

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061918\
 Data File : VD058196.D
 Acq On : 19 Jun 2018 16:02
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jun 20 05:01:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:00:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	935139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1201321	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	966509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	473705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	93090	9.75	ug/l	0.00
Spiked Amount			Recovery	=	19.50%	
35) Dibromofluoromethane	5.54	113	97899	10.27	ug/l	0.00
Spiked Amount			Recovery	=	20.54%	
50) Toluene-d8	8.70	98	245181	10.73	ug/l	0.00
Spiked Amount			Recovery	=	21.46%	
62) 4-Bromofluorobenzene	11.93	95	101233	10.35	ug/l	0.00
Spiked Amount			Recovery	=	20.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	113242	9.41	ug/l	97
3) Chloromethane	1.47	50	53083	8.94	ug/l	97
4) Vinyl Chloride	1.55	62	51035	8.80	ug/l	100
5) Bromomethane	1.78	94	19230	8.76	ug/l	97
6) Chloroethane	1.87	64	21042	9.43	ug/l	99
7) Trichlorofluoromethane	2.07	101	73841	9.41	ug/l	90
8) Diethyl Ether	2.34	74	14194	9.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.54	101	42349	8.95	ug/l	98
10) Methyl Iodide	2.68	142	42594	7.02	ug/l	88
11) Tert butyl alcohol	3.25	59	16573	64.55	ug/l #	95
12) 1,1-Dichloroethene	2.53	96	32346	8.89	ug/l	96
13) Acrolein	2.46	56	10515	32.65	ug/l	90
14) Allyl chloride	2.92	41	74888	8.81	ug/l	98
15) Acrylonitrile	3.35	53	41139	30.00	ug/l #	88
16) Acetone	2.60	43	68637	50.90	ug/l #	91
17) Carbon Disulfide	2.75	76	108859	8.35	ug/l	97
18) Methyl Acetate	2.93	43	27234	10.19	ug/l	95
19) Methyl tert-butyl Ether	3.40	73	86430	5.69	ug/l	99
20) Methylene Chloride	3.06	84	45235	10.00	ug/l	93
21) trans-1,2-Dichloroethene	3.38	96	35670	4.76	ug/l	94
22) Diisopropyl ether	4.07	45	310052	9.30	ug/l	95
23) Vinyl Acetate	4.01	43	800631	46.05	ug/l	100
24) 1,1-Dichloroethane	3.96	63	160647	8.75	ug/l	99
25) 2-Butanone	4.84	43	140771	46.52	ug/l	93
26) 2,2-Dichloropropane	4.80	77	136106	9.02	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	92930	9.59	ug/l	99
28) Bromochloromethane	5.13	49	78624	9.80	ug/l	99
29) Tetrahydrofuran	5.19	42	73976	46.04	ug/l	97
30) Chloroform	5.32	83	171228	9.22	ug/l	94
31) Cyclohexane	5.58	56	149412	9.43	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	133886	8.61	ug/l	98
36) 1,1-Dichloropropene	5.74	75	126573	9.76	ug/l	98
37) Ethyl Acetate	4.92	43	67736	9.35	ug/l	98
38) Carbon Tetrachloride	5.72	117	122409	9.54	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	117265	9.19	ug/l	97
40) Benzene	6.01	78	294102	9.70	ug/l	98
41) Methacrylonitrile	5.12	41	34738	10.57	ug/l	91
42) 1,2-Dichloroethane	6.13	62	113619	9.24	ug/l	96
43) Isopropyl Acetate	7.62	43	86270	9.10	ug/l #	84
44) Trichloroethene	6.98	130	85242	9.62	ug/l	96
45) 1,2-Dichloropropane	7.35	63	75898	9.01	ug/l	95
46) Dibromomethane	7.46	93	52419	9.54	ug/l	90
47) Bromodichloromethane	7.75	83	110602	8.74	ug/l	91
48) Methyl methacrylate	7.50	41	56064	9.65	ug/l	93
49) 1,4-Dioxane	7.49	88	9273	186.46	ug/l #	77
51) 4-Methyl-2-Pentanone	8.60	43	305956	50.24	ug/l	98
52) Toluene	8.80	92	167186	9.60	ug/l	100
53) t-1,3-Dichloropropene	9.19	75	101712	9.23	ug/l #	88
54) cis-1,3-Dichloropropene	8.36	75	119541	9.24	ug/l	95
55) 1,1,2-Trichloroethane	9.45	97	60030	10.45	ug/l	96
56) Ethyl methacrylate	9.31	69	71199	10.09	ug/l	97
57) 1,3-Dichloropropane	9.67	76	95841	9.62	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	175873	49.16	ug/l	96
59) 2-Hexanone	9.79	43	221512	49.89	ug/l	96
60) Dibromochloromethane	9.96	129	74910	9.31	ug/l	89
61) 1,2-Dibromoethane	10.09	107	60636	9.20	ug/l	95
64) Tetrachloroethene	9.51	164	84992	9.96	ug/l	94
65) Chlorobenzene	10.72	112	187180	9.75	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.85	131	72289	9.78	ug/l	98
67) Ethyl Benzene	10.86	91	345757	10.01	ug/l	98
68) m/p-Xylenes	11.01	106	232177	20.51	ug/l	96
69) o-Xylene	11.40	106	110515	9.94	ug/l	96
70) Styrene	11.43	104	187721	10.14	ug/l	97
71) Bromoform	11.60	173	51019	9.00	ug/l #	97
73) Isopropylbenzene	11.78	105	322990	10.50	ug/l	98
74) N-amyl acetate	11.65	43	111620	9.26	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	74175	10.79	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	75727	10.59	ug/l	97
77) Bromobenzene	12.04	156	91177	9.98	ug/l	90
78) n-propylbenzene	12.15	91	416666	10.36	ug/l	98
79) 2-Chlorotoluene	12.22	91	231929	10.12	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	244605	10.10	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	15337	8.71	ug/l	95
82) 4-Chlorotoluene	12.33	91	273461	10.81	ug/l	94
83) tert-Butylbenzene	12.57	119	277344	10.19	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	250084	9.67	ug/l	99
85) sec-Butylbenzene	12.76	105	322562	9.81	ug/l	96
86) p-Isopropyltoluene	12.89	119	254442	9.66	ug/l	97
87) 1,3-Dichlorobenzene	12.84	146	157563	10.14	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	146430	9.62	ug/l	96
89) n-Butylbenzene	13.19	91	290897	10.61	ug/l	99
90) Hexachloroethane	13.40	117	61176	9.05	ug/l	68
91) 1,2-Dichlorobenzene	13.19	146	142917	11.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	10490	9.87	ug/l	69

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:00:55 2018
Response via : Initial Calibration

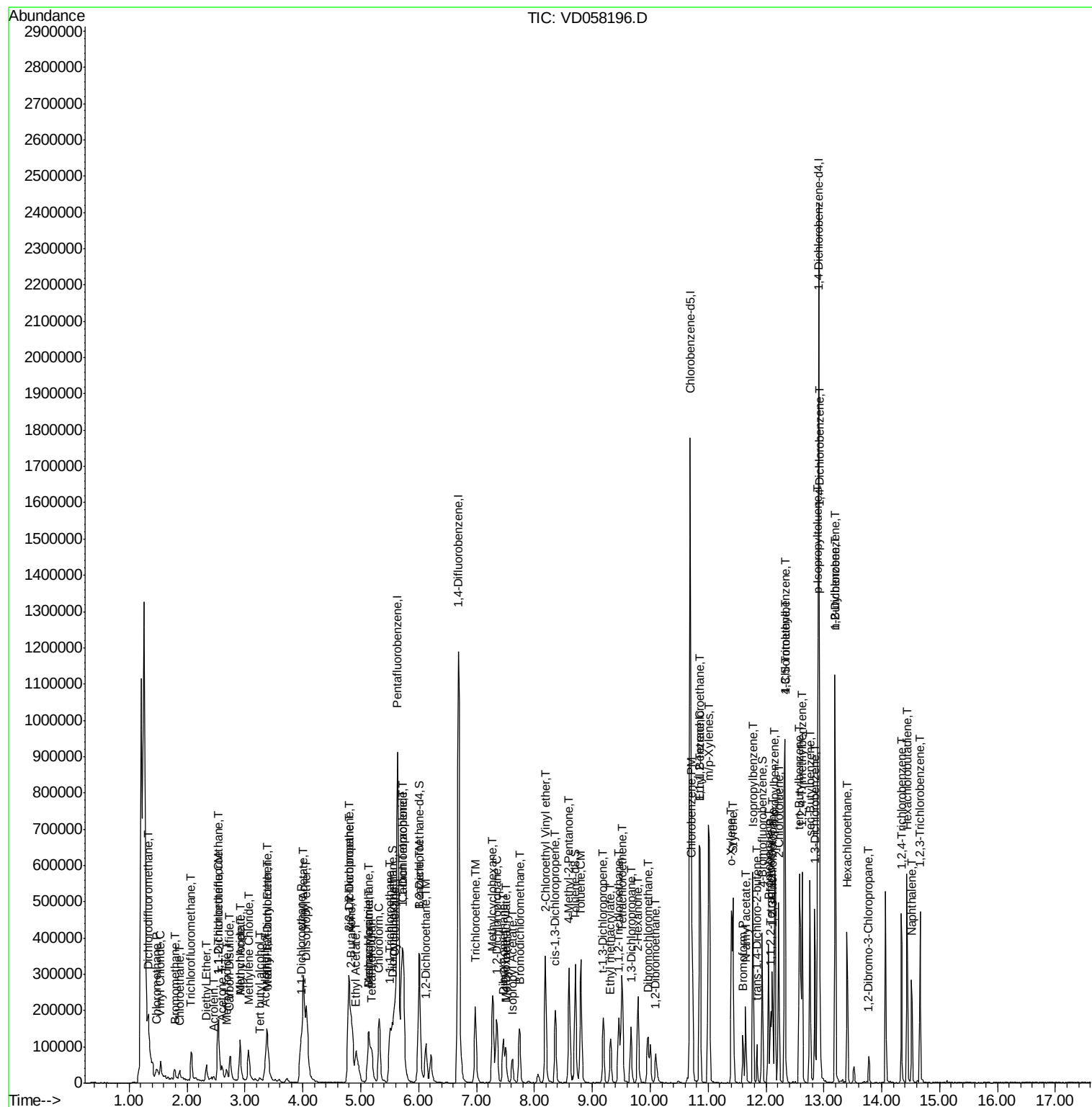
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	129105	10.84	ug/l	98
94) Hexachlorobutadiene	14.43	225	98723	10.64	ug/l	95
95) Naphthalene	14.51	128	167152	10.70	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	107246	10.52	ug/l	98

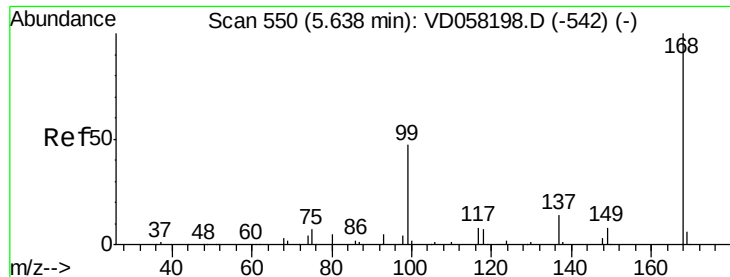
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

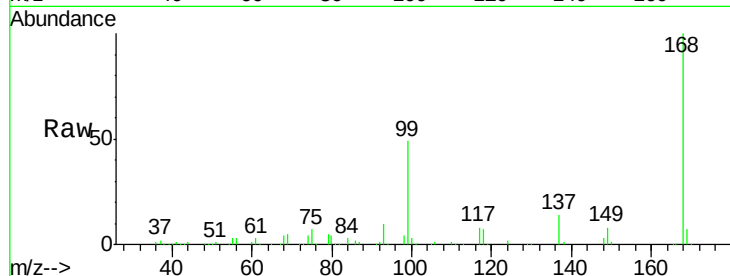
VSTDIC010

Tot Ion:168 Resp: 935139

Ion Ratio Lower Upper

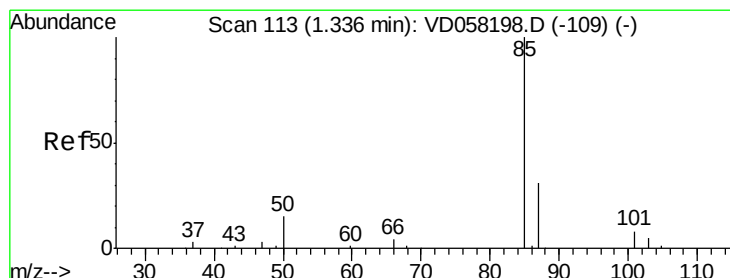
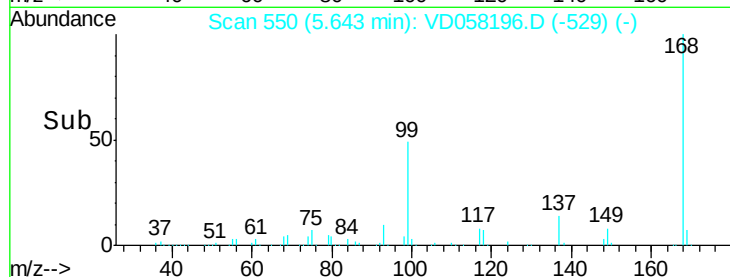
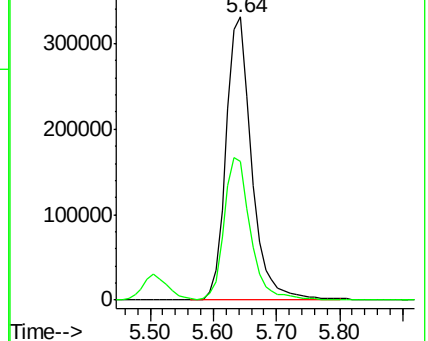
168 100

99 49.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 9.41 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD058196.D

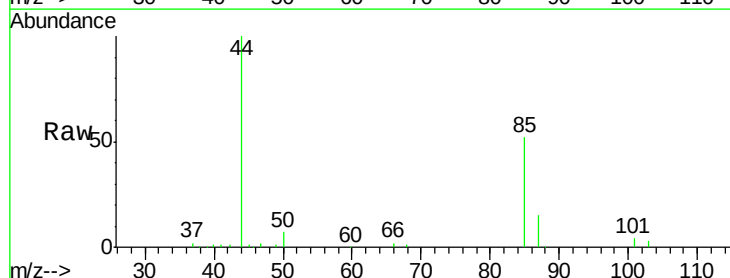
Acq: 19 Jun 2018 16:02

Tgt Ion: 85 Resp: 113242

Ion Ratio Lower Upper

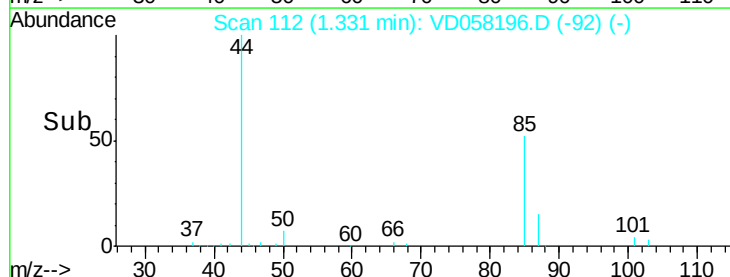
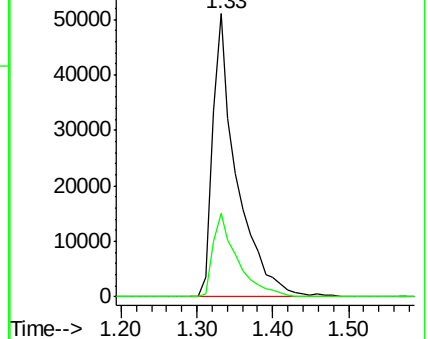
85 100

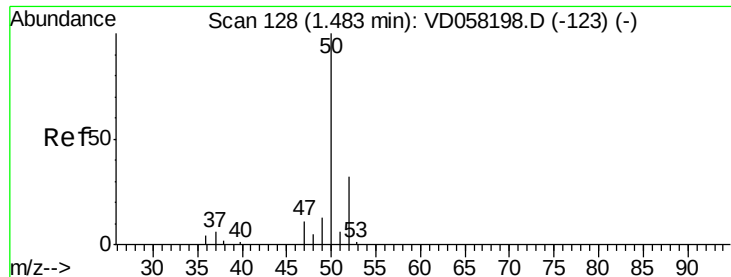
87 29.5 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 8.94 ug/l

RT: 1.47 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

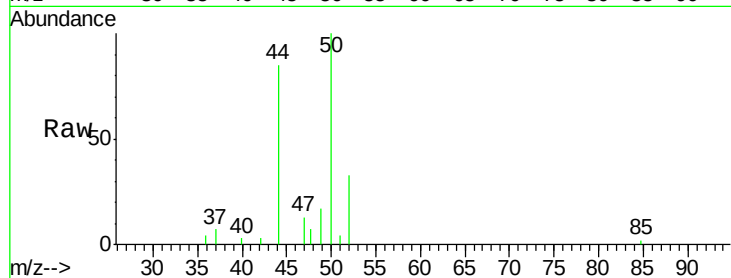
VSTDIC010

Tot Ion: 50 Resp: 53083

Ion Ratio Lower Upper

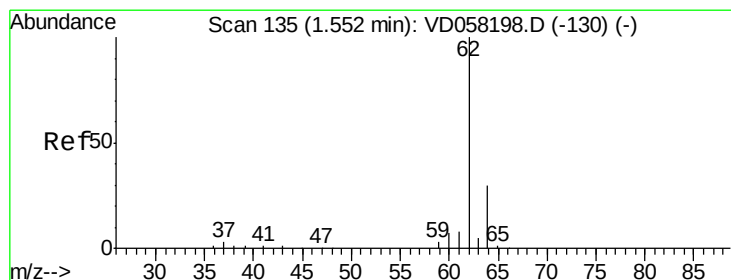
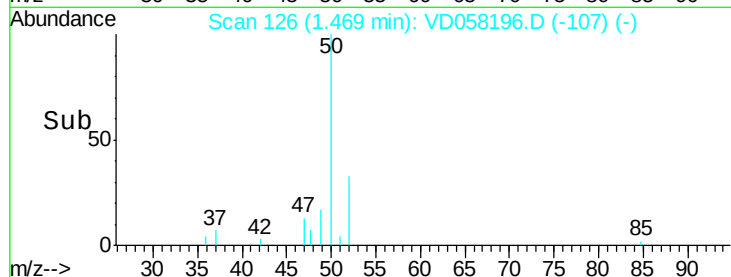
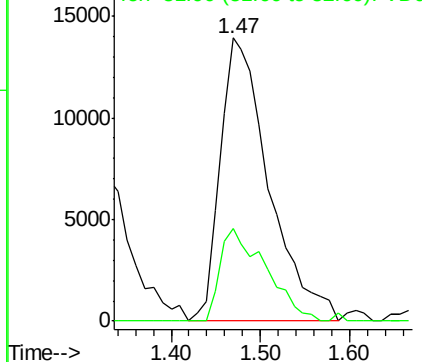
50 100

52 32.6 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 8.80 ug/l

RT: 1.55 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD058196.D

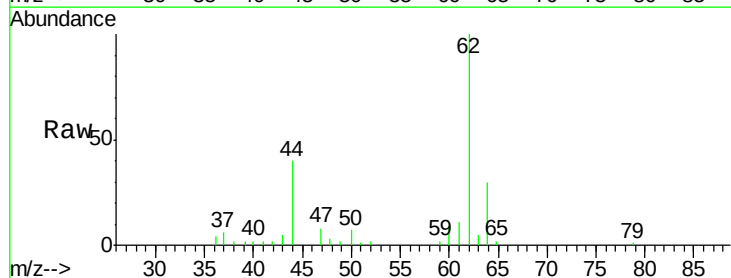
Acq: 19 Jun 2018 16:02

Tgt Ion: 62 Resp: 51035

Ion Ratio Lower Upper

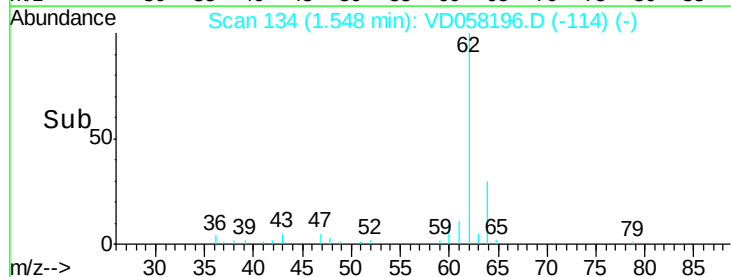
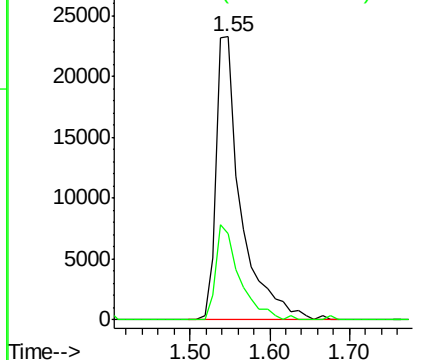
62 100

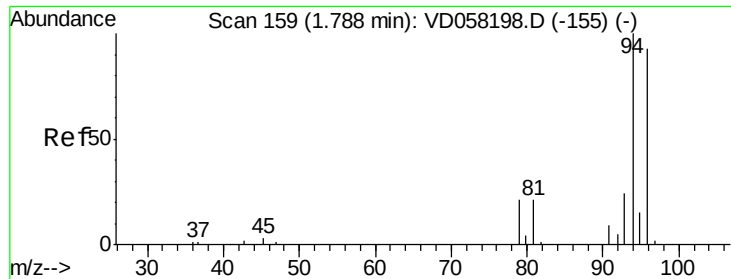
64 30.3 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.76 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

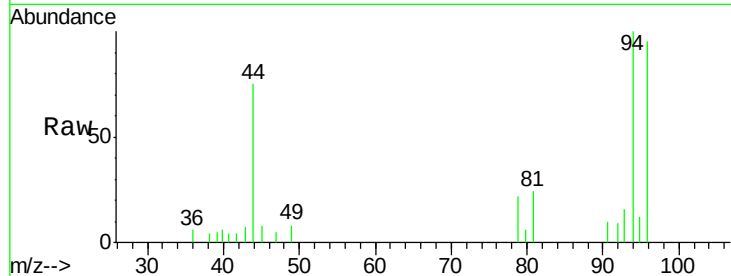
VSTDIC010

Tot Ion: 94 Resp: 19230

Ion Ratio Lower Upper

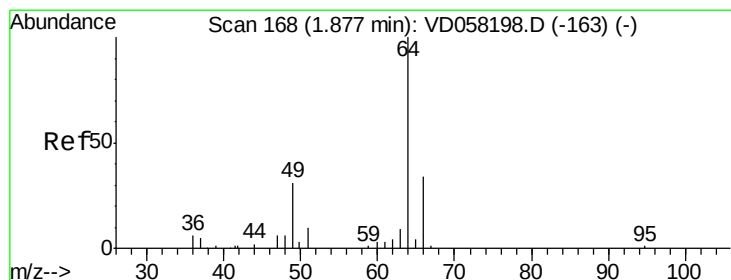
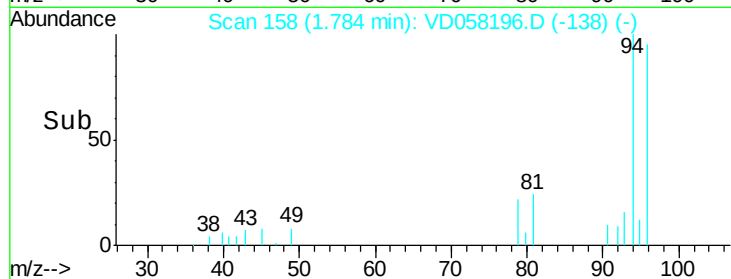
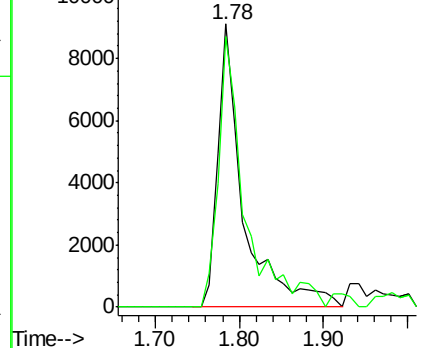
94 100

96 95.4 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 9.43 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD058196.D

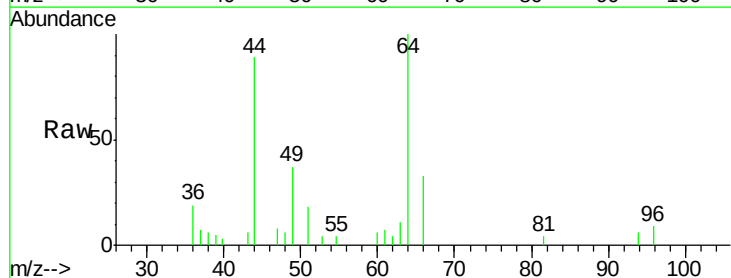
Acq: 19 Jun 2018 16:02

Tgt Ion: 64 Resp: 21042

Ion Ratio Lower Upper

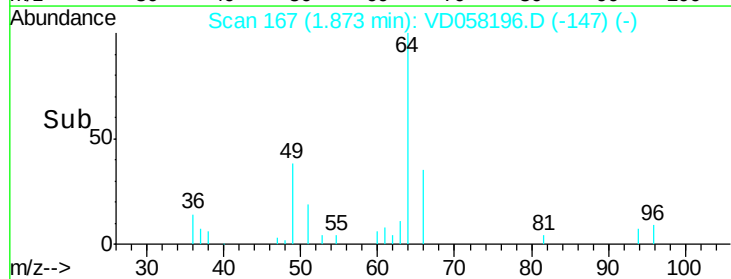
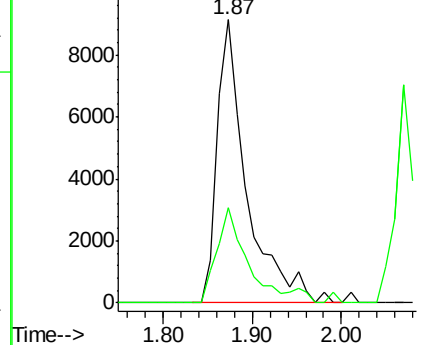
64 100

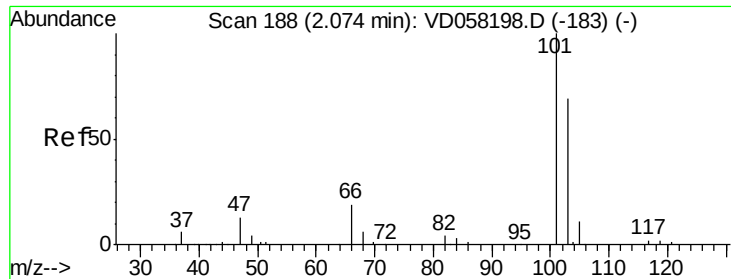
66 33.5 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 9.41 ug/l

RT: 2.07 min Scan# 187

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

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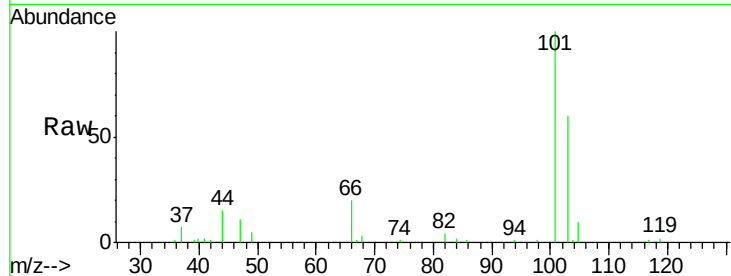
VSTDIC010

Tot Ion:101 Resp: 73841

Ion Ratio Lower Upper

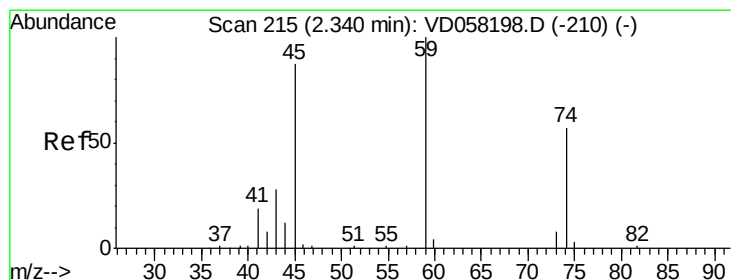
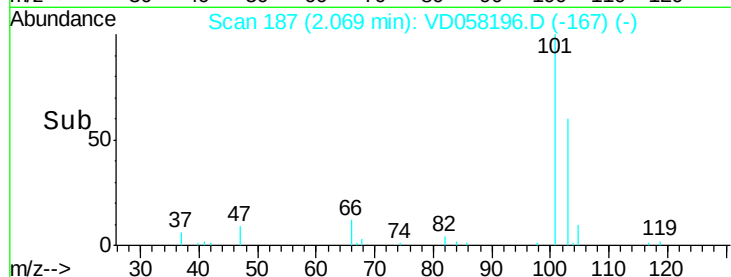
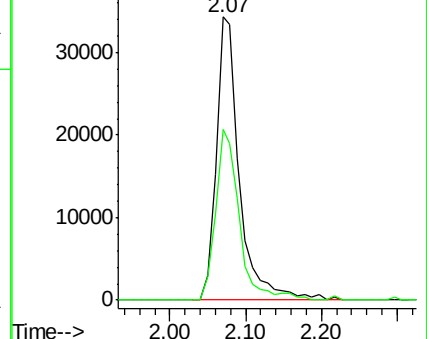
101 100

103 60.4 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 9.49 ug/l

RT: 2.34 min Scan# 214

Delta R.T. -0.00 min

Lab File: VD058196.D

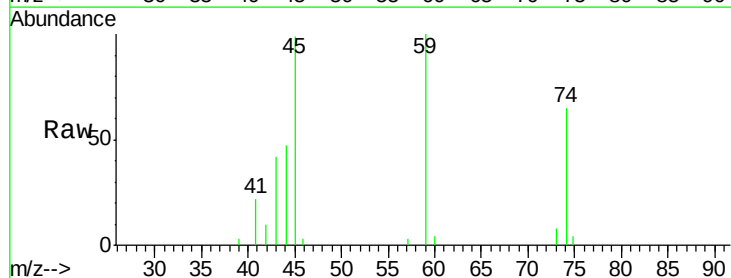
Acq: 19 Jun 2018 16:02

Tgt Ion: 74 Resp: 14194

Ion Ratio Lower Upper

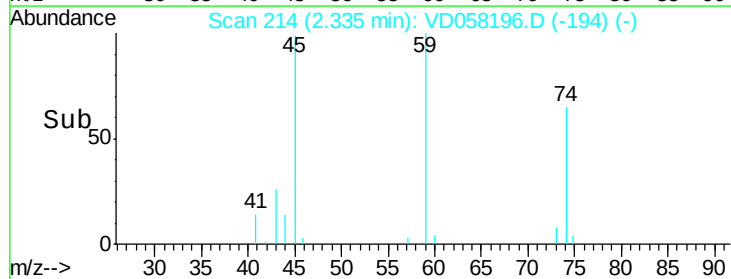
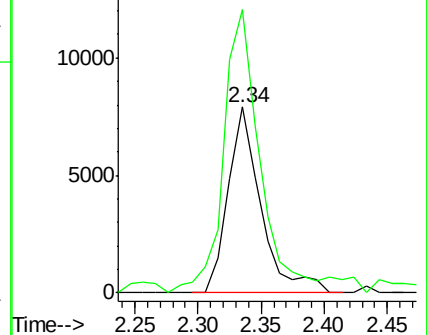
74 100

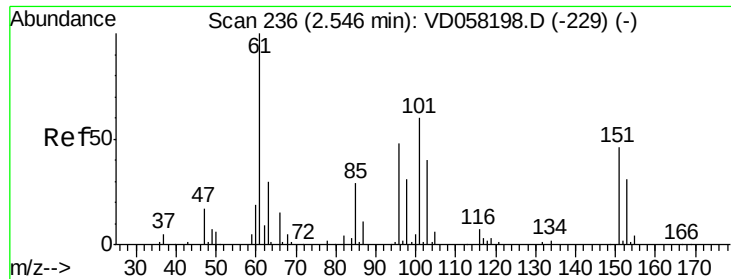
45 152.5 77.5 232.6



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: 8.95 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.00 min

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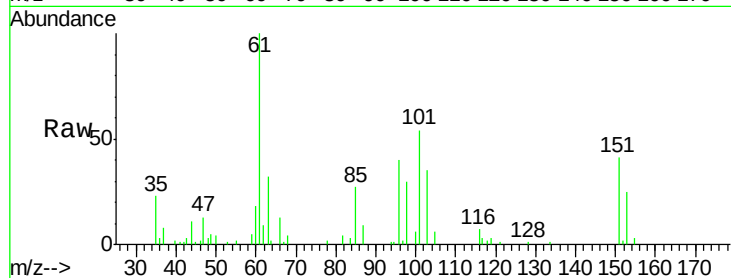
Tot Ion:101 Resp: 42349

