

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060049.D
 Acq On : 20 Sep 2018 11:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 20 15:58:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1655658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2346035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1893405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	1021904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	679162	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
35) Dibromofluoromethane	6.30	113	937796	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
50) Toluene-d8	9.44	98	2597834	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.42	95	973757	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	826946	47.32	ug/l	99
3) Chloromethane	1.75	50	745868	48.31	ug/l	98
4) Vinyl Chloride	1.84	62	611166	49.25	ug/l	99
5) Bromomethane	2.13	94	94417	64.27	ug/l	96
6) Chloroethane	2.25	64	172205	62.07	ug/l	97
7) Trichlorofluoromethane	2.49	101	743470	54.41	ug/l	99
8) Diethyl Ether	2.81	74	151476	52.15	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.07	101	472785	54.87	ug/l	98
10) Methyl Iodide	3.23	142	505588	55.41	ug/l	96
11) Tert butyl alcohol	3.95	59	224948	215.92	ug/l	99
12) 1,1-Dichloroethene	3.05	96	371855	54.59	ug/l	97
13) Acrolein	2.96	56	139808	216.70	ug/l	97
14) Allyl chloride	3.52	41	730379	50.84	ug/l	97
15) Acrylonitrile	4.07	53	994362	252.85	ug/l	99
16) Acetone	3.14	43	651229	261.24	ug/l	98
17) Carbon Disulfide	3.30	76	1211266	51.60	ug/l	99
18) Methyl Acetate	3.53	43	255832	50.46	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	1599759	50.82	ug/l	97
20) Methylene Chloride	3.70	84	936178	53.25	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	912516	51.04	ug/l	94
22) Diisopropyl ether	4.83	45	3408712	52.01	ug/l	97
23) Vinyl Acetate	4.78	43	9587123	258.23	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1553073	52.81	ug/l	100
25) 2-Butanone	5.60	43	1602887	238.29	ug/l	100
26) 2,2-Dichloropropane	5.56	77	1199472	52.46	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	961046	51.39	ug/l	99
28) Bromochloromethane	5.91	49	765964	54.18	ug/l	99
29) Tetrahydrofuran	5.94	42	866042	240.07	ug/l	98
30) Chloroform	6.08	83	1589074	53.28	ug/l	100
31) Cyclohexane	6.35	56	1344075	46.87	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1261697	51.01	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1167830	50.11	ug/l	100
37) Ethyl Acetate	5.68	43	759070	47.37	ug/l	98
38) Carbon Tetrachloride	6.48	117	1057419	48.61	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092018\
 Data File : VD060049.D
 Acq On : 20 Sep 2018 11:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 20 15:58:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1314865	49.88	ug/l	97
40) Benzene	6.77	78	3068542	51.66	ug/l	99
41) Methacrylonitrile	5.93	41	884442	105.37	ug/l #	87
42) 1,2-Dichloroethane	6.88	62	896919	50.29	ug/l	99
43) Isopropyl Acetate	8.34	43	1036730	48.32	ug/l #	95
44) Trichloroethene	7.73	130	935638	50.98	ug/l	95
45) 1,2-Dichloropropane	8.09	63	821386	51.72	ug/l	98
46) Dibromomethane	8.20	93	528169	50.97	ug/l	96
47) Bromodichloromethane	8.47	83	1158371	51.85	ug/l	99
48) Methyl methacrylate	8.23	41	584062	48.87	ug/l	97
49) 1,4-Dioxane	8.21	88	113730	958.18	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	3226991	225.31	ug/l	99
52) Toluene	9.54	92	1906868	50.09	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	1060201	50.88	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	1305163	52.42	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	654633	49.52	ug/l	97
56) Ethyl methacrylate	10.02	69	745025	50.81	ug/l	96
57) 1,3-Dichloropropane	10.37	76	1016488	52.09	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	1907543	269.42	ug/l	98
59) 2-Hexanone	10.47	43	2381098	233.70	ug/l	100
60) Dibromochloromethane	10.63	129	845788	52.57	ug/l	98
61) 1,2-Dibromoethane	10.75	107	690734	50.61	ug/l	97
64) Tetrachloroethene	10.24	164	873016	52.26	ug/l	99
65) Chlorobenzene	11.30	112	2085232	51.22	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	730886	53.23	ug/l	99
67) Ethyl Benzene	11.42	91	3473681	53.03	ug/l	99
68) m/p-Xylenes	11.56	106	2594308	107.23	ug/l	98
69) o-Xylene	11.93	106	1228916	51.26	ug/l	96
70) Styrene	11.95	104	1994183	49.47	ug/l	98
71) Bromoform	12.11	173	602035	51.04	ug/l	98
73) Isopropylbenzene	12.26	105	3360780	50.15	ug/l	99
74) N-amyl acetate	12.13	43	1269544	47.82	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	760441	50.02	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	783895	50.23	ug/l	100
77) Bromobenzene	12.53	156	1003707	51.99	ug/l	95
78) n-propylbenzene	12.63	91	4183162	49.63	ug/l	98
79) 2-Chlorotoluene	12.70	91	2370953	49.84	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2640361	51.40	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	231310	49.10	ug/l	97
82) 4-Chlorotoluene	12.80	91	2560207	48.95	ug/l	92
83) tert-Butylbenzene	13.04	119	3025432	50.84	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2690950	49.09	ug/l	98
85) sec-Butylbenzene	13.22	105	3557211	50.35	ug/l	94
86) p-Isopropyltoluene	13.34	119	2897979	50.72	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1721290	51.27	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1706242	50.11	ug/l	98
89) n-Butylbenzene	13.64	91	2817288	53.24	ug/l	99
90) Hexachloroethane	13.85	117	728960	51.51	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	1443128	53.88	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	102185	44.09	ug/l	63

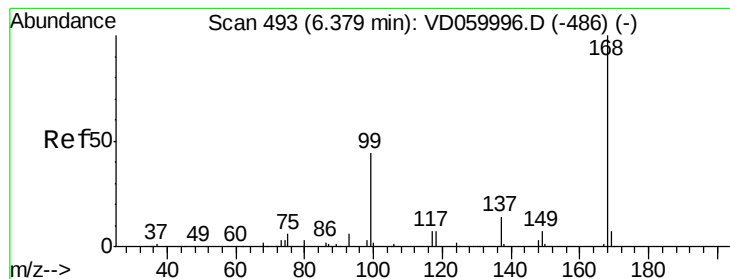
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092018\
Data File : VD060049.D
Acq On : 20 Sep 2018 11:09
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Quant Time: Sep 20 15:58:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1237839	51.74	ug/l	99
94) Hexachlorobutadiene	14.87	225	805850	50.92	ug/l	99
95) Naphthalene	14.96	128	1836938	49.72	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1037091	49.19	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

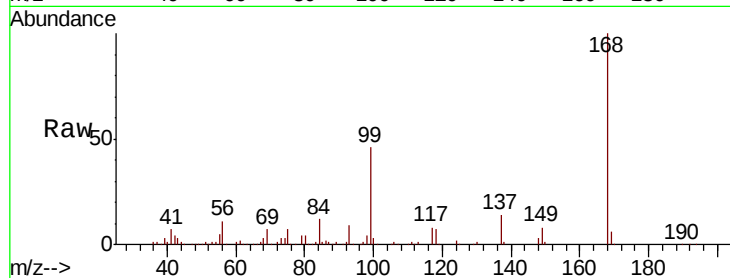
VSTDCCC050

Tot Ion:168 Resp: 1655658

Ion Ratio Lower Upper

168 100

99 46.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

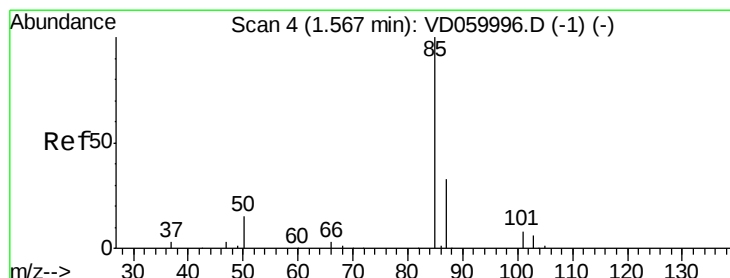
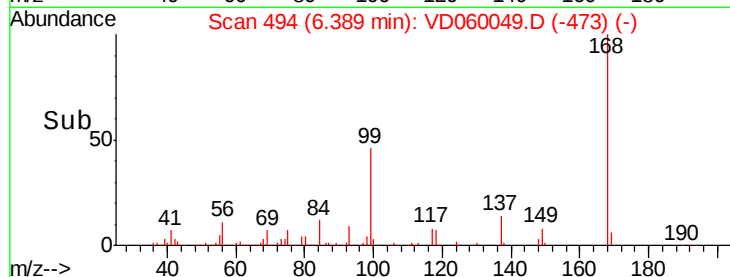
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 47.32 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060049.D

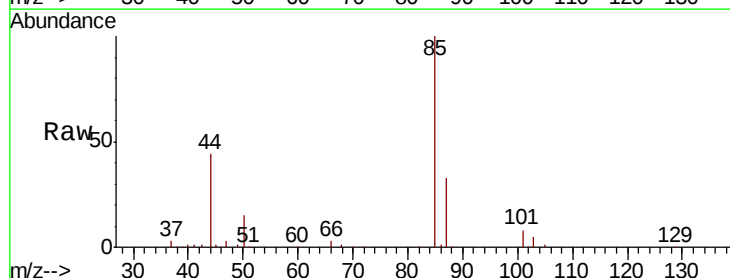
Acq: 20 Sep 2018 11:09

Tgt Ion: 85 Resp: 826946

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

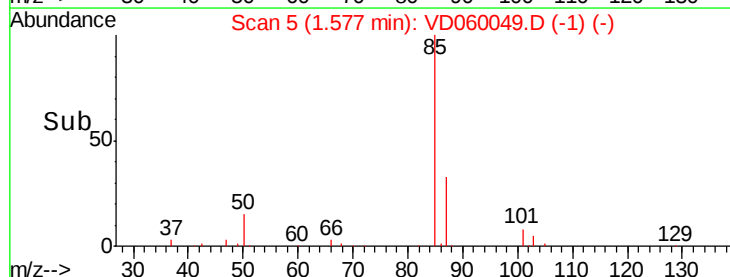
300000

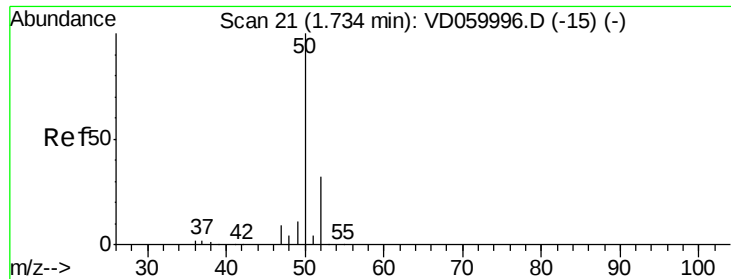
200000

100000

0

Time--> 1.50 1.60 1.70

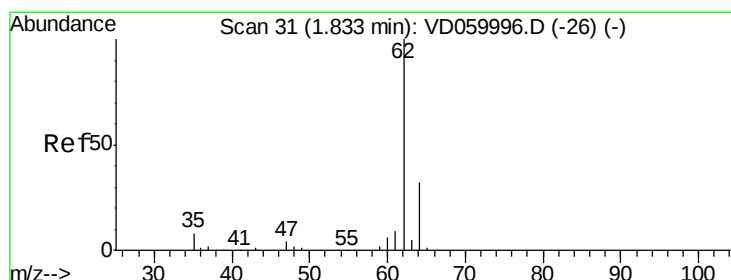
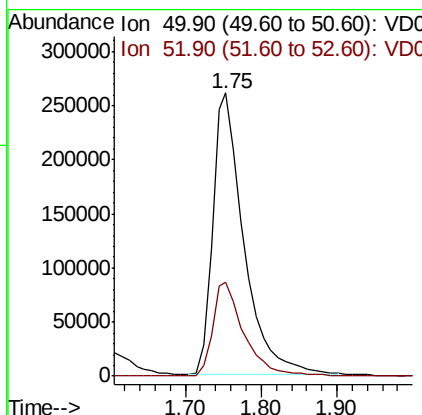
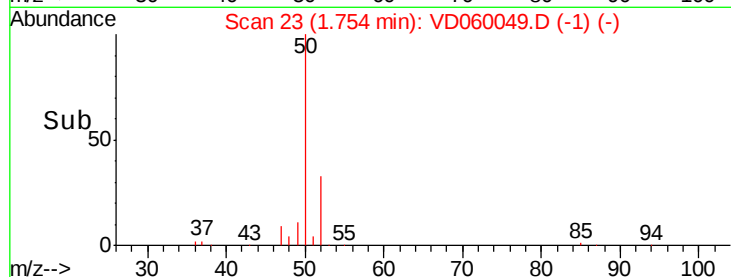
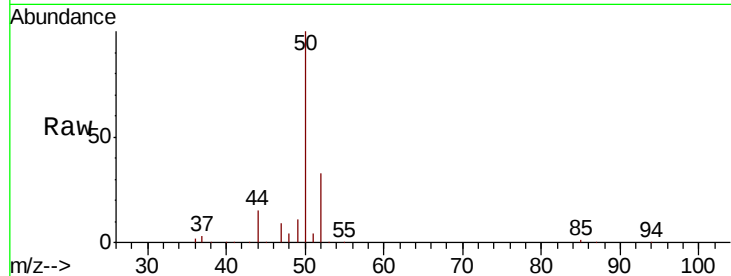




#3
Chloromethane
Concen: 48.31 ug/l
RT: 1.75 min Scan# 23
Delta R.T. 0.02 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

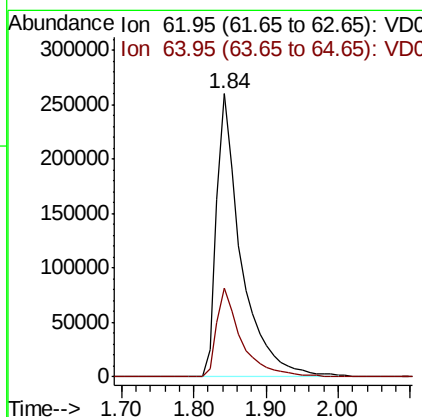
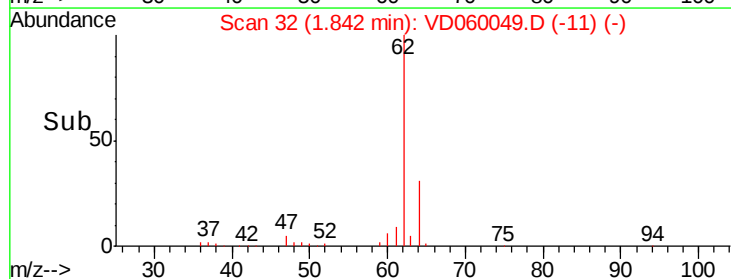
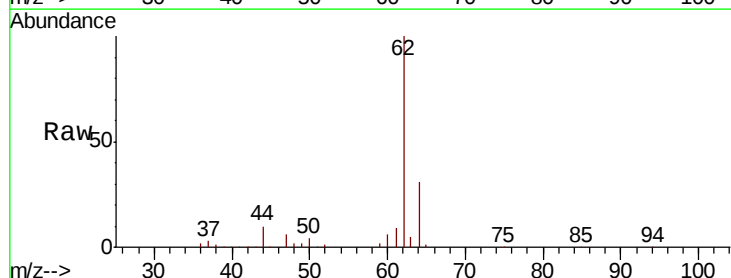
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

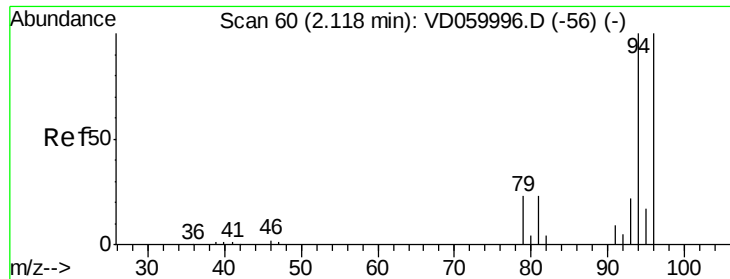
Tot Ion: 50 Resp: 745868
Ion Ratio Lower Upper
50 100
52 33.0 25.4 38.2



#4
Vinyl Chloride
Concen: 49.25 ug/l
RT: 1.84 min Scan# 32
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 62 Resp: 611166
Ion Ratio Lower Upper
62 100
64 31.5 25.5 38.3

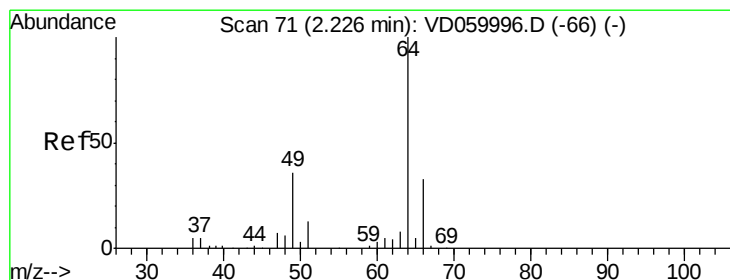
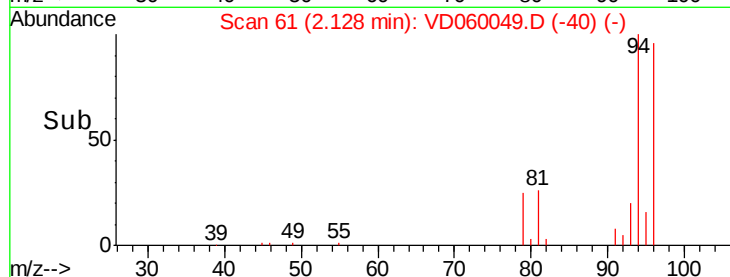
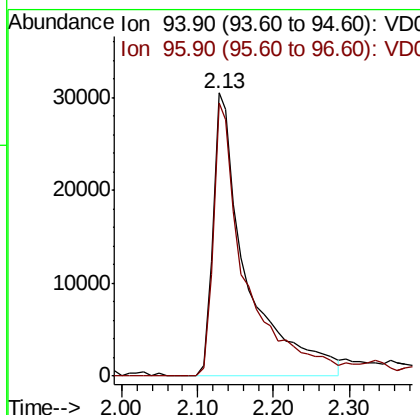
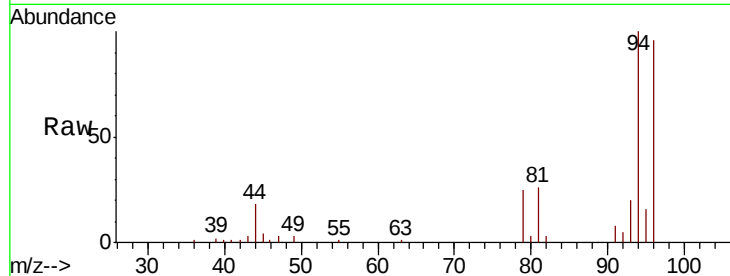




#5
Bromomethane
Concen: 64.27 ug/l
RT: 2.13 min Scan# 61
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

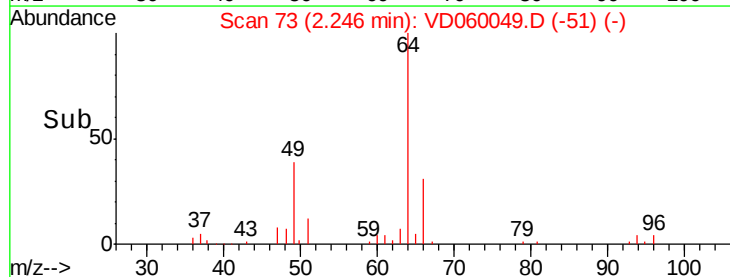
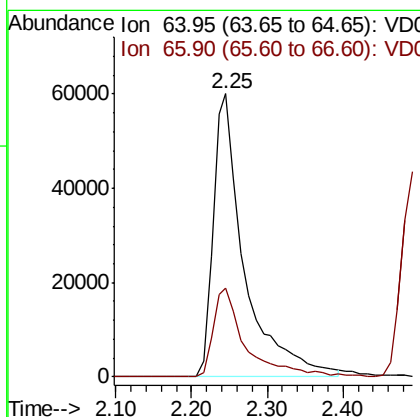
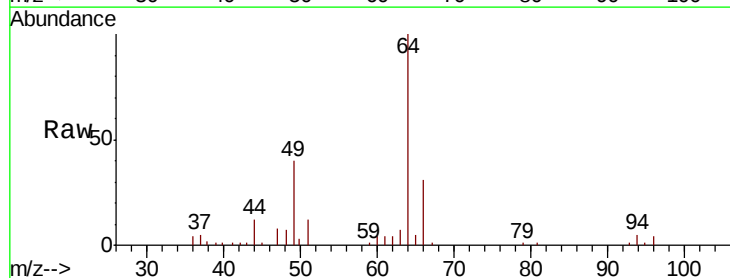
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

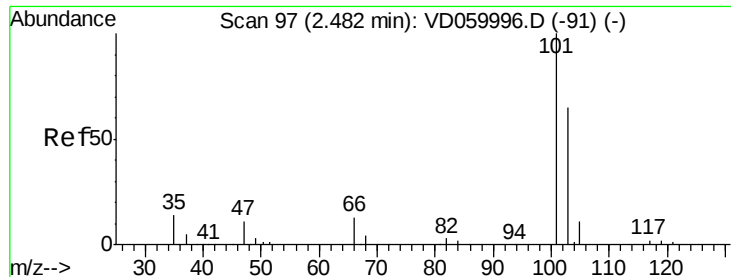
Tot Ion: 94 Resp: 94417
Ion Ratio Lower Upper
94 100
96 96.3 79.8 119.8



#6
Chloroethane
Concen: 62.07 ug/l
RT: 2.25 min Scan# 73
Delta R.T. 0.02 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 64 Resp: 172205
Ion Ratio Lower Upper
64 100
66 31.4 26.5 39.7





#7

Trichlorofluoromethane

Concen: 54.41 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

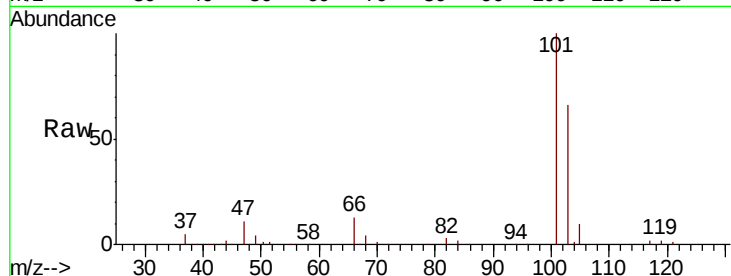
VSTDCCC050

Tot Ion:101 Resp: 743470

Ion Ratio Lower Upper

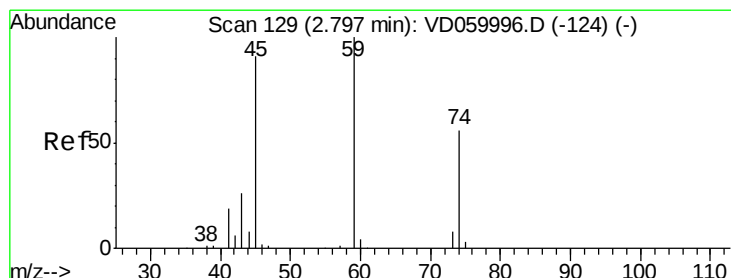
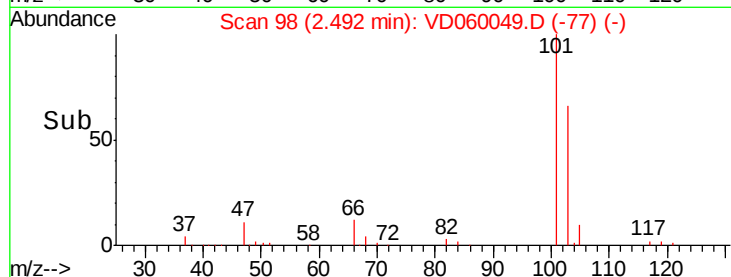
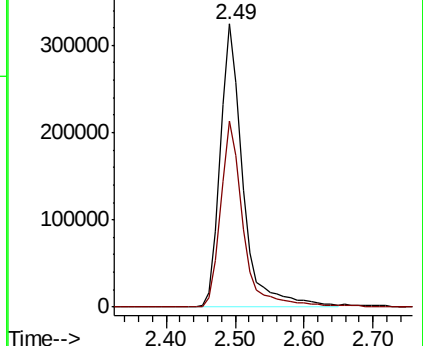
101 100

103 65.6 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 52.15 ug/l

RT: 2.81 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD060049.D

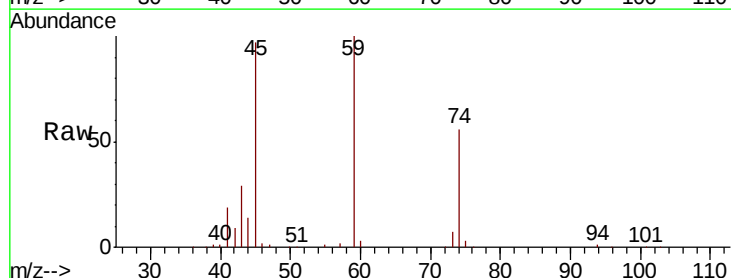
Acq: 20 Sep 2018 11:09

Tgt Ion: 74 Resp: 151476

Ion Ratio Lower Upper

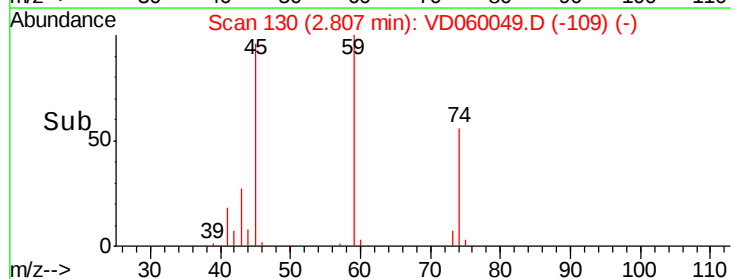
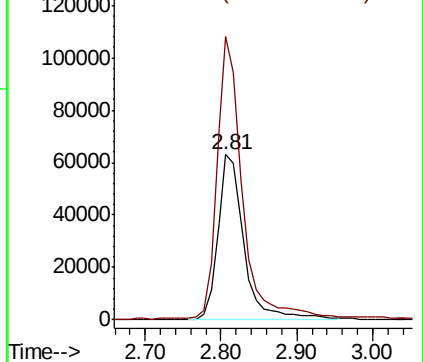
74 100

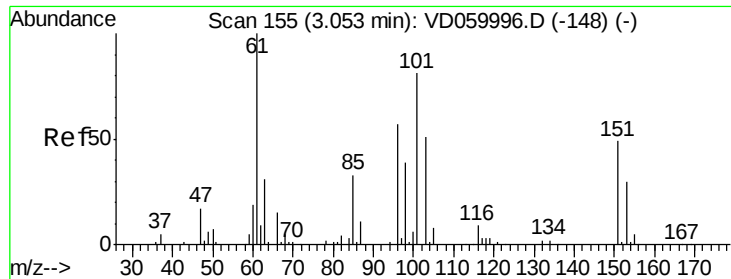
45 171.2 81.2 243.4



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: 54.87 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

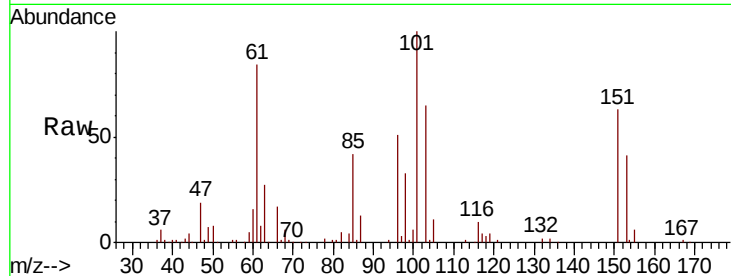
Tot Ion:101 Resp: 472785

Ion Ratio Lower Upper

101 100

85 42.2 33.1 49.7

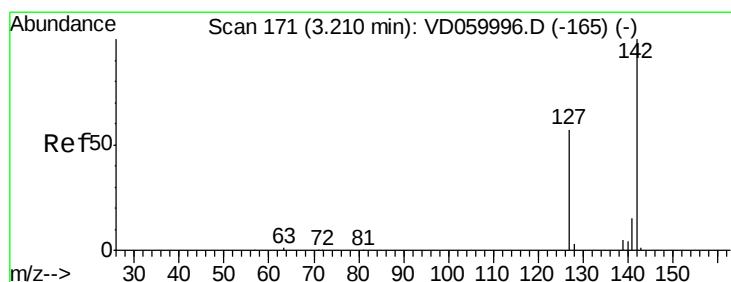
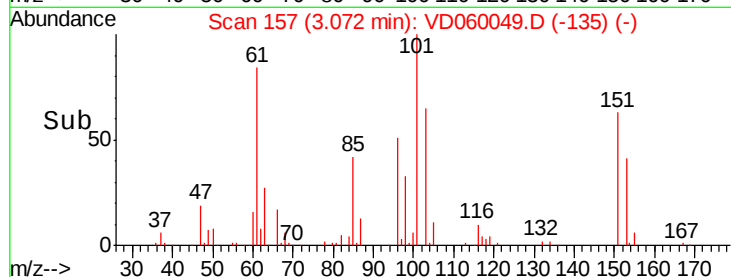
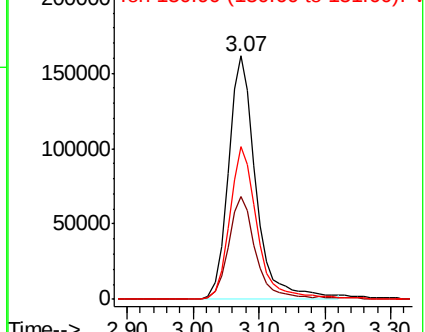
151 62.7 48.2 72.4



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: 55.41 ug/l

RT: 3.23 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

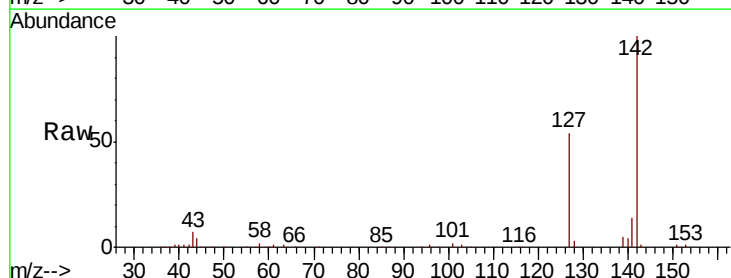
Tgt Ion:142 Resp: 505588

Ion Ratio Lower Upper

142 100

127 54.2 45.8 68.8

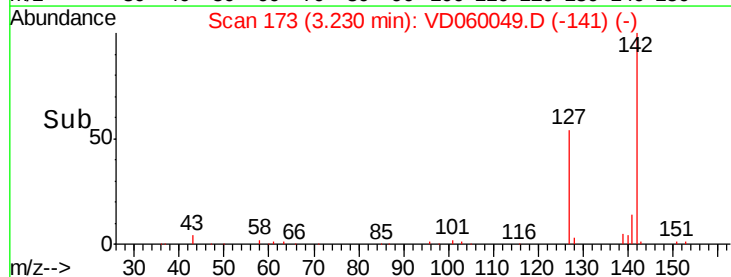
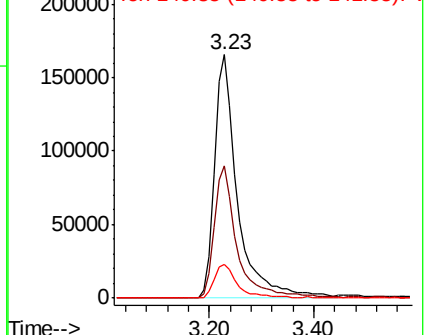
141 13.9 12.2 18.4

