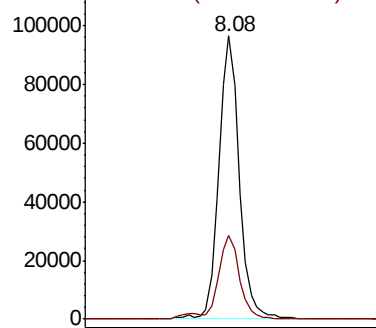
#45
 1,2-Dichloropropane
 Concen: 20.86 ug/l
 RT: 8.08 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion: 63 Resp: 236823
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.5 35.3

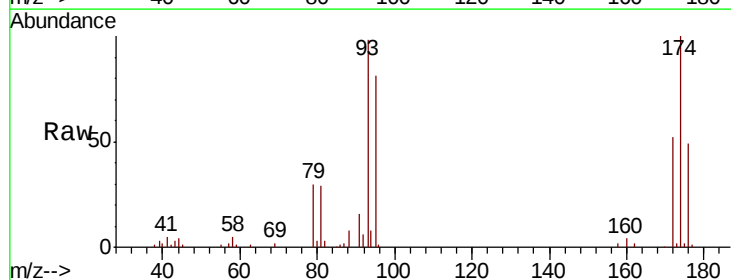


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

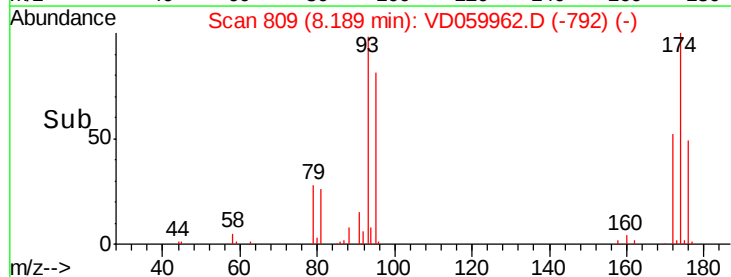
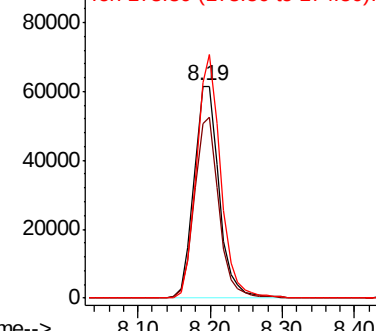


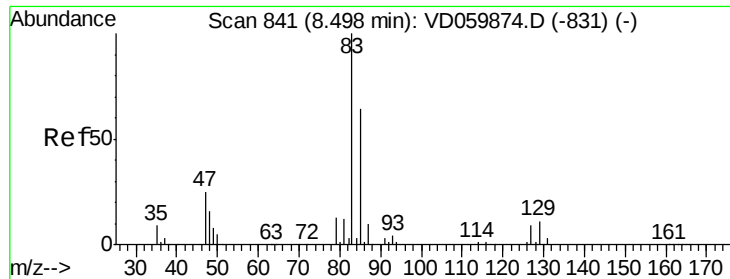
#46
 Dibromomethane
 Concen: 20.28 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion: 93 Resp: 148107
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 100.0
 174 102.0 82.4 123.6



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.55 ug/l

RT: 8.46 min Scan# 837

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

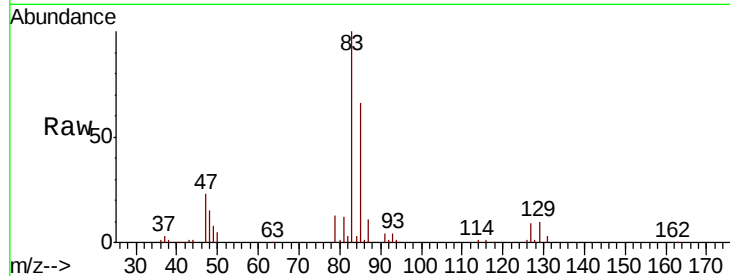
Tot Ion: 83 Resp: 339666

Ion Ratio Lower Upper

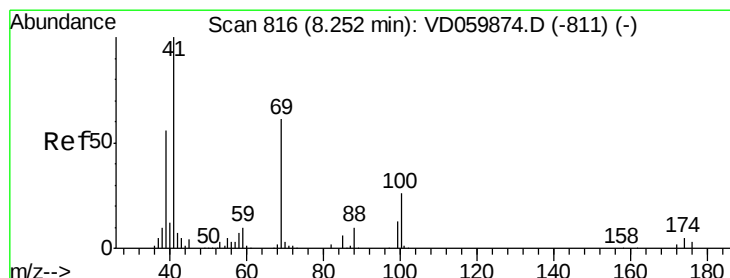
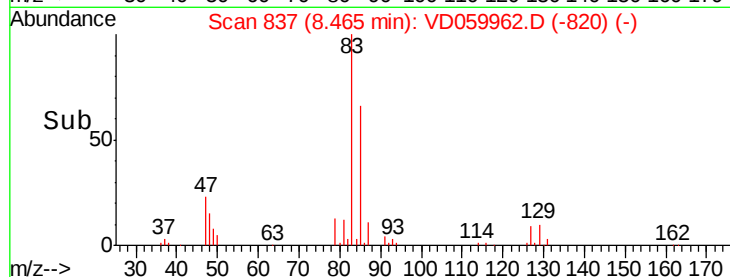
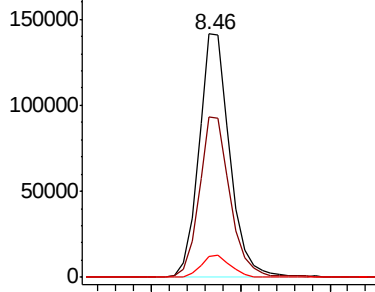
83 100

85 66.1 51.3 76.9

127 8.6 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: 20.42 ug/l

RT: 8.23 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

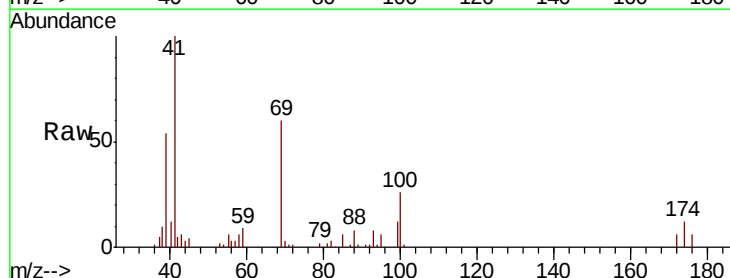
Tgt Ion: 41 Resp: 188278

Ion Ratio Lower Upper

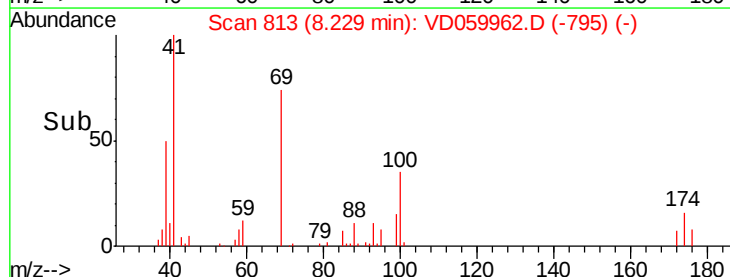
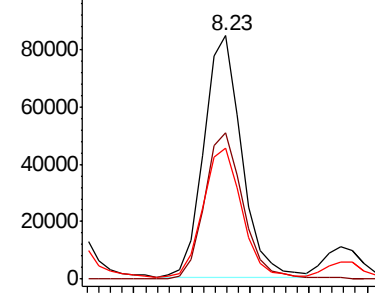
41 100

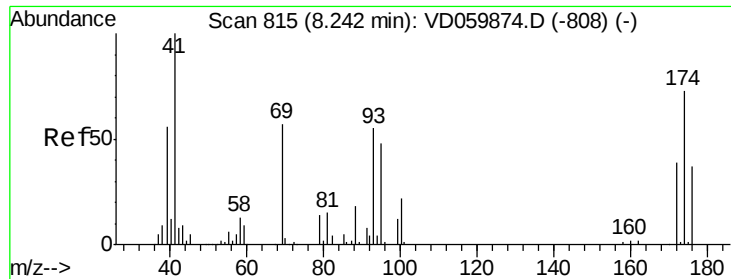
69 60.0 48.0 72.0

39 53.7 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

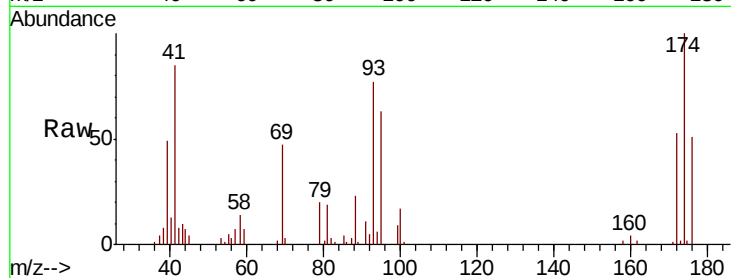




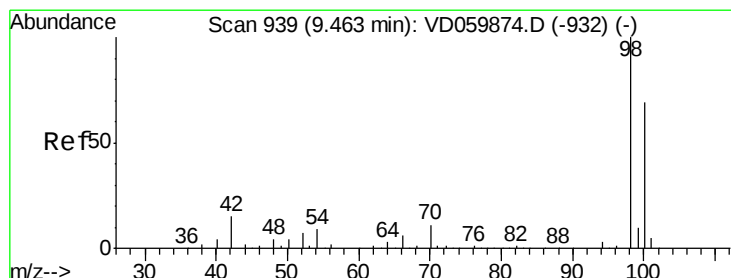
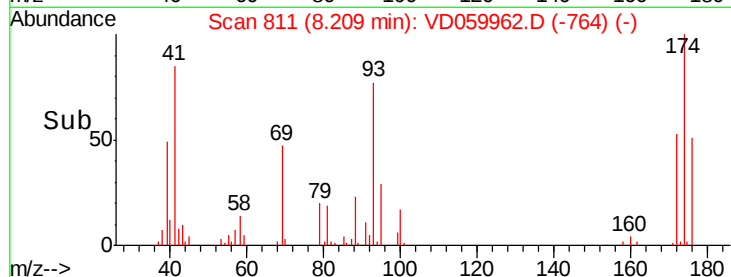
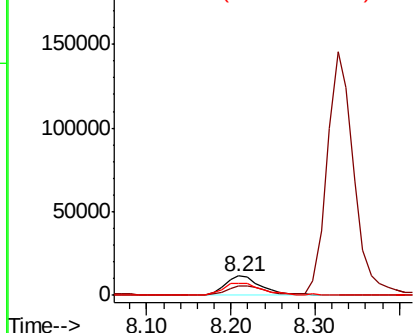
#49
1,4-Dioxane
Concen: 440.48 ug/l
RT: 8.21 min Scan# 811
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion: 88 Resp: 36259
Ion Ratio Lower Upper
88 100
43 44.9 45.0 67.6#
58 61.4 55.8 83.8

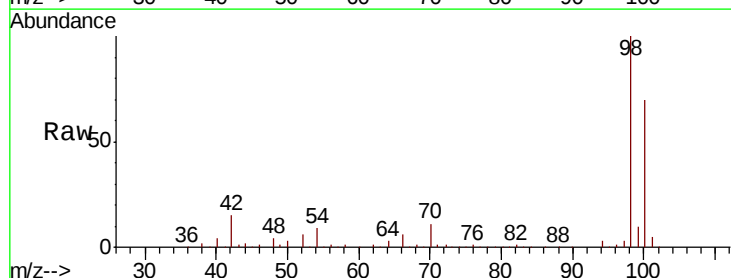


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

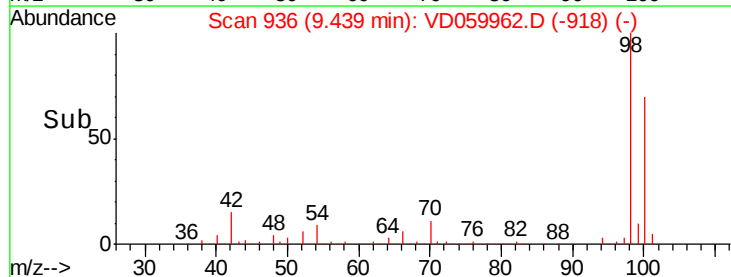
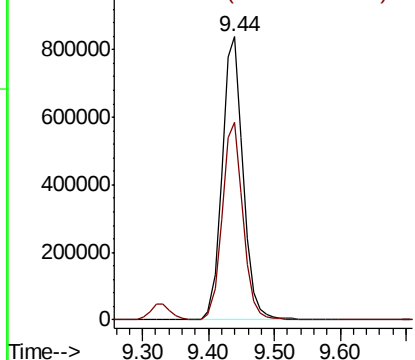


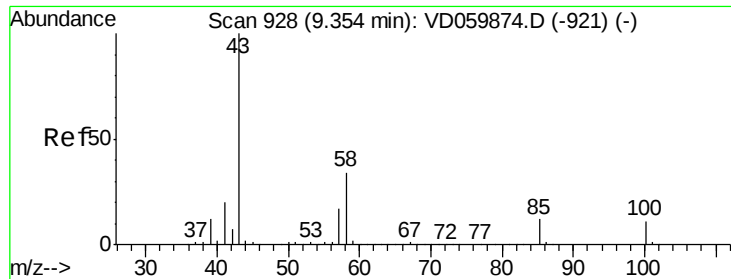
#50
Toluene-d8
Concen: 440.48 ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 98 Resp: 1859196
Ion Ratio Lower Upper
98 100
100 69.8 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: 91.42 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleID :

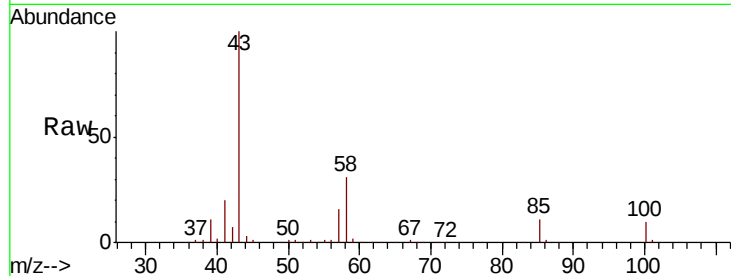
VD0905SBS01

Tot Ion: 43 Resp: 1078041

Ion Ratio Lower Upper

43 100

58 30.9 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

500000

400000

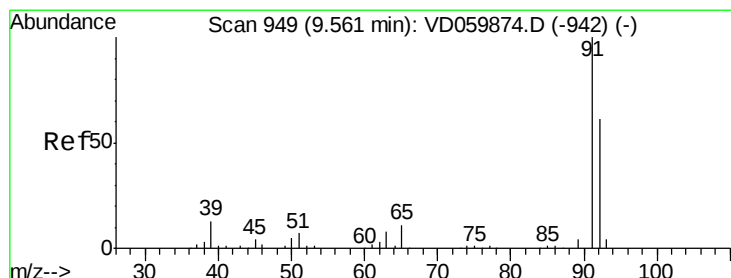
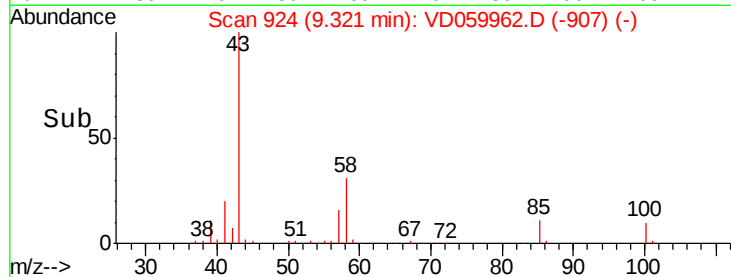
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.49 ug/l

