

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060943.D
 Acq On : 5 Mar 2019 12:39
 Operator : VA/AP
 Sample : VD0305SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Quant Time: Mar 06 04:06:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	745391	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1345317	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	1031406	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	494024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	282238	45.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.60%	
35) Dibromofluoromethane	6.94	113	469917	43.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	87.14%	
50) Toluene-d8	10.42	98	1162598	43.32	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.64%	
62) 4-Bromofluorobenzene	13.56	95	450364	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	174034	21.071	ug/l	99
3) Chloromethane	1.76	50	136455	19.909	ug/l	100
4) Vinyl Chloride	1.86	62	121626	19.642	ug/l	97
5) Bromomethane	2.17	94	16670	15.241	ug/l	96
6) Chloroethane	2.28	64	25302	16.960	ug/l	98
7) Trichlorofluoromethane	2.54	101	152500	20.518	ug/l	100
8) Diethyl Ether	2.89	74	56731	17.305	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.16	101	195971	19.439	ug/l	99
10) Methyl Iodide	3.32	142	231529	19.182	ug/l	97
11) Tert butyl alcohol	4.09	59	39790	86.638	ug/l	100
12) 1,1-Dichloroethene	3.14	96	158499	18.535	ug/l	94
13) Acrolein	3.05	56	57015	89.646	ug/l	97
14) Allyl chloride	3.64	41	264852	18.989	ug/l	98
15) Acrylonitrile	4.22	53	150108	85.361	ug/l	98
16) Acetone	3.24	43	201157	97.770	ug/l	99
17) Carbon Disulfide	3.39	76	578721	19.092	ug/l	99
18) Methyl Acetate	3.66	43	70751	16.794	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	278969	18.547	ug/l	99
20) Methylene Chloride	3.83	84	200655	18.241	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	174361	18.730	ug/l	97
22) Diisopropyl ether	5.13	45	541783	18.294	ug/l	93
23) Vinyl Acetate	5.07	43	1460172	93.885	ug/l	99
24) 1,1-Dichloroethane	5.00	63	286151	18.116	ug/l	99
25) 2-Butanone	6.09	43	238683	93.518	ug/l	100
26) 2,2-Dichloropropane	6.04	77	241110	20.548	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	203949	19.322	ug/l	97
28) Bromochloromethane	6.45	49	125764	18.956	ug/l #	98
29) Tetrahydrofuran	6.47	42	125868	95.809	ug/l	99
30) Chloroform	6.68	83	285838	18.659	ug/l	99
31) Cyclohexane	6.97	56	261536	19.225	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	257462	19.627	ug/l	99
36) 1,1-Dichloropropene	7.16	75	237270	19.182	ug/l	99
37) Ethyl Acetate	6.19	43	103669	16.304	ug/l	98
38) Carbon Tetrachloride	7.13	117	248388	18.691	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	267025	19.749	ug/l	97
40) Benzene	7.46	78	571146	18.131	ug/l	100
41) Methacrylonitrile	6.47	41	132477	33.349	ug/l #	88
42) 1,2-Dichloroethane	7.59	62	169867	19.165	ug/l	100
43) Isopropyl Acetate	9.25	43	161730	18.242	ug/l #	98
44) Trichloroethene	8.55	130	209127	19.385	ug/l	98
45) 1,2-Dichloropropane	8.95	63	158157	18.964	ug/l	99
46) Dibromomethane	9.07	93	100092	18.607	ug/l	94
47) Bromodichloromethane	9.38	83	222785	18.987	ug/l	98
48) Methyl methacrylate	9.13	41	89846	18.038	ug/l	93
49) 1,4-Dioxane	9.09	88	18746	359.506	ug/l #	83
51) 4-Methyl-2-Pentanone	10.31	43	501225	92.859	ug/l	100
52) Toluene	10.52	92	398670	19.699	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	190332	17.627	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	251966	18.819	ug/l	95
55) 1,1,2-Trichloroethane	11.20	97	126581	18.913	ug/l	99
56) Ethyl methacrylate	11.05	69	130892	18.448	ug/l	96
57) 1,3-Dichloropropane	11.41	76	177193	18.210	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	346120	91.341	ug/l	97
59) 2-Hexanone	11.54	43	358430	94.729	ug/l	99
60) Dibromochloromethane	11.69	129	173667	17.992	ug/l	96
61) 1,2-Dibromoethane	11.81	107	149912	19.066	ug/l	95
64) Tetrachloroethene	11.26	164	158234	20.041	ug/l	98
65) Chlorobenzene	12.41	112	464261	20.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	164989	20.022	ug/l	98
67) Ethyl Benzene	12.52	91	698840	20.901	ug/l	99
68) m/p-Xylenes	12.67	106	540897	40.491	ug/l	98
69) o-Xylene	13.06	106	255618	20.371	ug/l	95
70) Styrene	13.08	104	424593	20.280	ug/l	97
71) Bromoform	13.24	173	96511	18.504	ug/l	99
73) Isopropylbenzene	13.41	105	698445	18.299	ug/l	99
74) N-amyl acetate	13.27	43	184076	16.144	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	128249	16.201	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	139550	17.434	ug/l	99
77) Bromobenzene	13.68	156	183687	18.411	ug/l	99
78) n-propylbenzene	13.78	91	863366	19.660	ug/l	97
79) 2-Chlorotoluene	13.84	91	459799	18.333	ug/l	97
80) 1,3,5-Trimethylbenzene	14.24	105	576890	19.930	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	40327	17.023	ug/l	99
82) 4-Chlorotoluene	13.95	91	569341	20.697	ug/l	97
83) tert-Butylbenzene	14.20	119	675320	20.377	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	576890	19.930	ug/l	99
85) sec-Butylbenzene	14.38	105	738458	19.220	ug/l	96
86) p-Isopropyltoluene	14.49	119	620654	19.833	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	355069	20.948	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	334980	19.901	ug/l	97
89) n-Butylbenzene	14.80	91	585158	18.727	ug/l	98
90) Hexachloroethane	15.02	117	162157	17.967	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	277483	18.895	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	15690	16.938	ug/l	94

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QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration

