

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
 Data File : VD060436.D
 Acq On : 21 Nov 2018 12:16
 Operator : JC/SY
 Sample : VD1121SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Quant Time: Nov 21 14:10:16 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	6.42	168	1370900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1892220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1455157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	723244	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	445695	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	
35) Dibromofluoromethane	6.33	113	687681	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	9.46	98	1906774	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
62) 4-Bromofluorobenzene	12.43	95	674077	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	270472	22.65	ug/l	97
3) Chloromethane	1.76	50	263651	20.30	ug/l	99
4) Vinyl Chloride	1.86	62	216243	20.39	ug/l	99
5) Bromomethane	2.16	94	44646	17.74	ug/l	97
6) Chloroethane	2.27	64	63154	17.95	ug/l	98
7) Trichlorofluoromethane	2.52	101	259071	20.72	ug/l	99
8) Diethyl Ether	2.84	74	42718	18.87	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.10	101	177860	21.63	ug/l	97
10) Methyl Iodide	3.26	142	182986	17.13	ug/l	97
11) Tert butyl alcohol	3.98	59	37092	92.02	ug/l	98
12) 1,1-Dichloroethene	3.08	96	138466	20.70	ug/l	97
13) Acrolein	2.99	56	32542	68.33	ug/l	93
14) Allyl chloride	3.54	41	253540	19.81	ug/l	96
15) Acrylonitrile	4.09	53	232533	98.93	ug/l	99
16) Acetone	3.17	43	173711	102.02	ug/l	99
17) Carbon Disulfide	3.33	76	403031	18.67	ug/l	98
18) Methyl Acetate	3.56	43	68594	18.89	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	388473	19.39	ug/l	97
20) Methylene Chloride	3.73	84	356821	23.62	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	312697	21.05	ug/l	94
22) Diisopropyl ether	4.86	45	963300	20.15	ug/l	97
23) Vinyl Acetate	4.81	43	2347921	98.68	ug/l	99
24) 1,1-Dichloroethane	4.76	63	503961	20.55	ug/l	99
25) 2-Butanone	5.63	43	334802	94.60	ug/l	98
26) 2,2-Dichloropropane	5.60	77	408989	21.45	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	323459	20.91	ug/l	96
28) Bromochloromethane	5.93	49	224945	20.79	ug/l	95
29) Tetrahydrofuran	5.96	42	170496	91.37	ug/l	99
30) Chloroform	6.11	83	519543	21.19	ug/l	99
31) Cyclohexane	6.37	56	464821	19.83	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	421780	20.43	ug/l	98
36) 1,1-Dichloropropene	6.53	75	395165	21.14	ug/l	98
37) Ethyl Acetate	5.70	43	177546	20.64	ug/l #	95
38) Carbon Tetrachloride	6.51	117	362946	20.93	ug/l	99

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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)
39) Methylcyclohexane	8.04	83	434433	20.20	ug/l	99
40) Benzene	6.80	78	972598	20.38	ug/l	99
41) Methacrylonitrile	5.96	41	186322	18.92	ug/l #	89
42) 1,2-Dichloroethane	6.90	62	248822	19.92	ug/l	98
43) Isopropyl Acetate	8.35	43	197032	18.23	ug/l #	96
44) Trichloroethene	7.75	130	303557	20.98	ug/l	96
45) 1,2-Dichloropropane	8.11	63	244263	20.30	ug/l	96
46) Dibromomethane	8.22	93	142081	20.16	ug/l	97
47) Bromodichloromethane	8.49	83	336851	20.28	ug/l	98
48) Methyl methacrylate	8.25	41	126439	19.26	ug/l	97
49) 1,4-Dioxane	8.23	88	22574	397.50	ug/l #	75
51) 4-Methyl-2-Pentanone	9.34	43	669906	95.25	ug/l	98
52) Toluene	9.56	92	635441	20.85	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	268766	19.15	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	354960	19.72	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	174515	19.75	ug/l	98
56) Ethyl methacrylate	10.03	69	153336	18.88	ug/l	98
57) 1,3-Dichloropropane	10.38	76	253769	18.85	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	475127	96.73	ug/l	98
59) 2-Hexanone	10.49	43	486958	97.15	ug/l	98
60) Dibromochloromethane	10.64	129	210795	19.63	ug/l	94
61) 1,2-Dibromoethane	10.76	107	172339	19.47	ug/l	97
64) Tetrachloroethene	10.26	164	280586	21.60	ug/l	98
65) Chlorobenzene	11.32	112	675379	21.42	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	223347	21.65	ug/l	97
67) Ethyl Benzene	11.43	91	1208333	22.40	ug/l	97
68) m/p-Xylenes	11.56	106	870594	43.76	ug/l	93
69) o-Xylene	11.94	106	423044	22.01	ug/l	98
70) Styrene	11.96	104	663992	21.38	ug/l	98
71) Bromoform	12.12	173	135287	19.52	ug/l #	99
73) Isopropylbenzene	12.28	105	1184985	22.49	ug/l	99
74) N-amyl acetate	12.13	43	261981	19.39	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	172288	19.99	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	171769	19.85	ug/l	99
77) Bromobenzene	12.54	156	298772	21.35	ug/l	90
78) n-propylbenzene	12.64	91	1490389	22.66	ug/l	98
79) 2-Chlorotoluene	12.71	91	792989	22.01	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	909991	22.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	47100	19.12	ug/l	87
82) 4-Chlorotoluene	12.81	91	896752	22.16	ug/l	92
83) tert-Butylbenzene	13.05	119	1030325	22.66	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	929741	22.73	ug/l	96
85) sec-Butylbenzene	13.23	105	1229015	22.03	ug/l	96
86) p-Isopropyltoluene	13.35	119	1005131	22.38	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	529253	21.25	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	526190	21.64	ug/l	97
89) n-Butylbenzene	13.65	91	1019380	20.71	ug/l	98
90) Hexachloroethane	13.86	117	232820	21.86	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	443258	21.67	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	20004	19.23	ug/l	80

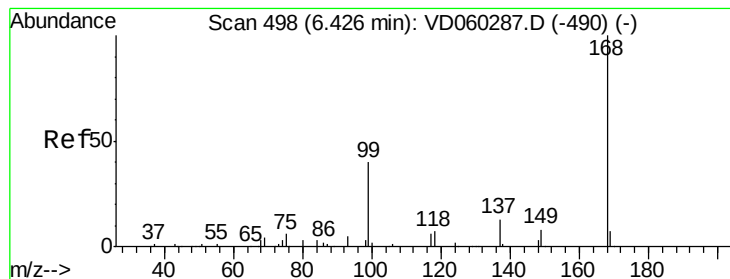
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD112118\
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Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	337705	20.82	ug/l	98
94) Hexachlorobutadiene	14.88	225	243013	20.03	ug/l	98
95) Naphthalene	14.97	128	381357	19.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	257823	19.84	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

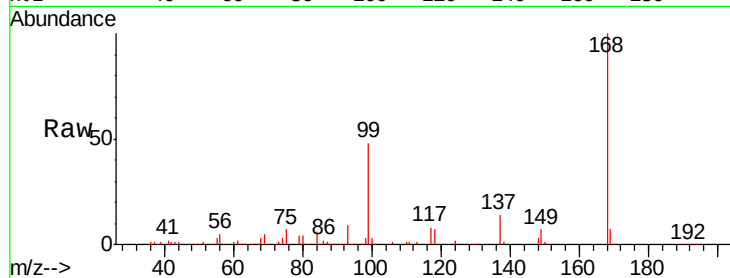
VD1121SBS01

Tgt Ion:168 Resp: 1370900

Ion Ratio Lower Upper

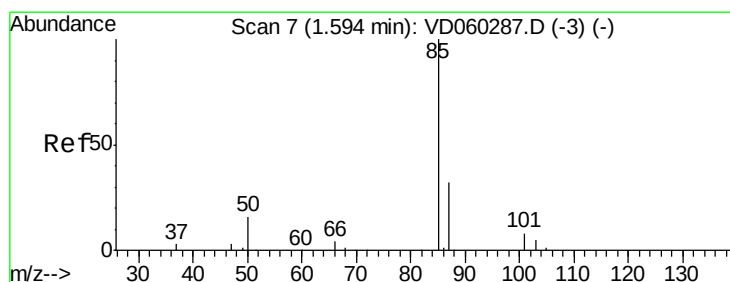
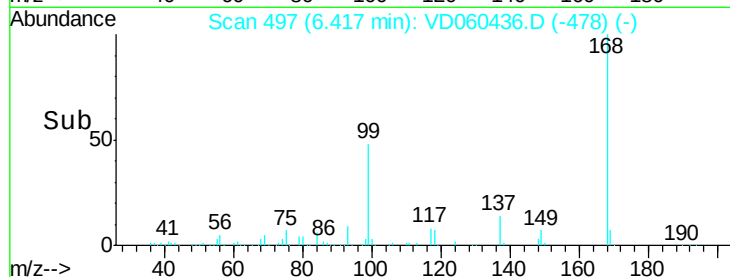
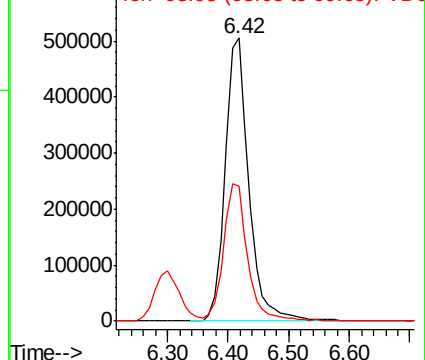
168 100

99 47.7 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: 22.65 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060436.D

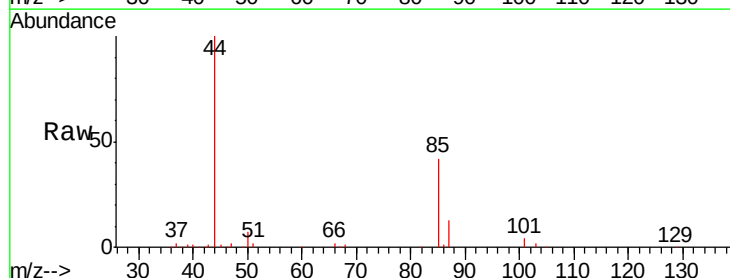
Acq: 21 Nov 2018 12:16

Tgt Ion: 85 Resp: 270472

Ion Ratio Lower Upper

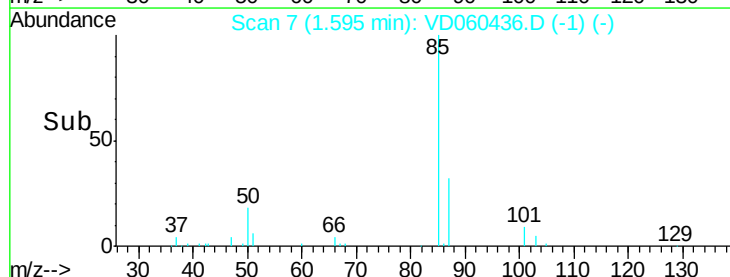
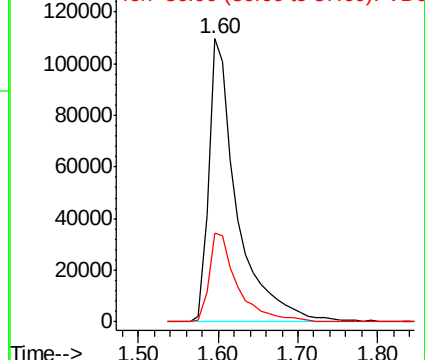
85 100

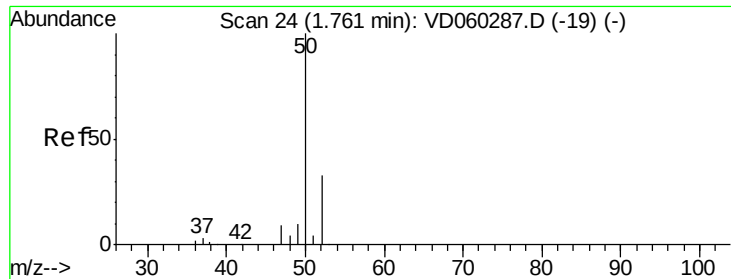
87 31.6 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.30 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

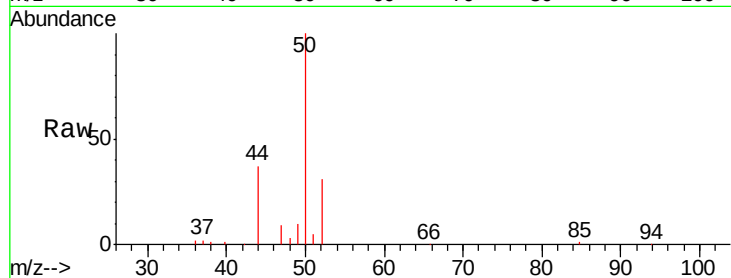
VD1121SBS01

Tgt Ion: 50 Resp: 263651

Ion Ratio Lower Upper

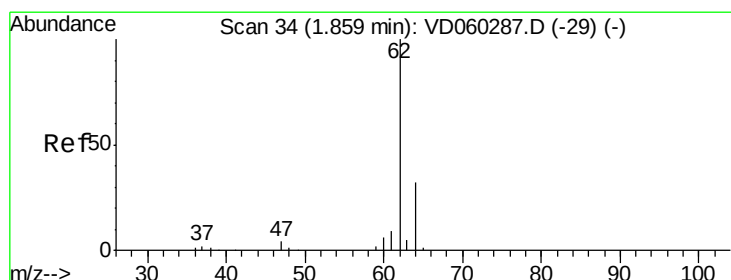
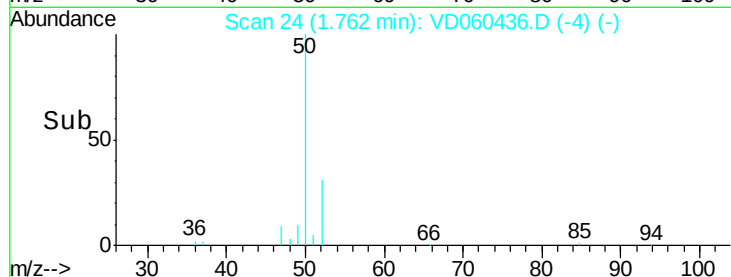
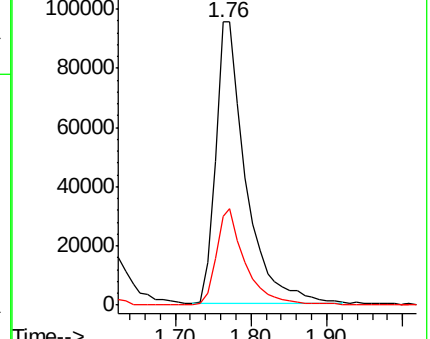
50 100

52 31.5 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: 20.39 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060436.D

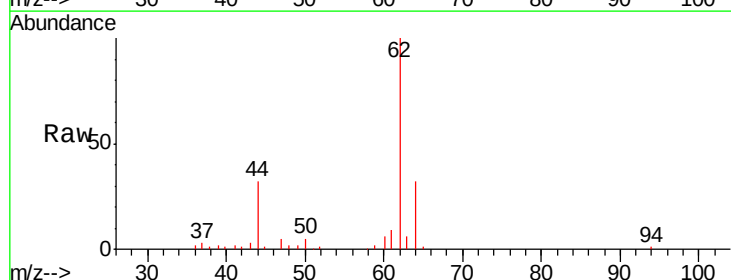
Acq: 21 Nov 2018 12:16

Tgt Ion: 62 Resp: 216243

Ion Ratio Lower Upper

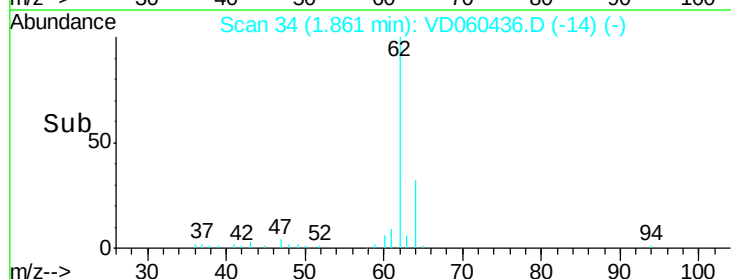
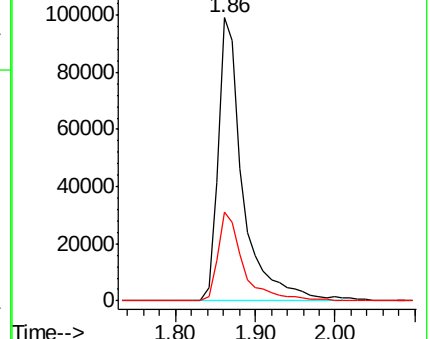
62 100

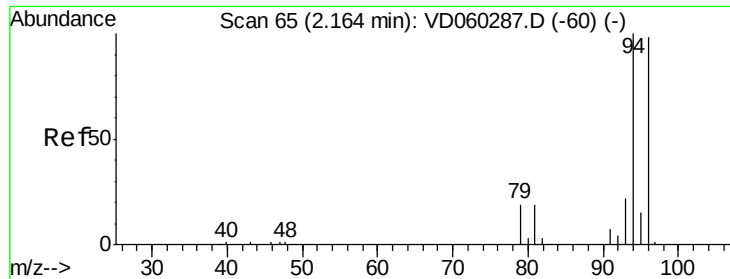
64 31.6 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.74 ug/l

RT: 2.16 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

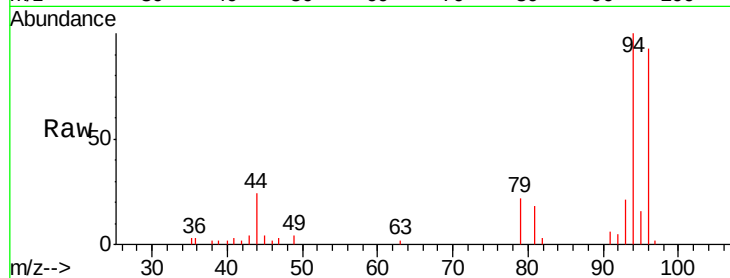
VD1121SBS01

Tgt Ion: 94 Resp: 44646

Ion Ratio Lower Upper

94 100

96 92.9 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.16

15000

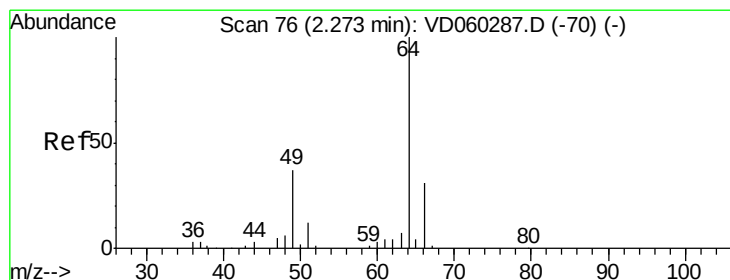
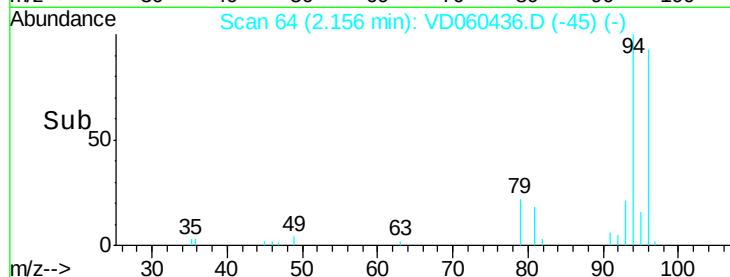
10000

5000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 17.95 ug/l

RT: 2.27 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060436.D

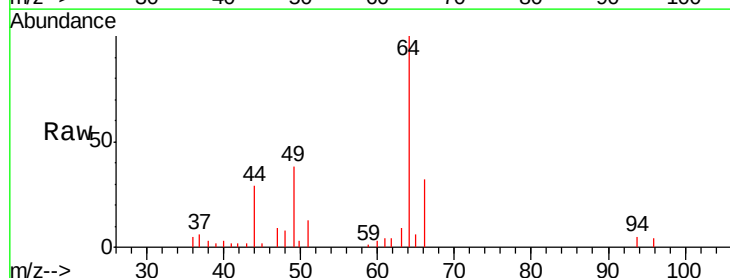
Acq: 21 Nov 2018 12:16

Tgt Ion: 64 Resp: 63154

Ion Ratio Lower Upper

64 100

66 32.0 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.27

25000

20000

15000

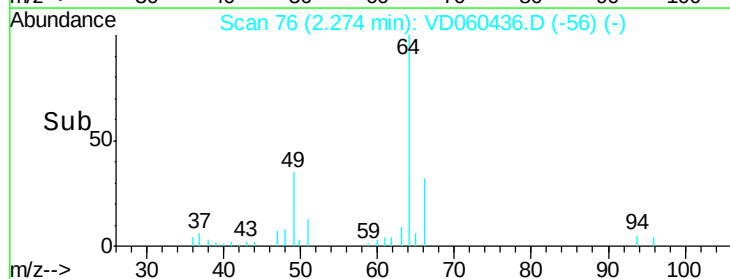
10000

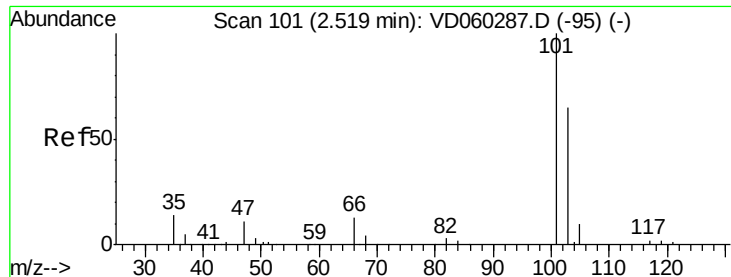
5000

0

Time-->

2.20 2.30 2.40 2.50



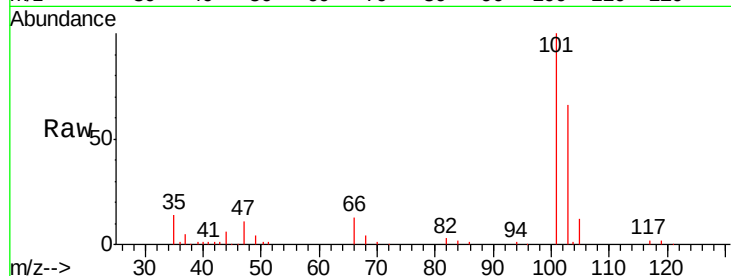


#7

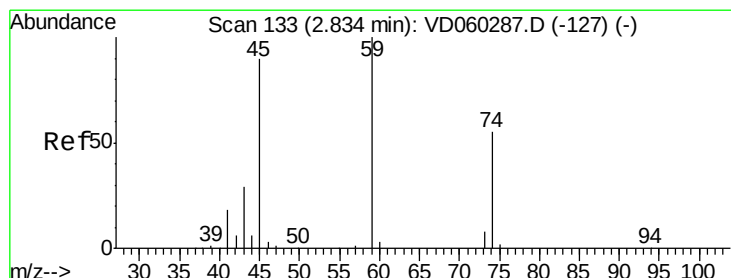
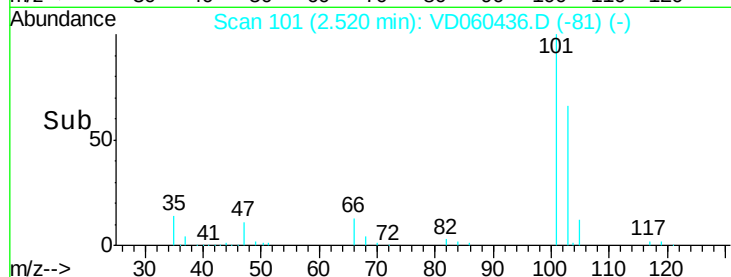
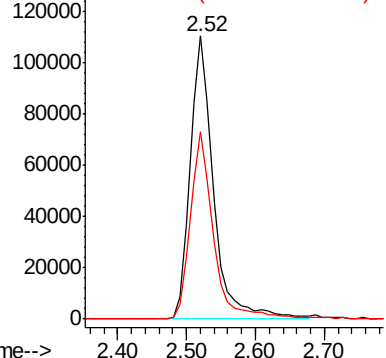
Trichlorofluoromethane
Concen: 20.72 ug/l
RT: 2.52 min Scan# 101
Delta R.T. 0.00 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tgt Ion: 101 Resp: 259071
Ion Ratio Lower Upper
101 100
103 66.2 53.6 80.4



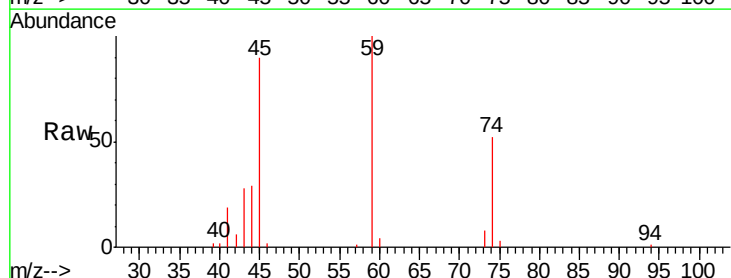
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



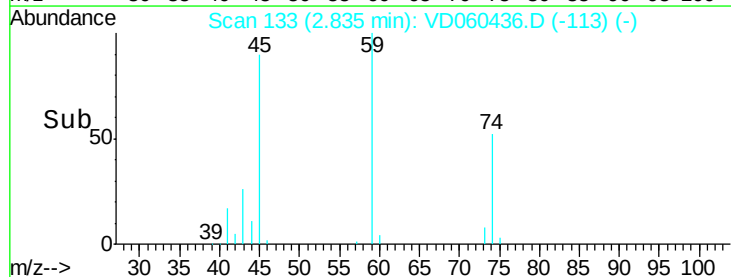
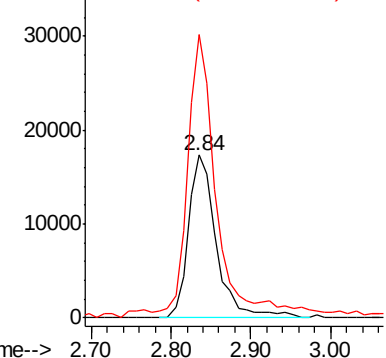
#8

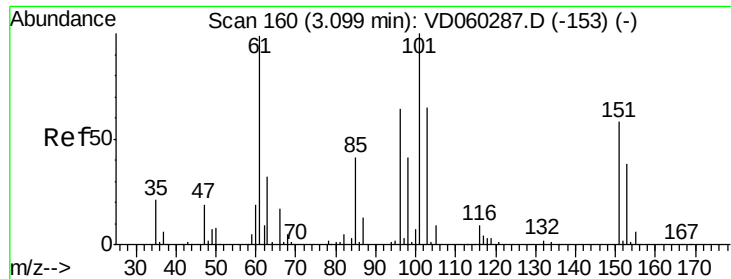
Diethyl Ether
Concen: 18.87 ug/l
RT: 2.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion: 74 Resp: 42718
Ion Ratio Lower Upper
74 100
45 173.7 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: 21.63 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

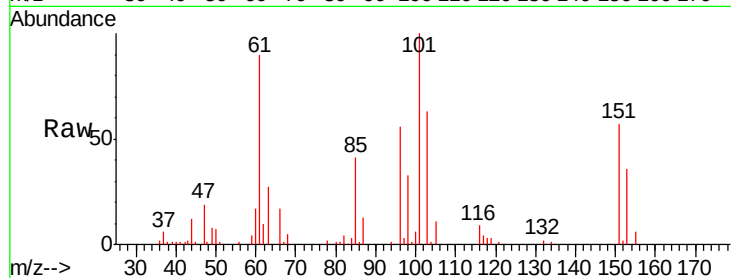
Tgt Ion:101 Resp: 177860

Ion Ratio Lower Upper

101 100

85 41.5 31.4 47.0

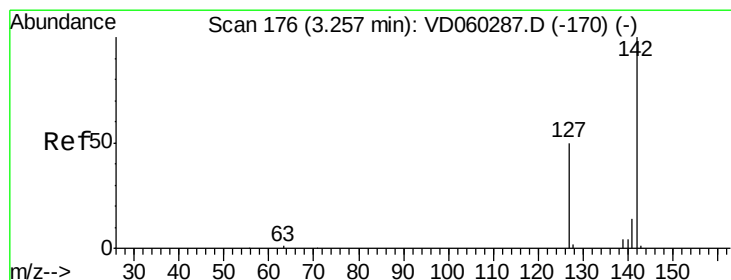
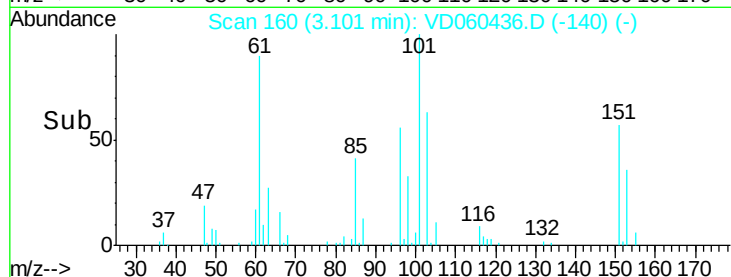
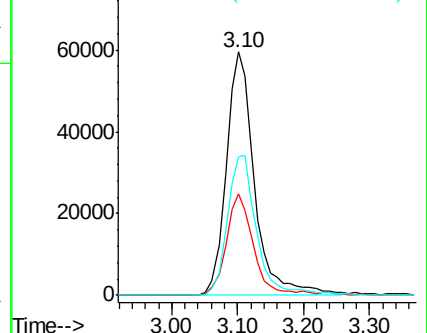
151 57.2 47.4 71.0



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: 17.13 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

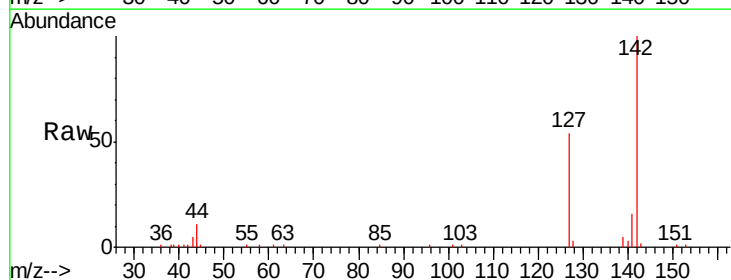
Tgt Ion:142 Resp: 182986

Ion Ratio Lower Upper

142 100

127 54.0 41.0 61.6

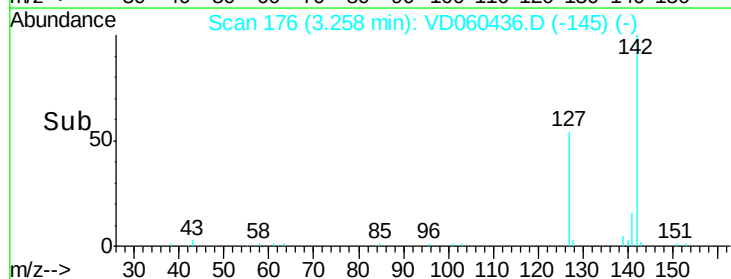
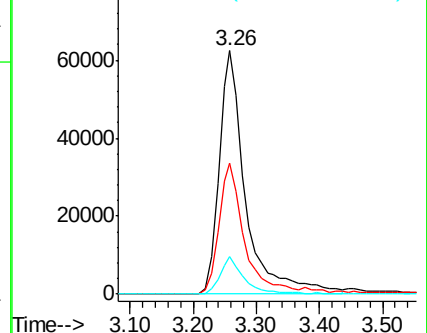
141 15.5 11.9 17.9