RT: 9.53 min Scan# 945

Delta R.T. -0.03 min

Lab File: VD059962.D

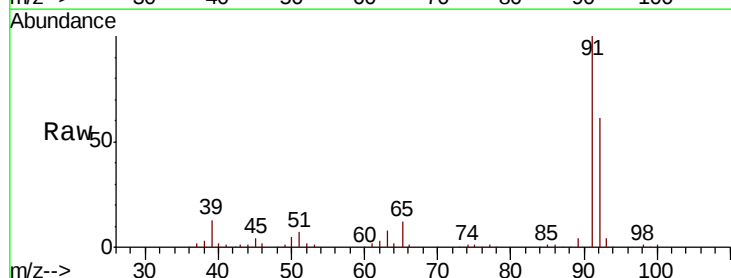
Acq: 5 Sep 2018 11:51

Tgt Ion: 92 Resp: 533858

Ion Ratio Lower Upper

92 100

91 164.7 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

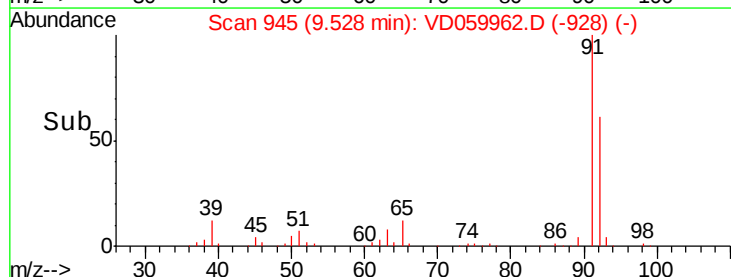
300000

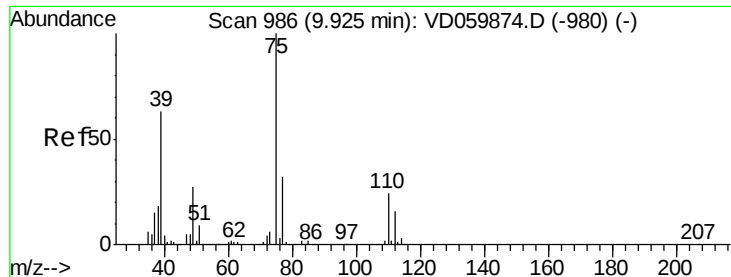
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.29 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

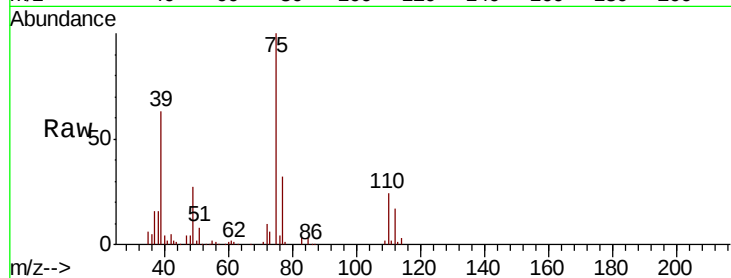
VD0905SBS01

Tot Ion: 75 Resp: 310171

Ion Ratio Lower Upper

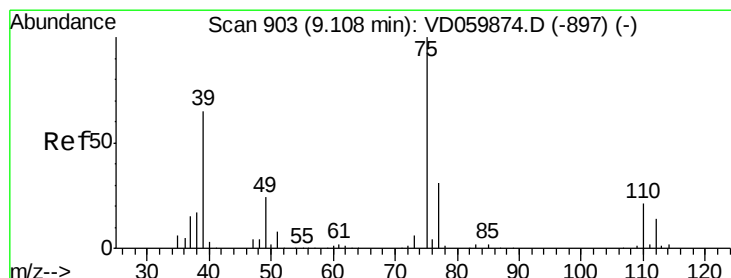
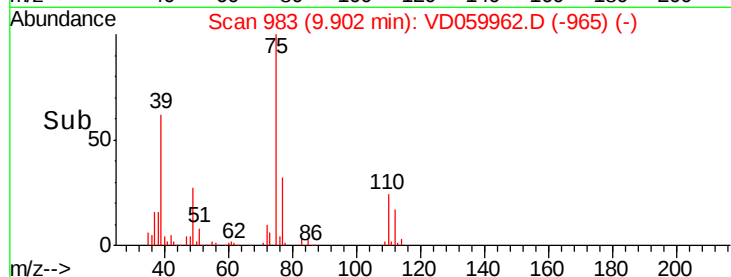
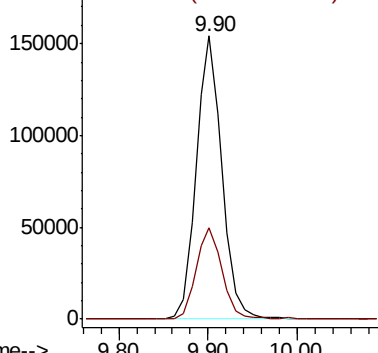
75 100

77 32.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.66 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

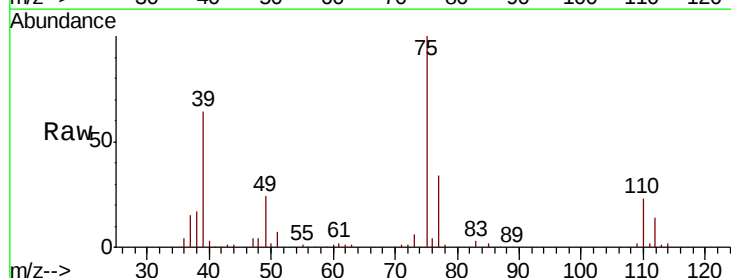
Tgt Ion: 75 Resp: 366167

Ion Ratio Lower Upper

75 100

77 33.6 24.8 37.2

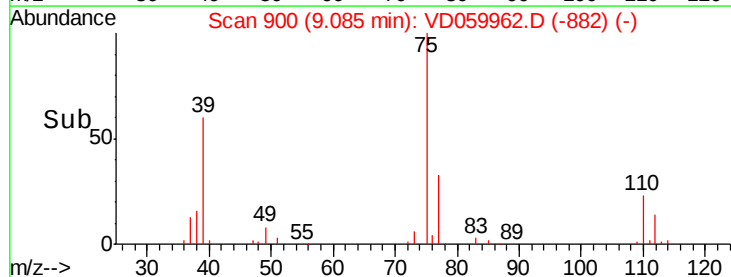
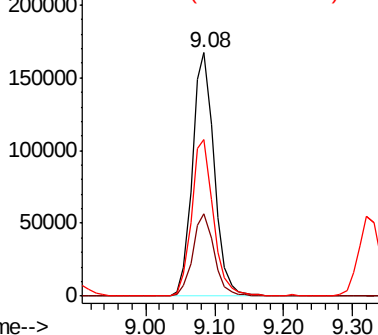
39 64.2 52.1 78.1

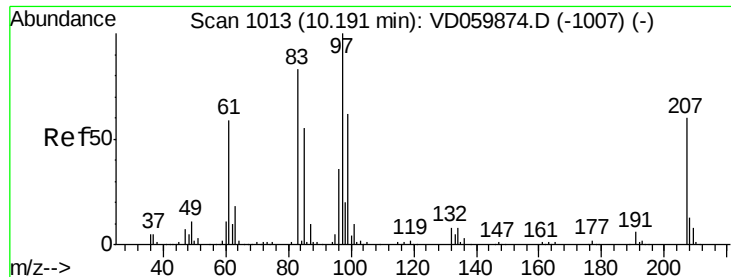


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

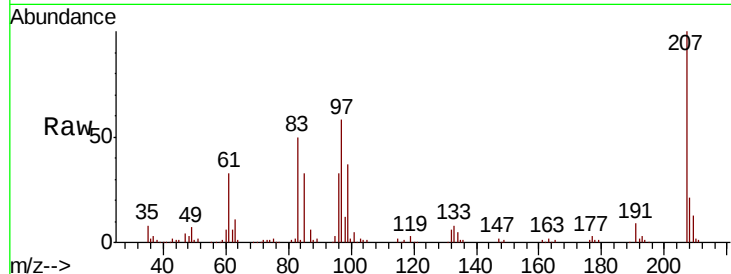




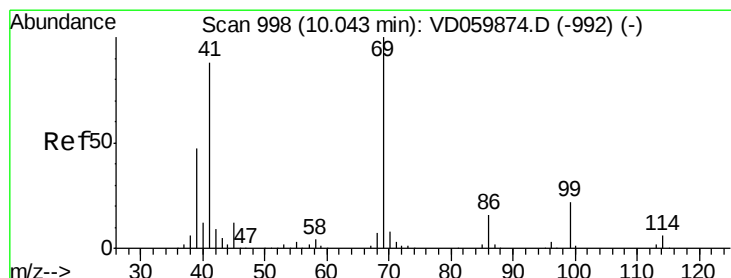
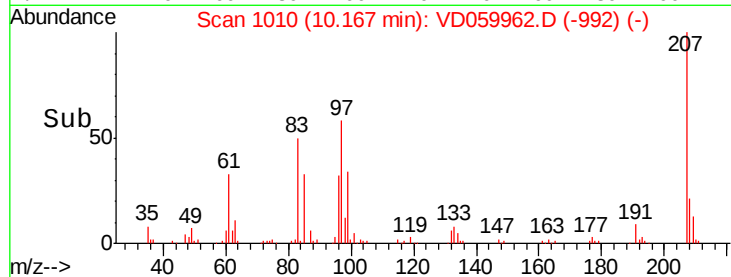
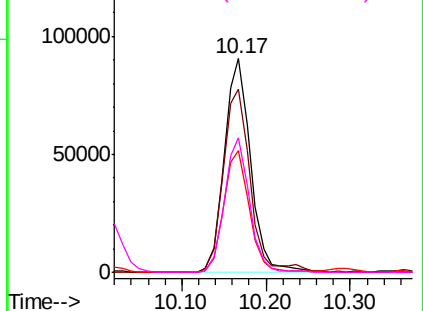
#55
 1,1,2-Trichloroethane
 Concen: 20.50 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion: 97 Resp: 195190
 Ion Ratio Lower Upper
 97 100
 83 85.8 66.7 100.1
 85 56.8 43.8 65.6
 99 63.0 49.8 74.6

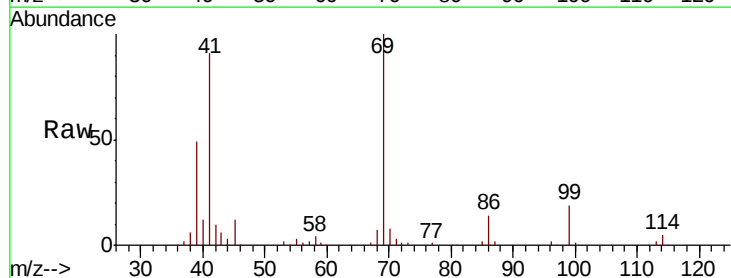


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

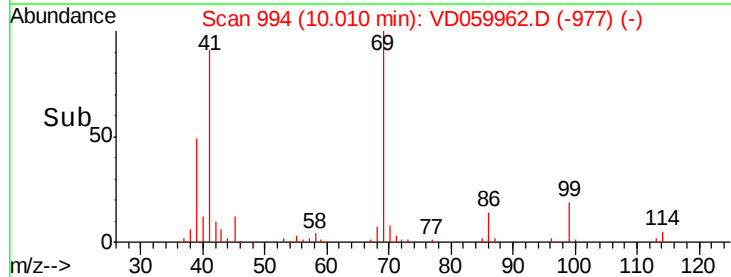
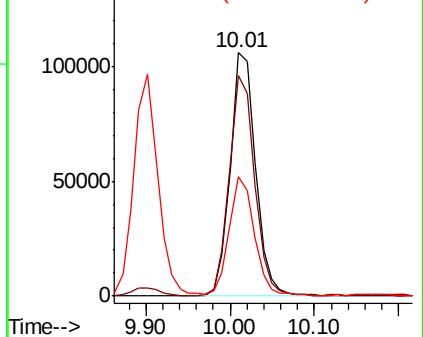


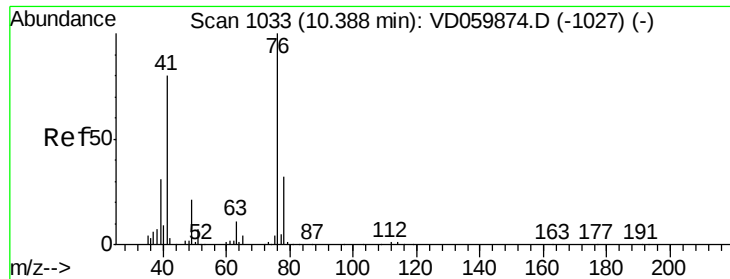
#56
 Ethyl methacrylate
 Concen: 20.33 ug/l
 RT: 10.01 min Scan# 994
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion: 69 Resp: 223373
 Ion Ratio Lower Upper
 69 100
 41 90.8 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

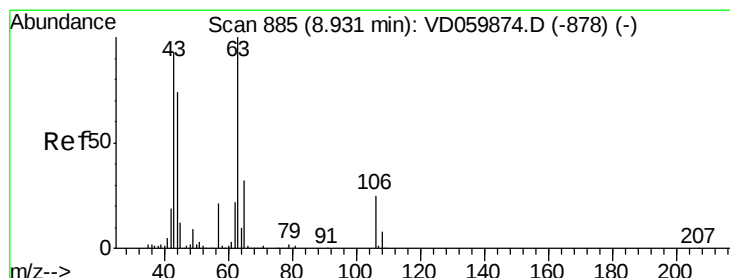
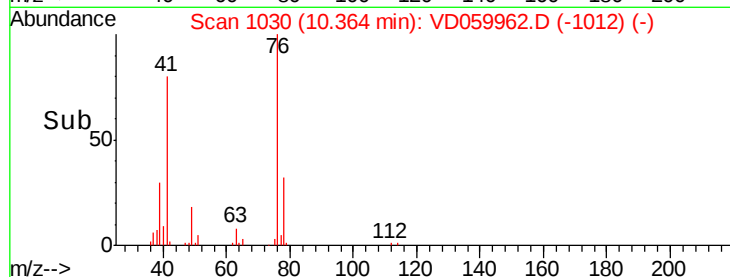
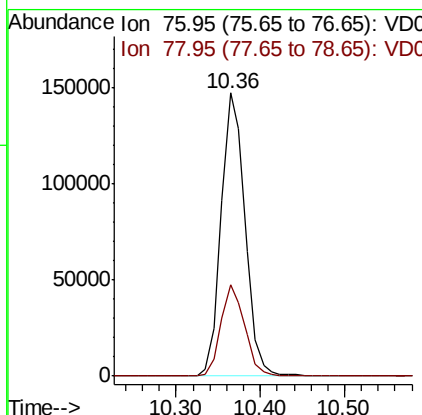
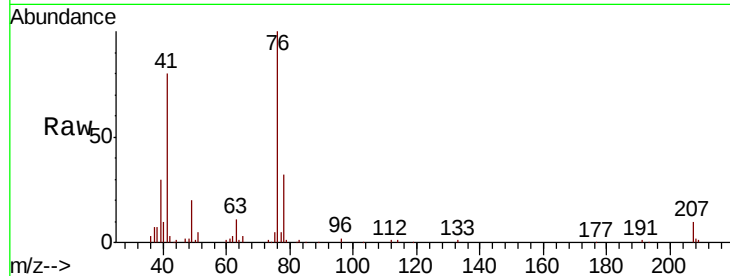




#57
 1,3-Dichloropropane
 Concen: 21.05 ug/l
 RT: 10.36 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

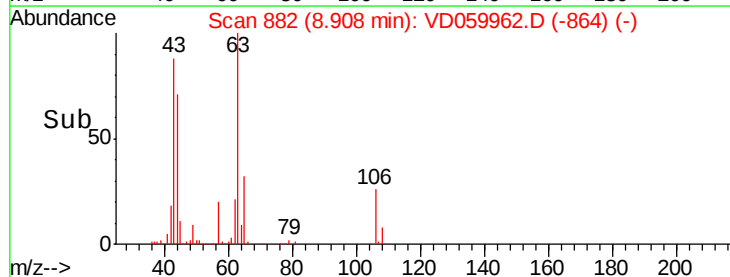
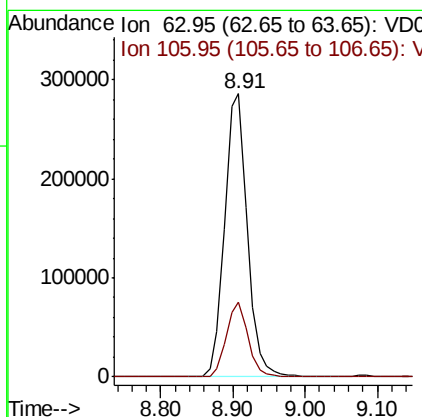
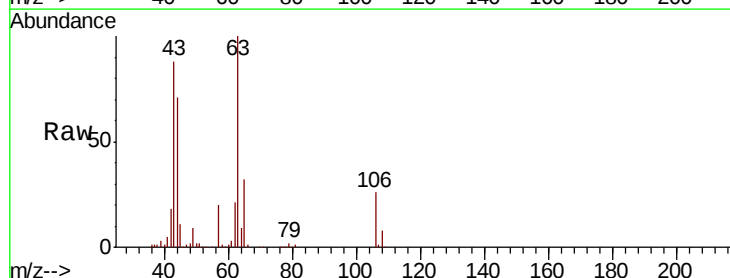
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