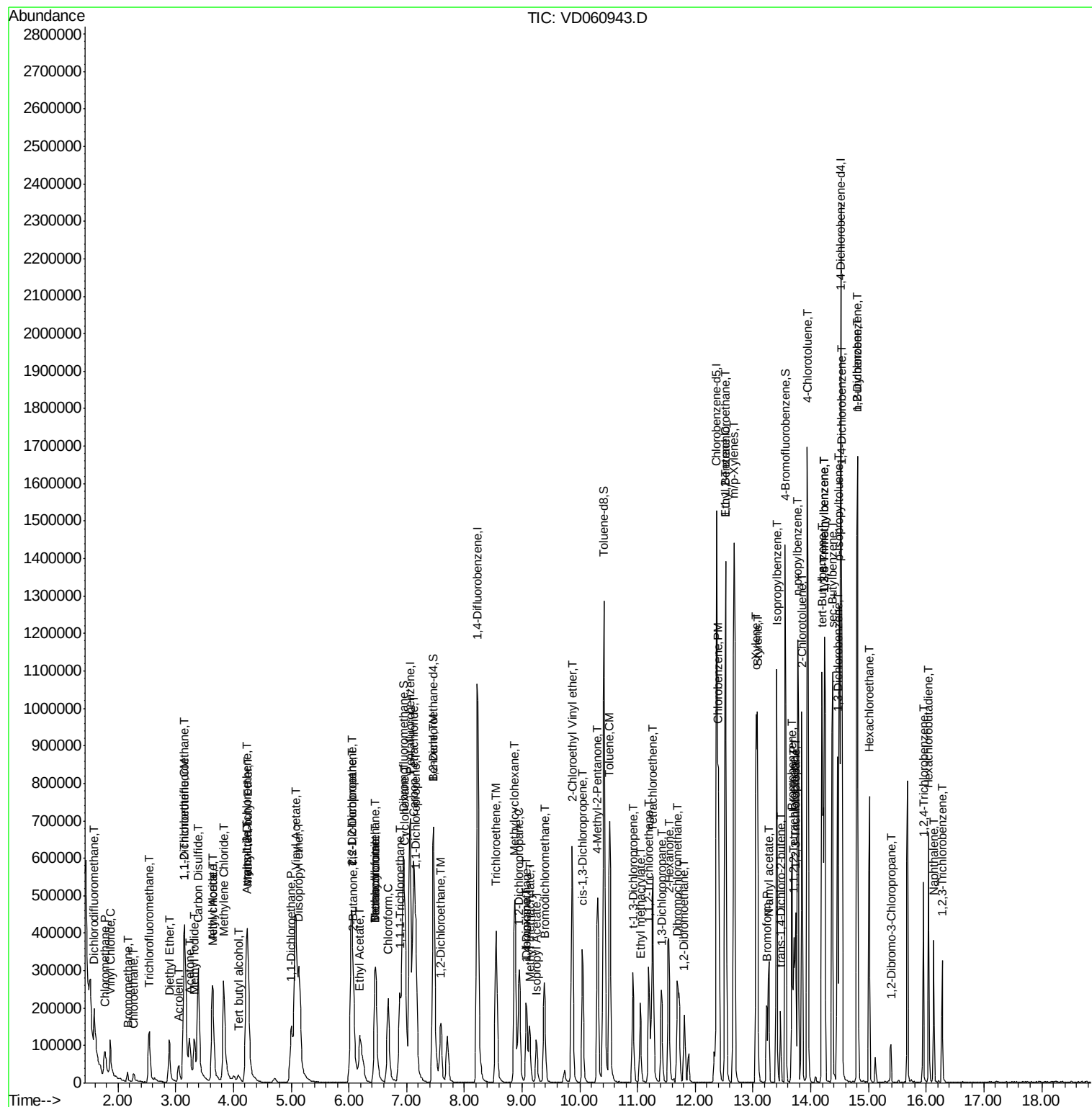
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	140886	16.522	ug/l	99
94) Hexachlorobutadiene	16.04	225	103669	18.941	ug/l	98
95) Naphthalene	16.13	128	217939	16.412	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	80140	16.735	ug/l	98

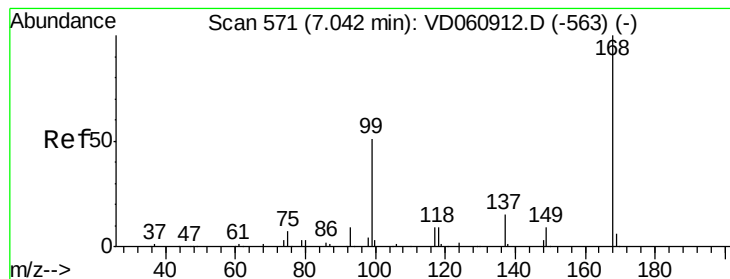
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

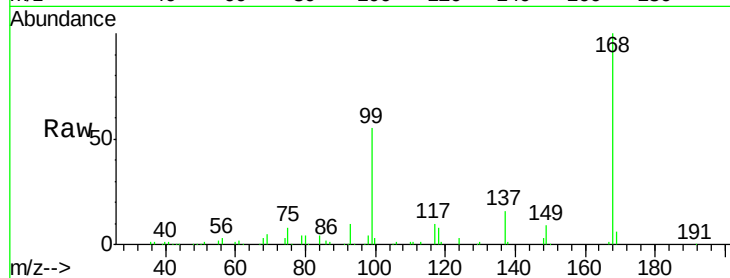
VD0305SBS01

Tot Ion:168 Resp: 745391

Ion Ratio Lower Upper

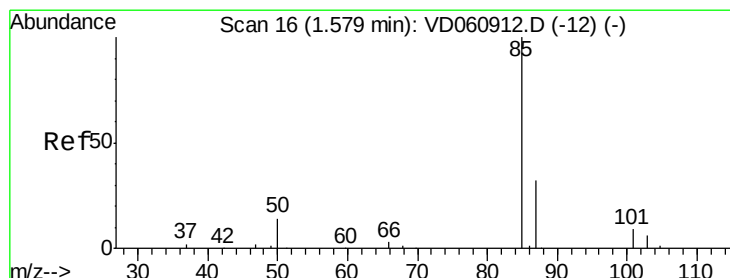
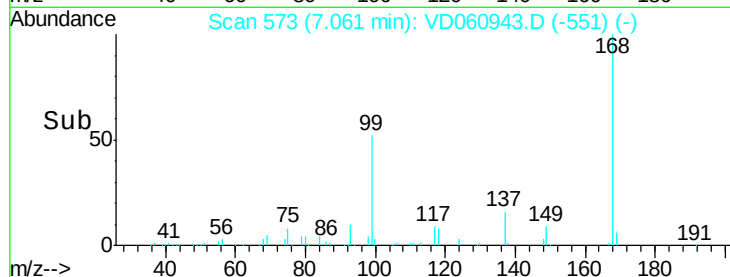
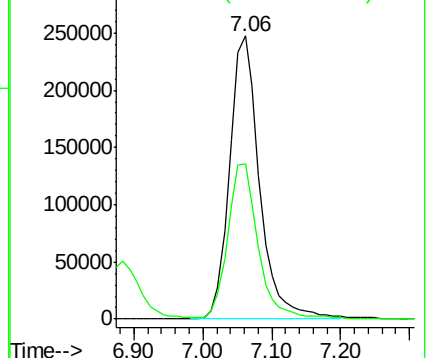
168 100

99 54.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.071 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD060943.D

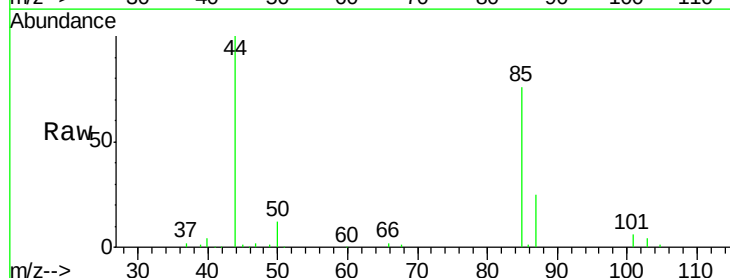
Acq: 5 Mar 2019 12:39

Tgt Ion: 85 Resp: 174034

Ion Ratio Lower Upper

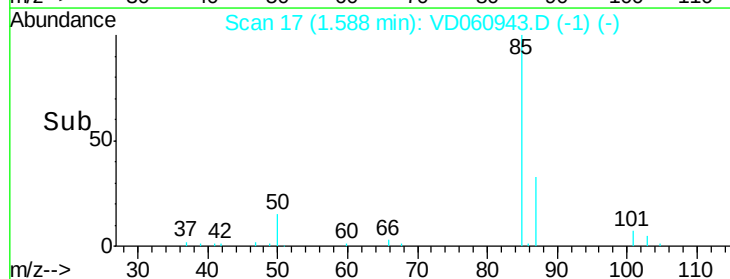
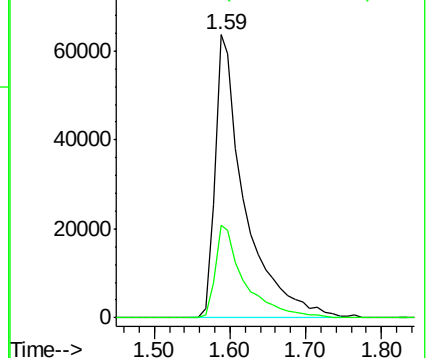
85 100