Ion Ratio Lower Upper

101 100

85 50.4 39.0 58.4

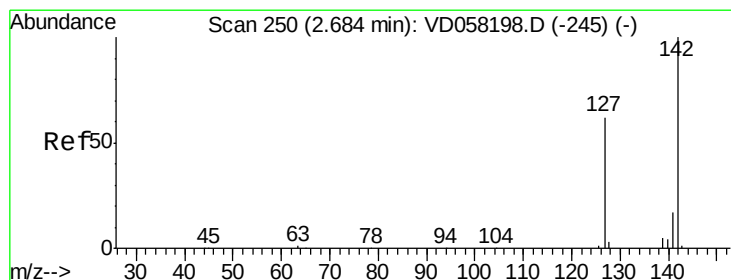
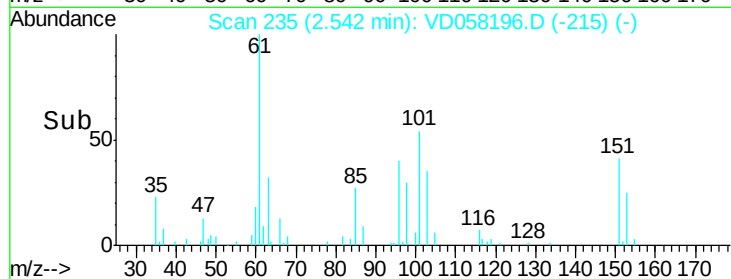
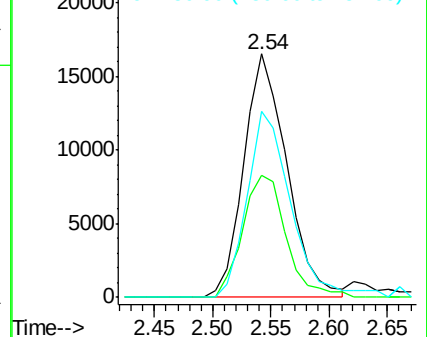
151 76.2 61.8 92.8



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: 7.02 ug/l

RT: 2.68 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

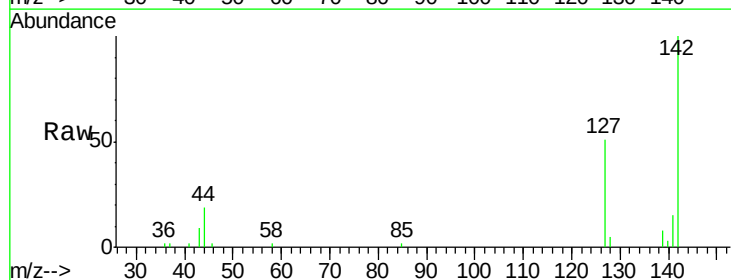
Tgt Ion:142 Resp: 42594

Ion Ratio Lower Upper

142 100

127 51.3 49.4 74.0

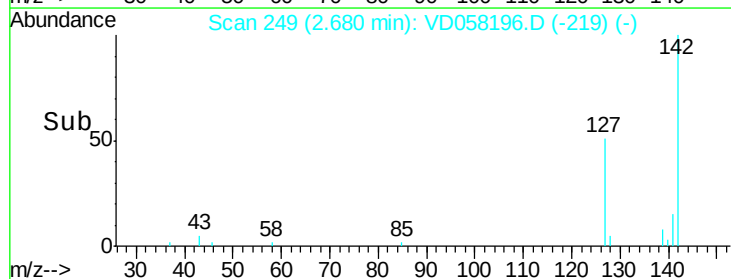
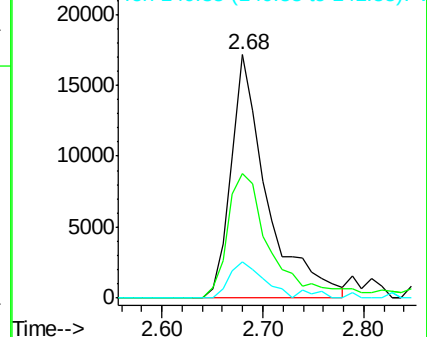
141 15.2 13.5 20.3

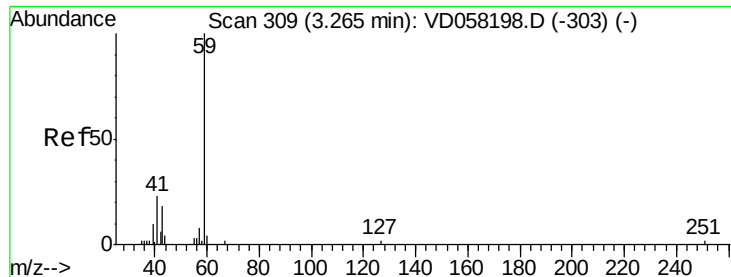


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 64.55 ug/l

RT: 3.25 min Scan# 307

Delta R.T. -0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

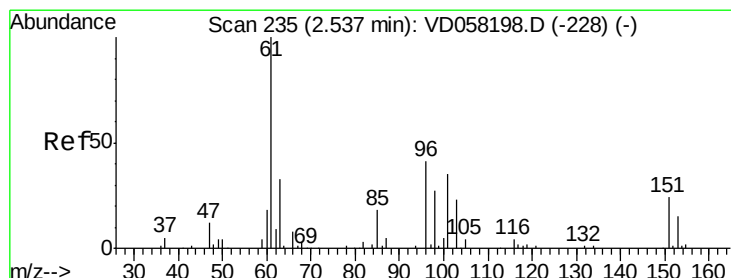
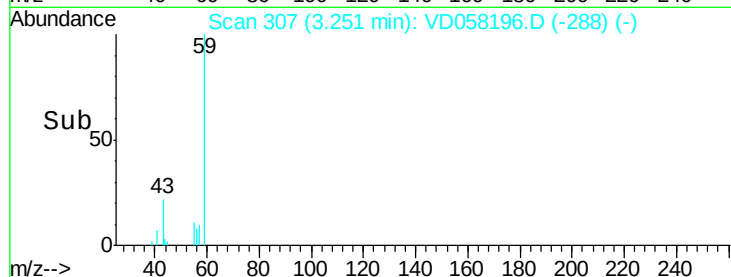
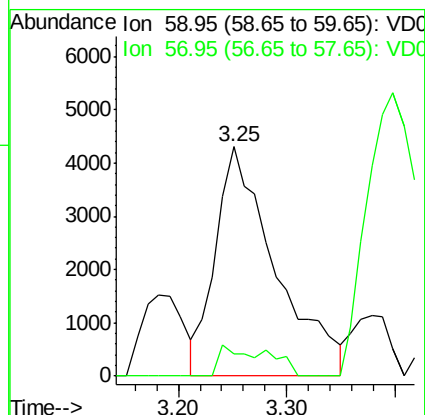
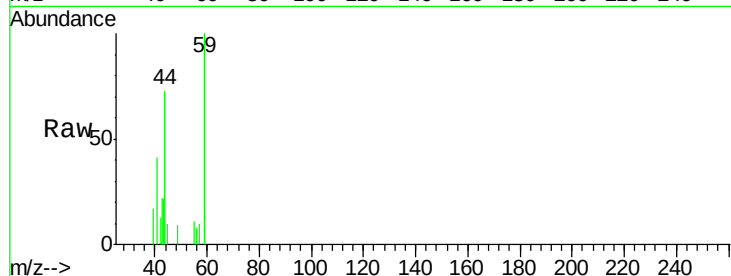
VSTDIC010

Tot Ion: 59 Resp: 16573

Ion Ratio Lower Upper

59 100

57 9.7 6.2 9.4#



#12

1,1-Dichloroethene

Concen: 8.89 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

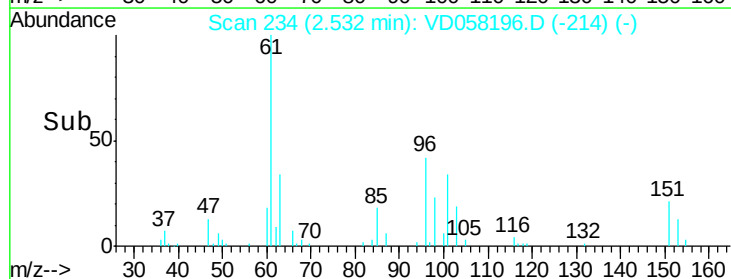
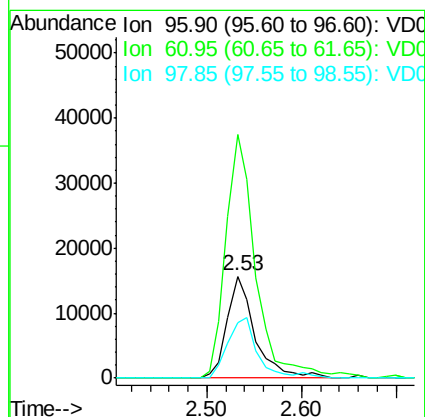
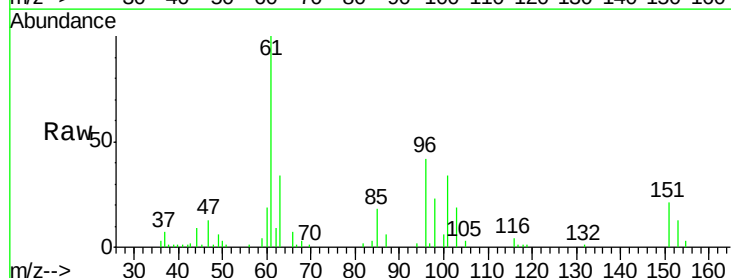
Tgt Ion: 96 Resp: 32346

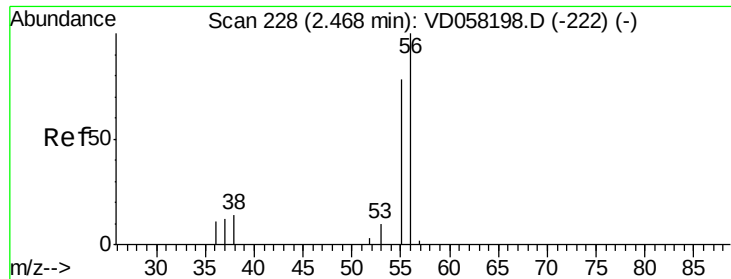
Ion Ratio Lower Upper

96 100

61 239.6 193.9 290.9

98 54.6 51.7 77.5





#13

Acrolein

Concen: 32.65 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

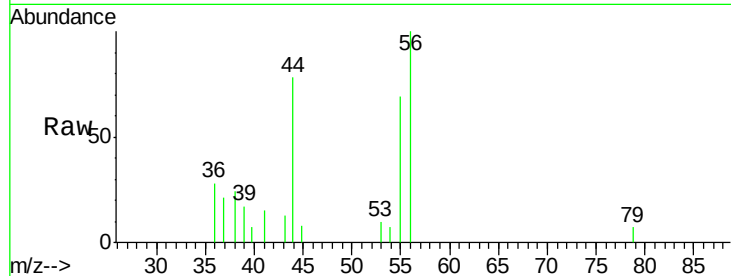
VSTDIC010

Tot Ion: 56 Resp: 10515

Ion Ratio Lower Upper

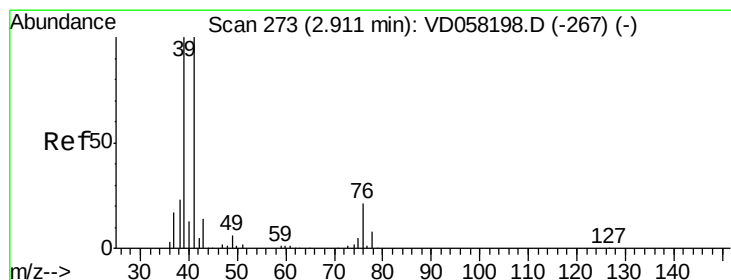
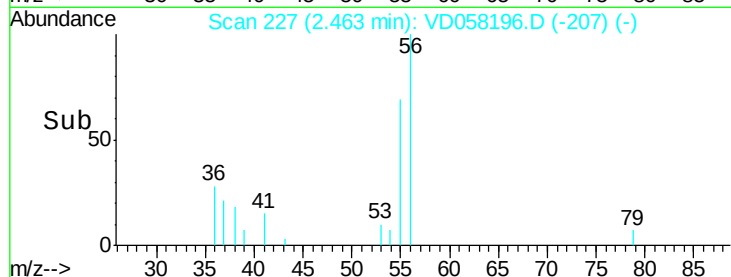
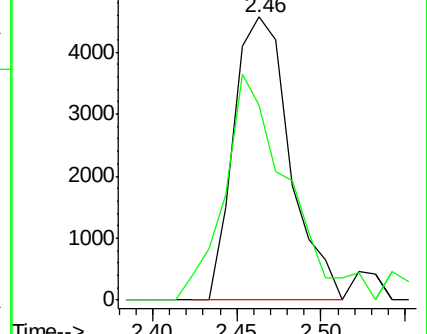
56 100

55 69.1 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 8.81 ug/l

RT: 2.92 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

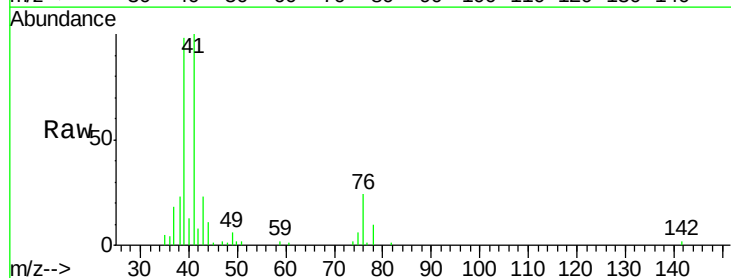
Tgt Ion: 41 Resp: 74888

Ion Ratio Lower Upper

41 100

39 98.3 80.1 120.1

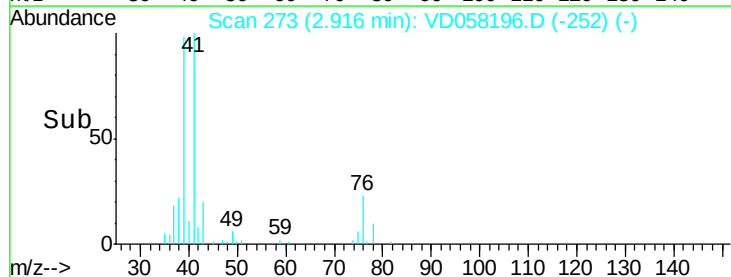
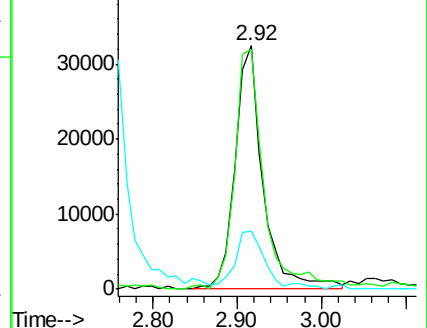
76 24.0 19.4 29.2

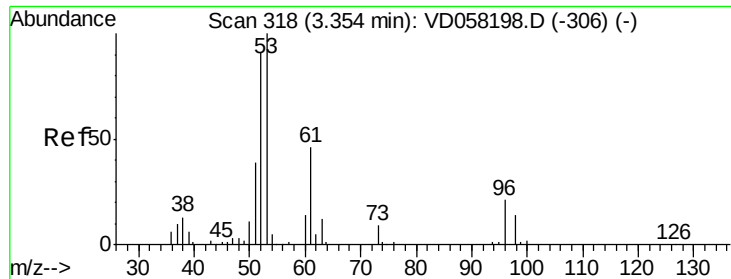


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

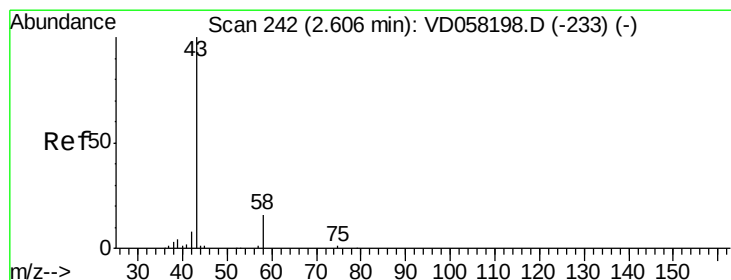
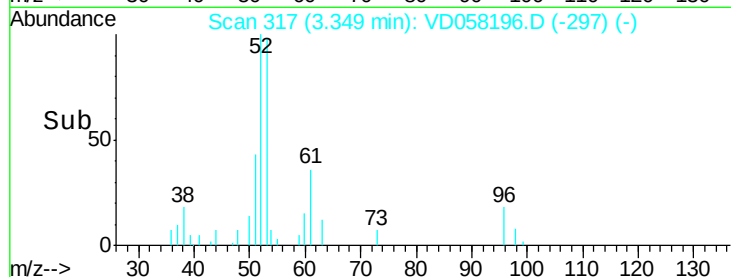
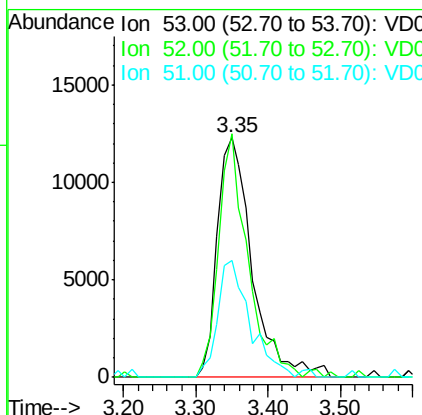
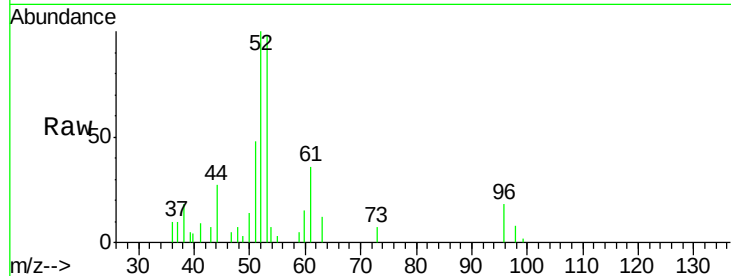




#15
Acrylonitrile
Concen: 30.00 ug/l
RT: 3.35 min Scan# 317
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

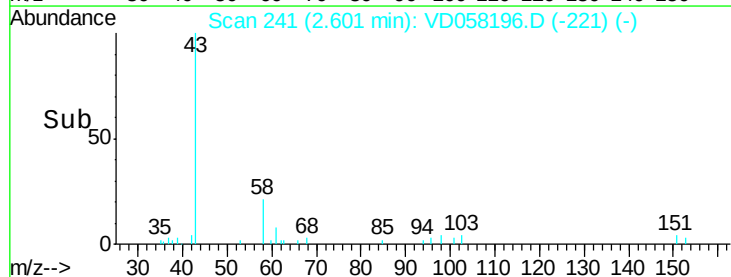
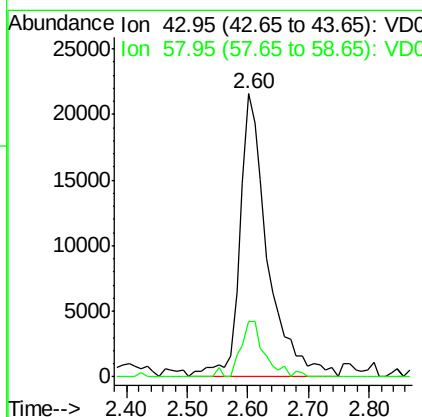
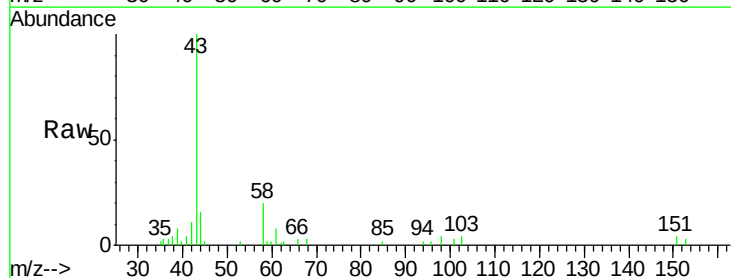
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

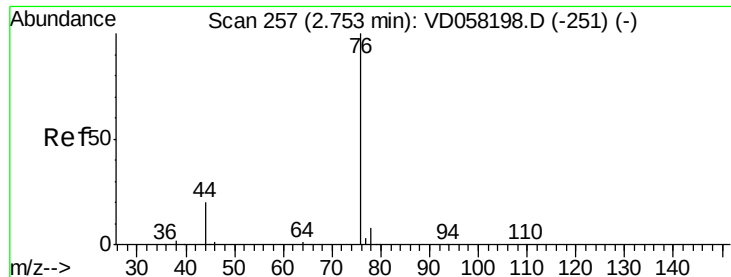
Tot Ion: 53 Resp: 41139
Ion Ratio Lower Upper
53 100
52 101.8 72.6 108.8
51 48.8 32.2 48.4#



#16
Acetone
Concen: 50.90 ug/l
RT: 2.60 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion: 43 Resp: 68637
Ion Ratio Lower Upper
43 100
58 19.8 12.7 19.1#





#17

Carbon Disulfide

Concen: 8.35 ug/l

RT: 2.75 min Scan# 256

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

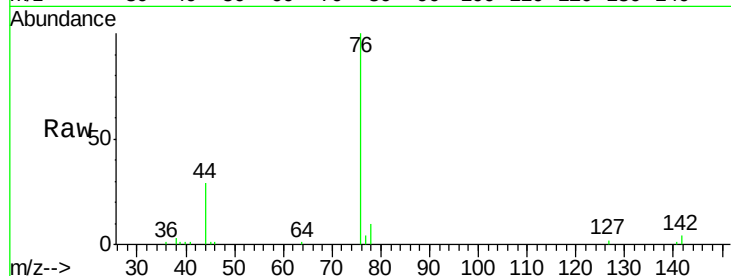
VSTDIC010

Tot Ion: 76 Resp: 108859

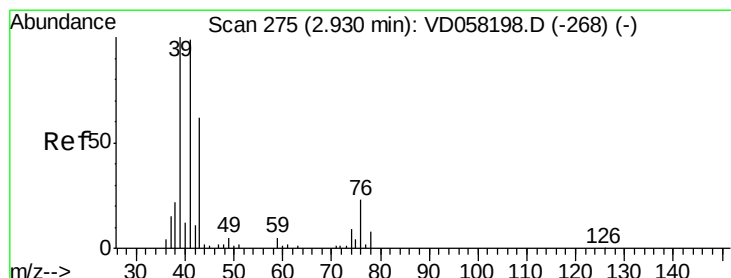
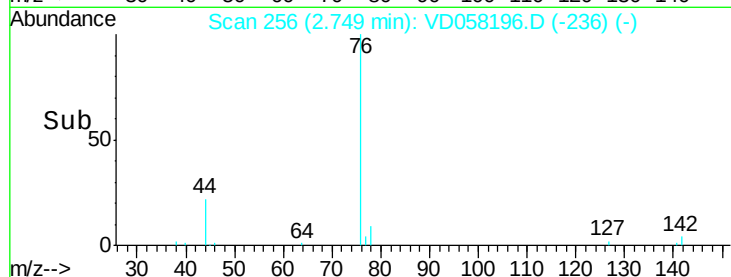
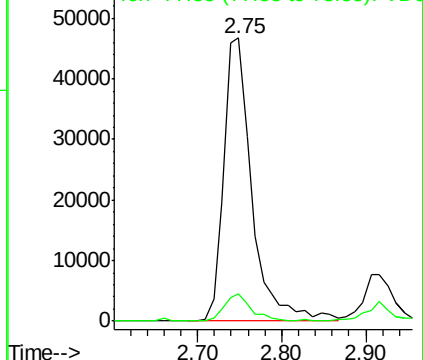
Ion Ratio Lower Upper

76 100

78 9.5 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 10.19 ug/l

RT: 2.93 min Scan# 274

Delta R.T. -0.00 min

Lab File: VD058196.D

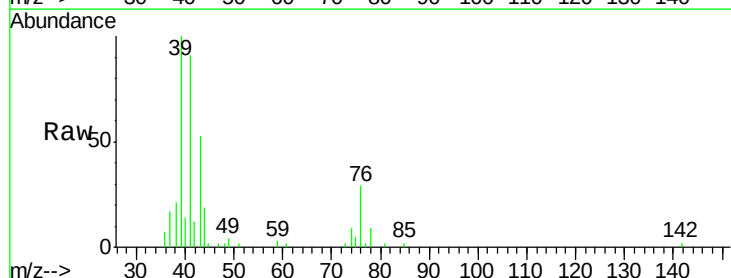
Acq: 19 Jun 2018 16:02

Tgt Ion: 43 Resp: 27234

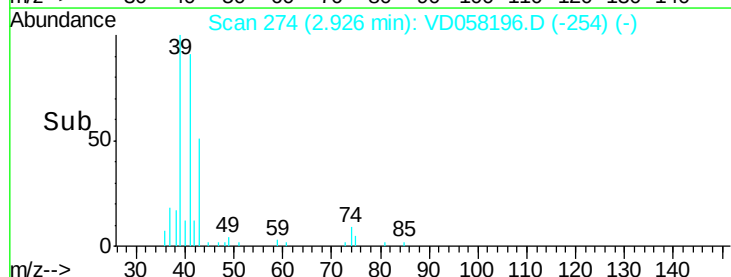
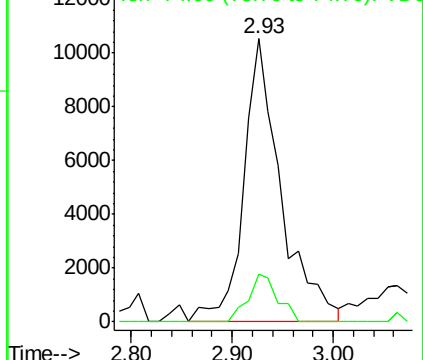
Ion Ratio Lower Upper

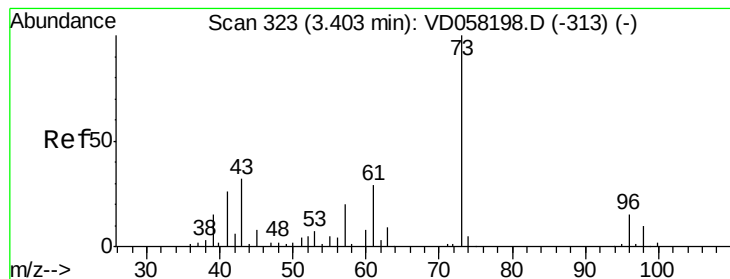
43 100

74 16.9 11.7 17.5



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 5.69 ug/l

RT: 3.40 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

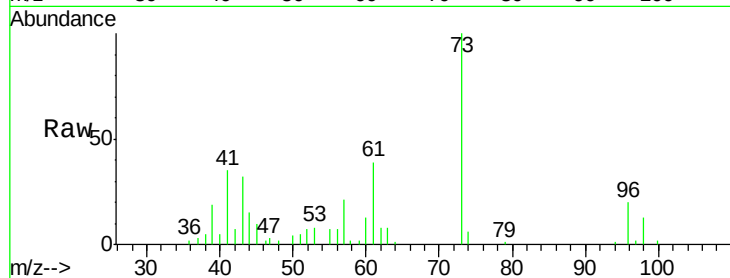
VSTDIC010

Tot Ion: 73 Resp: 86430

Ion Ratio Lower Upper

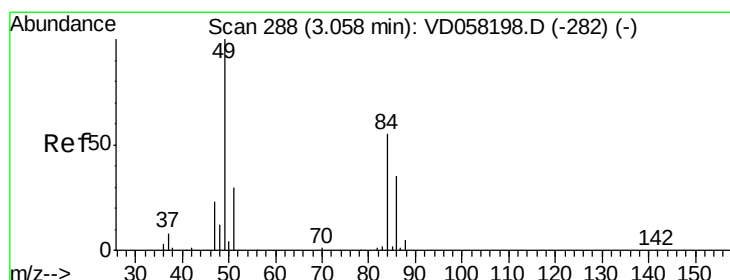
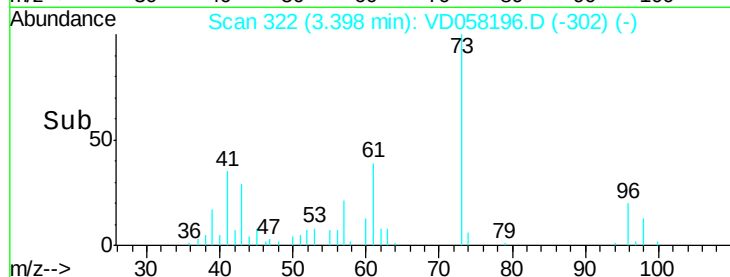
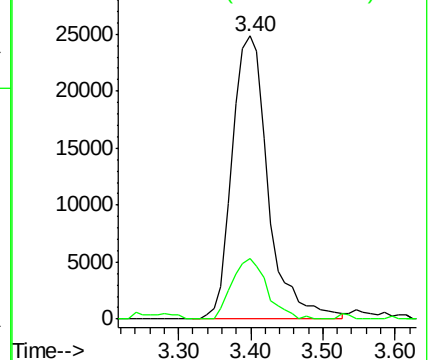
73 100

57 21.4 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 10.00 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Tgt Ion: 84 Resp: 45235

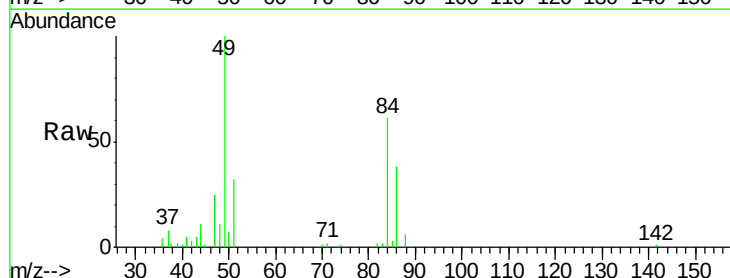
Ion Ratio Lower Upper

84 100

49 165.1 145.0 217.6

51 53.6 42.9 64.3

86 62.9 50.1 75.1

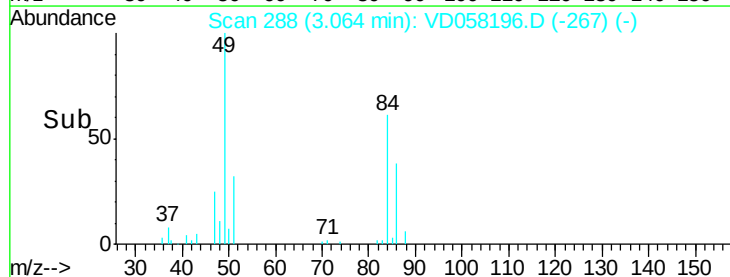
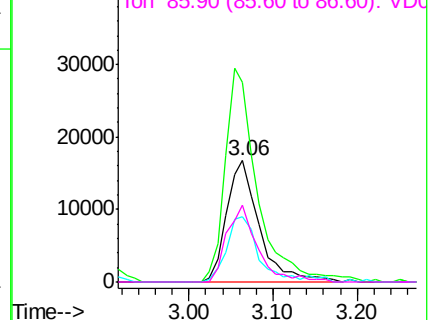


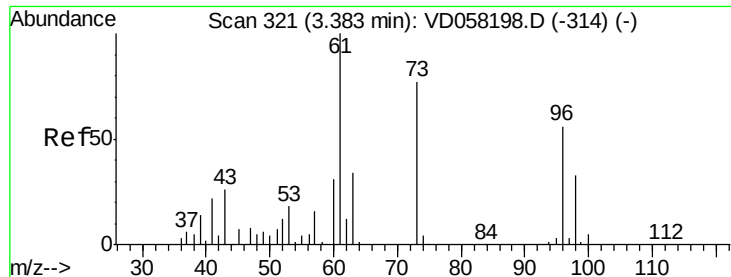
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 4.76 ug/l