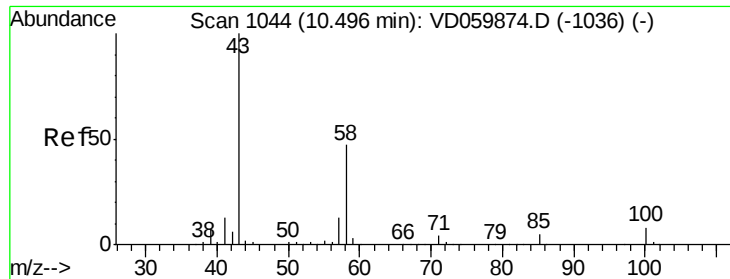
Tot Ion: 76 Resp: 290156
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.07 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion: 63 Resp: 622466
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.1 30.1

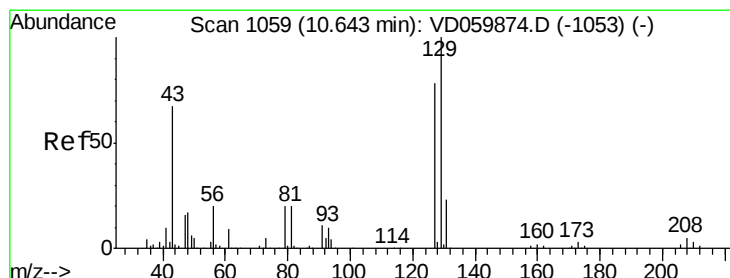
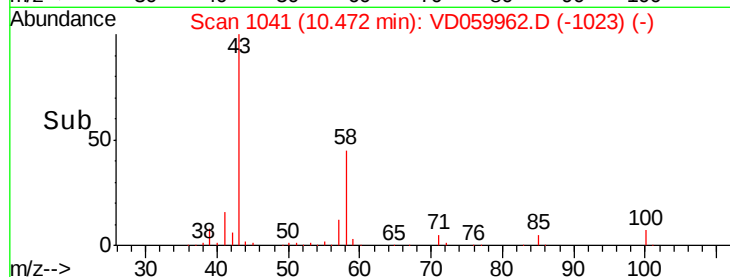
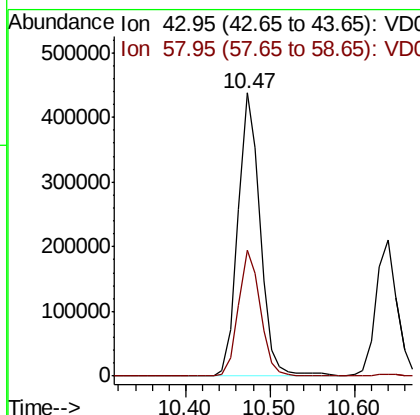
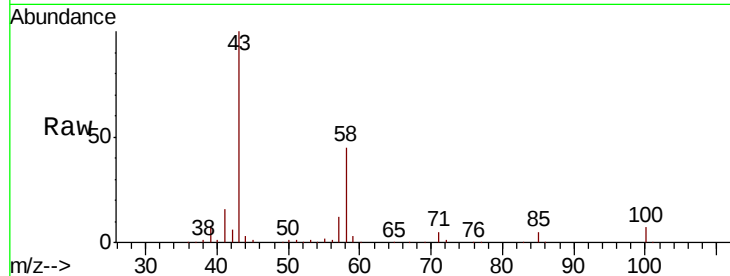




#59
2-Hexanone
Concen: 92.52 ug/l
RT: 10.47 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

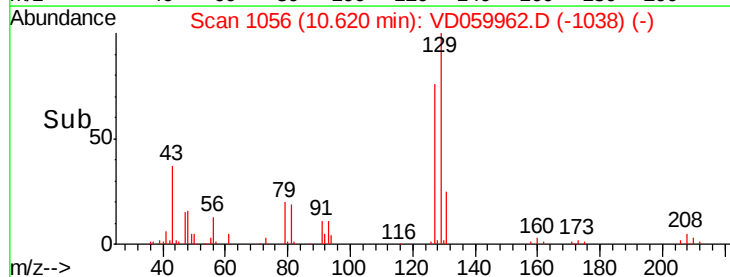
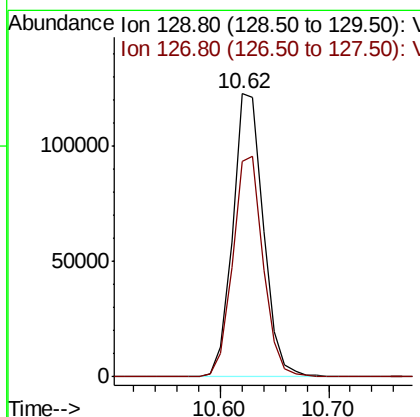
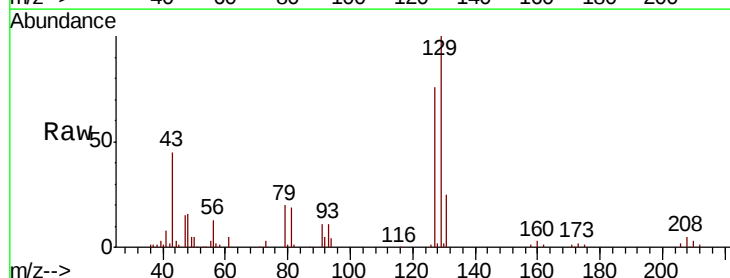
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

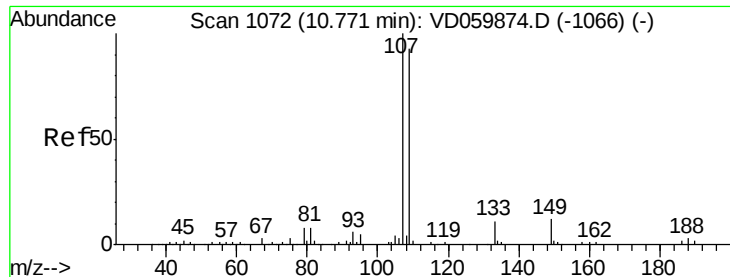
Tot Ion: 43 Resp: 804672
Ion Ratio Lower Upper
43 100
58 44.5 23.3 69.8



#60
Dibromochloromethane
Concen: 20.16 ug/l
RT: 10.62 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 129 Resp: 241340
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.96 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

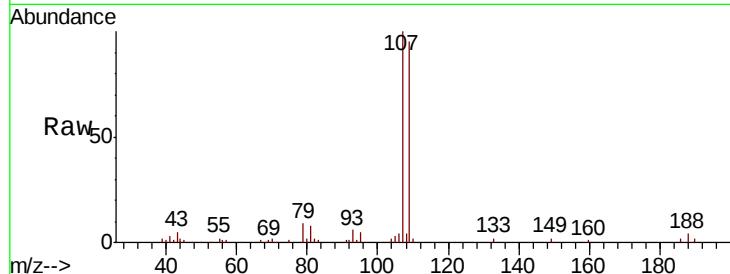
VD0905SBS01

Tot Ion:107 Resp: 192217

Ion Ratio Lower Upper

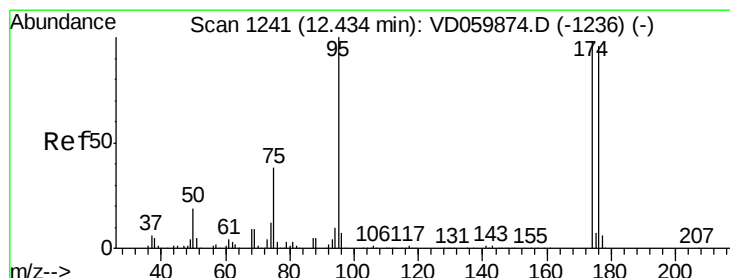
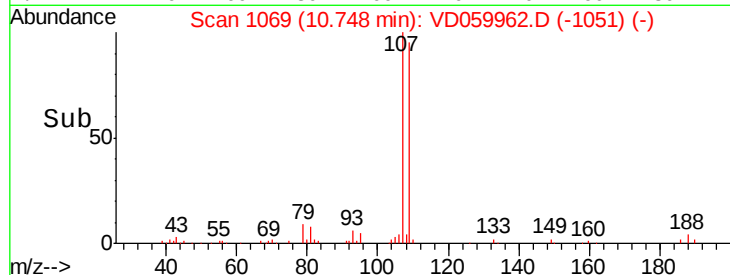
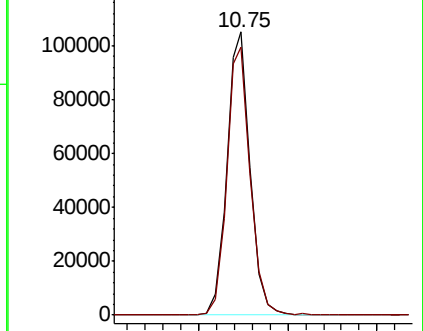
107 100

109 94.8 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.96 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

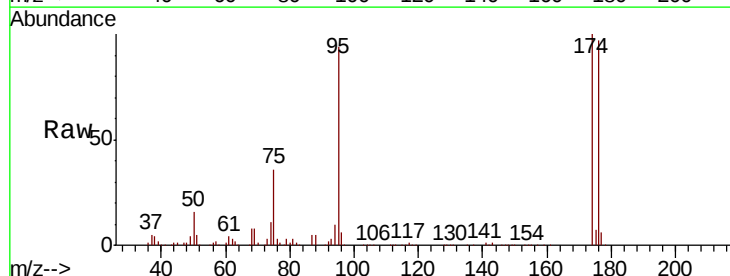
Tgt Ion: 95 Resp: 754428

Ion Ratio Lower Upper

95 100

174 106.8 0.0 195.6

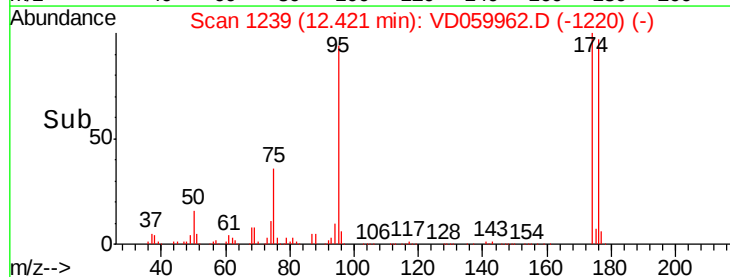
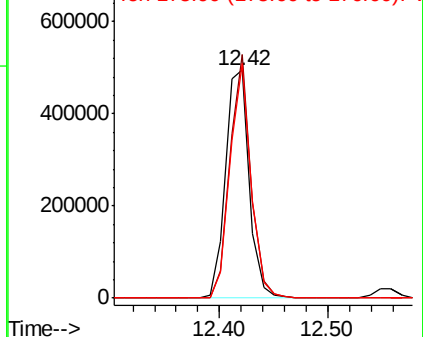
176 103.2 0.0 191.2

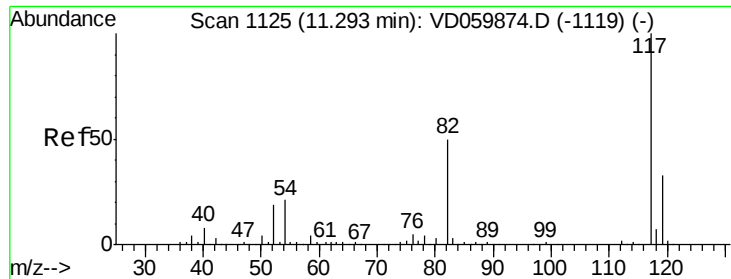


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

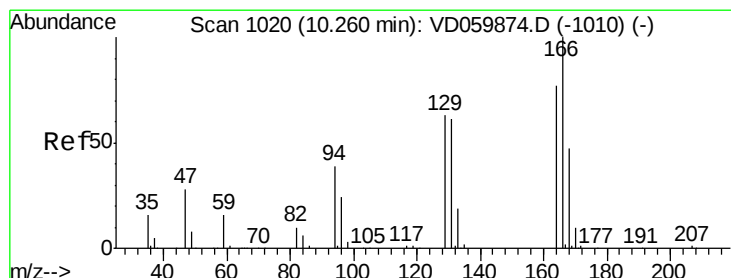
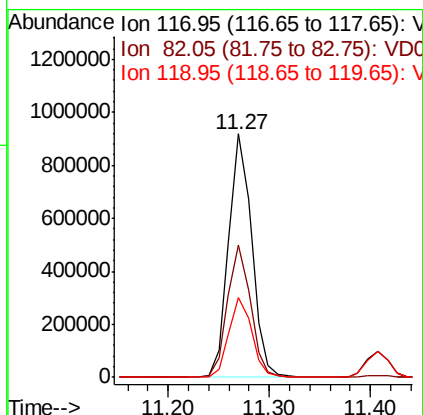
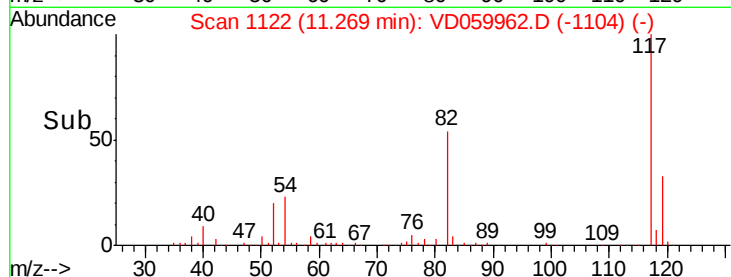
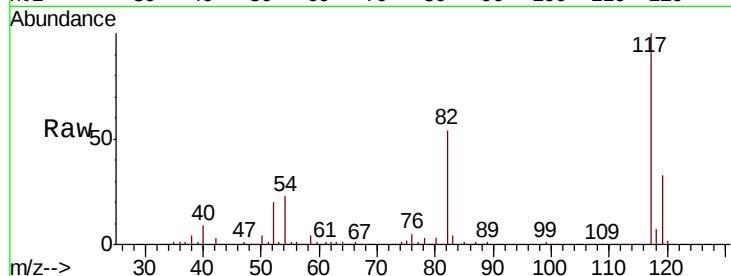




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

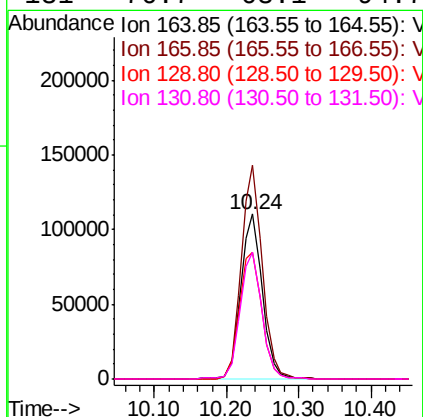
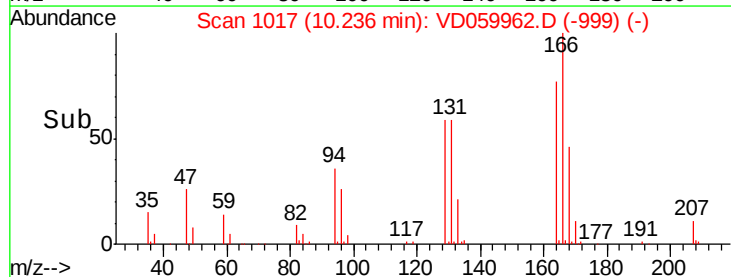
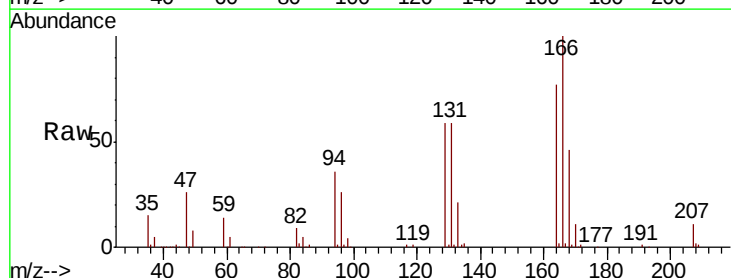
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion:117 Resp: 1467298
Ion Ratio Lower Upper
117 100
82 54.4 40.1 60.1
119 32.9 26.7 40.1



