

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059689.D
 Acq On : 6 Aug 2018 12:34
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 07 04:00:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	206169	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.67	114	259536	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	209166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	115564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	202094	74.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.52%	
35) Dibromofluoromethane	5.52	113	178977	74.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.48%	
50) Toluene-d8	8.69	98	371568	71.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.60%	
62) 4-Bromofluorobenzene	11.92	95	167495	69.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	205453	71.53	ug/l	97
3) Chloromethane	1.46	50	94923	75.41	ug/l	94
4) Vinyl Chloride	1.53	62	115603	77.05	ug/l	97
5) Bromomethane	1.77	94	37442	71.31	ug/l	100
6) Chloroethane	1.86	64	46955	78.28	ug/l	97
7) Trichlorofluoromethane	2.06	101	175953	72.49	ug/l	100
8) Diethyl Ether	2.32	74	35146	77.61	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.53	101	101965	72.77	ug/l	96
10) Methyl Iodide	2.66	142	128144	80.15	ug/l	99
11) Tert butyl alcohol	3.24	59	35023	368.96	ug/l	98
12) 1,1-Dichloroethene	2.52	96	75981	73.34	ug/l	94
13) Acrolein	2.45	56	34551	381.29	ug/l	91
14) Allyl chloride	2.90	41	172204	73.17	ug/l	95
15) Acrylonitrile	3.33	53	98433	360.72	ug/l	98
16) Acetone	2.59	43	195576	390.01	ug/l	98
17) Carbon Disulfide	2.73	76	290787	79.35	ug/l	99
18) Methyl Acetate	2.91	43	62956	70.14	ug/l	# 90
19) Methyl tert-butyl Ether	3.39	73	265374	66.58	ug/l	94
20) Methylene Chloride	3.05	84	88427	47.31	ug/l	88
21) trans-1,2-Dichloroethene	3.36	96	92203	65.62	ug/l	94
22) Diisopropyl ether	4.04	45	373291	69.48	ug/l	91
23) Vinyl Acetate	3.99	43	1192078	355.48	ug/l	98
24) 1,1-Dichloroethane	3.94	63	251543	69.51	ug/l	99
25) 2-Butanone	4.82	43	245868	384.53	ug/l	100
26) 2,2-Dichloropropane	4.77	77	270195	68.76	ug/l	97
27) cis-1,2-Dichloroethene	4.78	96	127640	67.19	ug/l	91
28) Bromochloromethane	5.12	49	97358	72.59	ug/l	# 92
29) Tetrahydrofuran	5.16	42	89020	355.84	ug/l	98
30) Chloroform	5.30	83	311494	71.31	ug/l	98
31) Cyclohexane	5.57	56	166010	63.02	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	310753	72.59	ug/l	97
36) 1,1-Dichloropropene	5.72	75	202964	69.95	ug/l	97
37) Ethyl Acetate	4.90	43	103059	75.52	ug/l	98
38) Carbon Tetrachloride	5.70	117	278838	70.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	170629	71.05	ug/l	98
40) Benzene	5.99	78	382374	68.38	ug/l	99
41) Methacrylonitrile	5.09	41	53630	81.11	ug/l	93
42) 1,2-Dichloroethane	6.10	62	251744	73.11	ug/l	98
43) Isopropyl Acetate	7.60	43	135051	74.70	ug/l	99
44) Trichloroethene	6.96	130	141554	69.37	ug/l	99
45) 1,2-Dichloropropane	7.32	63	102961	71.27	ug/l	97
46) Dibromomethane	7.44	93	91580	72.03	ug/l	96
47) Bromodichloromethane	7.72	83	231102	70.89	ug/l	96
48) Methyl methacrylate	7.48	41	92492	77.22	ug/l	99
49) 1,4-Dioxane	7.47	88	14895	1598.78	ug/l #	79
51) 4-Methyl-2-Pentanone	8.58	43	515069	391.23	ug/l	99
52) Toluene	8.79	92	242182	68.74	ug/l	98
53) t-1,3-Dichloropropene	9.17	75	197025	71.36	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	202534	72.68	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	91123	67.45	ug/l	97
56) Ethyl methacrylate	9.30	69	106956	70.01	ug/l	98
57) 1,3-Dichloropropane	9.65	76	150750	69.39	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.17	63	248613	344.79	ug/l	99
59) 2-Hexanone	9.77	43	386251	387.64	ug/l	98
60) Dibromochloromethane	9.94	129	157879	71.85	ug/l	97
61) 1,2-Dibromoethane	10.08	107	114577	71.99	ug/l	99
64) Tetrachloroethene	9.50	164	135338	69.51	ug/l	98
65) Chlorobenzene	10.71	112	295549	69.61	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	132386	69.37	ug/l	98
67) Ethyl Benzene	10.85	91	524540	66.84	ug/l	99
68) m/p-Xylenes	11.00	106	326999	131.31	ug/l	92
69) o-Xylene	11.40	106	159096	65.16	ug/l	99
70) Styrene	11.42	104	270033	66.84	ug/l	98
71) Bromoform	11.59	173	111271	77.12	ug/l	98
73) Isopropylbenzene	11.76	105	510008	65.15	ug/l	99
74) N-amyl acetate	11.63	43	171402	70.01	ug/l	98
75) 1,1,1,2-Tetrachloroethane	12.07	83	106620	70.02	ug/l	100
76) 1,2,3-Trichloropropane	12.11	75	123439	68.80	ug/l	96
77) Bromobenzene	12.03	156	152774	68.02	ug/l	97
78) n-propylbenzene	12.15	91	627736	64.83	ug/l	99
79) 2-Chlorotoluene	12.20	91	387155	66.37	ug/l	100
80) 1,3,5-Trimethylbenzene	12.31	105	419769	65.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	33359	74.49	ug/l	95
82) 4-Chlorotoluene	12.31	91	427761	62.73	ug/l	98
83) tert-Butylbenzene	12.57	119	475537	65.41	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	460550	67.53	ug/l	100
85) sec-Butylbenzene	12.75	105	529401	65.98	ug/l	97
86) p-Isopropyltoluene	12.87	119	468923	67.47	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	251371	63.90	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	260226	65.88	ug/l	99
89) n-Butylbenzene	13.19	91	465245	67.86	ug/l	99
90) Hexachloroethane	13.39	117	124891	68.82	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	215079	66.30	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	24724	74.08	ug/l	93

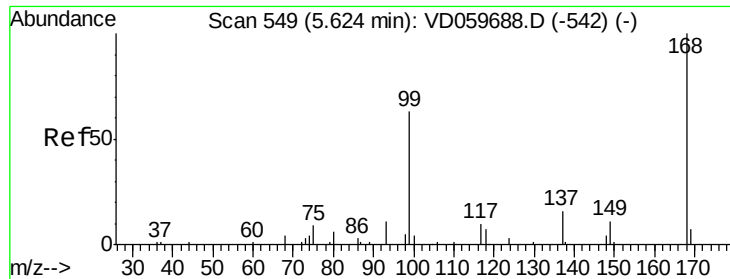
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	193605	66.43	ug/l	96
94) Hexachlorobutadiene	14.43	225	156468	68.79	ug/l	99
95) Naphthalene	14.51	128	301911	69.23	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	168362	64.65	ug/l	99

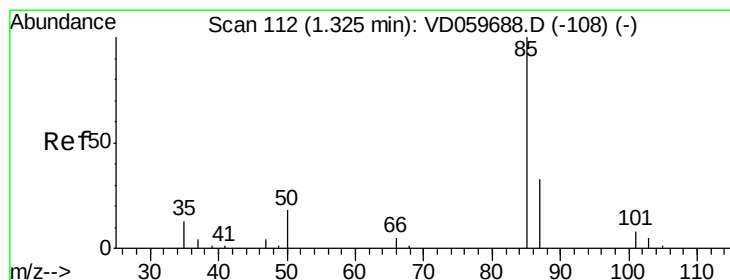
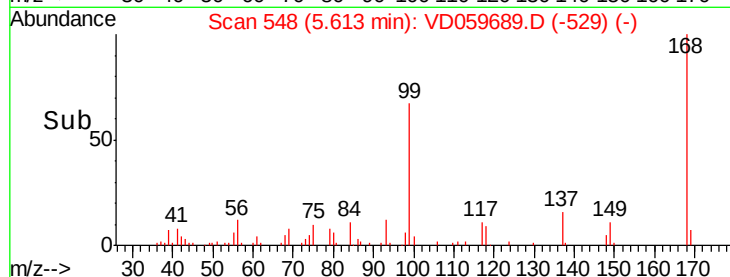
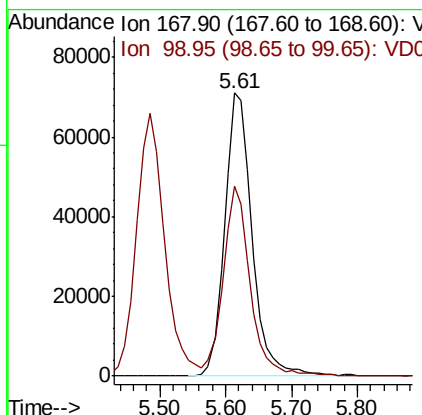
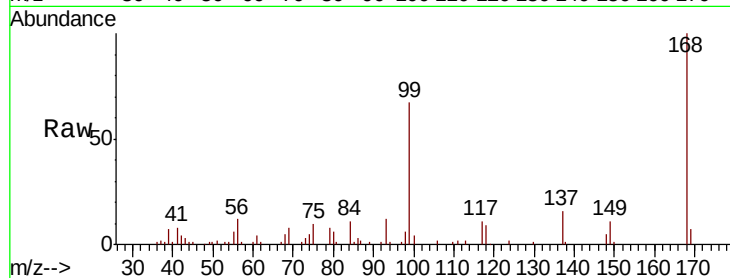
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.61 min Scan# 548
Delta R.T. -0.01 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

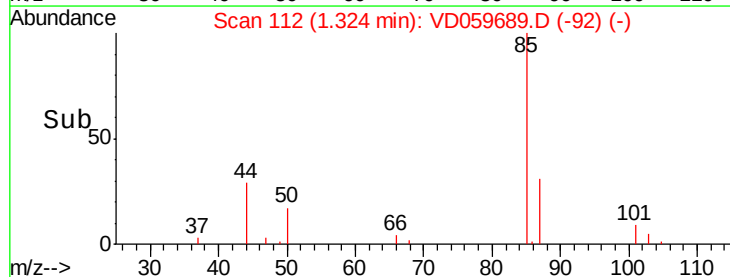
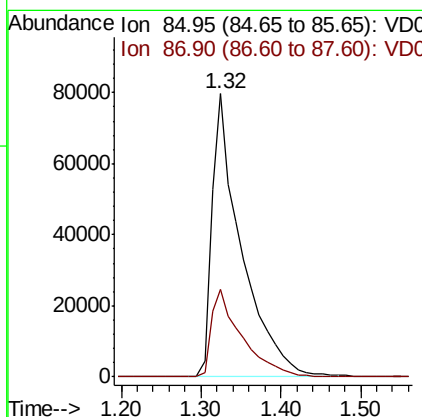
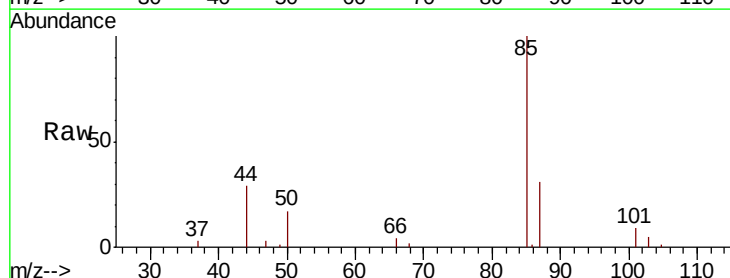
Instrument :
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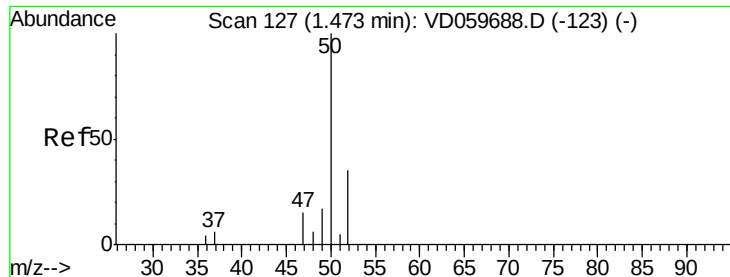
Tot Ion:168 Resp: 206169
Ion Ratio Lower Upper
168 100
99 67.2 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 71.53 ug/l
RT: 1.32 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion: 85 Resp: 205453
Ion Ratio Lower Upper
85 100
87 30.9 16.4 49.1





#3

Chloromethane

Concen: 75.41 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

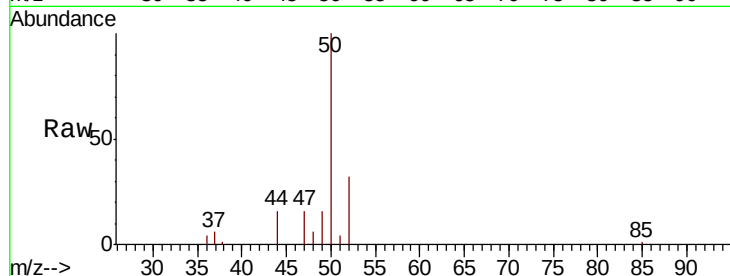
VSTDIC075

Tot Ion: 50 Resp: 94923

Ion Ratio Lower Upper

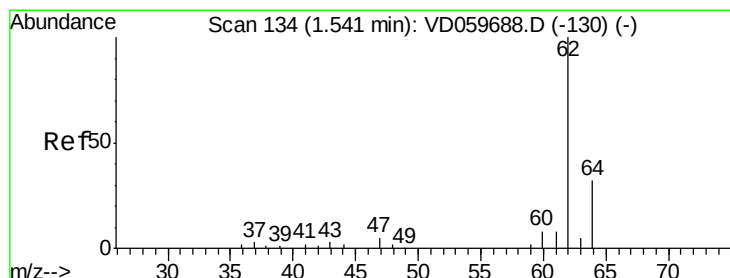
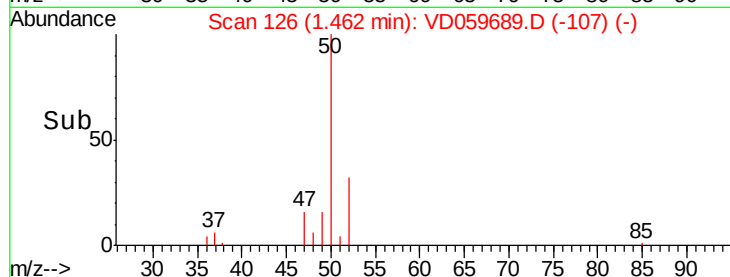
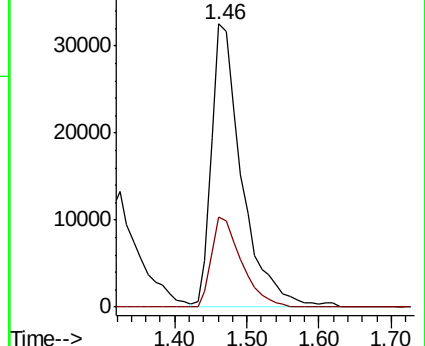
50 100

52 31.7 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 77.05 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059689.D

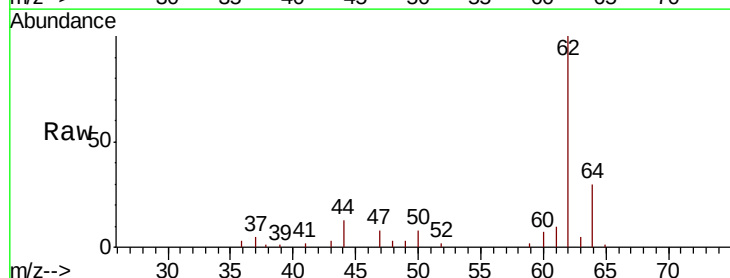
Acq: 6 Aug 2018 12:34

Tgt Ion: 62 Resp: 115603

Ion Ratio Lower Upper

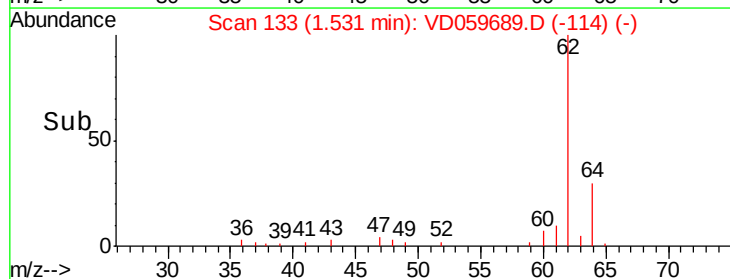
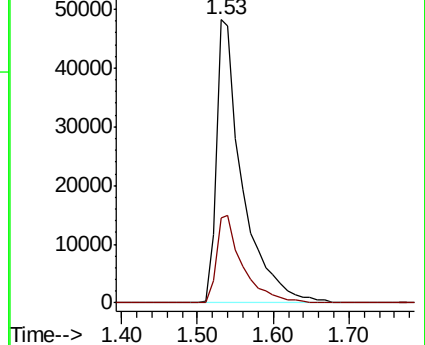
62 100

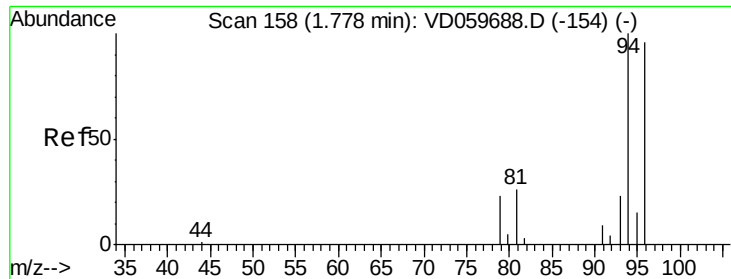
64 29.9 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 71.31 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

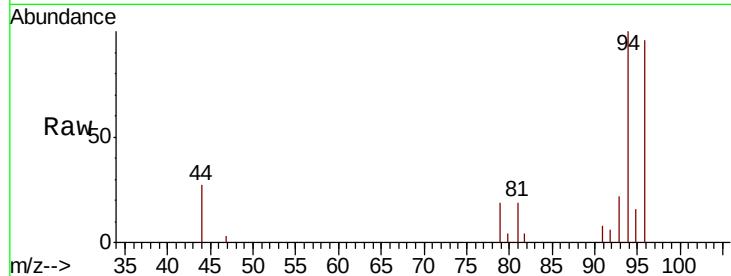
VSTDIC075

Tot Ion: 94 Resp: 37442

Ion Ratio Lower Upper

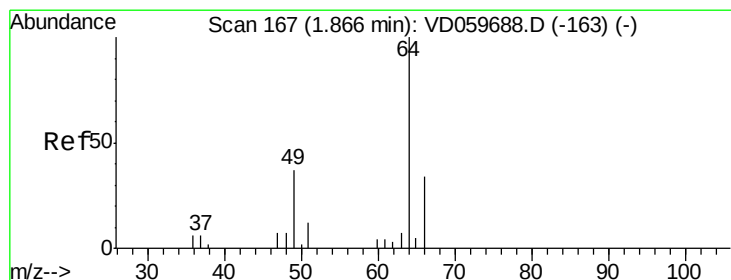
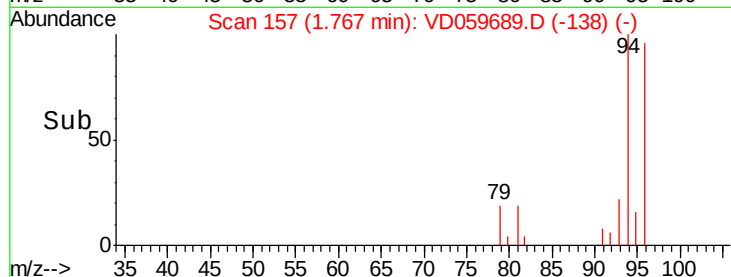
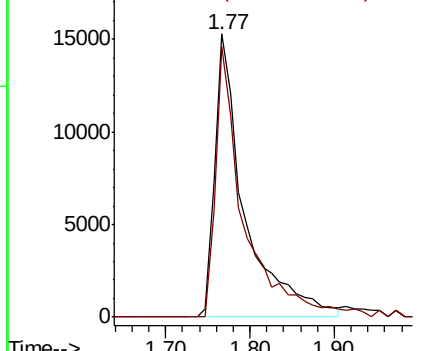
94 100

96 95.7 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 78.28 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059689.D

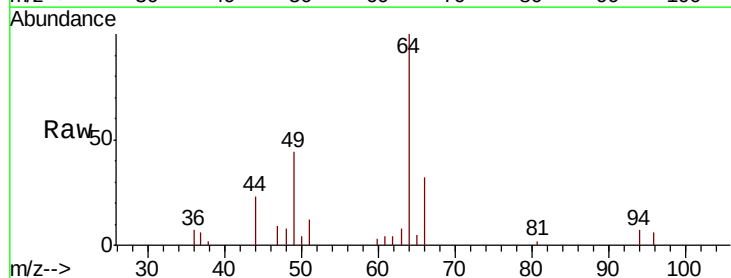
Acq: 6 Aug 2018 12:34

Tgt Ion: 64 Resp: 46955

Ion Ratio Lower Upper

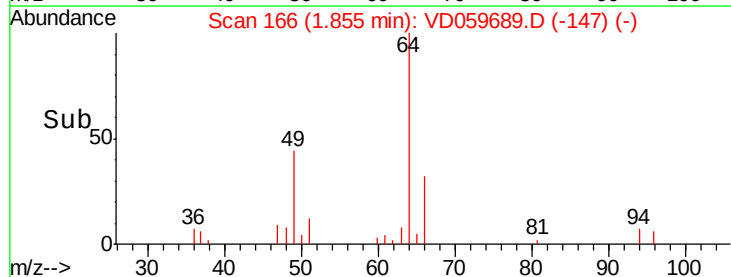
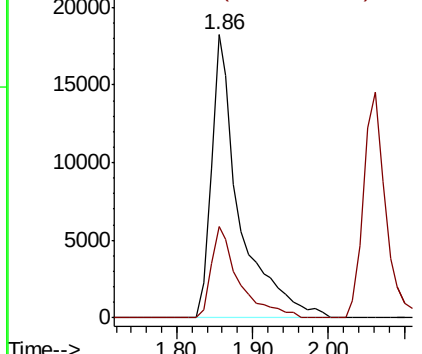
64 100

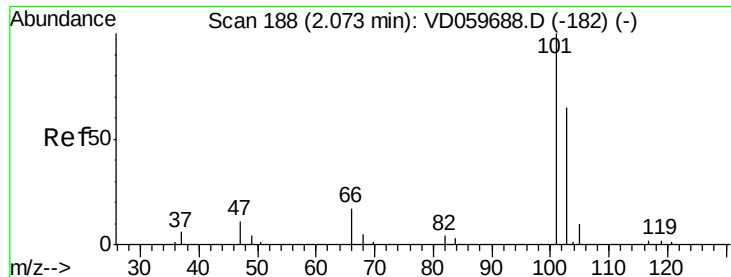
66 32.4 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



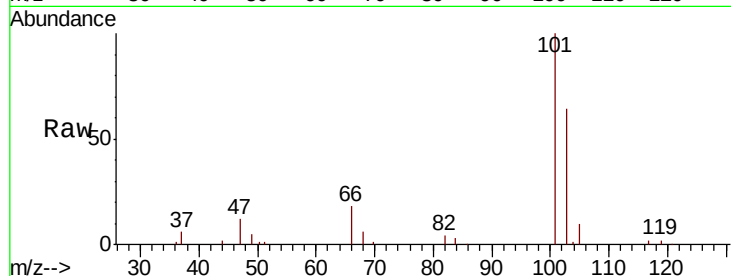


#7

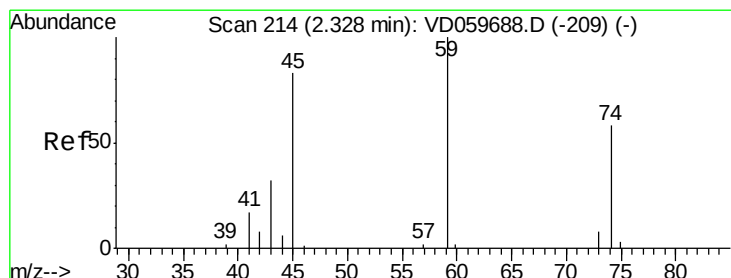
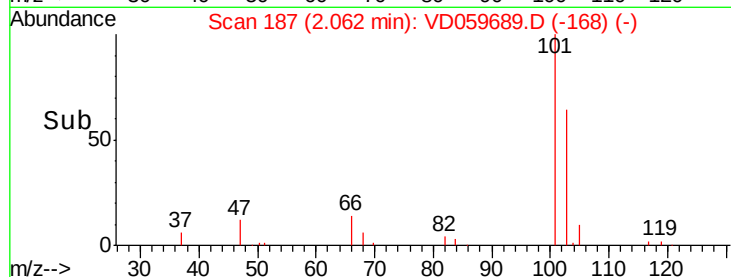
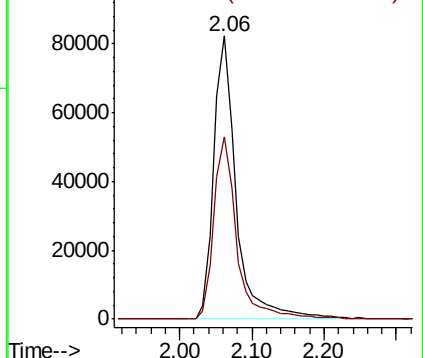
Trichlorofluoromethane
 Concen: 72.49 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Instrument :
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 ClientSampleId :
 VSTDIC075

Tot Ion:101 Resp: 175953
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5



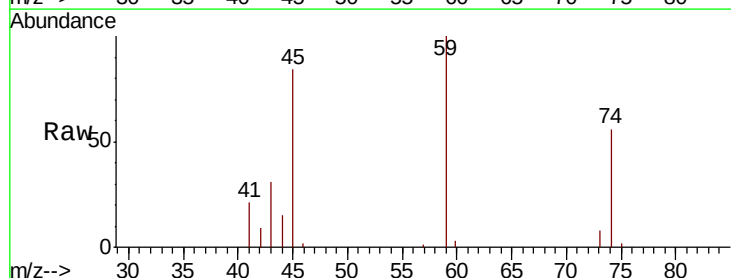
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



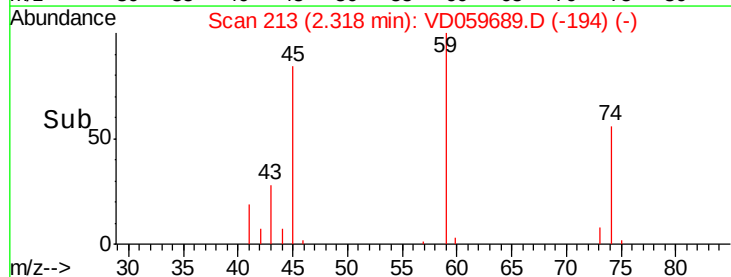
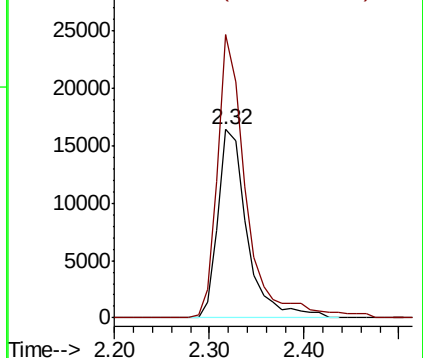
#8

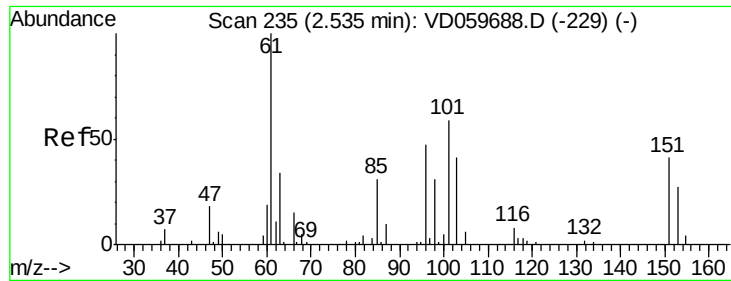
Diethyl Ether
 Concen: 77.61 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. -0.01 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion: 74 Resp: 35146
 Ion Ratio Lower Upper
 74 100
 45 150.2 71.4 214.2



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: 72.77 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

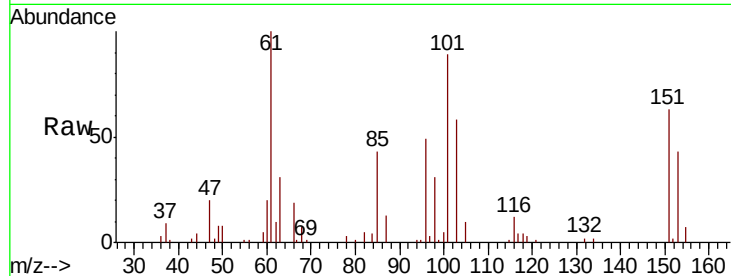
Tot Ion:101 Resp: 101965

Ion Ratio Lower Upper

101 100

85 48.5 42.2 63.4

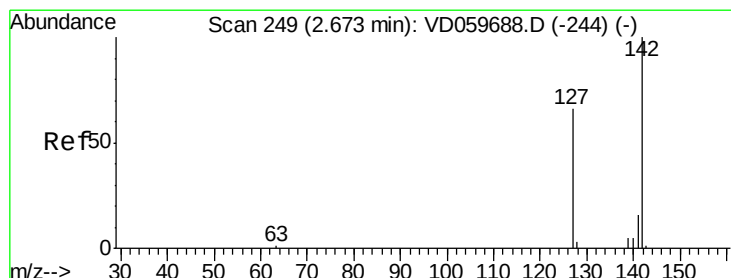
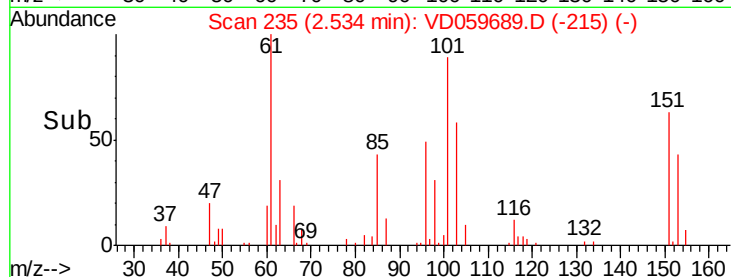
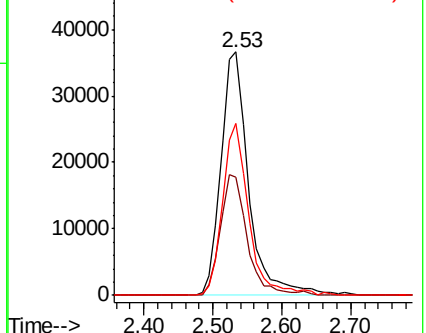
151 70.4 55.2 82.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 80.15 ug/l

RT: 2.66 min Scan# 248

Delta R.T. -0.01 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

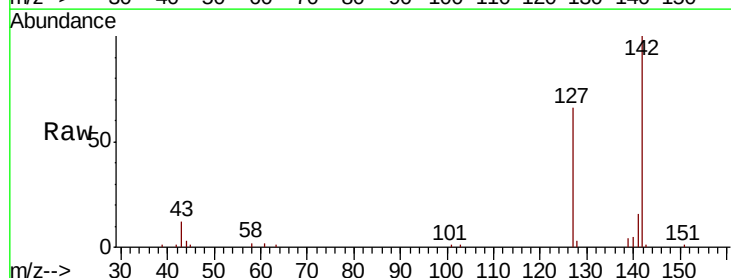
Tgt Ion:142 Resp: 128144

Ion Ratio Lower Upper

142 100

127 66.1 52.6 79.0

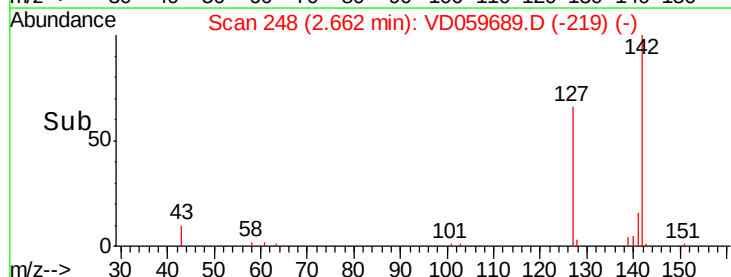
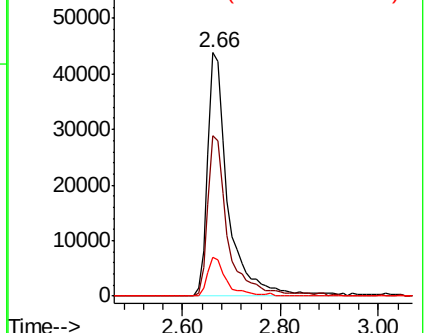
141 16.0 12.5 18.7