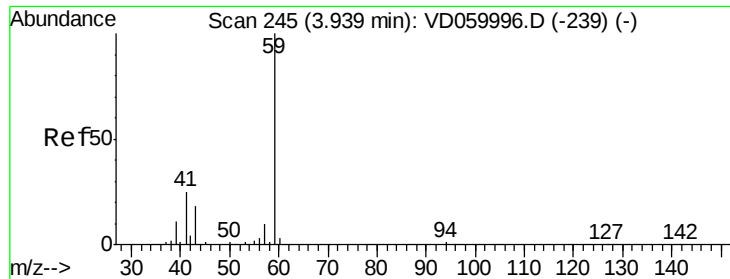


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

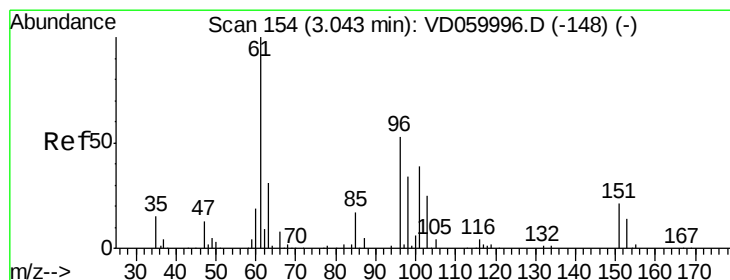
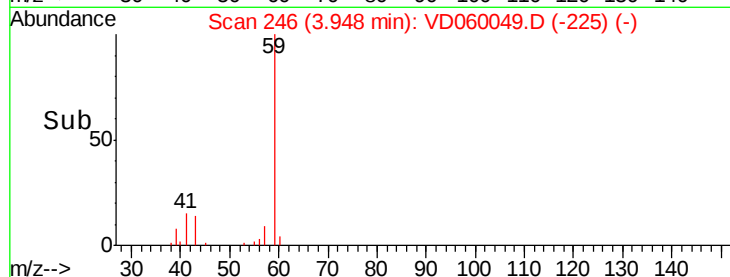
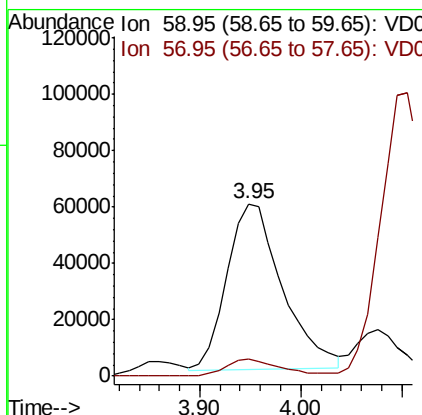
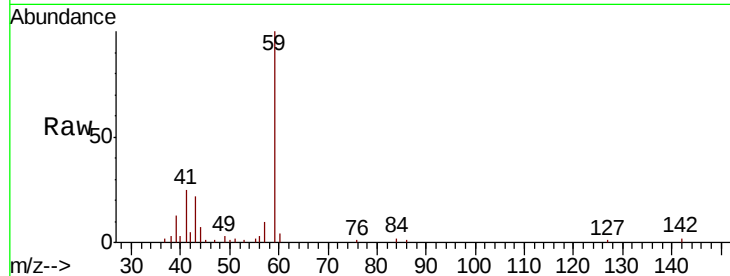




#11
Tert butyl alcohol
Concen: 215.92 ug/l
RT: 3.95 min Scan# 246
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

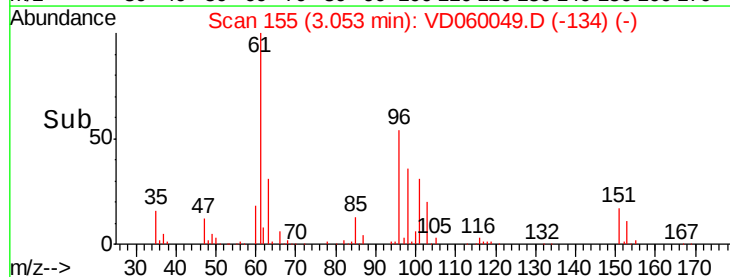
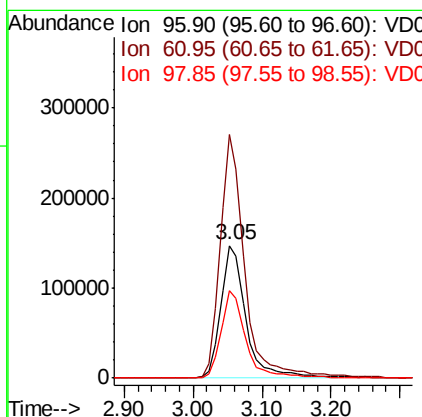
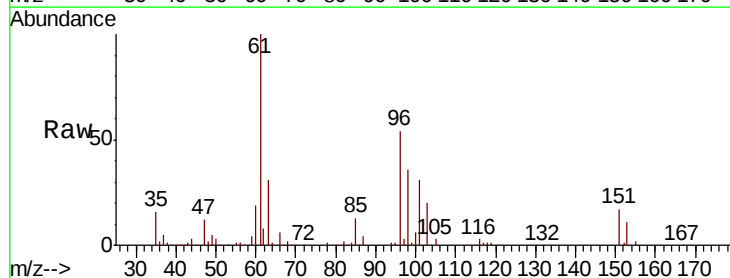
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

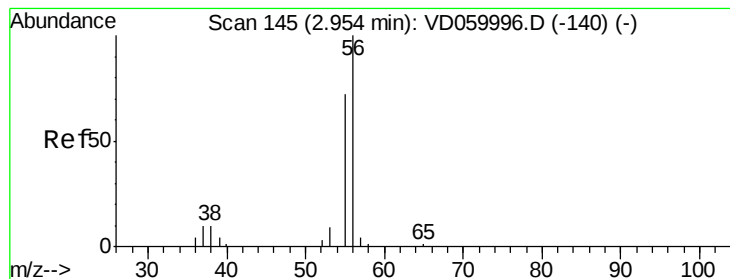
Tot Ion: 59 Resp: 224948
Ion Ratio Lower Upper
59 100
57 9.8 7.4 11.2



#12
1,1-Dichloroethene
Concen: 54.59 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 96 Resp: 371855
Ion Ratio Lower Upper
96 100
61 183.7 149.8 224.6
98 65.7 50.2 75.4





#13

Acrolein

Concen: 216.70 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

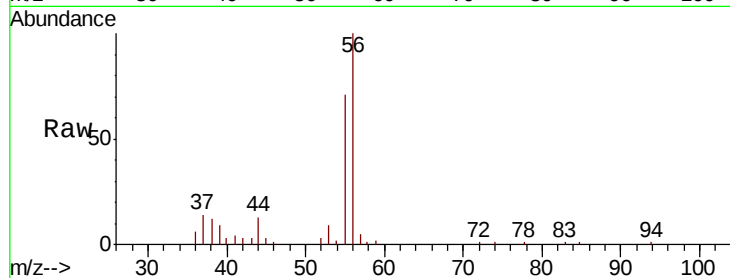
VSTDCCC050

Tot Ion: 56 Resp: 139808

Ion Ratio Lower Upper

56 100

55 70.8 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

60000

50000

40000

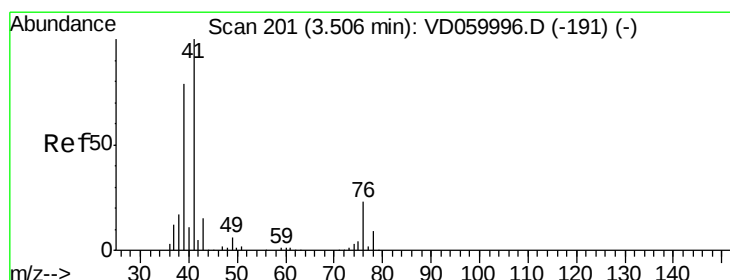
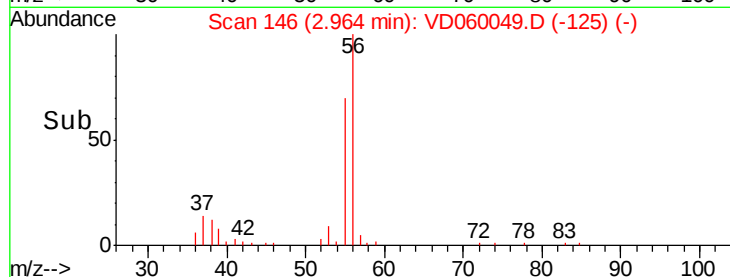
30000

20000

10000

0

Time--> 2.80 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 50.84 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

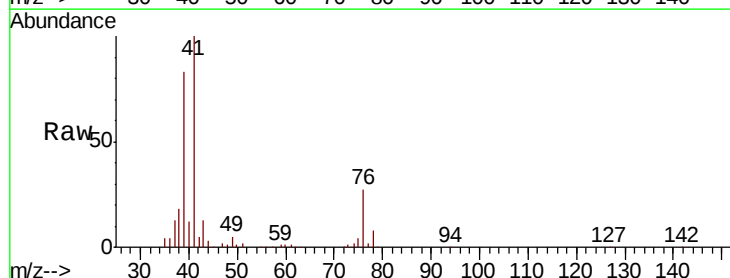
Tgt Ion: 41 Resp: 730379

Ion Ratio Lower Upper

41 100

39 82.6 63.6 95.4

76 27.0 21.1 31.7



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

3.52

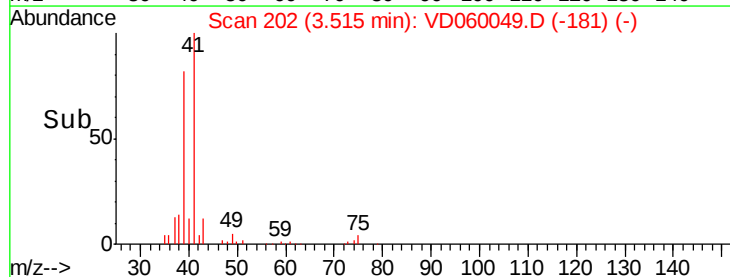
300000

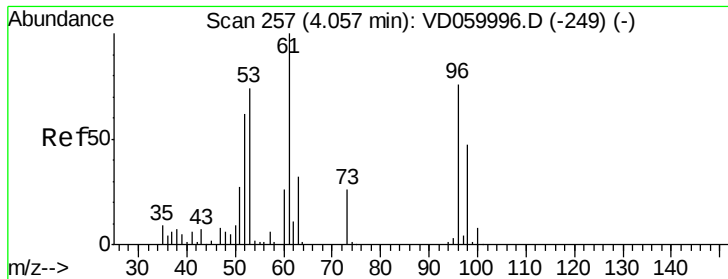
200000

100000

0

Time--> 3.40 3.50 3.60





#15

Acrylonitrile

Concen: 252.85 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

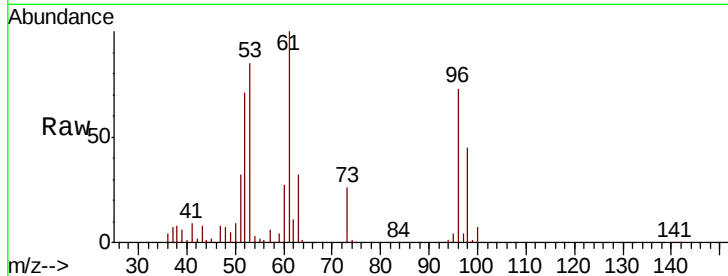
Tot Ion: 53 Resp: 994362

Ion Ratio Lower Upper

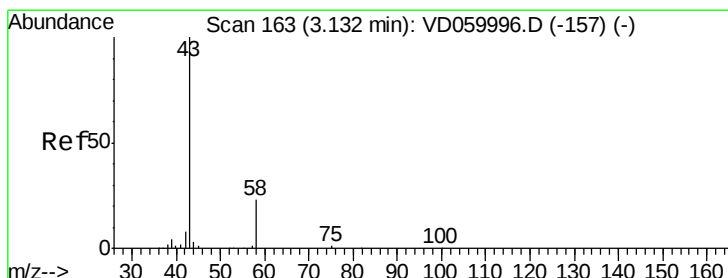
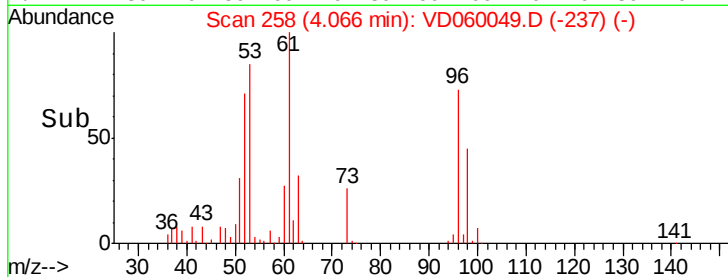
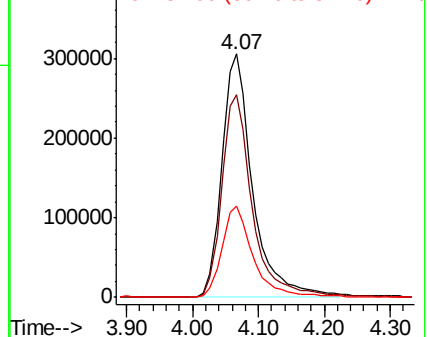
53 100

52 83.0 66.7 100.1

51 37.4 29.0 43.6



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: 261.24 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060049.D

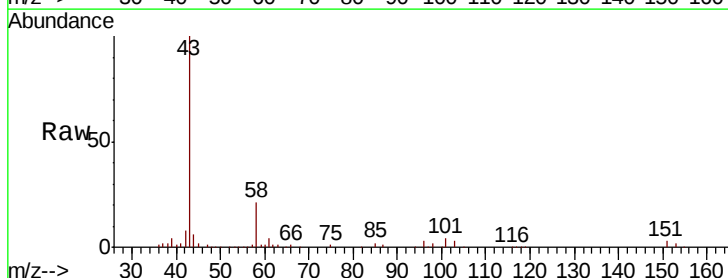
Acq: 20 Sep 2018 11:09

Tgt Ion: 43 Resp: 651229

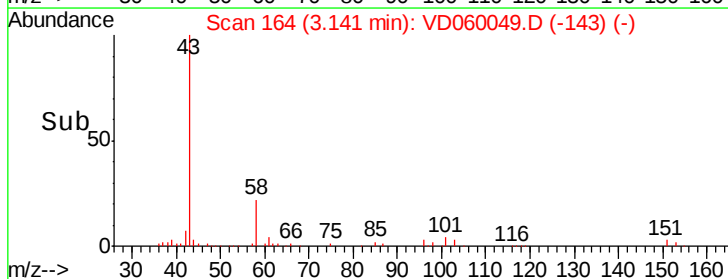
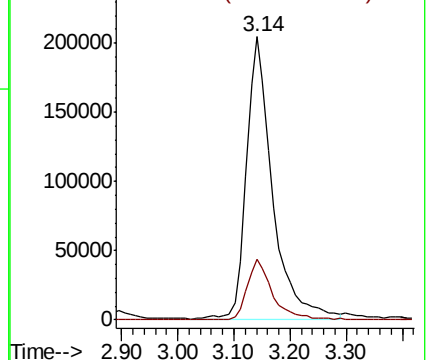
Ion Ratio Lower Upper

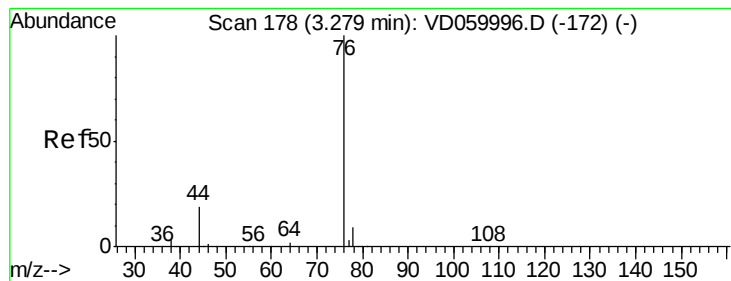
43 100

58 21.5 18.1 27.1



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





#17

Carbon Disulfide

Concen: 51.60 ug/l

RT: 3.30 min Scan# 180

Delta R.T. 0.02 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

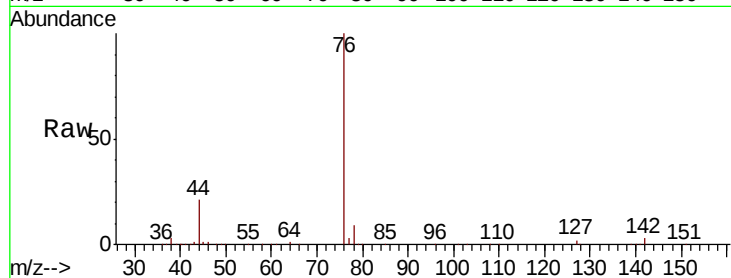
VSTDCCC050

Tot Ion: 76 Resp: 1211266

Ion Ratio Lower Upper

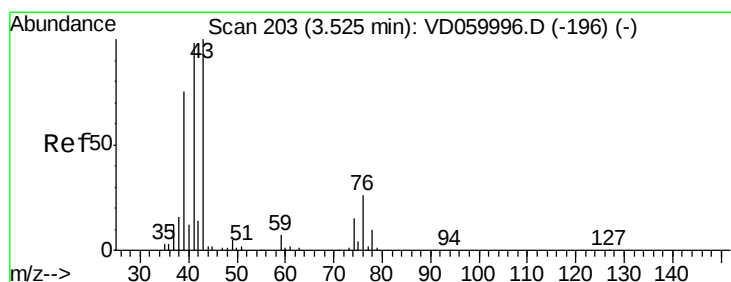
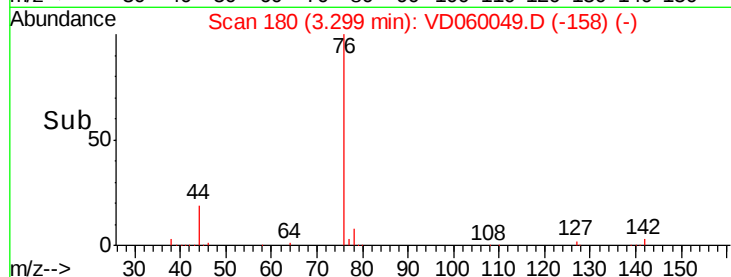
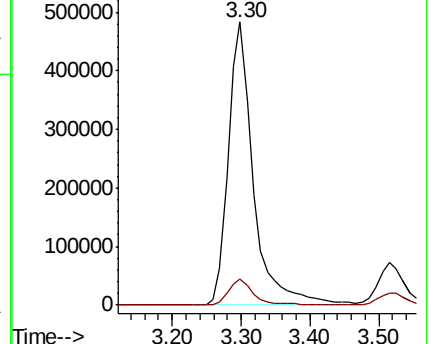
76 100

78 9.1 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.46 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060049.D

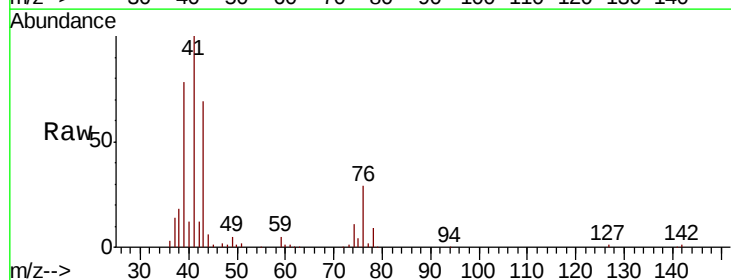
Acq: 20 Sep 2018 11:09

Tgt Ion: 43 Resp: 255832

Ion Ratio Lower Upper

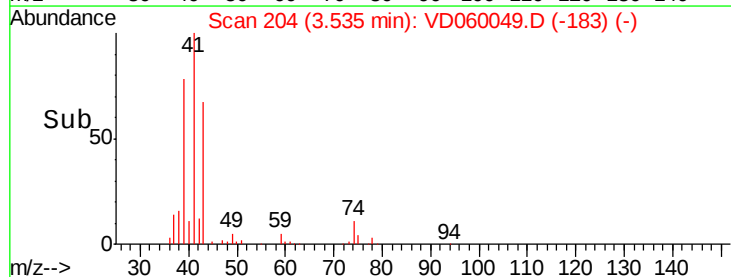
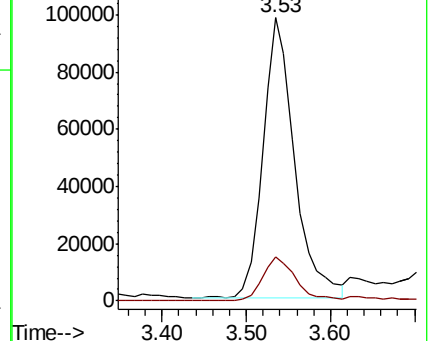
43 100

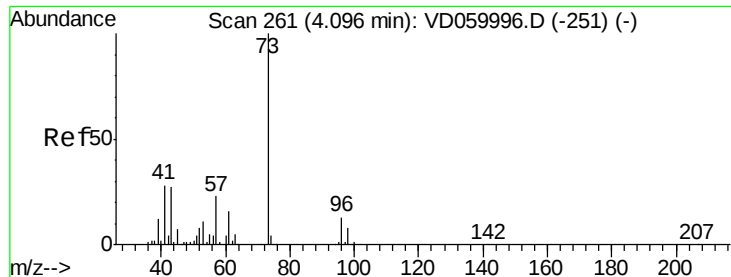
74 15.7 11.8 17.8



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: 50.82 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

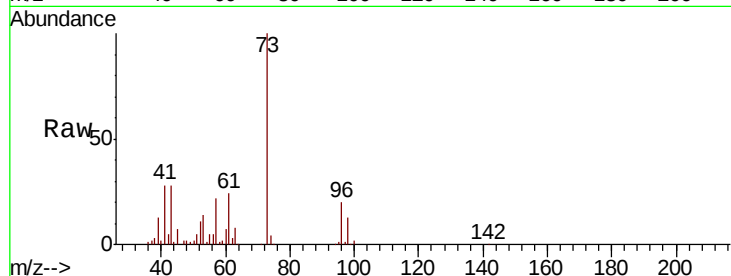
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1599759

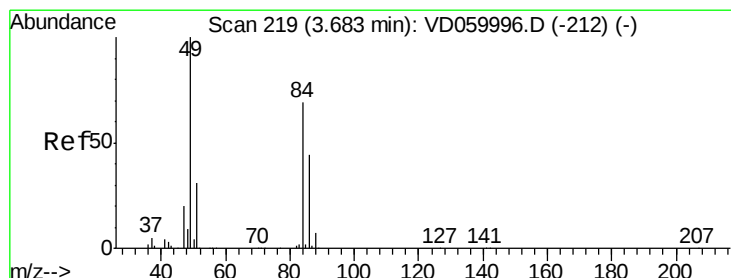
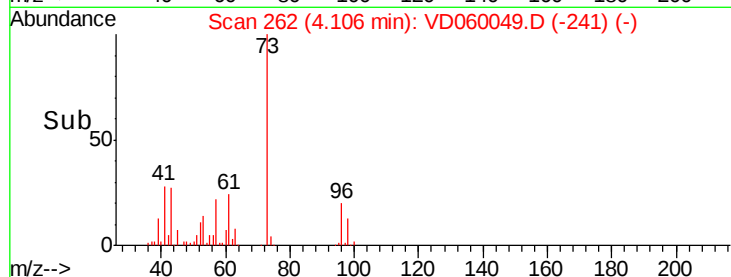
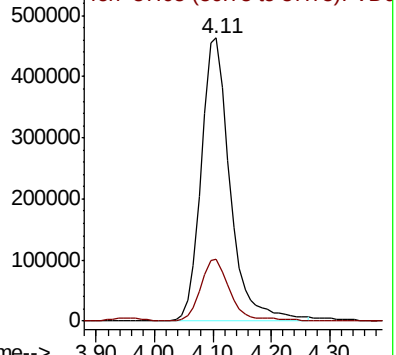
Ion Ratio Lower Upper

73 100

57 21.7 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 53.25 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 84 Resp: 936178

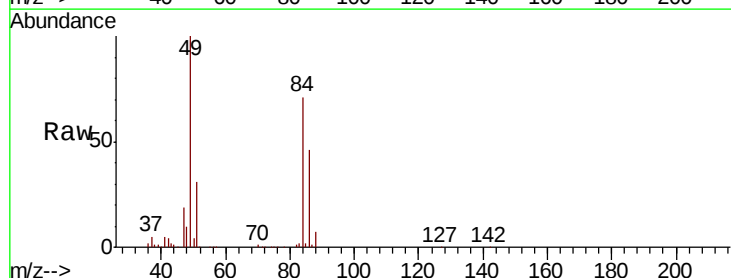
Ion Ratio Lower Upper

84 100

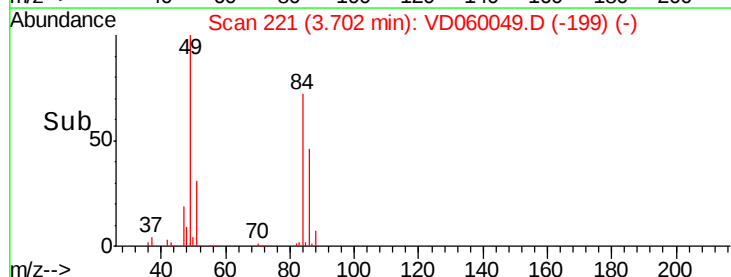
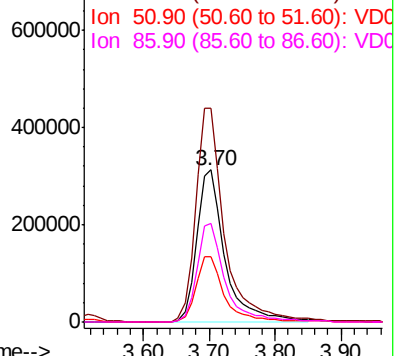
49 140.4 116.6 175.0

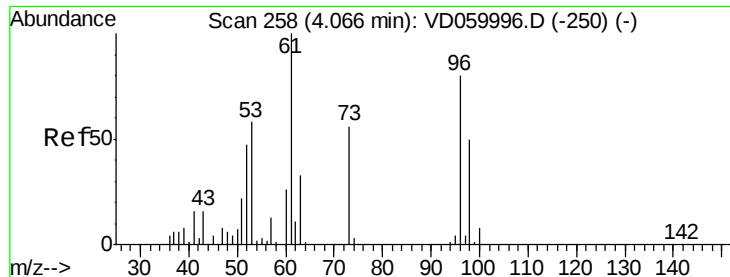
51 42.9 35.9 53.9

86 65.0 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 51.04 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

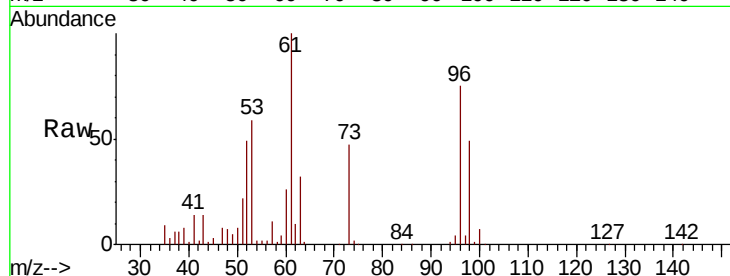
Tot Ion: 96 Resp: 912516

Ion Ratio Lower Upper

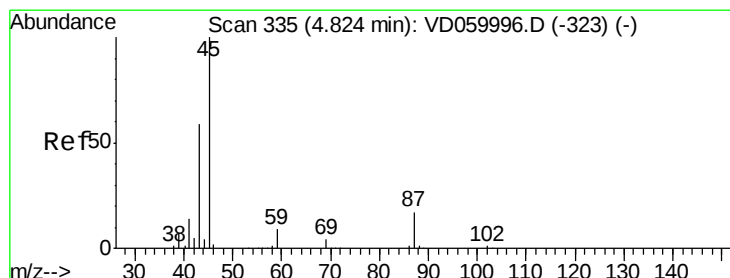
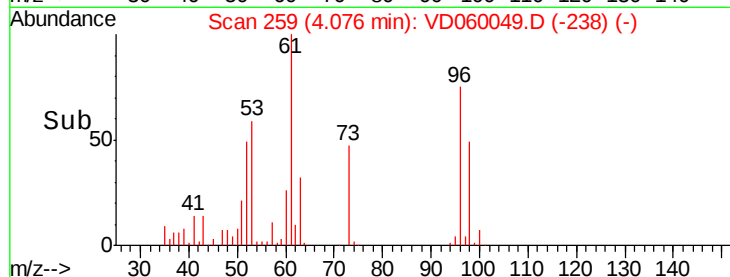
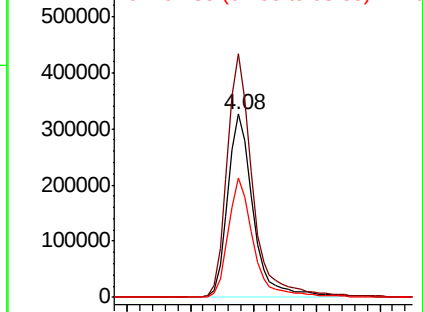
96 100

61 132.9 100.1 150.1

98 65.1 49.5 74.3



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



#22

Diisopropyl ether

Concen: 52.01 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion: 45 Resp: 3408712

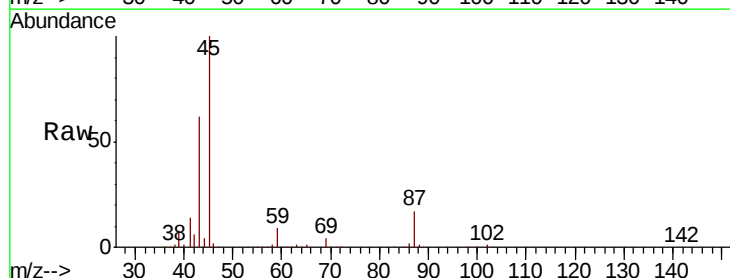
Ion Ratio Lower Upper

45 100

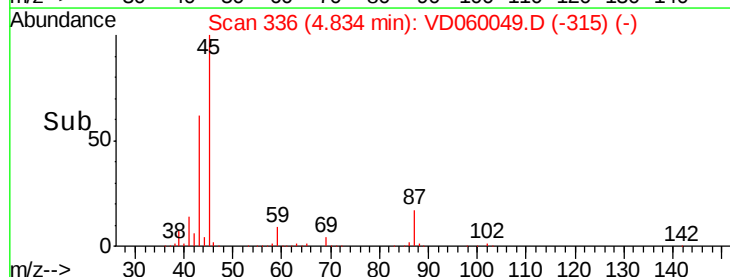
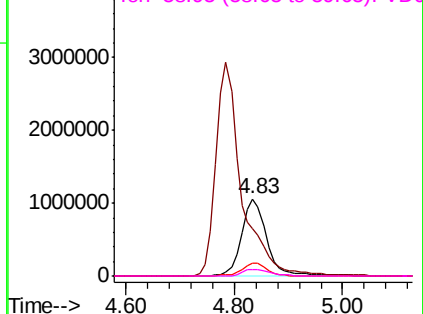
43 61.6 47.1 70.7

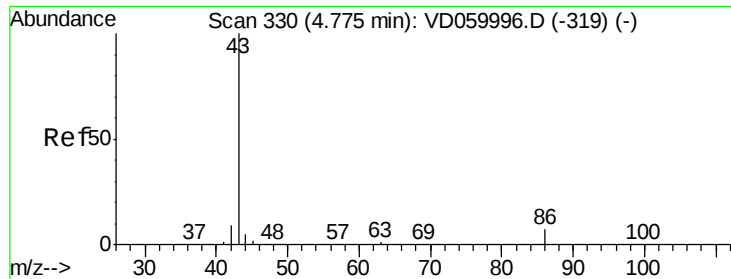
87 17.3 14.2 21.2

59 8.6 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 258.23 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

