

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
 Data File : VD060437.D
 Acq On : 21 Nov 2018 12:44
 Operator : JC/SY
 Sample : VD1121SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Quant Time: Nov 21 14:00:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1334009	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.45	114	1818309	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1445578	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	741240	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	466172	48.80	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	6.33	113	713439	52.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	9.46	98	1998397	50.36	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.43	95	713486	49.62	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	255533	21.84	ug/l	98
3) Chloromethane	1.76	50	250603	19.83	ug/l	96
4) Vinyl Chloride	1.86	62	205074	19.87	ug/l	100
5) Bromomethane	2.15	94	39548	16.15	ug/l	88
6) Chloroethane	2.26	64	60179	17.58	ug/l	96
7) Trichlorofluoromethane	2.52	101	240294	19.75	ug/l	100
8) Diethyl Ether	2.83	74	42854	19.45	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.10	101	163785	20.47	ug/l	96
10) Methyl Iodide	3.26	142	178791	17.20	ug/l	99
11) Tert butyl alcohol	3.97	59	35381	90.21	ug/l	99
12) 1,1-Dichloroethene	3.08	96	132769	20.40	ug/l	99
13) Acrolein	2.99	56	32357	69.82	ug/l	98
14) Allyl chloride	3.54	41	254976	20.47	ug/l	97
15) Acrylonitrile	4.09	53	233349	102.02	ug/l	99
16) Acetone	3.17	43	165359	99.80	ug/l	99
17) Carbon Disulfide	3.31	76	396721	18.88	ug/l	99
18) Methyl Acetate	3.56	43	74758	21.16	ug/l	94
19) Methyl tert-butyl Ether	4.13	73	386112	19.81	ug/l	99
20) Methylene Chloride	3.73	84	343747	23.39	ug/l	96
21) trans-1,2-Dichloroethene	4.10	96	292198	20.22	ug/l	97
22) Diisopropyl ether	4.86	45	937899	20.16	ug/l	98
23) Vinyl Acetate	4.81	43	2338775	101.01	ug/l	99
24) 1,1-Dichloroethane	4.76	63	491416	20.60	ug/l	100
25) 2-Butanone	5.63	43	336259	97.64	ug/l	98
26) 2,2-Dichloropropane	5.59	77	388239	20.93	ug/l	99
27) cis-1,2-Dichloroethene	5.60	96	313852	20.85	ug/l	96
28) Bromochloromethane	5.92	49	209444	19.89	ug/l	99
29) Tetrahydrofuran	5.95	42	177831	97.94	ug/l	99
30) Chloroform	6.11	83	497538	20.86	ug/l	99
31) Cyclohexane	6.38	56	455196	19.96	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	419026	20.85	ug/l	100
36) 1,1-Dichloropropene	6.52	75	359381	20.01	ug/l	99
37) Ethyl Acetate	5.71	43	168095	20.33	ug/l	98
38) Carbon Tetrachloride	6.50	117	346102	20.77	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	412938	19.99	ug/l	99
40) Benzene	6.80	78	948151	20.68	ug/l	99
41) Methacrylonitrile	5.95	41	190456	20.13	ug/l #	96
42) 1,2-Dichloroethane	6.90	62	248765	20.73	ug/l	98
43) Isopropyl Acetate	8.35	43	201456	19.40	ug/l #	98
44) Trichloroethene	7.74	130	296685	21.34	ug/l	99
45) 1,2-Dichloropropane	8.11	63	238917	20.66	ug/l	96
46) Dibromomethane	8.22	93	135110	19.95	ug/l	99
47) Bromodichloromethane	8.49	83	328724	20.60	ug/l	96
48) Methyl methacrylate	8.25	41	127795	20.26	ug/l	95
49) 1,4-Dioxane	8.23	88	22477	411.88	ug/l #	83
51) 4-Methyl-2-Pentanone	9.35	43	670279	99.18	ug/l	99
52) Toluene	9.55	92	620593	21.19	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	269626	19.99	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	352359	20.37	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	169991	20.02	ug/l	97
56) Ethyl methacrylate	10.04	69	150071	19.23	ug/l	98
57) 1,3-Dichloropropane	10.38	76	253521	19.60	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	498897	105.70	ug/l	98
59) 2-Hexanone	10.49	43	492184	102.18	ug/l	100
60) Dibromochloromethane	10.64	129	212418	20.58	ug/l	98
61) 1,2-Dibromoethane	10.76	107	176328	20.73	ug/l	98
64) Tetrachloroethene	10.25	164	266986	20.69	ug/l	99
65) Chlorobenzene	11.32	112	648162	20.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	216684	21.14	ug/l	97
67) Ethyl Benzene	11.43	91	1152667	21.51	ug/l	98
68) m/p-Xylenes	11.56	106	878816	44.46	ug/l	98
69) o-Xylene	11.94	106	406987	21.31	ug/l	98
70) Styrene	11.96	104	657744	21.31	ug/l	98
71) Bromoform	12.12	173	137746	20.00	ug/l	99
73) Isopropylbenzene	12.28	105	1092263	20.23	ug/l	100
74) N-amyl acetate	12.13	43	263818	19.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	175439	19.86	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	174017	19.63	ug/l	98
77) Bromobenzene	12.55	156	285809	19.92	ug/l	92
78) n-propylbenzene	12.64	91	1366220	20.27	ug/l	97
79) 2-Chlorotoluene	12.70	91	764256	20.70	ug/l	93
80) 1,3,5-Trimethylbenzene	12.79	105	880296	20.97	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	46046	18.24	ug/l	91
82) 4-Chlorotoluene	12.81	91	885503	21.35	ug/l	94
83) tert-Butylbenzene	13.05	119	971830	20.86	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	897696	21.42	ug/l	98
85) sec-Butylbenzene	13.22	105	1179924	20.64	ug/l	97
86) p-Isopropyltoluene	13.34	119	968331	21.03	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	526981	20.65	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	531780	21.33	ug/l	97
89) n-Butylbenzene	13.65	91	1034334	20.48	ug/l	96
90) Hexachloroethane	13.86	117	219001	20.06	ug/l	77
91) 1,2-Dichlorobenzene	13.66	146	451752	21.55	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	20011	18.77	ug/l	68

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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

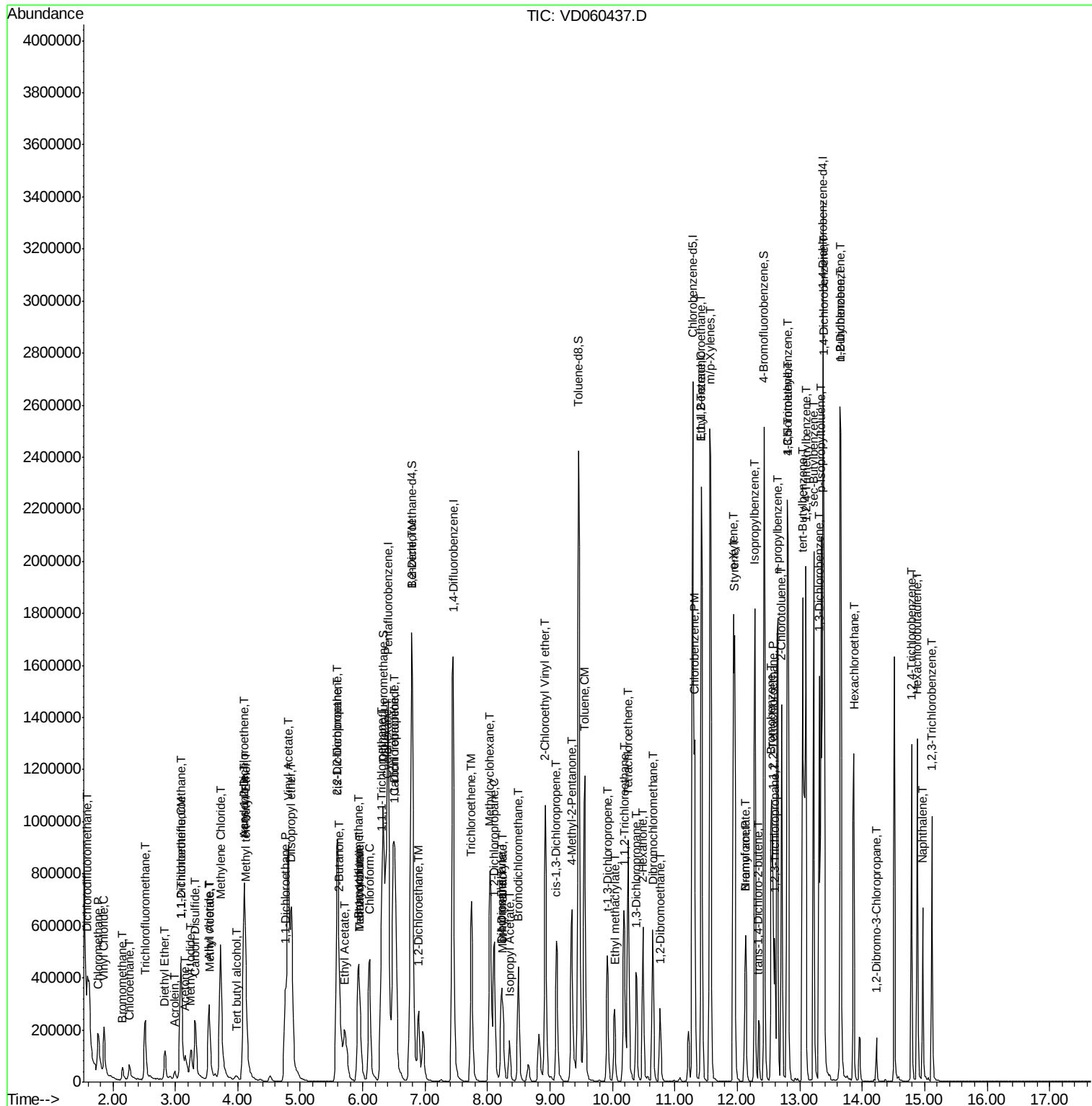
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	330893	19.91	ug/l	98
94) Hexachlorobutadiene	14.88	225	234470	18.86	ug/l	98
95) Naphthalene	14.97	128	400662	19.74	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	260996	19.60	ug/l	97

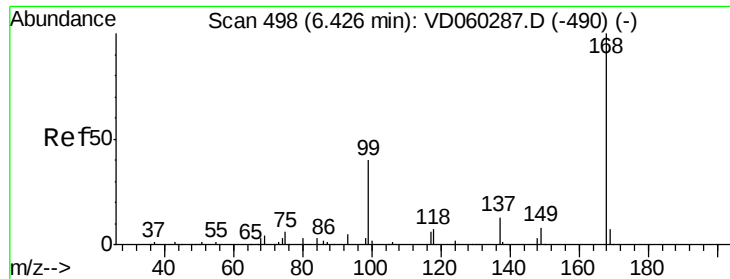
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

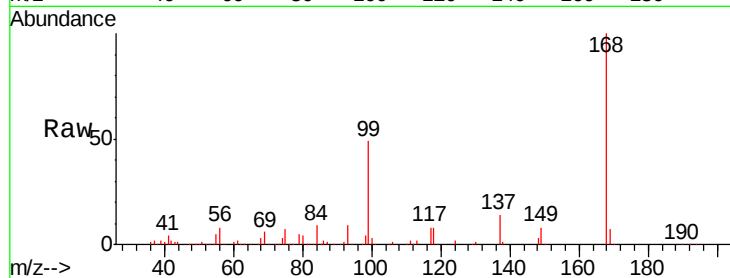
VD1121SBSD01

Tgt Ion:168 Resp: 1334009

Ion Ratio Lower Upper

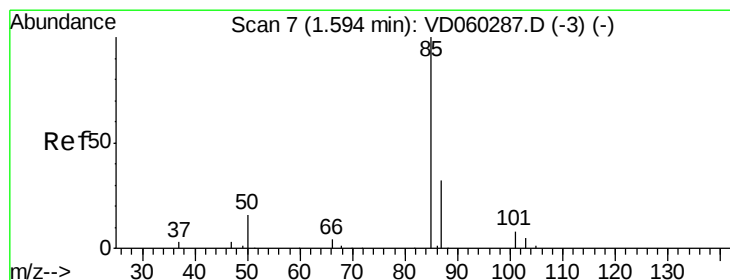
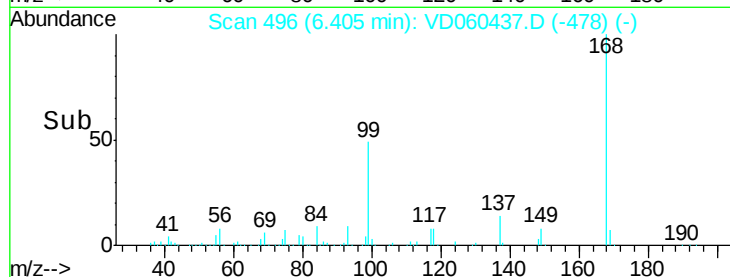
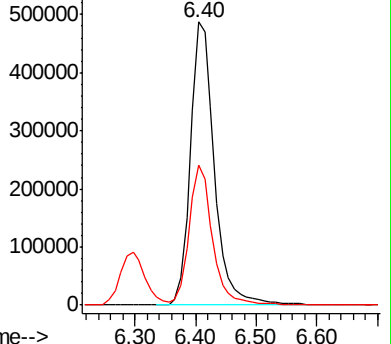
168 100

99 49.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.84 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060437.D

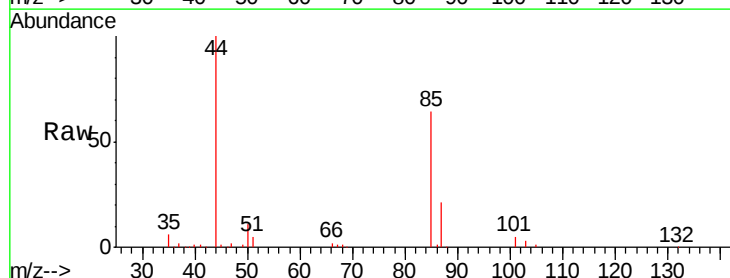
Acq: 21 Nov 2018 12:44

Tgt Ion: 85 Resp: 255533

Ion Ratio Lower Upper

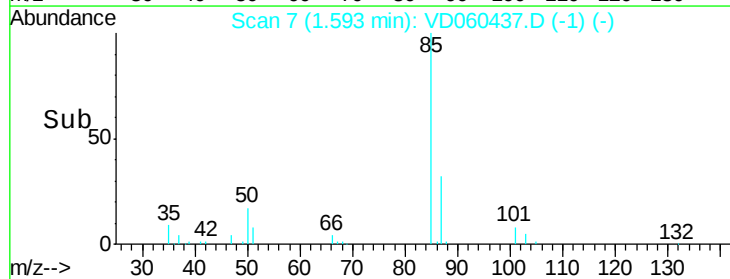
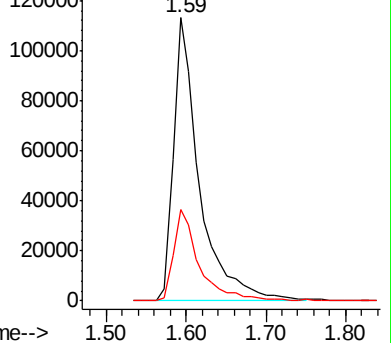
85 100

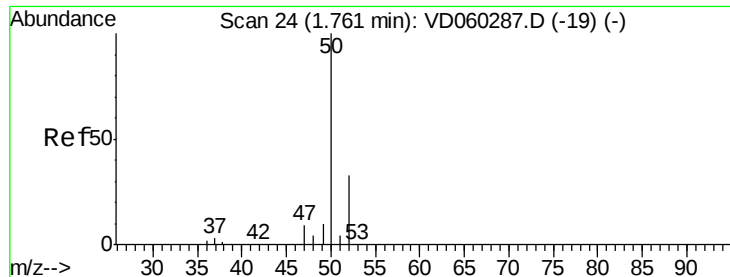
87 32.2 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.83 ug/l

RT: 1.76 min Scan# 24

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

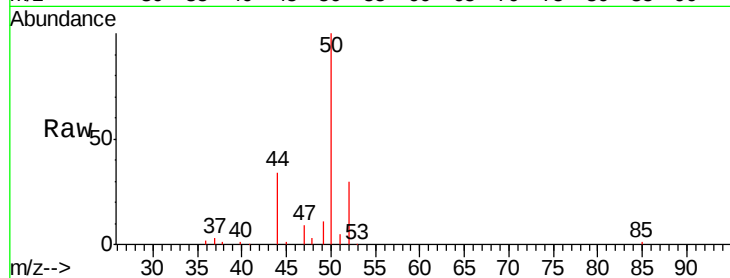
VD1121SBSD01

Tgt Ion: 50 Resp: 250603

Ion Ratio Lower Upper

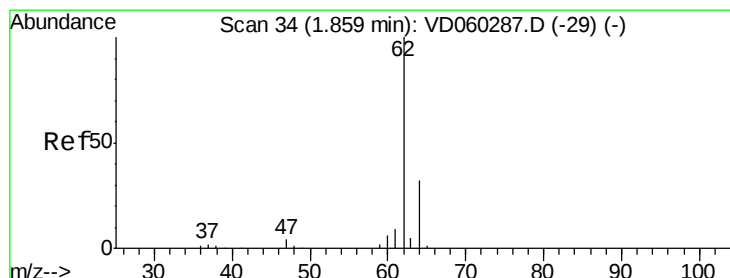
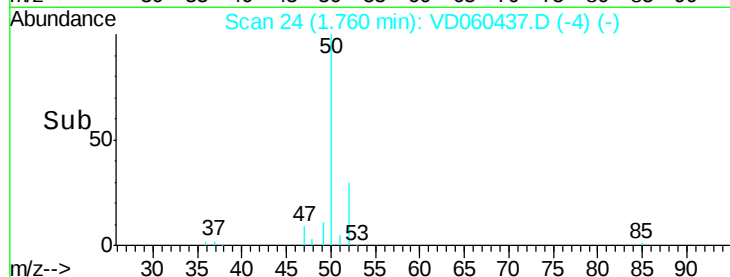
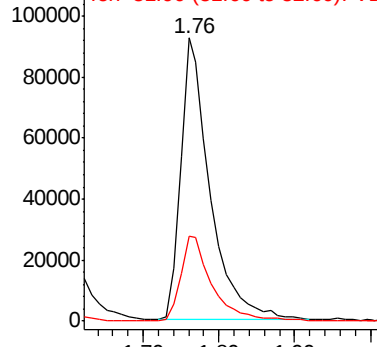
50 100

52 30.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.87 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060437.D

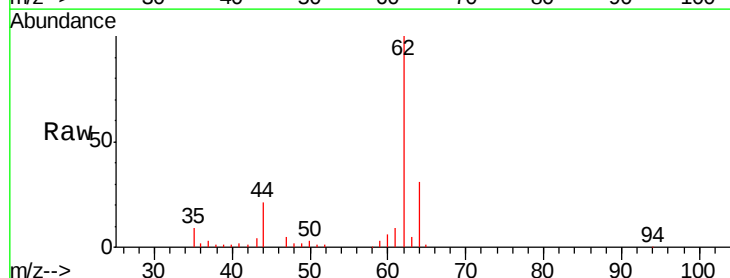
Acq: 21 Nov 2018 12:44

Tgt Ion: 62 Resp: 205074

Ion Ratio Lower Upper

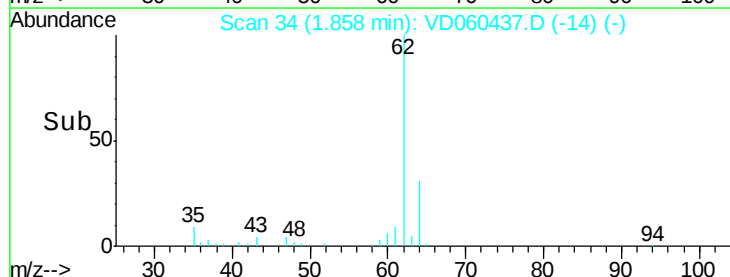
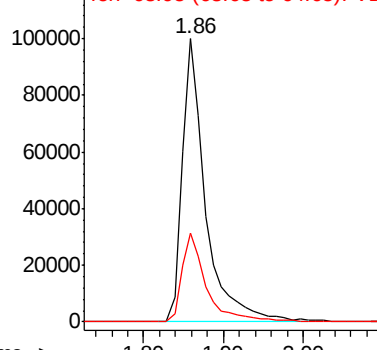
62 100

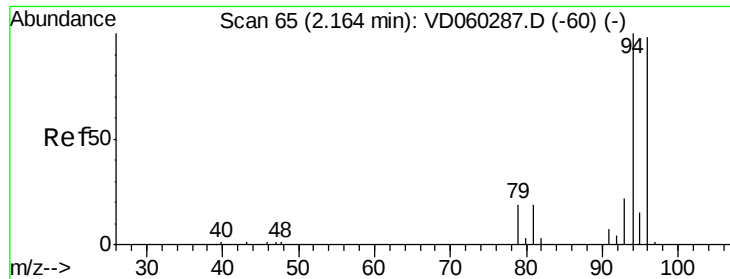
64 31.2 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

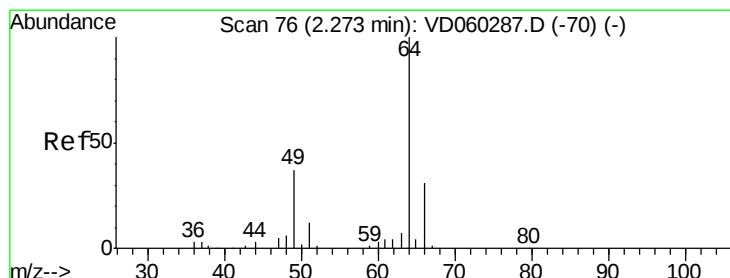
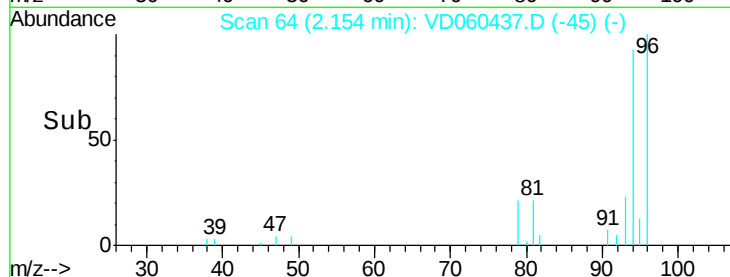
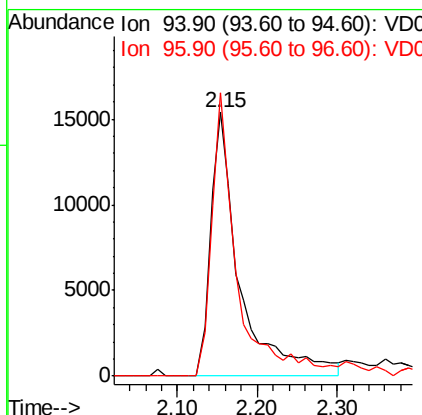
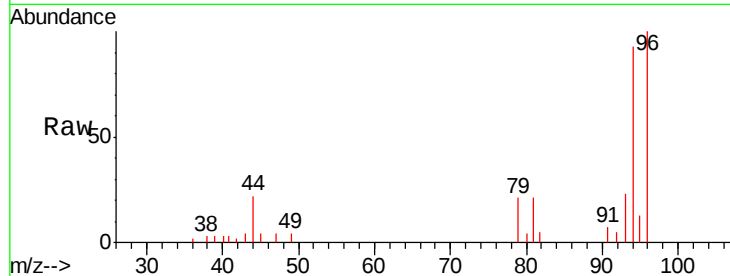




#5
Bromomethane
Concen: 16.15 ug/l
RT: 2.15 min Scan# 64
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

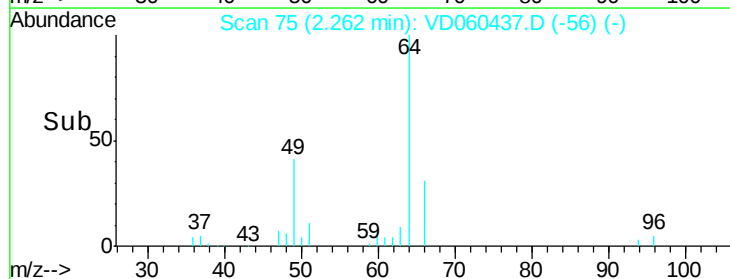
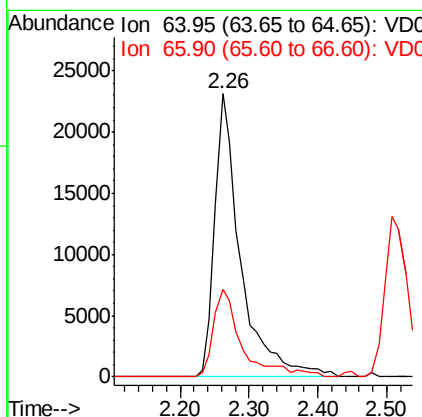
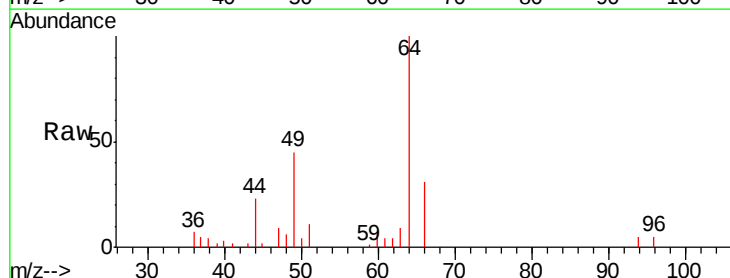
Instrument :
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Tgt Ion: 94 Resp: 39548
Ion Ratio Lower Upper
94 100
96 107.3 76.6 114.8



#6
Chloroethane
Concen: 17.58 ug/l
RT: 2.26 min Scan# 75
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 64 Resp: 60179
Ion Ratio Lower Upper
64 100
66 30.9 26.6 40.0



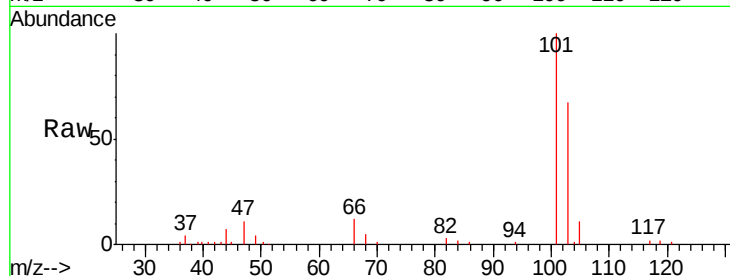


#7

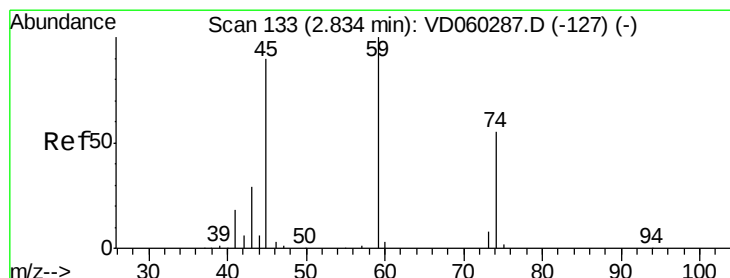
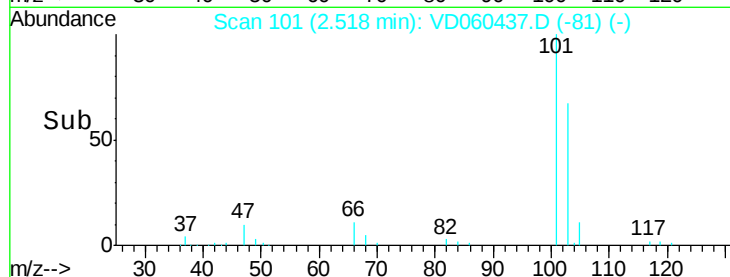
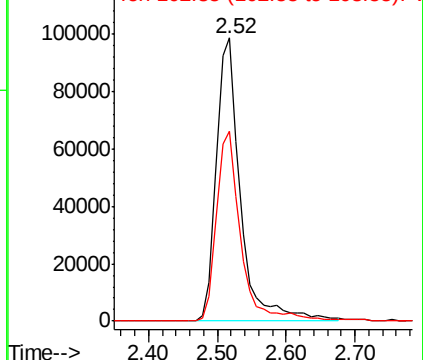
Trichlorofluoromethane
 Concen: 19.75 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

Tgt Ion: 101 Resp: 240294
 Ion Ratio Lower Upper
 101 100
 103 67.3 53.6 80.4



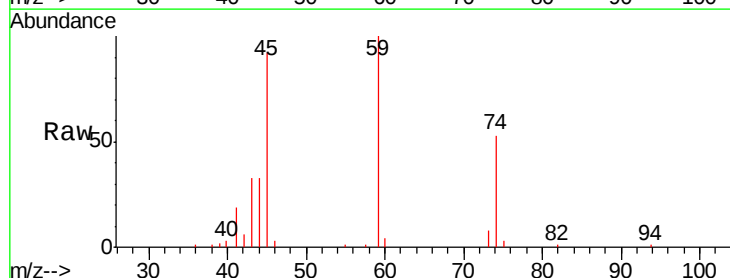
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



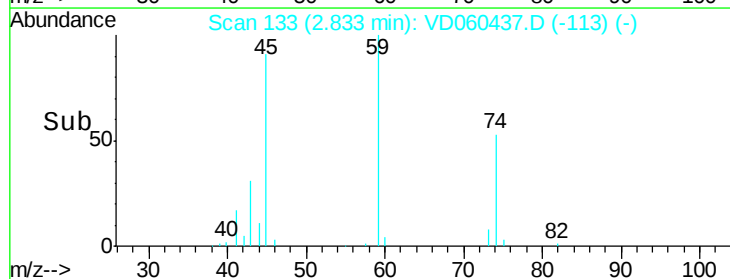
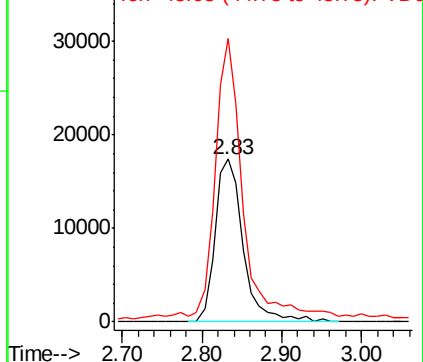
#8

Diethyl Ether
 Concen: 19.45 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion: 74 Resp: 42854
 Ion Ratio Lower Upper
 74 100
 45 173.8 84.8 254.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.47 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBSD01