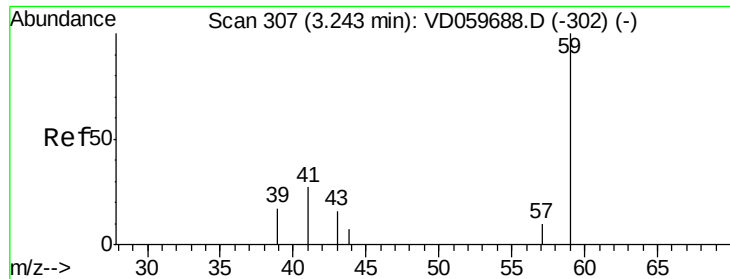


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

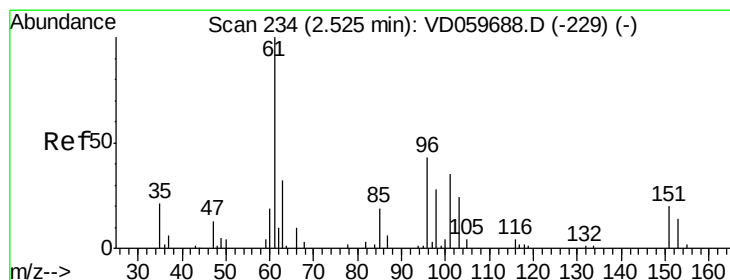
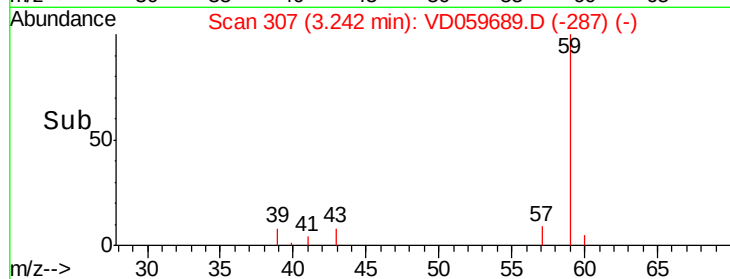
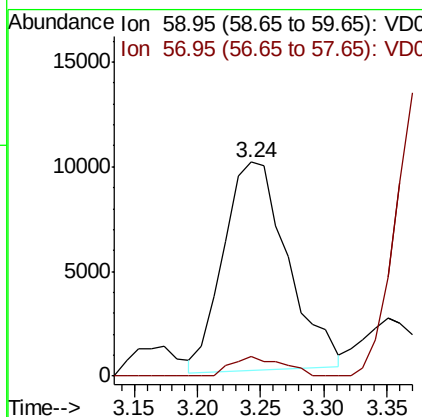
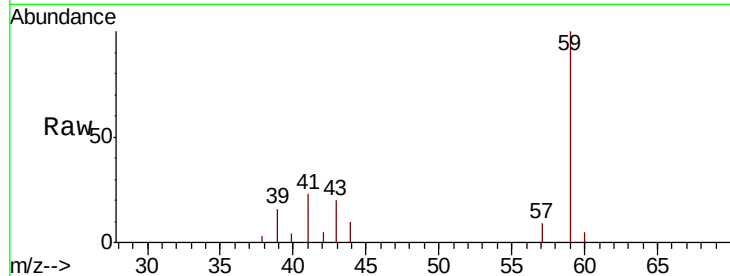




#11
Tert butyl alcohol
Concen: 368.96 ug/l
RT: 3.24 min Scan# 307
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

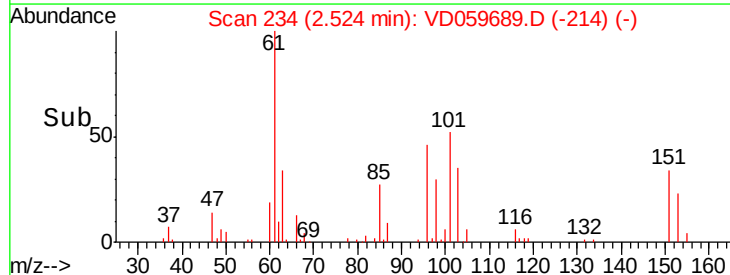
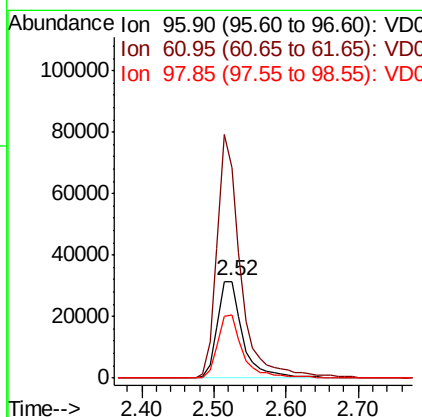
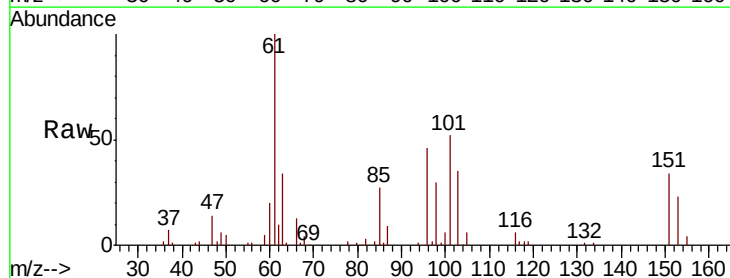
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

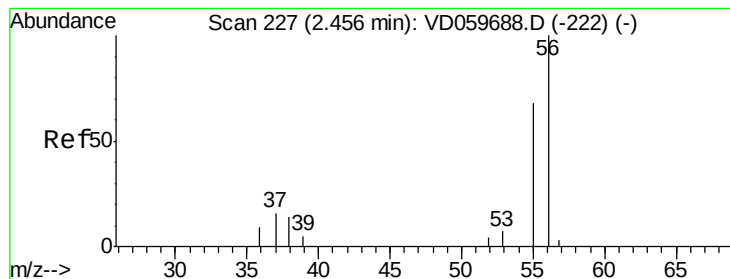
Tot Ion: 59 Resp: 35023
Ion Ratio Lower Upper
59 100
57 9.1 6.8 10.2



#12
1,1-Dichloroethene
Concen: 73.34 ug/l
RT: 2.52 min Scan# 234
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion: 96 Resp: 75981
Ion Ratio Lower Upper
96 100
61 217.8 184.1 276.1
98 65.3 52.4 78.6





#13

Acrolein

Concen: 381.29 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

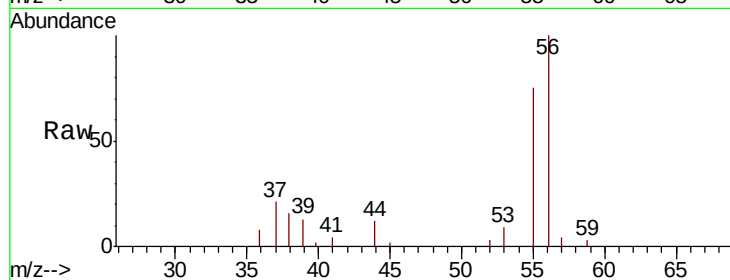
VSTDIC075

Tot Ion: 56 Resp: 34551

Ion Ratio Lower Upper

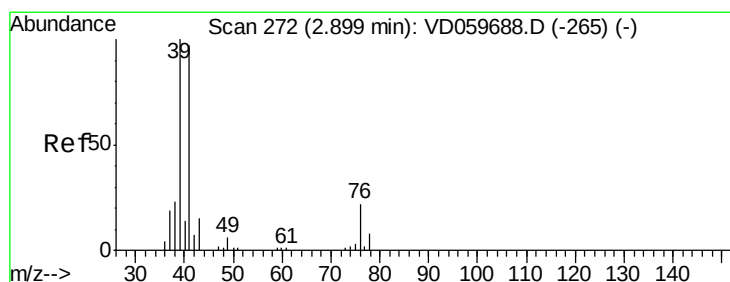
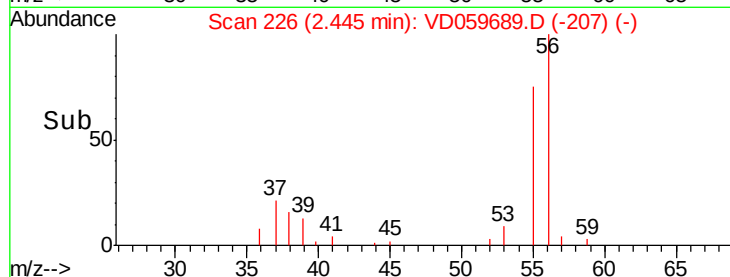
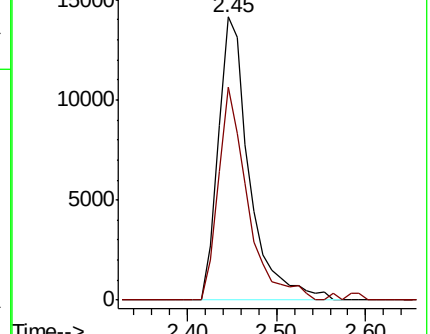
56 100

55 75.0 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 73.17 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

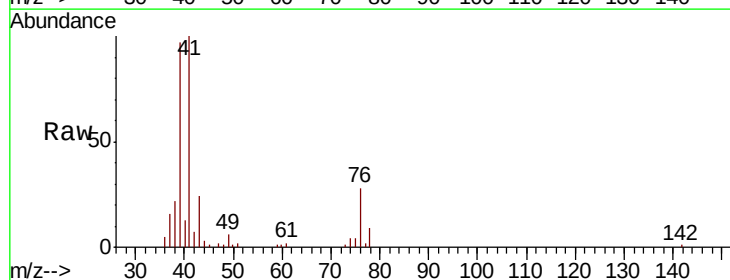
Tgt Ion: 41 Resp: 172204

Ion Ratio Lower Upper

41 100

39 96.9 82.5 123.7

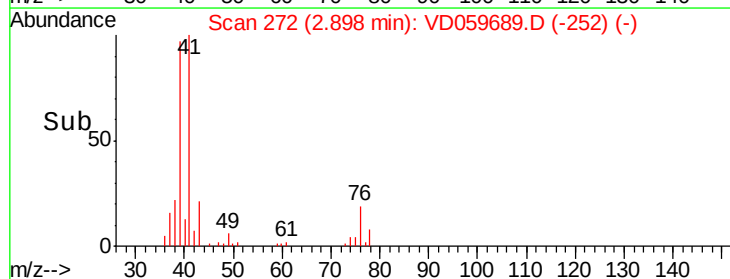
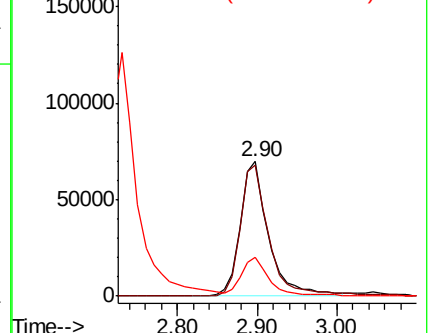
76 28.4 22.1 33.1

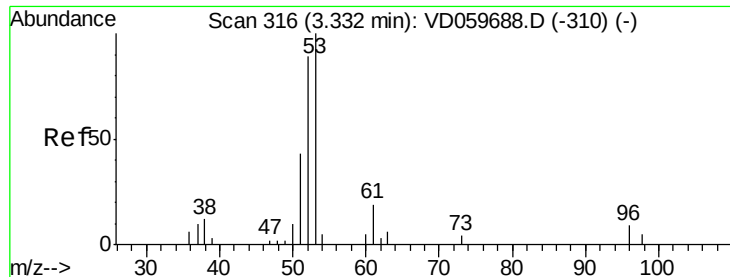


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

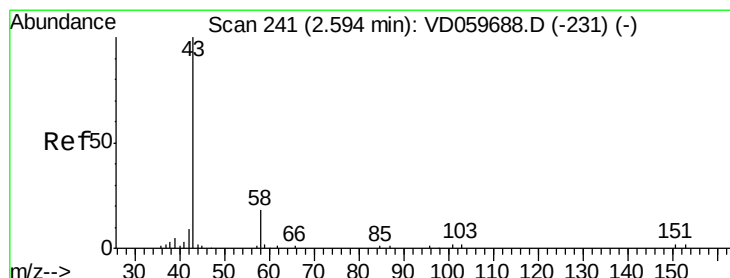
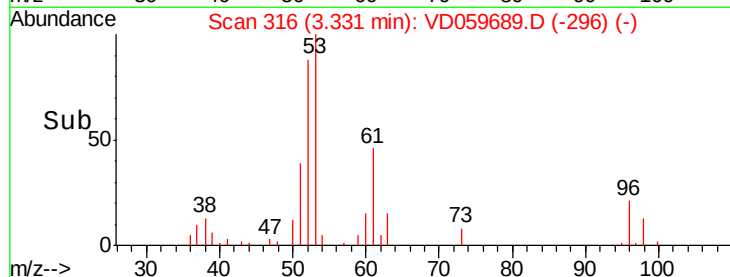
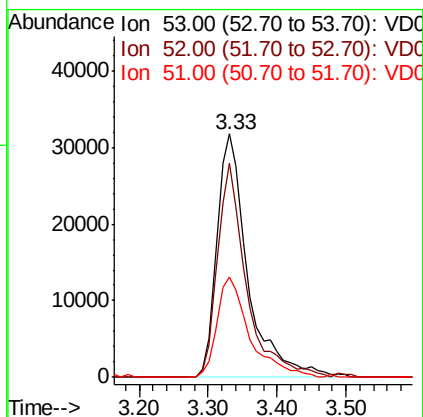
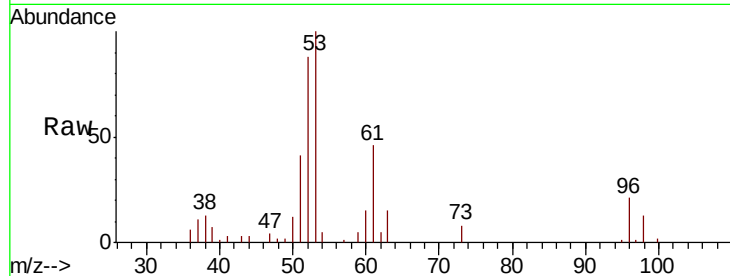




#15
 Acrylonitrile
 Concen: 360.72 ug/l
 RT: 3.33 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

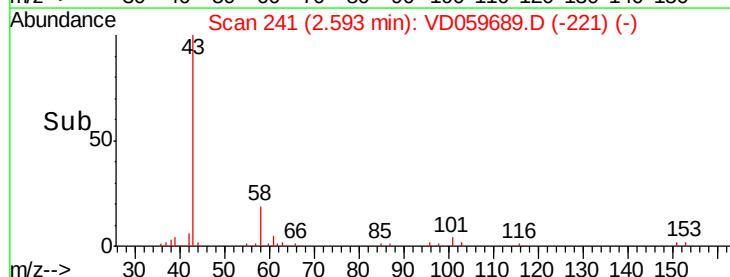
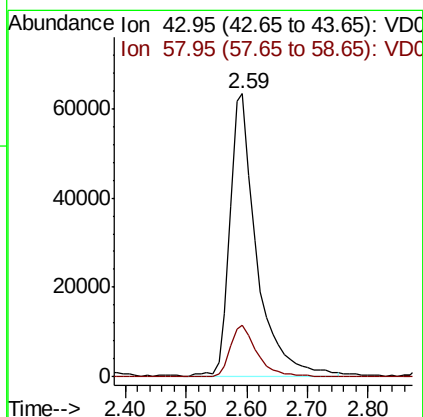
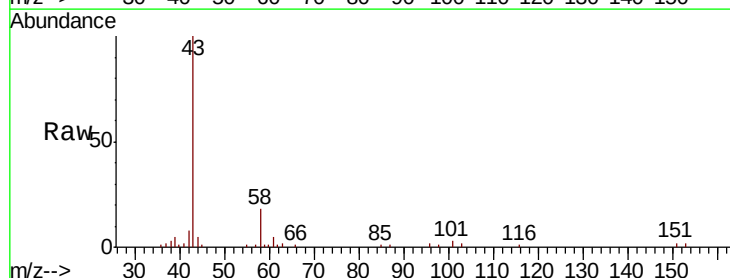
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

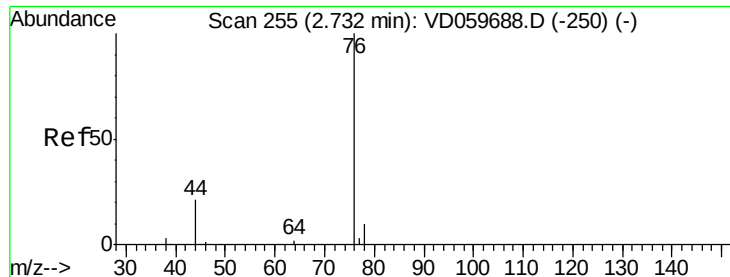
Tot Ion: 53 Resp: 98433
 Ion Ratio Lower Upper
 53 100
 52 87.9 71.4 107.0
 51 41.2 34.2 51.4



#16
 Acetone
 Concen: 390.01 ug/l
 RT: 2.59 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion: 43 Resp: 195576
 Ion Ratio Lower Upper
 43 100
 58 18.4 14.2 21.2





#17

Carbon Disulfide

Concen: 79.35 ug/l

RT: 2.73 min Scan# 255

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

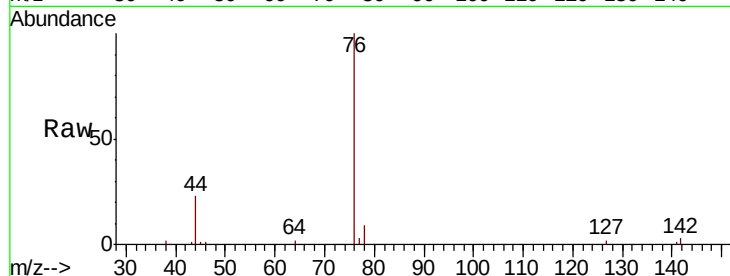
VSTDIC075

Tot Ion: 76 Resp: 290787

Ion Ratio Lower Upper

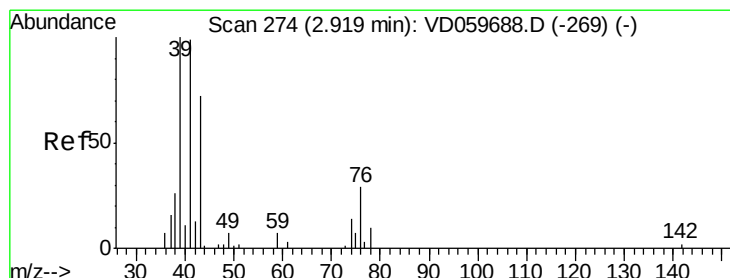
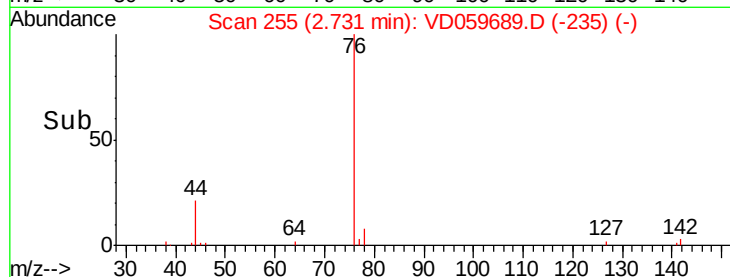
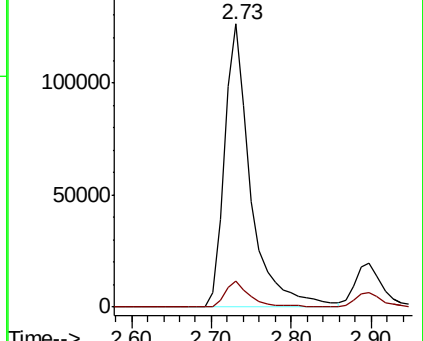
76 100

78 9.2 7.7 11.5



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 70.14 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.01 min

Lab File: VD059689.D

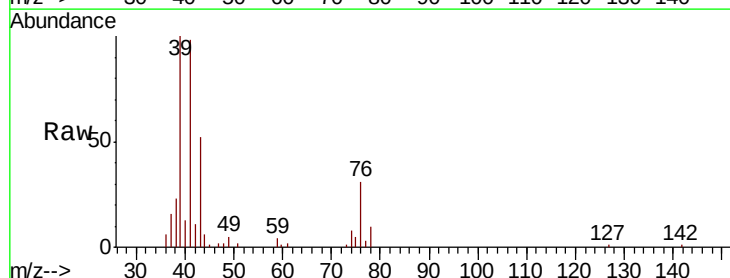
Acq: 6 Aug 2018 12:34

Tgt Ion: 43 Resp: 62956

Ion Ratio Lower Upper

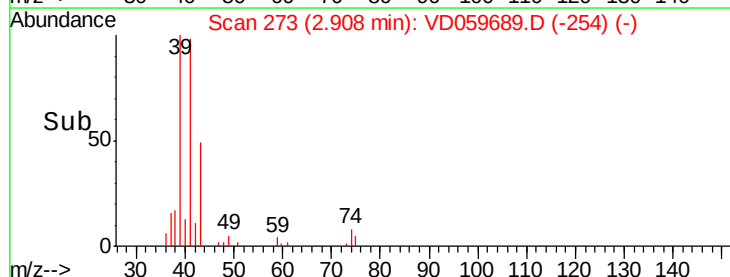
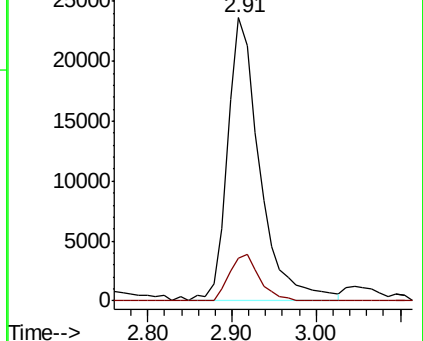
43 100

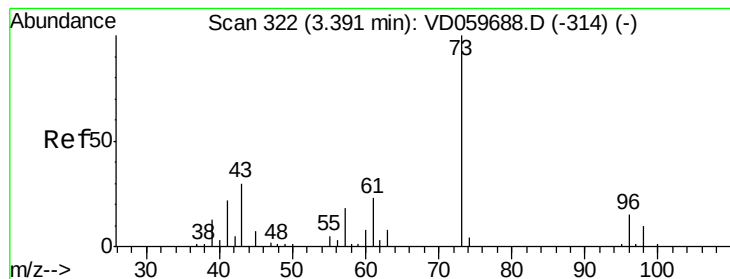
74 14.9 15.7 23.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



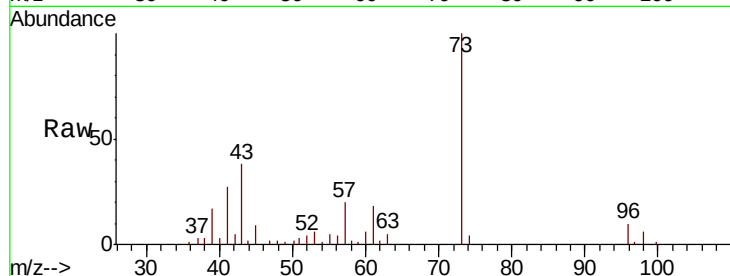


#19

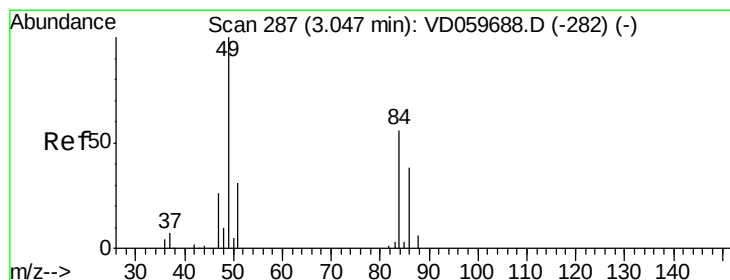
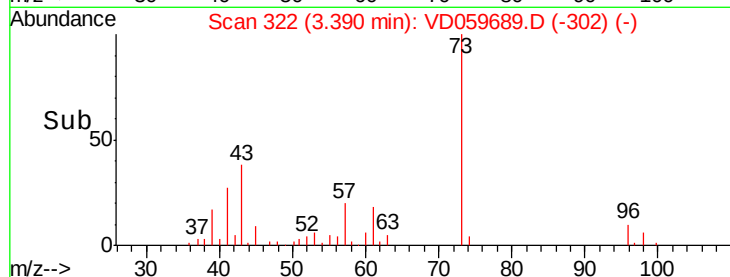
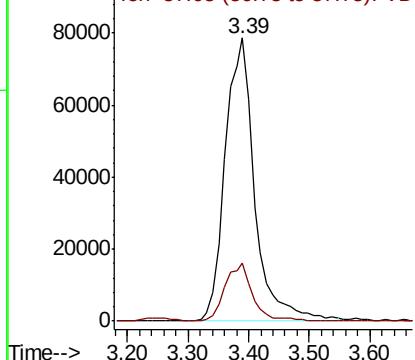
Methyl tert-butyl Ether
 Concen: 66.58 ug/l
 RT: 3.39 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 73 Resp: 265374
 Ion Ratio Lower Upper
 73 100
 57 20.4 14.3 21.5



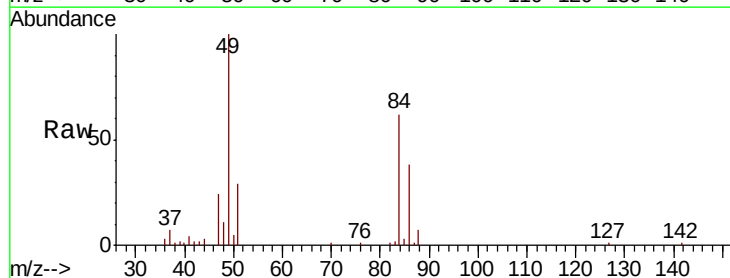
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



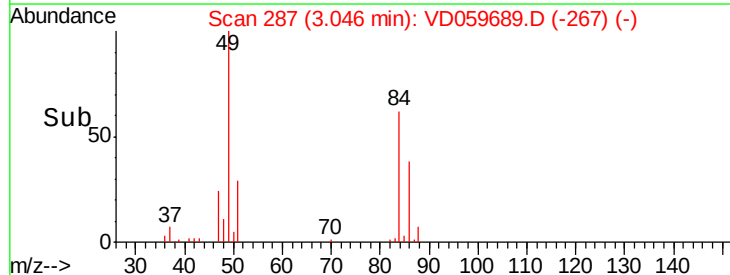
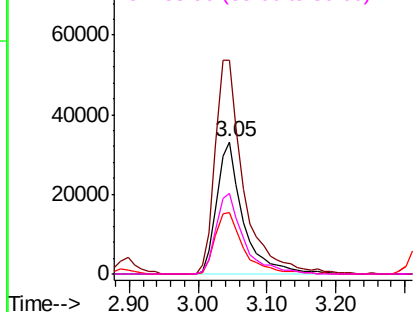
#20

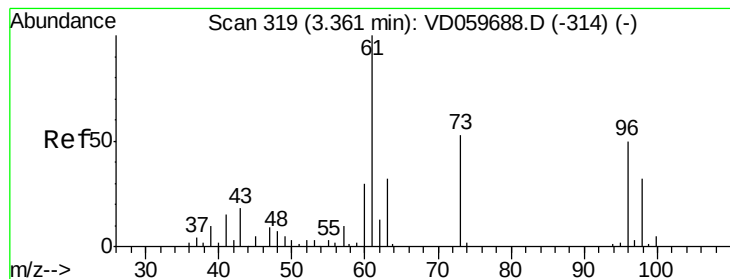
Methylene Chloride
 Concen: 47.31 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion: 84 Resp: 88427
 Ion Ratio Lower Upper
 84 100
 49 161.7 143.4 215.2
 51 46.8 44.2 66.4
 86 61.1 55.0 82.6



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: 65.62 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

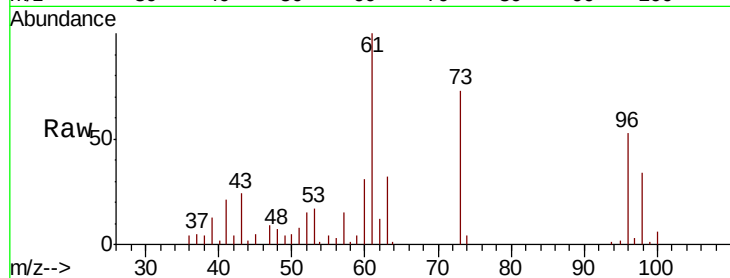
Tot Ion: 96 Resp: 92203

Ion Ratio Lower Upper

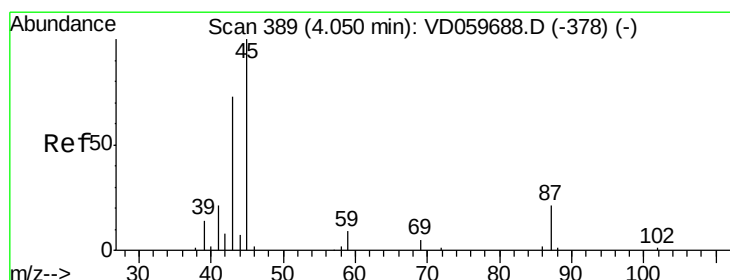
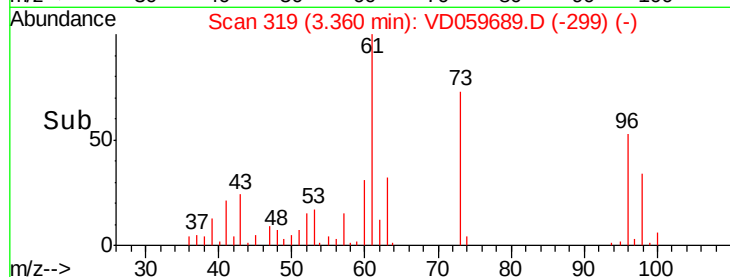
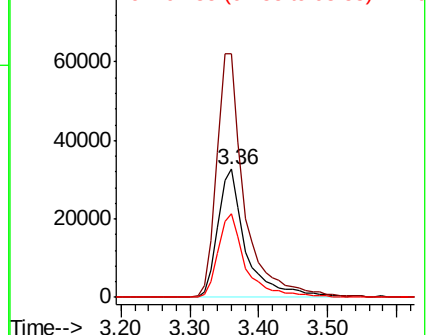
96 100

61 189.7 160.6 241.0

98 64.7 50.9 76.3



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



#22

Diisopropyl ether

Concen: 69.48 ug/l

RT: 4.04 min Scan# 388

Delta R.T. -0.01 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Tgt Ion: 45 Resp: 373291

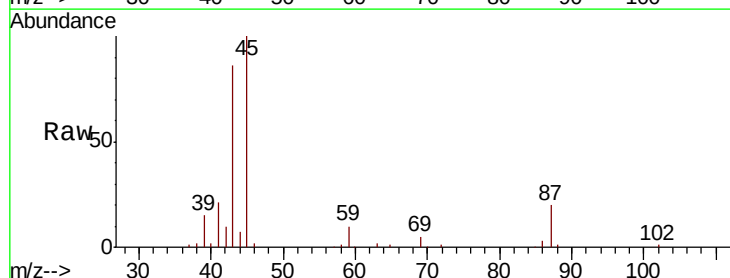
Ion Ratio Lower Upper

45 100

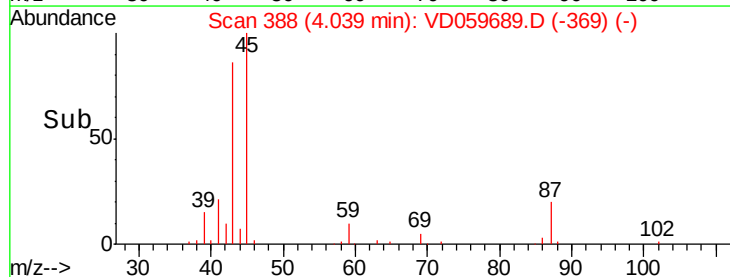
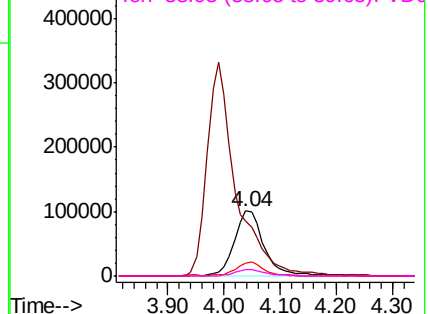
43 85.5 60.3 90.5