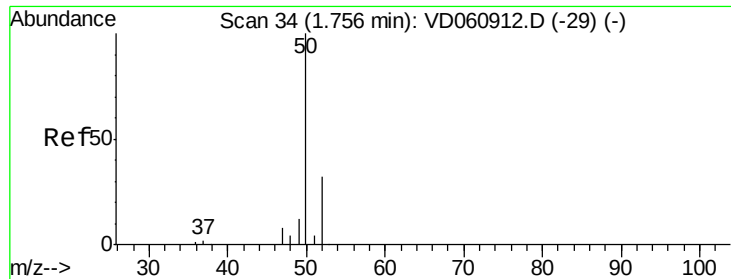
87 32.9 16.3 48.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.909 ug/l

RT: 1.76 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

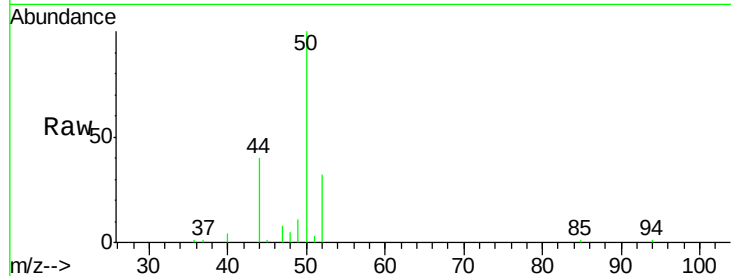
VD0305SBS01

Tot Ion: 50 Resp: 136455

Ion Ratio Lower Upper

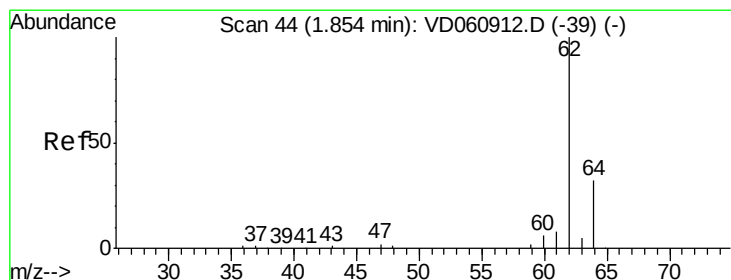
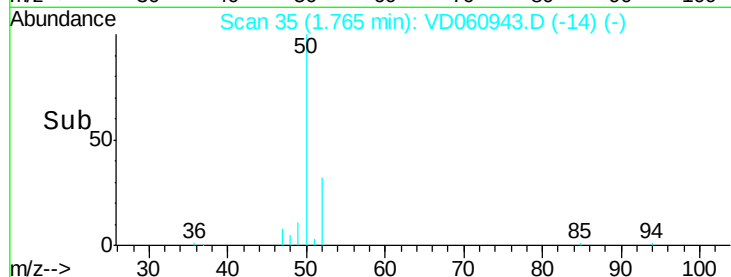
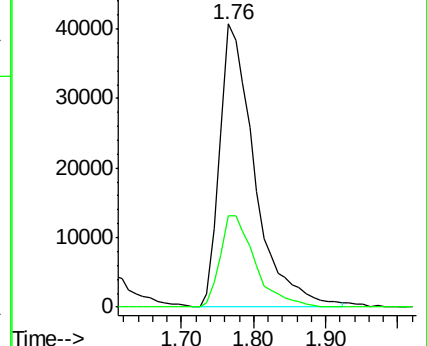
50 100

52 32.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.642 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD060943.D

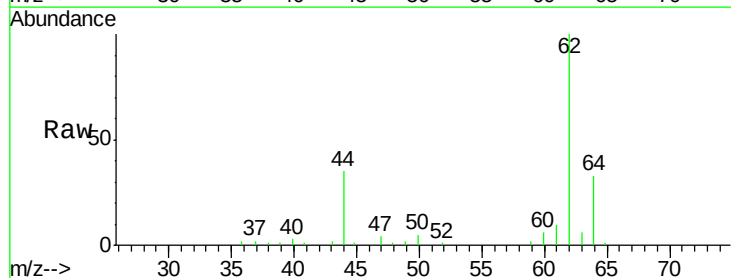
Acq: 5 Mar 2019 12:39

Tgt Ion: 62 Resp: 121626

Ion Ratio Lower Upper

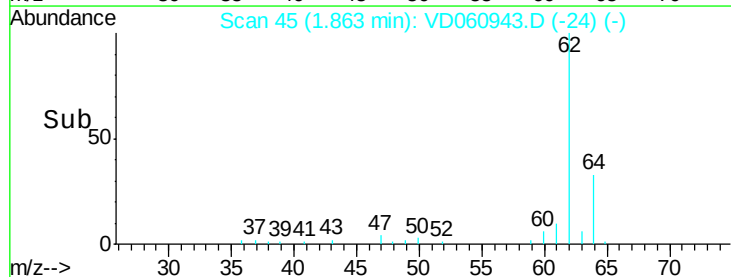
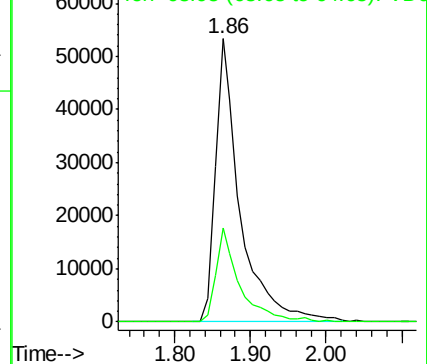
62 100

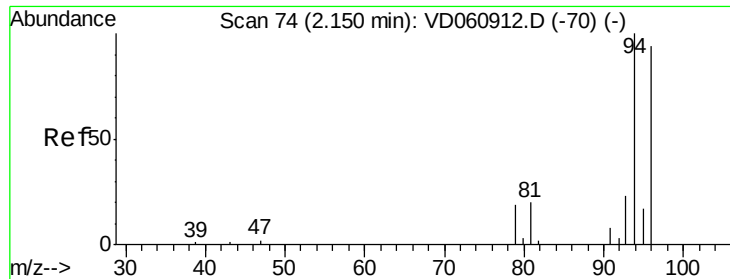
64 33.4 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.241 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

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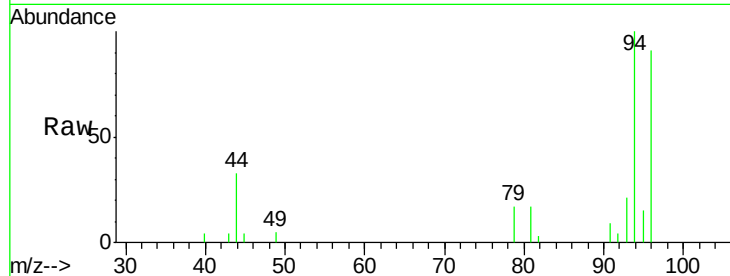
Tot Ion: 94 Resp: 16670