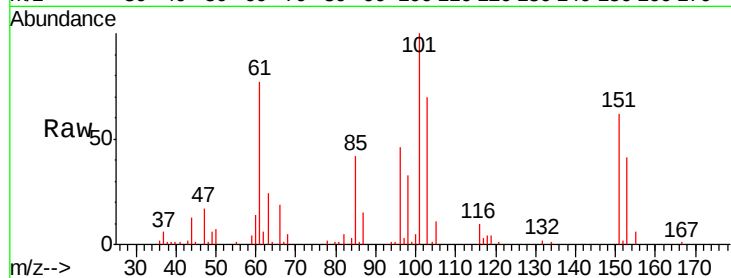
Tgt Ion:101 Resp: 163785

Ion Ratio Lower Upper

101 100

85 41.7 31.4 47.0

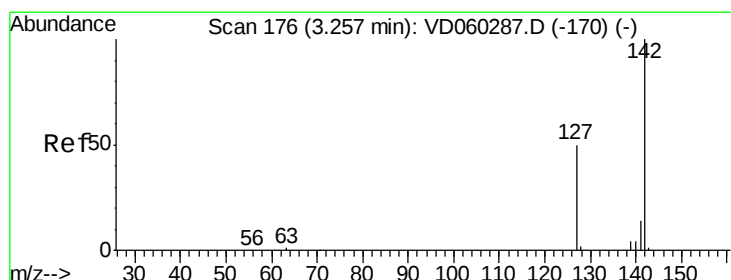
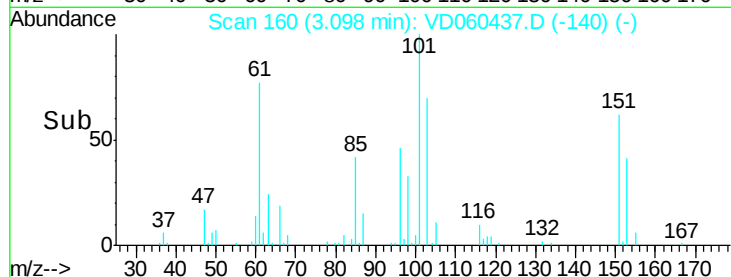
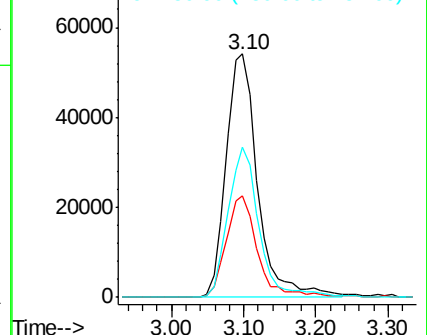
151 61.9 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.20 ug/l

RT: 3.26 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

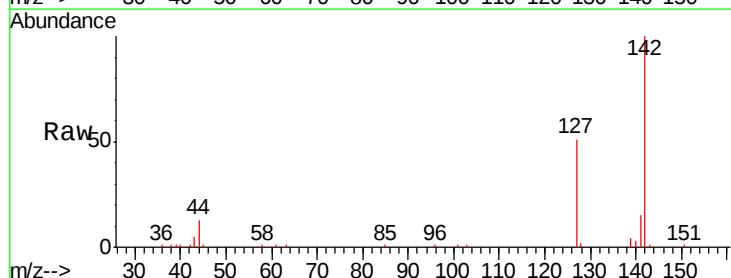
Tgt Ion:142 Resp: 178791

Ion Ratio Lower Upper

142 100

127 51.0 41.0 61.6

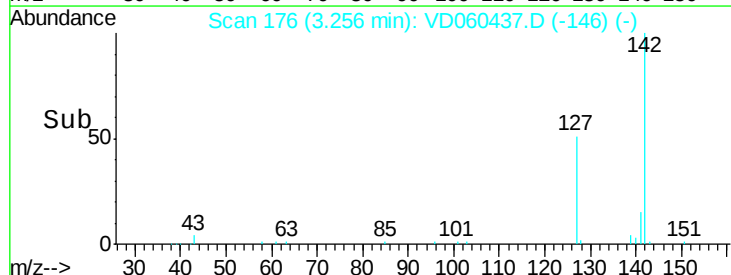
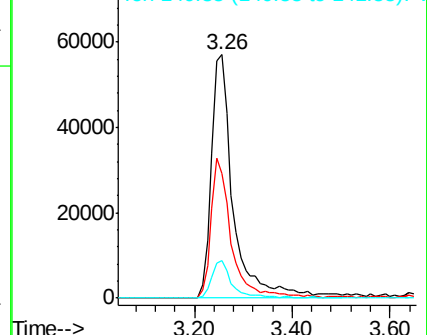
141 15.4 11.9 17.9

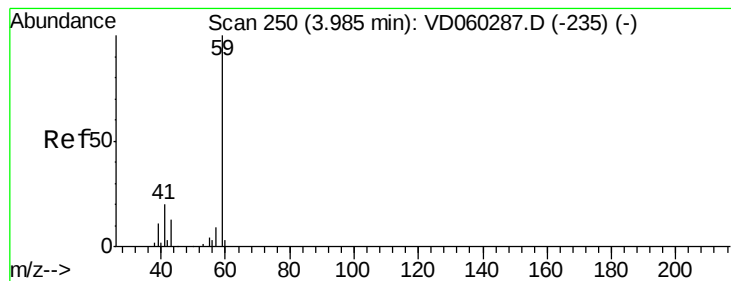


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



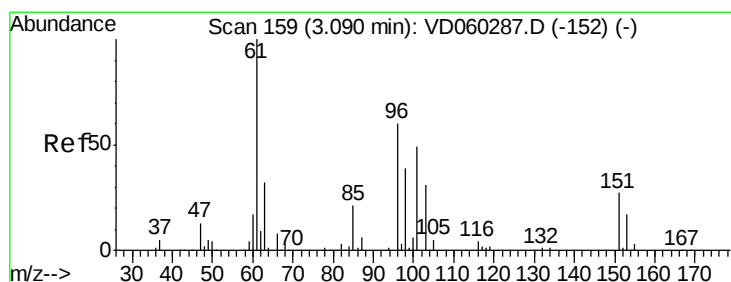
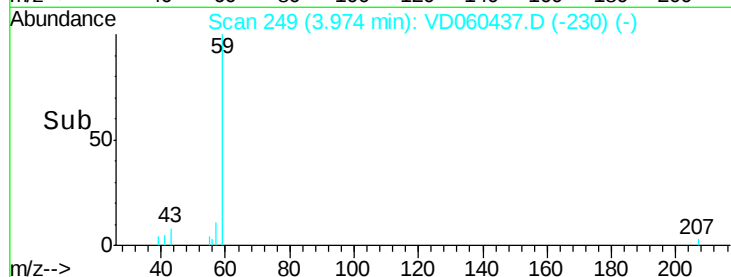
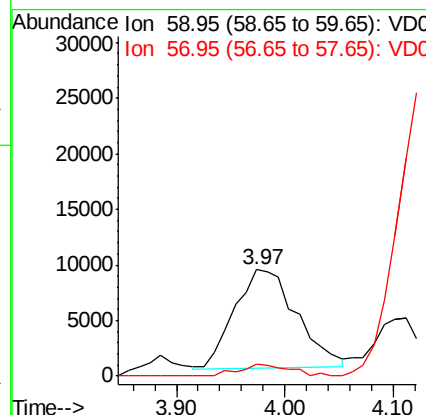
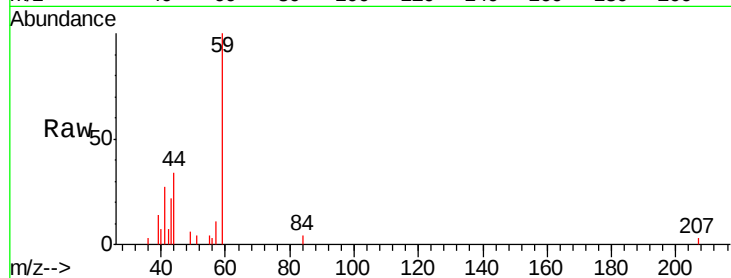


#11

Tert butyl alcohol
Concen: 90.21 ug/l
RT: 3.97 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

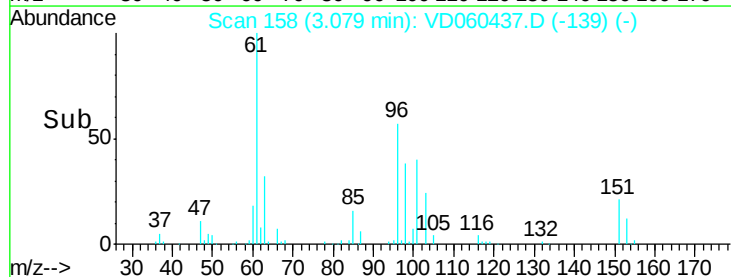
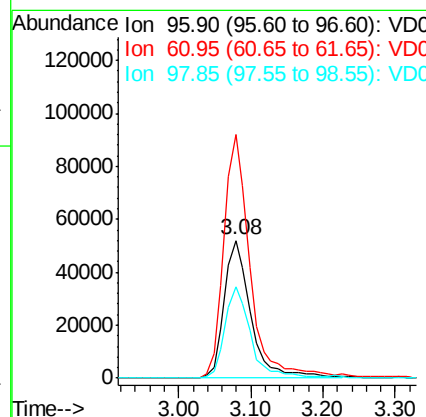
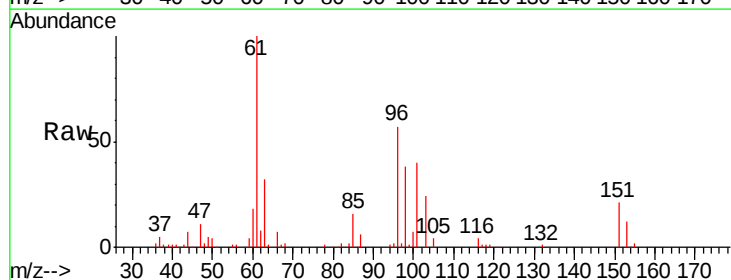
Tgt Ion: 59 Resp: 35381
Ion Ratio Lower Upper
59 100
57 11.4 9.3 13.9

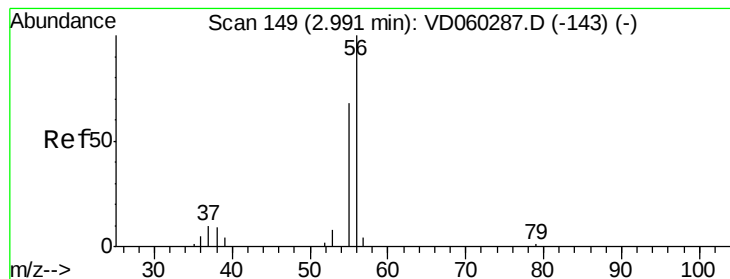


#12

1,1-Dichloroethene
Concen: 20.40 ug/l
RT: 3.08 min Scan# 158
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 96 Resp: 132769
Ion Ratio Lower Upper
96 100
61 176.8 142.2 213.4
98 66.5 52.6 79.0





#13

Acrolein

Concen: 69.82 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

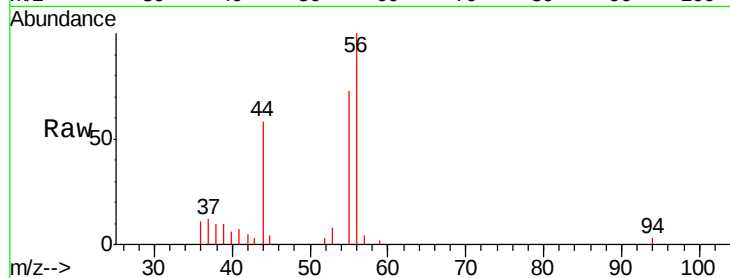
VD1121SBSD01

Tgt Ion: 56 Resp: 32357

Ion Ratio Lower Upper

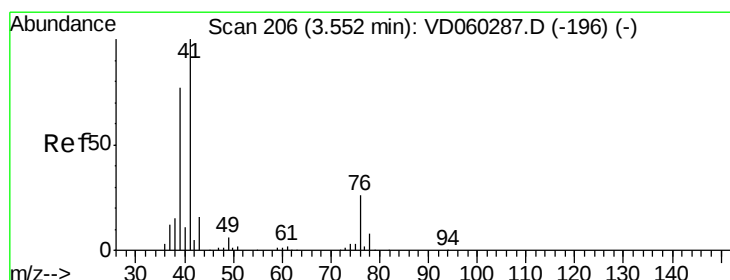
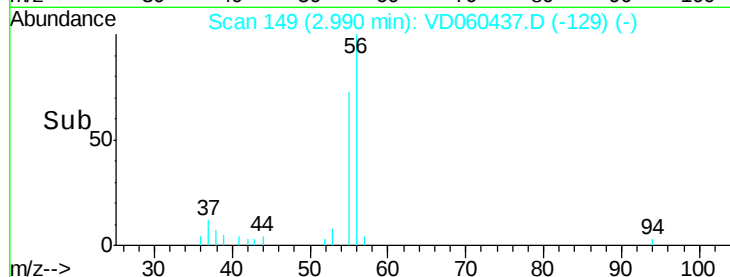
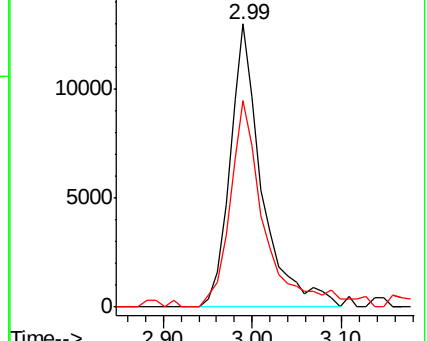
56 100

55 72.9 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.47 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

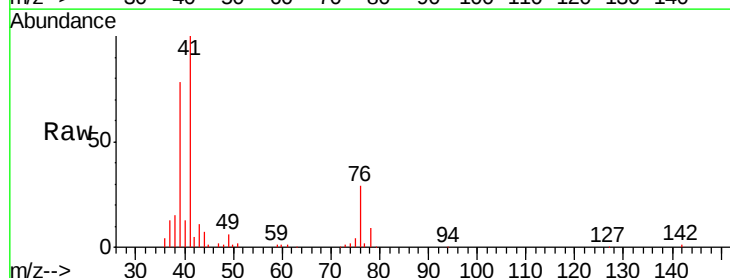
Tgt Ion: 41 Resp: 254976

Ion Ratio Lower Upper

41 100

39 78.2 60.4 90.6

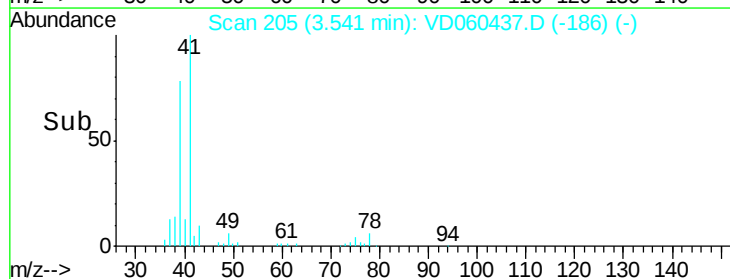
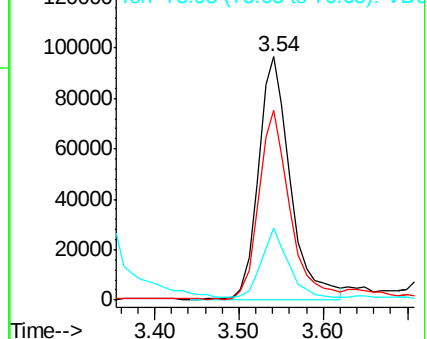
76 29.4 21.8 32.8



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: 102.02 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

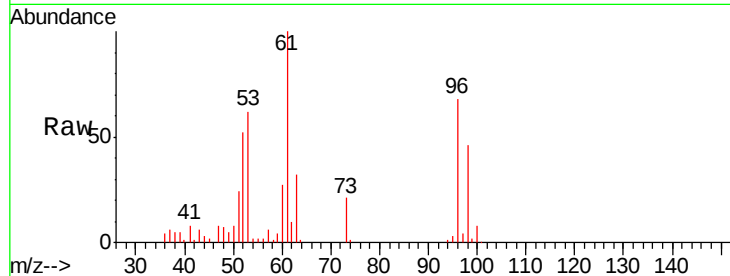
Tgt Ion: 53 Resp: 233349

Ion Ratio Lower Upper

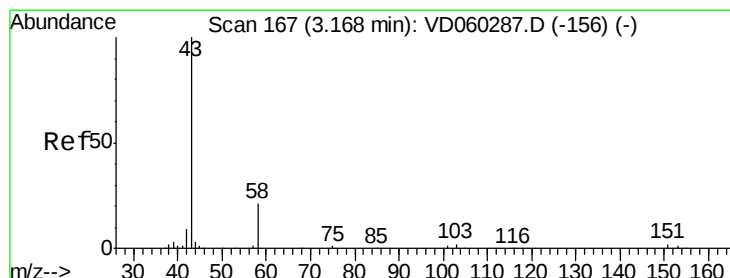
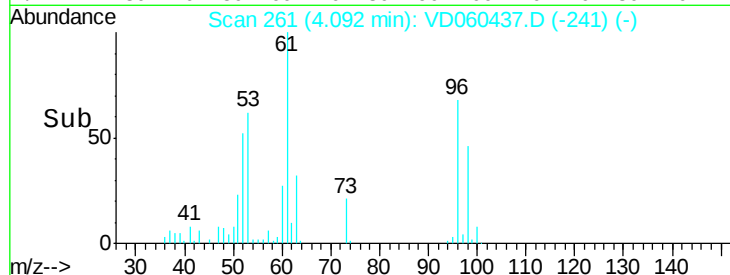
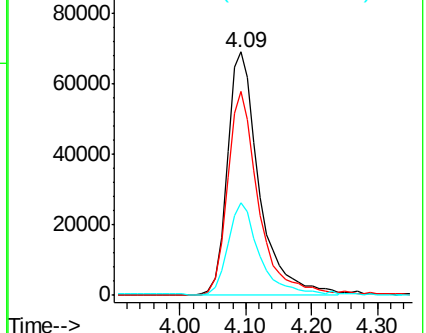
53 100

52 84.0 67.0 100.4

51 38.1 29.9 44.9



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



#16

Acetone

Concen: 99.80 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060437.D

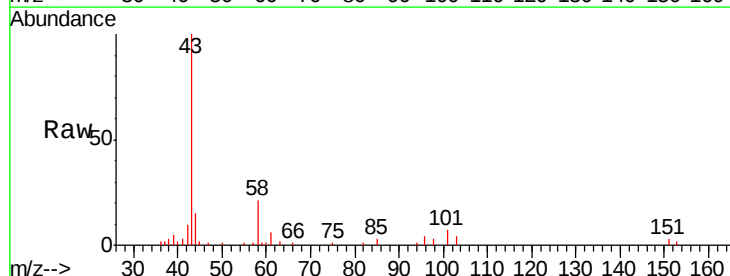
Acq: 21 Nov 2018 12:44

Tgt Ion: 43 Resp: 165359

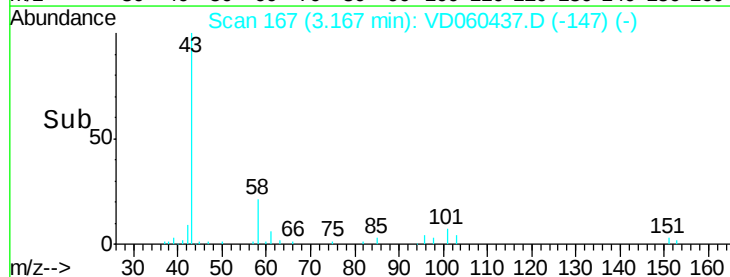
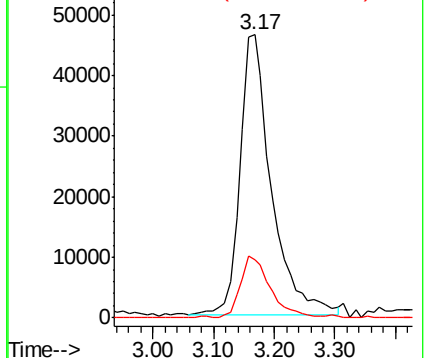
Ion Ratio Lower Upper

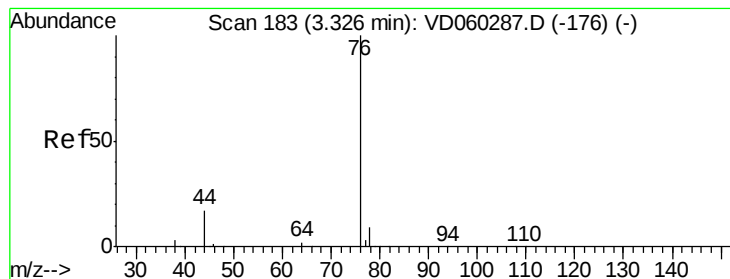
43 100

58 20.7 16.9 25.3



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





#17

Carbon Disulfide

Concen: 18.88 ug/l

RT: 3.31 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

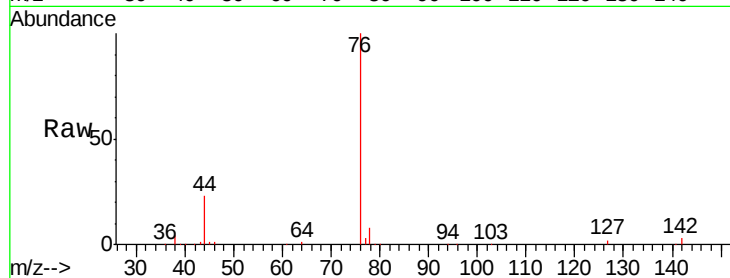
VD1121SBSD01

Tgt Ion: 76 Resp: 396721

Ion Ratio Lower Upper

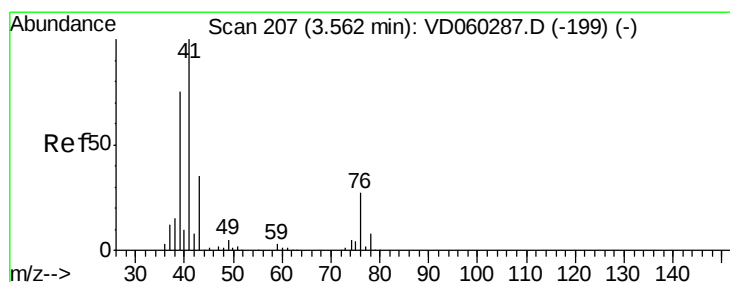
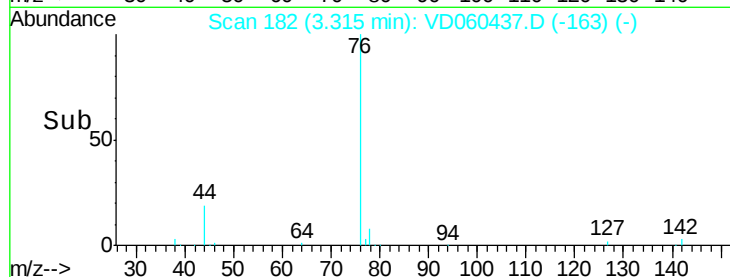
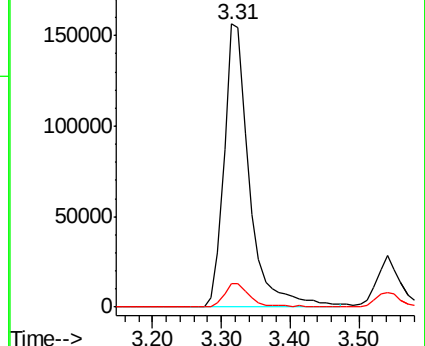
76 100

78 8.4 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.16 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.00 min

Lab File: VD060437.D

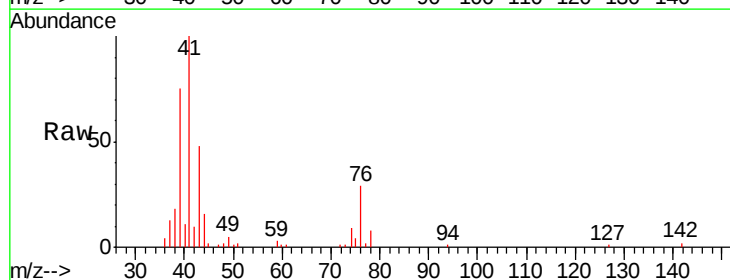
Acq: 21 Nov 2018 12:44

Tgt Ion: 43 Resp: 74758

Ion Ratio Lower Upper

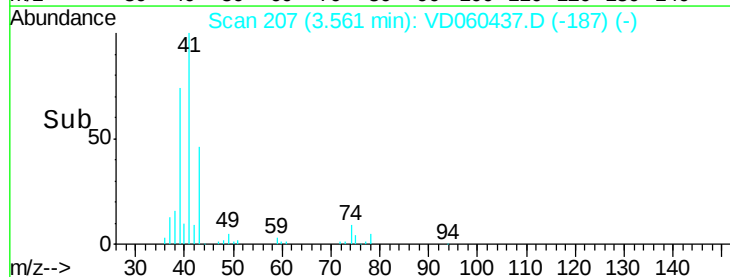
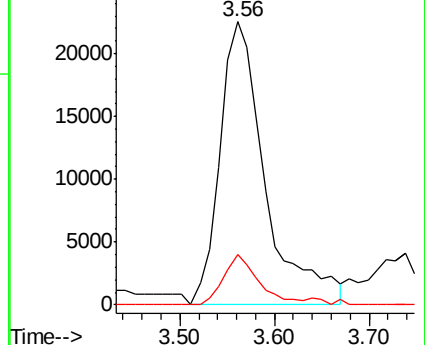
43 100

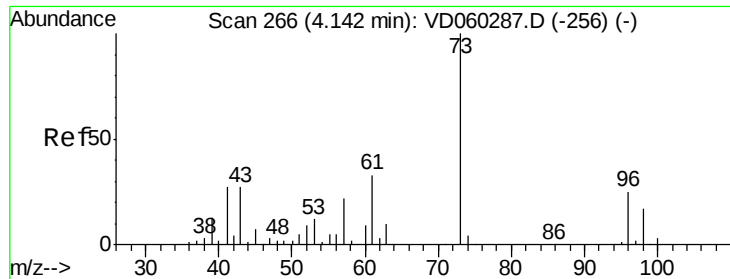
74 18.0 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

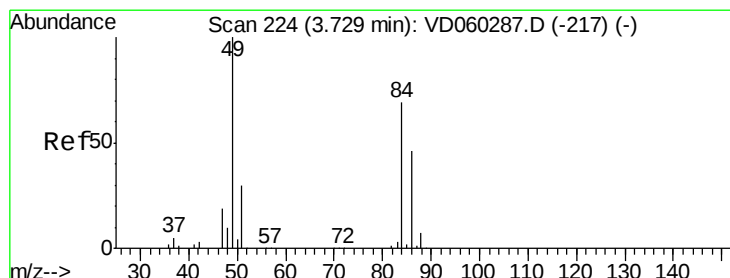
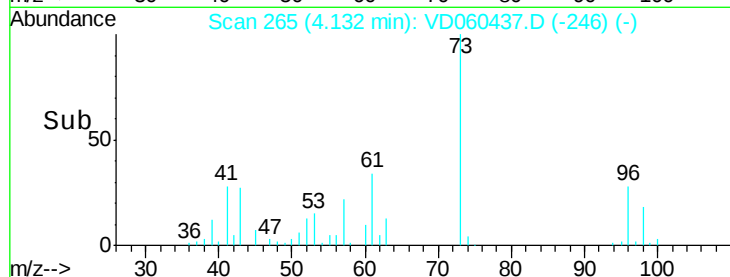
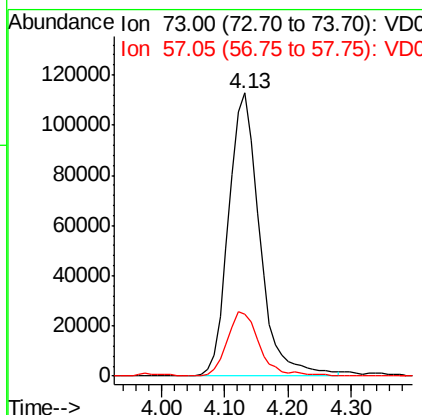
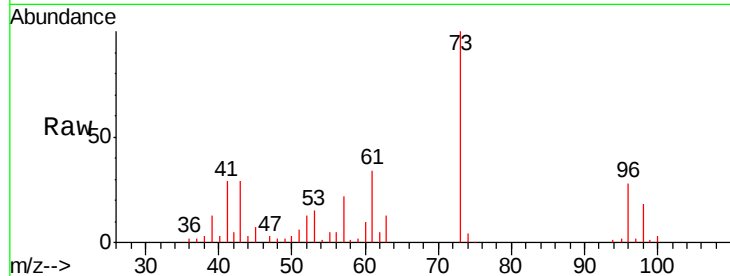




#19
Methyl tert-butyl Ether
Concen: 19.81 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

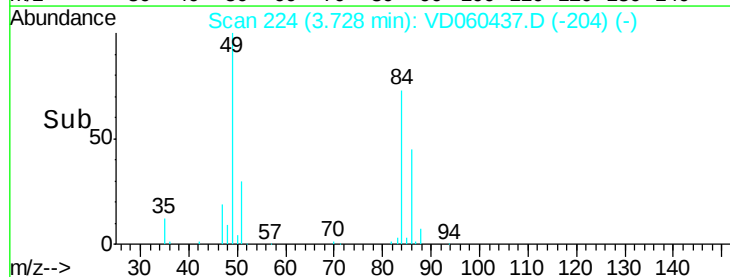
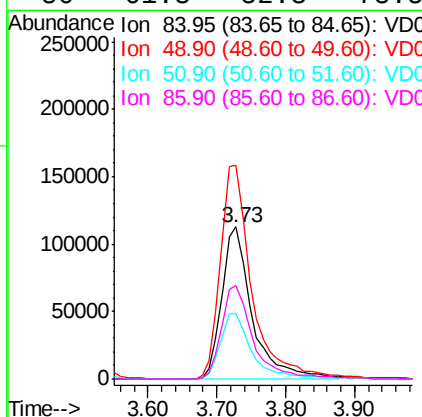
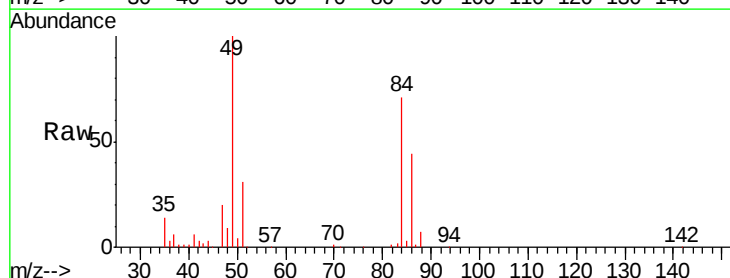
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

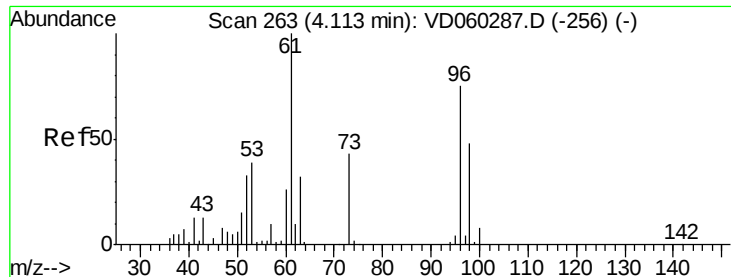
Tgt Ion: 73 Resp: 386112
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 23.39 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 84 Resp: 343747
Ion Ratio Lower Upper
84 100
49 140.5 115.6 173.4
51 43.0 35.6 53.4
86 61.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.22 ug/l