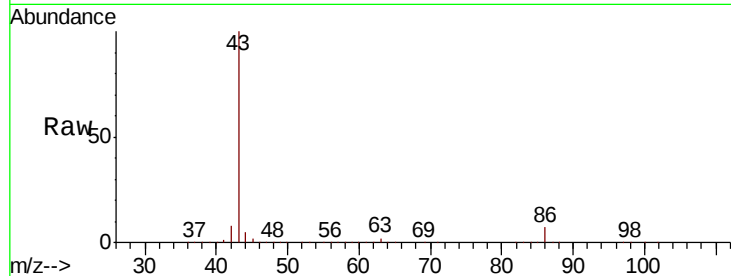
VSTDCCC050

Tot Ion: 43 Resp: 9587123

Ion Ratio Lower Upper

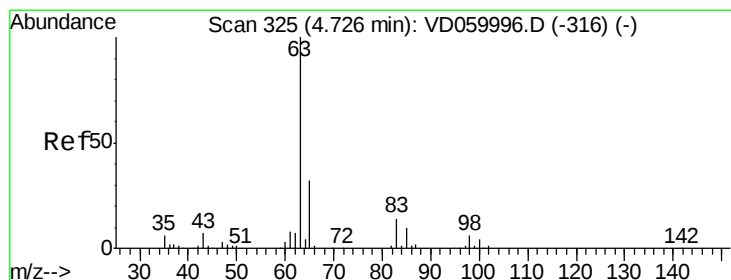
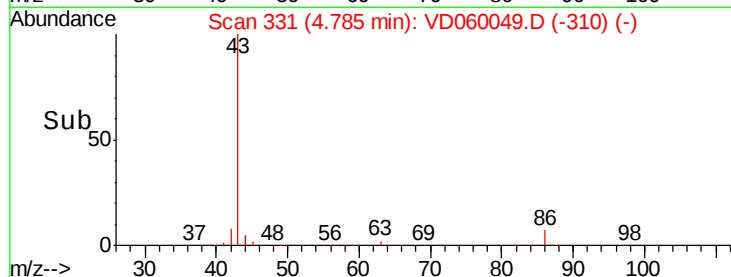
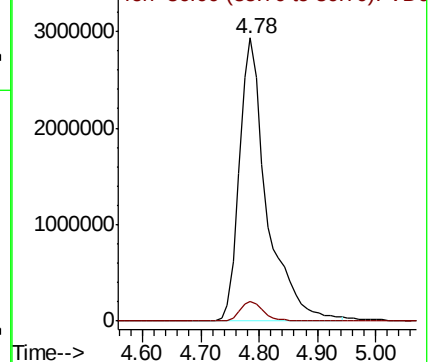
43 100

86 7.0 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.81 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

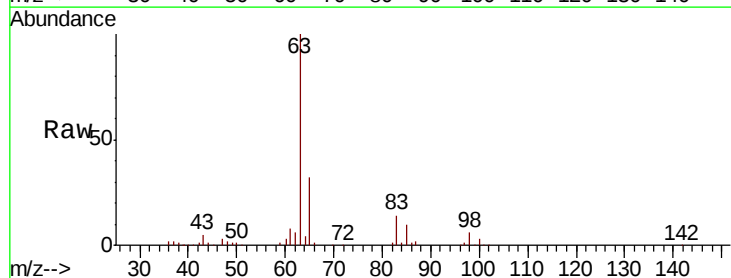
Tgt Ion: 63 Resp: 1553073

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

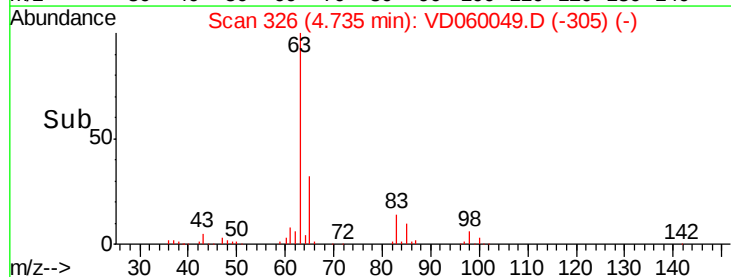
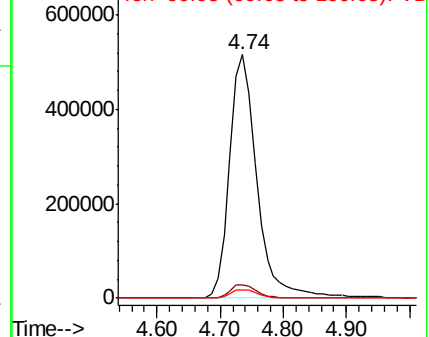
100 3.5 1.8 5.4

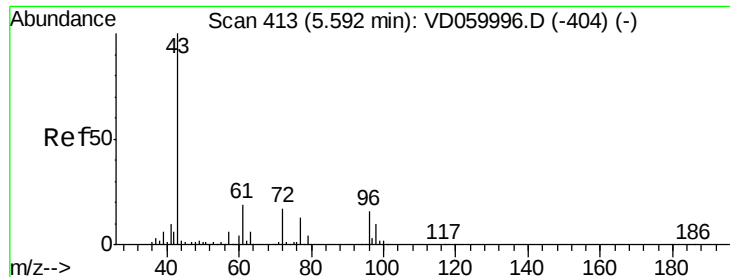


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 238.29 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

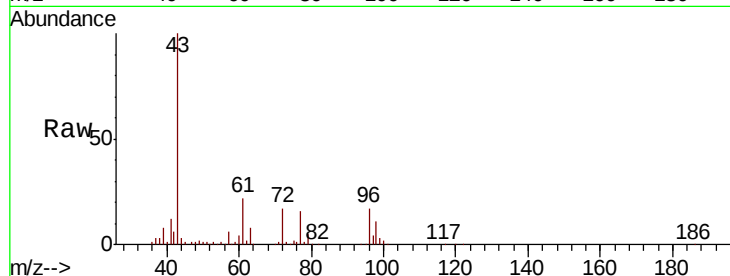
VSTDCCC050

Tot Ion: 43 Resp: 1602887

Ion Ratio Lower Upper

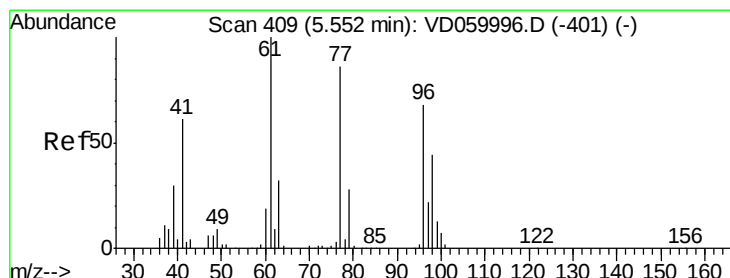
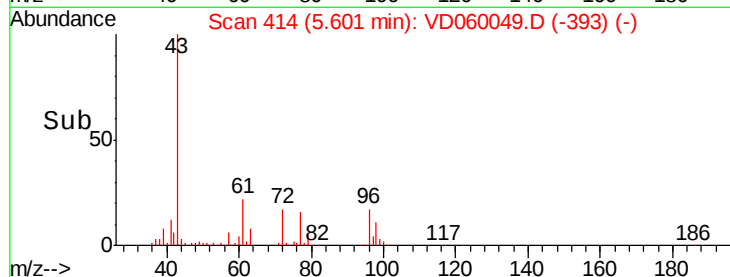
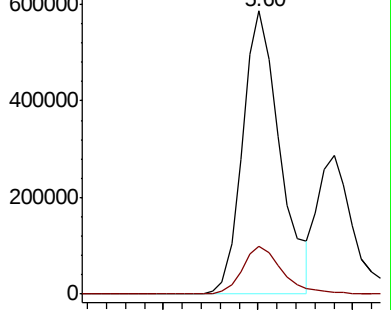
43 100

72 17.1 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.46 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD060049.D

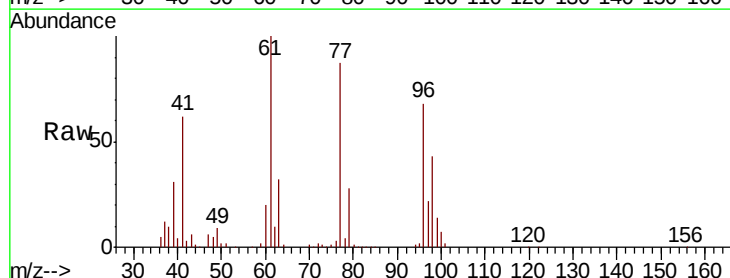
Acq: 20 Sep 2018 11:09

Tgt Ion: 77 Resp: 1199472

Ion Ratio Lower Upper

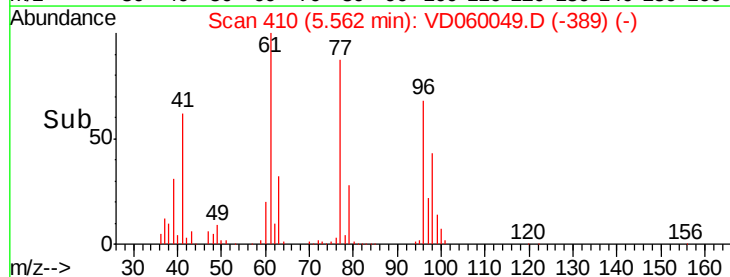
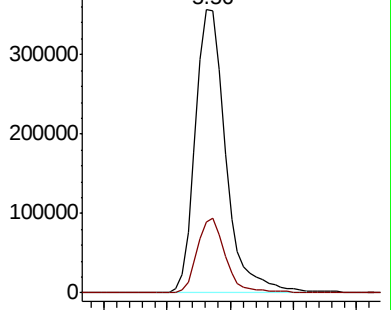
77 100

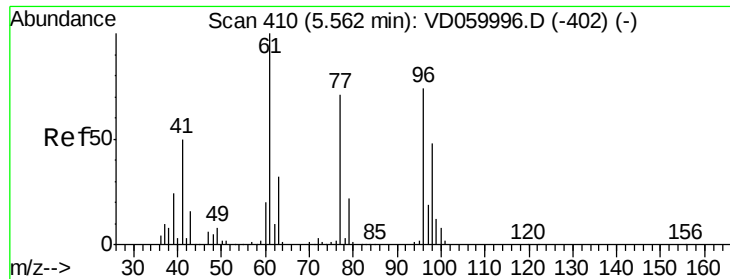
97 24.9 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

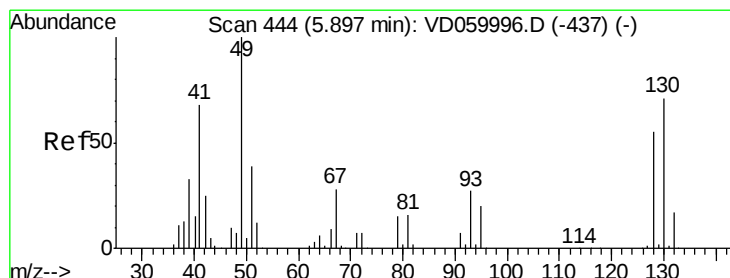
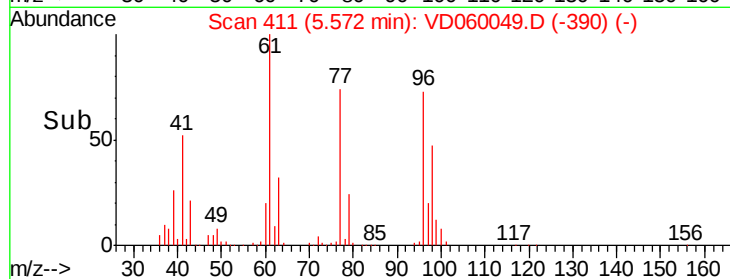
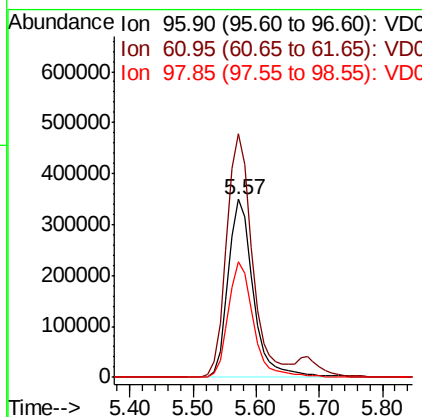
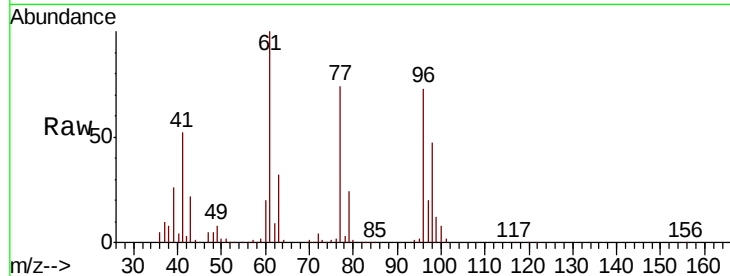




#27
 cis-1,2-Dichloroethene
 Concen: 51.39 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

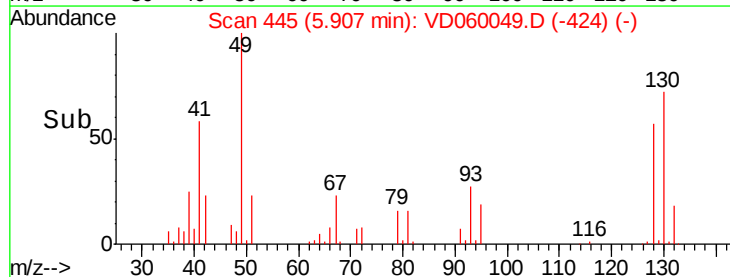
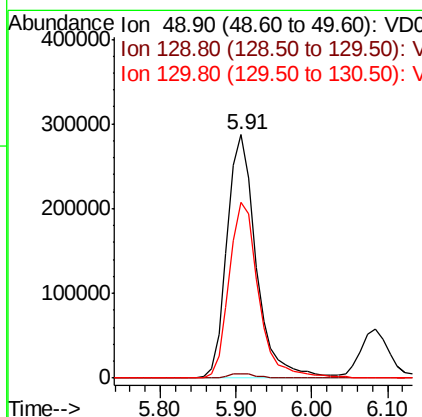
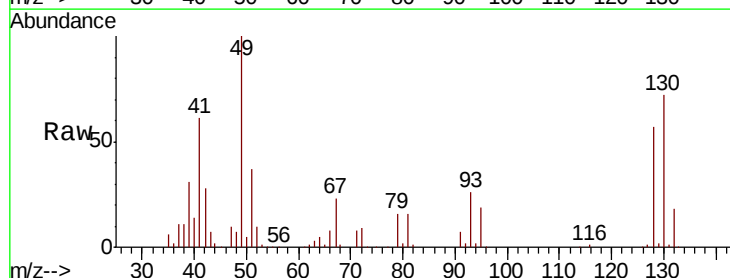
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 961046
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 269.6
 98 64.9 0.0 128.4



#28
 Bromochloromethane
 Concen: 54.18 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 49 Resp: 765964
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.6
 130 72.2 57.1 85.7





#29

Tetrahydrofuran

Concen: 240.07 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

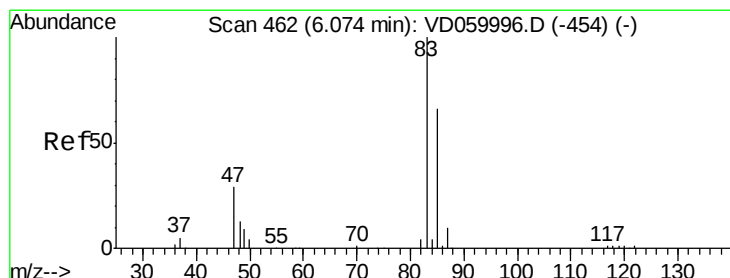
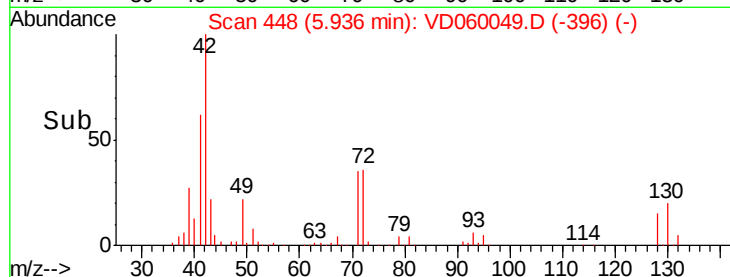
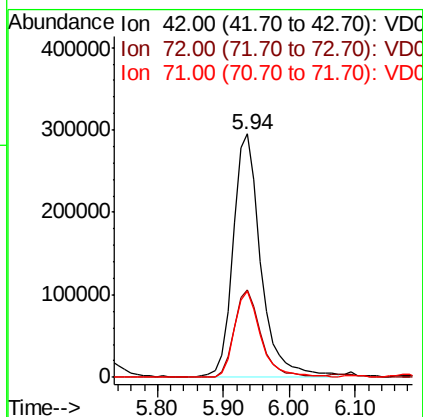
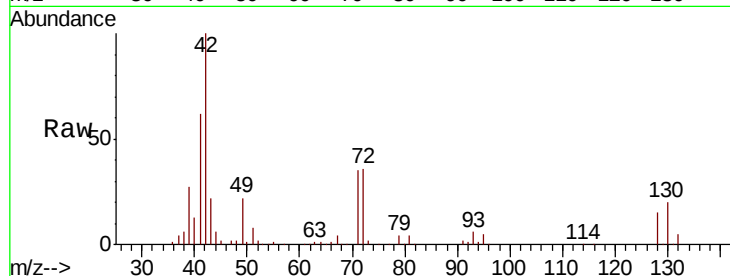
Tot Ion: 42 Resp: 866042

Ion Ratio Lower Upper

42 100

72 35.0 26.9 40.3

71 34.1 26.2 39.4



#30

Chloroform

Concen: 53.28 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD060049.D

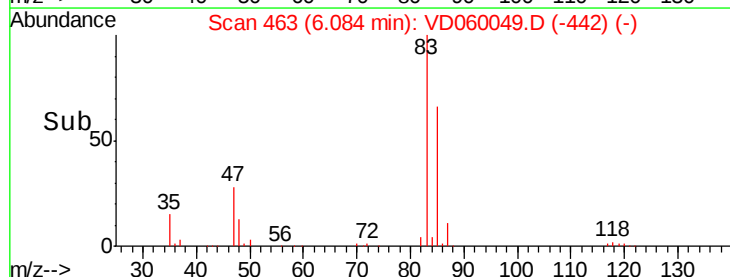
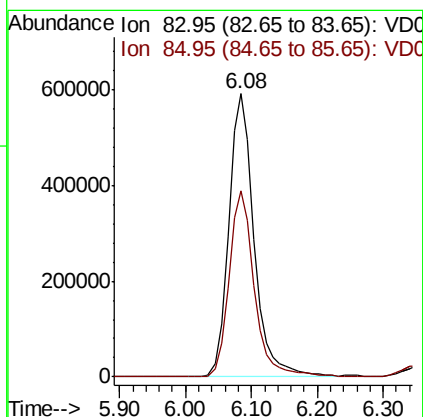
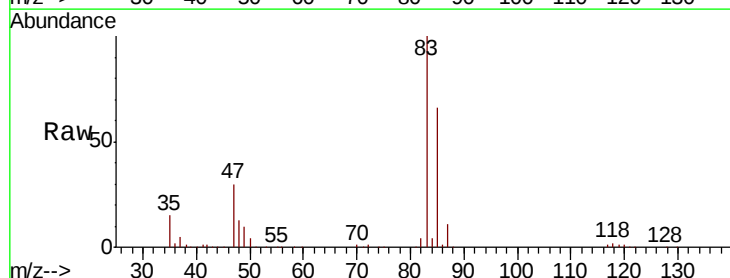
Acq: 20 Sep 2018 11:09

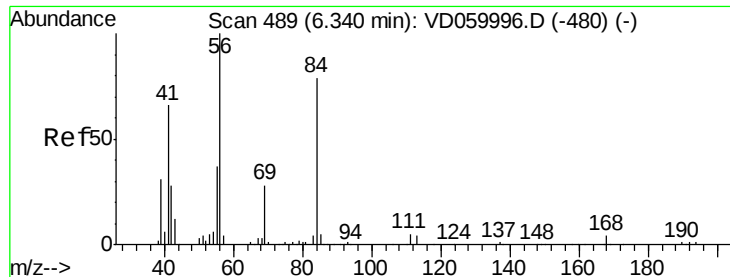
Tgt Ion: 83 Resp: 1589074

Ion Ratio Lower Upper

83 100

85 65.9 52.6 78.8

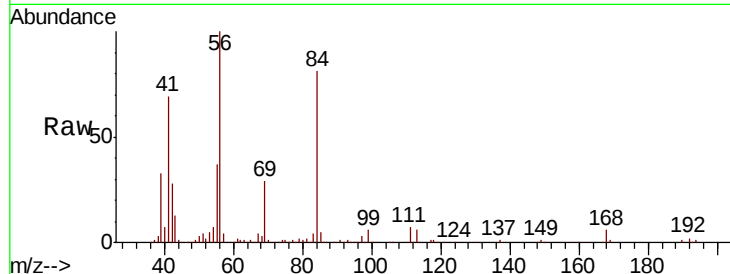




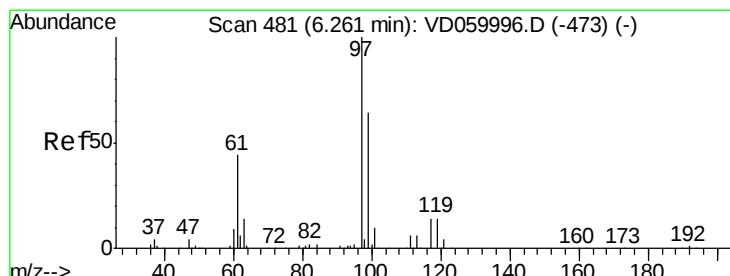
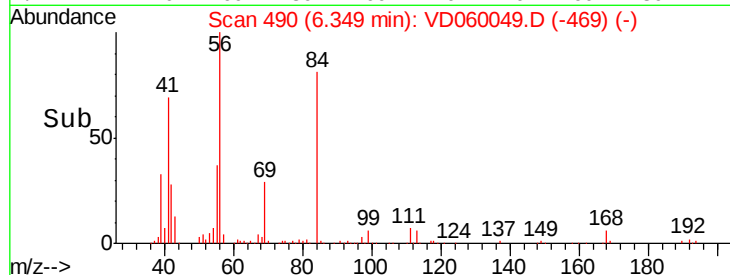
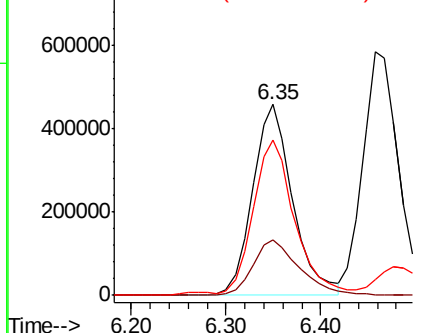
#31
Cyclohexane
Concen: 46.87 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1344075
Ion Ratio Lower Upper
56 100
69 29.0 22.7 34.1
84 81.3 64.0 96.0

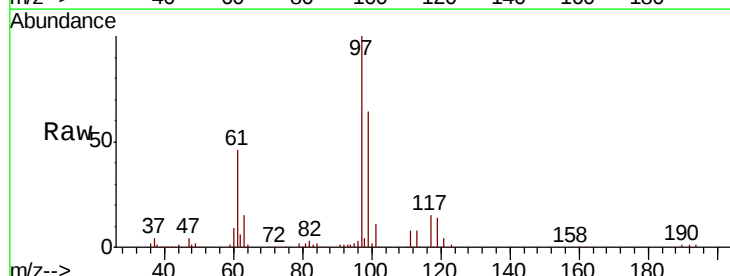


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

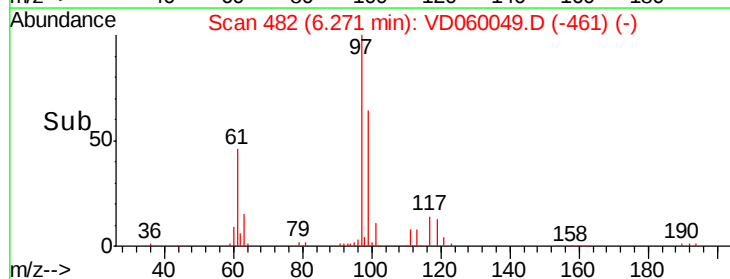
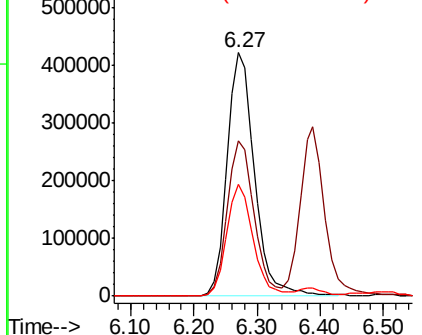


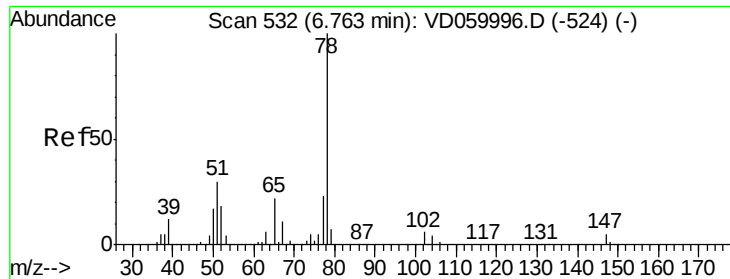
#32
1,1,1-Trichloroethane
Concen: 51.01 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 97 Resp: 1261697
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 45.7 35.5 53.3



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

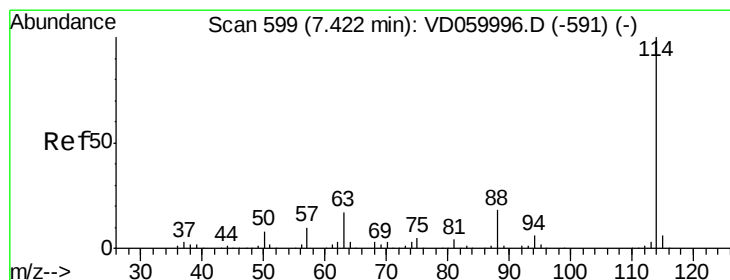
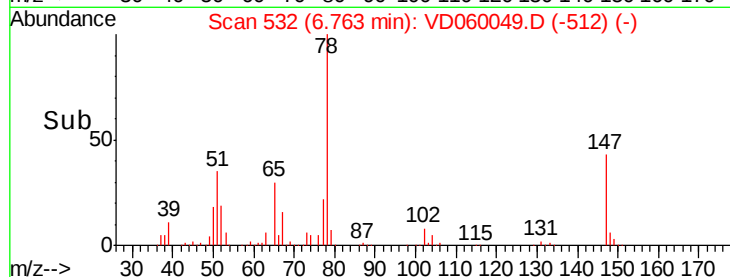
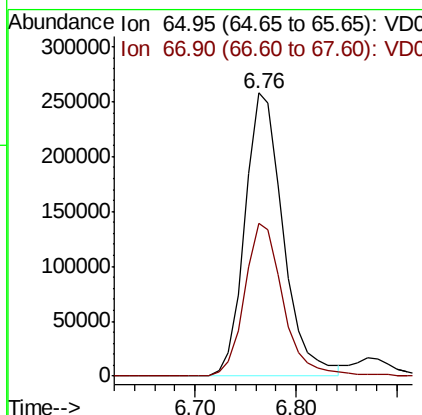
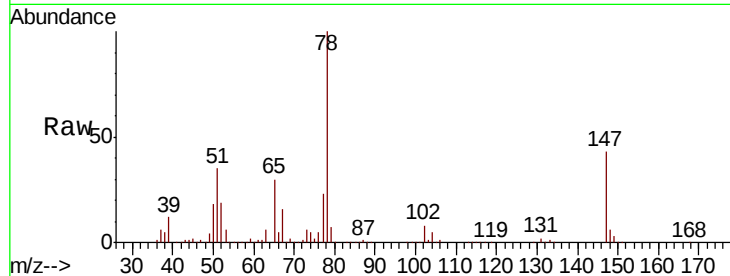




#33
 1,2-Dichloroethane-d4
 Concen: 51.01 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

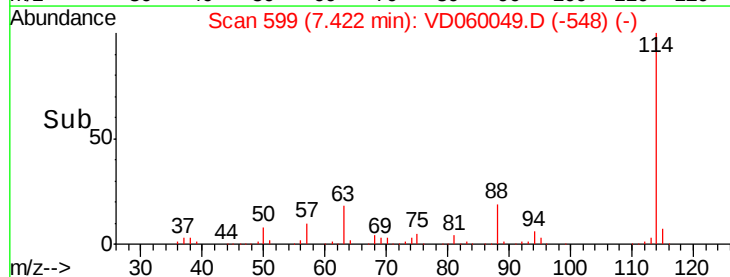
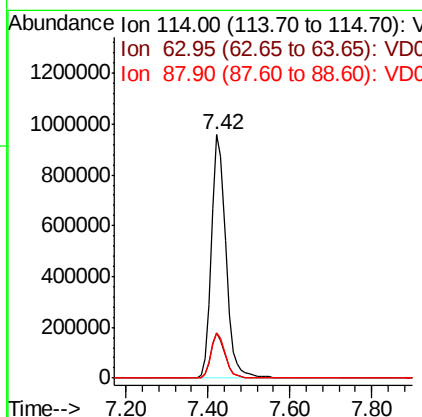
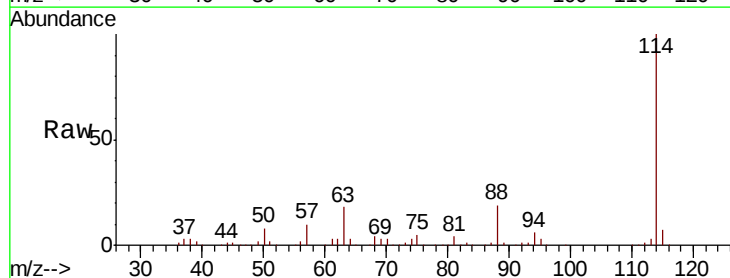
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

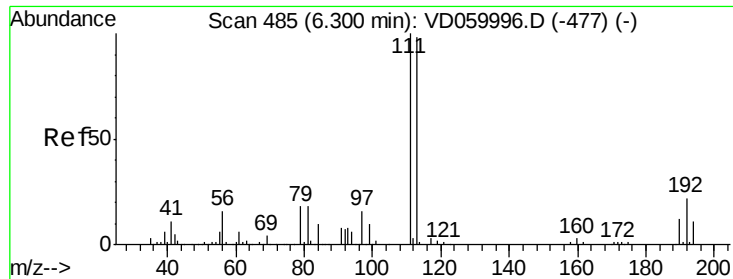
Tot Ion: 65 Resp: 679162
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 114 Resp: 2346035
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.4
 88 18.6 0.0 35.8

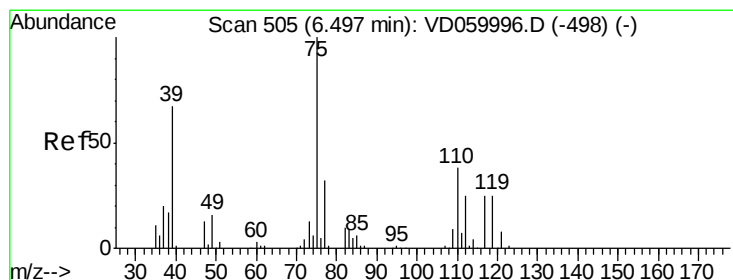
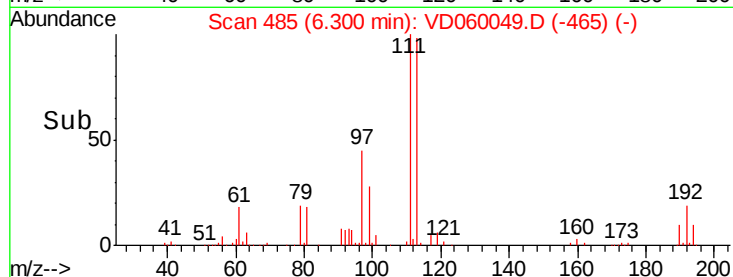
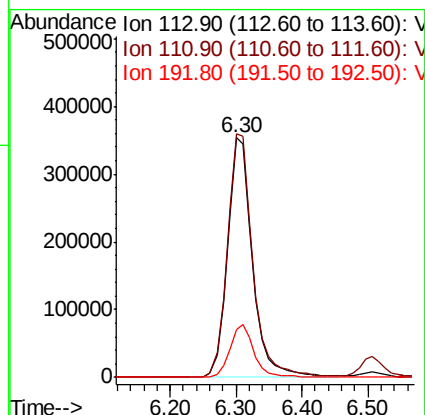
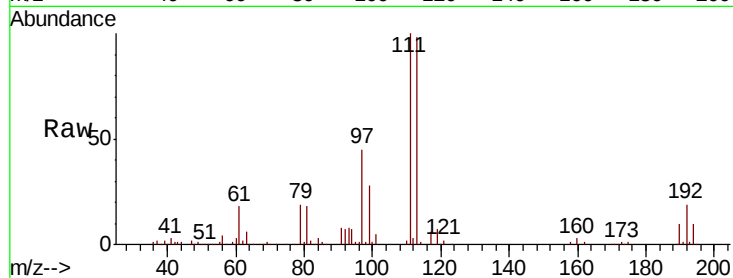