Ion Ratio Lower Upper

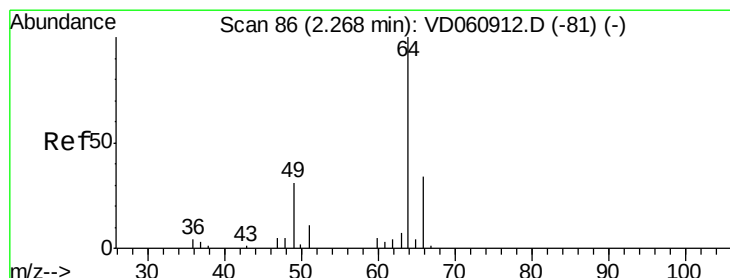
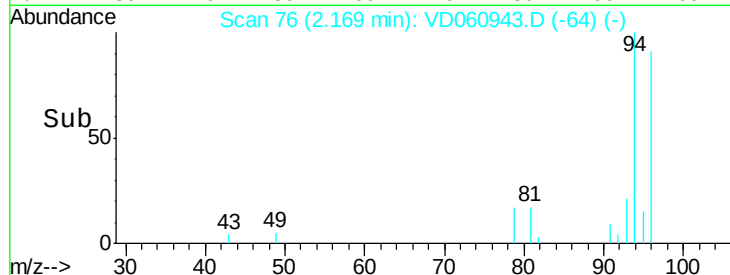
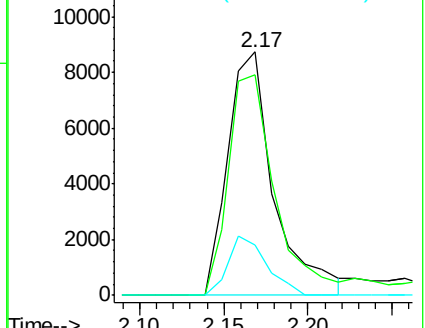
94 100

96 90.7 75.1 112.7

93 20.9 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 16.960 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD060943.D

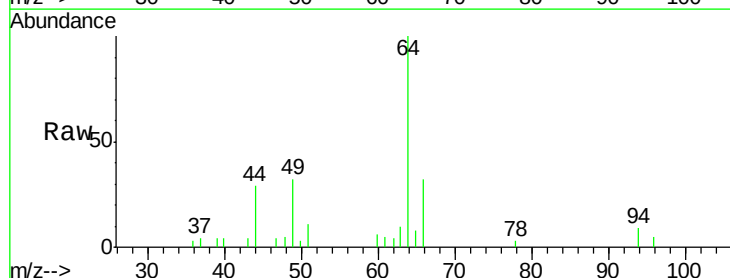
Acq: 5 Mar 2019 12:39

Tgt Ion: 64 Resp: 25302

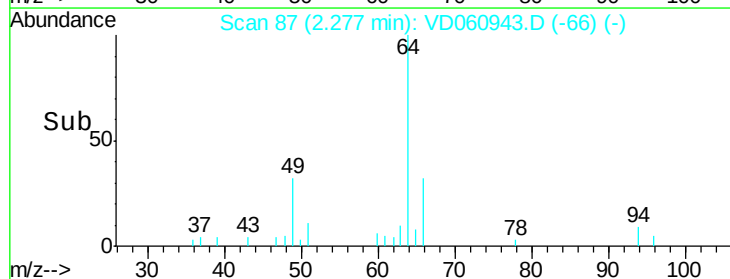
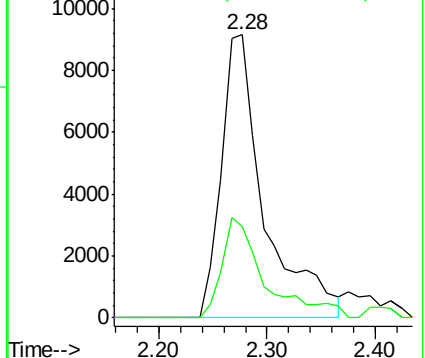
Ion Ratio Lower Upper

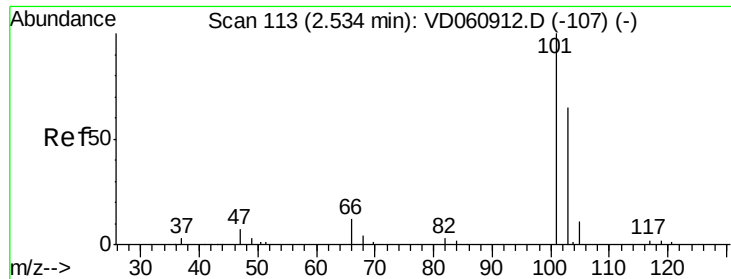
64 100

66 32.5 27.0 40.6



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



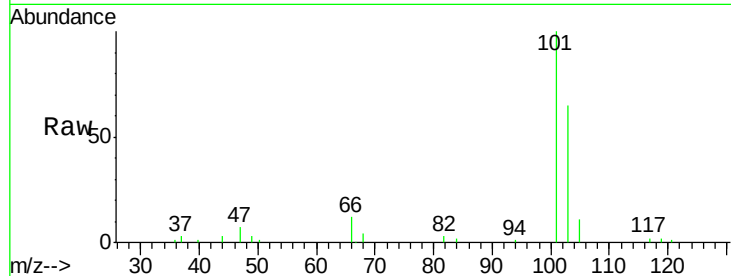


#7

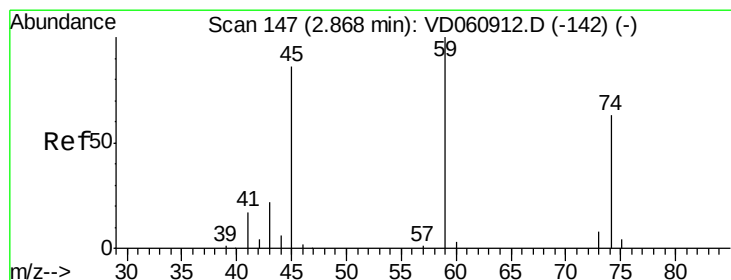
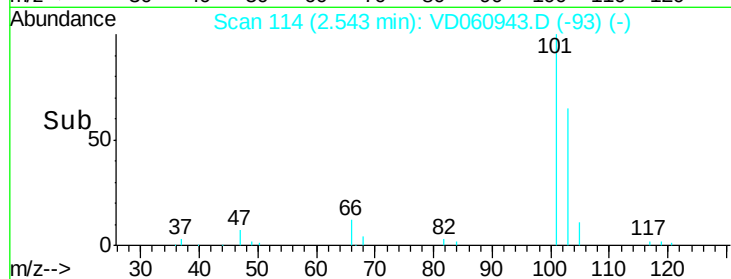
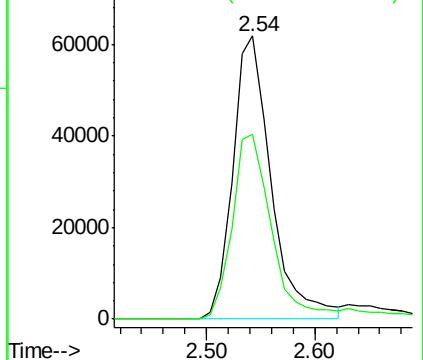
Trichlorofluoromethane
 Concen: 20.518 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Instrument :
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Tot Ion:101 Resp: 152500
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.4 78.6



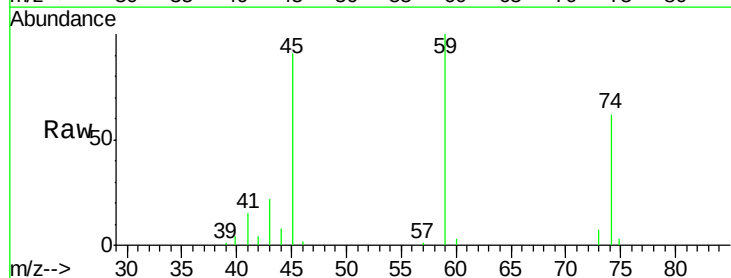
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