RT: 4.10 min Scan# 262

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

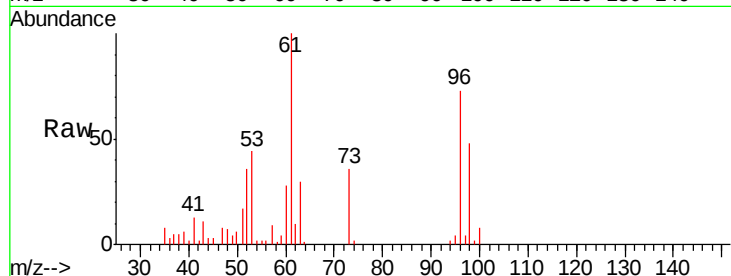
Tgt Ion: 96 Resp: 292198

Ion Ratio Lower Upper

96 100

61 136.9 105.8 158.6

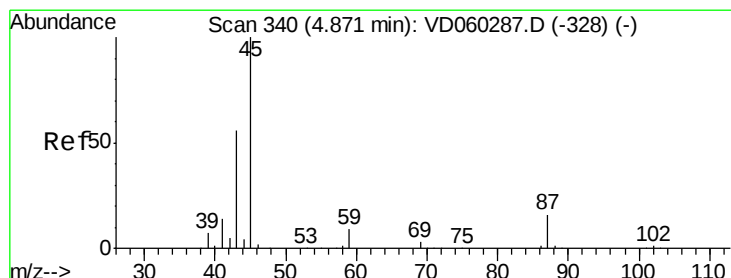
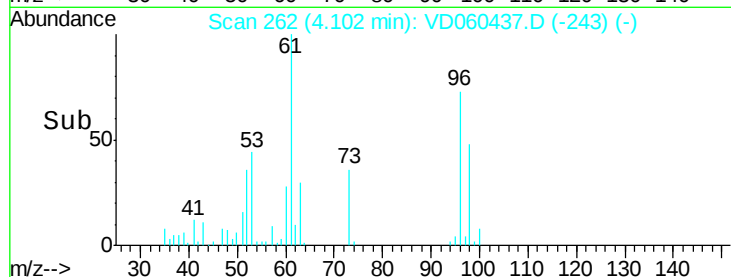
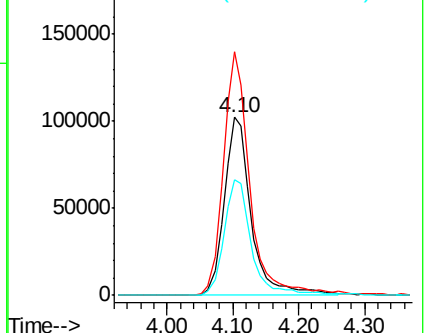
98 65.2 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.16 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Tgt Ion: 45 Resp: 937899

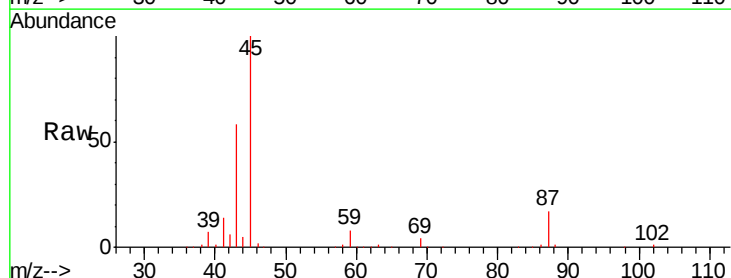
Ion Ratio Lower Upper

45 100

43 57.7 44.9 67.3

87 16.8 13.9 20.9

59 8.3 7.0 10.6

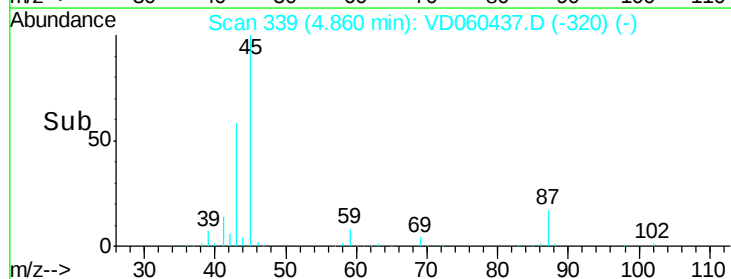
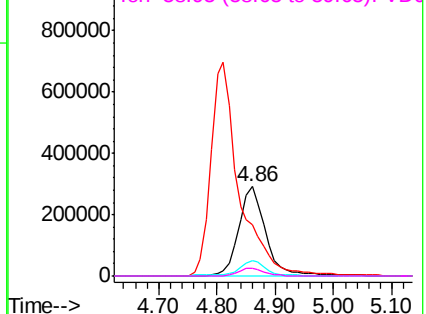


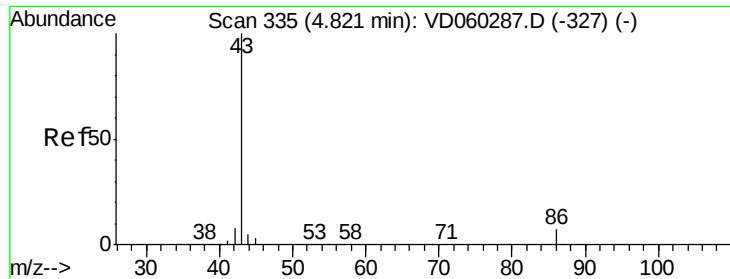
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 101.01 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

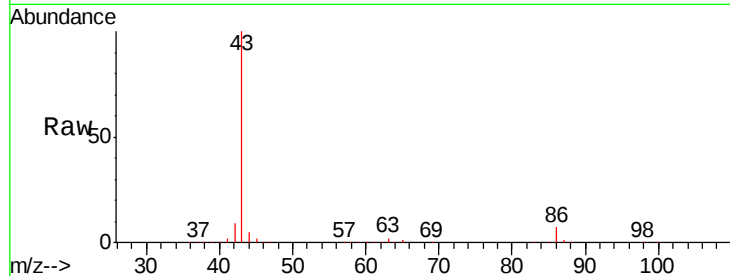
VD1121SBSD01

Tgt Ion: 43 Resp: 2338775

Ion Ratio Lower Upper

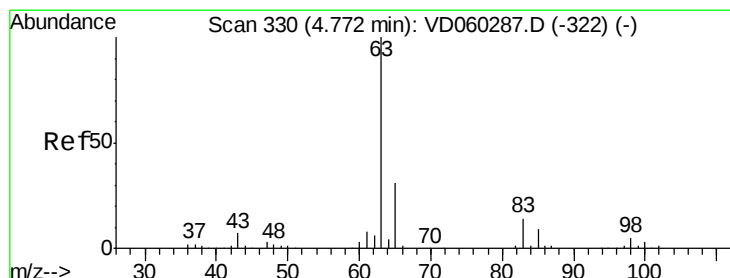
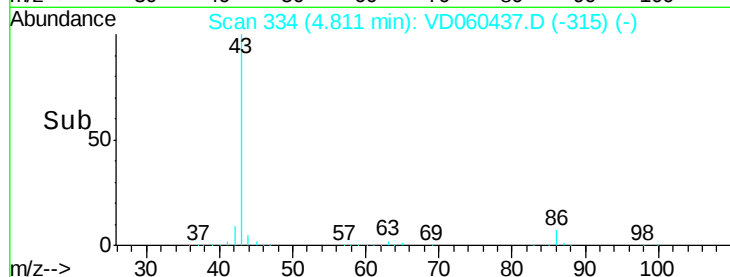
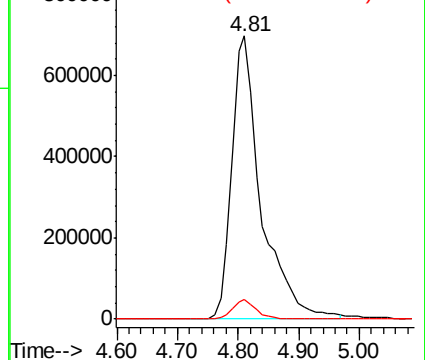
43 100

86 6.8 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.60 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

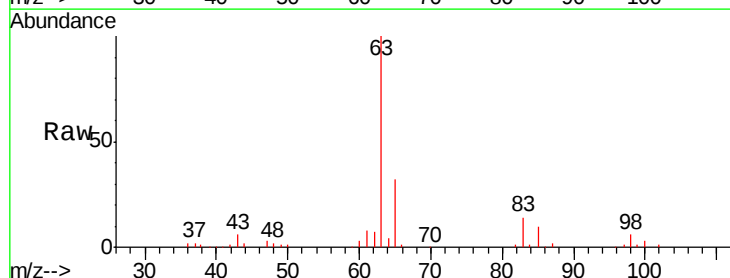
Tgt Ion: 63 Resp: 491416

Ion Ratio Lower Upper

63 100

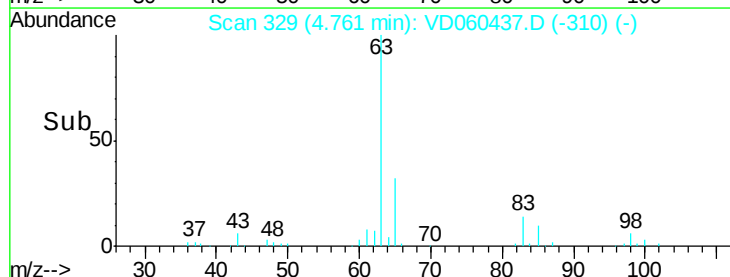
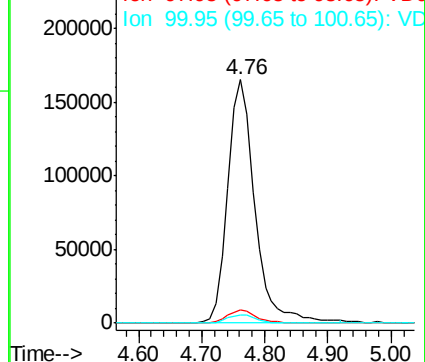
98 5.5 2.8 8.4

100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC





#25

2-Butanone

Concen: 97.64 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

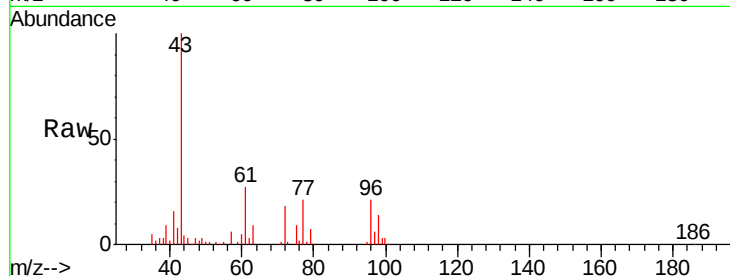
VD1121SBS01

Tgt Ion: 43 Resp: 336259

Ion Ratio Lower Upper

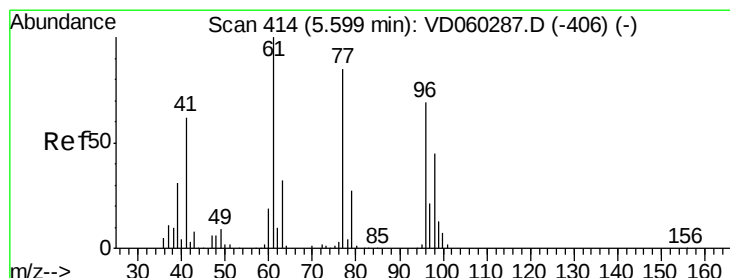
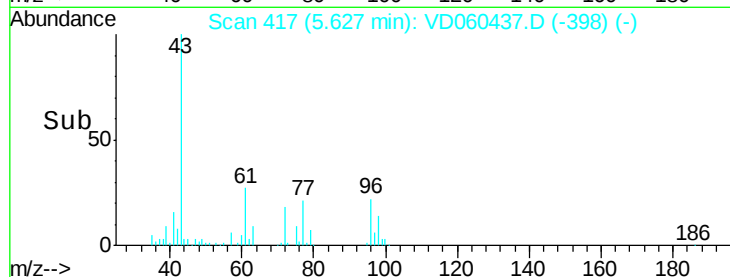
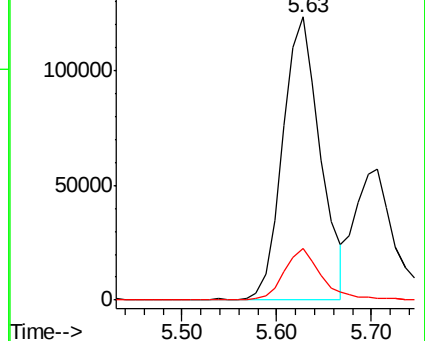
43 100

72 18.1 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.93 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060437.D

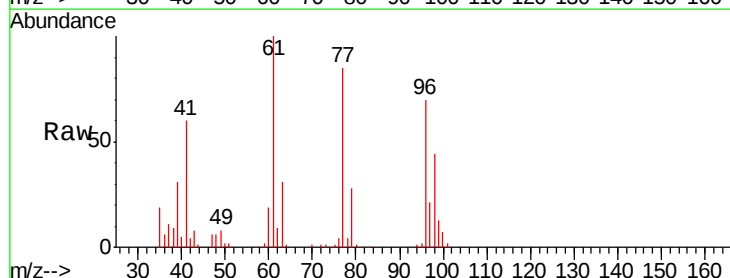
Acq: 21 Nov 2018 12:44

Tgt Ion: 77 Resp: 388239

Ion Ratio Lower Upper

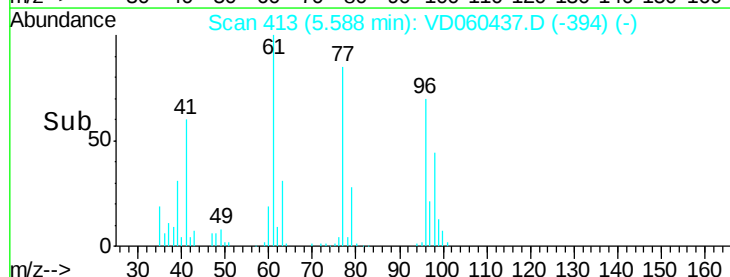
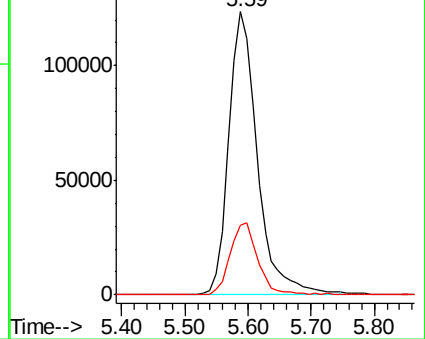
77 100

97 24.7 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 20.85 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBSD01

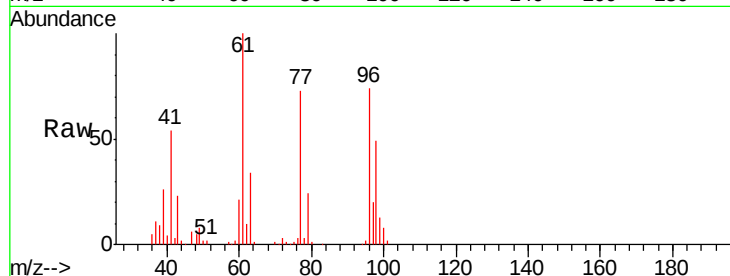
Tgt Ion: 96 Resp: 313852

Ion Ratio Lower Upper

96 100

61 135.2 0.0 259.0

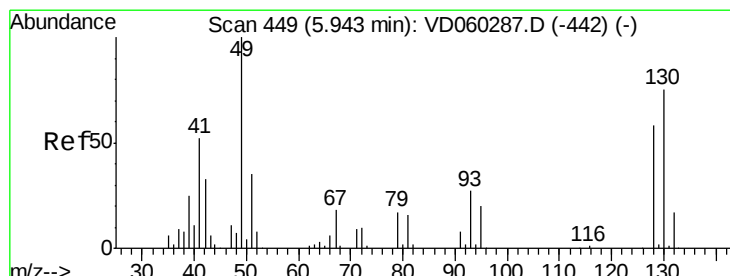
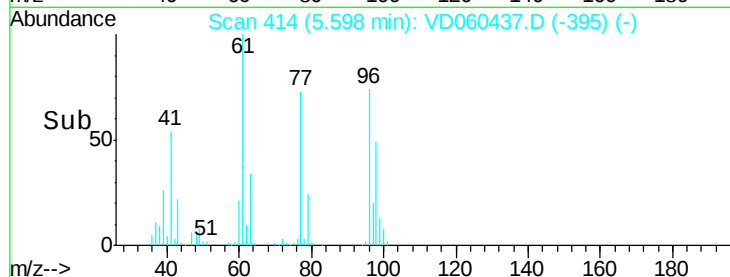
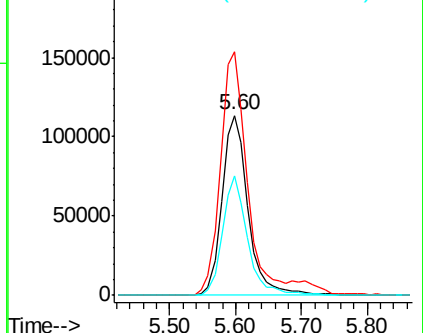
98 66.6 0.0 128.8



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: 19.89 ug/l

RT: 5.92 min Scan# 447

Delta R.T. -0.02 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

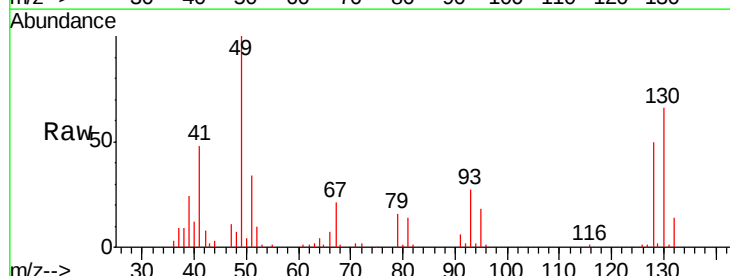
Tgt Ion: 49 Resp: 209444

Ion Ratio Lower Upper

49 100

129 2.0 0.0 2.8

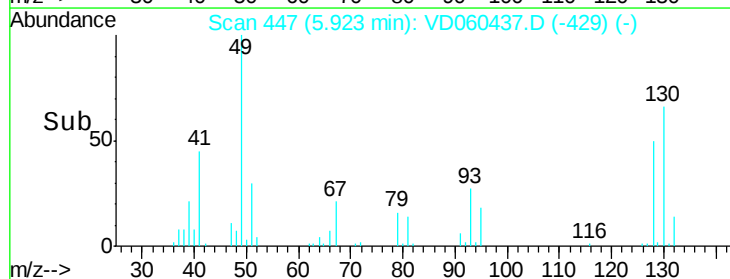
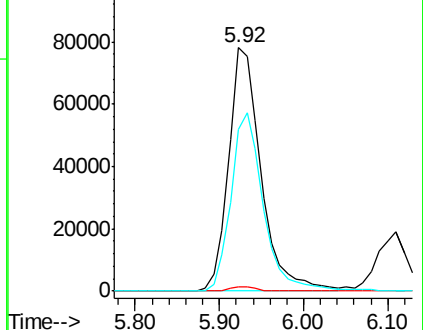
130 66.4 53.6 80.4



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

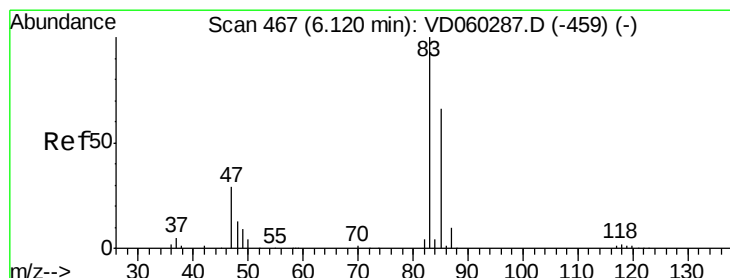
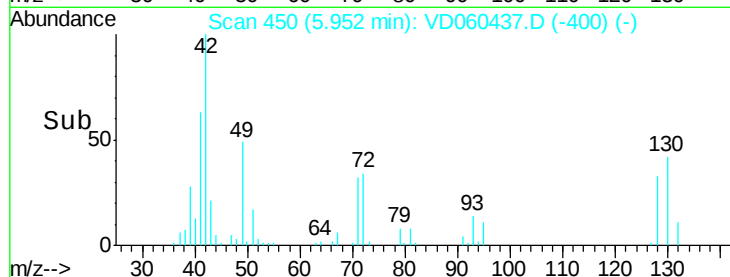
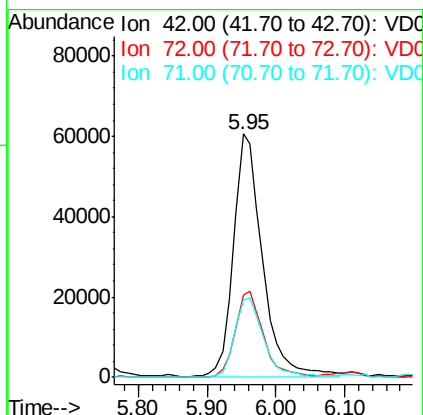
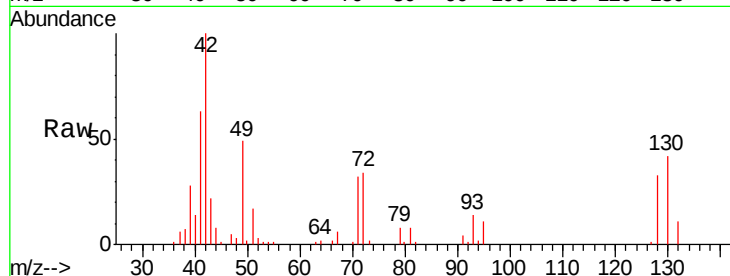




#29
Tetrahydrofuran
Concen: 97.94 ug/l
RT: 5.95 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

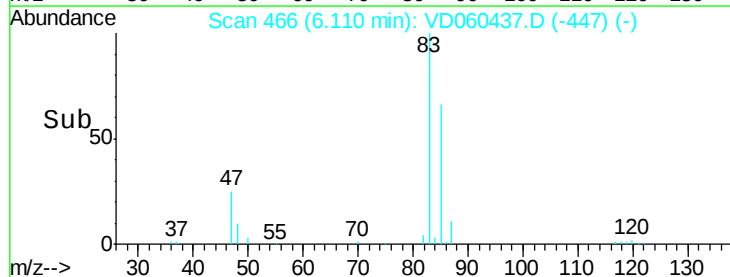
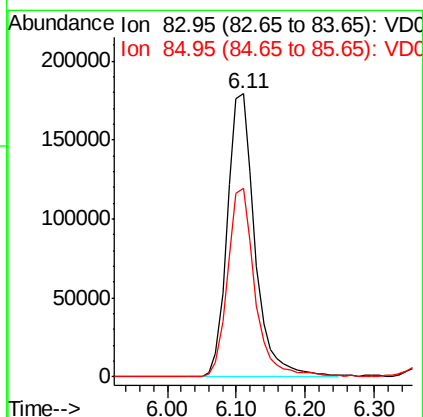
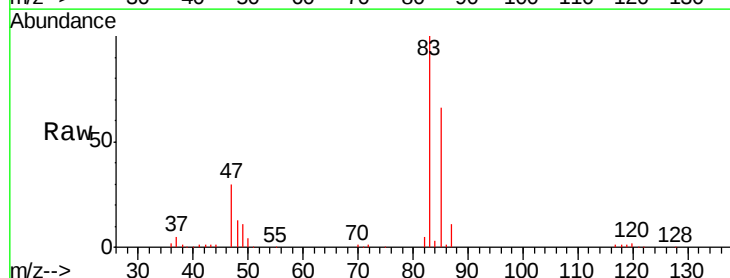
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

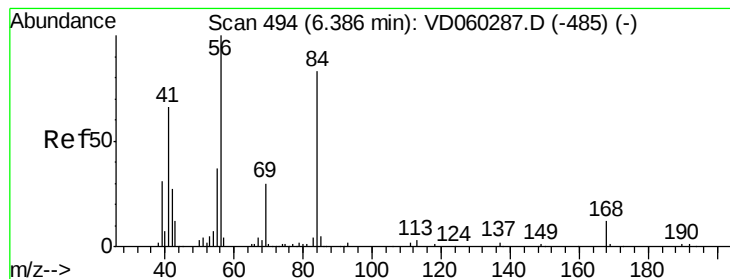
Tgt Ion: 42 Resp: 177831
Ion Ratio Lower Upper
42 100
72 33.8 27.6 41.4
71 32.6 26.5 39.7



#30
Chloroform
Concen: 20.86 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 83 Resp: 497538
Ion Ratio Lower Upper
83 100
85 66.5 52.5 78.7





#31

Cyclohexane

Concen: 19.96 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBSD01

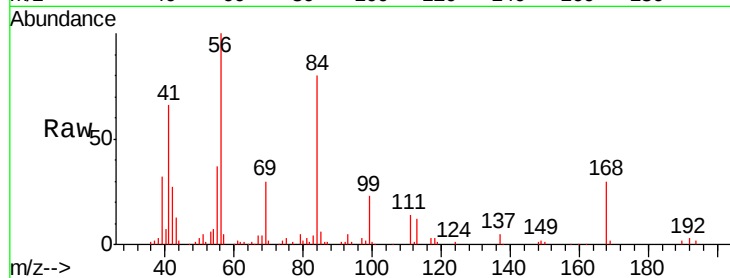
Tgt Ion: 56 Resp: 455196

Ion Ratio Lower Upper

56 100

69 29.9 22.2 33.2

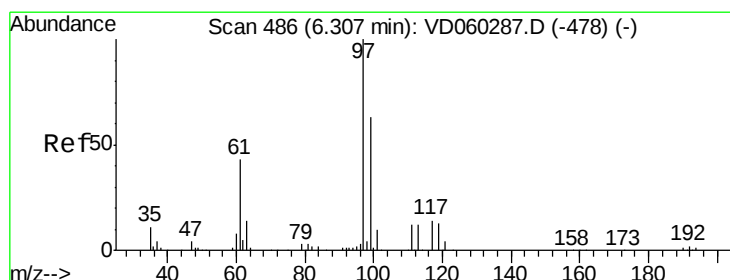
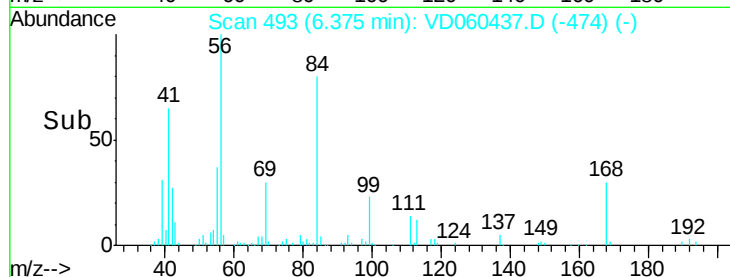
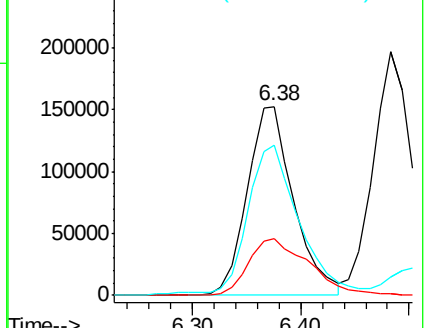
84 79.7 63.0 94.4



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: 20.85 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

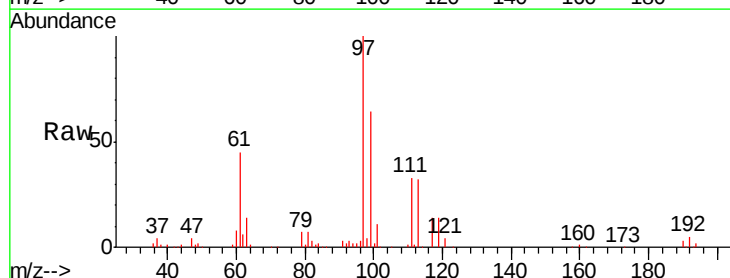
Tgt Ion: 97 Resp: 419026

Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

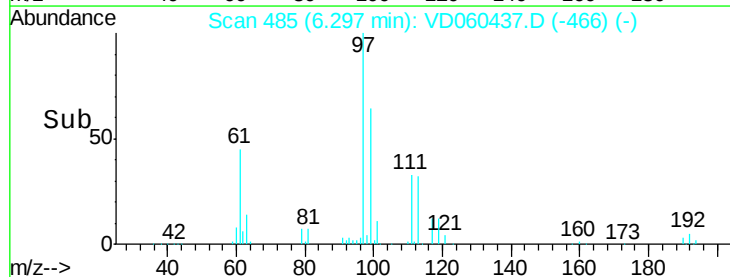
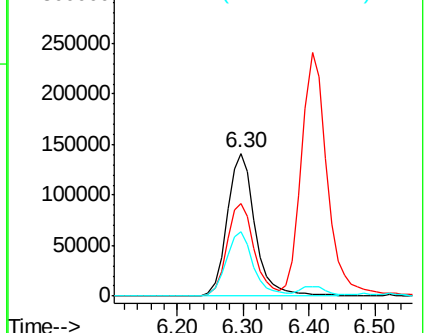
61 45.1 35.8 53.8

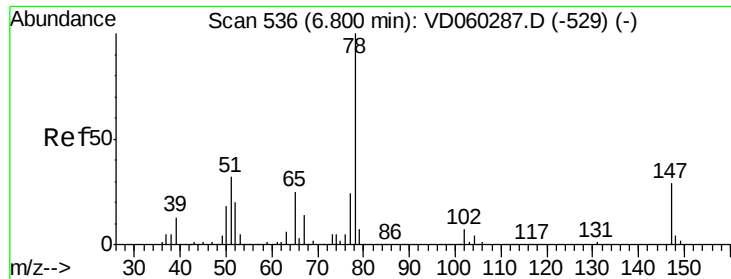


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

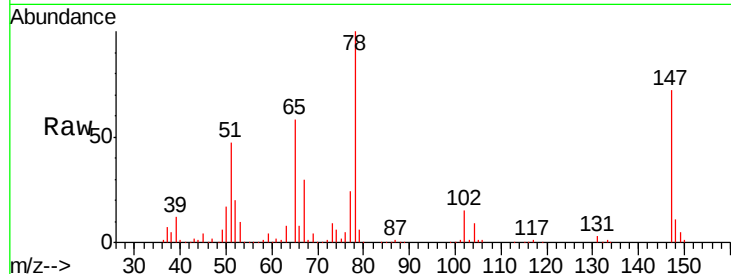




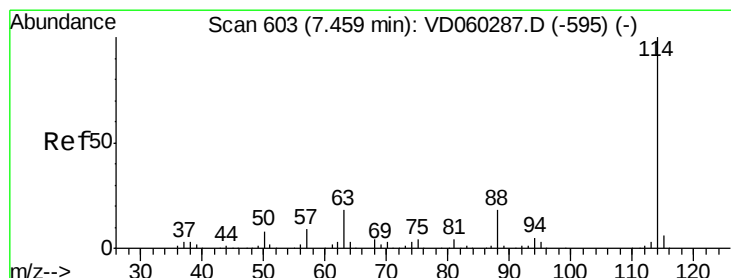
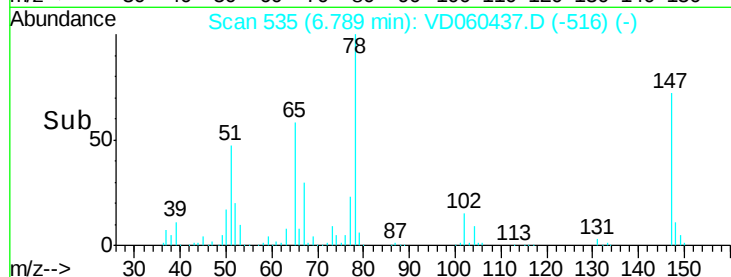
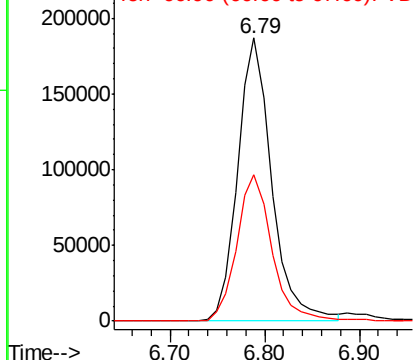
#33
 1,2-Dichloroethane-d4
 Concen: 20.85 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

Tgt Ion: 65 Resp: 466172
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 109.8