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

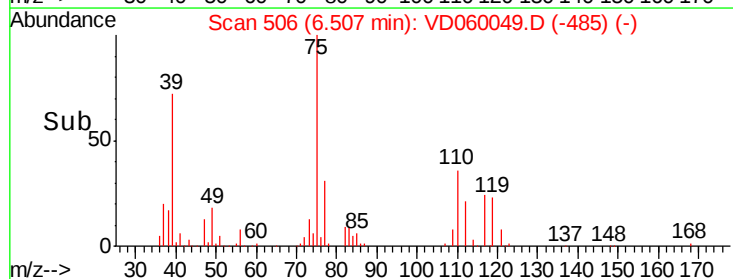
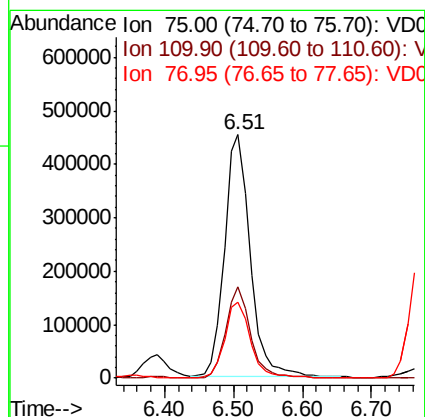
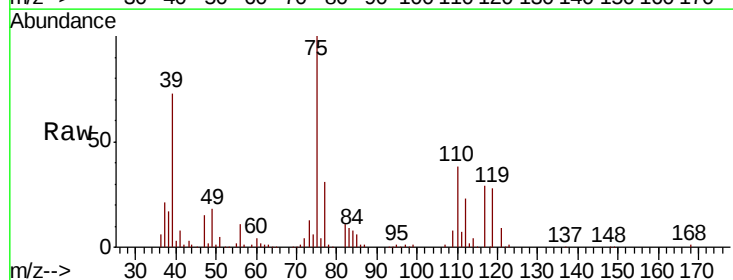
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

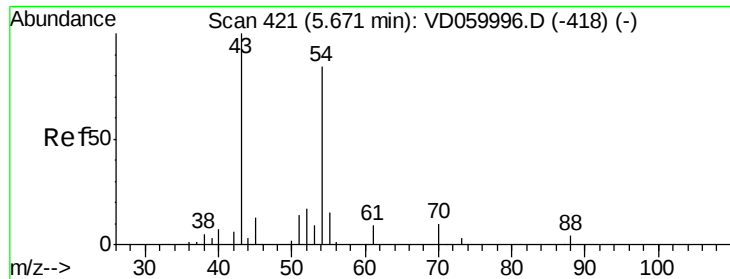
Tot Ion:113 Resp: 937796
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 19.7 18.1 27.1



#36
1,1-Dichloropropene
Concen: 50.11 ug/l
RT: 6.51 min Scan# 506
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 75 Resp: 1167830
Ion Ratio Lower Upper
75 100
110 37.6 18.9 56.9
77 31.4 25.3 37.9

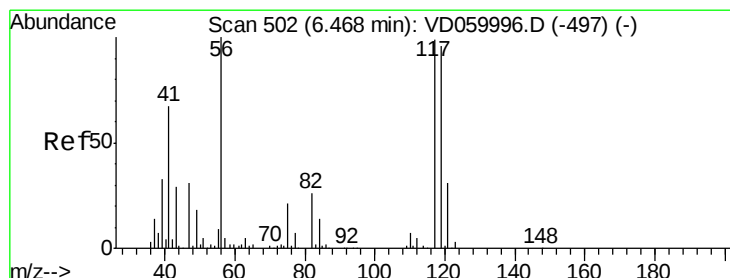
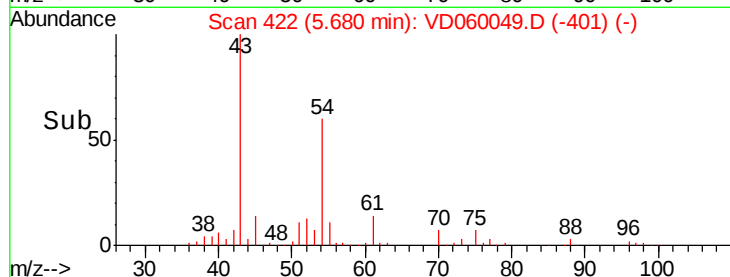
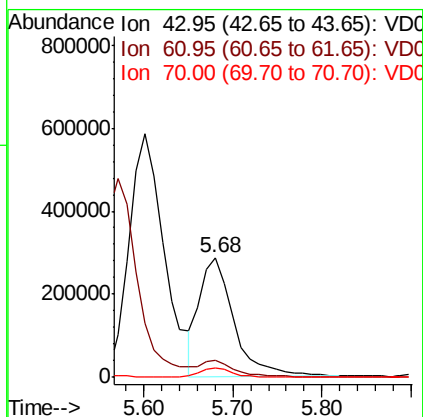
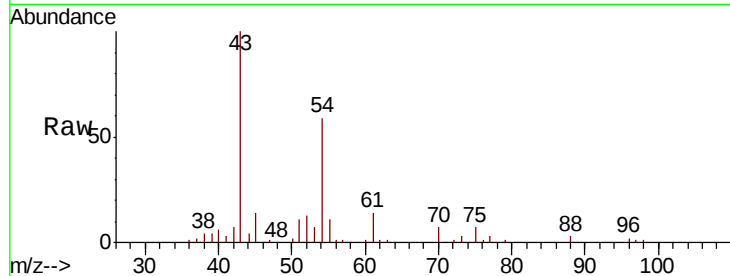




#37
Ethyl Acetate
Concen: 47.37 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

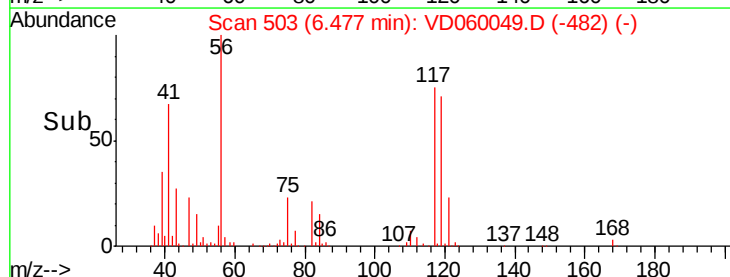
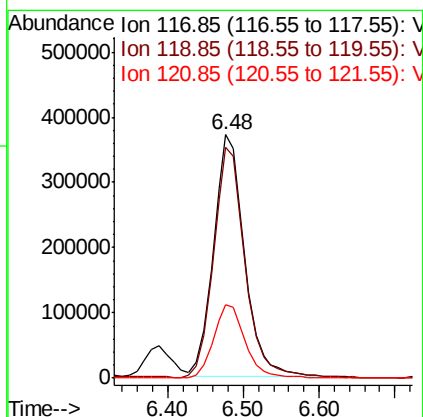
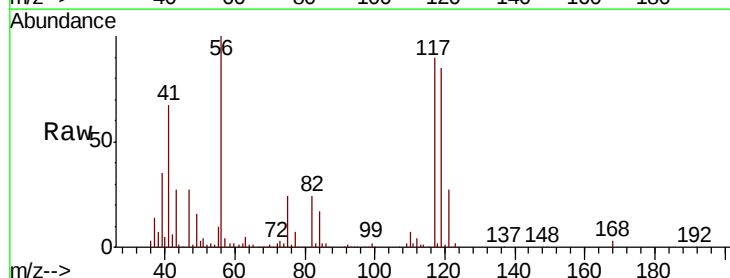
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

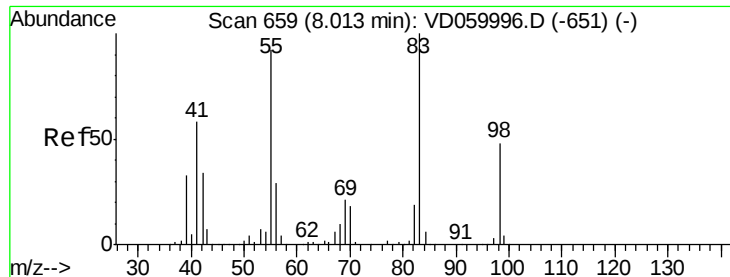
Tot Ion: 43 Resp: 759070
Ion Ratio Lower Upper
43 100
61 14.0 10.2 15.2
70 7.4 6.1 9.1



#38
Carbon Tetrachloride
Concen: 48.61 ug/l
RT: 6.48 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 117 Resp: 1057419
Ion Ratio Lower Upper
117 100
119 94.8 76.7 115.1
121 30.3 24.9 37.3

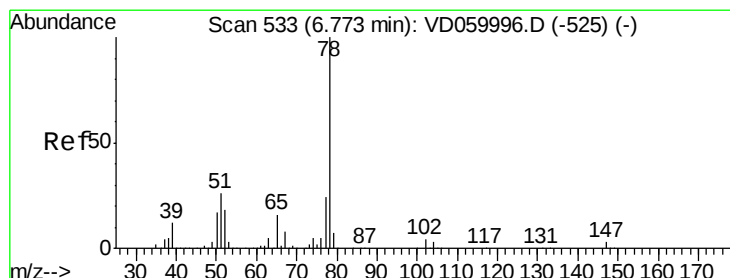
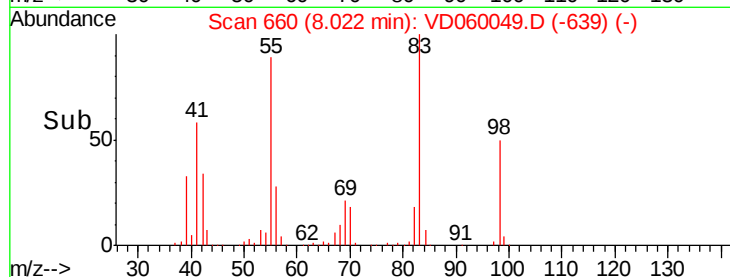
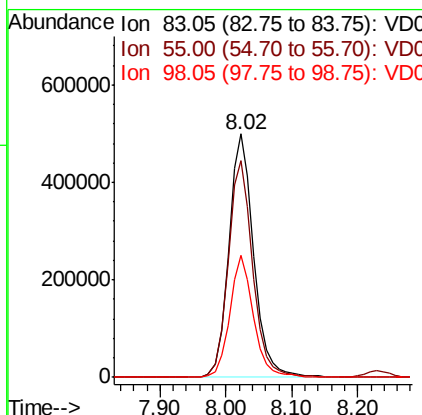
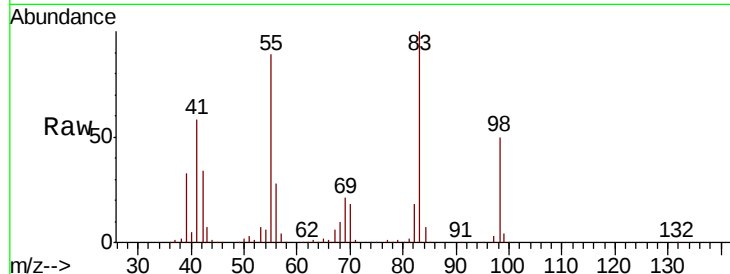




#39
Methvlcvclohexane
Concen: 49.88 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

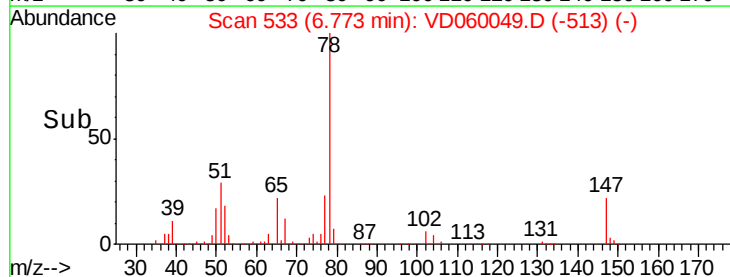
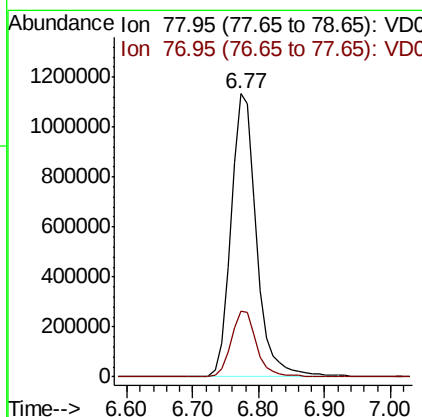
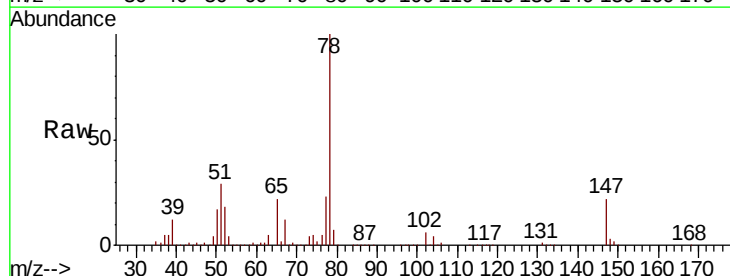
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

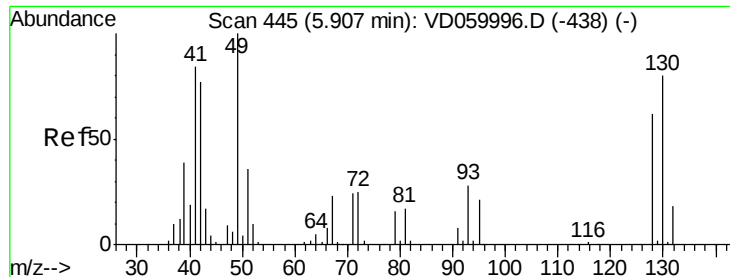
Tot Ion: 83 Resp: 1314865
Ion Ratio Lower Upper
83 100
55 89.0 73.8 110.6
98 49.9 38.1 57.1



#40
Benzene
Concen: 51.66 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 78 Resp: 3068542
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 105.37 ug/l

RT: 5.93 min Scan# 447

Delta R.T. 0.02 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 884442

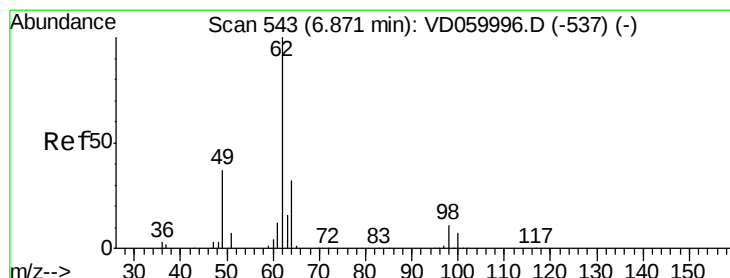
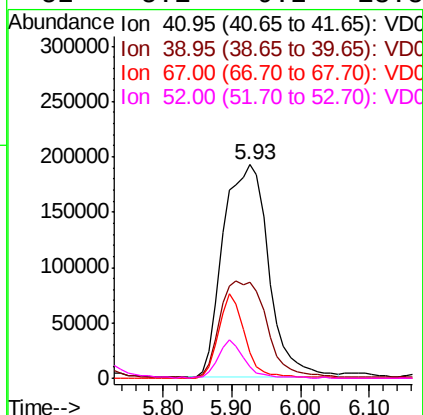
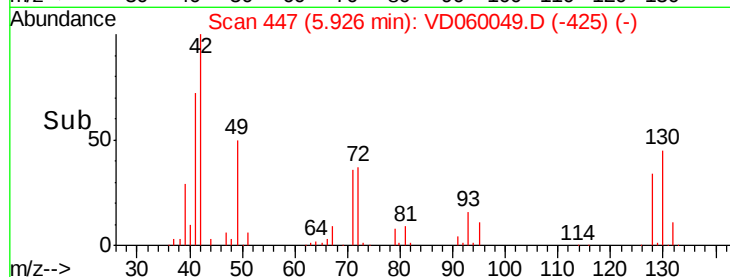
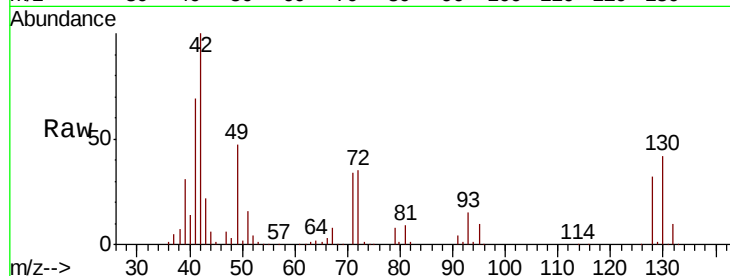
Ion Ratio Lower Upper

41 100

39 45.0 37.5 56.3

67 11.9 21.5 32.3#

52 5.1 9.2 13.8#



#42

1,2-Dichloroethane

Concen: 50.29 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060049.D

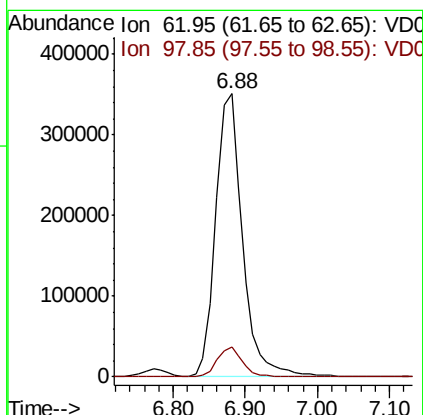
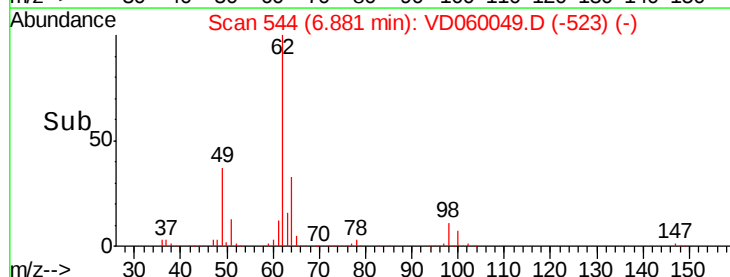
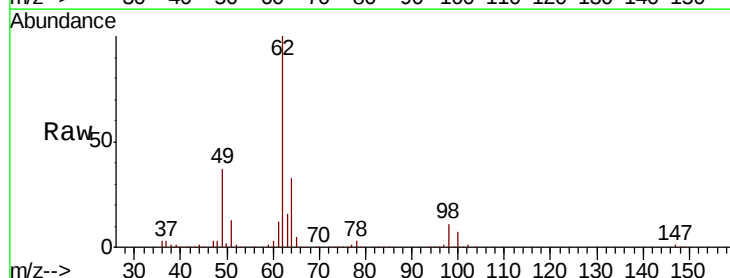
Acq: 20 Sep 2018 11:09

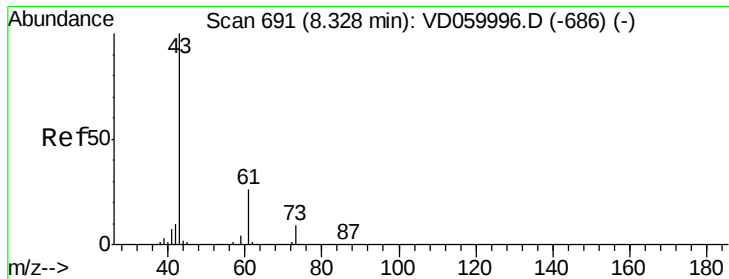
Tgt Ion: 62 Resp: 896919

Ion Ratio Lower Upper

62 100

98 10.5 0.0 21.4



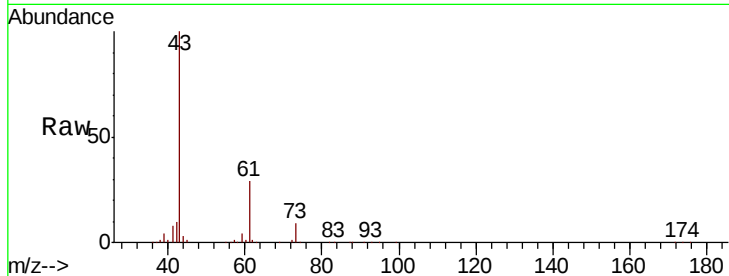


#43

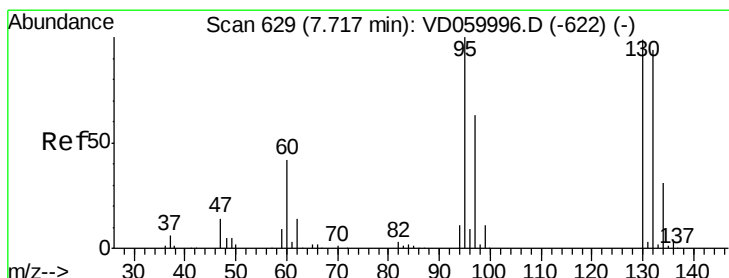
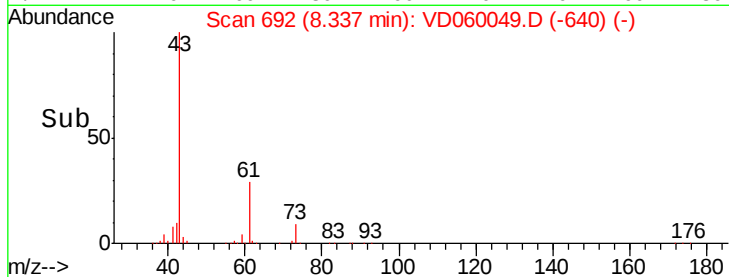
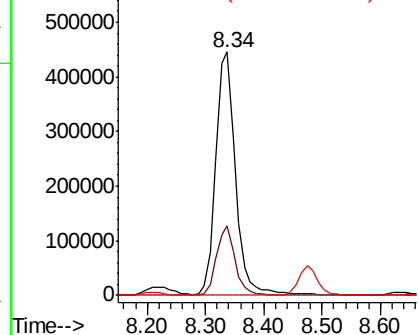
Isopropyl Acetate
 Concen: 48.32 ug/l
 RT: 8.34 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1036730
 Ion Ratio Lower Upper
 43 100
 61 28.7 21.0 31.6
 87 0.3 0.2 0.2#



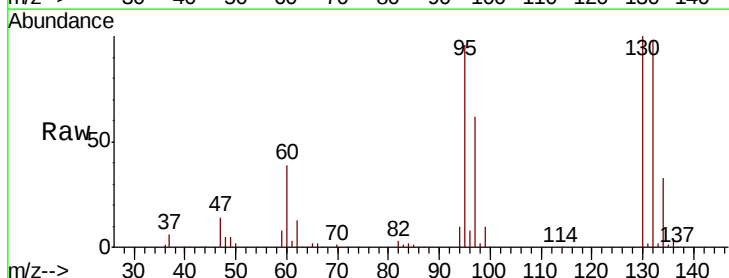
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



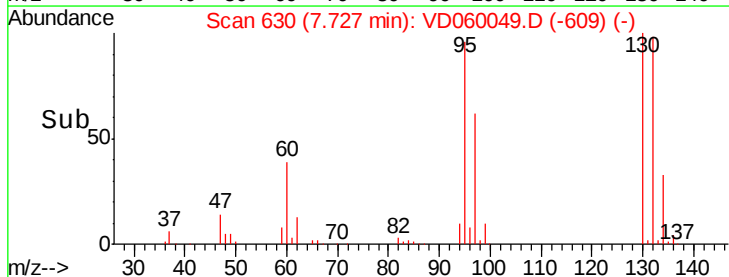
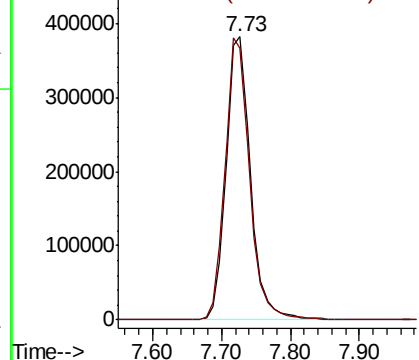
#44

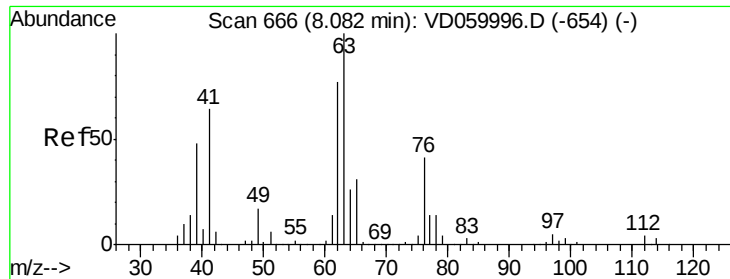
Trichloroethene
 Concen: 50.98 ug/l
 RT: 7.73 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 130 Resp: 935638
 Ion Ratio Lower Upper
 130 100
 95 95.9 0.0 202.0



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

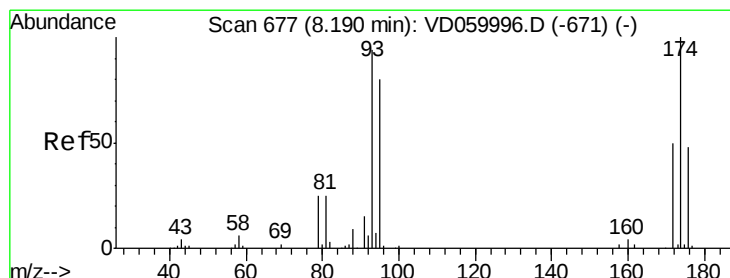
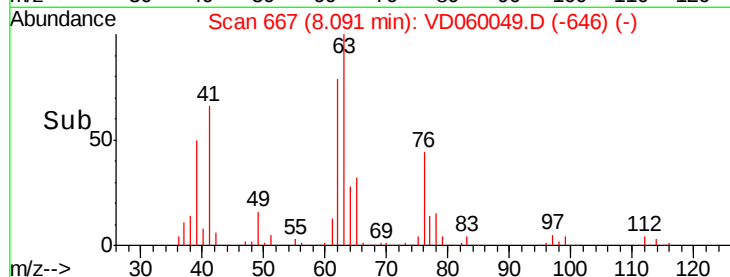
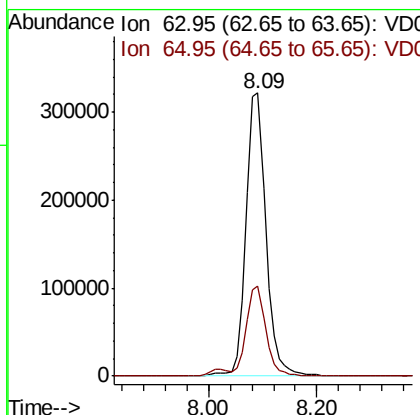
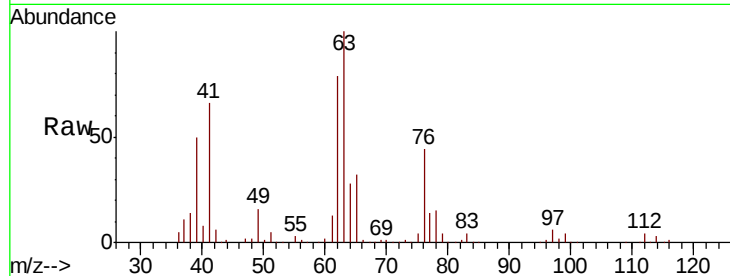




#45
 1,2-Dichloropropane
 Concen: 51.72 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

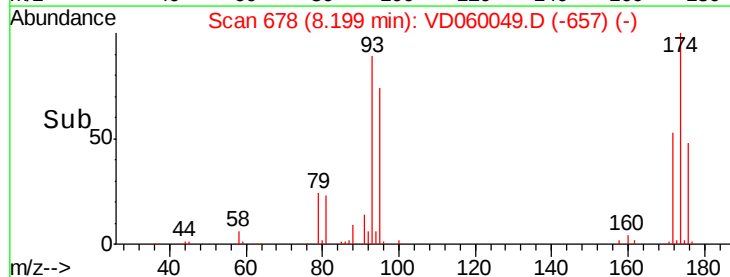
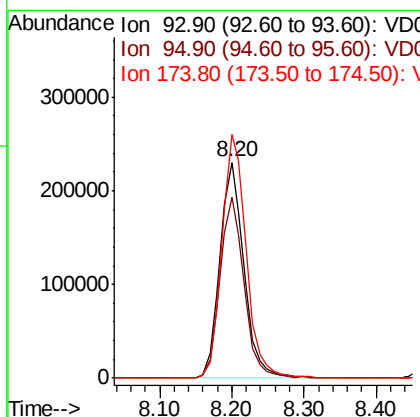
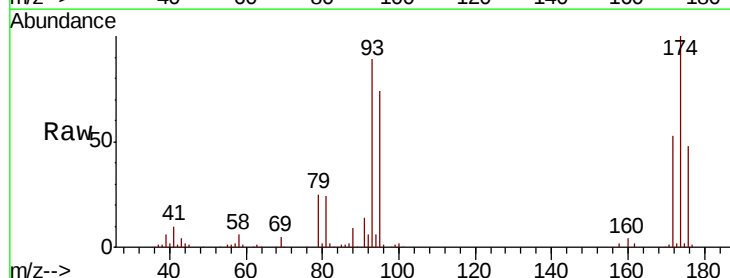
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

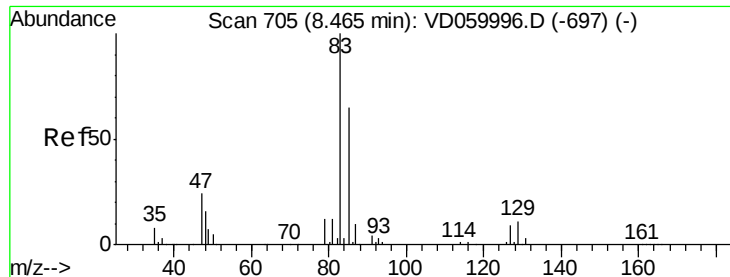
Tot Ion: 63 Resp: 821386
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.6 37.0



#46
 Dibromomethane
 Concen: 50.97 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 93 Resp: 528169
 Ion Ratio Lower Upper
 93 100
 95 83.6 68.0 102.0
 174 112.7 85.4 128.2