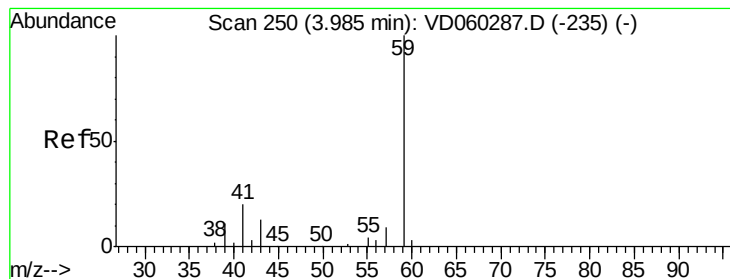


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 92.02 ug/l

RT: 3.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

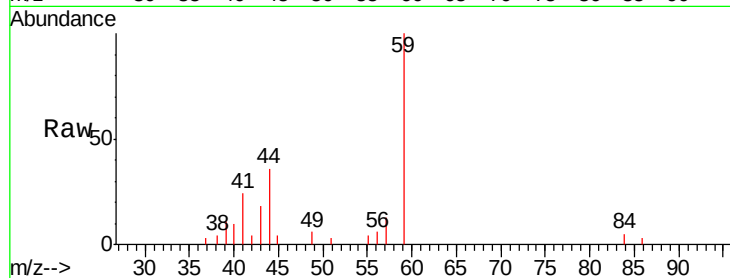
VD1121SBS01

Tgt Ion: 59 Resp: 37092

Ion Ratio Lower Upper

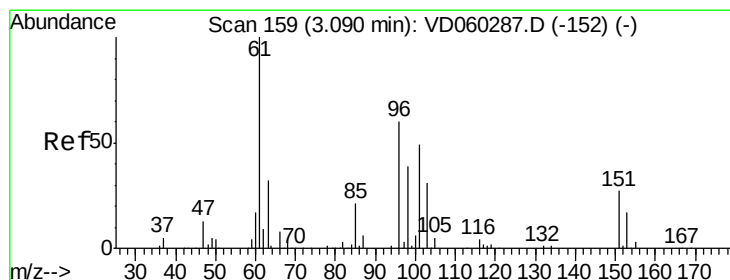
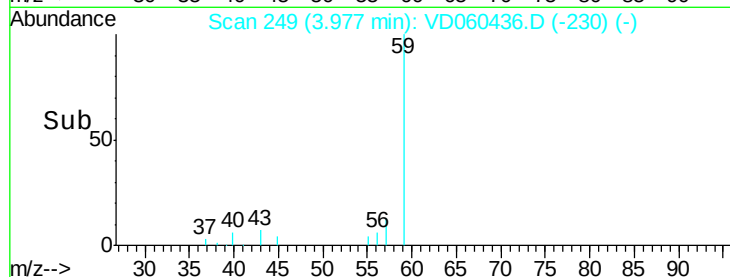
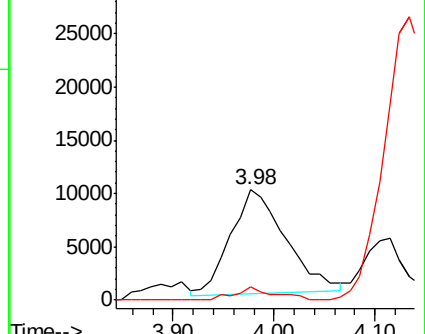
59 100

57 12.6 9.3 13.9



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.70 ug/l

RT: 3.08 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

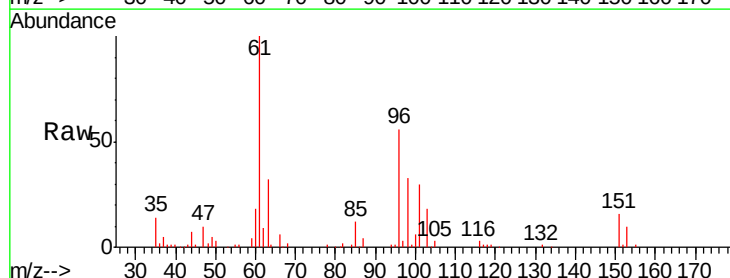
Tgt Ion: 96 Resp: 138466

Ion Ratio Lower Upper

96 100

61 179.3 142.2 213.4

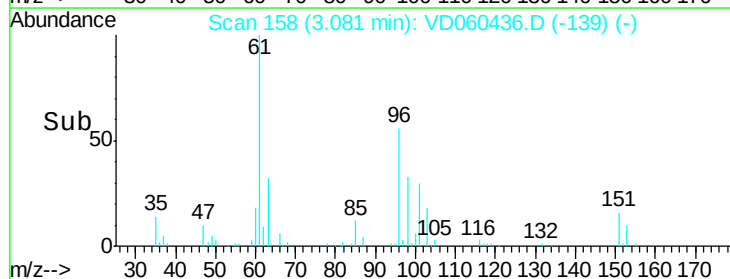
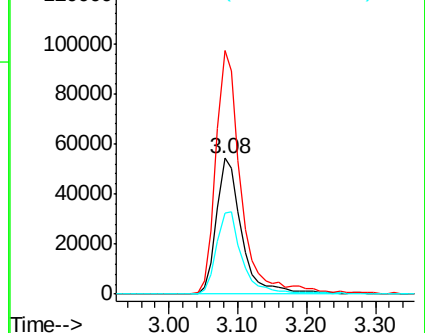
98 59.8 52.6 79.0

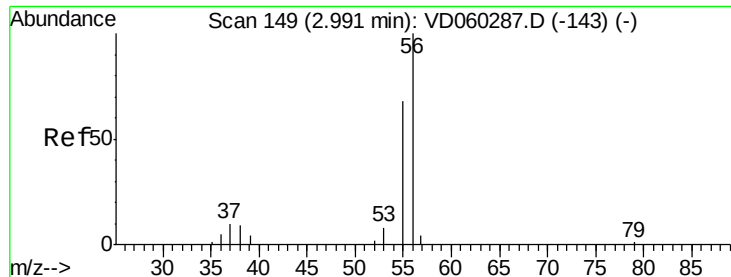


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 68.33 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

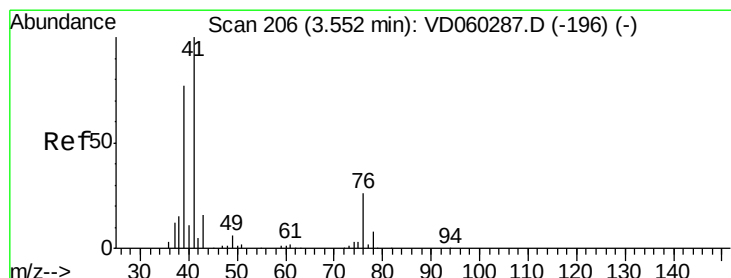
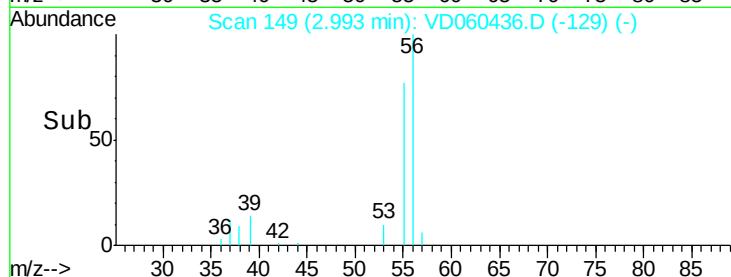
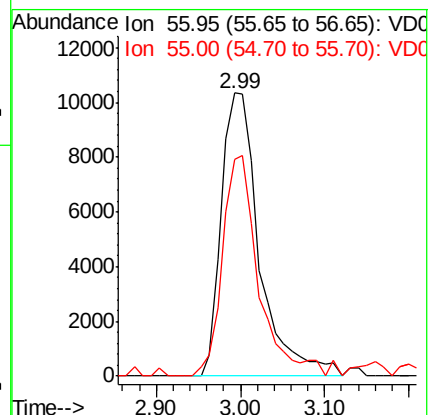
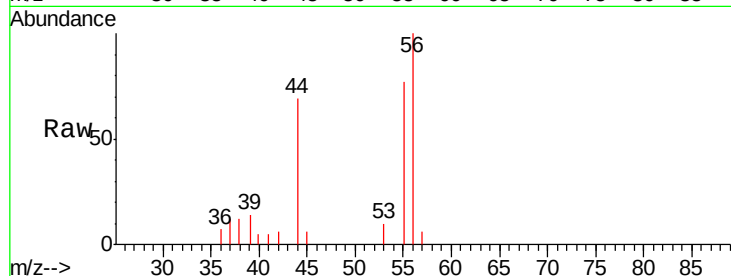
VD1121SBS01

Tgt Ion: 56 Resp: 32542

Ion Ratio Lower Upper

56 100

55 76.7 57.0 85.6



#14

Allyl chloride

Concen: 19.81 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

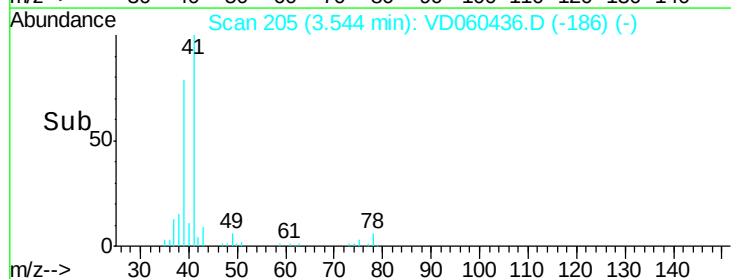
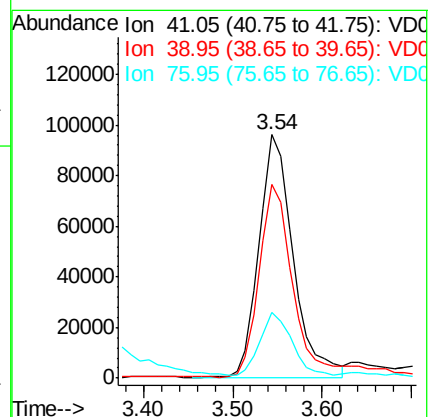
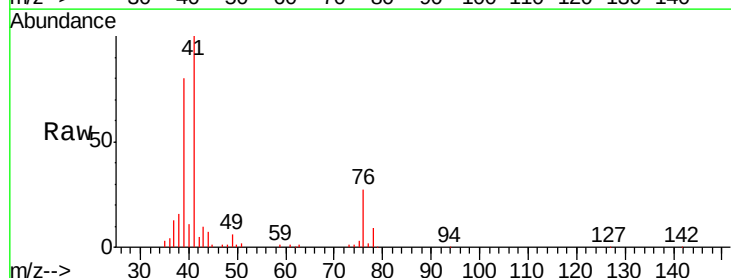
Tgt Ion: 41 Resp: 253540

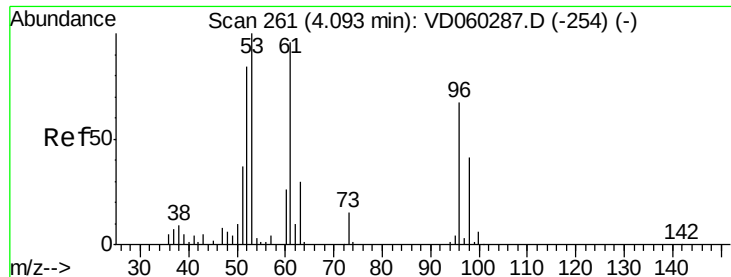
Ion Ratio Lower Upper

41 100

39 79.6 60.4 90.6

76 27.1 21.8 32.8





#15

Acrylonitrile

Concen: 98.93 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

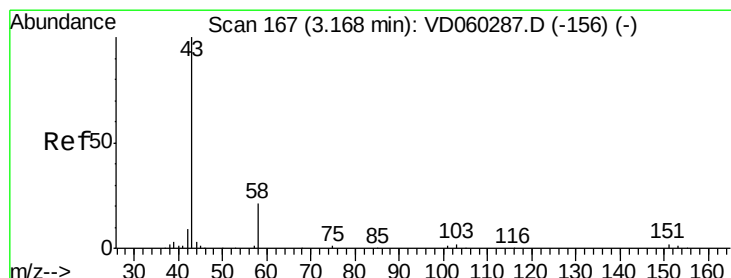
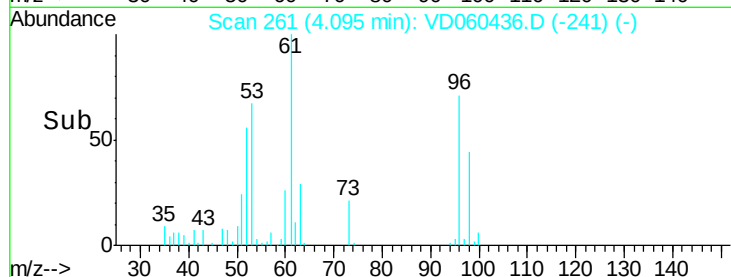
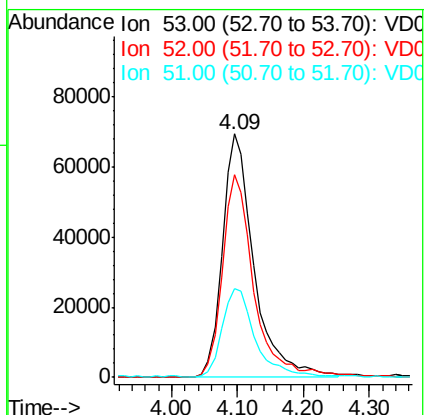
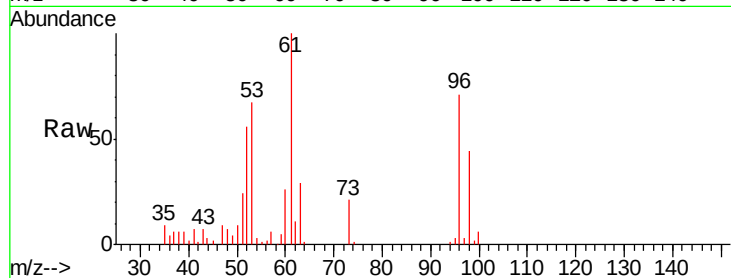
Tgt Ion: 53 Resp: 232533

Ion Ratio Lower Upper

53 100

52 83.4 67.0 100.4

51 36.4 29.9 44.9



#16

Acetone

Concen: 102.02 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060436.D

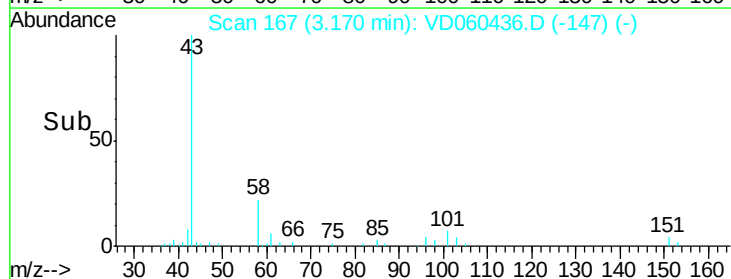
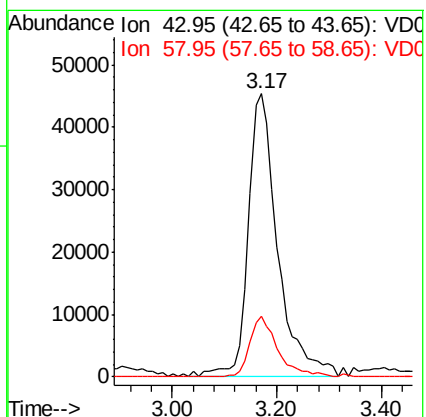
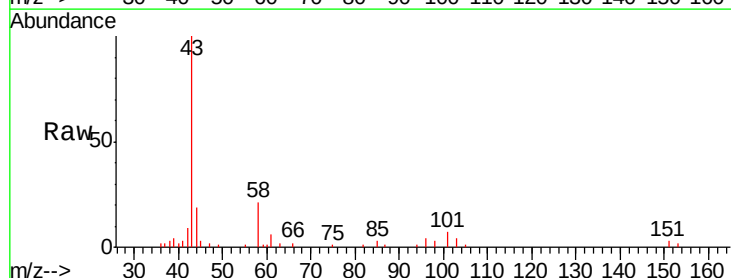
Acq: 21 Nov 2018 12:16

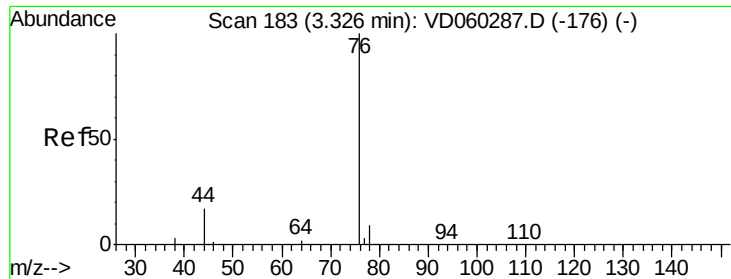
Tgt Ion: 43 Resp: 173711

Ion Ratio Lower Upper

43 100

58 21.4 16.9 25.3





#17

Carbon Disulfide

Concen: 18.67 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

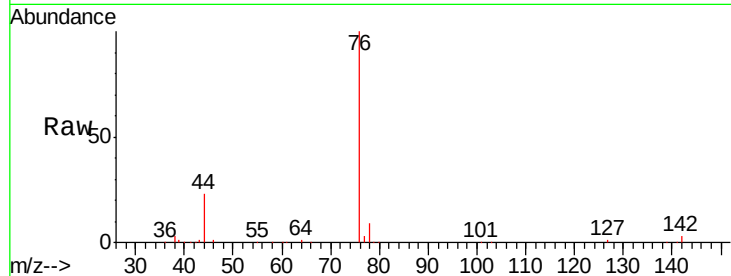
VD1121SBS01

Tgt Ion: 76 Resp: 403031

Ion Ratio Lower Upper

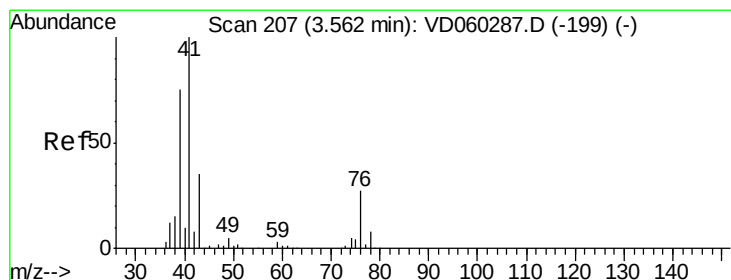
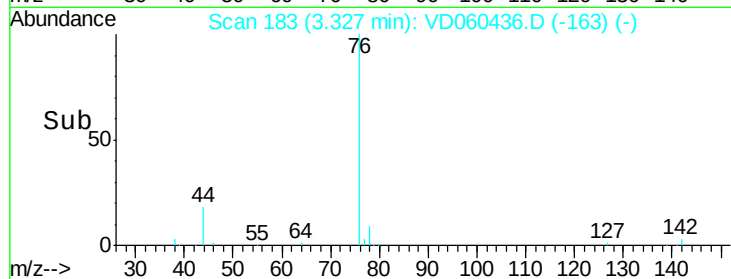
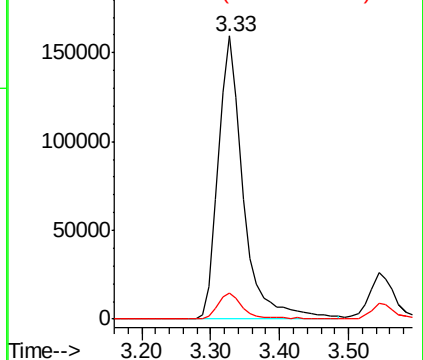
76 100

78 9.3 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: 18.89 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060436.D

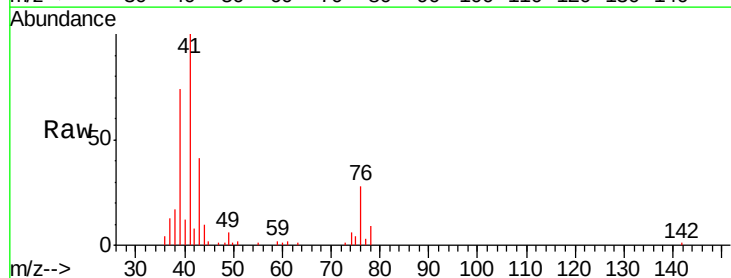
Acq: 21 Nov 2018 12:16

Tgt Ion: 43 Resp: 68594

Ion Ratio Lower Upper

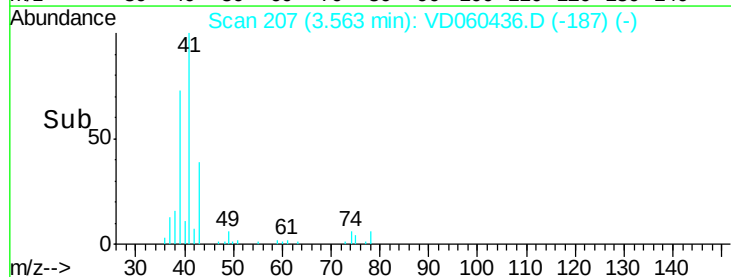
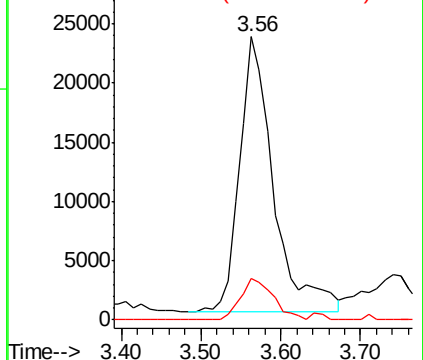
43 100

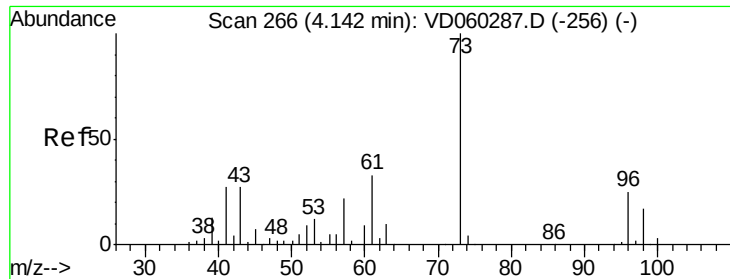
74 14.4 12.4 18.6



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: 19.39 ug/l

RT: 4.13 min Scan# 265

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

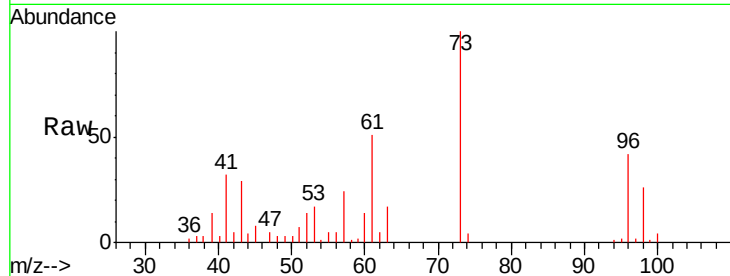
VD1121SBS01

Tgt Ion: 73 Resp: 388473

Ion Ratio Lower Upper

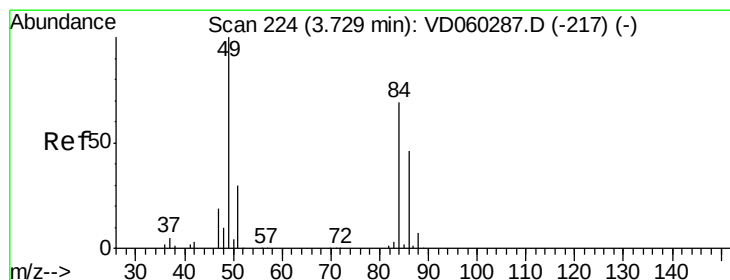
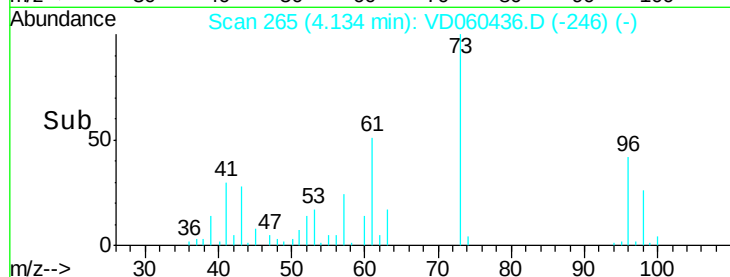
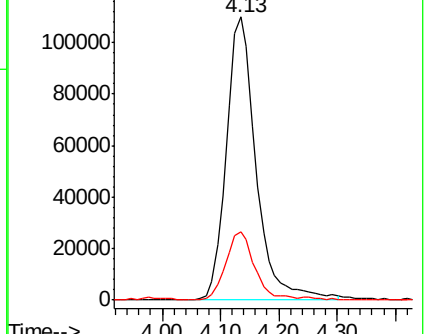
73 100

57 24.2 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 23.62 ug/l

RT: 3.73 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Tgt Ion: 84 Resp: 356821

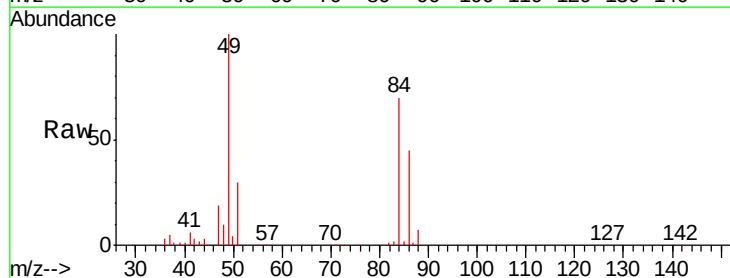
Ion Ratio Lower Upper

84 100

49 142.4 115.6 173.4

51 42.7 35.6 53.4

86 64.3 52.3 78.5

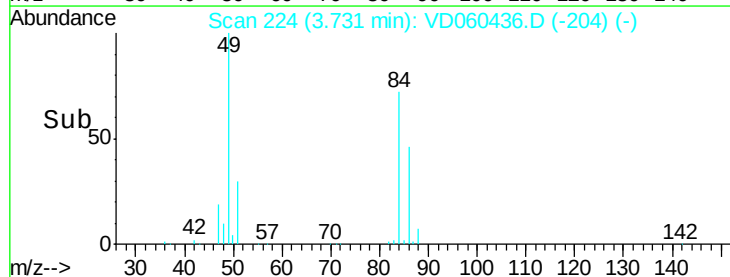
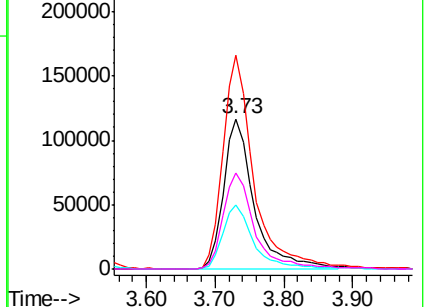


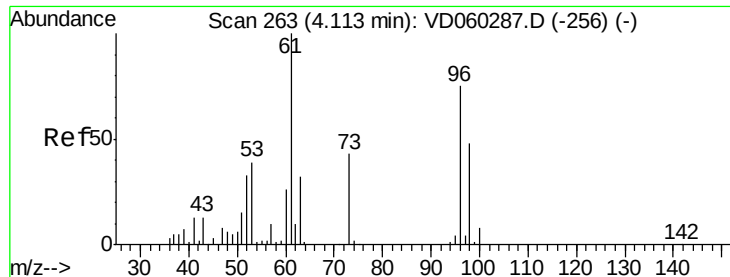
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 21.05 ug/l

RT: 4.11 min Scan# 263

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

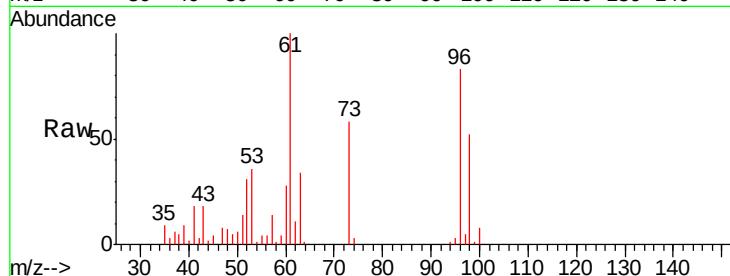
Tgt Ion: 96 Resp: 312697

Ion Ratio Lower Upper

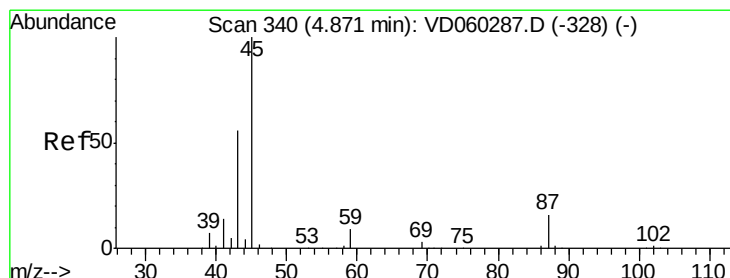
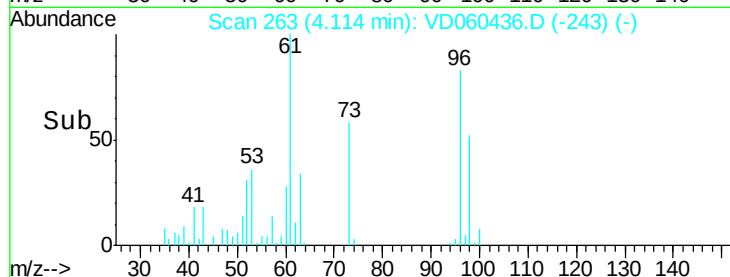
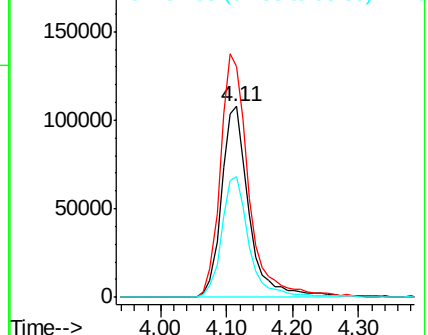
96 100

61 121.2 105.8 158.6

98 63.6 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: 20.15 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Tgt Ion: 45 Resp: 963300

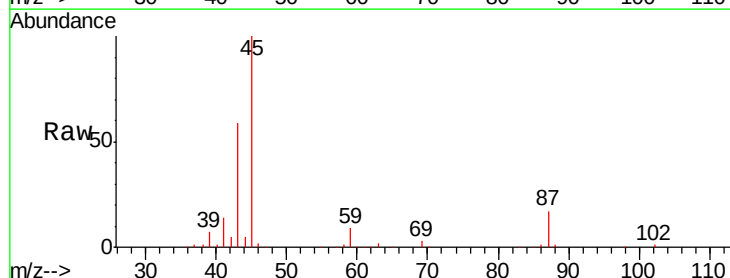
Ion Ratio Lower Upper

45 100

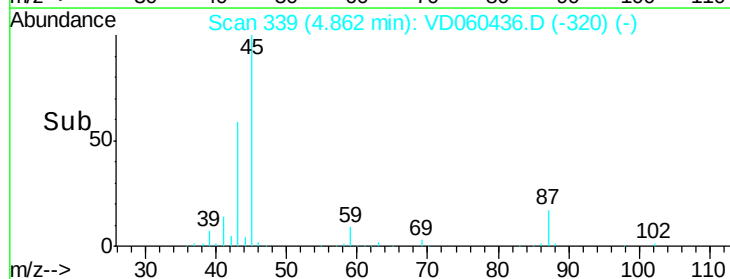
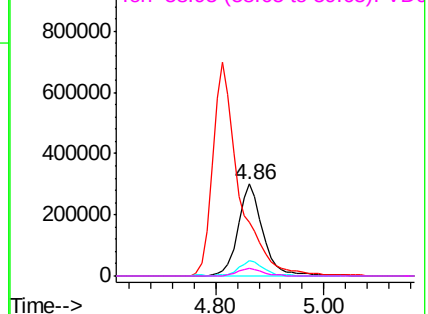
43 58.7 44.9 67.3