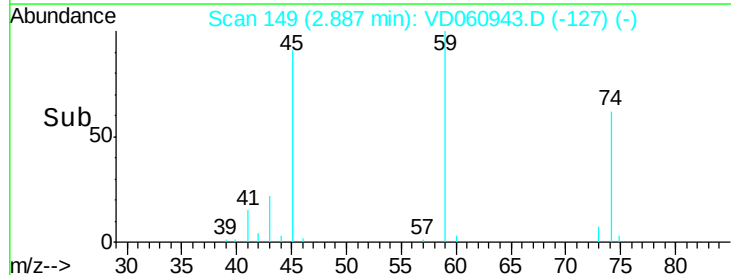
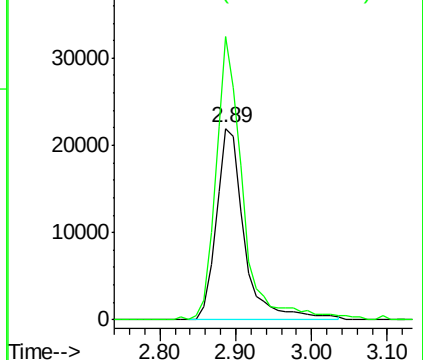
#8

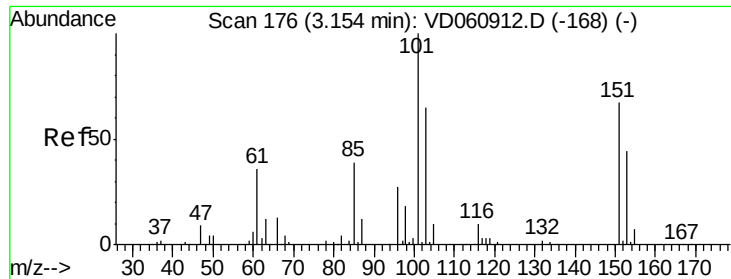
Diethyl Ether
 Concen: 17.305 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD060943.D
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Tgt Ion: 74 Resp: 56731
 Ion Ratio Lower Upper
 74 100
 45 147.9 68.8 206.4



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: 19.439 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

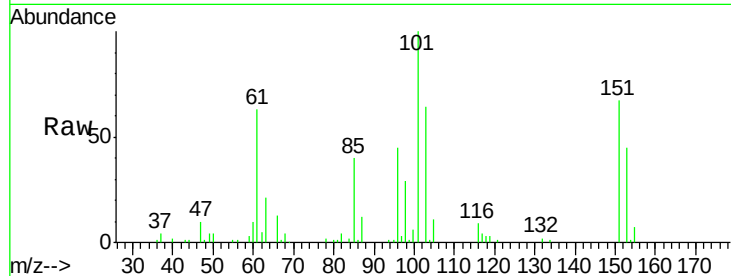
Tot Ion:101 Resp: 195971

Ion Ratio Lower Upper

101 100

85 39.7 31.0 46.6

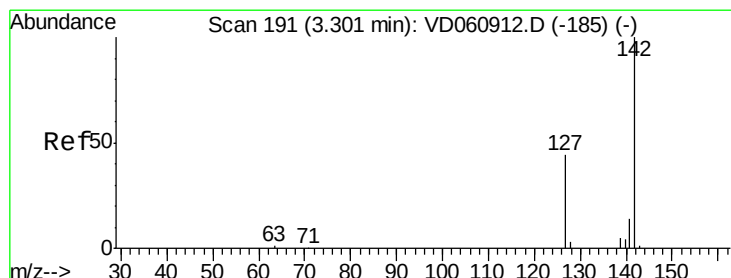
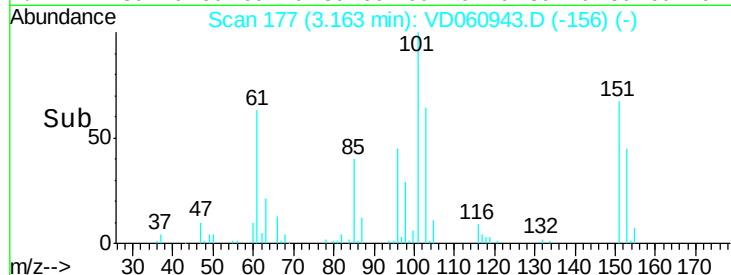
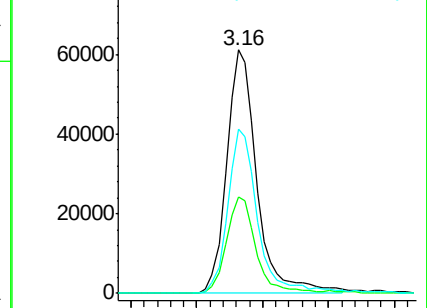
151 67.3 53.8 80.6



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: 19.182 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

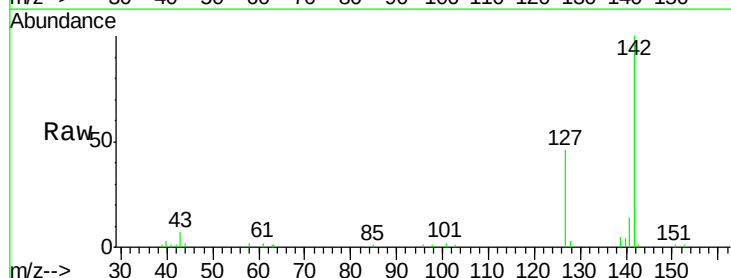
Tgt Ion:142 Resp: 231529

Ion Ratio Lower Upper

142 100

127 46.0 35.0 52.6

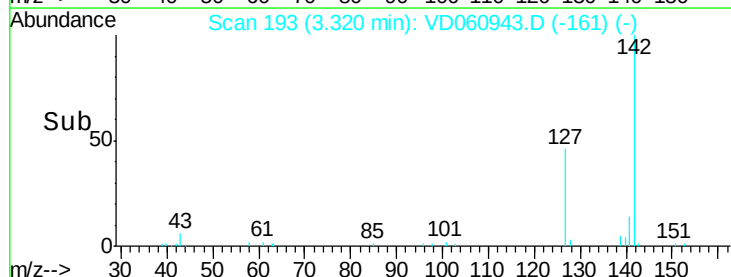
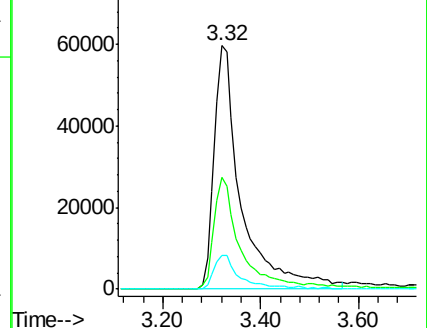
141 14.1 11.0 16.4

