

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
 Data File : VD059391.D
 Acq On : 25 Jun 2018 2:15
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 25 06:58:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 06:53:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	934372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1228070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	1000445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	475068	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	993453	105.69	ug/l	0.00
Spiked Amount			Recovery	=	211.38%	
35) Dibromofluoromethane	5.56	113	1002765	100.76	ug/l	0.00
Spiked Amount			Recovery	=	201.52%	
50) Toluene-d8	8.72	98	2270266	94.93	ug/l	0.00
Spiked Amount			Recovery	=	189.86%	
62) 4-Bromofluorobenzene	11.94	95	914674	93.06	ug/l	0.00
Spiked Amount			Recovery	=	186.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	768621	82.43	ug/l	99
3) Chloromethane	1.49	50	390582	84.81	ug/l	# 86
4) Vinyl Chloride	1.56	62	440837	91.40	ug/l	92
5) Bromomethane	1.80	94	146246	81.96	ug/l	95
6) Chloroethane	1.88	64	146181	80.80	ug/l	91
7) Trichlorofluoromethane	2.08	101	600081	88.92	ug/l	98
8) Diethyl Ether	2.35	74	149246	105.39	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.56	101	390016	92.00	ug/l	94
10) Methyl Iodide	2.69	142	550433	113.30	ug/l	100
11) Tert butyl alcohol	3.27	59	150114	472.43	ug/l	99
12) 1,1-Dichloroethene	2.55	96	299391	94.43	ug/l	96
13) Acrolein	2.48	56	145154	714.25	ug/l	99
14) Allyl chloride	2.93	41	728903	99.54	ug/l	98
15) Acrylonitrile	3.37	53	490008	577.60	ug/l	98
16) Acetone	2.62	43	549154	438.35	ug/l	98
17) Carbon Disulfide	2.76	76	956559	89.54	ug/l	97
18) Methyl Acetate	2.95	43	281462	102.29	ug/l	# 93
19) Methyl tert-butyl Ether	3.41	73	1454664	152.97	ug/l	100
20) Methylene Chloride	3.08	84	340664	85.73	ug/l	96
21) trans-1,2-Dichloroethene	3.40	96	460047	119.54	ug/l	85
22) Diisopropyl ether	4.08	45	2546756	87.76	ug/l	97
23) Vinyl Acetate	4.03	43	7005335	454.87	ug/l	99
24) 1,1-Dichloroethane	3.98	63	1461582	92.90	ug/l	98
25) 2-Butanone	4.85	43	1198955	440.55	ug/l	96
26) 2,2-Dichloropropane	4.81	77	1129519	86.27	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	801940	92.08	ug/l	97
28) Bromochloromethane	5.15	49	631410	89.79	ug/l	97
29) Tetrahydrofuran	5.19	42	625700	431.81	ug/l	99
30) Chloroform	5.33	83	1612062	96.46	ug/l	96
31) Cyclohexane	5.60	56	987496	74.20	ug/l	99
32) 1,1,1-Trichloroethane	5.52	97	1393217	100.80	ug/l	96
36) 1,1-Dichloropropene	5.75	75	1001687	83.78	ug/l	98
37) Ethyl Acetate	4.94	43	645425	95.72	ug/l	97
38) Carbon Tetrachloride	5.74	117	1156860	97.08	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	988624	85.30	ug/l	96
40) Benzene	6.02	78	2327035	81.35	ug/l	98
41) Methacrylonitrile	5.13	41	302632	90.63	ug/l	98
42) 1,2-Dichloroethane	6.14	62	1163192	100.16	ug/l	96
43) Isopropyl Acetate	7.63	43	853287	95.64	ug/l	96
44) Trichloroethene	7.00	130	795488	92.14	ug/l	92
45) 1,2-Dichloropropane	7.36	63	701559	91.96	ug/l	97
46) Dibromomethane	7.47	93	522385	99.38	ug/l	96
47) Bromodichloromethane	7.75	83	1218501	100.27	ug/l #	97
48) Methyl methacrylate	7.52	41	524268	96.50	ug/l	95
49) 1,4-Dioxane	7.51	88	101957	2075.36	ug/l #	87
51) 4-Methyl-2-Pentanone	8.61	43	2660385	454.52	ug/l	99
52) Toluene	8.82	92	1424370	87.20	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	1017088	97.87	ug/l	99
54) cis-1,3-Dichloropropene	8.37	75	1121680	92.78	ug/l	97
55) 1,1,2-Trichloroethane	9.47	97	546887	94.54	ug/l	98
56) Ethyl methacrylate	9.32	69	631258	92.58	ug/l	92
57) 1,3-Dichloropropane	9.67	76	904773	92.79	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.20	63	1493090	441.51	ug/l	100
59) 2-Hexanone	9.79	43	1872283	440.07	ug/l	97
60) Dibromochloromethane	9.97	129	851839	108.27	ug/l	96
61) 1,2-Dibromoethane	10.11	107	632899	100.61	ug/l	99
64) Tetrachloroethene	9.53	164	805441	95.75	ug/l	96
65) Chlorobenzene	10.73	112	1632024	87.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	663404	91.59	ug/l	94
67) Ethyl Benzene	10.86	91	2596116	78.92	ug/l	99
68) m/p-Xylenes	11.02	106	1793255	164.13	ug/l	92
69) o-Xylene	11.42	106	874782	82.83	ug/l	97
70) Styrene	11.44	104	1495926	83.18	ug/l	96
71) Bromoform	11.60	173	644299	112.78	ug/l #	97
73) Isopropylbenzene	11.78	105	2594252	92.08	ug/l	100
74) N-amyl acetate	11.65	43	1078335	101.43	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	636498	98.45	ug/l	96
76) 1,2,3-Trichloropropane	12.11	75	647851	95.51	ug/l	99
77) Bromobenzene	12.05	156	844693	99.70	ug/l	92
78) n-propylbenzene	12.16	91	3178103	87.92	ug/l	99
79) 2-Chlorotoluene	12.22	91	1930063	93.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	1984049	90.75	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.85	75	165007	101.79	ug/l	97
82) 4-Chlorotoluene	12.33	91	1995469	85.69	ug/l	93
83) tert-Butylbenzene	12.58	119	2286160	91.34	ug/l	90
84) 1,2,4-Trimethylbenzene	12.63	105	2147696	90.14	ug/l	94
85) sec-Butylbenzene	12.76	105	2576147	87.50	ug/l	99
86) p-Isopropyltoluene	12.89	119	2154471	90.07	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	1289196	88.31	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	1274860	89.45	ug/l	98
89) n-Butylbenzene	13.20	91	1966414	79.30	ug/l	99
90) Hexachloroethane	13.40	117	602398	97.80	ug/l	87
91) 1,2-Dichlorobenzene	13.20	146	1054720	85.51	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	112318	108.59	ug/l	72

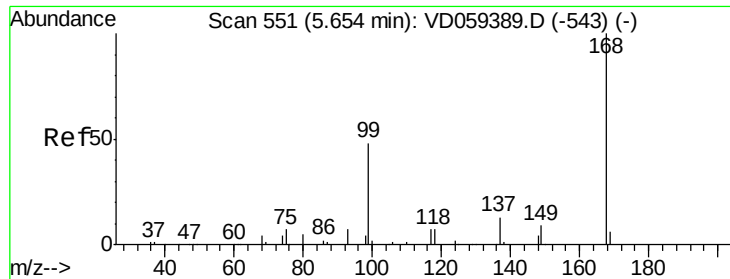
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	1074053	91.67	ug/l	94
94) Hexachlorobutadiene	14.44	225	850327	91.90	ug/l	98
95) Naphthalene	14.52	128	1529639	99.29	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	958898	92.73	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.01 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

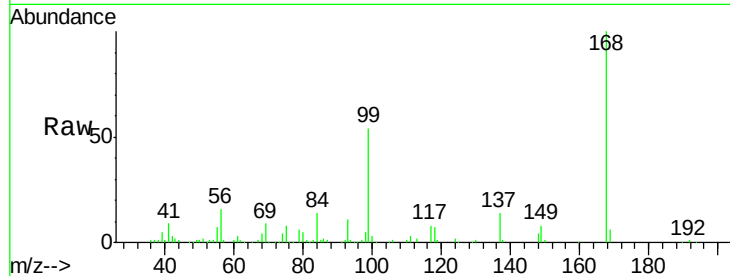
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:168 Resp: 934372

Ion Ratio Lower Upper

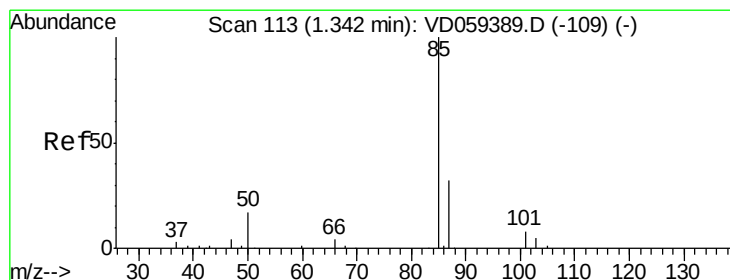
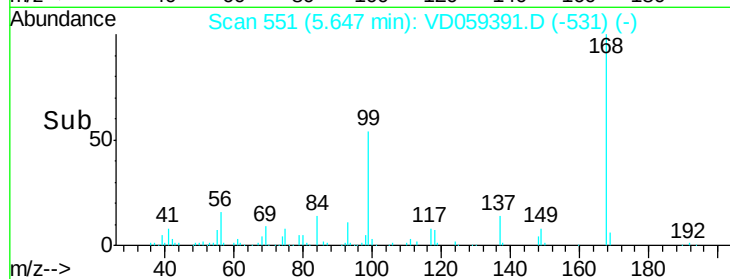
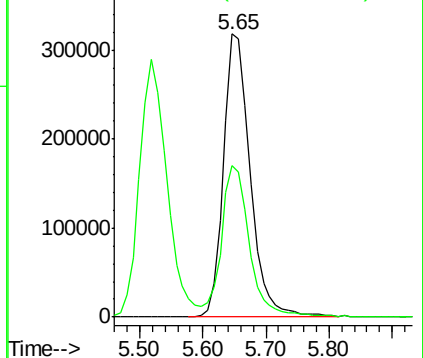
168 100

99 53.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 82.43 ug/l

RT: 1.34 min Scan# 114

Delta R.T. 0.00 min

Lab File: VD059391.D

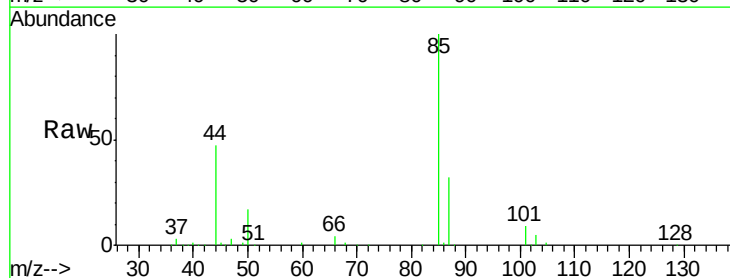
Acq: 25 Jun 2018 2:15

Tgt Ion: 85 Resp: 768621

Ion Ratio Lower Upper

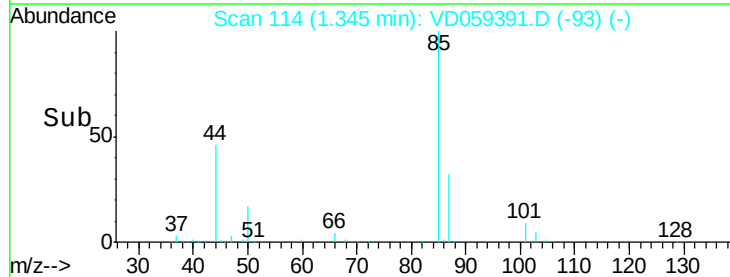
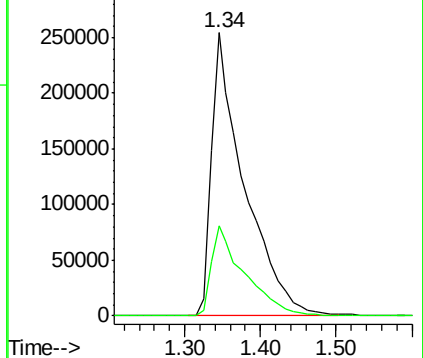
85 100

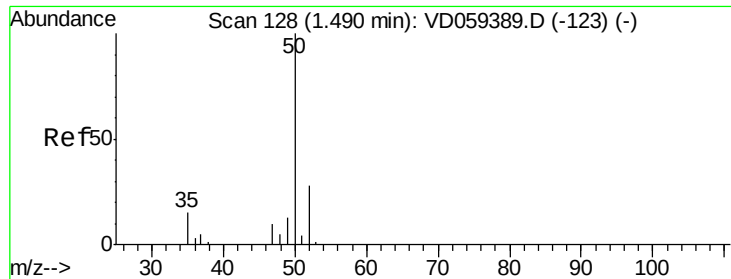
87 31.8 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 84.81 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

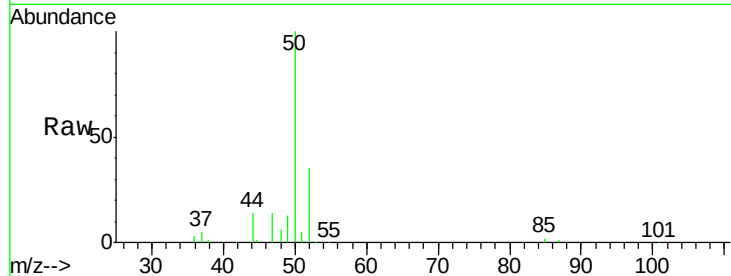
VSTDIC100

Tot Ion: 50 Resp: 390582

Ion Ratio Lower Upper

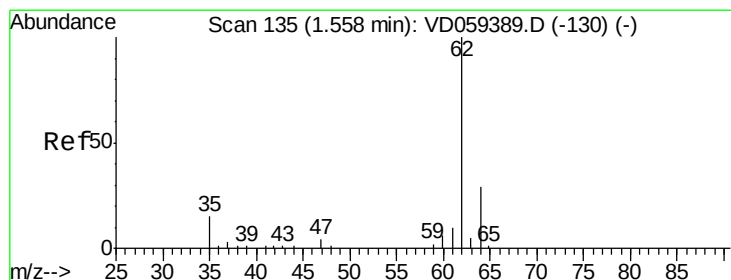
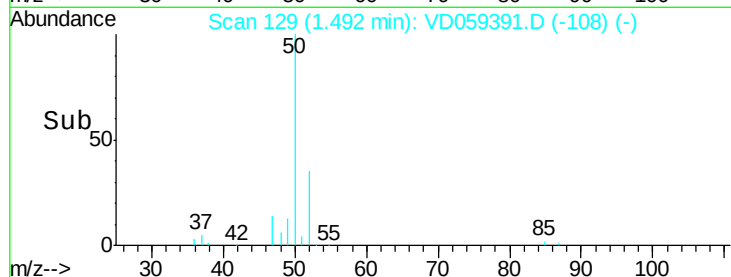
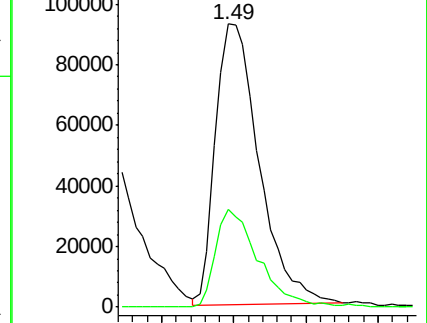
50 100

52 34.7 21.8 32.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 91.40 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.00 min

Lab File: VD059391.D

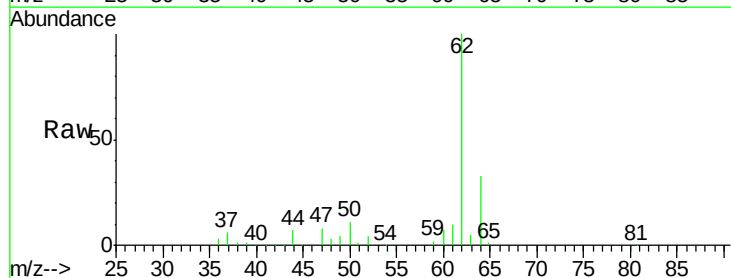
Acq: 25 Jun 2018 2:15

Tgt Ion: 62 Resp: 440837

Ion Ratio Lower Upper

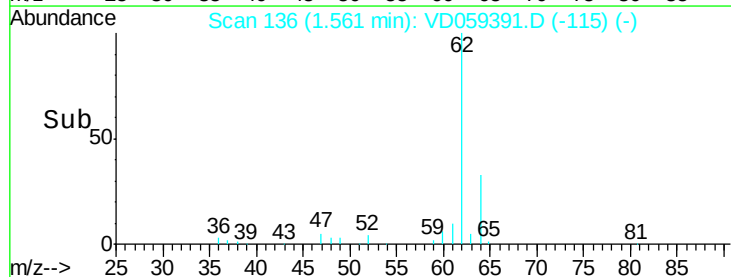
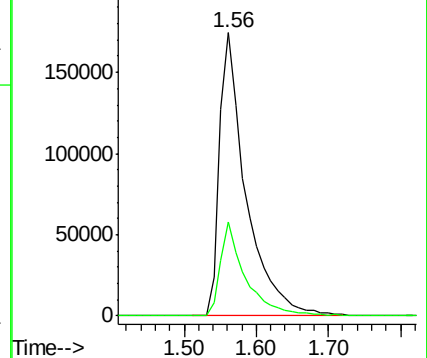
62 100

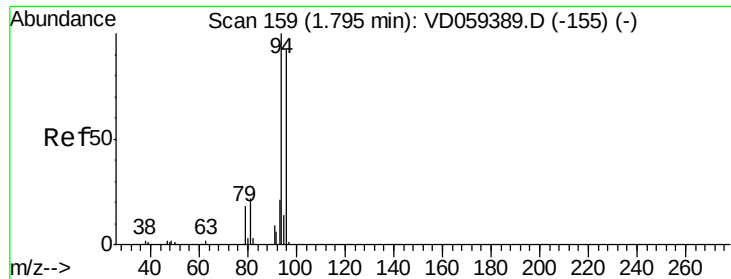
64 33.1 23.0 34.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 81.96 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

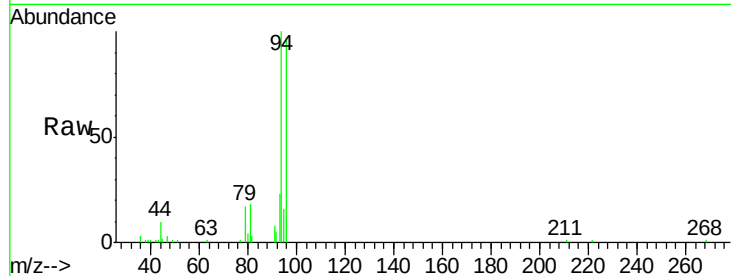
VSTDIC100

Tot Ion: 94 Resp: 146246

Ion Ratio Lower Upper

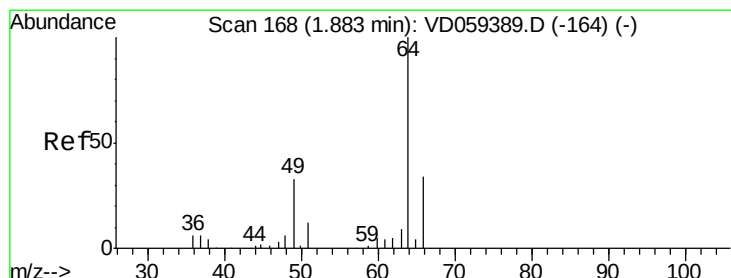
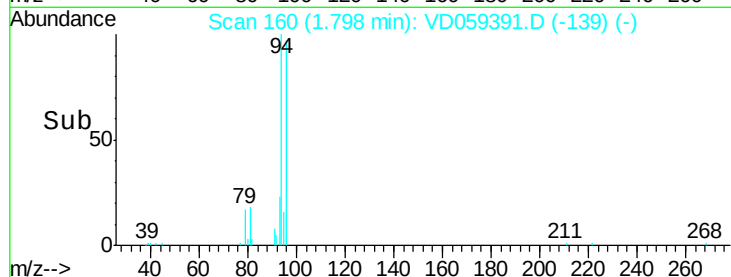
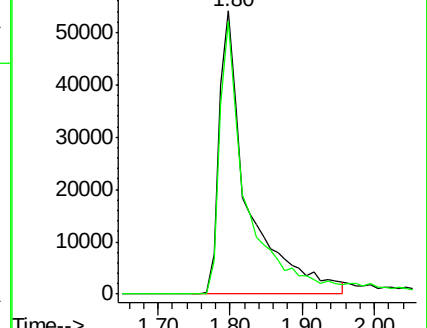
94 100

96 96.7 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 80.80 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD059391.D

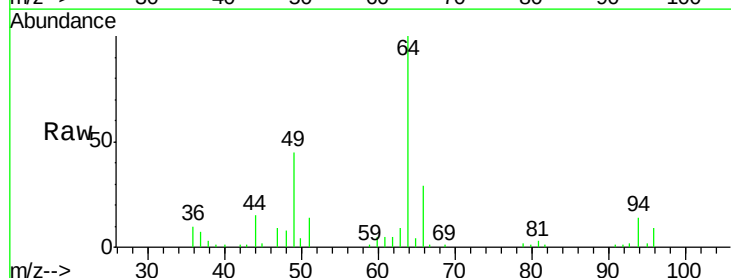
Acq: 25 Jun 2018 2:15

Tgt Ion: 64 Resp: 146181

Ion Ratio Lower Upper

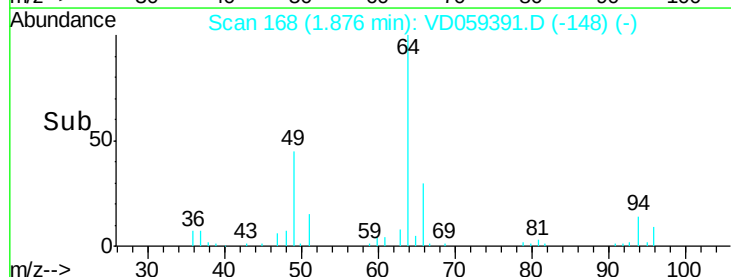
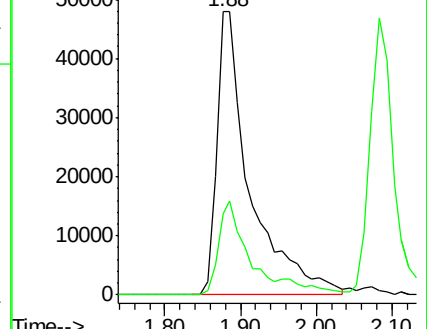
64 100

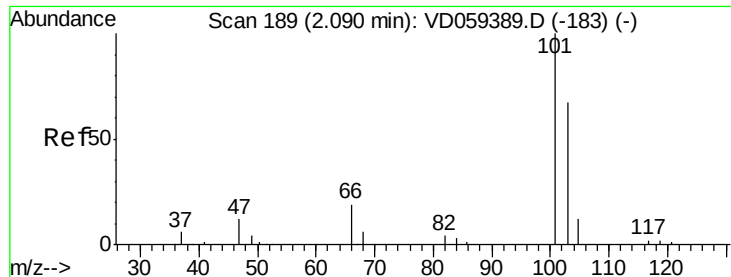
66 28.8 27.1 40.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



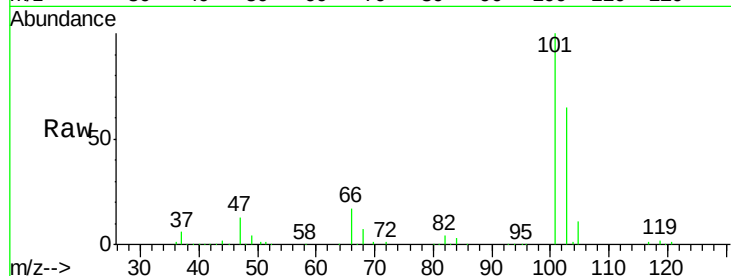


#7

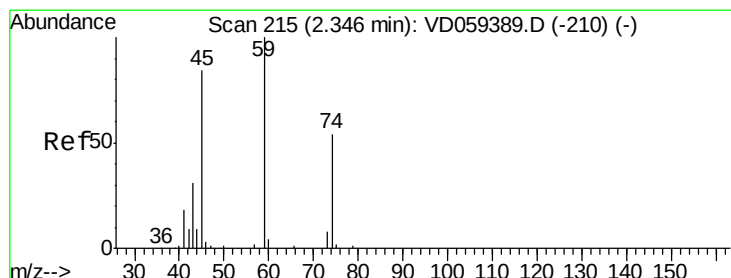
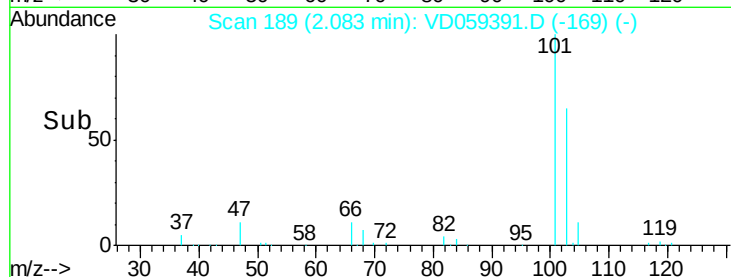
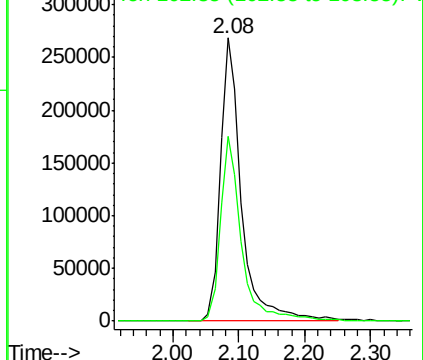
Trichlorofluoromethane
Concen: 88.92 ug/l
RT: 2.08 min Scan# 189
Delta R.T. -0.01 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 600081
Ion Ratio Lower Upper
101 100
103 65.4 53.4 80.0



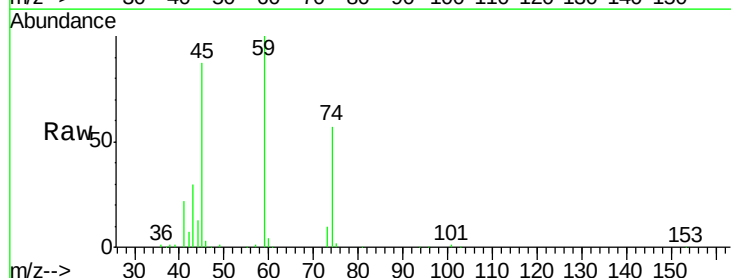
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



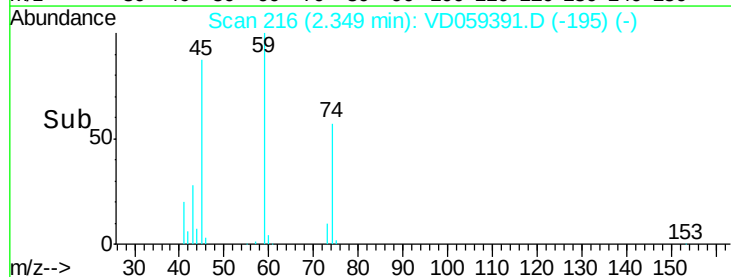
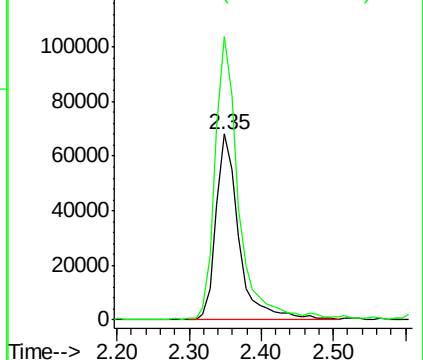
#8

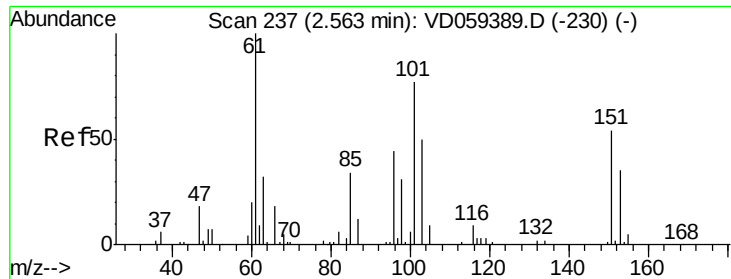
Diethyl Ether
Concen: 105.39 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 74 Resp: 149246
Ion Ratio Lower Upper
74 100
45 152.5 78.0 233.8



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: 92.00 ug/l

RT: 2.56 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

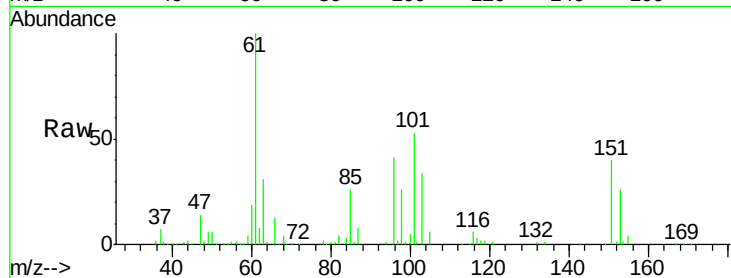
Tot Ion:101 Resp: 390016

Ion Ratio Lower Upper

101 100

85 48.9 35.7 53.5

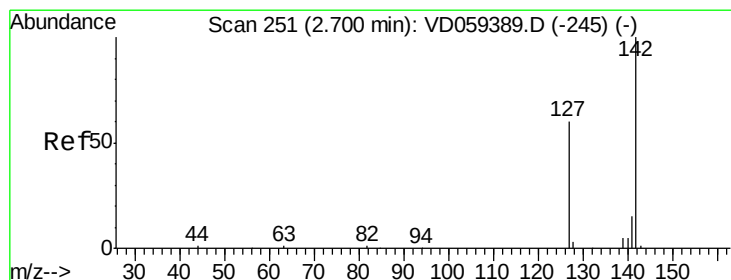
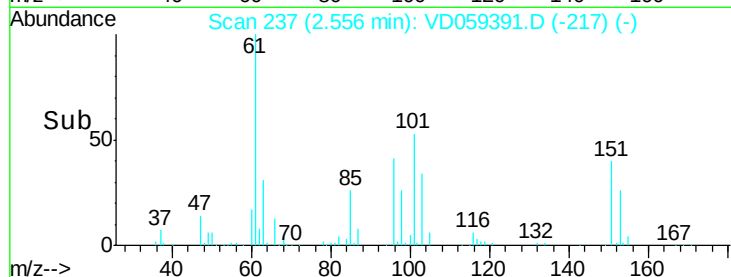
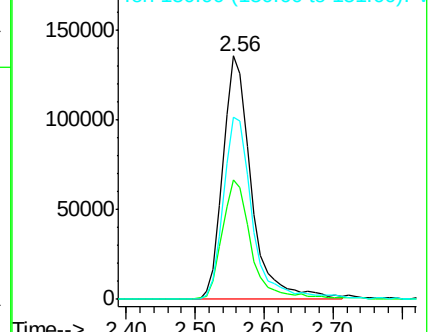
151 74.7 55.8 83.8



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: 113.30 ug/l

RT: 2.69 min Scan# 251

Delta R.T. -0.01 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

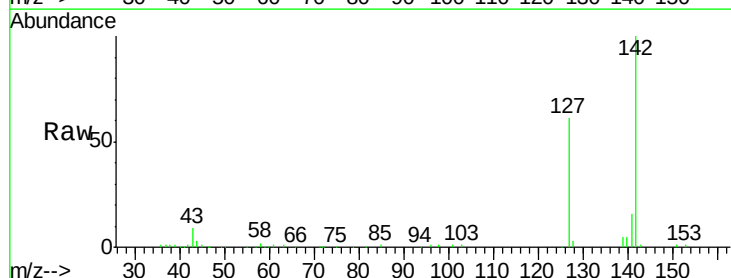
Tgt Ion:142 Resp: 550433

Ion Ratio Lower Upper

142 100

127 60.8 48.4 72.6

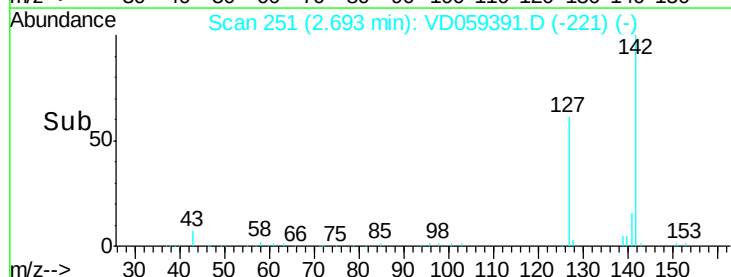
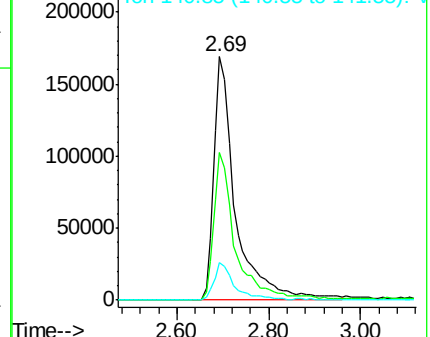
141 15.5 12.1 18.1