#47

Bromodichloromethane

Concen: 51.85 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

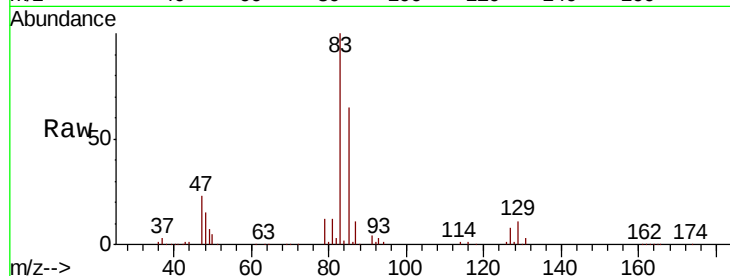
Tot Ion: 83 Resp: 1158371

Ion Ratio Lower Upper

83 100

85 65.5 51.9 77.9

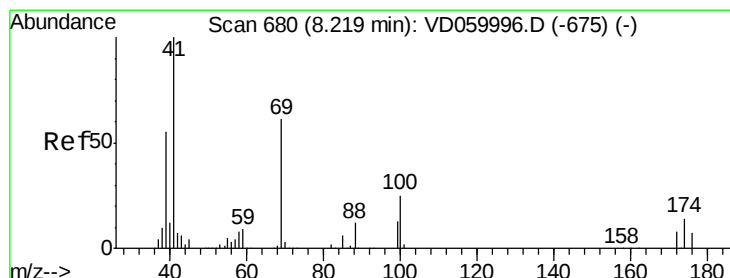
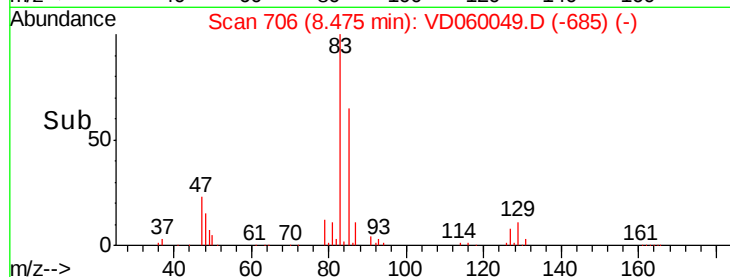
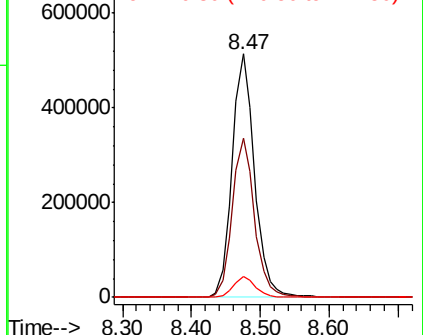
127 8.4 6.8 10.2



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: 48.87 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

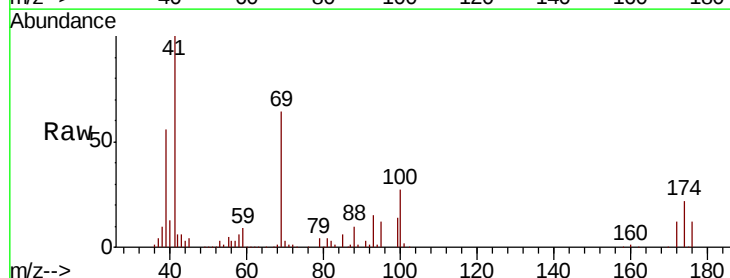
Tgt Ion: 41 Resp: 584062

Ion Ratio Lower Upper

41 100

69 64.3 48.3 72.5

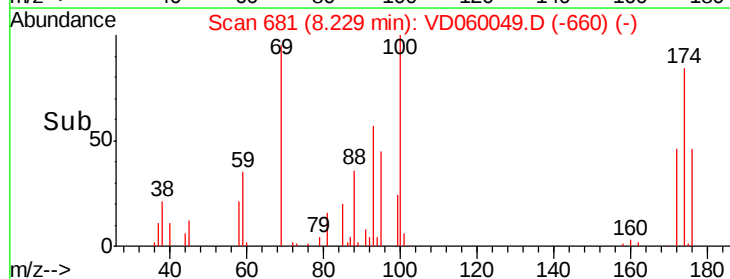
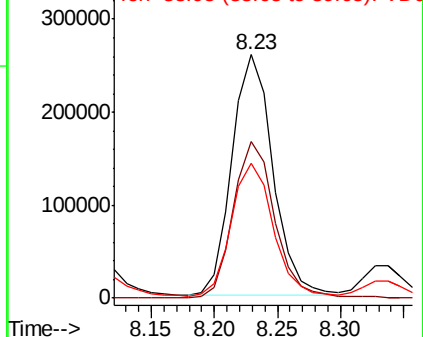
39 55.5 44.1 66.1

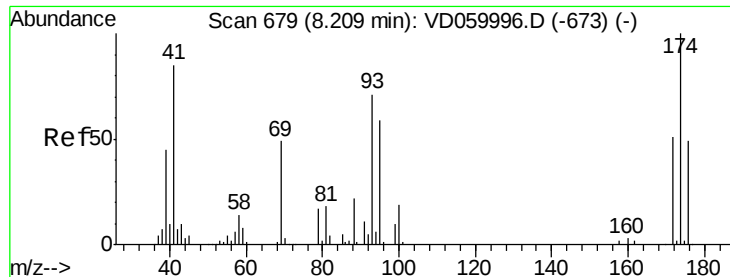


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

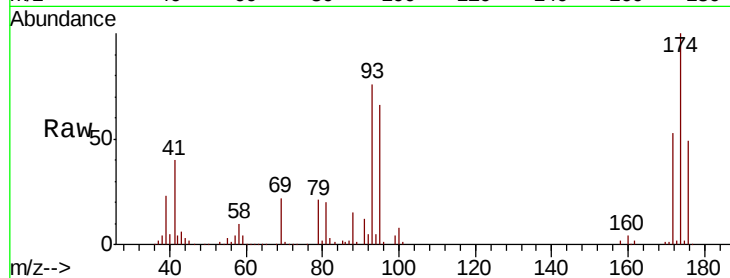




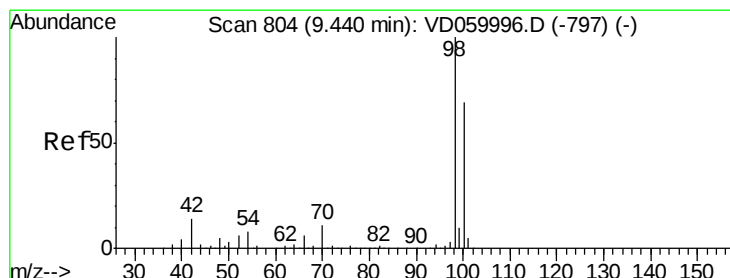
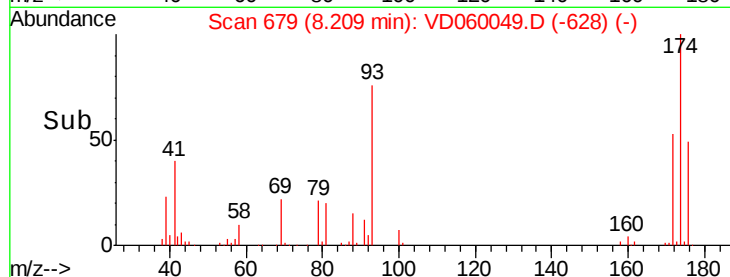
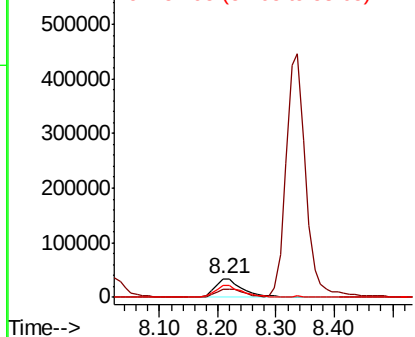
#49
1,4-Dioxane
Concen: 958.18 ug/l
RT: 8.21 min Scan# 679
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 113730
Ion Ratio Lower Upper
88 100
43 41.0 36.2 54.2
58 67.9 51.0 76.6

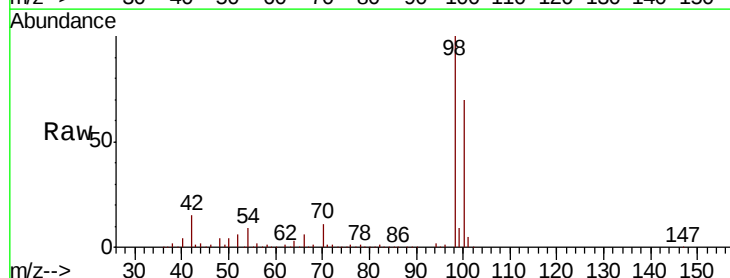


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

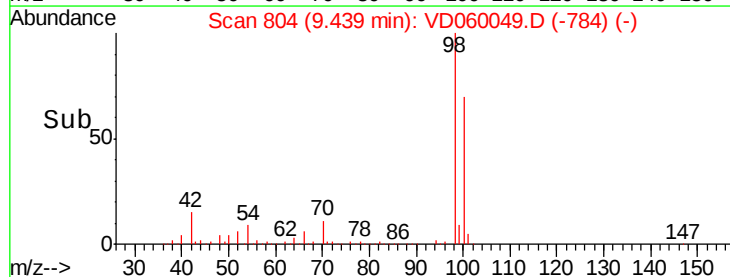
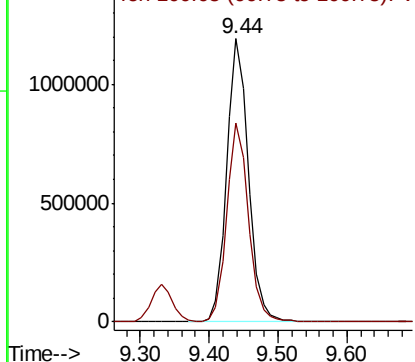


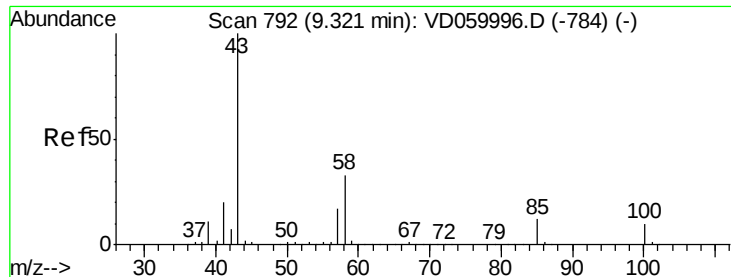
#50
Toluene-d8
Concen: 958.18 ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 98 Resp: 2597834
Ion Ratio Lower Upper
98 100
100 70.1 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: 225.31 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

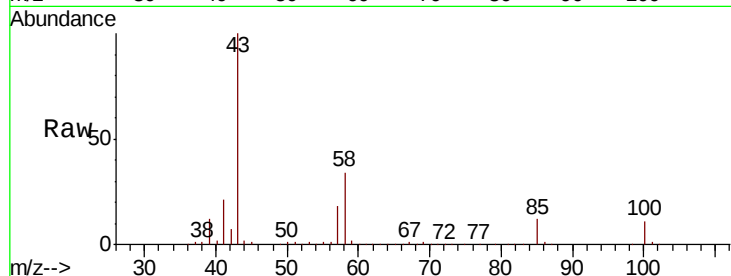
VSTDCCC050

Tot Ion: 43 Resp: 3226991

Ion Ratio Lower Upper

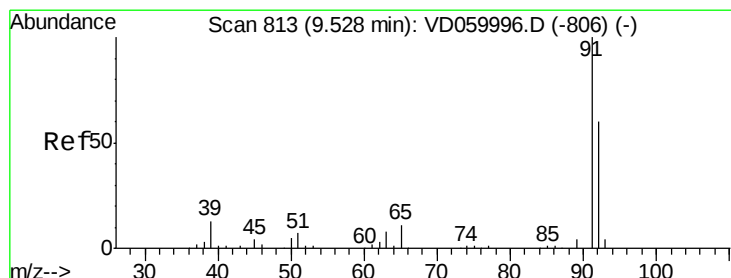
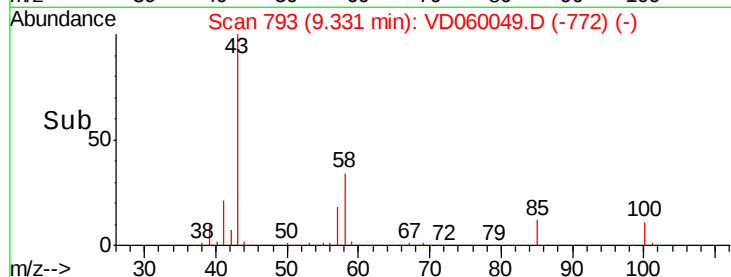
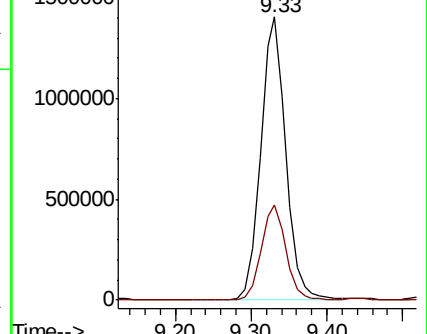
43 100

58 33.6 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.09 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060049.D

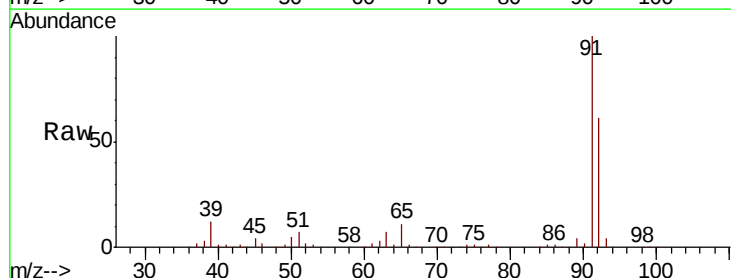
Acq: 20 Sep 2018 11:09

Tgt Ion: 92 Resp: 1906868

Ion Ratio Lower Upper

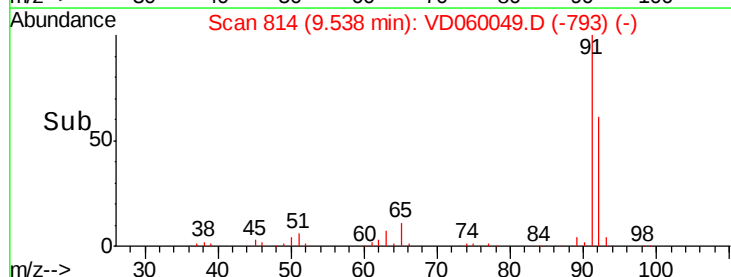
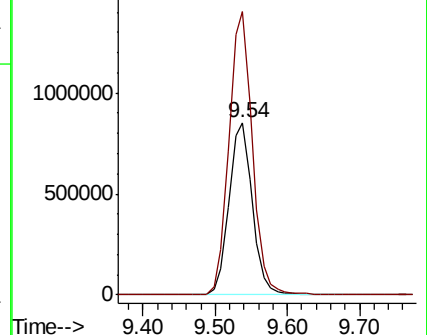
92 100

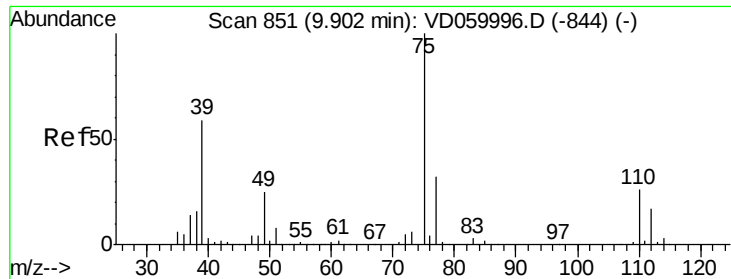
91 164.5 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 50.88 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

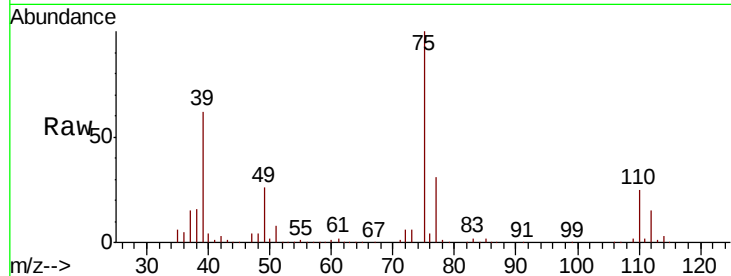
VSTDCCC050

Tot Ion: 75 Resp: 1060201

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

500000

400000

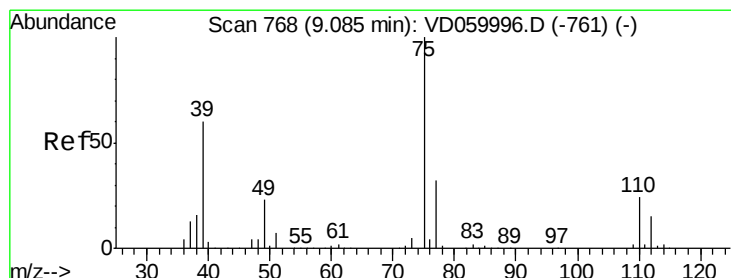
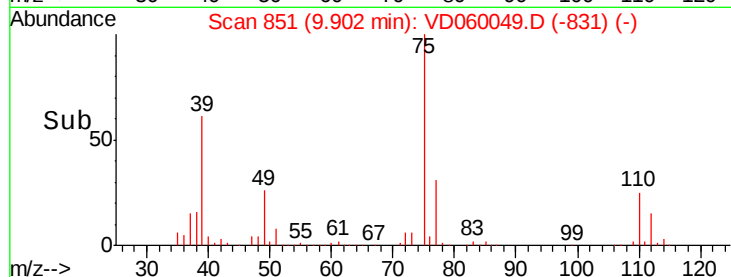
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.42 ug/l

RT: 9.09 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

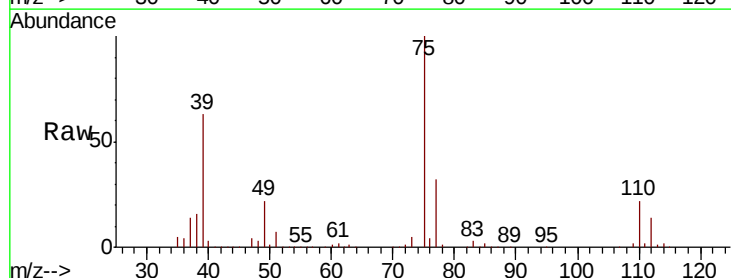
Tgt Ion: 75 Resp: 1305163

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 62.6 48.0 72.0



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

9.09

800000

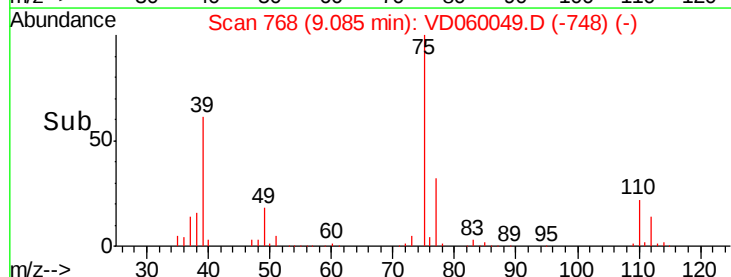
600000

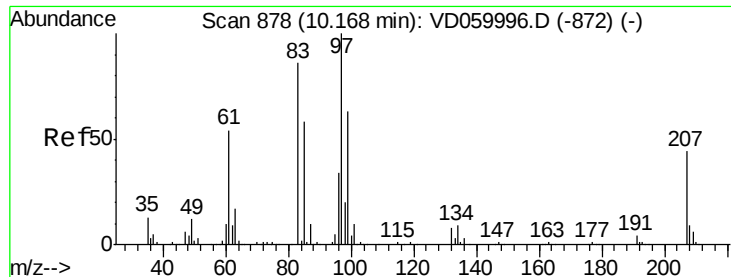
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.52 ug/l

RT: 10.17 min Scan# 878

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 654633

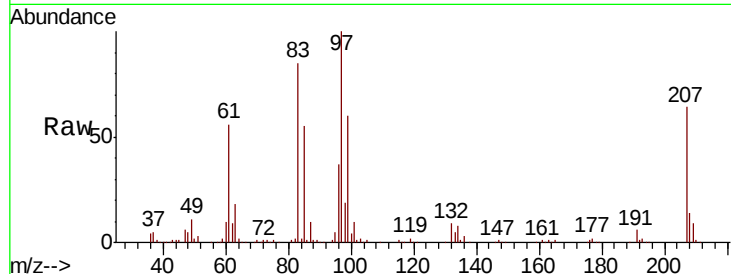
Ion Ratio Lower Upper

97 100

83 85.4 69.1 103.7

85 54.5 46.2 69.4

99 59.6 50.6 75.8

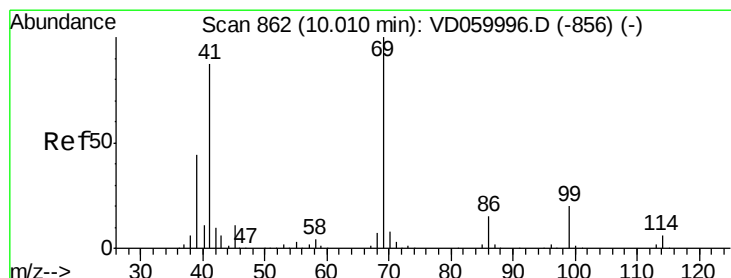
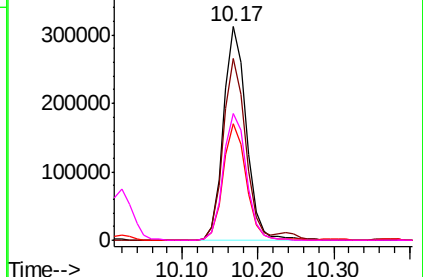
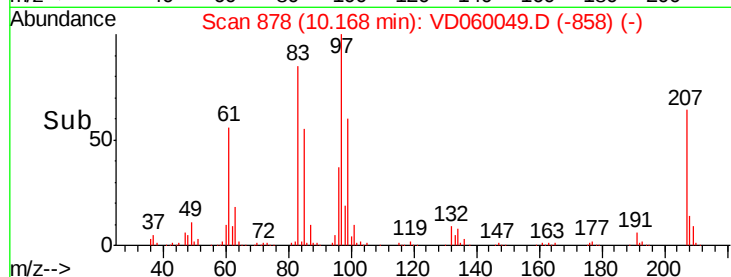


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 50.81 ug/l

RT: 10.02 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

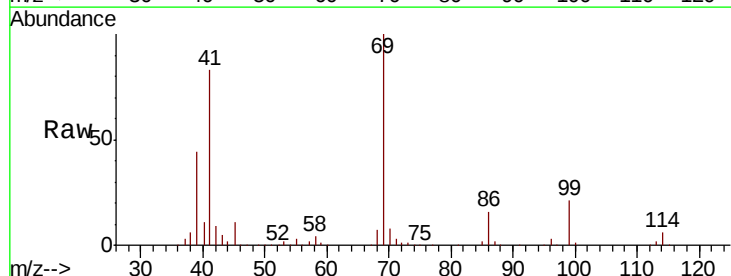
Tgt Ion: 69 Resp: 745025

Ion Ratio Lower Upper

69 100

41 82.7 70.1 105.1

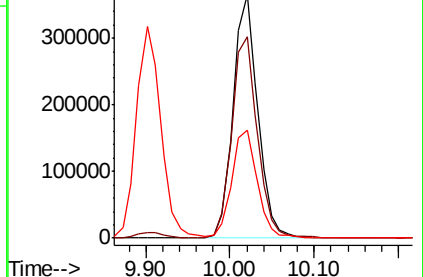
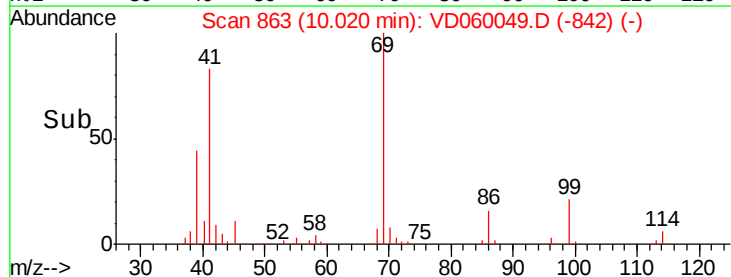
39 44.4 36.5 54.7

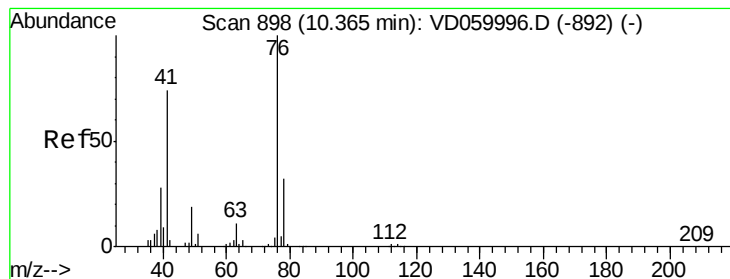


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 52.09 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

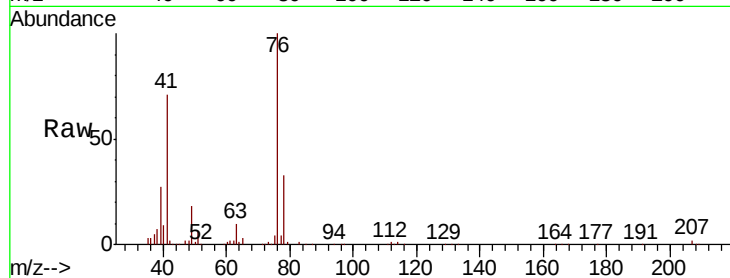
VSTDCCC050

Tot Ion: 76 Resp: 1016488

Ion Ratio Lower Upper

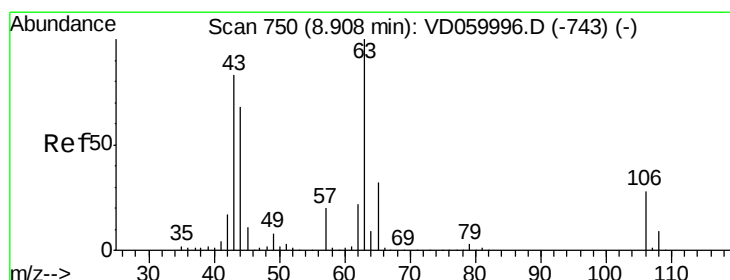
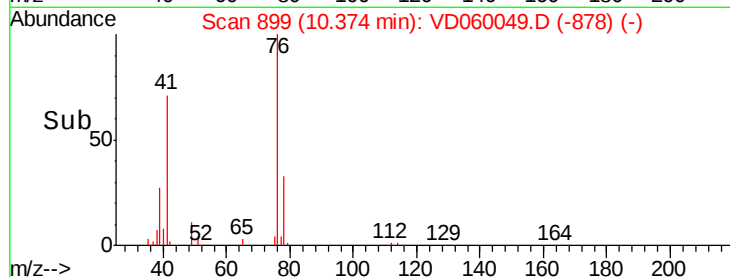
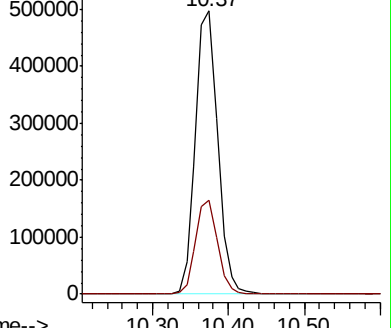
76 100

78 33.0 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 269.42 ug/l

RT: 8.91 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD060049.D

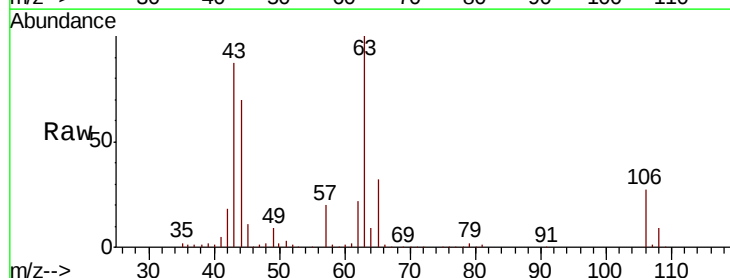
Acq: 20 Sep 2018 11:09

Tgt Ion: 63 Resp: 1907543

Ion Ratio Lower Upper

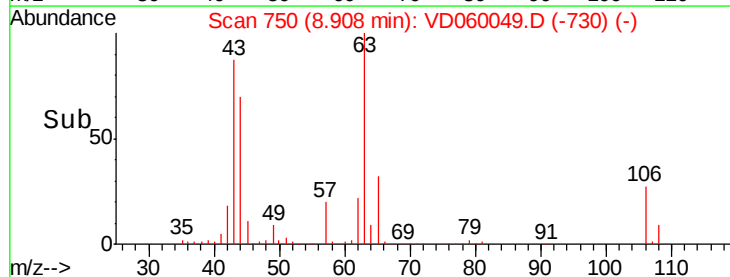
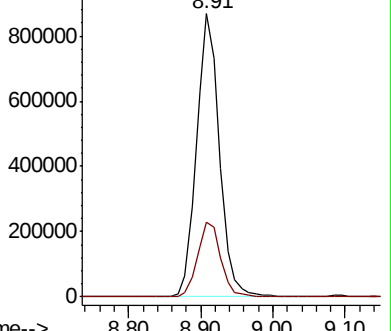
63 100

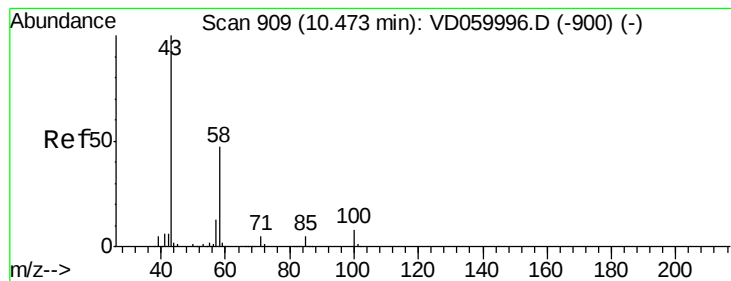
106 26.6 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 233.70 ug/l

RT: 10.47 min Scan# 909

Delta R.T. 0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

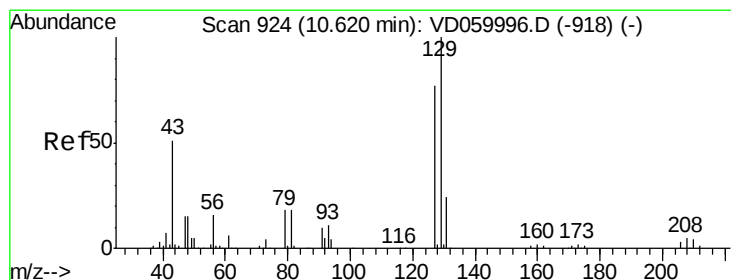
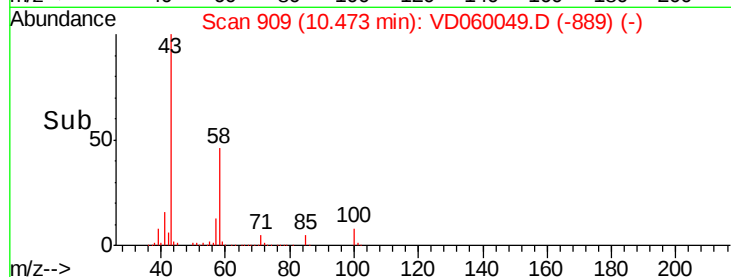
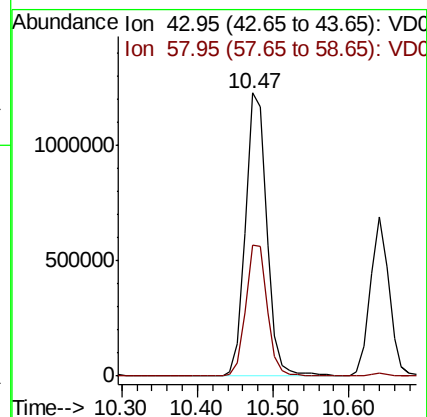
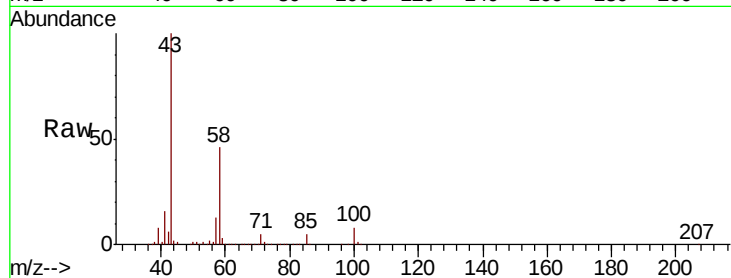
VSTDCCC050