#64
Tetrachloroethene
Concen: 20.31 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:164 Resp: 230457
Ion Ratio Lower Upper
164 100
166 129.8 103.4 155.2
129 77.1 65.2 97.8
131 76.7 63.1 94.7

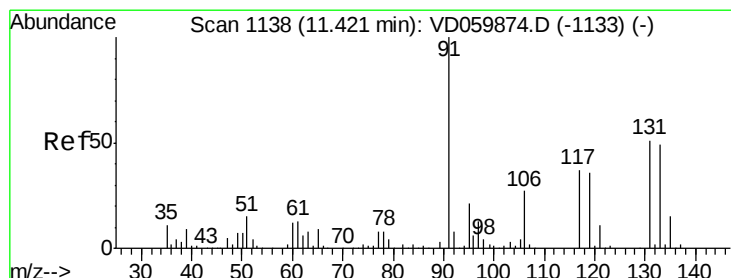
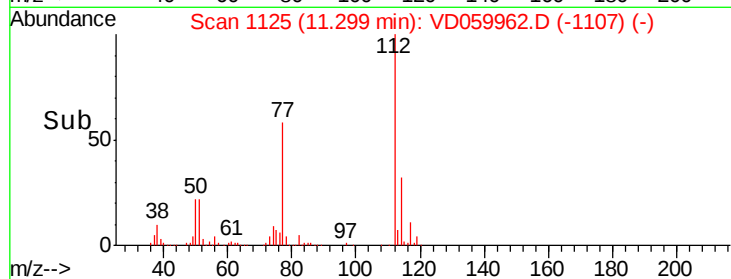
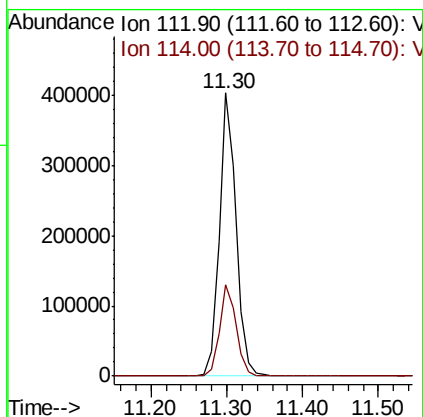
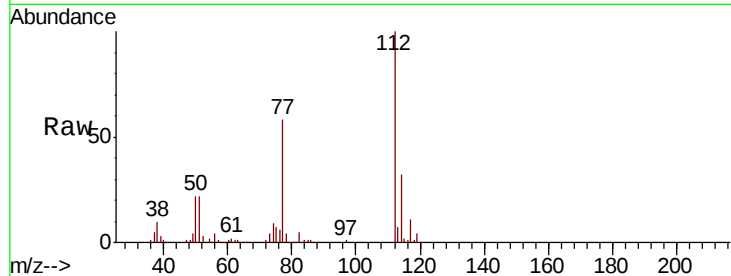




#65
Chlorobenzene
Concen: 21.35 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

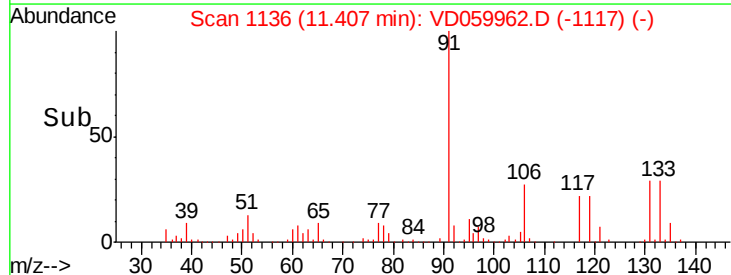
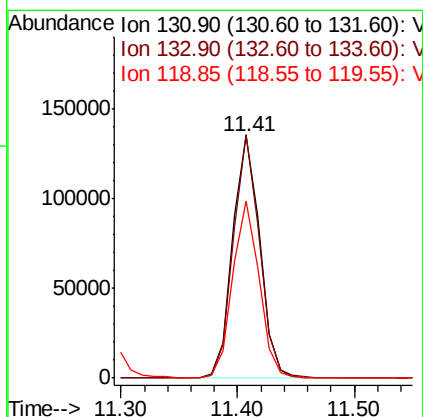
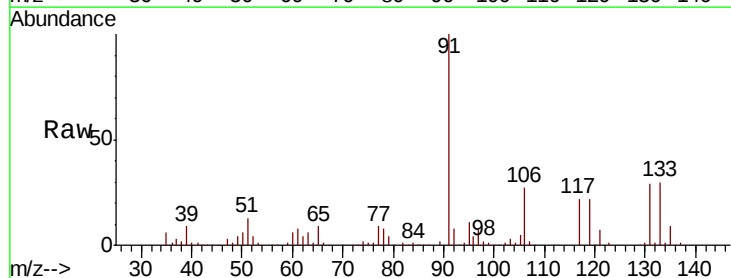
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion:112 Resp: 622654
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.51 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:131 Resp: 218462
Ion Ratio Lower Upper
131 100
133 100.6 48.3 144.8
119 73.2 35.4 106.3

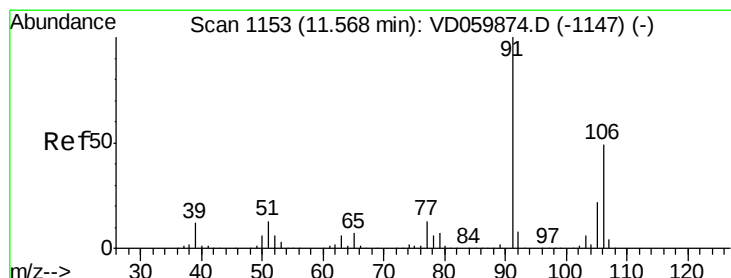
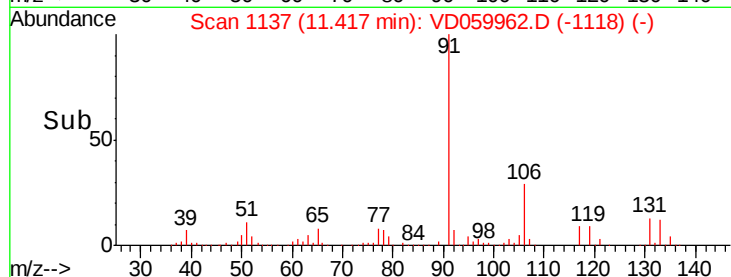
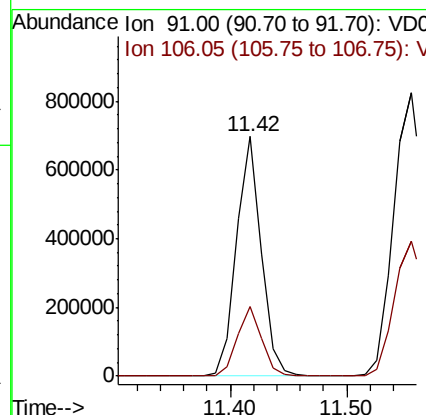
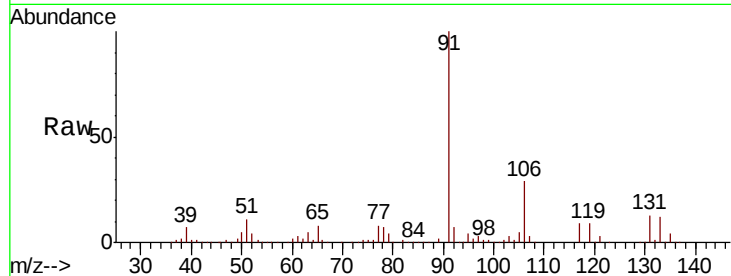




#67
Ethyl Benzene
Concen: 20.89 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

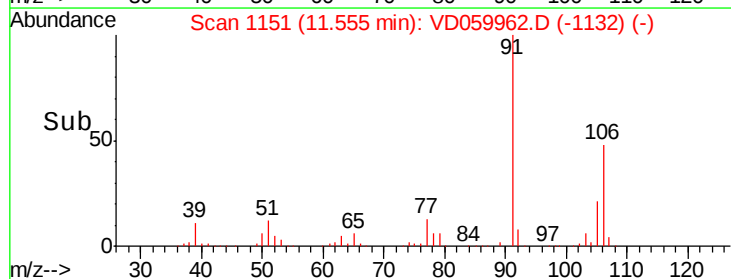
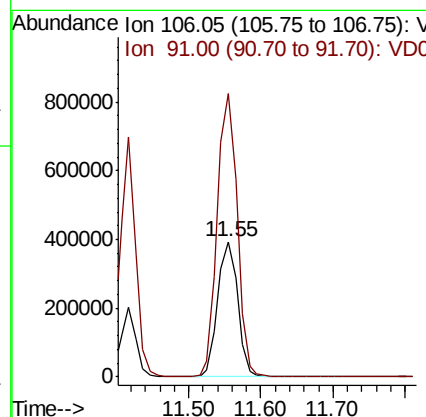
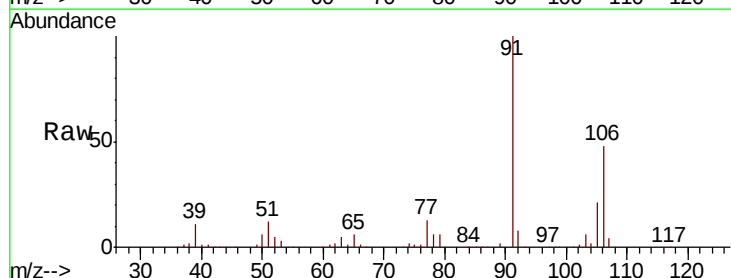
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

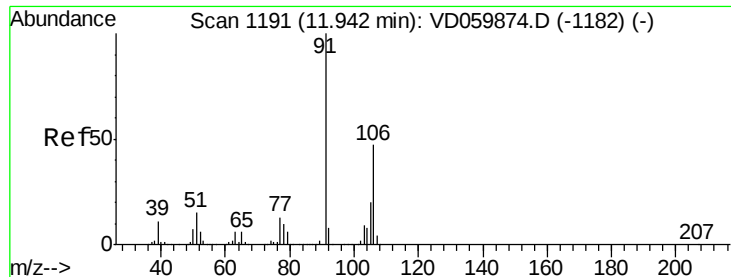
Tot Ion: 91 Resp: 1024742
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8



#68
m/p-Xylenes
Concen: 42.00 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:106 Resp: 750099
Ion Ratio Lower Upper
106 100
91 209.8 162.0 243.0

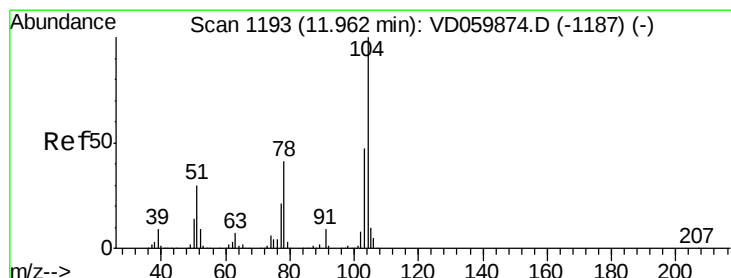
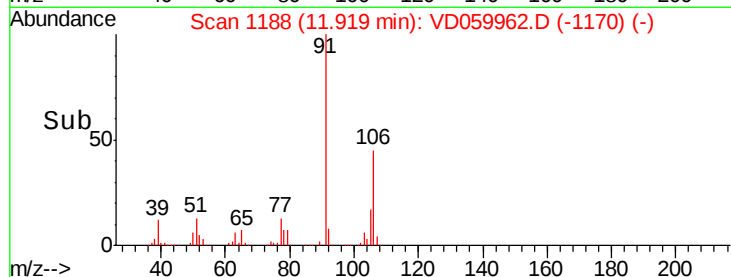
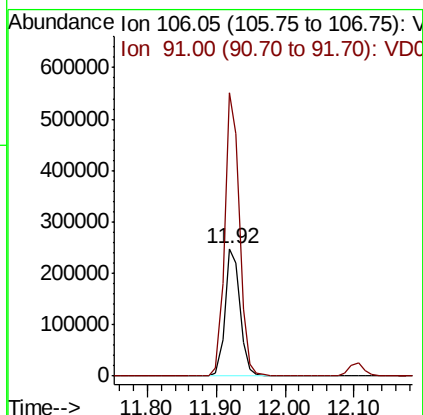
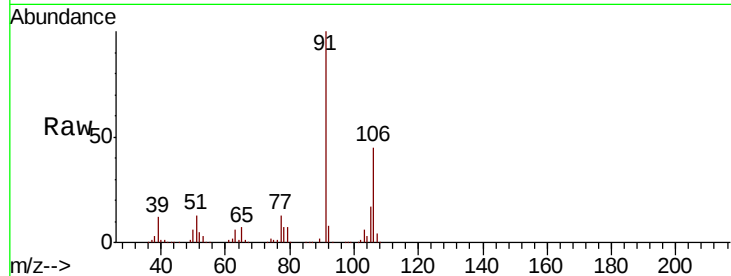




#69
o-Xylene
Concen: 21.44 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

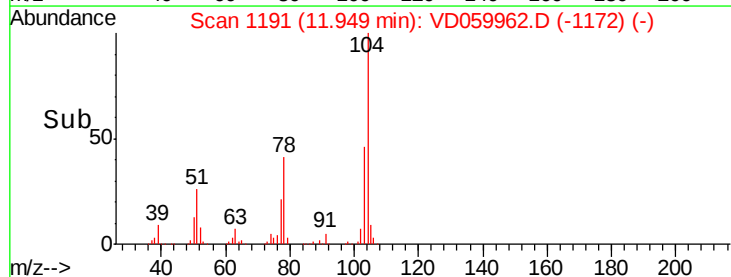
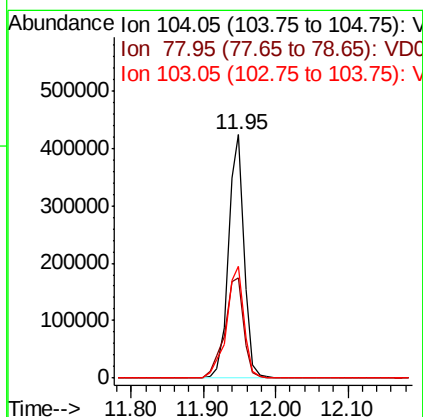
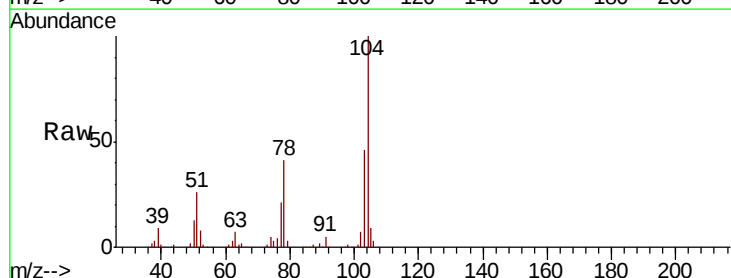
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion:106 Resp: 374537
Ion Ratio Lower Upper
106 100
91 222.2 107.3 322.0



#70
Styrene
Concen: 20.89 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:104 Resp: 631947
Ion Ratio Lower Upper
104 100
78 41.3 32.6 49.0
103 46.0 37.7 56.5