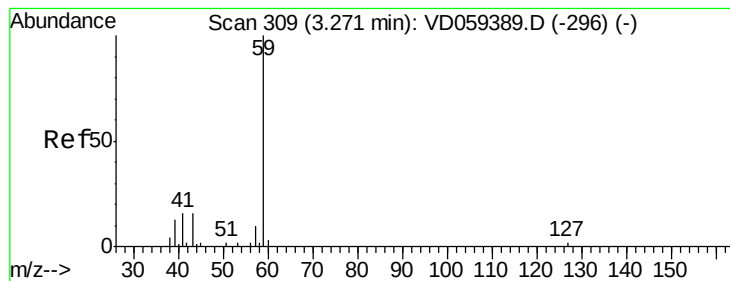


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



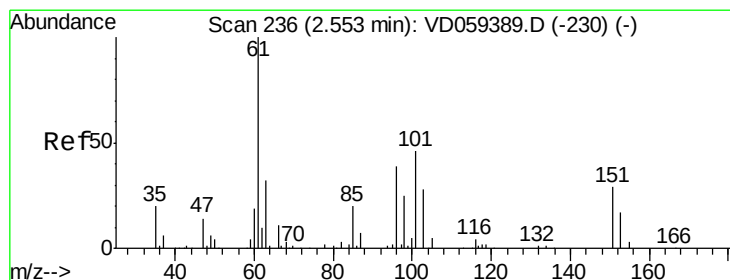
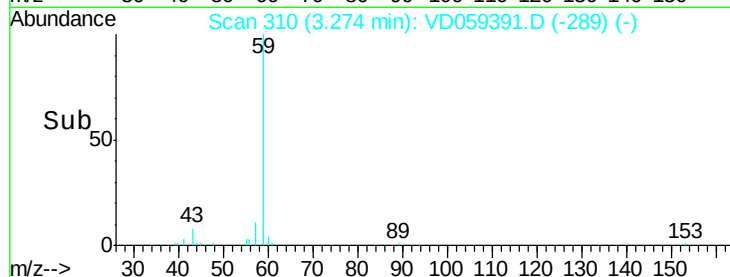
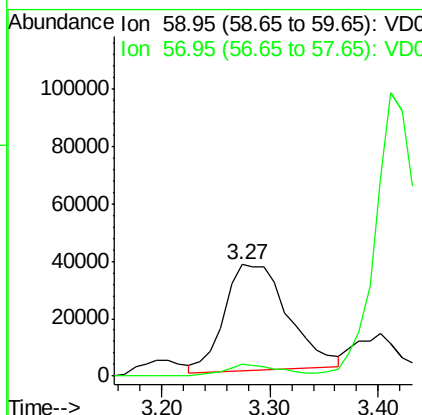
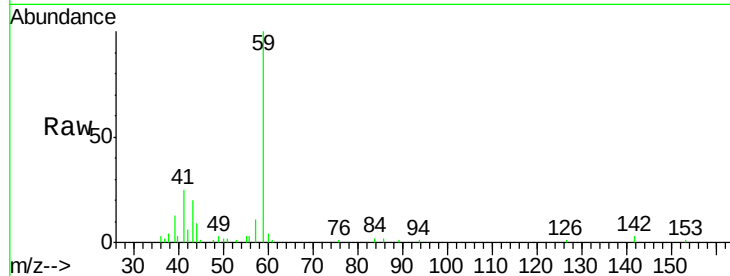


#11

Tert butyl alcohol
 Concen: 472.43 ug/l
 RT: 3.27 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

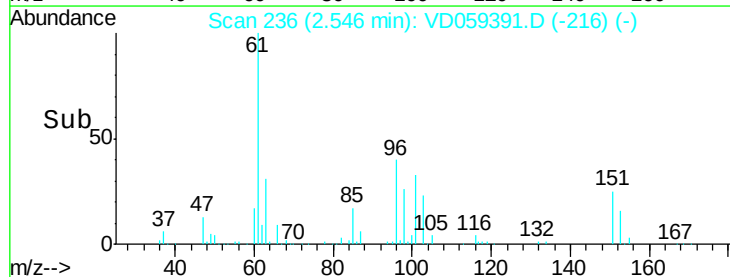
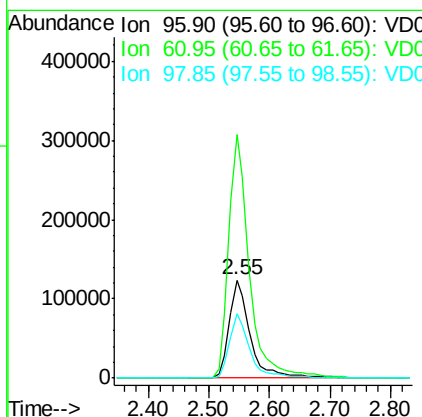
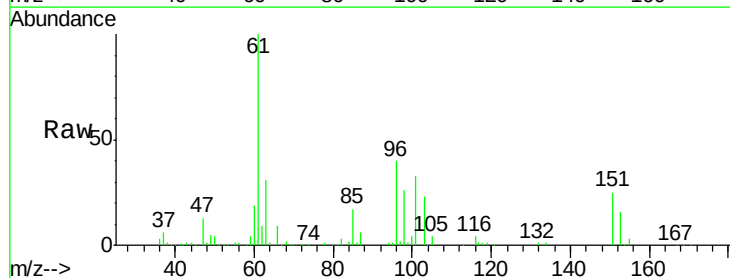
Tot Ion: 59 Resp: 150114
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.3 12.5

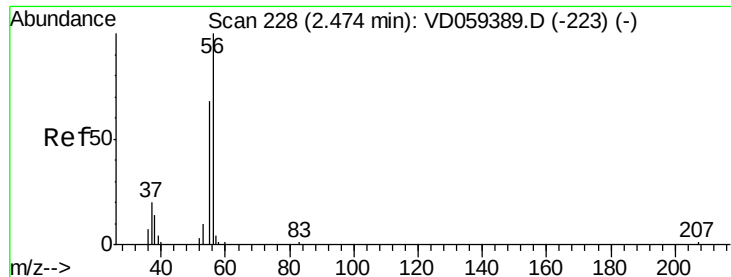


#12

1,1-Dichloroethene
 Concen: 94.43 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. -0.01 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion: 96 Resp: 299391
 Ion Ratio Lower Upper
 96 100
 61 249.0 205.4 308.0
 98 65.8 51.0 76.4





#13

Acrolein

Concen: 714.25 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

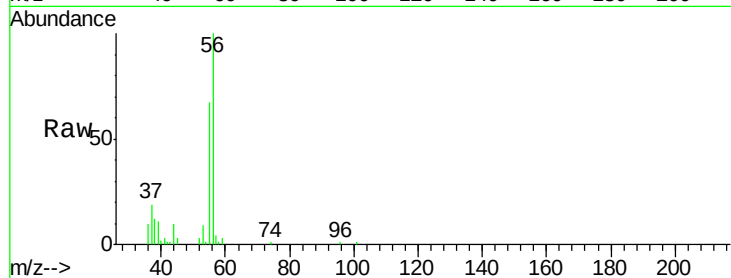
VSTDIC100

Tot Ion: 56 Resp: 145154

Ion Ratio Lower Upper

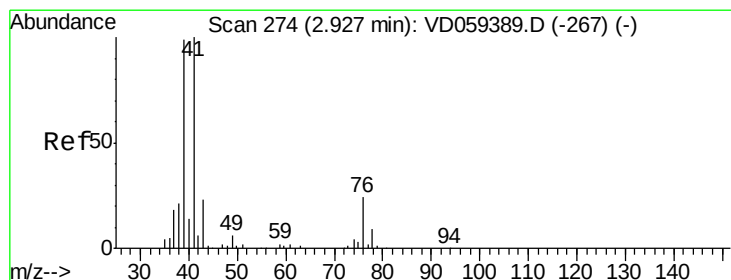
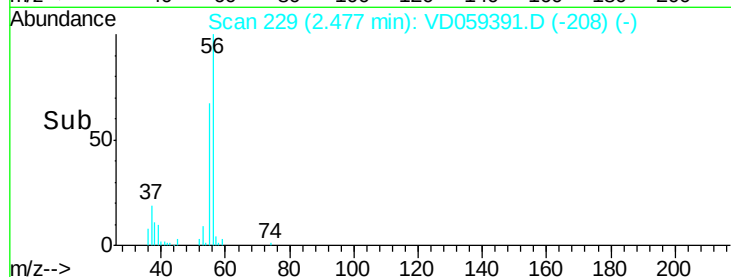
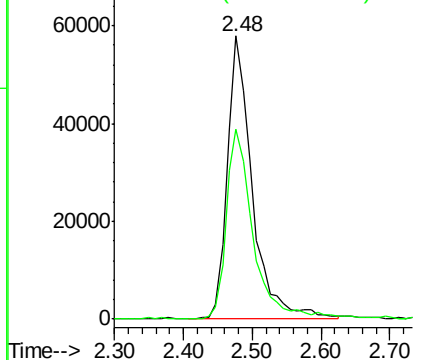
56 100

55 67.3 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 99.54 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

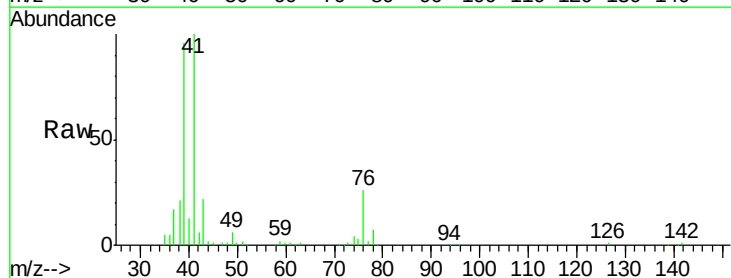
Tgt Ion: 41 Resp: 728903

Ion Ratio Lower Upper

41 100

39 96.4 79.1 118.7

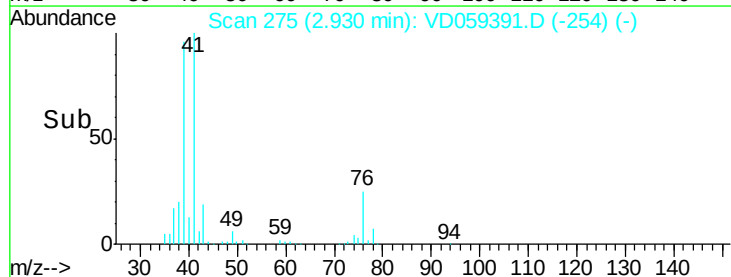
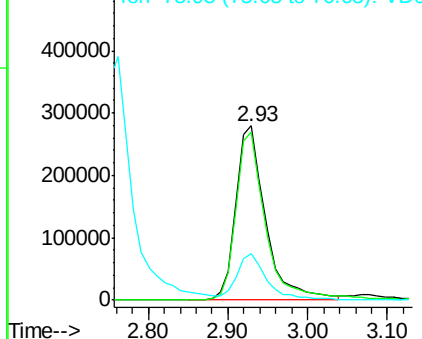
76 26.3 21.9 32.9

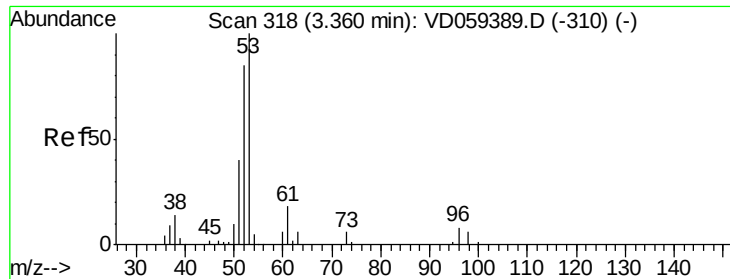


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 577.60 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

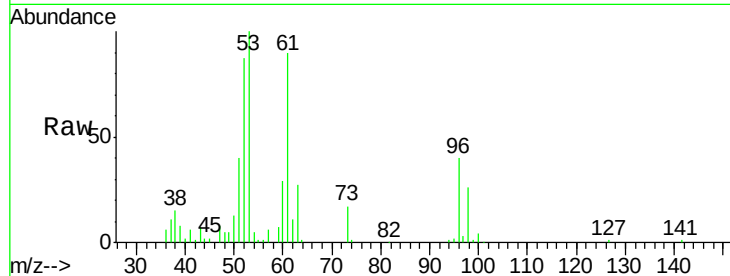
Tot Ion: 53 Resp: 490008

Ion Ratio Lower Upper

53 100

52 87.5 67.9 101.9

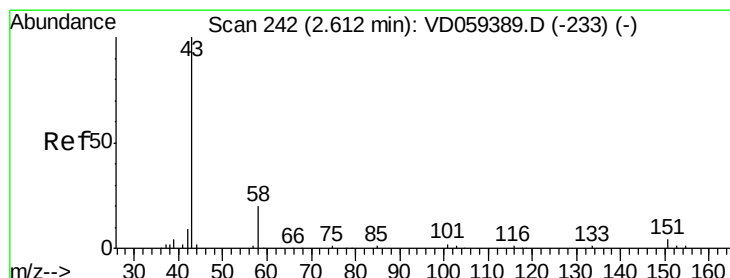
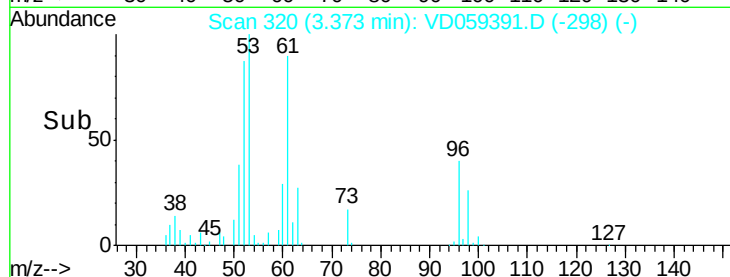
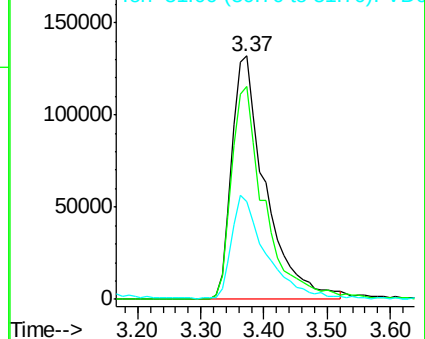
51 40.3 32.2 48.4



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 438.35 ug/l

RT: 2.62 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD059391.D

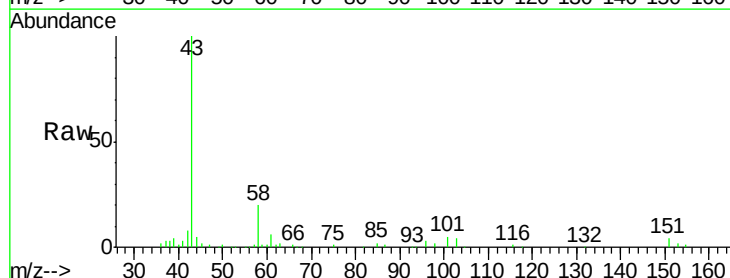
Acq: 25 Jun 2018 2:15

Tgt Ion: 43 Resp: 549154

Ion Ratio Lower Upper

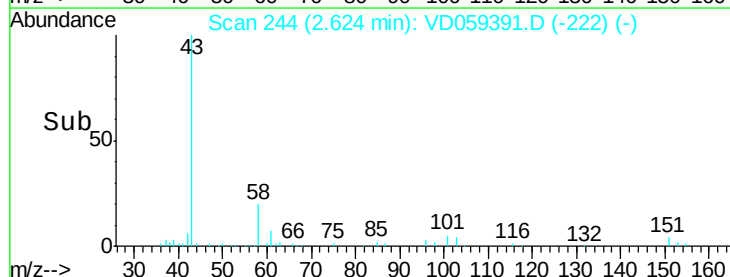
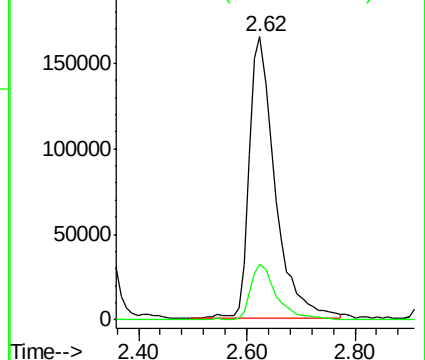
43 100

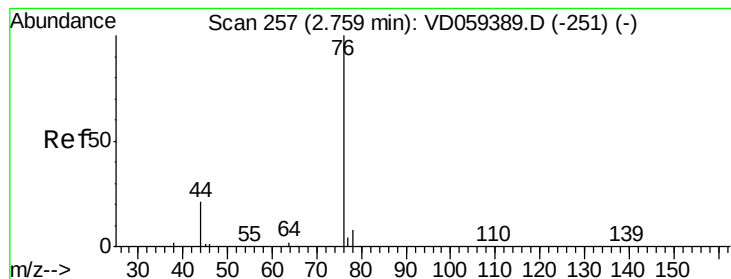
58 19.8 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 89.54 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

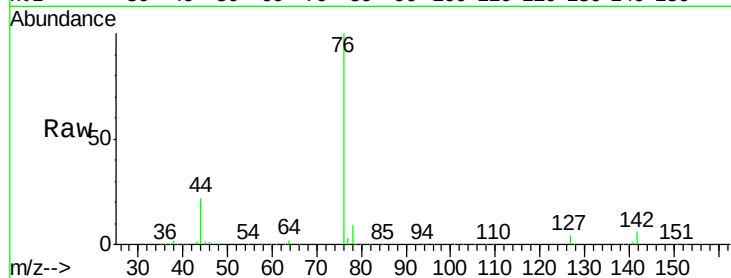
VSTDIC100

Tot Ion: 76 Resp: 956559

Ion Ratio Lower Upper

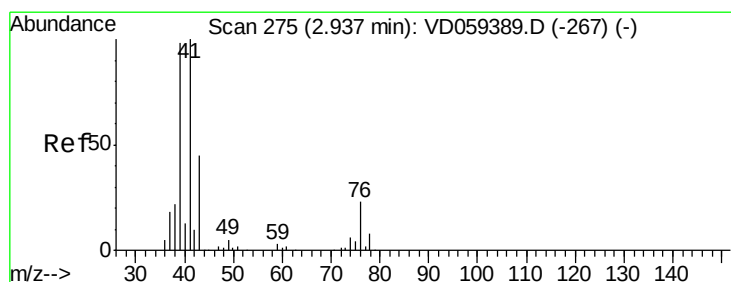
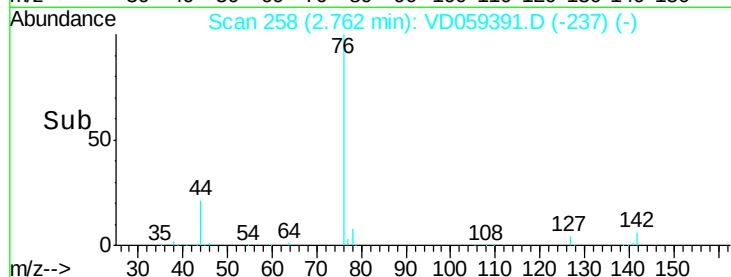
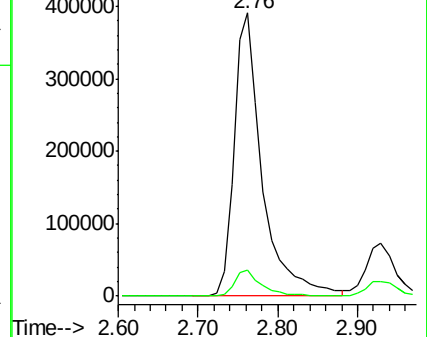
76 100

78 9.1 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 102.29 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.01 min

Lab File: VD059391.D

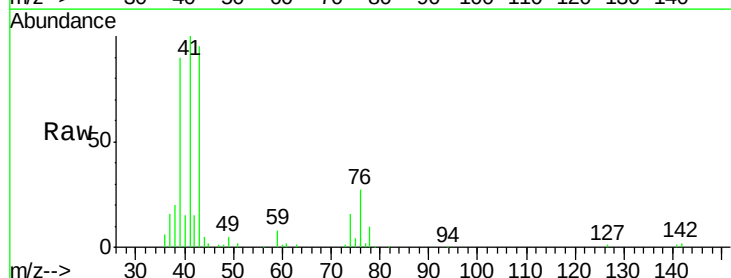
Acq: 25 Jun 2018 2:15

Tgt Ion: 43 Resp: 281462

Ion Ratio Lower Upper

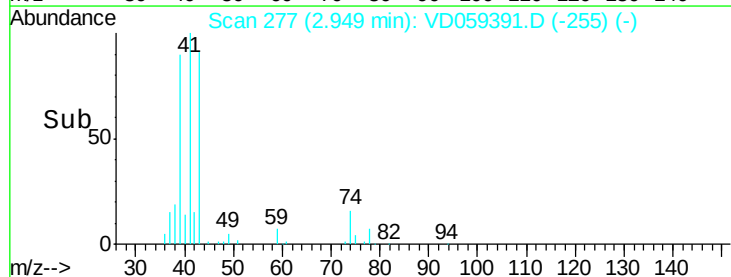
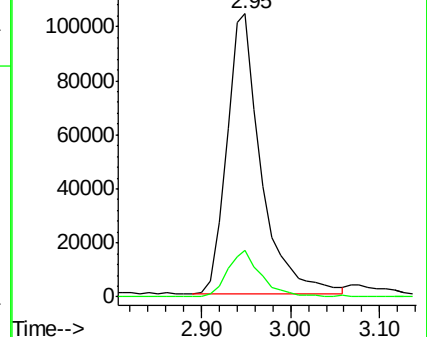
43 100

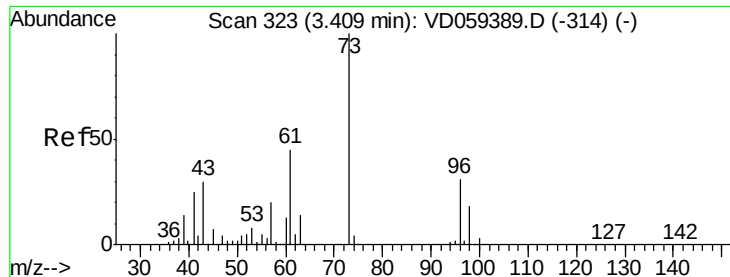
74 16.6 11.0 16.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

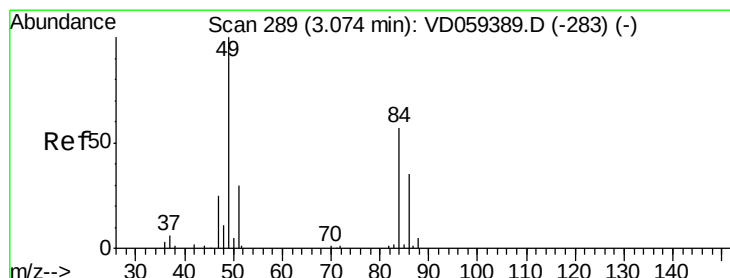
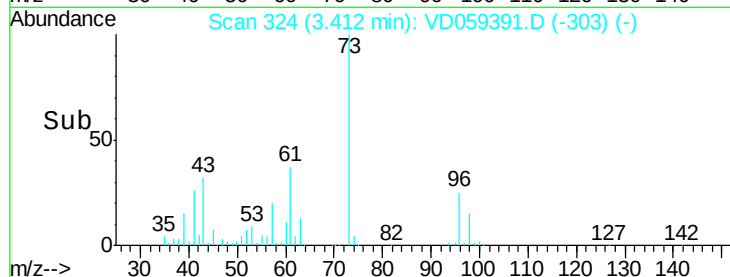
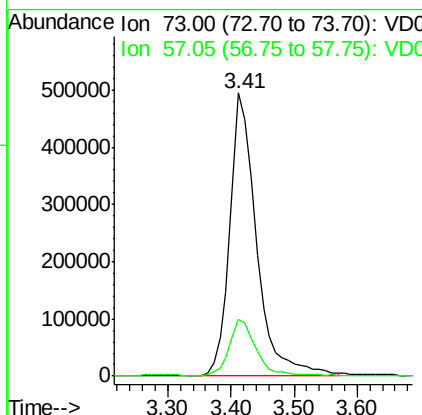
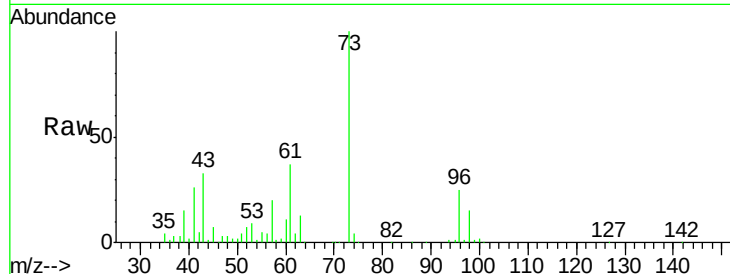




#19
Methyl tert-butyl Ether
Concen: 152.97 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

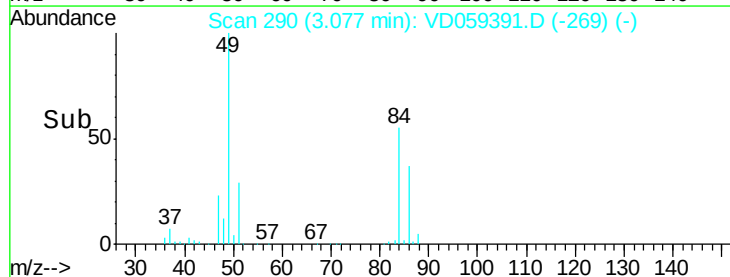
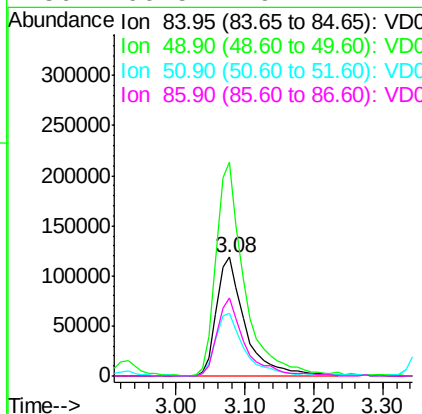
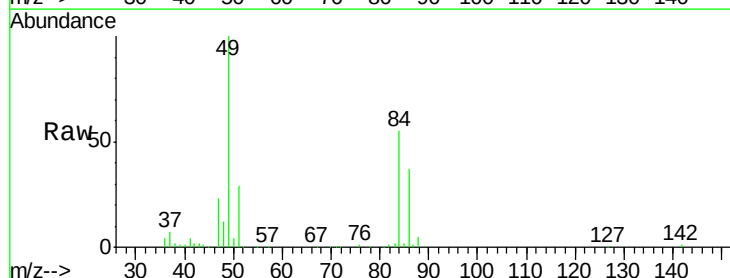
Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

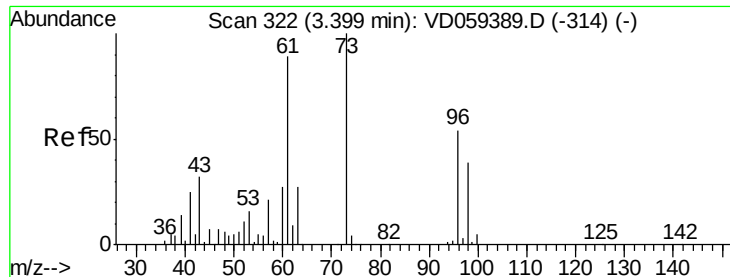
Tot Ion: 73 Resp: 1454664
Ion Ratio Lower Upper
73 100
57 19.9 16.1 24.1



#20
Methylene Chloride
Concen: 85.73 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 84 Resp: 340664
Ion Ratio Lower Upper
84 100
49 180.3 140.3 210.5
51 52.7 41.6 62.4
86 66.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 119.54 ug/l

RT: 3.40 min Scan# 323

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

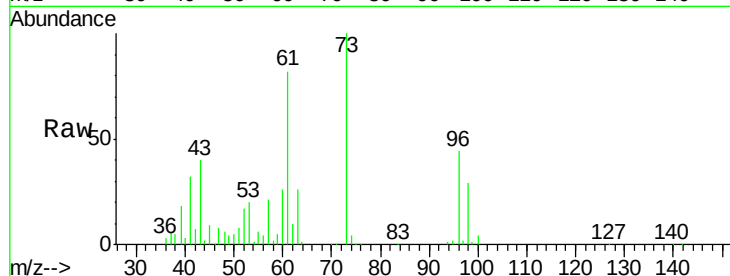
Tot Ion: 96 Resp: 460047

Ion Ratio Lower Upper

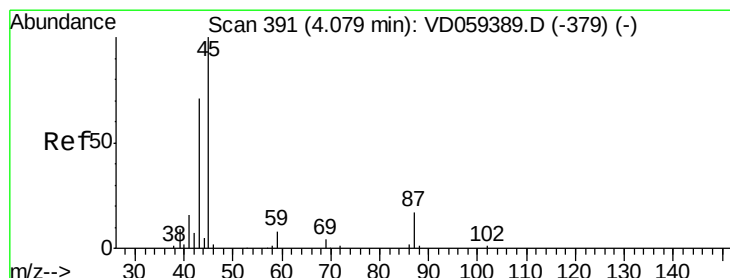
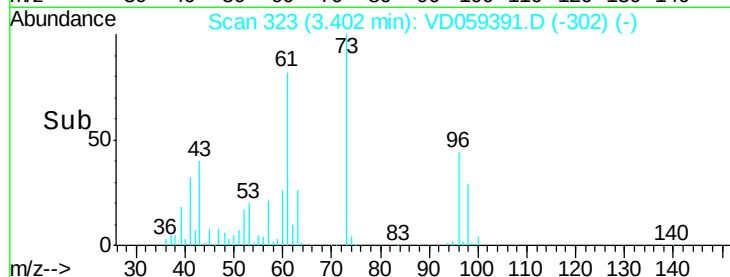
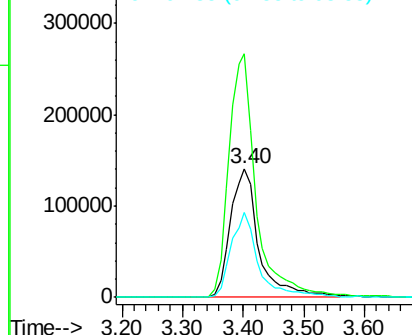
96 100

61 189.1 131.0 196.4

98 66.4 56.8 85.2



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: 87.76 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Tgt Ion: 45 Resp: 2546756

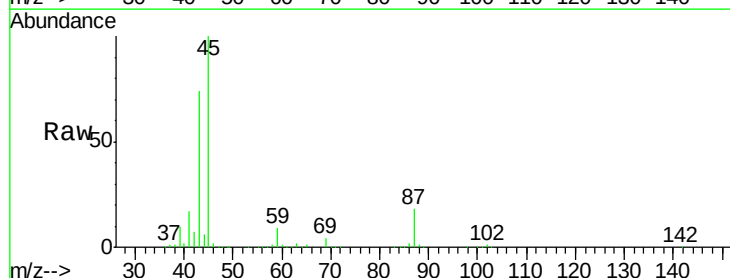
Ion Ratio Lower Upper

45 100

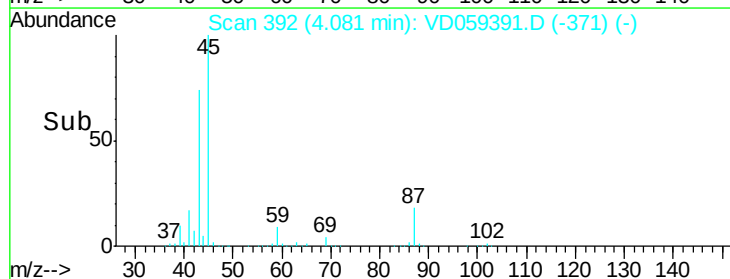
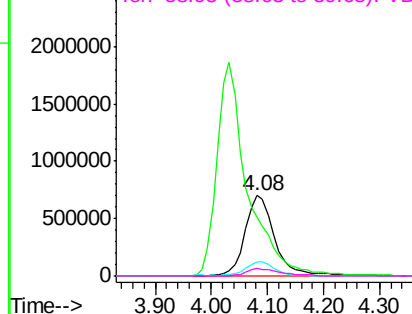
43 73.7 56.9 85.3