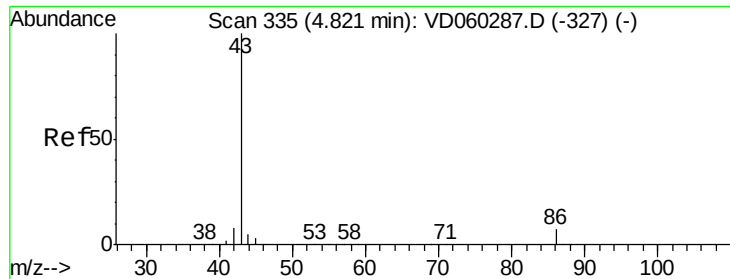
87 17.0 13.9 20.9

59 8.6 7.0 10.6



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

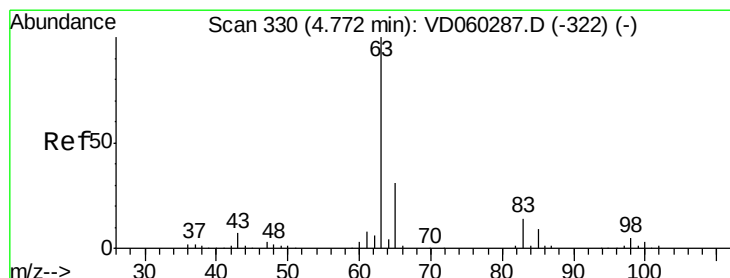
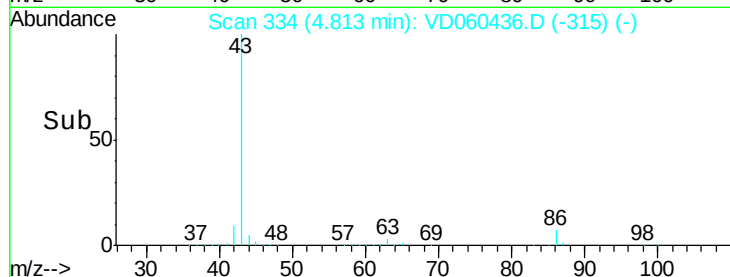
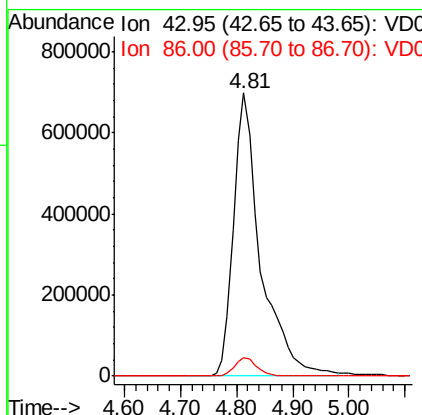
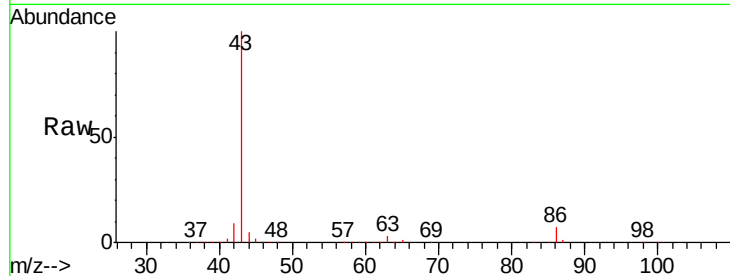




#23
 Vinyl Acetate
 Concen: 98.68 ug/l
 RT: 4.81 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

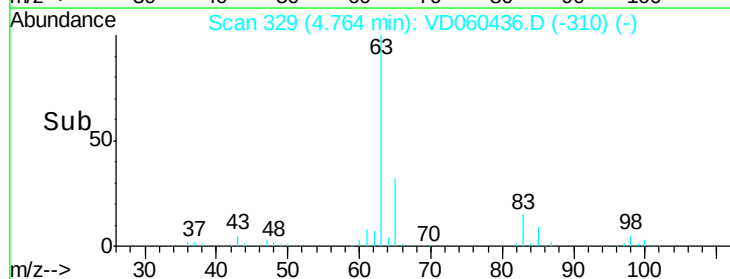
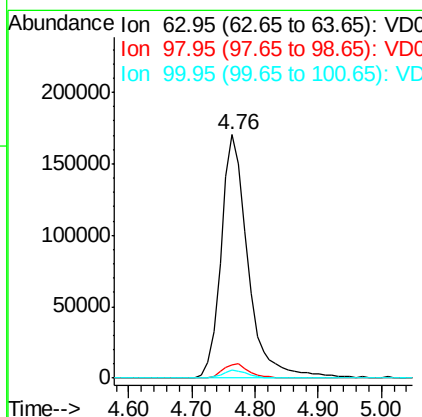
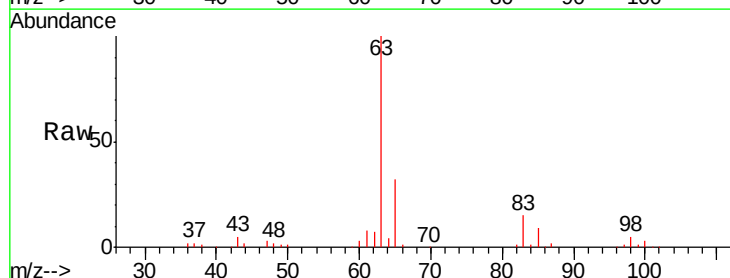
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

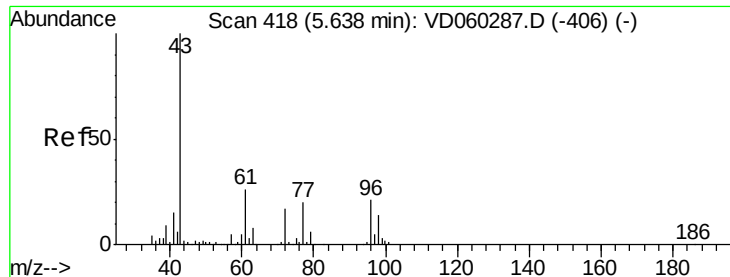
Tgt Ion: 43 Resp: 2347921
 Ion Ratio Lower Upper
 43 100
 86 6.7 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 20.55 ug/l
 RT: 4.76 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 63 Resp: 503961
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.8 8.4
 100 3.1 1.8 5.5





#25

2-Butanone

Concen: 94.60 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

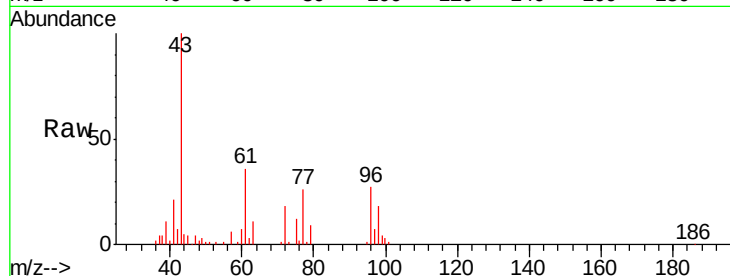
VD1121SBS01

Tgt Ion: 43 Resp: 334802

Ion Ratio Lower Upper

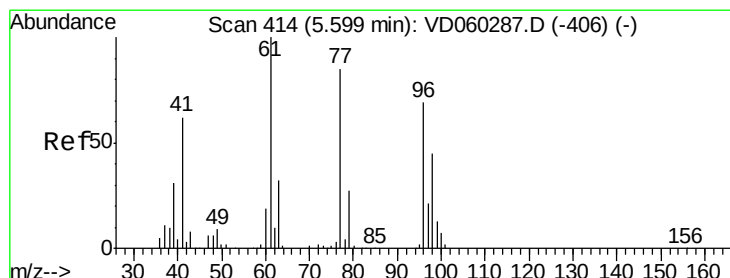
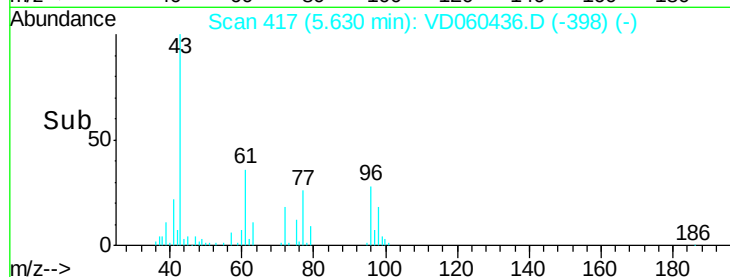
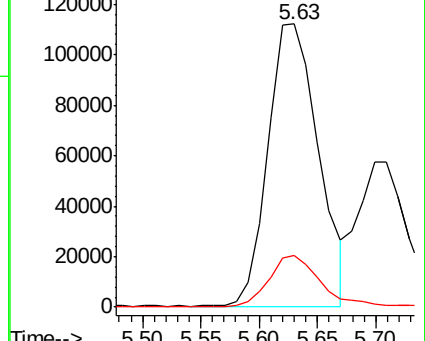
43 100

72 18.3 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: 21.45 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060436.D

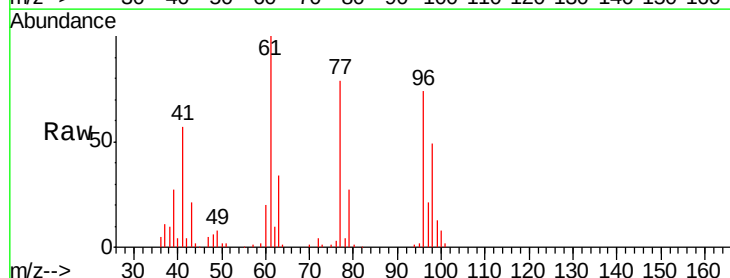
Acq: 21 Nov 2018 12:16

Tgt Ion: 77 Resp: 408989

Ion Ratio Lower Upper

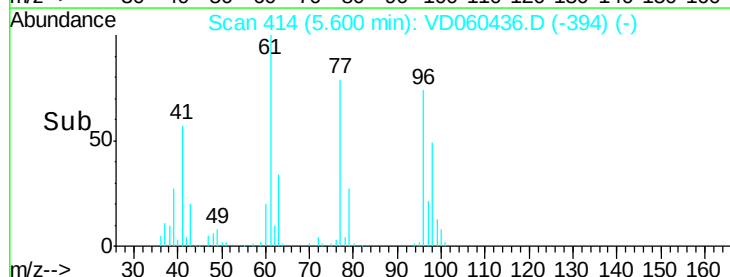
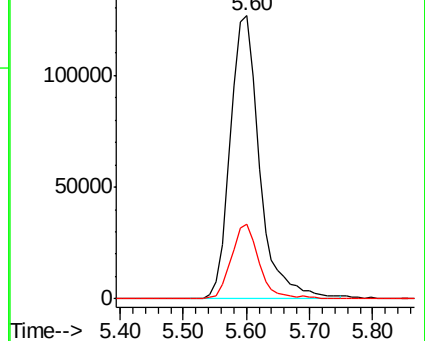
77 100

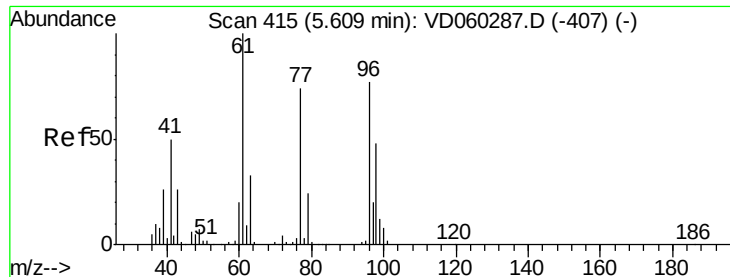
97 26.5 12.6 37.8



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: 20.91 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

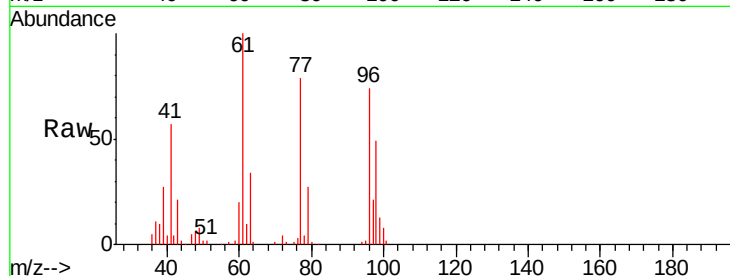
Tgt Ion: 96 Resp: 323459

Ion Ratio Lower Upper

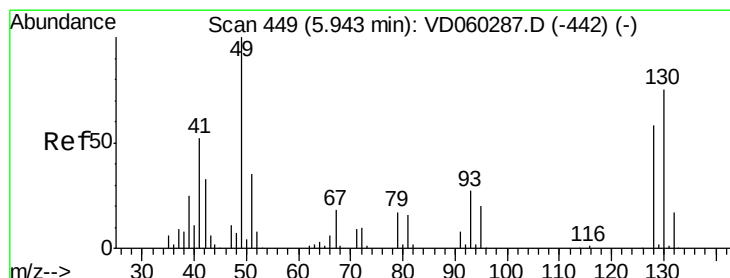
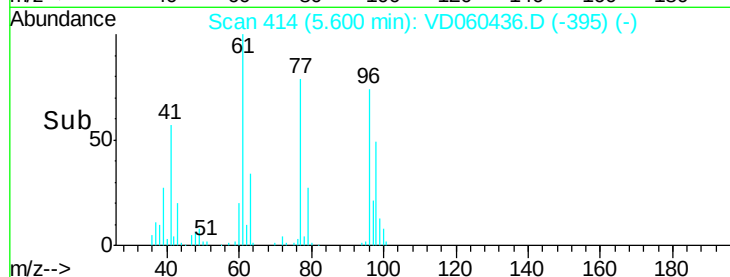
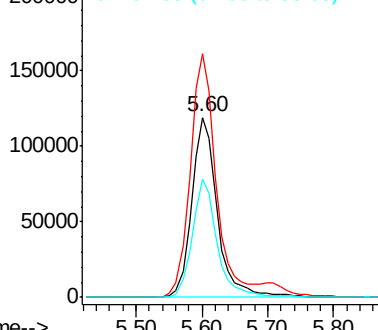
96 100

61 135.5 0.0 259.0

98 66.0 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: 20.79 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

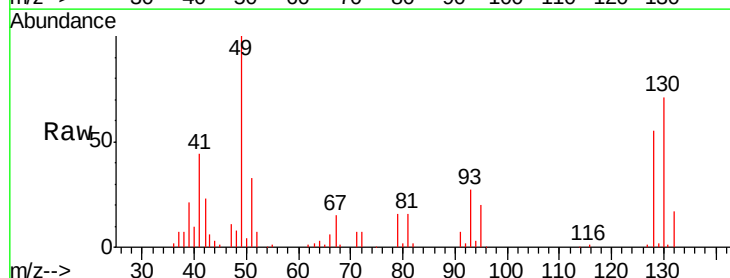
Tgt Ion: 49 Resp: 224945

Ion Ratio Lower Upper

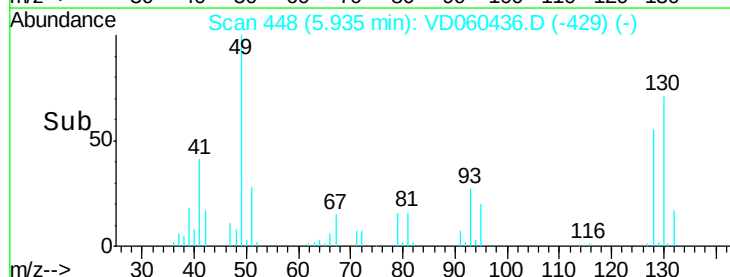
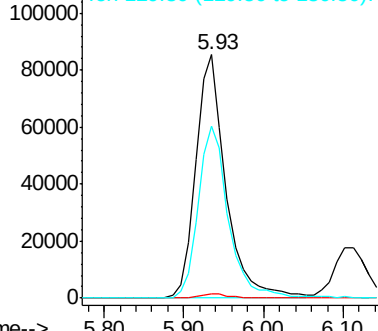
49 100

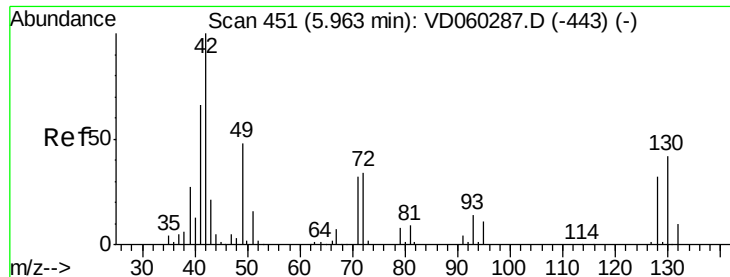
129 1.9 0.0 2.8

130 70.8 53.6 80.4



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

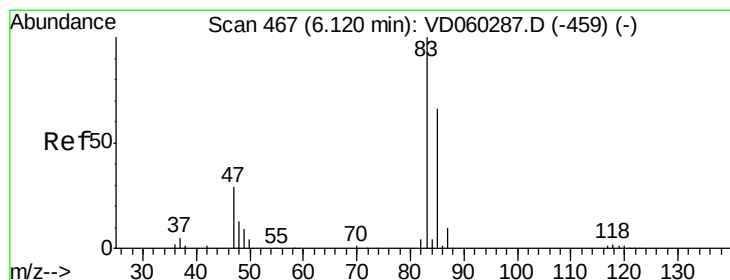
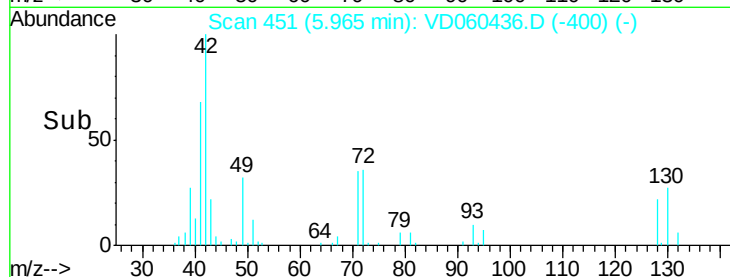
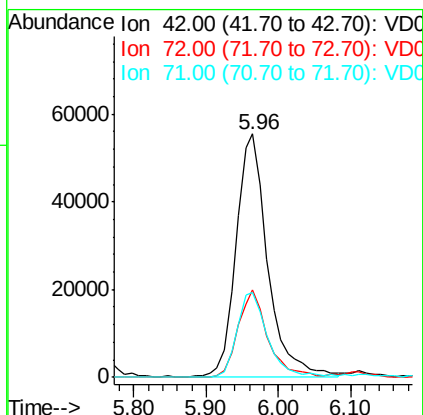
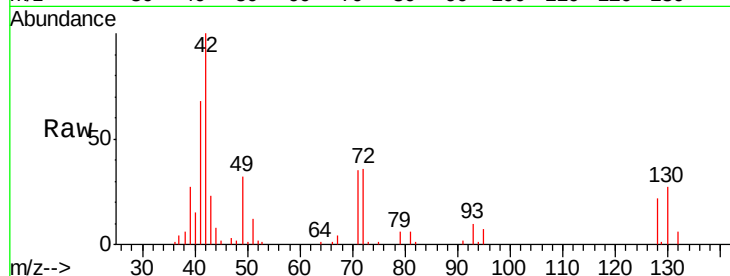




#29
Tetrahydrofuran
Concen: 91.37 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

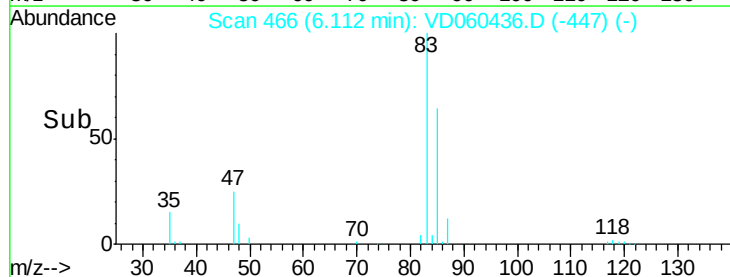
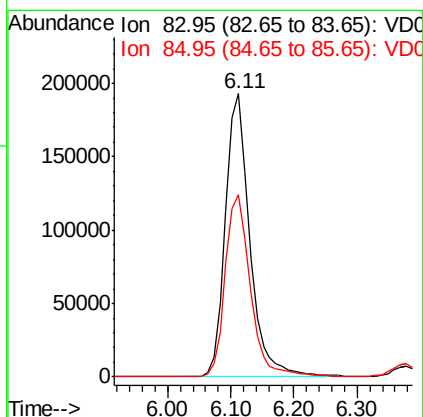
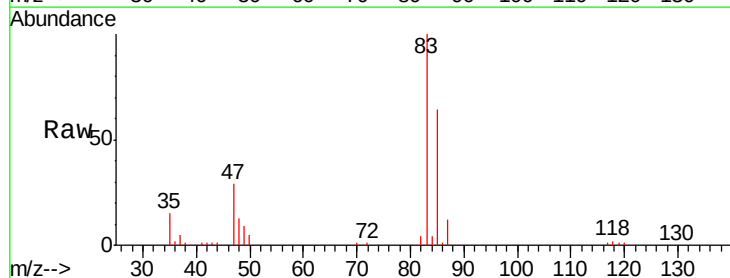
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

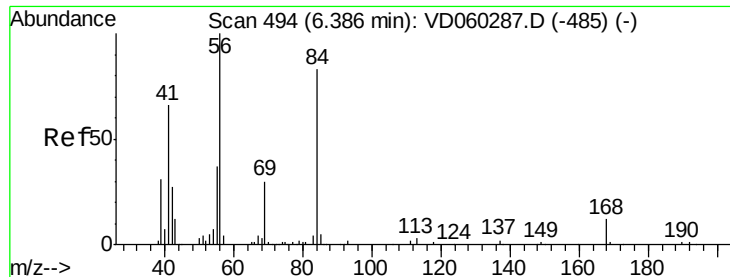
Tgt Ion: 42 Resp: 170496
Ion Ratio Lower Upper
42 100
72 33.6 27.6 41.4
71 33.6 26.5 39.7



#30
Chloroform
Concen: 21.19 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion: 83 Resp: 519543
Ion Ratio Lower Upper
83 100
85 64.5 52.5 78.7

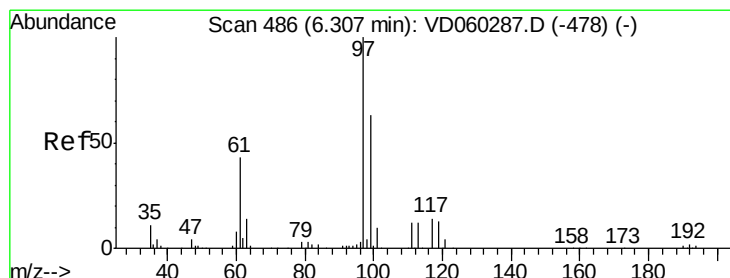
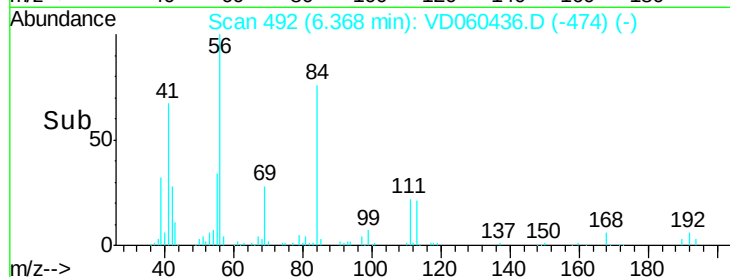
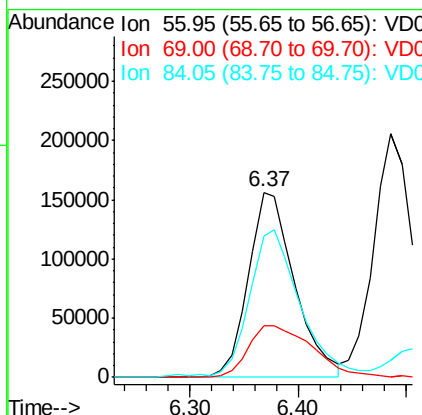
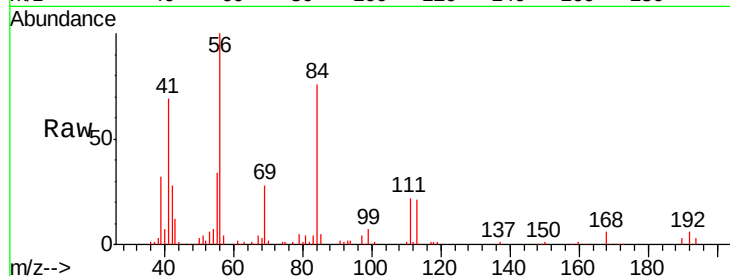




#31
Cyclohexane
Concen: 19.83 ug/l
RT: 6.37 min Scan# 492
Delta R.T. -0.02 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

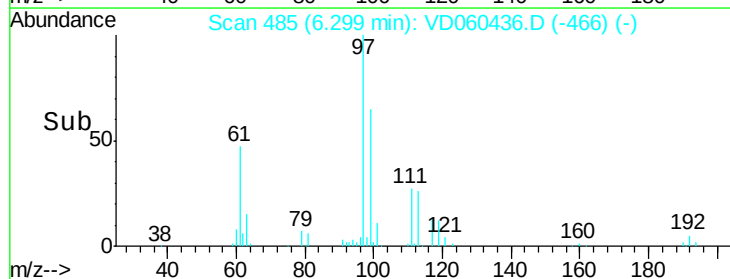
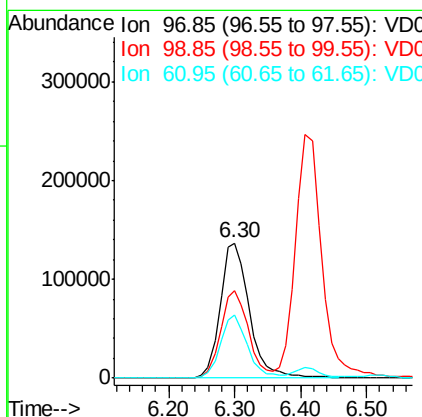
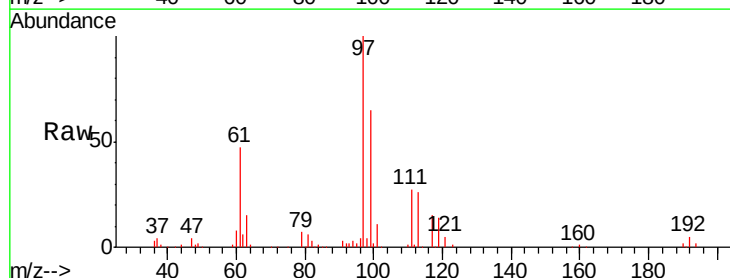
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

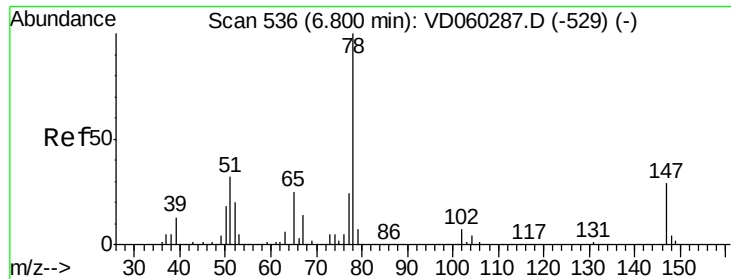
Tgt Ion: 56 Resp: 464821
Ion Ratio Lower Upper
56 100
69 28.3 22.2 33.2
84 76.5 63.0 94.4



#32
1,1,1-Trichloroethane
Concen: 20.43 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion: 97 Resp: 421780
Ion Ratio Lower Upper
97 100
99 65.3 51.5 77.3
61 46.9 35.8 53.8

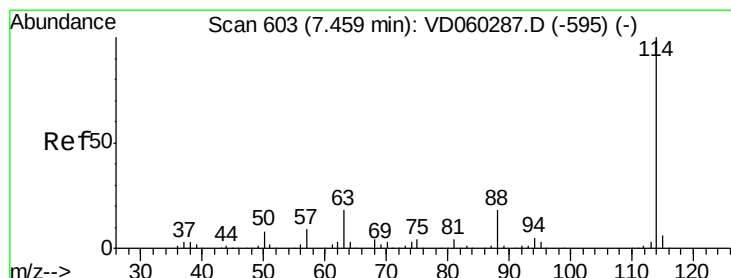
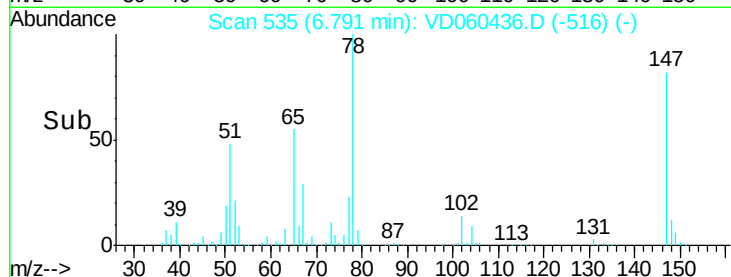
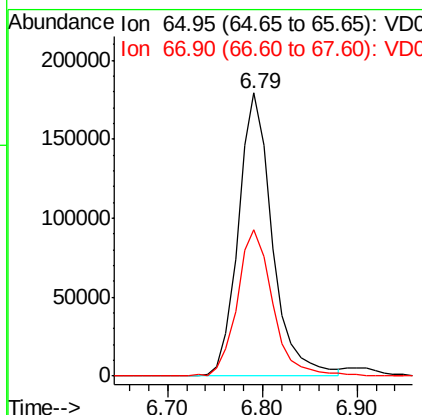
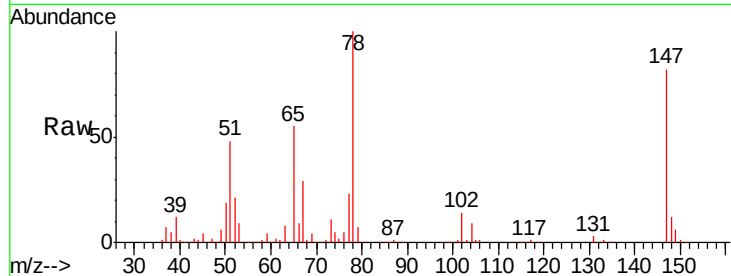




#33
 1,2-Dichloroethane-d4
 Concen: 20.43 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

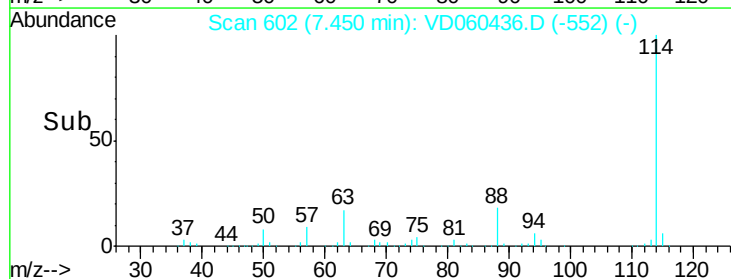
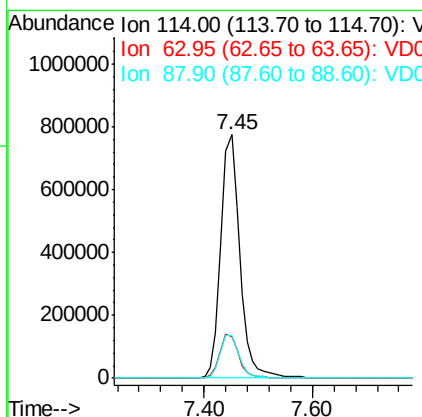
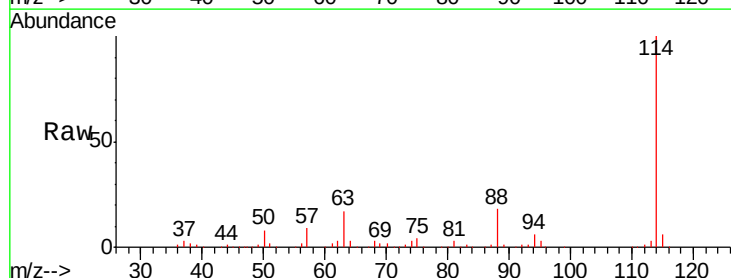
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

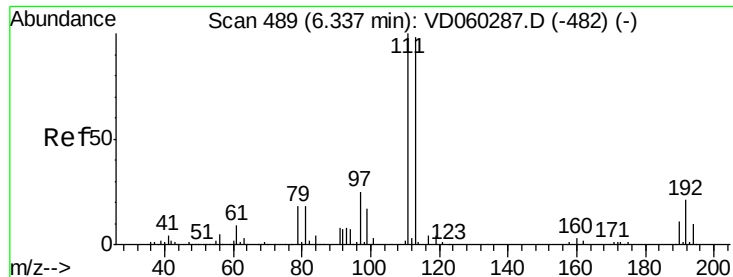
Tgt Ion: 65 Resp: 445695
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 114 Resp: 1892220
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.0
 88 17.7 0.0 35.4