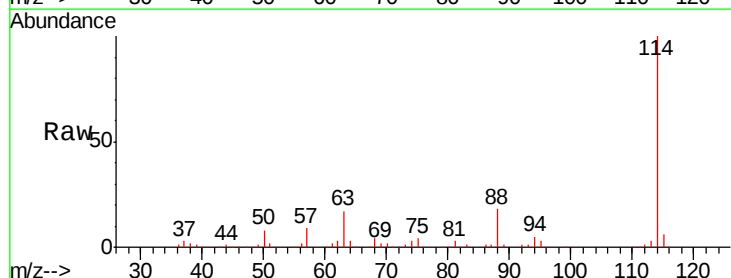


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

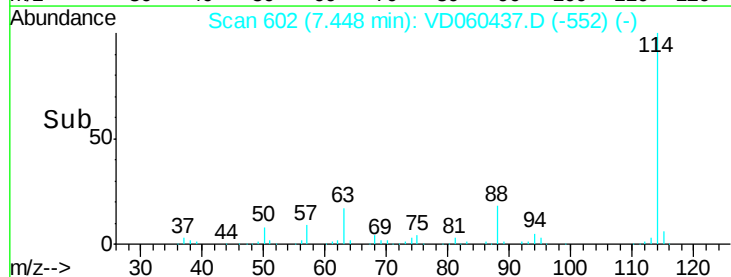
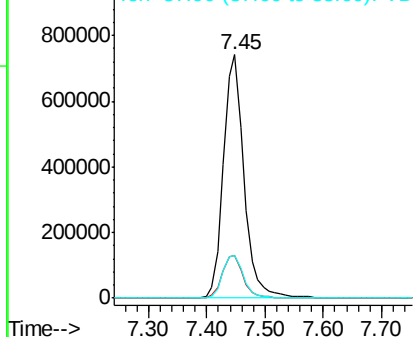


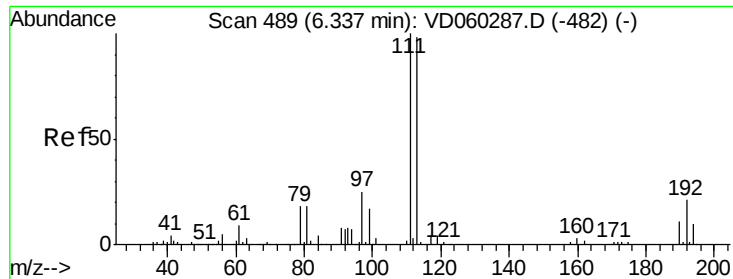
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion: 114 Resp: 1818309
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 34.0
 88 17.5 0.0 35.4



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

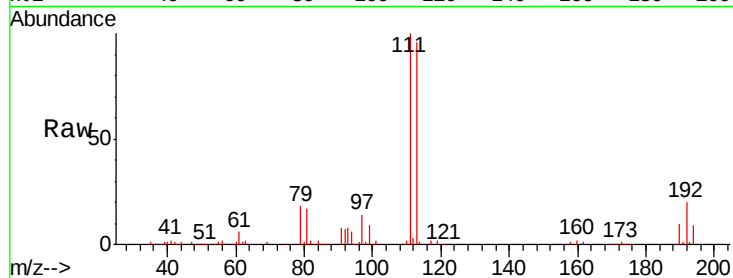




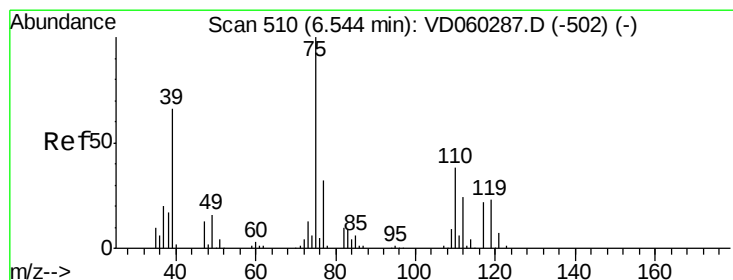
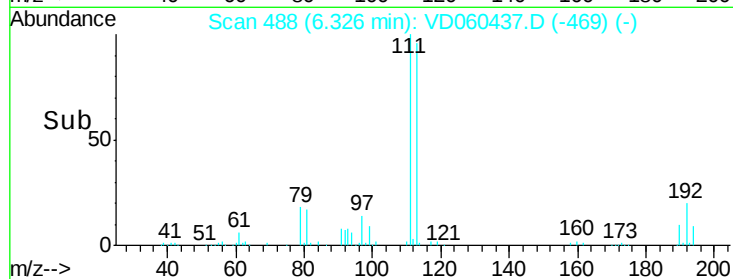
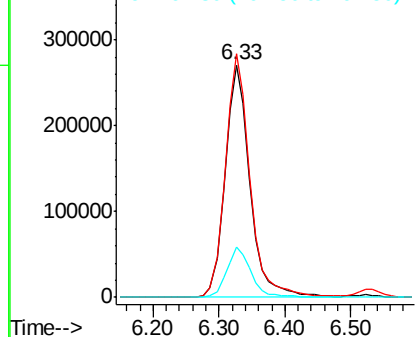
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

Tgt Ion: 113 Resp: 713439
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.6 122.4
 192 21.4 16.5 24.7

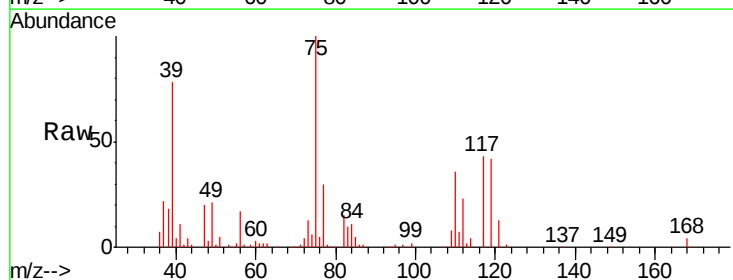


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

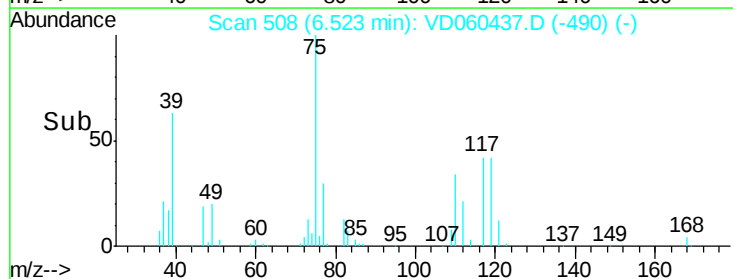
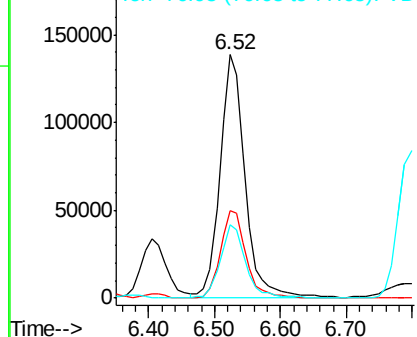


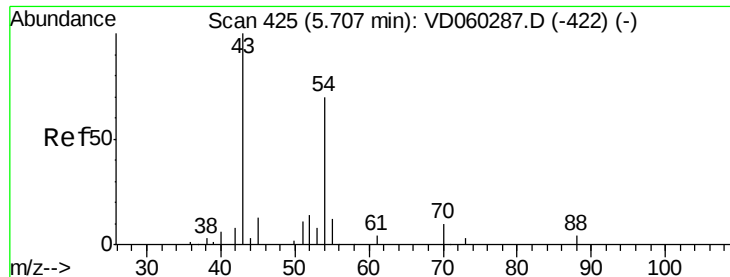
#36
 1,1-Dichloropropene
 Concen: 20.01 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion: 75 Resp: 359381
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.0 54.0
 77 30.3 25.6 38.4



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

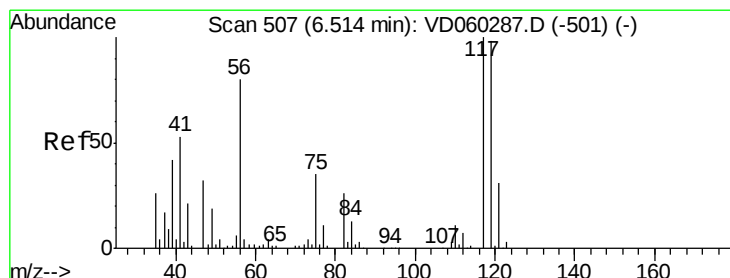
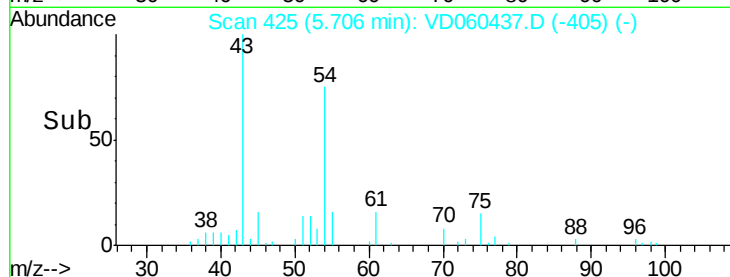
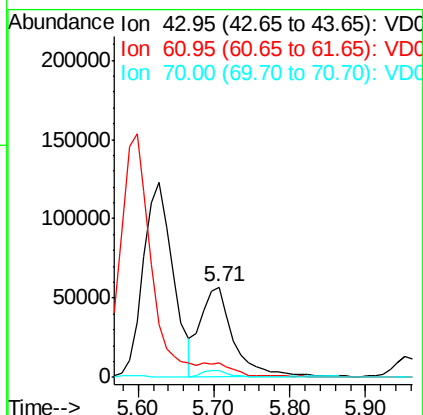
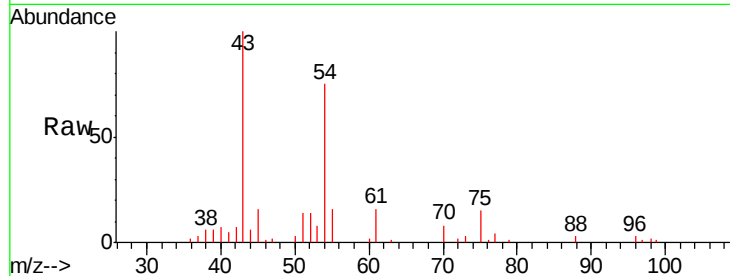




#37
 Ethyl Acetate
 Concen: 20.33 ug/l
 RT: 5.71 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

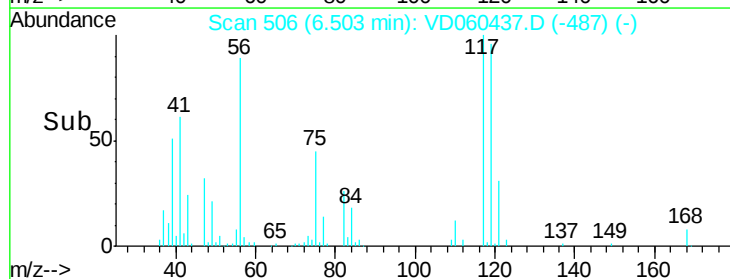
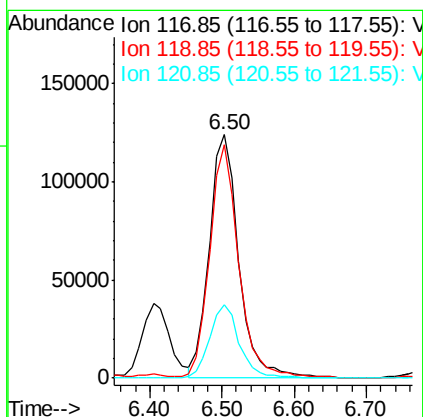
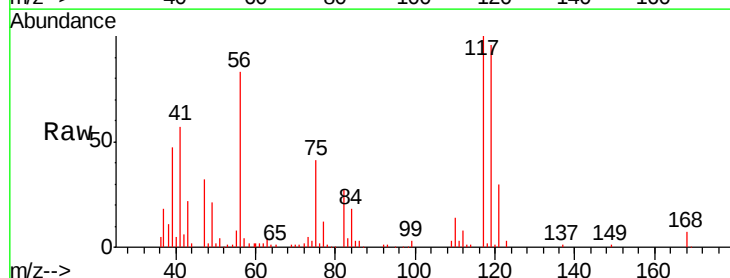
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

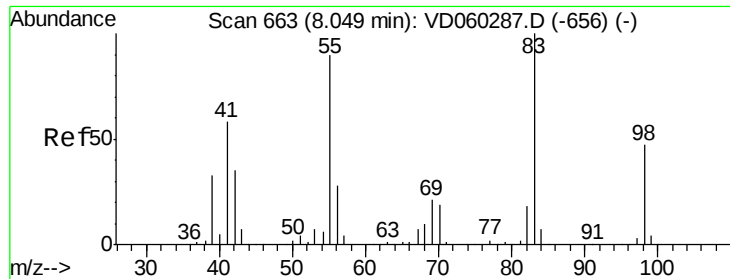
Tgt Ion: 43 Resp: 168095
 Ion Ratio Lower Upper
 43 100
 61 16.2 11.8 17.6
 70 7.8 6.2 9.4



#38
 Carbon Tetrachloride
 Concen: 20.77 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion: 117 Resp: 346102
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.6 115.0
 121 30.4 24.3 36.5

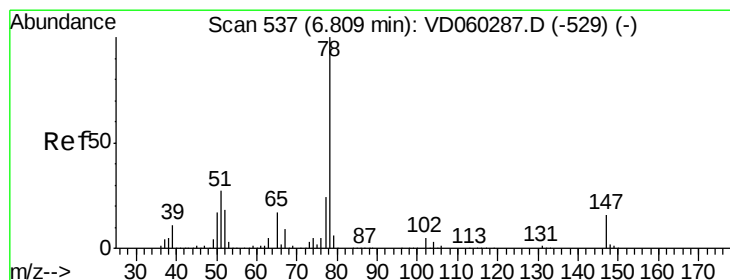
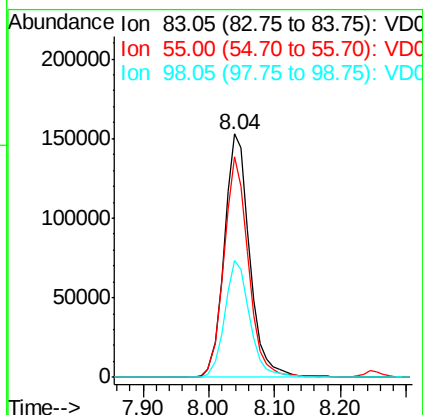
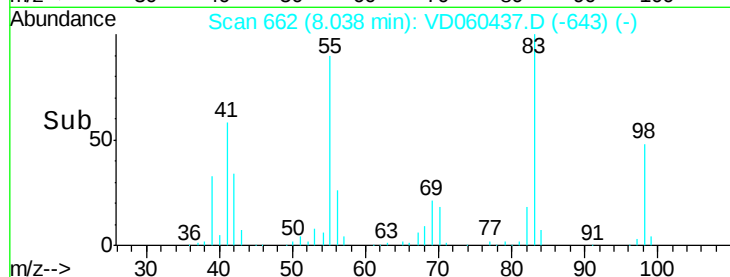
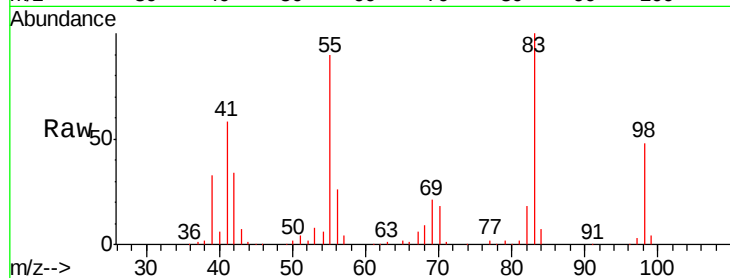




#39
Methylcyclohexane
Concen: 19.99 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

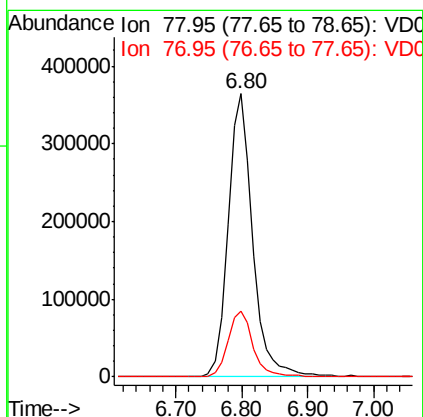
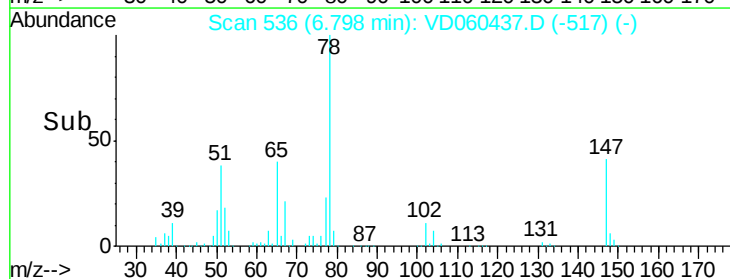
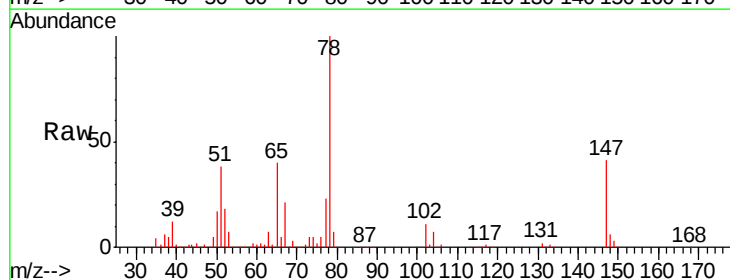
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

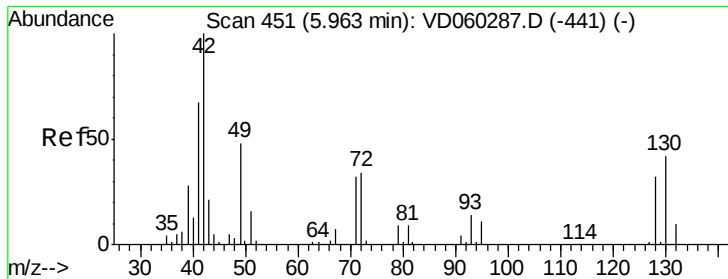
Tgt Ion: 83 Resp: 412938
Ion Ratio Lower Upper
83 100
55 90.4 71.2 106.8
98 47.8 38.4 57.6



#40
Benzene
Concen: 20.68 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 78 Resp: 948151
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2





#41

Methacrylonitrile

Concen: 20.13 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBSD01

Tgt Ion: 41 Resp: 190456

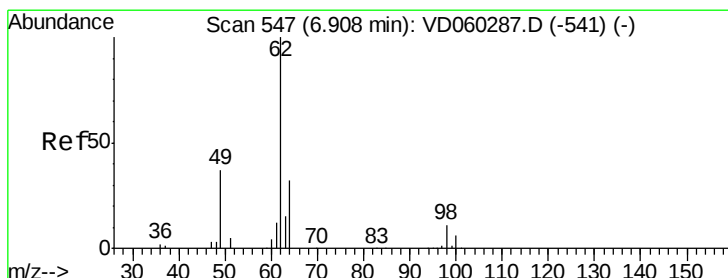
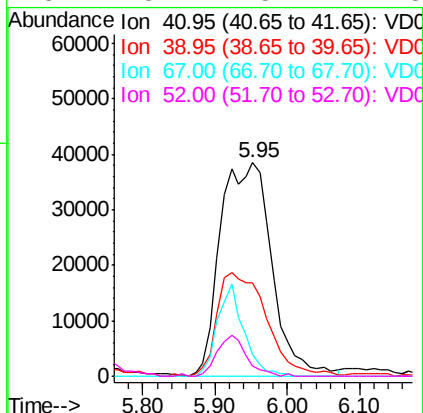
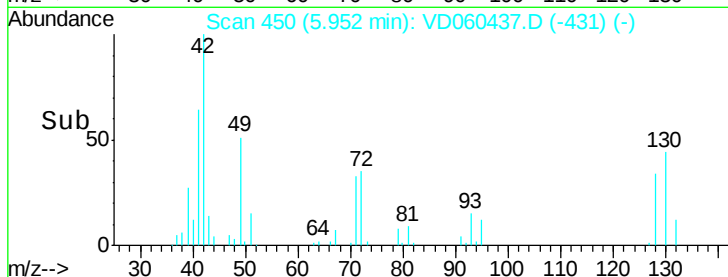
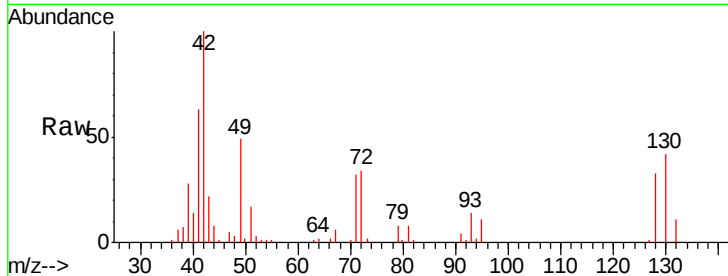
Ion Ratio Lower Upper

41 100

39 44.0 36.2 54.2

67 10.2 11.9 17.9#

52 5.1 5.2 7.8#



#42

1,2-Dichloroethane

Concen: 20.73 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060437.D

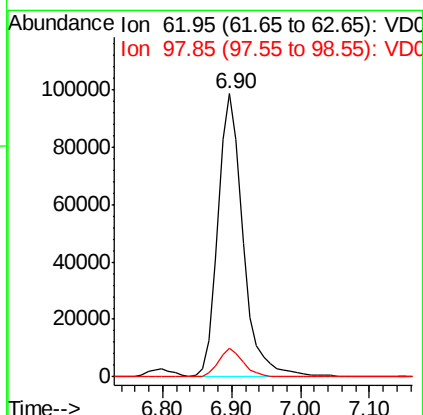
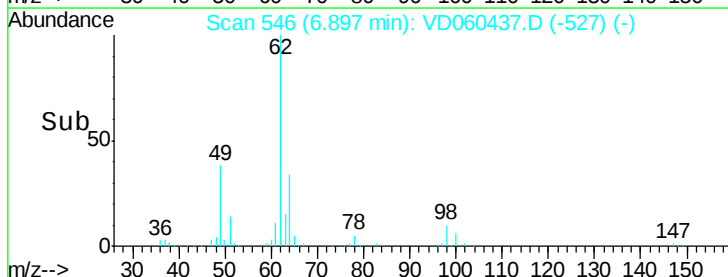
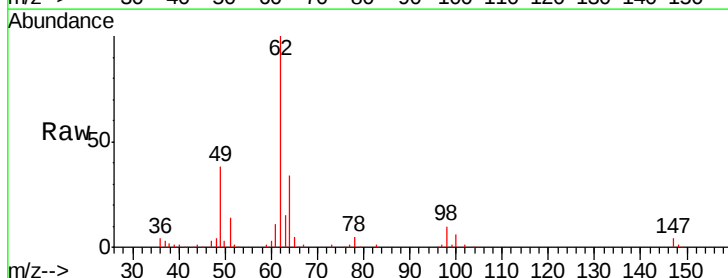
Acq: 21 Nov 2018 12:44

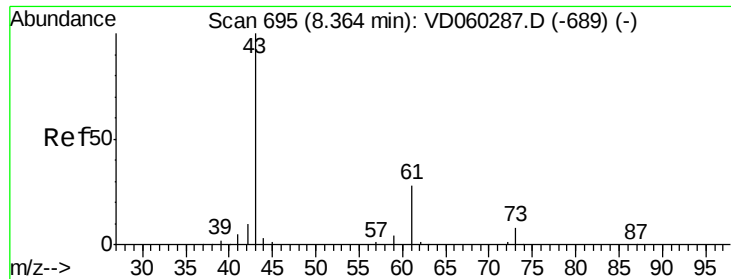
Tgt Ion: 62 Resp: 248765

Ion Ratio Lower Upper

62 100

98 10.1 0.0 22.0





#43

Isopropyl Acetate

Concen: 19.40 ug/l

RT: 8.35 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

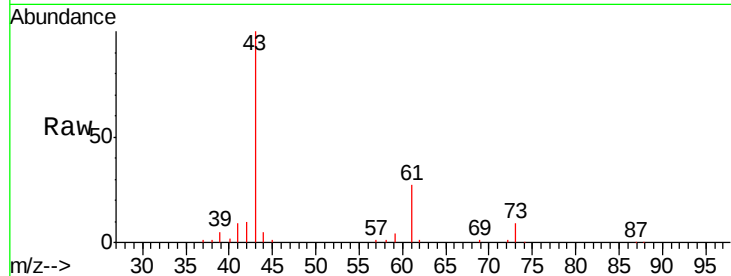
Tgt Ion: 43 Resp: 201456

Ion Ratio Lower Upper

43 100

61 26.9 22.3 33.5

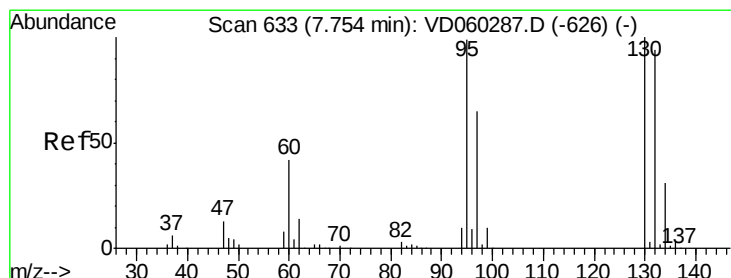
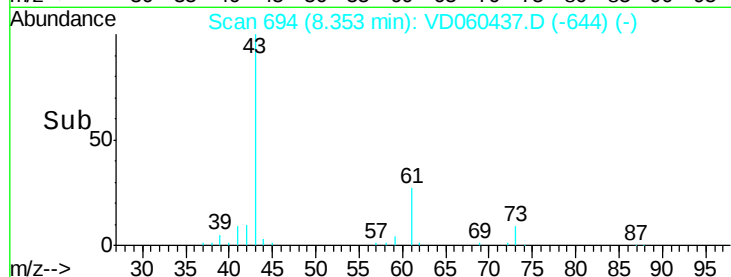
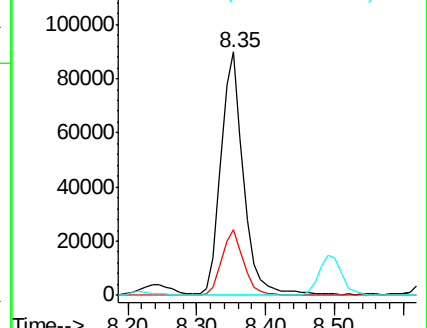
87 0.4 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.34 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060437.D

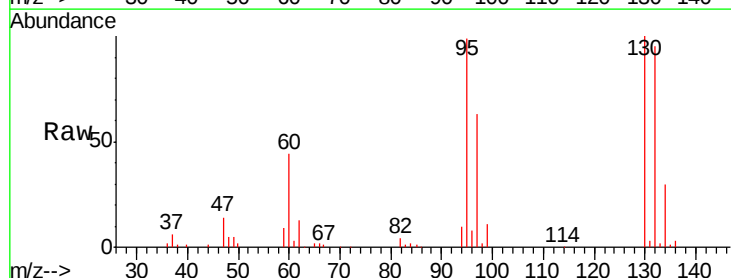
Acq: 21 Nov 2018 12:44

Tgt Ion: 130 Resp: 296685

Ion Ratio Lower Upper

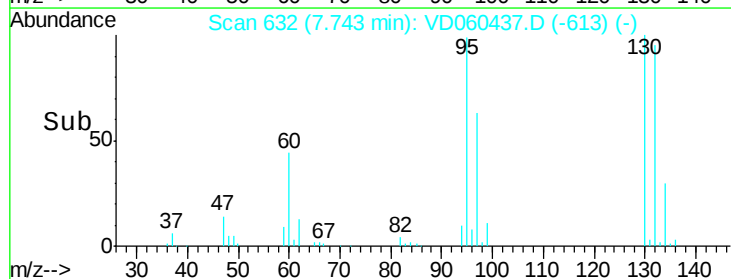
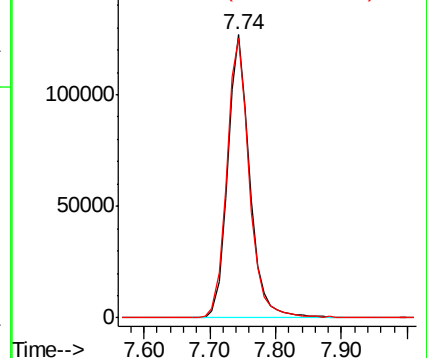
130 100

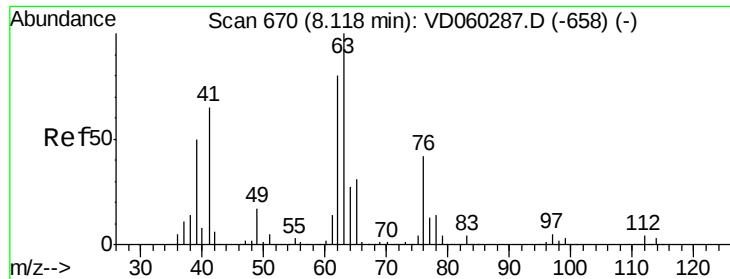
95 98.6 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

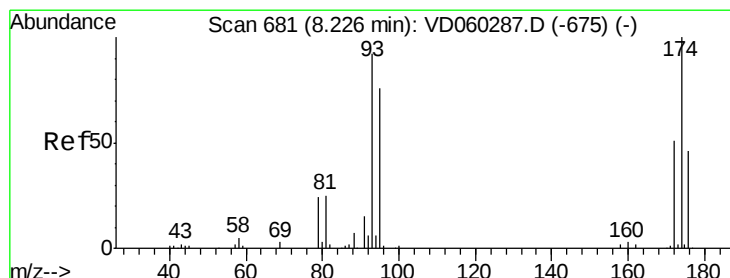
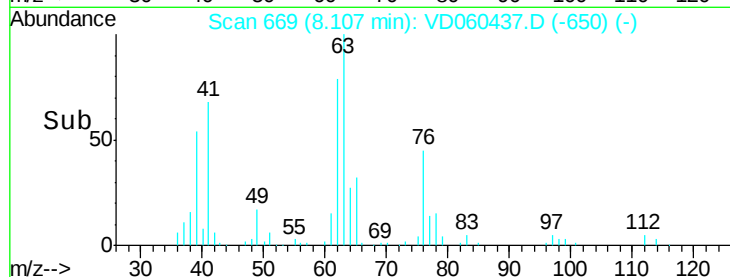
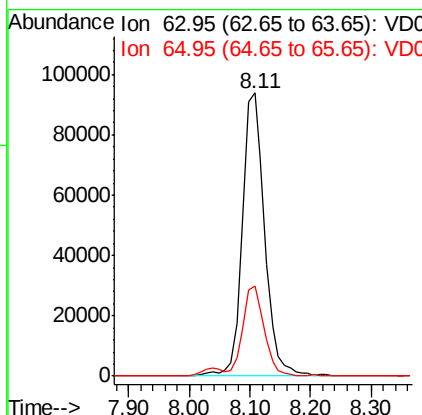
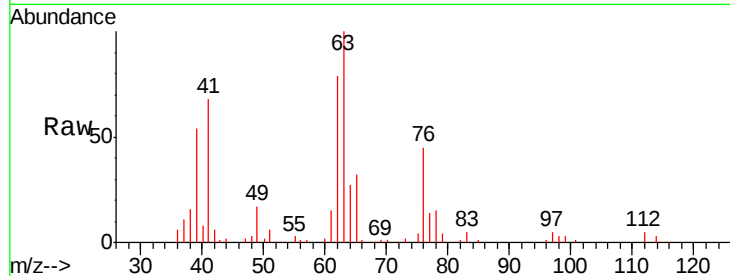