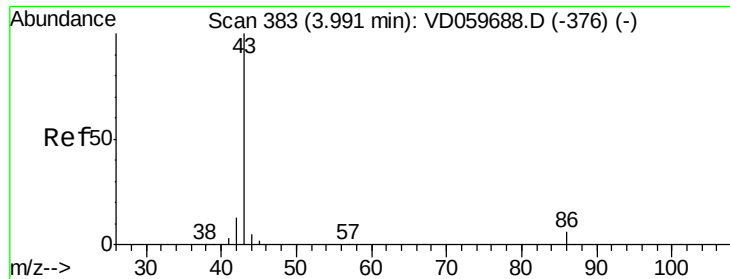
87 19.7 17.0 25.6

59 9.6 7.9 11.9



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: 355.48 ug/l

RT: 3.99 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

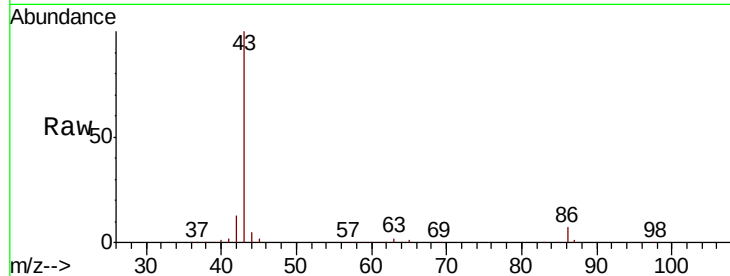
VSTDIC075

Tot Ion: 43 Resp: 1192078

Ion Ratio Lower Upper

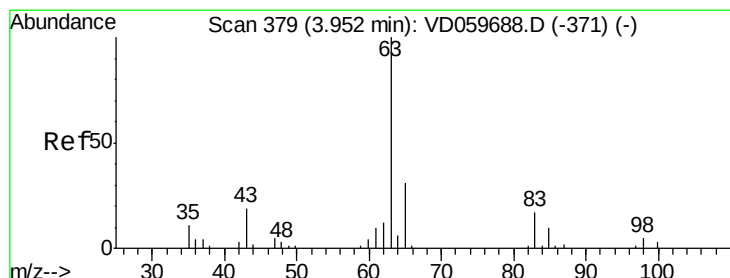
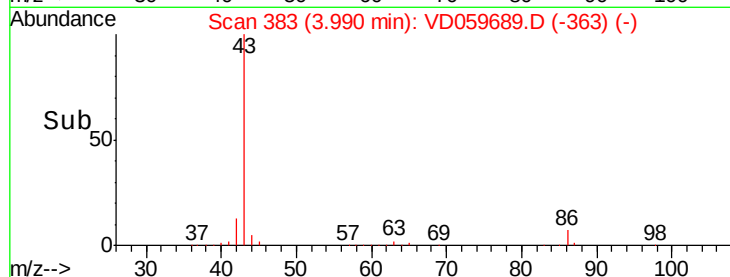
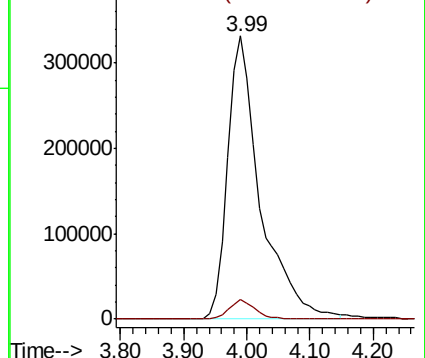
43 100

86 6.8 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 69.51 ug/l

RT: 3.94 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

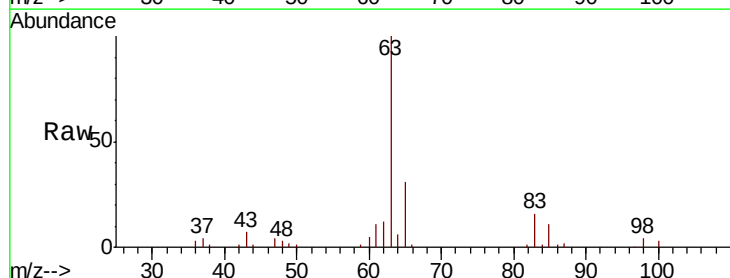
Tgt Ion: 63 Resp: 251543

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

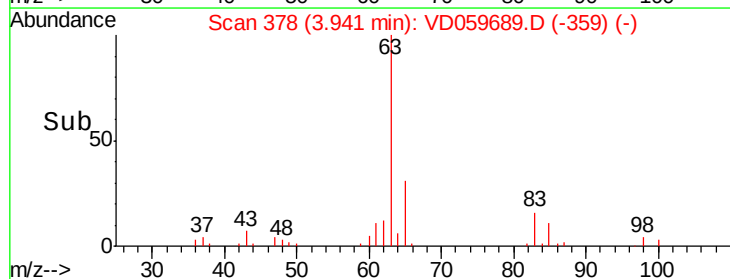
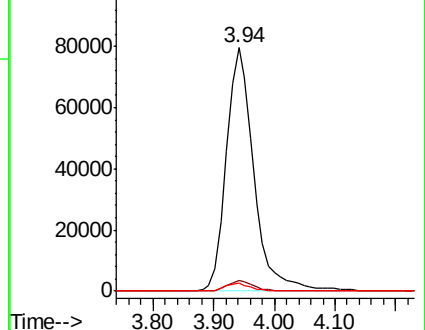
100 3.2 1.6 4.8

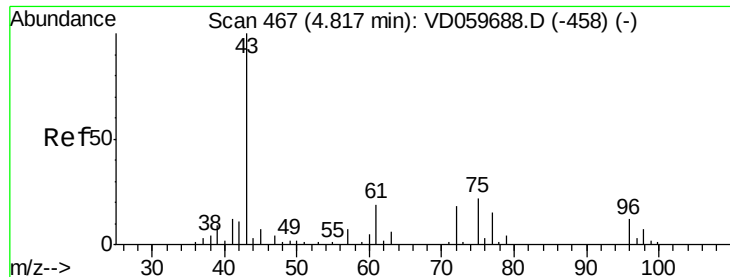


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 384.53 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

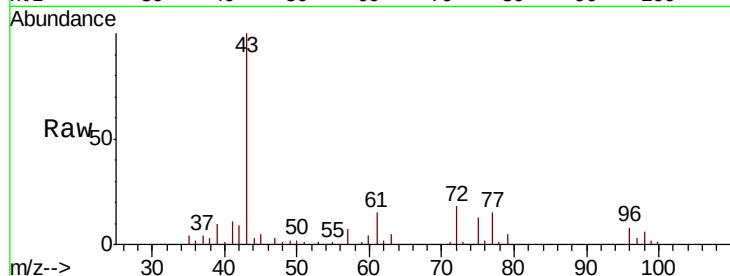
VSTDIC075

Tot Ion: 43 Resp: 245868

Ion Ratio Lower Upper

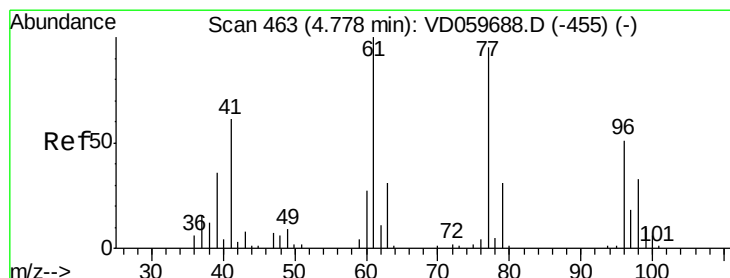
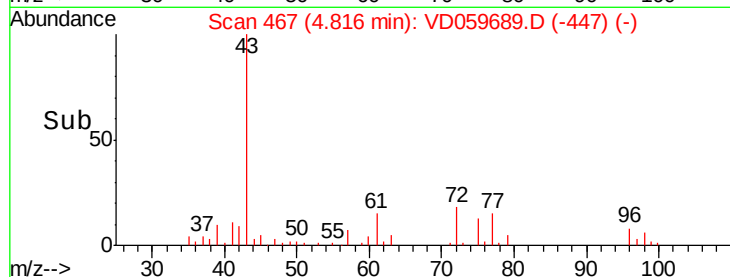
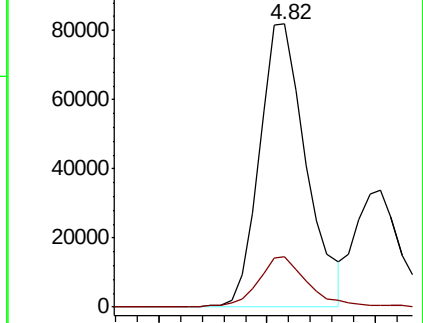
43 100

72 18.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 68.76 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD059689.D

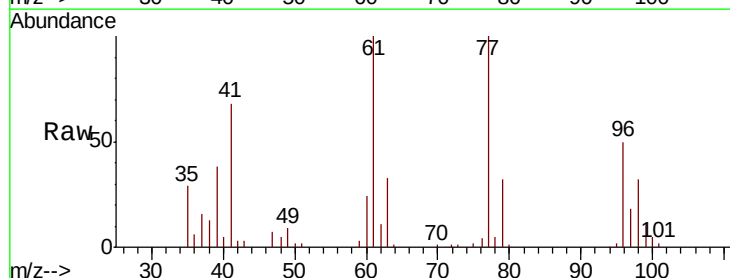
Acq: 6 Aug 2018 12:34

Tgt Ion: 77 Resp: 270195

Ion Ratio Lower Upper

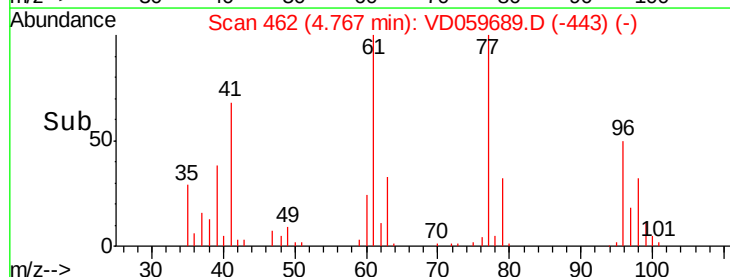
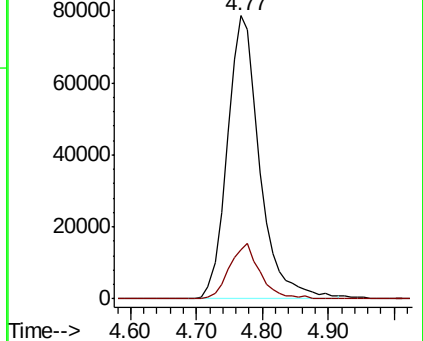
77 100

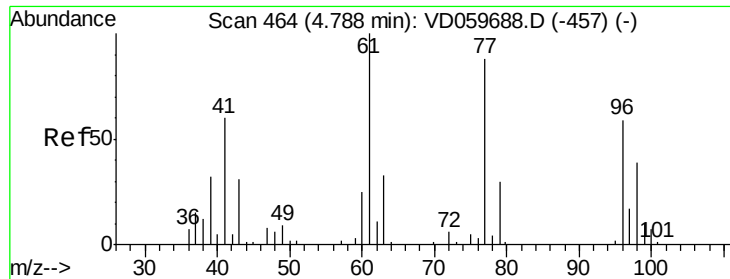
97 17.6 9.4 28.3



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: 67.19 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

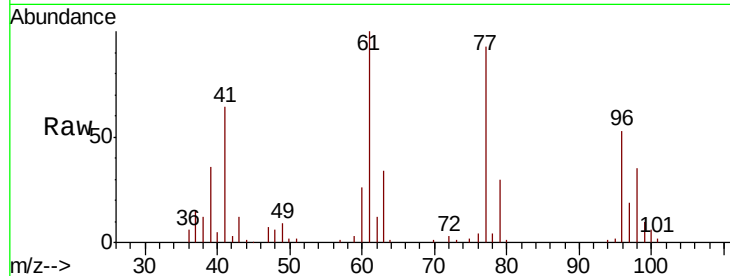
Tot Ion: 96 Resp: 127640

Ion Ratio Lower Upper

96 100

61 187.5 0.0 341.6

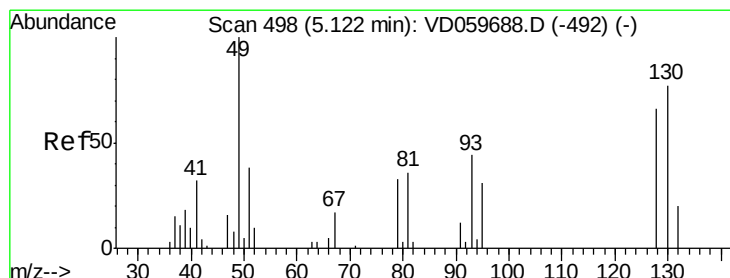
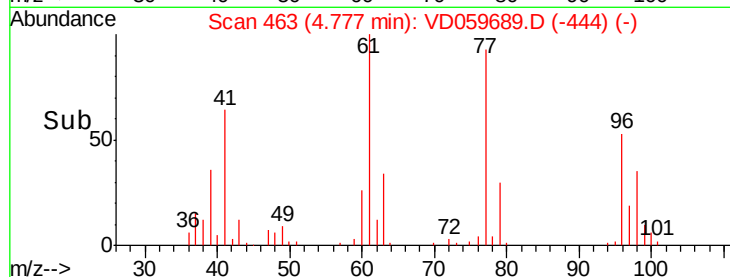
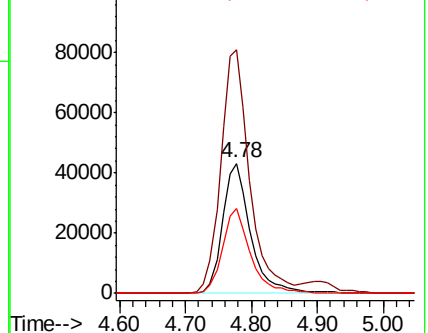
98 65.5 0.0 131.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 72.59 ug/l

RT: 5.12 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

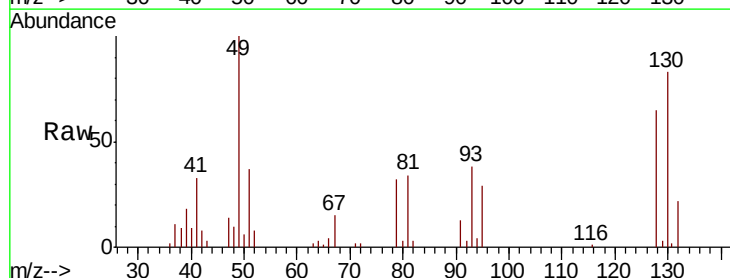
Tgt Ion: 49 Resp: 97358

Ion Ratio Lower Upper

49 100

129 2.9 0.0 0.0#

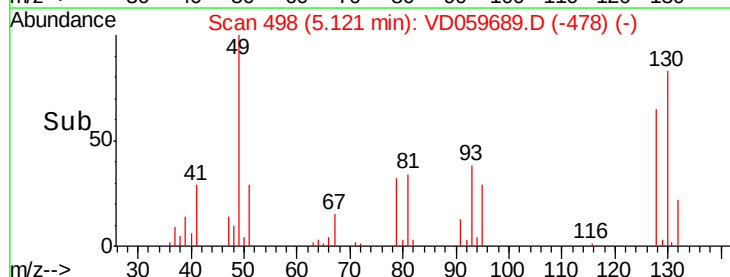
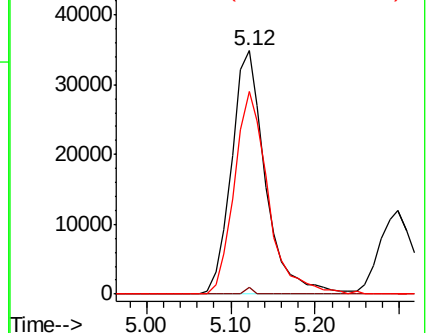
130 83.1 61.2 91.8

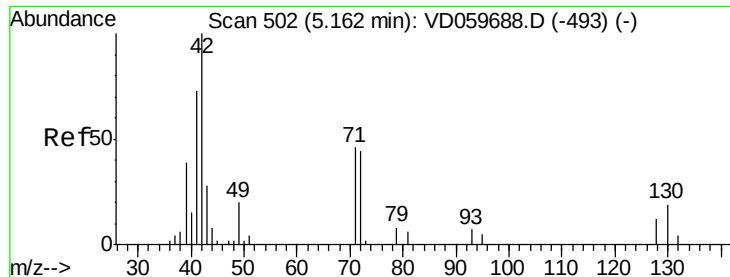


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

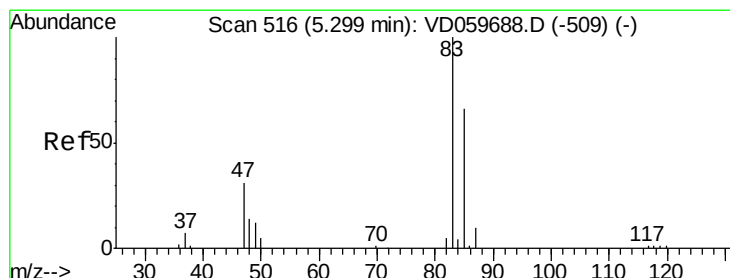
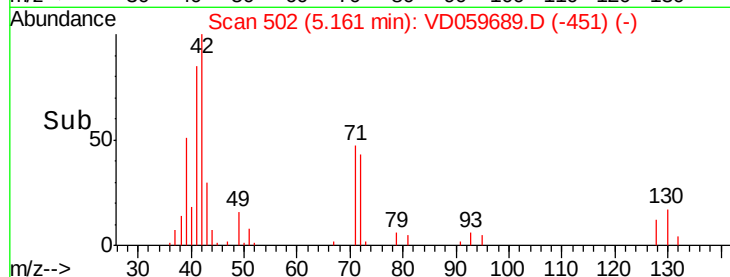
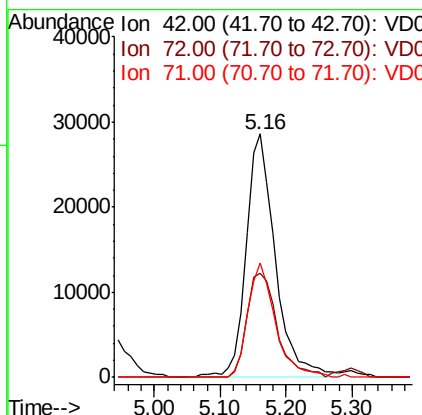
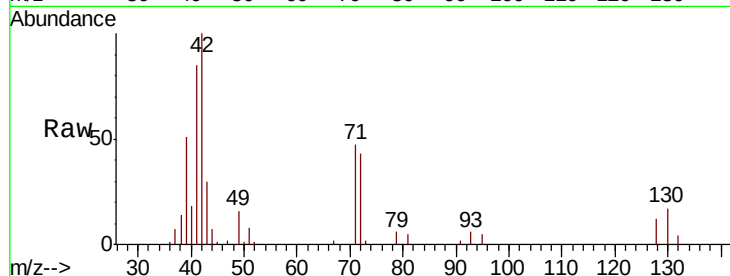




#29
Tetrahydrofuran
Concen: 355.84 ug/l
RT: 5.16 min Scan# 502
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

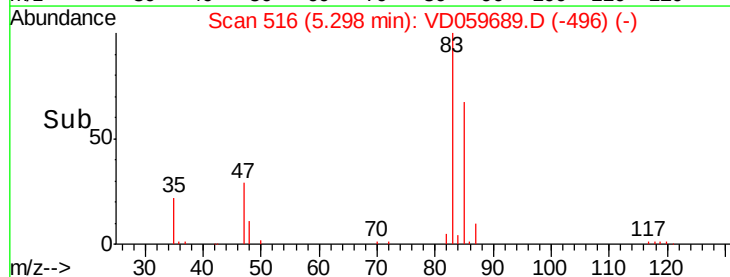
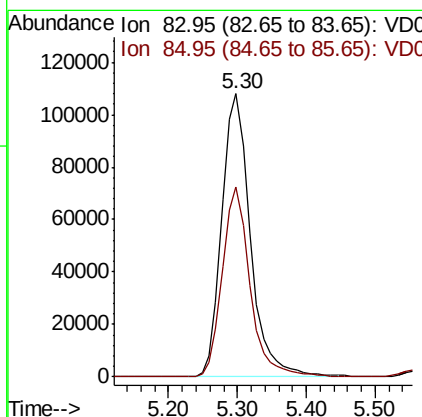
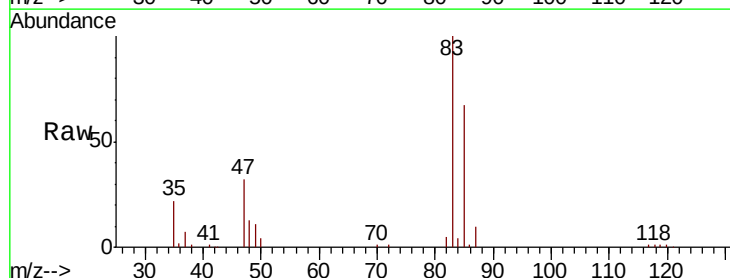
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

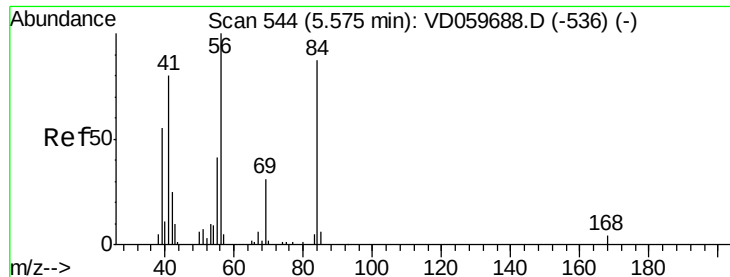
Tot Ion: 42 Resp: 89020
Ion Ratio Lower Upper
42 100
72 44.3 36.7 55.1
71 44.1 36.3 54.5



#30
Chloroform
Concen: 71.31 ug/l
RT: 5.30 min Scan# 516
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion: 83 Resp: 311494
Ion Ratio Lower Upper
83 100
85 67.0 52.6 79.0

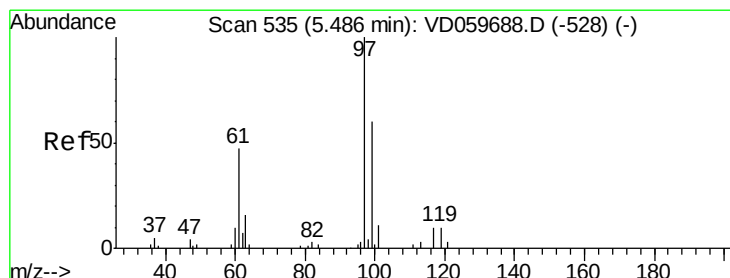
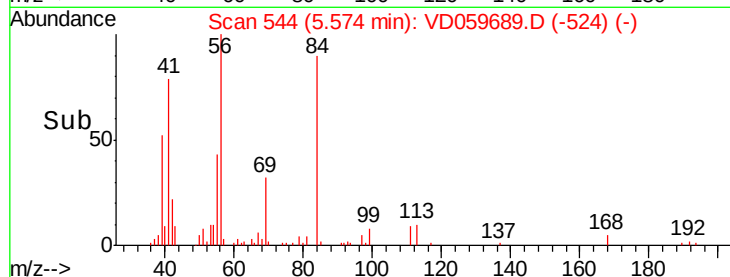
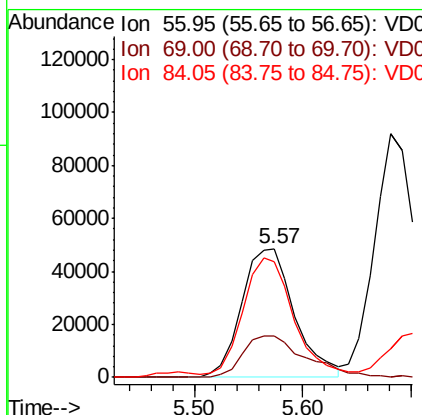
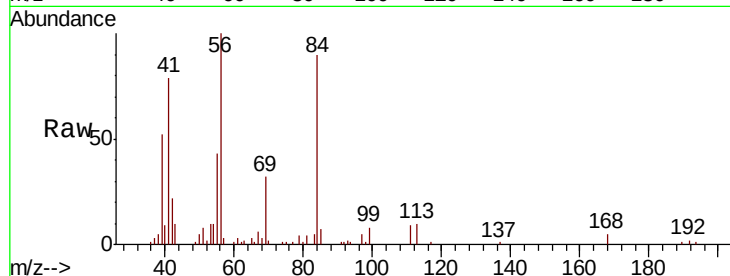




#31
Cyclohexane
Concen: 63.02 ug/l
RT: 5.57 min Scan# 544
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

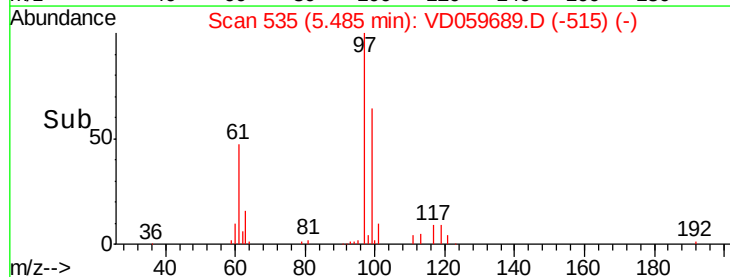
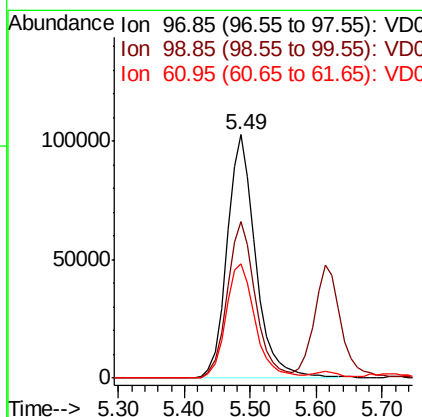
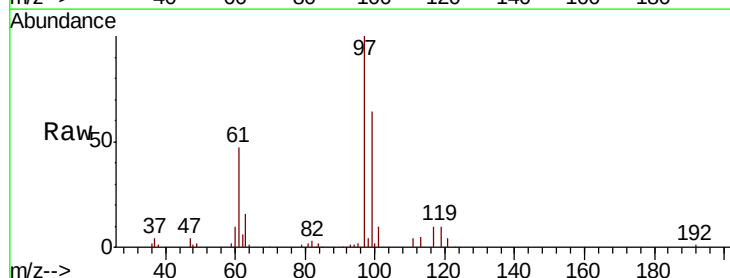
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

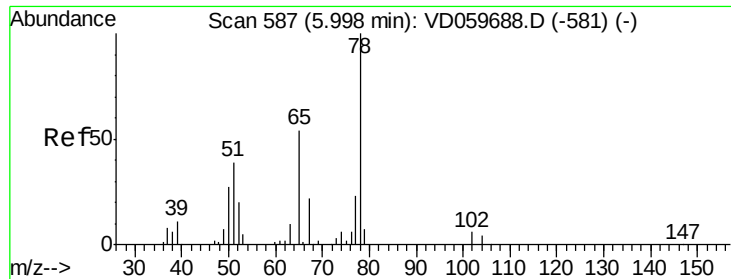
Tot Ion: 56 Resp: 166010
Ion Ratio Lower Upper
56 100
69 32.1 24.7 37.1
84 89.9 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 72.59 ug/l
RT: 5.49 min Scan# 535
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion: 97 Resp: 310753
Ion Ratio Lower Upper
97 100
99 64.1 48.2 72.2
61 47.0 37.5 56.3

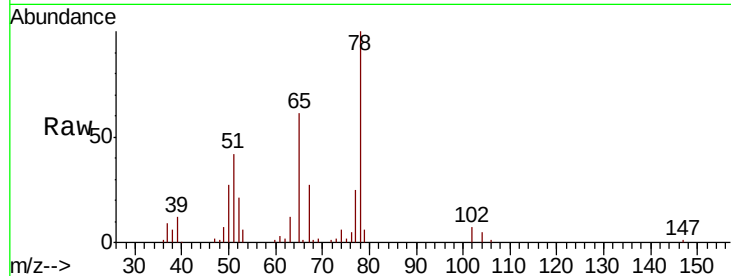




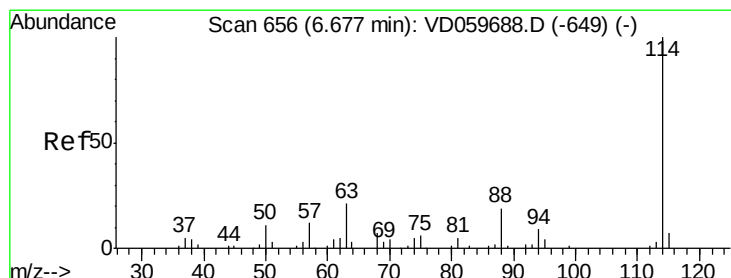
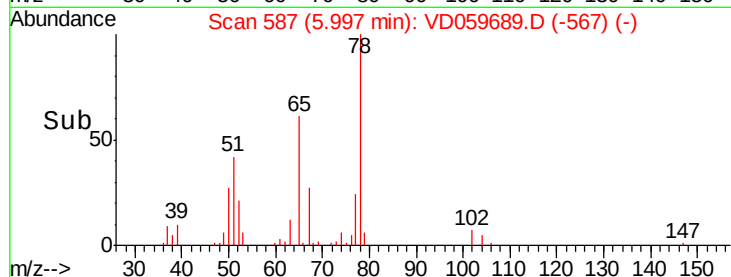
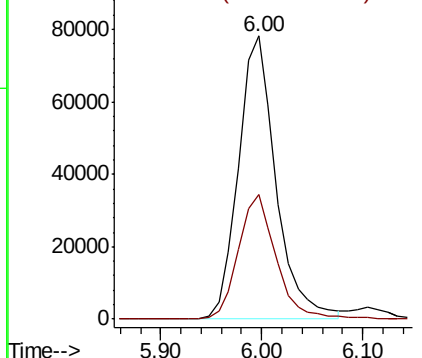
#33
 1,2-Dichloroethane-d4
 Concen: 72.59 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 65 Resp: 202094
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 80.4

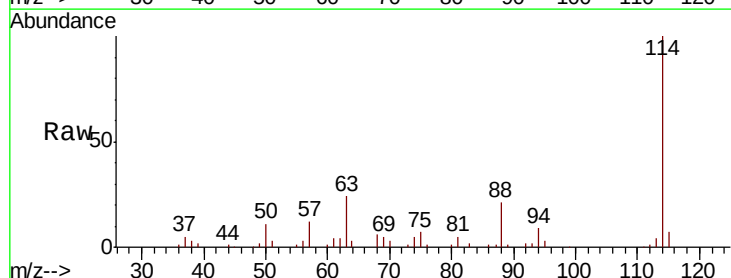


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

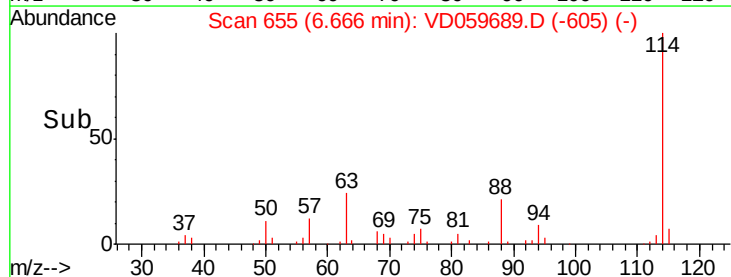
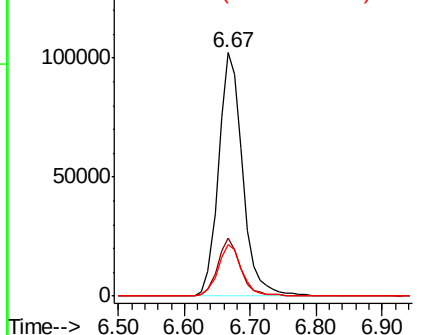


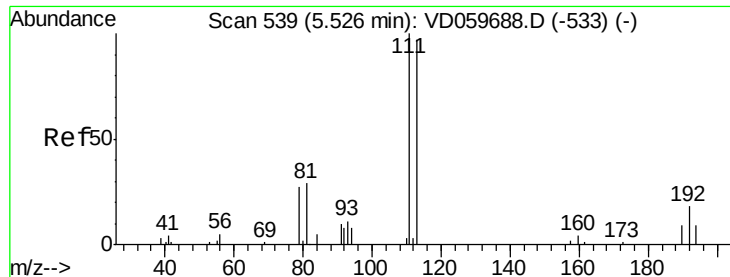
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion: 114 Resp: 259536
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 42.6
 88 21.3 0.0 38.8