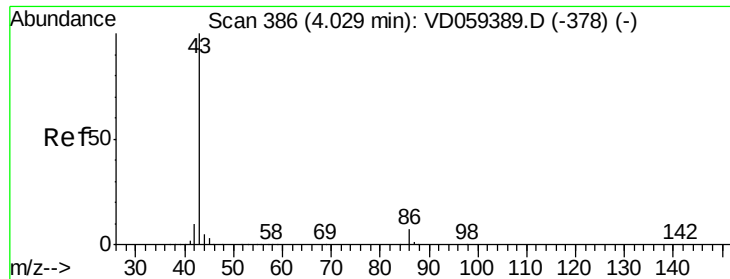
87 17.7 14.2 21.4

59 9.5 7.0 10.4



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: 454.87 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

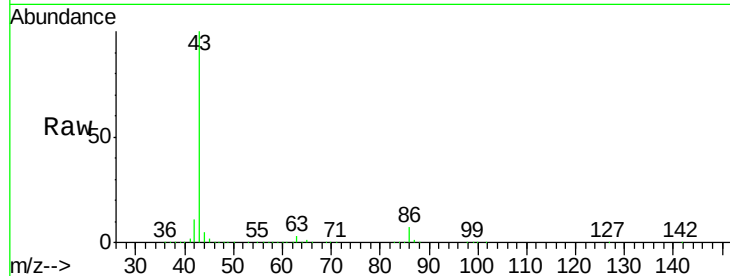
VSTDIC100

Tot Ion: 43 Resp: 7005335

Ion Ratio Lower Upper

43 100

86 6.8 5.2 7.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.03

2000000

1500000

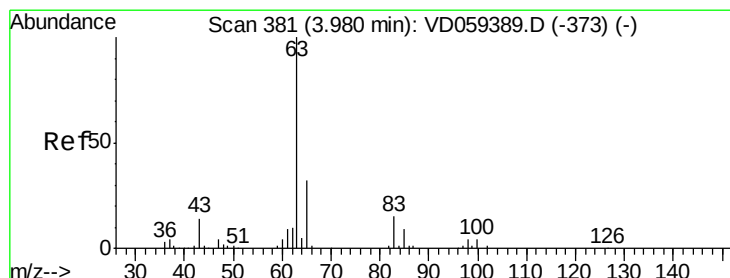
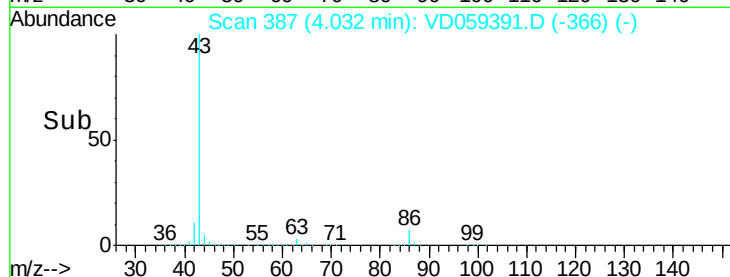
1000000

500000

0

Time-->

3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 92.90 ug/l

RT: 3.98 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

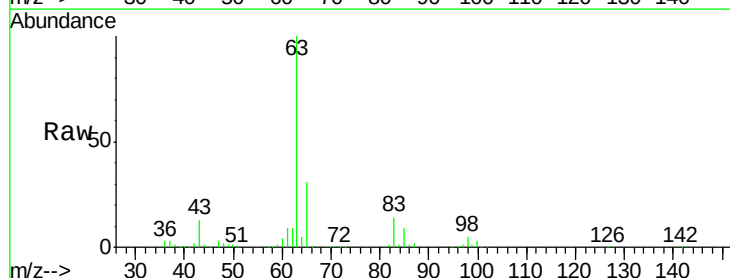
Tgt Ion: 63 Resp: 1461582

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.5

100 2.9 1.8 5.5



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

3.98

600000

500000

400000

300000

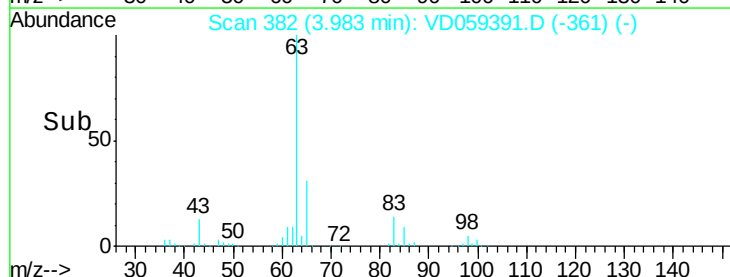
200000

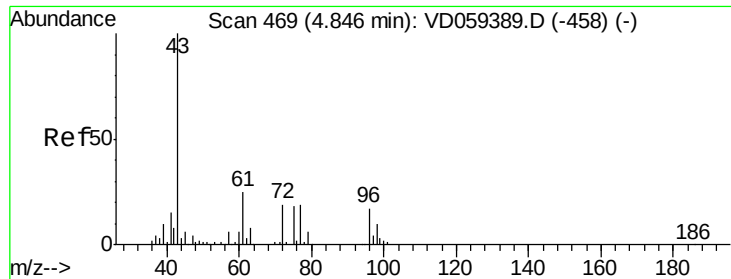
100000

0

Time-->

3.80 3.90 4.00 4.10 4.20





#25

2-Butanone

Concen: 440.55 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

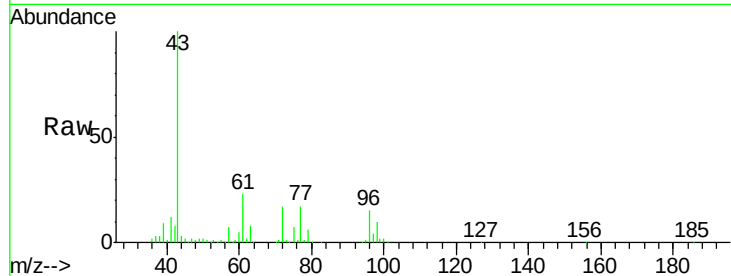
VSTDIC100

Tot Ion: 43 Resp: 1198955

Ion Ratio Lower Upper

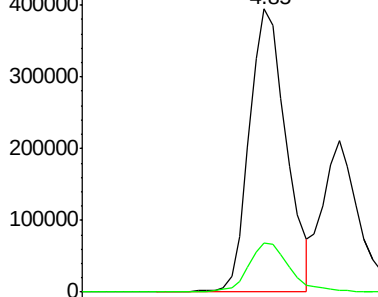
43 100

72 17.5 15.4 23.2

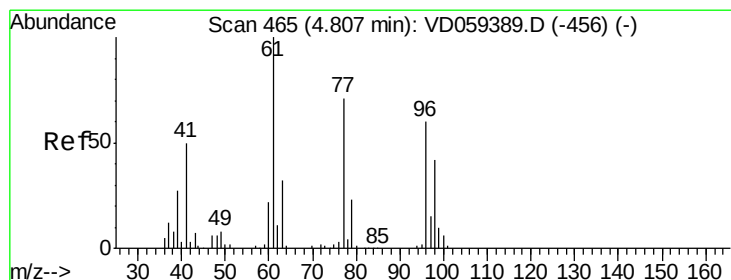
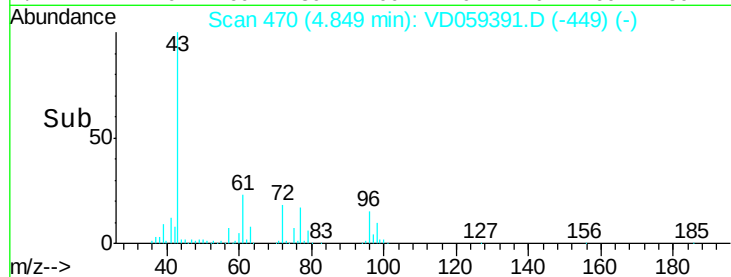


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 86.27 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059391.D

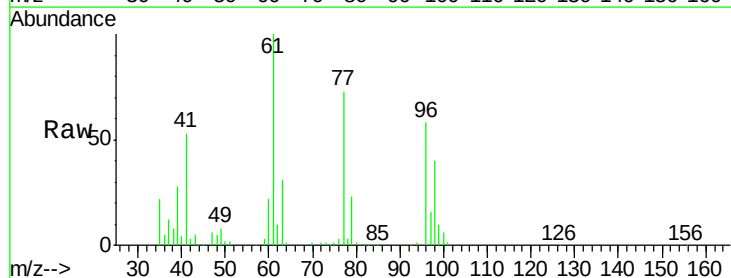
Acq: 25 Jun 2018 2:15

Tgt Ion: 77 Resp: 1129519

Ion Ratio Lower Upper

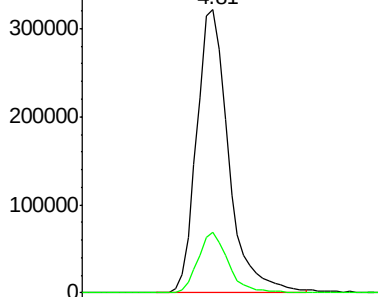
77 100

97 21.5 10.7 32.1

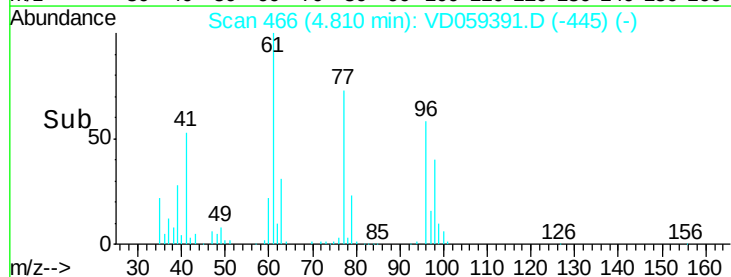


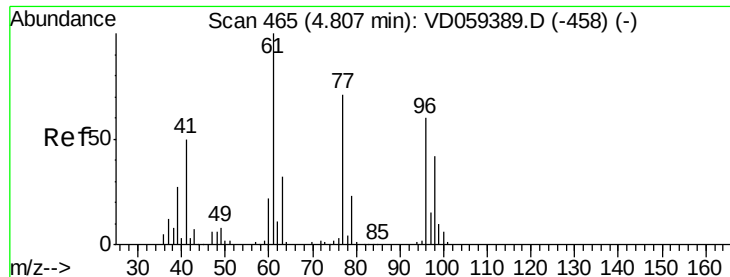
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 92.08 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

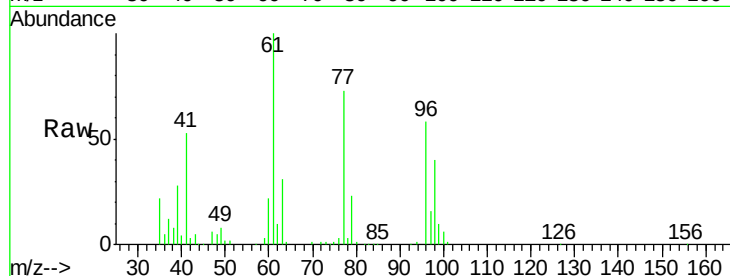
Tot Ion: 96 Resp: 801940

Ion Ratio Lower Upper

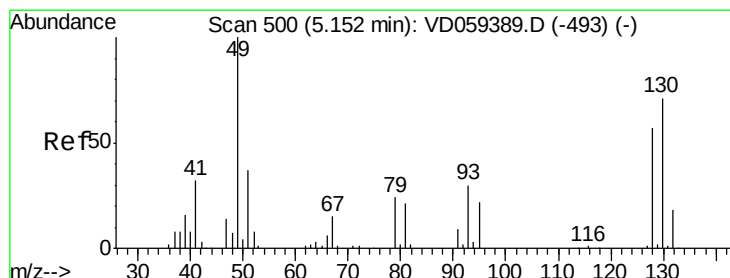
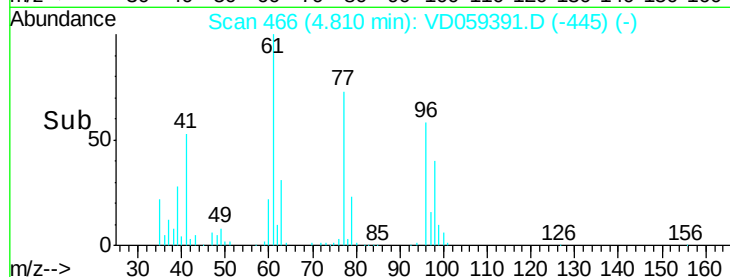
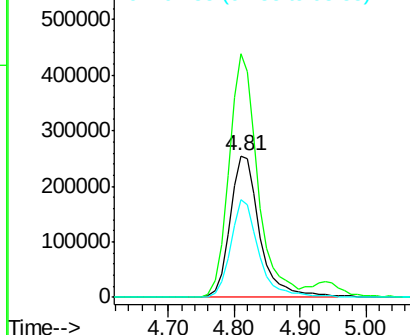
96 100

61 172.2 0.0 335.8

98 69.0 0.0 141.0



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: 89.79 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

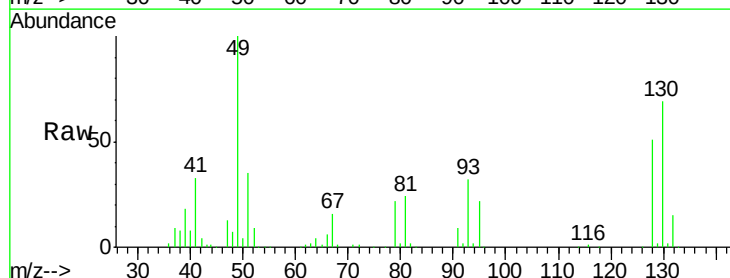
Tgt Ion: 49 Resp: 631410

Ion Ratio Lower Upper

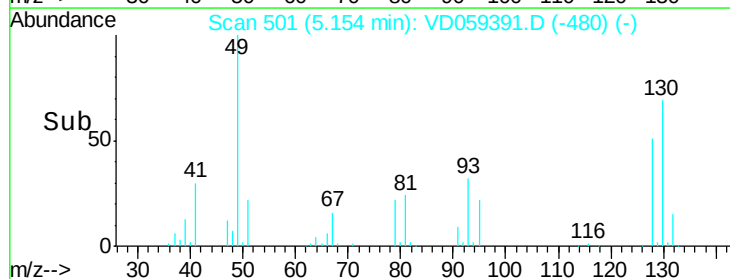
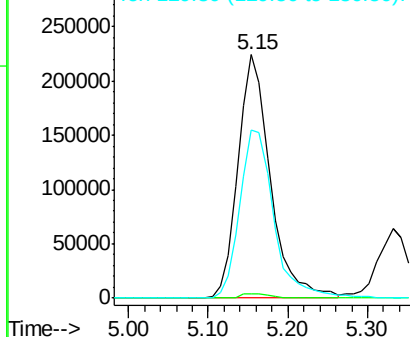
49 100

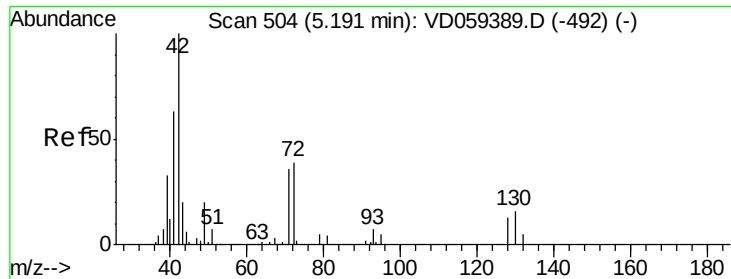
129 1.6 0.0 4.4

130 69.2 57.0 85.6



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

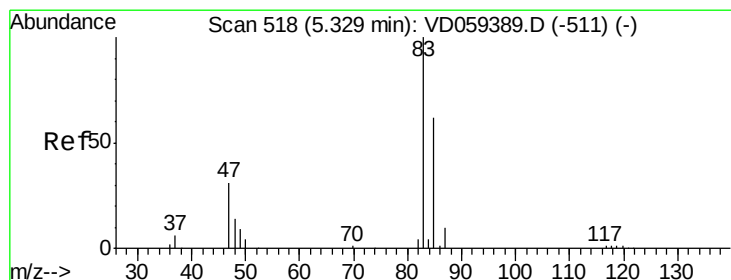
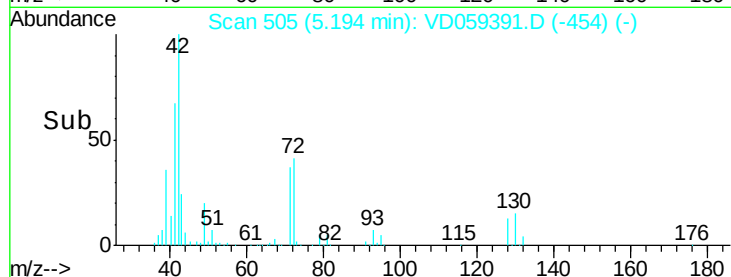
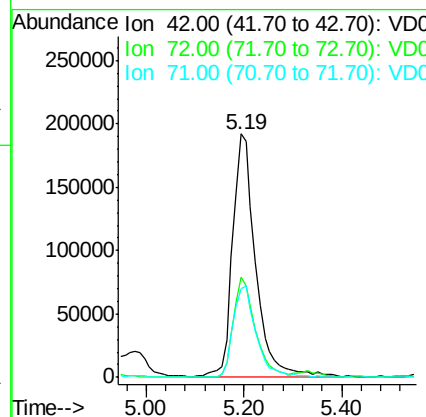
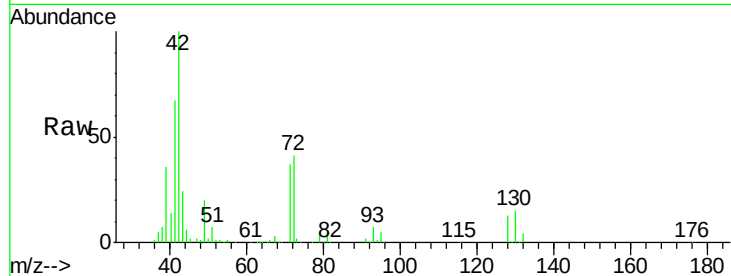




#29
Tetrahydrofuran
Concen: 431.81 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

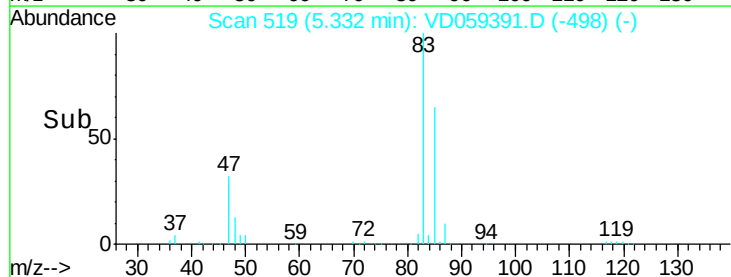
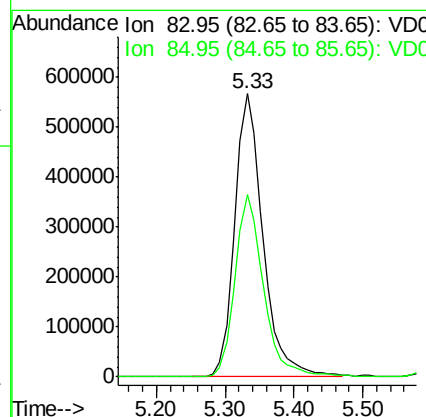
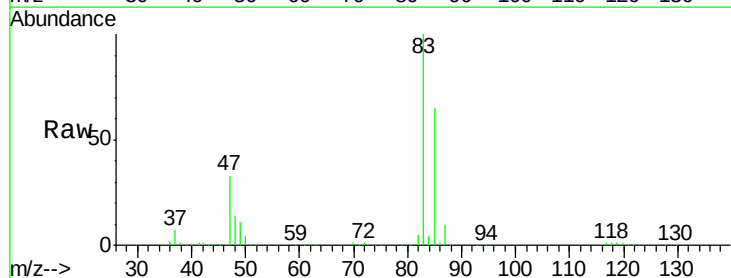
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

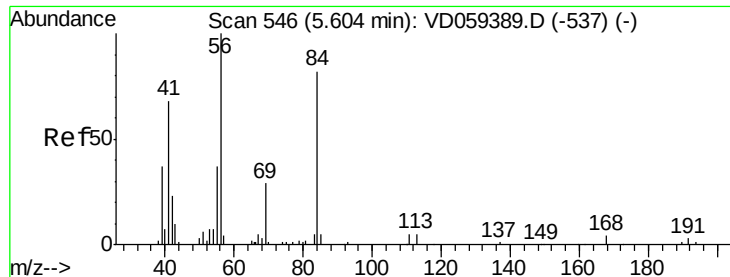
Tot Ion: 42 Resp: 625700
Ion Ratio Lower Upper
42 100
72 39.3 31.4 47.2
71 38.1 29.7 44.5



#30
Chloroform
Concen: 96.46 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 83 Resp: 1612062
Ion Ratio Lower Upper
83 100
85 64.6 49.3 73.9

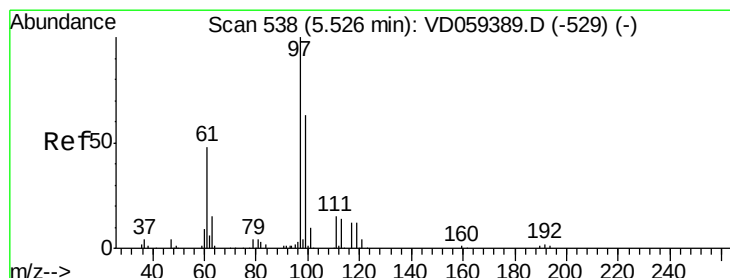
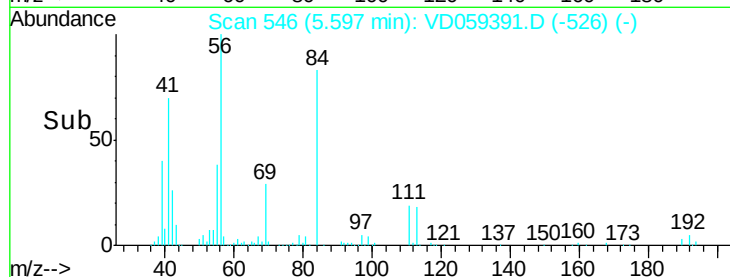
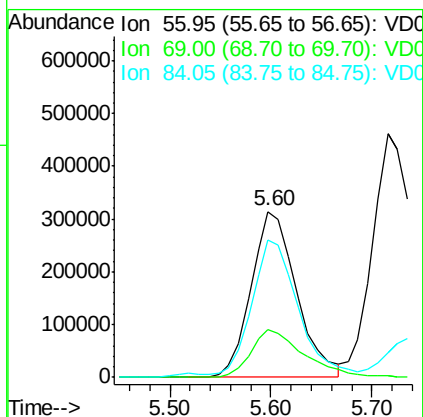
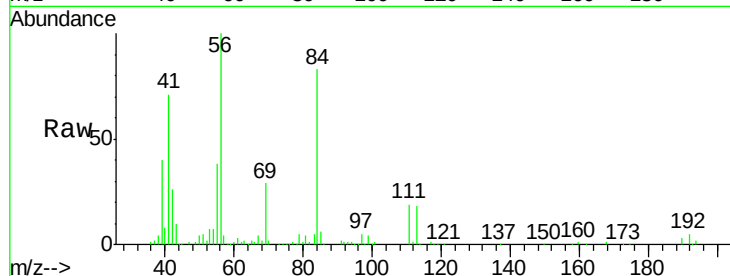




#31
Cyclohexane
Concen: 74.20 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

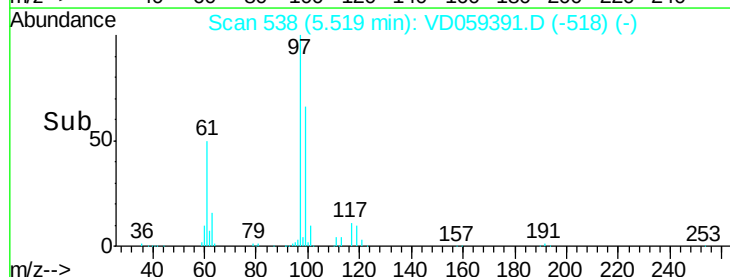
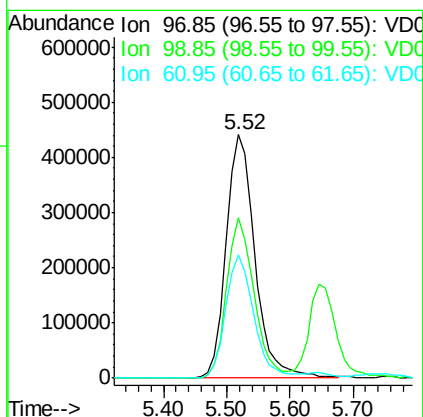
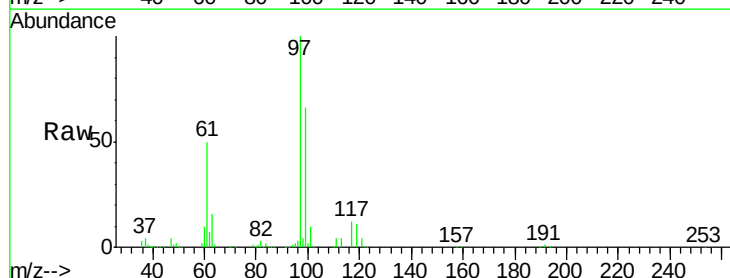
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

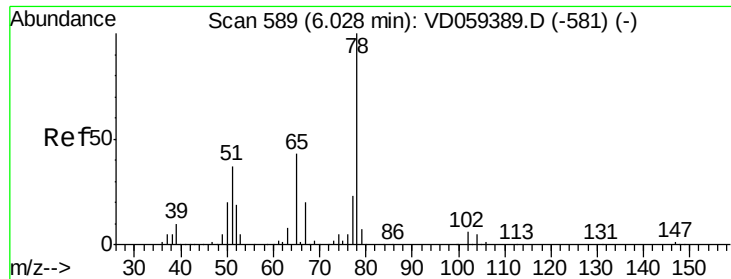
Tot Ion: 56 Resp: 987496
Ion Ratio Lower Upper
56 100
69 28.7 22.9 34.3
84 82.9 67.3 100.9



#32
1,1,1-Trichloroethane
Concen: 100.80 ug/l
RT: 5.52 min Scan# 538
Delta R.T. -0.01 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 97 Resp: 1393217
Ion Ratio Lower Upper
97 100
99 65.8 50.2 75.4
61 50.5 38.6 57.8

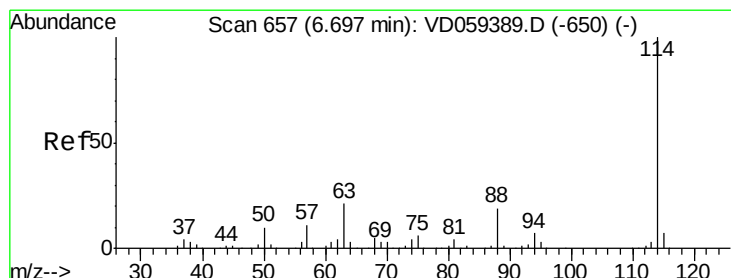
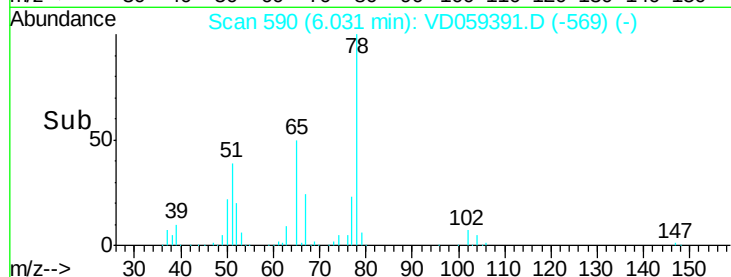
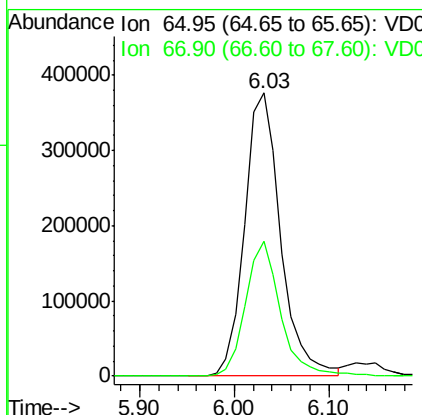
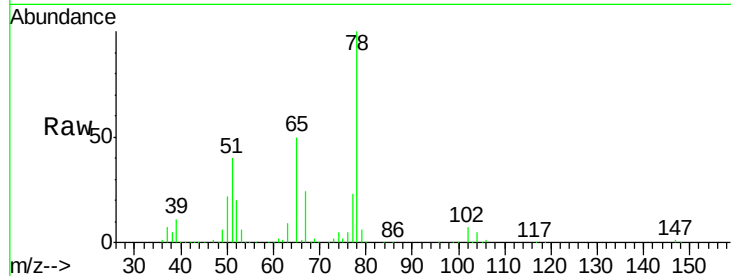




#33
 1,2-Dichloroethane-d4
 Concen: 100.80 ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

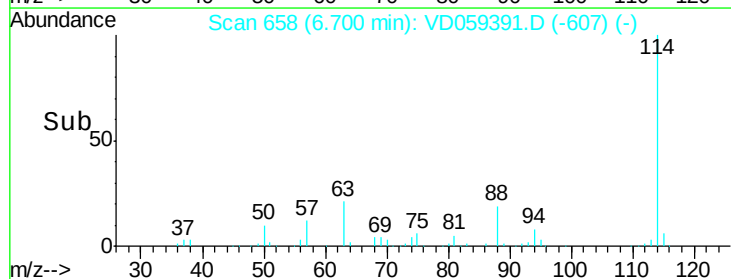
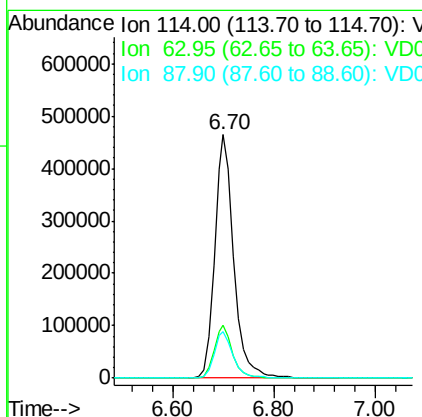
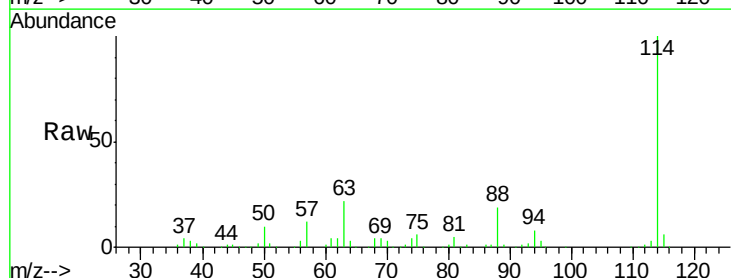
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

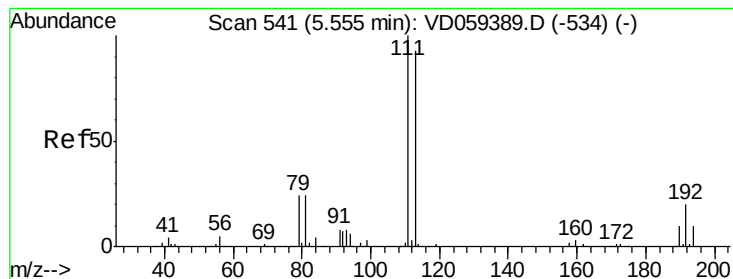
Tot Ion: 65 Resp: 993453
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 93.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion: 114 Resp: 1228070
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.4
 88 19.2 0.0 38.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