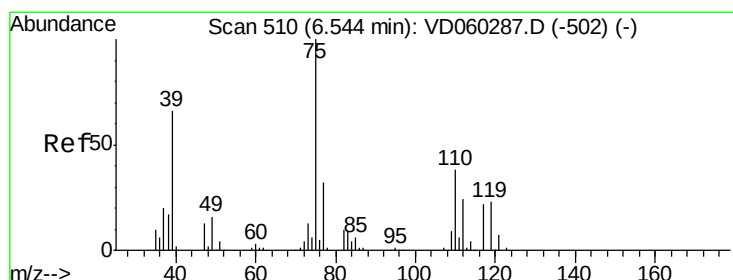
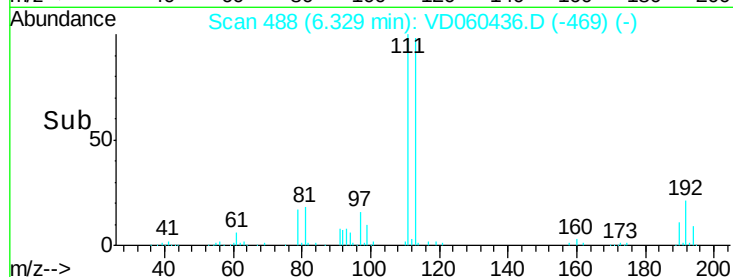
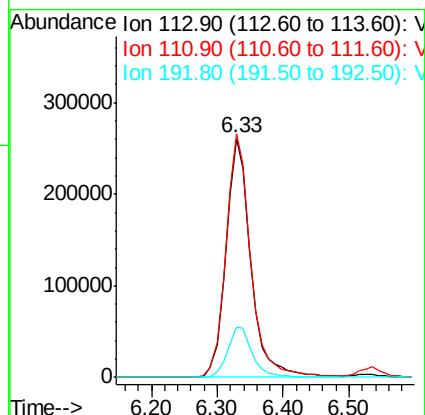
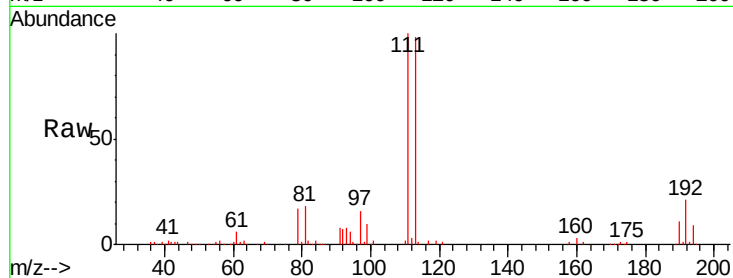




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

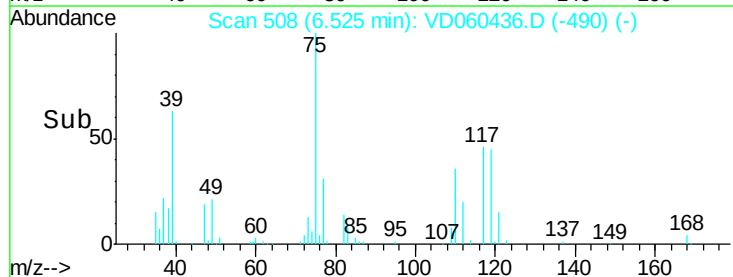
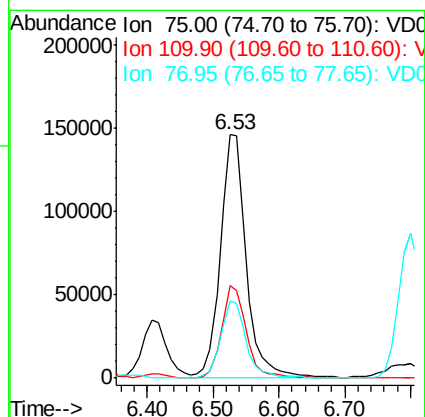
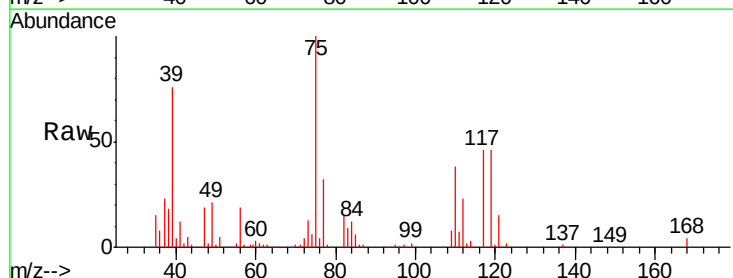
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

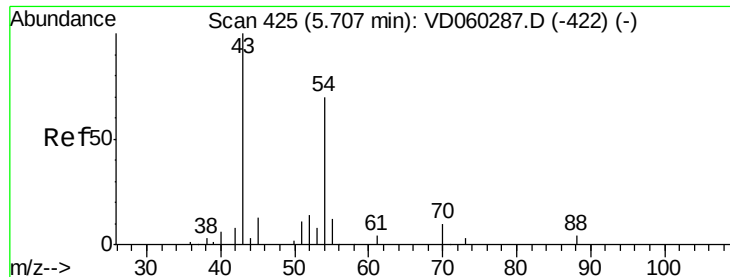
Tgt Ion: 113 Resp: 687681
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 21.2 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 21.14 ug/l
 RT: 6.53 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 75 Resp: 395165
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.0 54.0
 77 31.7 25.6 38.4

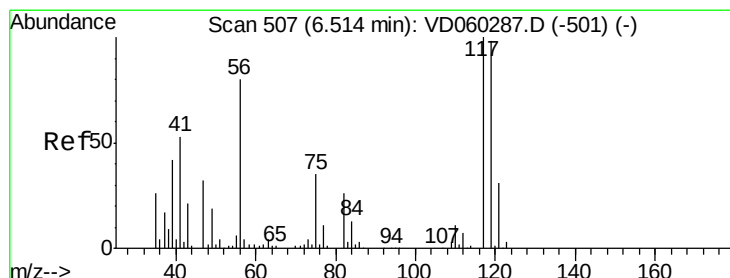
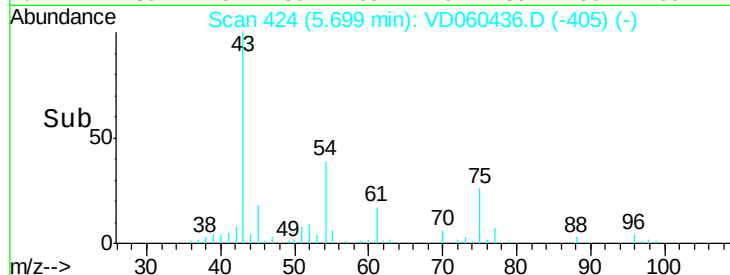
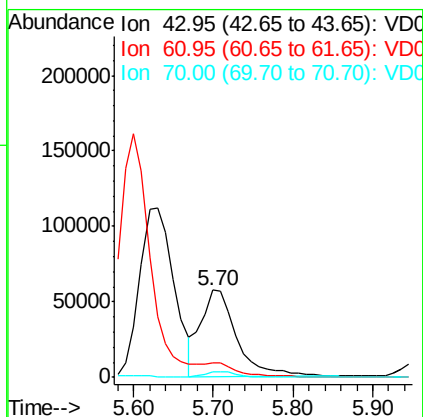
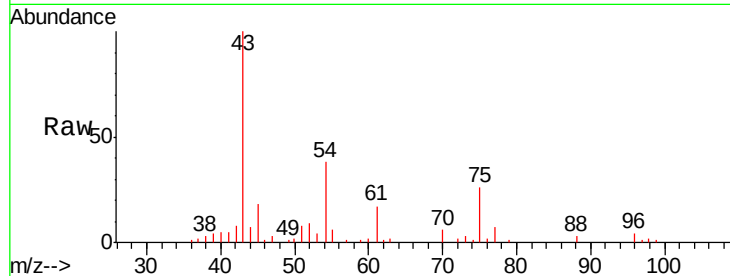




#37
Ethyl Acetate
 Concen: 20.64 ug/l
 RT: 5.70 min Scan# 424
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

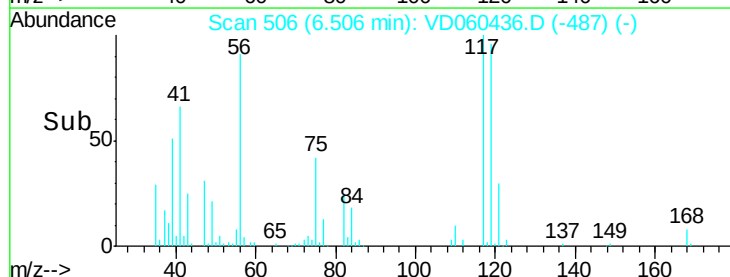
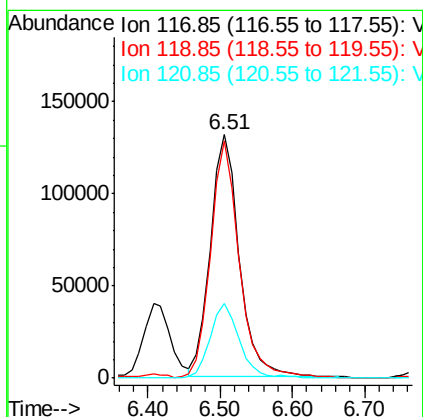
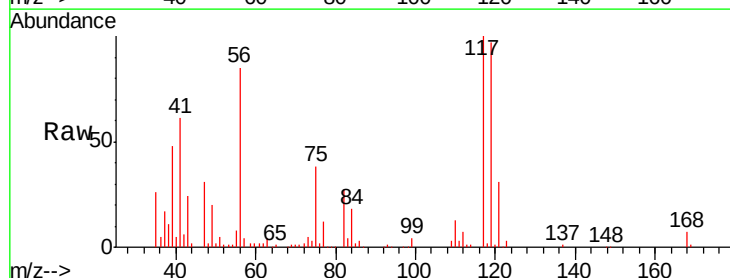
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

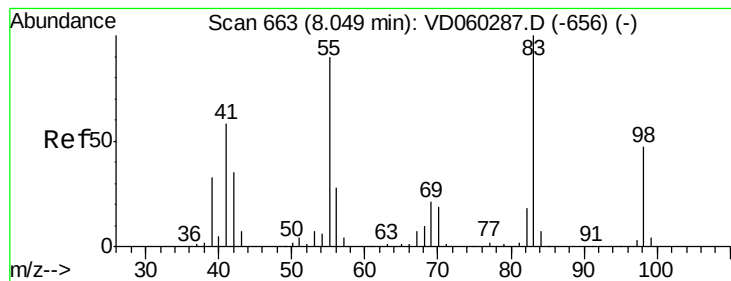
Tgt Ion: 43 Resp: 177546
 Ion Ratio Lower Upper
 43 100
 61 16.7 11.8 17.6
 70 5.8 6.2 9.4#



#38
Carbon Tetrachloride
 Concen: 20.93 ug/l
 RT: 6.51 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 117 Resp: 362946
 Ion Ratio Lower Upper
 117 100
 119 97.3 76.6 115.0
 121 30.6 24.3 36.5





#39

Methylcyclohexane

Concen: 20.20 ug/l

RT: 8.04 min Scan# 662

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

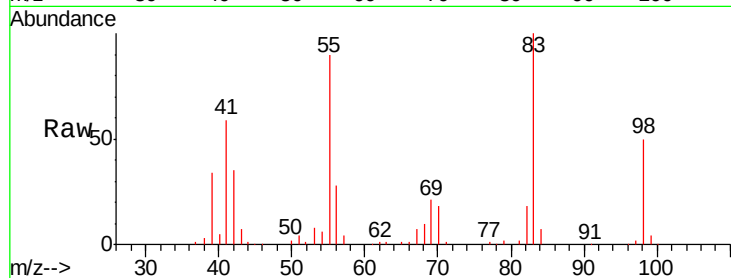
Tgt Ion: 83 Resp: 434433

Ion Ratio Lower Upper

83 100

55 89.9 71.2 106.8

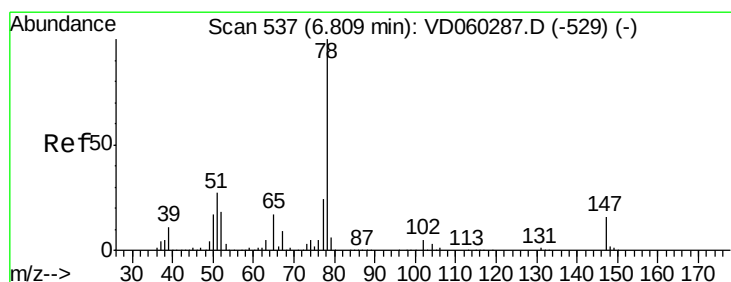
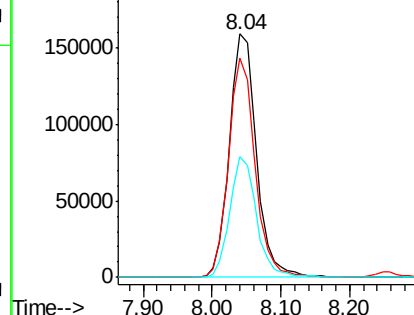
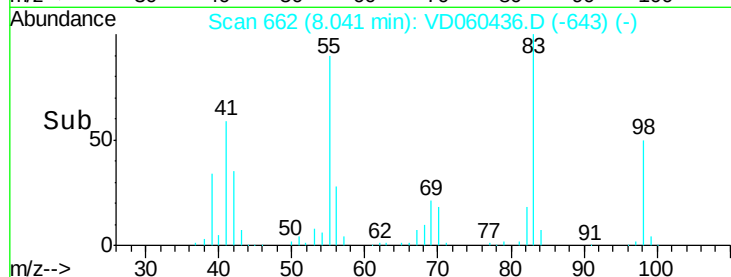
98 49.5 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.38 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD060436.D

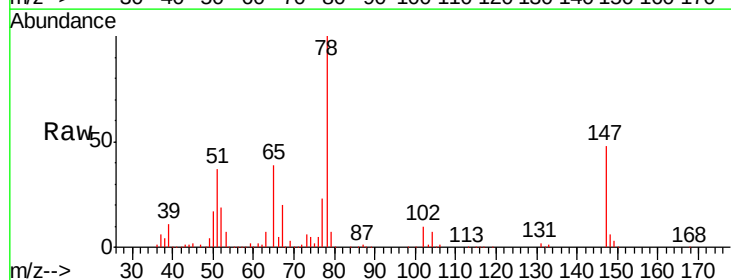
Acq: 21 Nov 2018 12:16

Tgt Ion: 78 Resp: 972598

Ion Ratio Lower Upper

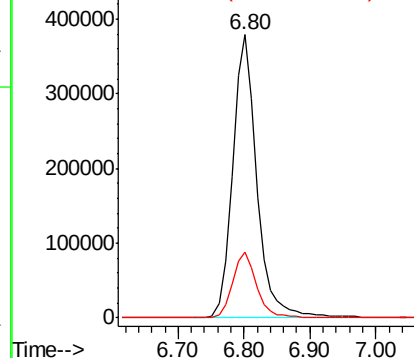
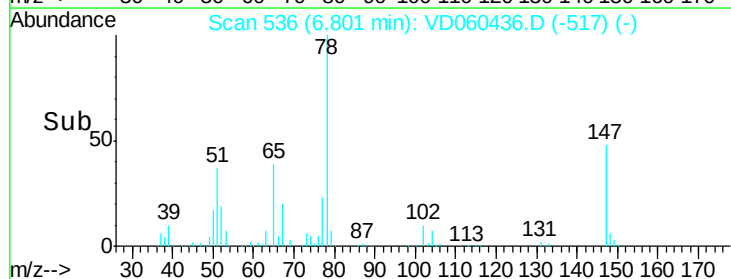
78 100

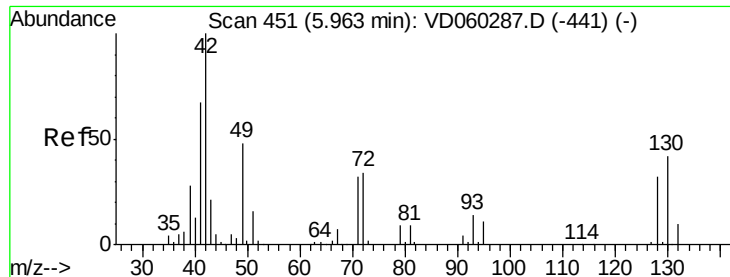
77 23.0 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

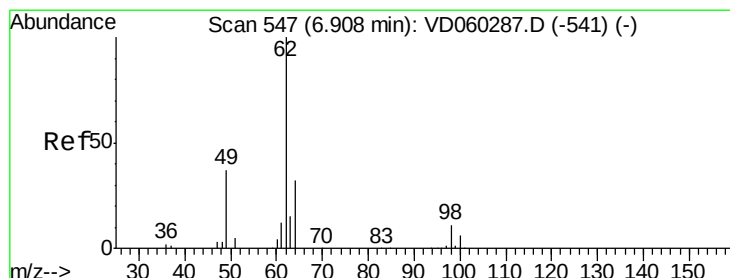
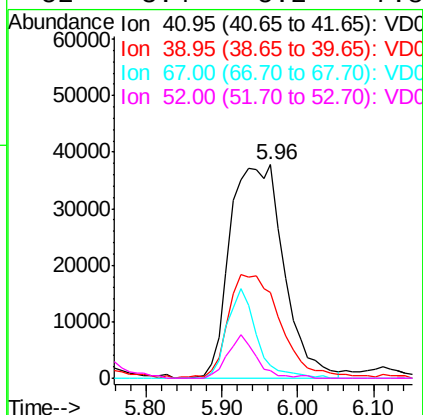
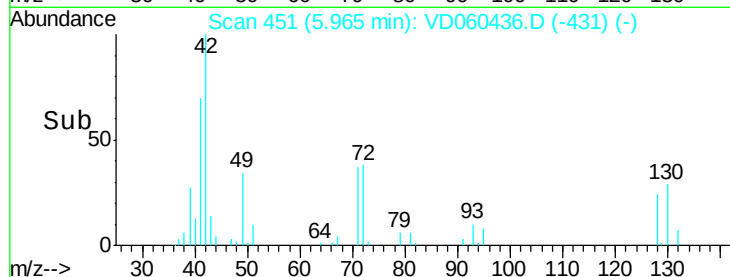
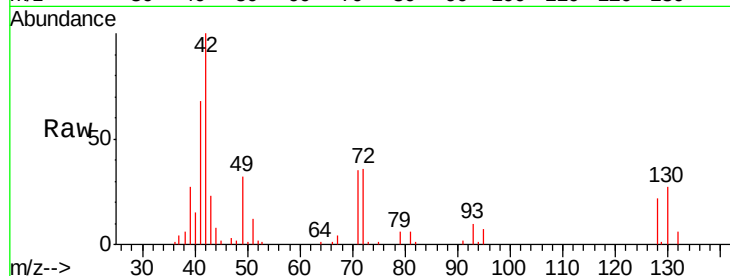




#41
Methacrylonitrile
Concen: 18.92 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

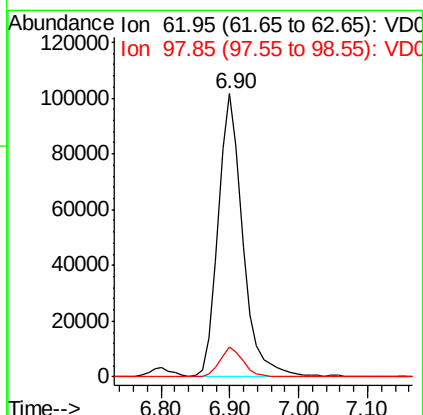
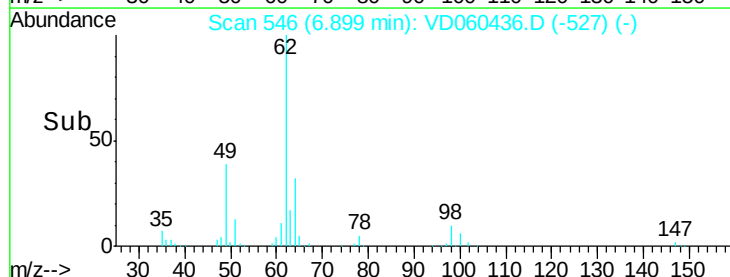
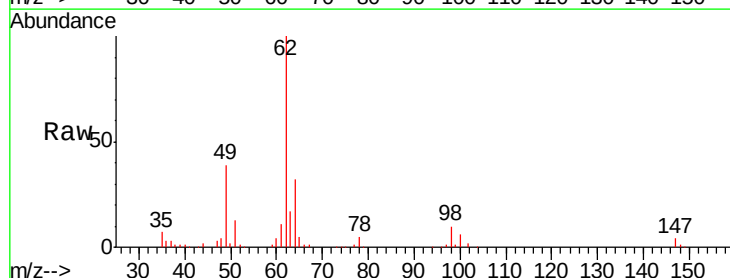
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

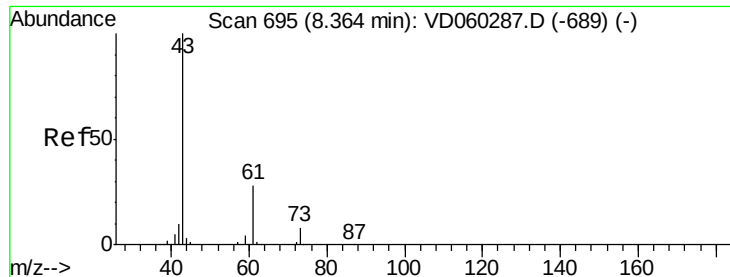
Tgt Ion: 41 Resp: 186322
Ion Ratio Lower Upper
41 100
39 40.3 36.2 54.2
67 5.9 11.9 17.9#
52 3.4 5.2 7.8#



#42
1,2-Dichloroethane
Concen: 19.92 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion: 62 Resp: 248822
Ion Ratio Lower Upper
62 100
98 10.4 0.0 22.0





#43

Isopropyl Acetate

Concen: 18.23 ug/l

RT: 8.35 min Scan# 693

Delta R.T. -0.02 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

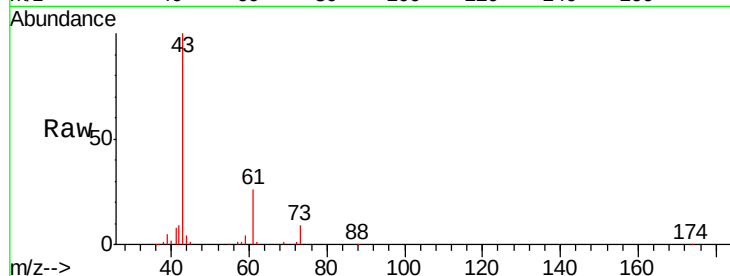
Tgt Ion: 43 Resp: 197032

Ion Ratio Lower Upper

43 100

61 25.8 22.3 33.5

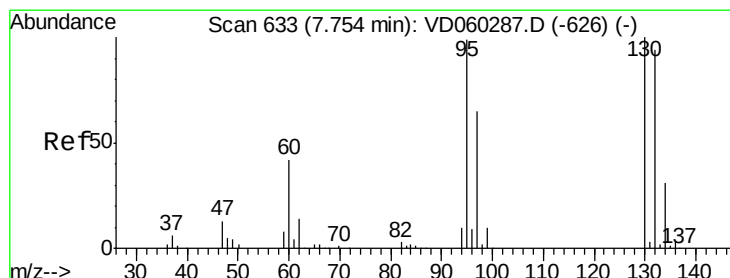
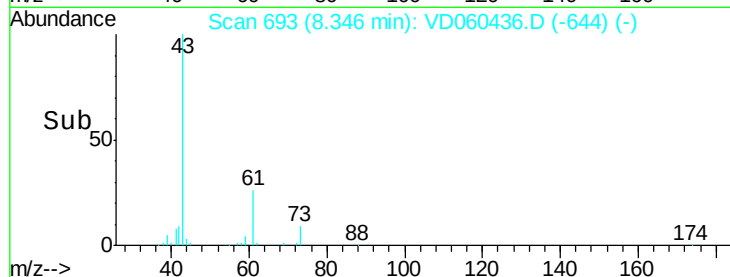
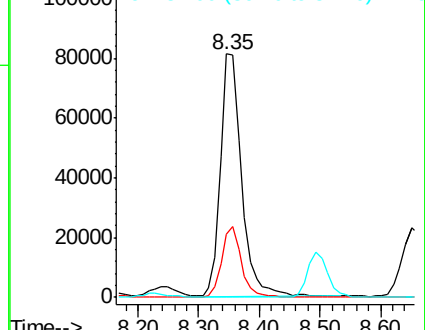
87 0.0 0.2 0.2#



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: 20.98 ug/l

RT: 7.75 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060436.D

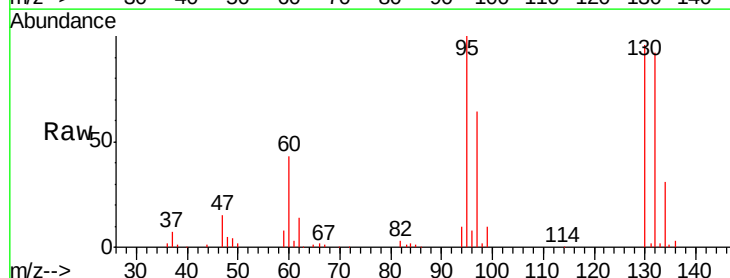
Acq: 21 Nov 2018 12:16

Tgt Ion: 130 Resp: 303557

Ion Ratio Lower Upper

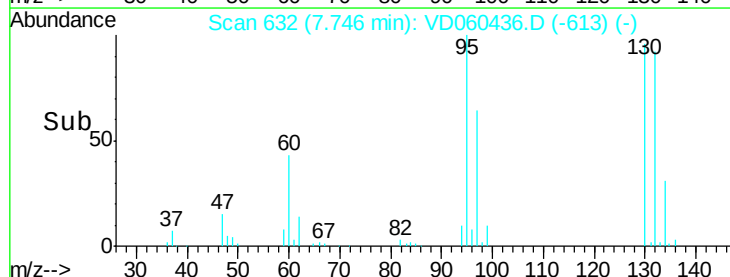
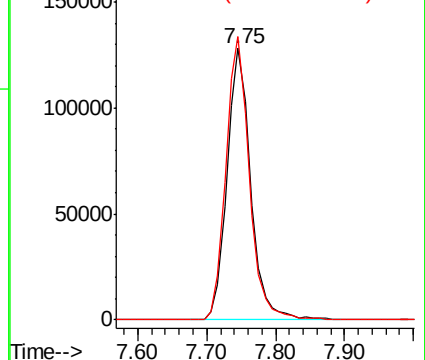
130 100

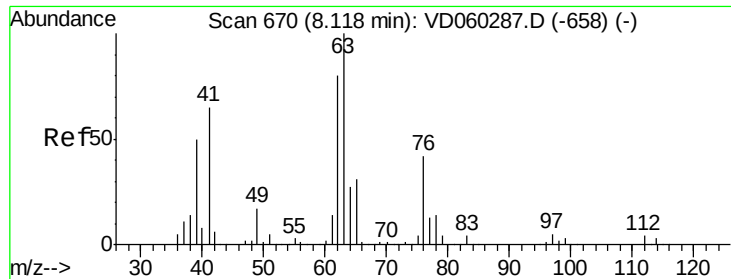
95 104.2 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

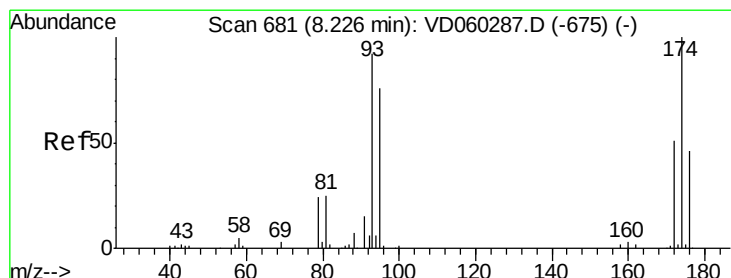
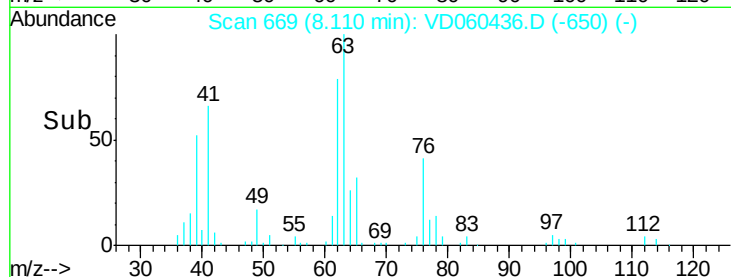
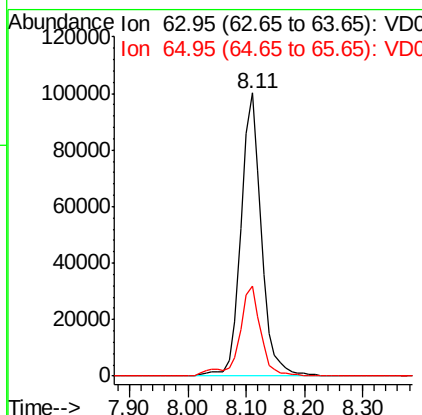
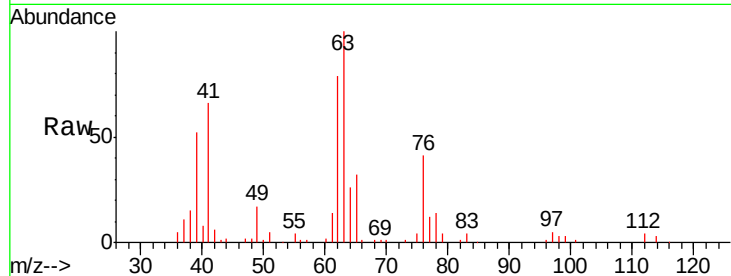




#45
 1,2-Dichloropropane
 Concen: 20.30 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

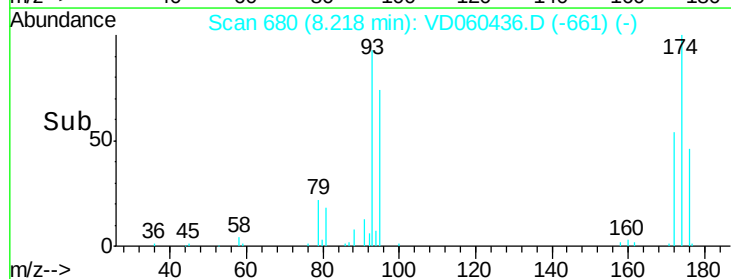
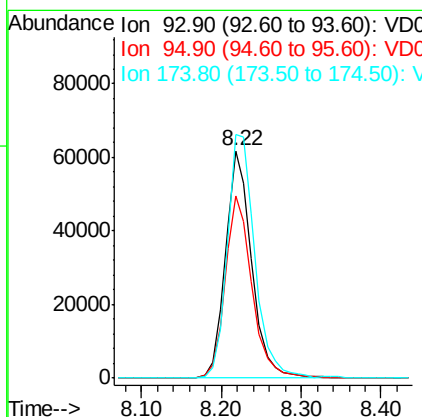
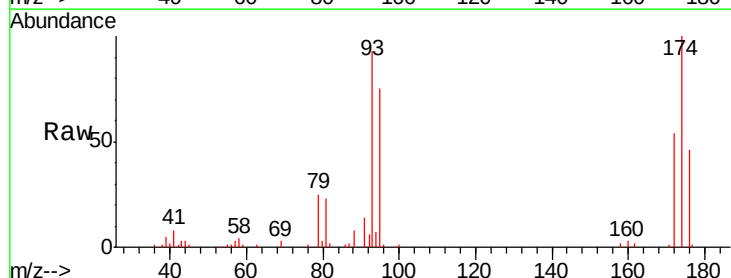
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

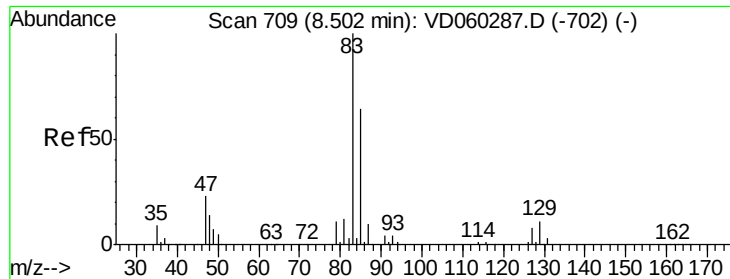
Tgt Ion: 63 Resp: 244263
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.4 35.2



#46
 Dibromomethane
 Concen: 20.16 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 93 Resp: 142081
 Ion Ratio Lower Upper
 93 100
 95 80.2 66.4 99.6
 174 107.2 87.8 131.8