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

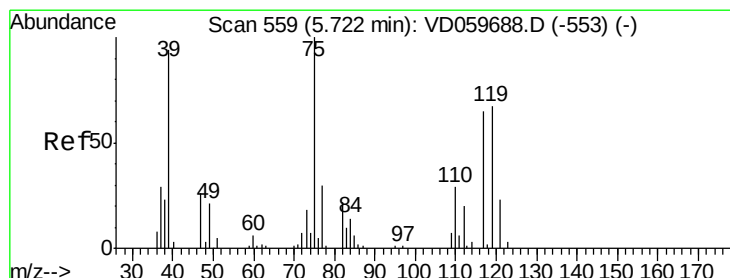
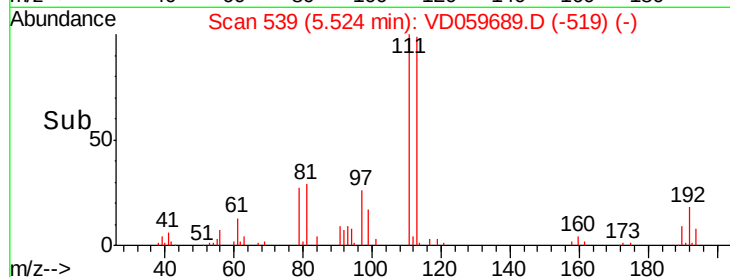
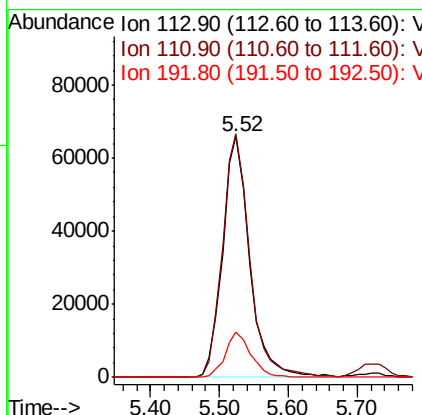
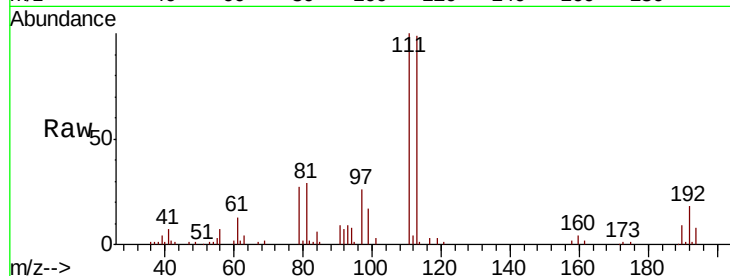




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 5.52 min Scan# 539
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

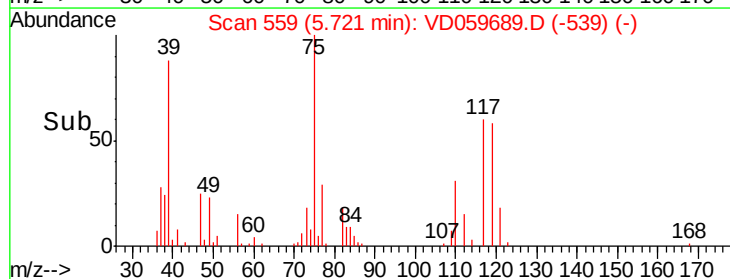
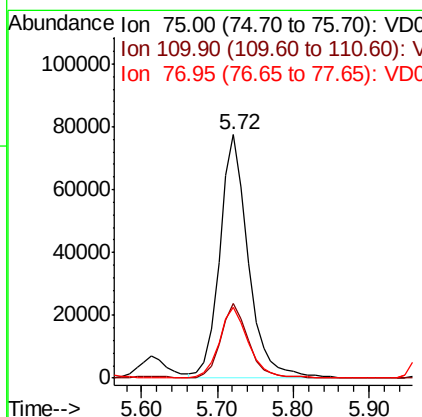
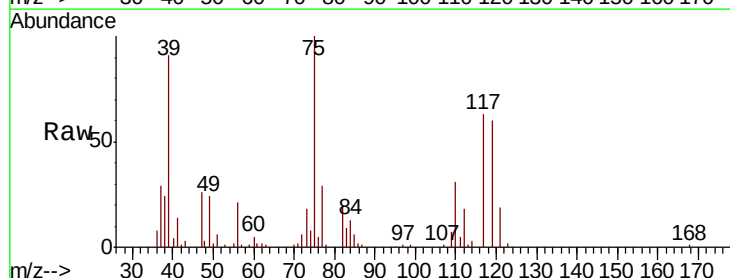
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

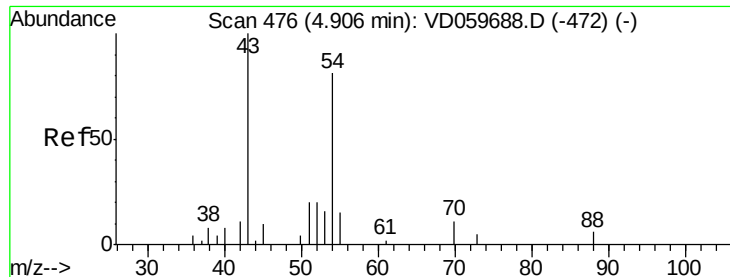
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.8	124.2
192	18.6	14.6	22.0



#36
1,1-Dichloropropene
Concen: 69.95 ug/l
RT: 5.72 min Scan# 559
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.7	14.1	42.3
77	29.3	23.9	35.9





#37

Ethyl Acetate

Concen: 75.52 ug/l

RT: 4.90 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

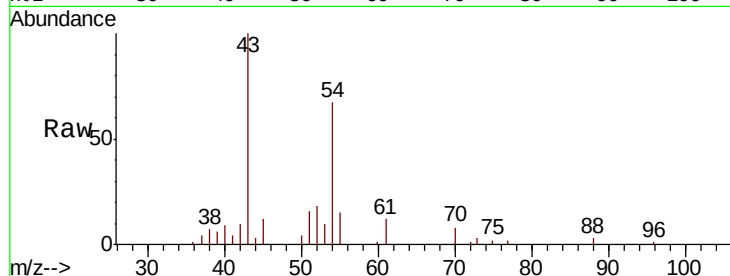
Tot Ion: 43 Resp: 103059

Ion Ratio Lower Upper

43 100

61 12.2 10.1 15.1

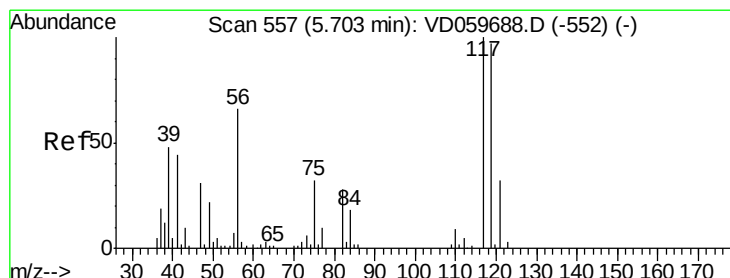
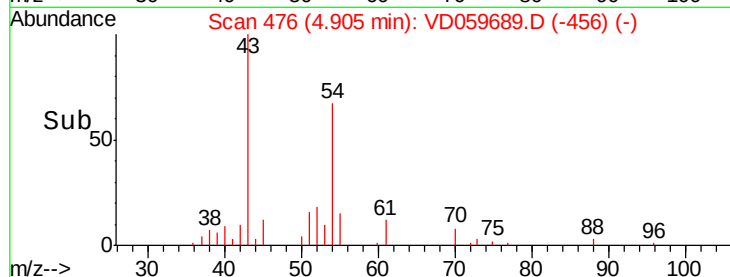
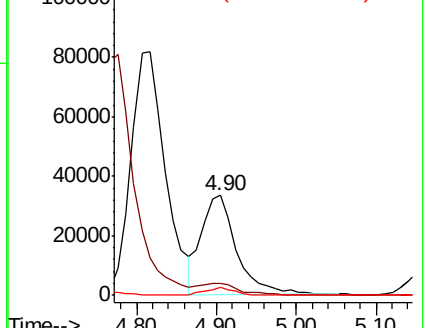
70 8.0 5.4 8.2



Abundance Ion 42.95 (42.65 to 43.65): VD059688.D (-472) (-)

Ion 60.95 (60.65 to 61.65): VD059688.D (-472) (-)

Ion 70.00 (69.70 to 70.70): VD059688.D (-472) (-)



#38

Carbon Tetrachloride

Concen: 70.96 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

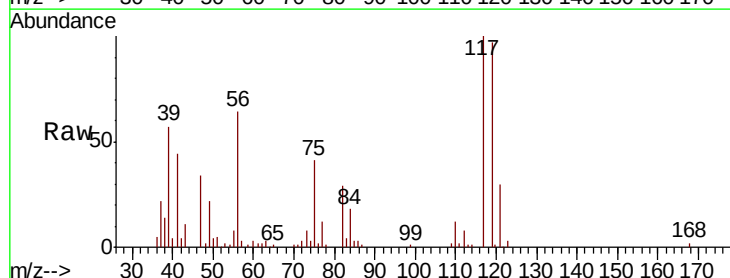
Tgt Ion: 117 Resp: 278838

Ion Ratio Lower Upper

117 100

119 97.0 75.3 112.9

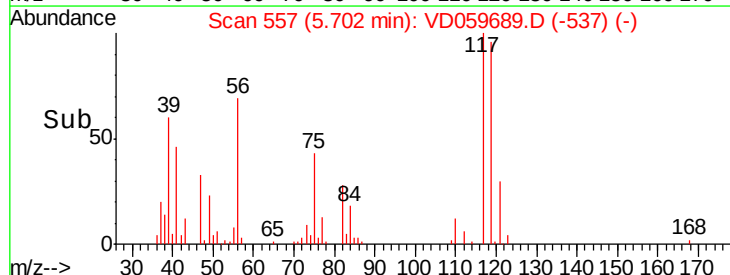
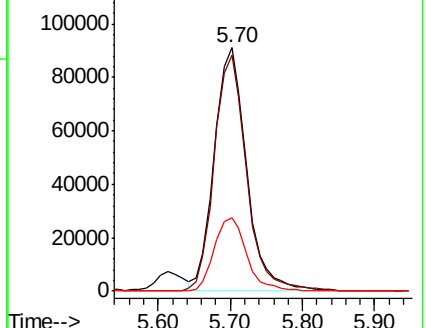
121 30.0 24.4 36.6

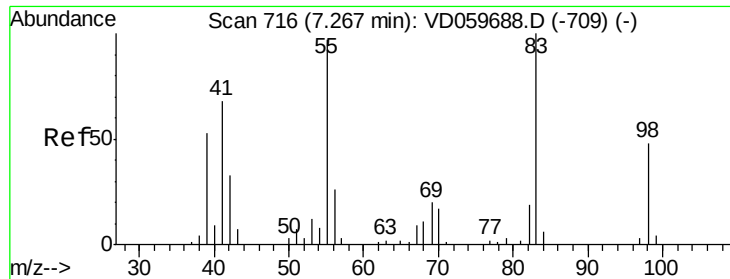


Abundance Ion 116.85 (116.55 to 117.55): VD059688.D (-552) (-)

Ion 118.85 (118.55 to 119.55): VD059688.D (-552) (-)

Ion 120.85 (120.55 to 121.55): VD059688.D (-552) (-)

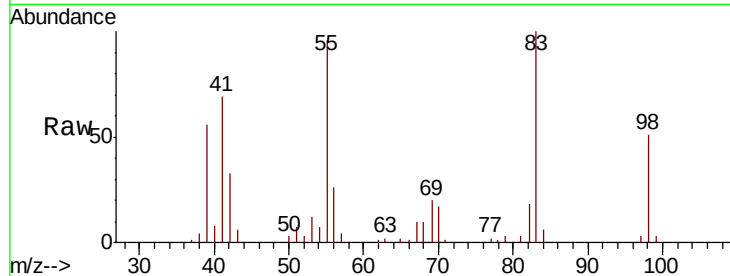




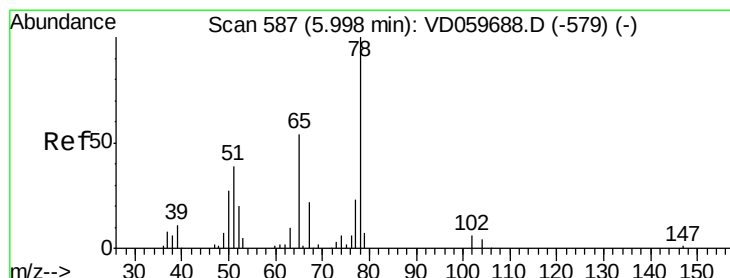
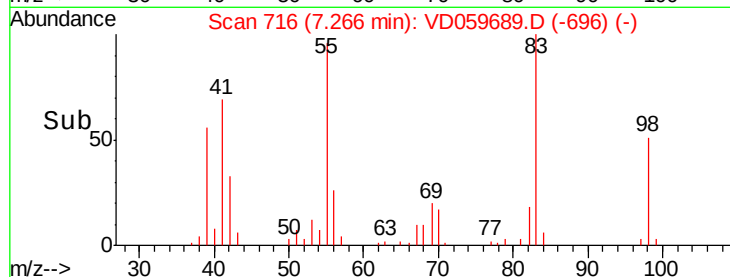
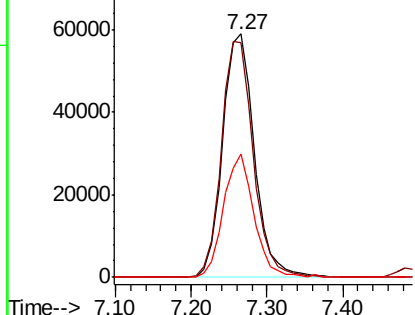
#39
Methylvlcyclohexane
Concen: 71.05 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 170629
Ion Ratio Lower Upper
83 100
55 96.2 77.7 116.5
98 50.5 38.7 58.1

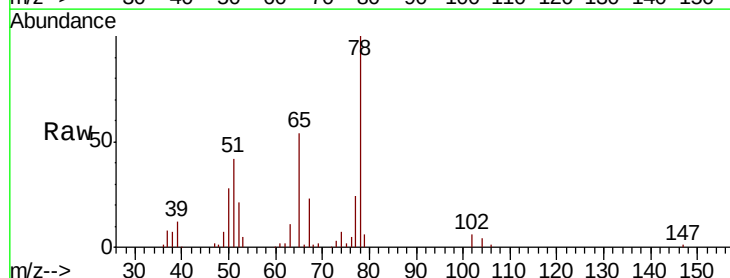


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

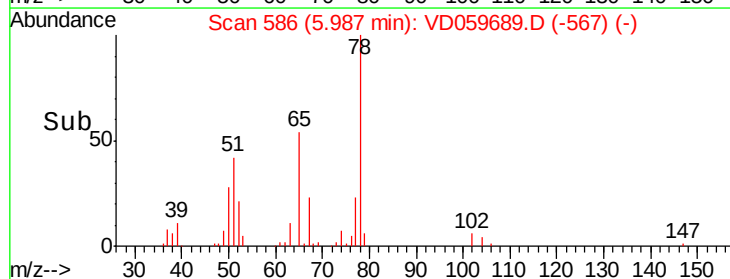
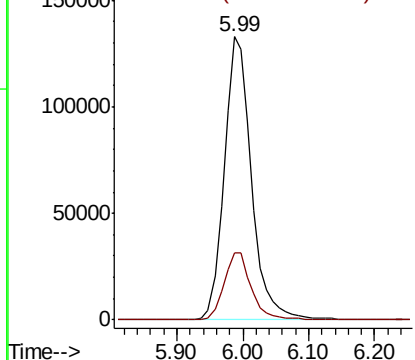


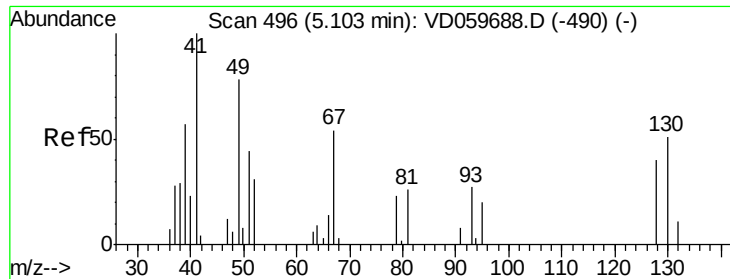
#40
Benzene
Concen: 68.38 ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.01 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion: 78 Resp: 382374
Ion Ratio Lower Upper
78 100
77 23.5 18.4 27.6



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

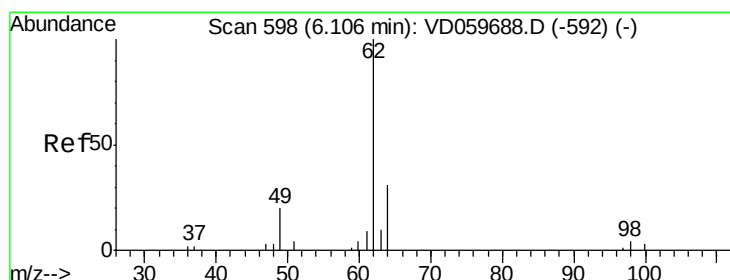
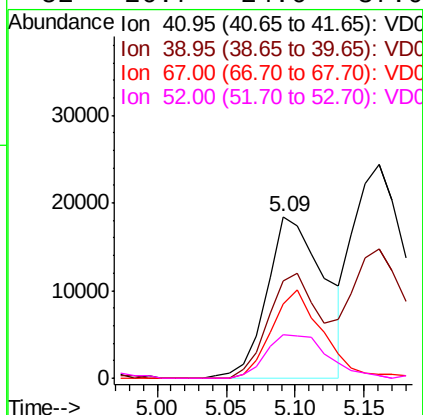
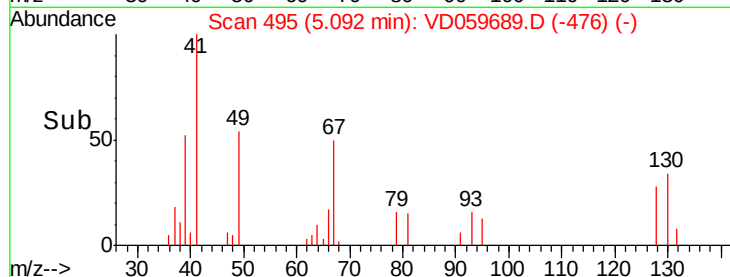
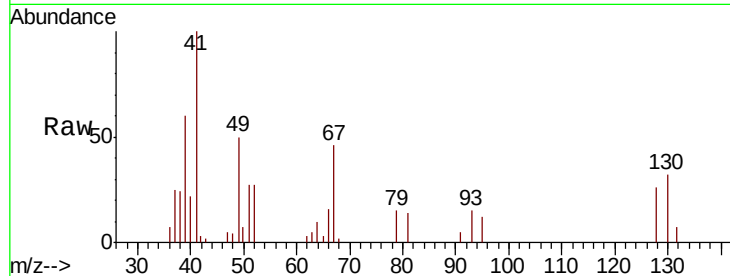




#41
Methacrylonitrile
Concen: 81.11 ug/l
RT: 5.09 min Scan# 495
Delta R.T. -0.01 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

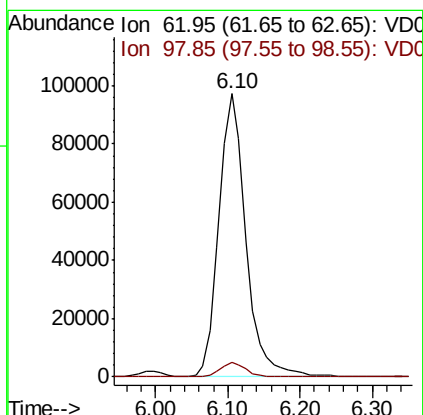
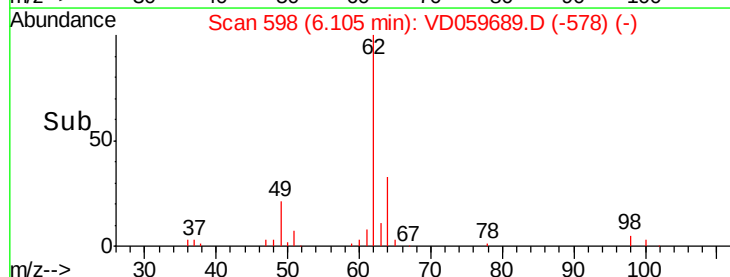
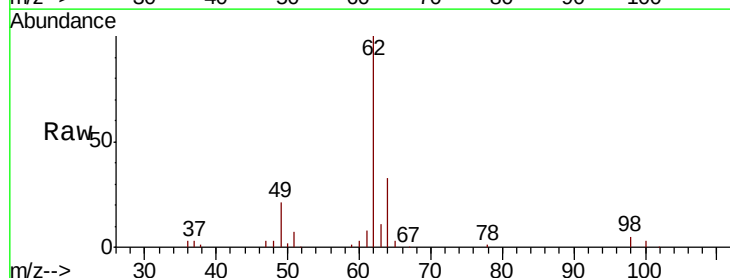
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

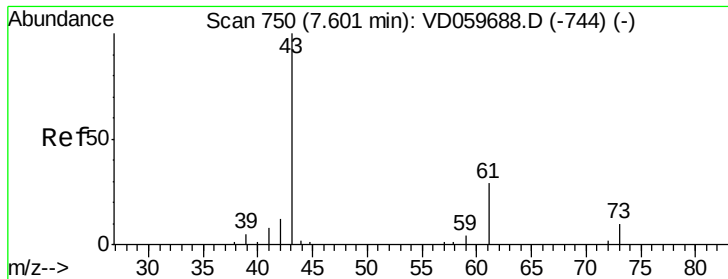
Tot Ion: 41 Resp: 53630
Ion Ratio Lower Upper
41 100
39 59.8 45.8 68.8
67 45.9 43.4 65.2
52 26.7 24.6 37.0



#42
1,2-Dichloroethane
Concen: 73.11 ug/l
RT: 6.10 min Scan# 598
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion: 62 Resp: 251744
Ion Ratio Lower Upper
62 100
98 5.1 0.0 8.8





#43

Isopropyl Acetate

Concen: 74.70 ug/l

RT: 7.60 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

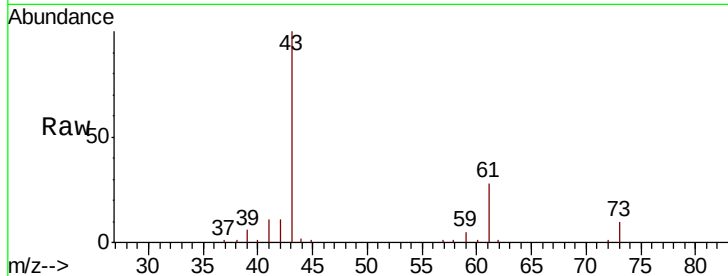
Tot Ion: 43 Resp: 135051

Ion Ratio Lower Upper

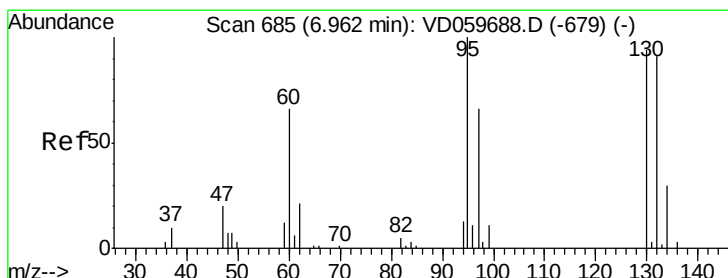
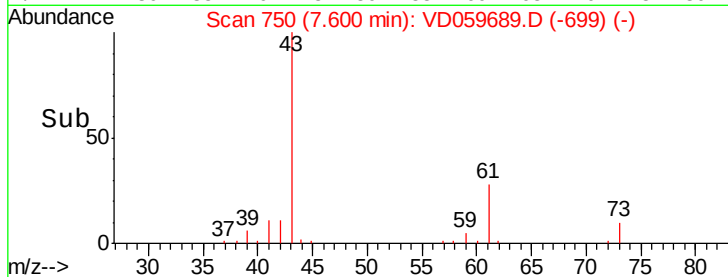
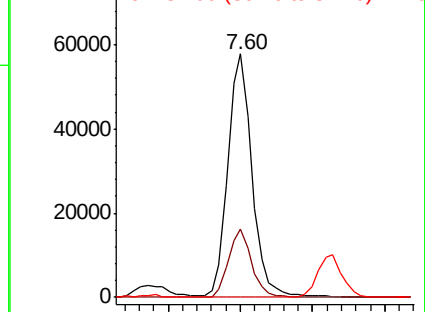
43 100

61 27.9 22.9 34.3

87 0.0 0.0 0.0



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: 69.37 ug/l

RT: 6.96 min Scan# 685

Delta R.T. -0.00 min

Lab File: VD059689.D

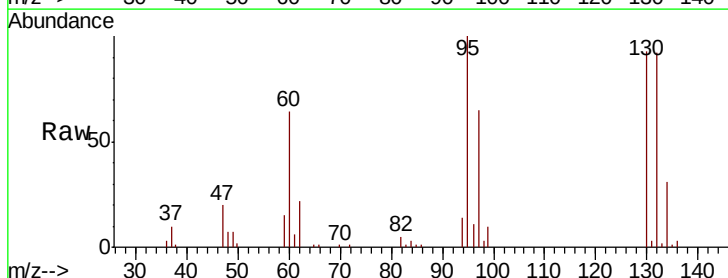
Acq: 6 Aug 2018 12:34

Tgt Ion:130 Resp: 141554

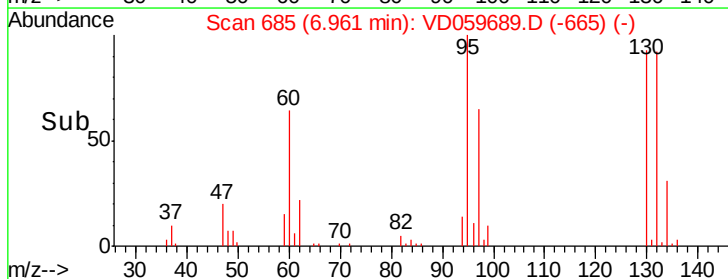
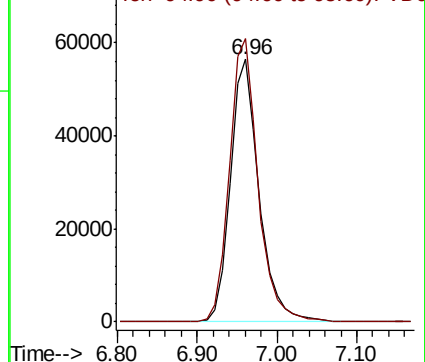
Ion Ratio Lower Upper

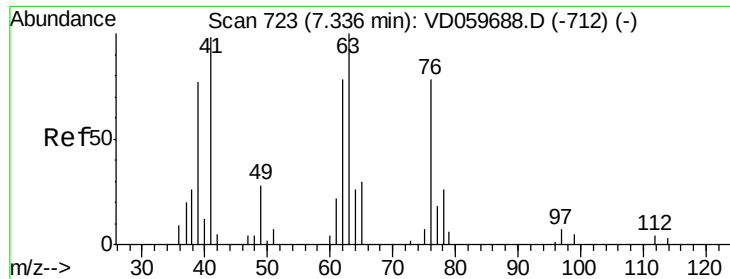
130 100

95 107.9 0.0 212.8



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

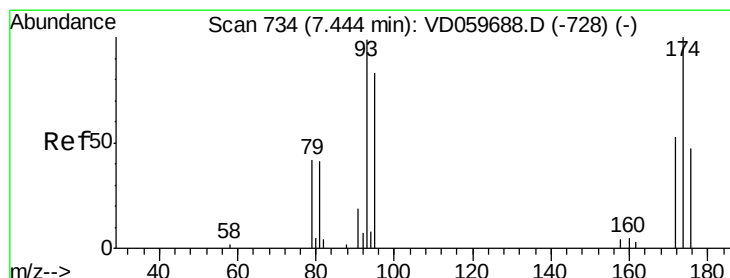
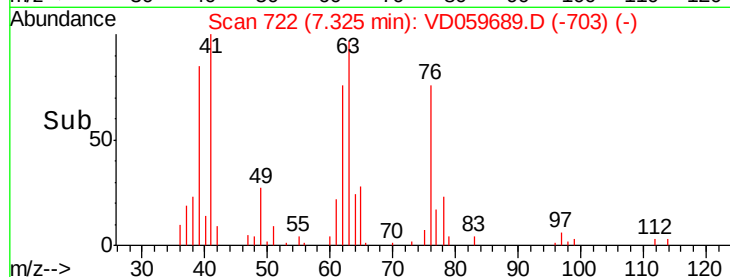
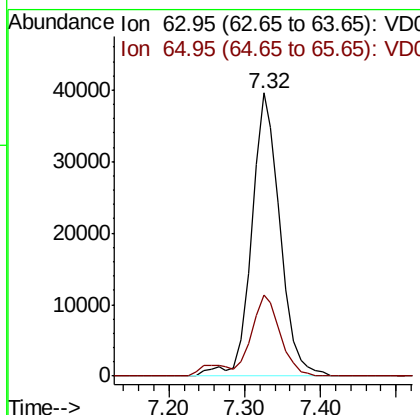
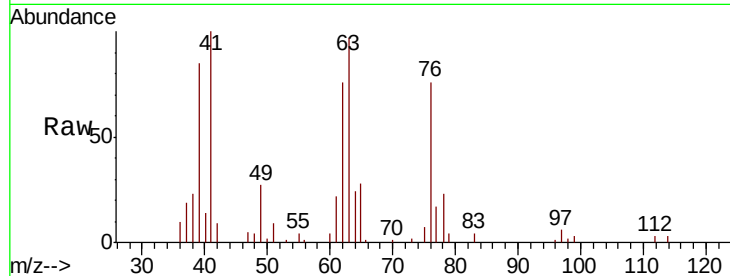




#45
 1,2-Dichloropropane
 Concen: 71.27 ug/l
 RT: 7.32 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

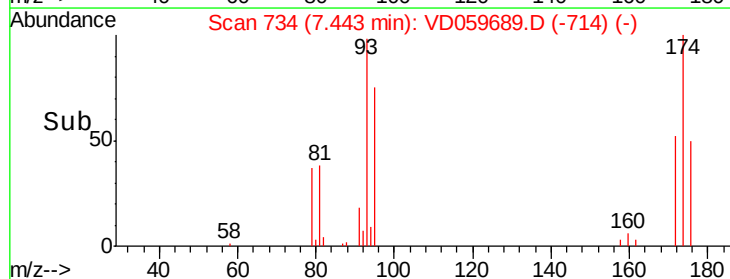
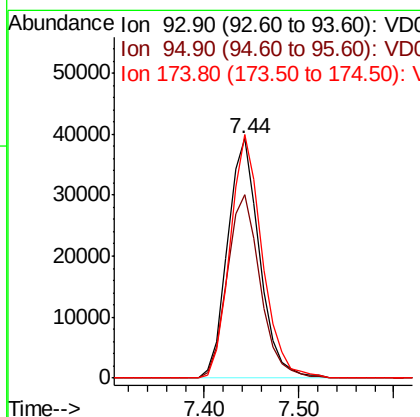
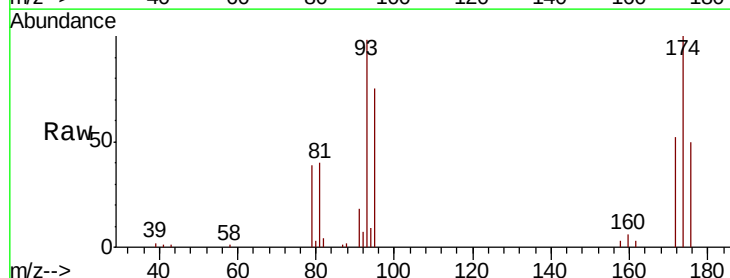
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

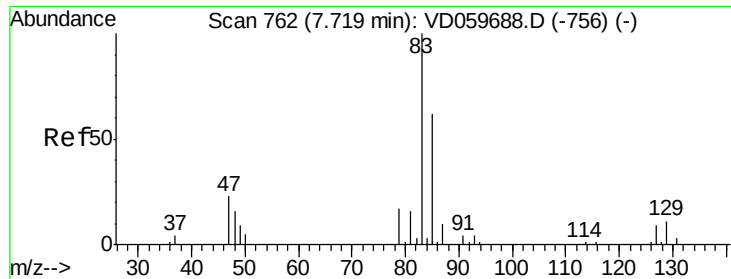
Tot Ion: 63 Resp: 102961
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.2 36.4