RT: 3.38 min Scan# 320

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

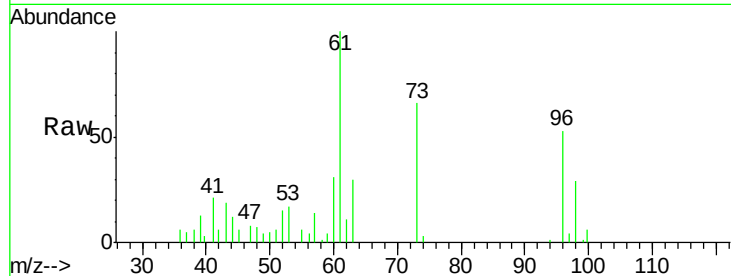
Tot Ion: 96 Resp: 35670

Ion Ratio Lower Upper

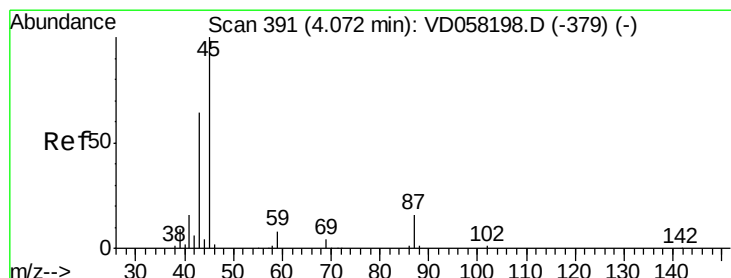
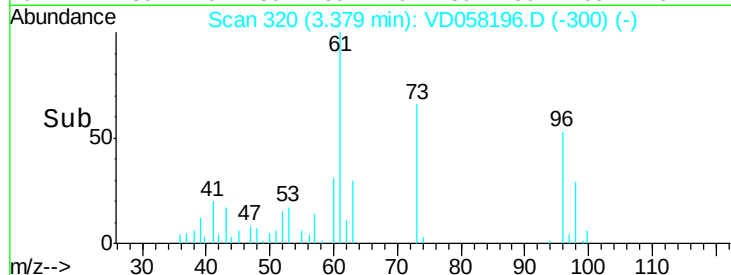
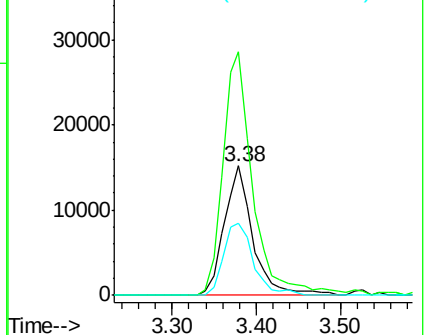
96 100

61 188.2 143.8 215.6

98 55.5 48.0 72.0



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



#22

Diisopropyl ether

Concen: 9.30 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Tgt Ion: 45 Resp: 310052

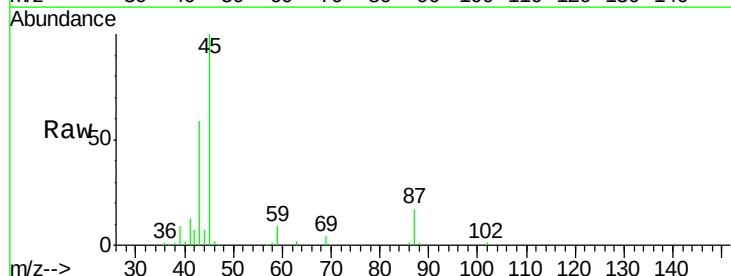
Ion Ratio Lower Upper

45 100

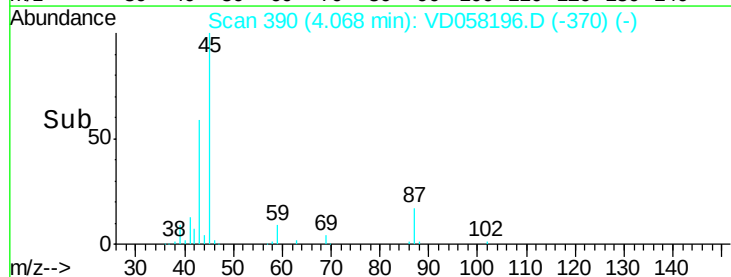
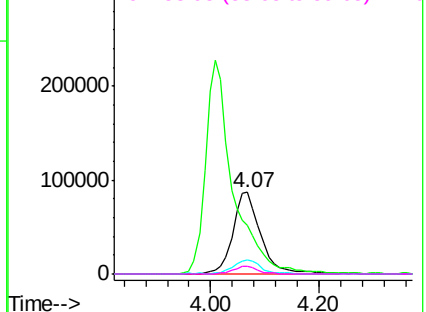
43 59.2 51.4 77.0

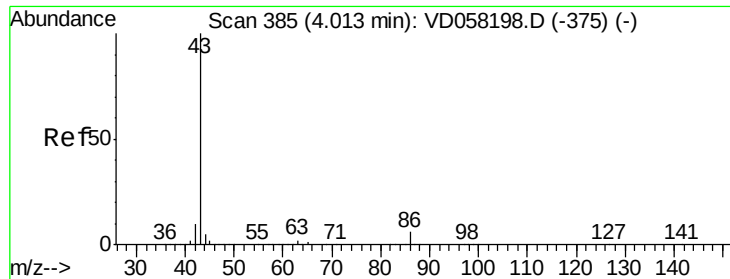
87 17.5 13.0 19.4

59 9.0 6.9 10.3



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: 46.05 ug/l

RT: 4.01 min Scan# 384

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleID :

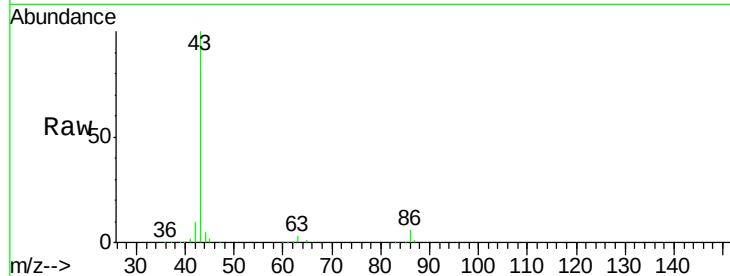
VSTDIC010

Tot Ion: 43 Resp: 800631

Ion Ratio Lower Upper

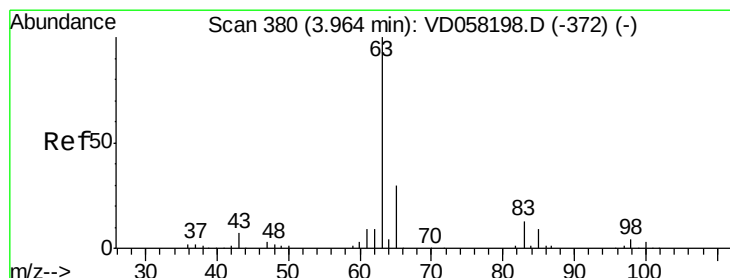
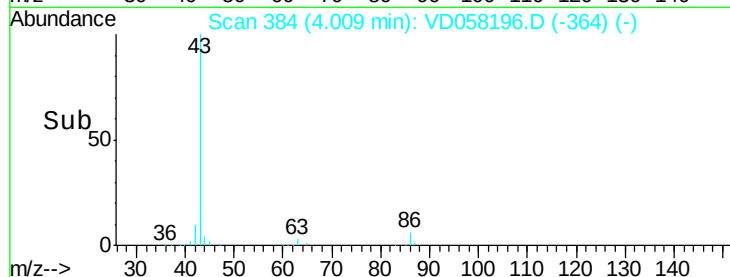
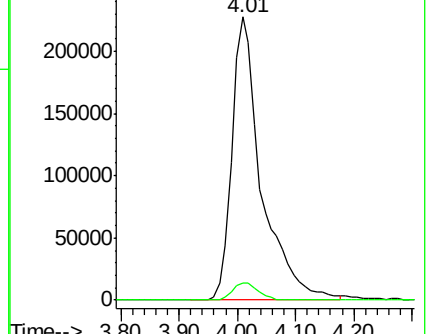
43 100

86 6.2 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 8.75 ug/l

RT: 3.96 min Scan# 379

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

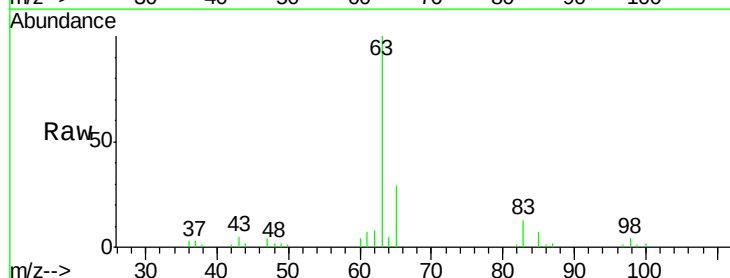
Tgt Ion: 63 Resp: 160647

Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

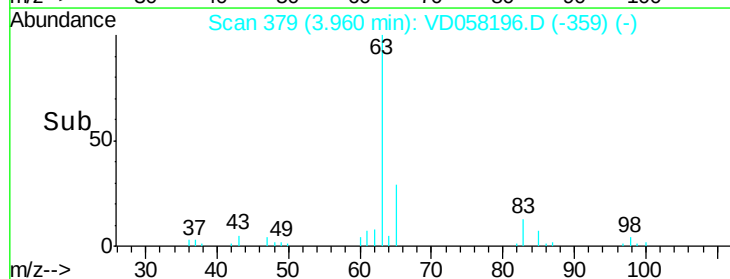
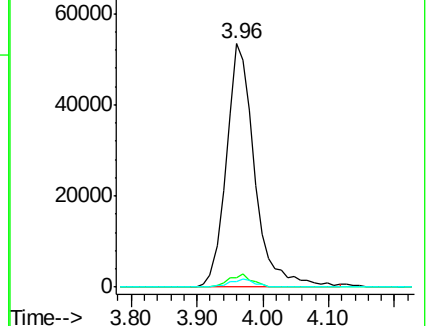
100 2.2 1.3 3.9

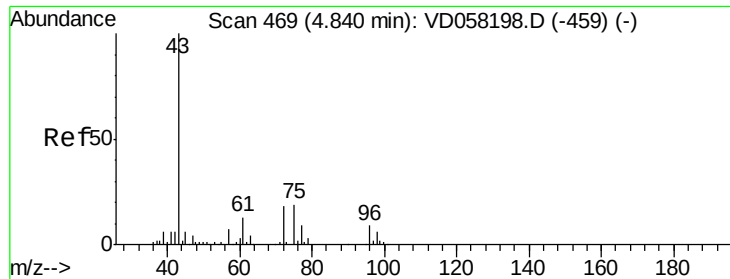


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 46.52 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

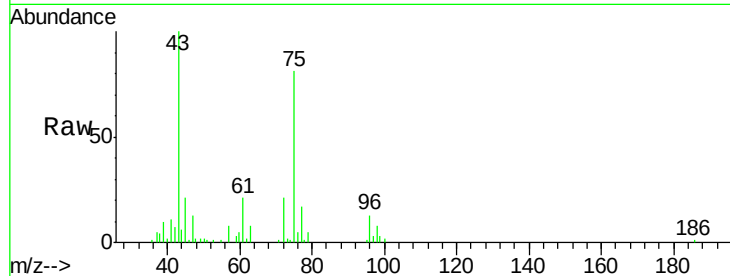
VSTDIC010

Tot Ion: 43 Resp: 140771

Ion Ratio Lower Upper

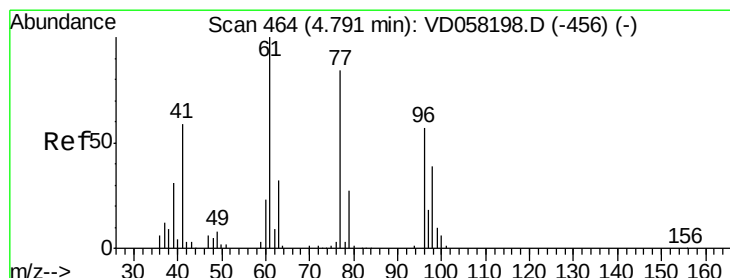
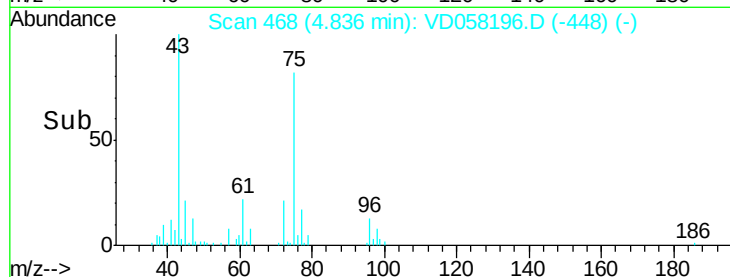
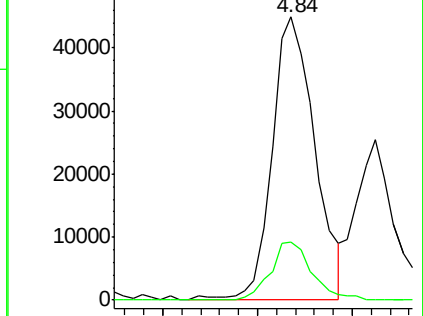
43 100

72 20.6 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 9.02 ug/l

RT: 4.80 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD058196.D

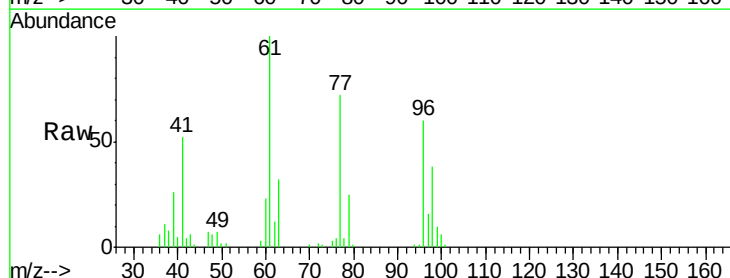
Acq: 19 Jun 2018 16:02

Tgt Ion: 77 Resp: 136106

Ion Ratio Lower Upper

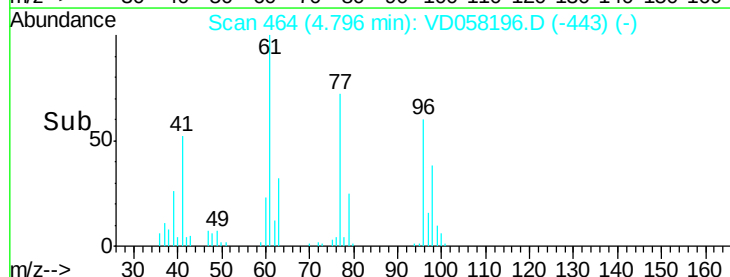
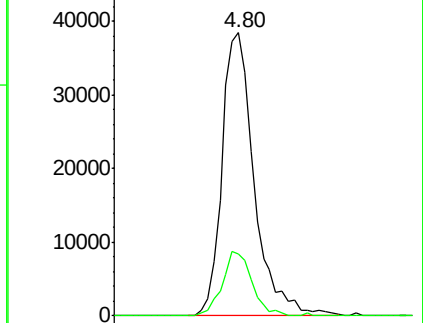
77 100

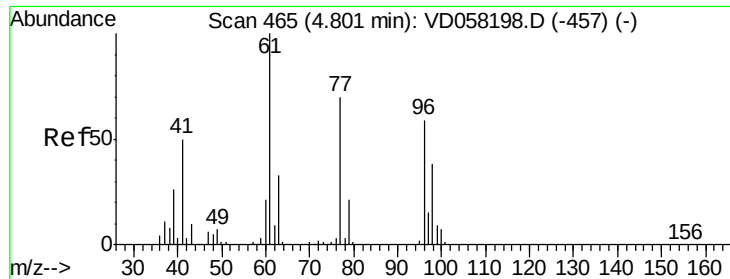
97 21.8 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 9.59 ug/l

RT: 4.80 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

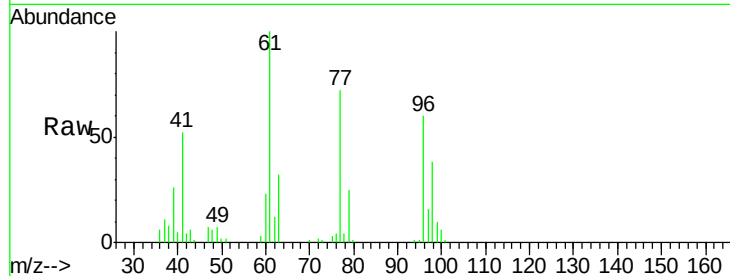
Tot Ion: 96 Resp: 92930

Ion Ratio Lower Upper

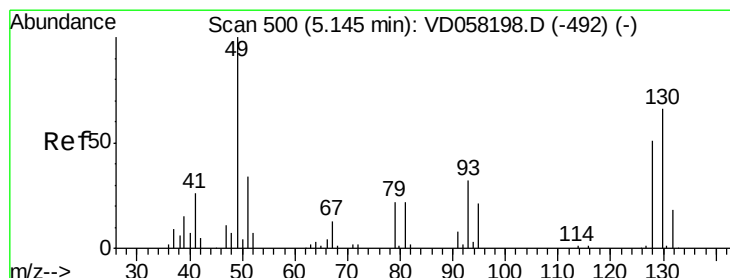
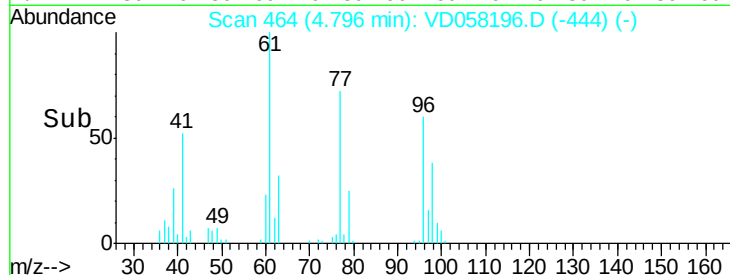
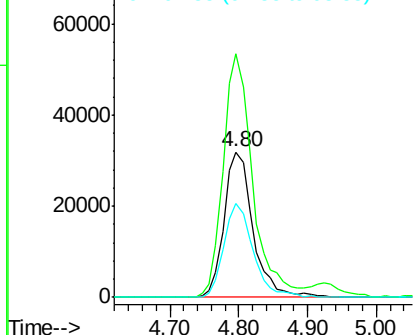
96 100

61 167.5 0.0 338.6

98 64.4 0.0 130.2



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



#28

Bromochloromethane

Concen: 9.80 ug/l

RT: 5.13 min Scan# 498

Delta R.T. -0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

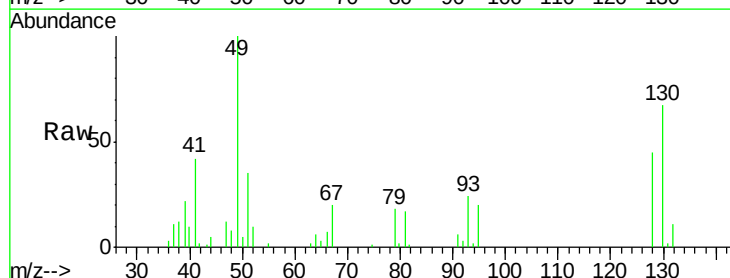
Tgt Ion: 49 Resp: 78624

Ion Ratio Lower Upper

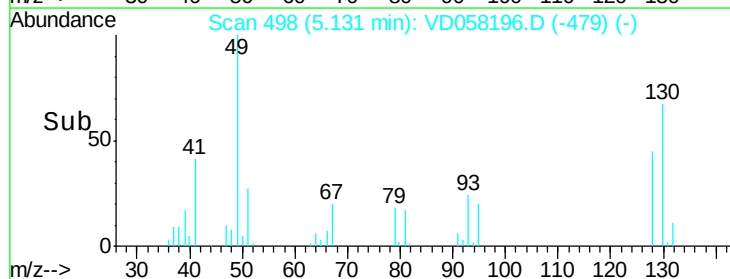
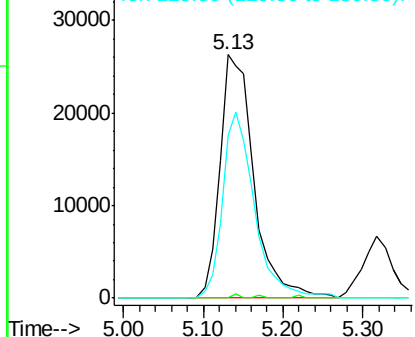
49 100

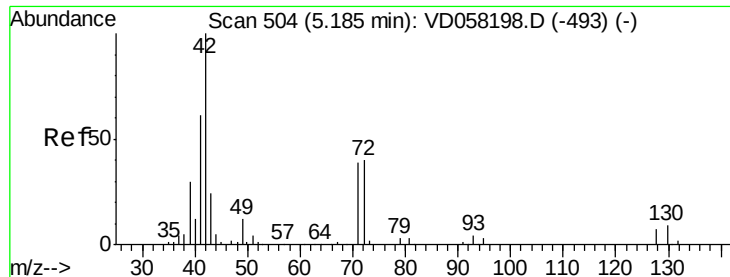
129 0.0 0.0 0.0

130 66.9 52.6 79.0



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: 46.04 ug/l

RT: 5.19 min Scan# 504

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

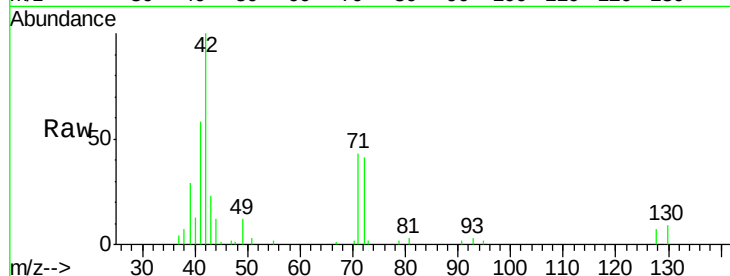
Tot Ion: 42 Resp: 73976

Ion Ratio Lower Upper

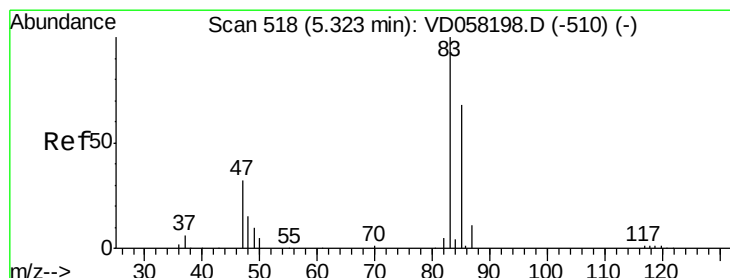
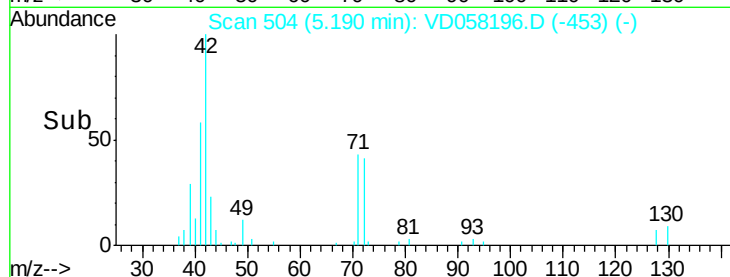
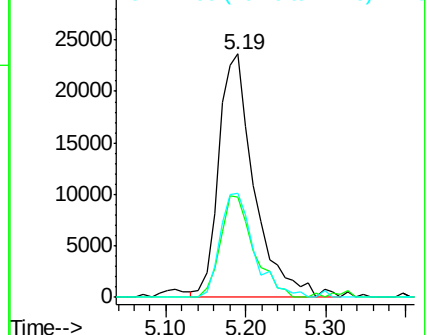
42 100

72 38.9 30.2 45.2

71 40.5 30.1 45.1



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



#30

Chloroform

Concen: 9.22 ug/l

RT: 5.32 min Scan# 517

Delta R.T. -0.00 min

Lab File: VD058196.D

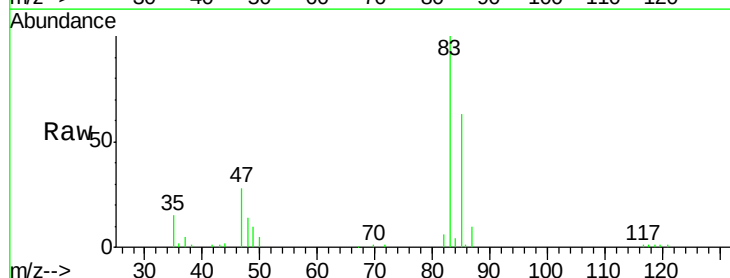
Acq: 19 Jun 2018 16:02

Tgt Ion: 83 Resp: 171228

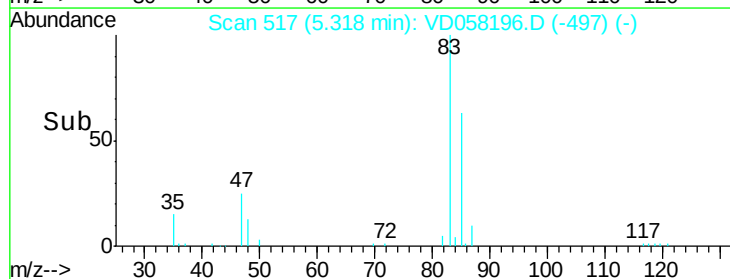
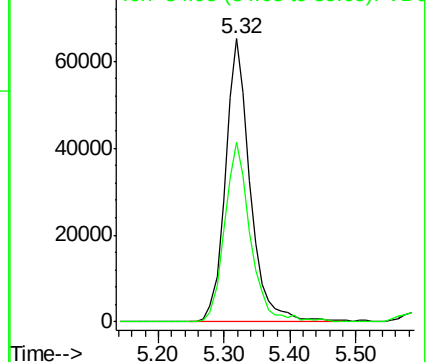
Ion Ratio Lower Upper

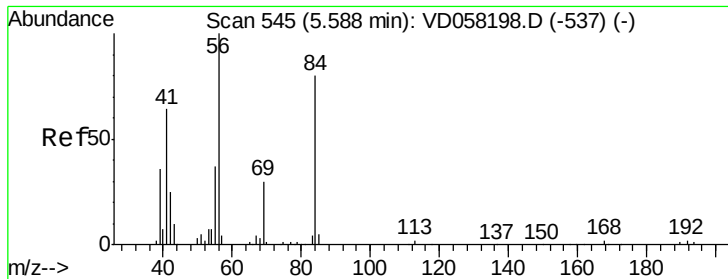
83 100

85 63.3 54.8 82.2



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





#31

Cyclohexane

Concen: 9.43 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

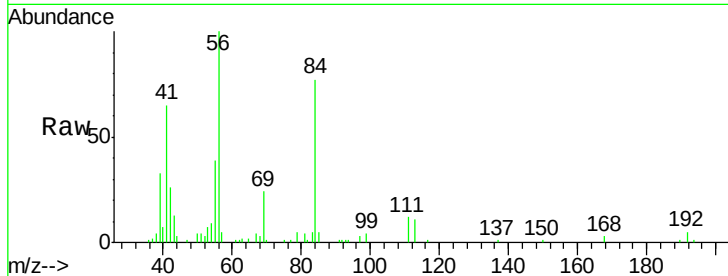
Tot Ion: 56 Resp: 149412

Ion Ratio Lower Upper

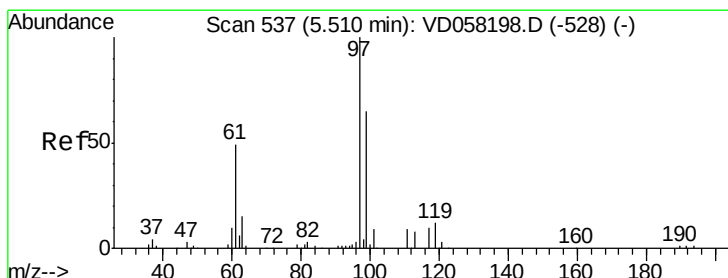
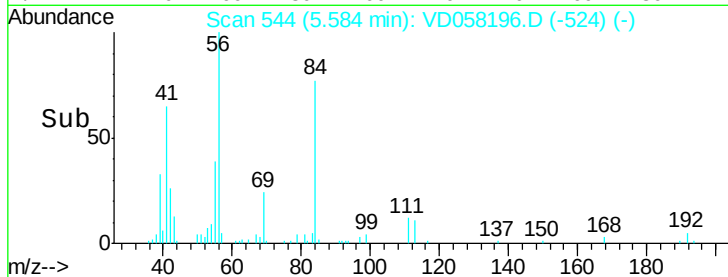
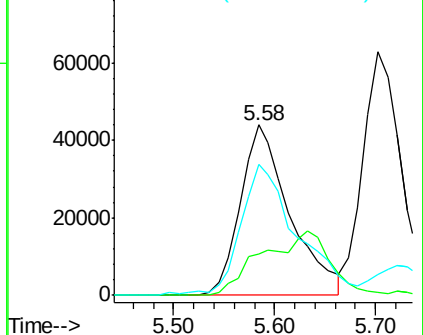
56 100

69 24.5 23.6 35.4

84 76.8 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 8.61 ug/l

RT: 5.51 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

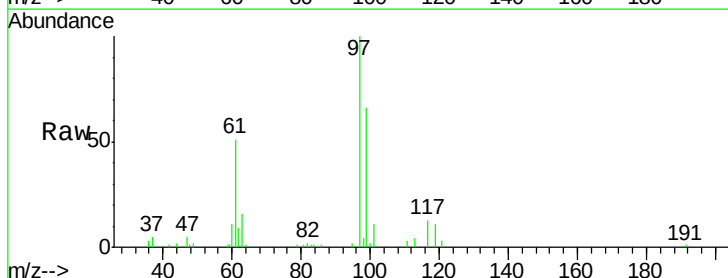
Tgt Ion: 97 Resp: 133886

Ion Ratio Lower Upper

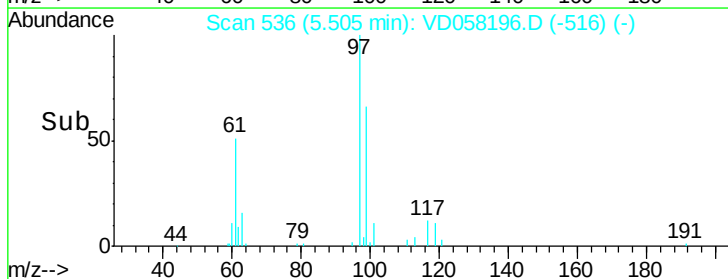
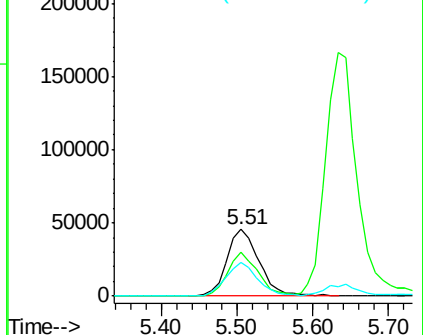
97 100

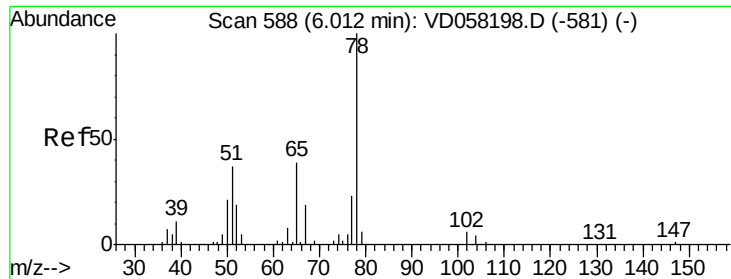
99 66.1 52.2 78.4

61 50.6 39.0 58.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

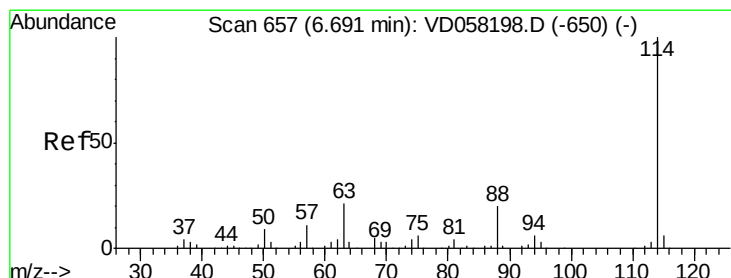
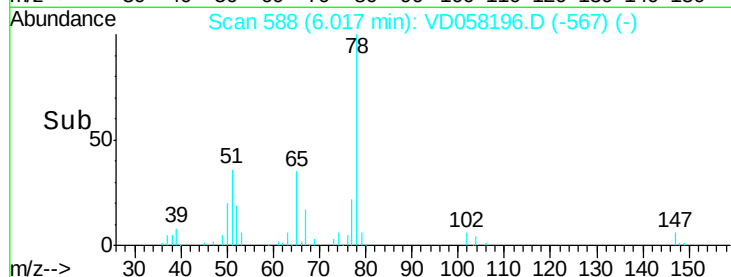
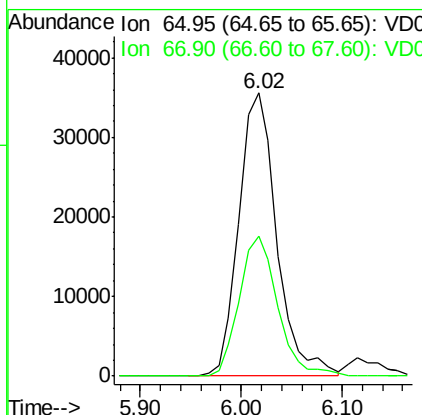
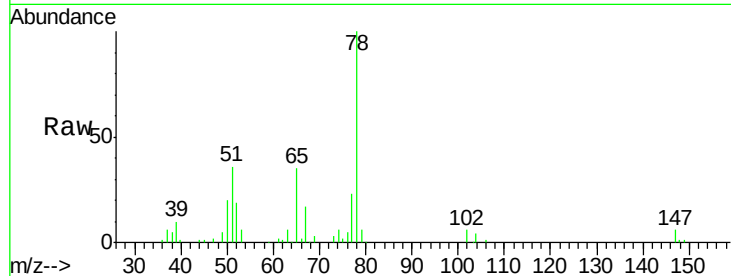