#47

Bromodichloromethane

Concen: 20.28 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

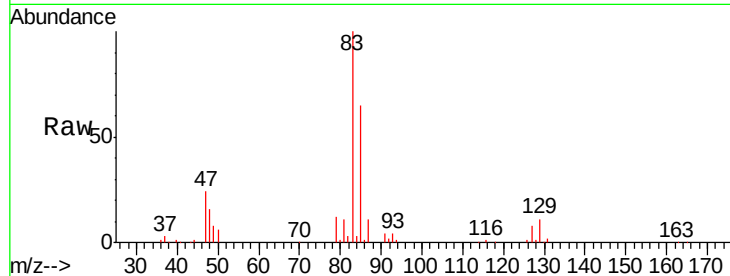
Tgt Ion: 83 Resp: 336851

Ion Ratio Lower Upper

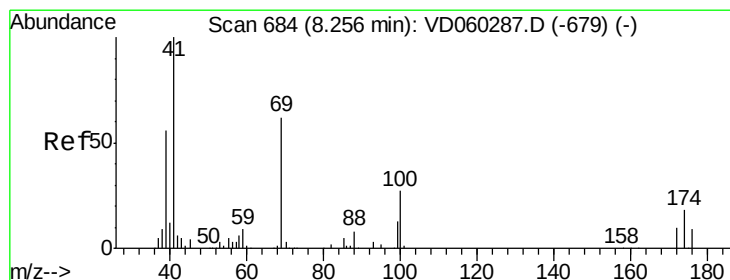
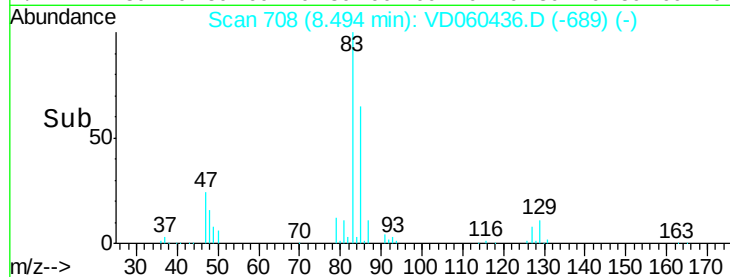
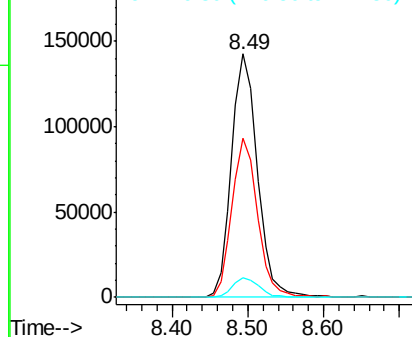
83 100

85 65.5 51.0 76.6

127 8.2 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: 19.26 ug/l

RT: 8.25 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

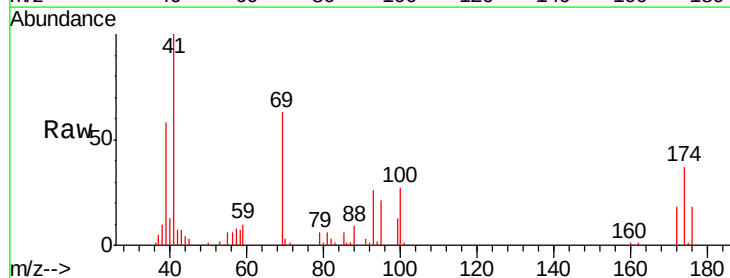
Tgt Ion: 41 Resp: 126439

Ion Ratio Lower Upper

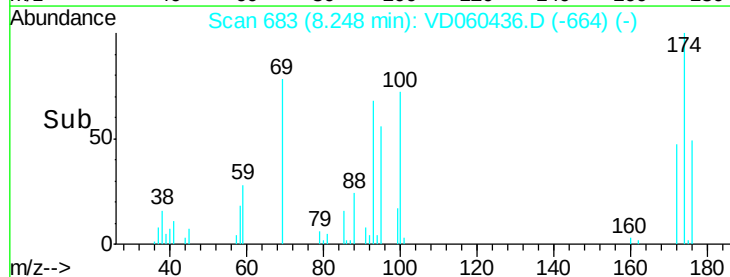
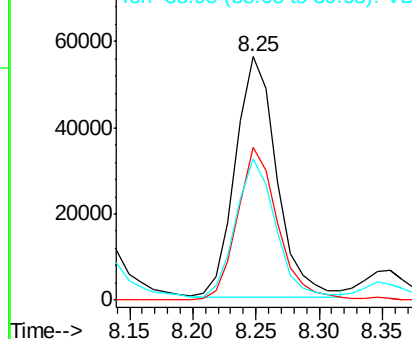
41 100

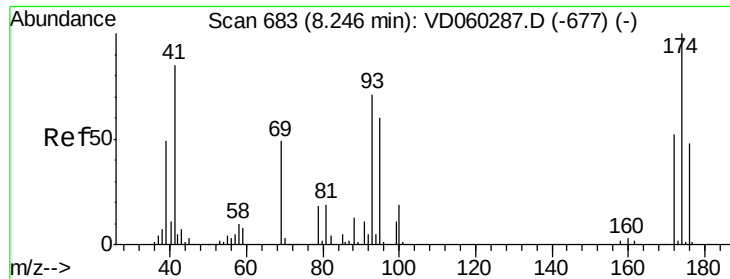
69 62.8 47.0 70.4

39 58.0 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

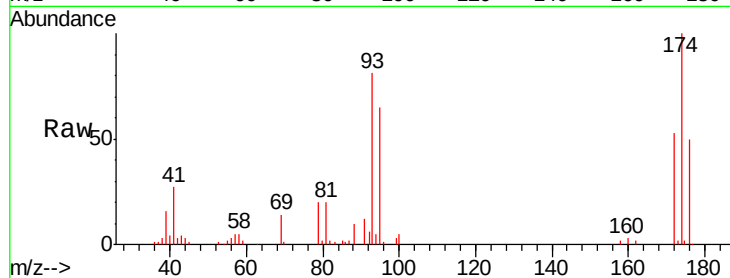




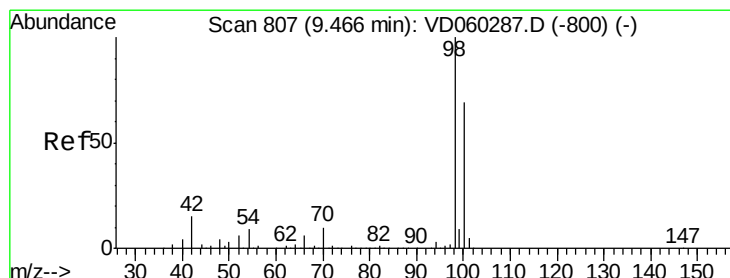
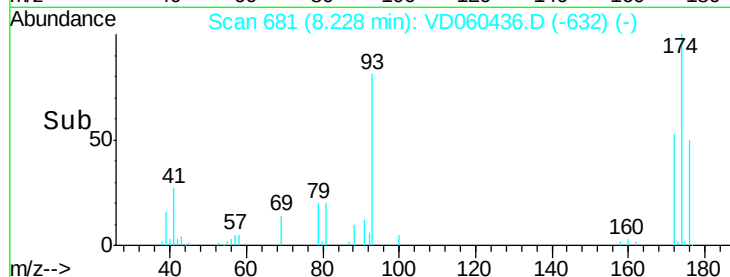
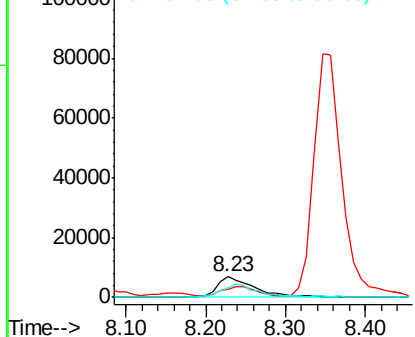
#49
1,4-Dioxane
Concen: 397.50 ug/l
RT: 8.23 min Scan# 681
Delta R.T. -0.02 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tgt Ion: 88 Resp: 22574
Ion Ratio Lower Upper
88 100
43 39.1 39.7 59.5#
58 47.9 60.2 90.2#

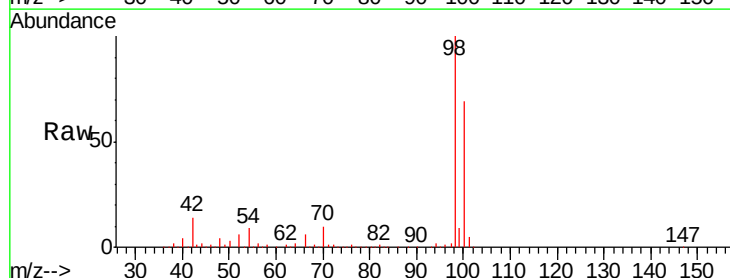


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

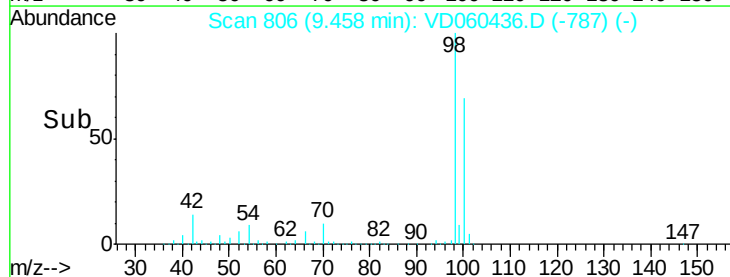
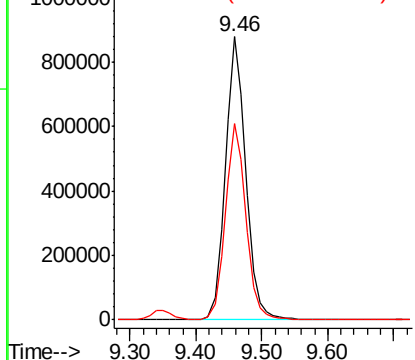


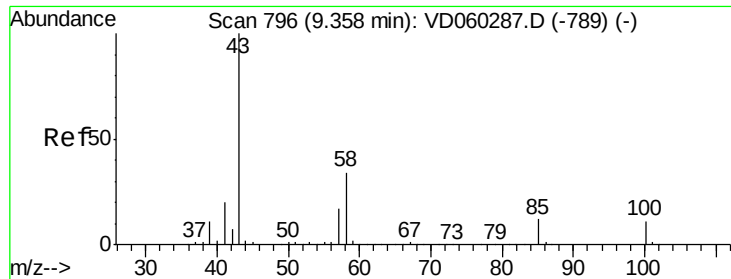
#50
Toluene-d8
Concen: 397.50 ug/l
RT: 9.46 min Scan# 806
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion: 98 Resp: 1906774
Ion Ratio Lower Upper
98 100
100 69.5 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: 95.25 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

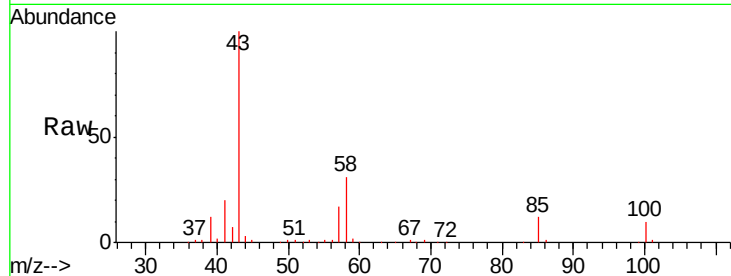
VD1121SBS01

Tgt Ion: 43 Resp: 669906

Ion Ratio Lower Upper

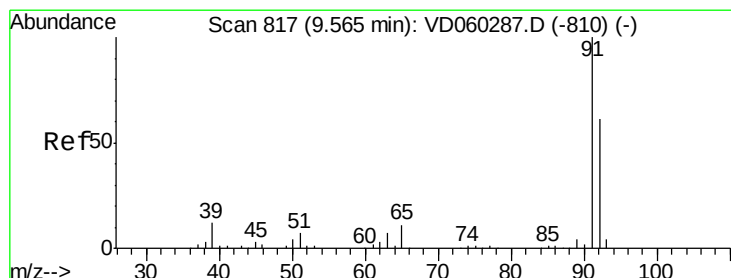
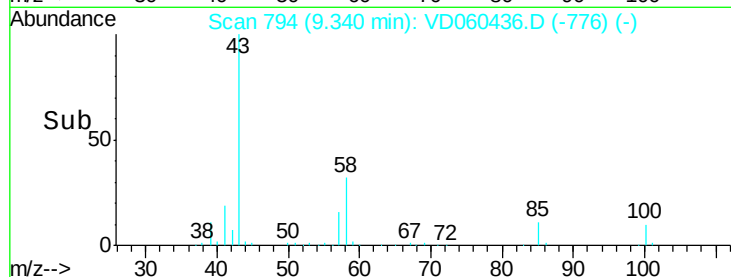
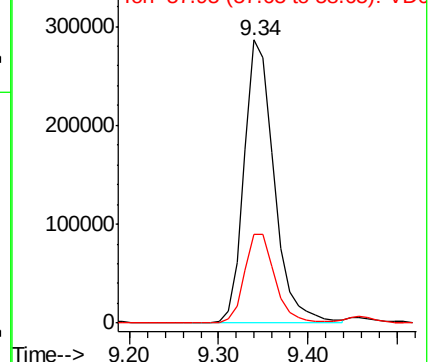
43 100

58 31.3 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.85 ug/l

RT: 9.56 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060436.D

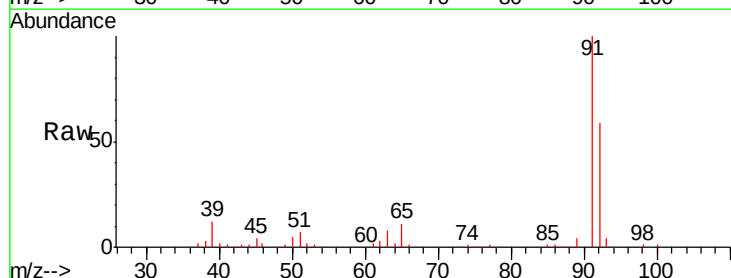
Acq: 21 Nov 2018 12:16

Tgt Ion: 92 Resp: 635441

Ion Ratio Lower Upper

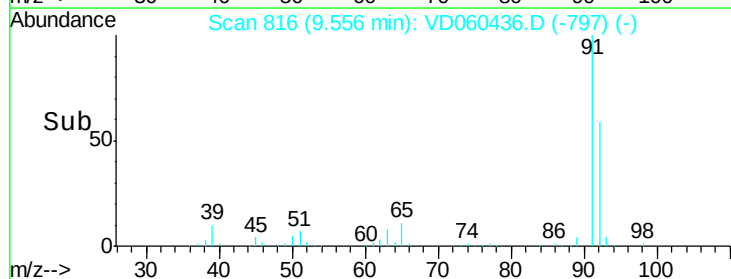
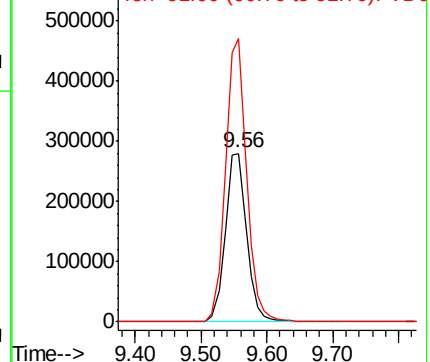
92 100

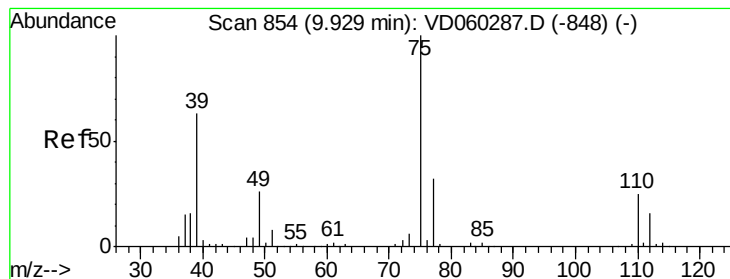
91 168.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.15 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

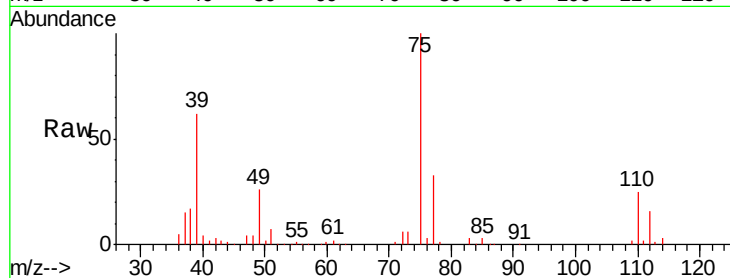
VD1121SBS01

Tgt Ion: 75 Resp: 268766

Ion Ratio Lower Upper

75 100

77 32.6 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

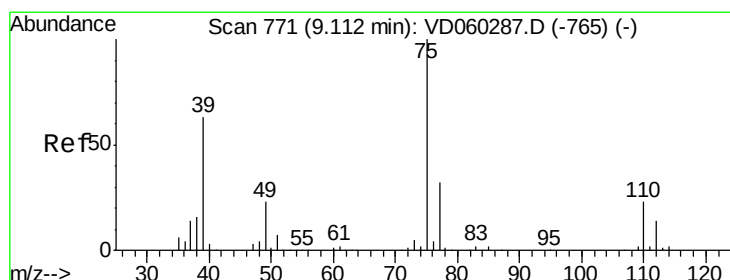
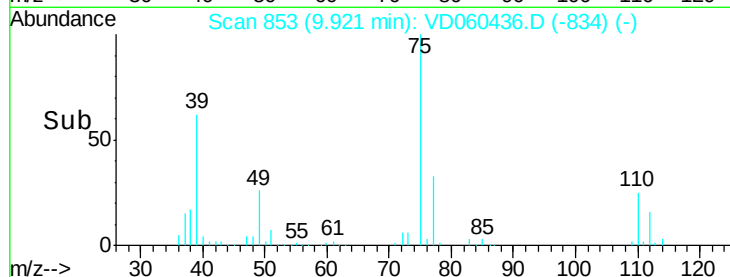
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.72 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

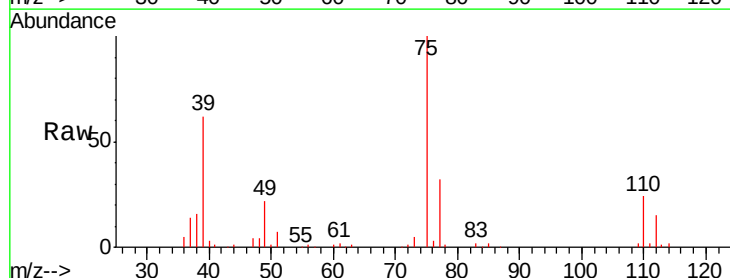
Tgt Ion: 75 Resp: 354960

Ion Ratio Lower Upper

75 100

77 31.6 26.3 39.5

39 61.5 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

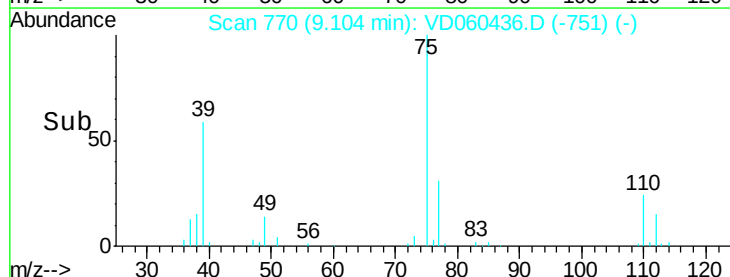
150000

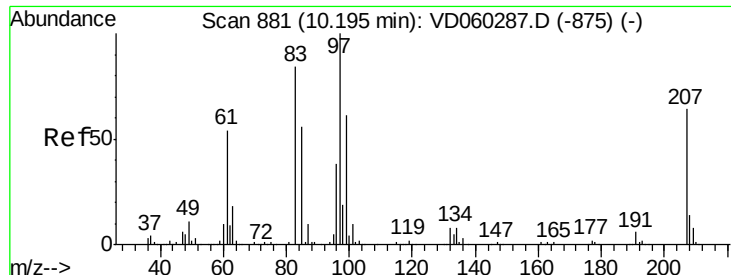
100000

50000

0

Time-->

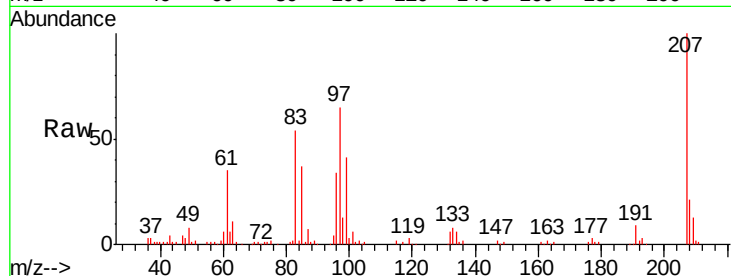




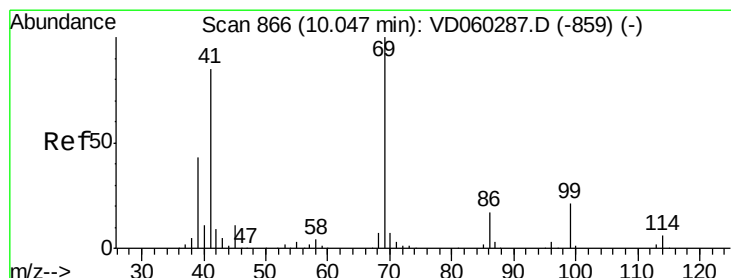
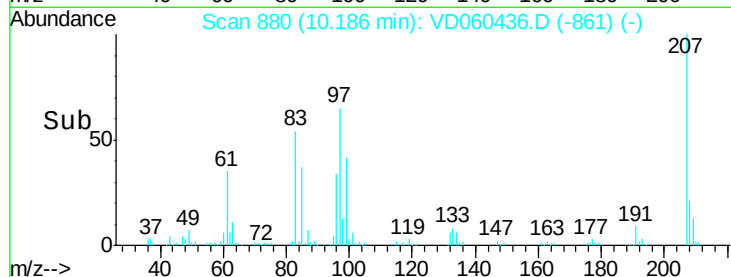
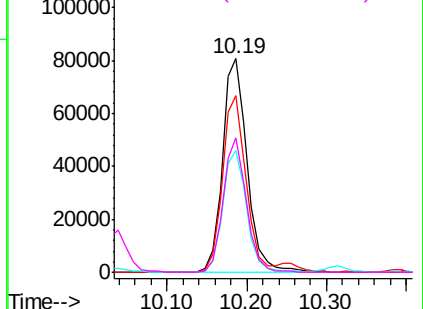
#55
 1,1,2-Trichloroethane
 Concen: 19.75 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tgt Ion:	97	Resp:	174515
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.4	102.6
85	56.9	46.8	70.2
99	63.1	49.5	74.3

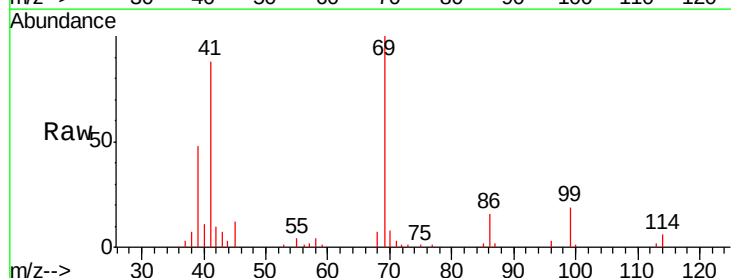


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

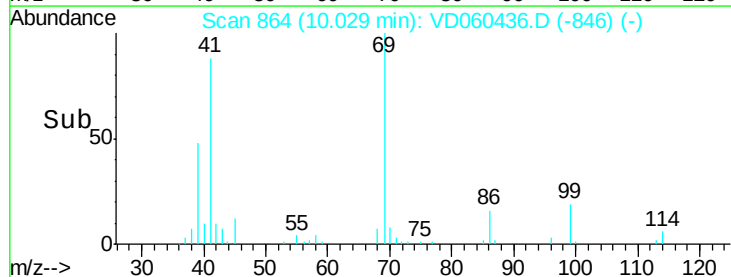
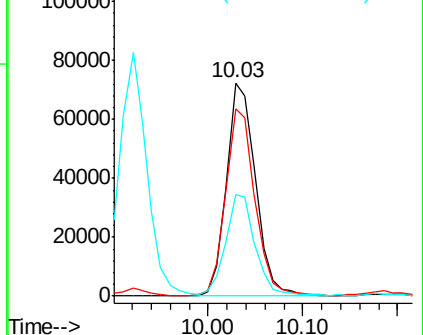


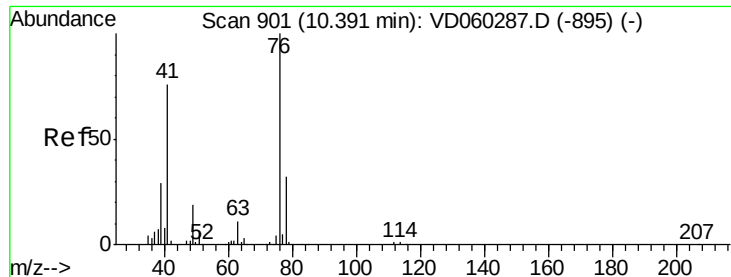
#56
 Ethyl methacrylate
 Concen: 18.88 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion:	69	Resp:	153336
Ion	Ratio	Lower	Upper
69	100		
41	87.7	69.0	103.4
39	47.8	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

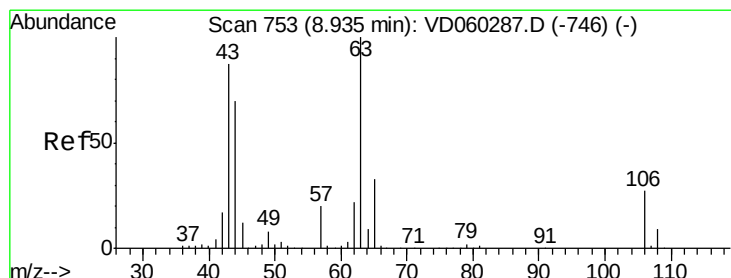
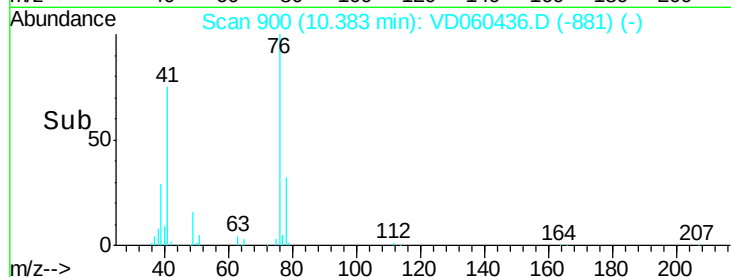
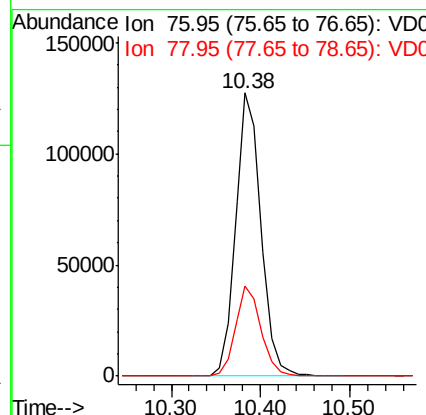
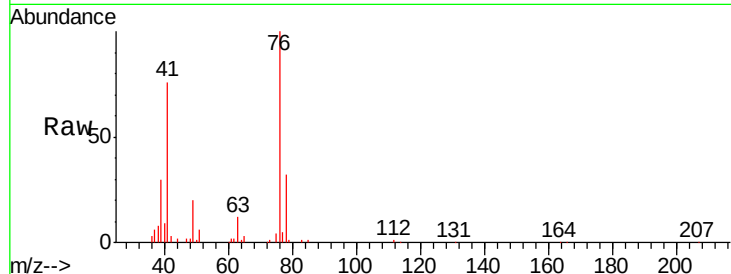




#57
 1,3-Dichloropropane
 Concen: 18.85 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

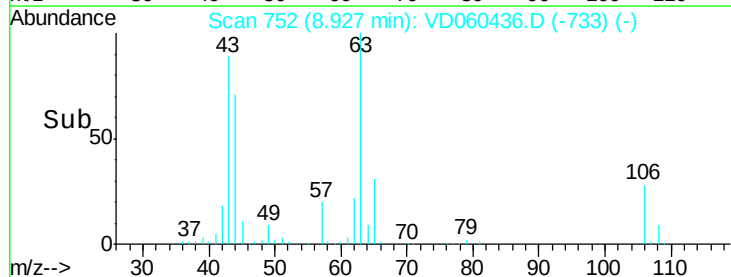
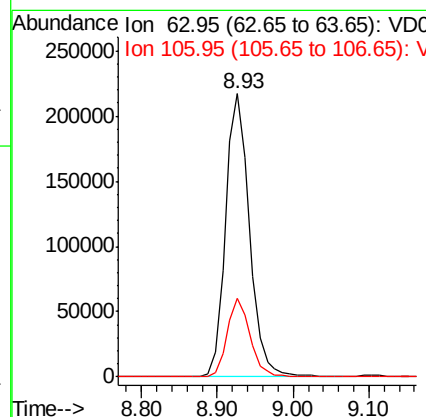
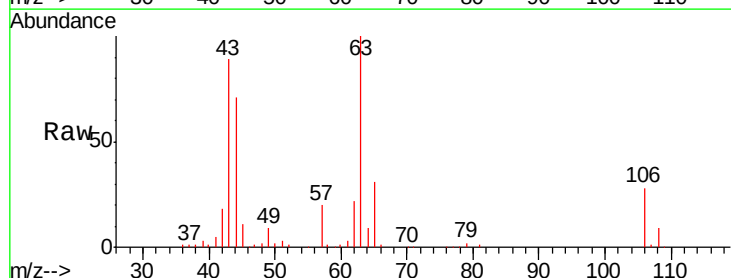
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

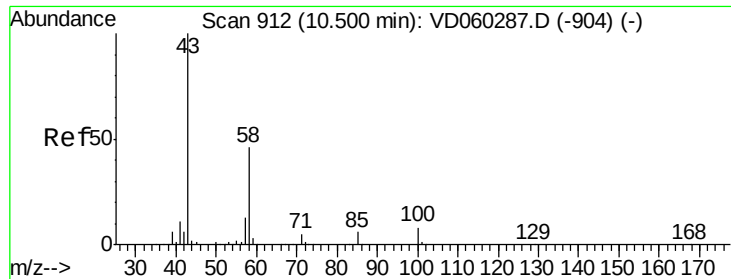
Tgt Ion: 76 Resp: 253769
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.73 ug/l
 RT: 8.93 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 63 Resp: 475127
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.5 32.3

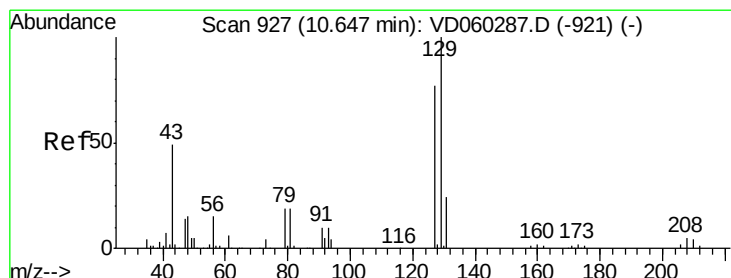
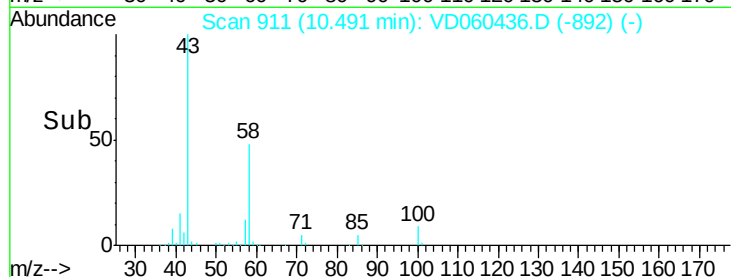
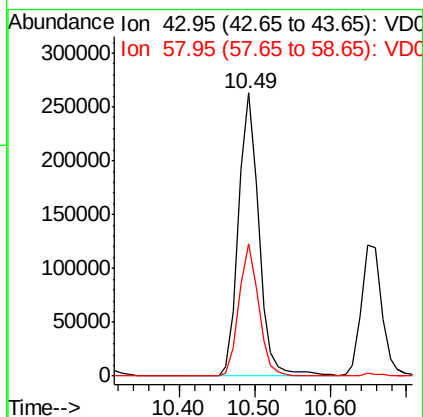
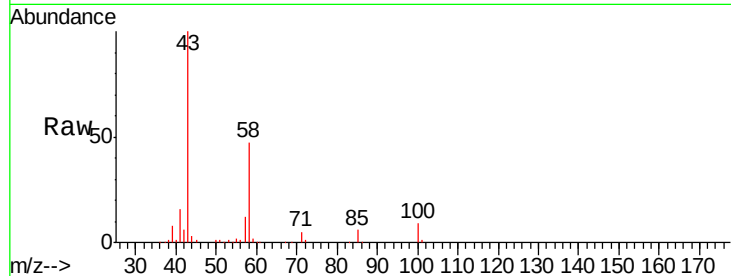