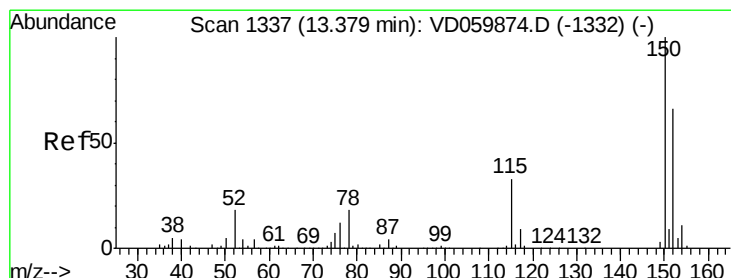
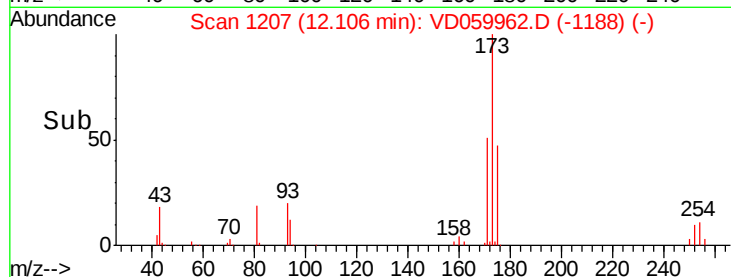
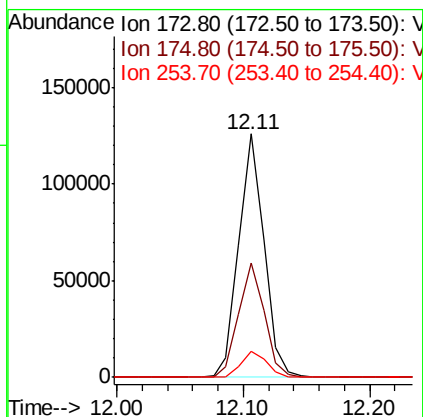
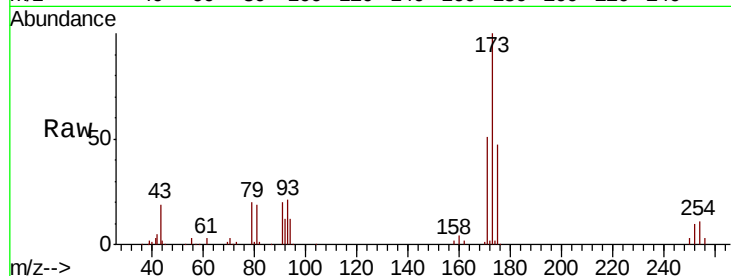




#71
Bromoform
Concen: 18.94 ug/l
RT: 12.11 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

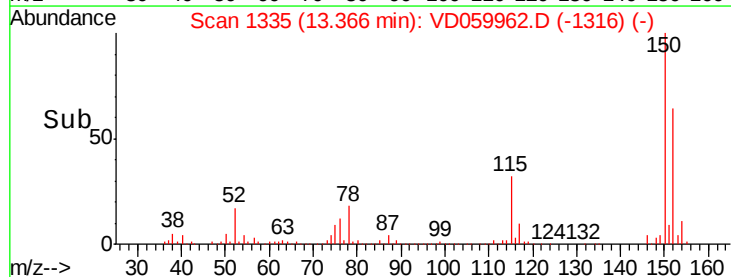
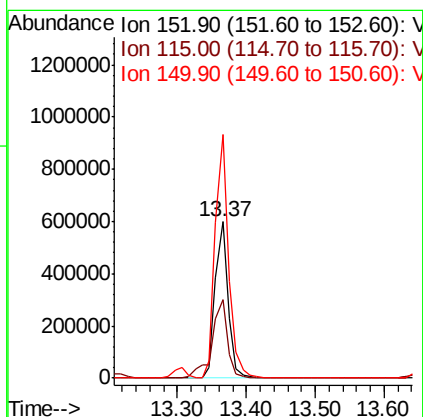
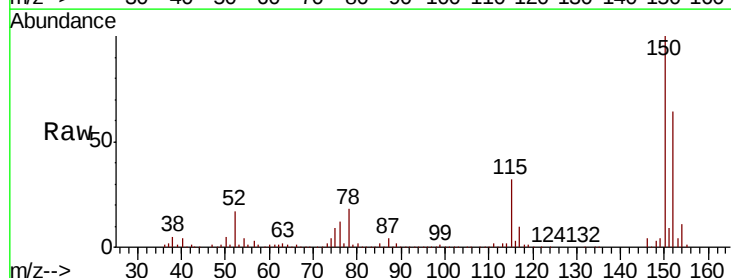
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion:173 Resp: 174616
Ion Ratio Lower Upper
173 100
175 46.8 24.3 73.0
254 10.6 7.0 10.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:152 Resp: 775119
Ion Ratio Lower Upper
152 100
115 50.2 25.7 77.0
150 155.9 0.0 310.2

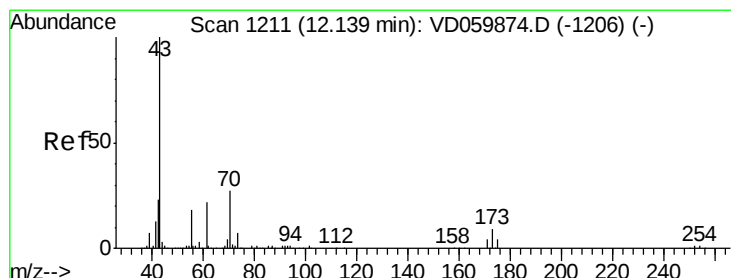
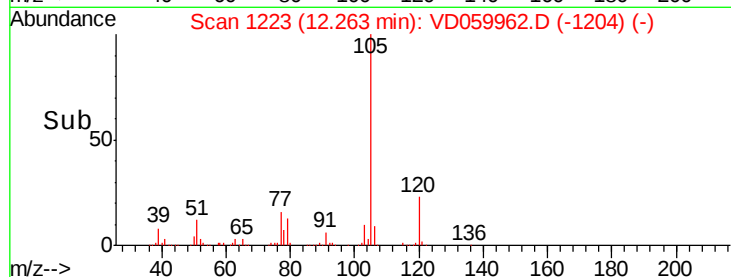
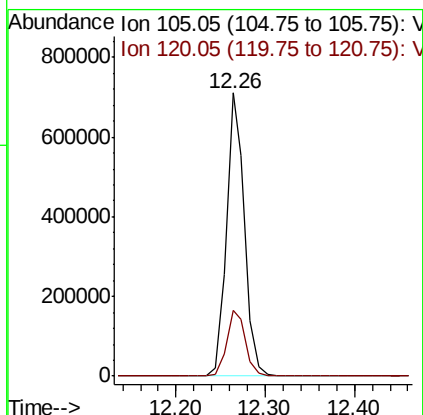
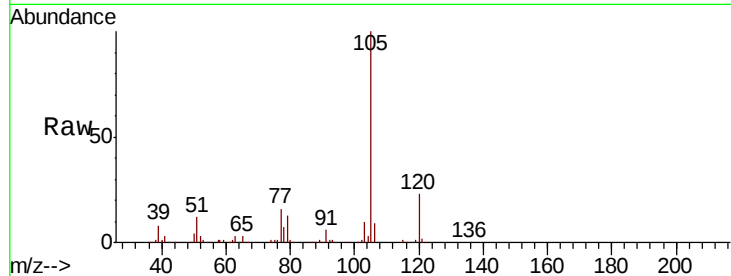




#73
Isopropylbenzene
Concen: 20.53 ug/l
RT: 12.26 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

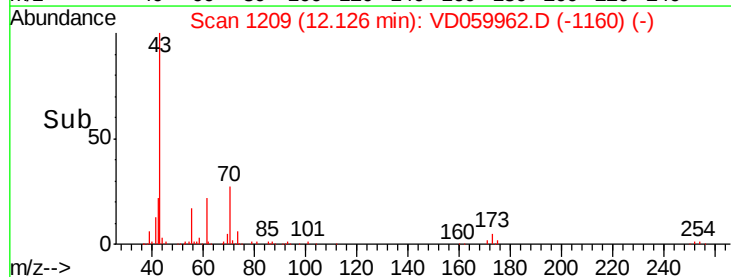
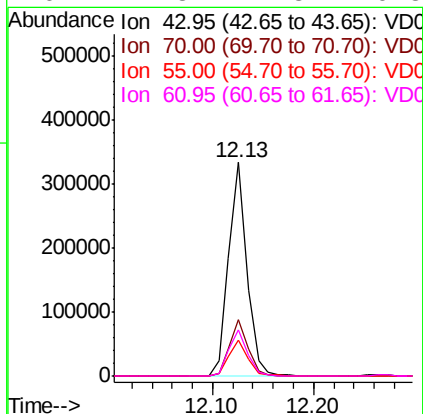
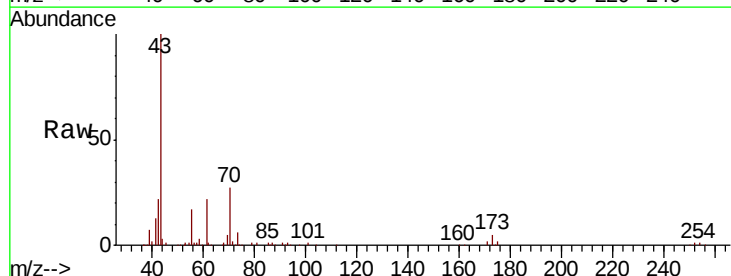
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

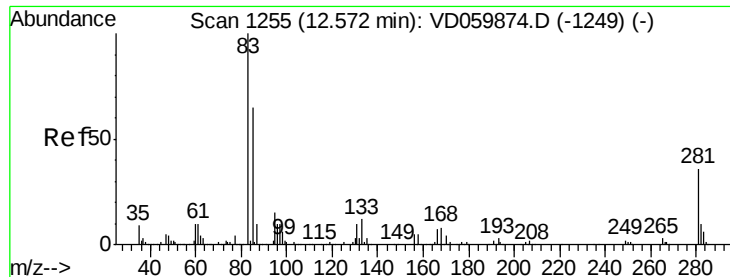
Tot Ion:105 Resp: 1015866
Ion Ratio Lower Upper
105 100
120 23.1 11.8 35.4



#74
N-ethyl acetate
Concen: 19.42 ug/l
RT: 12.13 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 43 Resp: 420666
Ion Ratio Lower Upper
43 100
70 26.5 21.4 32.2
55 16.8 14.1 21.1
61 21.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.62 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

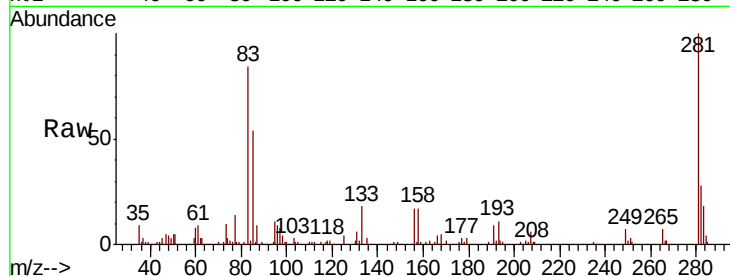
Tot Ion: 83 Resp: 236036

Ion Ratio Lower Upper

83 100

131 7.6 4.8 14.4

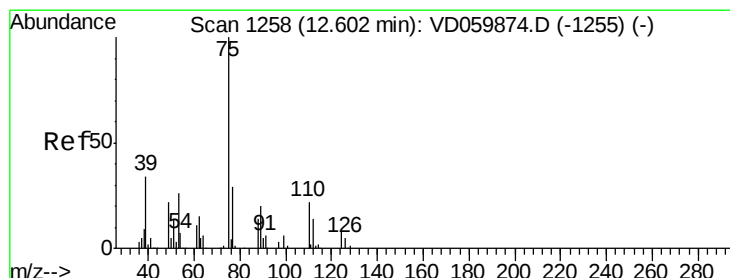
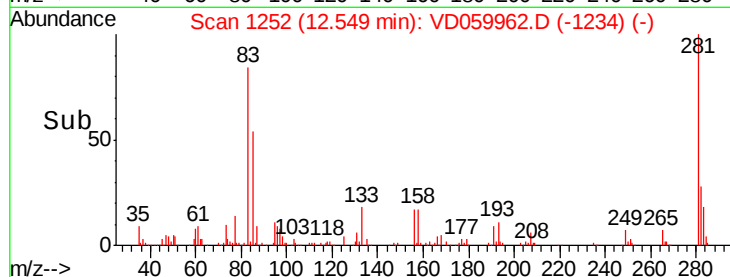
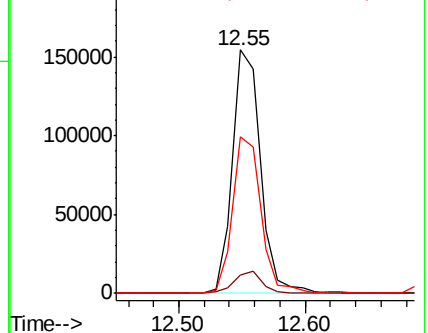
85 64.4 32.6 97.8



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: 19.65 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059962.D

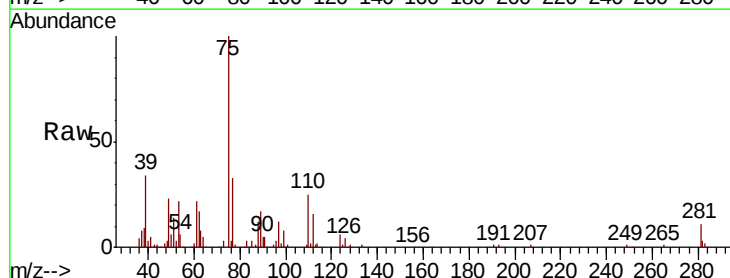
Acq: 5 Sep 2018 11:51

Tgt Ion: 75 Resp: 236755

Ion Ratio Lower Upper

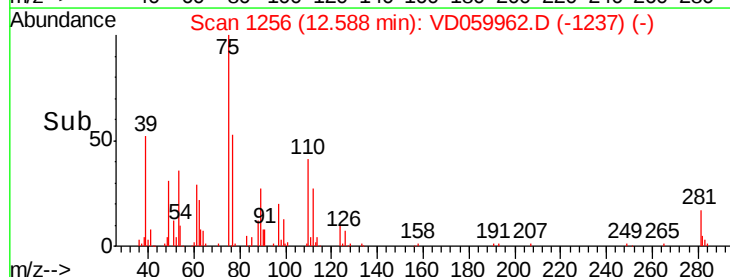
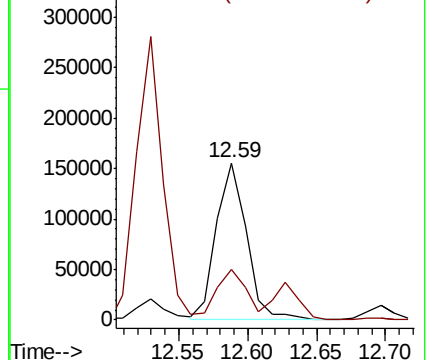
75 100

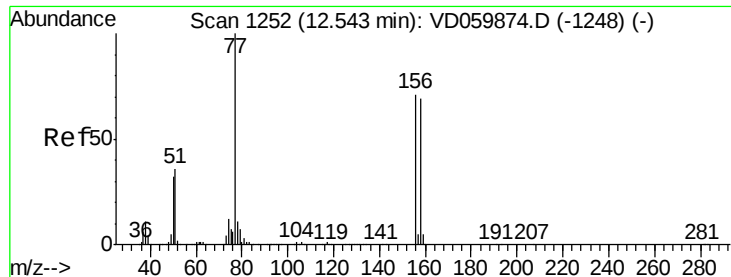
77 32.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.98 ug/l

RT: 12.53 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

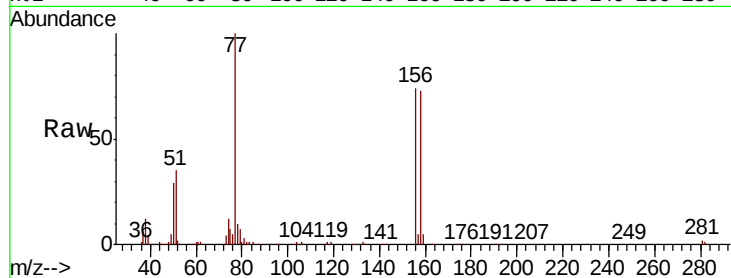
Tot Ion:156 Resp: 287850

Ion Ratio Lower Upper

156 100

77 134.3 70.2 210.4

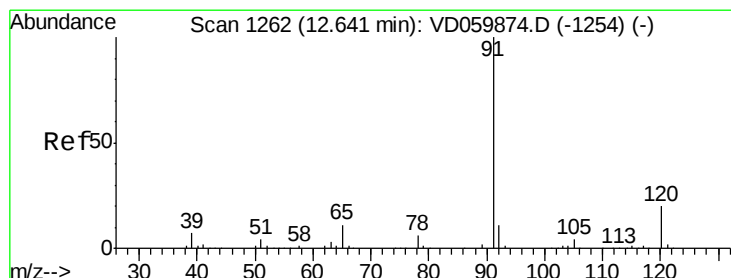
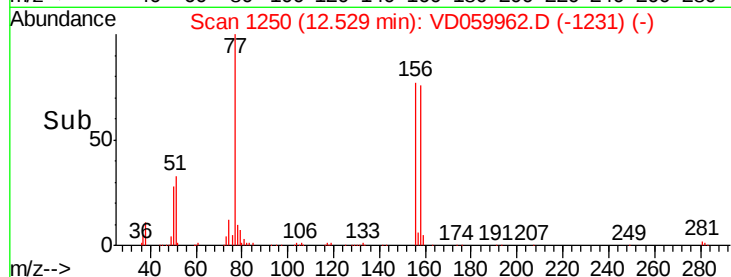
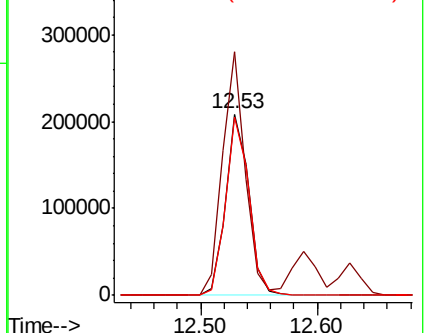
158 98.5 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.13 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD059962.D