#33
 1,2-Dichloroethane-d4
 Concen: 8.61 ug/l
 RT: 6.02 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

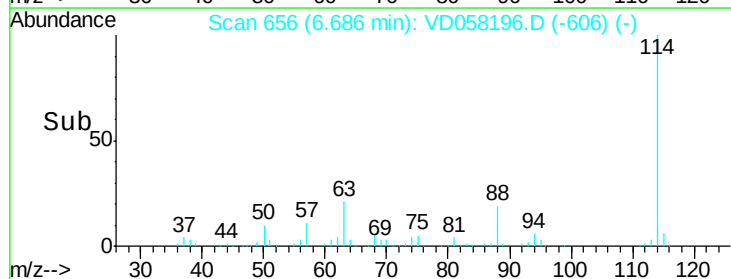
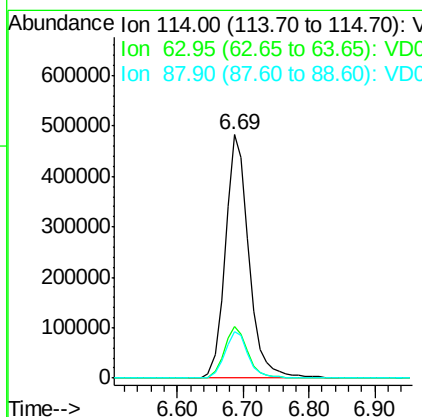
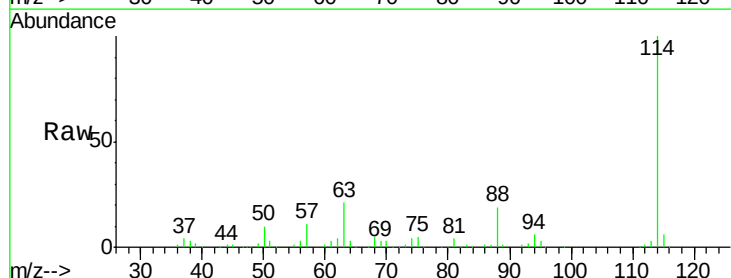
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

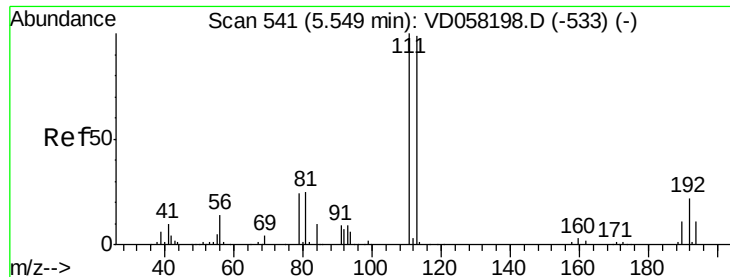
Tot Ion: 65 Resp: 93090
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Tgt Ion: 114 Resp: 1201321
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.6
 88 19.3 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

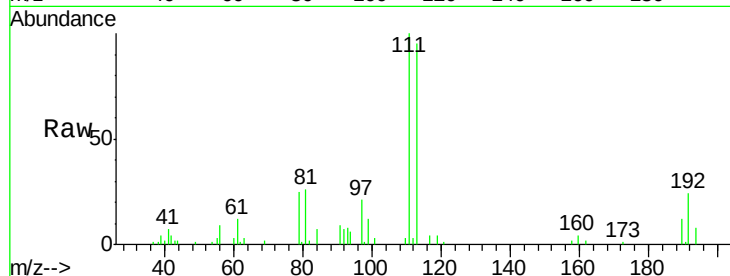
Tot Ion:113 Resp: 97899

Ion Ratio Lower Upper

113 100

111 105.4 80.6 121.0

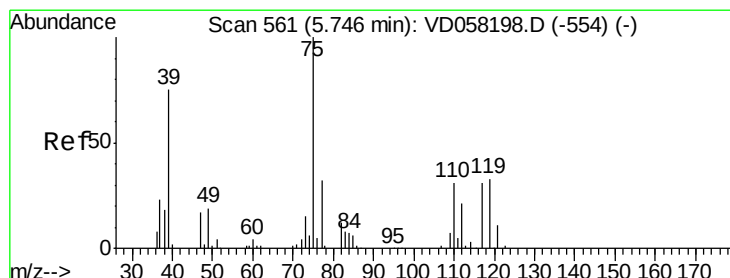
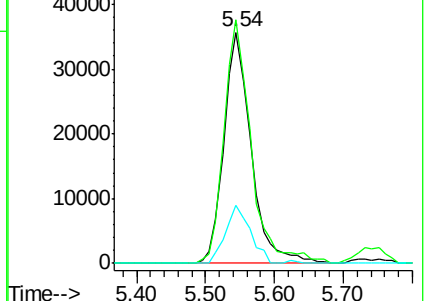
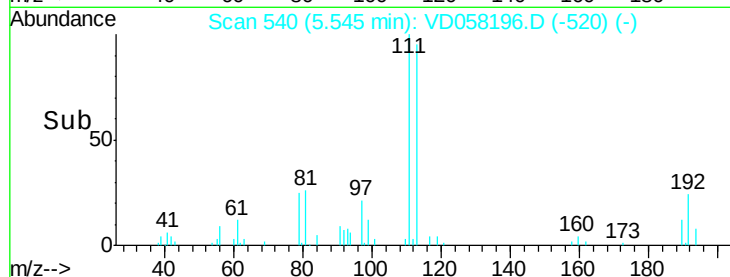
192 25.3 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 9.76 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

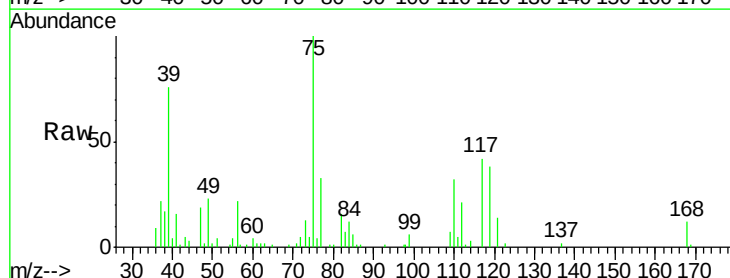
Tgt Ion: 75 Resp: 126573

Ion Ratio Lower Upper

75 100

110 32.0 15.4 46.4

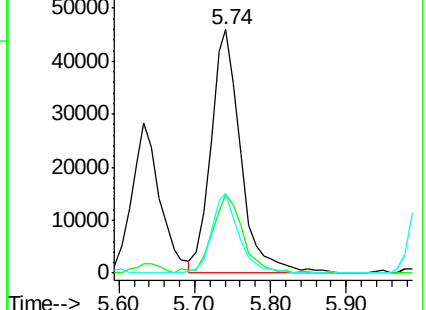
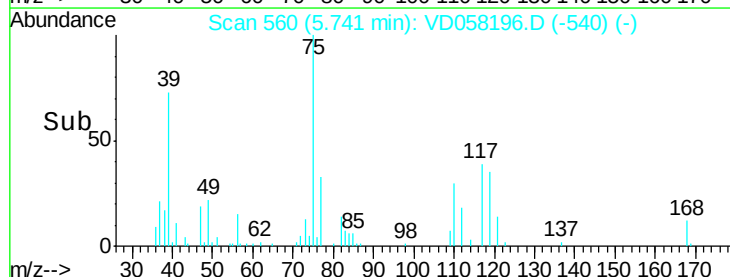
77 32.8 25.4 38.2

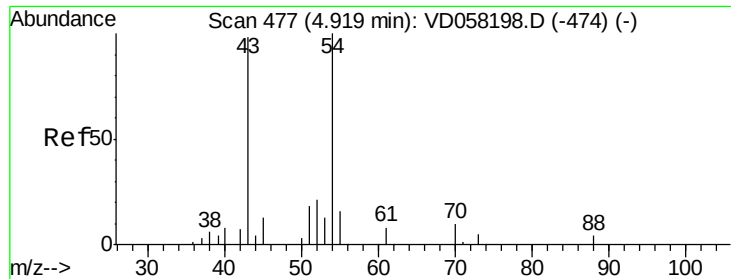


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

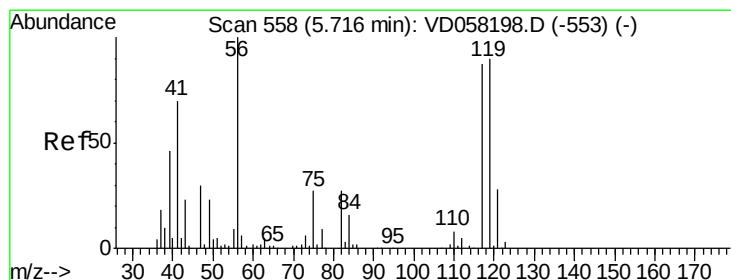
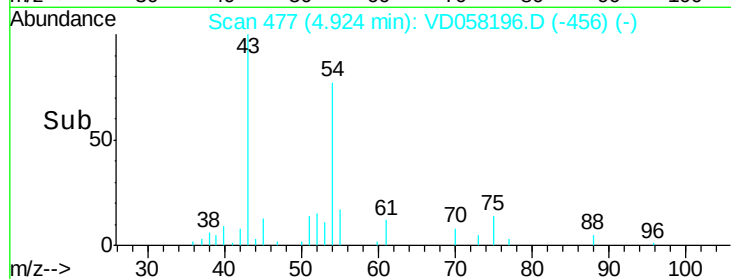
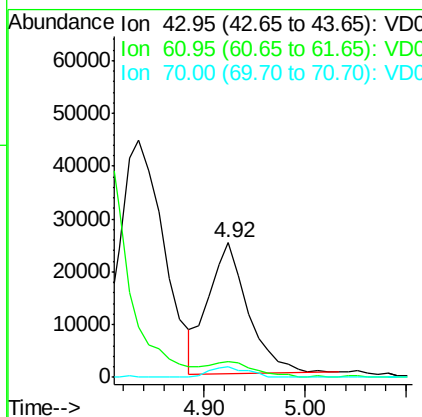
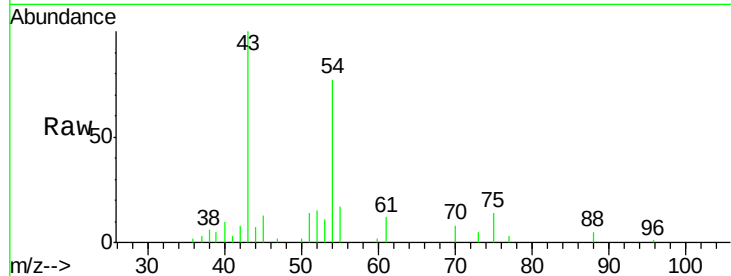




#37
Ethyl Acetate
Concen: 9.35 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

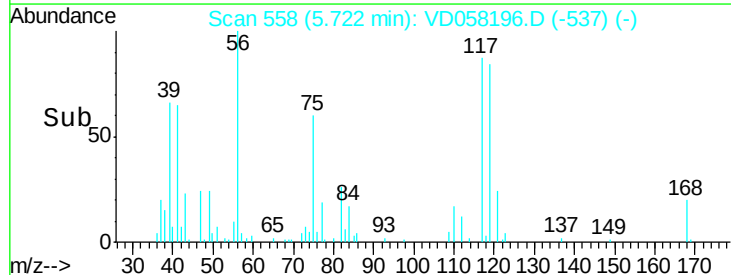
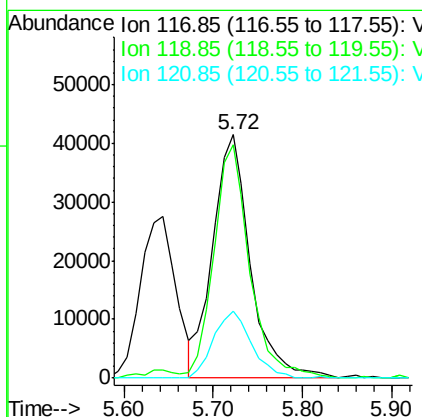
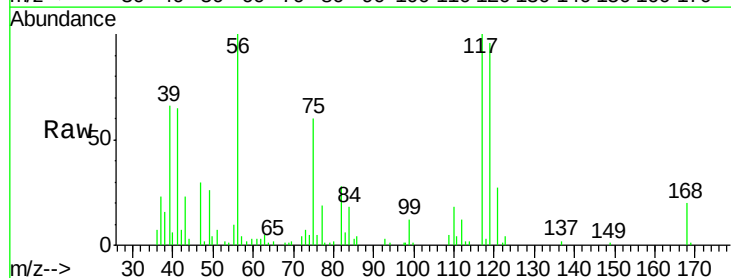
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

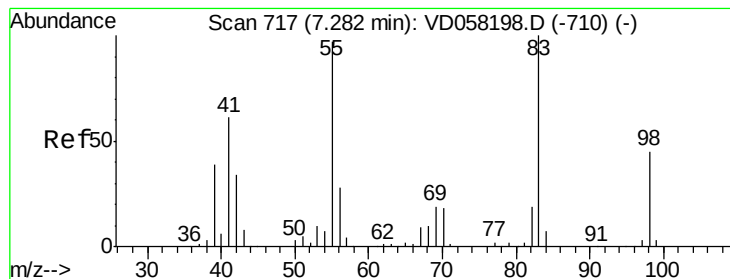
Tot Ion: 43 Resp: 67736
Ion Ratio Lower Upper
43 100
61 12.0 10.3 15.5
70 7.6 5.7 8.5



#38
Carbon Tetrachloride
Concen: 9.54 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion: 117 Resp: 122409
Ion Ratio Lower Upper
117 100
119 95.6 78.8 118.2
121 27.4 25.0 37.6





#39

Methylvlcyclohexane

Concen: 9.19 ug/l

RT: 7.28 min Scan# 716

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

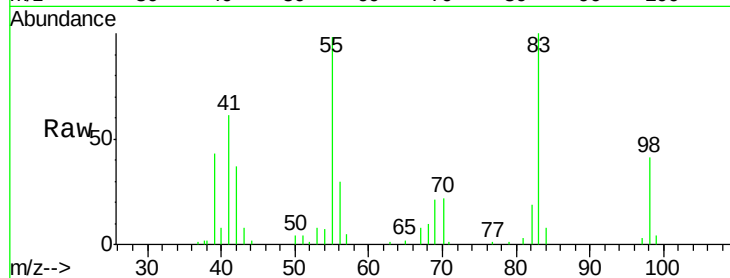
Tot Ion: 83 Resp: 117265

Ion Ratio Lower Upper

83 100

55 97.7 77.4 116.2

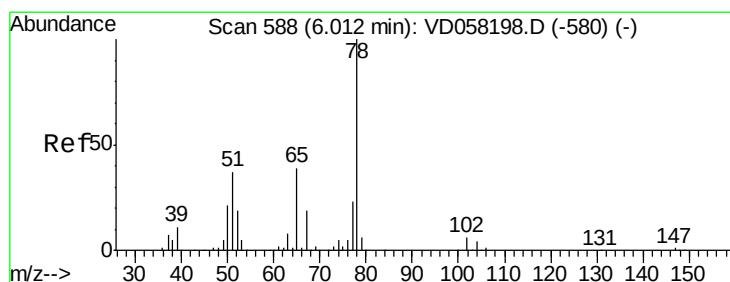
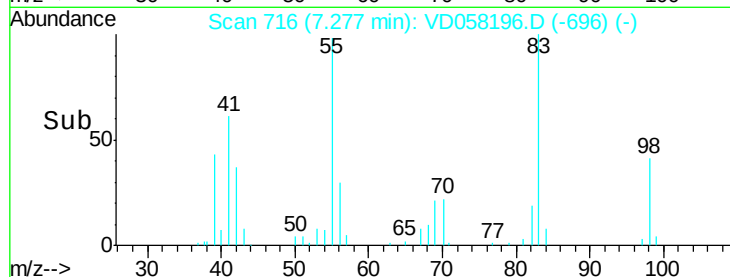
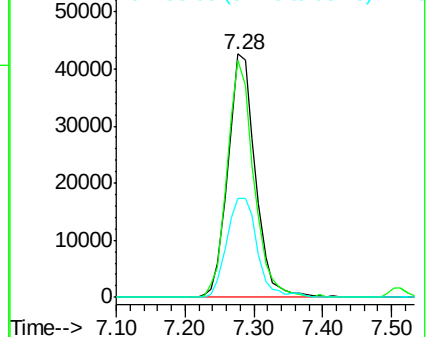
98 40.5 35.9 53.9



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: 9.70 ug/l

RT: 6.01 min Scan# 587

Delta R.T. -0.00 min

Lab File: VD058196.D

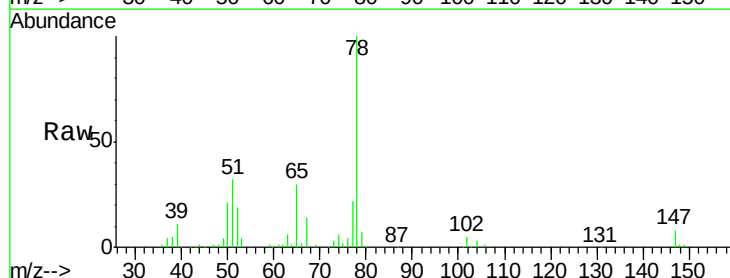
Acq: 19 Jun 2018 16:02

Tgt Ion: 78 Resp: 294102

Ion Ratio Lower Upper

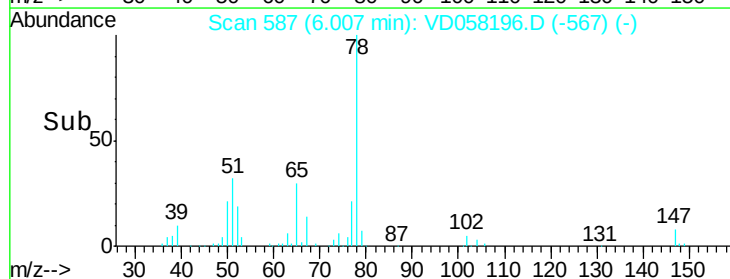
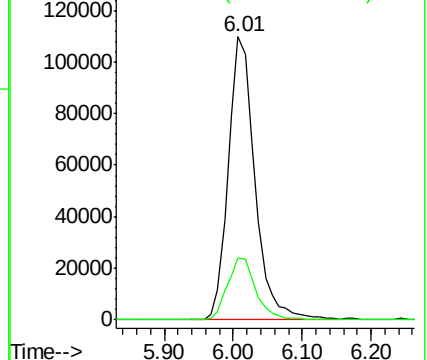
78 100

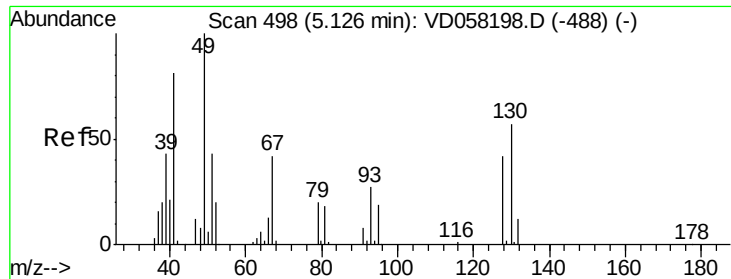
77 21.9 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 10.57 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 34738

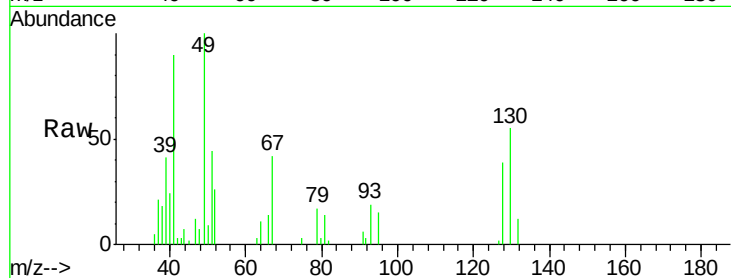
Ion Ratio Lower Upper

41 100

39 45.4 43.4 65.2

67 46.4 41.7 62.5

52 28.8 20.6 30.8

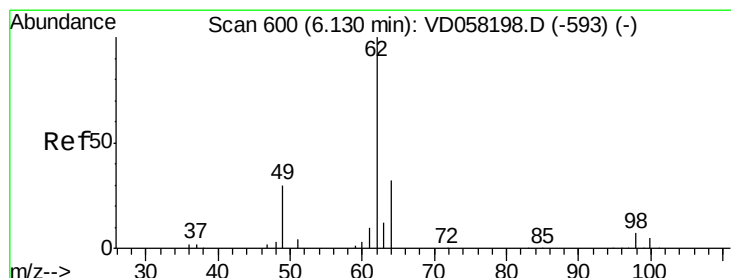
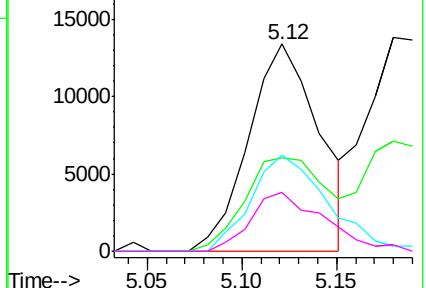
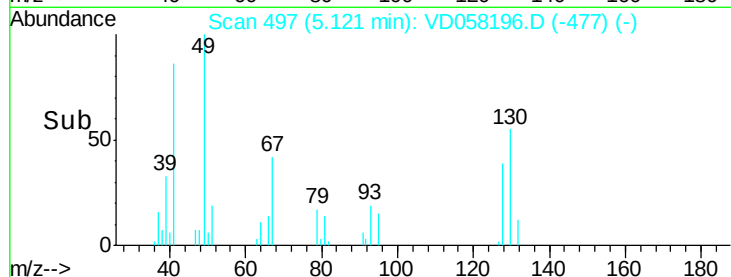


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 9.24 ug/l

RT: 6.13 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD058196.D

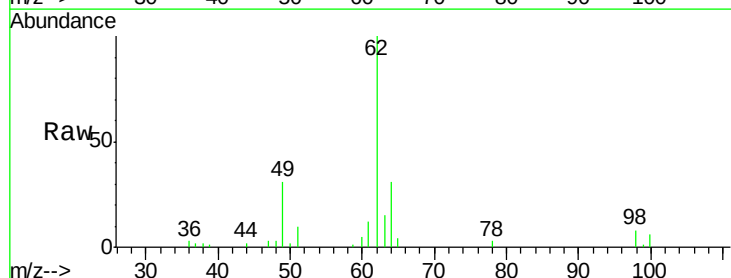
Acq: 19 Jun 2018 16:02

Tgt Ion: 62 Resp: 113619

Ion Ratio Lower Upper

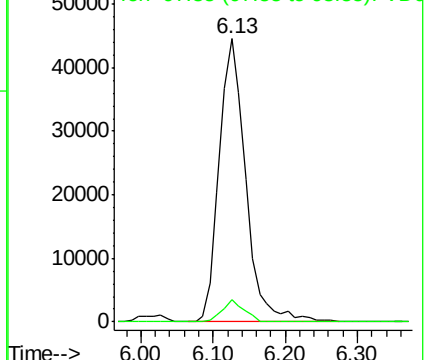
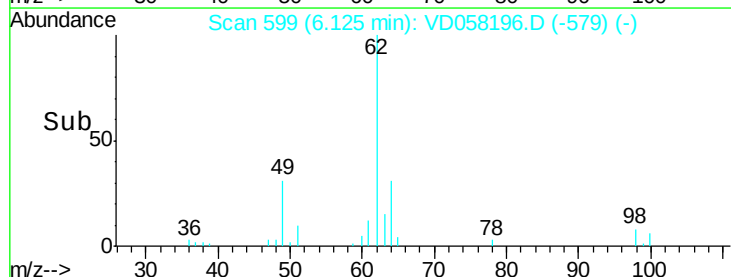
62 100

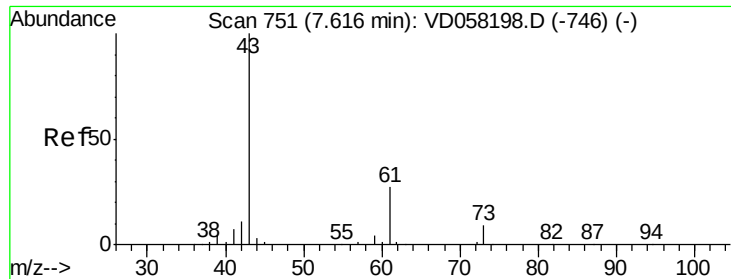
98 7.9 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.10 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

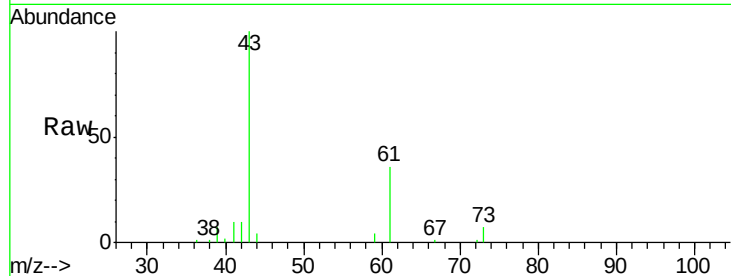
Tot Ion: 43 Resp: 86270

Ion Ratio Lower Upper

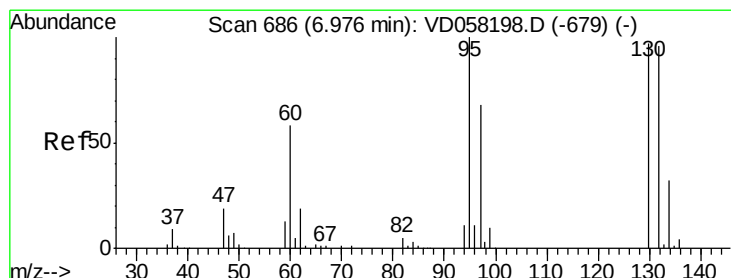
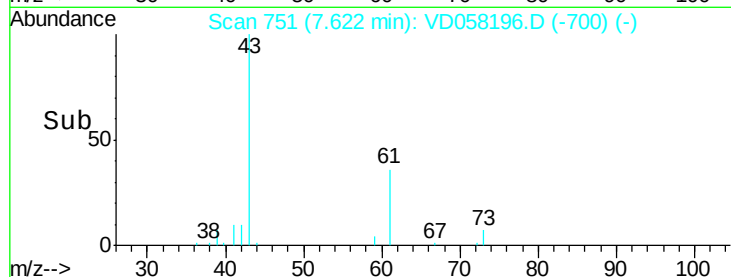
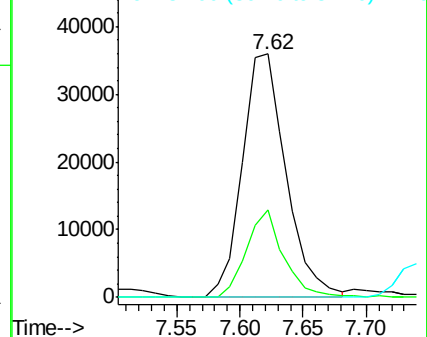
43 100

61 35.7 21.8 32.6#

87 0.0 0.3 0.5#



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: 9.62 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.01 min

Lab File: VD058196.D

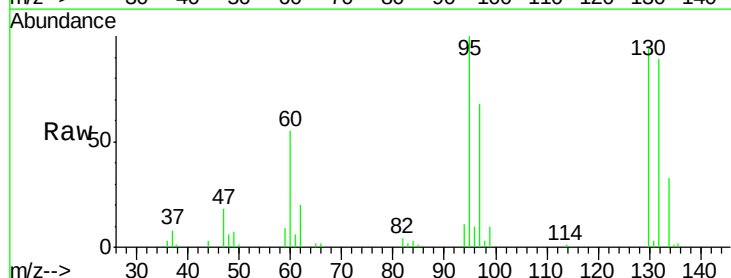
Acq: 19 Jun 2018 16:02

Tgt Ion:130 Resp: 85242

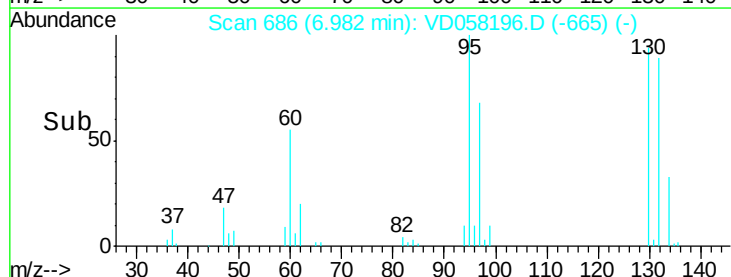
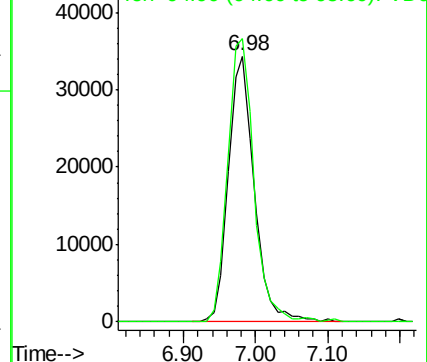
Ion Ratio Lower Upper

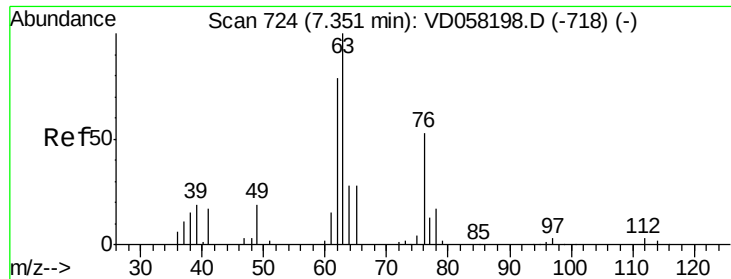
130 100

95 106.5 0.0 205.6



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

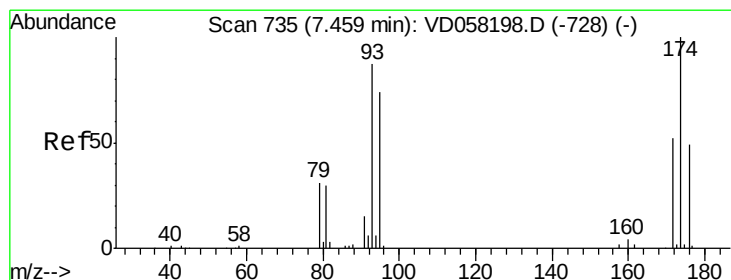
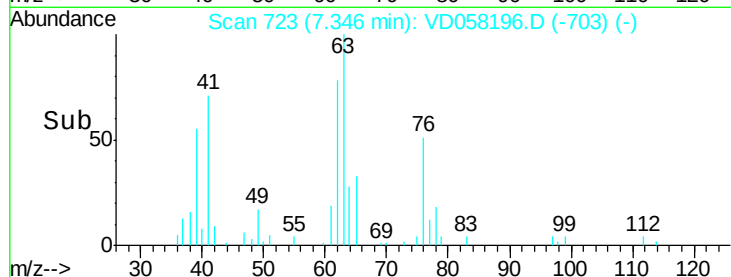
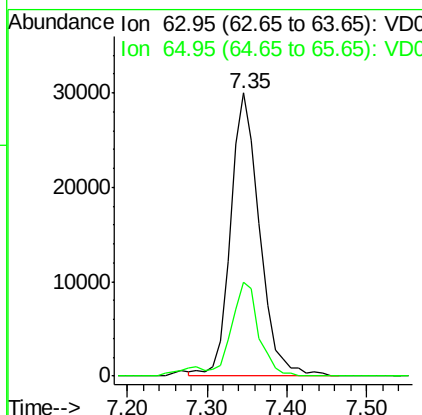
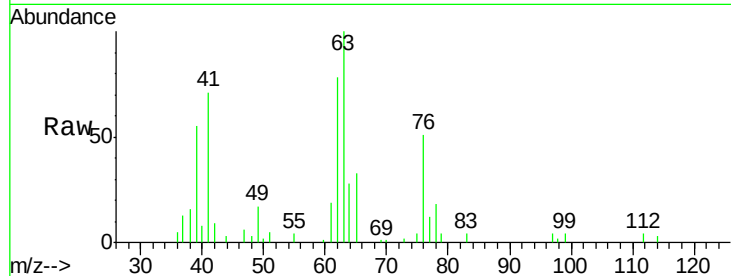




#45
 1,2-Dichloropropane
 Concen: 9.01 ug/l
 RT: 7.35 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