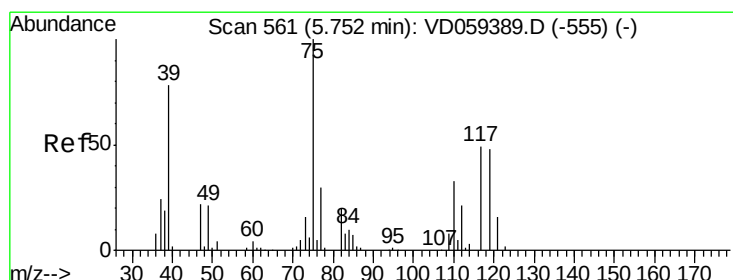
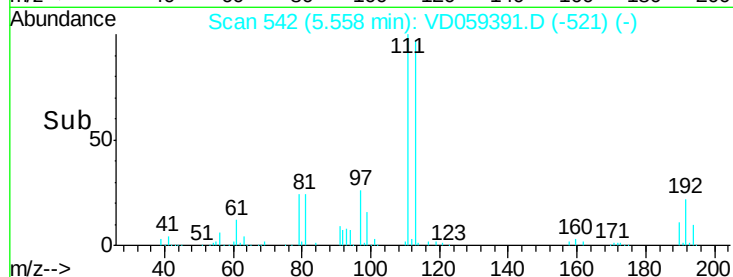
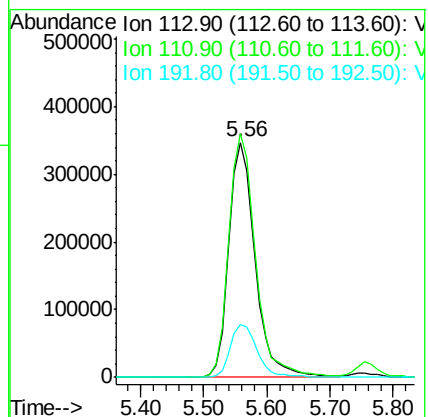
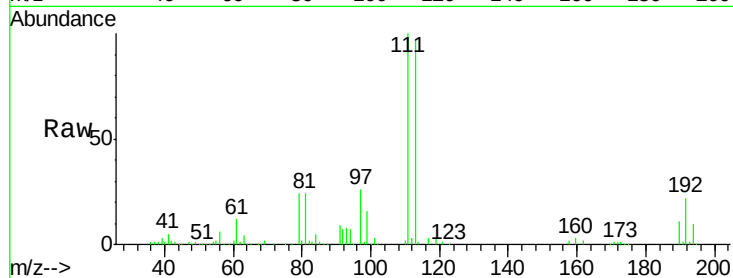
Tot Ion:113 Resp: 1002765

Ion Ratio Lower Upper

113 100

111 103.6 85.7 128.5

192 22.4 16.9 25.3



#36

1,1-Dichloropropene

Concen: 83.78 ug/l

RT: 5.75 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

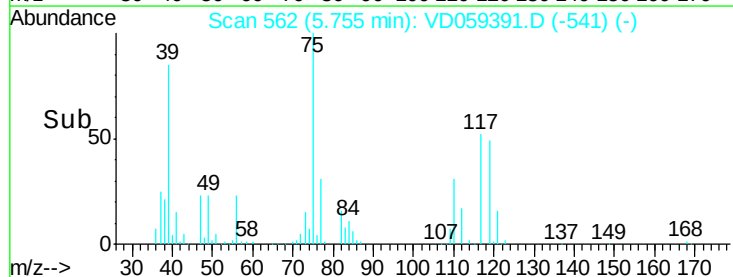
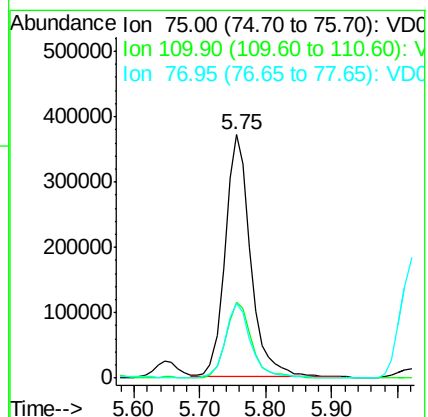
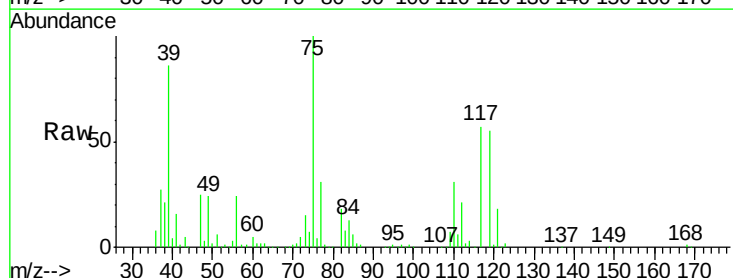
Tgt Ion: 75 Resp: 1001687

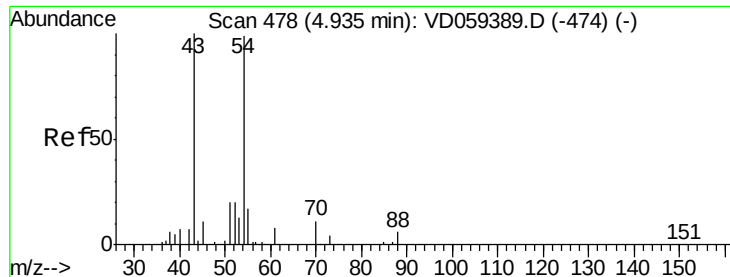
Ion Ratio Lower Upper

75 100

110 31.2 16.1 48.2

77 30.7 23.4 35.2

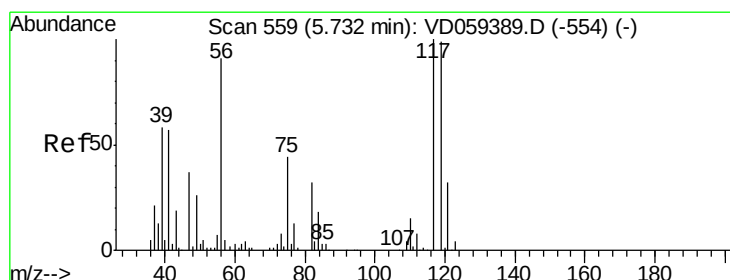
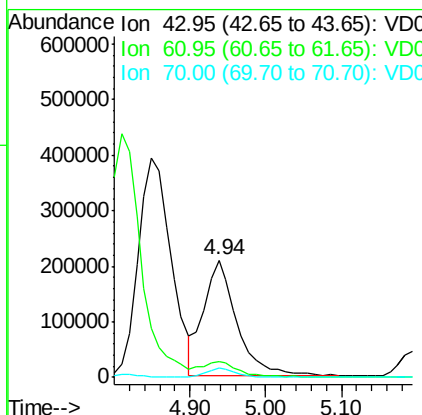
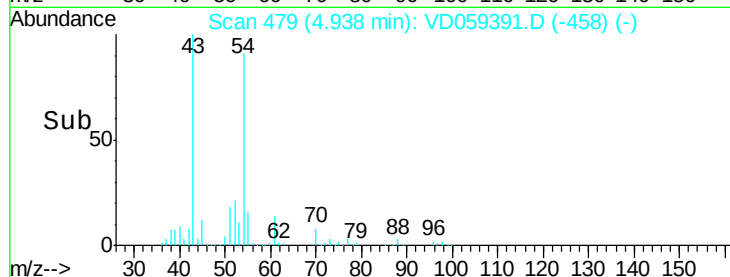
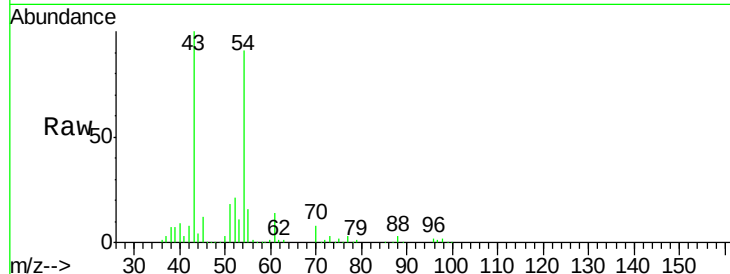




#37
Ethyl Acetate
Concen: 95.72 ug/l
RT: 4.94 min Scan# 479
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

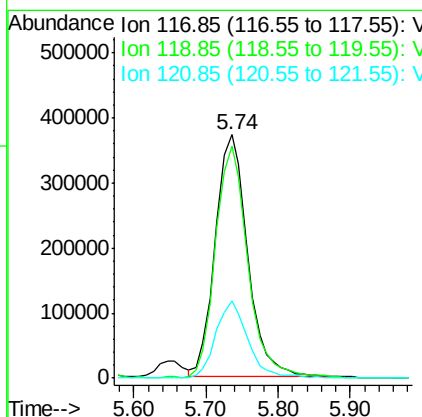
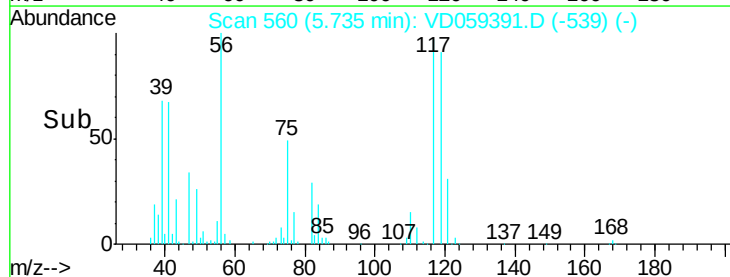
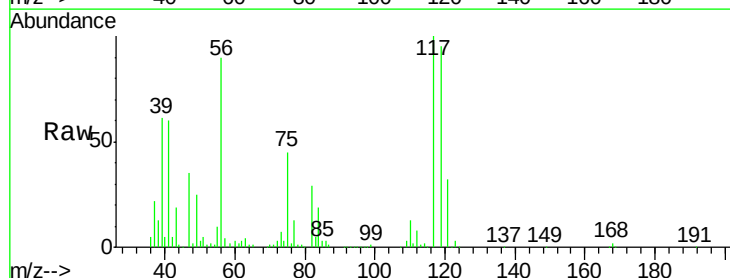
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

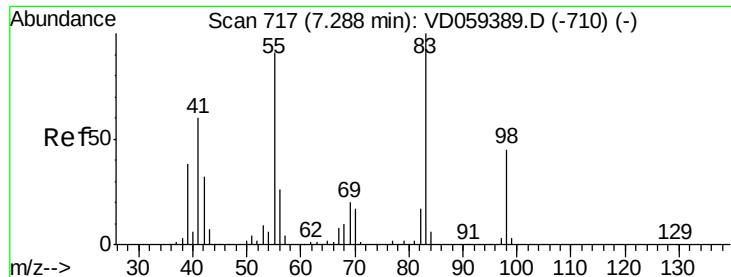
Tot Ion: 43 Resp: 645425
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.8
70 8.4 6.1 9.1



#38
Carbon Tetrachloride
Concen: 97.08 ug/l
RT: 5.74 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 117 Resp: 1156860
Ion Ratio Lower Upper
117 100
119 95.1 76.6 115.0
121 31.8 25.0 37.4

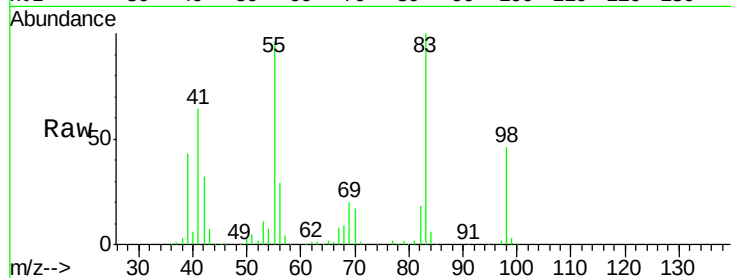




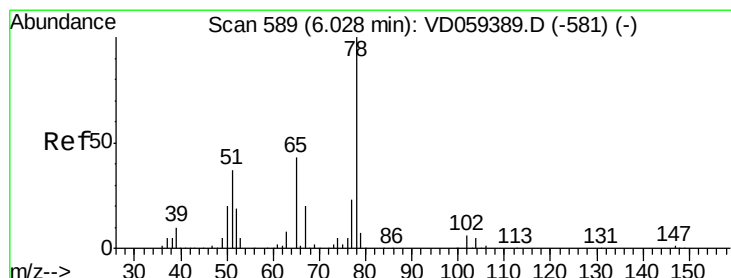
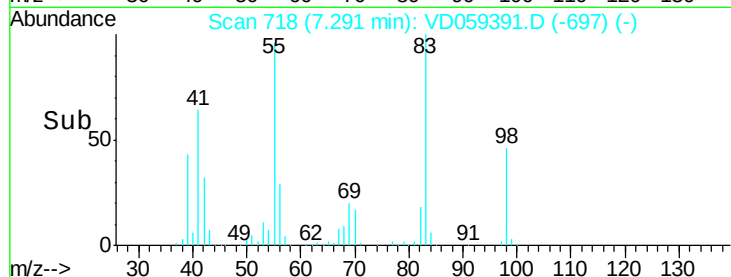
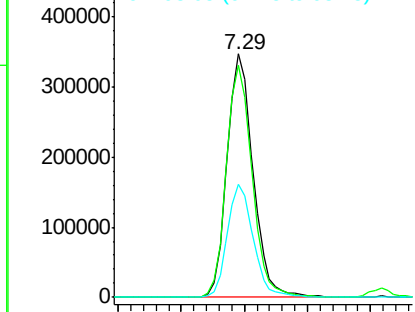
#39
Methylcyclohexane
Concen: 85.30 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 988624
Ion Ratio Lower Upper
83 100
55 95.5 72.6 109.0
98 46.2 35.8 53.6

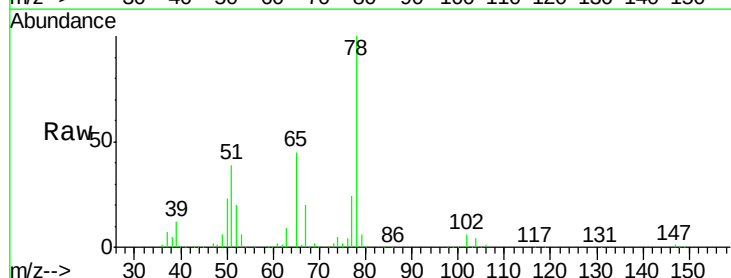


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

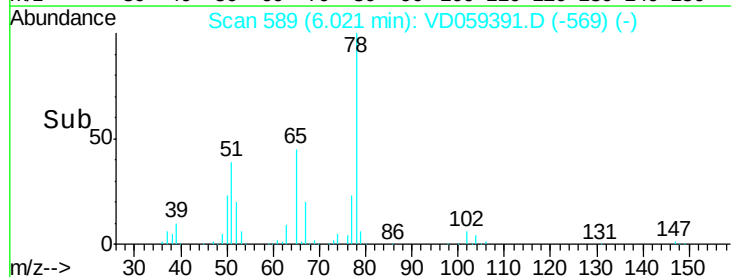
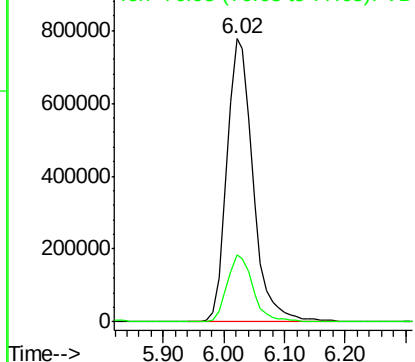


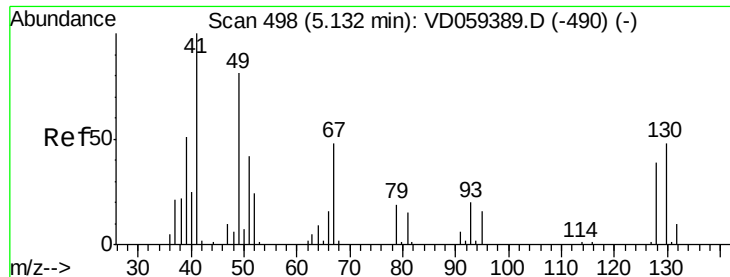
#40
Benzene
Concen: 81.35 ug/l
RT: 6.02 min Scan# 589
Delta R.T. -0.01 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 78 Resp: 2327035
Ion Ratio Lower Upper
78 100
77 23.7 18.1 27.1



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





#41

Methacrylonitrile

Concen: 90.63 ug/l

RT: 5.13 min Scan# 499

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 302632

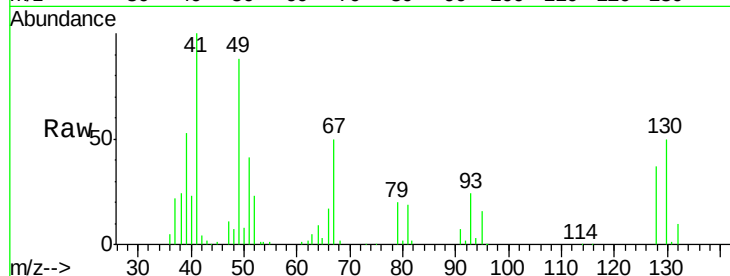
Ion Ratio Lower Upper

41 100

39 52.8 41.5 62.3

67 50.2 38.7 58.1

52 23.0 19.4 29.2

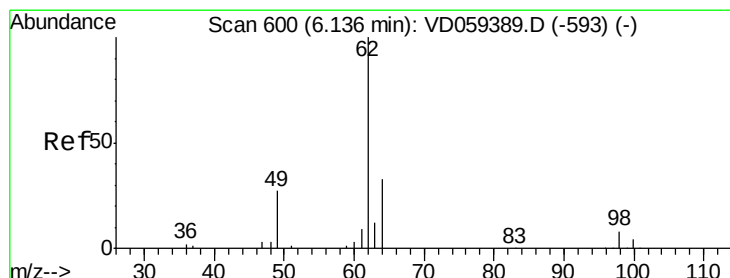
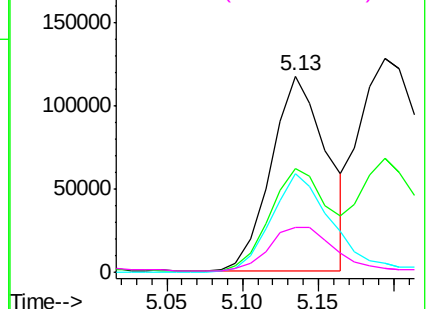
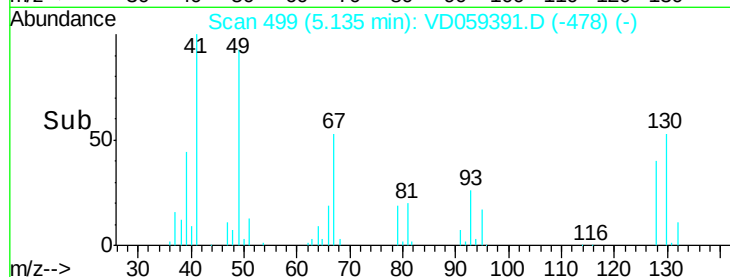


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 100.16 ug/l

RT: 6.14 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD059391.D

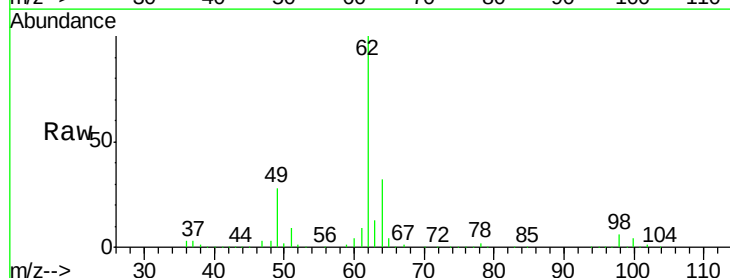
Acq: 25 Jun 2018 2:15

Tgt Ion: 62 Resp: 1163192

Ion Ratio Lower Upper

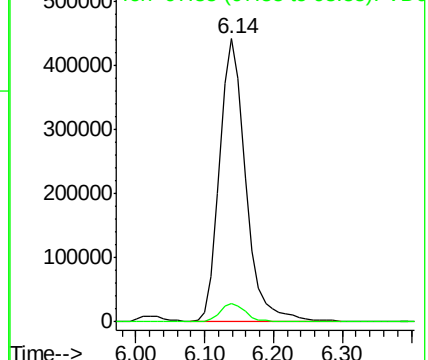
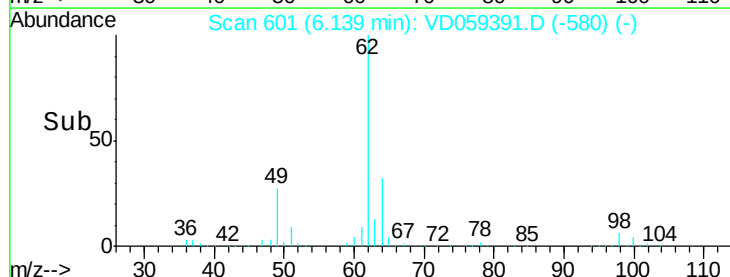
62 100

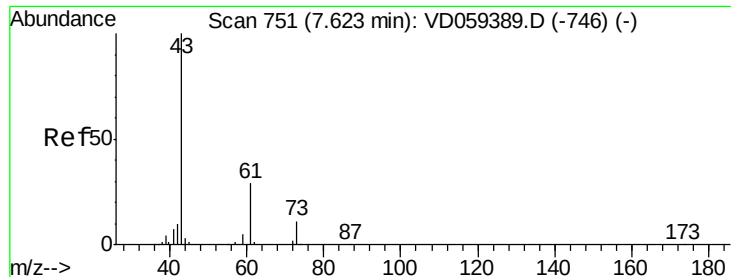
98 6.4 0.0 15.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 95.64 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

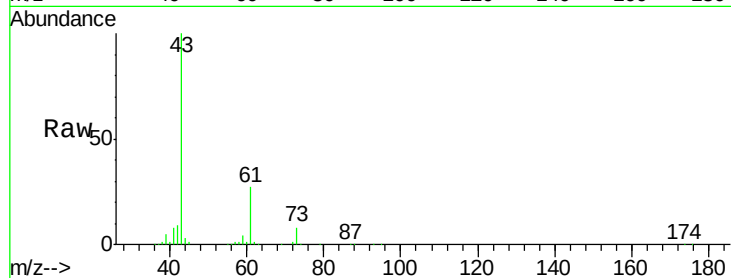
Tot Ion: 43 Resp: 853287

Ion Ratio Lower Upper

43 100

61 27.0 23.1 34.7

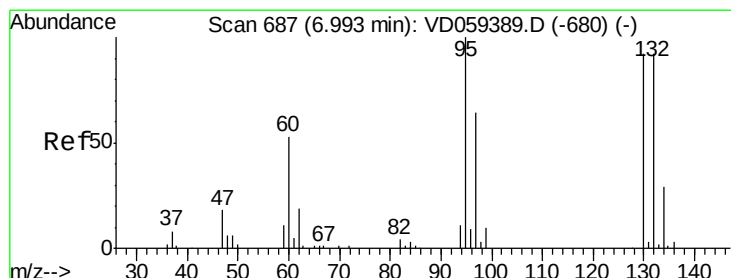
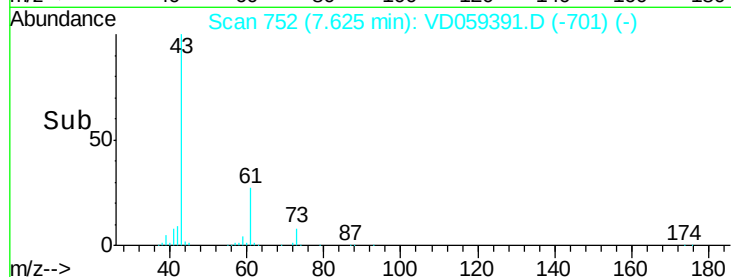
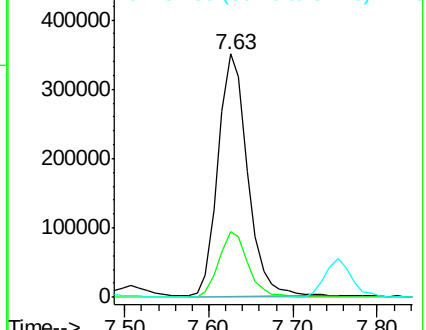
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 92.14 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VD059391.D

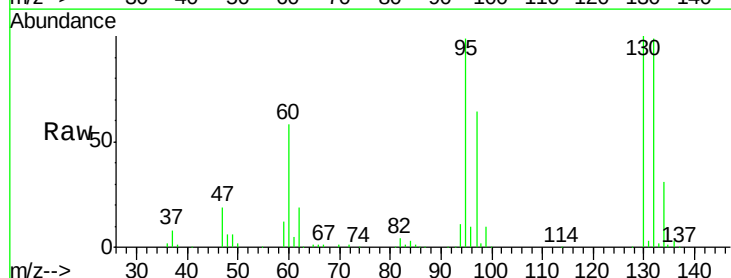
Acq: 25 Jun 2018 2:15

Tgt Ion:130 Resp: 795488

Ion Ratio Lower Upper

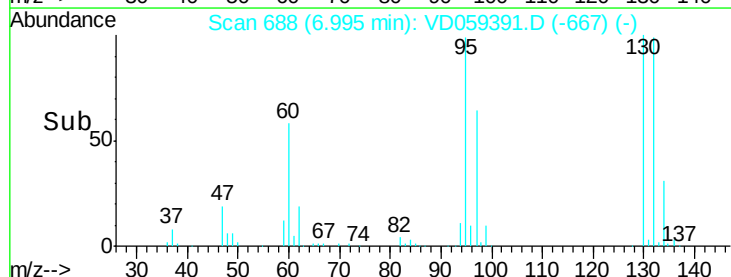
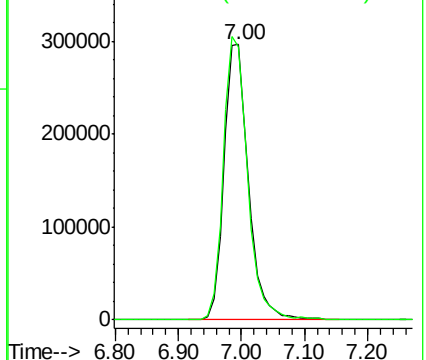
130 100

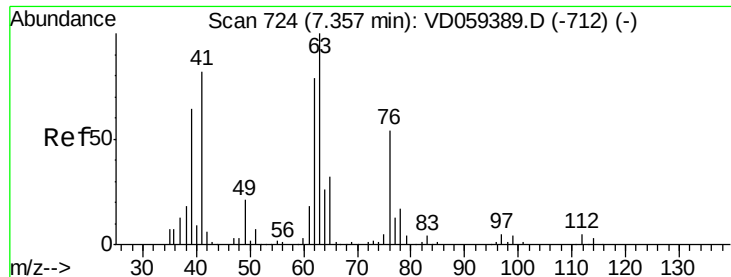
95 99.4 0.0 216.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

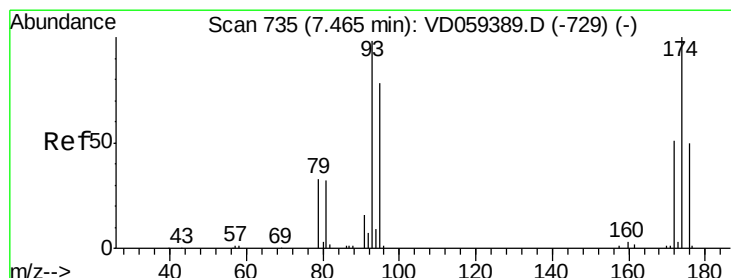
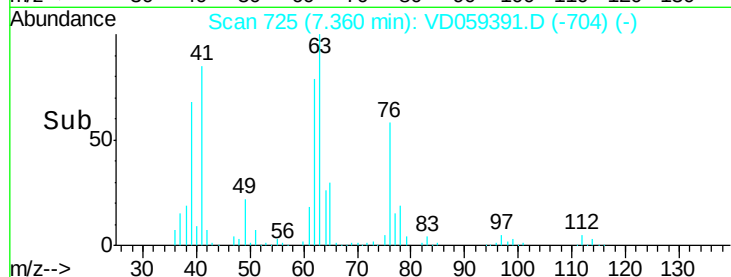
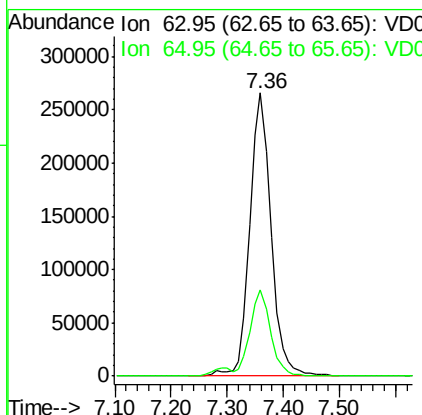
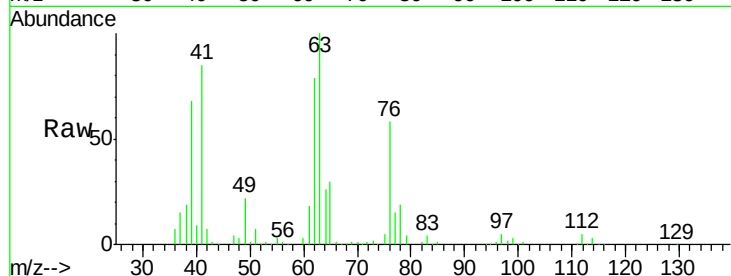




#45
 1,2-Dichloropropane
 Concen: 91.96 ug/l
 RT: 7.36 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

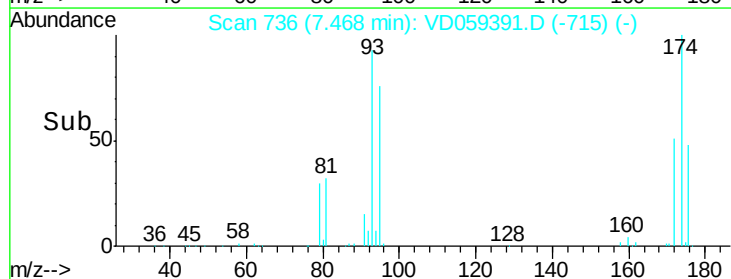
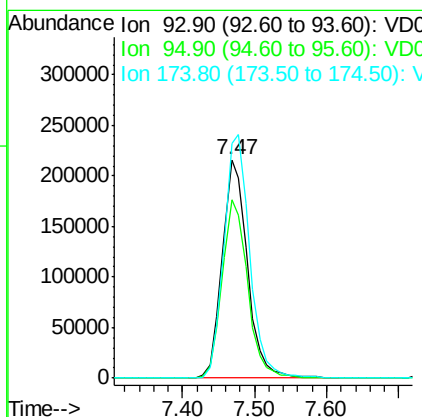
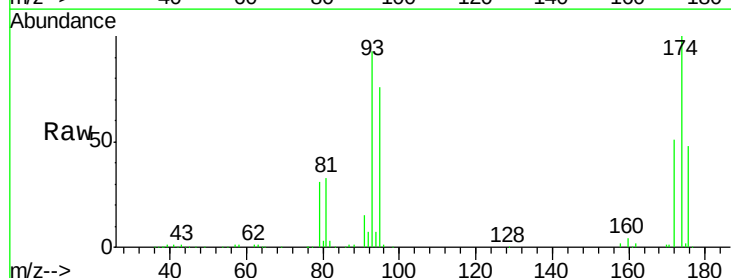
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

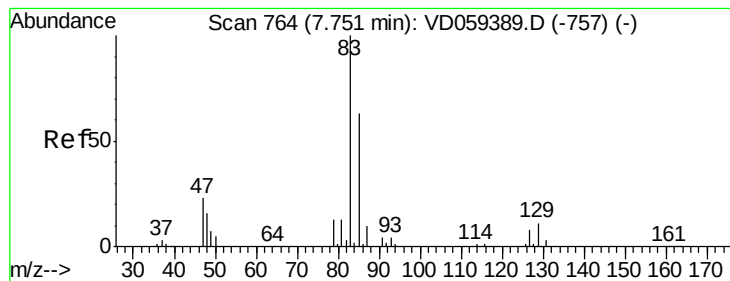
Tot Ion: 63 Resp: 701559
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.7 38.5



#46
 Dibromomethane
 Concen: 99.38 ug/l
 RT: 7.47 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion: 93 Resp: 522385
 Ion Ratio Lower Upper
 93 100
 95 81.7 63.4 95.0
 174 107.5 81.4 122.2