#59
2-Hexanone
Concen: 97.15 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

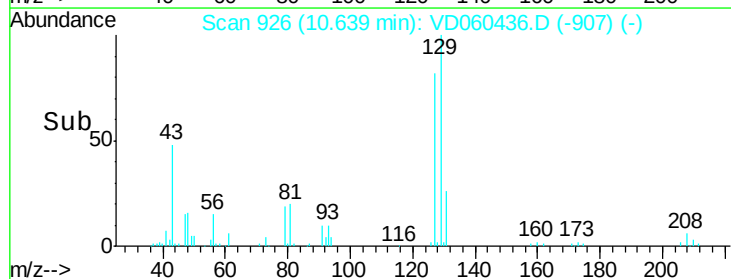
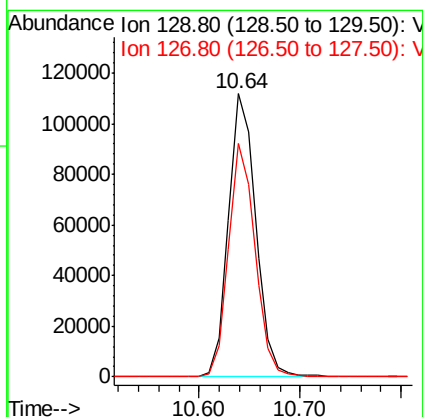
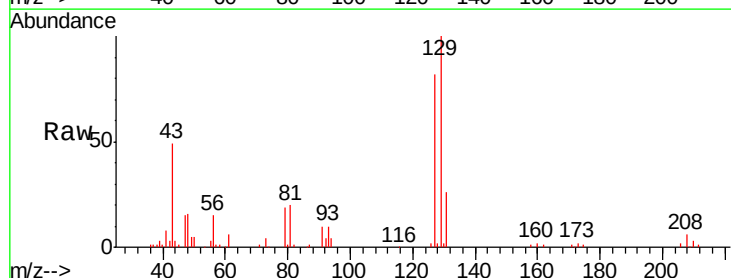
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

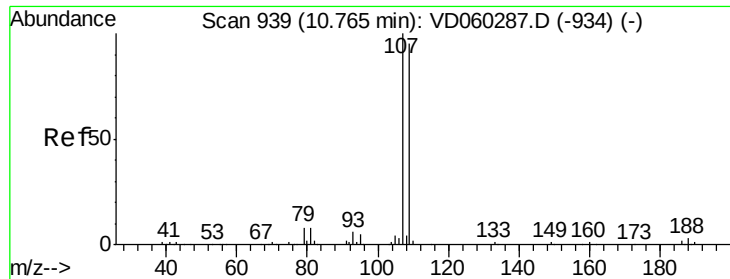
Tgt Ion: 43 Resp: 486958
Ion Ratio Lower Upper
43 100
58 47.0 22.9 68.5



#60
Dibromochloromethane
Concen: 19.63 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion: 129 Resp: 210795
Ion Ratio Lower Upper
129 100
127 82.5 38.9 116.6

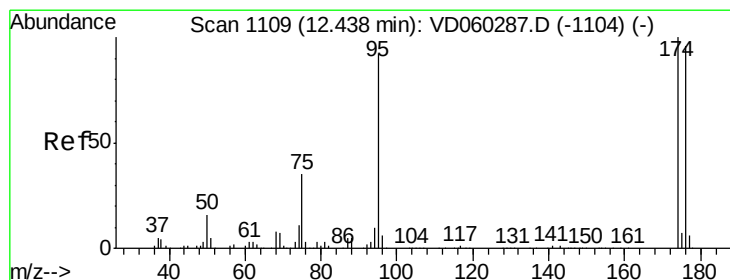
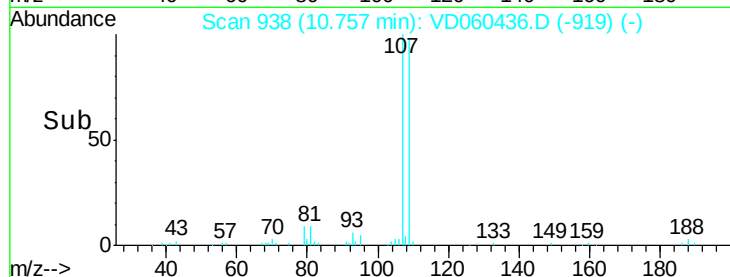
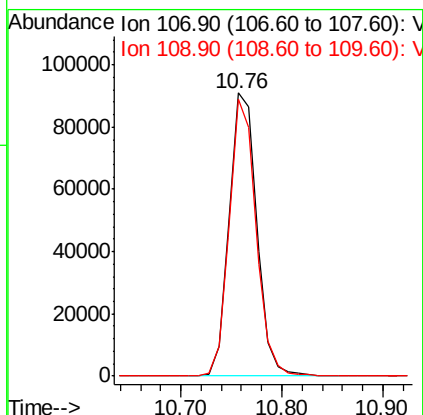
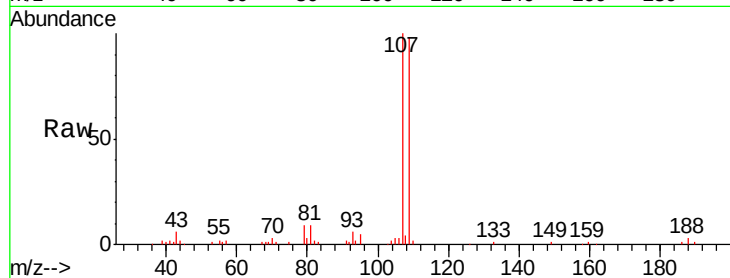




#61
 1,2-Dibromoethane
 Concen: 19.47 ug/l
 RT: 10.76 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

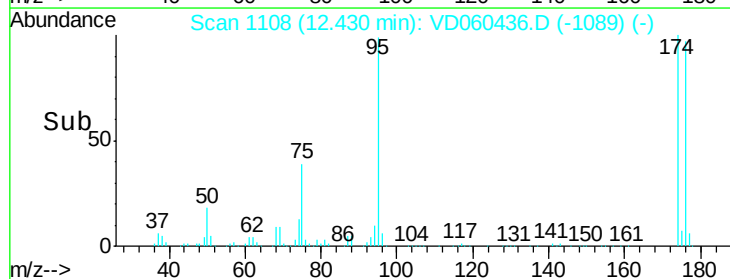
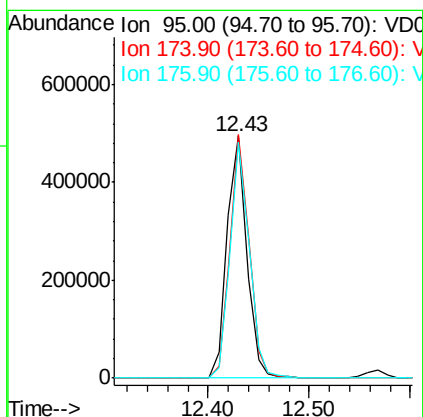
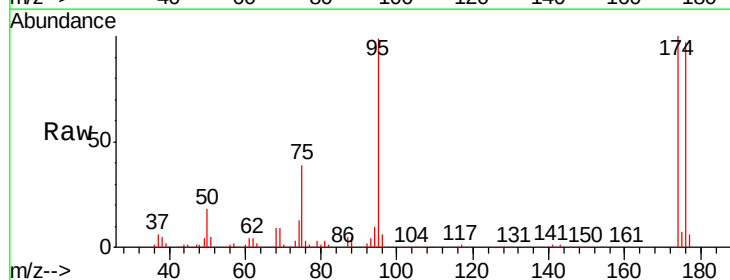
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

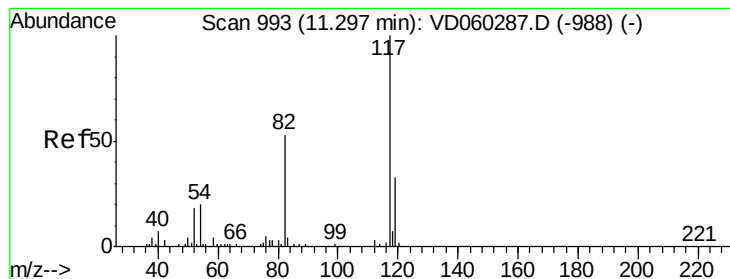
Tgt Ion: 107 Resp: 172339
 Ion Ratio Lower Upper
 107 100
 109 97.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.47 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 95 Resp: 674077
 Ion Ratio Lower Upper
 95 100
 174 100.6 0.0 160.8
 176 97.7 0.0 154.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.29 min Scan# 992

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

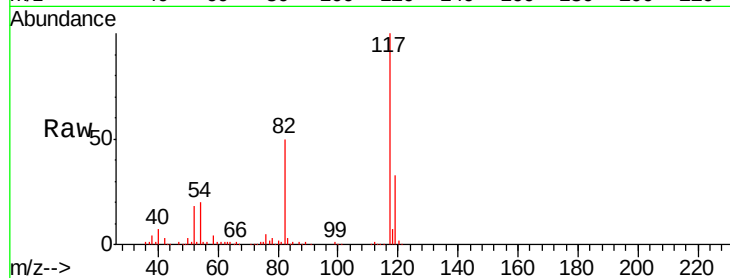
Tgt Ion:117 Resp: 1455157

Ion Ratio Lower Upper

117 100

82 50.3 43.7 65.5

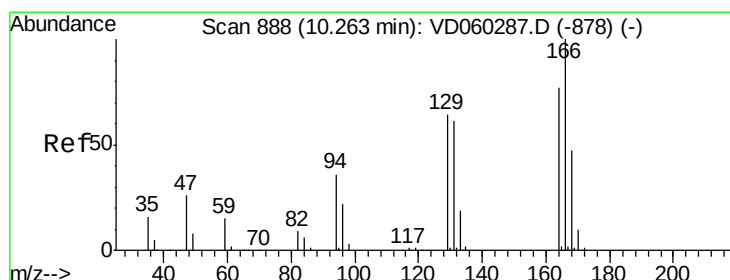
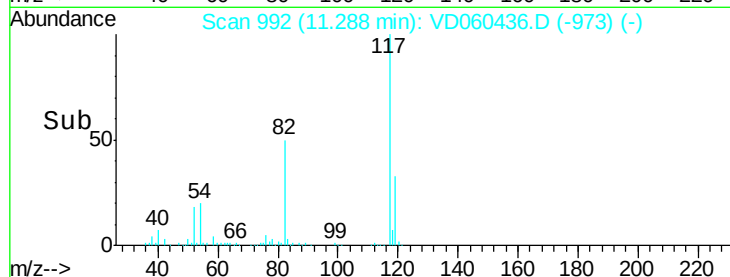
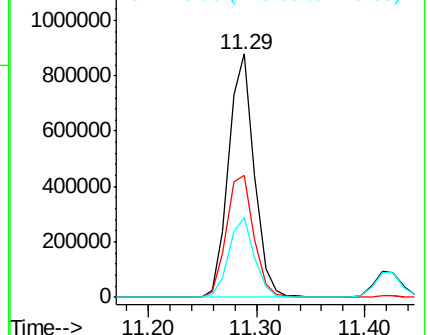
119 32.6 26.1 39.1



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 21.60 ug/l

RT: 10.26 min Scan# 887

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Tgt Ion:164 Resp: 280586

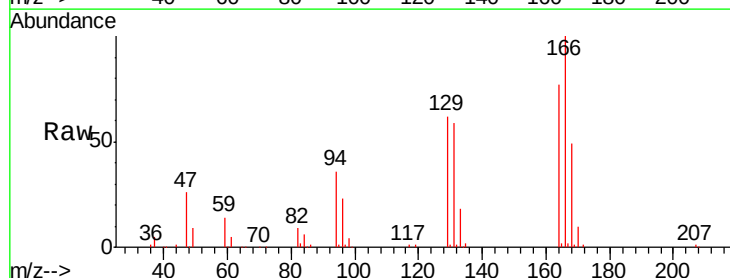
Ion Ratio Lower Upper

164 100

166 129.8 103.7 155.5

129 80.3 65.6 98.4

131 76.6 64.4 96.6

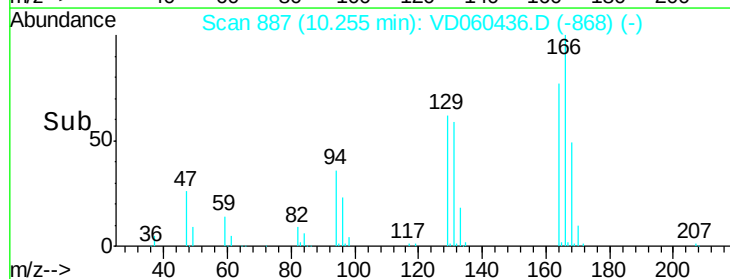
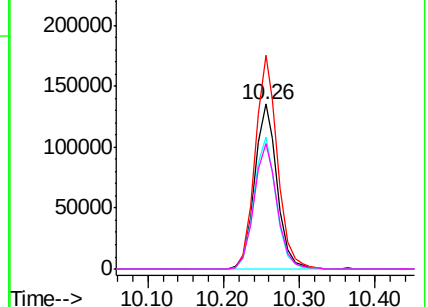


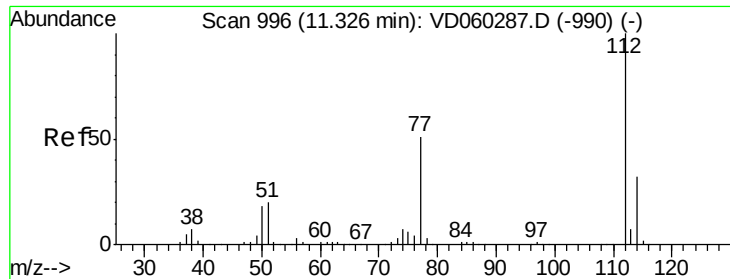
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.42 ug/l

RT: 11.32 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

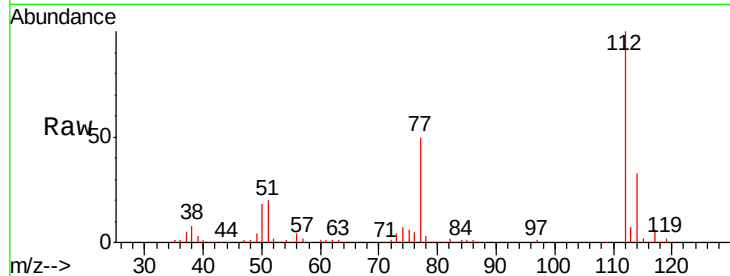
VD1121SBS01

Tgt Ion:112 Resp: 675379

Ion Ratio Lower Upper

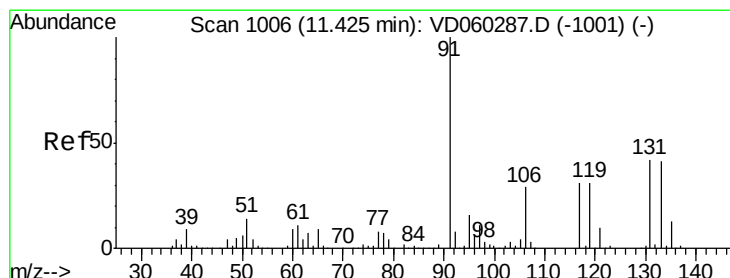
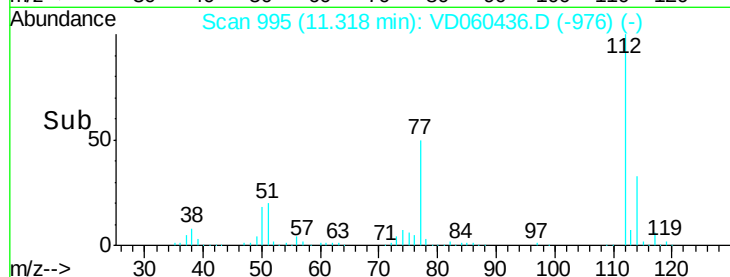
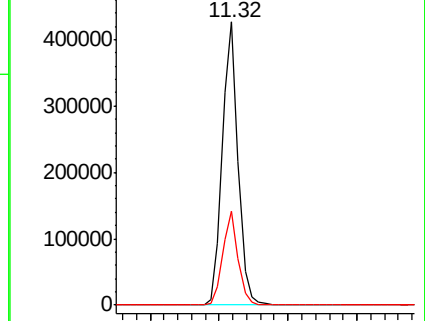
112 100

114 33.2 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: 21.65 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

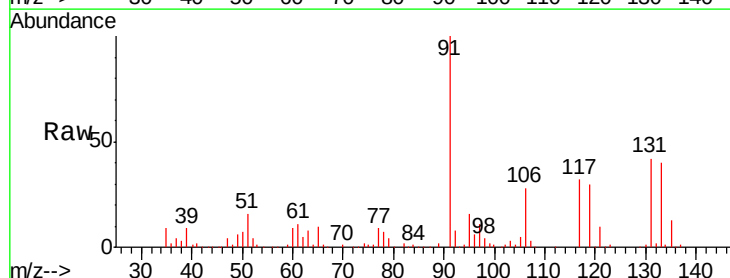
Tgt Ion:131 Resp: 223347

Ion Ratio Lower Upper

131 100

133 95.9 50.0 150.0

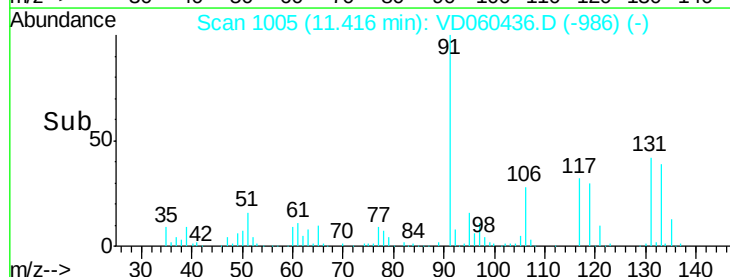
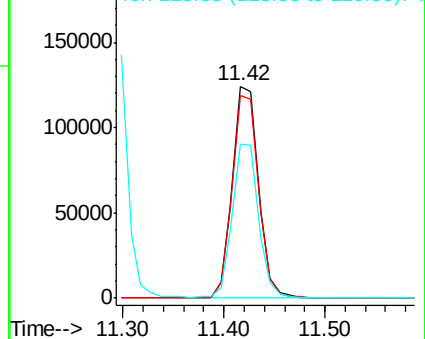
119 72.5 37.0 111.1

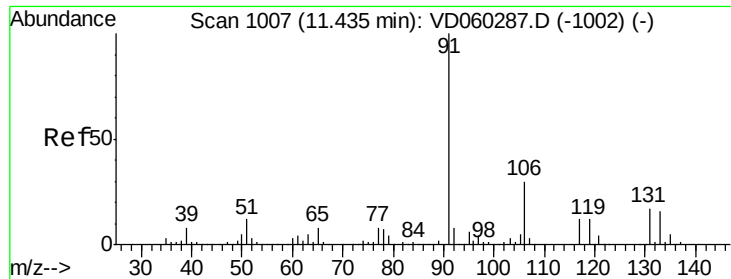


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

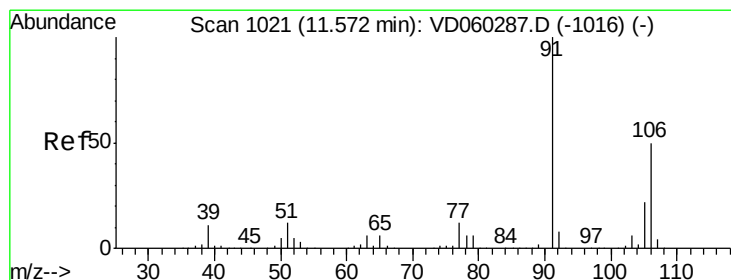
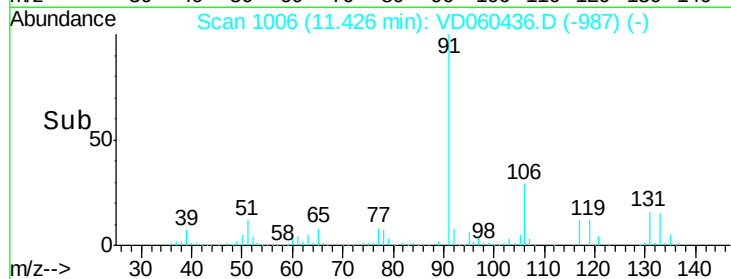
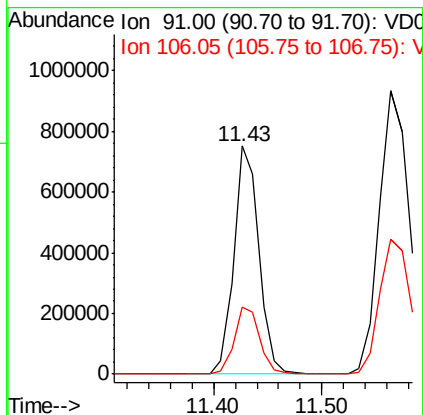
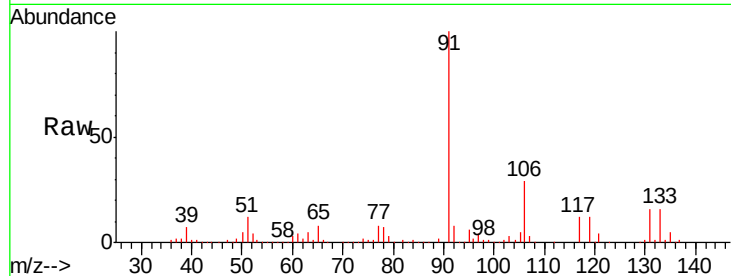




#67
Ethyl Benzene
Concen: 22.40 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

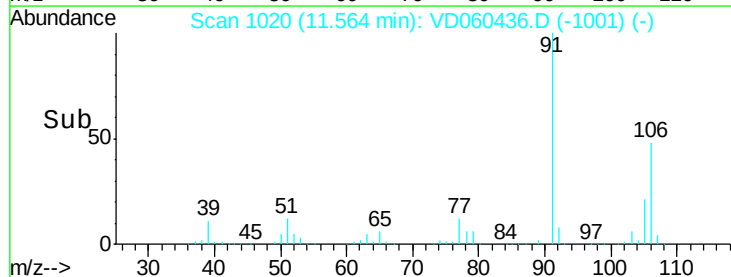
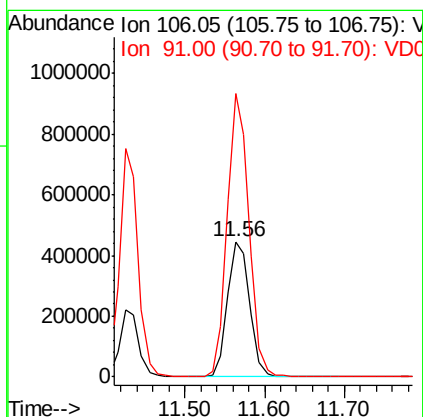
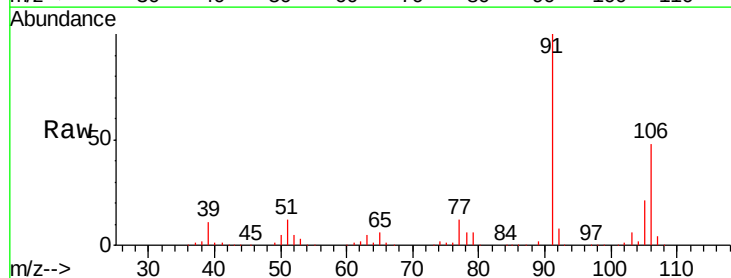
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

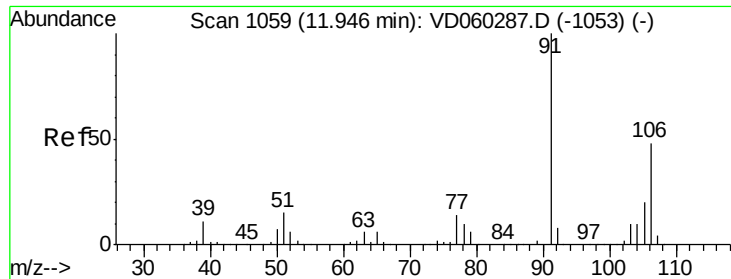
Tgt Ion: 91 Resp: 1208333
Ion Ratio Lower Upper
91 100
106 29.3 24.6 36.8



#68
m/p-Xylenes
Concen: 43.76 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion: 106 Resp: 870594
Ion Ratio Lower Upper
106 100
91 209.8 159.4 239.2

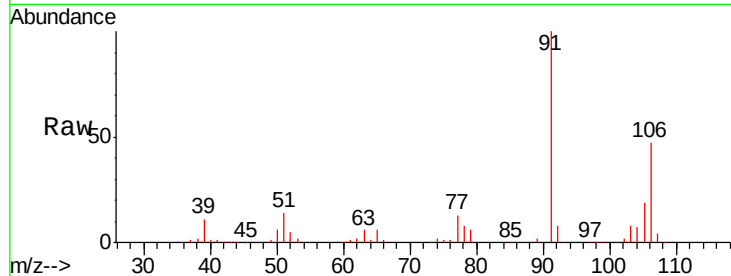




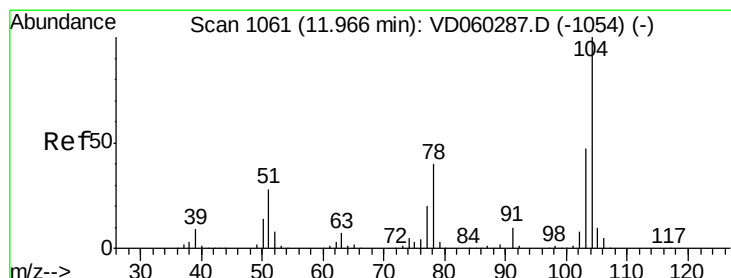
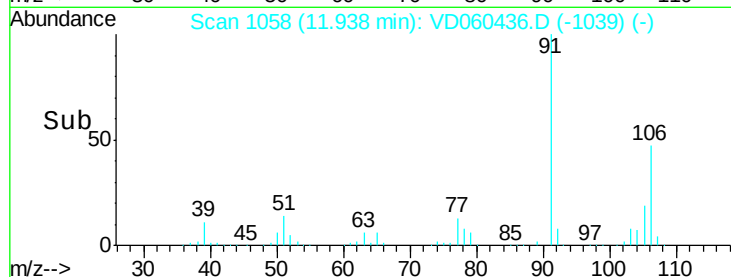
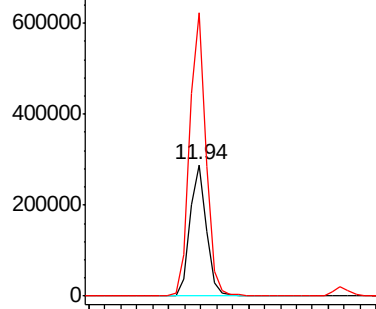
#69
o-Xylene
Concen: 22.01 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tgt Ion:106 Resp: 423044
Ion Ratio Lower Upper
106 100
91 215.0 109.2 327.6

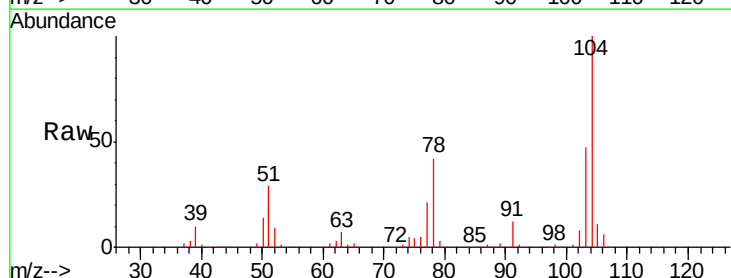


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

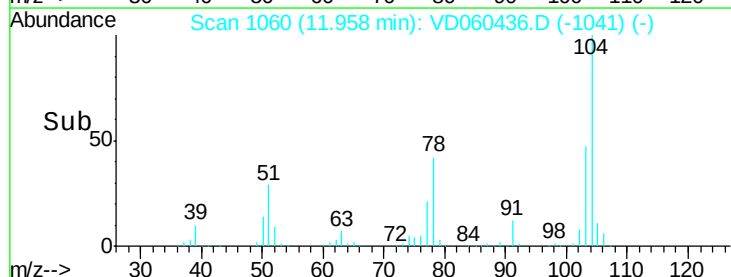
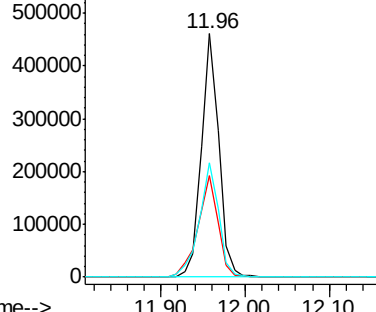


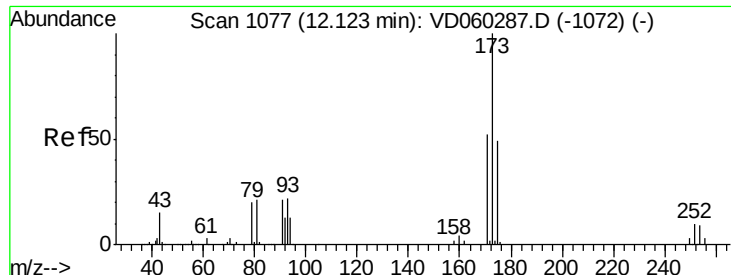
#70
Styrene
Concen: 21.38 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion:104 Resp: 663992
Ion Ratio Lower Upper
104 100
78 41.5 31.6 47.4
103 46.9 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

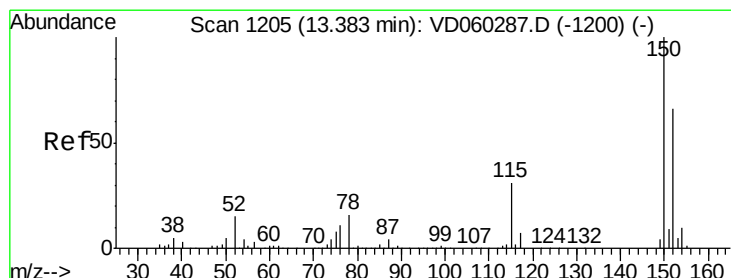
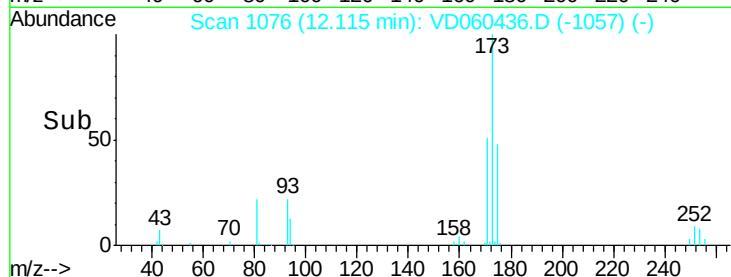
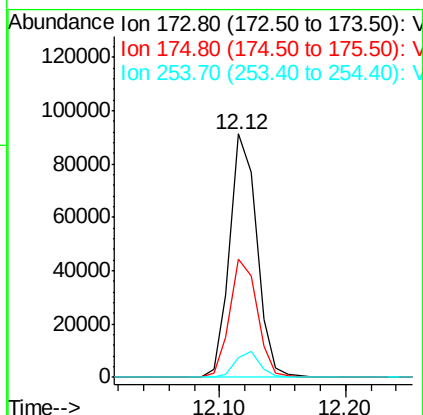
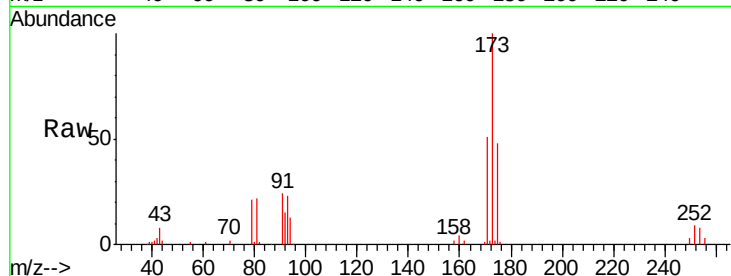