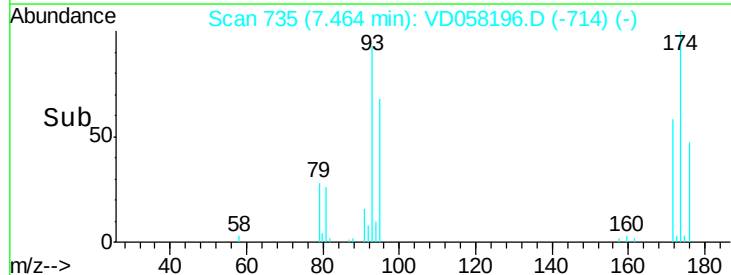
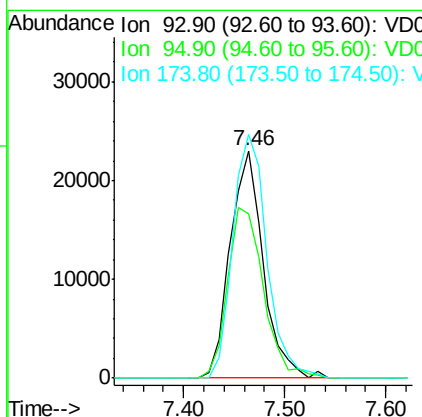
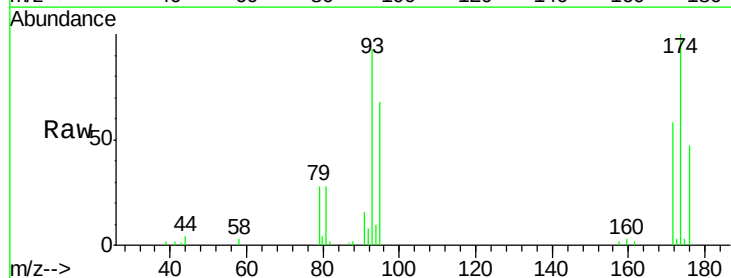
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

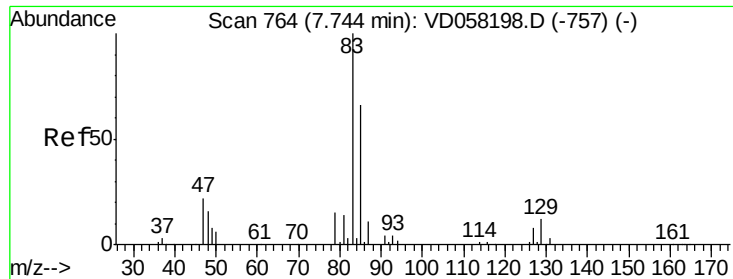
Tot Ion: 63 Resp: 75898
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.0 36.0



#46
 Dibromomethane
 Concen: 9.54 ug/l
 RT: 7.46 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Tgt Ion: 93 Resp: 52419
 Ion Ratio Lower Upper
 93 100
 95 72.4 67.8 101.6
 174 107.0 92.2 138.2





#47

Bromodichloromethane

Concen: 8.74 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

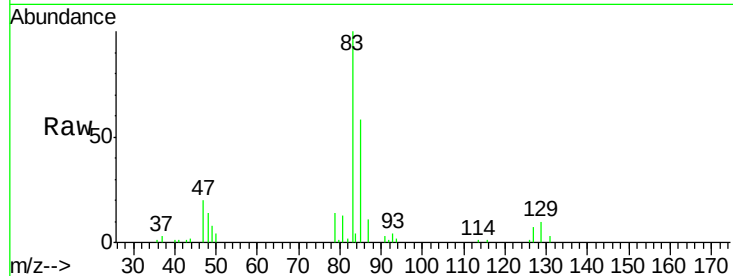
Tot Ion: 83 Resp: 110602

Ion Ratio Lower Upper

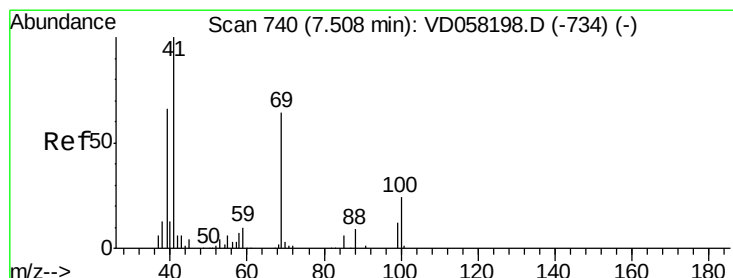
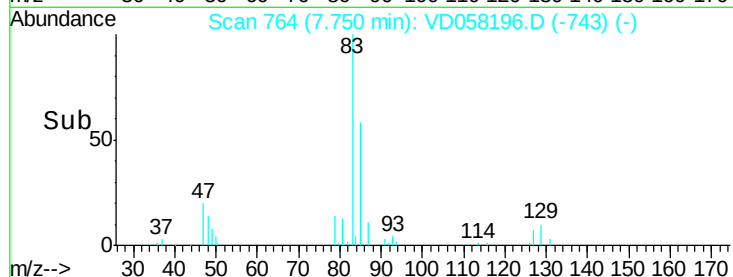
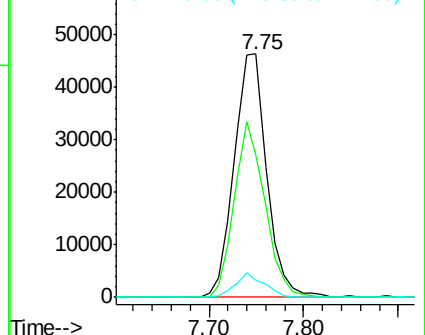
83 100

85 58.3 52.6 78.8

127 7.1 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 9.65 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

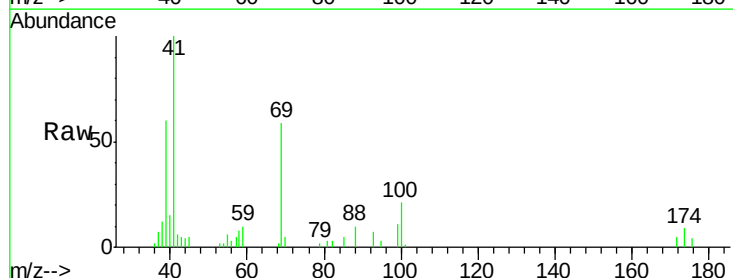
Tgt Ion: 41 Resp: 56064

Ion Ratio Lower Upper

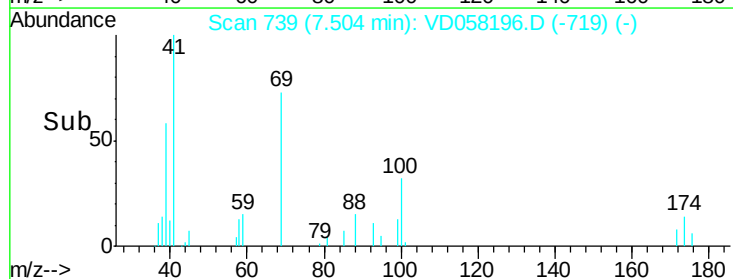
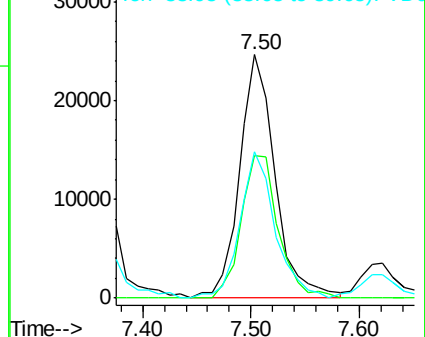
41 100

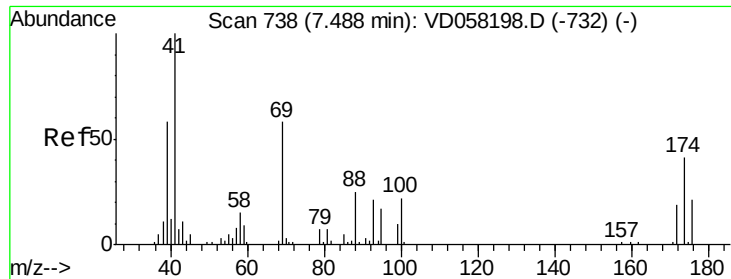
69 58.6 50.7 76.1

39 60.2 52.6 78.8



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 186.46 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

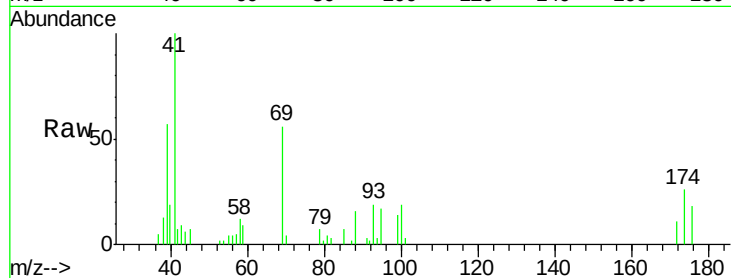
Tot Ion: 88 Resp: 9273

Ion Ratio Lower Upper

88 100

43 58.9 34.2 51.2#

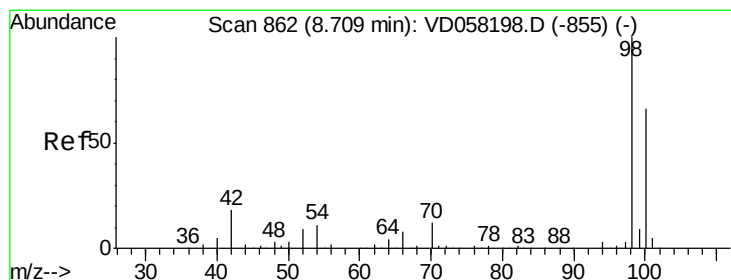
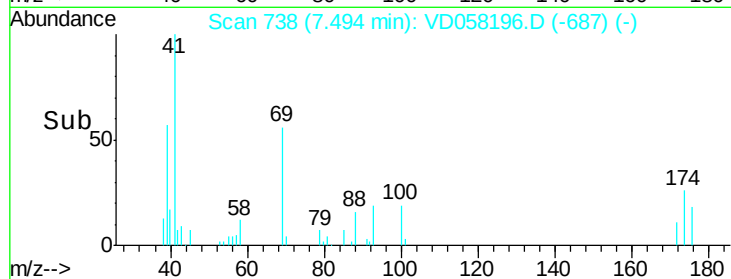
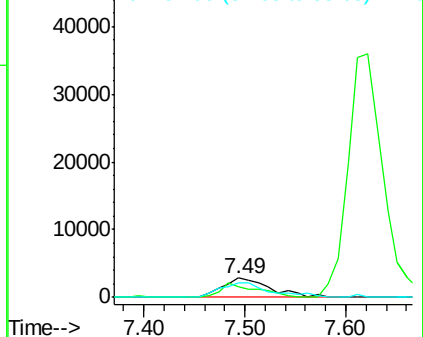
58 75.7 47.9 71.9#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 186.46 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD058196.D

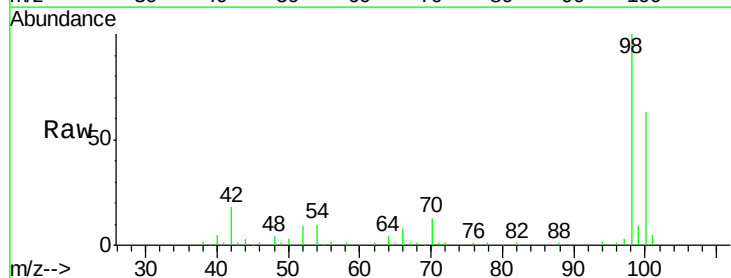
Acq: 19 Jun 2018 16:02

Tgt Ion: 98 Resp: 245181

Ion Ratio Lower Upper

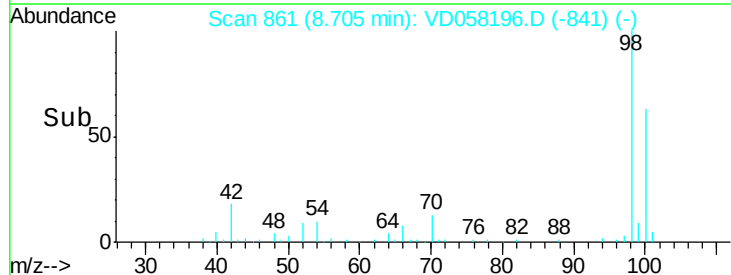
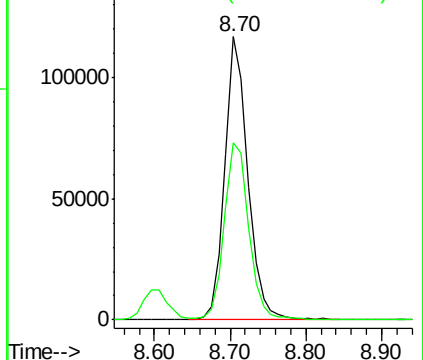
98 100

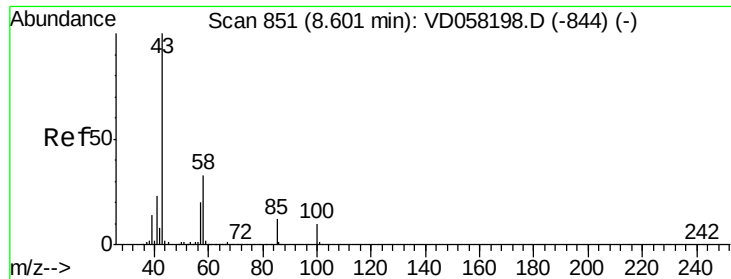
100 62.8 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 50.24 ug/l

RT: 8.60 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

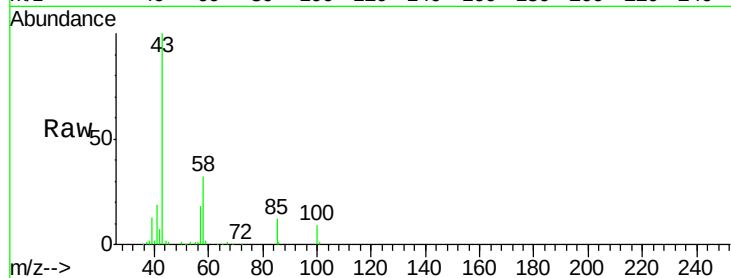
VSTDIC010

Tot Ion: 43 Resp: 305956

Ion Ratio Lower Upper

43 100

58 32.1 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

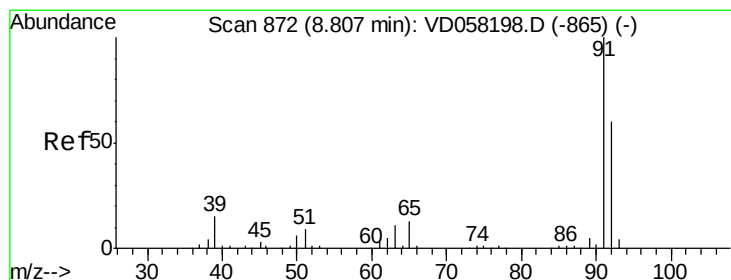
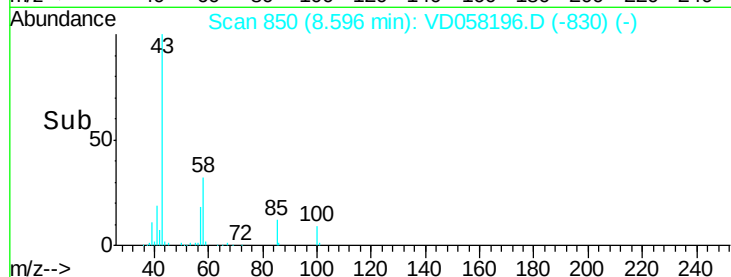
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 9.60 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058196.D

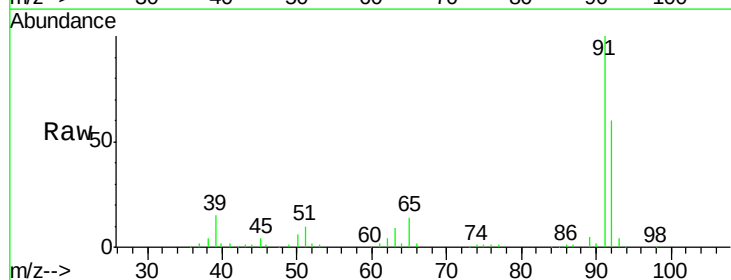
Acq: 19 Jun 2018 16:02

Tgt Ion: 92 Resp: 167186

Ion Ratio Lower Upper

92 100

91 167.1 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.80

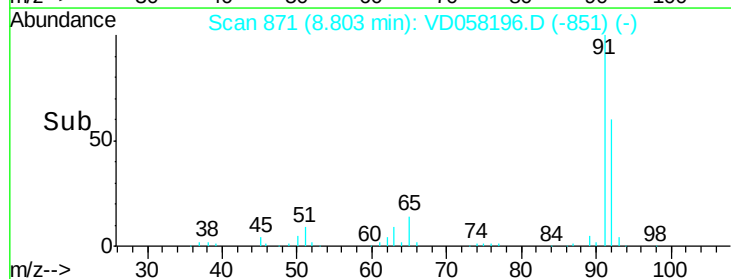
150000

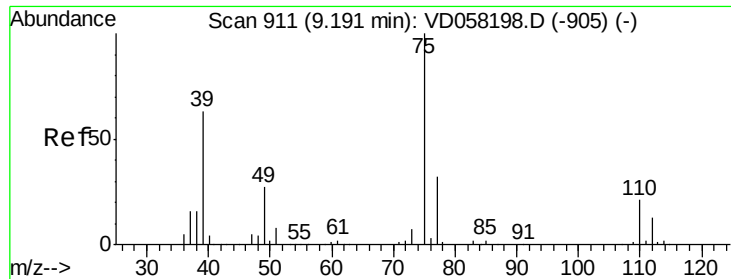
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 9.23 ug/l

RT: 9.19 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

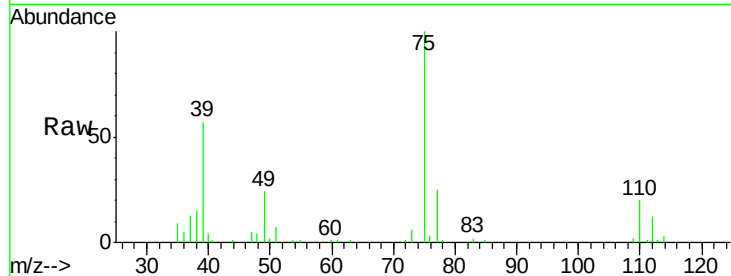
VSTDIC010

Tot Ion: 75 Resp: 101712

Ion Ratio Lower Upper

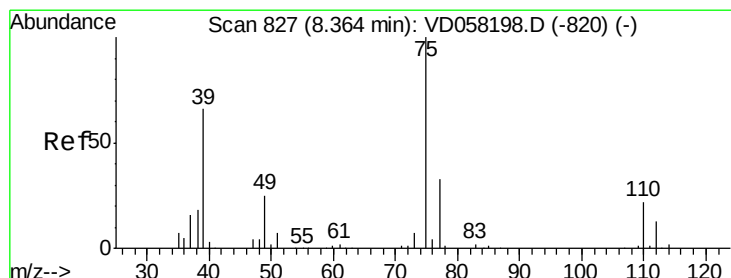
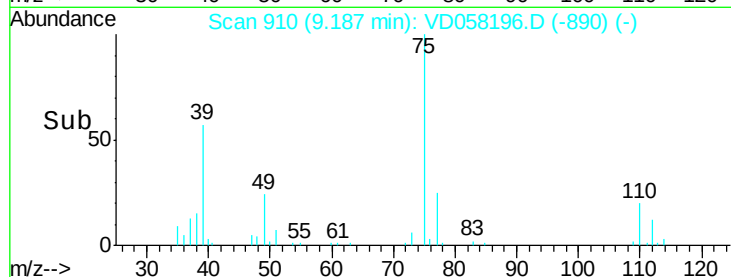
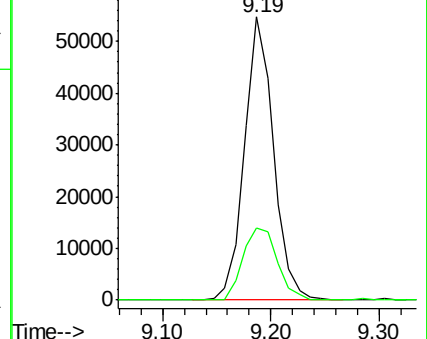
75 100

77 25.4 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.24 ug/l

RT: 8.36 min Scan# 826

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

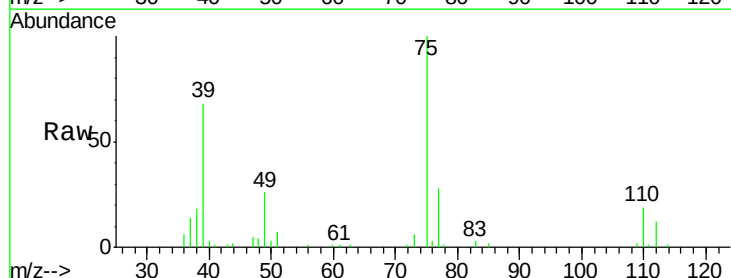
Tgt Ion: 75 Resp: 119541

Ion Ratio Lower Upper

75 100

77 27.6 26.5 39.7

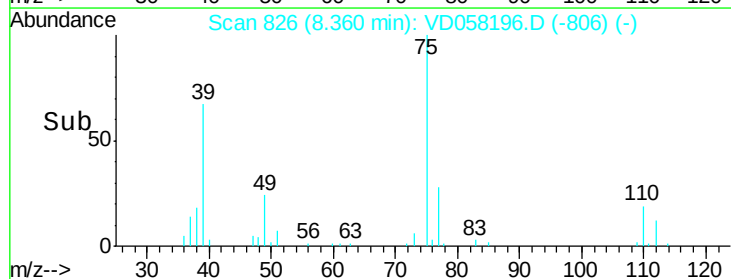
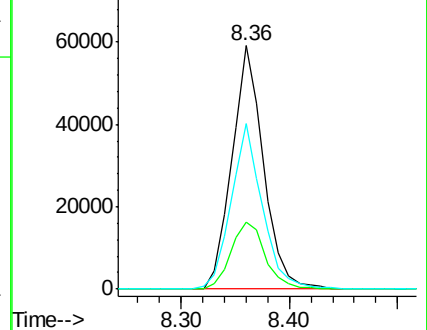
39 67.8 52.9 79.3

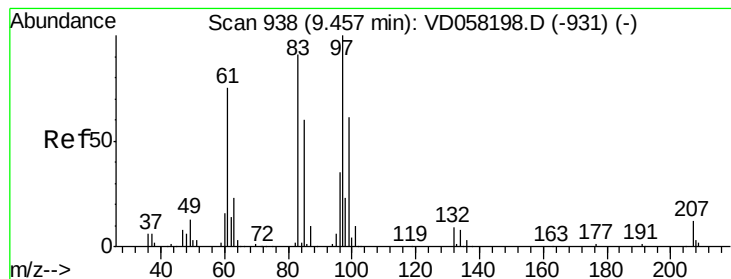


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 10.45 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 60030

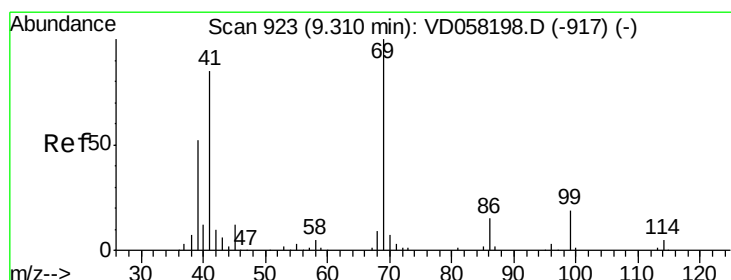
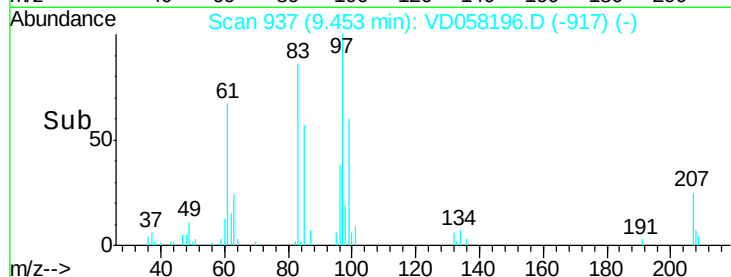
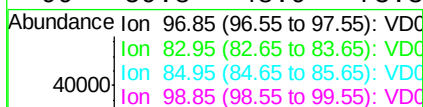
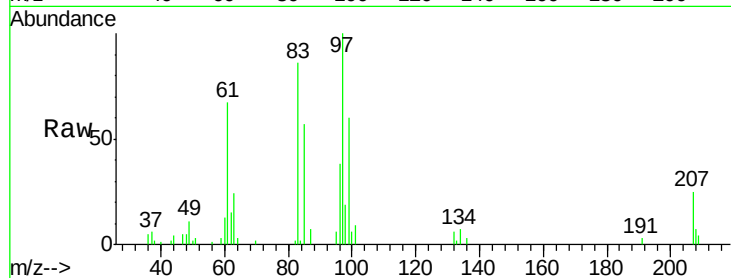
Ion Ratio Lower Upper

97 100

83 86.0 72.9 109.3

85 56.8 48.2 72.4

99 59.8 48.9 73.3



#56

Ethyl methacrylate

Concen: 10.09 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

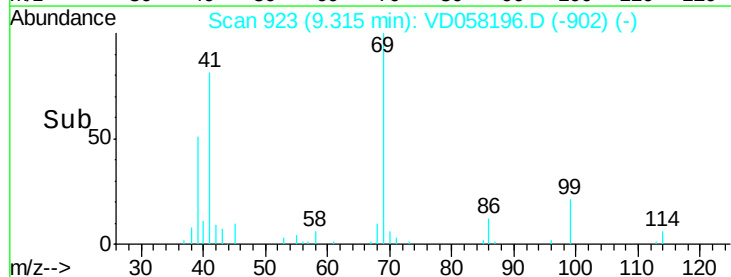
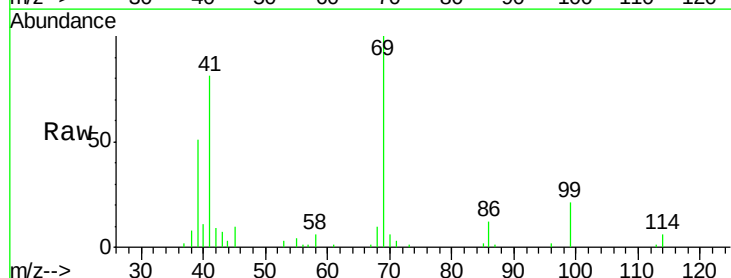
Tgt Ion: 69 Resp: 71199

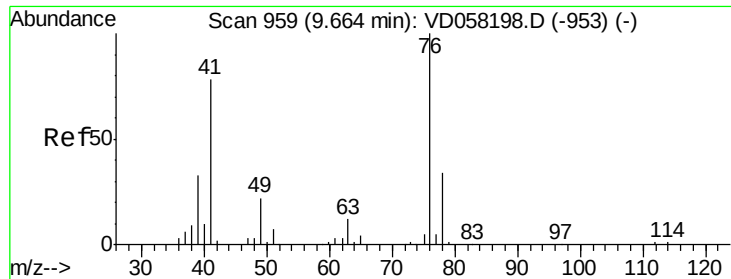
Ion Ratio Lower Upper

69 100

41 81.2 67.6 101.4

39 50.9 42.2 63.2

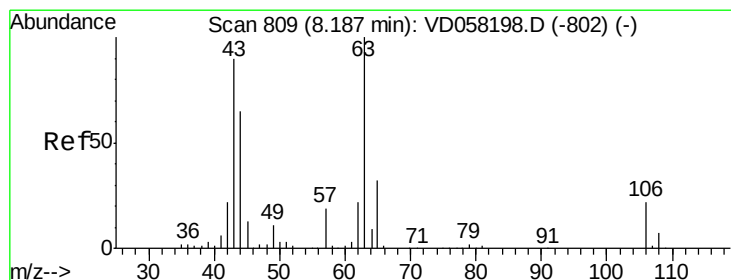
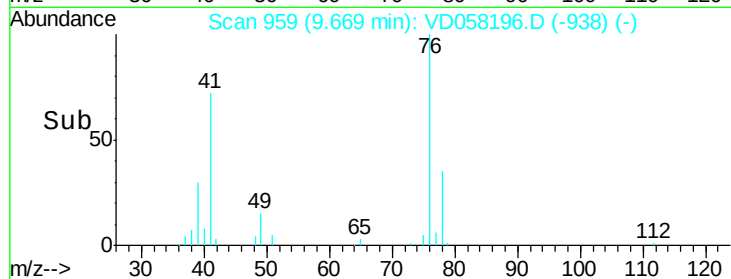
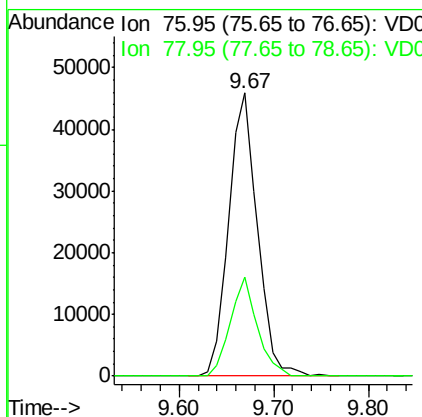
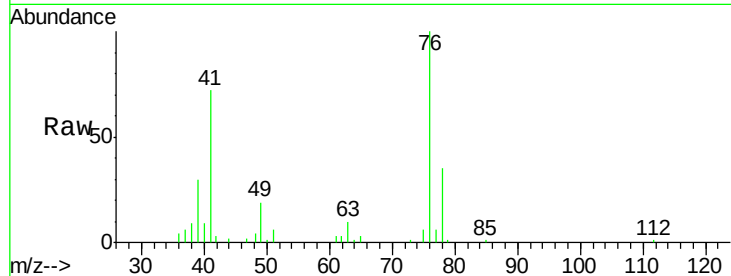




#57
 1,3-Dichloropropane
 Concen: 9.62 ug/l
 RT: 9.67 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

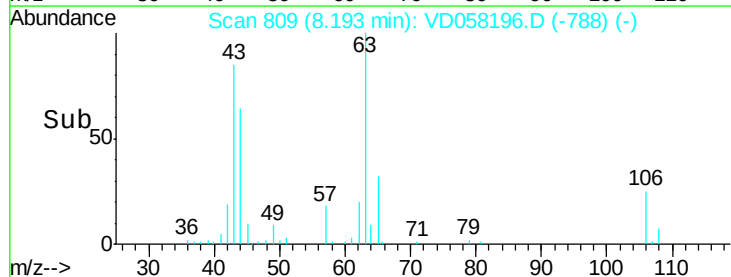
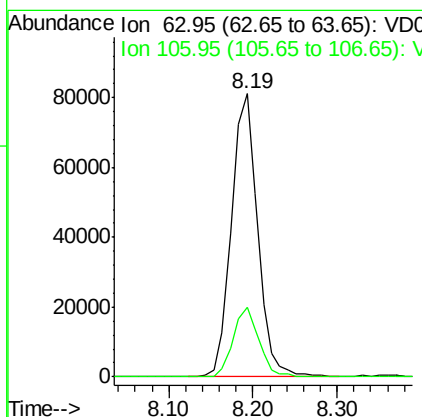
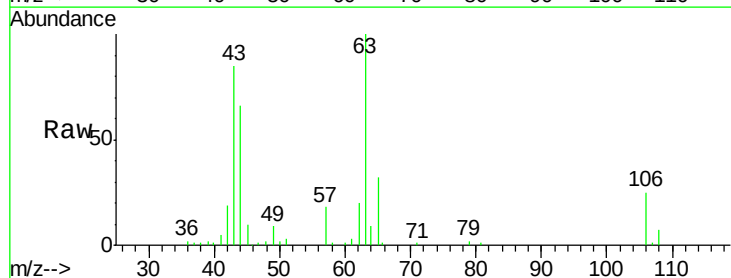
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

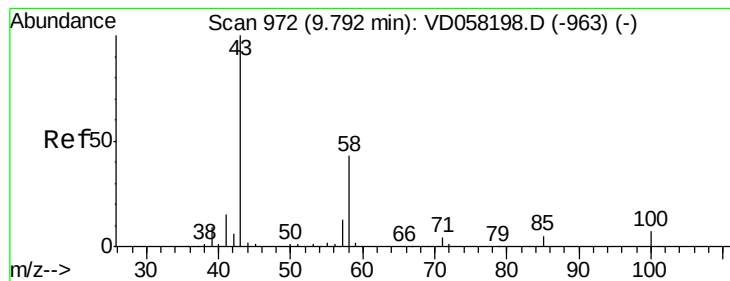
Tot Ion: 76 Resp: 95841
 Ion Ratio Lower Upper
 76 100
 78 34.8 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 49.16 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Tgt Ion: 63 Resp: 175873
 Ion Ratio Lower Upper
 63 100
 106 24.6 18.0 27.0