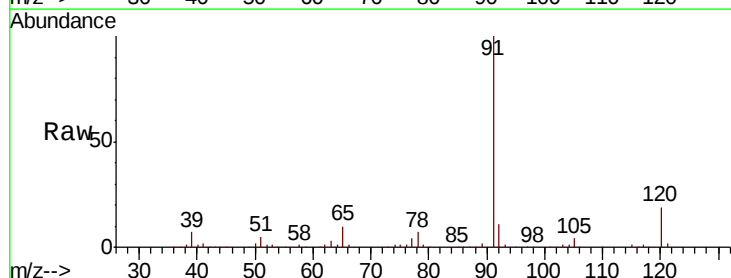
Acq: 5 Sep 2018 11:51

Tgt Ion: 91 Resp: 1323865

Ion Ratio Lower Upper

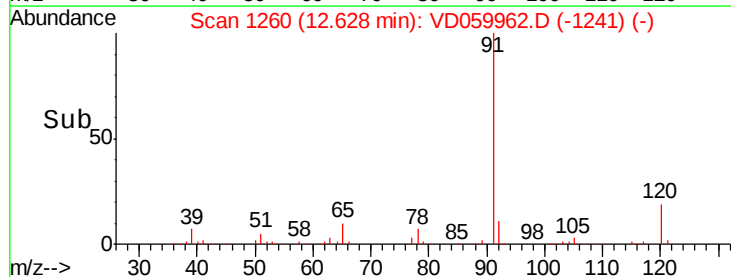
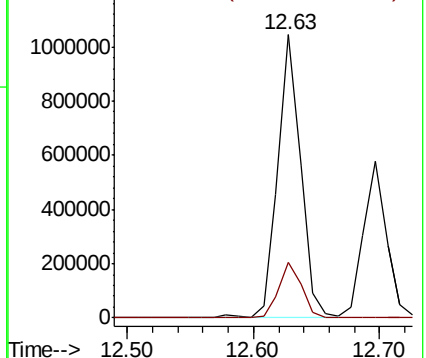
91 100

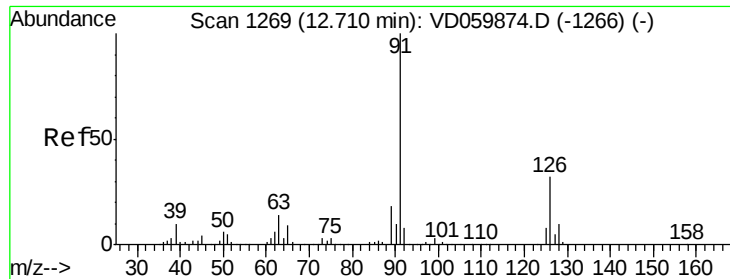
120 19.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

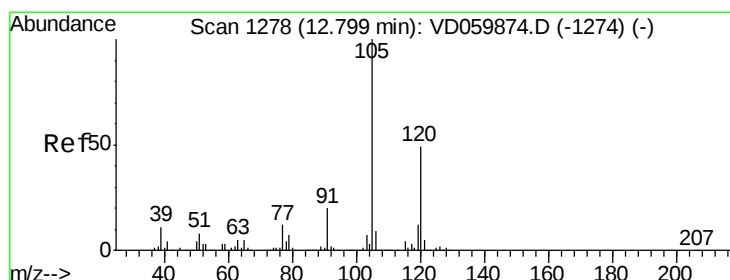
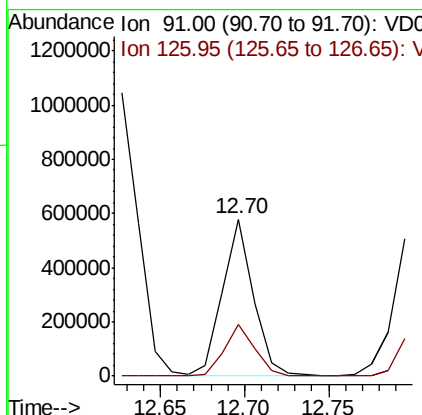
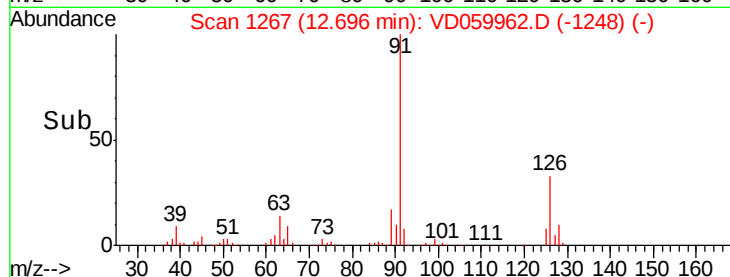
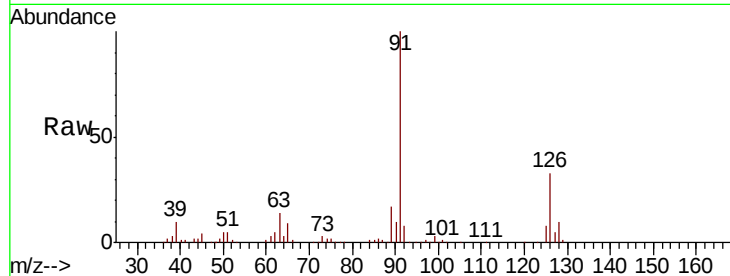




#79
 2-Chlorotoluene
 Concen: 20.83 ug/l
 RT: 12.70 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

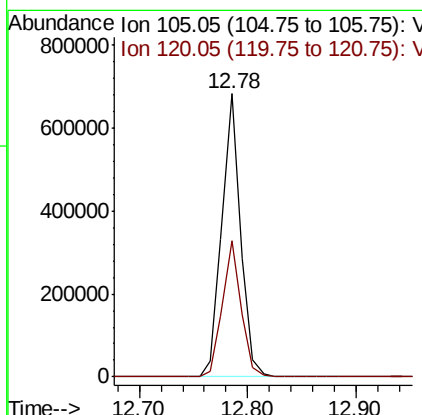
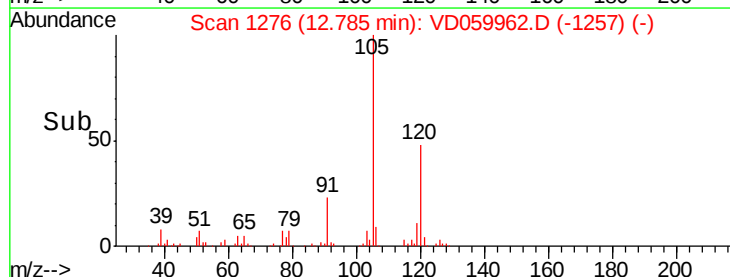
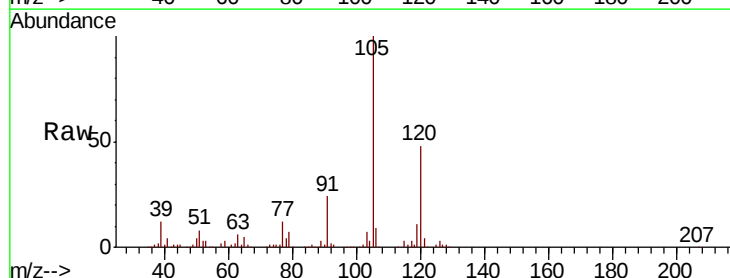
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

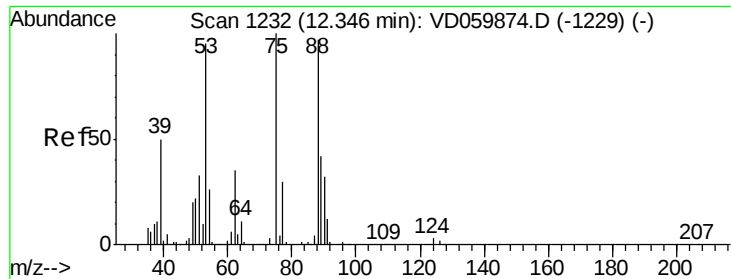
Tot Ion: 91 Resp: 738082
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.87 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion: 105 Resp: 820997
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.38 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

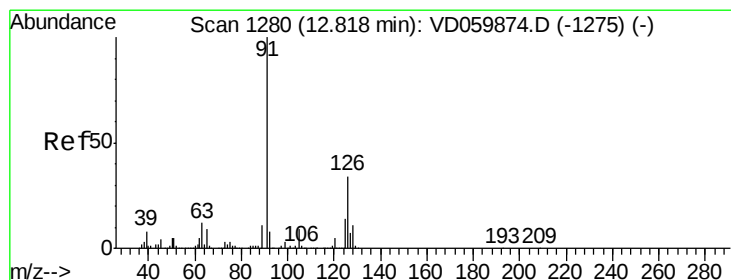
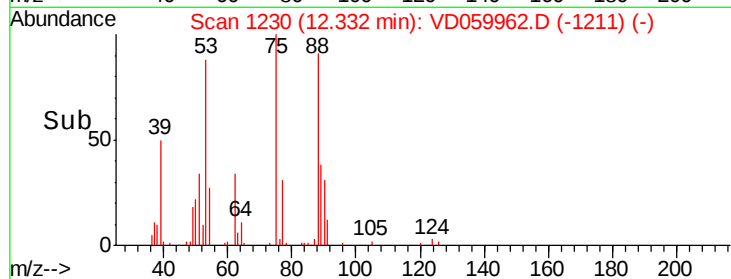
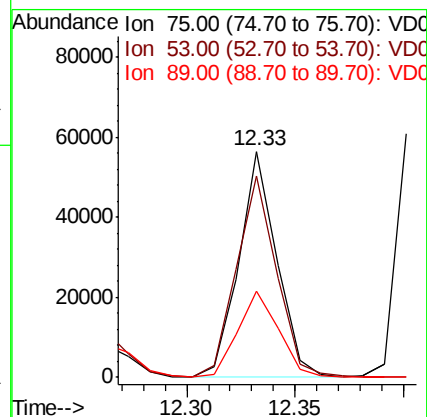
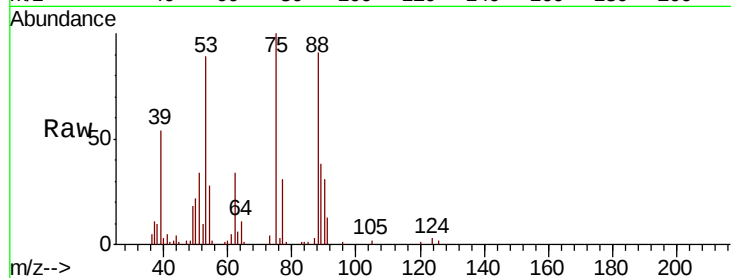
Tot Ion: 75 Resp: 68860

Ion Ratio Lower Upper

75 100

53 88.9 75.8 113.6

89 38.2 33.6 50.4



#82

4-Chlorotoluene

Concen: 21.26 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059962.D

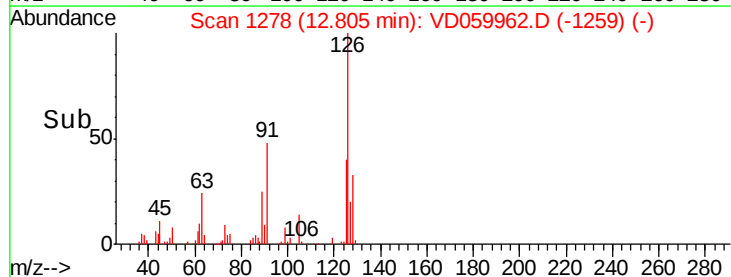
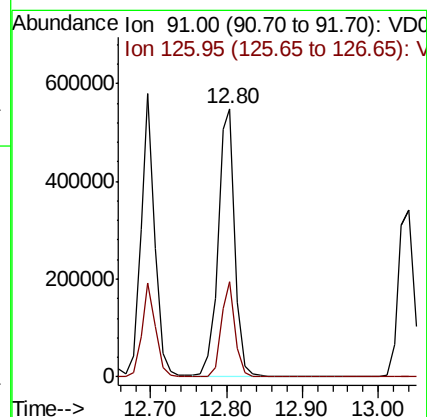
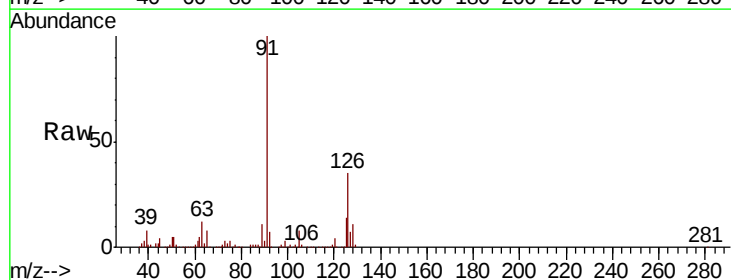
Acq: 5 Sep 2018 11:51

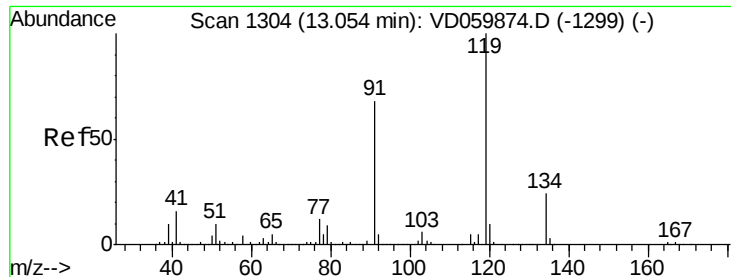
Tgt Ion: 91 Resp: 859229

Ion Ratio Lower Upper

91 100

126 35.2 17.1 51.2

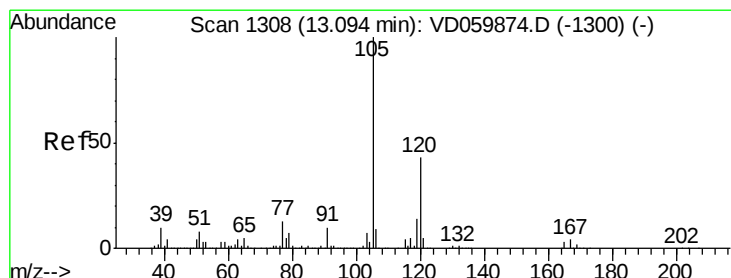
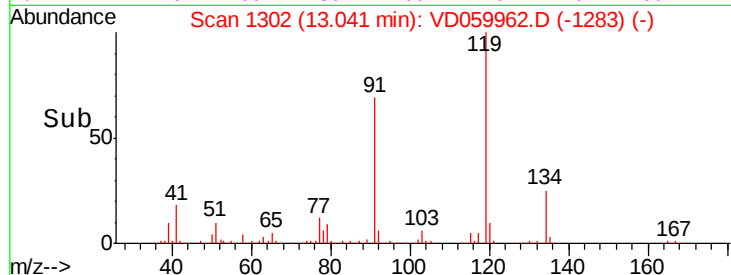
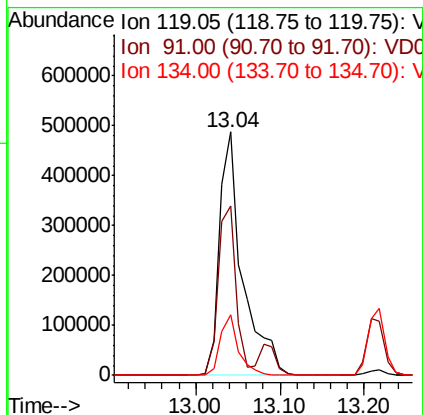
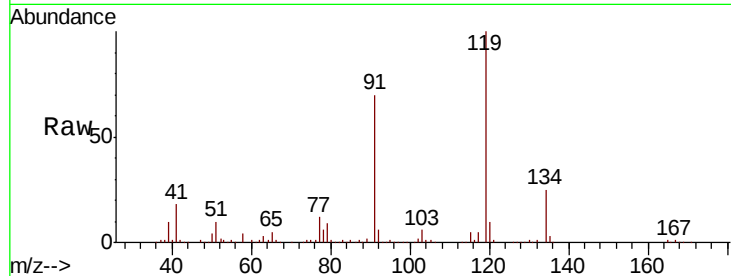