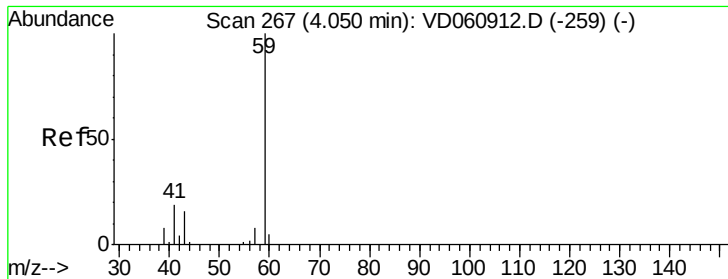


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

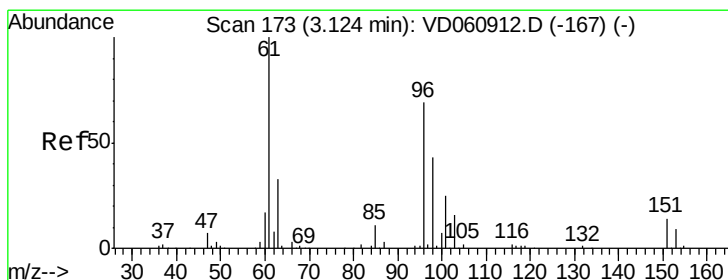
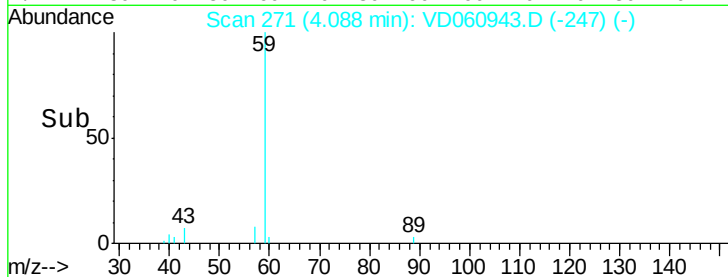
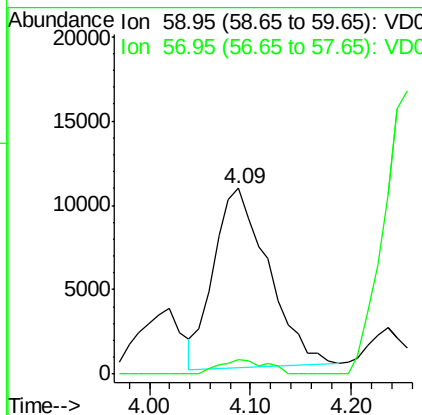
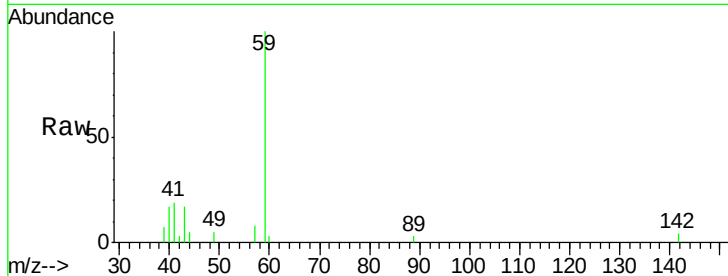




#11
Tert butyl alcohol
Concen: 86.638 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.04 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

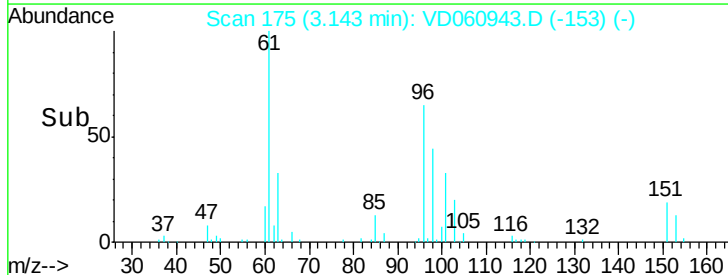
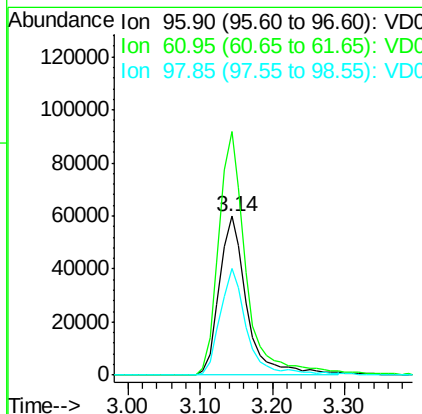
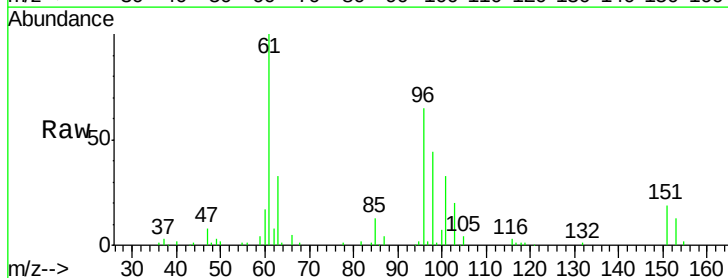
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

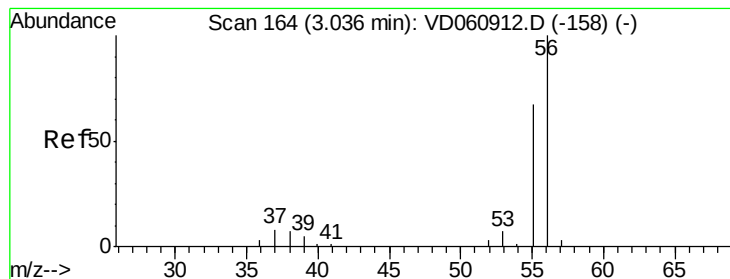
Tot Ion: 59 Resp: 39790
Ion Ratio Lower Upper
59 100
57 8.1 6.5 9.7



#12
1,1-Dichloroethene
Concen: 18.535 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion: 96 Resp: 158499
Ion Ratio Lower Upper
96 100
61 153.5 116.4 174.6
98 67.0 50.5 75.7





#13

Acrolein

Concen: 89.646 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

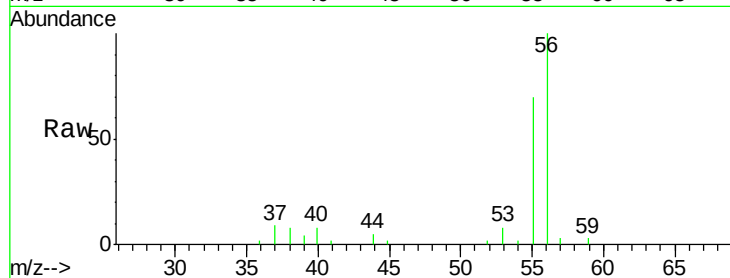
VD0305SBS01

Tot Ion: 56 Resp: 57015

Ion Ratio Lower Upper

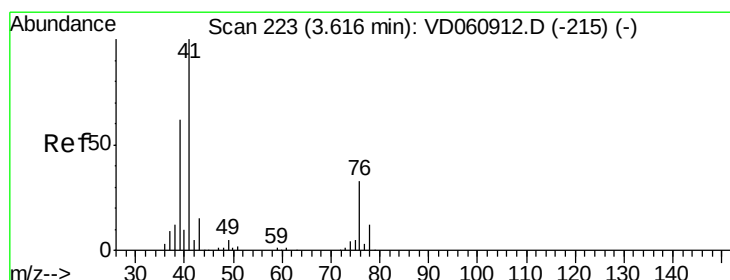
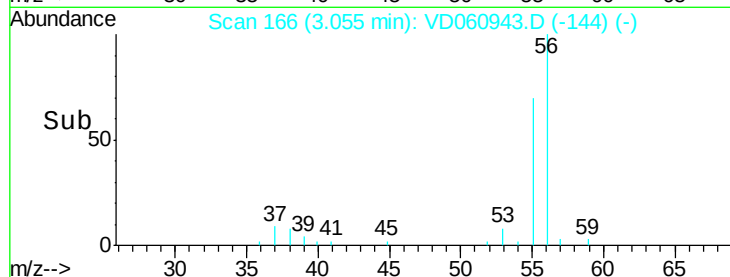
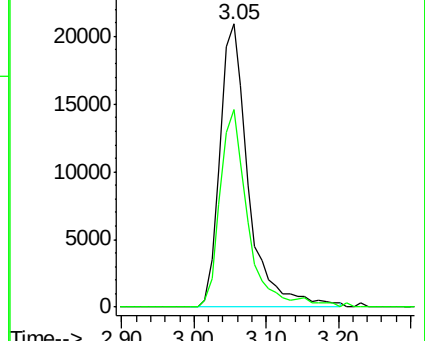
56 100