#59

2-Hexanone

Concen: 49.89 ug/l

RT: 9.79 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

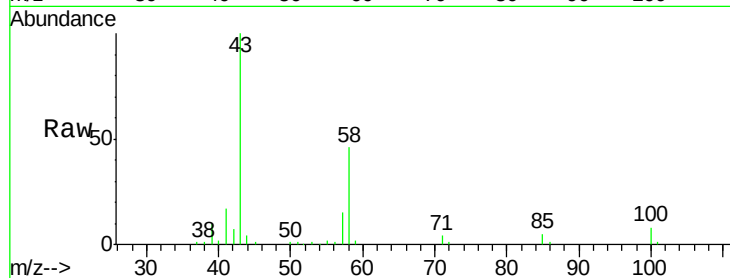
VSTDIC010

Tot Ion: 43 Resp: 221512

Ion Ratio Lower Upper

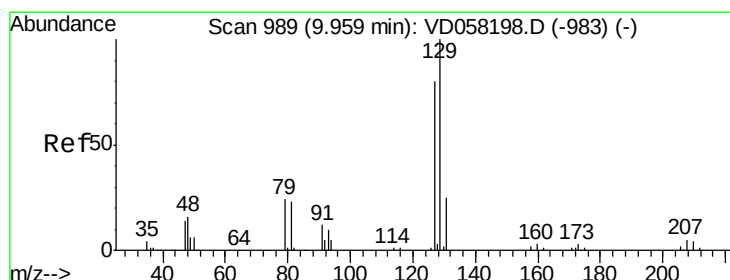
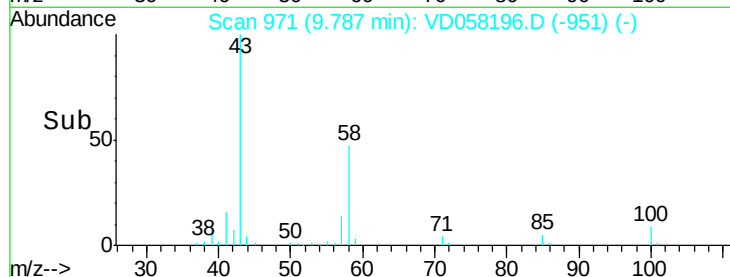
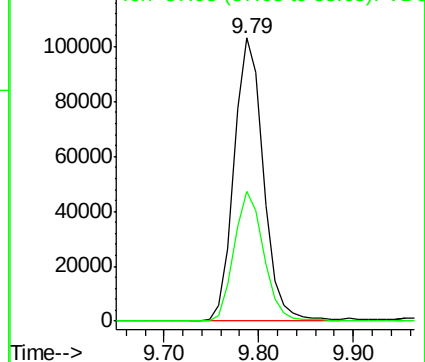
43 100

58 45.7 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 9.31 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.01 min

Lab File: VD058196.D

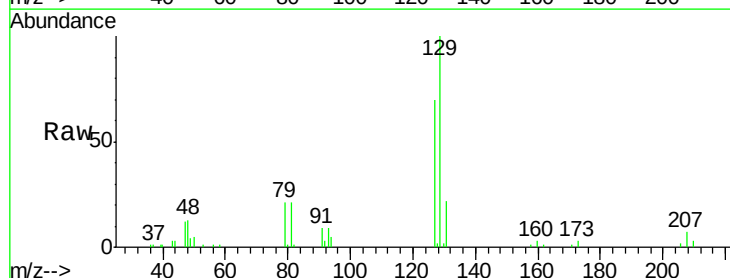
Acq: 19 Jun 2018 16:02

Tgt Ion: 129 Resp: 74910

Ion Ratio Lower Upper

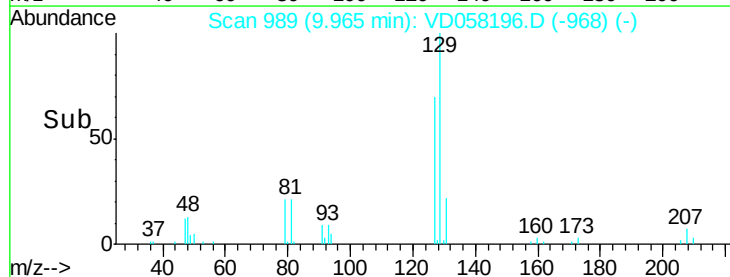
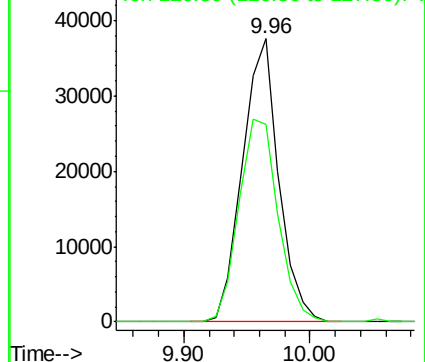
129 100

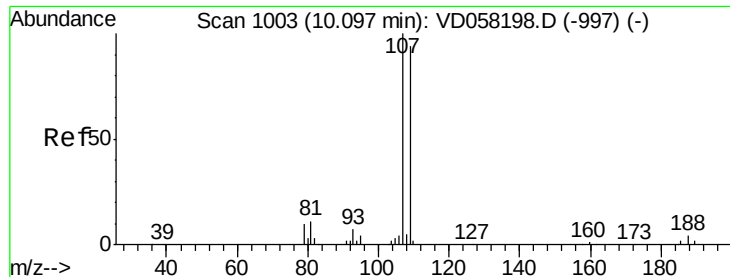
127 70.0 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

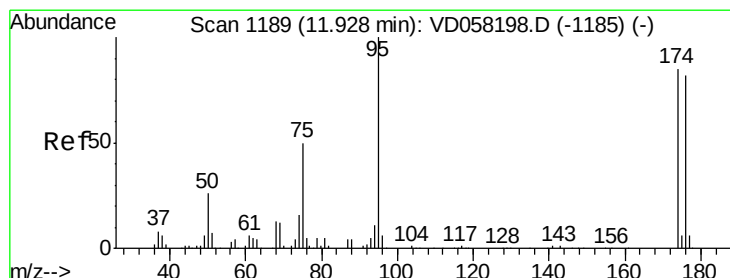
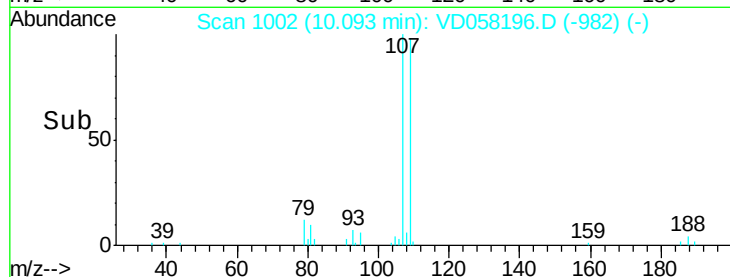
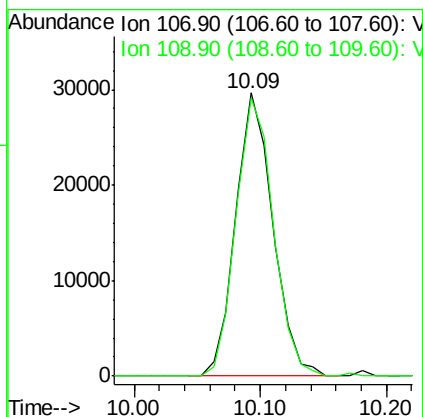
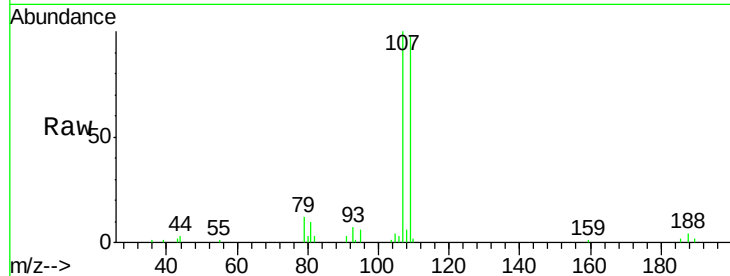




#61
 1,2-Dibromoethane
 Concen: 9.20 ug/l
 RT: 10.09 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

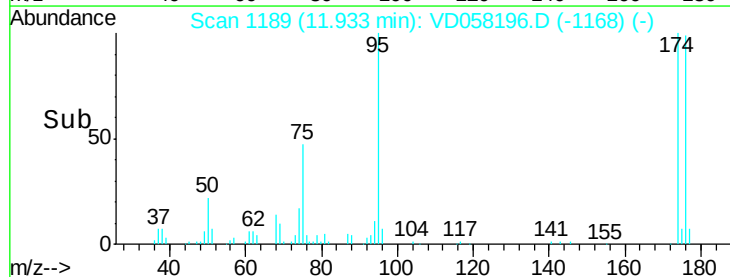
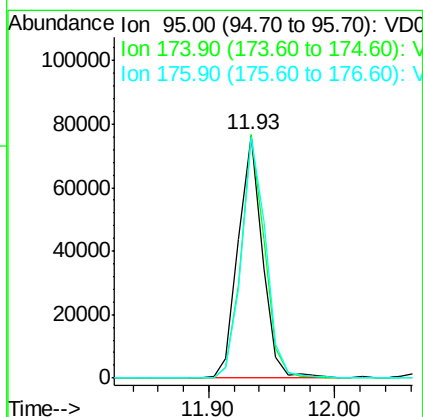
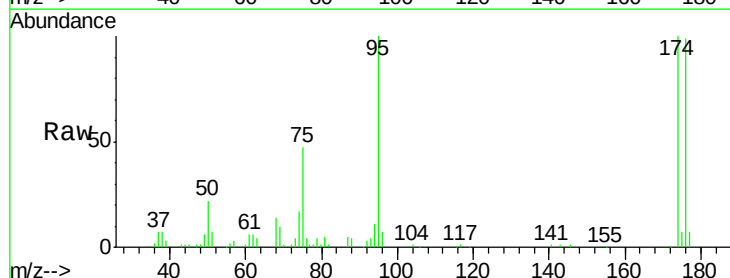
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

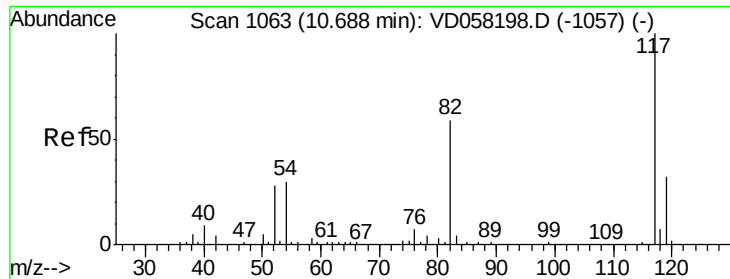
Tot Ion: 107 Resp: 60636
 Ion Ratio Lower Upper
 107 100
 109 98.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 9.20 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Tgt Ion: 95 Resp: 101233
 Ion Ratio Lower Upper
 95 100
 174 100.5 0.0 170.2
 176 99.7 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

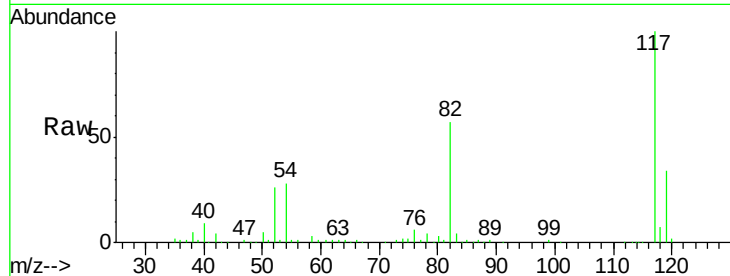
Tot Ion:117 Resp: 966509

Ion Ratio Lower Upper

117 100

82 56.9 47.0 70.6

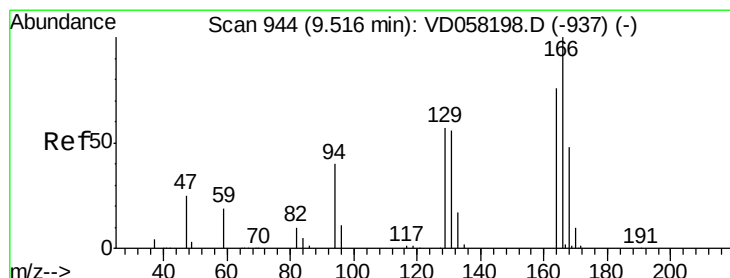
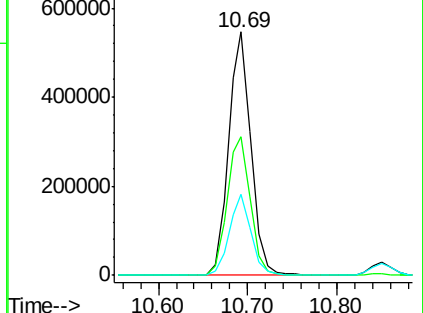
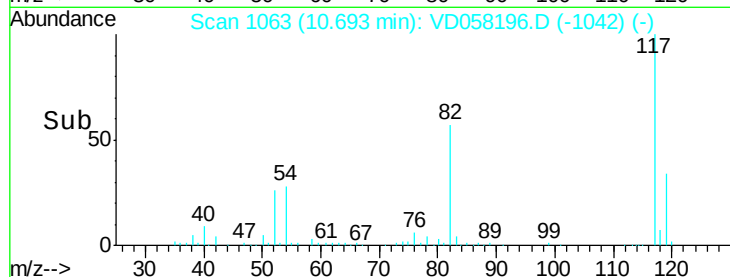
119 33.5 25.3 37.9



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: 9.96 ug/l

RT: 9.51 min Scan# 943

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Tgt Ion:164 Resp: 84992

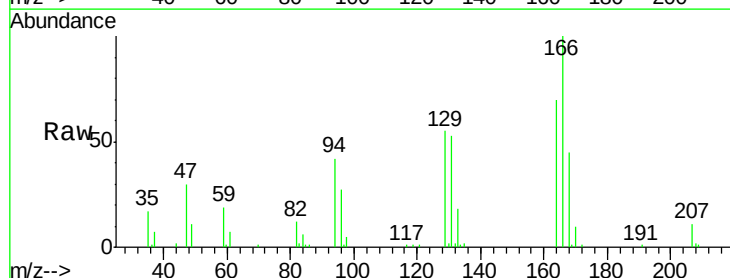
Ion Ratio Lower Upper

164 100

166 142.7 105.4 158.0

129 77.9 59.6 89.4

131 75.0 59.4 89.2

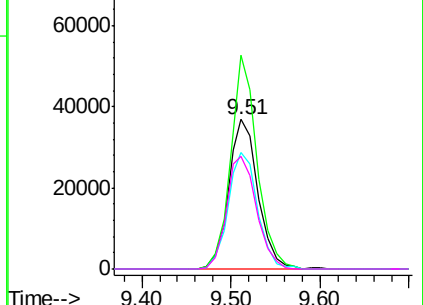
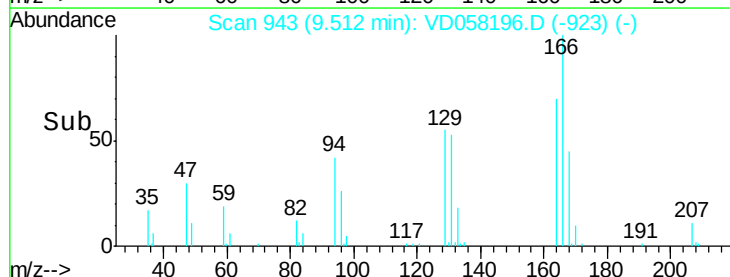


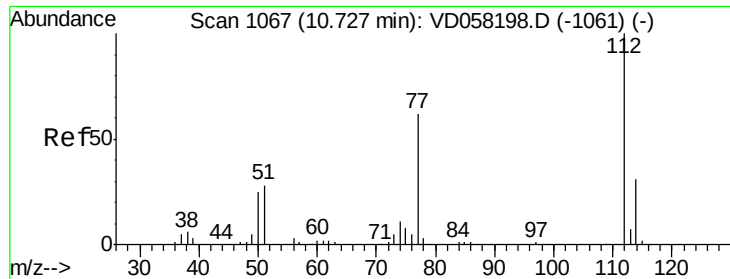
Abundance Ion 163.85 (163.55 to 164.55): V

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

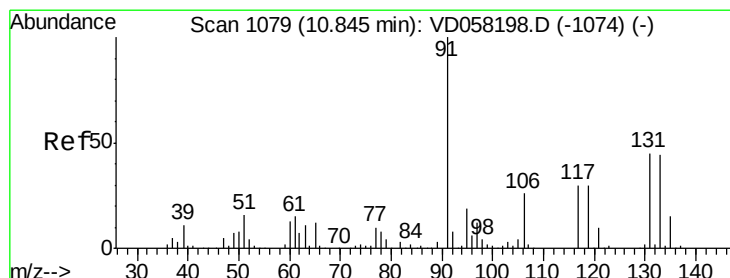
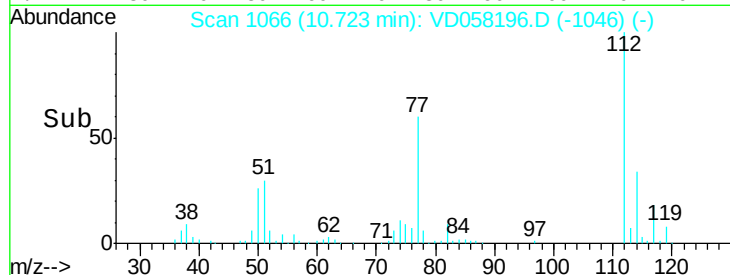
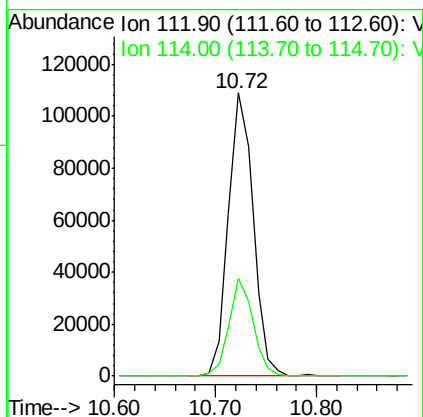
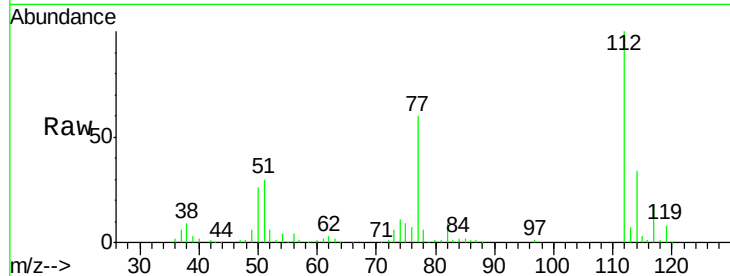




#65
Chlorobenzene
Concen: 9.75 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

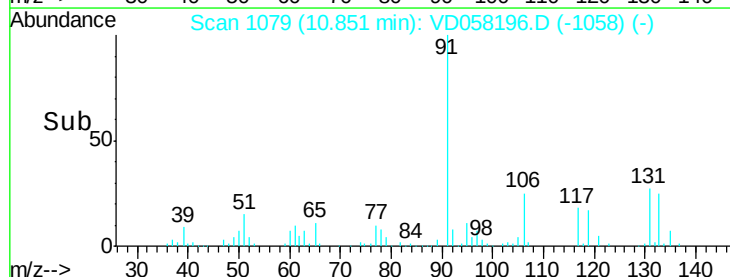
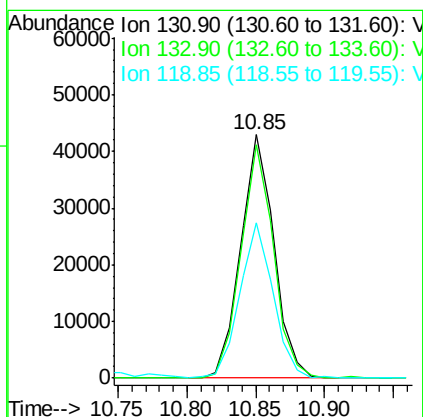
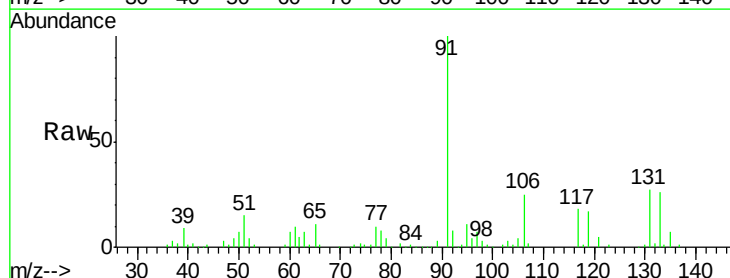
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

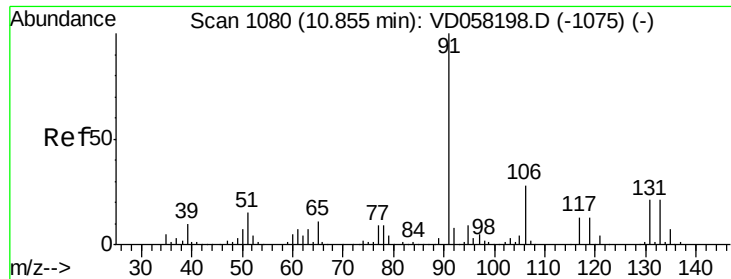
Tot Ion:112 Resp: 187180
Ion Ratio Lower Upper
112 100
114 34.5 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 9.78 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion:131 Resp: 72289
Ion Ratio Lower Upper
131 100
133 96.1 48.6 145.9
119 63.8 33.0 99.0

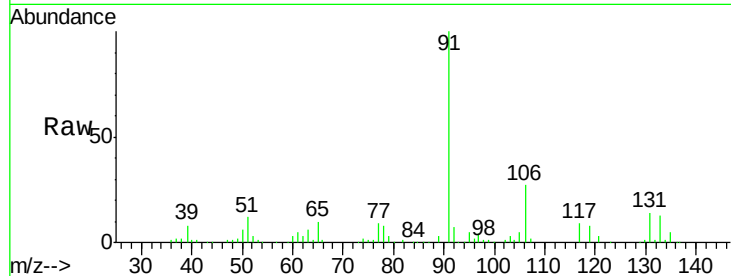




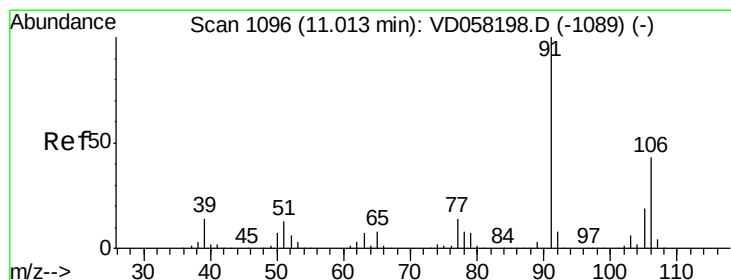
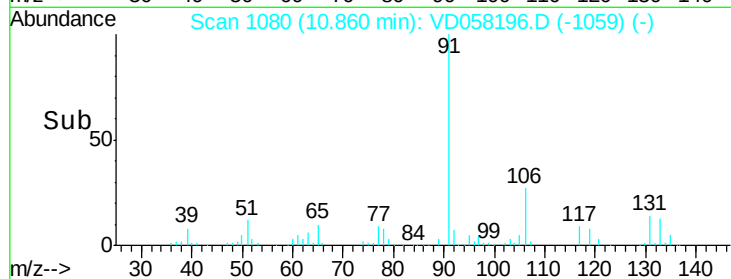
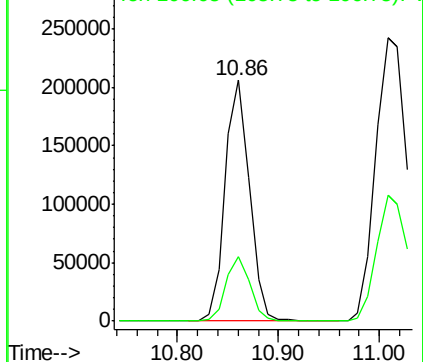
#67
Ethyl Benzene
Concen: 10.01 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 345757
Ion Ratio Lower Upper
91 100
106 26.7 22.0 33.0

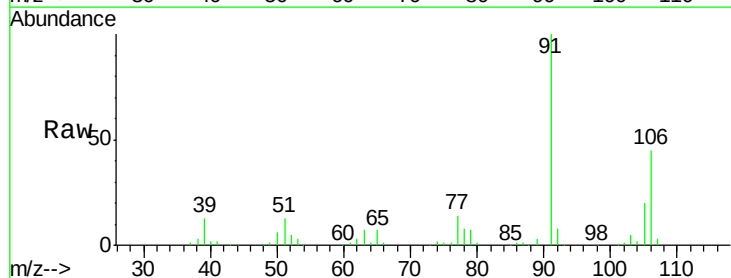


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

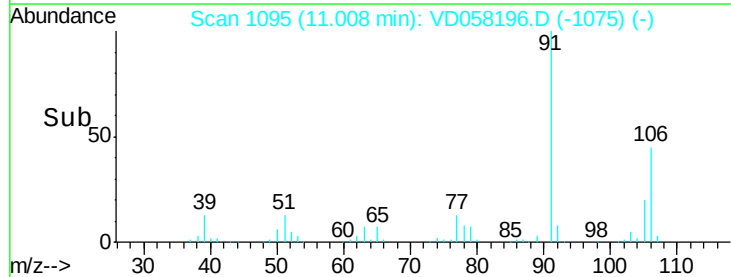
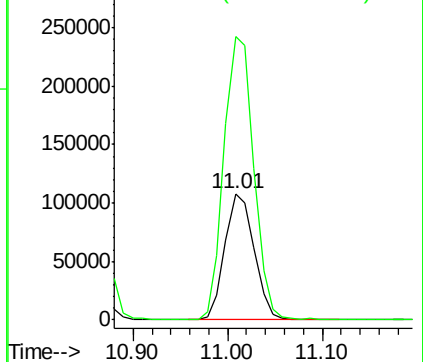


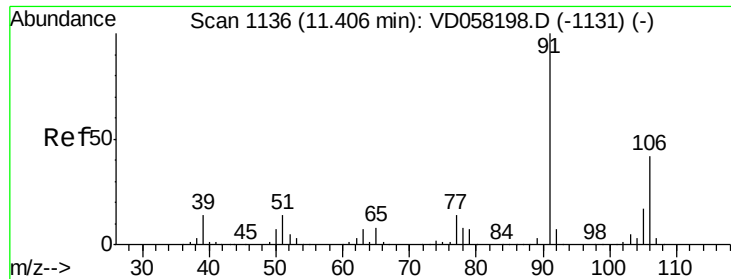
#68
m/p-Xylenes
Concen: 20.51 ug/l
RT: 11.01 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion: 106 Resp: 232177
Ion Ratio Lower Upper
106 100
91 224.3 185.0 277.6



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

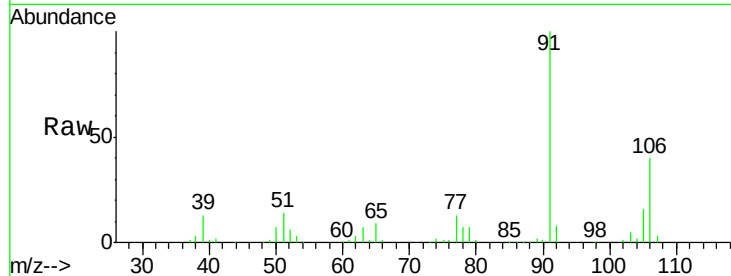




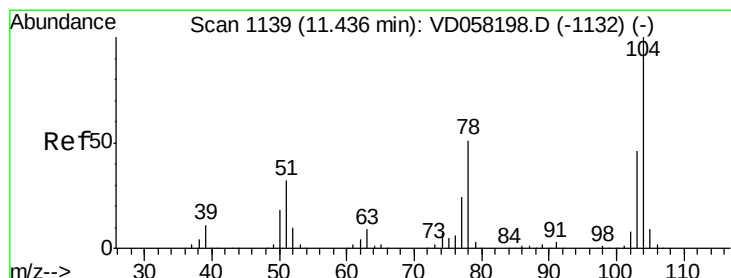
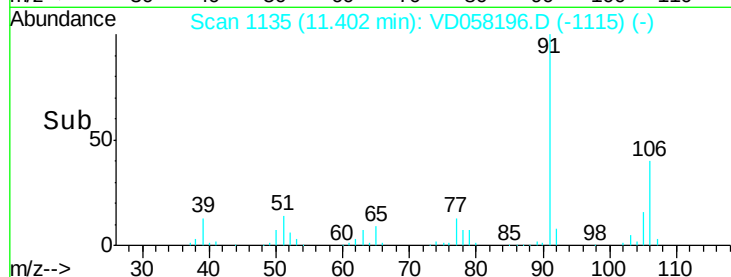
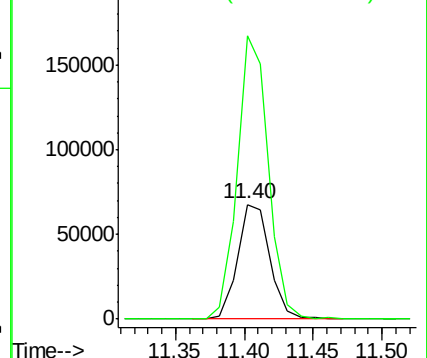
#69
o-Xylene
Concen: 9.94 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion:106 Resp: 110515
Ion Ratio Lower Upper
106 100
91 247.4 120.2 360.6

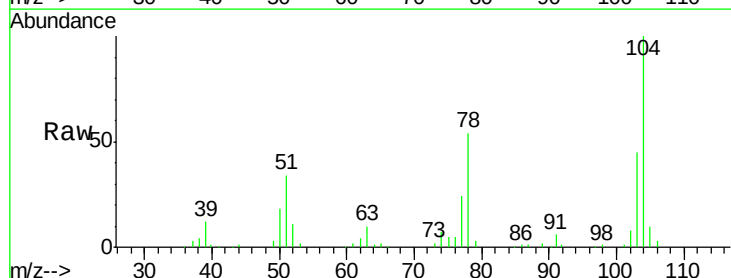


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

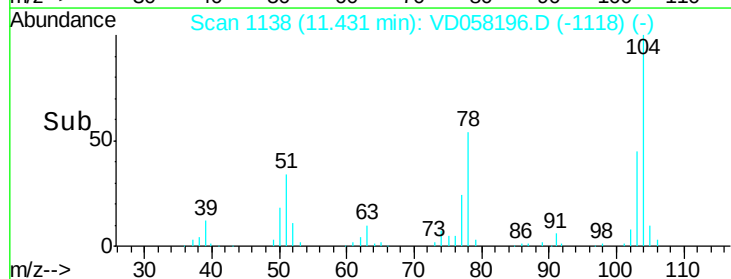
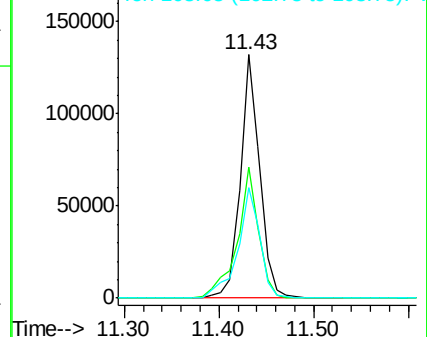


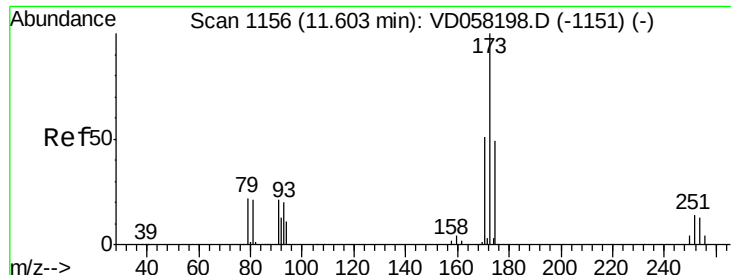
#70
Styrene
Concen: 10.14 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion:104 Resp: 187721
Ion Ratio Lower Upper
104 100
78 53.6 40.8 61.2
103 45.3 37.0 55.6



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

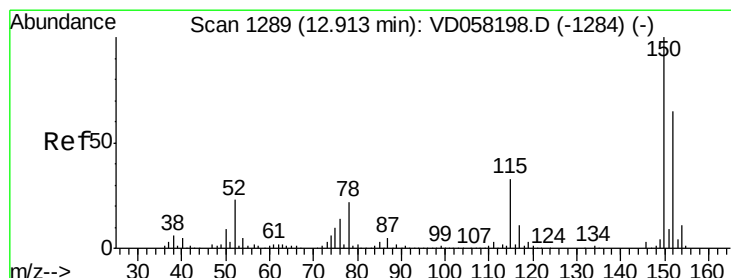
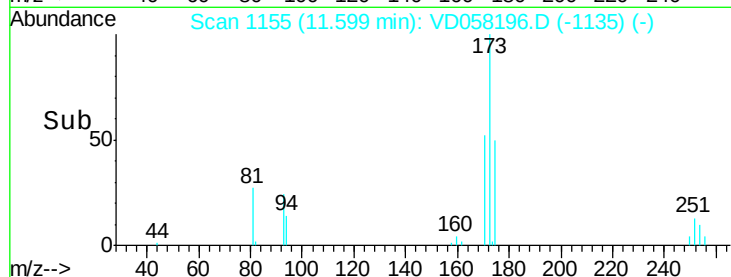
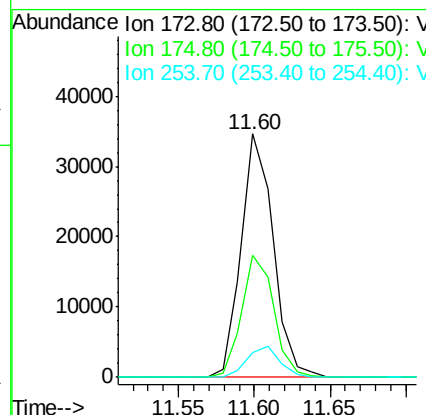
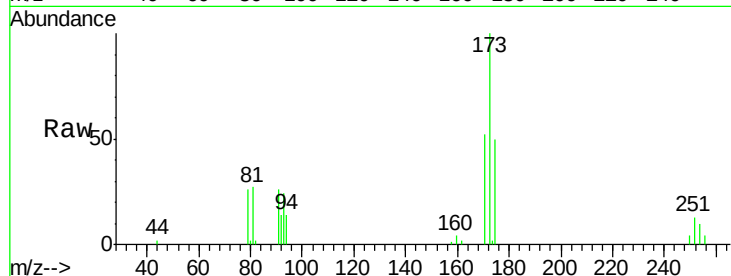