#47

Bromodichloromethane

Concen: 100.27 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

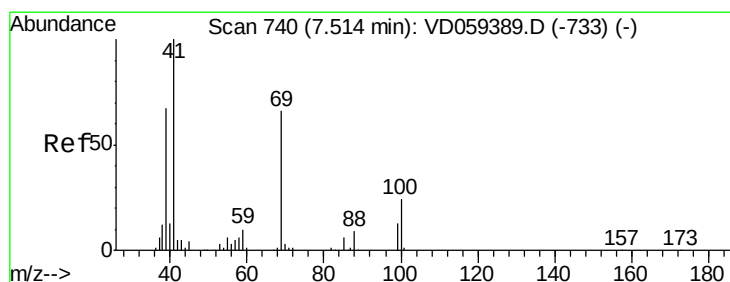
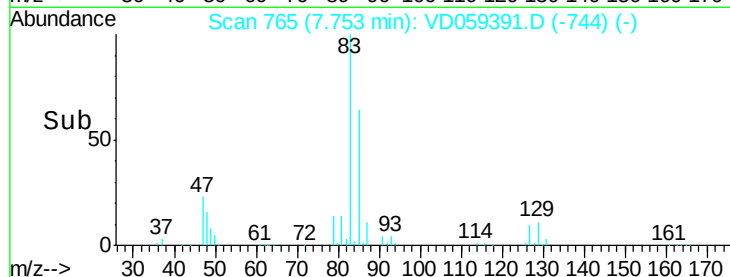
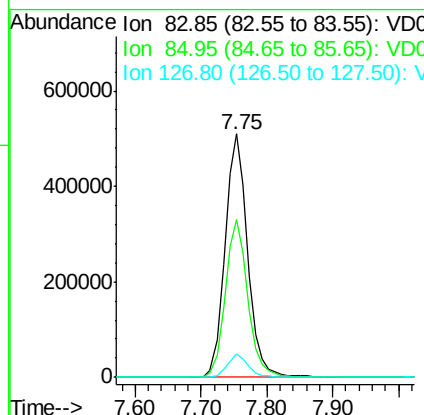
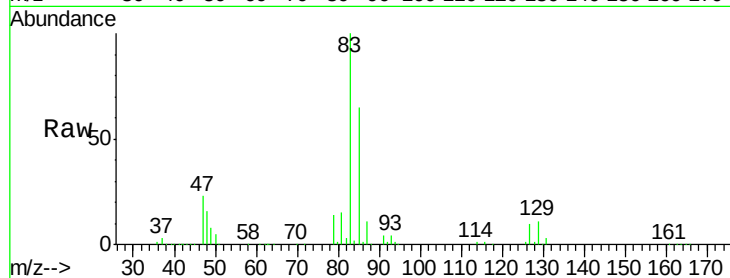
Tot Ion: 83 Resp: 1218501

Ion Ratio Lower Upper

83 100

85 65.0 50.1 75.1

127 9.7 6.1 9.1#



#48

Methyl methacrylate

Concen: 96.50 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

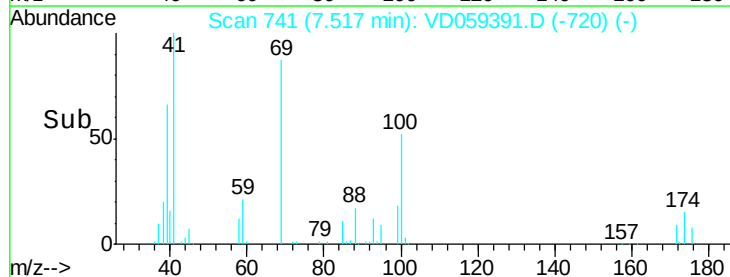
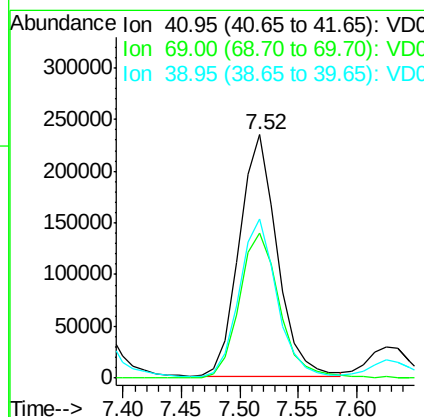
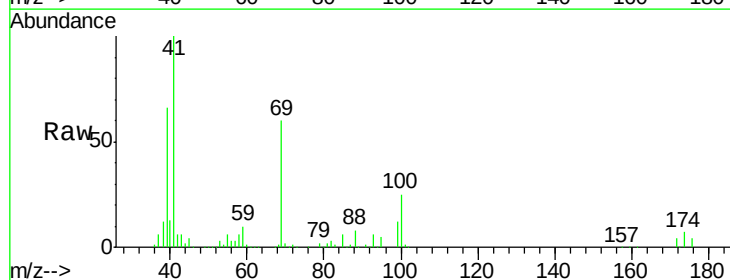
Tgt Ion: 41 Resp: 524268

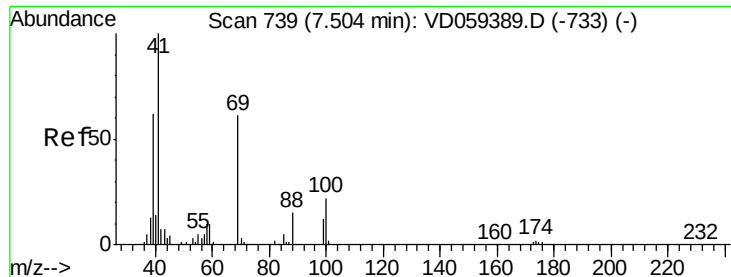
Ion Ratio Lower Upper

41 100

69 59.7 52.6 79.0

39 65.6 53.6 80.4





#49

1,4-Dioxane

Concen: 2075.36 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

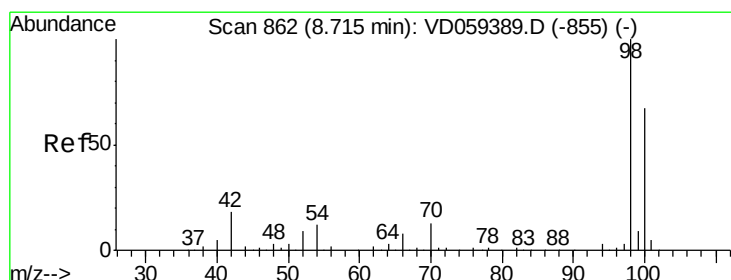
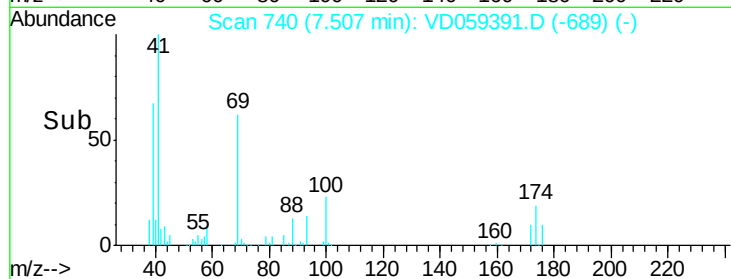
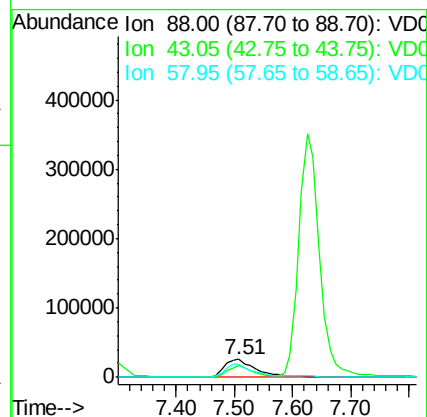
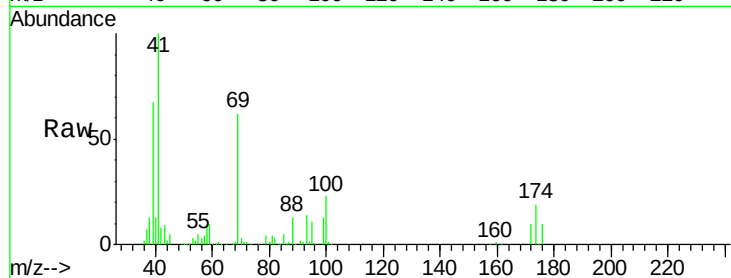
Tot Ion: 88 Resp: 101957

Ion Ratio Lower Upper

88 100

43 67.4 41.0 61.4#

58 70.4 53.4 80.0



#50

Toluene-d8

Concen: 2075.36 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD059391.D

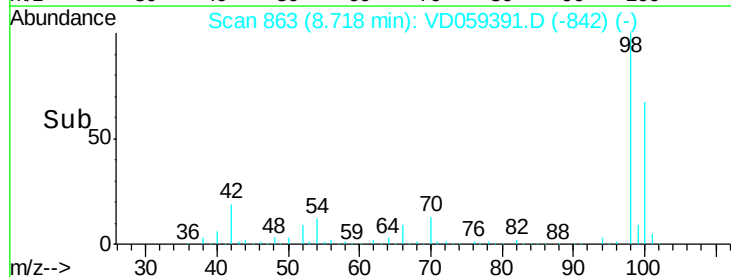
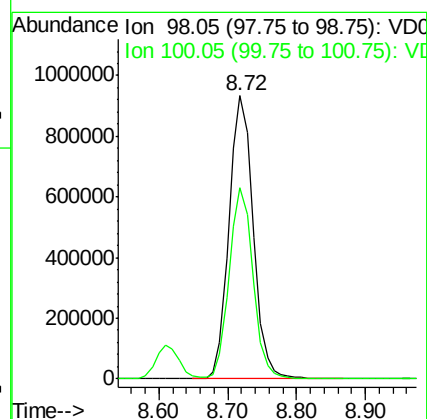
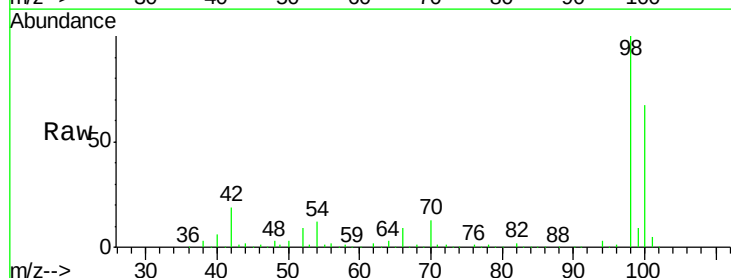
Acq: 25 Jun 2018 2:15

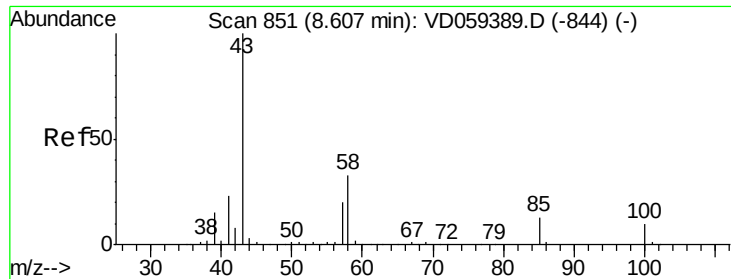
Tgt Ion: 98 Resp: 2270266

Ion Ratio Lower Upper

98 100

100 67.5 54.4 81.6





#51

4-Methyl-2-Pentanone

Concen: 454.52 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

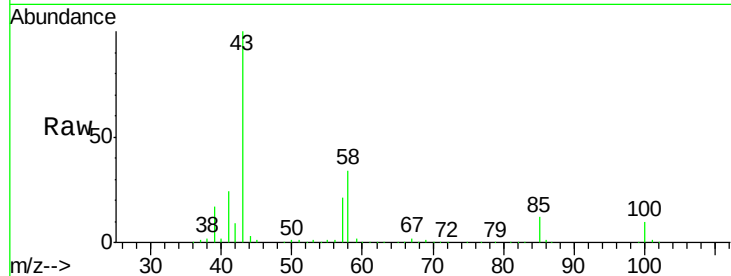
VSTDIC100

Tot Ion: 43 Resp: 2660385

Ion Ratio Lower Upper

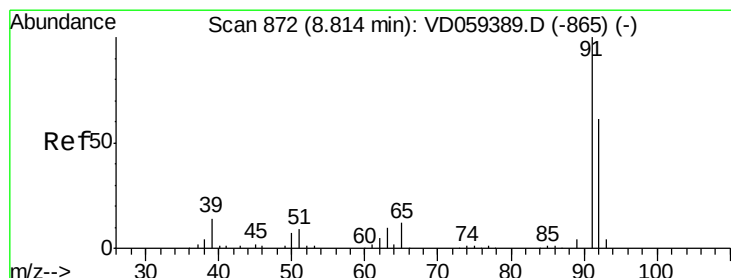
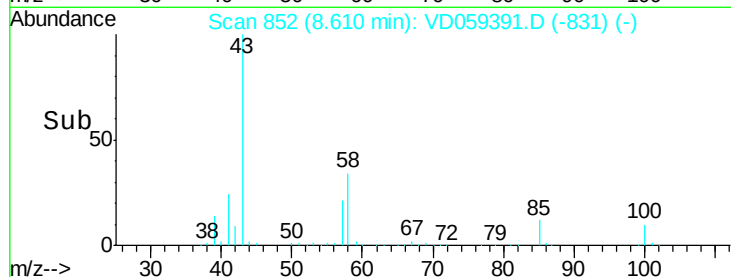
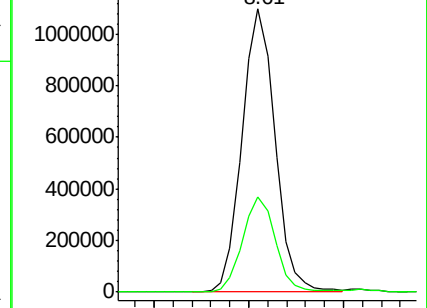
43 100

58 33.5 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 87.20 ug/l

RT: 8.82 min Scan# 873

Delta R.T. 0.00 min

Lab File: VD059391.D

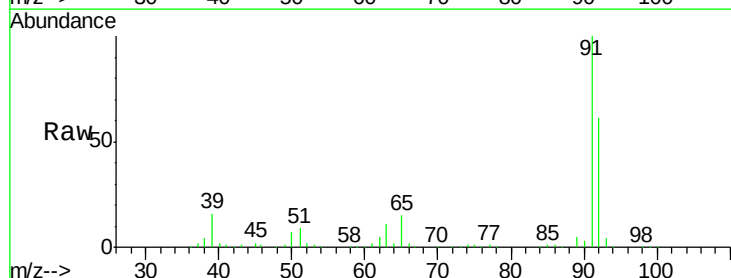
Acq: 25 Jun 2018 2:15

Tgt Ion: 92 Resp: 1424370

Ion Ratio Lower Upper

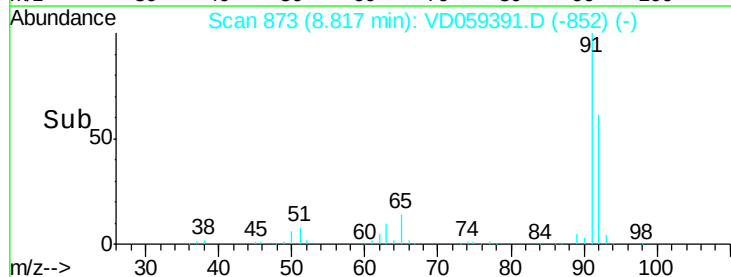
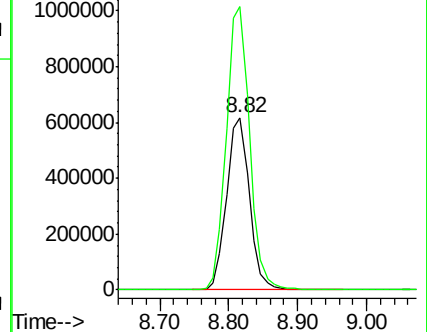
92 100

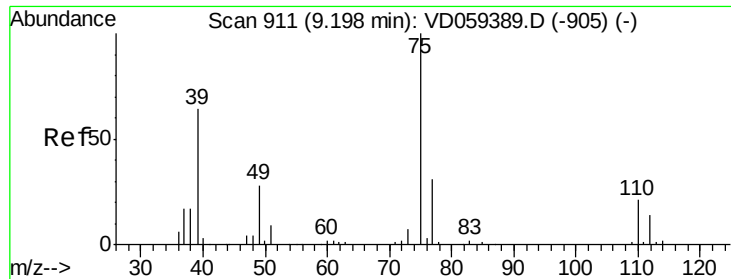
91 164.3 132.2 198.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

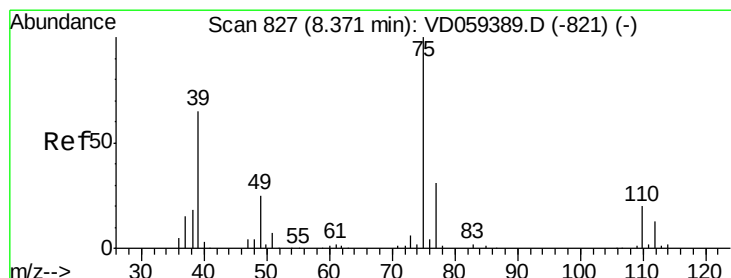
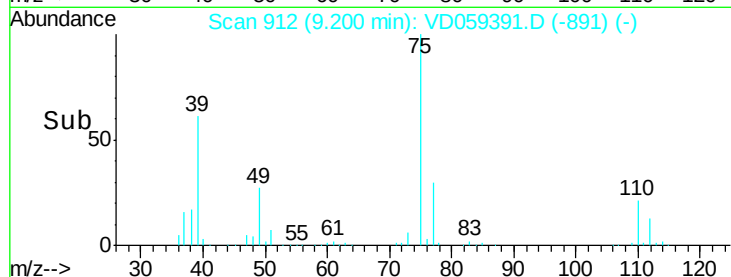
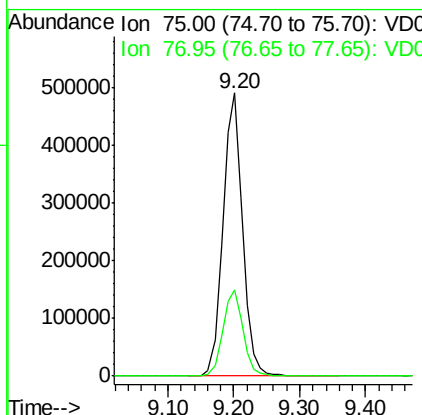
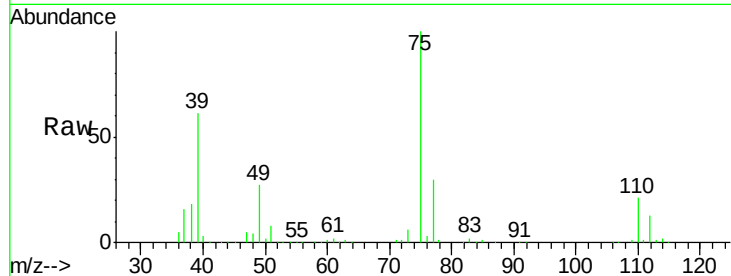




#53
t-1,3-Dichloropropene
Concen: 97.87 ug/l
RT: 9.20 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

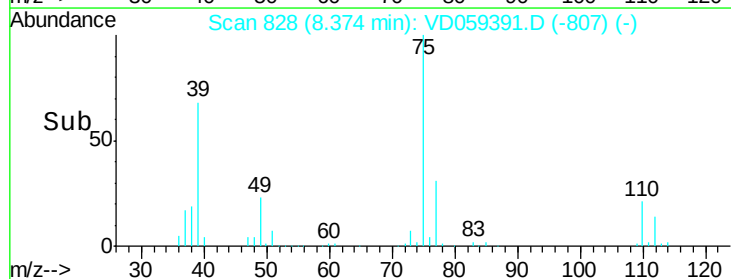
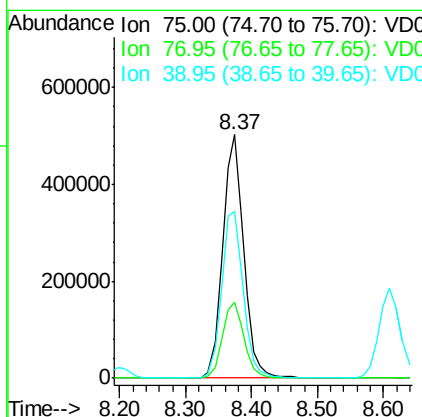
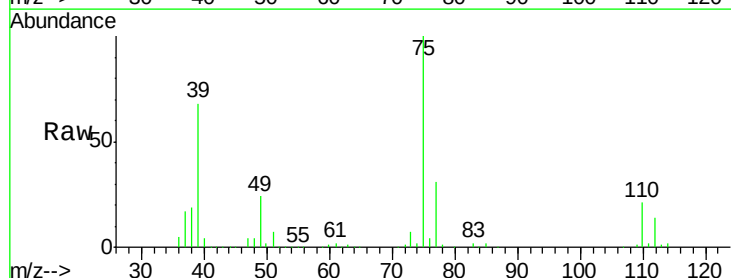
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

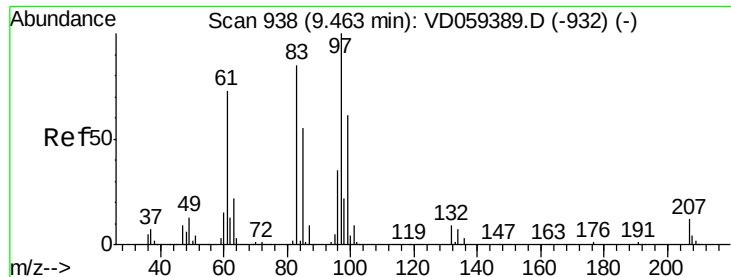
Tot Ion: 75 Resp: 1017088
Ion Ratio Lower Upper
75 100
77 30.3 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 92.78 ug/l
RT: 8.37 min Scan# 828
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 75 Resp: 1121680
Ion Ratio Lower Upper
75 100
77 31.0 24.7 37.1
39 68.5 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 94.54 ug/l

RT: 9.47 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 546887

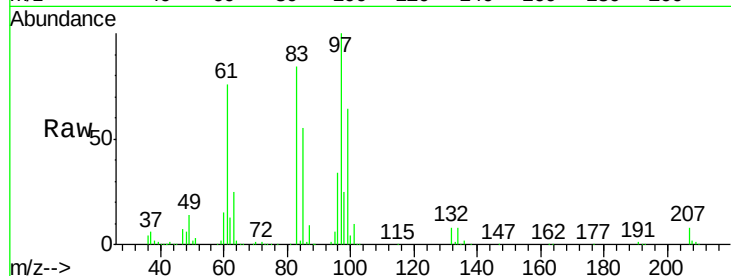
Ion Ratio Lower Upper

97 100

83 83.7 67.7 101.5

85 55.0 44.3 66.5

99 64.3 48.6 73.0

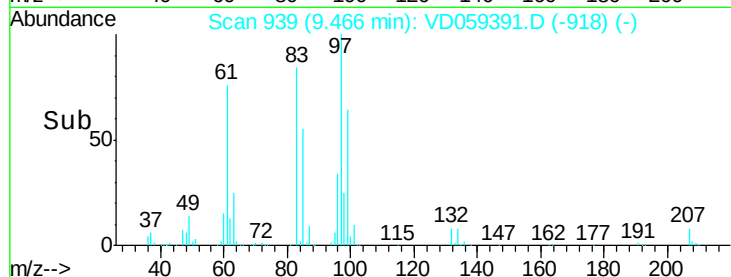


Abundance Ion 96.85 (96.55 to 97.55): VDC

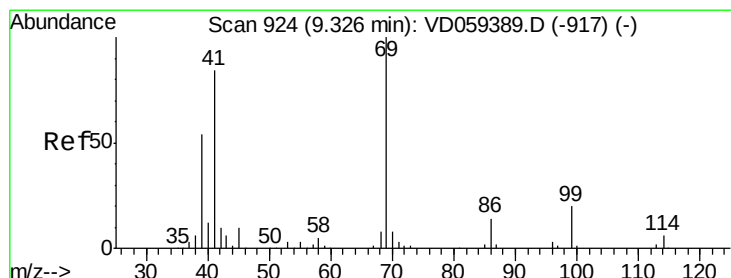
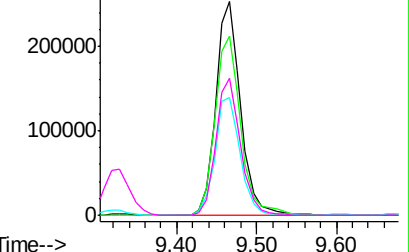
Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



Time-->



#56

Ethyl methacrylate

Concen: 92.58 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.01 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

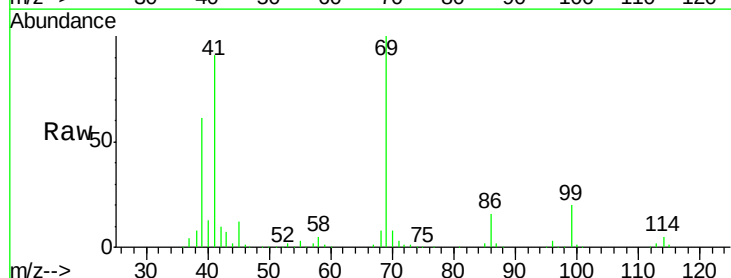
Tgt Ion: 69 Resp: 631258

Ion Ratio Lower Upper

69 100

41 90.8 67.4 101.0

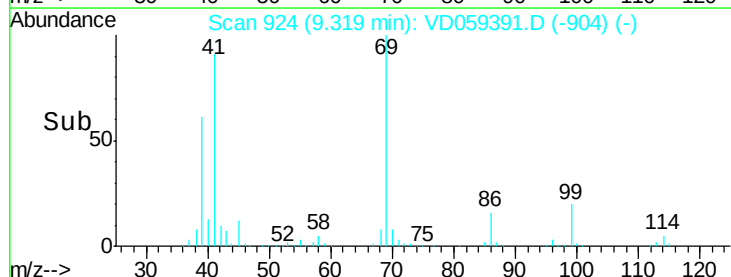
39 60.9 43.7 65.5



Abundance Ion 69.00 (68.70 to 69.70): VDC

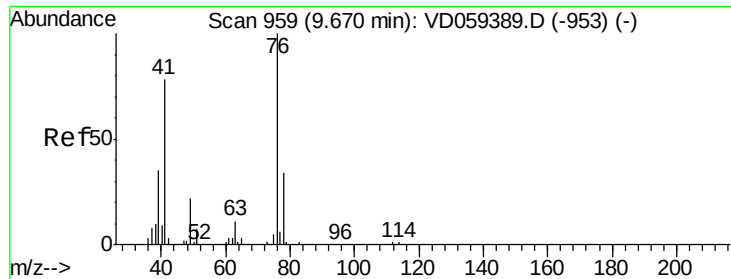
Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



Time-->

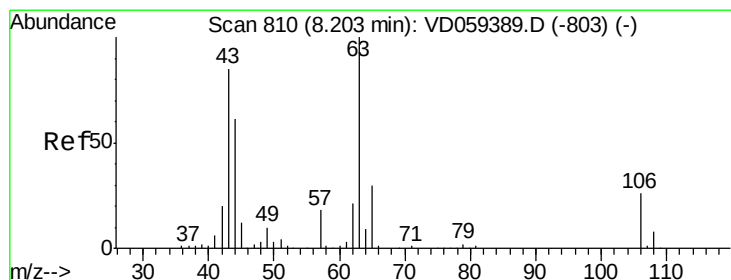
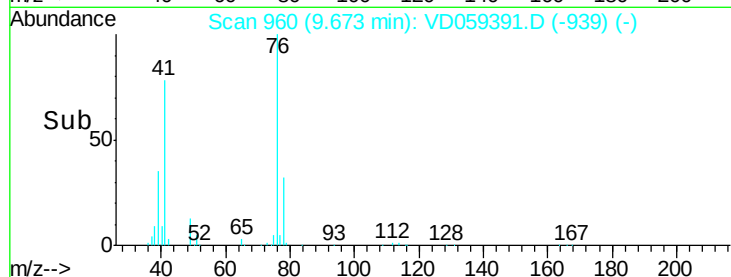
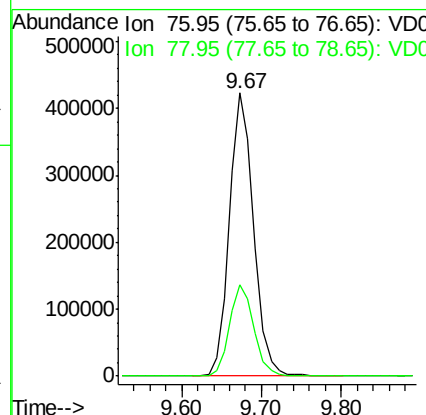
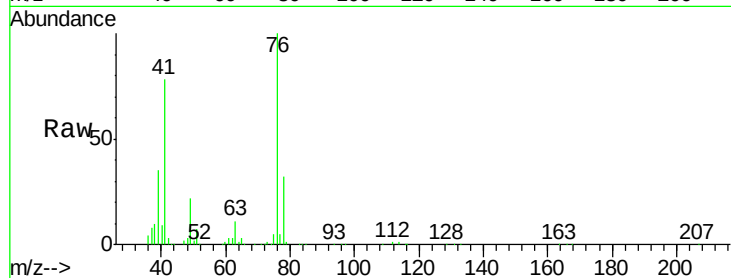




#57
 1,3-Dichloropropane
 Concen: 92.79 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

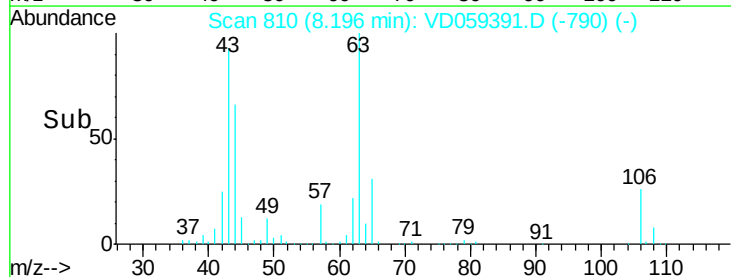
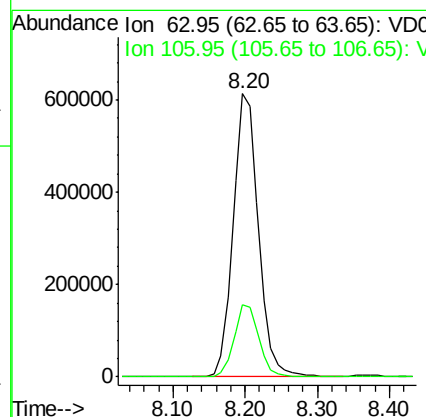
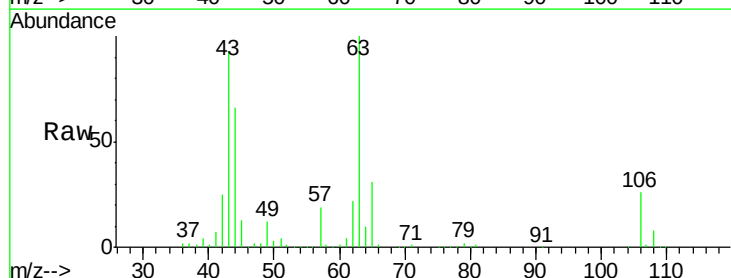
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

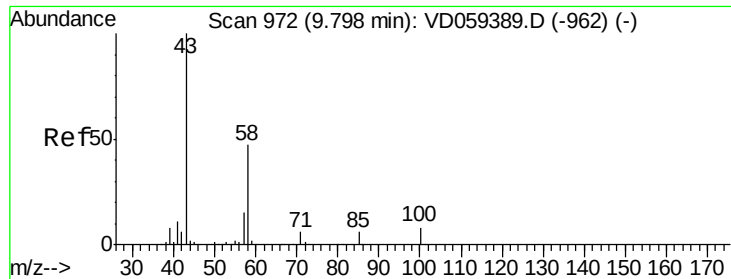
Tot Ion: 76 Resp: 904773
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.8 40.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 441.51 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion: 63 Resp: 1493090
 Ion Ratio Lower Upper
 63 100
 106 25.6 20.6 31.0