#83
tert-Butylbenzene
Concen: 20.75 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

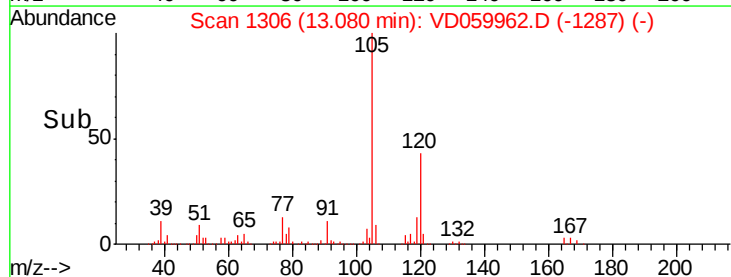
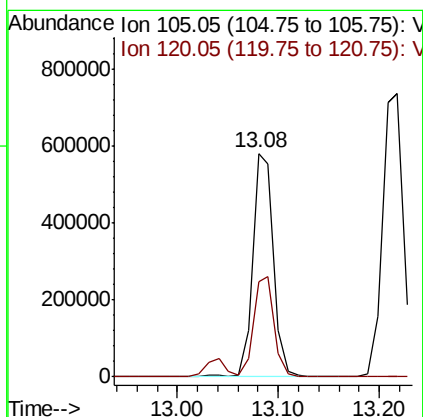
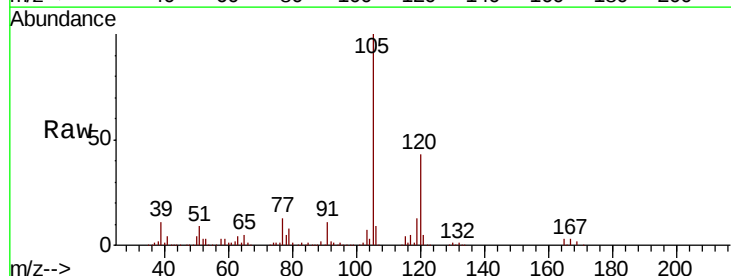
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

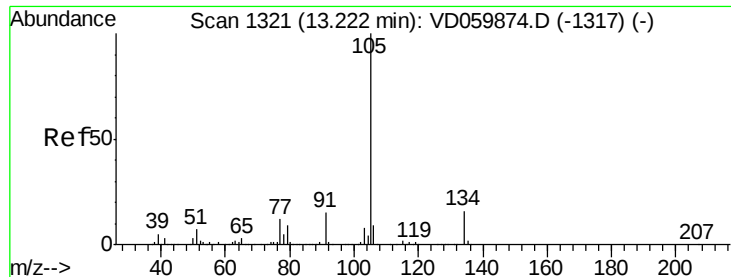
Tot Ion:119 Resp: 929875
Ion Ratio Lower Upper
119 100
91 69.8 34.3 102.9
134 24.6 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 20.40 ug/l
RT: 13.08 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:105 Resp: 836275
Ion Ratio Lower Upper
105 100
120 42.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 20.69 ug/l

RT: 13.22 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

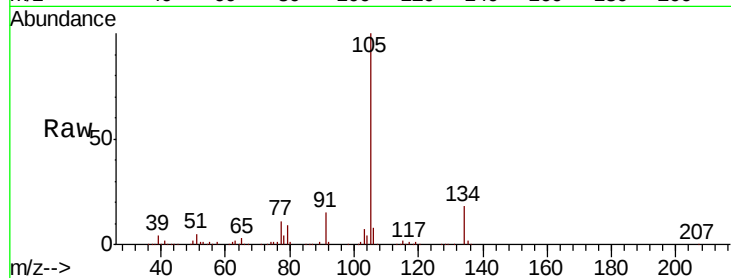
VD0905SBS01

Tot Ion:105 Resp: 1090206

Ion Ratio Lower Upper

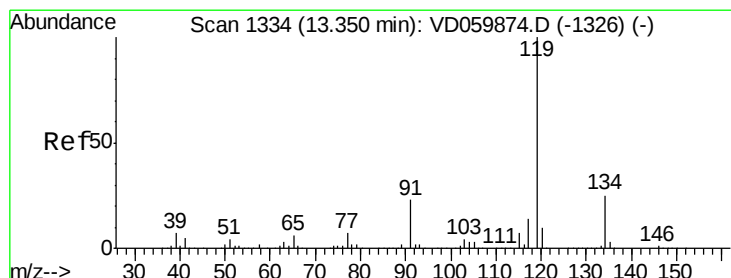
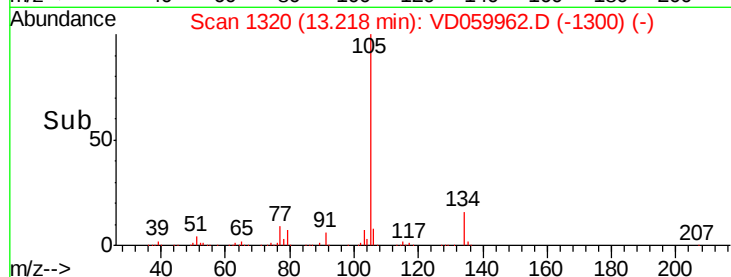
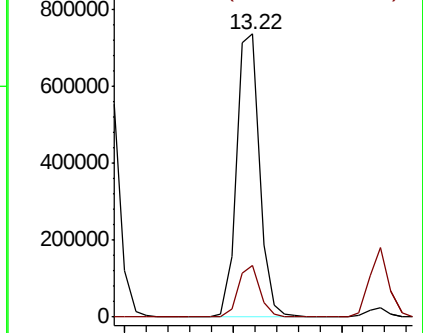
105 100

134 18.1 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.33 ug/l

RT: 13.34 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

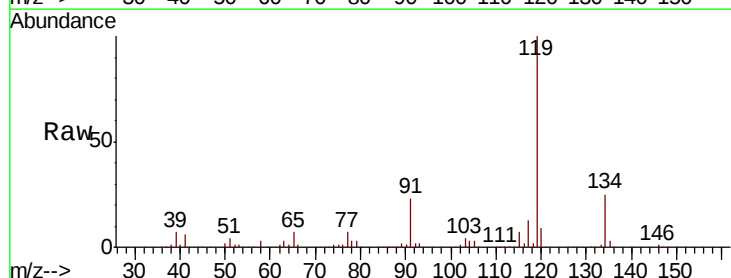
Tgt Ion:119 Resp: 914328

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

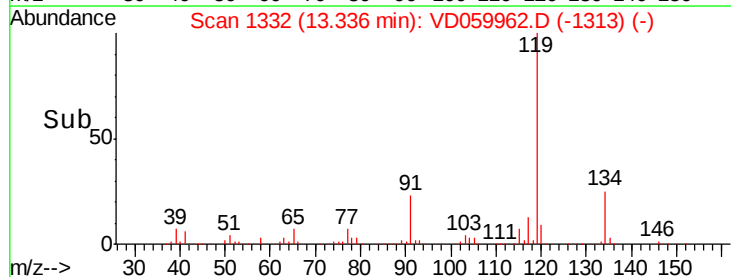
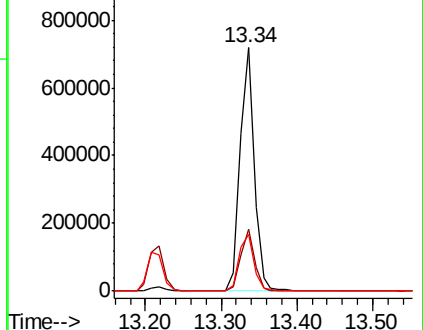
91 23.3 11.7 35.0

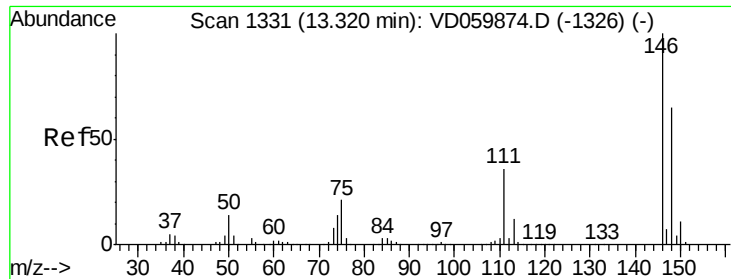


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

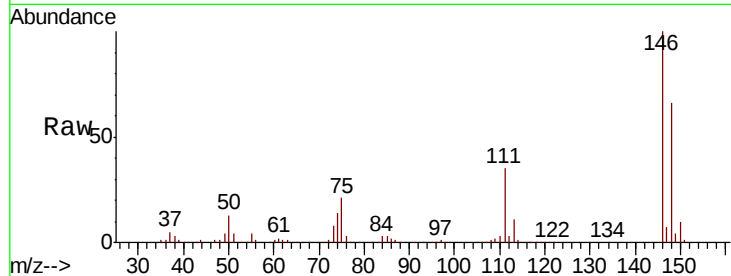




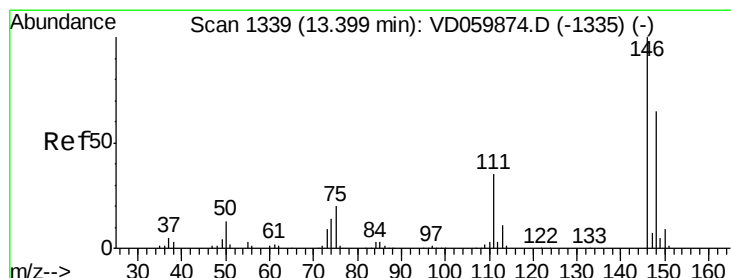
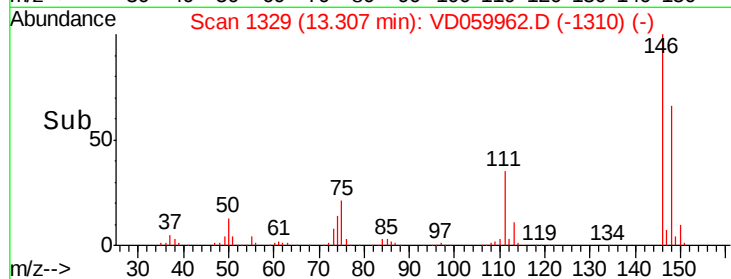
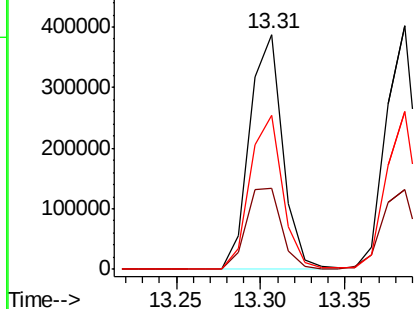
#87
 1,3-Dichlorobenzene
 Concen: 21.58 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion:146 Resp: 528522
 Ion Ratio Lower Upper
 146 100
 111 34.6 17.9 53.7
 148 65.6 32.4 97.0

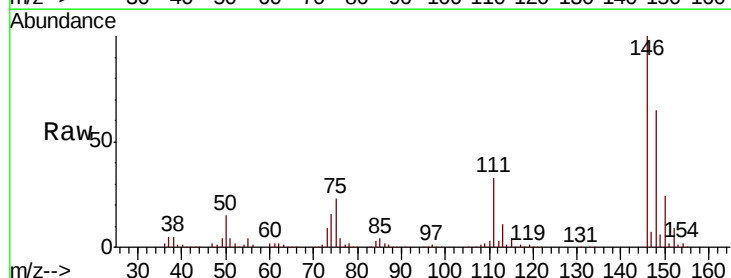


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

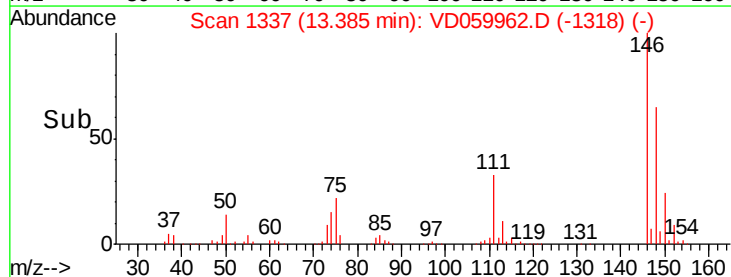
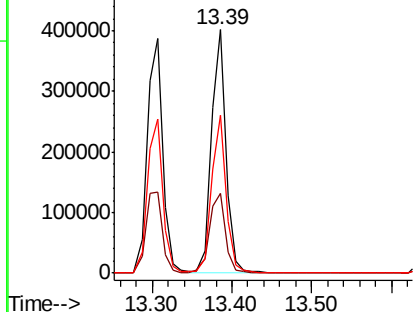


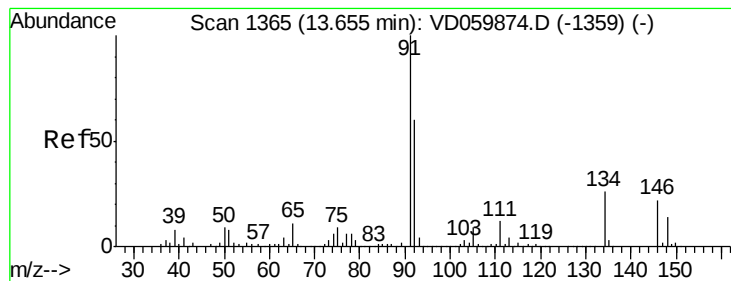
#88
 1,4-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 13.39 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion:146 Resp: 516500
 Ion Ratio Lower Upper
 146 100
 111 32.7 17.5 52.6
 148 64.8 32.5 97.5



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





#89

n-Butylbenzene

Concen: 20.73 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

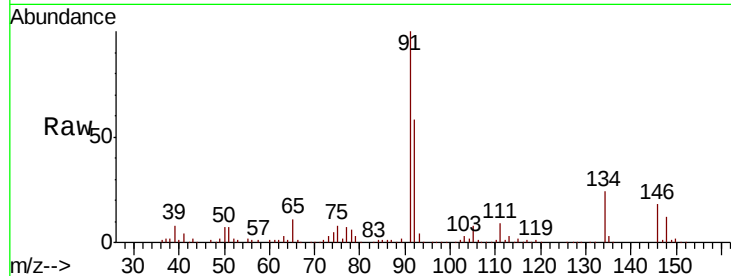
Tot Ion: 91 Resp: 957926

Ion Ratio Lower Upper

91 100

92 58.5 30.0 90.1

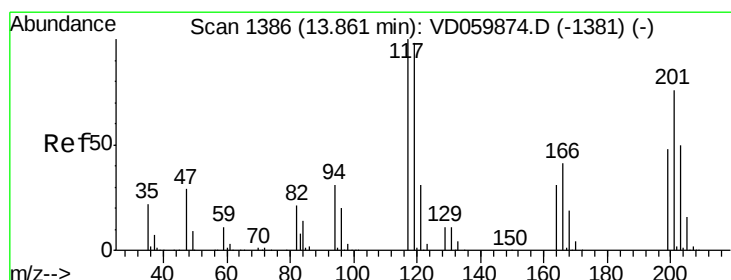
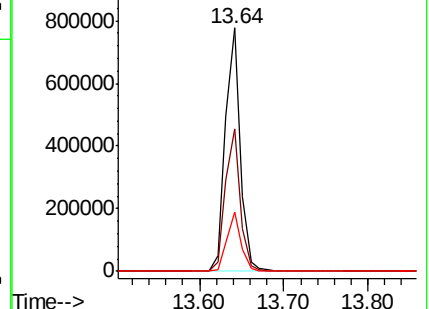
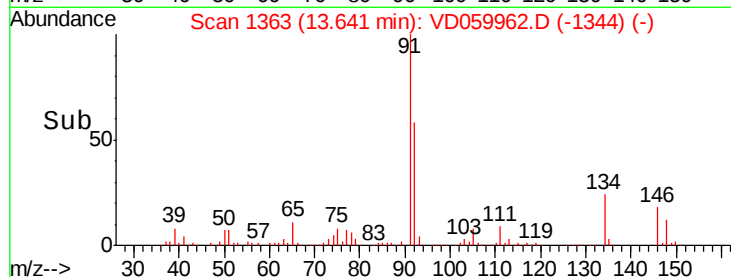
134 24.2 12.8 38.4