Tot Ion: 43 Resp: 2381098

Ion Ratio Lower Upper

43 100

58 46.4 23.4 70.0



#60

Dibromochloromethane

Concen: 52.57 ug/l

RT: 10.63 min Scan# 925

Delta R.T. 0.01 min

Lab File: VD060049.D

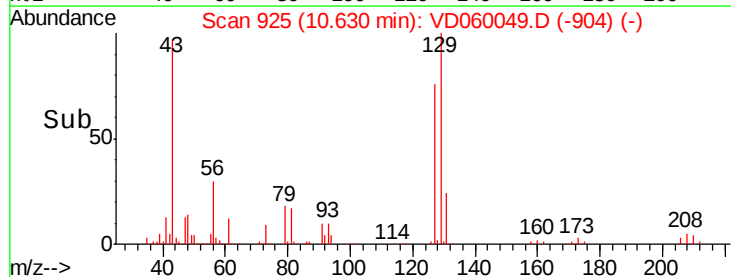
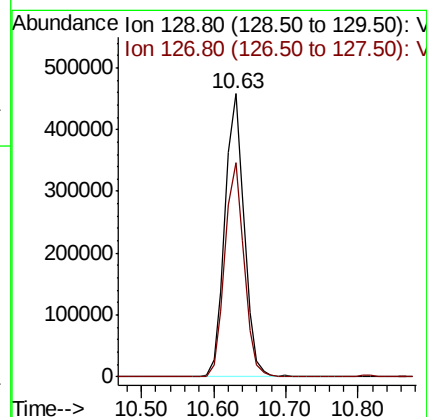
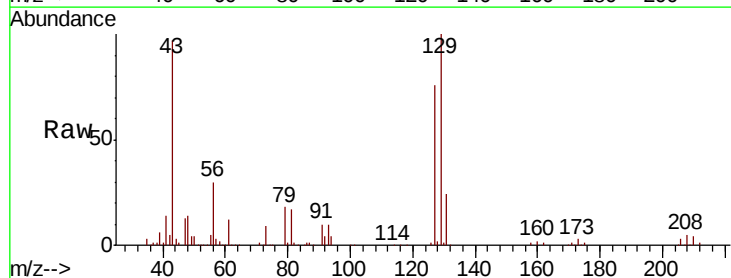
Acq: 20 Sep 2018 11:09

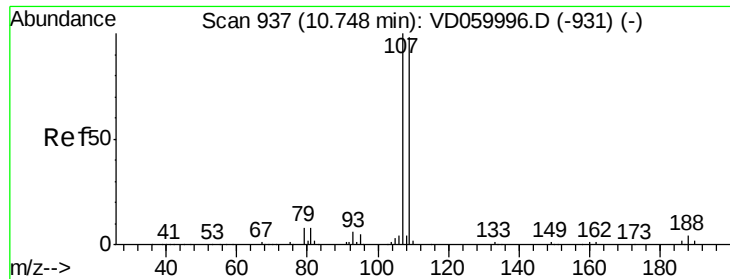
Tgt Ion: 129 Resp: 845788

Ion Ratio Lower Upper

129 100

127 75.5 38.6 116.0

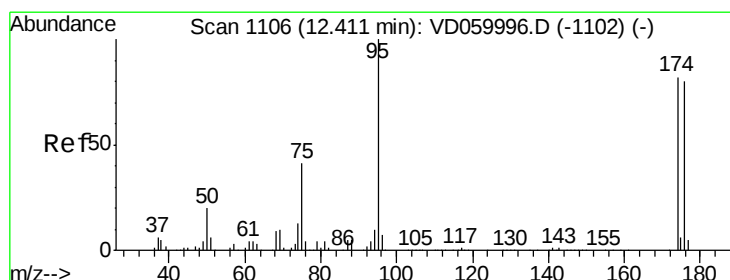
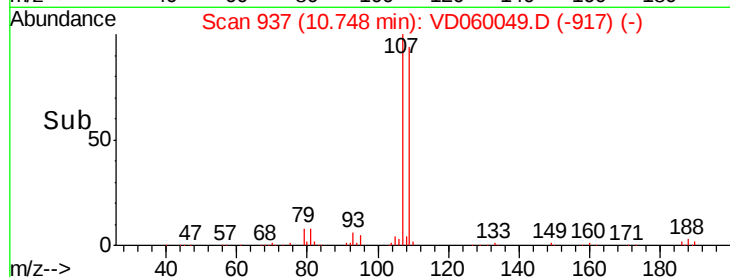
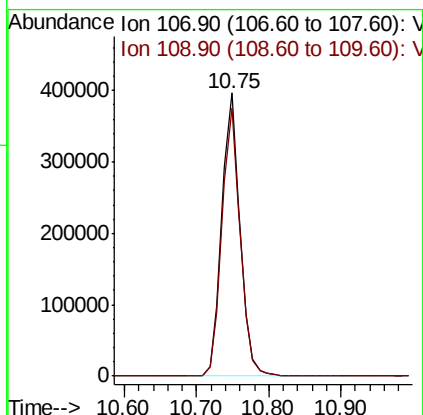
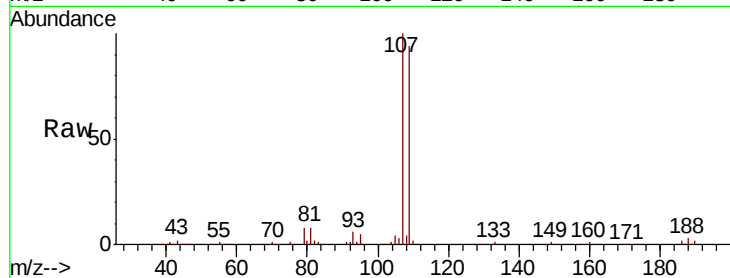




#61
 1,2-Dibromoethane
 Concen: 50.61 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

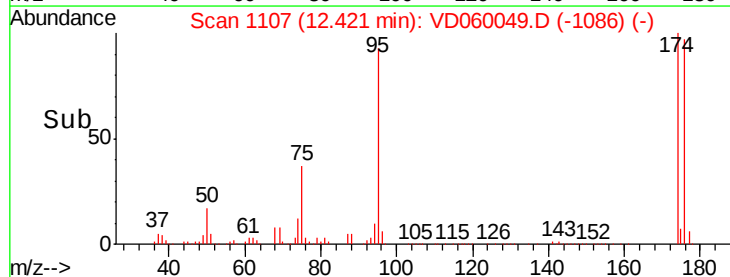
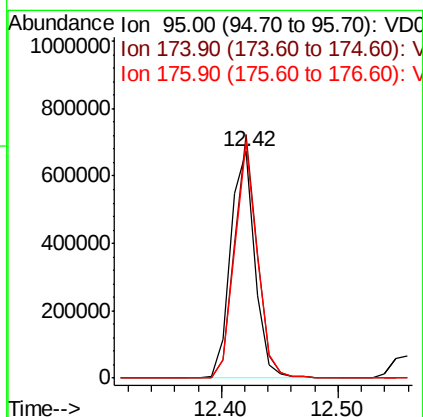
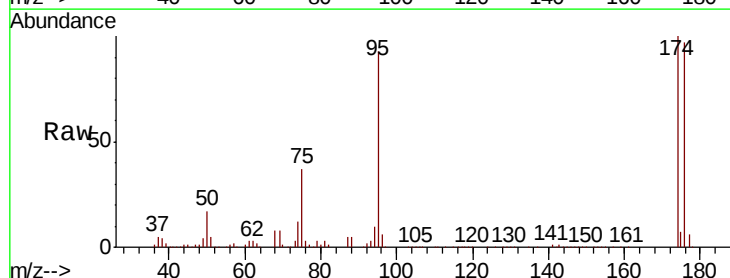
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

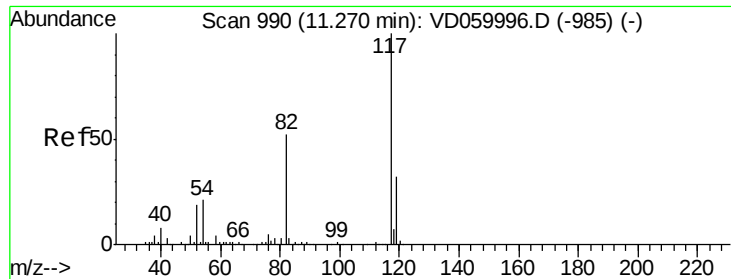
Tot Ion:107 Resp: 690734
 Ion Ratio Lower Upper
 107 100
 109 94.5 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 50.61 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 95 Resp: 973757
 Ion Ratio Lower Upper
 95 100
 174 107.5 0.0 165.0
 176 104.1 0.0 160.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

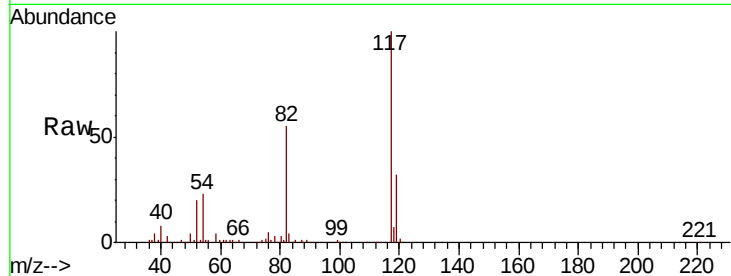
Tot Ion:117 Resp: 1893405

Ion Ratio Lower Upper

117 100

82 54.5 41.7 62.5

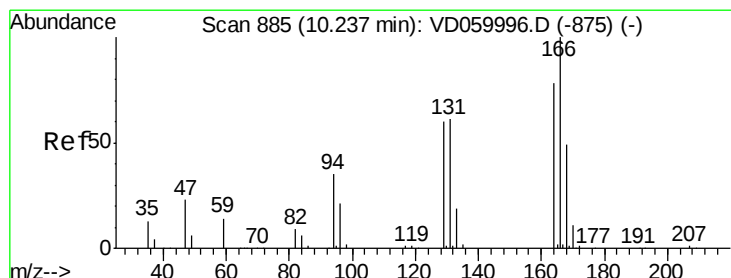
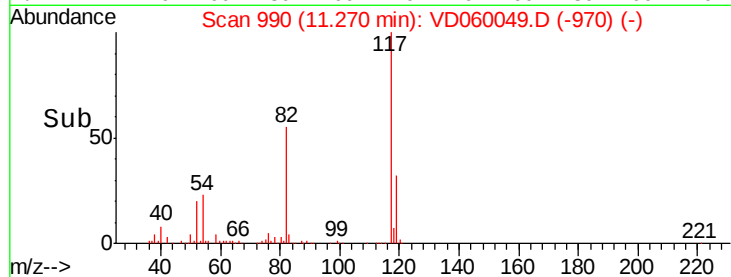
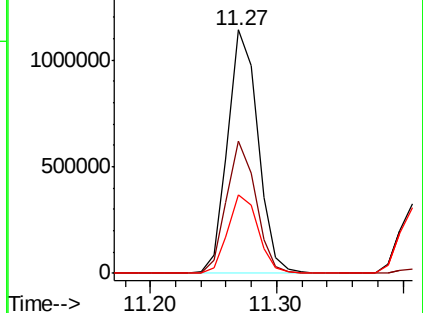
119 32.5 26.0 39.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 52.26 ug/l

RT: 10.24 min Scan# 885

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion:164 Resp: 873016

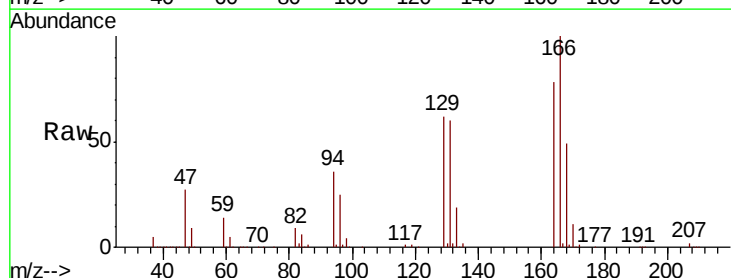
Ion Ratio Lower Upper

164 100

166 128.0 103.0 154.6

129 78.8 61.9 92.9

131 77.0 62.6 93.8

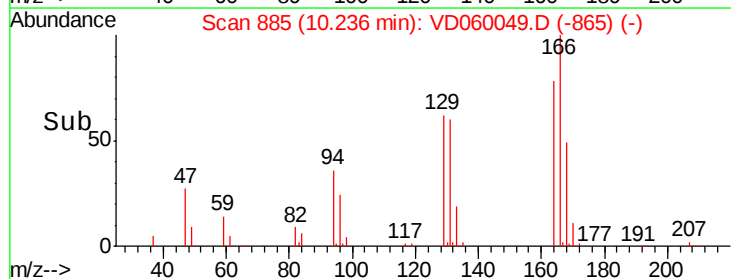
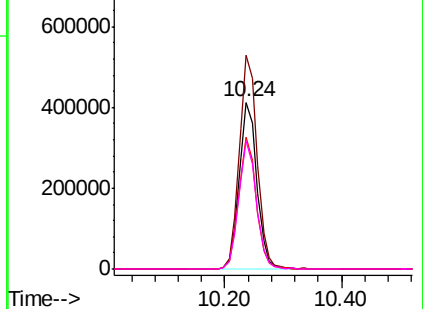


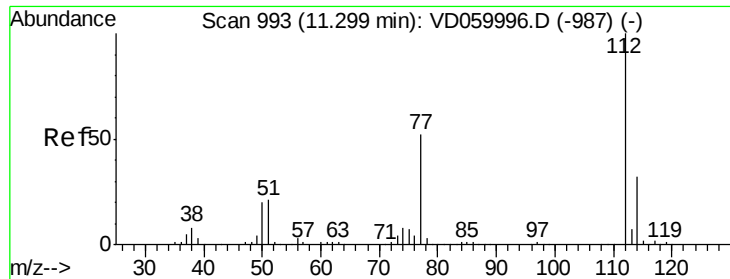
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

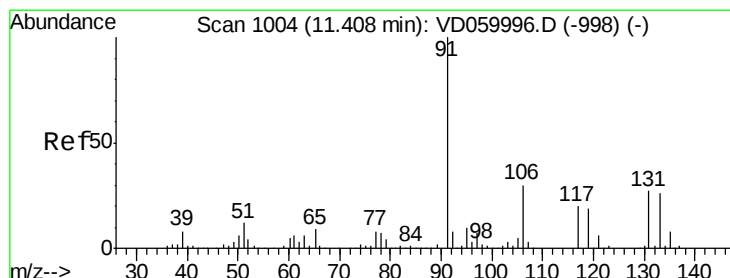
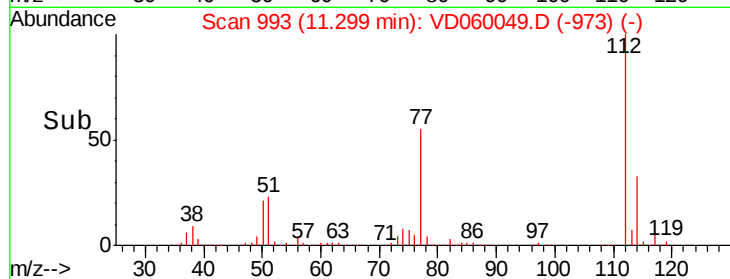
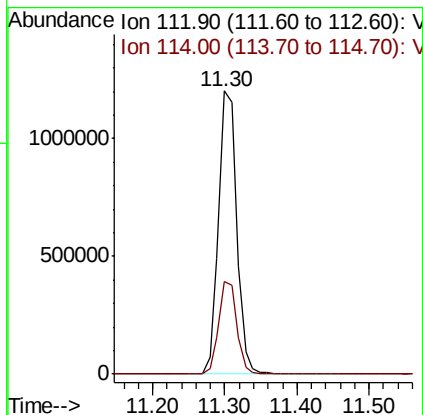
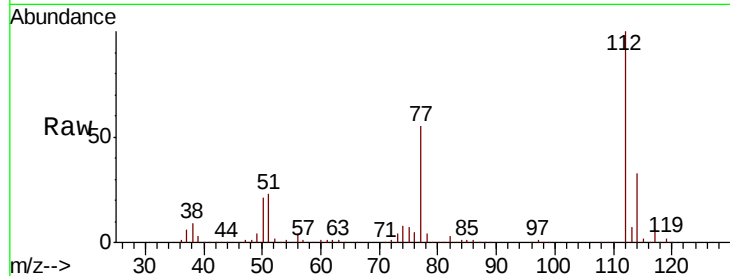




#65
Chlorobenzene
Concen: 51.22 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

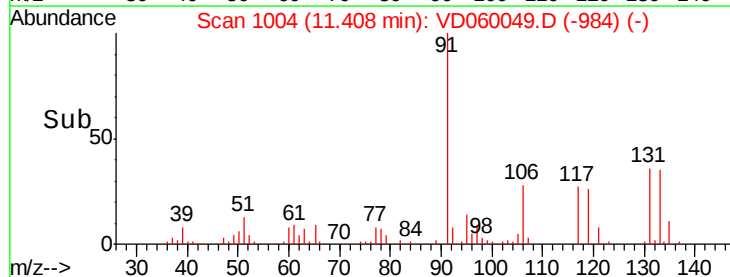
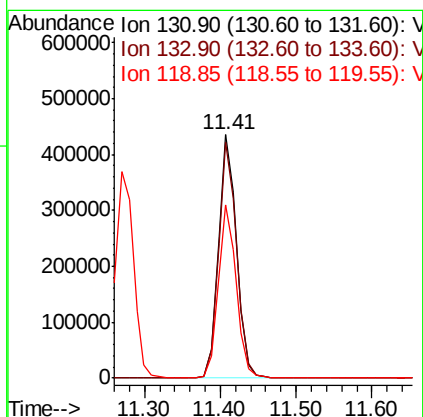
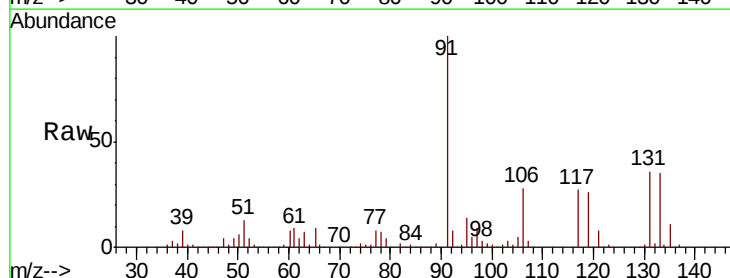
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

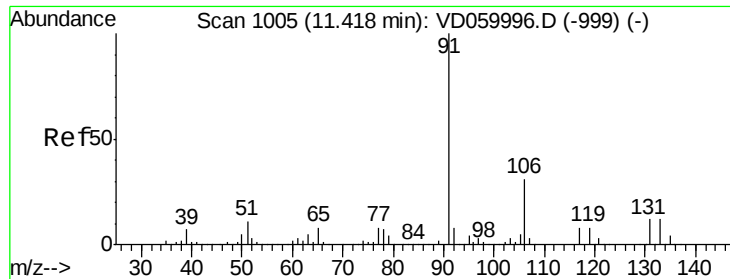
Tot Ion:112 Resp: 2085232
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.23 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion:131 Resp: 730886
Ion Ratio Lower Upper
131 100
133 97.0 47.4 142.3
119 71.3 35.6 106.9

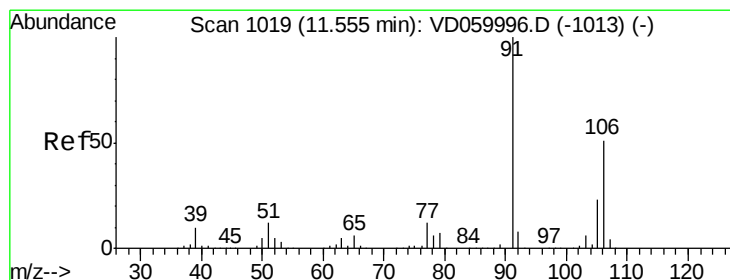
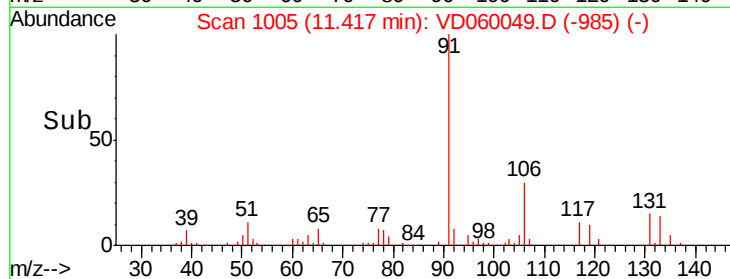
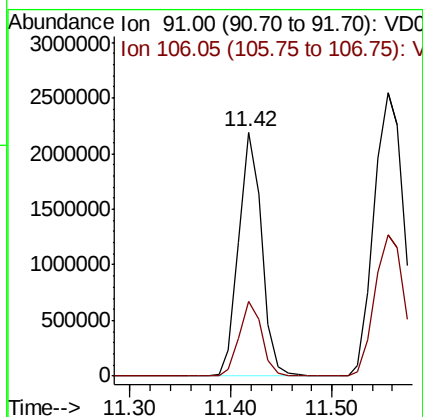
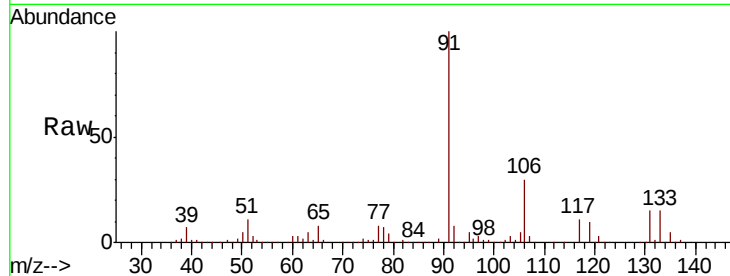




#67
Ethyl Benzene
Concen: 53.03 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

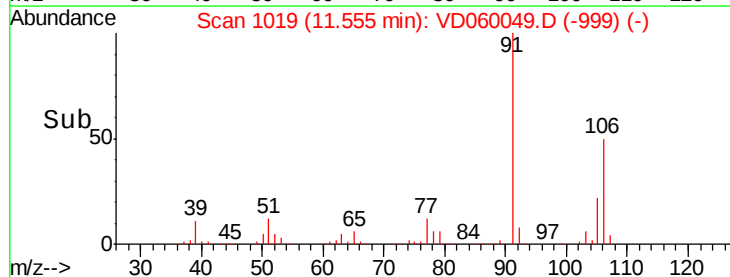
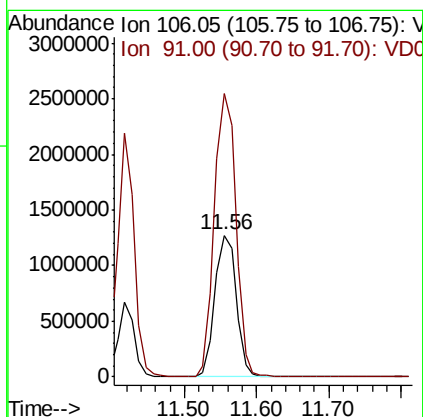
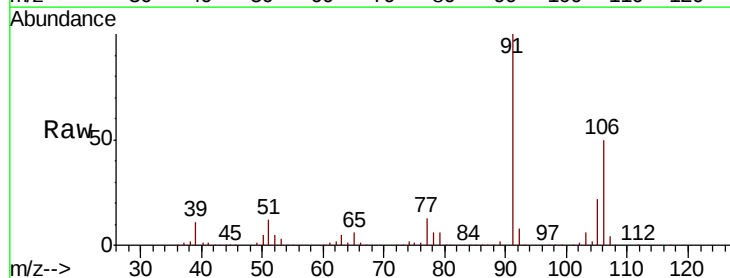
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

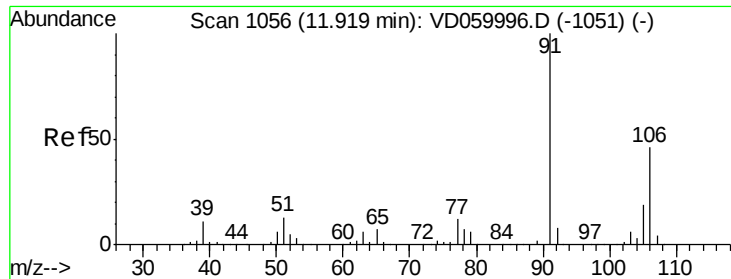
Tot Ion: 91 Resp: 3473681
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2



#68
m/p-Xylenes
Concen: 107.23 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 106 Resp: 2594308
Ion Ratio Lower Upper
106 100
91 199.8 157.0 235.6

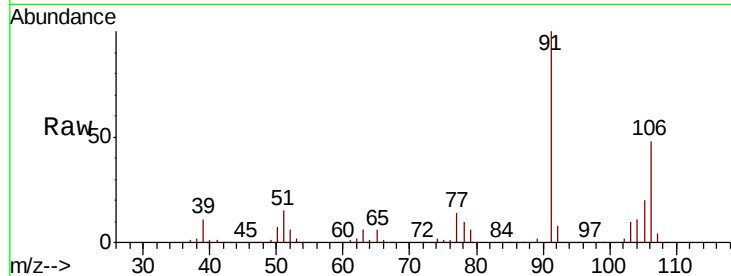




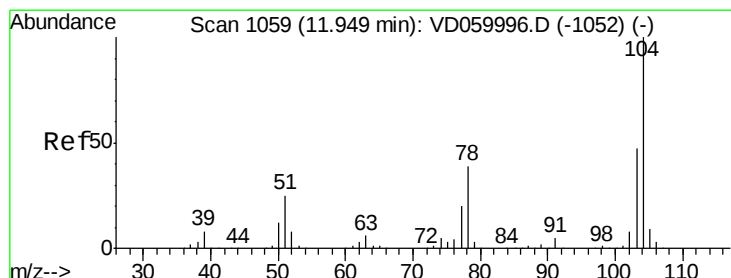
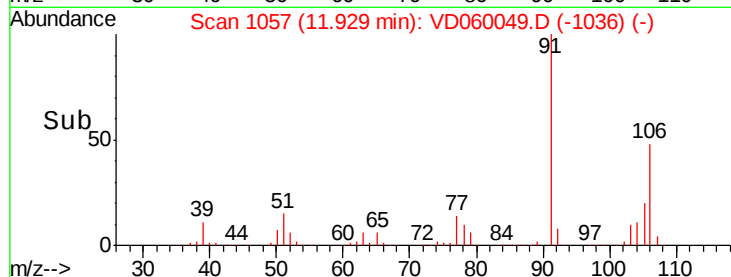
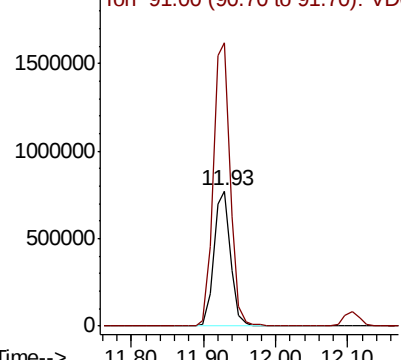
#69
o-Xylene
Concen: 51.26 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1228916
Ion Ratio Lower Upper
106 100
91 209.0 107.7 323.1

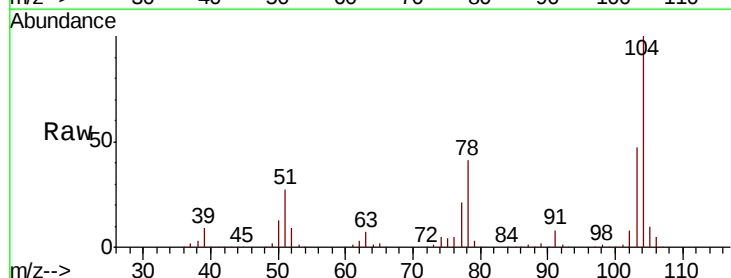


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

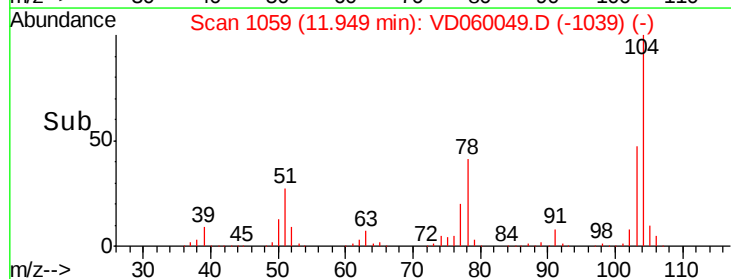
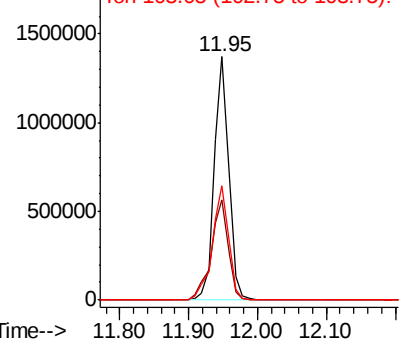


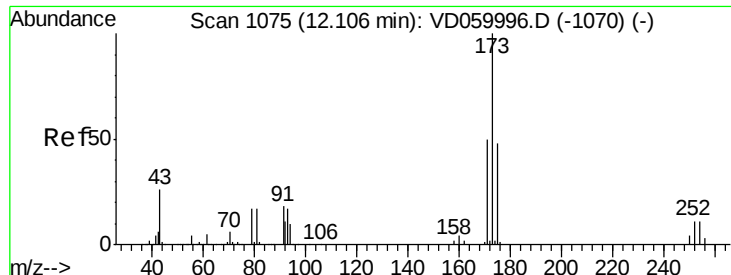
#70
Styrene
Concen: 49.47 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion:104 Resp: 1994183
Ion Ratio Lower Upper
104 100
78 41.2 31.0 46.4
103 46.9 37.6 56.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

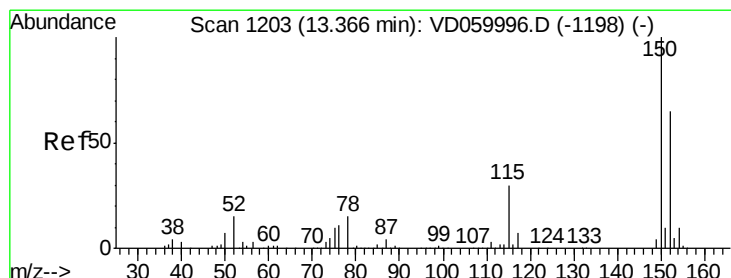
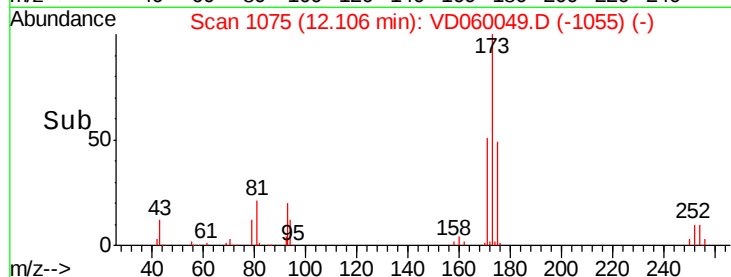
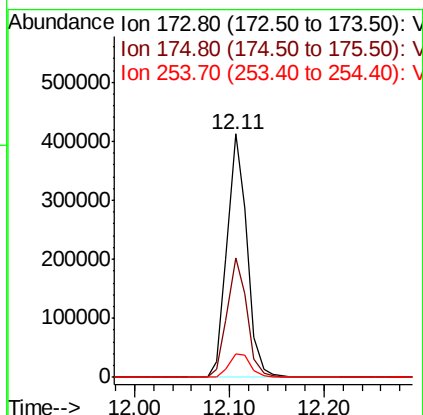
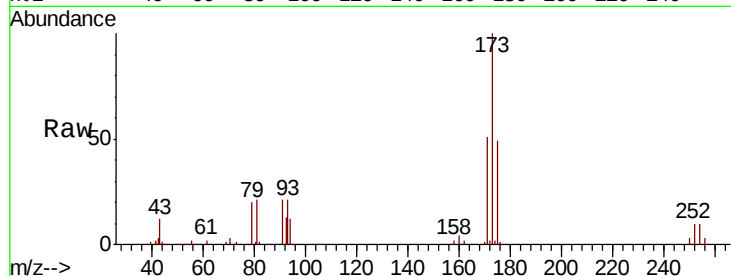