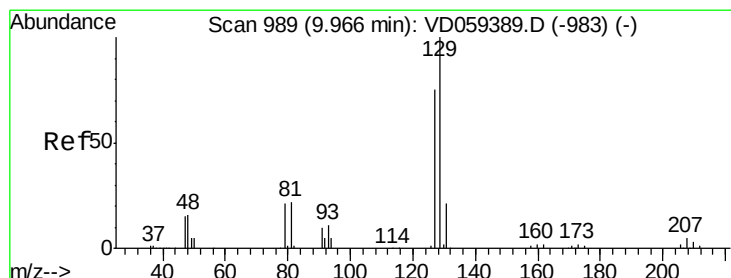
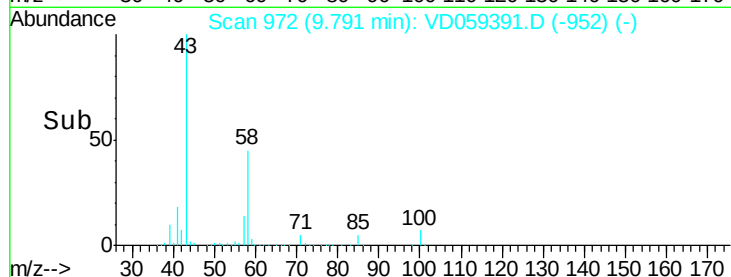
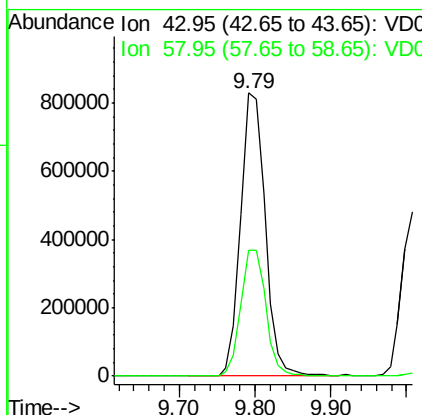
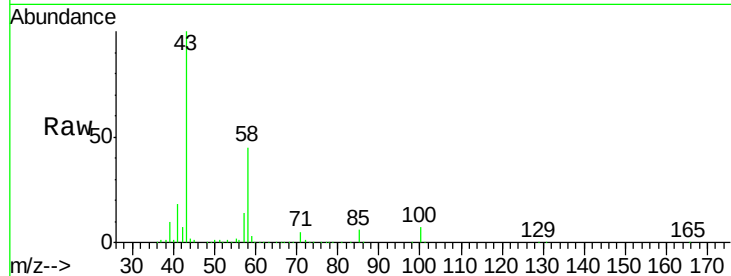




#59
2-Hexanone
Concen: 440.07 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.01 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

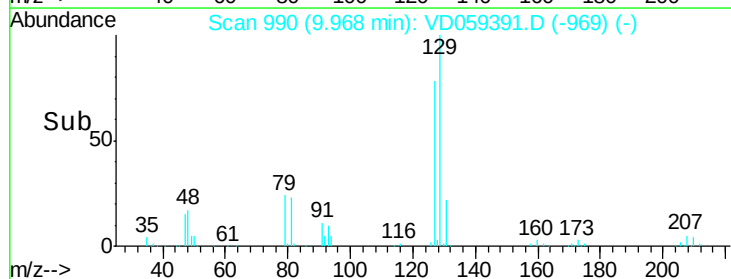
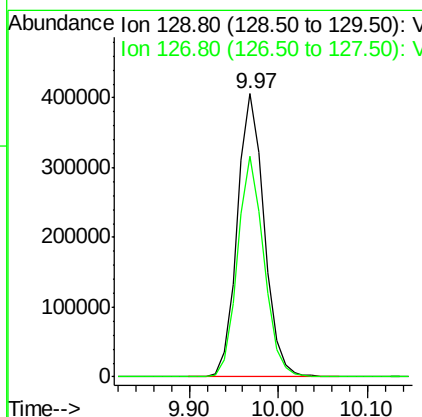
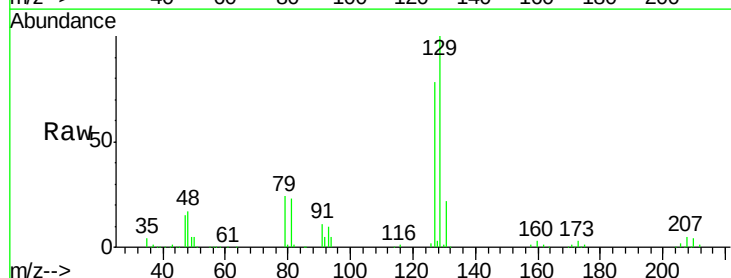
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

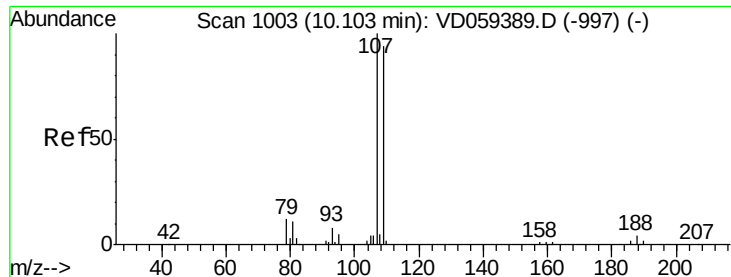
Tot Ion: 43 Resp: 1872283
Ion Ratio Lower Upper
43 100
58 44.5 23.3 69.9



#60
Dibromochloromethane
Concen: 108.27 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 129 Resp: 851839
Ion Ratio Lower Upper
129 100
127 77.9 37.3 111.8





#61

1,2-Dibromoethane

Concen: 100.61 ug/l

RT: 10.11 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

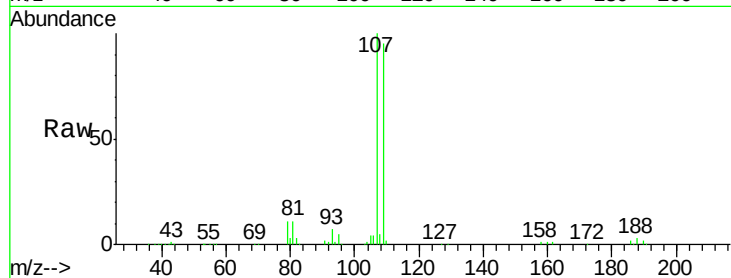
VSTDIC100

Tot Ion:107 Resp: 632899

Ion Ratio Lower Upper

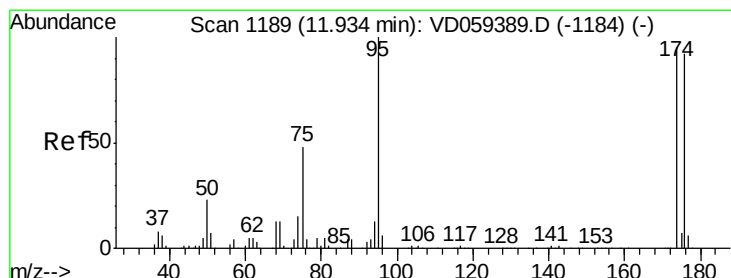
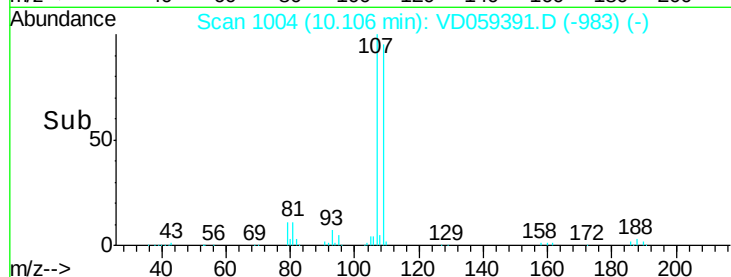
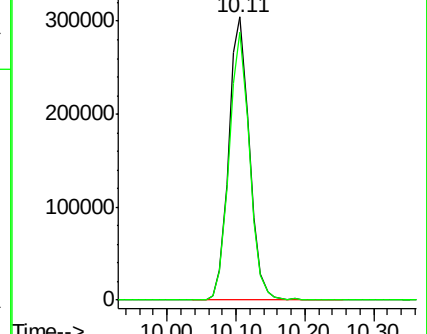
107 100

109 94.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 100.61 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

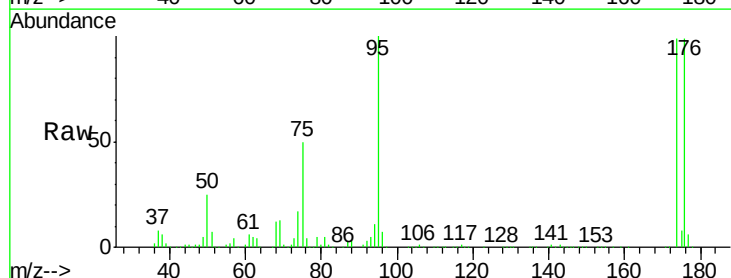
Tgt Ion: 95 Resp: 914674

Ion Ratio Lower Upper

95 100

174 99.4 0.0 190.4

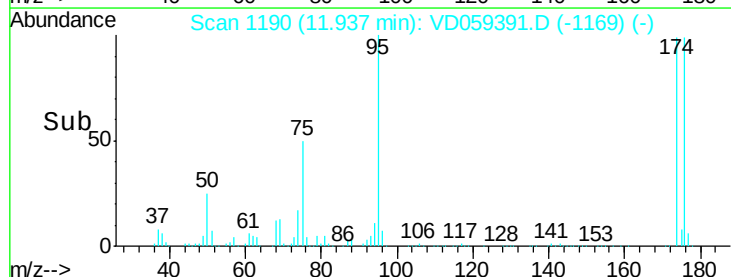
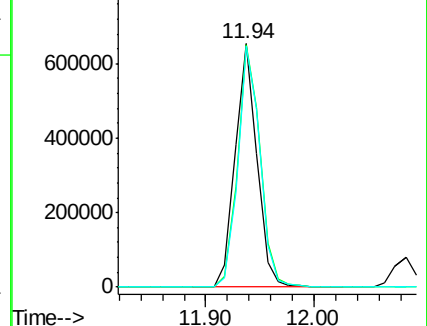
176 98.8 0.0 183.2

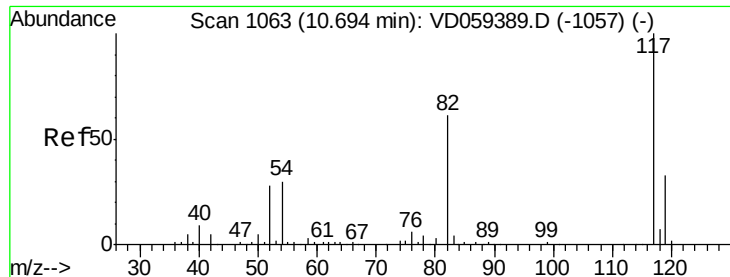


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

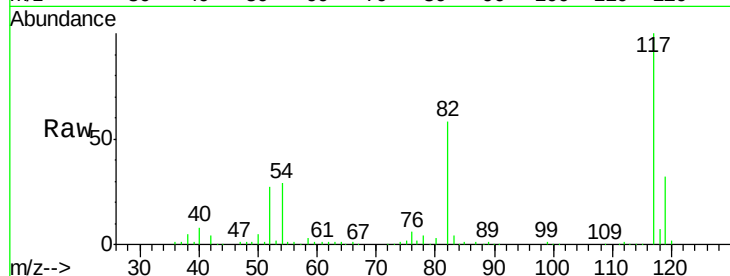




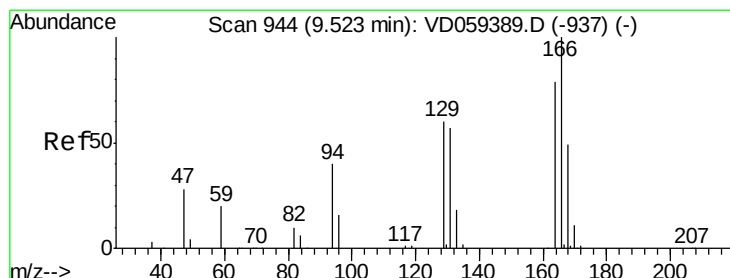
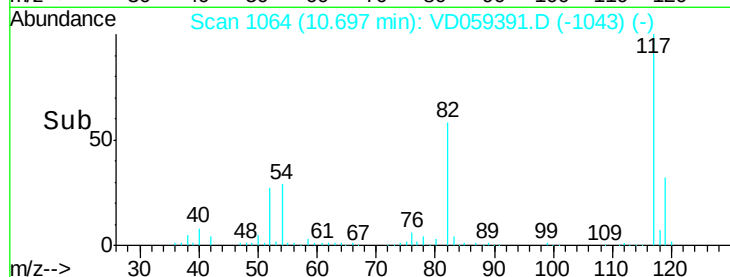
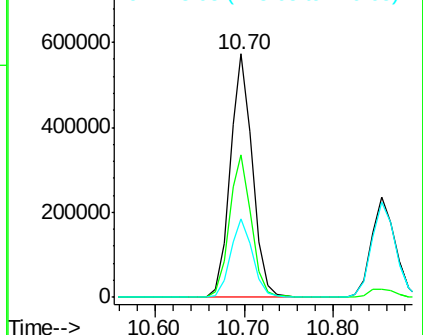
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1000445
Ion Ratio Lower Upper
117 100
82 58.3 49.0 73.6
119 32.1 26.2 39.4

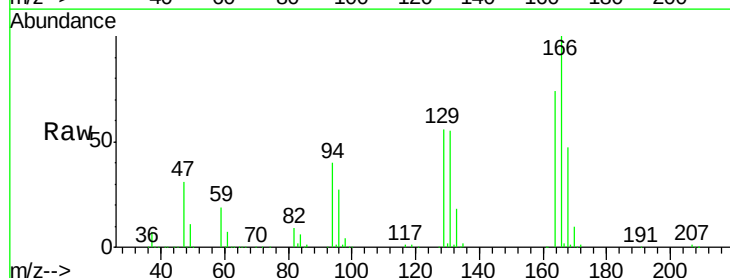


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

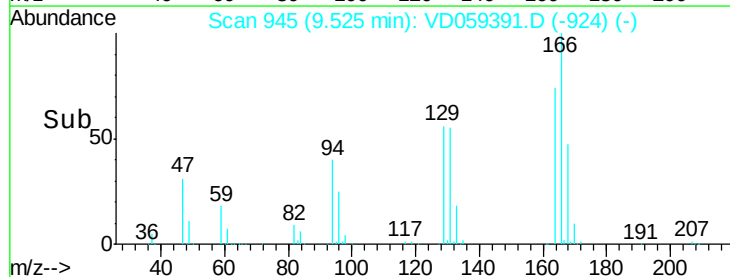
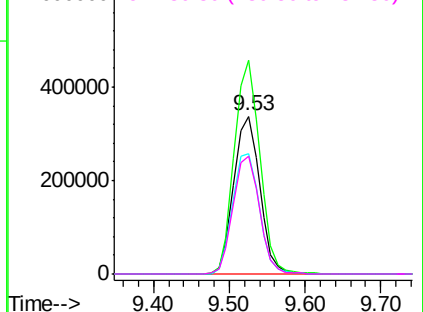


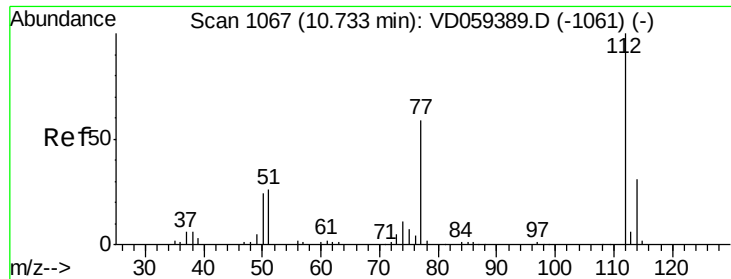
#64
Tetrachloroethene
Concen: 95.75 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion:164 Resp: 805441
Ion Ratio Lower Upper
164 100
166 135.1 101.4 152.2
129 76.3 60.9 91.3
131 74.2 58.2 87.4



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

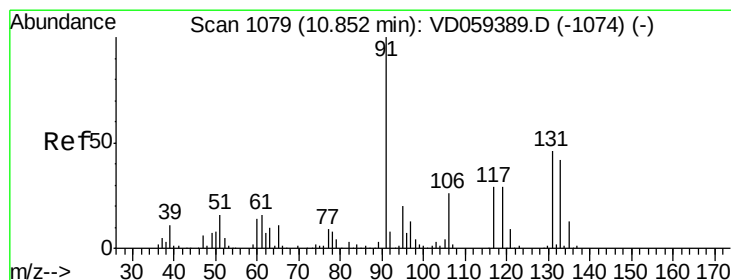
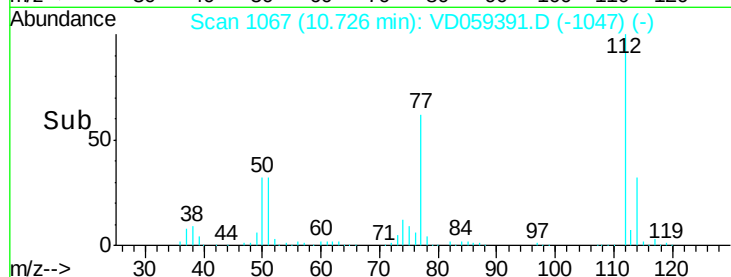
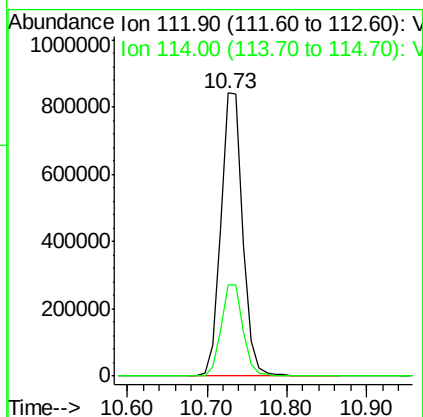
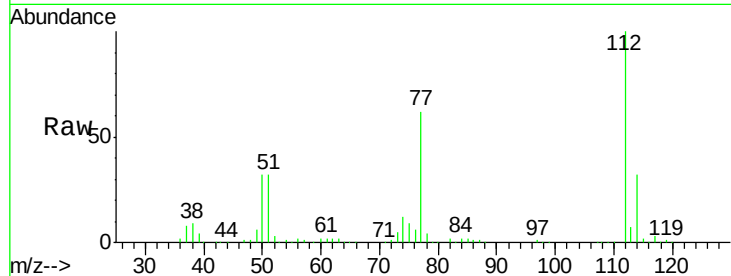




#65
Chlorobenzene
Concen: 87.72 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

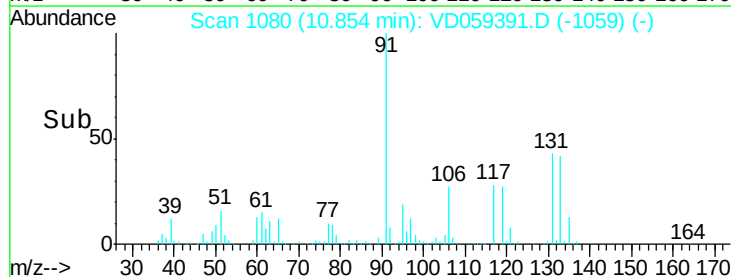
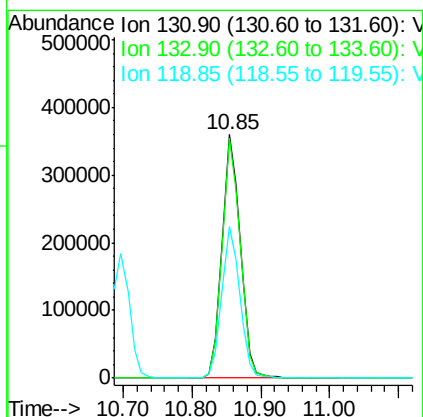
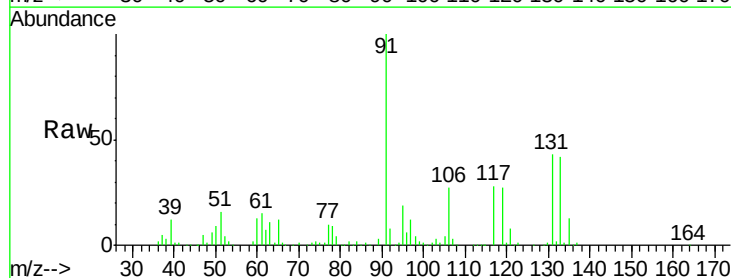
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

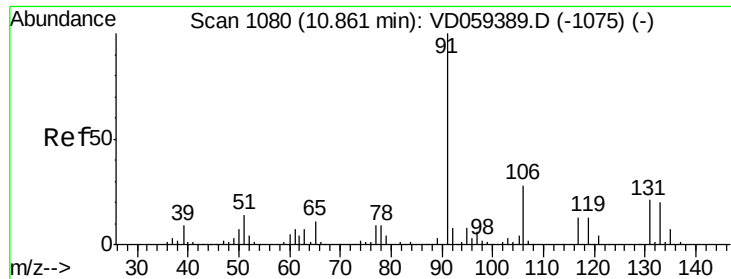
Tot Ion:112 Resp: 1632024
Ion Ratio Lower Upper
112 100
114 32.2 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 91.59 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion:131 Resp: 663404
Ion Ratio Lower Upper
131 100
133 98.7 45.7 137.1
119 62.2 32.3 96.9

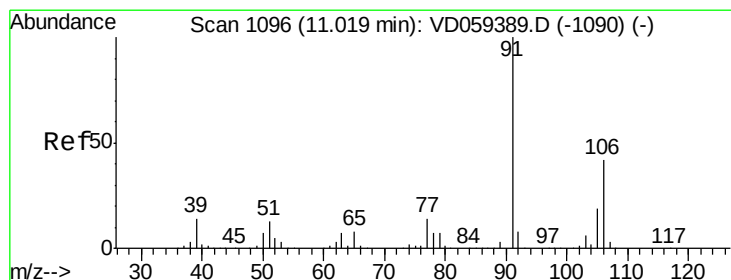
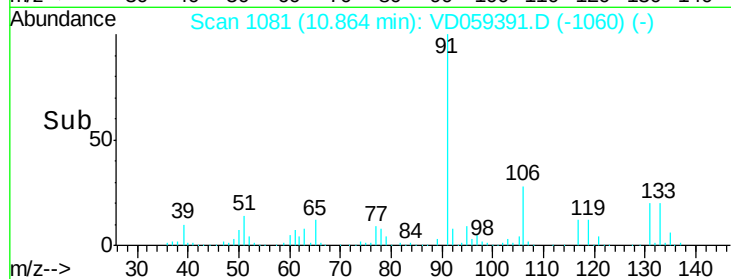
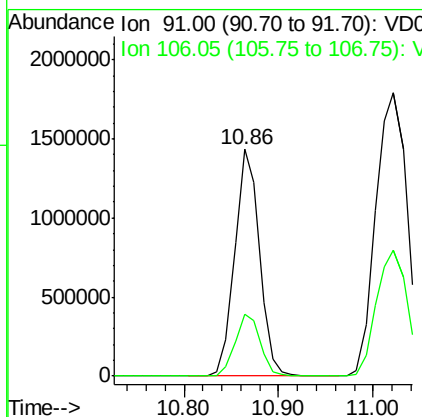
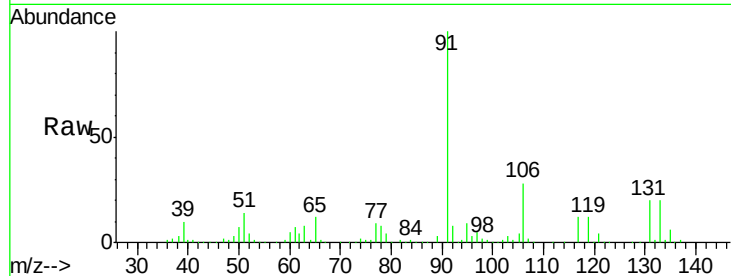




#67
Ethyl Benzene
Concen: 78.92 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

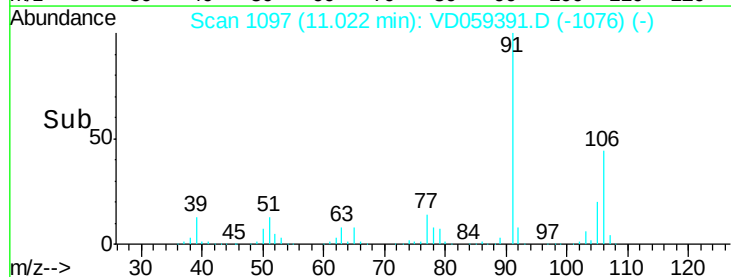
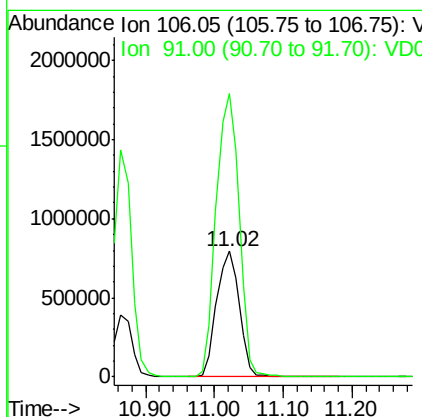
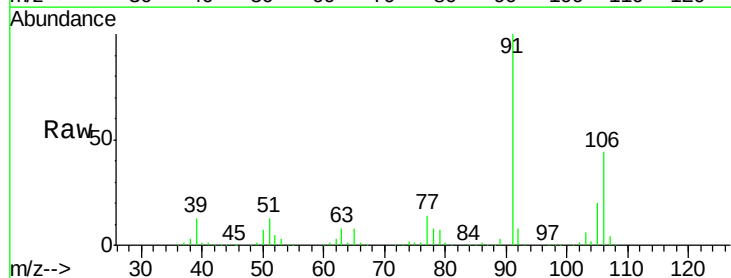
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

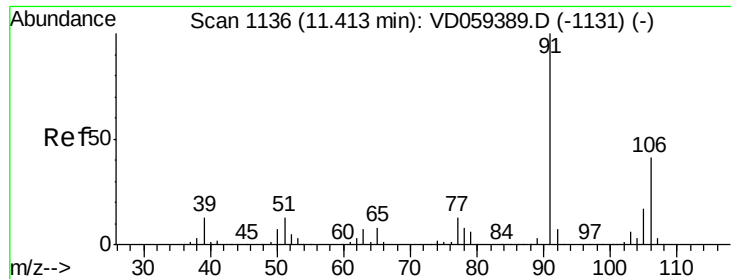
Tot Ion: 91 Resp: 2596116
Ion Ratio Lower Upper
91 100
106 27.5 22.3 33.5



#68
m/p-Xylenes
Concen: 164.13 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion: 106 Resp: 1793255
Ion Ratio Lower Upper
106 100
91 225.8 191.0 286.6

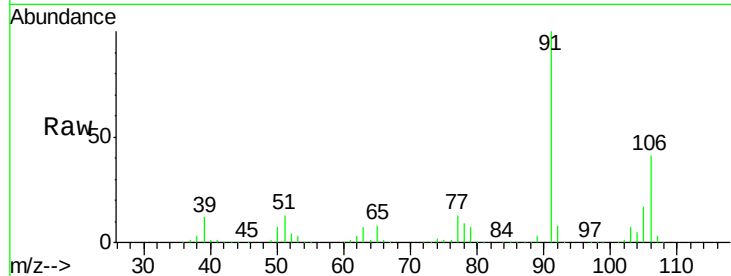




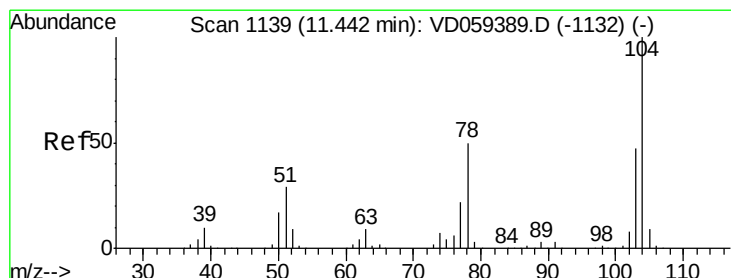
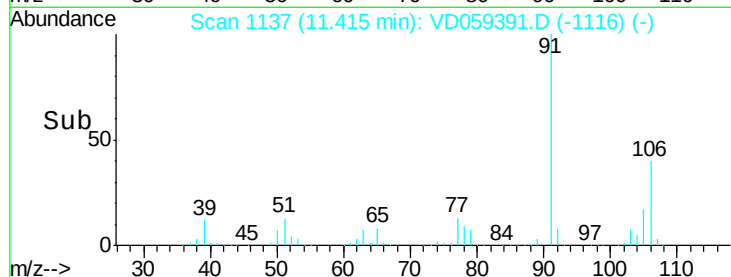
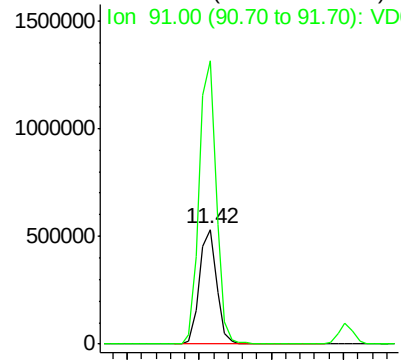
#69
o-Xylene
Concen: 82.83 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 874782
Ion Ratio Lower Upper
106 100
91 246.8 121.0 362.8

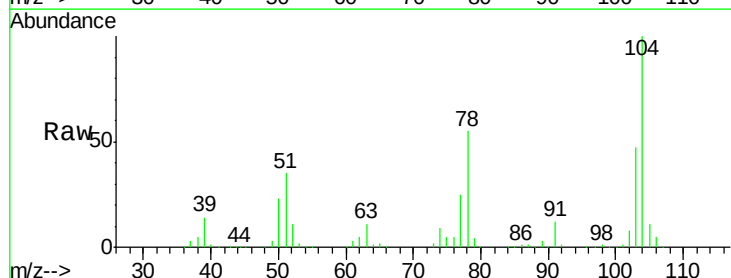


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

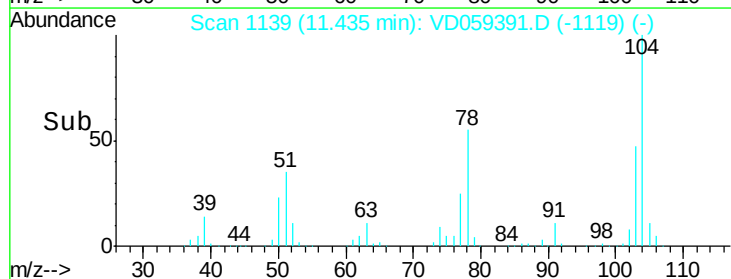
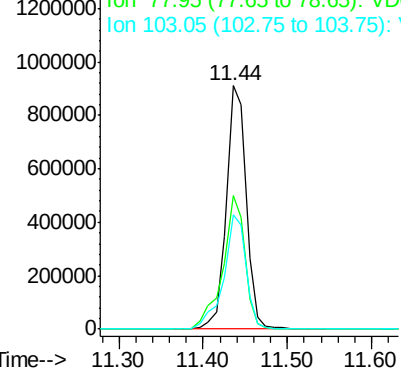


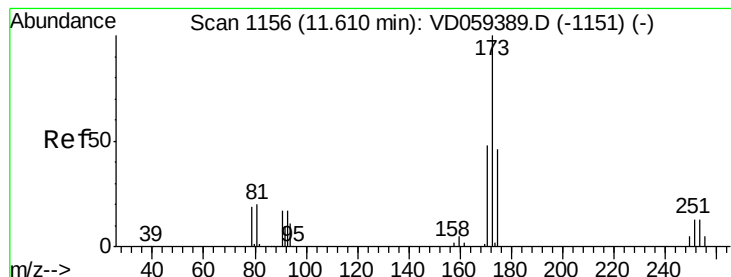
#70
Styrene
Concen: 83.18 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion:104 Resp: 1495926
Ion Ratio Lower Upper
104 100
78 54.7 40.2 60.4
103 46.8 37.8 56.8



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





#71

Bromoform

Concen: 112.78 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

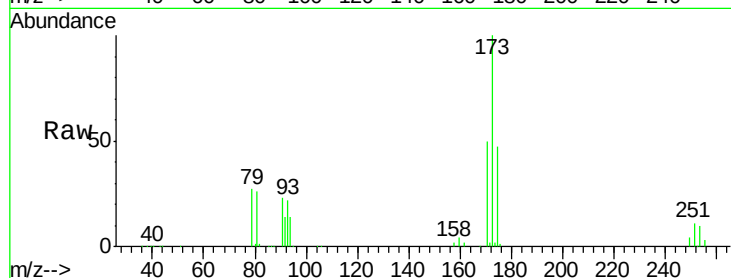
Tot Ion:173 Resp: 644299

Ion Ratio Lower Upper

173 100

175 47.3 22.8 68.4

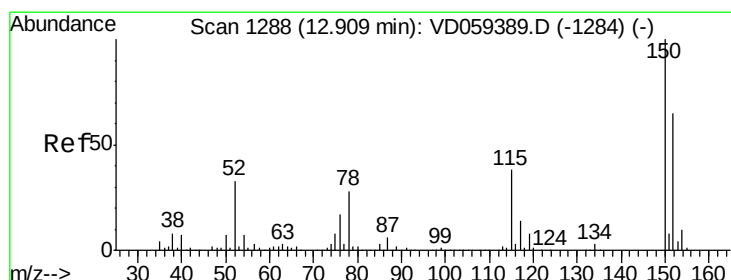
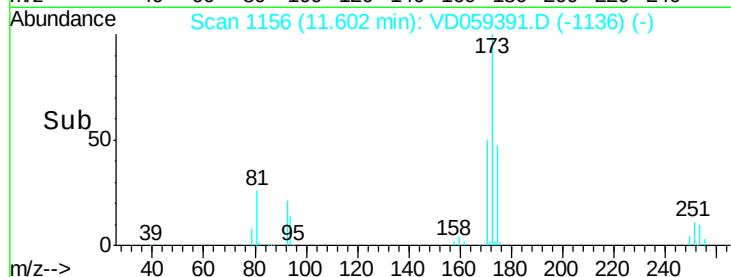
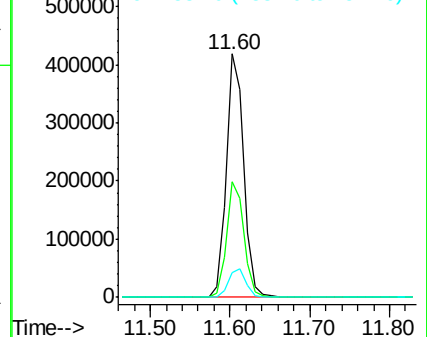
254 10.0 10.1 15.1#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