55 69.6 53.5 80.3



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.989 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

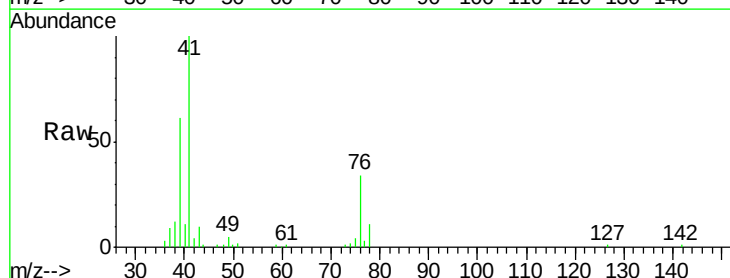
Tgt Ion: 41 Resp: 264852

Ion Ratio Lower Upper

41 100

39 61.2 49.9 74.9

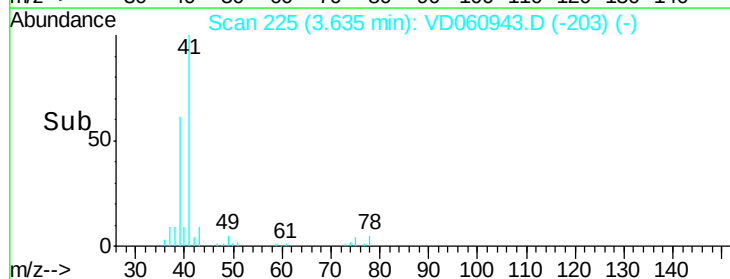
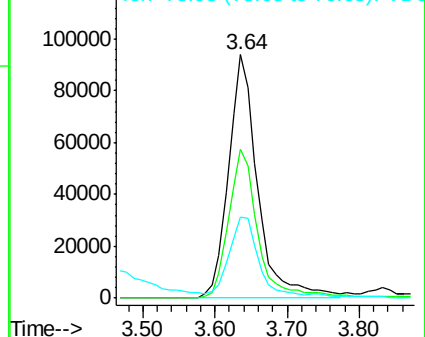
76 33.5 28.6 42.8

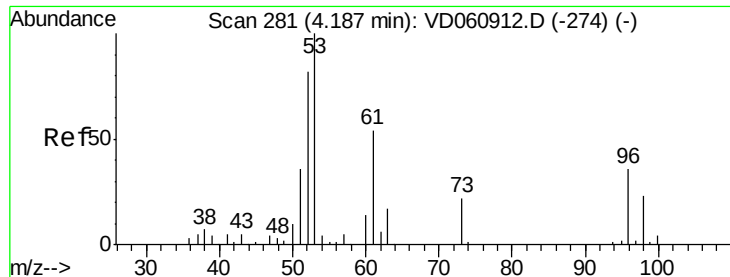


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 85.361 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.03 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

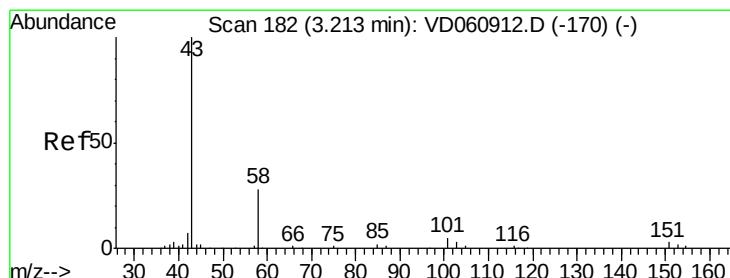
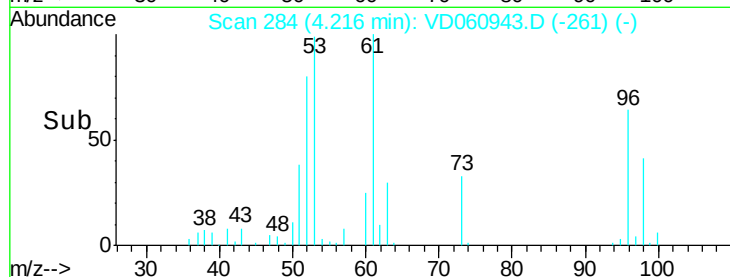
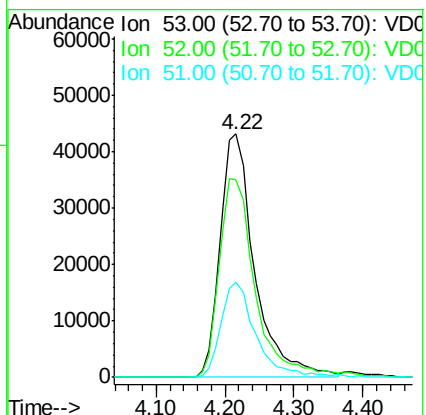
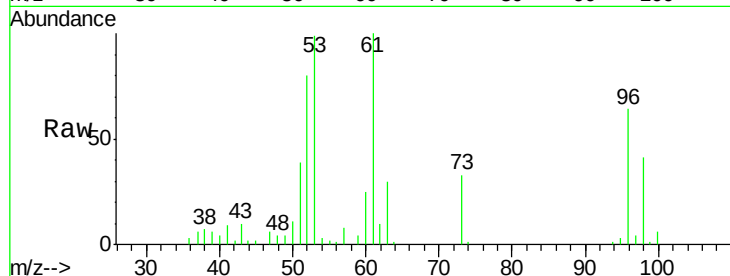
Tot Ion: 53 Resp: 150108

Ion Ratio Lower Upper

53 100

52 81.1 65.8 98.6

51 38.9 28.9 43.3



#16

Acetone

Concen: 97.770 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD060943.D

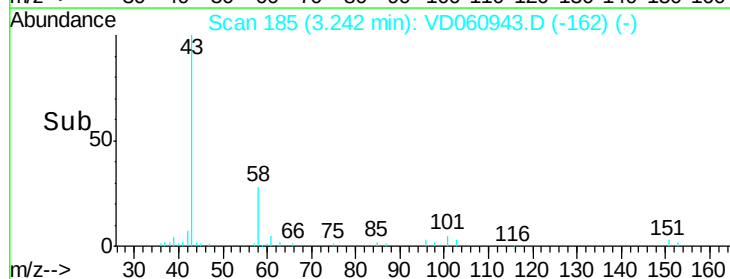
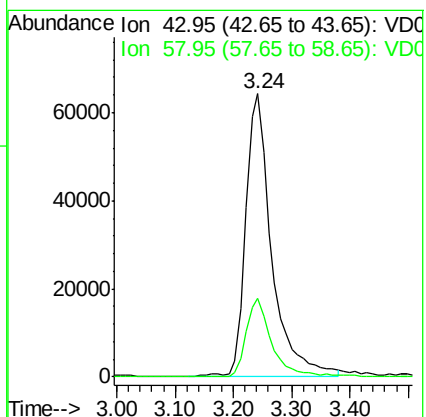
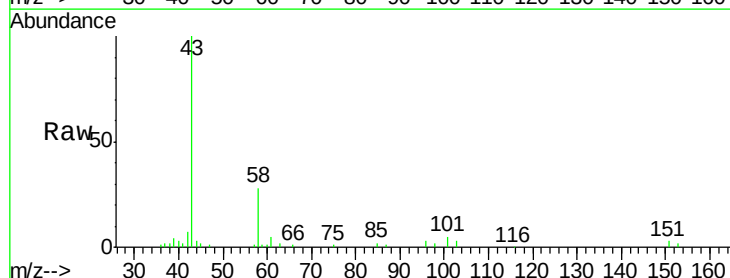
Acq: 5 Mar 2019 12:39