#45
 1,2-Dichloropropane
 Concen: 20.66 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

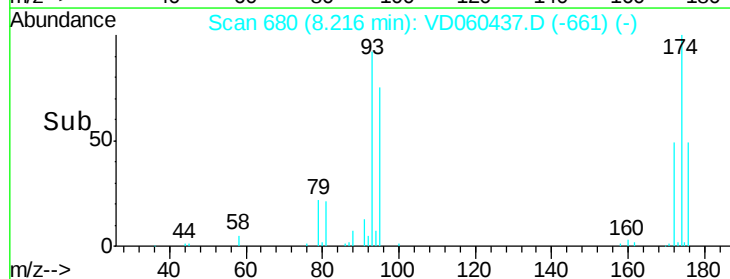
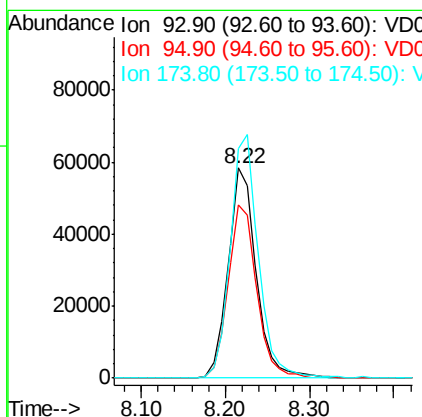
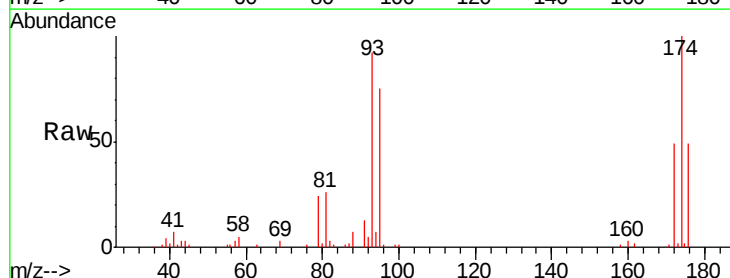
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

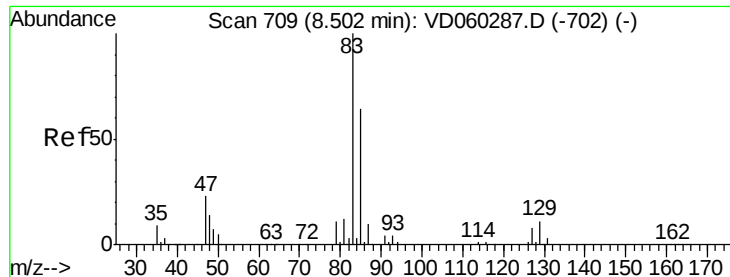
Tgt Ion: 63 Resp: 238917
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.4 35.2



#46
 Dibromomethane
 Concen: 19.95 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion: 93 Resp: 135110
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.4 99.6
 174 109.2 87.8 131.8





#47

Bromodichloromethane

Concen: 20.60 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBSD01

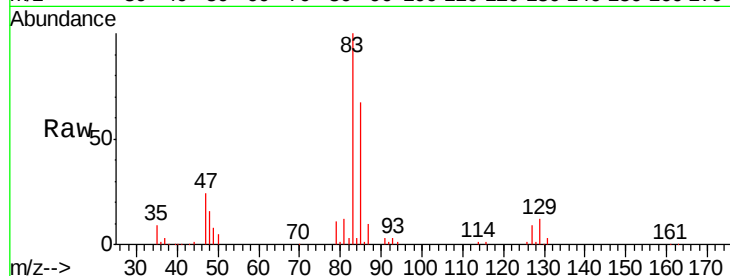
Tgt Ion: 83 Resp: 328724

Ion Ratio Lower Upper

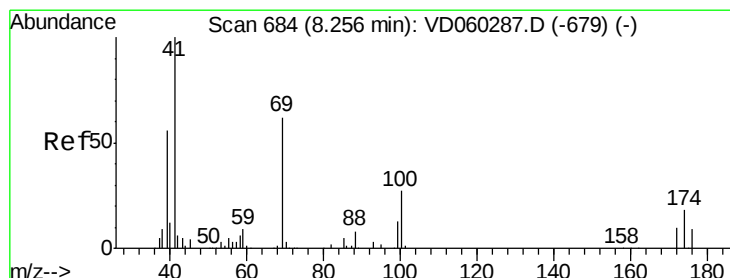
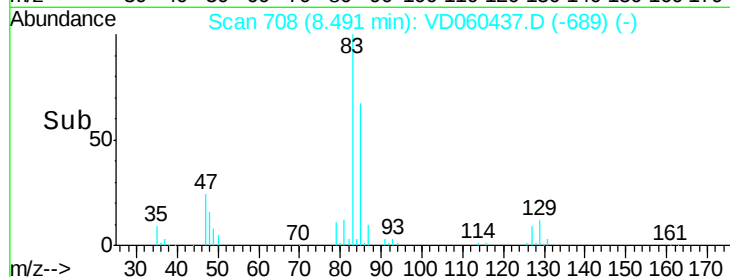
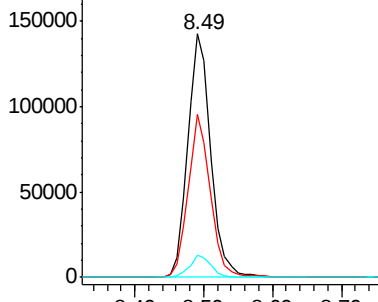
83 100

85 66.7 51.0 76.6

127 8.9 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: 20.26 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

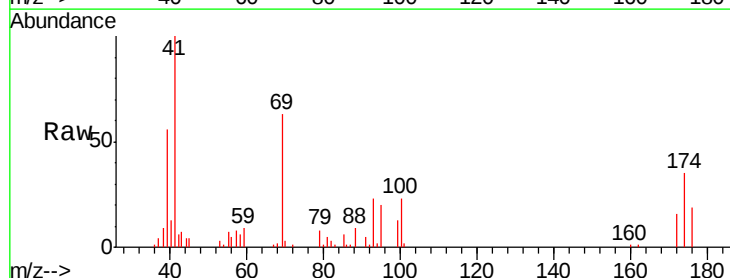
Tgt Ion: 41 Resp: 127795

Ion Ratio Lower Upper

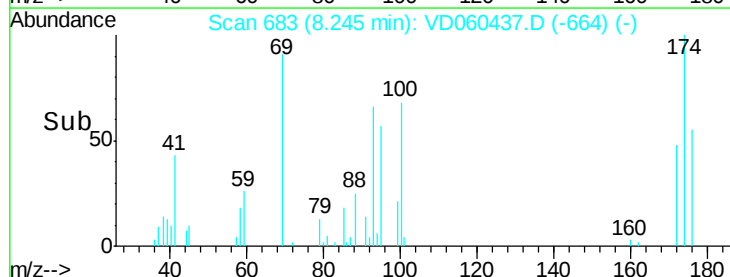
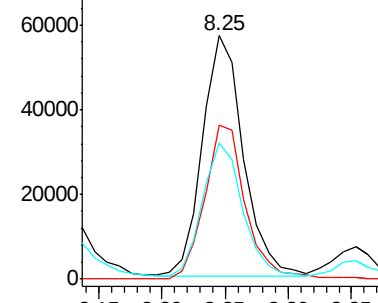
41 100

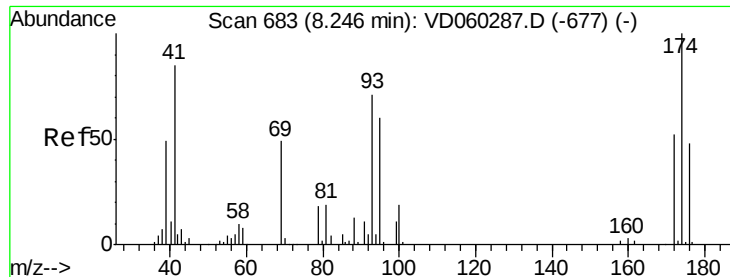
69 63.3 47.0 70.4

39 55.7 46.2 69.4



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

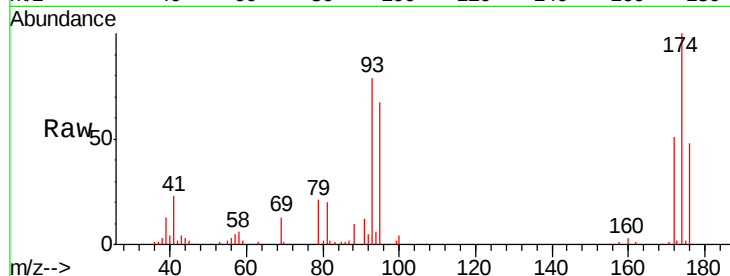




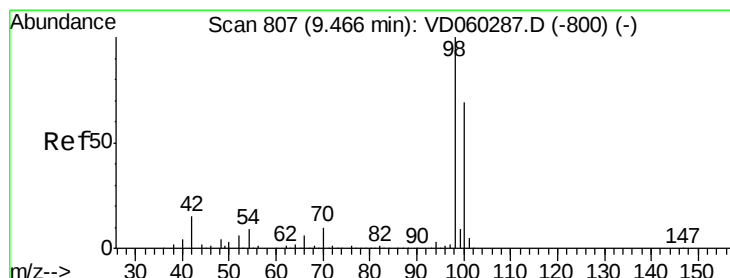
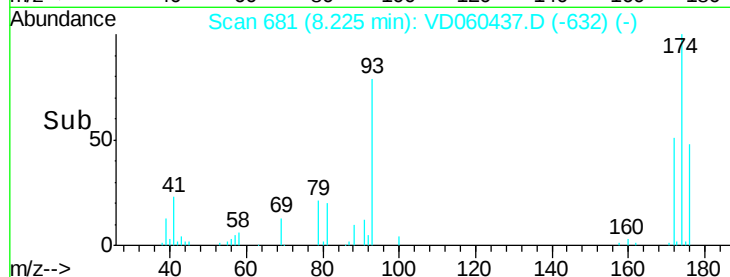
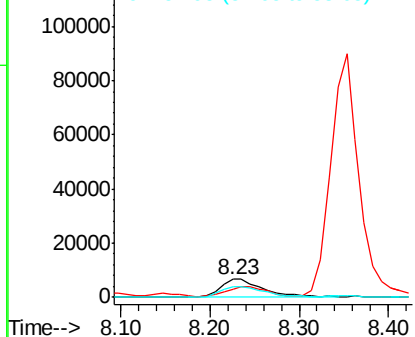
#49
1,4-Dioxane
Concen: 411.88 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.02 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

Tgt Ion: 88 Resp: 22477
Ion Ratio Lower Upper
88 100
43 42.3 39.7 59.5
58 56.5 60.2 90.2#

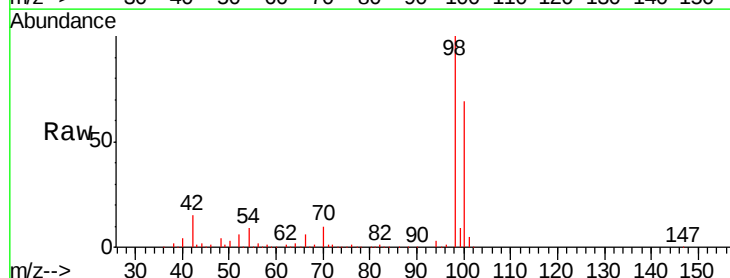


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

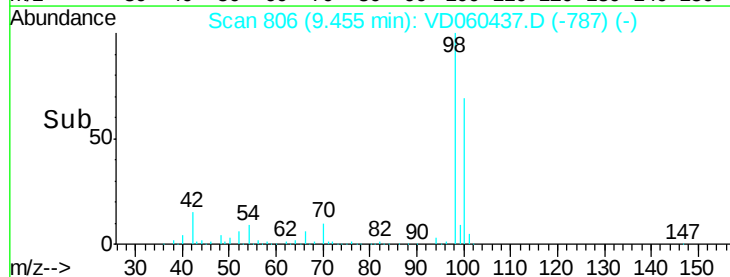
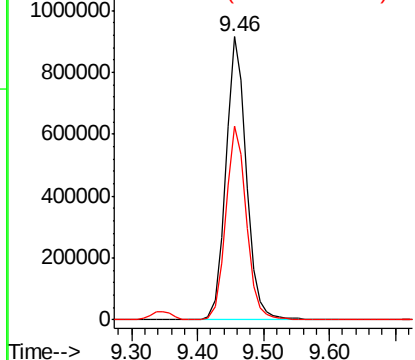


#50
Toluene-d8
Concen: 411.88 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 98 Resp: 1998397
Ion Ratio Lower Upper
98 100
100 68.6 55.2 82.8



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: 99.18 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

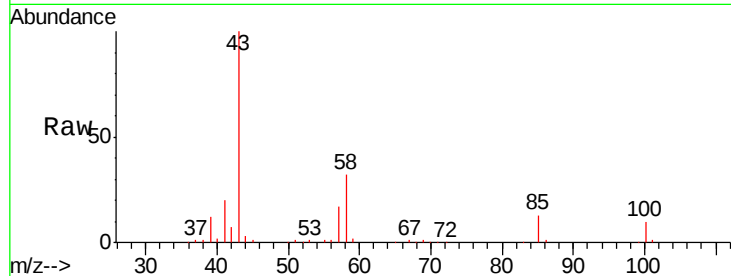
VD1121SBS01

Tgt Ion: 43 Resp: 670279

Ion Ratio Lower Upper

43 100

58 32.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

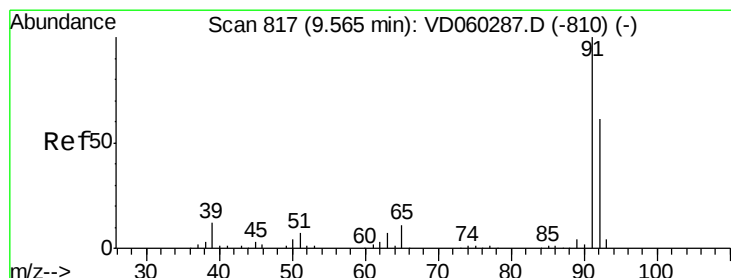
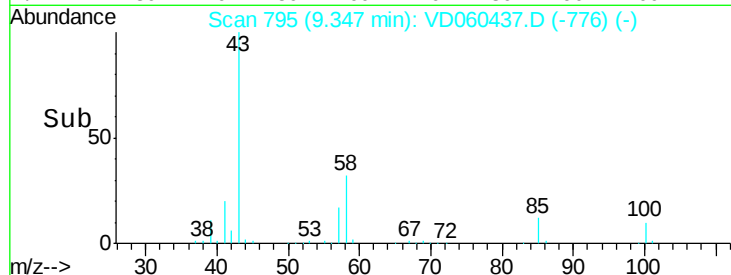
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.19 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060437.D

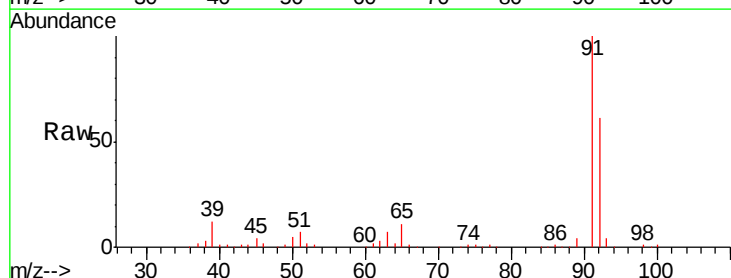
Acq: 21 Nov 2018 12:44

Tgt Ion: 92 Resp: 620593

Ion Ratio Lower Upper

92 100

91 164.9 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

500000

400000

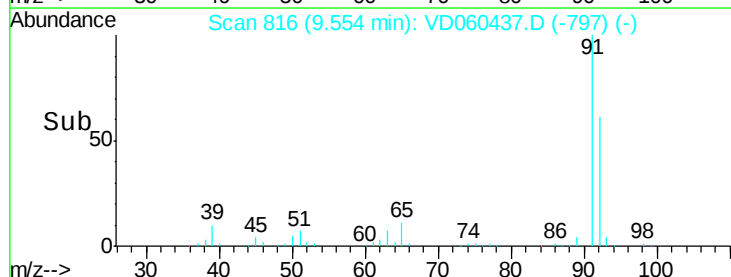
300000

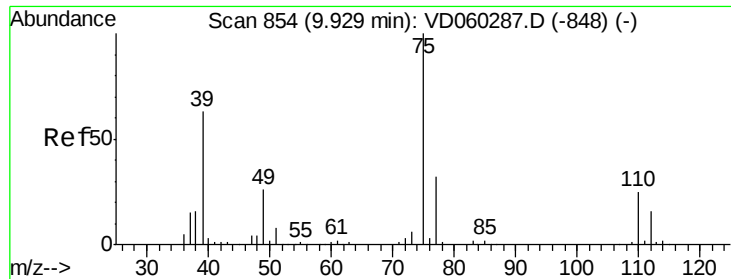
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.99 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

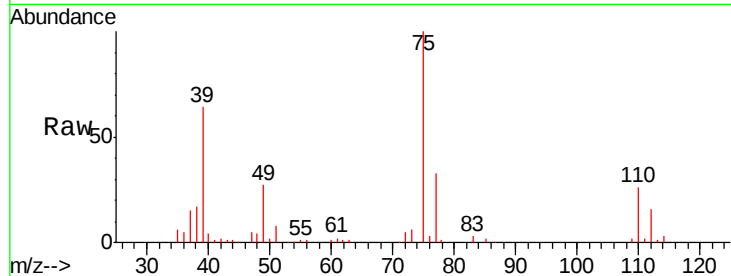
VD1121SBS01

Tgt Ion: 75 Resp: 269626

Ion Ratio Lower Upper

75 100

77 32.9 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

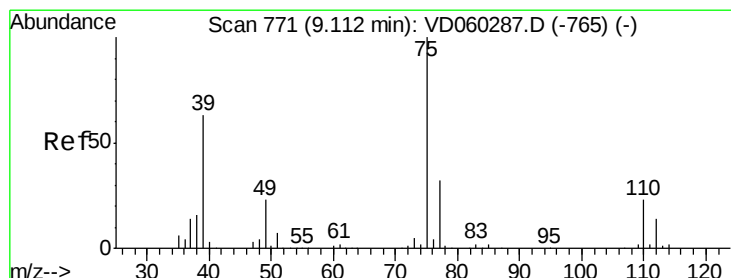
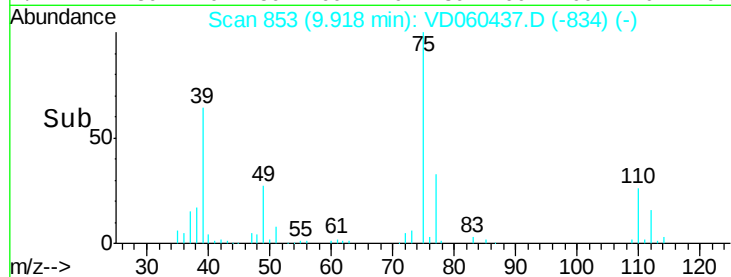
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.37 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

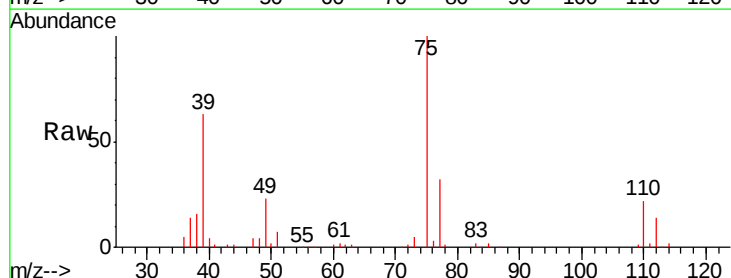
Tgt Ion: 75 Resp: 352359

Ion Ratio Lower Upper

75 100

77 32.1 26.3 39.5

39 62.9 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

200000

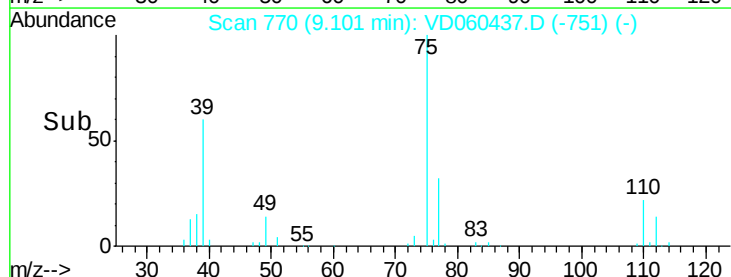
150000

100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.02 ug/l

RT: 10.18 min Scan# 880

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tgt Ion: 97 Resp: 169991

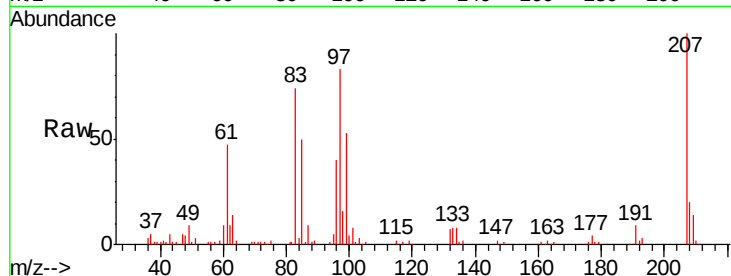
Ion Ratio Lower Upper

97 100

83 88.8 68.4 102.6

85 59.8 46.8 70.2

99 64.4 49.5 74.3

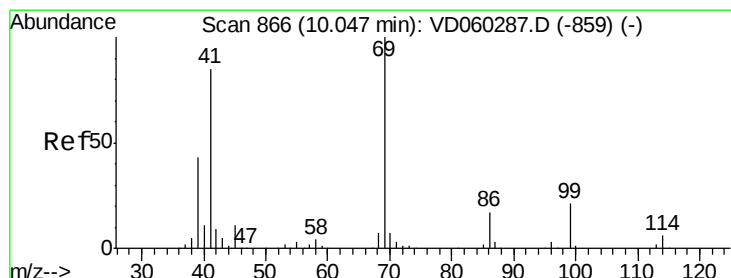
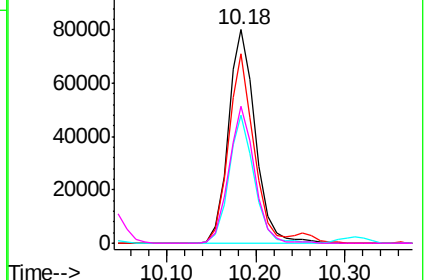
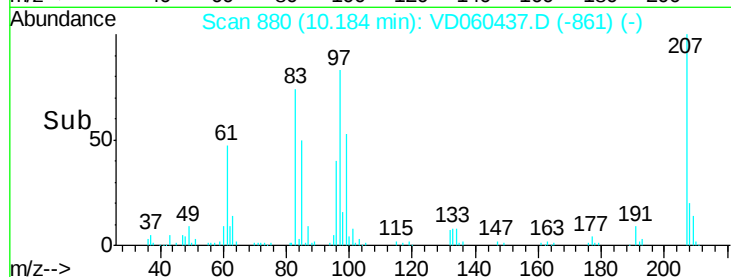


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.23 ug/l

RT: 10.04 min Scan# 865

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

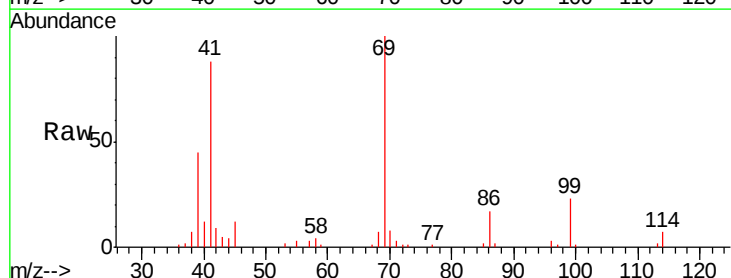
Tgt Ion: 69 Resp: 150071

Ion Ratio Lower Upper

69 100

41 88.1 69.0 103.4

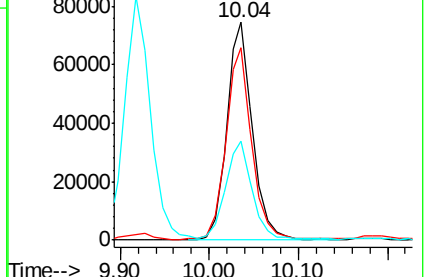
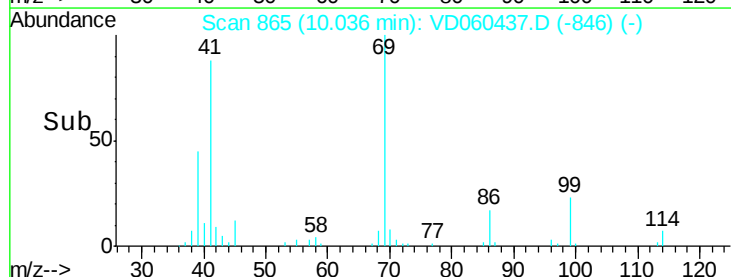
39 45.4 36.6 54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.60 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

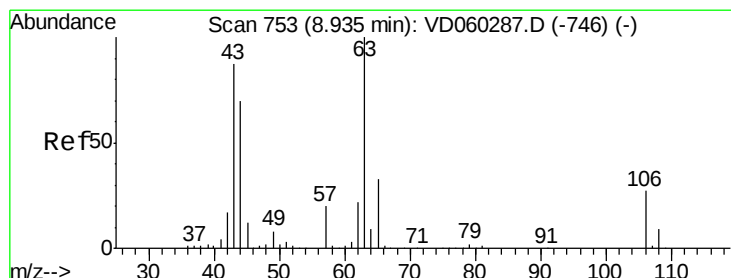
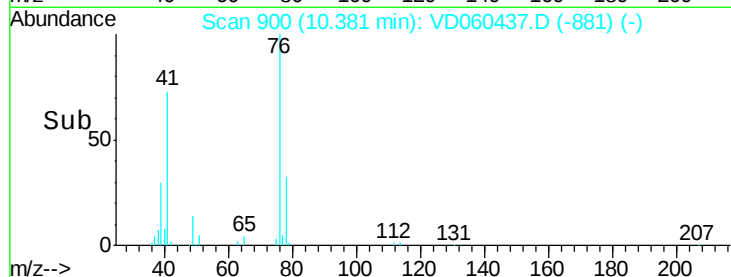
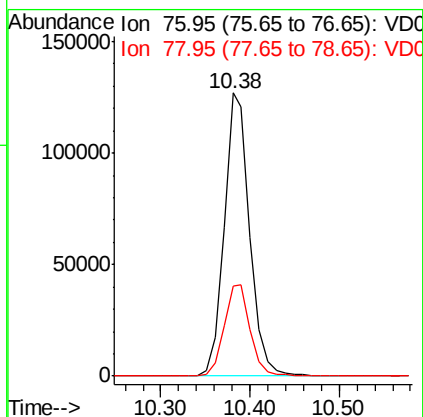
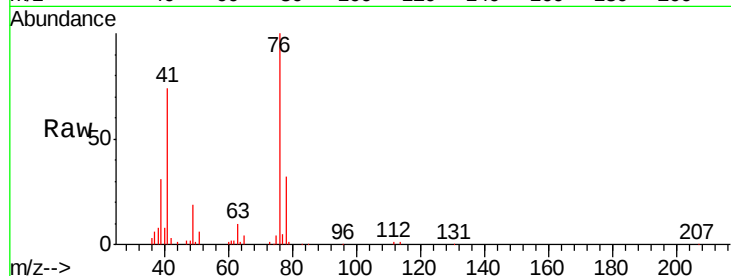
VD1121SBSD01

Tgt Ion: 76 Resp: 253521

Ion Ratio Lower Upper

76 100

78 31.8 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 105.70 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060437.D

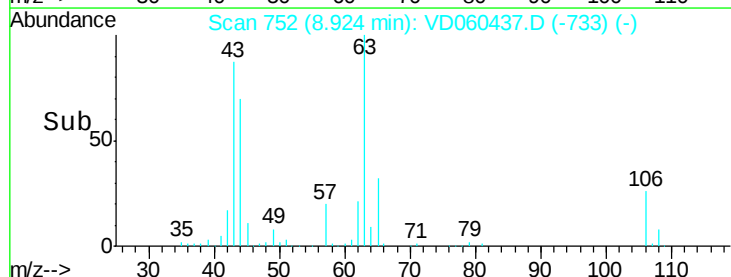
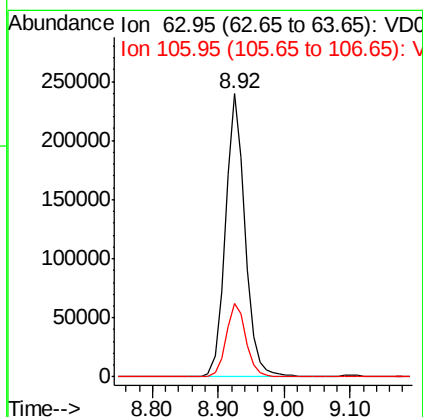
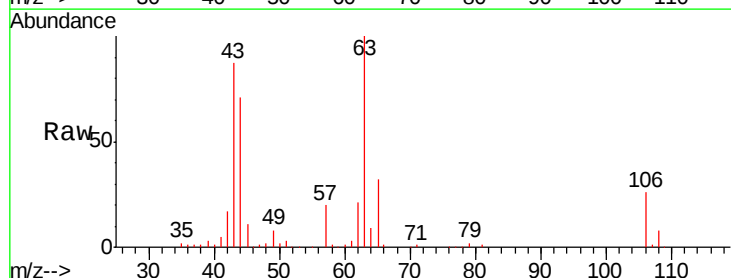
Acq: 21 Nov 2018 12:44

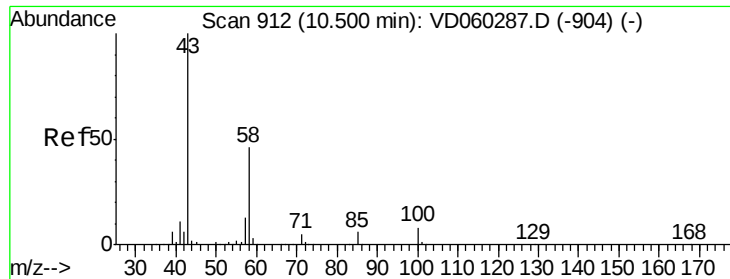
Tgt Ion: 63 Resp: 498897

Ion Ratio Lower Upper

63 100

106 26.0 21.5 32.3

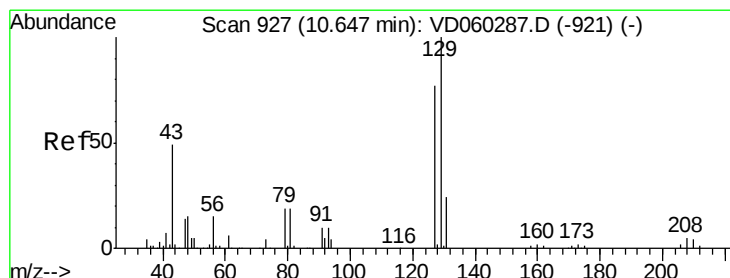
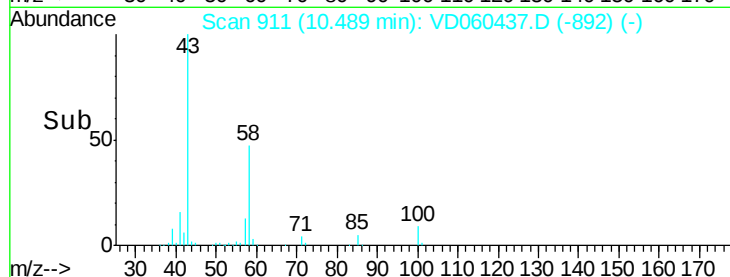
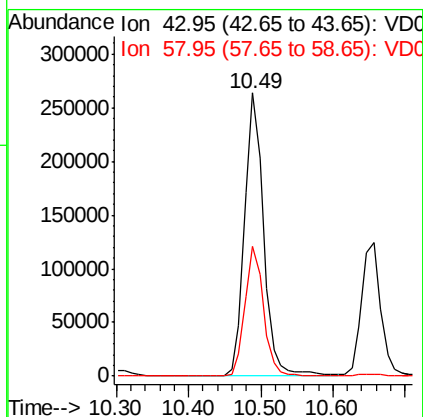
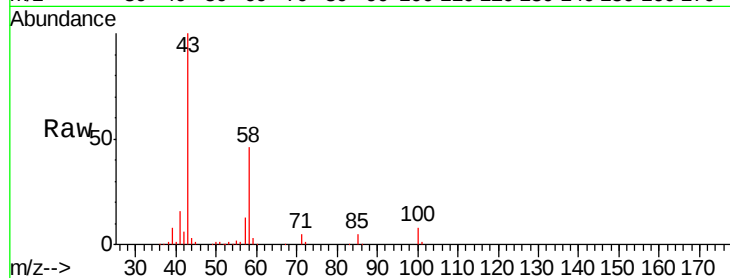