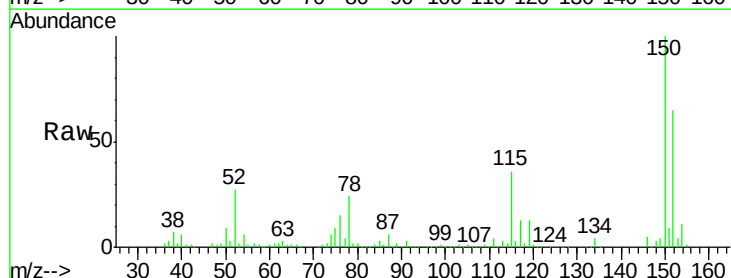
Tgt Ion:152 Resp: 475068

Ion Ratio Lower Upper

152 100

115 54.8 29.4 88.3

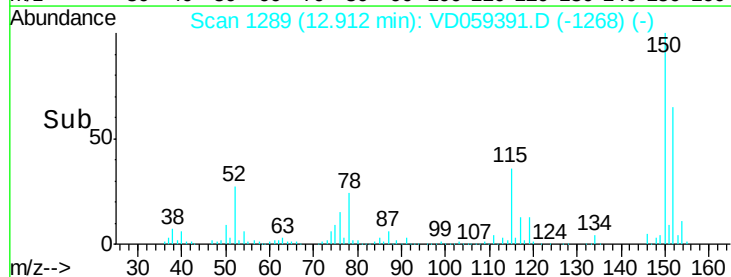
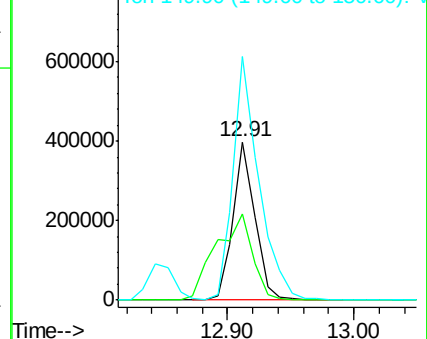
150 153.8 0.0 308.2

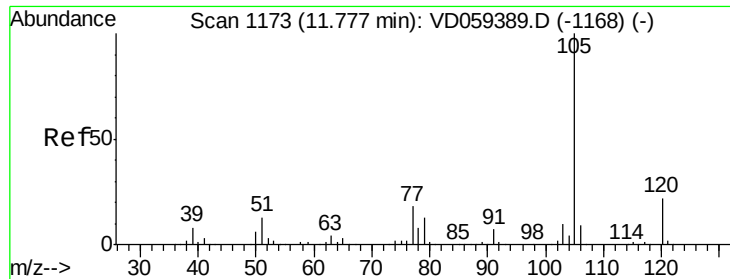


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 92.08 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

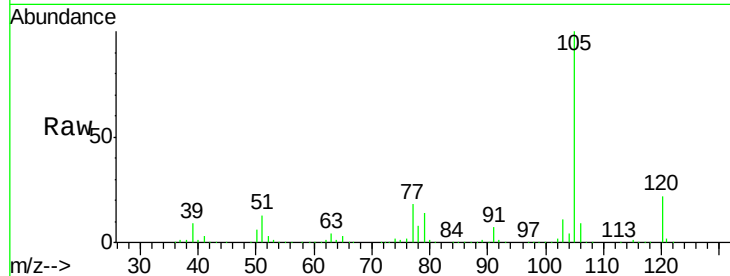
VSTDIC100

Tot Ion:105 Resp: 2594252

Ion Ratio Lower Upper

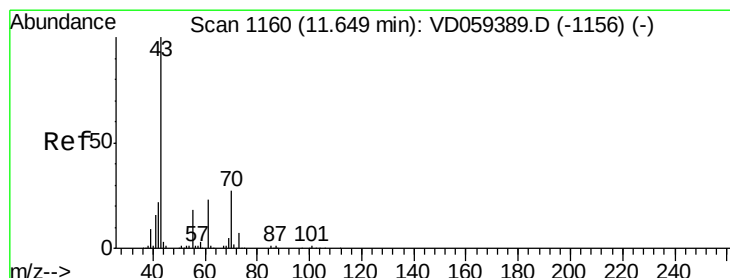
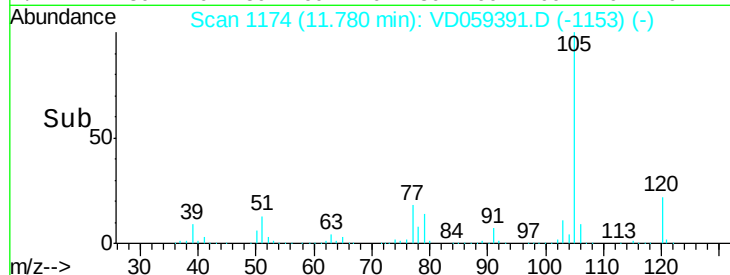
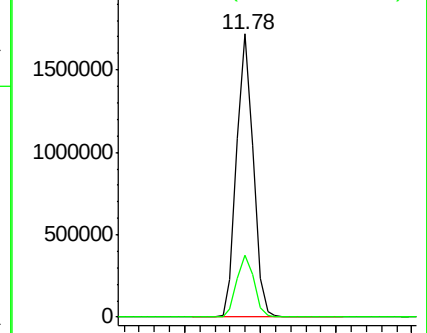
105 100

120 22.1 11.0 33.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 101.43 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Tgt Ion: 43 Resp: 1078335

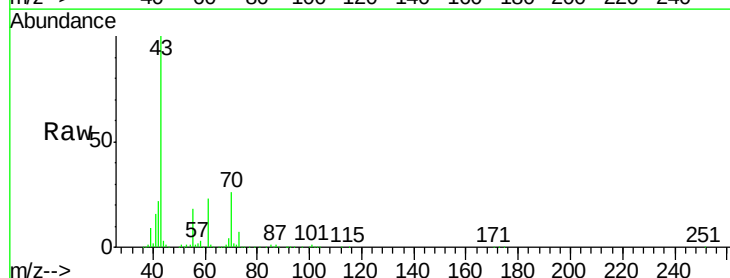
Ion Ratio Lower Upper

43 100

70 26.3 21.7 32.5

55 18.0 14.6 22.0

61 22.8 18.0 27.0

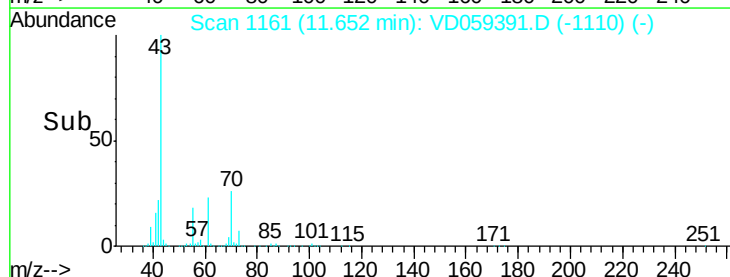
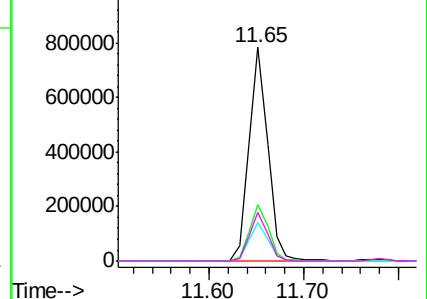


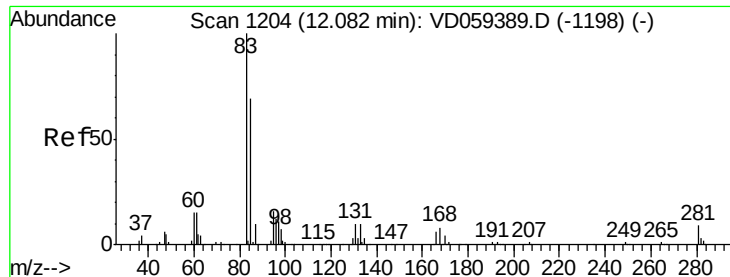
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 98.45 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

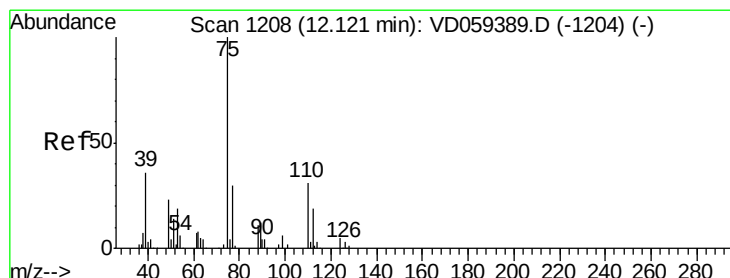
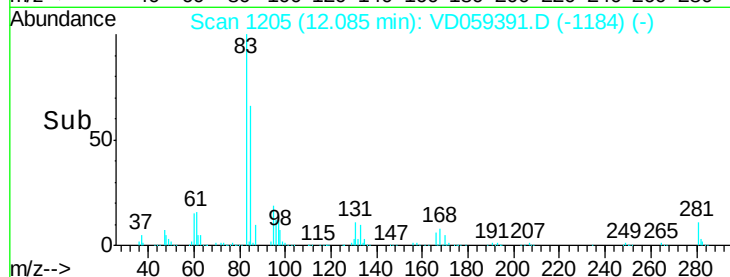
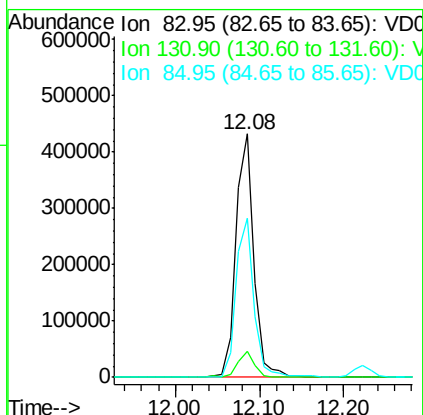
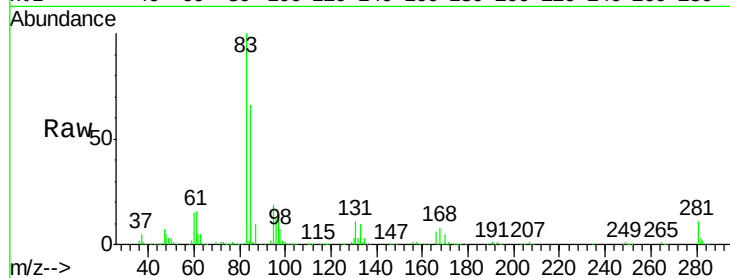
Tot Ion: 83 Resp: 636498

Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.6
85	65.6	34.6	103.8

83 100

131 10.7 4.9 14.6

85 65.6 34.6 103.8



#76

1,2,3-Trichloropropane

Concen: 95.51 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059391.D

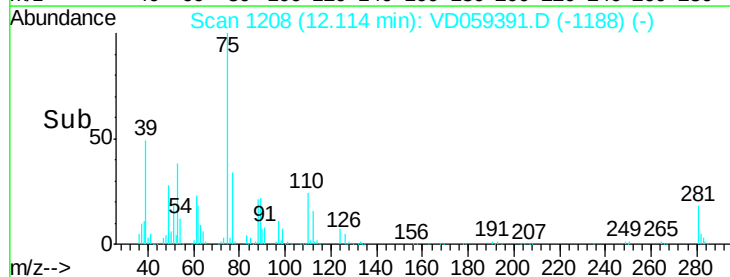
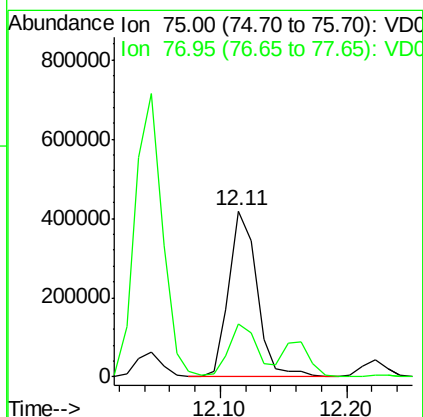
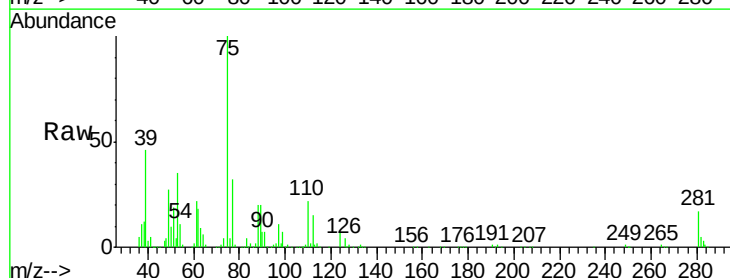
Acq: 25 Jun 2018 2:15

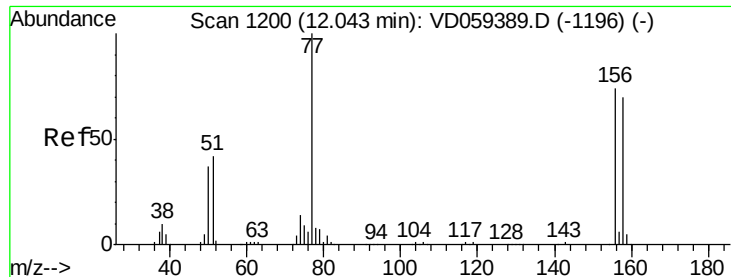
Tgt Ion: 75 Resp: 647851

Ion	Ratio	Lower	Upper
75	100		
77	31.7	15.6	46.8

75 100

77 31.7 15.6 46.8





#77

Bromobenzene

Concen: 99.70 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

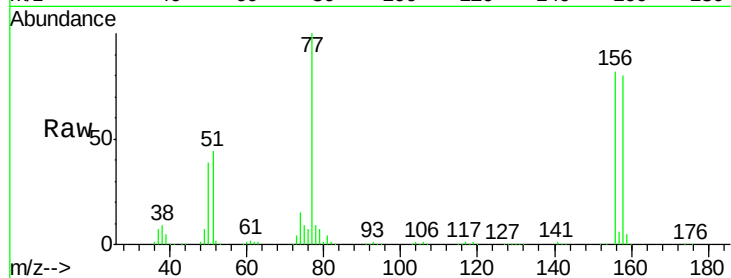
Tot Ion:156 Resp: 844693

Ion Ratio Lower Upper

156 100

77 122.1 68.0 203.8

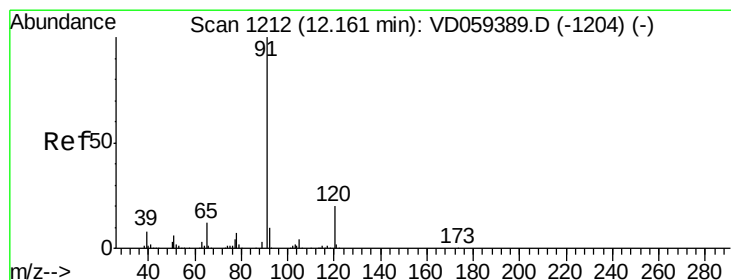
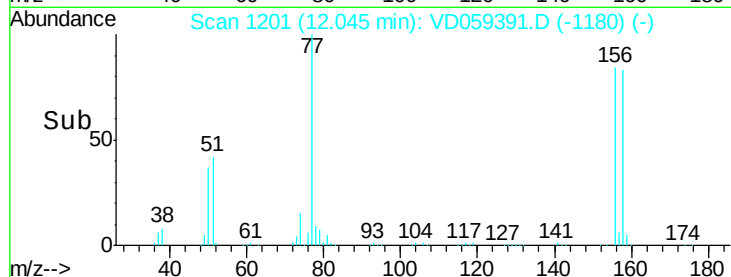
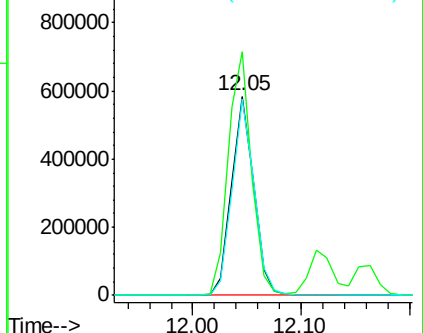
158 98.1 47.7 143.1



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 87.92 ug/l

RT: 12.16 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VD059391.D

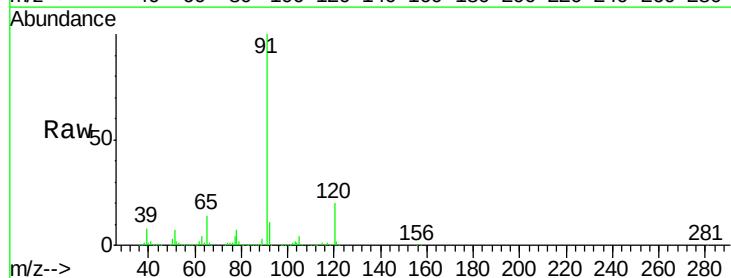
Acq: 25 Jun 2018 2:15

Tgt Ion: 91 Resp: 3178103

Ion Ratio Lower Upper

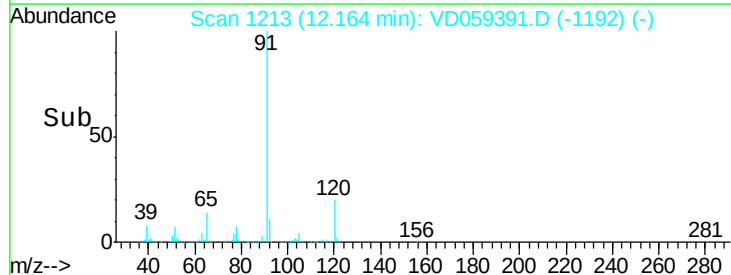
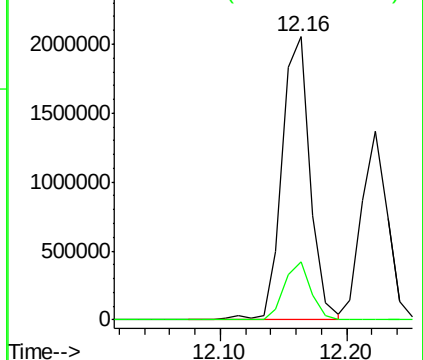
91 100

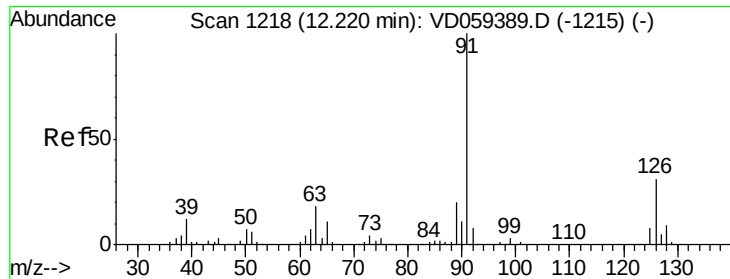
120 20.4 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

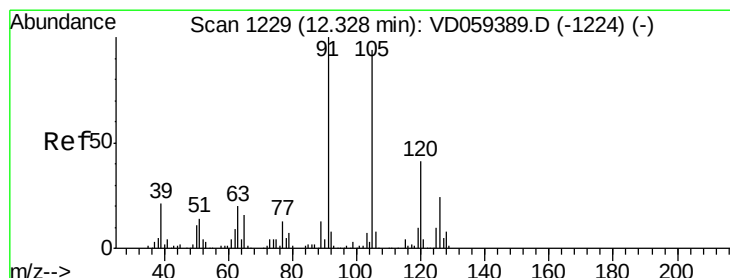
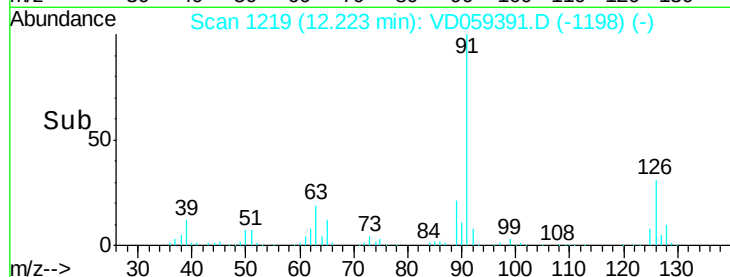
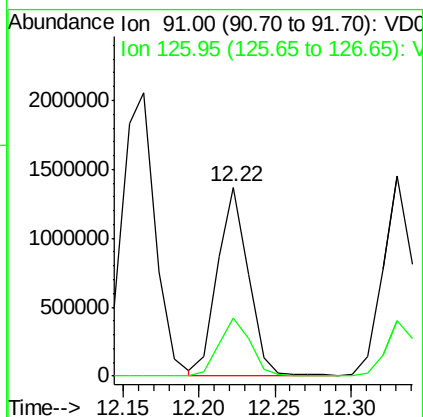
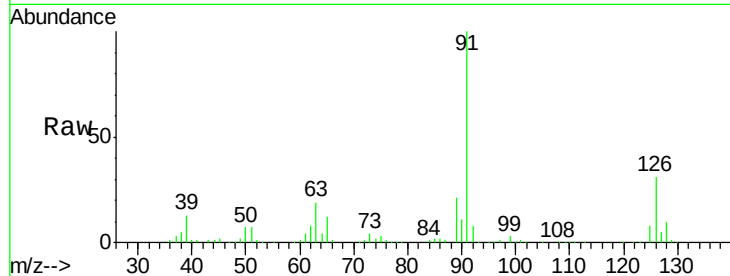




#79
 2-Chlorotoluene
 Concen: 93.03 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

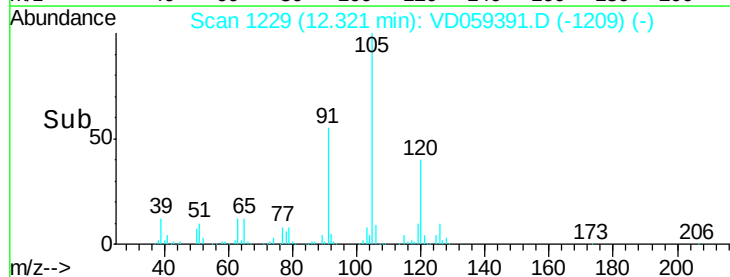
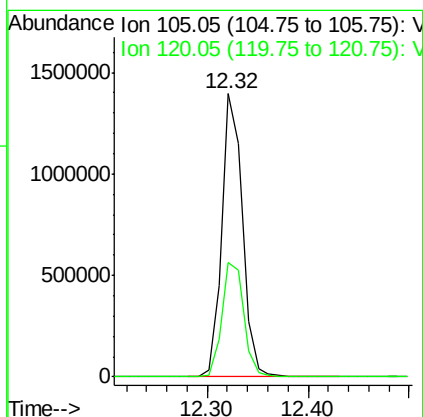
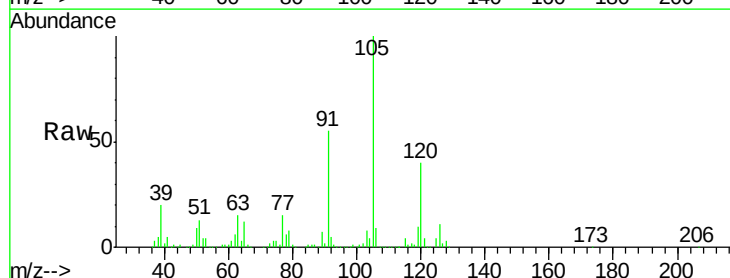
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

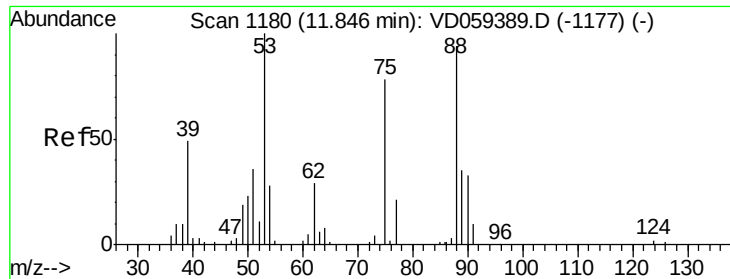
Tot Ion: 91 Resp: 1930063
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.2 45.5



#80
 1,3,5-Trimethylbenzene
 Concen: 90.75 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion: 105 Resp: 1984049
 Ion Ratio Lower Upper
 105 100
 120 40.3 21.9 65.7





#81

trans-1,4-Dichloro-2-butene

Concen: 101.79 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

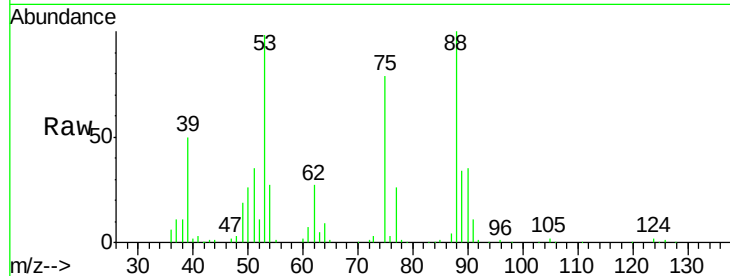
Tot Ion: 75 Resp: 165007

Ion Ratio Lower Upper

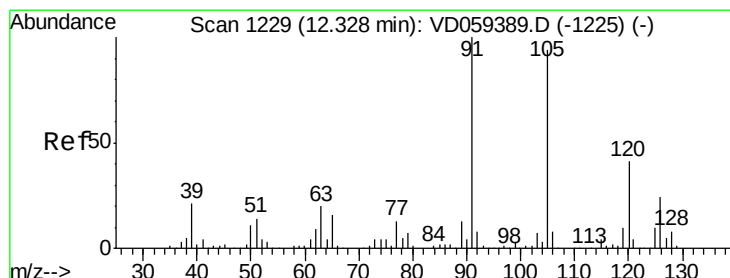
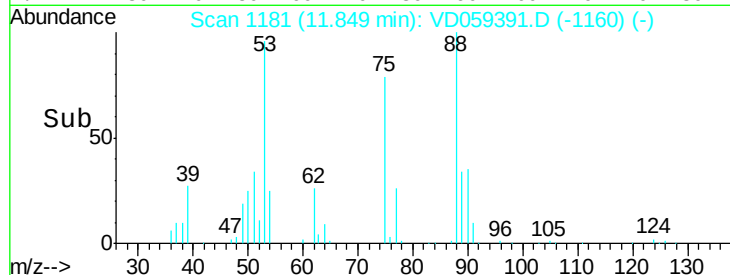
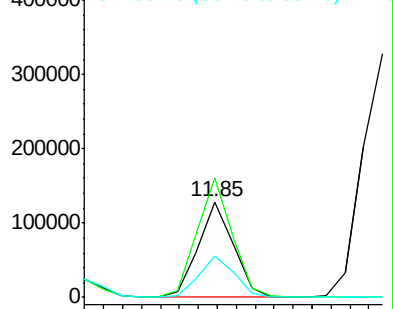
75 100

53 124.8 102.6 154.0

89 43.5 35.9 53.9



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: 85.69 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD059391.D

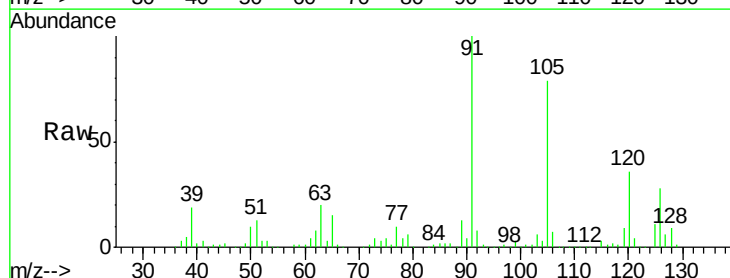
Acq: 25 Jun 2018 2:15

Tgt Ion: 91 Resp: 1995469

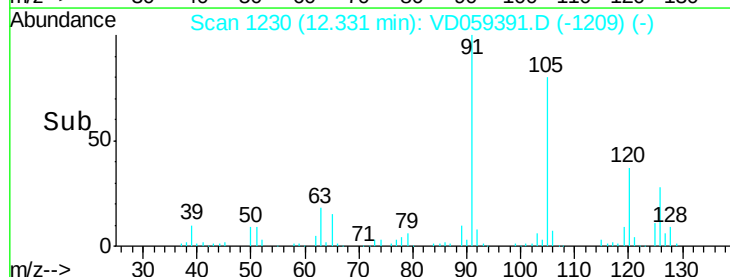
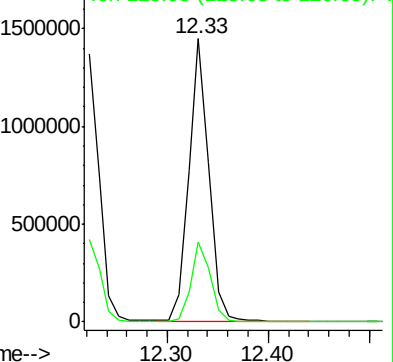
Ion Ratio Lower Upper

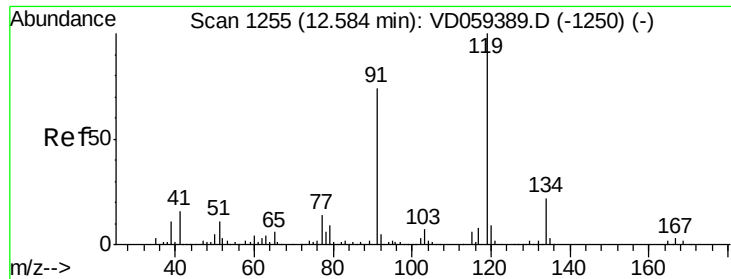
91 100

126 28.0 12.2 36.6



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

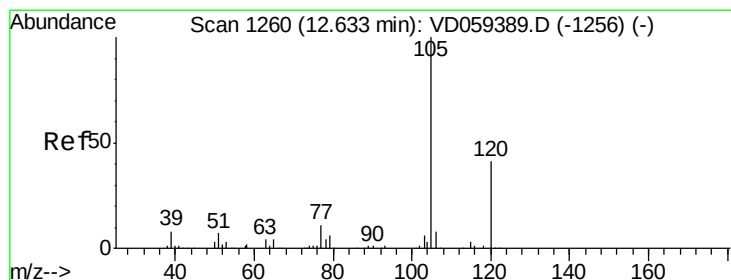
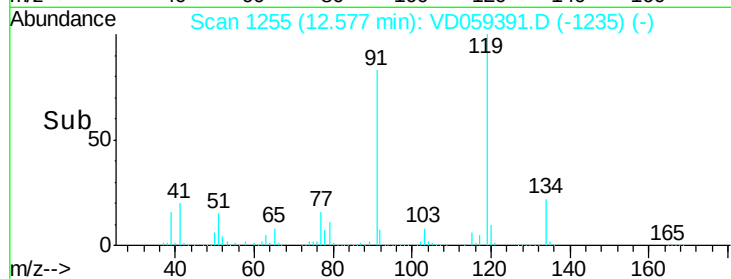
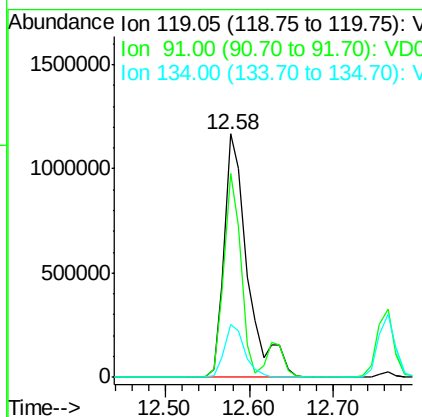
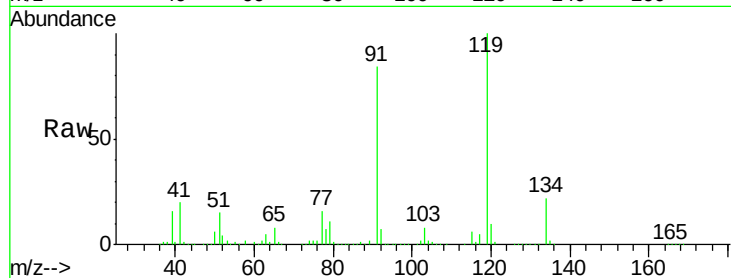