#46
 Dibromomethane
 Concen: 72.03 ug/l
 RT: 7.44 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion: 93 Resp: 91580
 Ion Ratio Lower Upper
 93 100
 95 76.5 66.6 100.0
 174 101.7 80.6 120.8





#47

Bromodichloromethane

Concen: 70.89 ug/l

RT: 7.72 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

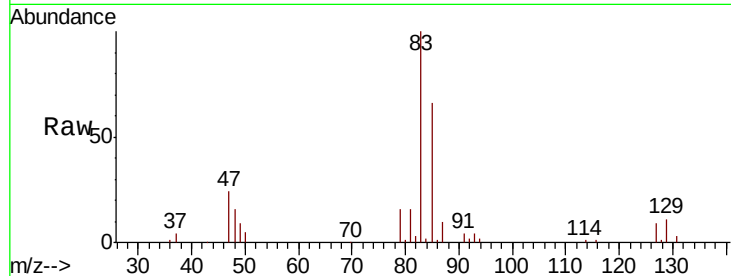
Tot Ion: 83 Resp: 231102

Ion Ratio Lower Upper

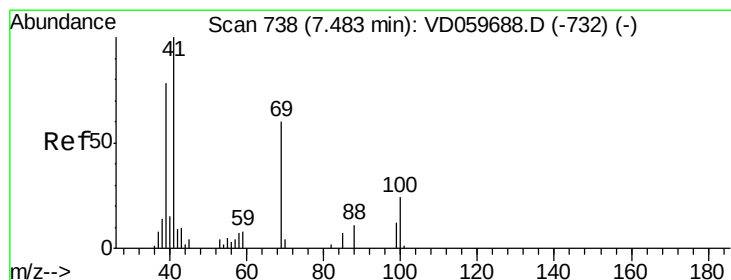
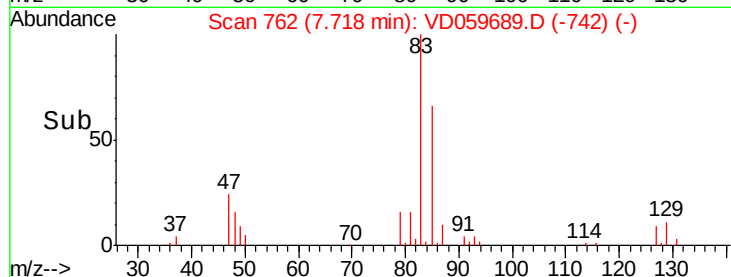
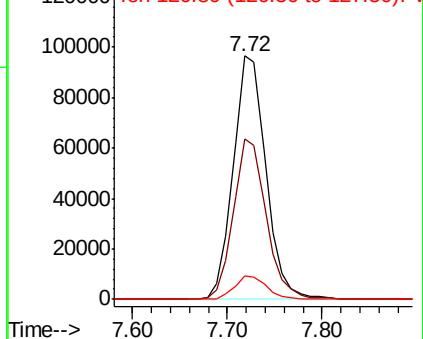
83 100

85 65.8 49.8 74.8

127 9.4 7.3 10.9



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: 77.22 ug/l

RT: 7.48 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

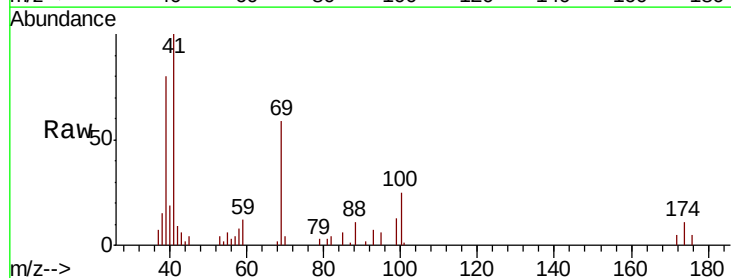
Tgt Ion: 41 Resp: 92492

Ion Ratio Lower Upper

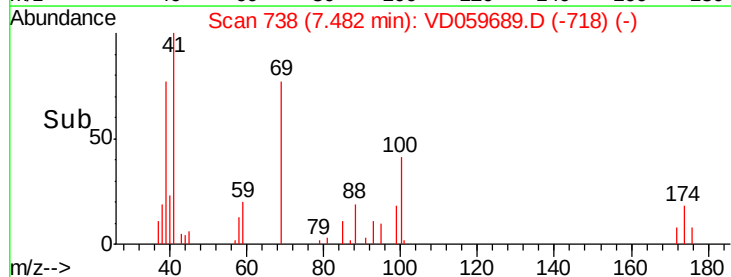
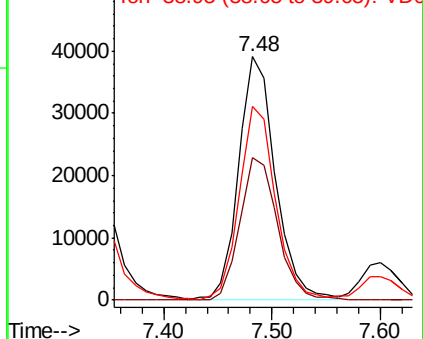
41 100

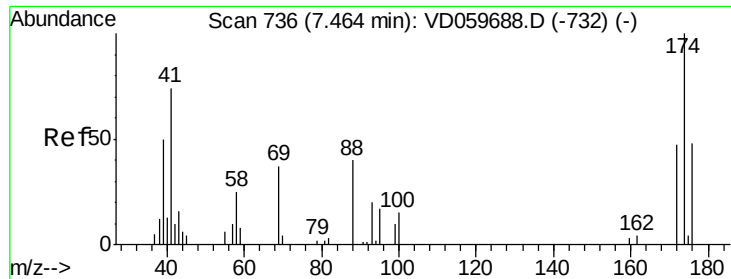
69 58.7 47.3 70.9

39 79.5 62.9 94.3



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: 1598.78 ug/l

RT: 7.47 min Scan# 737

Delta R.T. 0.01 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

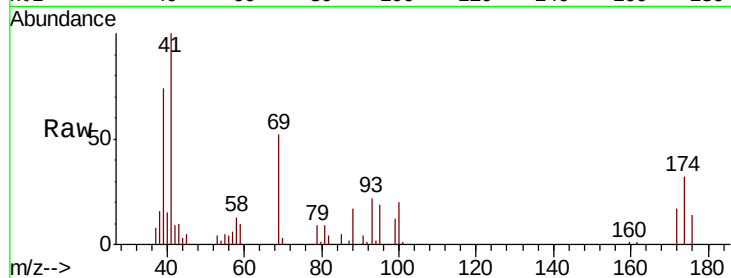
Tot Ion: 88 Resp: 14895

Ion Ratio Lower Upper

88 100

43 59.4 32.2 48.2#

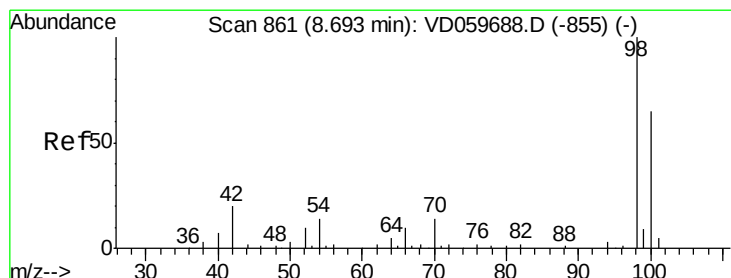
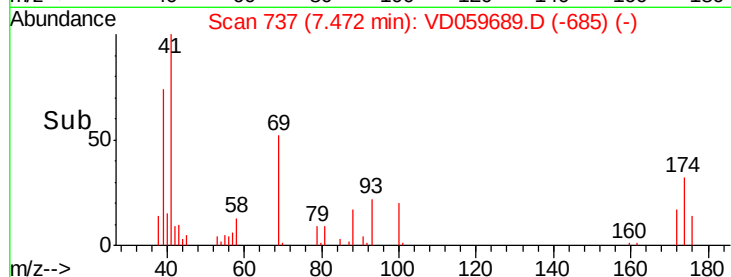
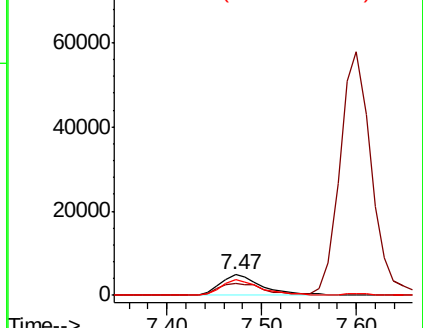
58 75.5 51.5 77.3



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: 1598.78 ug/l

RT: 8.69 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD059689.D

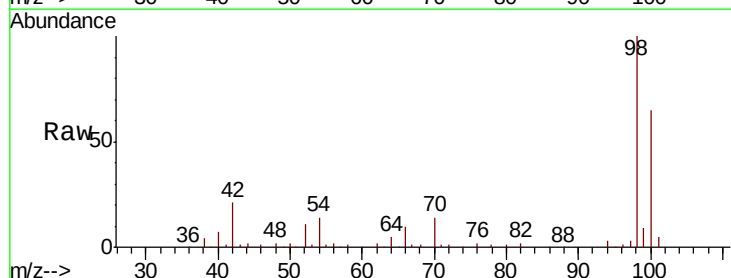
Acq: 6 Aug 2018 12:34

Tgt Ion: 98 Resp: 371568

Ion Ratio Lower Upper

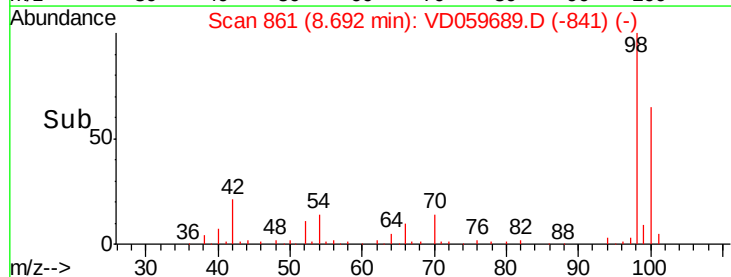
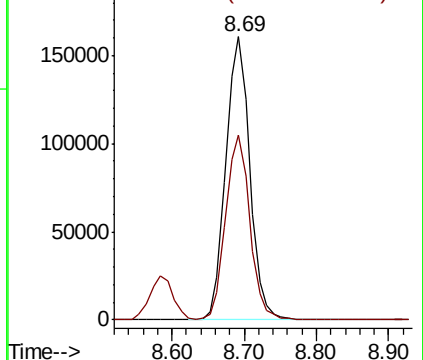
98 100

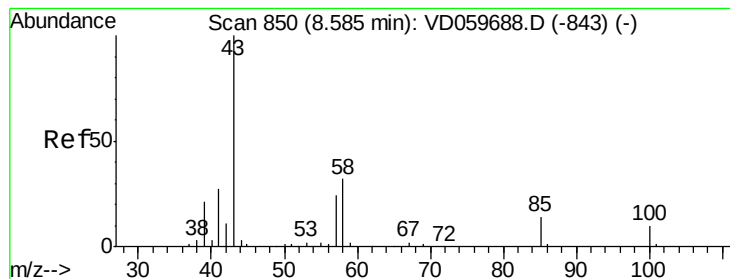
100 65.5 52.5 78.7



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: 391.23 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

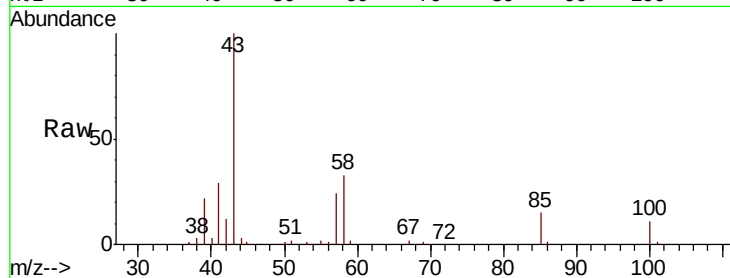
VSTDIC075

Tot Ion: 43 Resp: 515069

Ion Ratio Lower Upper

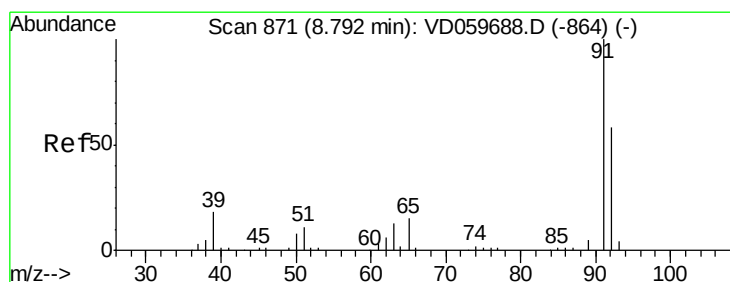
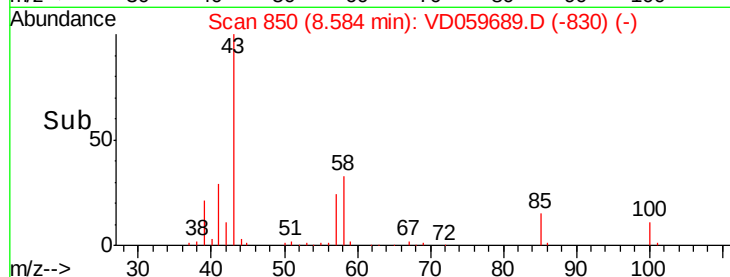
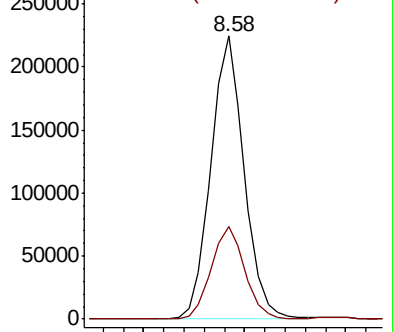
43 100

58 32.5 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 68.74 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059689.D

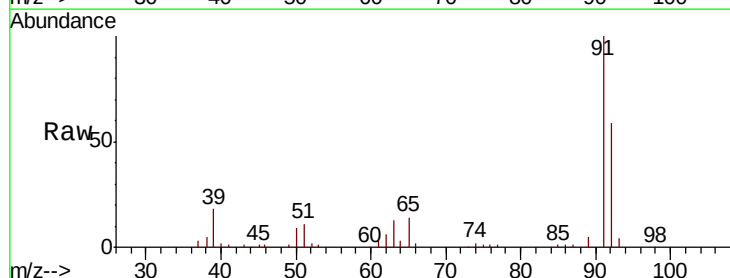
Acq: 6 Aug 2018 12:34

Tgt Ion: 92 Resp: 242182

Ion Ratio Lower Upper

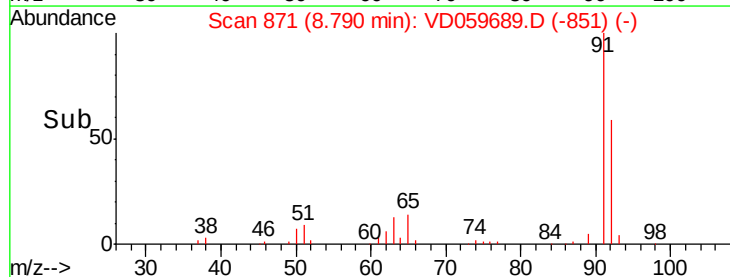
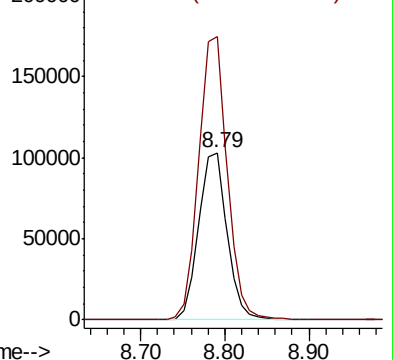
92 100

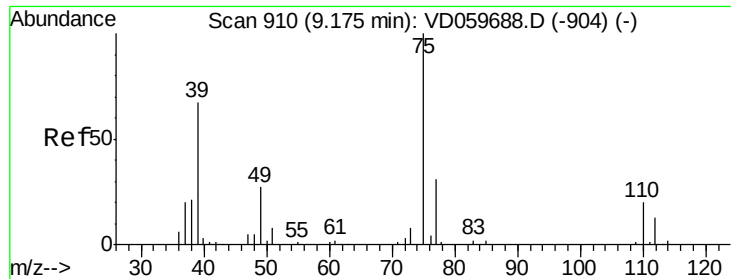
91 169.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

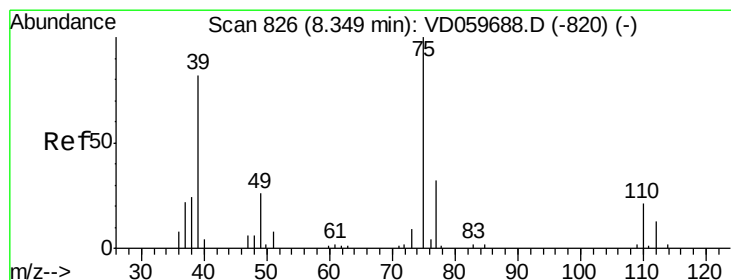
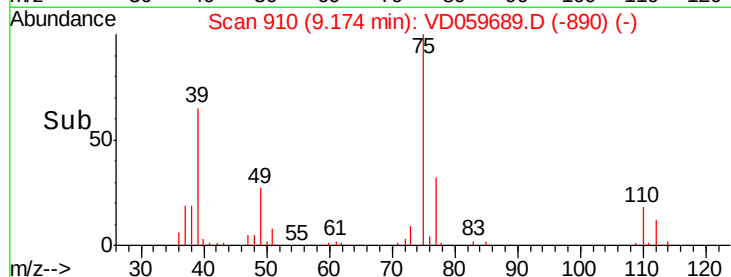
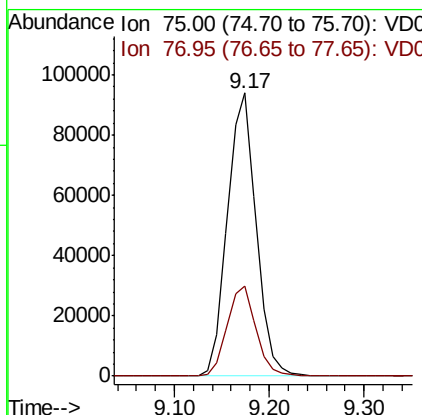
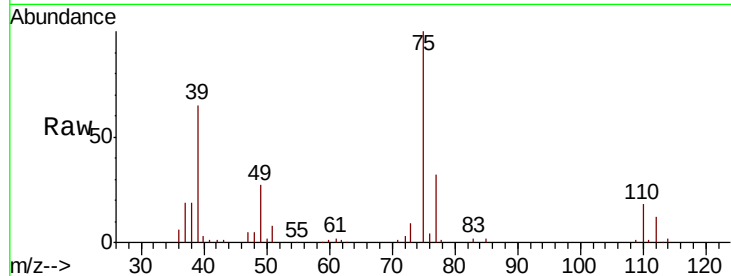




#53
 t-1,3-Dichloropropene
 Concen: 71.36 ug/l
 RT: 9.17 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

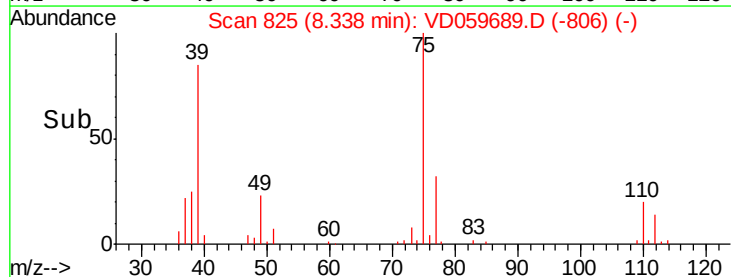
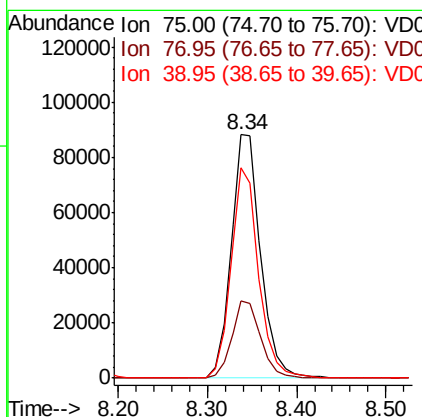
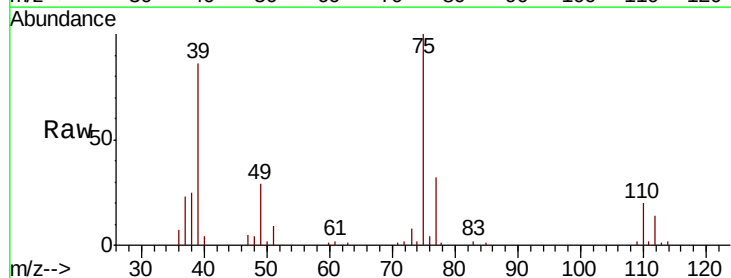
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

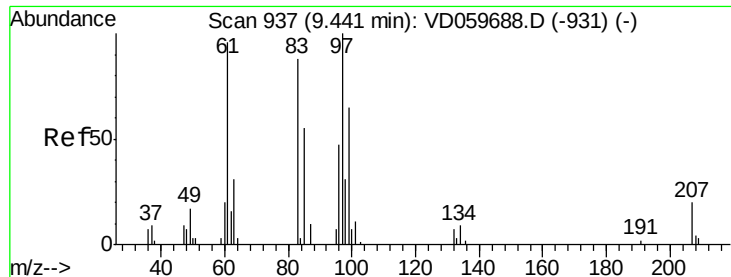
Tot Ion: 75 Resp: 197025
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 72.68 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion: 75 Resp: 202534
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 86.2 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 67.45 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 91123

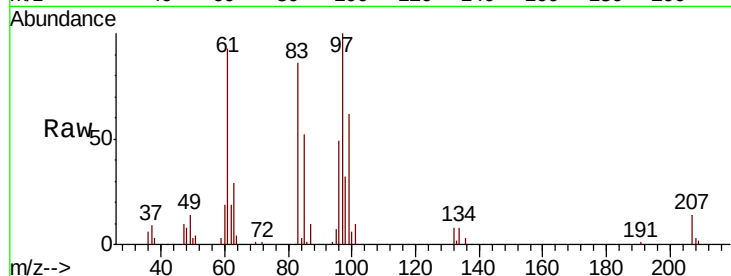
Ion Ratio Lower Upper

97 100

83 86.1 70.8 106.2

85 52.3 44.1 66.1

99 62.1 52.2 78.4

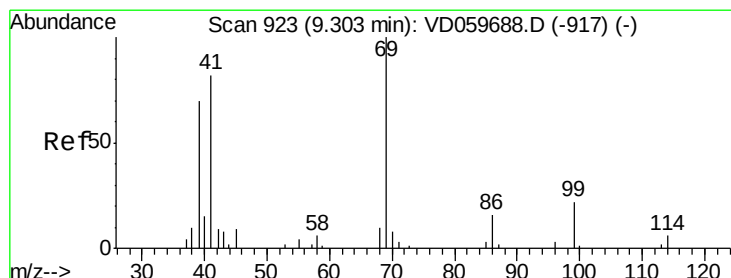
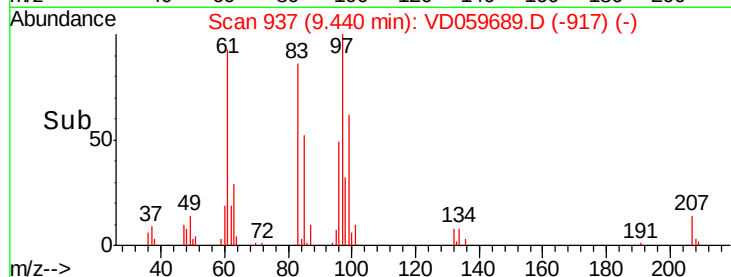
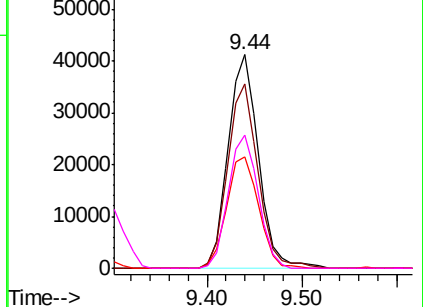


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 70.01 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

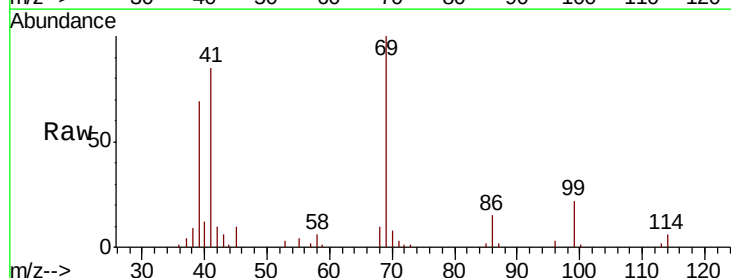
Tgt Ion: 69 Resp: 106956

Ion Ratio Lower Upper

69 100

41 85.2 65.7 98.5

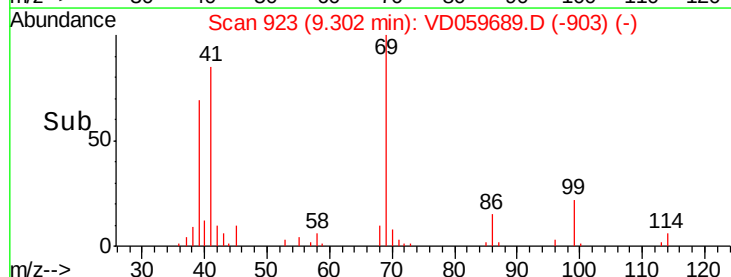
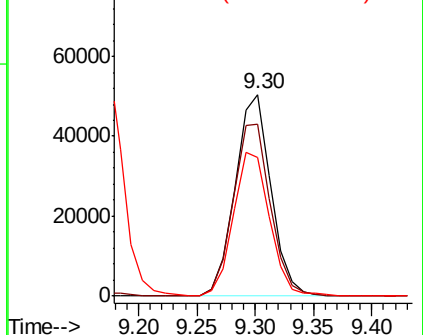
39 68.8 55.8 83.8

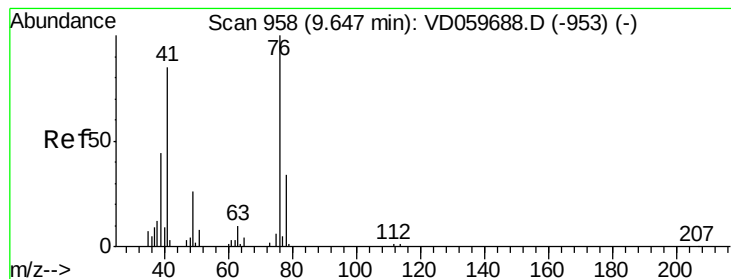


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 69.39 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

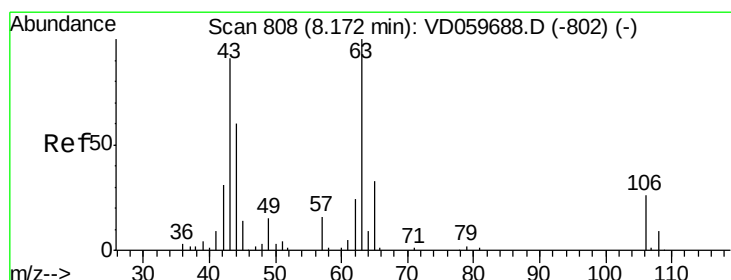
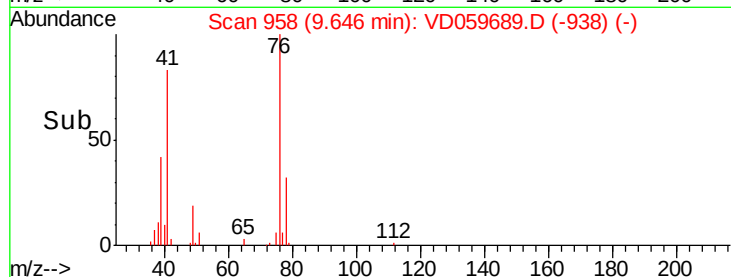
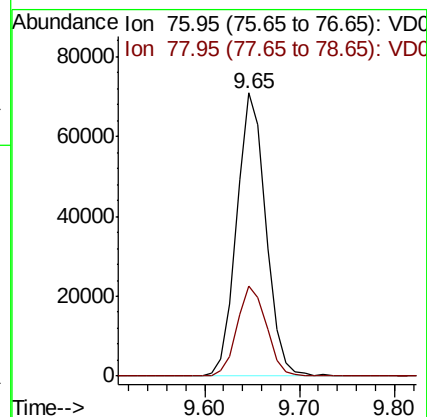
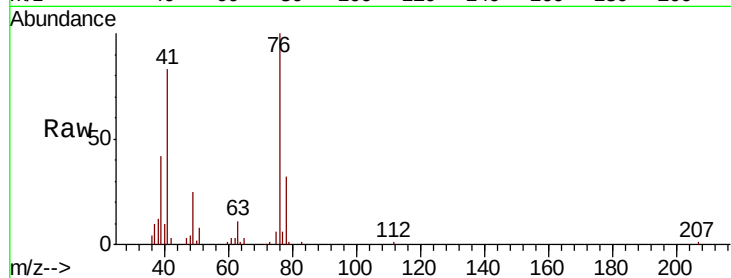
VSTDIC075

Tot Ion: 76 Resp: 150750

Ion Ratio Lower Upper

76 100

78 31.9 27.5 41.3



#58

2-Chloroethyl Vinyl ether

Concen: 344.79 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD059689.D

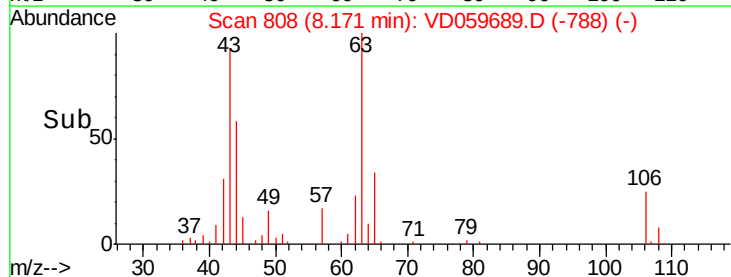
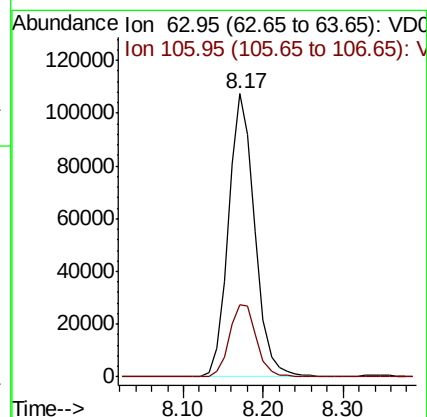
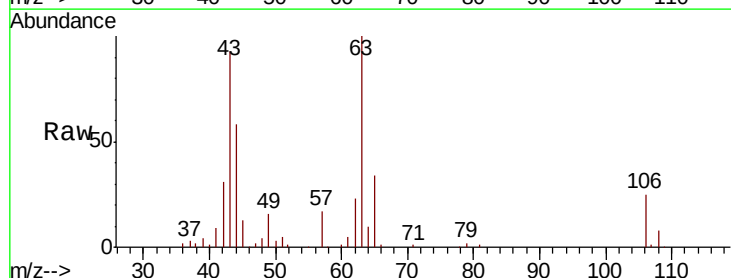
Acq: 6 Aug 2018 12:34