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: 18.49 ug/l

RT: 13.85 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VD059962.D

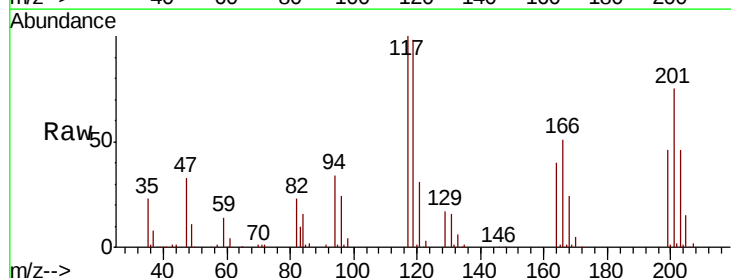
Acq: 5 Sep 2018 11:51

Tgt Ion: 117 Resp: 212733

Ion Ratio Lower Upper

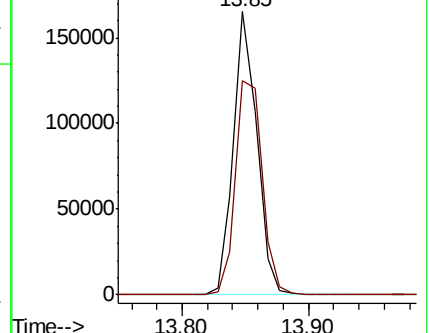
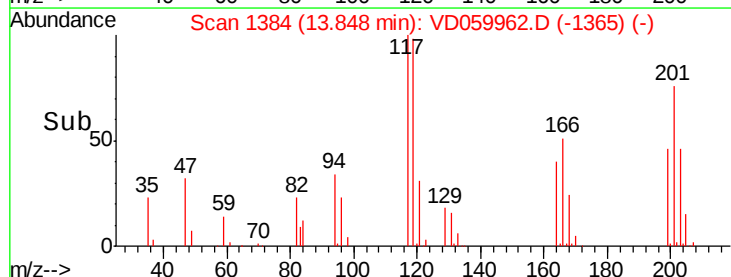
117 100

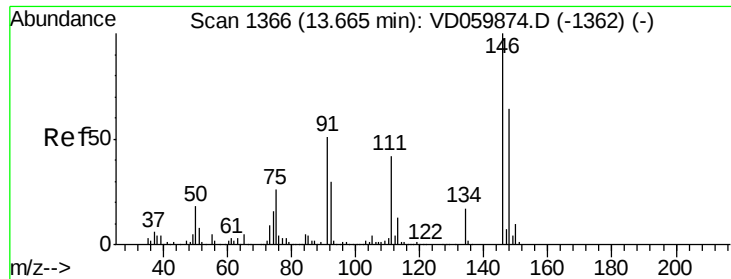
201 75.5 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 22.78 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

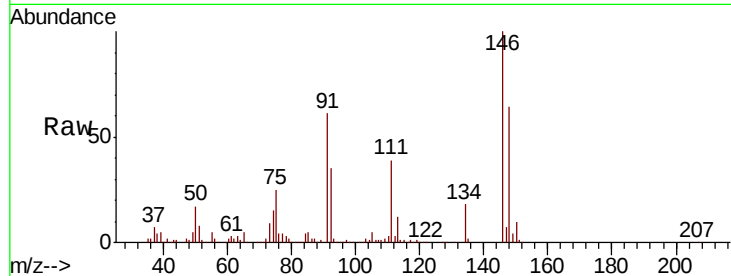
Tot Ion:146 Resp: 474373

Ion Ratio Lower Upper

146 100

111 39.0 21.1 63.1

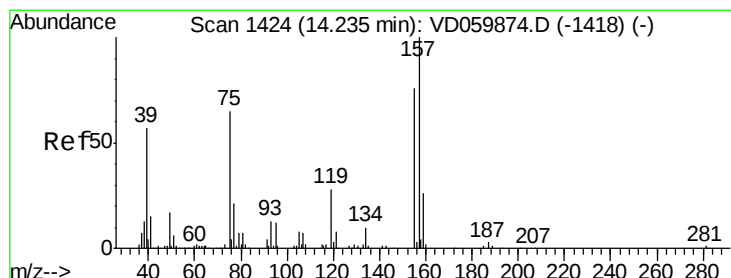
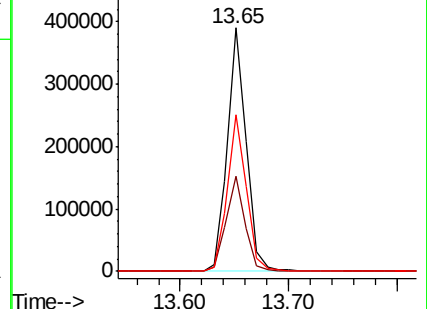
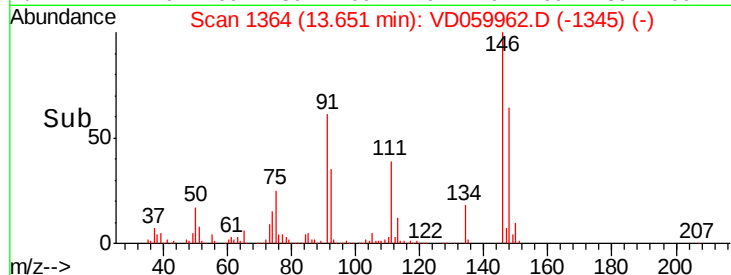
148 64.5 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.06 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

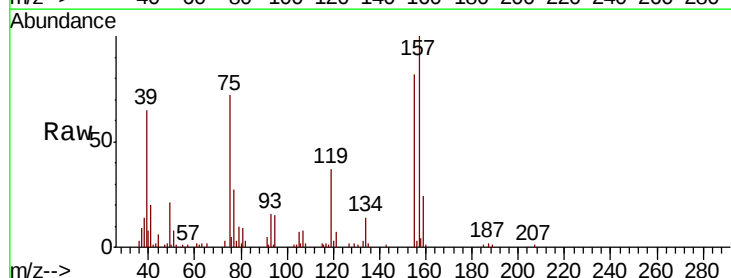
Tgt Ion: 75 Resp: 31773

Ion Ratio Lower Upper

75 100

155 112.8 58.2 174.6

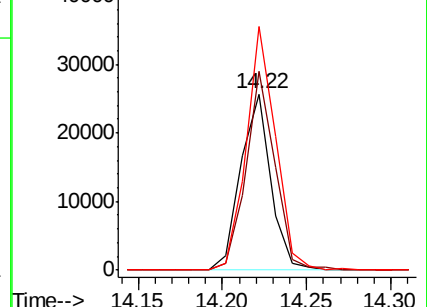
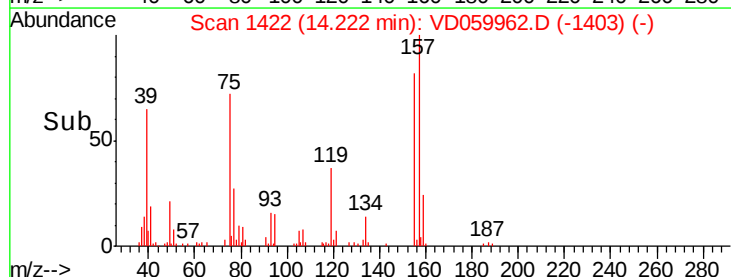
157 138.2 76.8 230.4

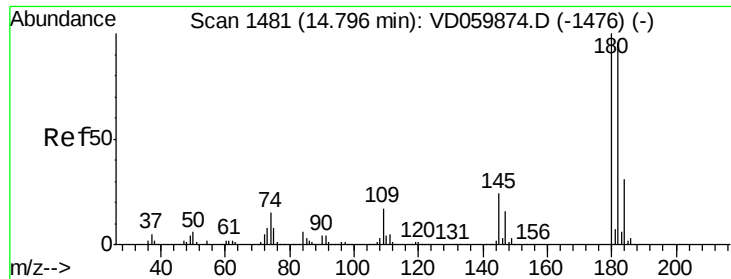


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

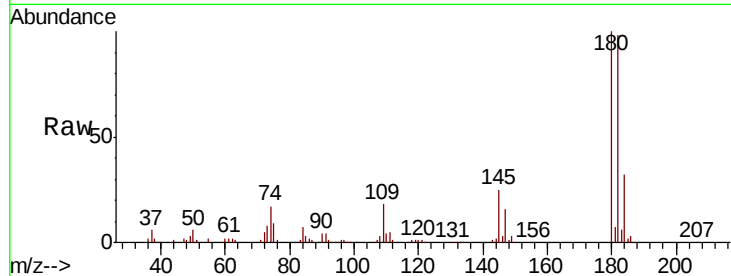




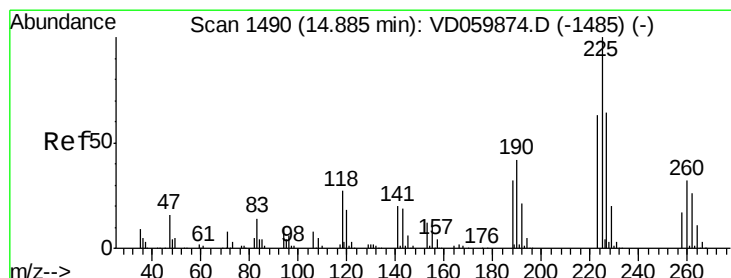
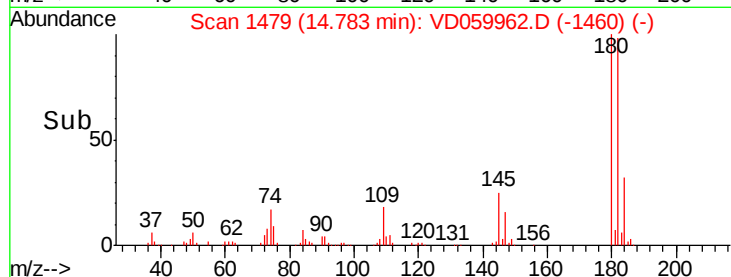
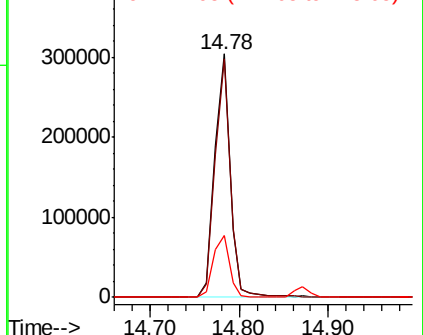
#93
 1,2,4-Trichlorobenzene
 Concen: 20.78 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion:180 Resp: 370434
 Ion Ratio Lower Upper
 180 100
 182 98.0 47.9 143.7
 145 25.5 12.2 36.4

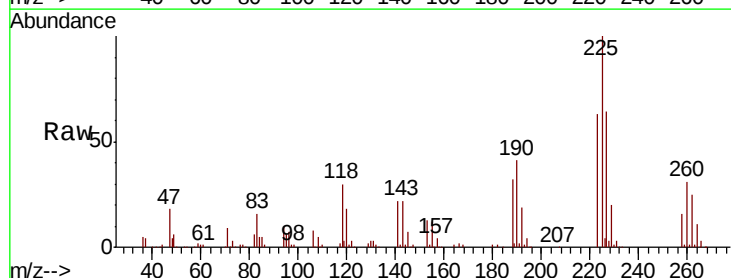


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

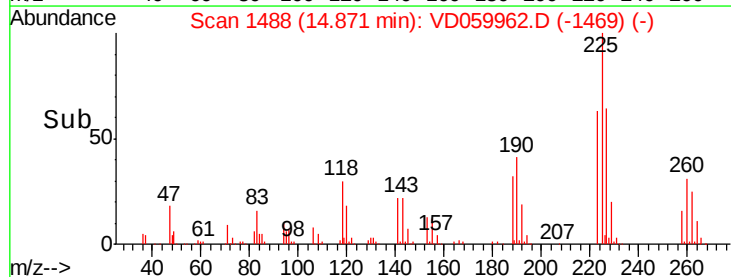
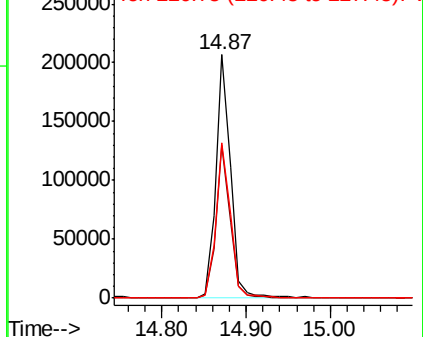


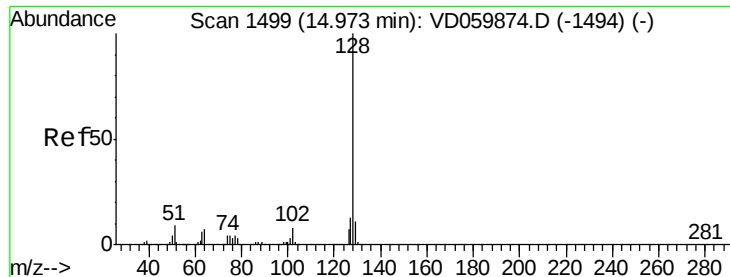
#94
 Hexachlorobutadiene
 Concen: 21.43 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion:225 Resp: 250461
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 94.8
 227 63.8 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

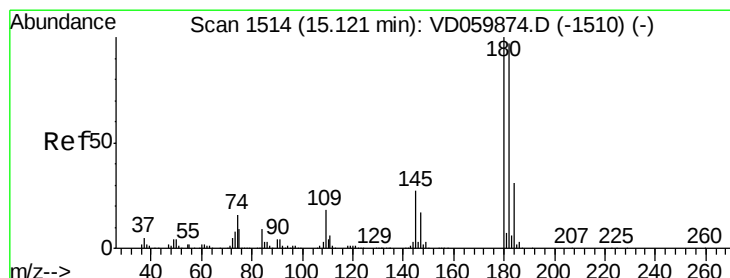
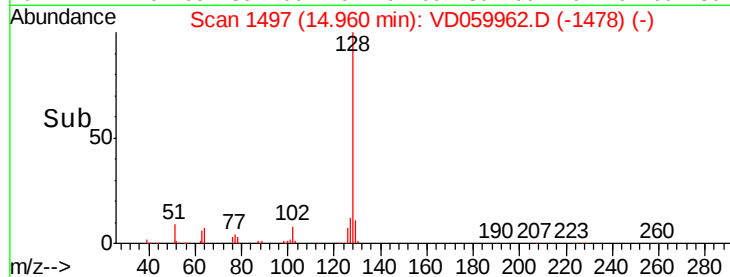
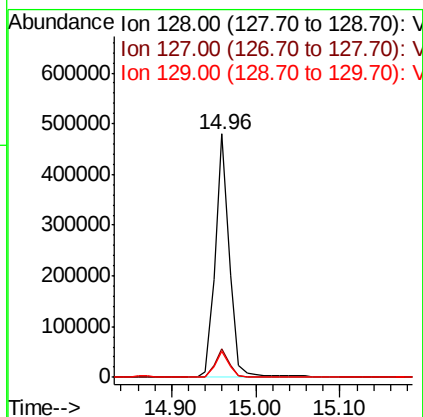
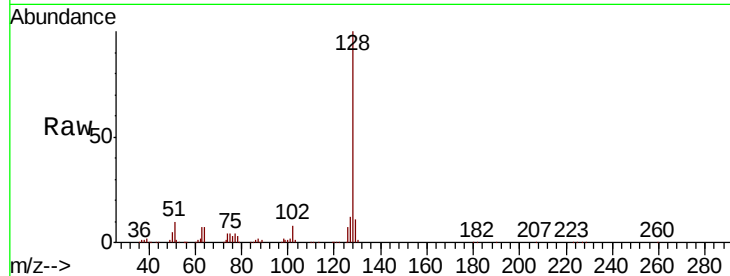




#95
Naphthalene
Concen: 20.52 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion:128 Resp: 559117
Ion Ratio Lower Upper
128 100
127 11.9 10.0 15.0
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.38 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:180 Resp: 310866
Ion Ratio Lower Upper
180 100
182 97.4 48.6 145.8
145 27.6 13.6 40.8