#83
 tert-Butylbenzene
 Concen: 91.34 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

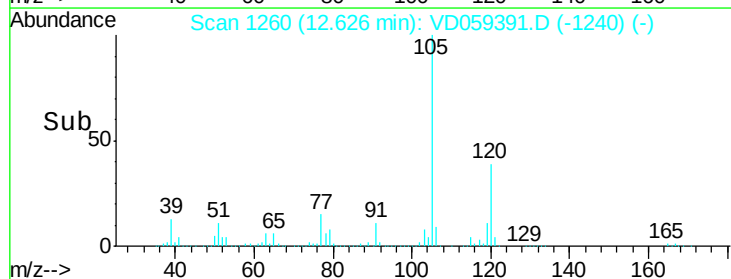
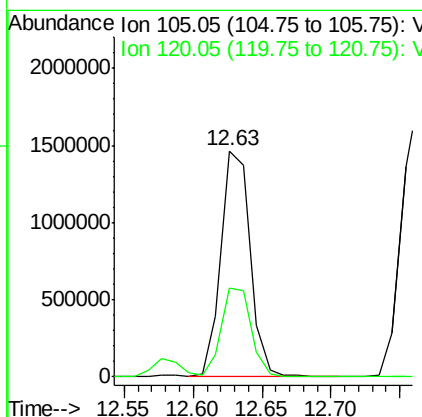
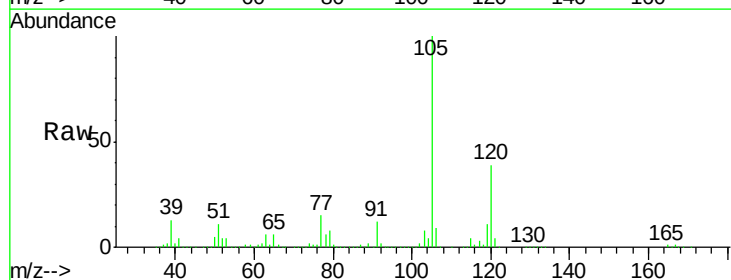
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

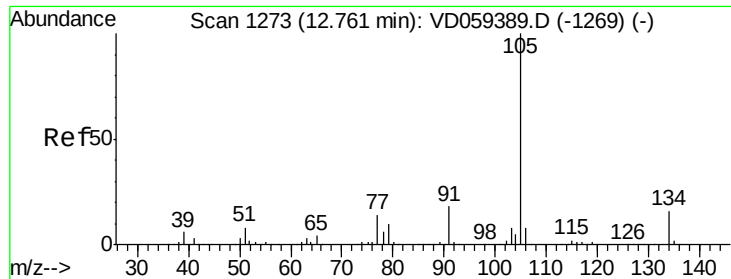
Tot Ion:119 Resp: 2286160
 Ion Ratio Lower Upper
 119 100
 91 83.9 36.9 110.7
 134 21.5 11.2 33.6



#84
 1,2,4-Trimethylbenzene
 Concen: 90.14 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion:105 Resp: 2147696
 Ion Ratio Lower Upper
 105 100
 120 39.2 21.5 64.5





#85

sec-Butylbenzene

Concen: 87.50 ug/l

RT: 12.76 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

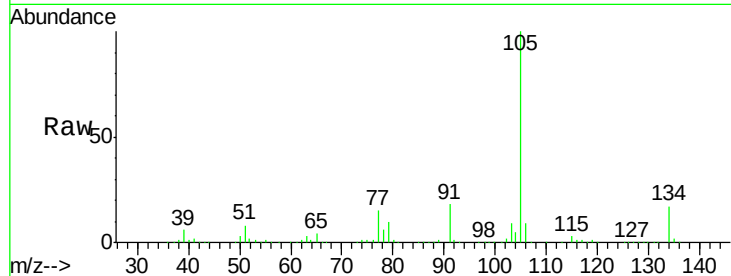
VSTDIC100

Tot Ion:105 Resp: 2576147

Ion Ratio Lower Upper

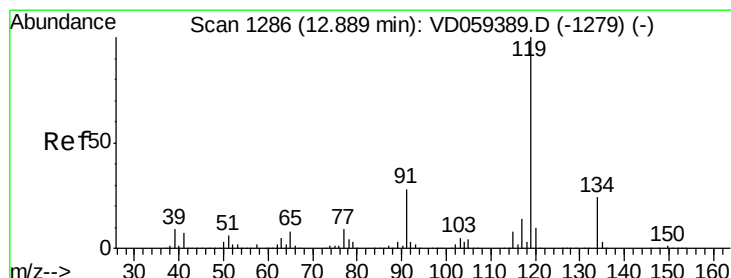
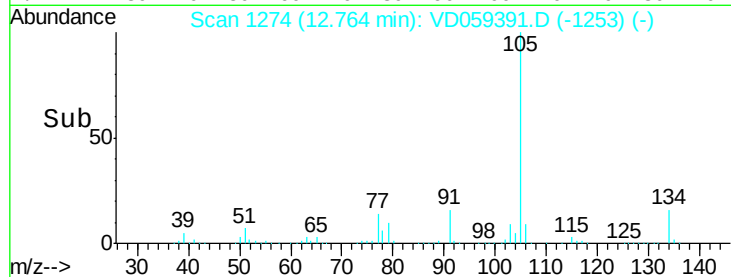
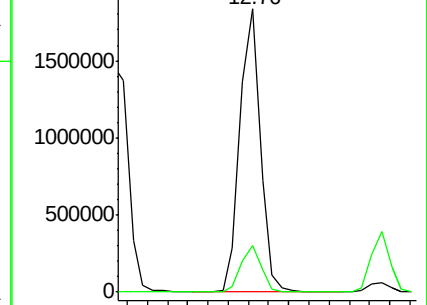
105 100

134 16.6 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 90.07 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

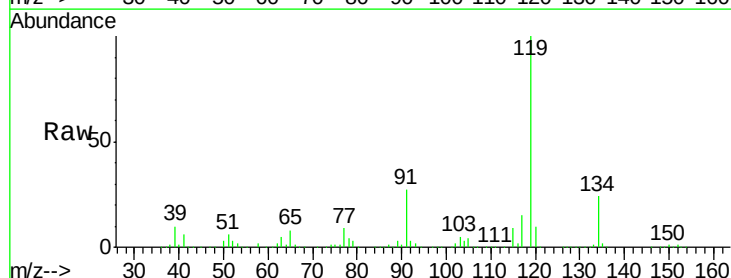
Tgt Ion:119 Resp: 2154471

Ion Ratio Lower Upper

119 100

134 23.5 11.9 35.5

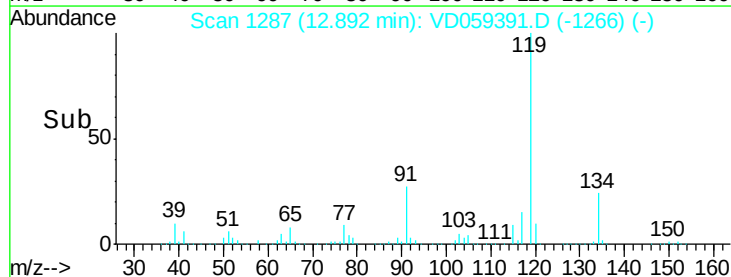
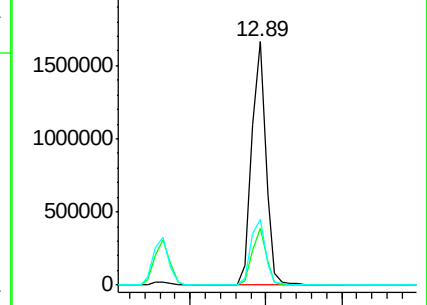
91 27.2 14.1 42.4

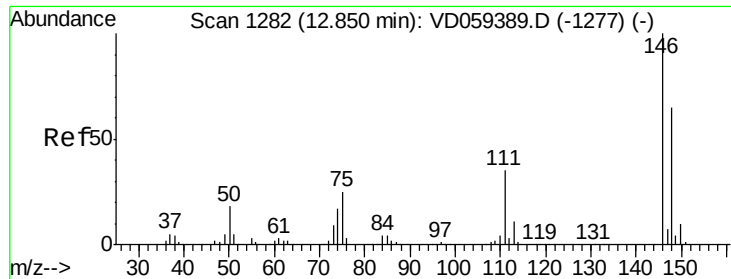


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

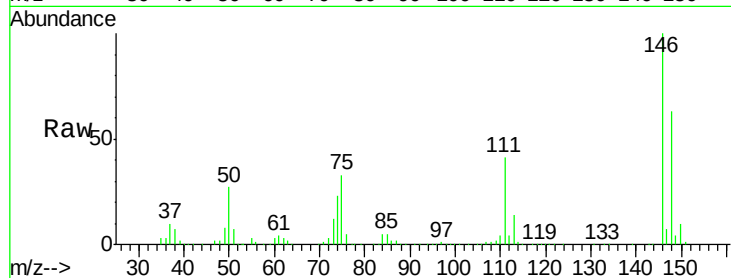




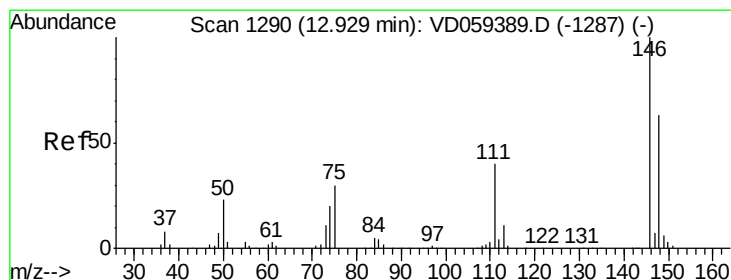
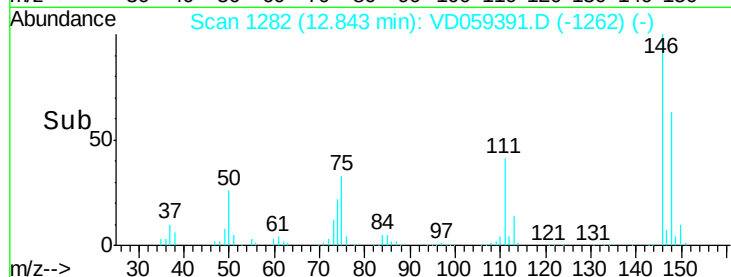
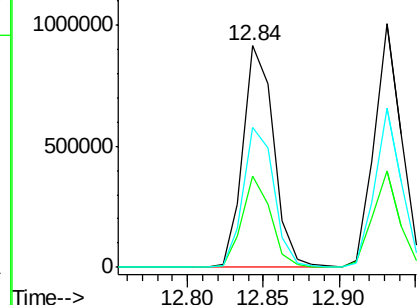
#87
 1,3-Dichlorobenzene
 Concen: 88.31 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1289196
 Ion Ratio Lower Upper
 146 100
 111 41.2 17.6 52.8
 148 63.4 32.4 97.2

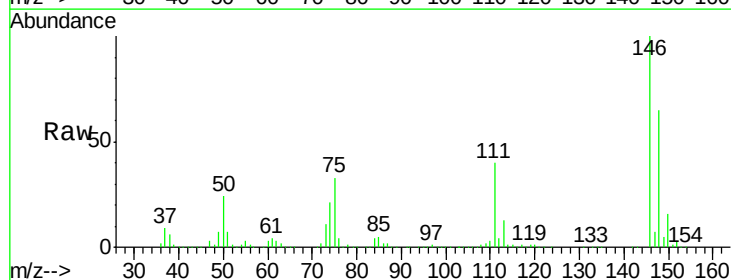


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

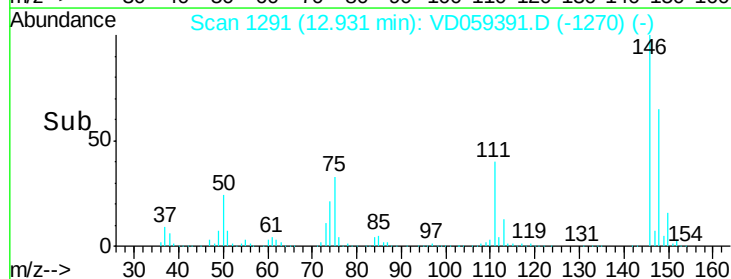
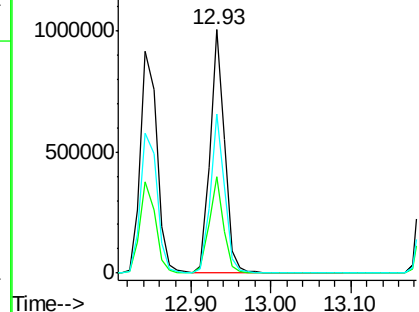


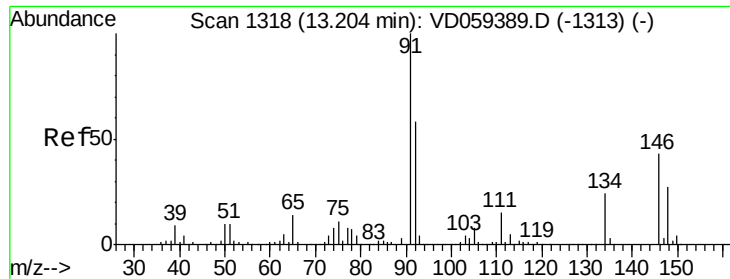
#88
 1,4-Dichlorobenzene
 Concen: 89.45 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion:146 Resp: 1274860
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.1 60.2
 148 65.3 31.4 94.0



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





#89

n-Butylbenzene

Concen: 79.30 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VD059391.D

Acq: 25 Jun 2018 2:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

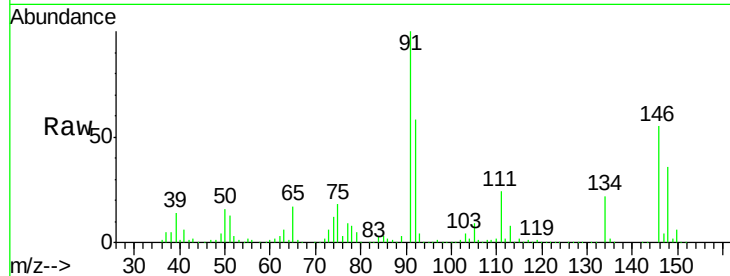
Tot Ion: 91 Resp: 1966414

Ion Ratio Lower Upper

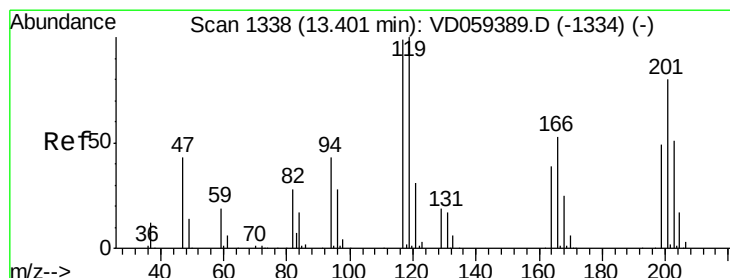
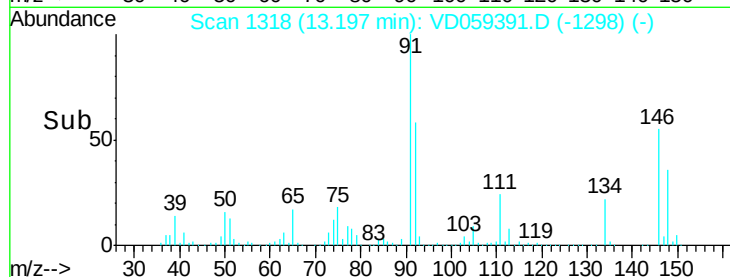
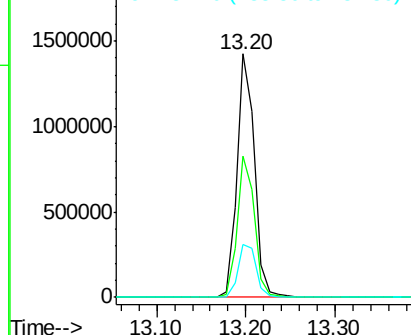
91 100

92 57.9 28.8 86.5

134 21.9 11.9 35.7



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: 97.80 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD059391.D

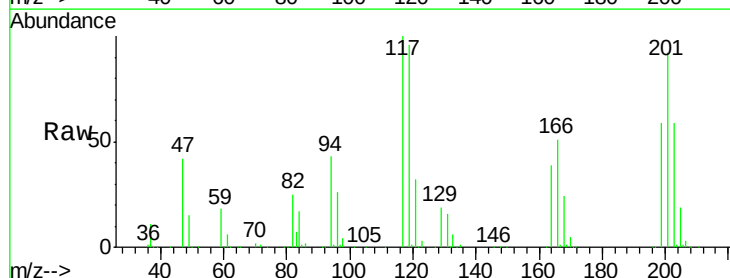
Acq: 25 Jun 2018 2:15

Tgt Ion: 117 Resp: 602398

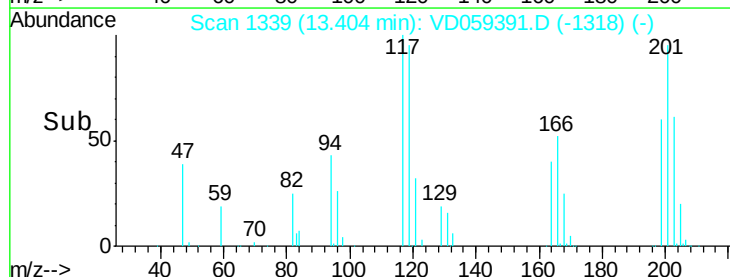
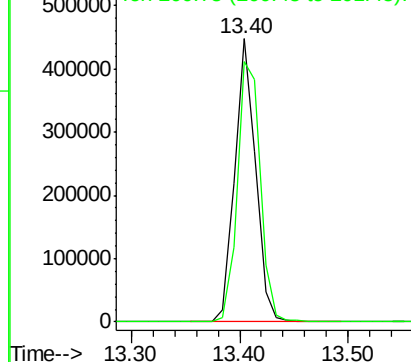
Ion Ratio Lower Upper

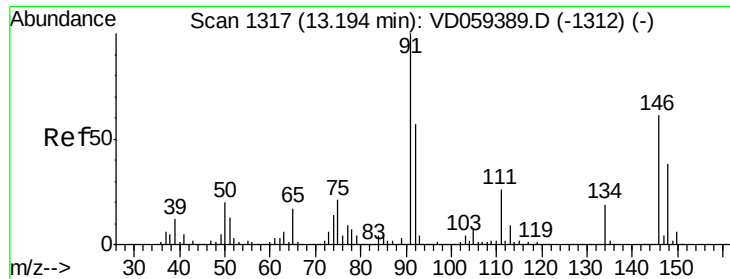
117 100

201 92.1 40.1 120.3



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

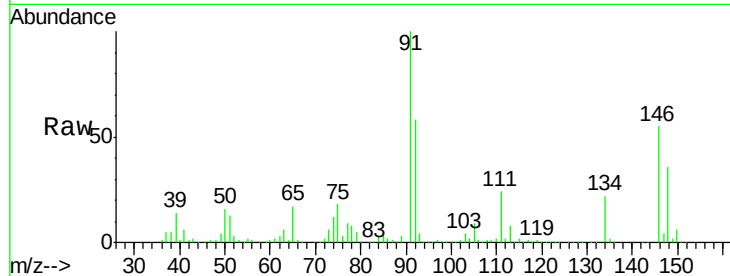




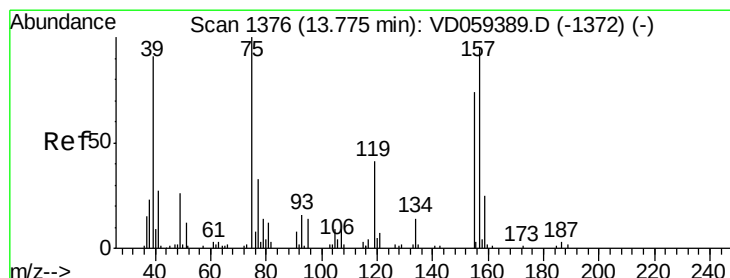
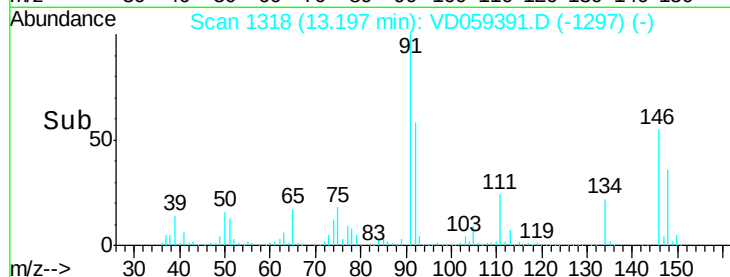
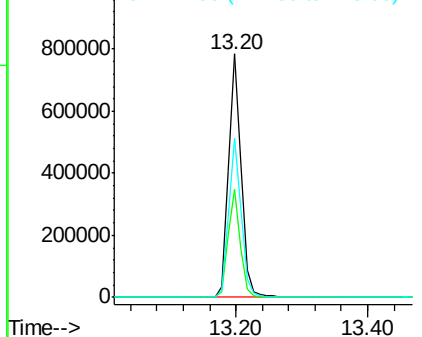
#91
 1,2-Dichlorobenzene
 Concen: 85.51 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1054720
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.4 64.2
 148 65.2 31.6 95.0

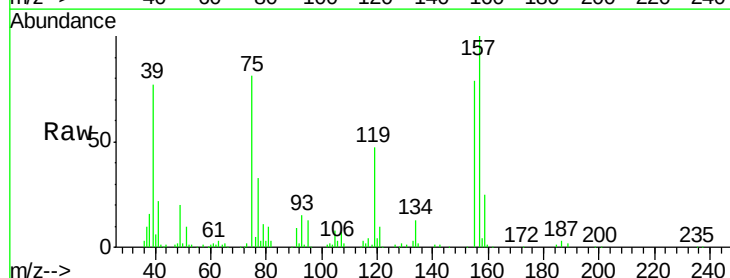


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

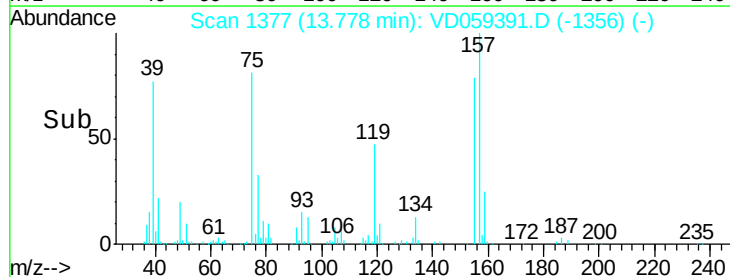
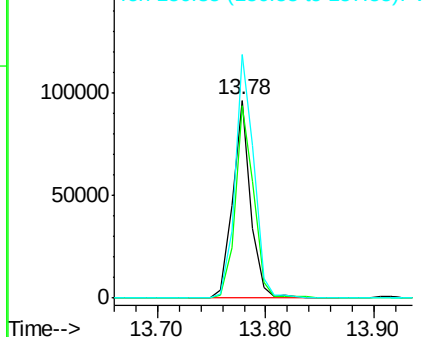


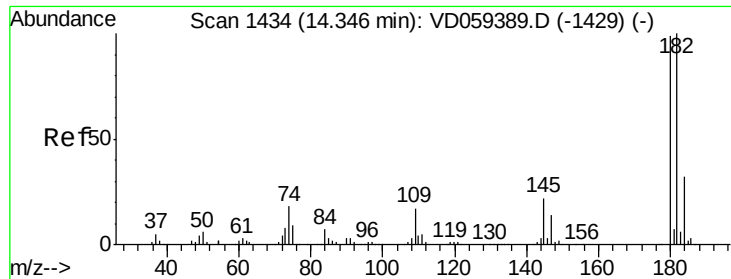
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 108.59 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion: 75 Resp: 112318
 Ion Ratio Lower Upper
 75 100
 155 97.3 37.2 111.6
 157 122.9 47.4 142.2



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

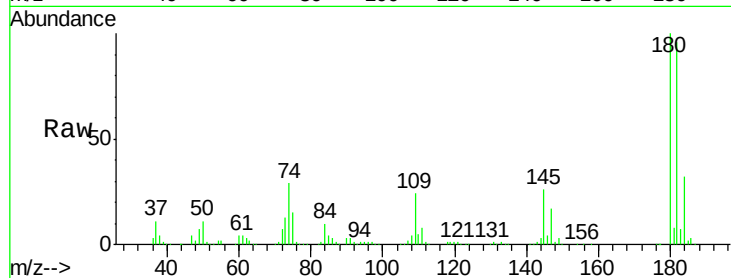




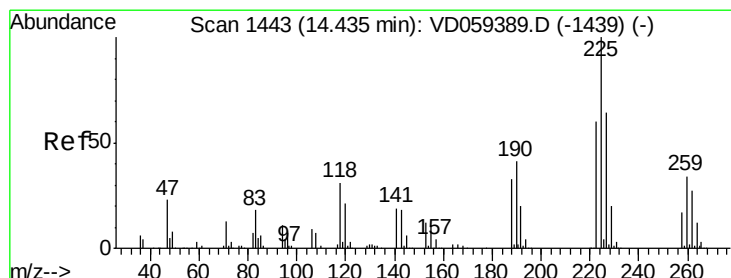
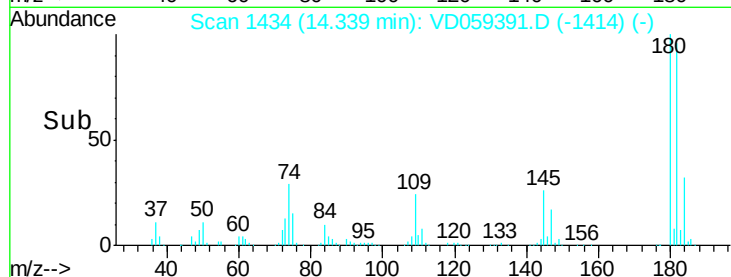
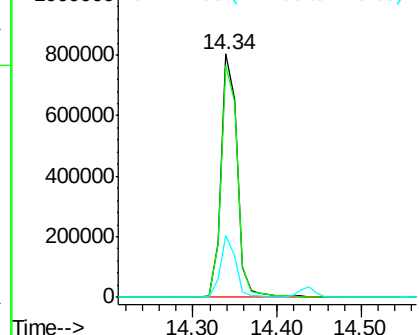
#93
 1,2,4-Trichlorobenzene
 Concen: 91.67 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1074053
 Ion Ratio Lower Upper
 180 100
 182 95.6 50.4 151.2
 145 25.7 11.0 33.0

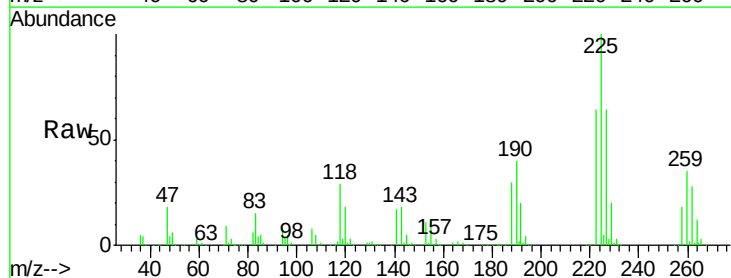


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

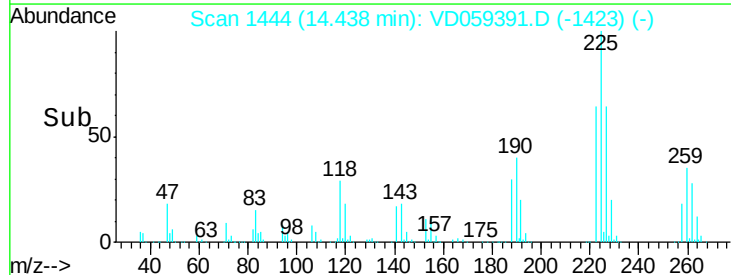
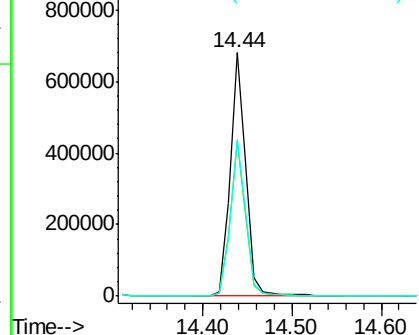


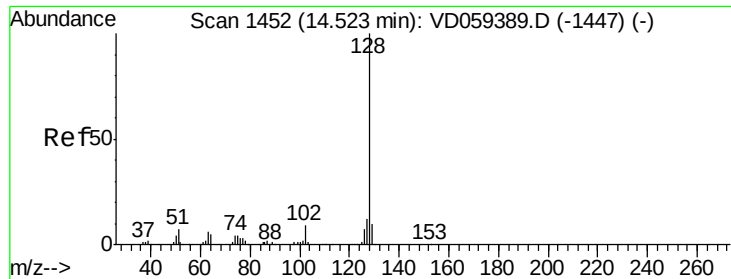
#94
 Hexachlorobutadiene
 Concen: 91.90 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059391.D
 Acq: 25 Jun 2018 2:15

Tgt Ion:225 Resp: 850327
 Ion Ratio Lower Upper
 225 100
 223 63.7 30.0 90.1
 227 64.3 32.1 96.5



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

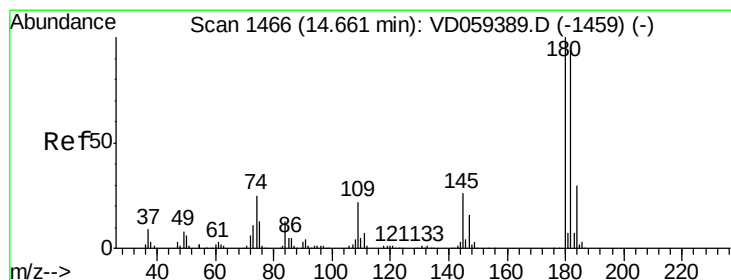
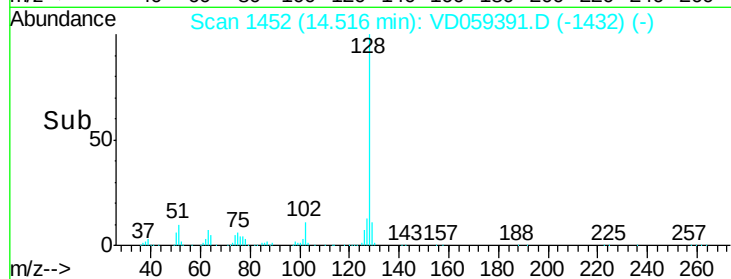
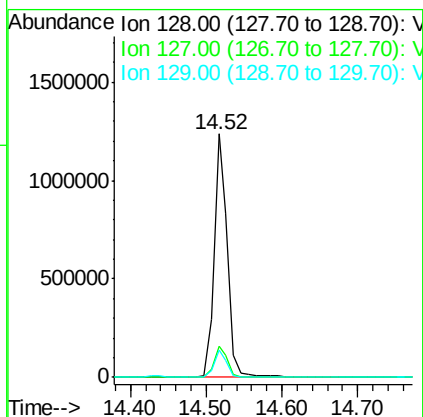
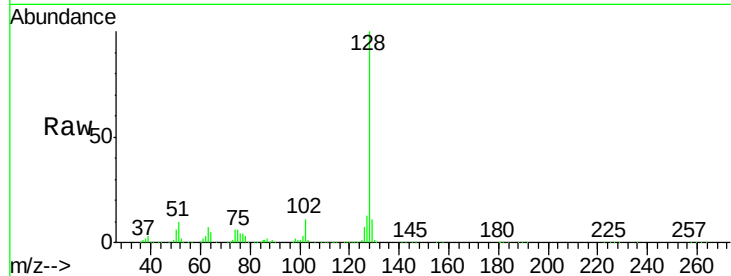




#95
Naphthalene
Concen: 99.29 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1529639
Ion Ratio Lower Upper
128 100
127 12.9 9.6 14.4
129 11.0 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 92.73 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059391.D
Acq: 25 Jun 2018 2:15

Tgt Ion:180 Resp: 958898
Ion Ratio Lower Upper
180 100
182 98.4 47.1 141.4
145 25.9 13.1 39.3