#71
Bromoform
Concen: 19.52 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

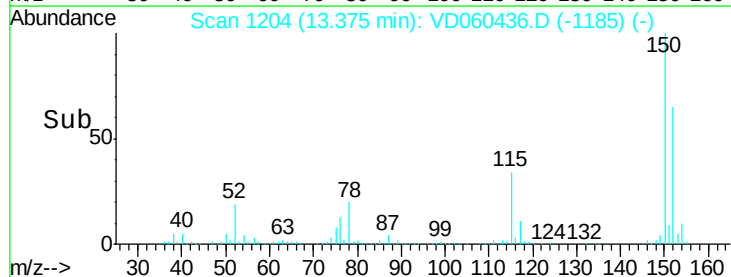
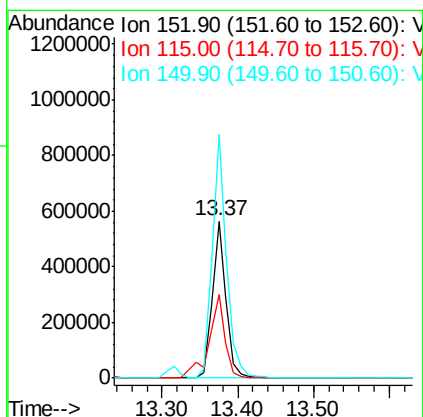
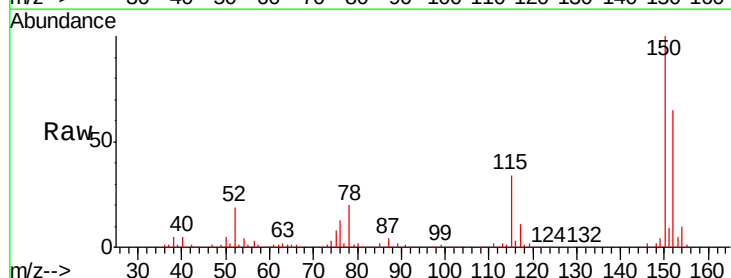
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

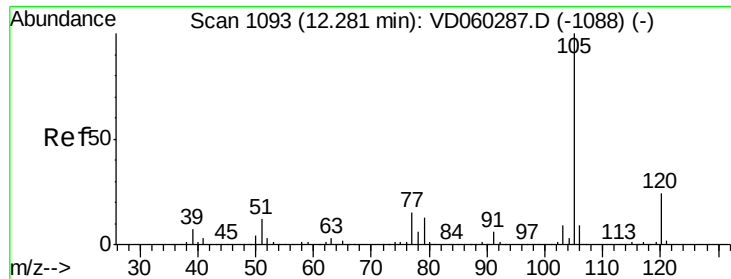
Tgt Ion:173 Resp: 135287
Ion Ratio Lower Upper
173 100
175 48.4 24.3 73.0
254 8.3 8.3 12.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion:152 Resp: 723244
Ion Ratio Lower Upper
152 100
115 53.3 24.1 72.3
150 154.9 0.0 310.6





#73

Isopropylbenzene

Concen: 22.49 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

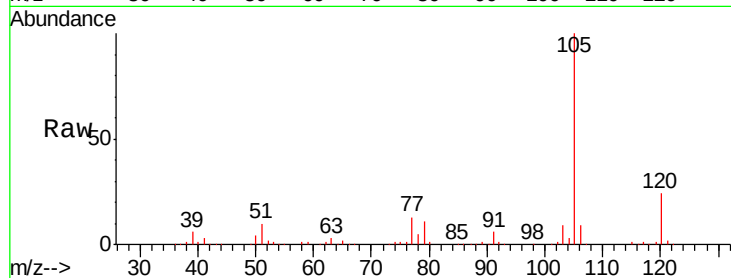
VD1121SBS01

Tgt Ion:105 Resp: 1184985

Ion Ratio Lower Upper

105 100

120 24.5 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

400000

200000

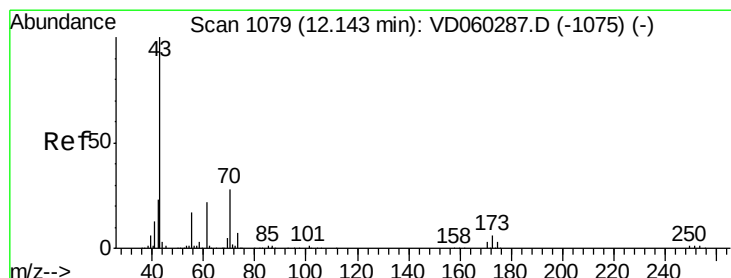
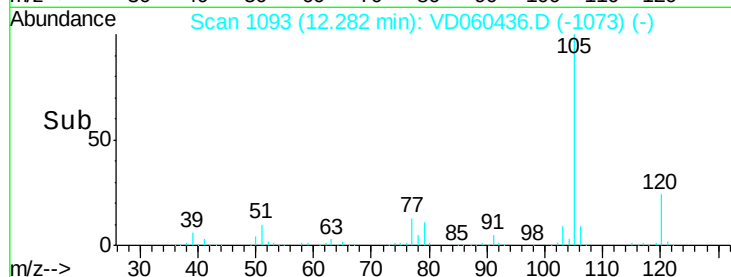
0

12.28

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 19.39 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Tgt Ion: 43 Resp: 261981

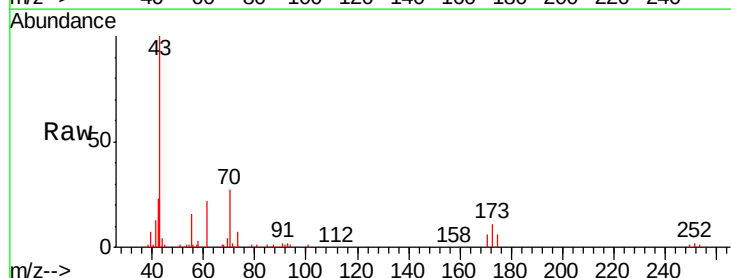
Ion Ratio Lower Upper

43 100

70 26.8 23.0 34.4

55 15.9 14.2 21.4

61 22.3 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

250000

200000

150000

100000

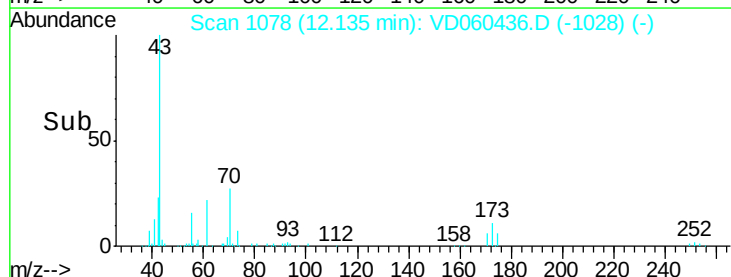
50000

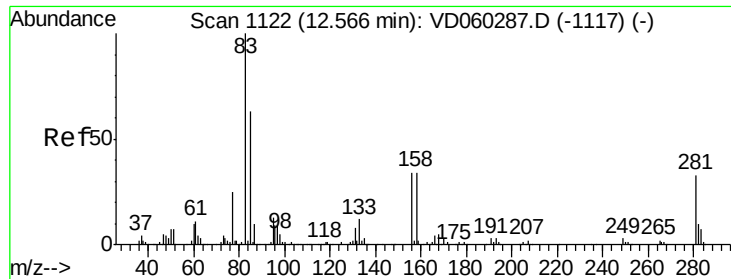
0

12.13

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

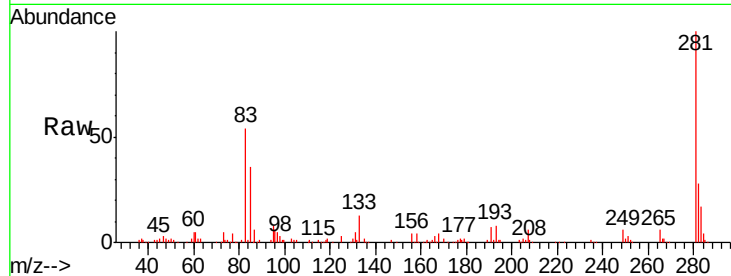
Tgt Ion: 83 Resp: 172288

Ion Ratio Lower Upper

83 100

131 8.7 3.9 11.5

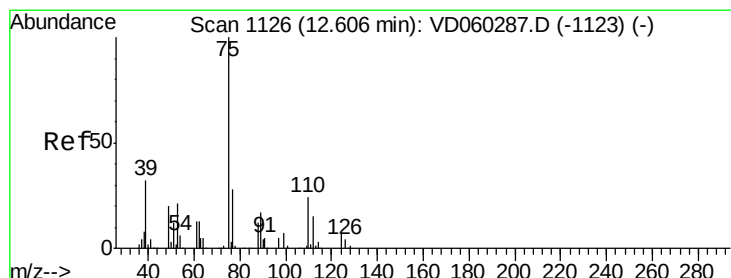
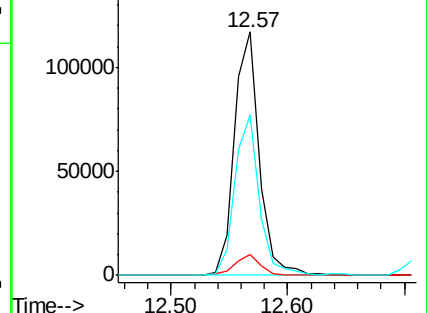
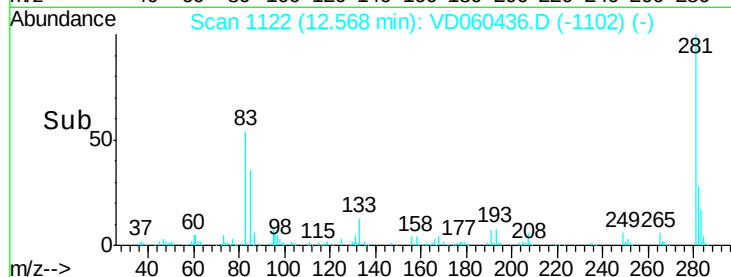
85 65.6 32.0 96.0



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: 19.85 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060436.D

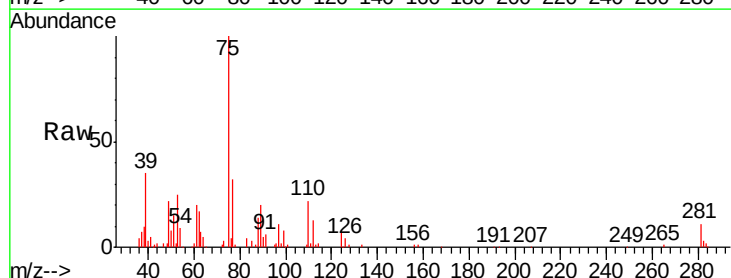
Acq: 21 Nov 2018 12:16

Tgt Ion: 75 Resp: 171769

Ion Ratio Lower Upper

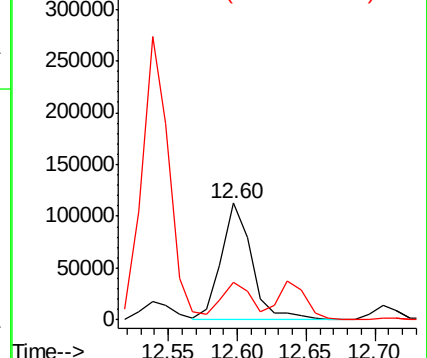
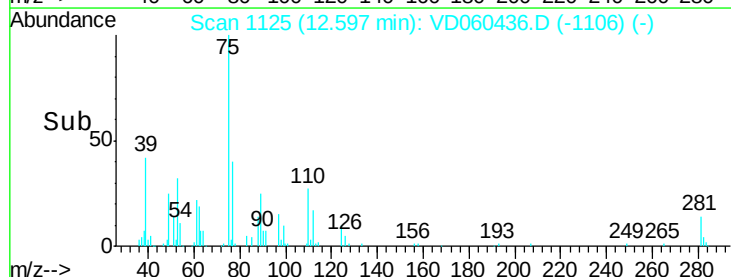
75 100

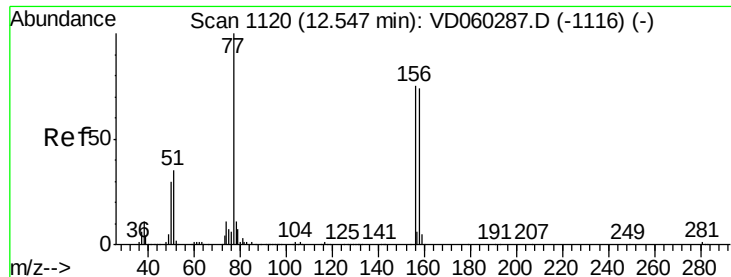
77 32.3 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.35 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

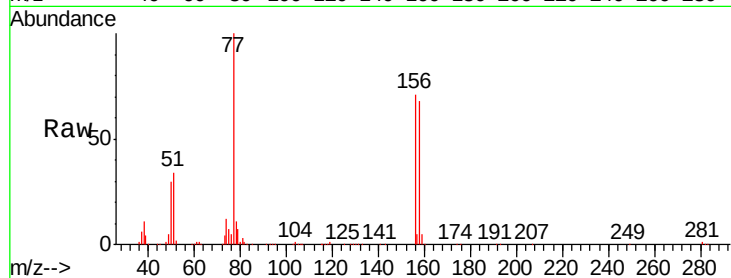
Tgt Ion:156 Resp: 298772

Ion Ratio Lower Upper

156 100

77 140.3 61.2 183.6

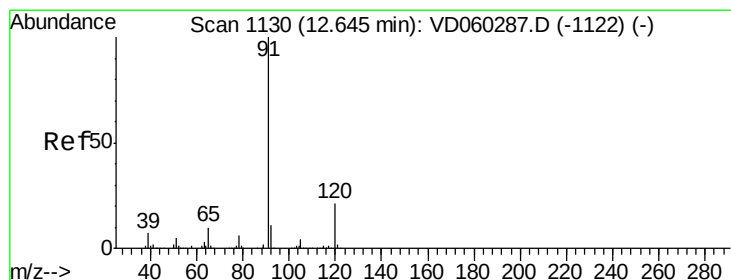
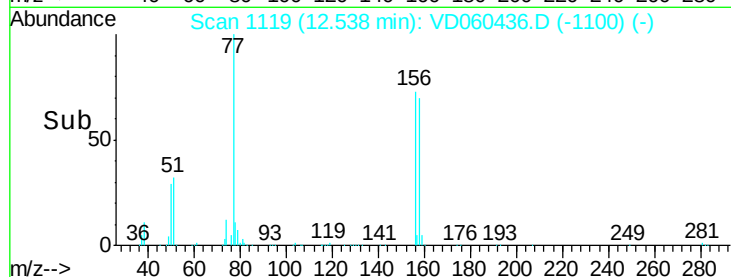
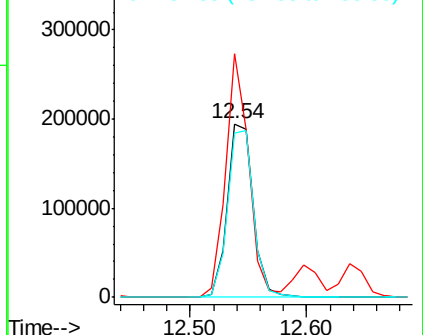
158 94.8 49.2 147.6



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: 22.66 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060436.D

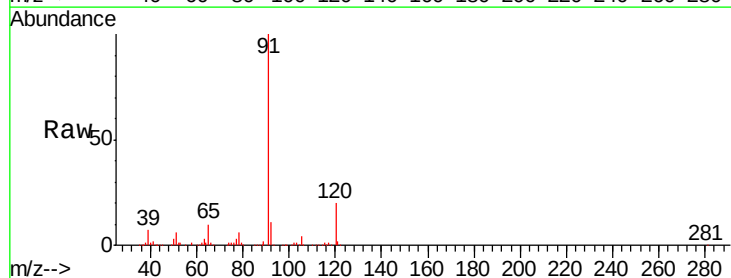
Acq: 21 Nov 2018 12:16

Tgt Ion: 91 Resp: 1490389

Ion Ratio Lower Upper

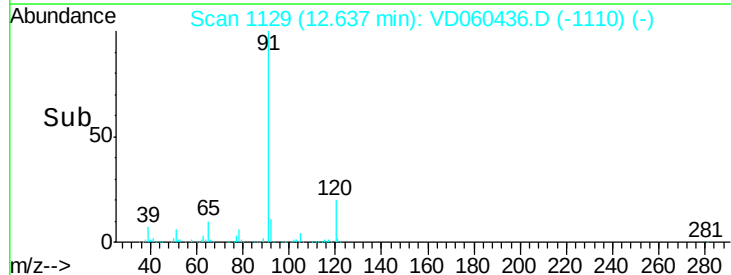
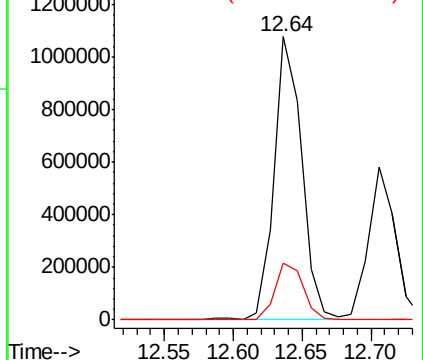
91 100

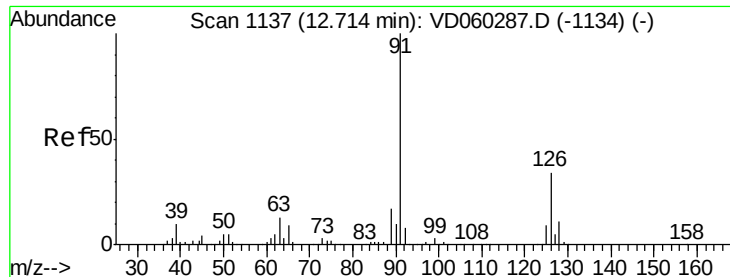
120 20.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

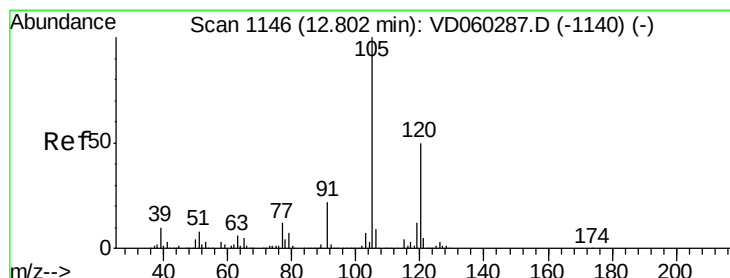
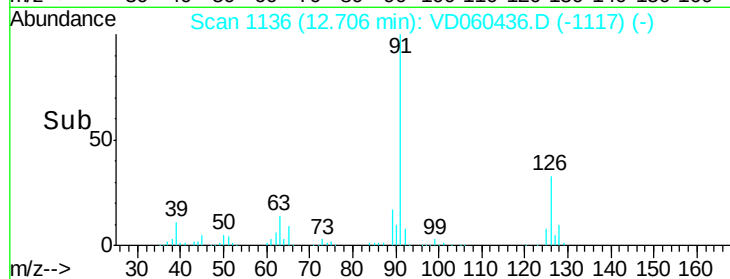
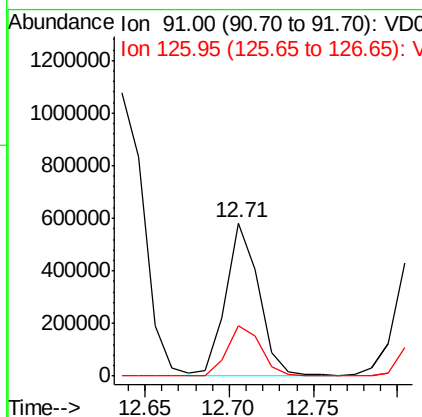
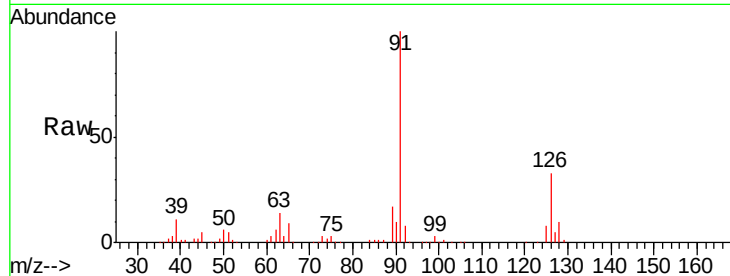




#79
 2-Chlorotoluene
 Concen: 22.01 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

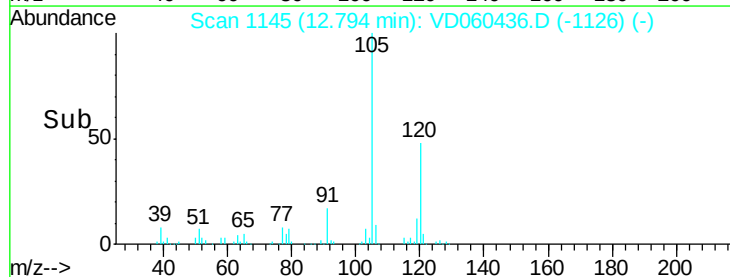
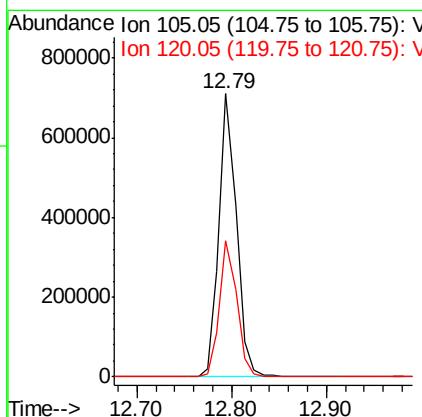
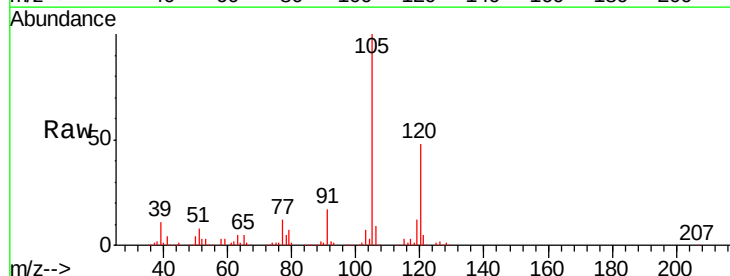
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

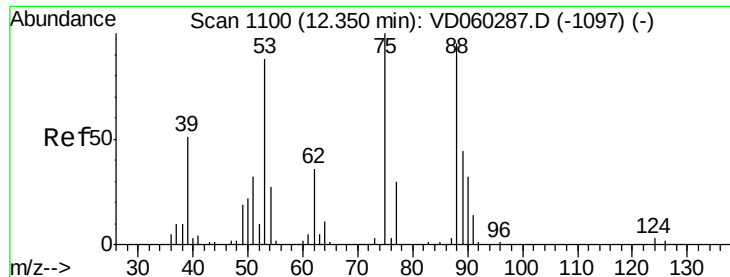
Tgt Ion: 91 Resp: 792989
 Ion Ratio Lower Upper
 91 100
 126 32.6 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.22 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 105 Resp: 909991
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.12 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060436.D

Acq: 21 Nov 2018 12:16

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

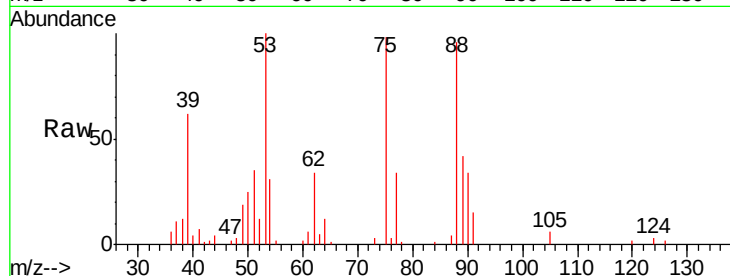
Tgt Ion: 75 Resp: 47100

Ion Ratio Lower Upper

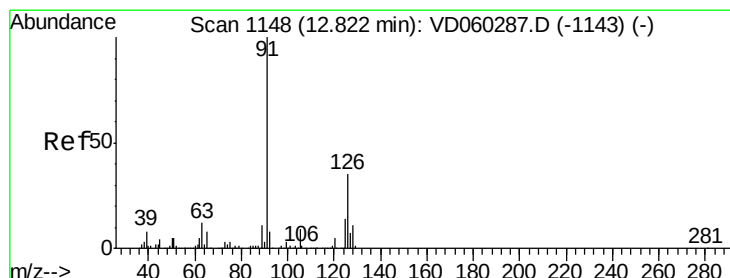
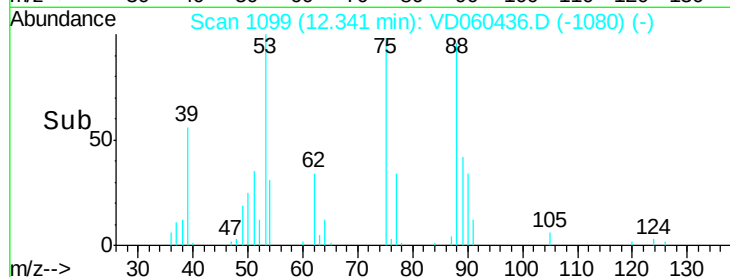
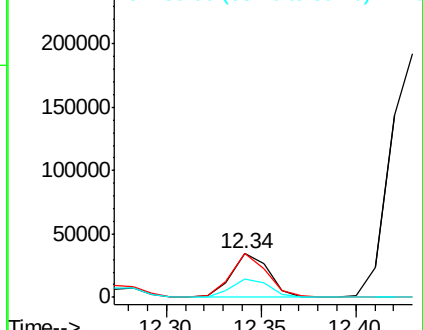
75 100

53 102.5 68.6 103.0

89 43.4 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: 22.16 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060436.D

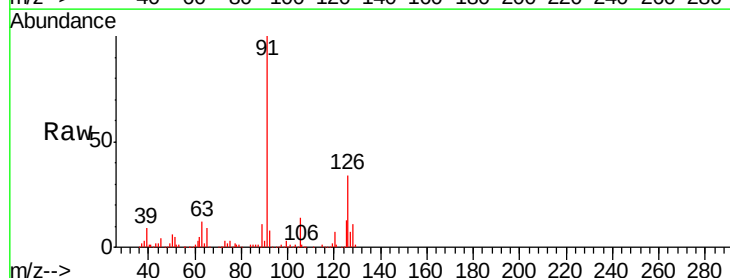
Acq: 21 Nov 2018 12:16

Tgt Ion: 91 Resp: 896752

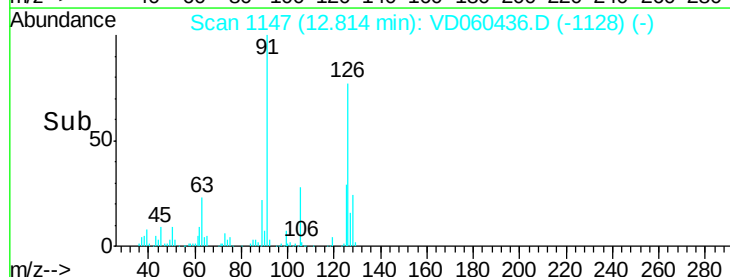
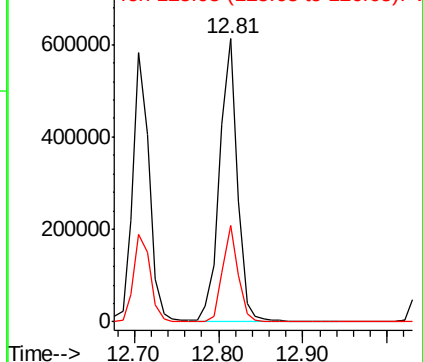
Ion Ratio Lower Upper

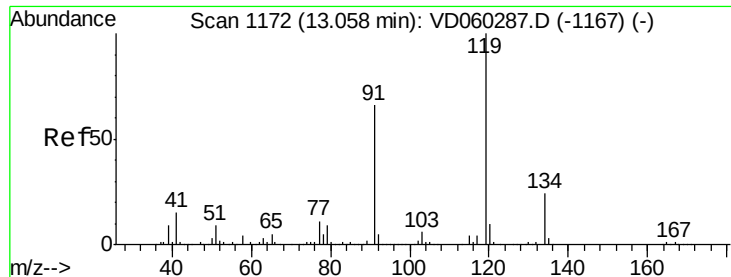
91 100

126 34.0 14.8 44.4



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

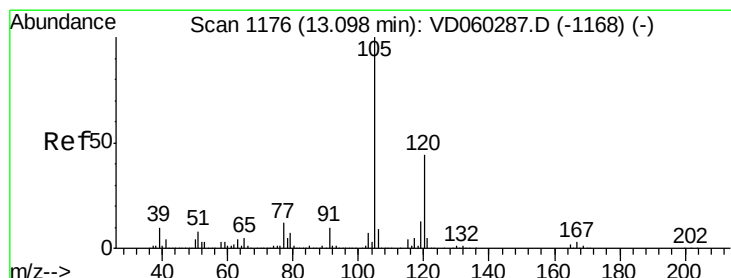
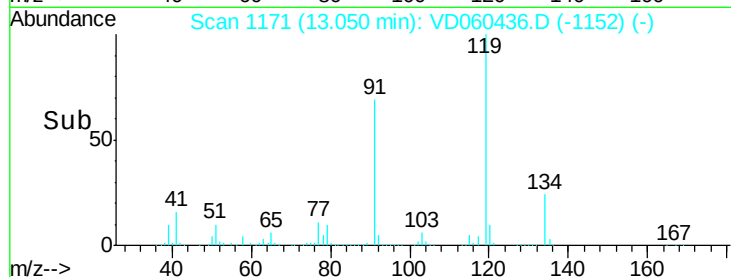
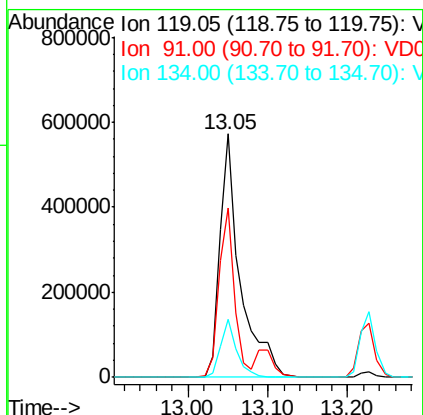
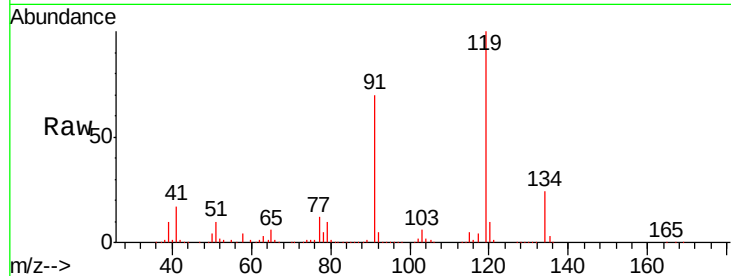




#83
 tert-Butylbenzene
 Concen: 22.66 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