#59
2-Hexanone
Concen: 102.18 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

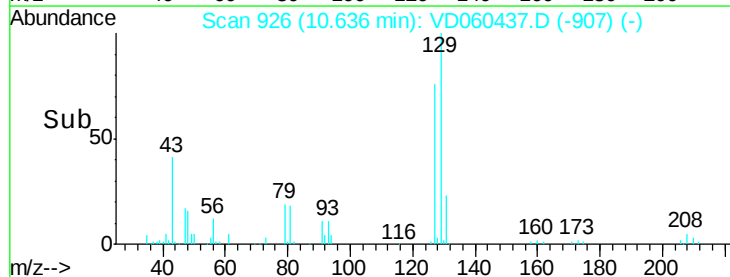
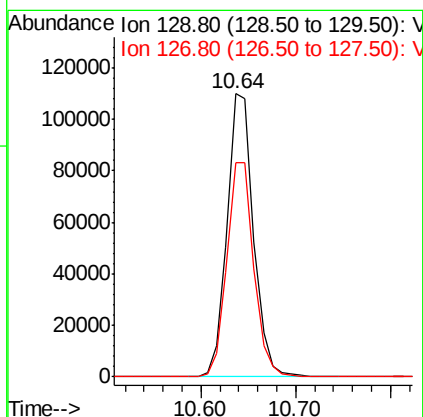
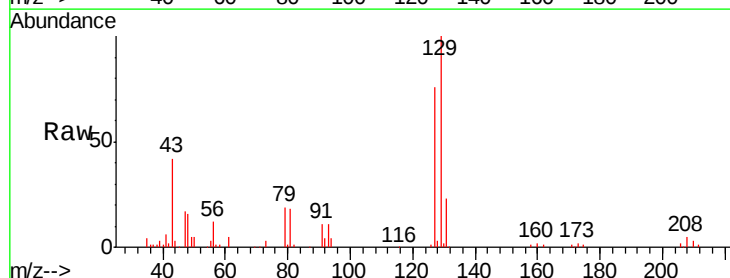
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

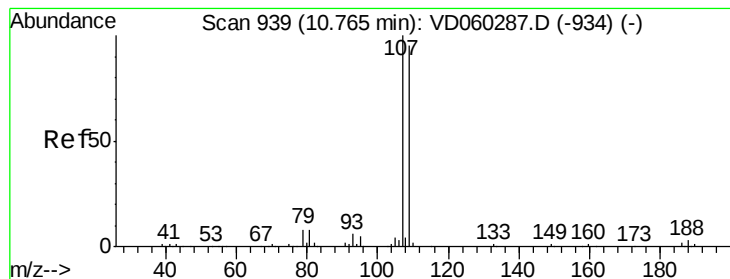
Tgt Ion: 43 Resp: 492184
Ion Ratio Lower Upper
43 100
58 46.0 22.9 68.5



#60
Dibromochloromethane
Concen: 20.58 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 129 Resp: 212418
Ion Ratio Lower Upper
129 100
127 75.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.73 ug/l

RT: 10.76 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

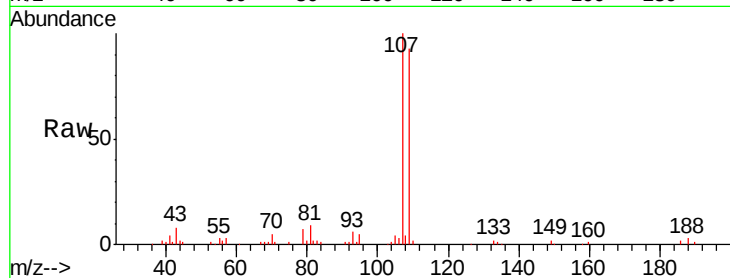
VD1121SBSD01

Tgt Ion: 107 Resp: 176328

Ion Ratio Lower Upper

107 100

109 93.0 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

80000

60000

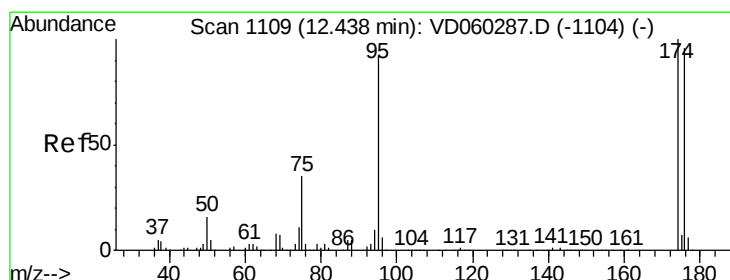
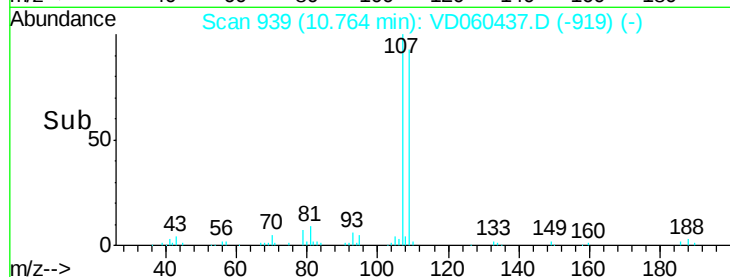
40000

20000

0

Time-->

10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 20.73 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

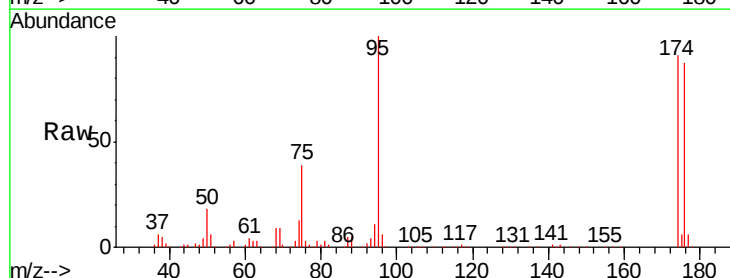
Tgt Ion: 95 Resp: 713486

Ion Ratio Lower Upper

95 100

174 91.1 0.0 160.8

176 87.2 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

600000

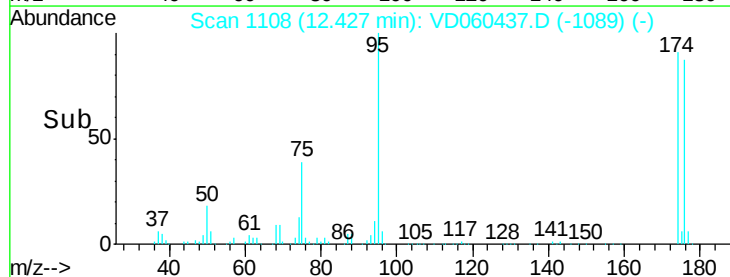
400000

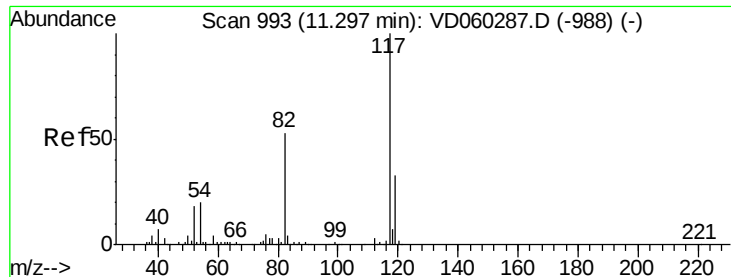
200000

0

Time-->

12.40 12.50

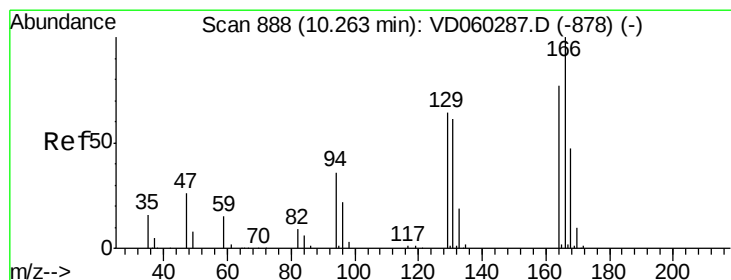
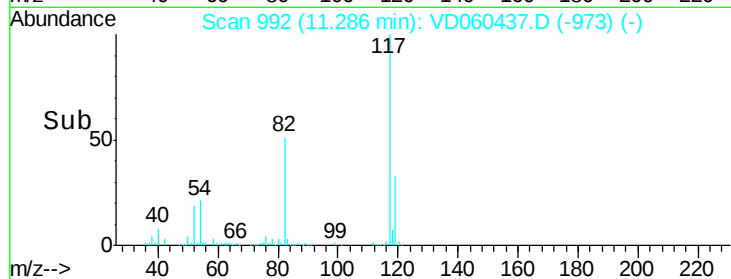
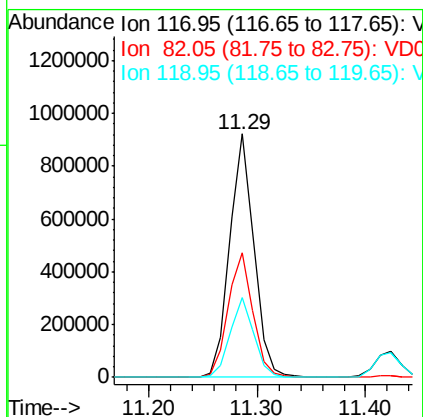
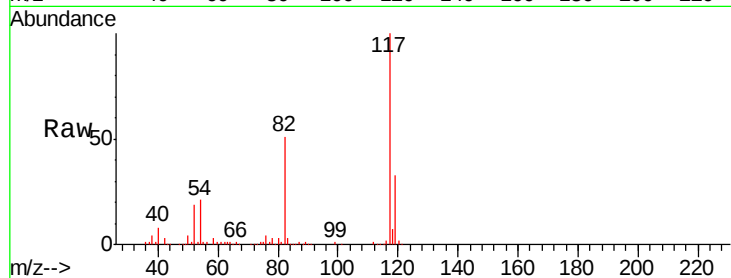




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

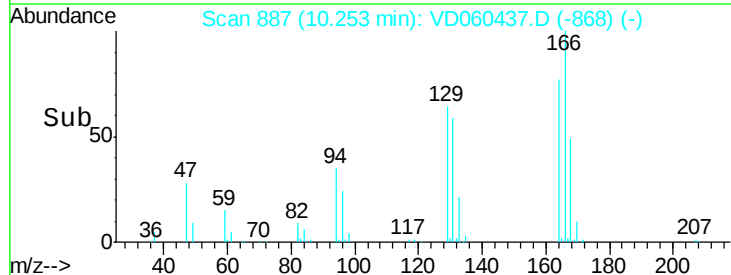
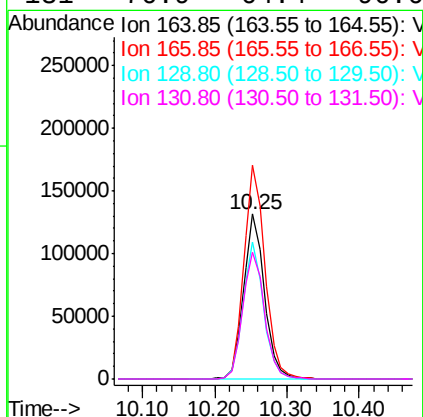
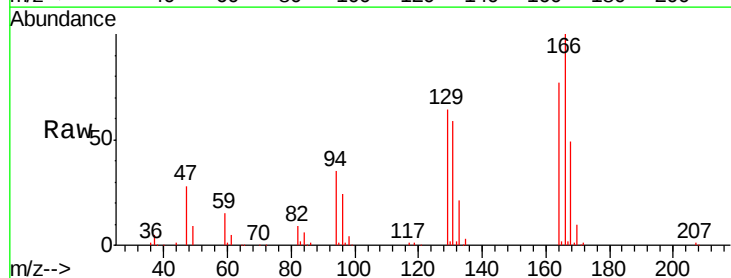
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

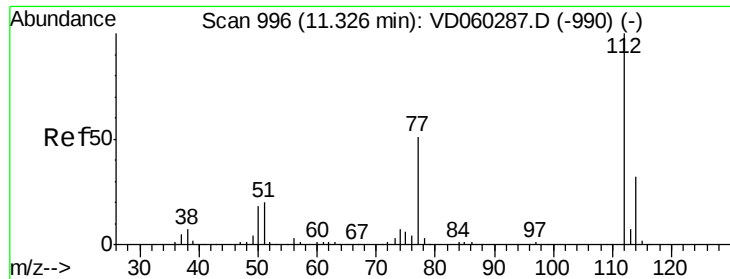
Tgt Ion:117 Resp: 1445578
Ion Ratio Lower Upper
117 100
82 51.2 43.7 65.5
119 32.5 26.1 39.1



#64
Tetrachloroethene
Concen: 20.69 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion:164 Resp: 266986
Ion Ratio Lower Upper
164 100
166 129.5 103.7 155.5
129 82.9 65.6 98.4
131 76.9 64.4 96.6





#65

Chlorobenzene

Concen: 20.69 ug/l

RT: 11.32 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

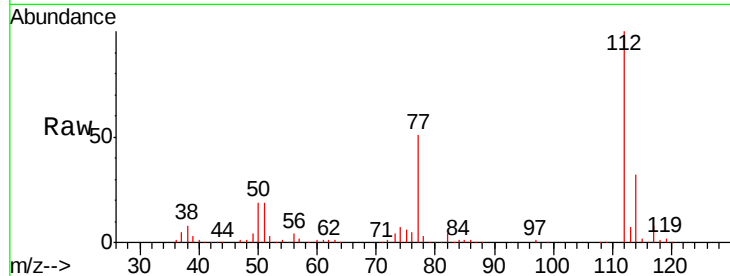
VD1121SBSD01

Tgt Ion:112 Resp: 648162

Ion Ratio Lower Upper

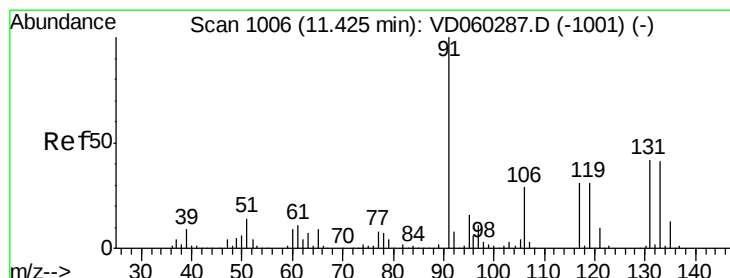
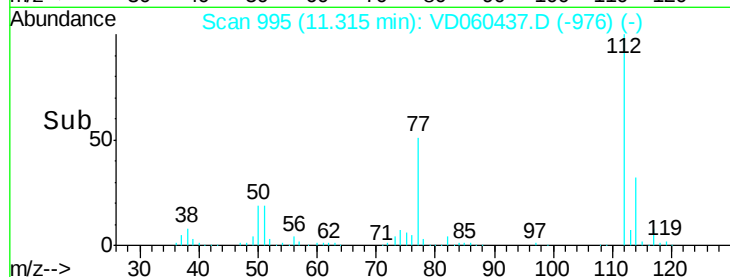
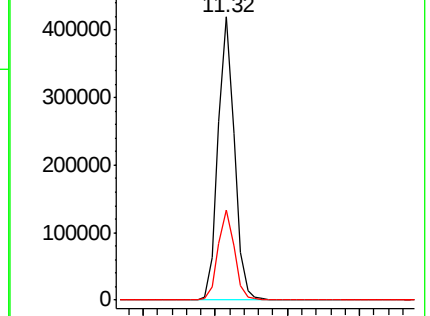
112 100

114 31.7 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.14 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

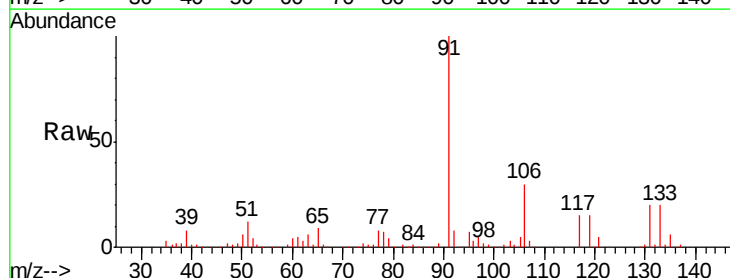
Tgt Ion:131 Resp: 216684

Ion Ratio Lower Upper

131 100

133 96.3 50.0 150.0

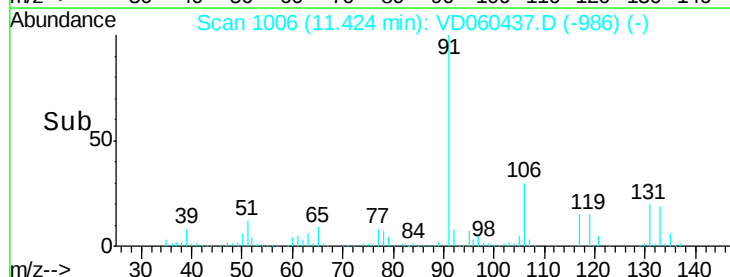
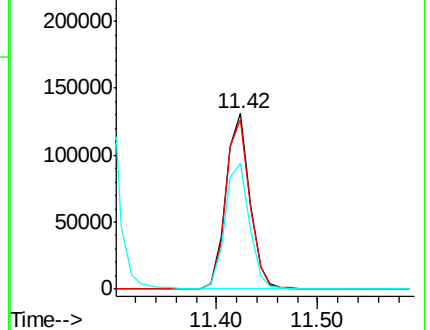
119 71.8 37.0 111.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

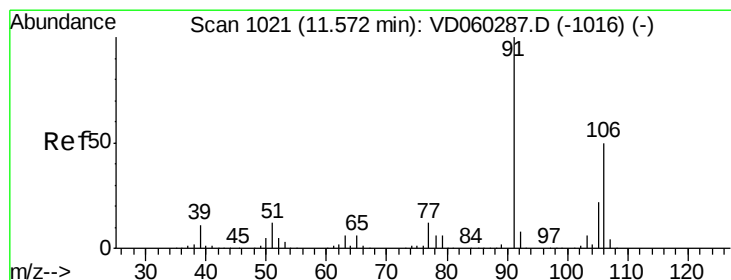
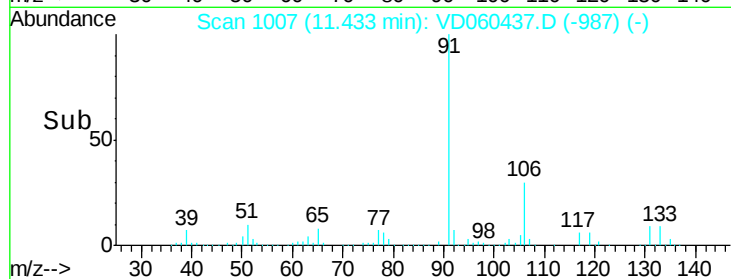
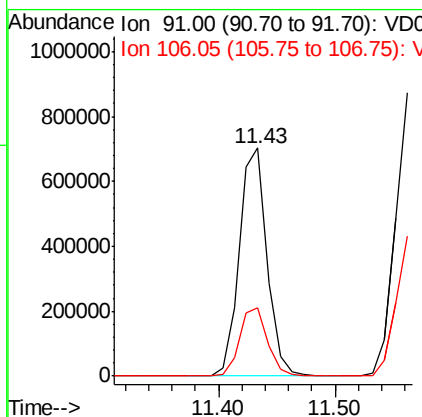
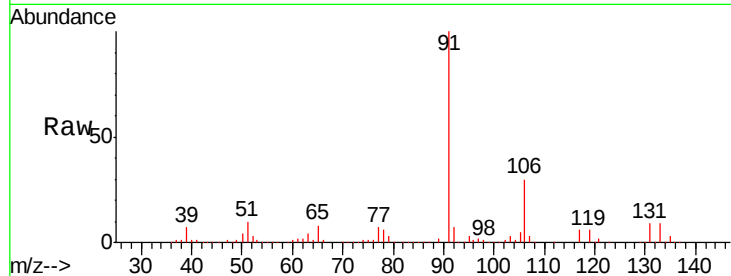




#67
Ethyl Benzene
Concen: 21.51 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

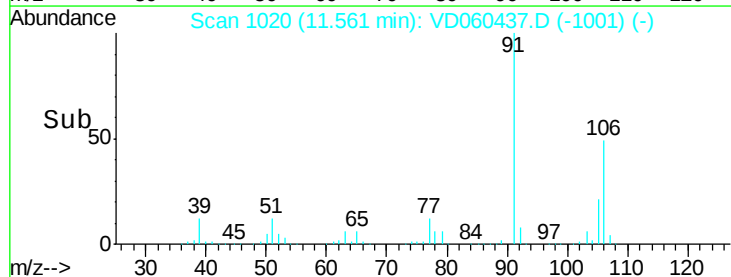
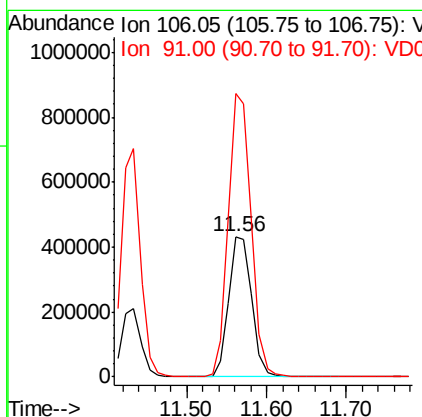
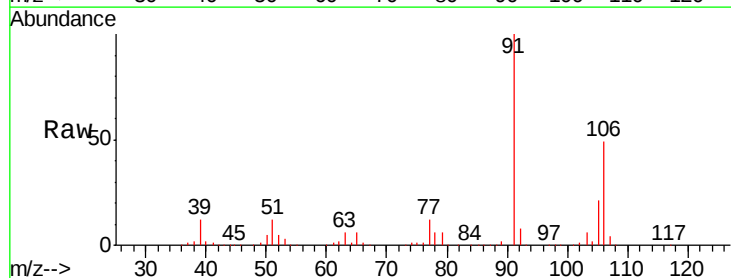
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

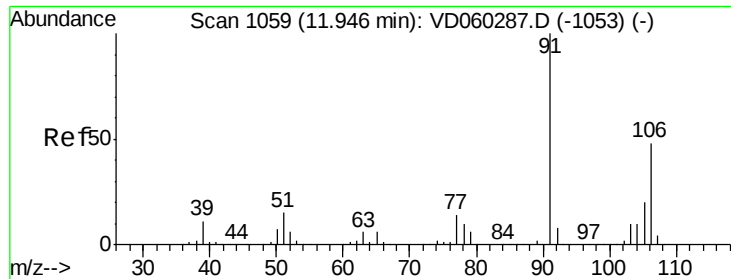
Tgt Ion: 91 Resp: 1152667
Ion Ratio Lower Upper
91 100
106 29.8 24.6 36.8



#68
m/p-Xylenes
Concen: 44.46 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 106 Resp: 878816
Ion Ratio Lower Upper
106 100
91 202.1 159.4 239.2

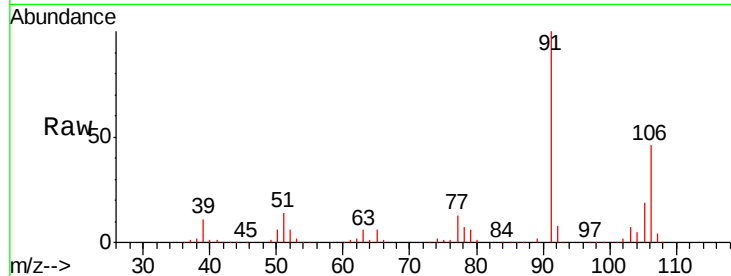




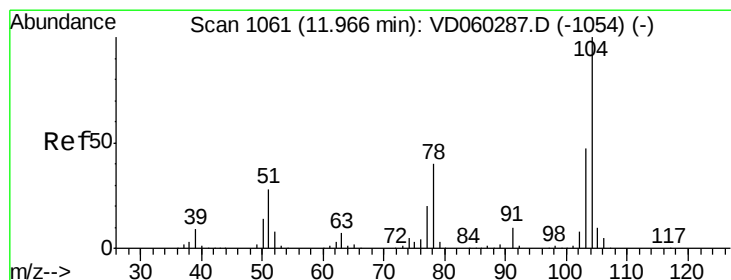
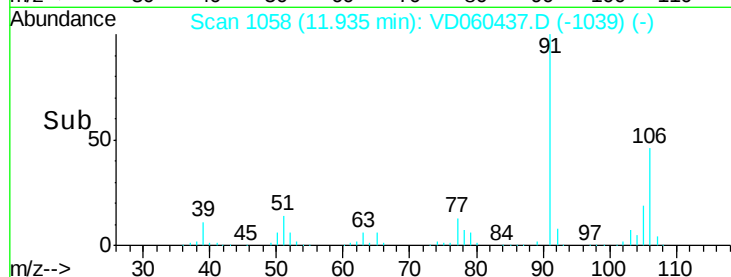
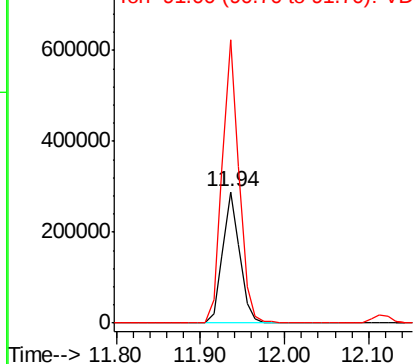
#69
o-Xylene
Concen: 21.31 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

Tgt Ion:106 Resp: 406987
Ion Ratio Lower Upper
106 100
91 215.9 109.2 327.6

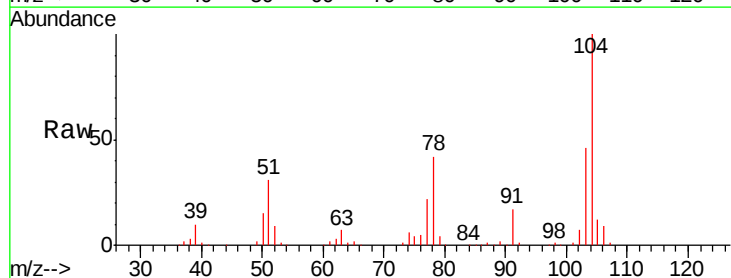


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

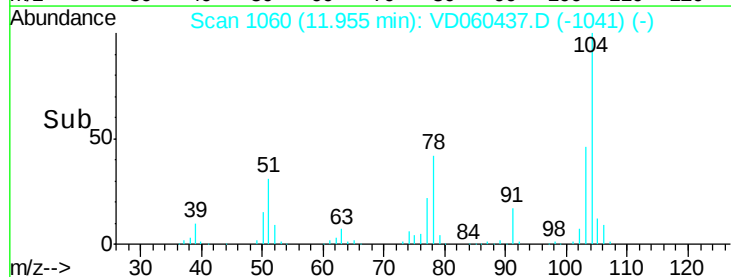
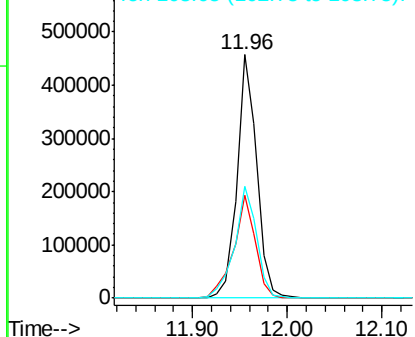


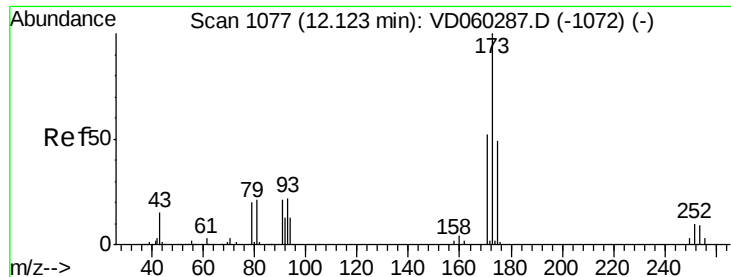
#70
Styrene
Concen: 21.31 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion:104 Resp: 657744
Ion Ratio Lower Upper
104 100
78 42.3 31.6 47.4
103 45.9 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: 20.00 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBSD01

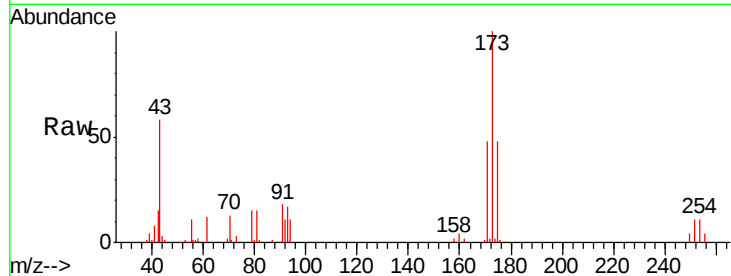
Tgt Ion:173 Resp: 137746

Ion Ratio Lower Upper

173 100

175 48.1 24.3 73.0

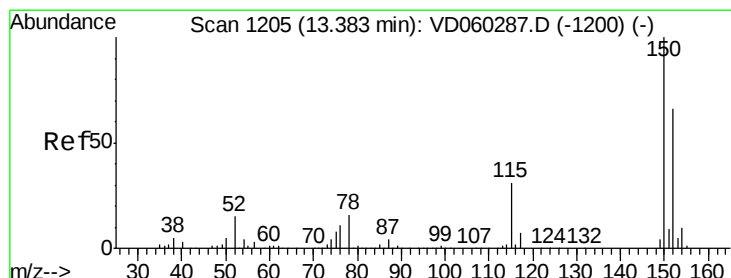
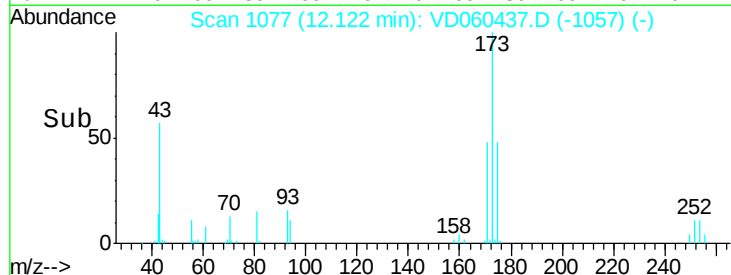
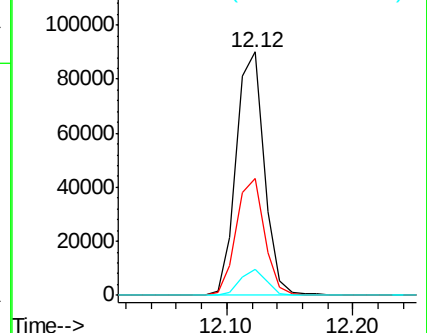
254 10.9 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