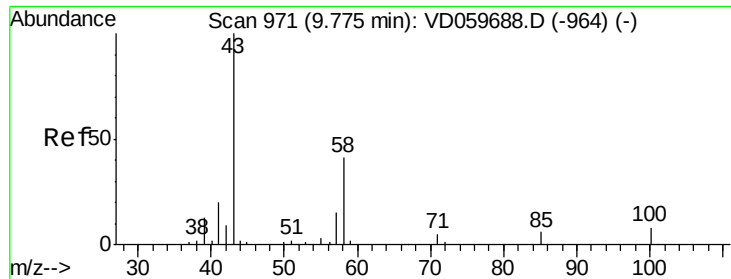
Tgt Ion: 63 Resp: 248613

Ion Ratio Lower Upper

63 100

106 25.3 20.7 31.1

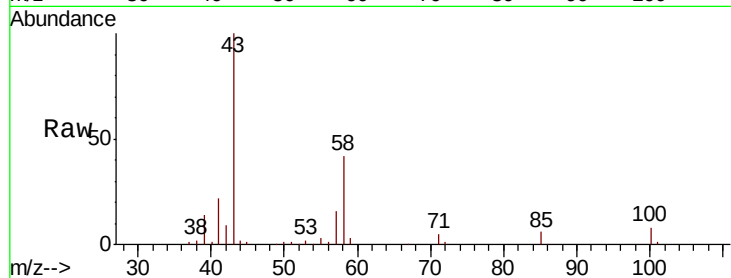




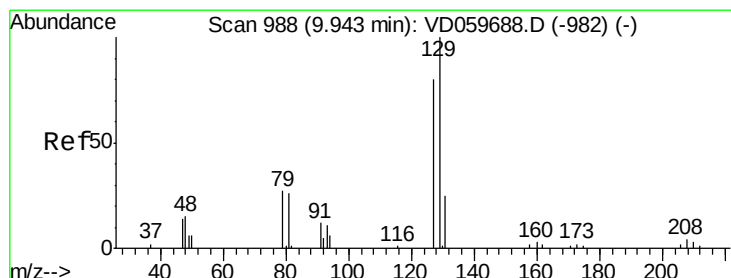
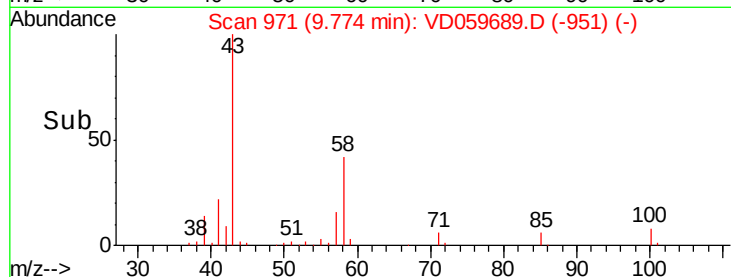
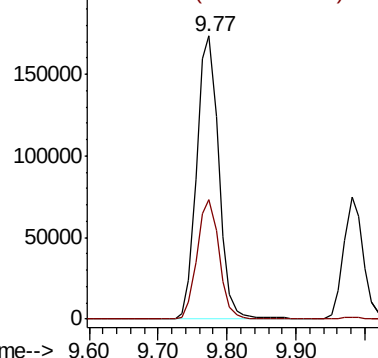
#59
2-Hexanone
Concen: 387.64 ug/l
RT: 9.77 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 386251
Ion Ratio Lower Upper
43 100
58 42.1 20.4 61.3

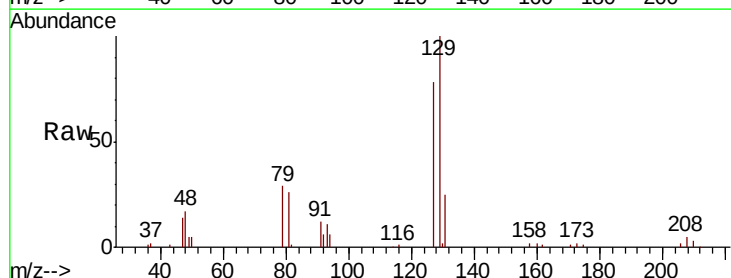


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

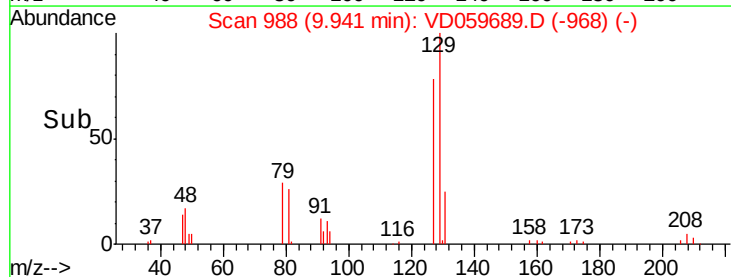
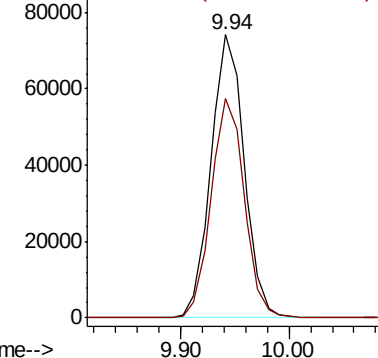


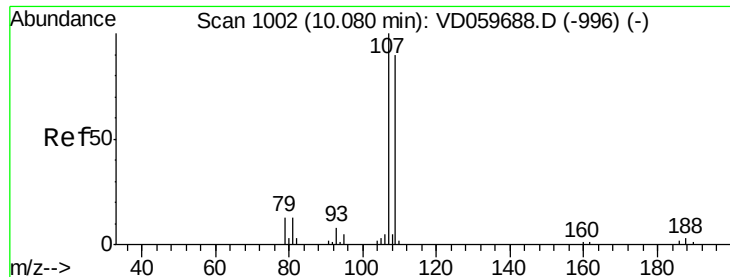
#60
Dibromochloromethane
Concen: 71.85 ug/l
RT: 9.94 min Scan# 988
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion:129 Resp: 157879
Ion Ratio Lower Upper
129 100
127 77.7 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 71.99 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

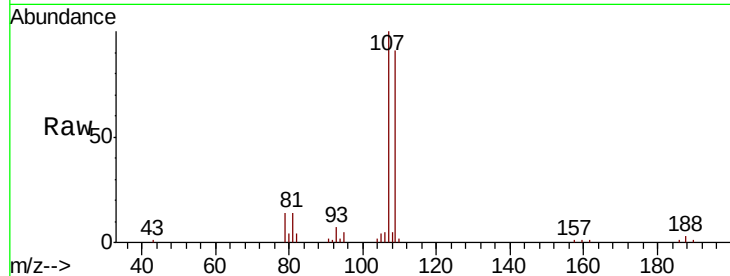
VSTDIC075

Tot Ion:107 Resp: 114577

Ion Ratio Lower Upper

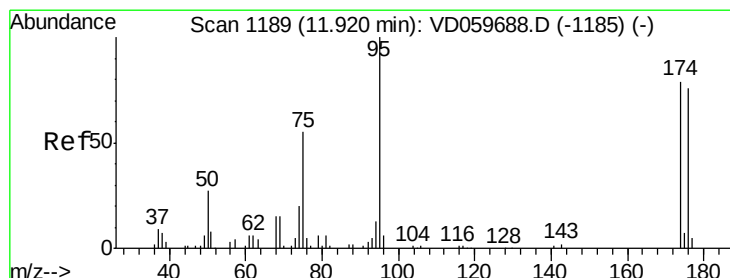
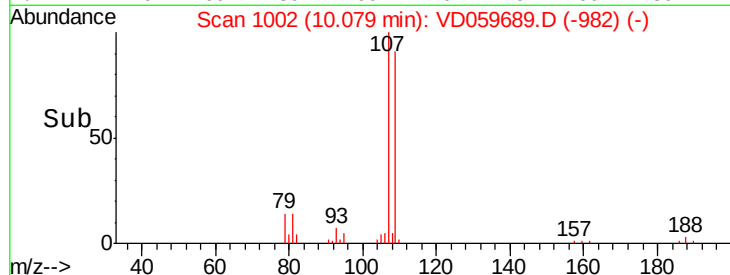
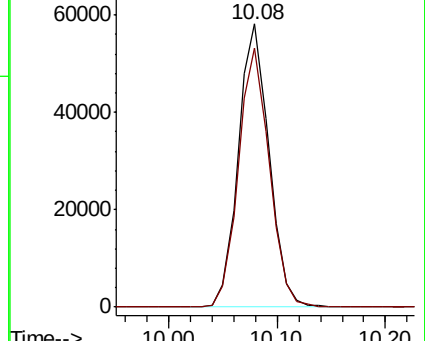
107 100

109 91.4 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 71.99 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

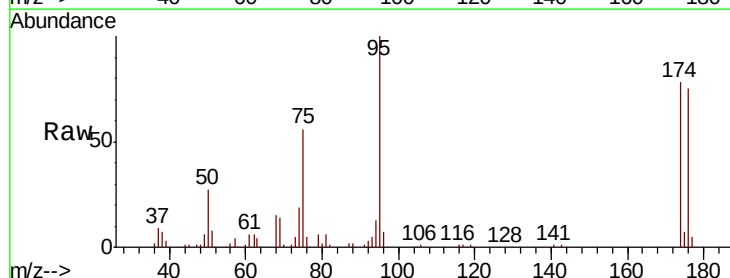
Tgt Ion: 95 Resp: 167495

Ion Ratio Lower Upper

95 100

174 78.1 0.0 158.4

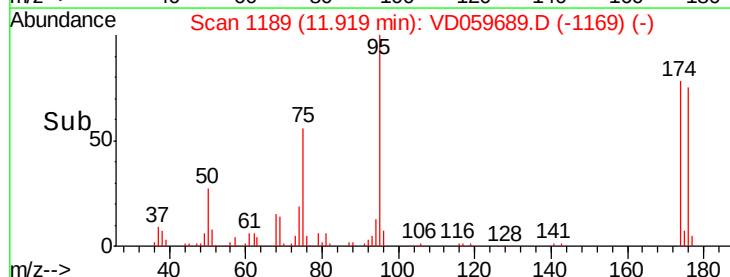
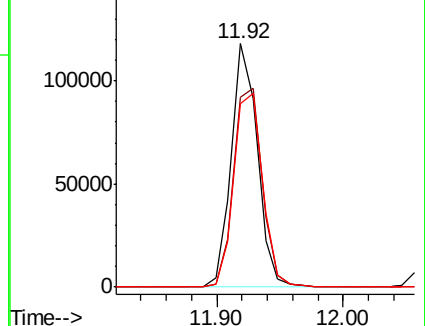
176 75.2 0.0 153.0

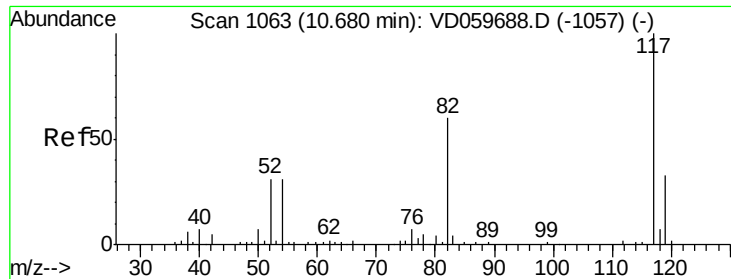


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

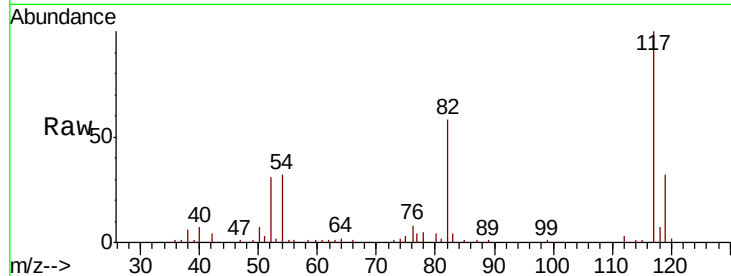




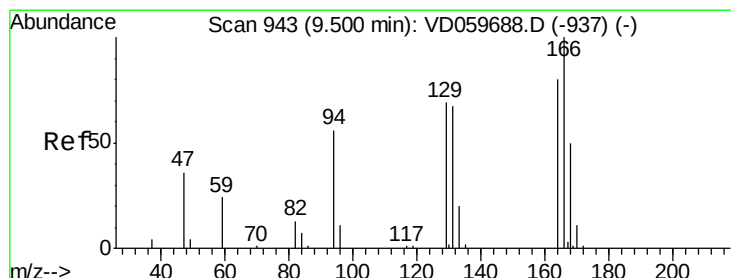
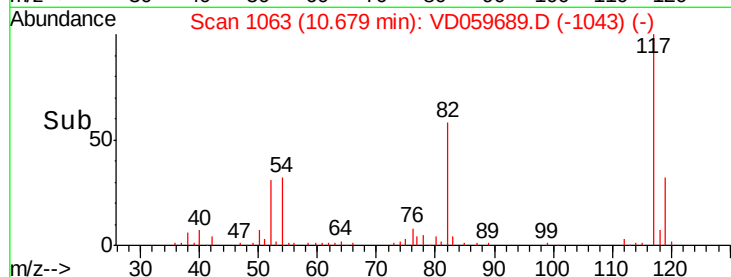
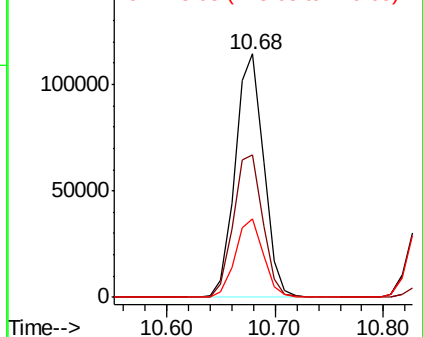
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:117 Resp: 209166
Ion Ratio Lower Upper
117 100
82 58.3 47.7 71.5
119 32.1 26.6 40.0

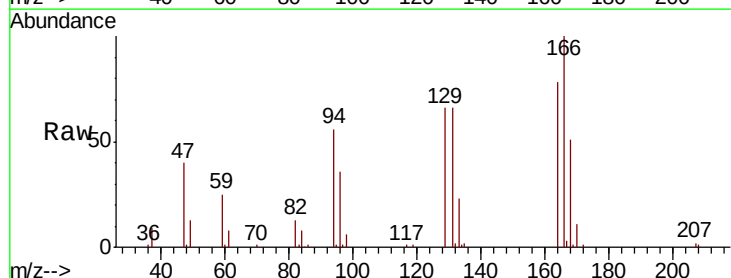


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

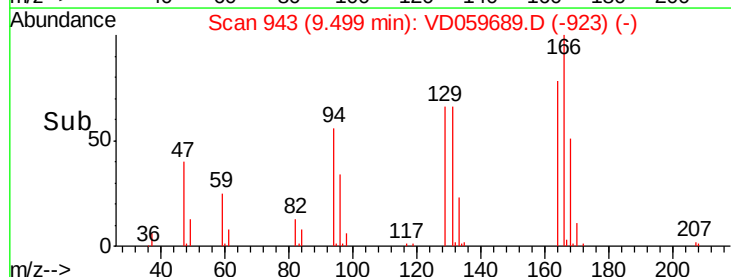
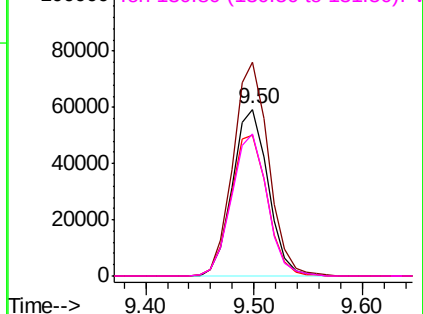


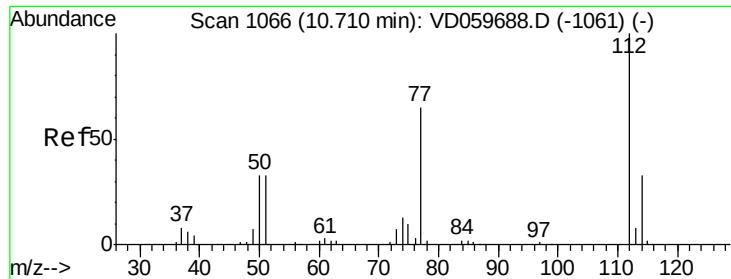
#64
Tetrachloroethene
Concen: 69.51 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion:164 Resp: 135338
Ion Ratio Lower Upper
164 100
166 128.3 100.5 150.7
129 84.4 69.3 103.9
131 85.3 67.3 100.9



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

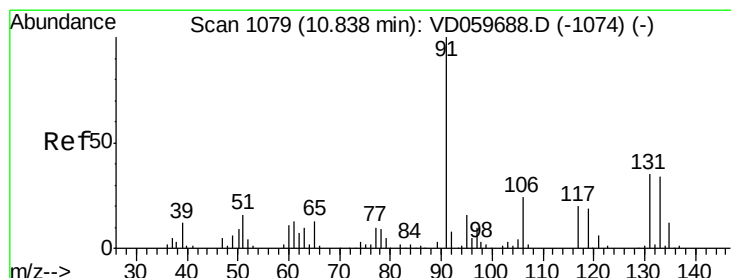
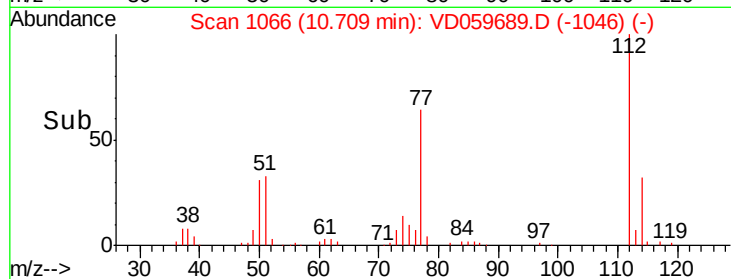
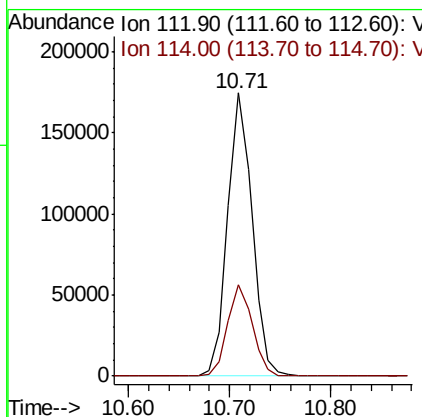
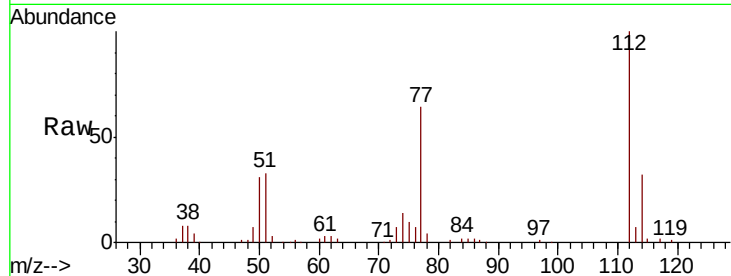




#65
Chlorobenzene
Concen: 69.61 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

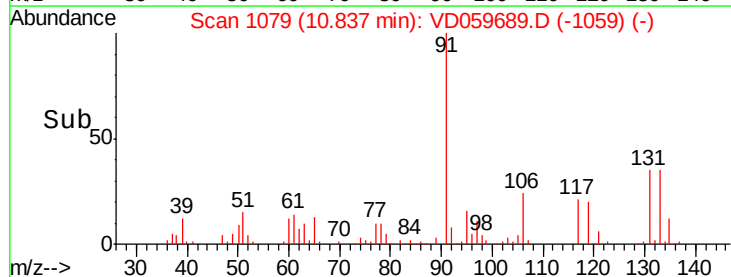
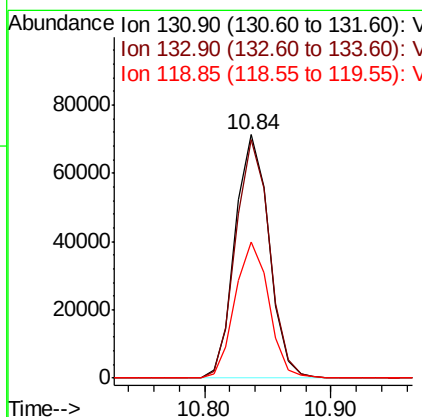
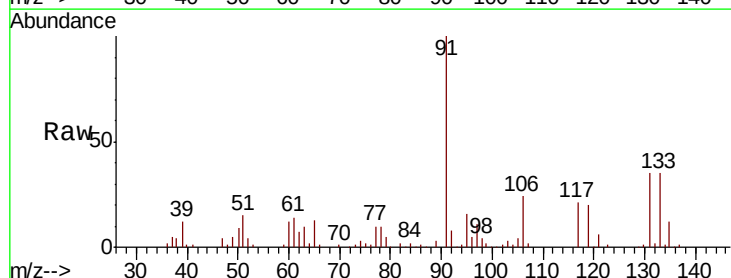
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

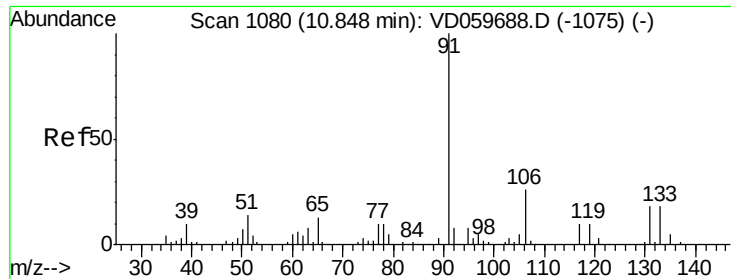
Tot Ion:112 Resp: 295549
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 69.37 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion:131 Resp: 132386
Ion Ratio Lower Upper
131 100
133 97.8 49.7 149.1
119 56.1 27.0 80.8

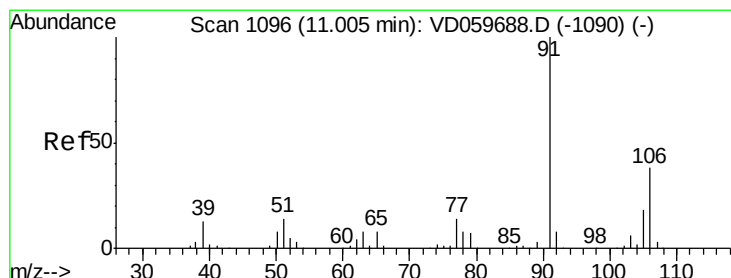
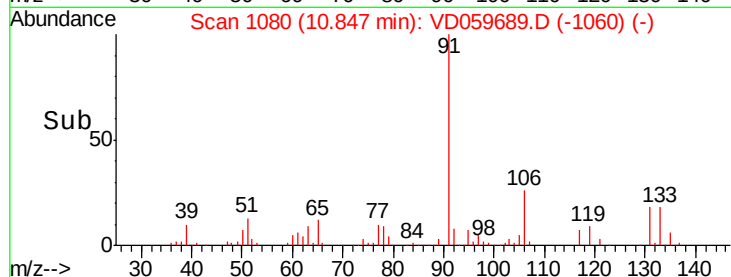
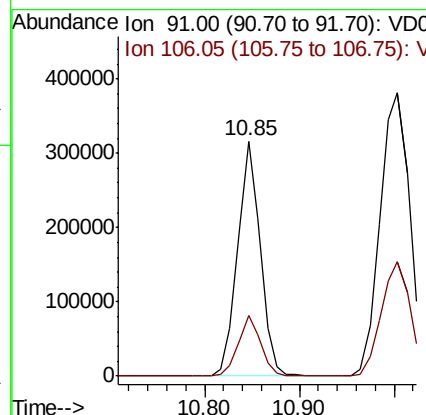
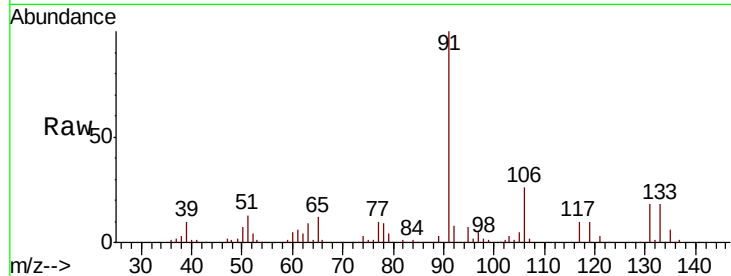




#67
Ethyl Benzene
Concen: 66.84 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

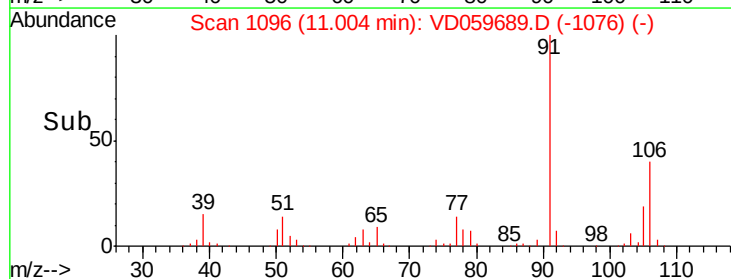
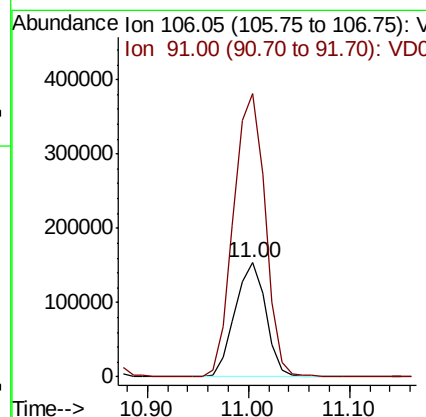
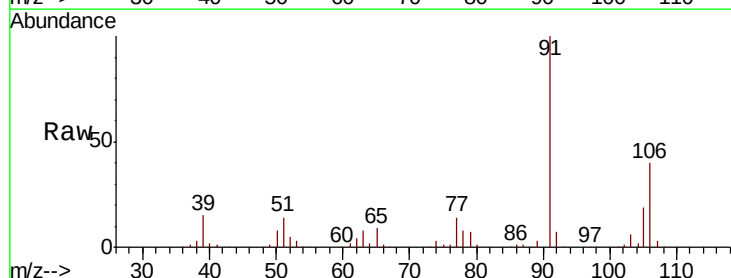
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

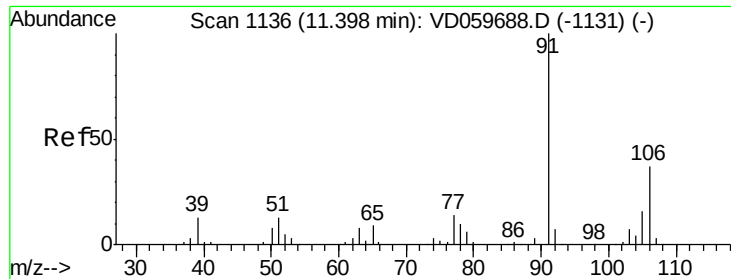
Tot Ion: 91 Resp: 524540
Ion Ratio Lower Upper
91 100
106 25.6 20.9 31.3



#68
m/p-Xylenes
Concen: 131.31 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion: 106 Resp: 326999
Ion Ratio Lower Upper
106 100
91 247.7 209.7 314.5

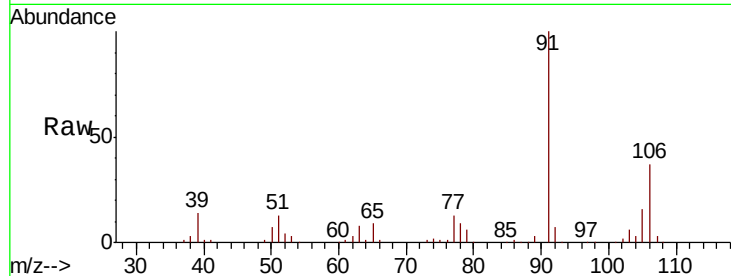




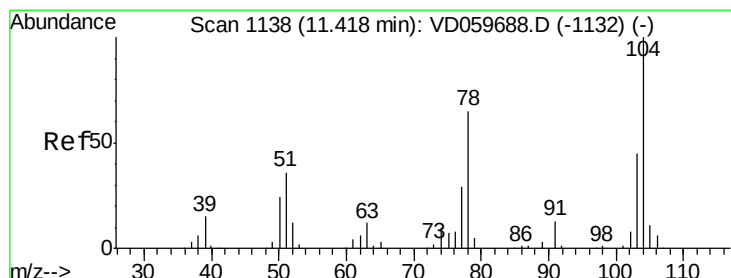
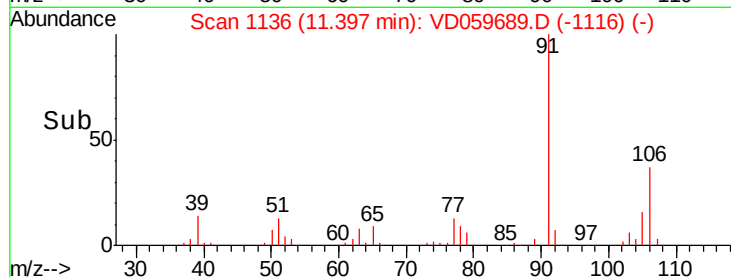
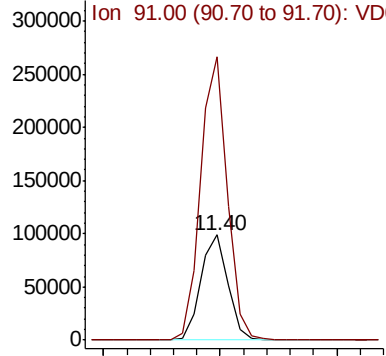
#69
o-Xylene
Concen: 65.16 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 159096
Ion Ratio Lower Upper
106 100
91 268.6 135.2 405.6

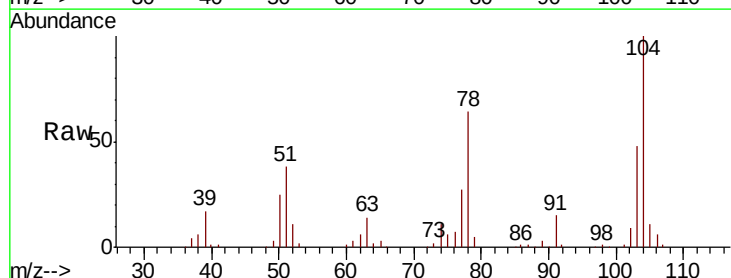


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

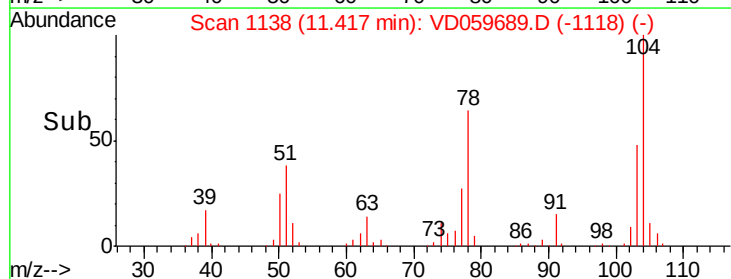
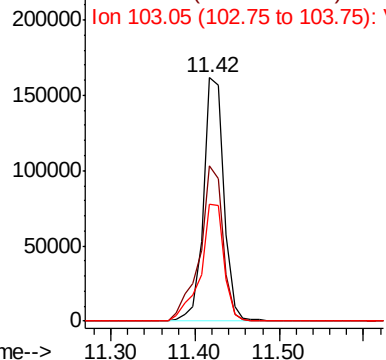


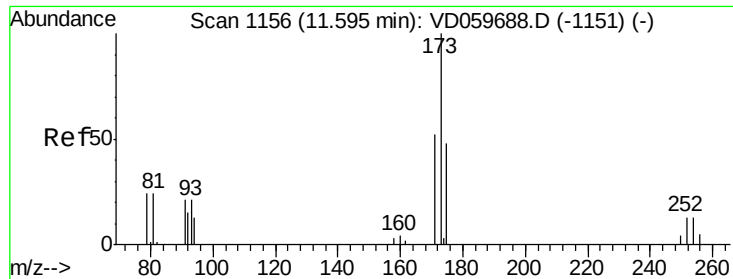
#70
Styrene
Concen: 66.84 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion:104 Resp: 270033
Ion Ratio Lower Upper
104 100
78 64.0 51.9 77.9
103 47.9 36.2 54.4