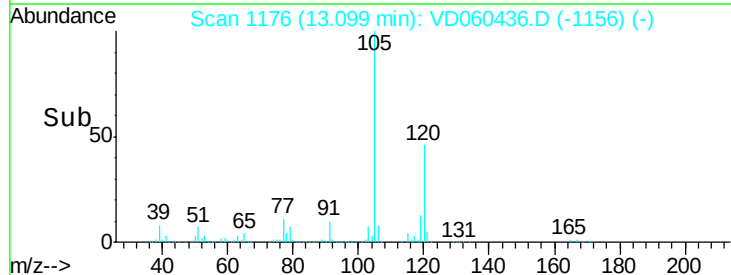
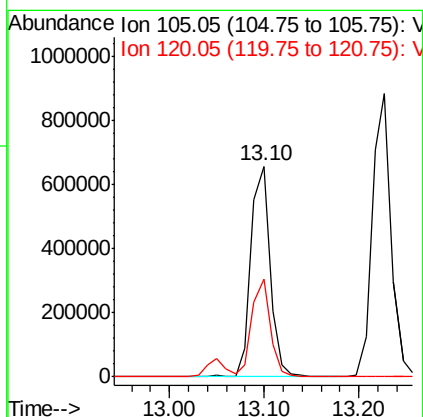
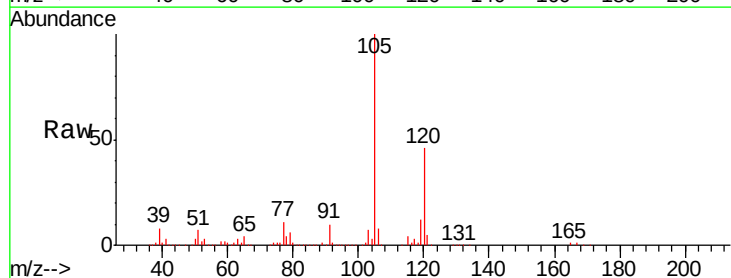
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

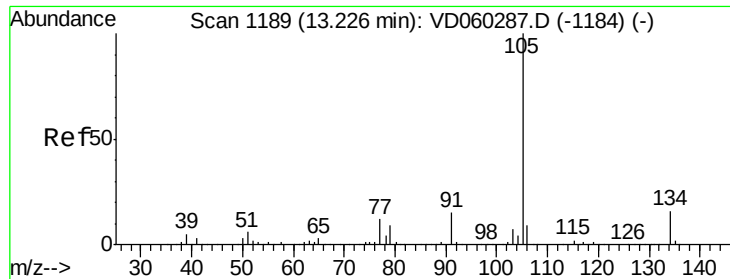
Tgt Ion:119 Resp: 1030325
 Ion Ratio Lower Upper
 119 100
 91 69.5 32.7 98.1
 134 23.6 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 22.73 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion:105 Resp: 929741
 Ion Ratio Lower Upper
 105 100
 120 46.3 21.9 65.8

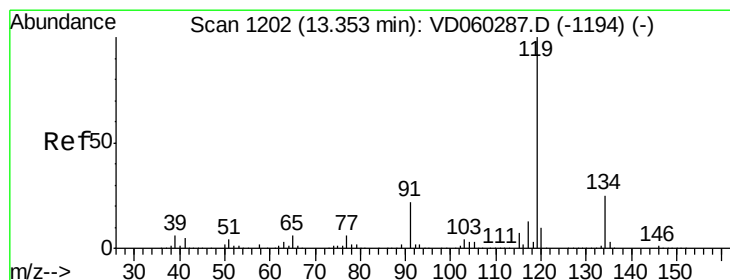
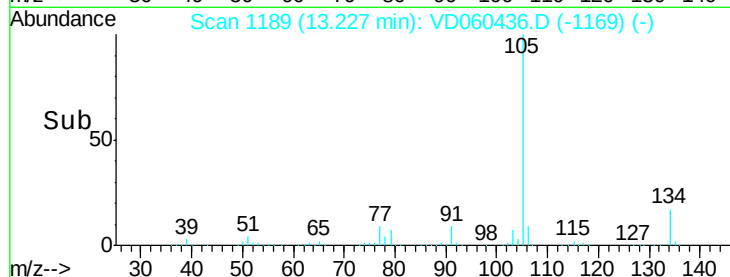
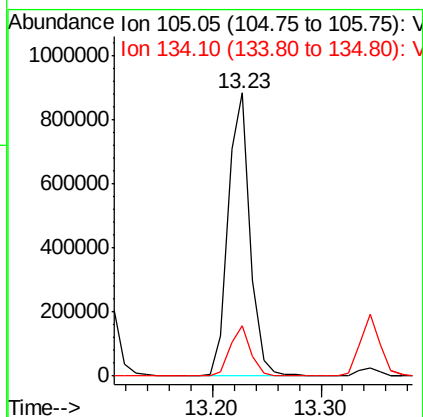
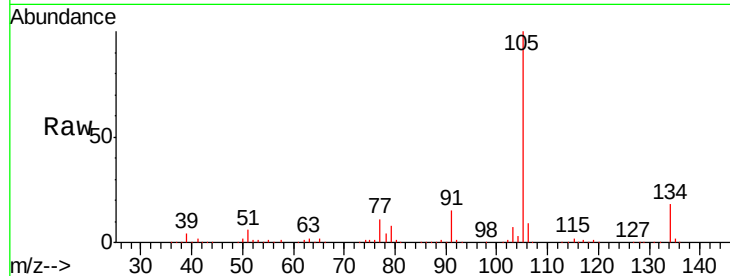




#85
 sec-Butylbenzene
 Concen: 22.03 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

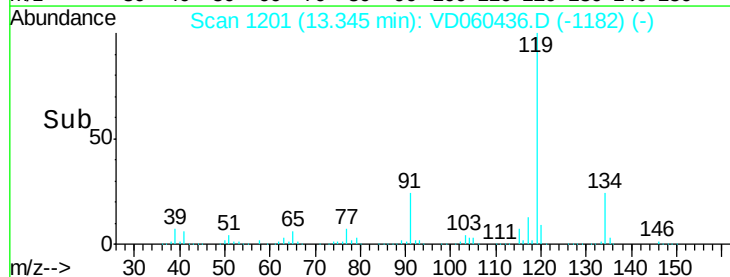
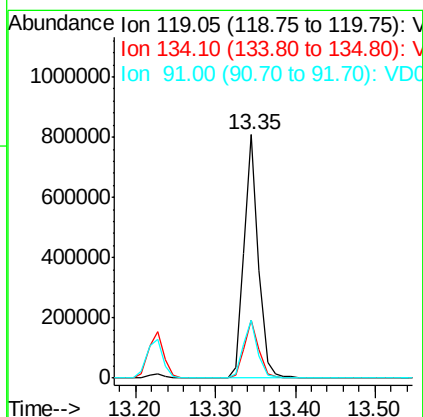
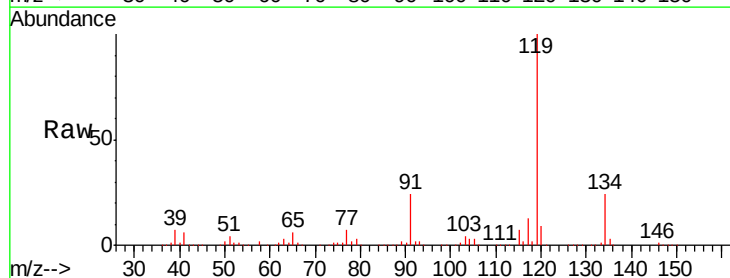
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

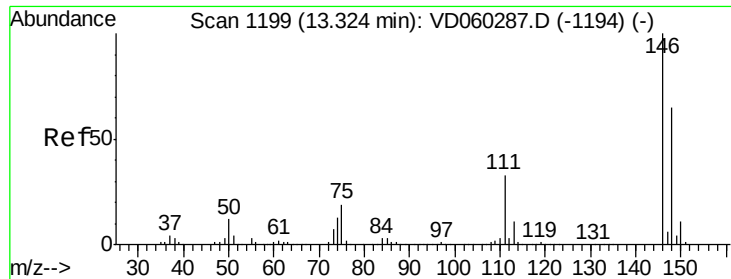
Tgt Ion:105 Resp: 1229015
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 22.38 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion:119 Resp: 1005131
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.9 38.6
 91 23.8 11.3 33.8

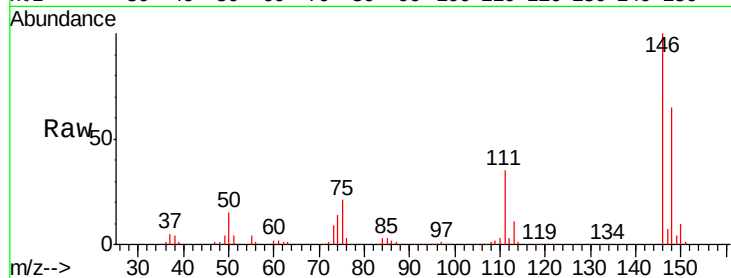




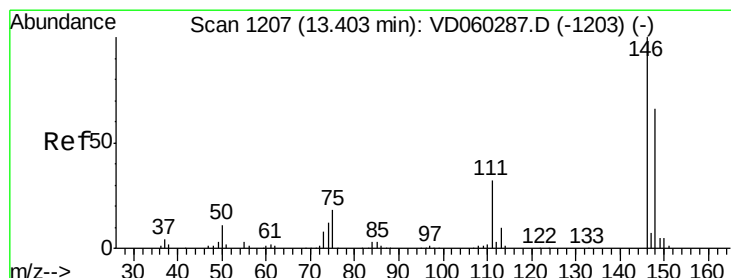
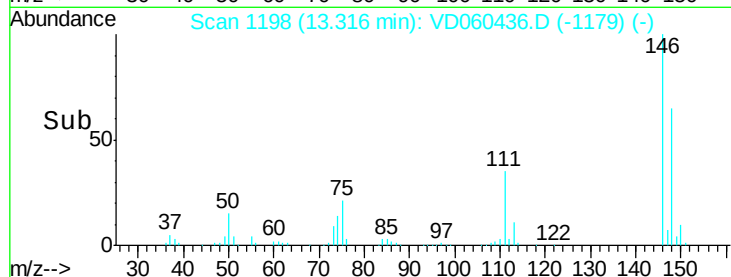
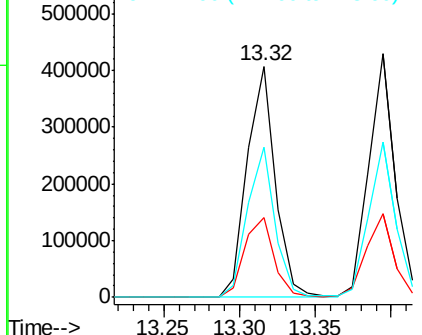
#87
 1,3-Dichlorobenzene
 Concen: 21.25 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	20.2	60.5
148	64.9	32.0	96.0

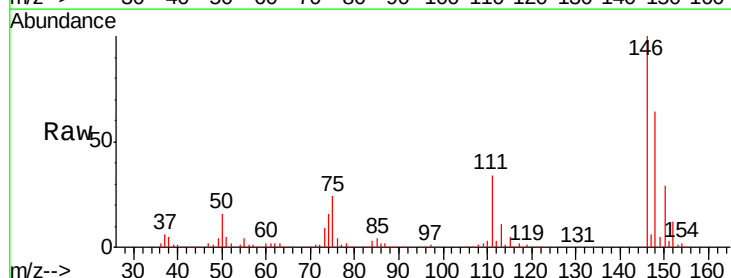


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

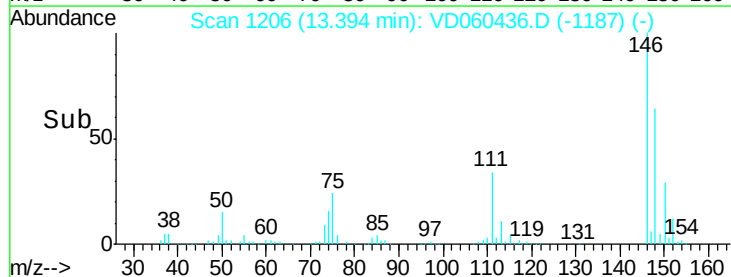
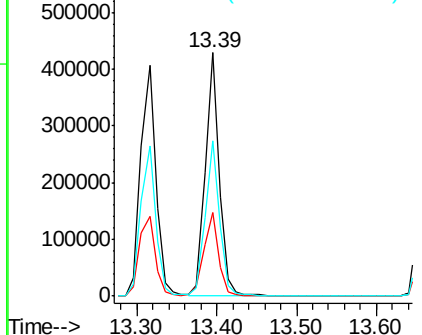


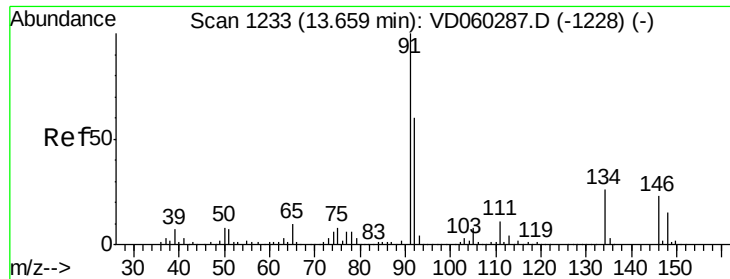
#88
 1,4-Dichlorobenzene
 Concen: 21.64 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	16.0	47.9
148	63.8	32.9	98.7



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

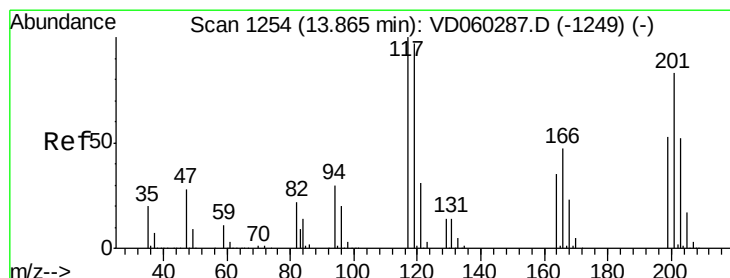
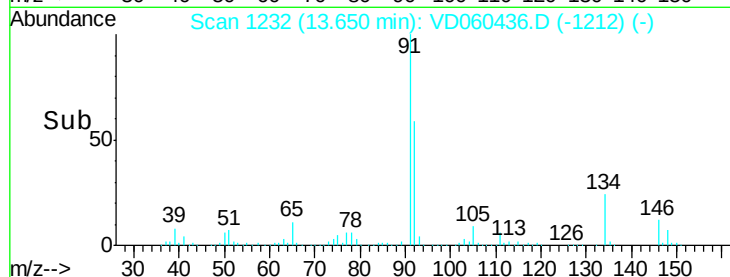
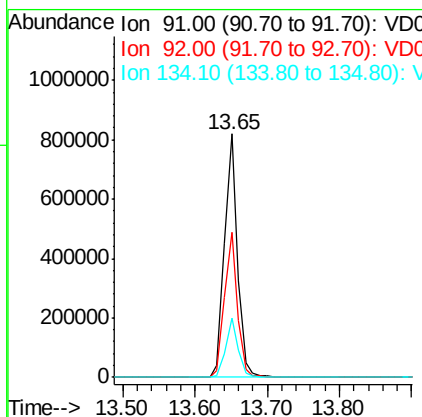
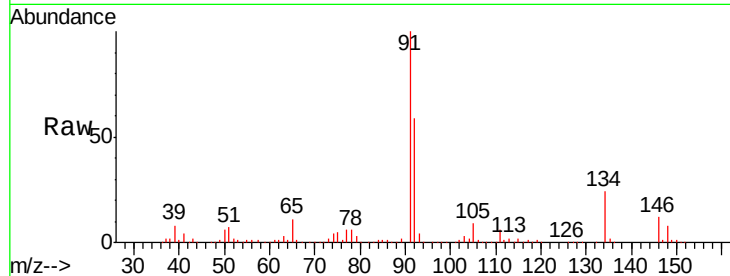




#89
n-Butylbenzene
Concen: 20.71 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

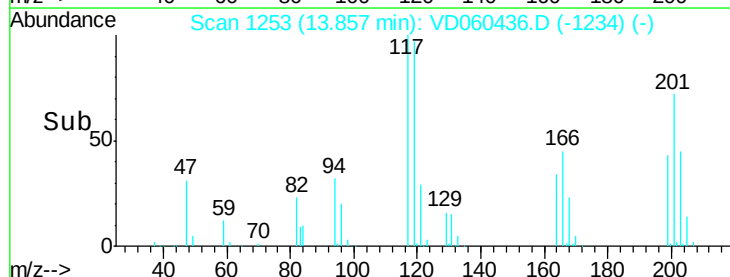
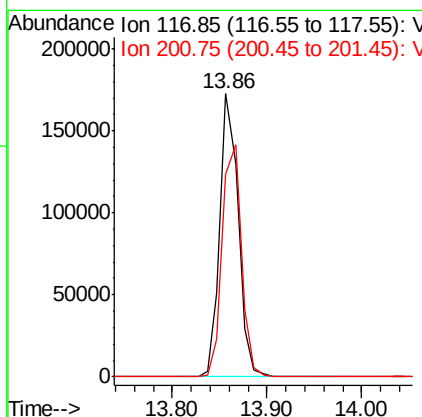
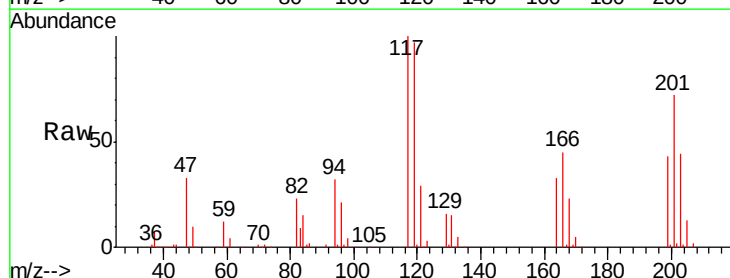
Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

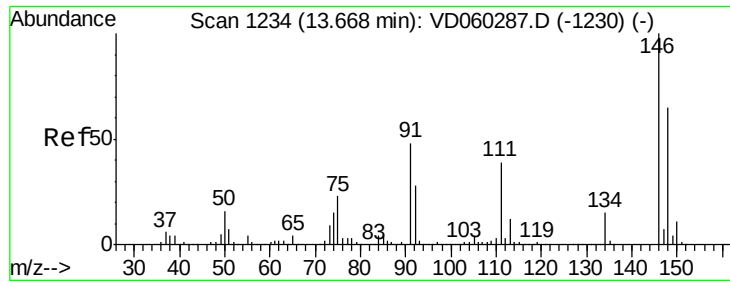
Tgt Ion: 91 Resp: 1019380
Ion Ratio Lower Upper
91 100
92 59.4 30.3 90.9
134 24.2 13.0 38.9



#90
Hexachloroethane
Concen: 21.86 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion: 117 Resp: 232820
Ion Ratio Lower Upper
117 100
201 71.8 40.1 120.3

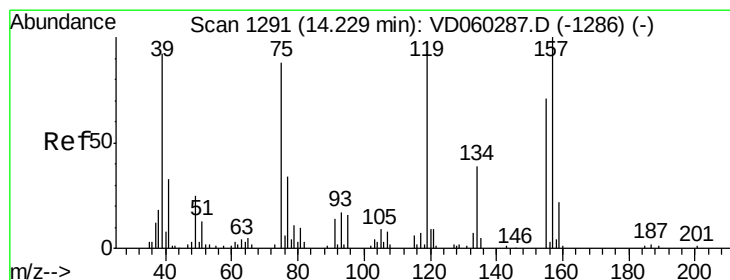
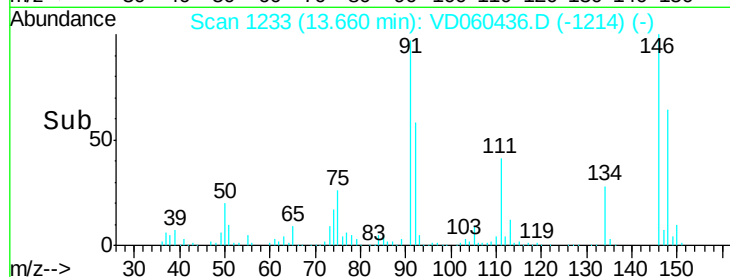
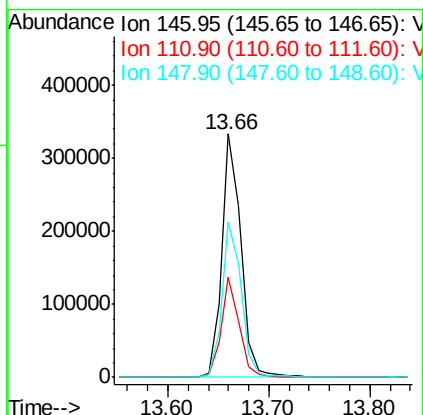
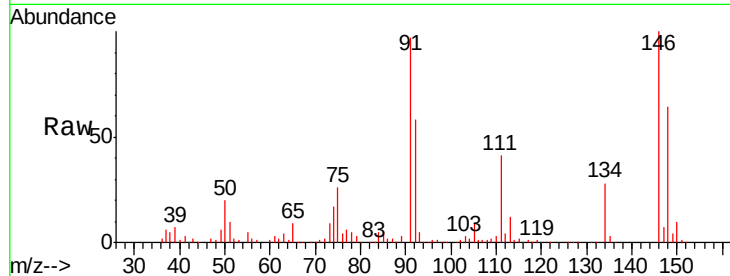




#91
 1,2-Dichlorobenzene
 Concen: 21.67 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

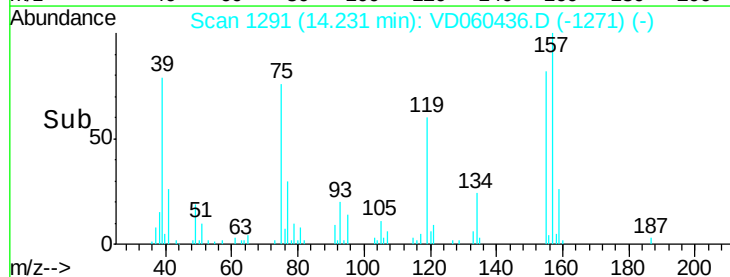
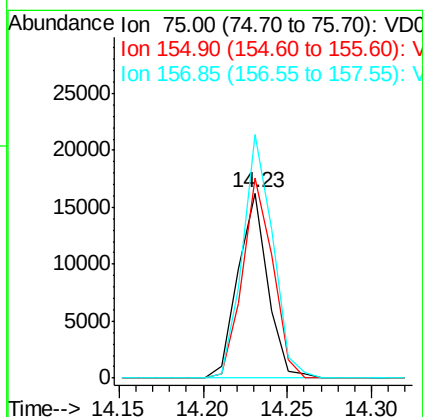
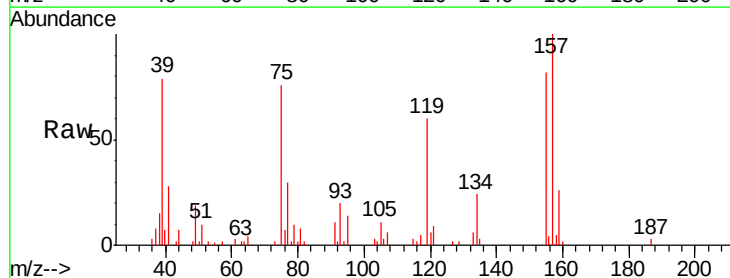
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

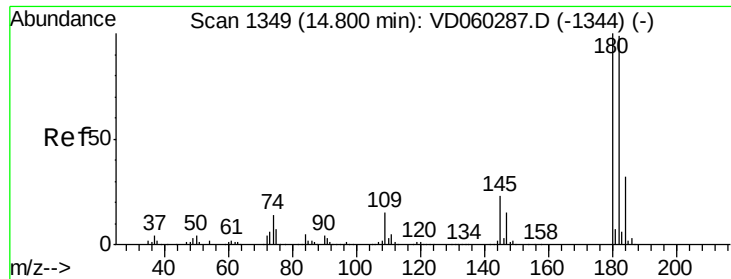
Tgt Ion: 146 Resp: 443258
 Ion Ratio Lower Upper
 146 100
 111 41.0 18.9 56.9
 148 63.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.23 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion: 75 Resp: 20004
 Ion Ratio Lower Upper
 75 100
 155 108.5 64.3 192.9
 157 131.6 81.0 243.1

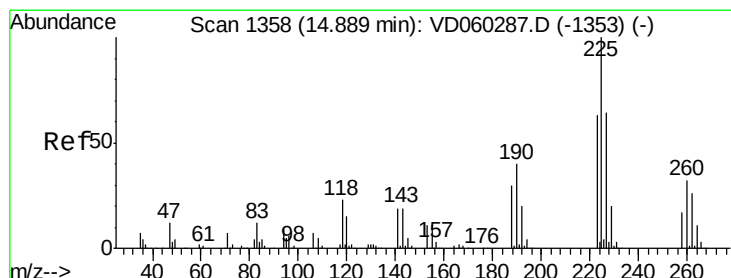
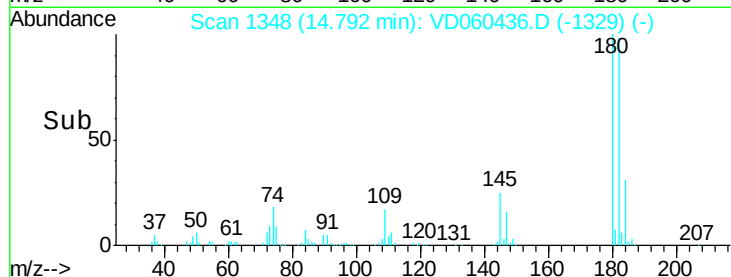
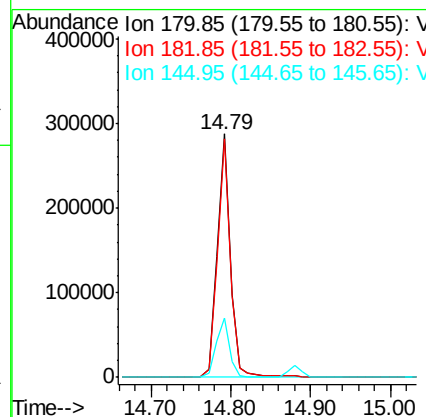
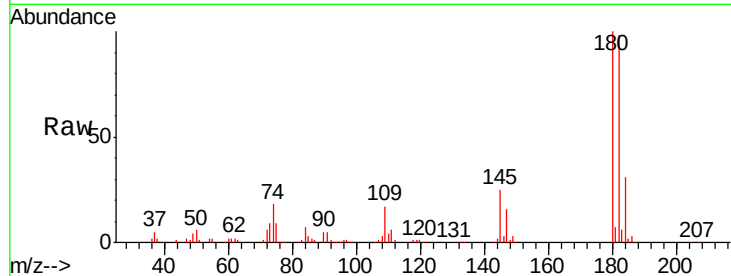




#93
 1,2,4-Trichlorobenzene
 Concen: 20.82 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

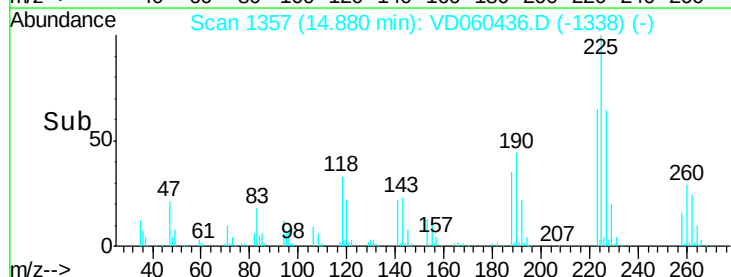
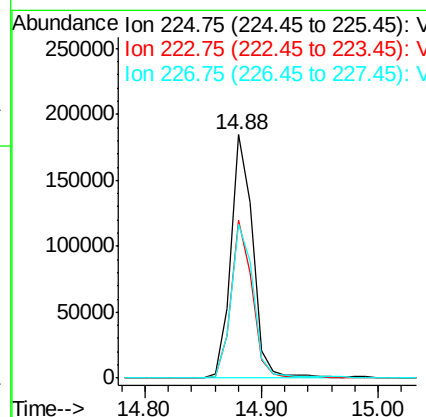
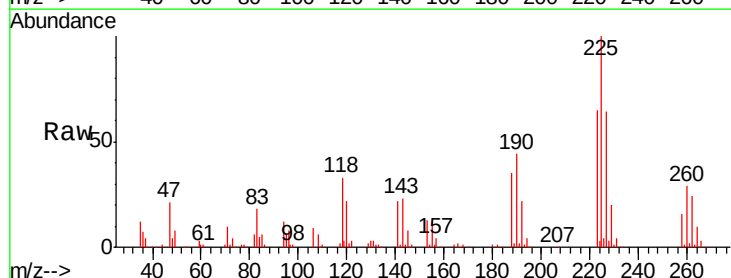
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

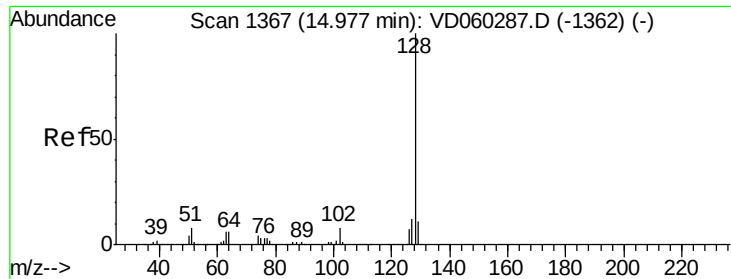
Tgt Ion:180 Resp: 337705
 Ion Ratio Lower Upper
 180 100
 182 98.0 48.1 144.4
 145 24.5 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 20.03 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060436.D
 Acq: 21 Nov 2018 12:16

Tgt Ion:225 Resp: 243013
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.6 94.8
 227 63.5 32.3 96.9

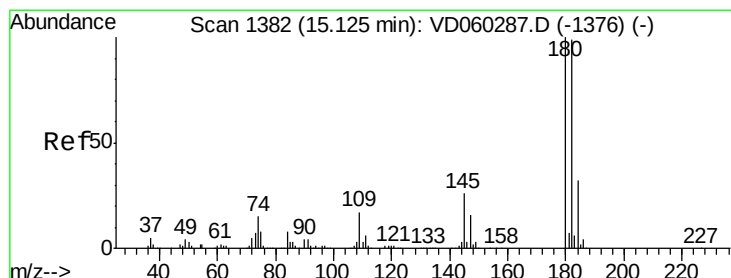
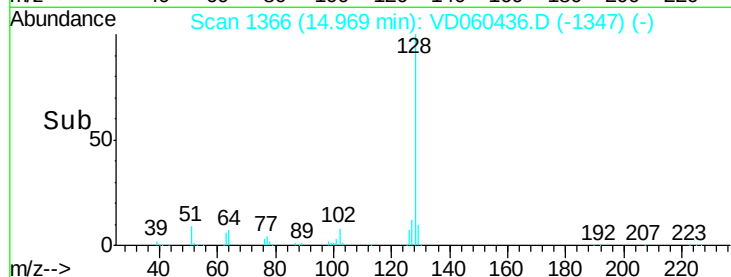
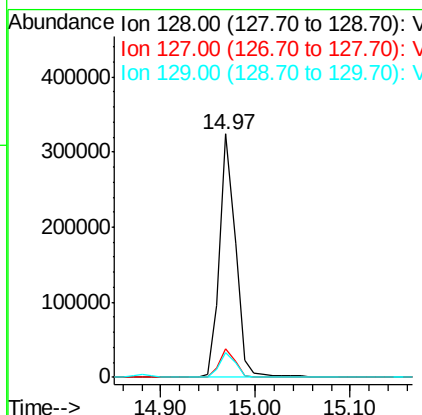
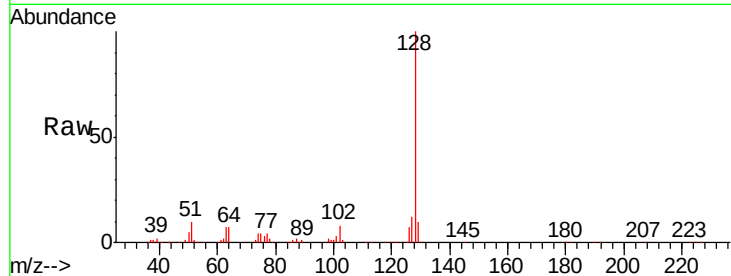




#95
Naphthalene
Concen: 19.26 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tgt Ion:128 Resp: 381357
Ion Ratio Lower Upper
128 100
127 11.8 9.6 14.4
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.84 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060436.D
Acq: 21 Nov 2018 12:16

Tgt Ion:180 Resp: 257823
Ion Ratio Lower Upper
180 100
182 97.5 48.9 146.7
145 26.2 12.9 38.6