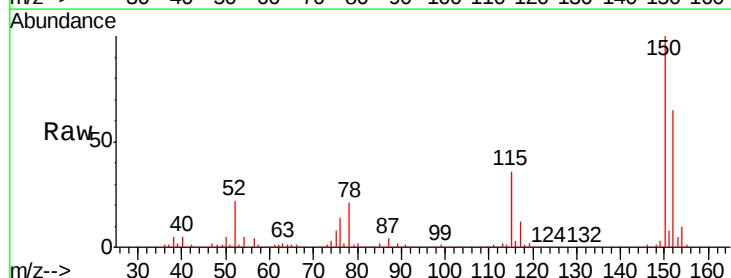
Tgt Ion:152 Resp: 741240

Ion Ratio Lower Upper

152 100

115 54.9 24.1 72.3

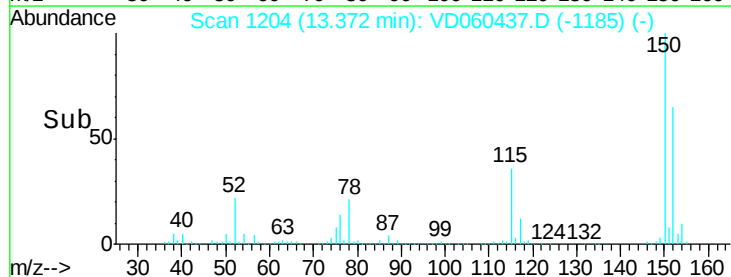
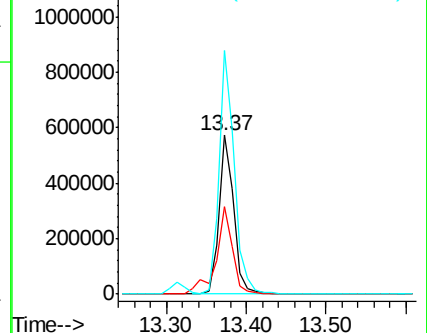
150 153.2 0.0 310.6

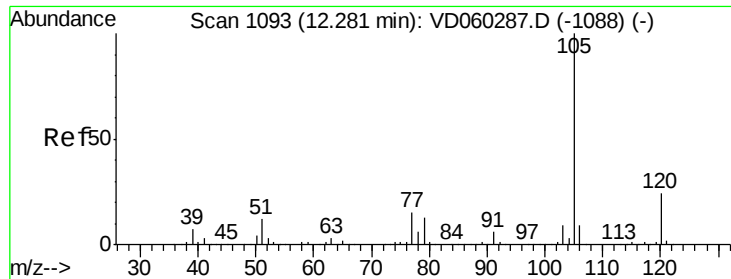


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.23 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

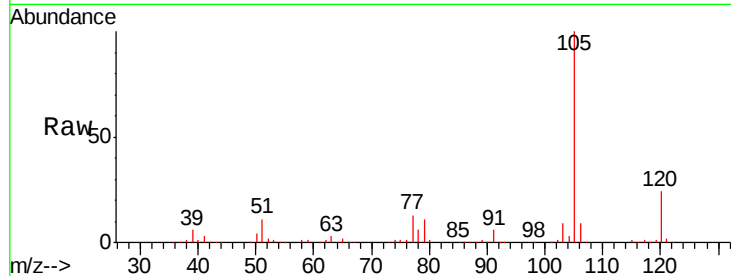
VD1121SBSD01

Tgt Ion: 105 Resp: 1092263

Ion Ratio Lower Upper

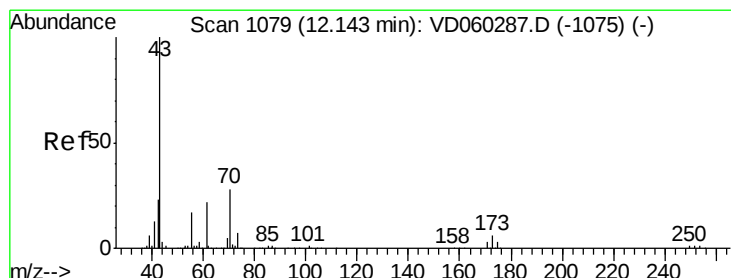
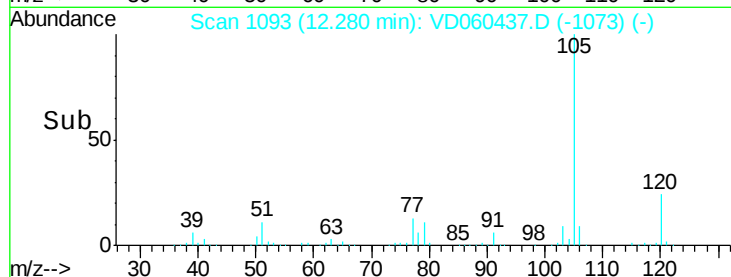
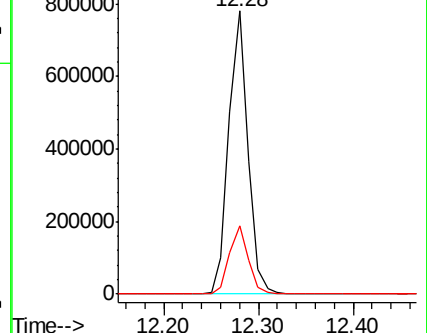
105 100

120 24.1 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.05 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Tgt Ion: 43 Resp: 263818

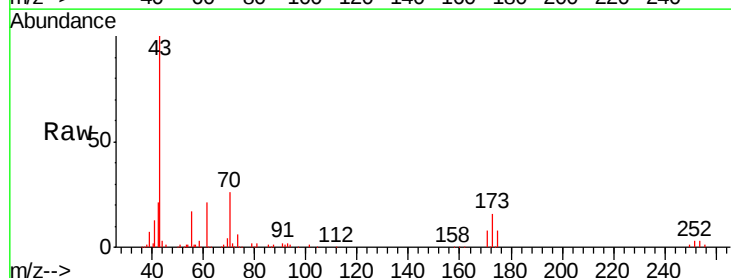
Ion Ratio Lower Upper

43 100

70 26.4 23.0 34.4

55 16.6 14.2 21.4

61 21.5 17.8 26.8

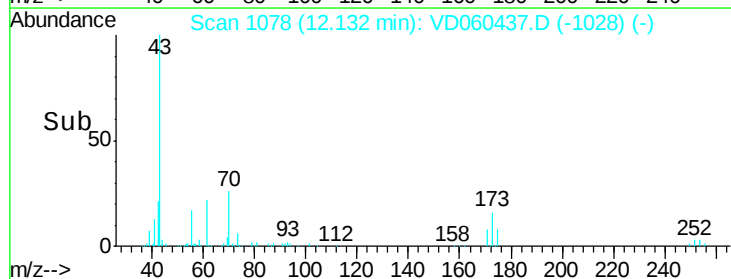
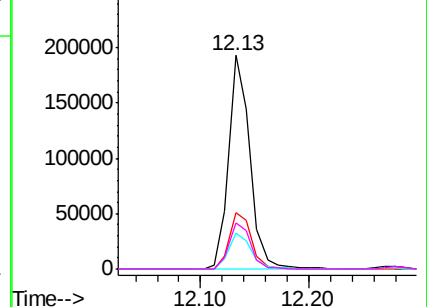


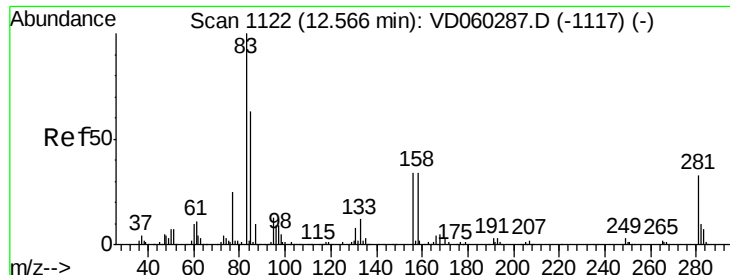
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.86 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

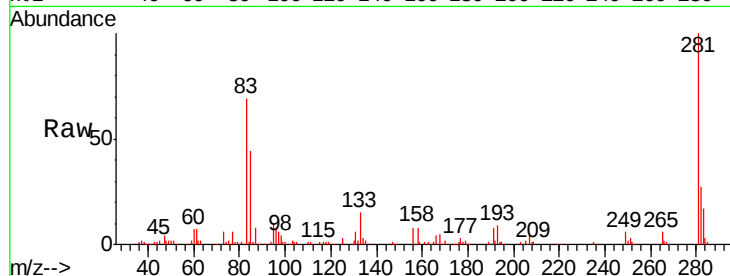
Tgt Ion: 83 Resp: 175439

Ion Ratio Lower Upper

83 100

131 9.2 3.9 11.5

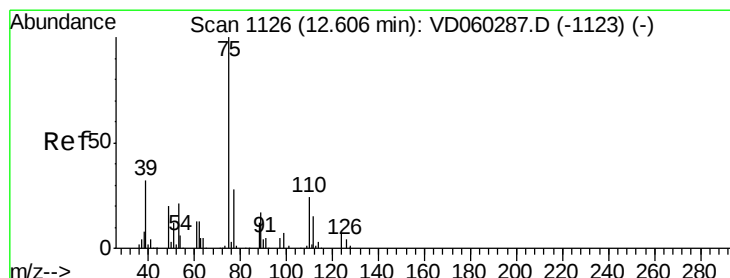
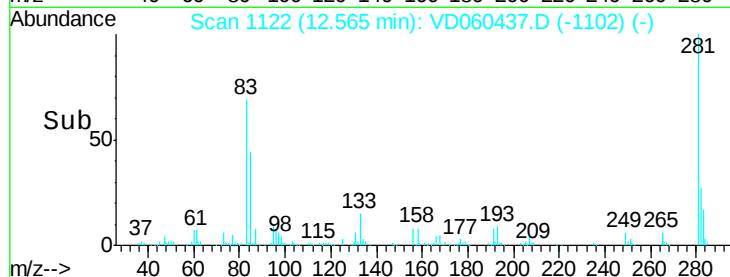
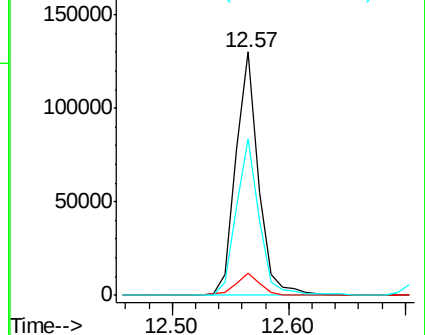
85 64.5 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.63 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060437.D

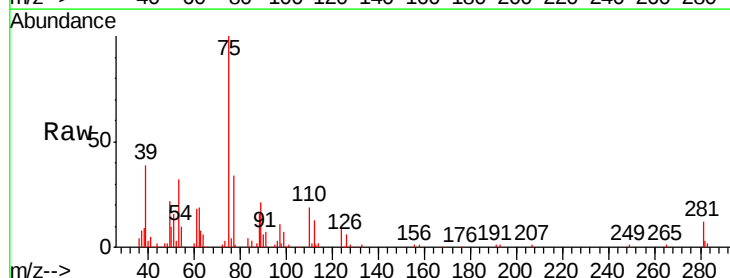
Acq: 21 Nov 2018 12:44

Tgt Ion: 75 Resp: 174017

Ion Ratio Lower Upper

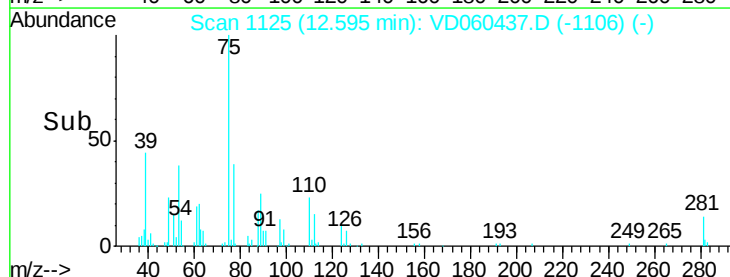
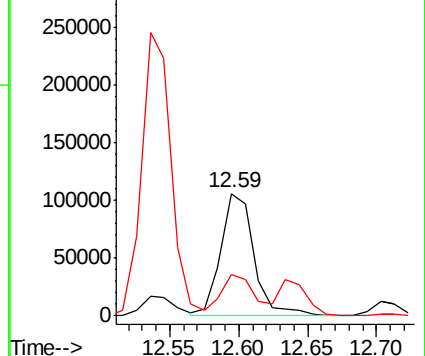
75 100

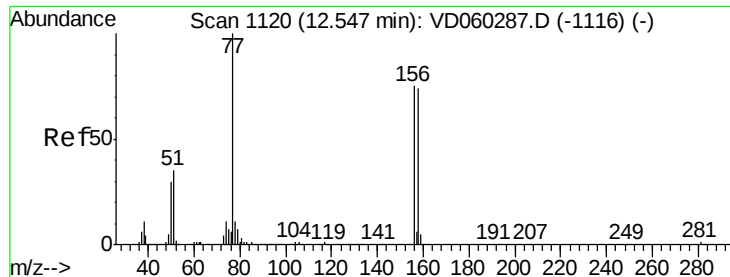
77 33.6 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

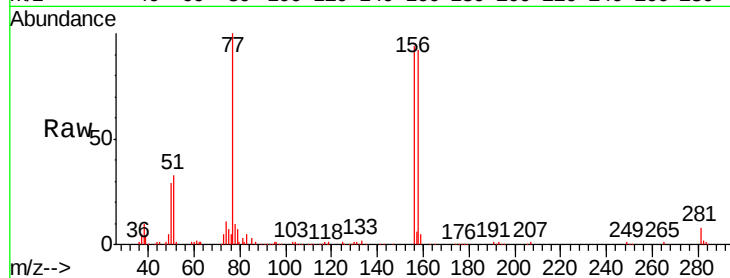




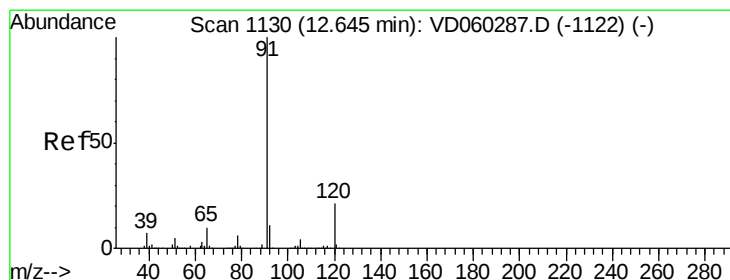
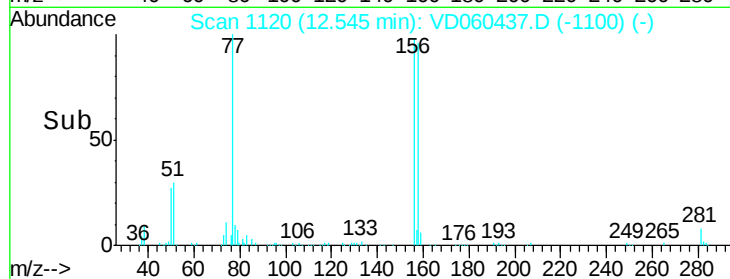
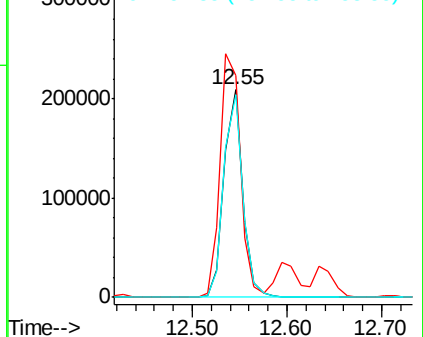
#77
Bromobenzene
Concen: 19.92 ug/l
RT: 12.55 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tgt Ion: 156 Resp: 285809
Ion Ratio Lower Upper
156 100
77 106.8 61.2 183.6
158 97.9 49.2 147.6

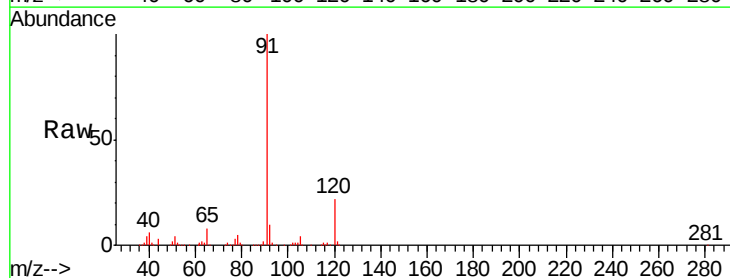


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

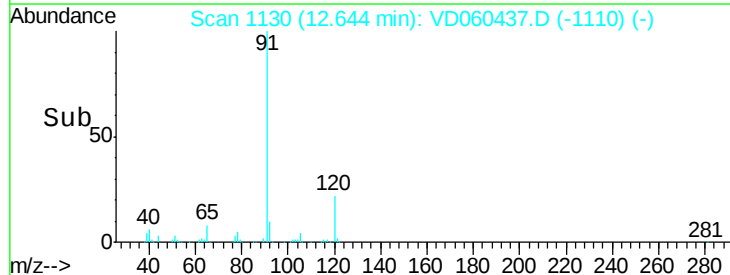
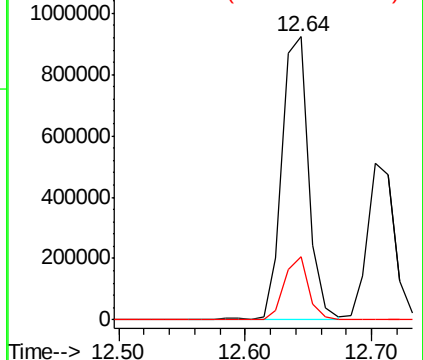


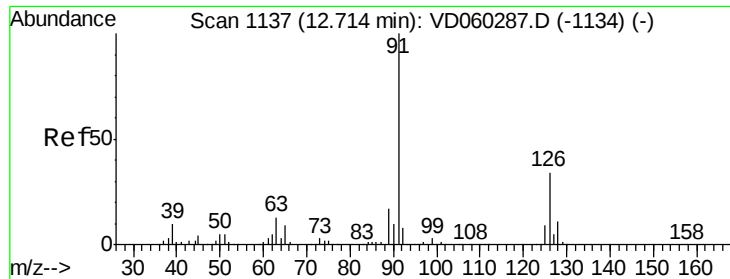
#78
n-propylbenzene
Concen: 20.27 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 91 Resp: 1366220
Ion Ratio Lower Upper
91 100
120 22.3 10.4 31.4



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

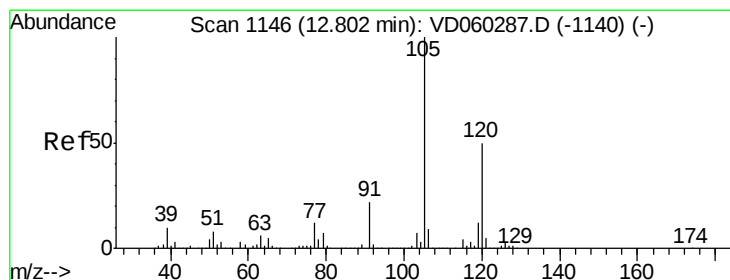
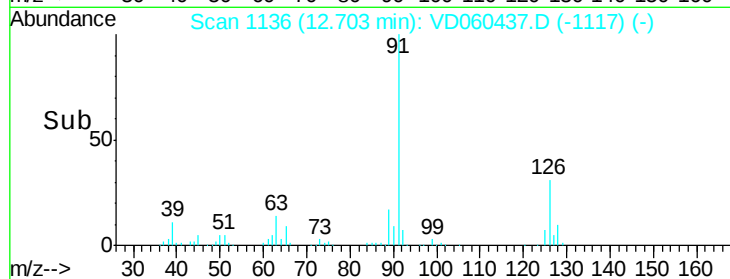
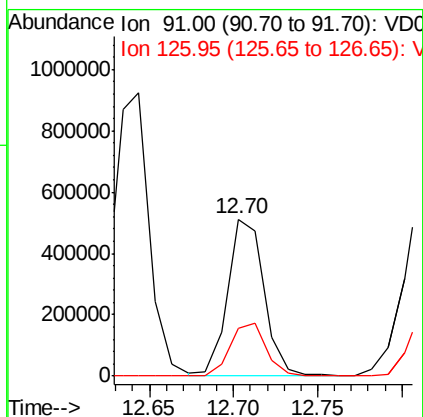
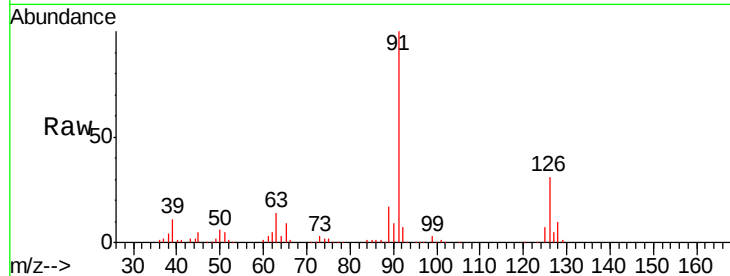




#79
 2-Chlorotoluene
 Concen: 20.70 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

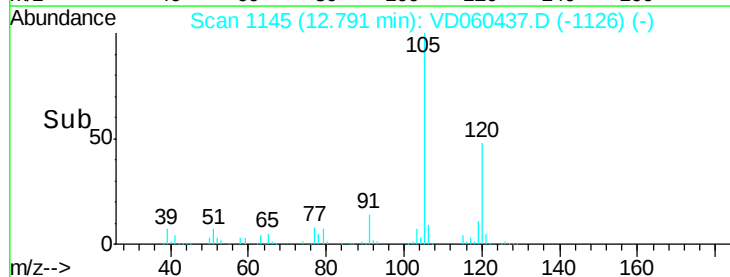
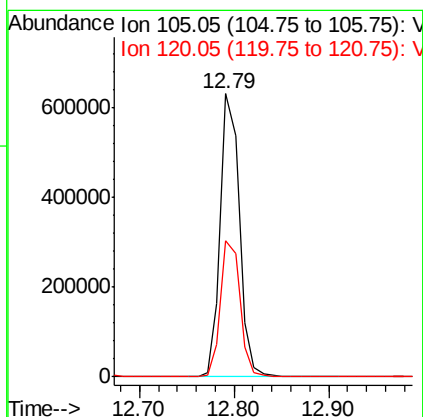
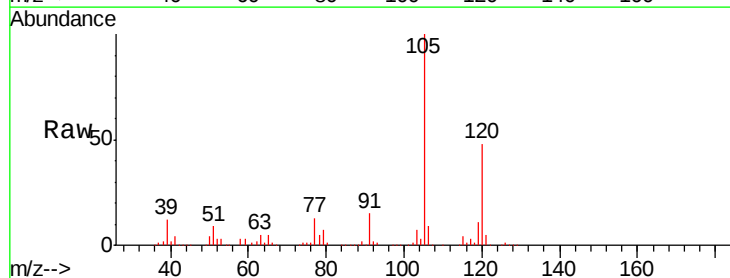
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

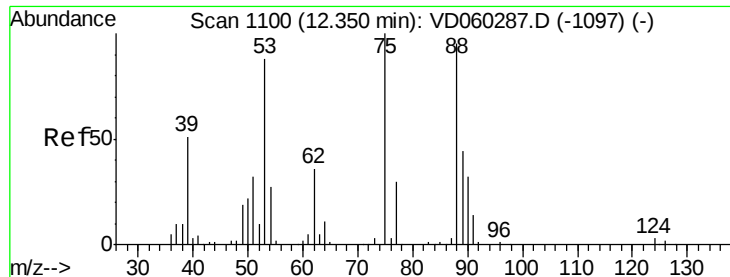
Tgt Ion: 91 Resp: 764256
 Ion Ratio Lower Upper
 91 100
 126 30.6 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.97 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion: 105 Resp: 880296
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.24 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060437.D

Acq: 21 Nov 2018 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

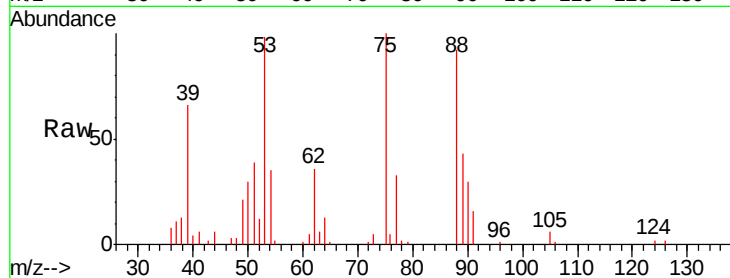
Tgt Ion: 75 Resp: 46046

Ion Ratio Lower Upper

75 100

53 98.3 68.6 103.0

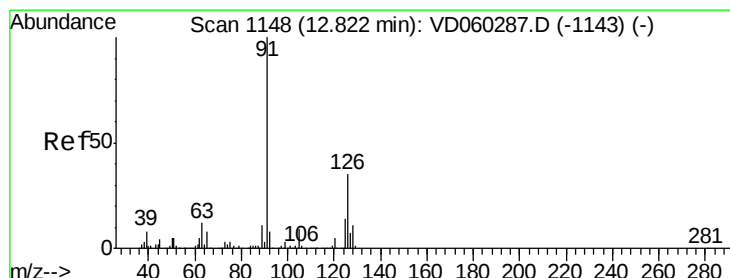
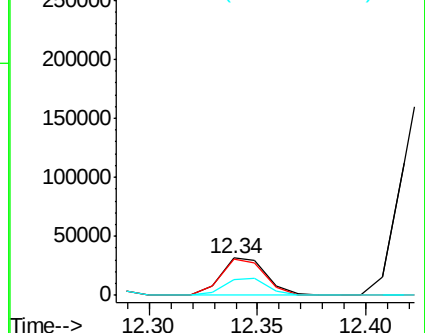
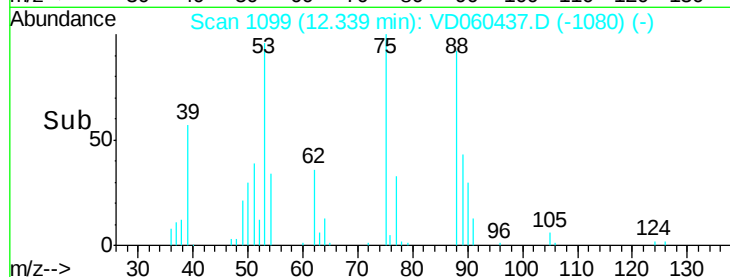
89 43.1 34.1 51.1



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: 21.35 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060437.D

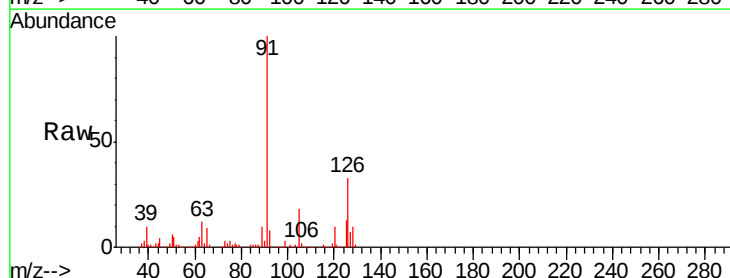
Acq: 21 Nov 2018 12:44

Tgt Ion: 91 Resp: 885503

Ion Ratio Lower Upper

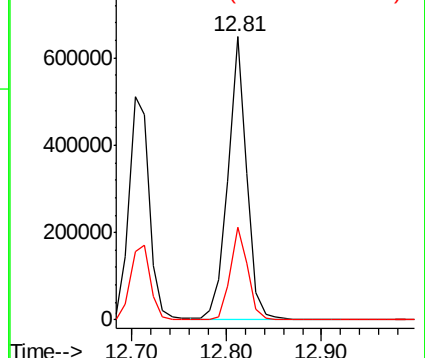
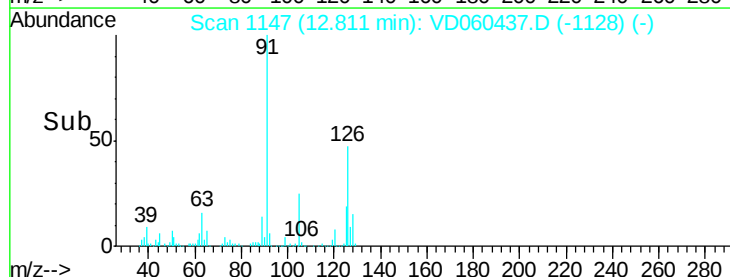
91 100

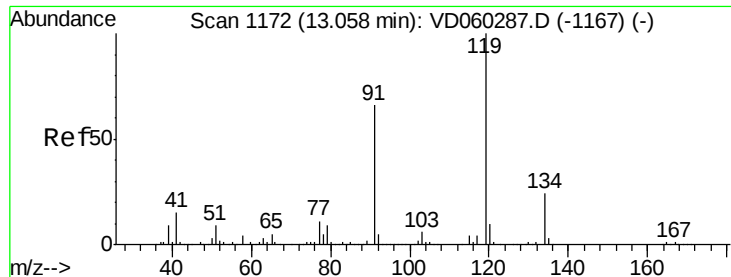
126 32.8 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

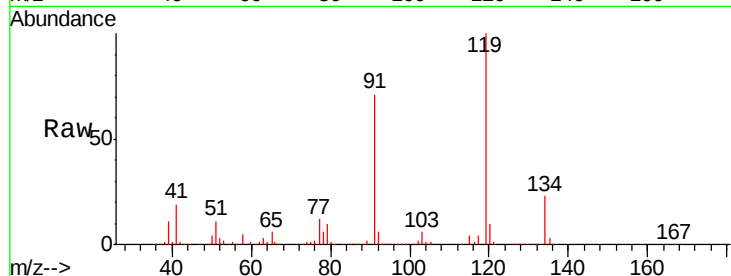




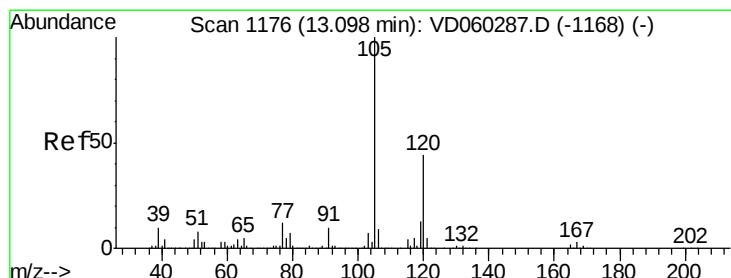
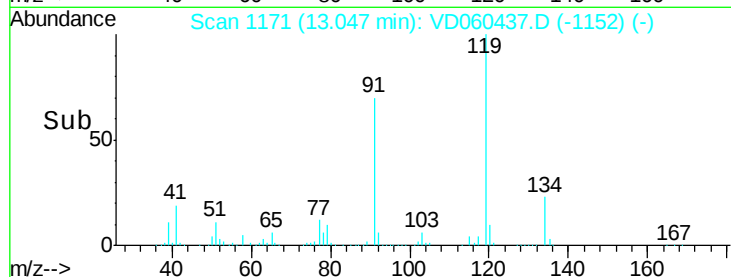
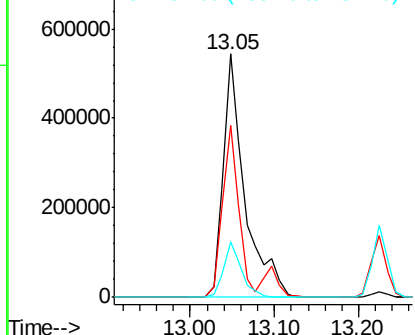
#83
 tert-Butylbenzene
 Concen: 20.86 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