#71
Bromoform
Concen: 9.00 ug/l
RT: 11.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

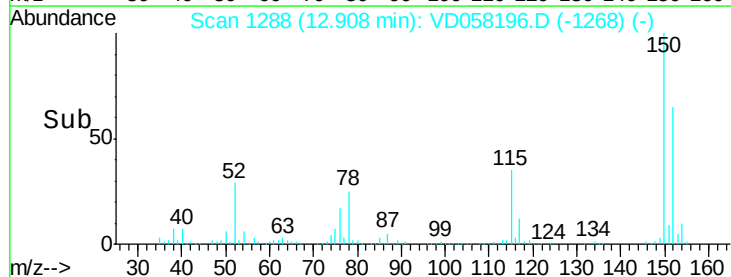
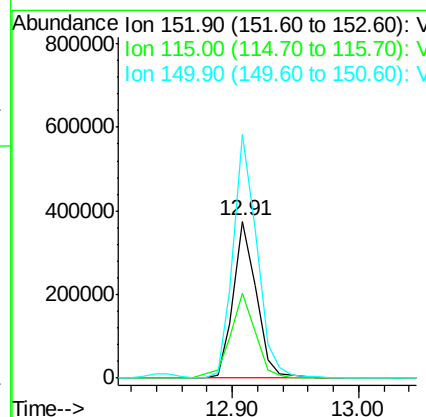
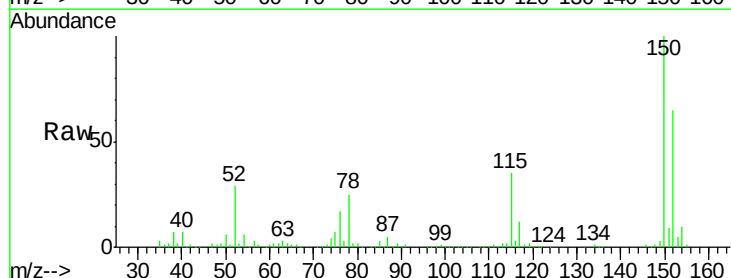
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

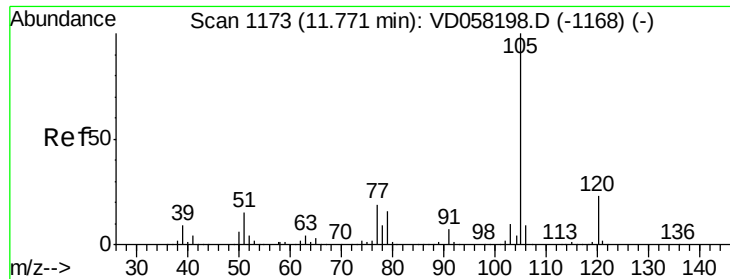
Tot Ion:173 Resp: 51019
Ion Ratio Lower Upper
173 100
175 50.2 24.6 74.0
254 9.9 10.3 15.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion:152 Resp: 473705
Ion Ratio Lower Upper
152 100
115 53.7 25.1 75.3
150 154.9 0.0 308.8





#73

Isopropylbenzene

Concen: 10.50 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

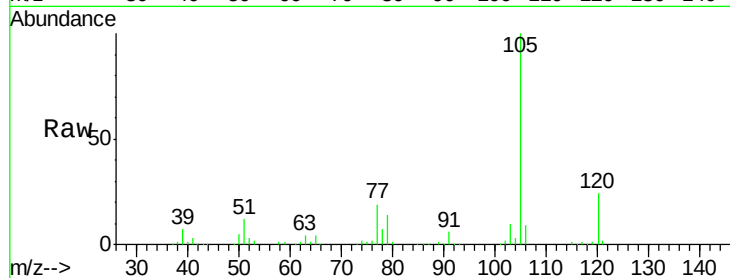
VSTDIC010

Tot Ion: 105 Resp: 322990

Ion Ratio Lower Upper

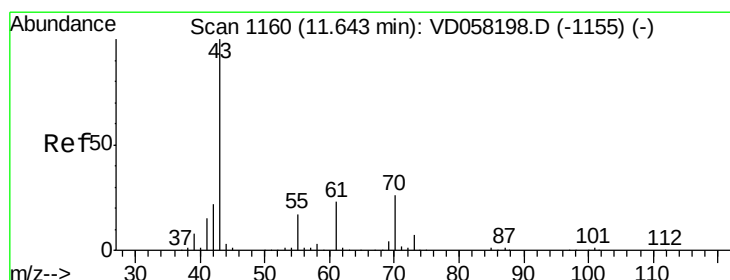
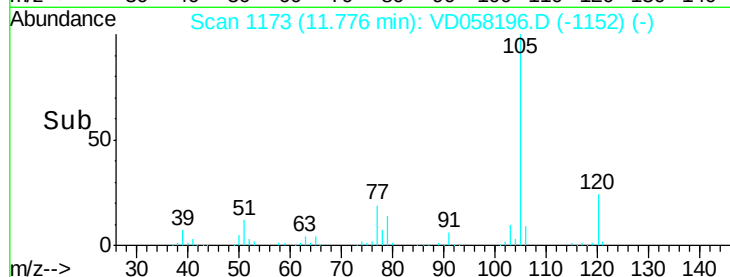
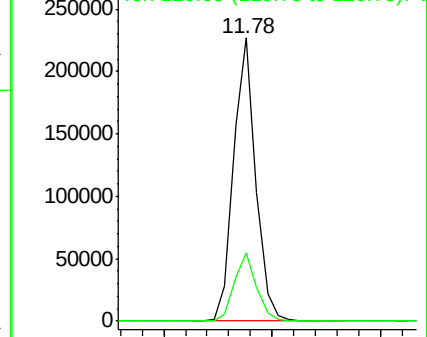
105 100

120 24.4 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.26 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Tgt Ion: 43 Resp: 111620

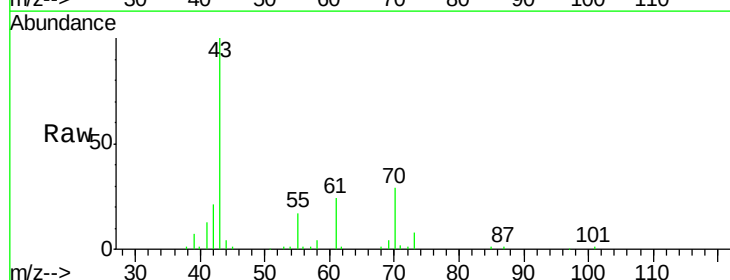
Ion Ratio Lower Upper

43 100

70 28.8 20.9 31.3

55 17.4 13.5 20.3

61 24.2 18.2 27.2

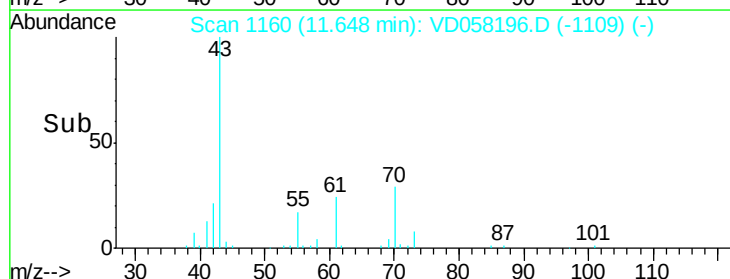
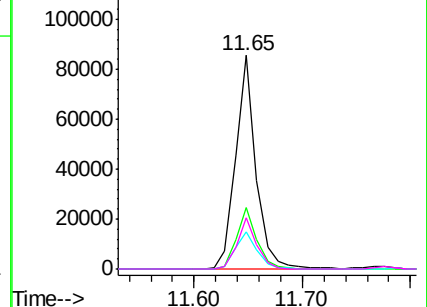


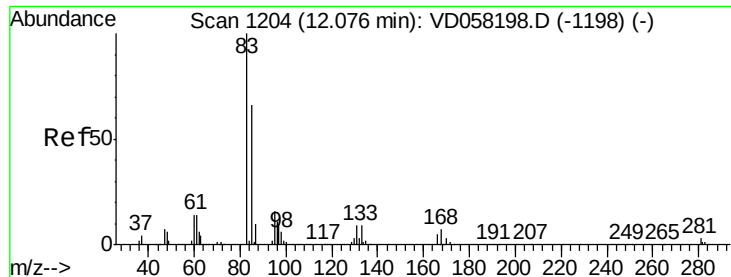
Abundance Ion 42.95 (42.65 to 43.65): V

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: 10.79 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

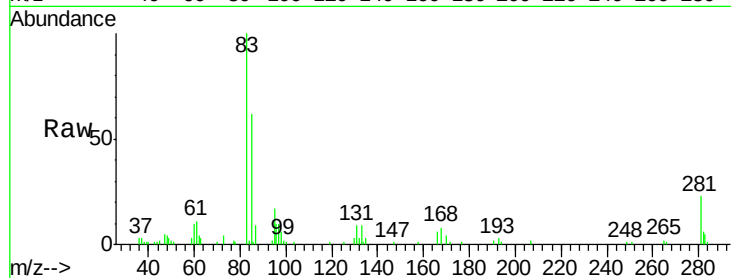
Tot Ion: 83 Resp: 74175

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

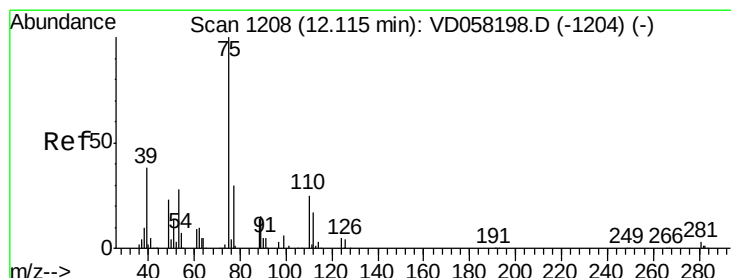
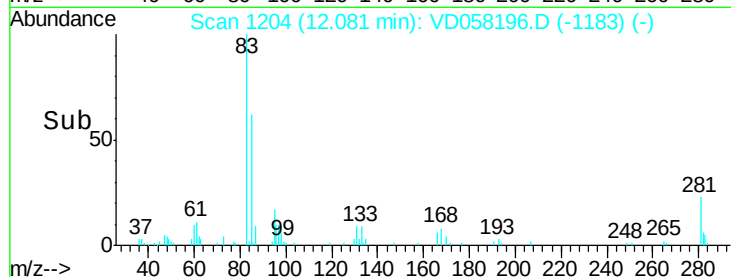
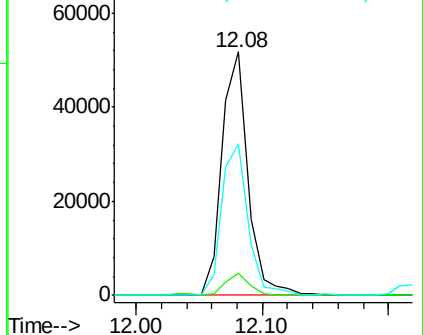
85 62.2 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 10.59 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD058196.D

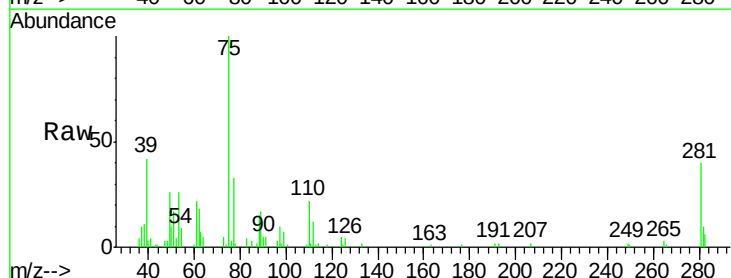
Acq: 19 Jun 2018 16:02

Tgt Ion: 75 Resp: 75727

Ion Ratio Lower Upper

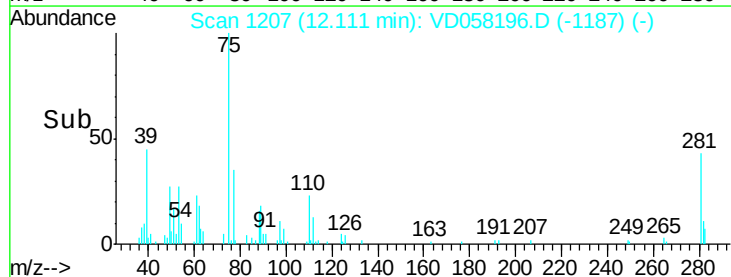
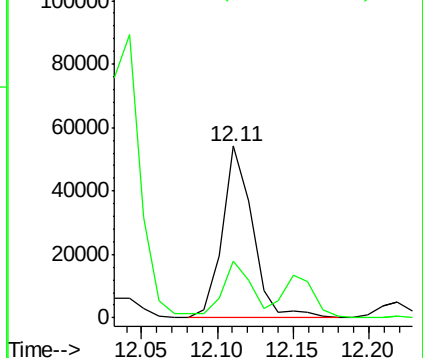
75 100

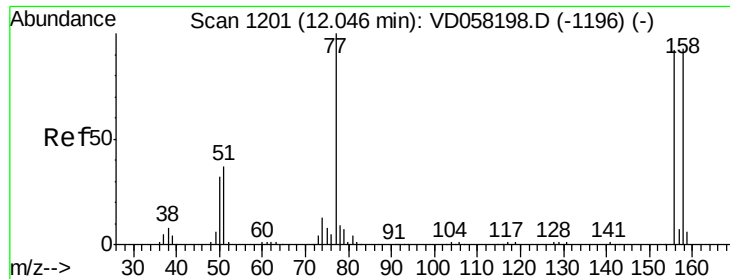
77 33.3 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

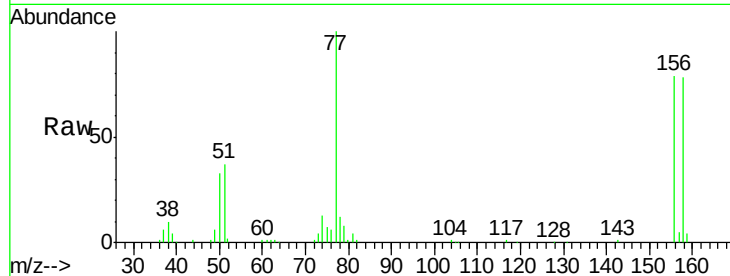




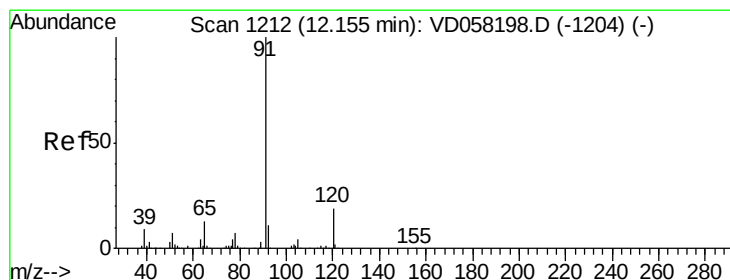
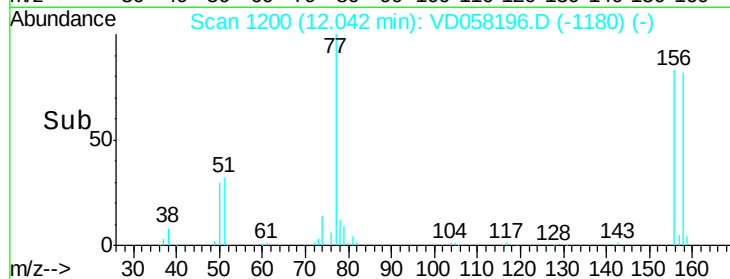
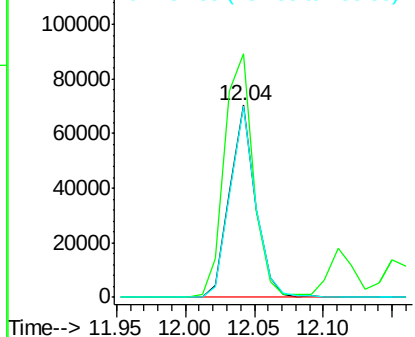
#77
Bromobenzene
Concen: 9.98 ug/l
RT: 12.04 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion:156 Resp: 91177
Ion Ratio Lower Upper
156 100
77 126.7 54.5 163.6
158 99.4 50.8 152.5

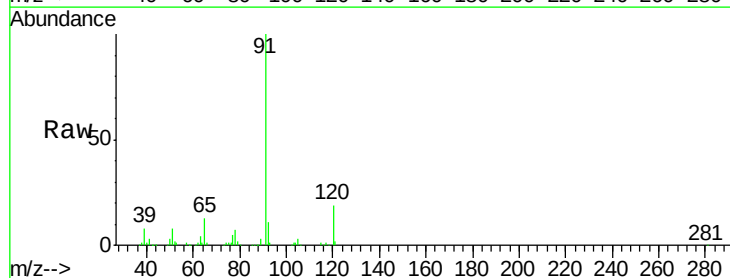


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

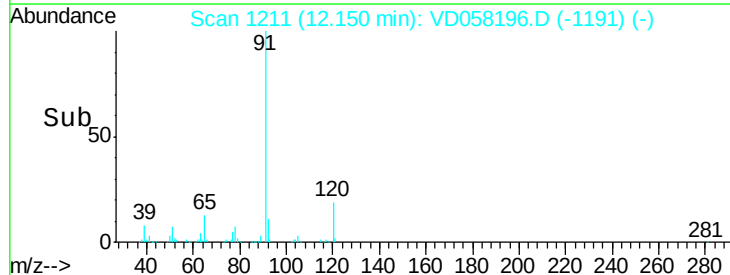
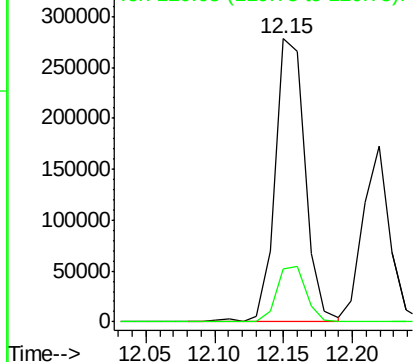


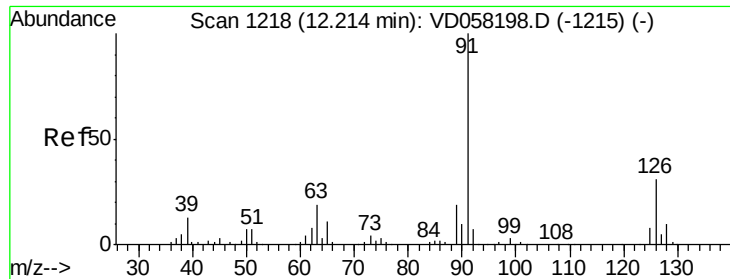
#78
n-propylbenzene
Concen: 10.36 ug/l
RT: 12.15 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion: 91 Resp: 416666
Ion Ratio Lower Upper
91 100
120 18.7 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V

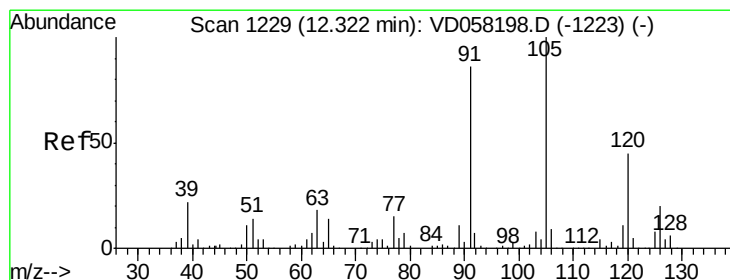
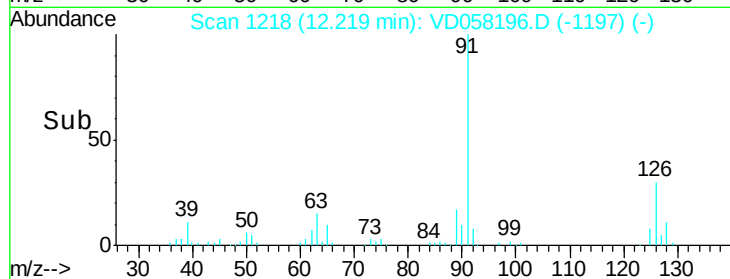
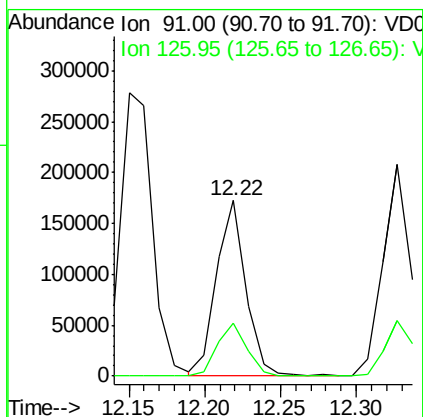
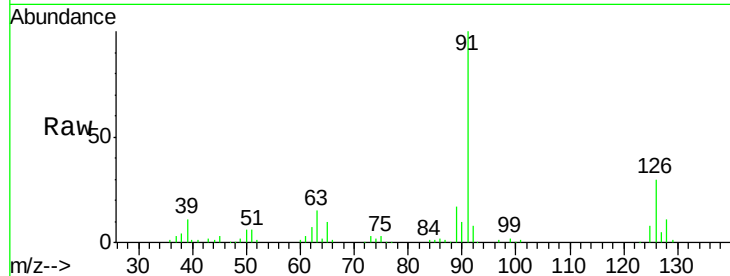




#79
 2-Chlorotoluene
 Concen: 10.12 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

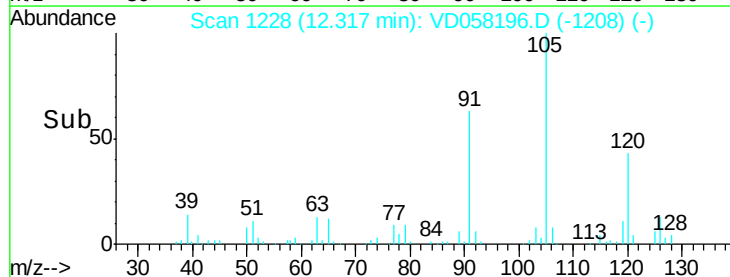
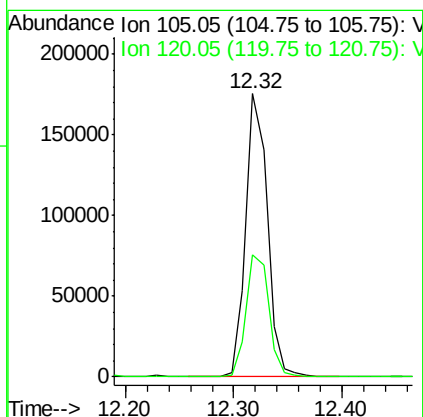
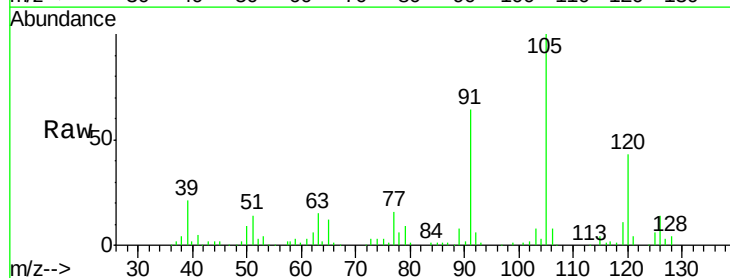
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

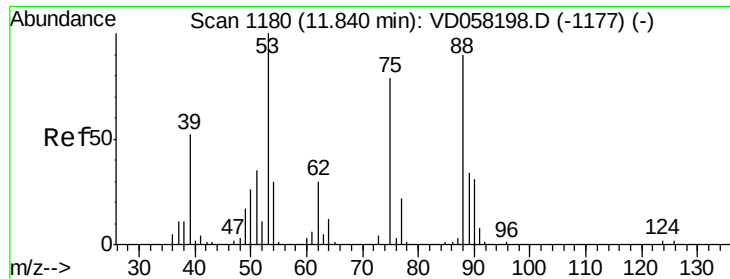
Tot Ion: 91 Resp: 231929
 Ion Ratio Lower Upper
 91 100
 126 30.2 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 10.10 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Tgt Ion: 105 Resp: 244605
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.5 67.5

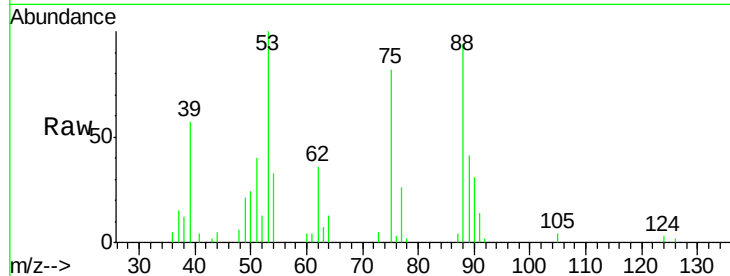




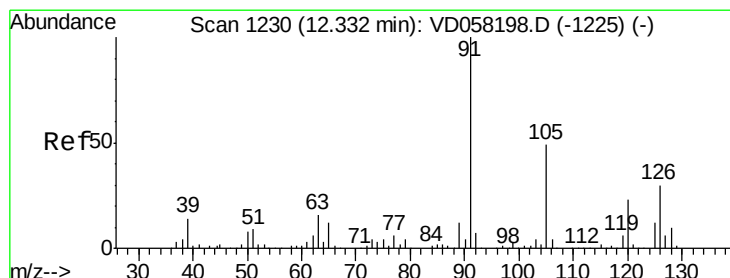
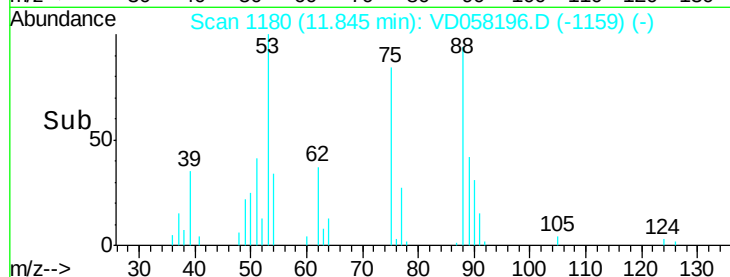
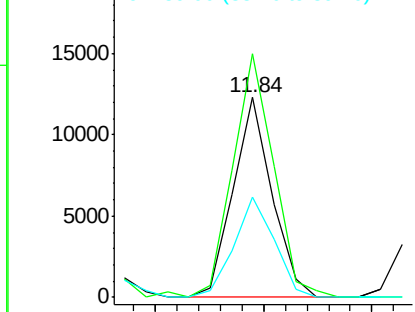
#81
trans-1,4-Dichloro-2-butene
Concen: 8.71 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 15337
Ion Ratio Lower Upper
75 100
53 122.0 100.8 151.2
89 50.3 34.6 52.0

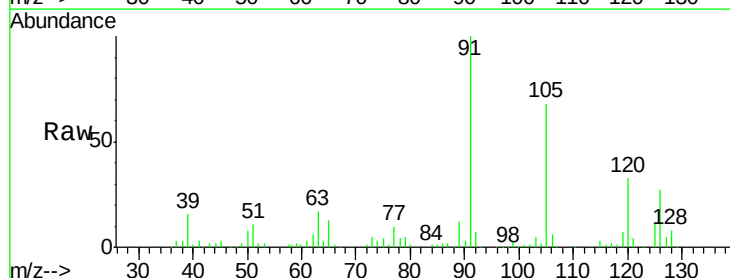


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

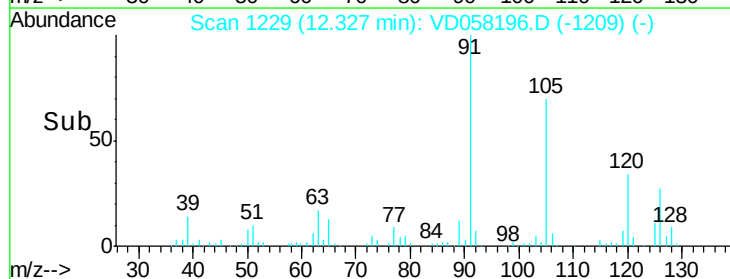
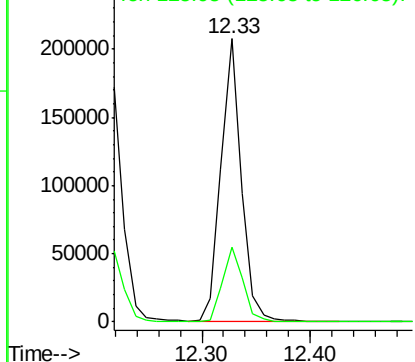


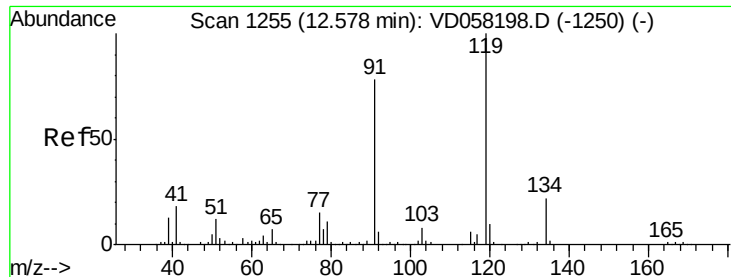
#82
4-Chlorotoluene
Concen: 10.81 ug/l
RT: 12.33 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion: 91 Resp: 273461
Ion Ratio Lower Upper
91 100
126 26.6 14.9 44.9



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

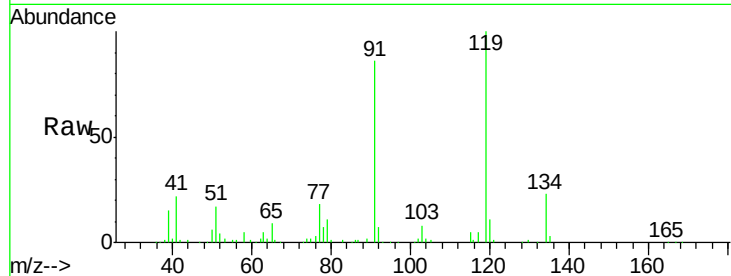




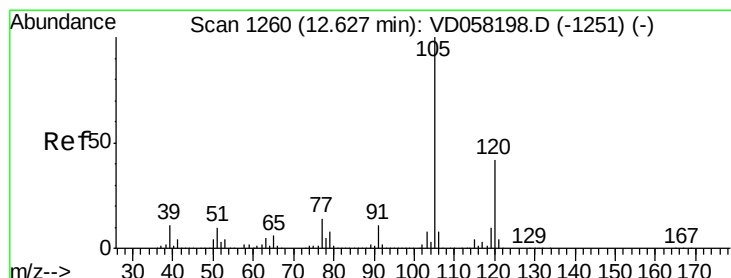
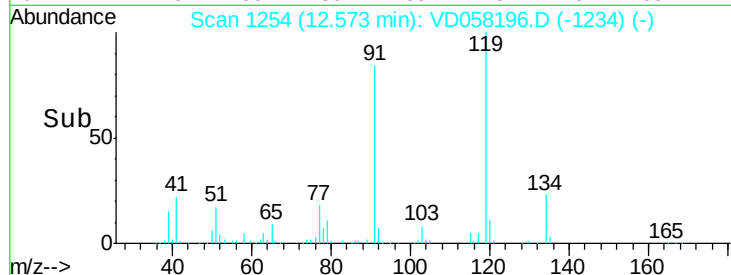
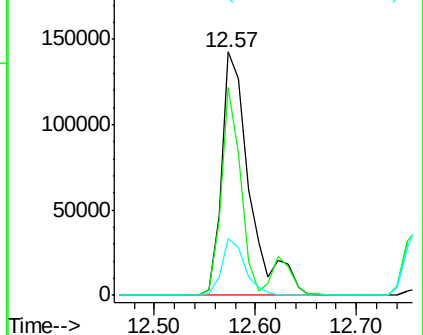
#83
 tert-Butylbenzene
 Concen: 10.19 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:119 Resp: 277344
 Ion Ratio Lower Upper
 119 100
 91 85.5 38.9 116.6
 134 23.1 11.2 33.5