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

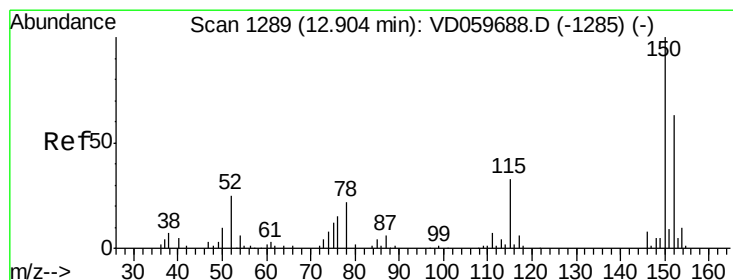
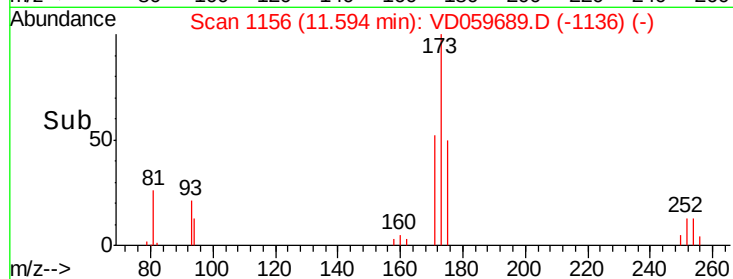
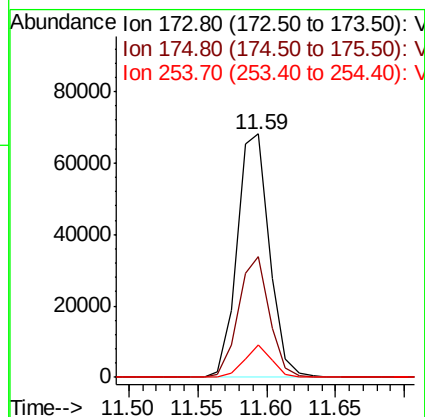
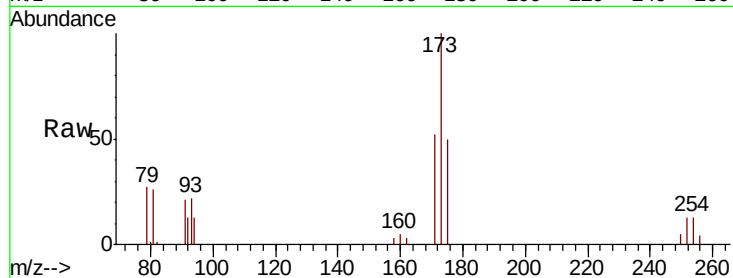




#71
Bromoform
Concen: 77.12 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

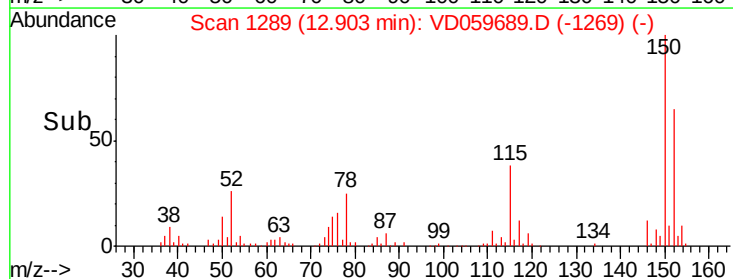
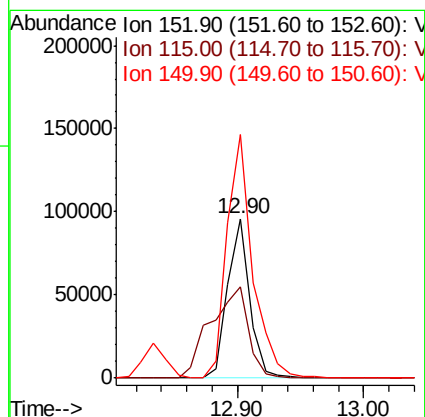
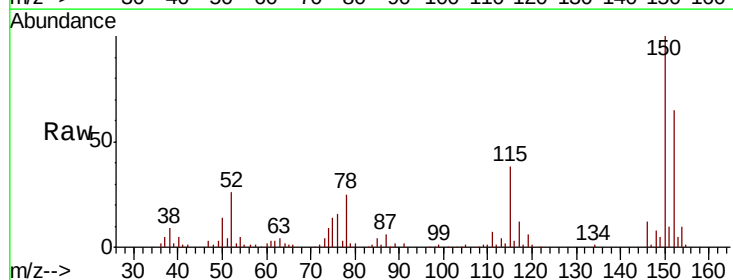
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

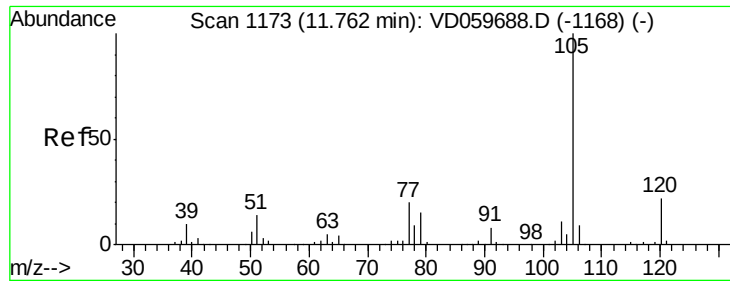
Tot Ion:173 Resp: 111271
Ion Ratio Lower Upper
173 100
175 49.6 24.1 72.4
254 13.1 10.6 16.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion:152 Resp: 115564
Ion Ratio Lower Upper
152 100
115 57.4 28.8 86.4
150 152.7 0.0 318.0





#73

Isopropylbenzene

Concen: 65.15 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

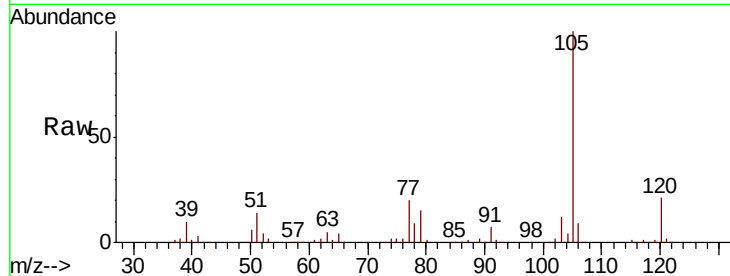
VSTDIC075

Tot Ion:105 Resp: 510008

Ion Ratio Lower Upper

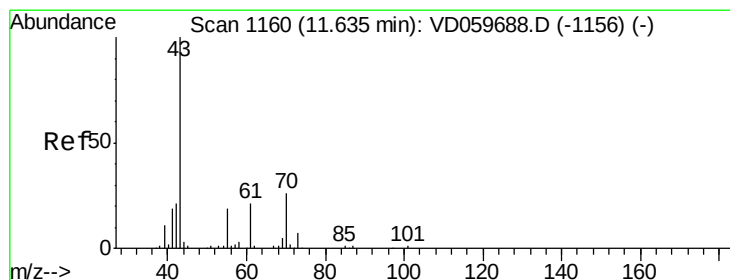
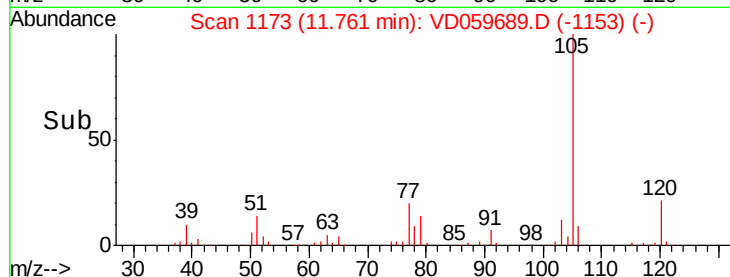
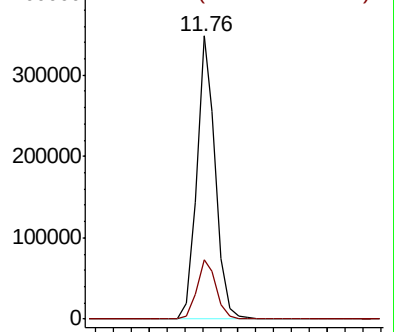
105 100

120 21.2 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 70.01 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Tgt Ion: 43 Resp: 171402

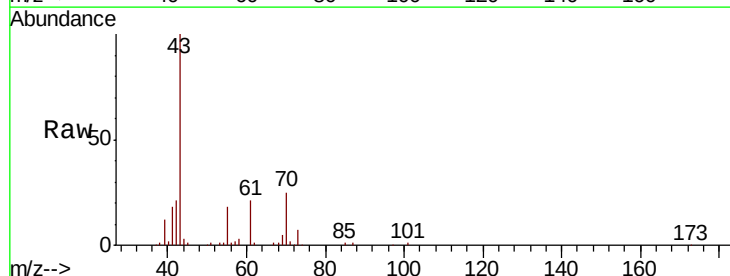
Ion Ratio Lower Upper

43 100

70 24.8 21.0 31.6

55 17.7 15.4 23.2

61 21.4 16.8 25.2

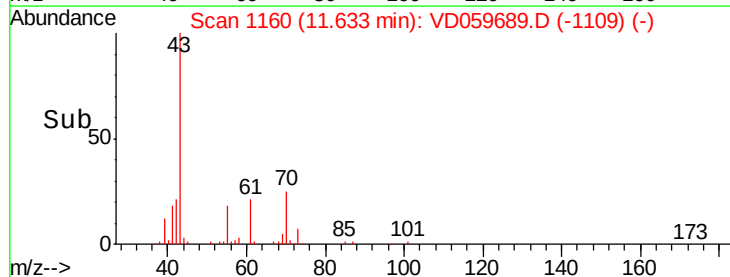
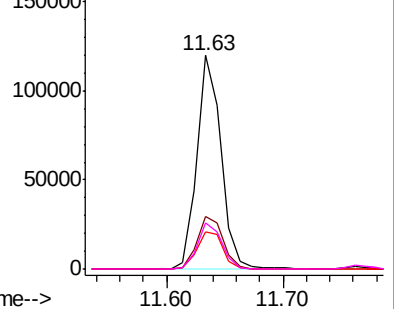


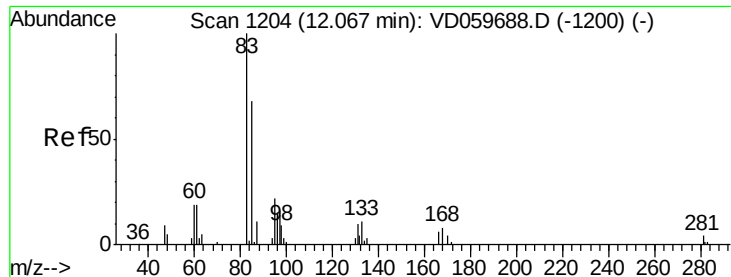
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 70.02 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

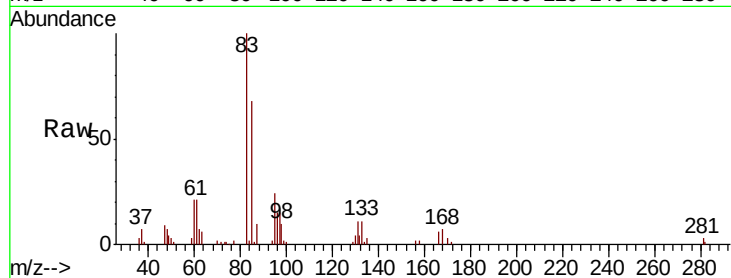
Tot Ion: 83 Resp: 106620

Ion Ratio Lower Upper

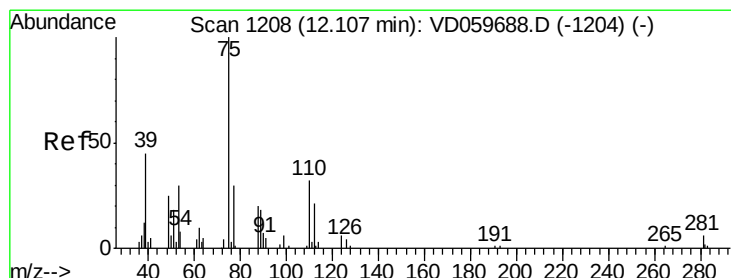
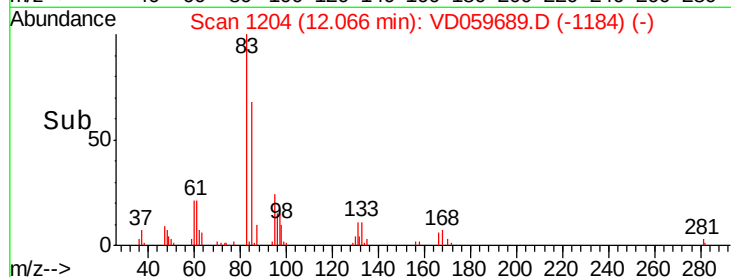
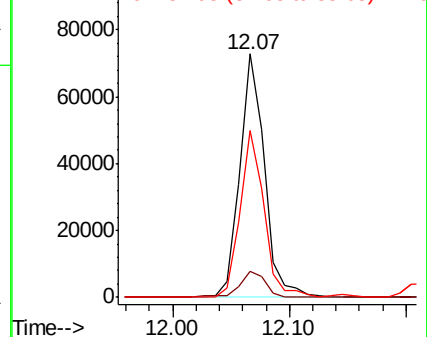
83 100

131 10.8 5.3 15.9

85 68.3 34.1 102.2



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



#76

1,2,3-Trichloropropane

Concen: 68.80 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059689.D

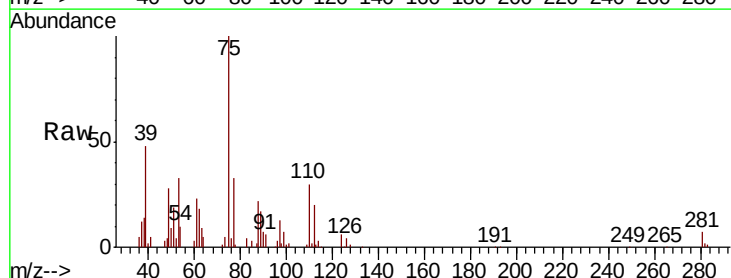
Acq: 6 Aug 2018 12:34

Tgt Ion: 75 Resp: 123439

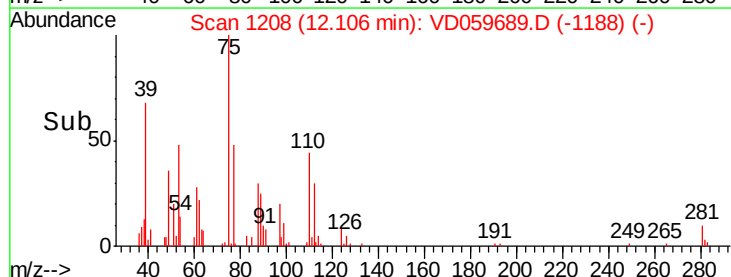
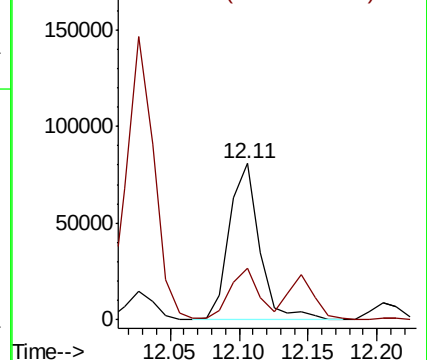
Ion Ratio Lower Upper

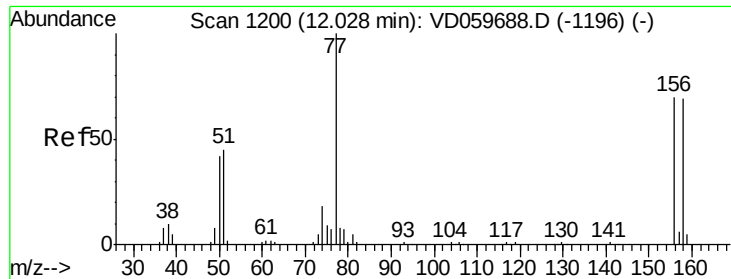
75 100

77 33.4 15.5 46.5



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





#77

Bromobenzene

Concen: 68.02 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

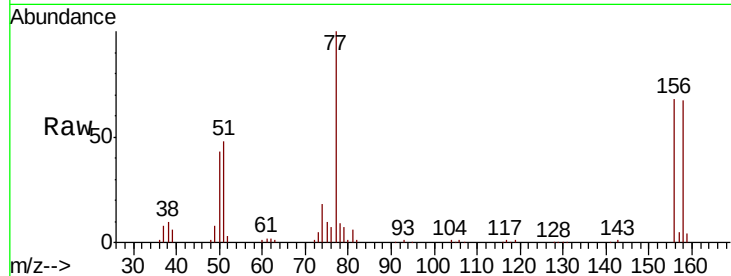
Tot Ion:156 Resp: 152774

Ion Ratio Lower Upper

156 100

77 147.7 71.2 213.6

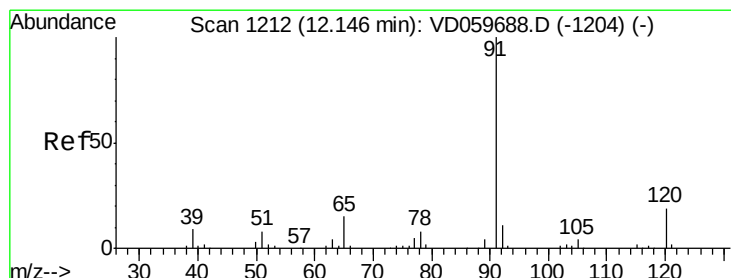
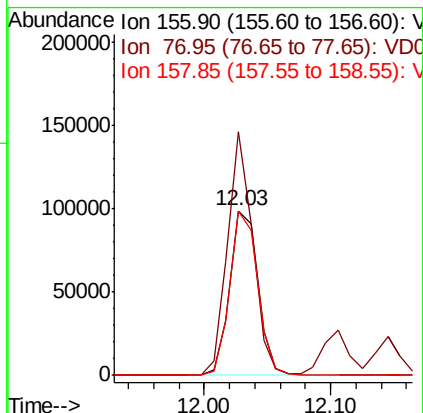
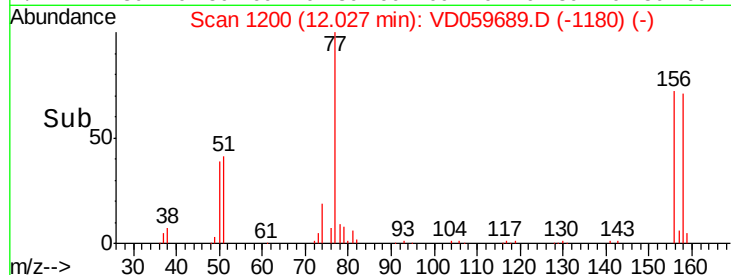
158 99.4 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 64.83 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059689.D

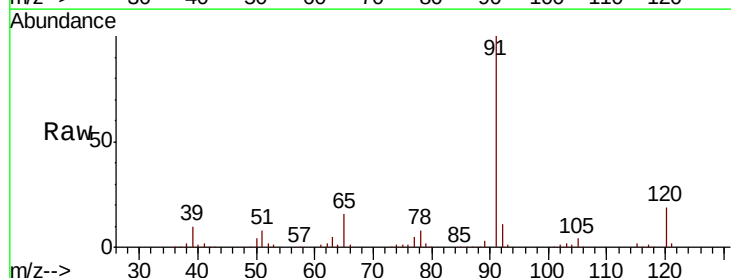
Acq: 6 Aug 2018 12:34

Tgt Ion: 91 Resp: 627736

Ion Ratio Lower Upper

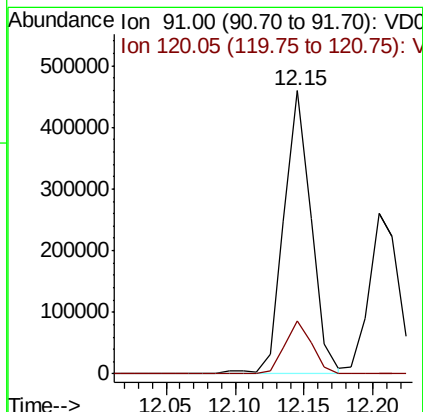
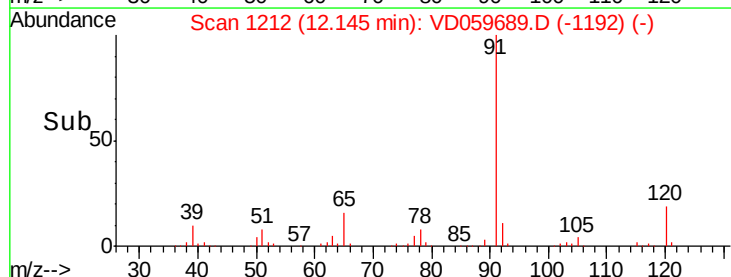
91 100

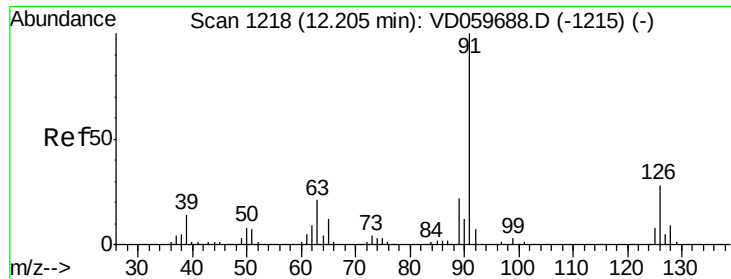
120 18.6 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

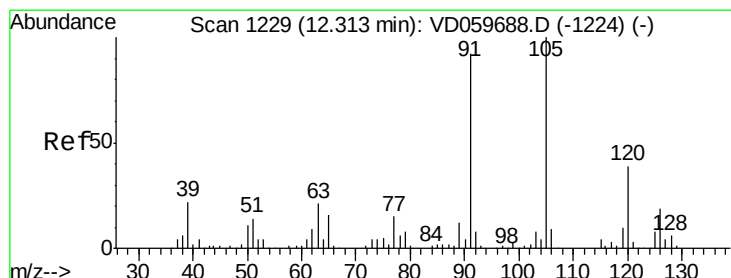
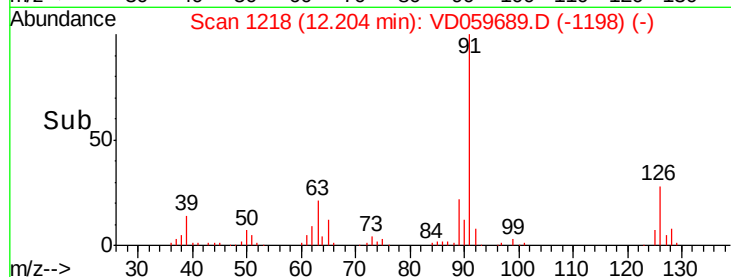
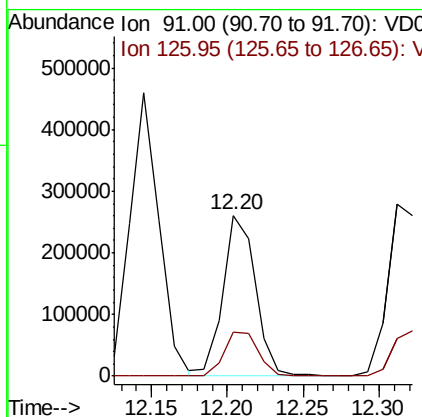
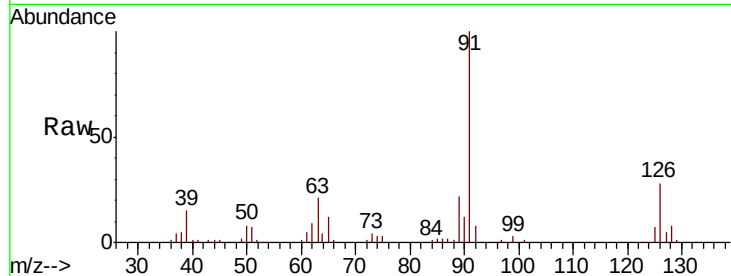




#79
 2-Chlorotoluene
 Concen: 66.37 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

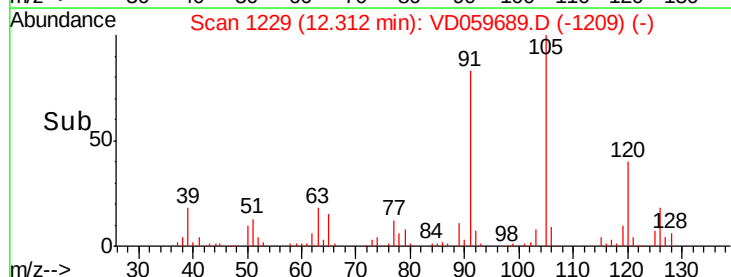
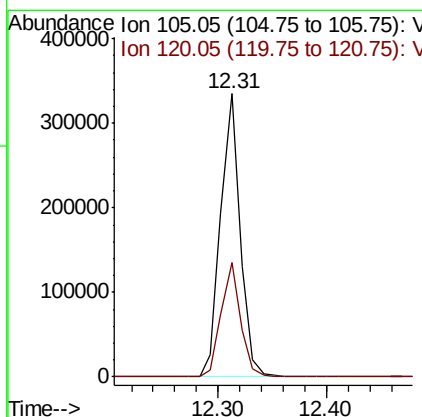
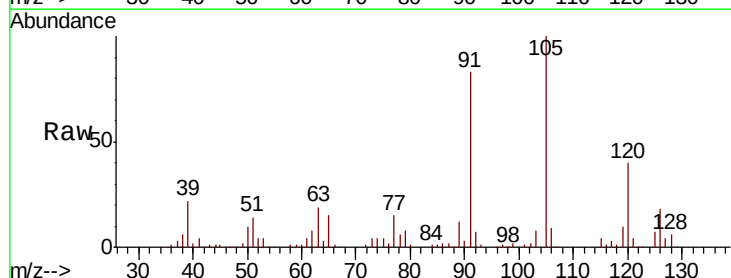
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

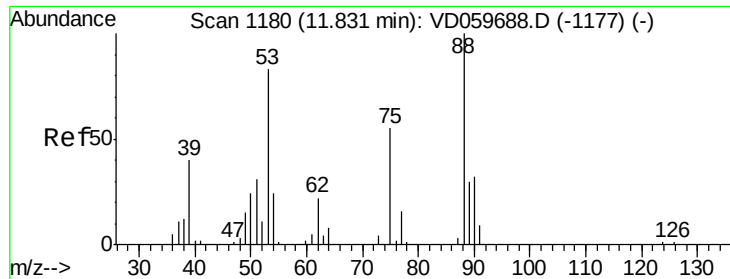
Tot Ion: 91 Resp: 387155
 Ion Ratio Lower Upper
 91 100
 126 27.5 13.7 41.0



#80
 1,3,5-Trimethylbenzene
 Concen: 65.23 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion: 105 Resp: 419769
 Ion Ratio Lower Upper
 105 100
 120 40.3 19.7 59.1





#81

trans-1,4-Dichloro-2-butene

Concen: 74.49 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

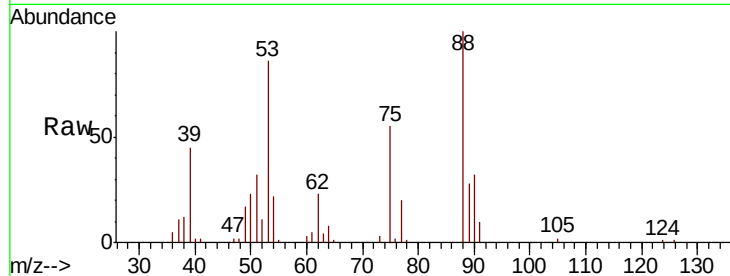
Tot Ion: 75 Resp: 33359

Ion Ratio Lower Upper

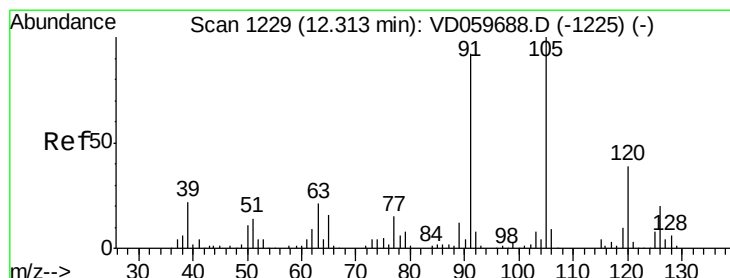
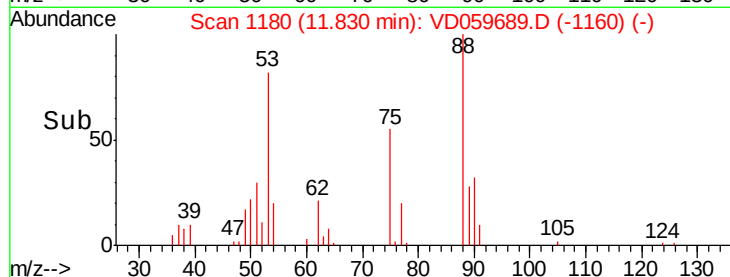
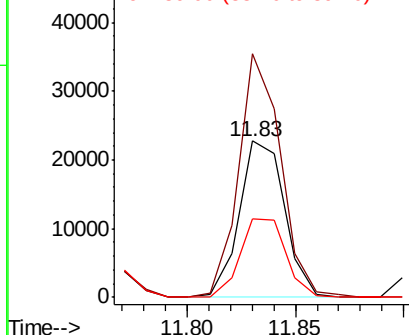
75 100

53 156.0 120.5 180.7

89 50.6 44.4 66.6



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: 62.73 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059689.D

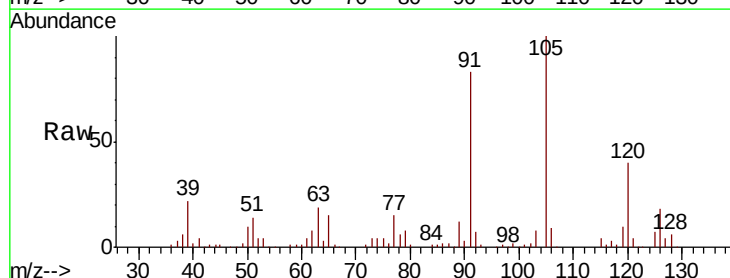
Acq: 6 Aug 2018 12:34

Tgt Ion: 91 Resp: 427761

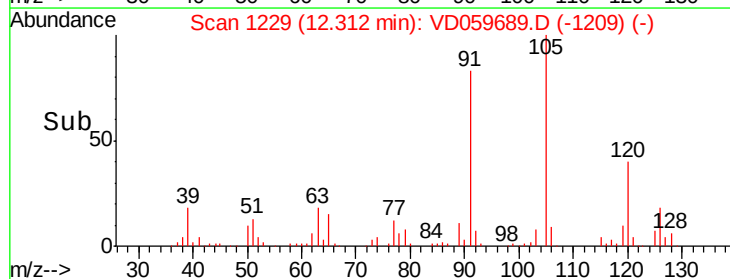
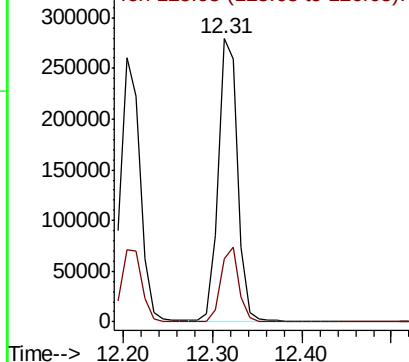
Ion Ratio Lower Upper

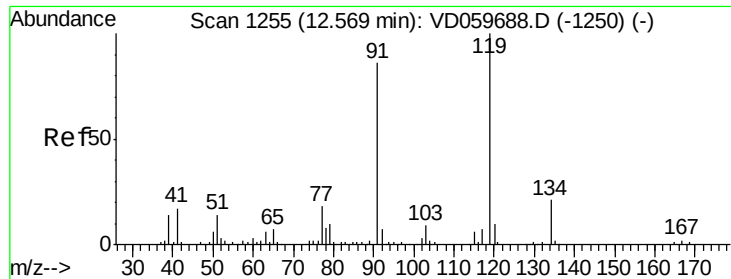
91 100

126 22.2 10.7 31.9



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

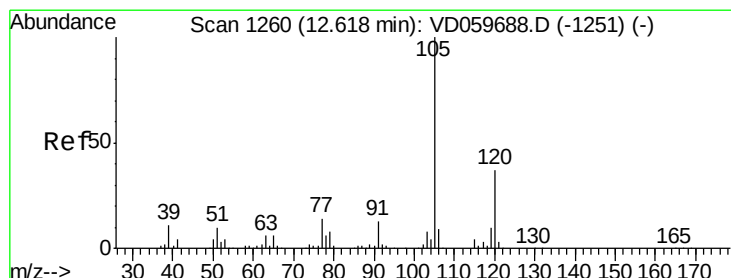
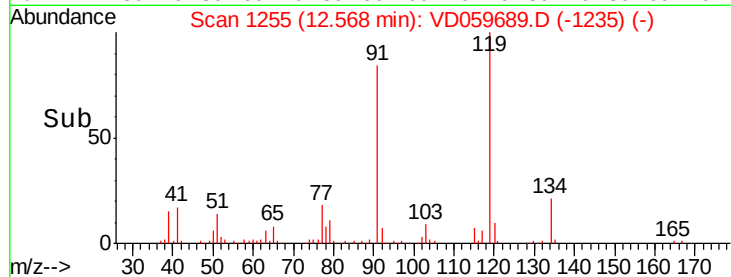
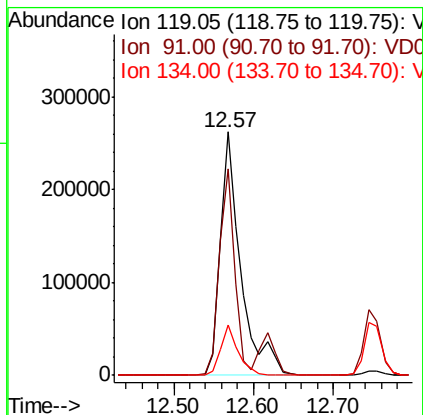
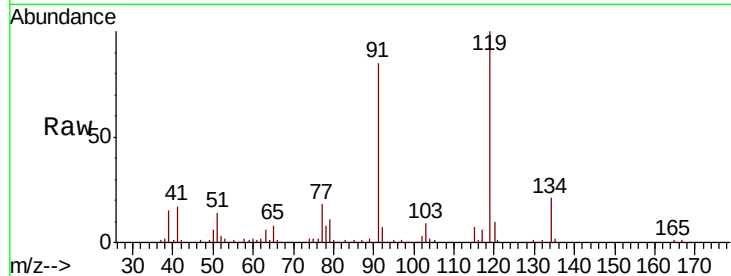