Tgt Ion:119 Resp: 971830
 Ion Ratio Lower Upper
 119 100
 91 70.8 32.7 98.1
 134 22.7 12.1 36.3

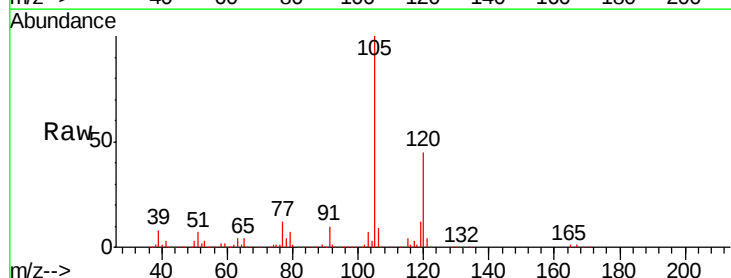


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): VD
 Ion 134.00 (133.70 to 134.70): V

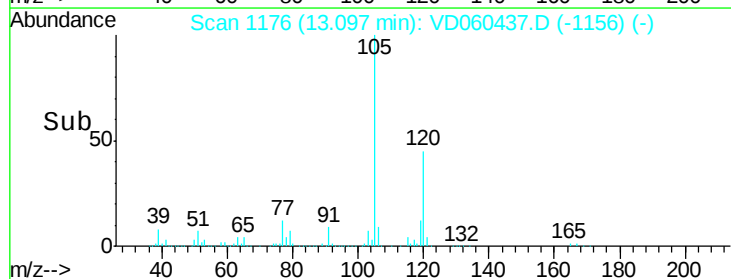
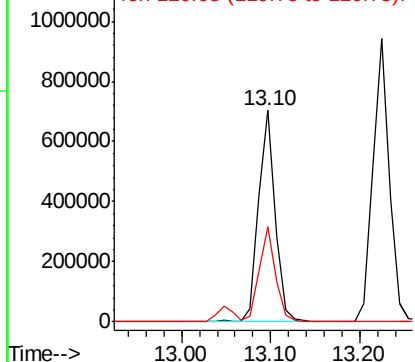


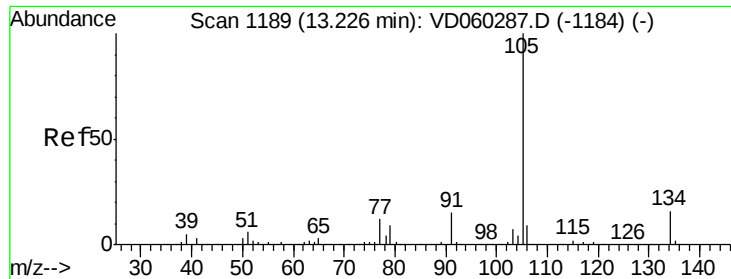
#84
 1,2,4-Trimethylbenzene
 Concen: 21.42 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion:105 Resp: 897696
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.9 65.8



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

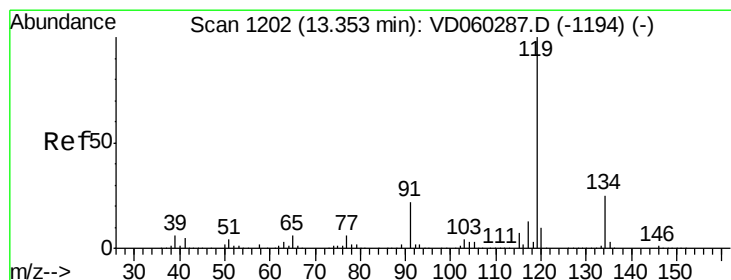
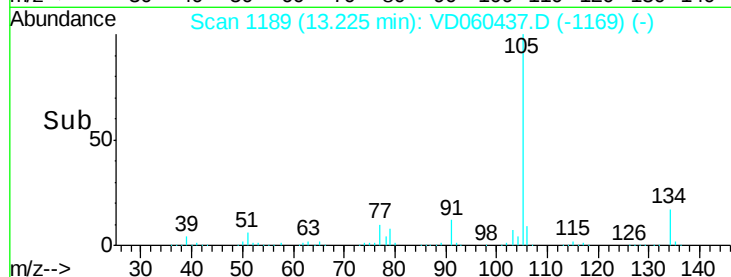
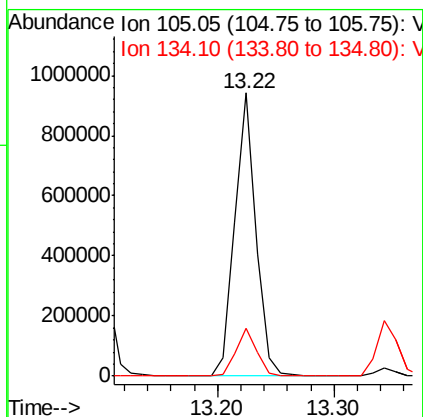
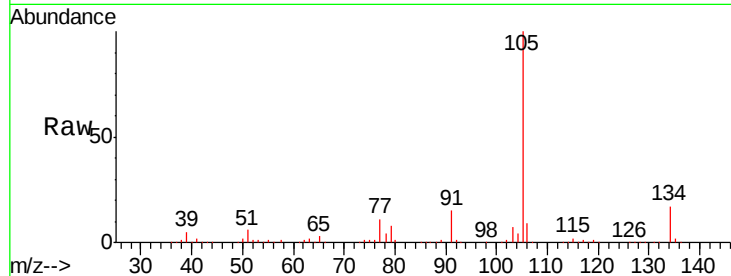




#85
 sec-Butylbenzene
 Concen: 20.64 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

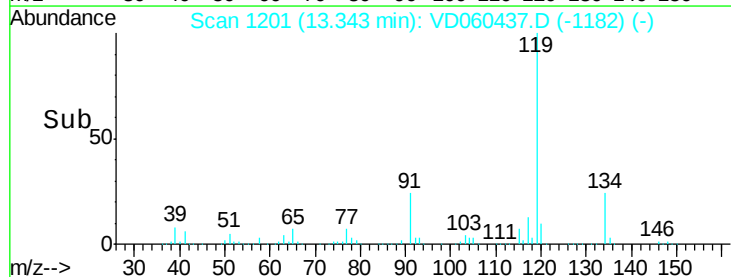
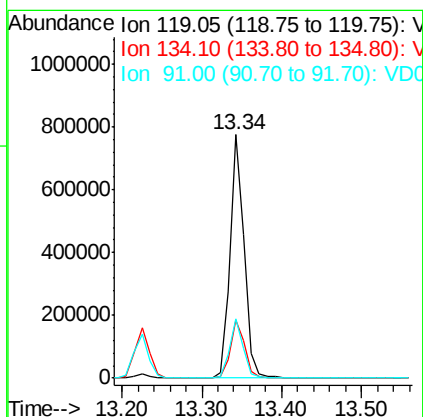
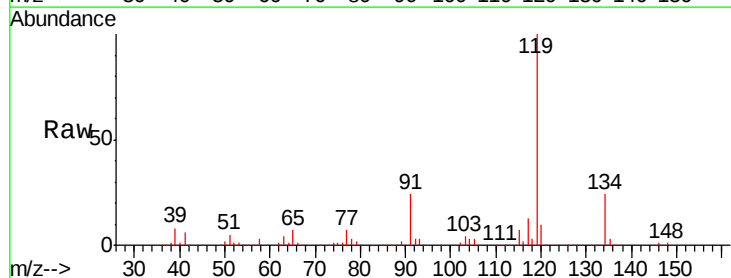
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

Tgt Ion:105 Resp: 1179924
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 21.03 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion:119 Resp: 968331
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.9 38.6
 91 24.2 11.3 33.8

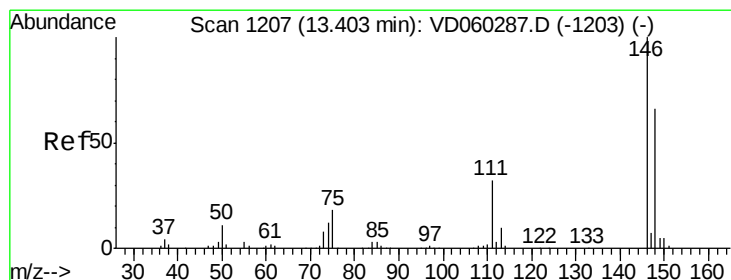
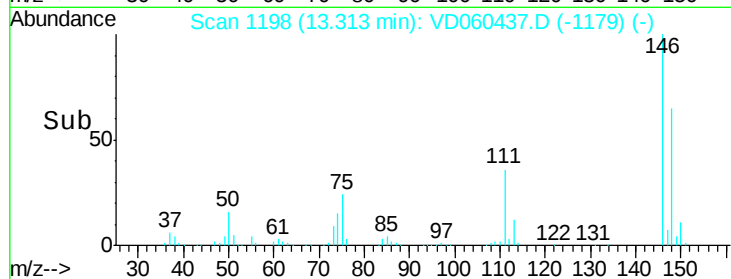
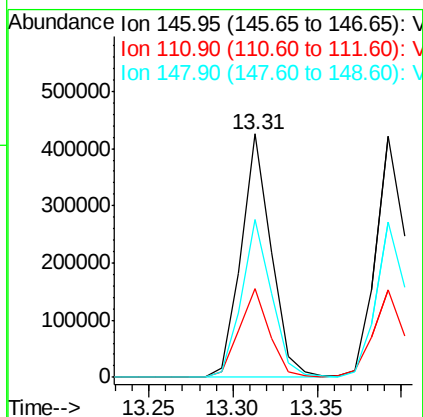
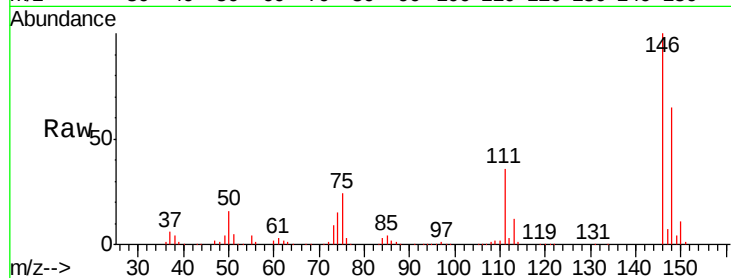




#87
 1,3-Dichlorobenzene
 Concen: 20.65 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

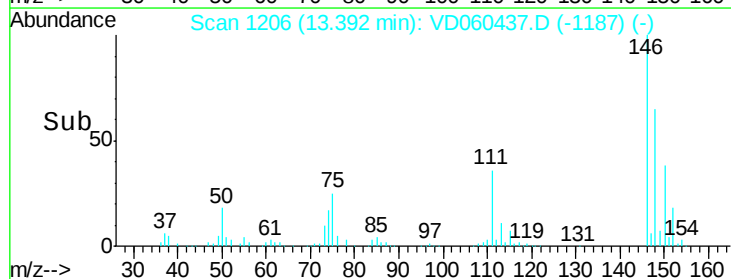
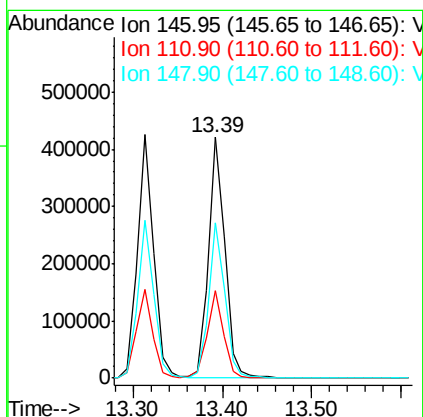
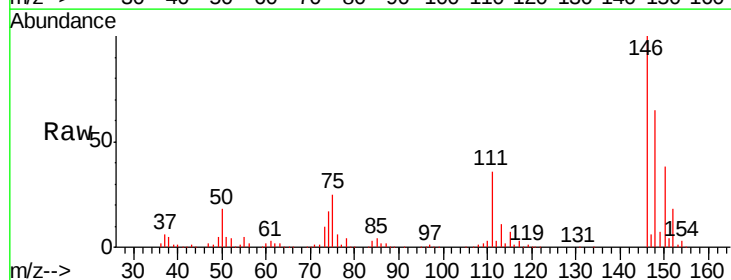
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

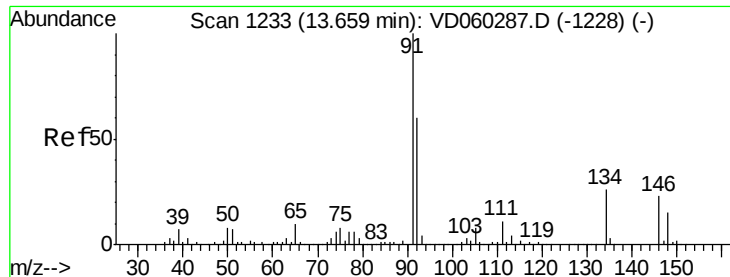
Tgt Ion:146 Resp: 526981
 Ion Ratio Lower Upper
 146 100
 111 36.2 20.2 60.5
 148 64.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 21.33 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion:146 Resp: 531780
 Ion Ratio Lower Upper
 146 100
 111 36.2 16.0 47.9
 148 64.7 32.9 98.7

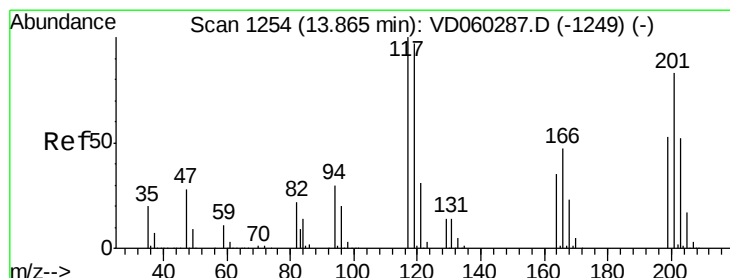
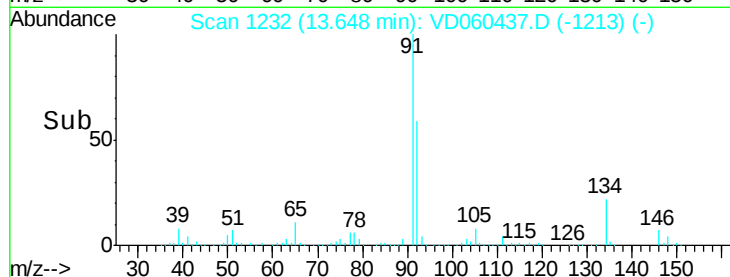
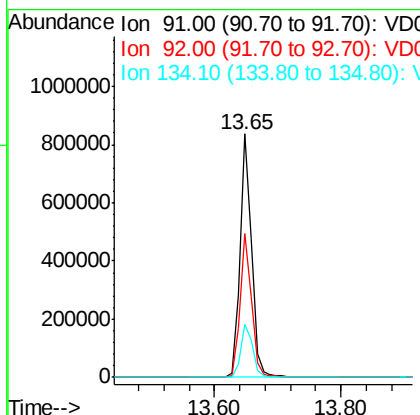
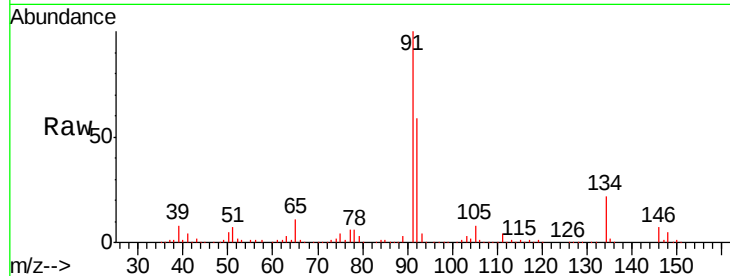




#89
n-Butylbenzene
Concen: 20.48 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

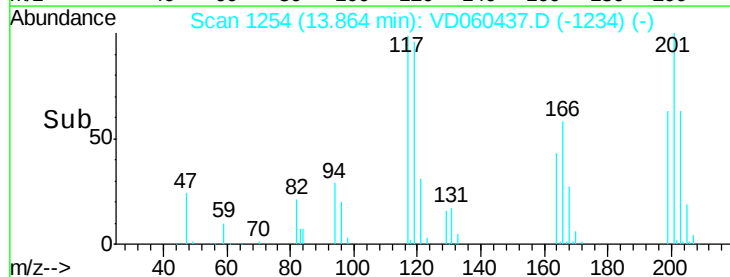
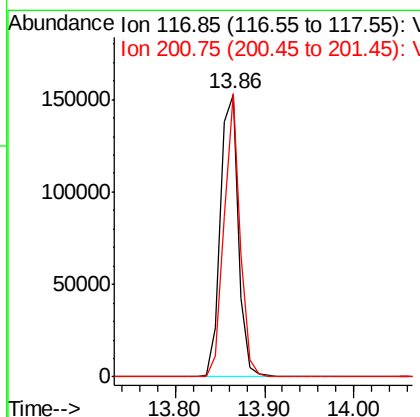
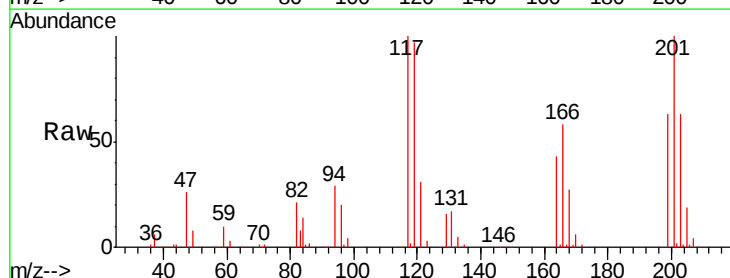
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

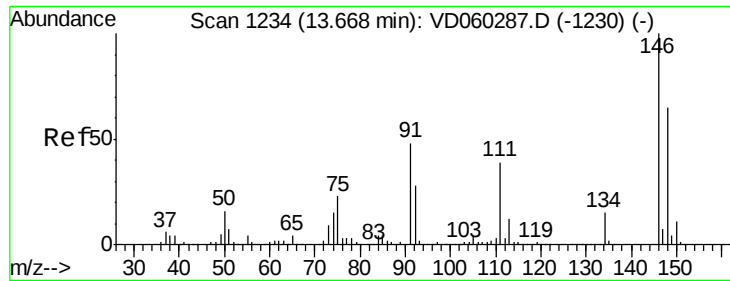
Tgt Ion: 91 Resp: 1034334
Ion Ratio Lower Upper
91 100
92 58.9 30.3 90.9
134 21.5 13.0 38.9



#90
Hexachloroethane
Concen: 20.06 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion: 117 Resp: 219001
Ion Ratio Lower Upper
117 100
201 100.2 40.1 120.3

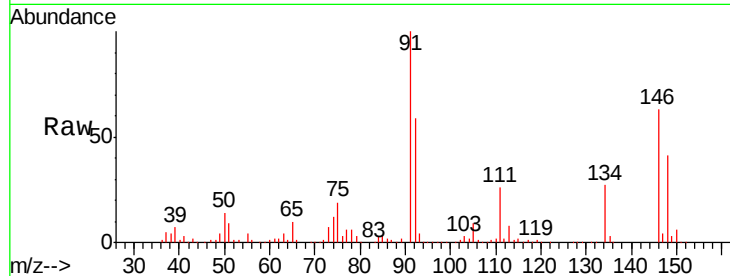




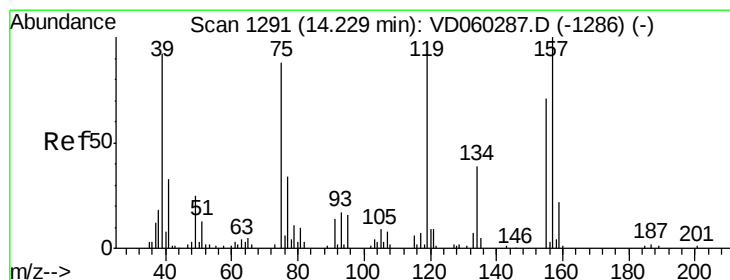
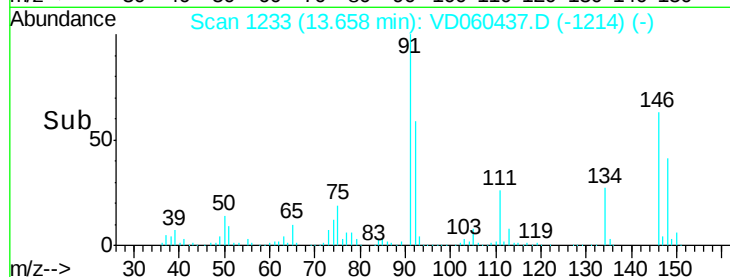
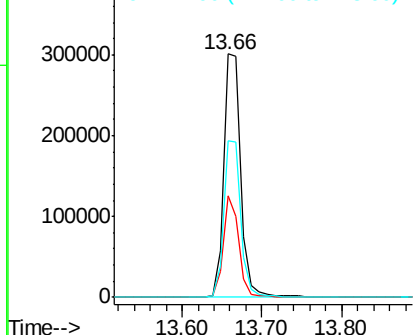
#91
 1,2-Dichlorobenzene
 Concen: 21.55 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBSD01

Tgt Ion: 146 Resp: 451752
 Ion Ratio Lower Upper
 146 100
 111 41.6 18.9 56.9
 148 64.2 31.6 94.8

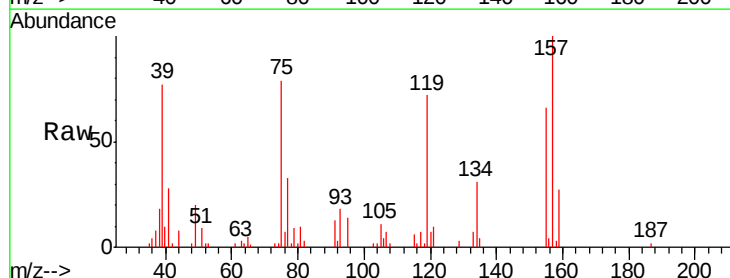


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

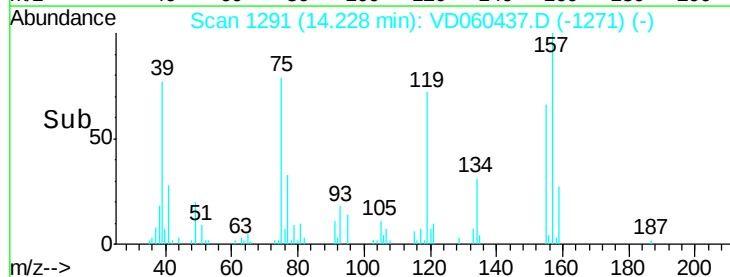
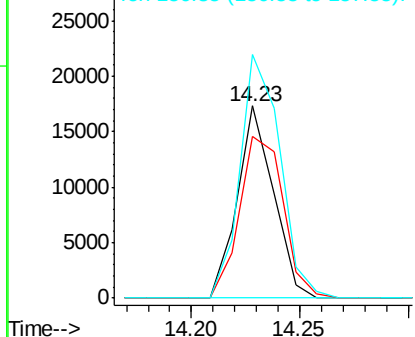


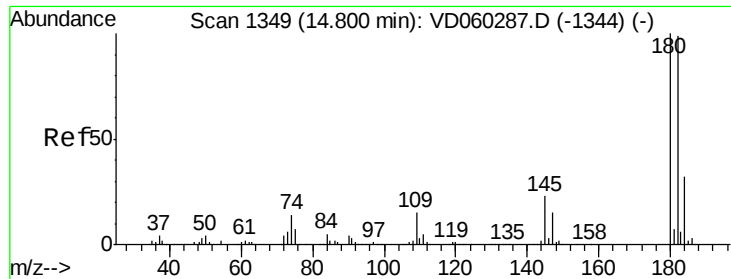
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.77 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion: 75 Resp: 20011
 Ion Ratio Lower Upper
 75 100
 155 84.3 64.3 192.9
 157 126.9 81.0 243.1



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

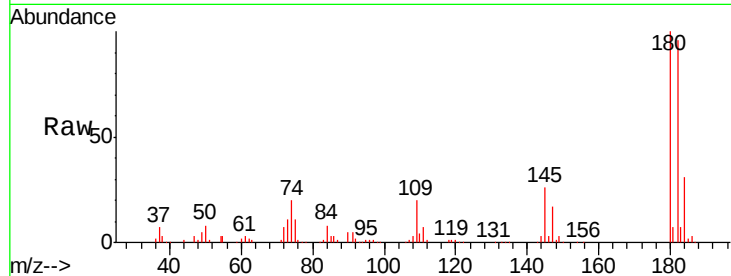




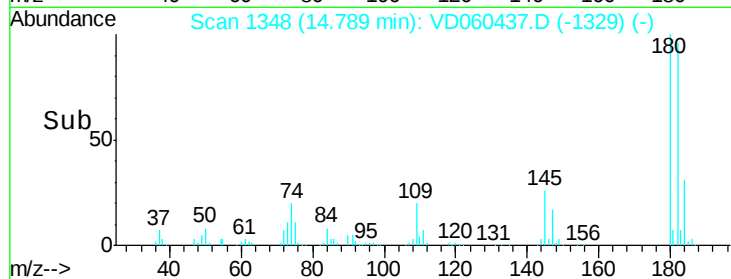
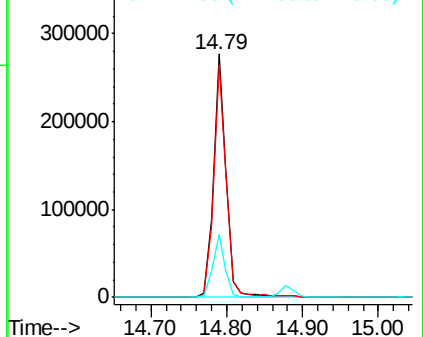
#93
 1,2,4-Trichlorobenzene
 Concen: 19.91 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tgt Ion:180 Resp: 330893
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.1 144.4
 145 26.0 11.5 34.4

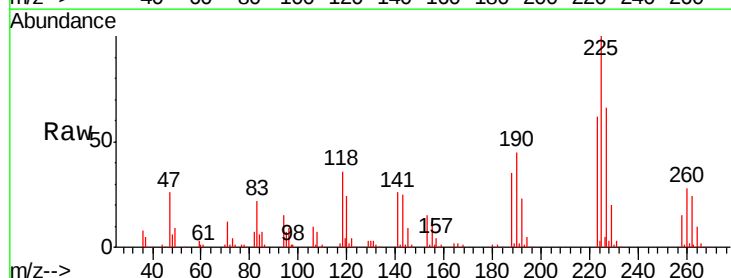


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

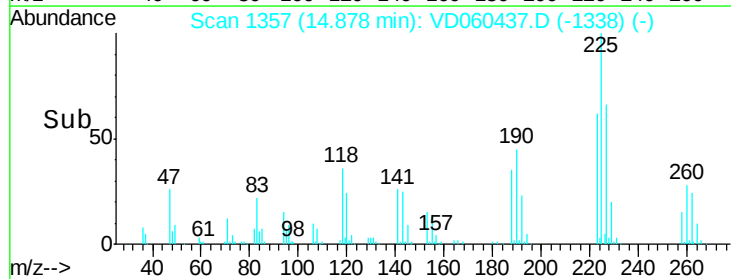
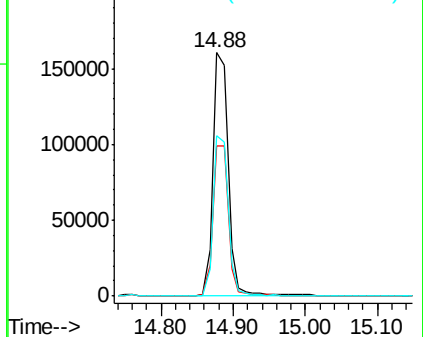


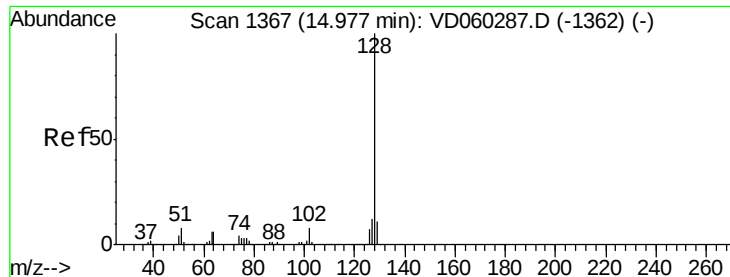
#94
 Hexachlorobutadiene
 Concen: 18.86 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060437.D
 Acq: 21 Nov 2018 12:44

Tgt Ion:225 Resp: 234470
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.6 94.8
 227 66.1 32.3 96.9



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

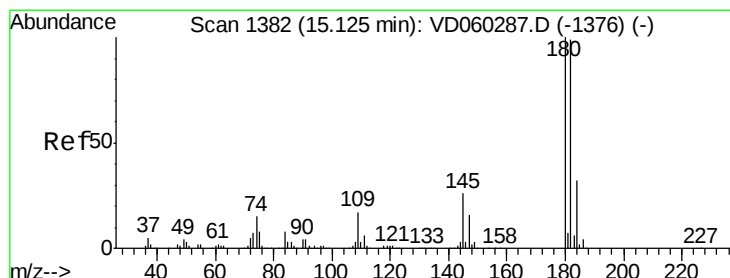
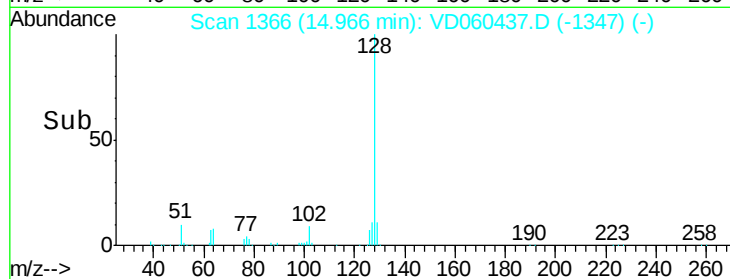
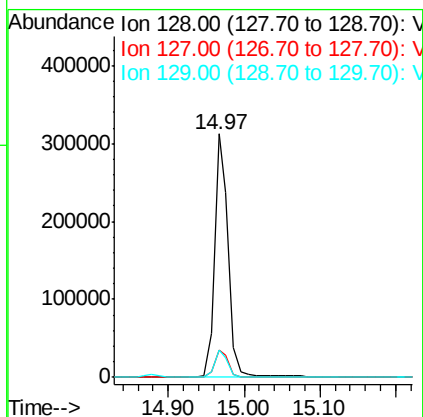
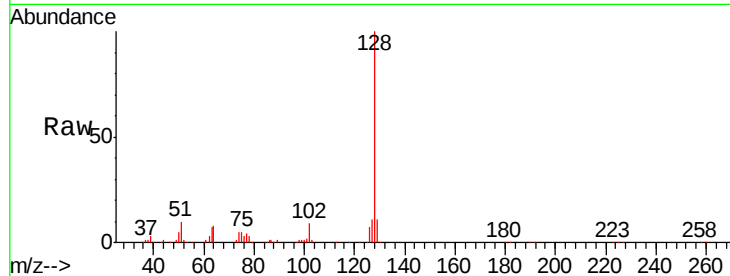




#95
Naphthalene
Concen: 19.74 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBSD01

Tgt Ion:128 Resp: 400662
Ion Ratio Lower Upper
128 100
127 11.4 9.6 14.4
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.60 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060437.D
Acq: 21 Nov 2018 12:44

Tgt Ion:180 Resp: 260996
Ion Ratio Lower Upper
180 100
182 95.6 48.9 146.7
145 29.5 12.9 38.6