#71
Bromoform
Concen: 51.04 ug/l
RT: 12.11 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

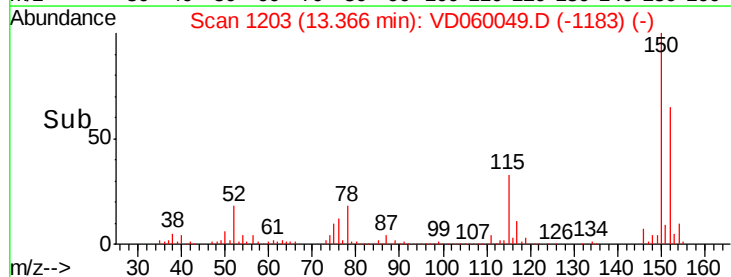
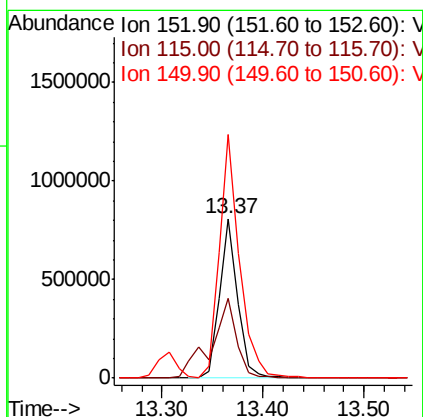
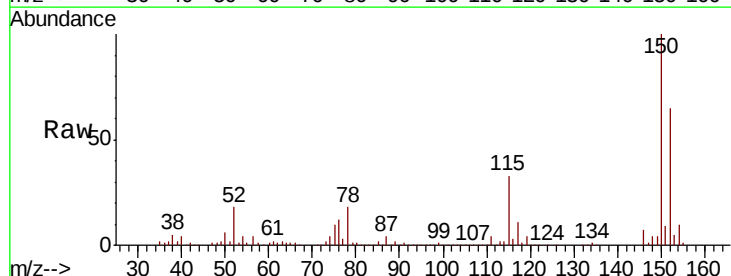
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

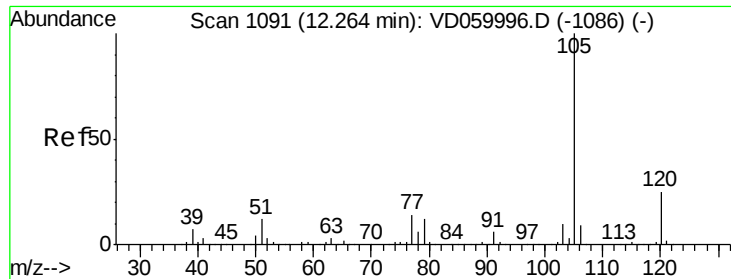
Tot Ion:173 Resp: 602035
Ion Ratio Lower Upper
173 100
175 49.3 24.0 72.0
254 9.7 8.6 13.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion:152 Resp: 1021904
Ion Ratio Lower Upper
152 100
115 50.2 24.6 73.8
150 153.0 0.0 313.4





#73

Isopropylbenzene

Concen: 50.15 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

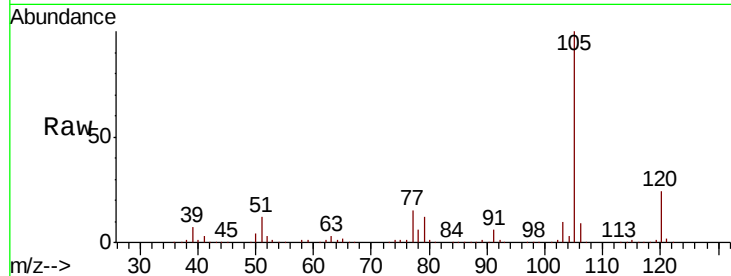
VSTDCCC050

Tot Ion:105 Resp: 3360780

Ion Ratio Lower Upper

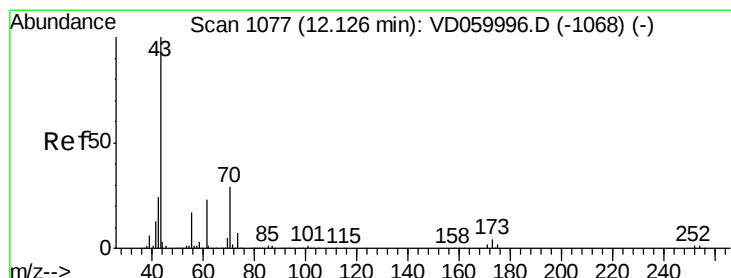
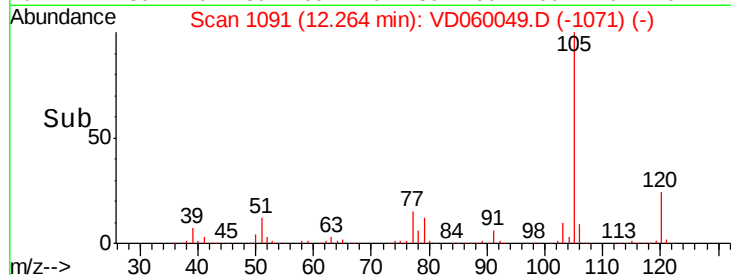
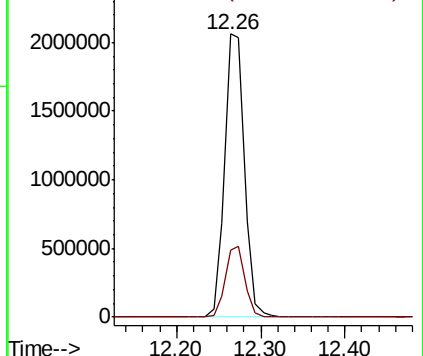
105 100

120 23.9 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.82 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Tgt Ion: 43 Resp: 1269544

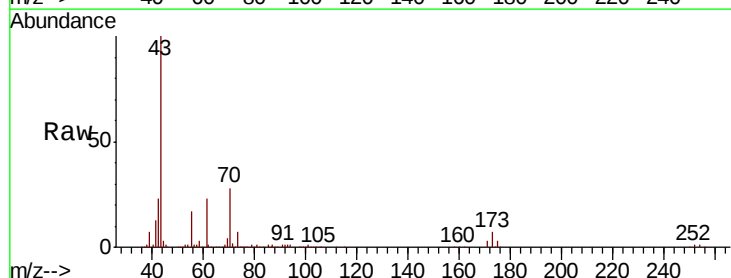
Ion Ratio Lower Upper

43 100

70 27.7 22.9 34.3

55 17.3 14.0 21.0

61 22.7 18.7 28.1

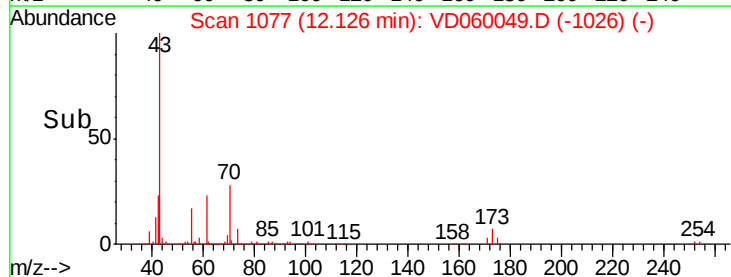
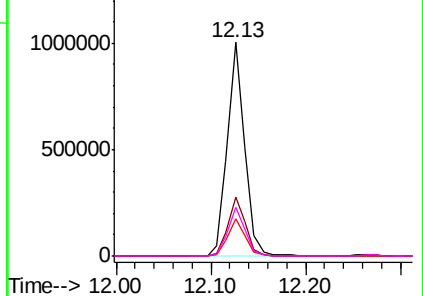


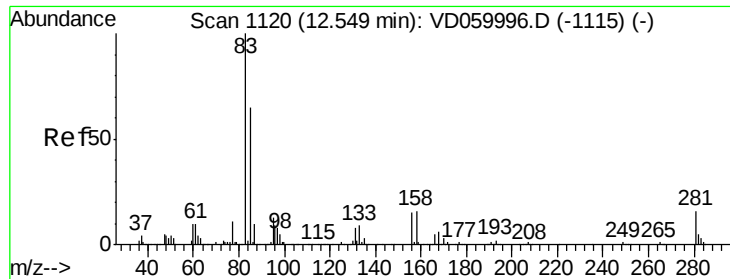
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

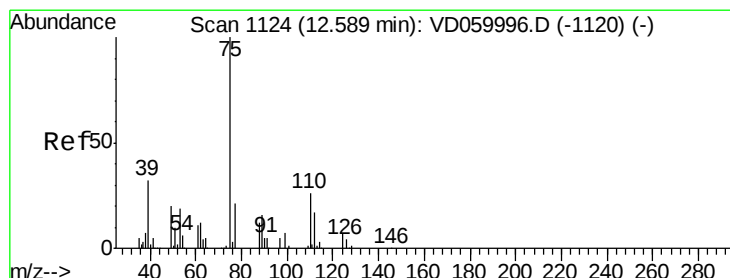
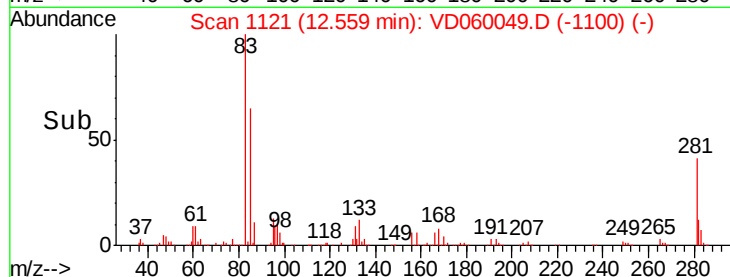
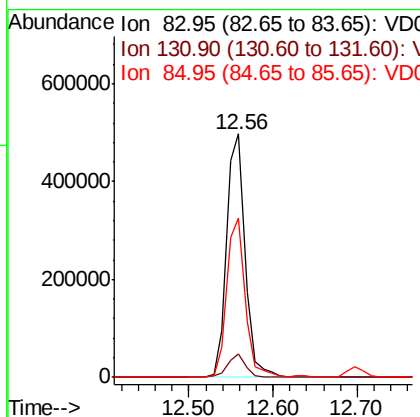
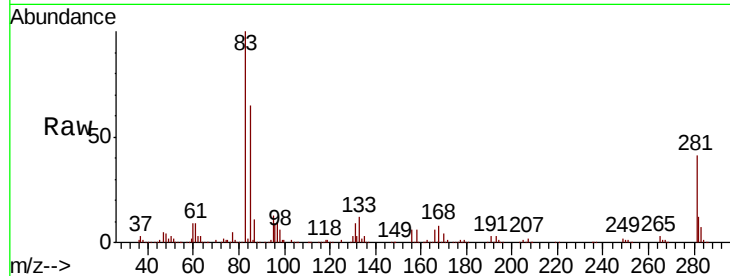




#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.02 ug/l
 RT: 12.56 min Scan# 1121
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

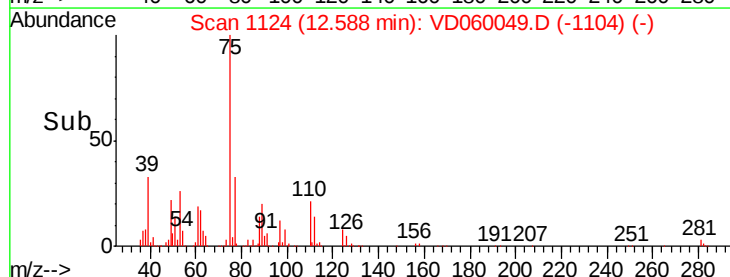
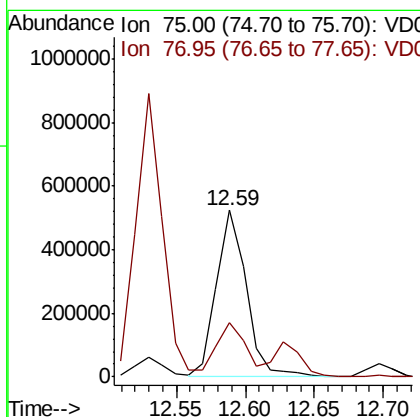
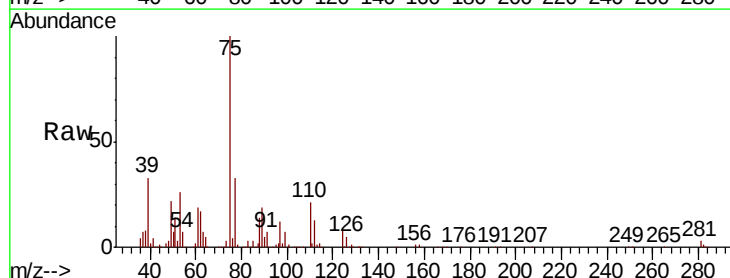
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

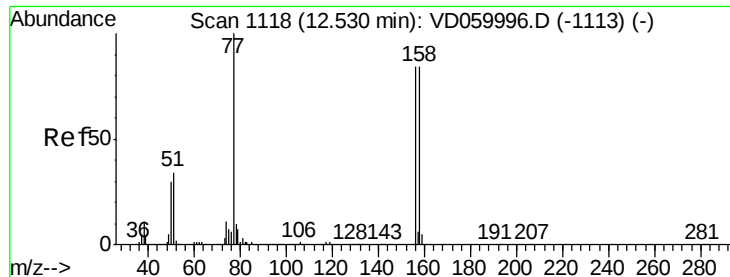
Tot Ion: 83 Resp: 760441
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.1 12.3
 85 65.4 32.4 97.2



#76
 1,2,3-Trichloropropane
 Concen: 50.23 ug/l
 RT: 12.59 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion: 75 Resp: 783895
 Ion Ratio Lower Upper
 75 100
 77 32.9 16.4 49.4





#77

Bromobenzene

Concen: 51.99 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

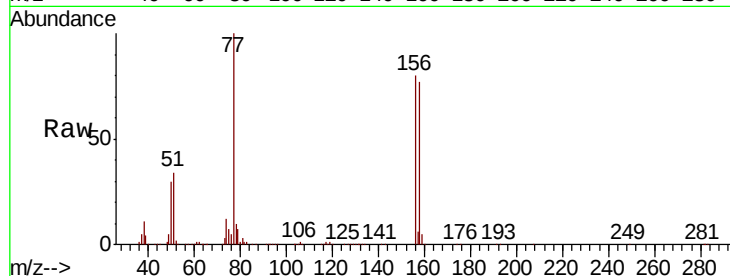
Tot Ion:156 Resp: 1003707

Ion Ratio Lower Upper

156 100

77 125.8 59.5 178.4

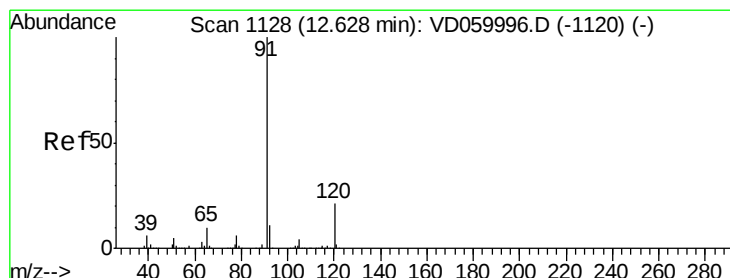
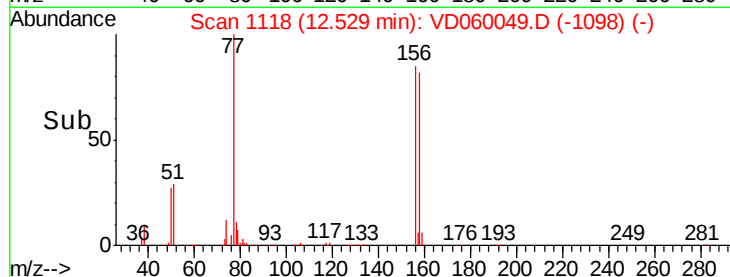
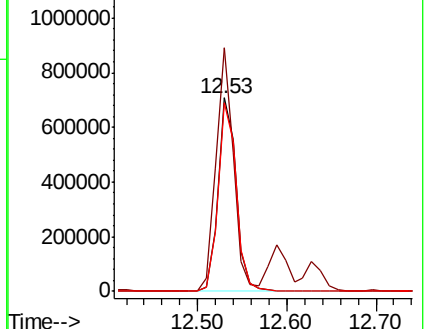
158 97.1 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.63 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD060049.D

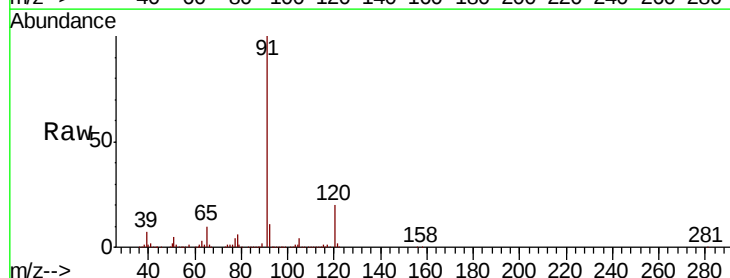
Acq: 20 Sep 2018 11:09

Tgt Ion: 91 Resp: 4183162

Ion Ratio Lower Upper

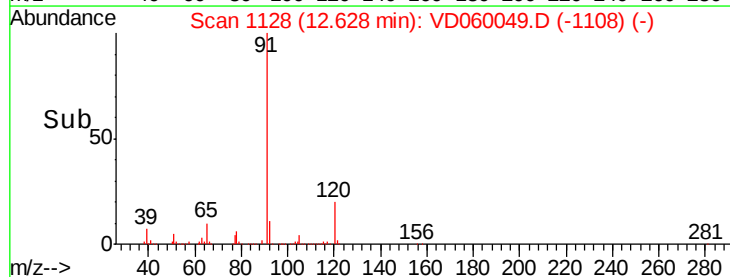
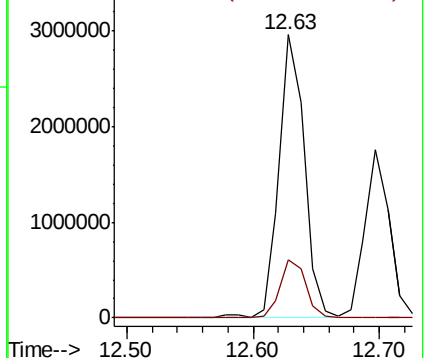
91 100

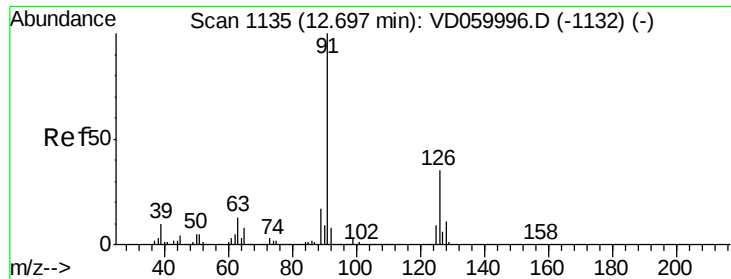
120 20.3 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.84 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

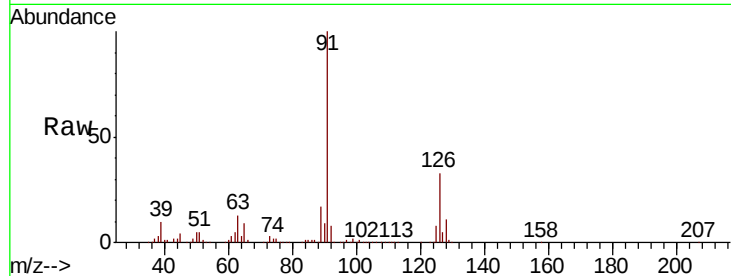
VSTDCCC050

Tot Ion: 91 Resp: 2370953

Ion Ratio Lower Upper

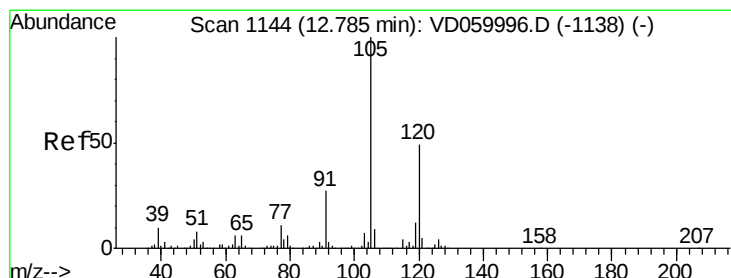
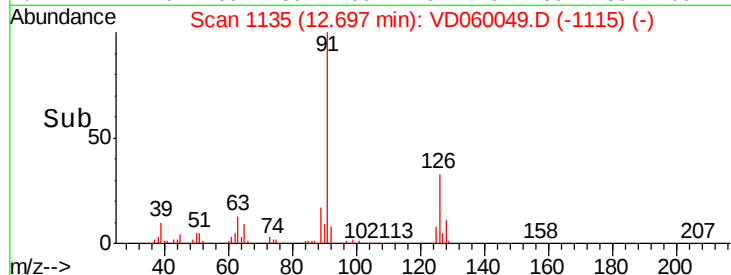
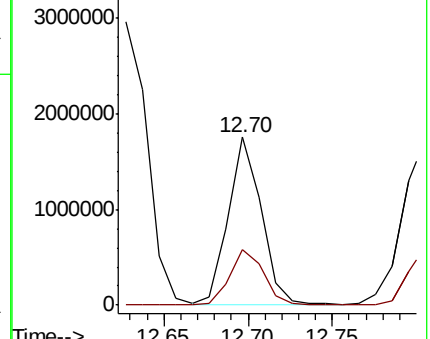
91 100

126 33.4 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.40 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VD060049.D

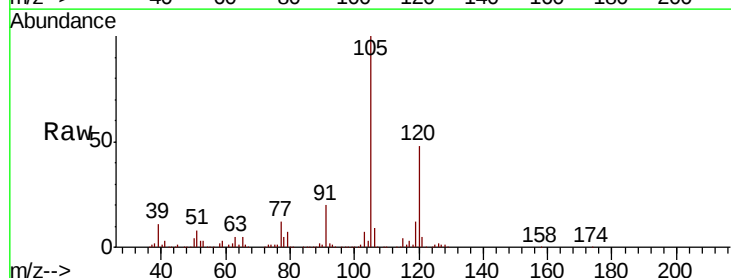
Acq: 20 Sep 2018 11:09

Tgt Ion:105 Resp: 2640361

Ion Ratio Lower Upper

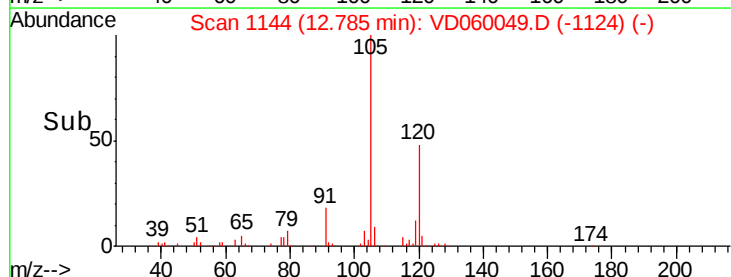
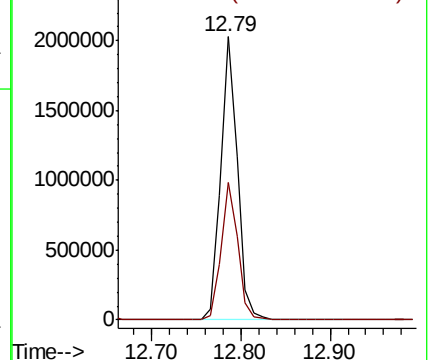
105 100

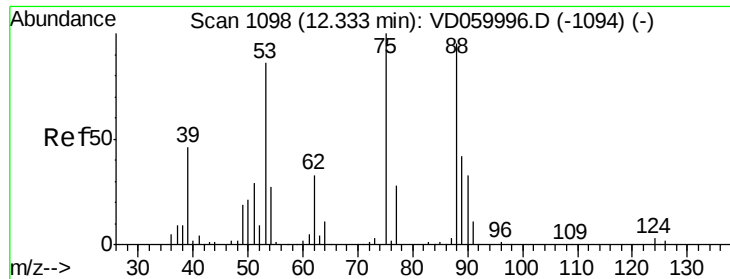
120 48.4 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.10 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

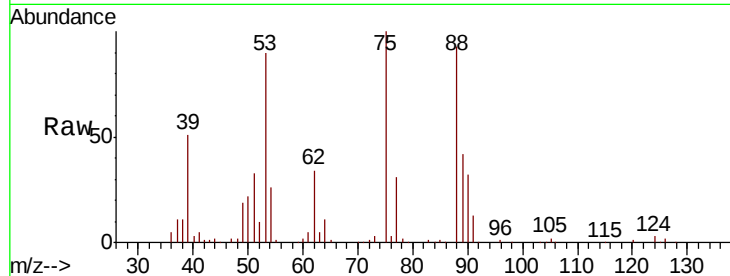
MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 231310

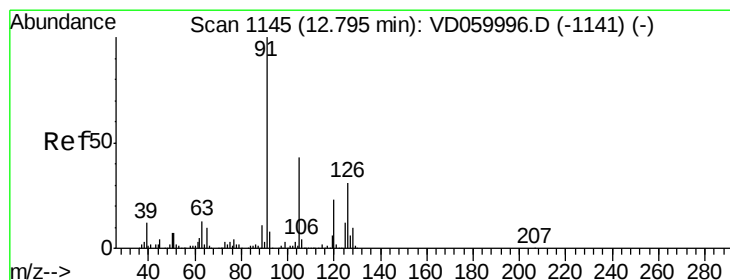
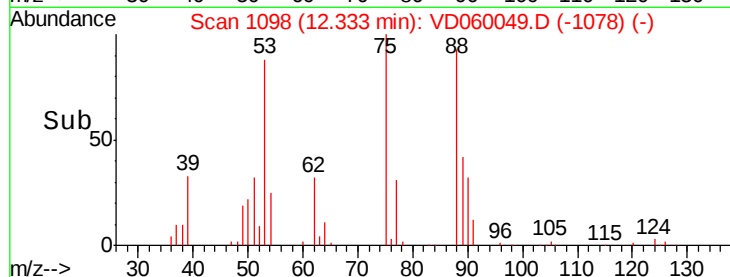
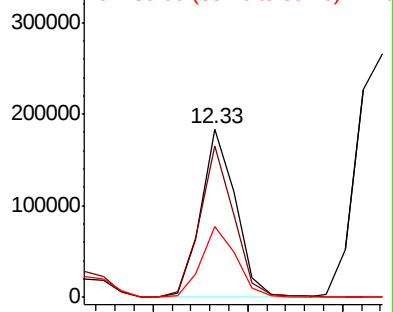
Ion	Ratio	Lower	Upper
75	100		
53	89.8	68.4	102.6
89	42.2	33.8	50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.95 ug/l

RT: 12.80 min Scan# 1146

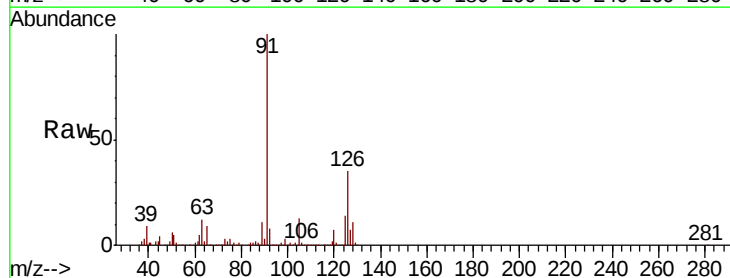
Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

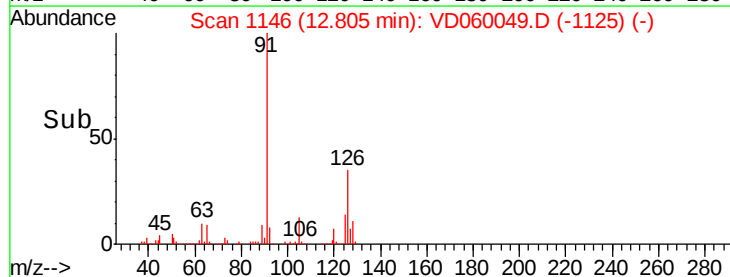
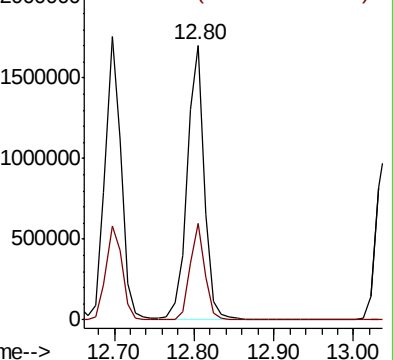
Tgt Ion: 91 Resp: 2560207

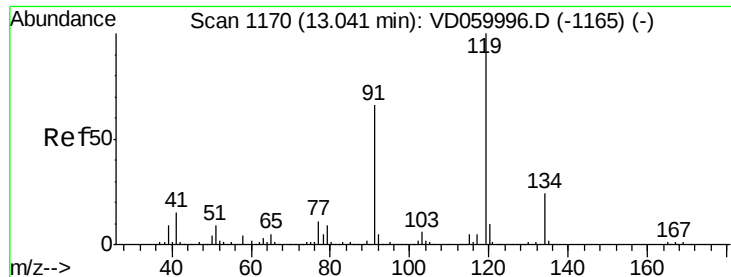
Ion	Ratio	Lower	Upper
91	100		
126	35.2	15.4	46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

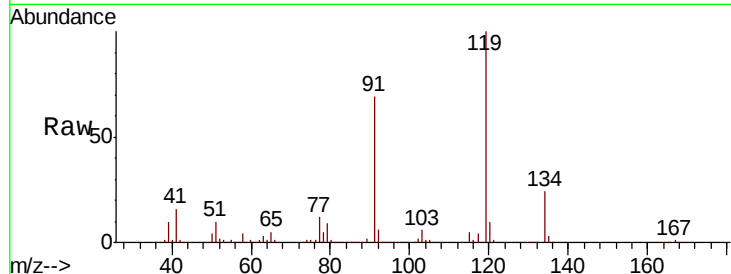




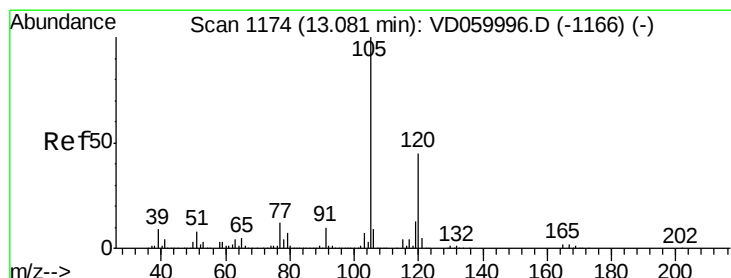
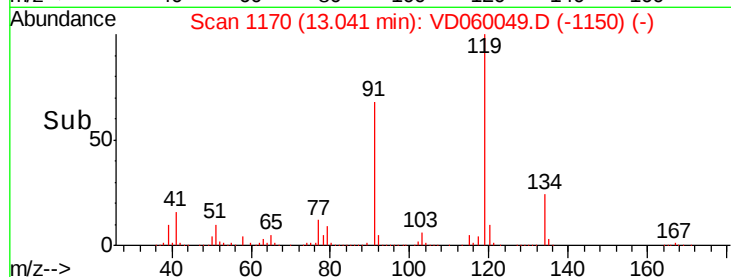
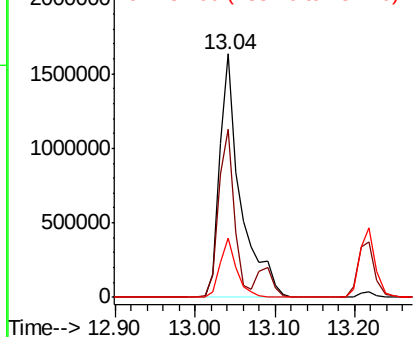
#83
tert-Butylbenzene
Concen: 50.84 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 3025432
Ion Ratio Lower Upper
119 100
91 68.9 32.9 98.6
134 24.1 12.0 36.0