#83
 tert-Butylbenzene
 Concen: 65.41 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

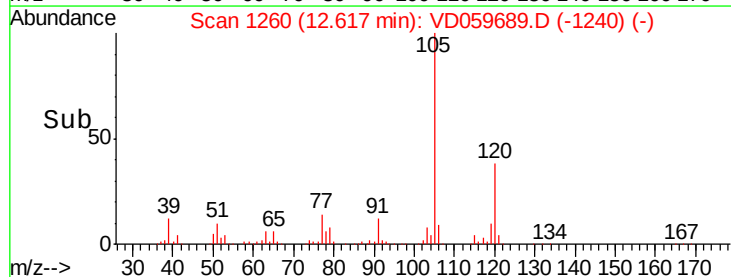
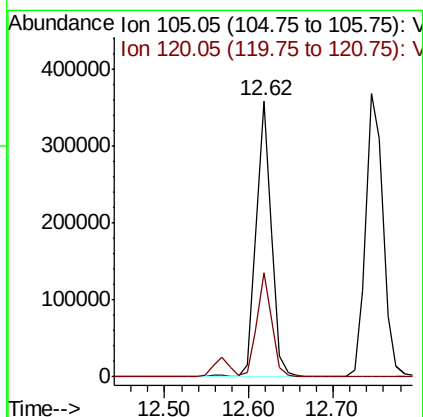
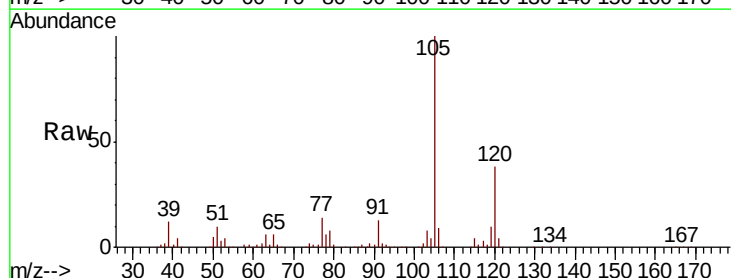
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

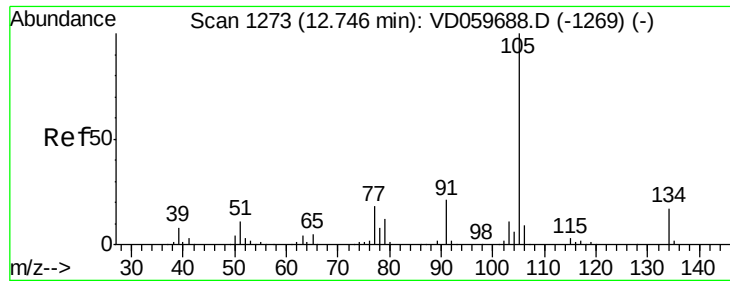
Tot Ion:119 Resp: 475537
 Ion Ratio Lower Upper
 119 100
 91 84.9 43.3 129.9
 134 20.7 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 67.53 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion:105 Resp: 460550
 Ion Ratio Lower Upper
 105 100
 120 37.6 18.7 56.1





#85

sec-Butylbenzene

Concen: 65.98 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

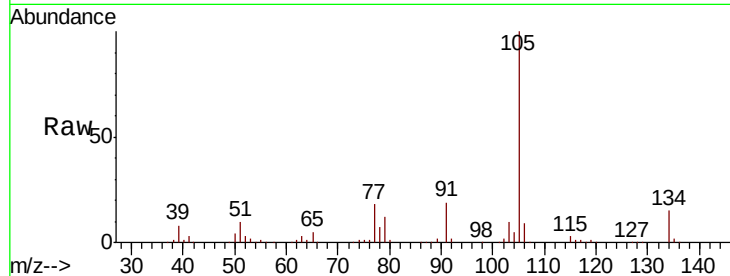
VSTDIC075

Tot Ion:105 Resp: 529401

Ion Ratio Lower Upper

105 100

134 15.4 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.75

400000

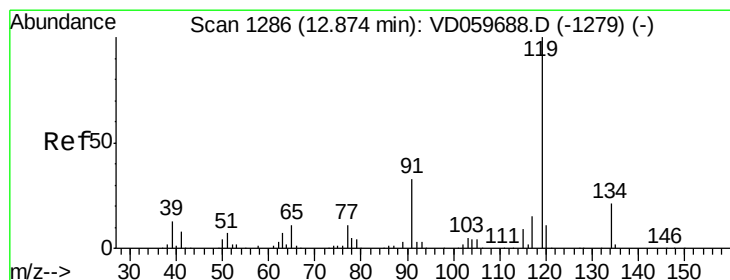
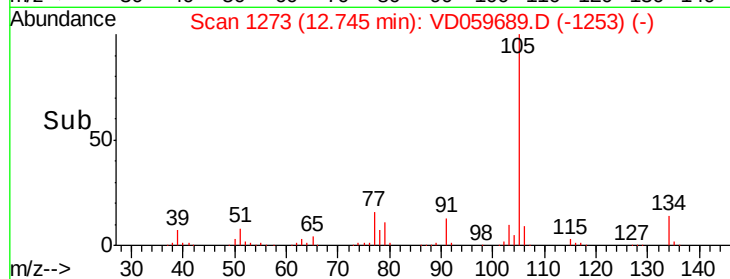
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 67.47 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

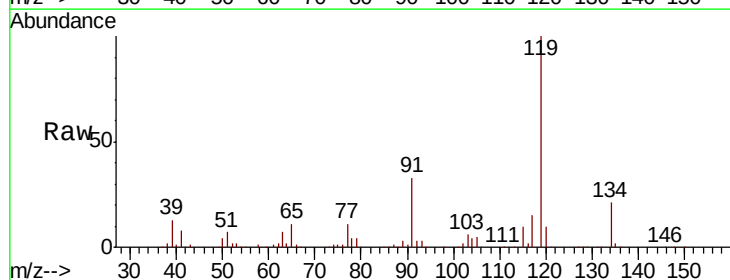
Tgt Ion:119 Resp: 468923

Ion Ratio Lower Upper

119 100

134 21.0 10.7 32.1

91 32.6 16.6 49.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.87

400000

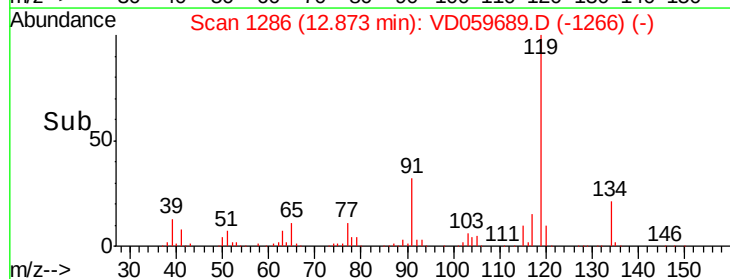
300000

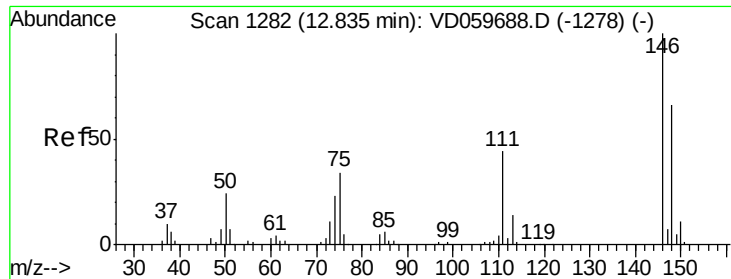
200000

100000

0

Time-->

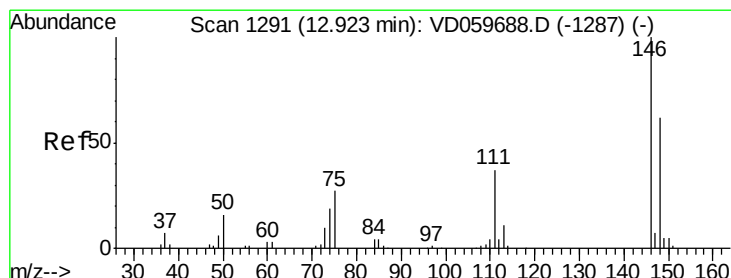
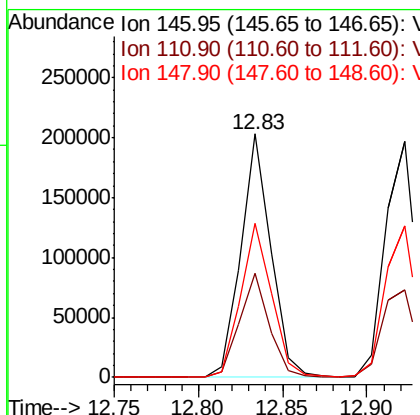
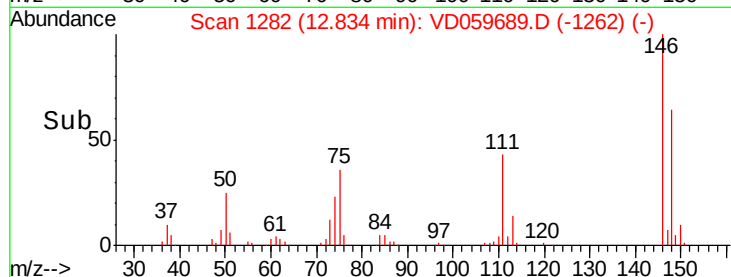
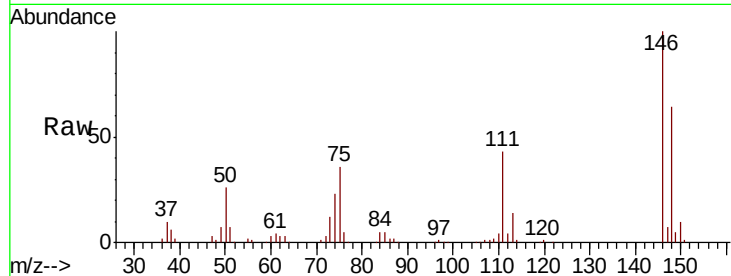




#87
 1,3-Dichlorobenzene
 Concen: 63.90 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

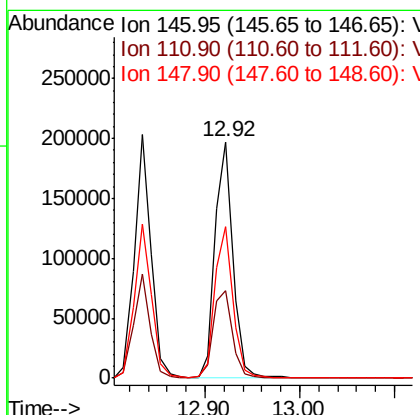
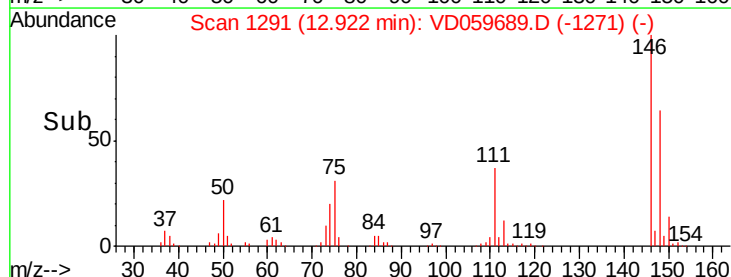
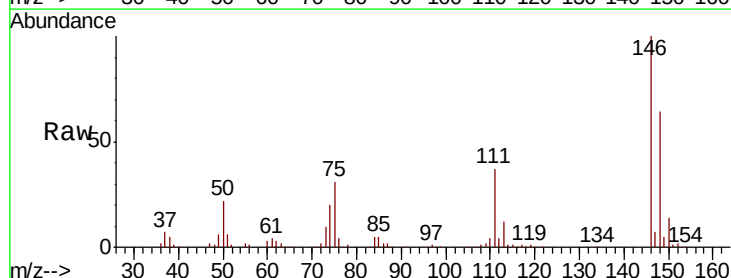
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

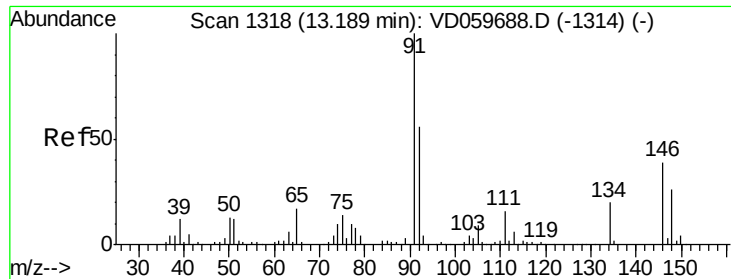
Tot Ion:146 Resp: 251371
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.8 65.4
 148 63.5 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 65.88 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion:146 Resp: 260226
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 64.0 31.2 93.6

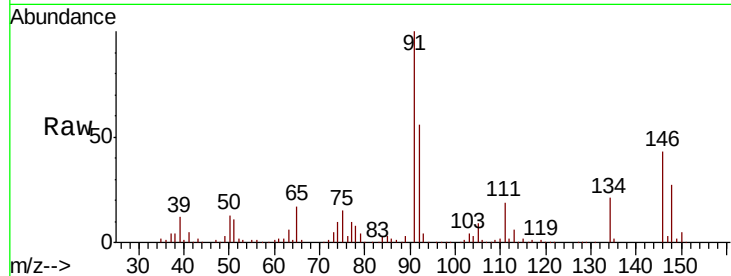




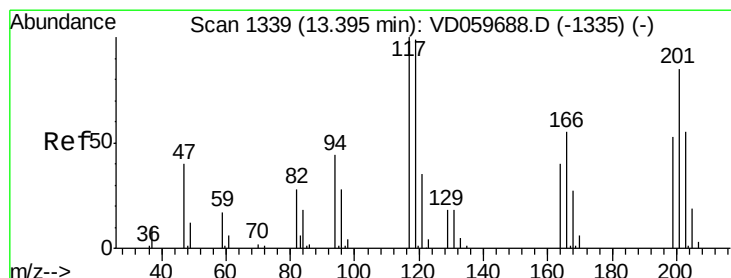
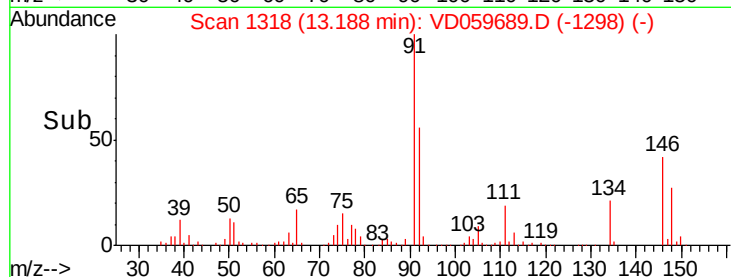
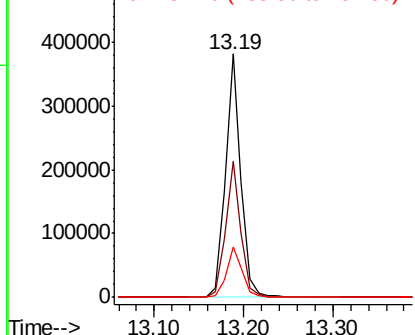
#89
n-Butylbenzene
Concen: 67.86 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 91 Resp: 465245
Ion Ratio Lower Upper
91 100
92 56.2 28.2 84.6
134 20.6 9.8 29.5

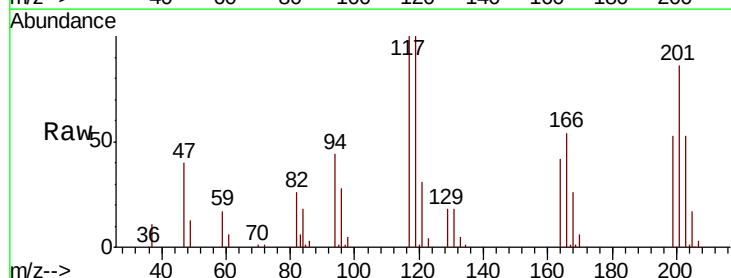


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

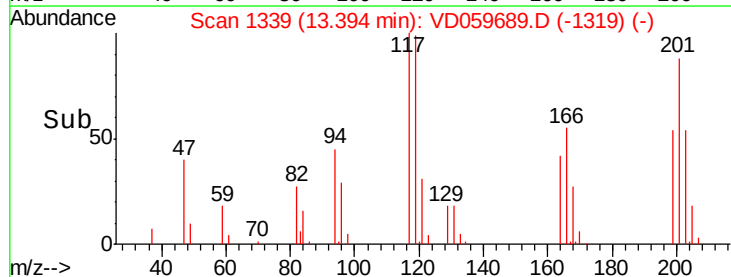
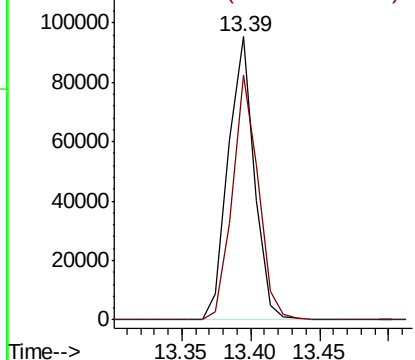


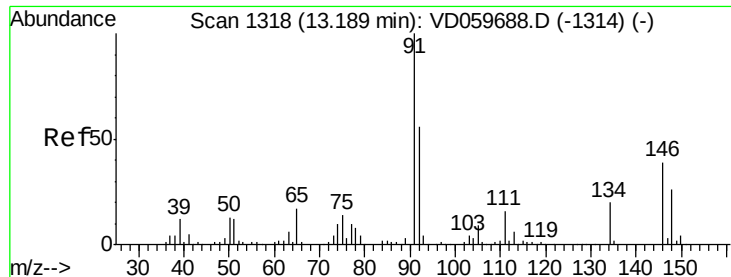
#90
Hexachloroethane
Concen: 68.82 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion: 117 Resp: 124891
Ion Ratio Lower Upper
117 100
201 86.4 42.4 127.1



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





#91

1,2-Dichlorobenzene

Concen: 66.30 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

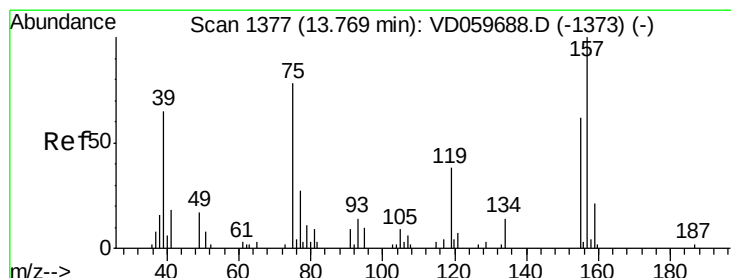
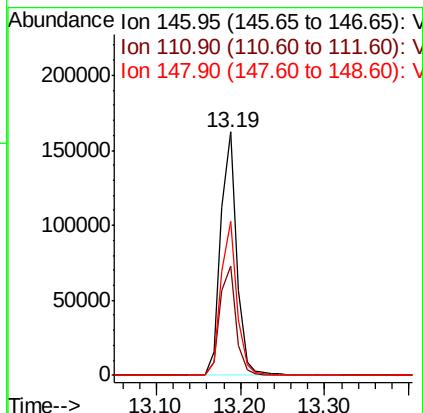
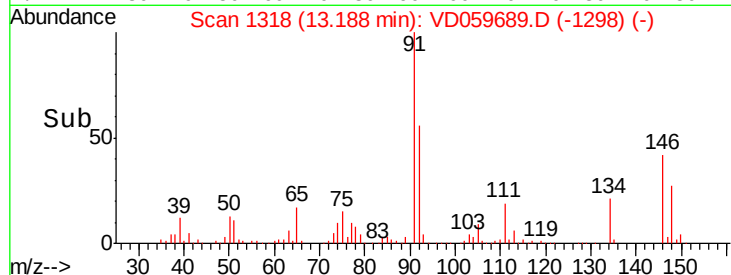
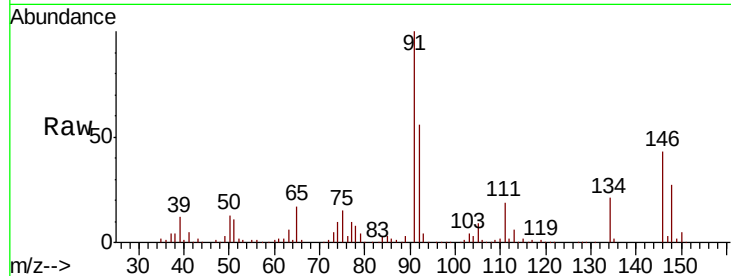
Tot Ion:146 Resp: 215079

Ion Ratio Lower Upper

146 100

111 44.7 20.8 62.2

148 63.3 33.4 100.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 74.08 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VD059689.D

Acq: 6 Aug 2018 12:34

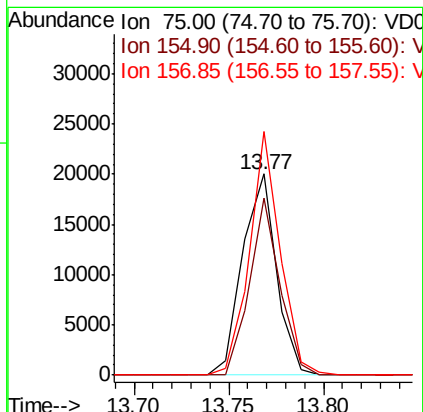
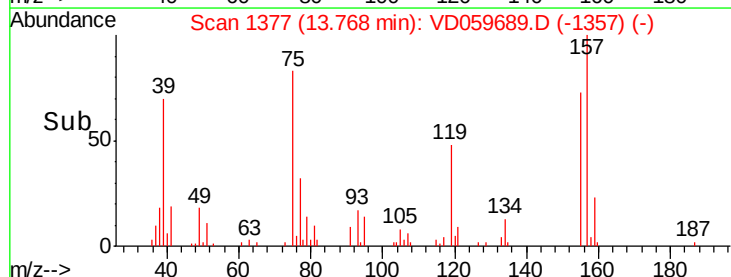
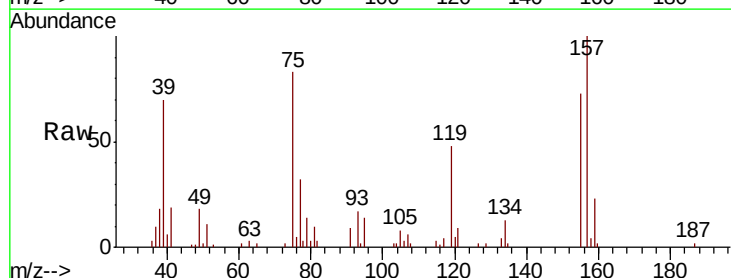
Tgt Ion: 75 Resp: 24724

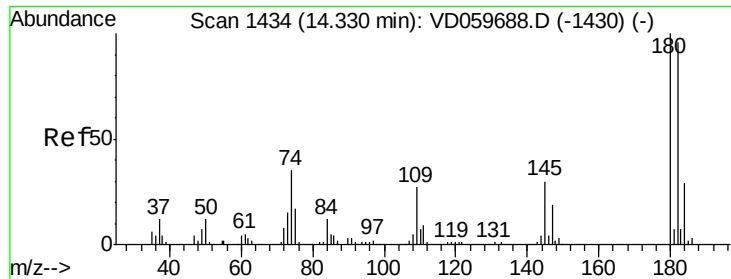
Ion Ratio Lower Upper

75 100

155 88.2 40.0 119.9

157 121.2 64.3 192.7

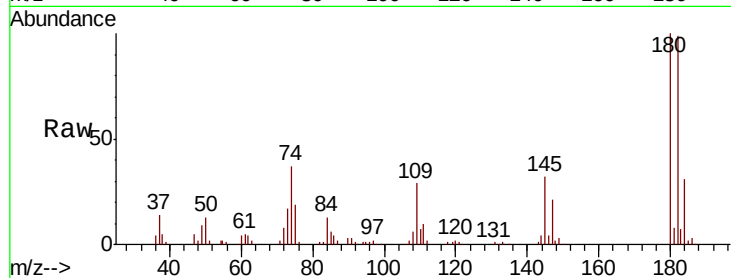




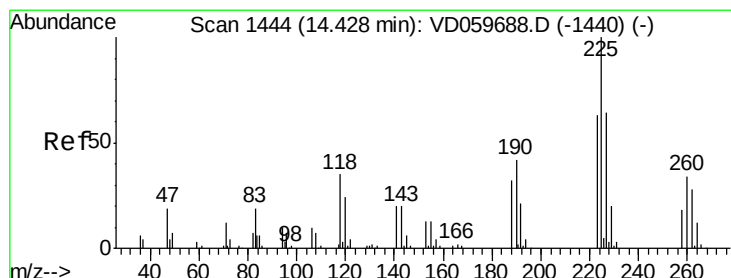
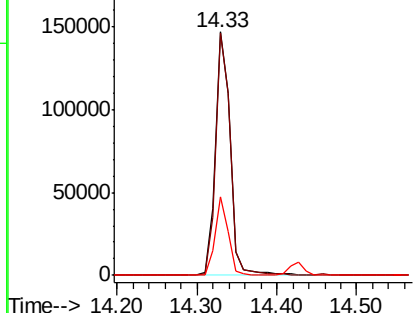
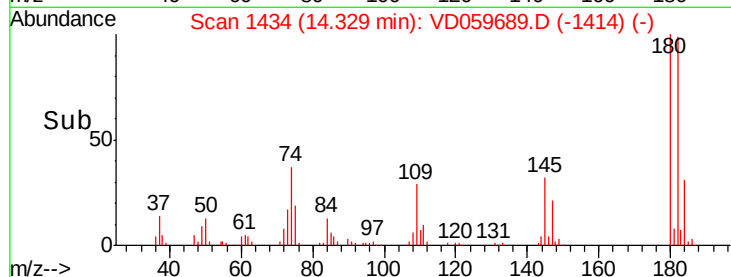
#93
 1,2,4-Trichlorobenzene
 Concen: 66.43 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 193605
 Ion Ratio Lower Upper
 180 100
 182 99.4 48.0 144.0
 145 32.3 14.8 44.4

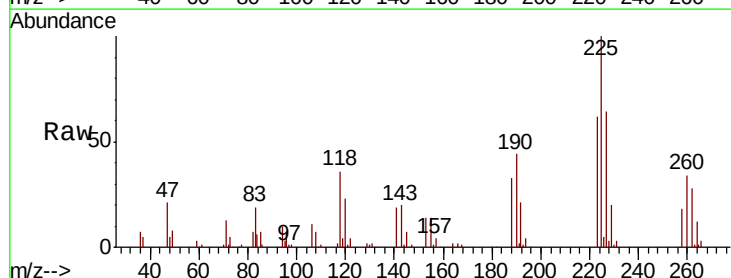


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

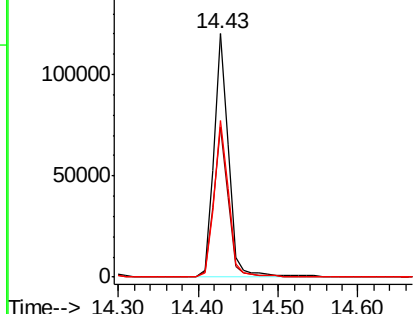
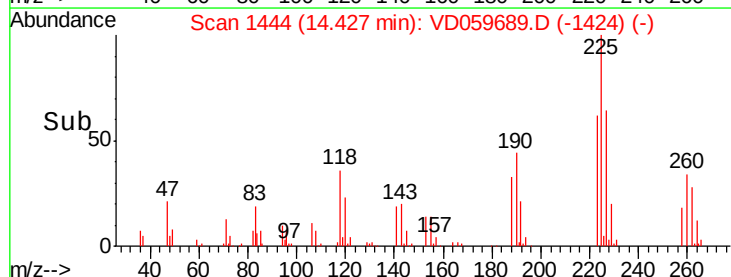


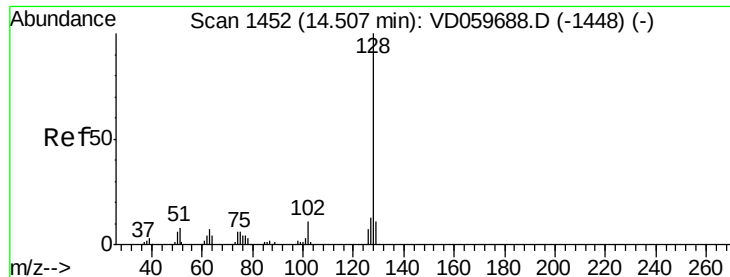
#94
 Hexachlorobutadiene
 Concen: 68.79 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059689.D
 Acq: 6 Aug 2018 12:34

Tgt Ion:225 Resp: 156468
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.4 94.3
 227 64.2 32.1 96.3



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

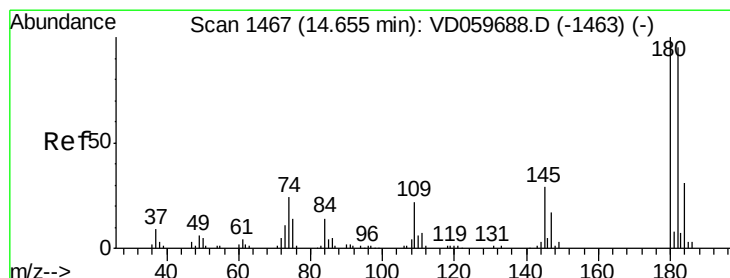
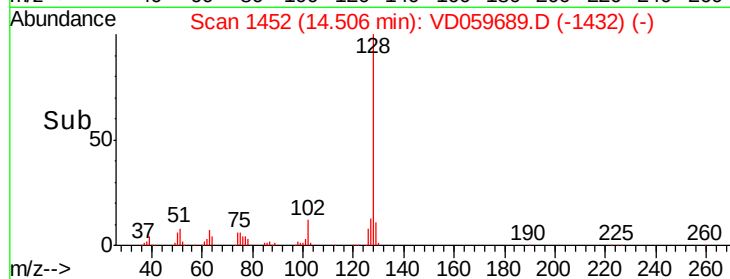
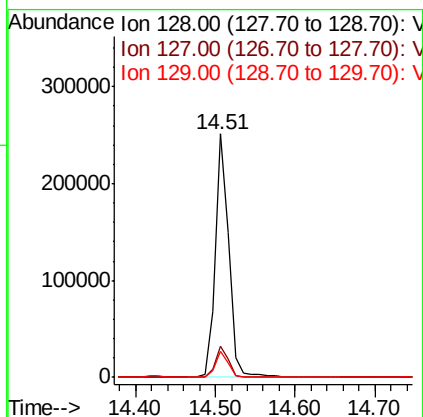
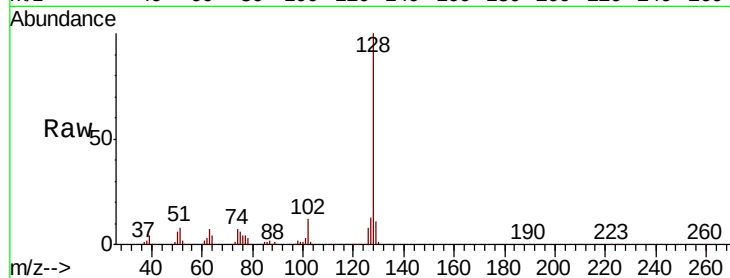




#95
Naphthalene
Concen: 69.23 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 301911
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 64.65 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059689.D
Acq: 6 Aug 2018 12:34

Tgt Ion:180 Resp: 168362
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.5
145 30.8 14.5 43.5