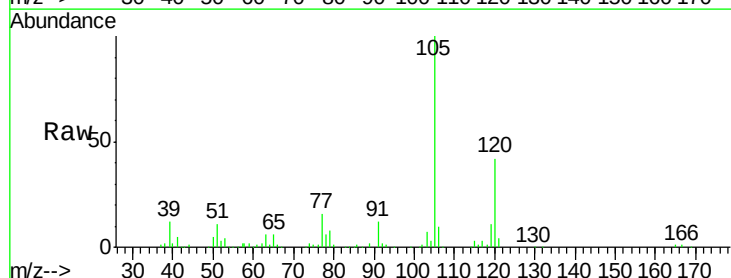


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

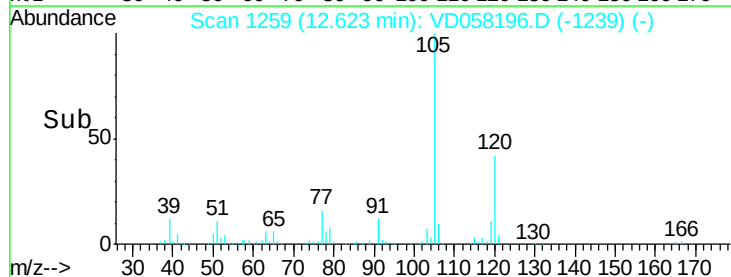
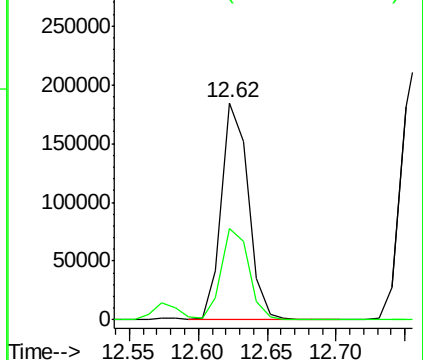


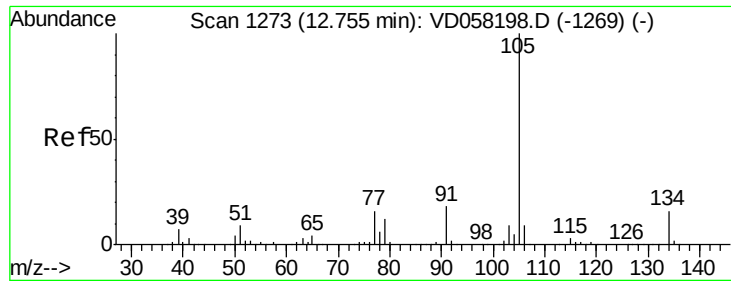
#84
 1,2,4-Trimethylbenzene
 Concen: 9.67 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Tgt Ion:105 Resp: 250084
 Ion Ratio Lower Upper
 105 100
 120 42.3 20.8 62.4



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





#85

sec-Butylbenzene

Concen: 9.81 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleID :

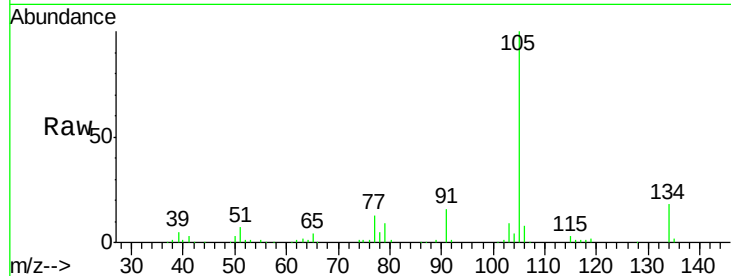
VSTDIC010

Tot Ion:105 Resp: 322562

Ion Ratio Lower Upper

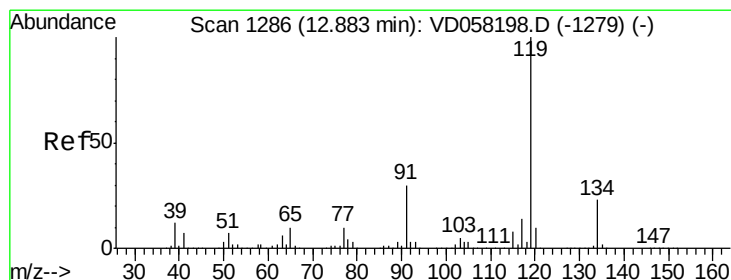
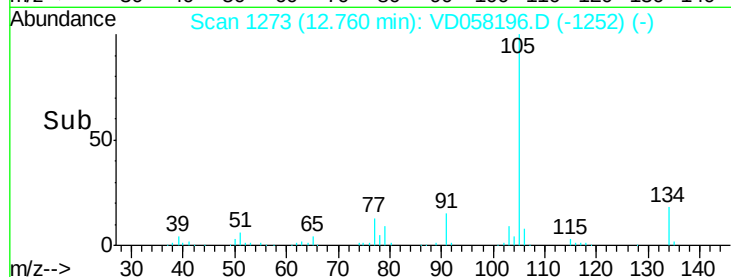
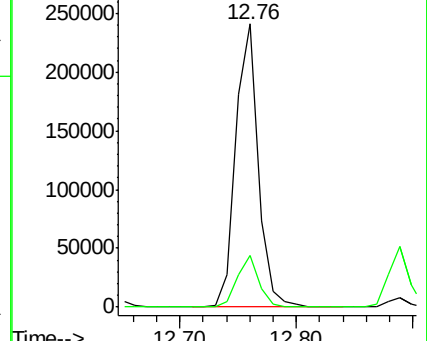
105 100

134 18.1 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 9.66 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

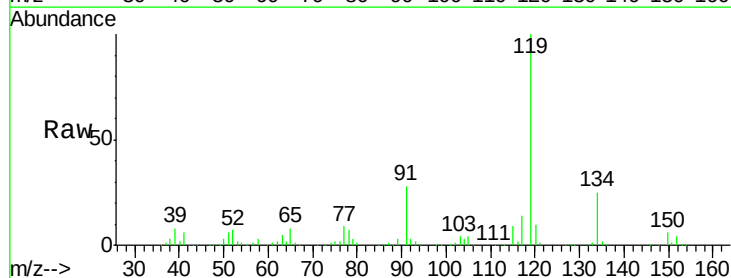
Tgt Ion:119 Resp: 254442

Ion Ratio Lower Upper

119 100

134 25.0 11.6 34.8

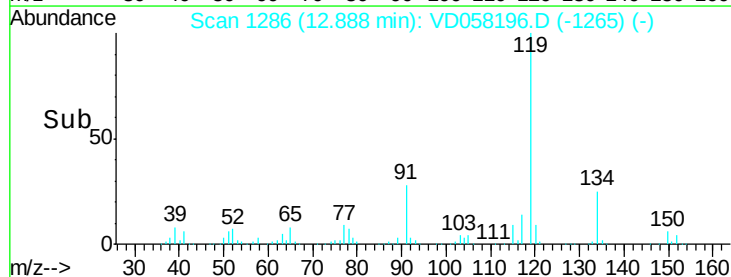
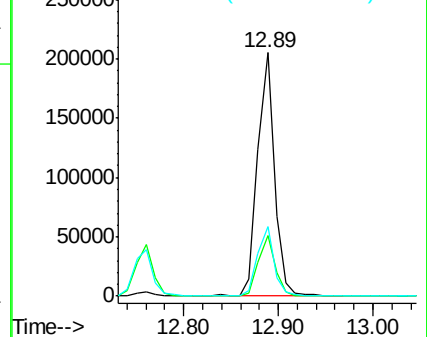
91 28.3 15.0 45.1

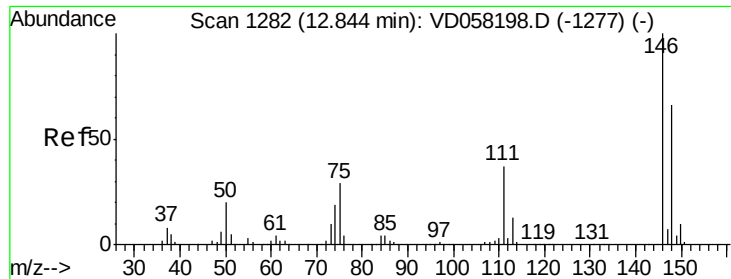


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 10.14 ug/l

RT: 12.84 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

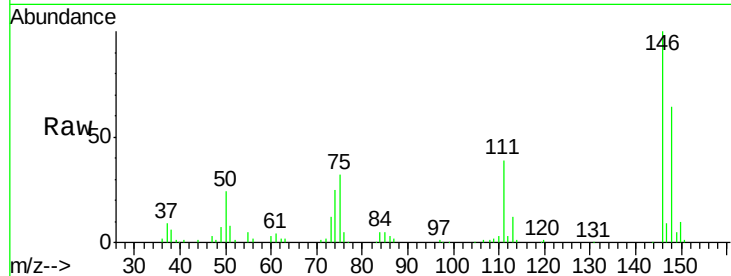
Tot Ion:146 Resp: 157563

Ion Ratio Lower Upper

146 100

111 39.2 18.4 55.0

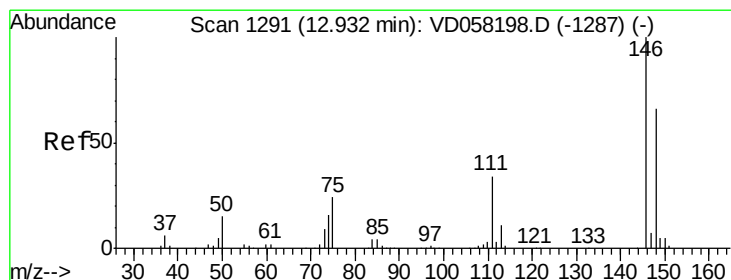
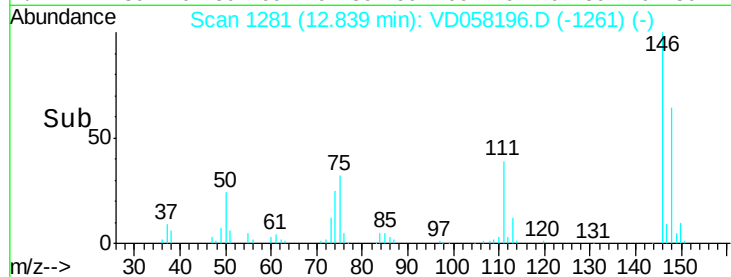
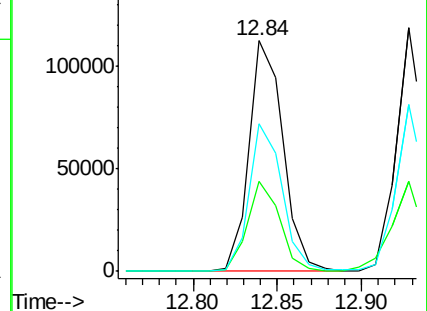
148 63.9 32.8 98.4



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: 9.62 ug/l

RT: 12.93 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

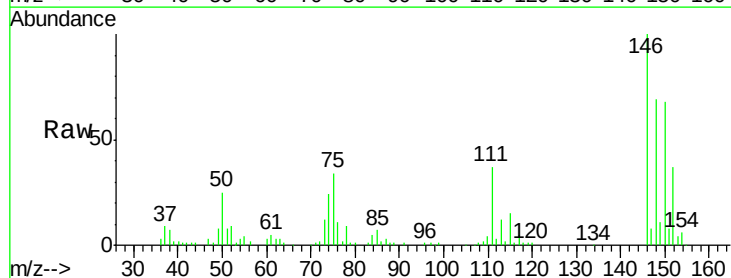
Tgt Ion:146 Resp: 146430

Ion Ratio Lower Upper

146 100

111 37.2 17.2 51.5

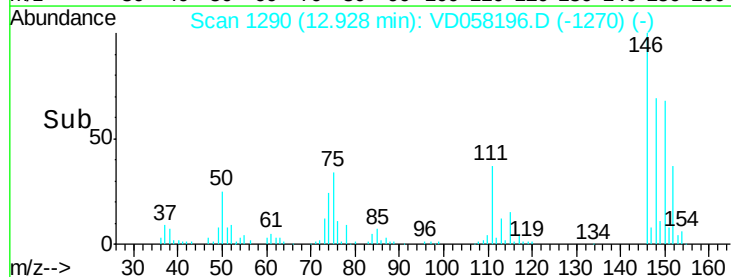
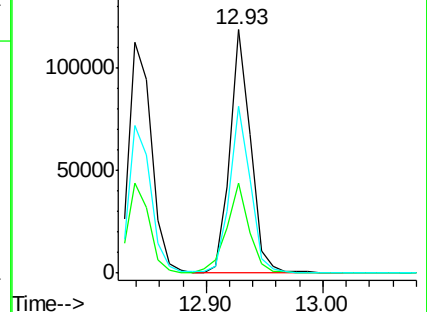
148 68.7 33.1 99.3

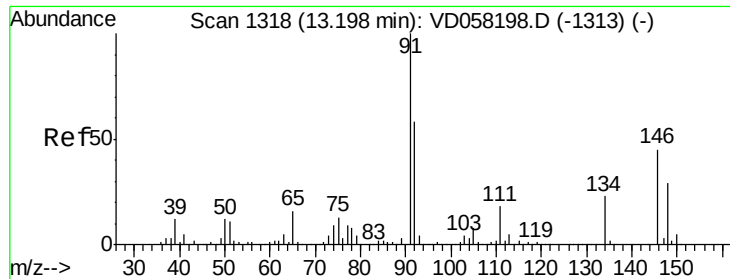


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

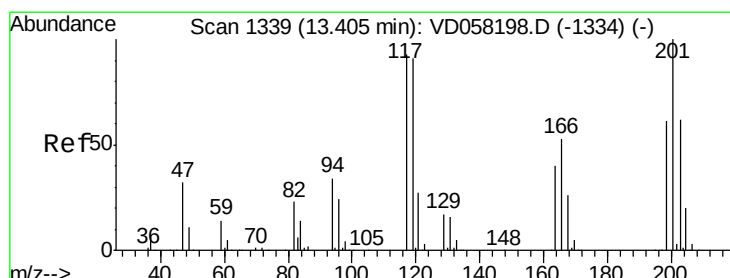
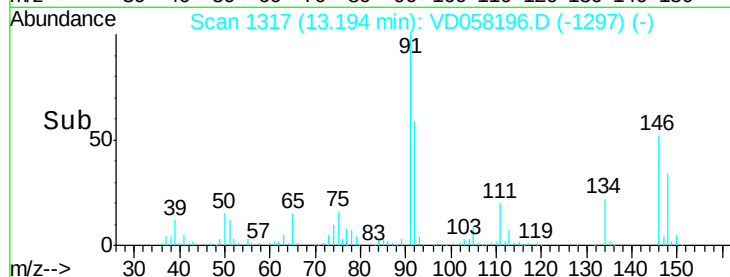
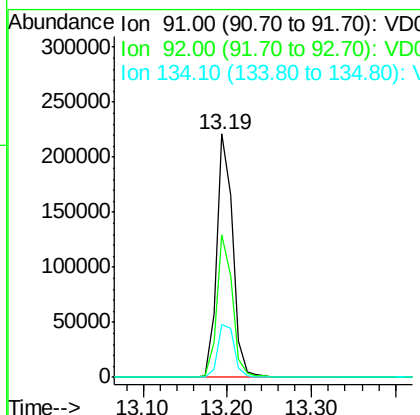
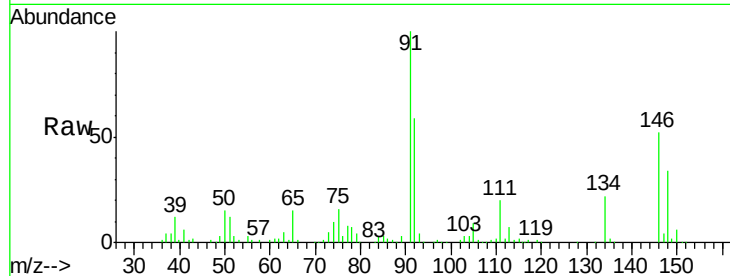




#89
n-Butylbenzene
Concen: 10.61 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

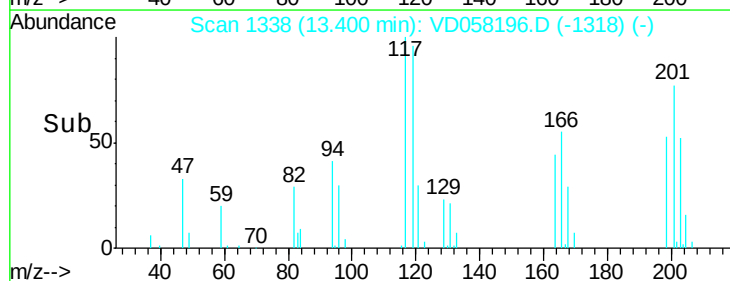
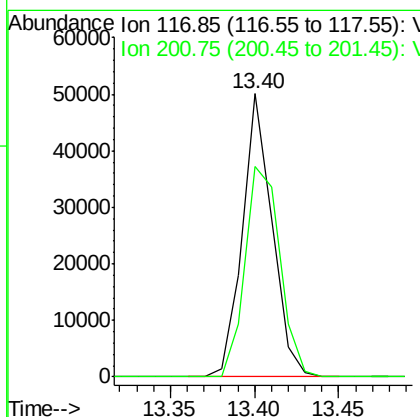
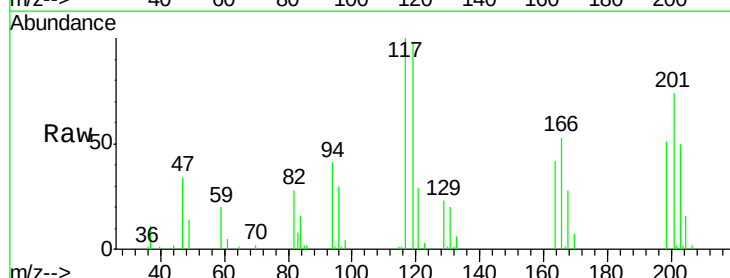
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

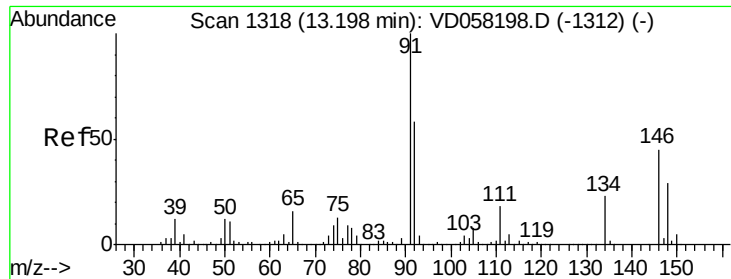
Tot Ion: 91 Resp: 290897
Ion Ratio Lower Upper
91 100
92 58.7 29.2 87.6
134 21.9 11.3 33.8



#90
Hexachloroethane
Concen: 9.05 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058196.D
Acq: 19 Jun 2018 16:02

Tgt Ion: 117 Resp: 61176
Ion Ratio Lower Upper
117 100
201 74.4 53.8 161.4

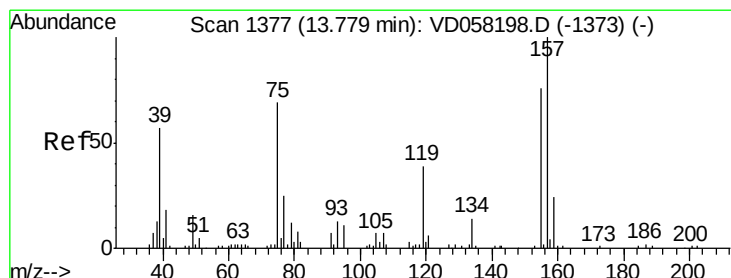
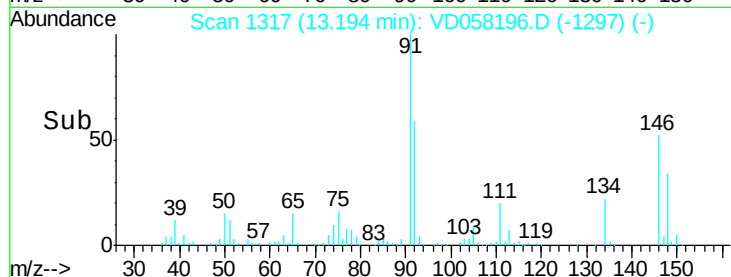
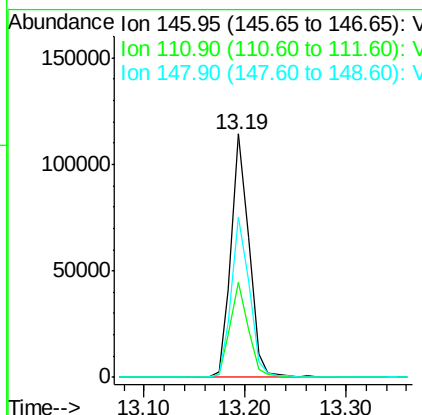
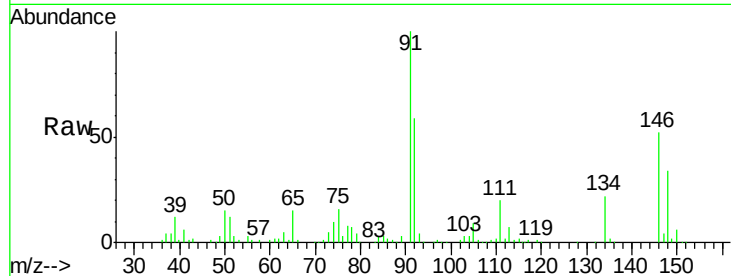




#91
 1,2-Dichlorobenzene
 Concen: 11.19 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

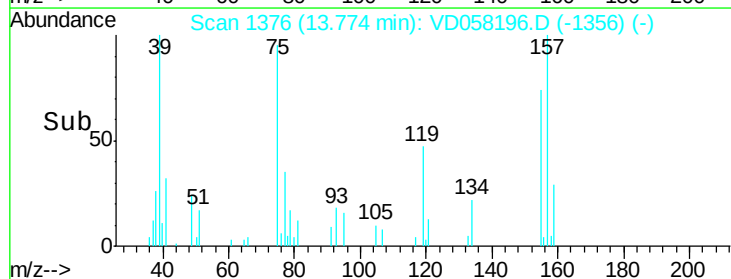
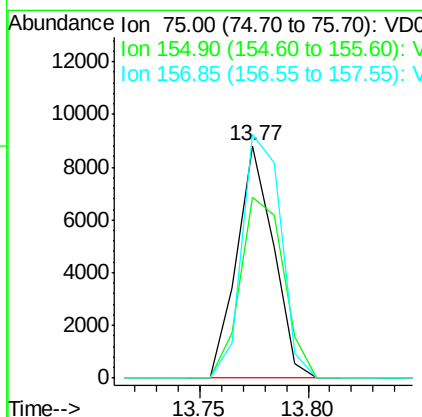
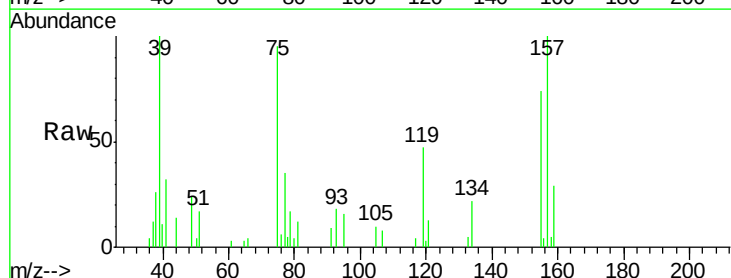
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

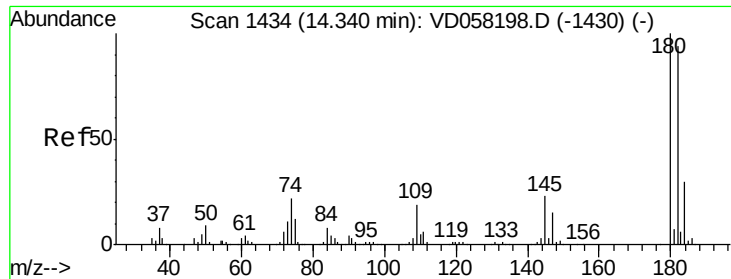
Tot Ion:146 Resp: 142917
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 65.8 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.87 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Tgt Ion: 75 Resp: 10490
 Ion Ratio Lower Upper
 75 100
 155 77.9 54.5 163.5
 157 104.7 72.0 215.9

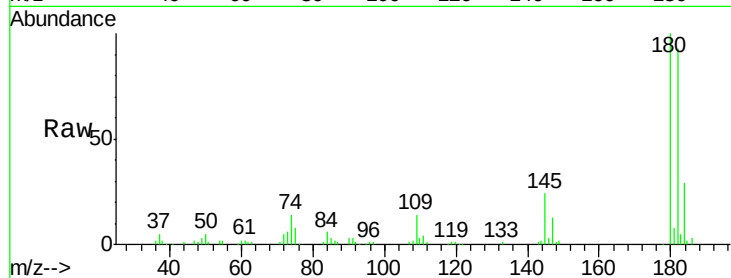




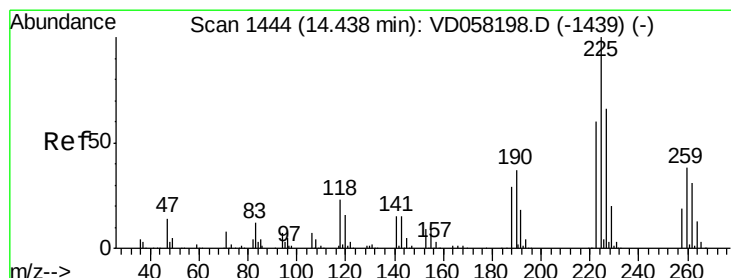
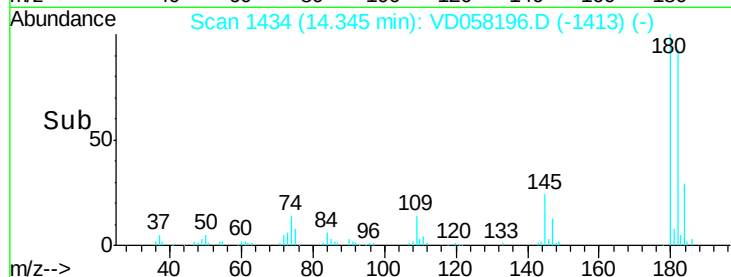
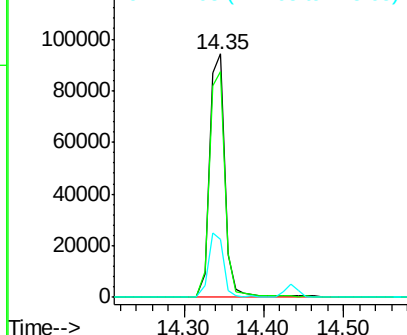
#93
 1,2,4-Trichlorobenzene
 Concen: 10.84 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 129105
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.1 141.3
 145 23.9 11.7 35.0

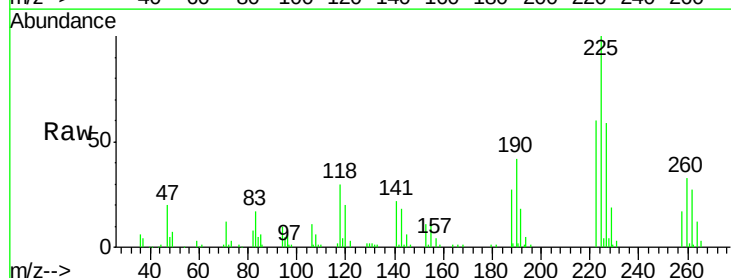


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

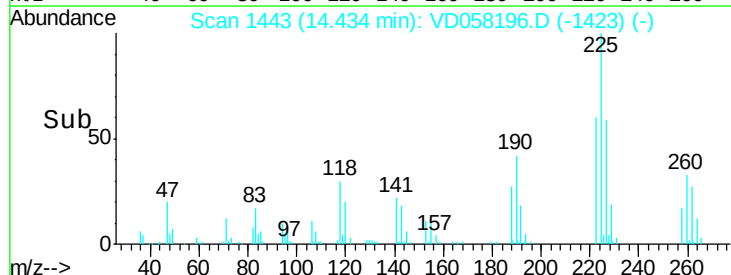
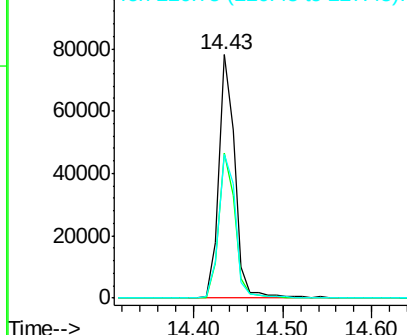


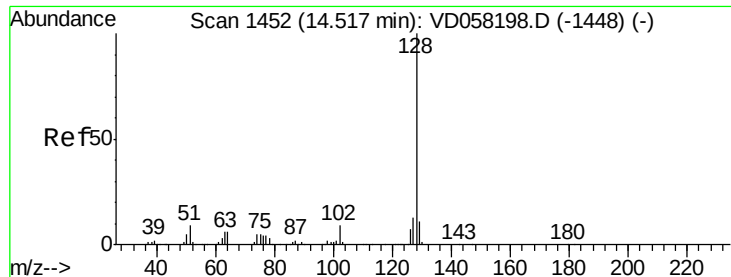
#94
 Hexachlorobutadiene
 Concen: 10.64 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD058196.D
 Acq: 19 Jun 2018 16:02

Tgt Ion:225 Resp: 98723
 Ion Ratio Lower Upper
 225 100
 223 59.7 30.1 90.3
 227 59.1 33.0 98.9



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: 10.70 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

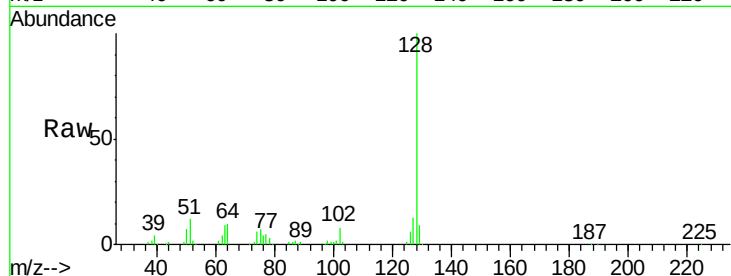
Tot Ion:128 Resp: 167152

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

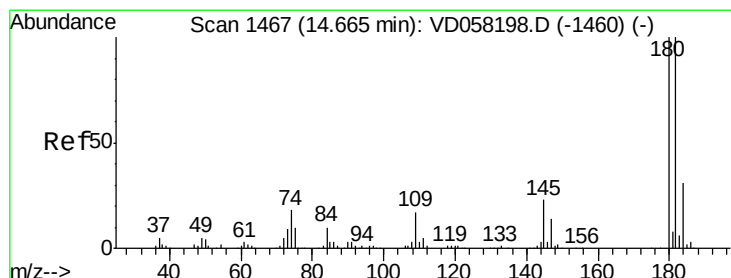
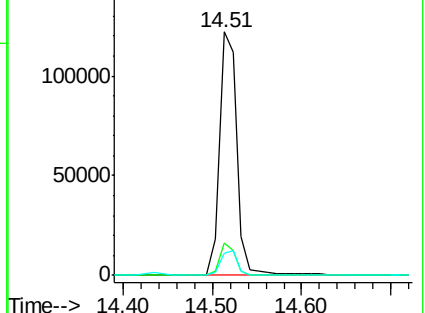
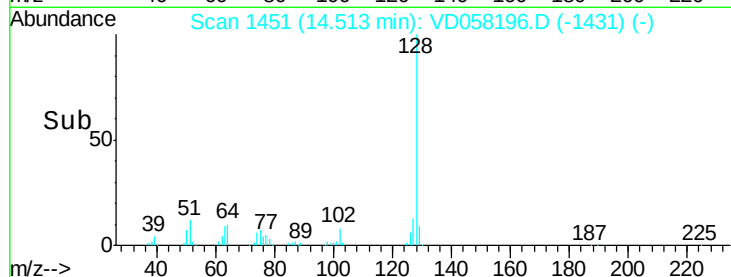
129 9.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 10.52 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD058196.D

Acq: 19 Jun 2018 16:02

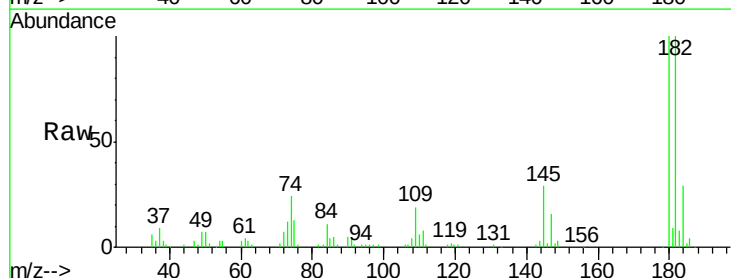
Tgt Ion:180 Resp: 107246

Ion Ratio Lower Upper

180 100

182 100.0 49.9 149.6

145 28.9 11.7 35.1



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