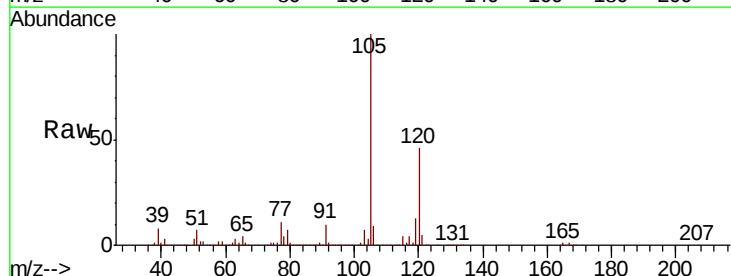


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

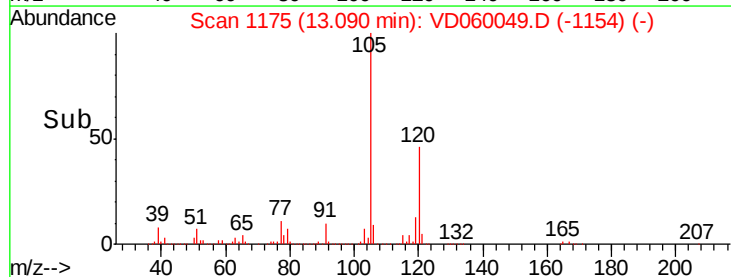
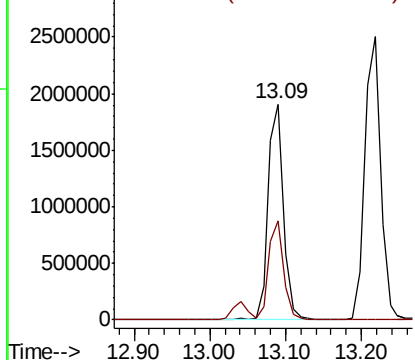


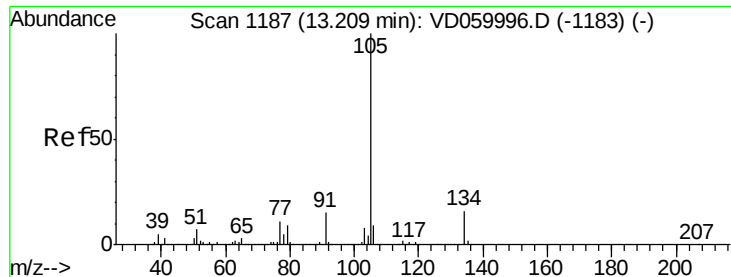
#84
1,2,4-Trimethylbenzene
Concen: 49.09 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion:105 Resp: 2690950
Ion Ratio Lower Upper
105 100
120 46.0 22.4 67.0



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

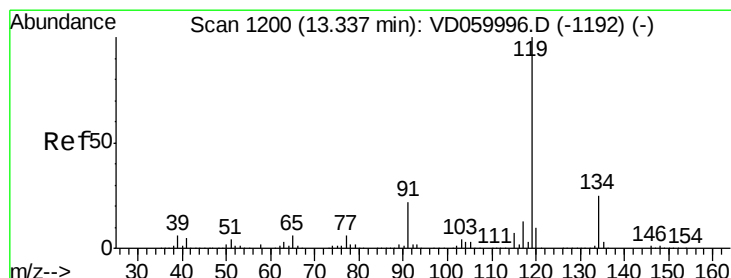
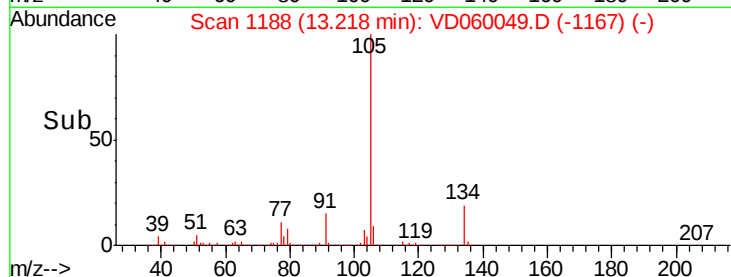
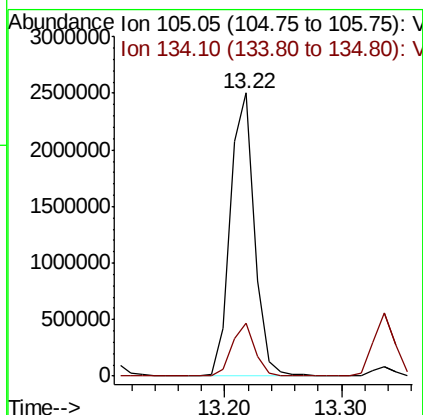
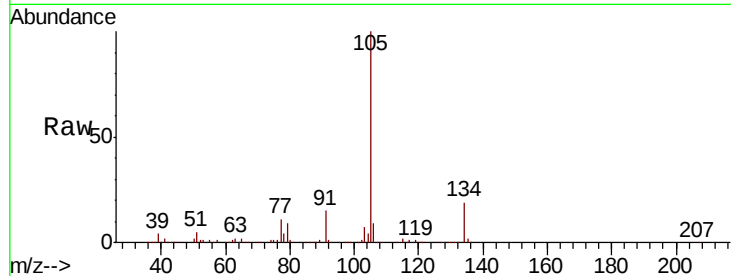




#85
 sec-Butylbenzene
 Concen: 50.35 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

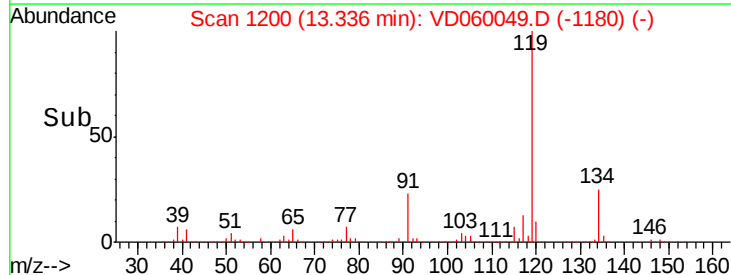
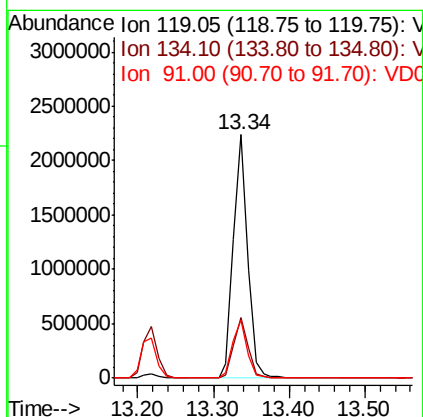
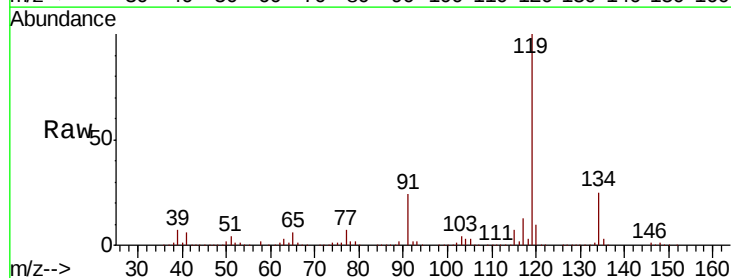
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

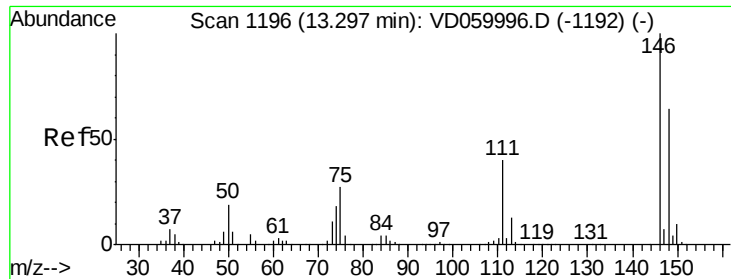
Tot Ion:105 Resp: 3557211
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 50.72 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion:119 Resp: 2897979
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.8 38.3
 91 23.6 11.1 33.3

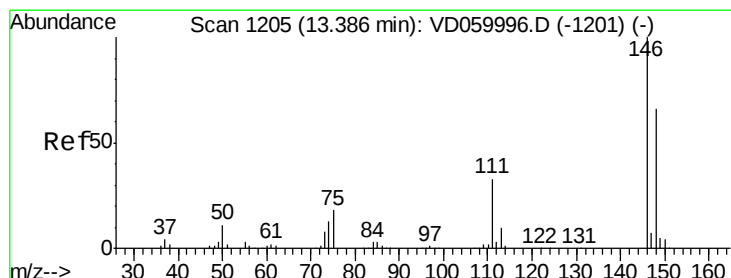
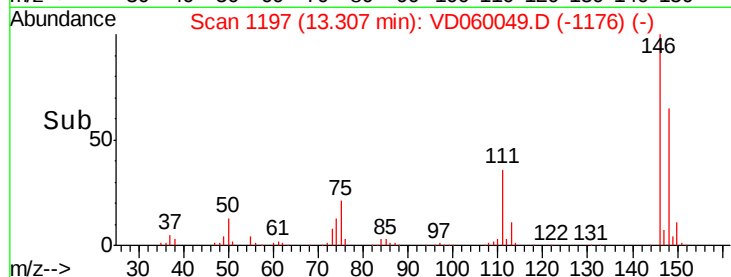
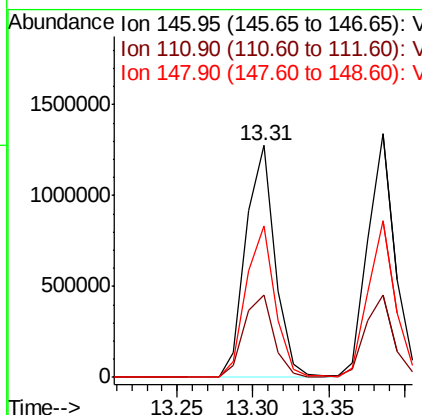
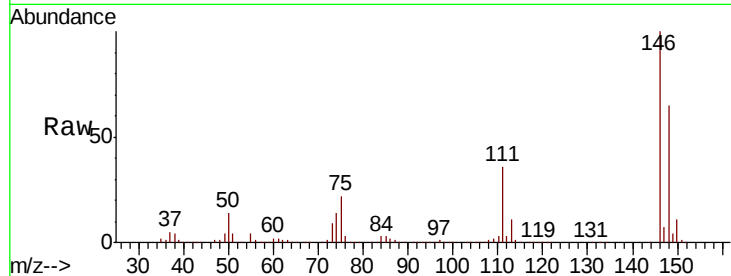




#87
 1,3-Dichlorobenzene
 Concen: 51.27 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

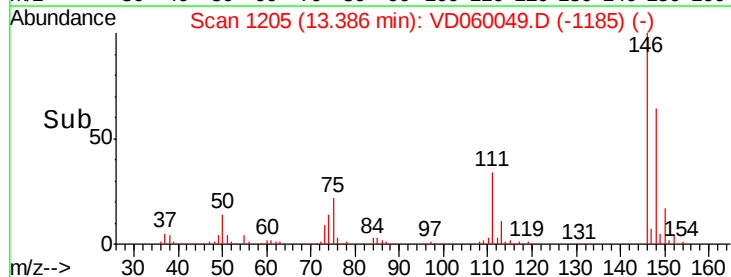
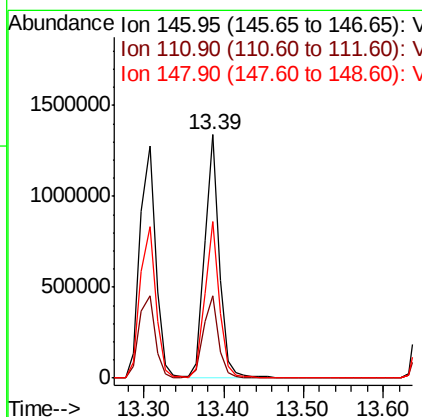
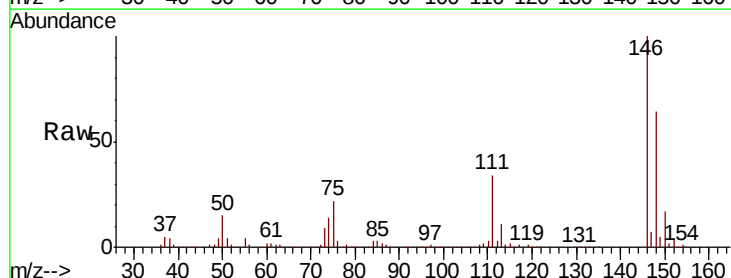
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

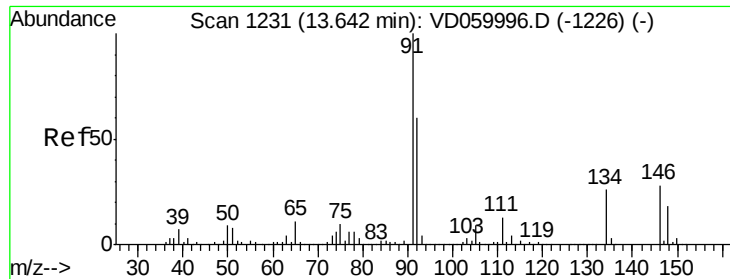
Tot Ion:146 Resp: 1721290
 Ion Ratio Lower Upper
 146 100
 111 35.5 20.2 60.5
 148 65.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.11 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion:146 Resp: 1706242
 Ion Ratio Lower Upper
 146 100
 111 33.8 16.7 50.0
 148 64.1 32.9 98.6

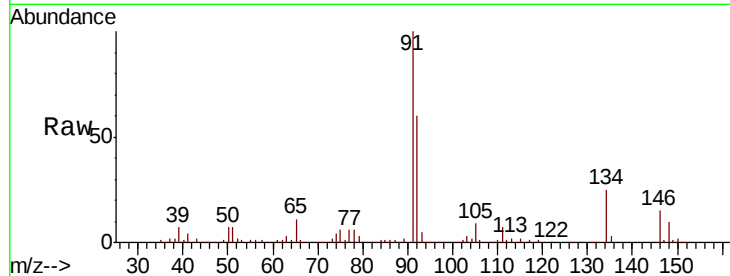




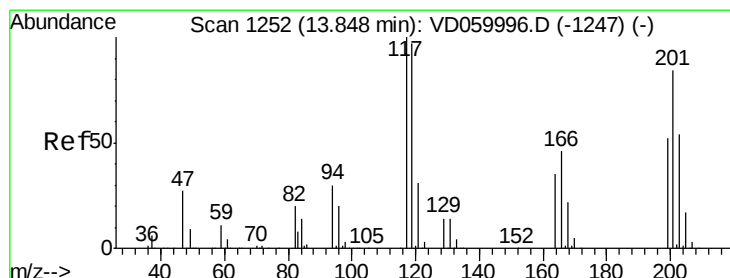
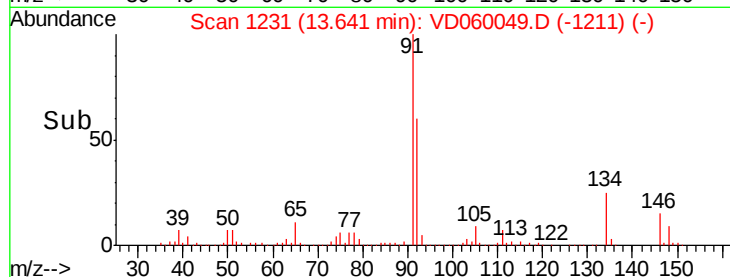
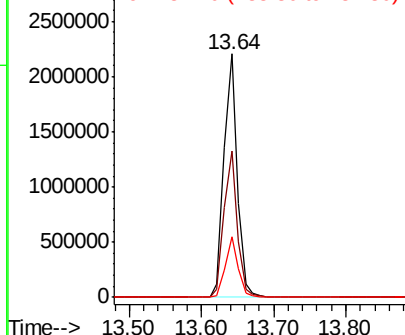
#89
n-Butylbenzene
Concen: 53.24 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2817288
Ion Ratio Lower Upper
91 100
92 59.8 29.8 89.3
134 24.9 13.2 39.6

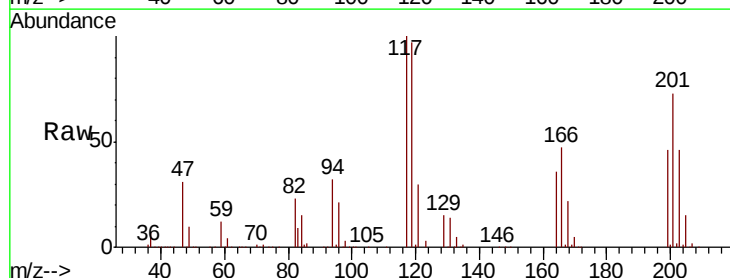


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

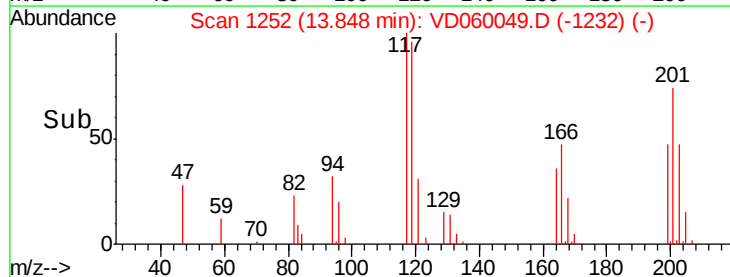
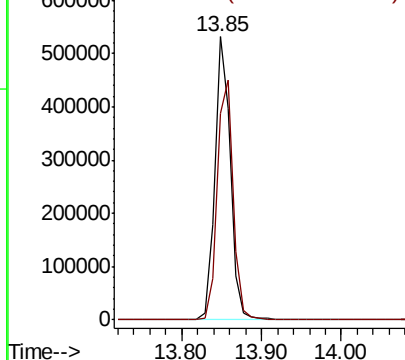


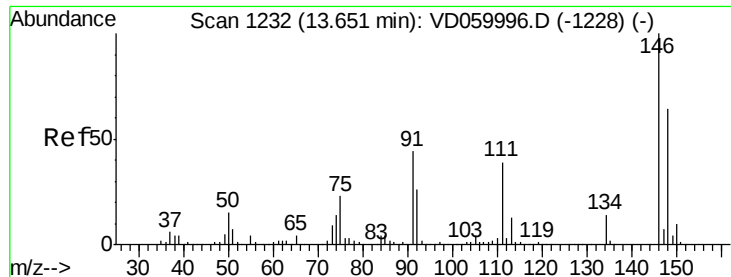
#90
Hexachloroethane
Concen: 51.51 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion: 117 Resp: 728960
Ion Ratio Lower Upper
117 100
201 72.9 42.1 126.4



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





#91

1,2-Dichlorobenzene

Concen: 53.88 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

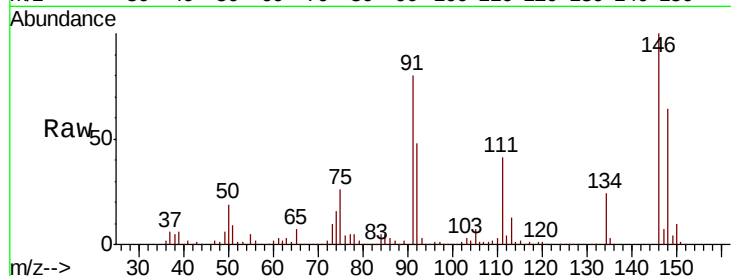
Tot Ion:146 Resp: 1443128

Ion Ratio Lower Upper

146 100

111 41.1 19.6 58.7

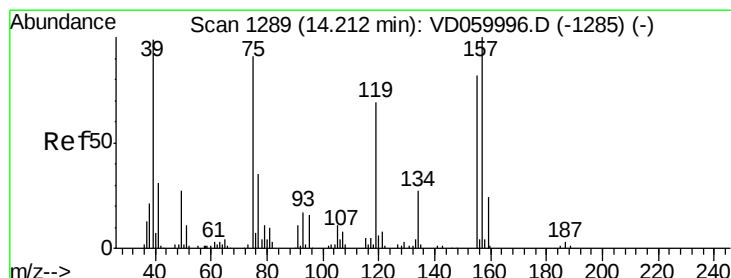
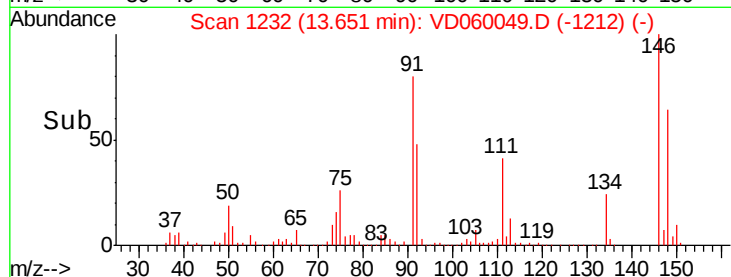
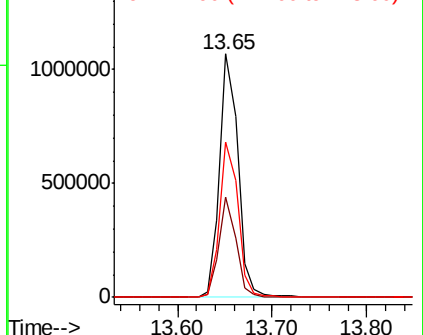
148 63.8 31.9 95.7



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: 44.09 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VD060049.D

Acq: 20 Sep 2018 11:09

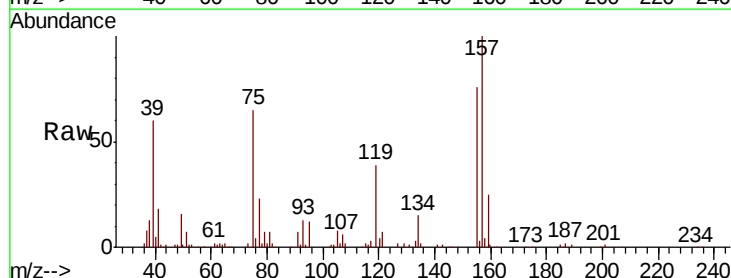
Tgt Ion: 75 Resp: 102185

Ion Ratio Lower Upper

75 100

155 117.9 44.7 134.1

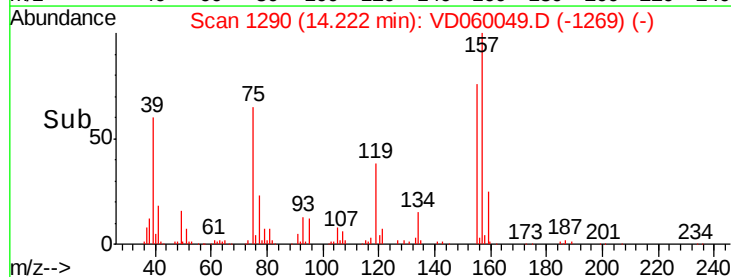
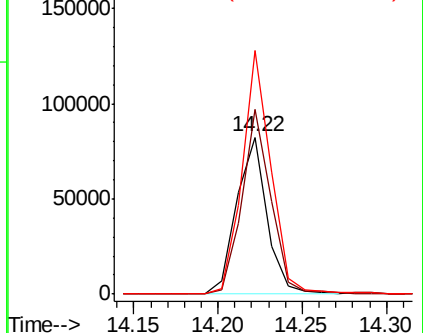
157 154.9 54.7 164.1

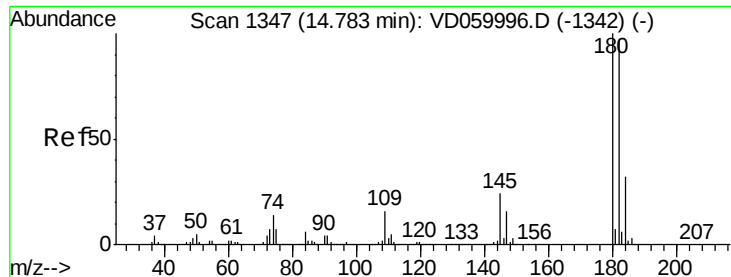


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

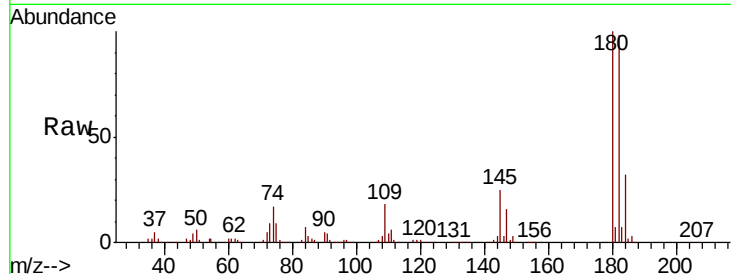




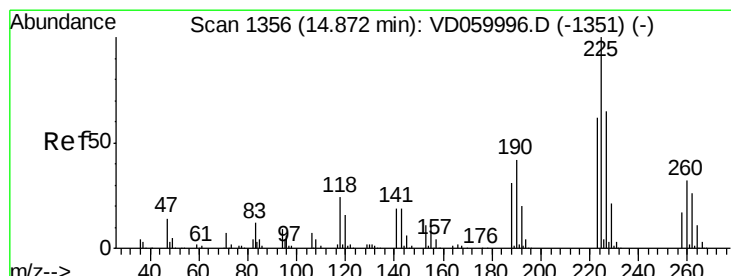
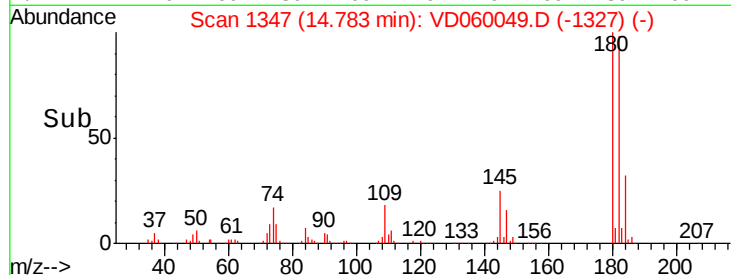
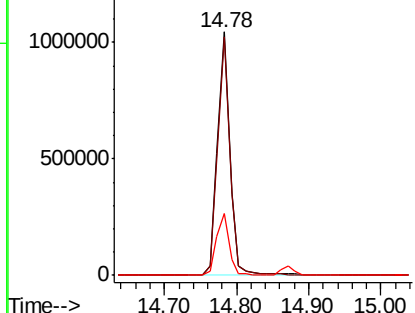
#93
 1,2,4-Trichlorobenzene
 Concen: 51.74 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1237839
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.5 145.6
 145 25.3 11.9 35.7

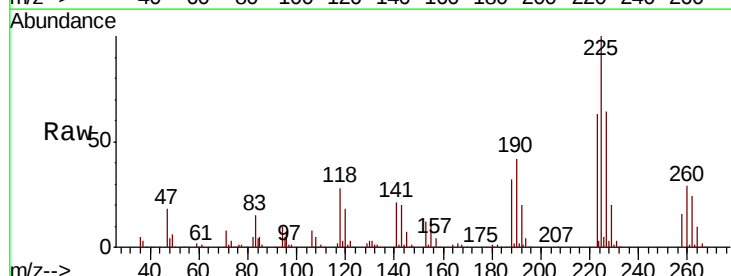


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

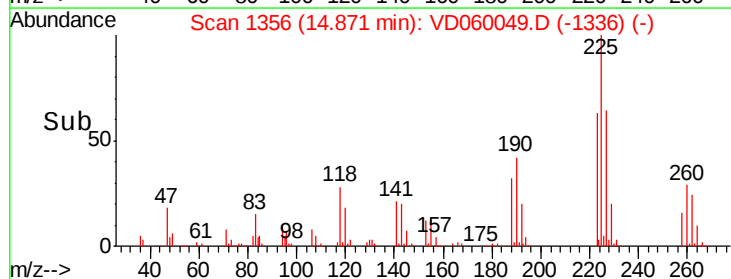
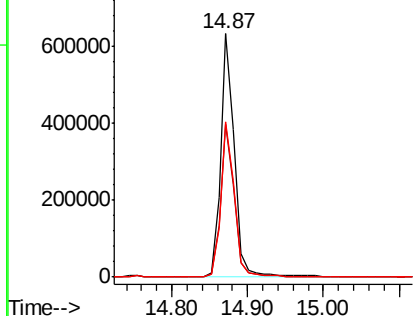


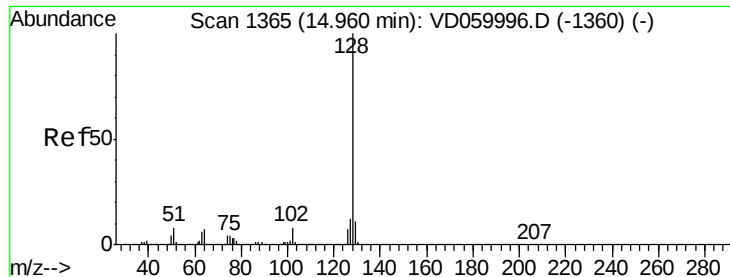
#94
 Hexachlorobutadiene
 Concen: 50.92 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VD060049.D
 Acq: 20 Sep 2018 11:09

Tgt Ion:225 Resp: 805850
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.2 93.6
 227 63.7 32.3 96.8



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

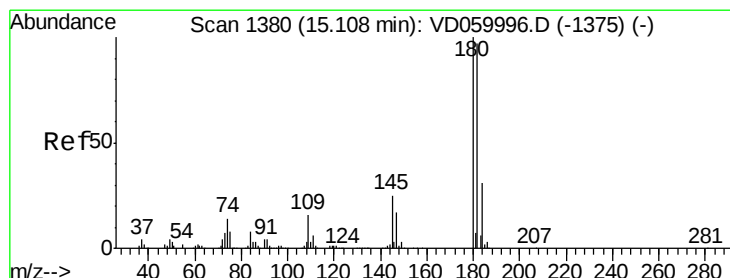
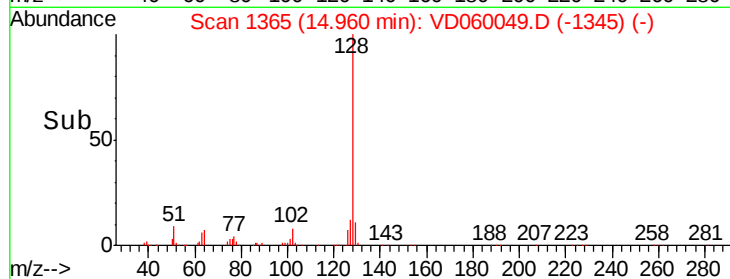
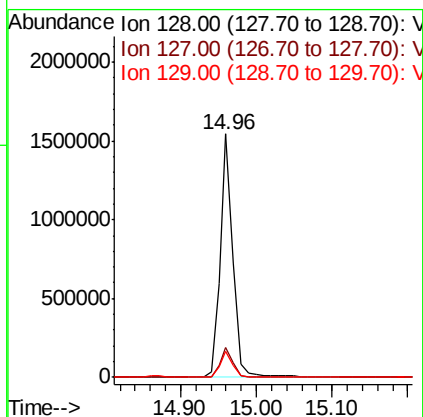
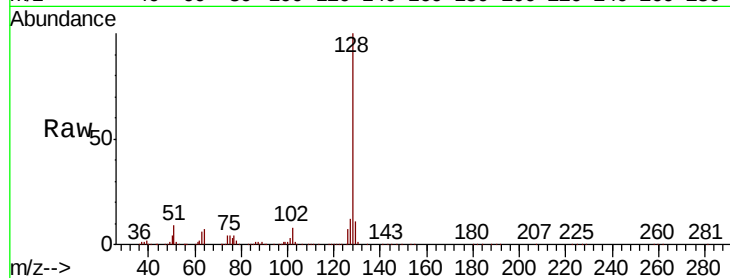




#95
Naphthalene
Concen: 49.72 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1836938
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 49.19 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060049.D
Acq: 20 Sep 2018 11:09

Tgt Ion:180 Resp: 1037091
Ion Ratio Lower Upper
180 100
182 95.7 48.6 145.9
145 27.2 12.7 38.1