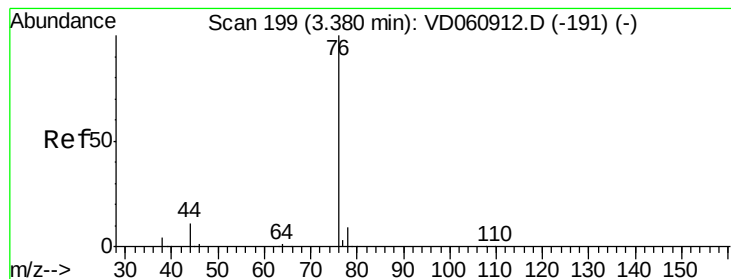
Tgt Ion: 43 Resp: 201157

Ion Ratio Lower Upper

43 100

58 28.0 22.8 34.2





#17

Carbon Disulfide

Concen: 19.092 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

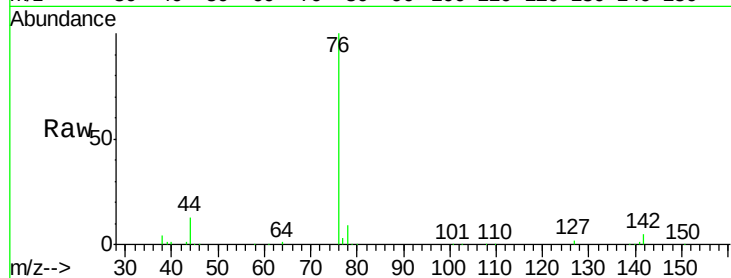
VD0305SBS01

Tot Ion: 76 Resp: 578721

Ion Ratio Lower Upper

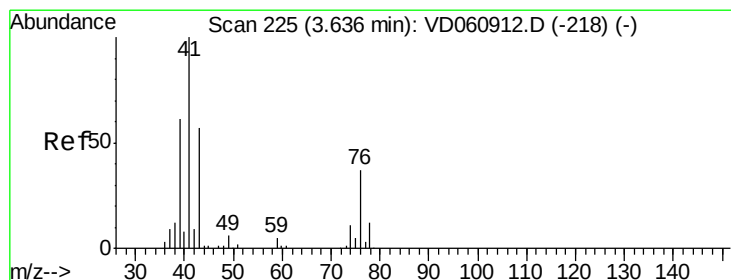
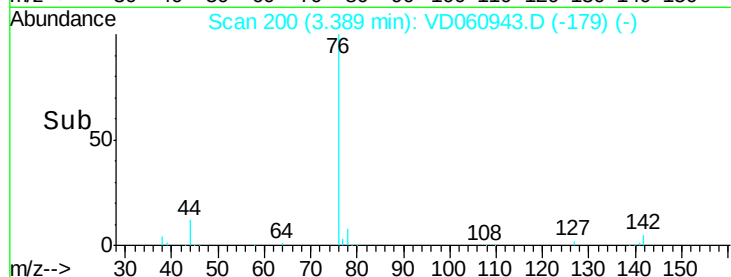
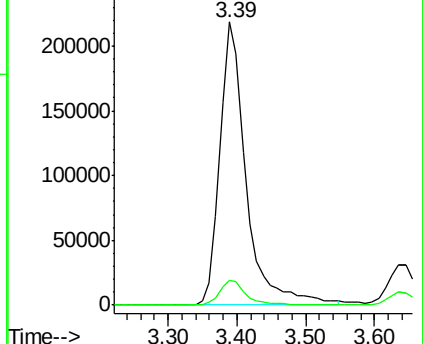
76 100

78 8.7 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 16.794 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD060943.D

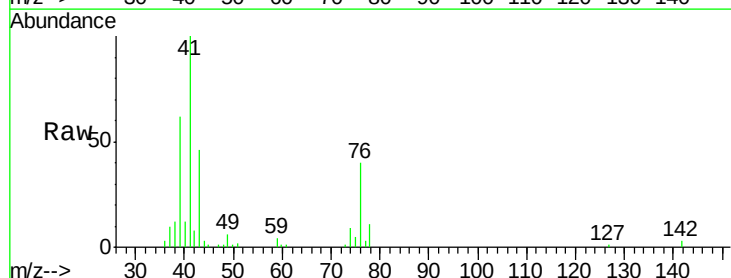
Acq: 5 Mar 2019 12:39

Tgt Ion: 43 Resp: 70751

Ion Ratio Lower Upper

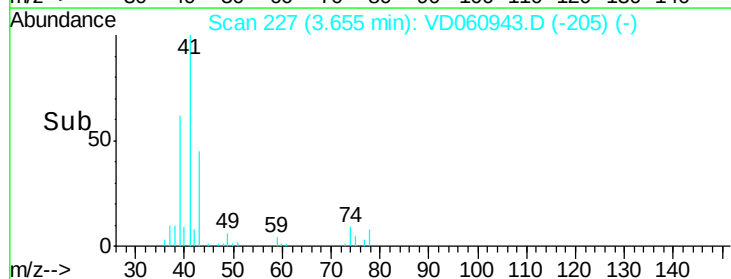
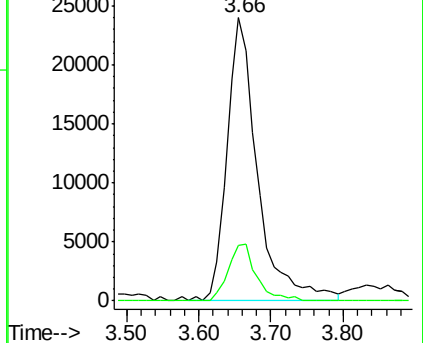
43 100

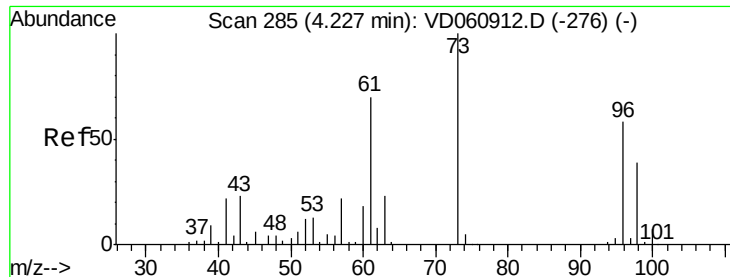
74 19.6 16.1 24.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

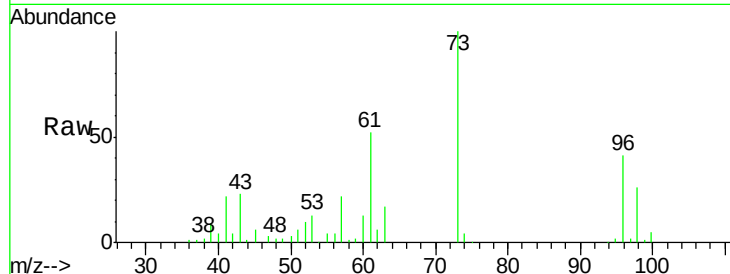




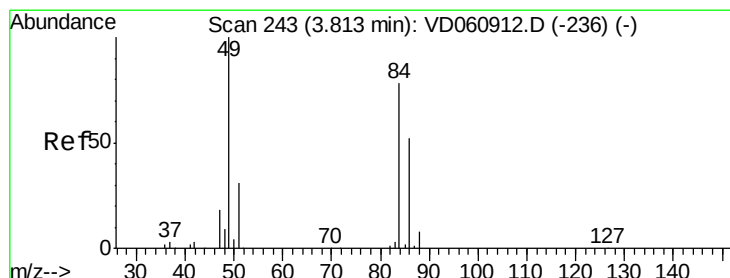
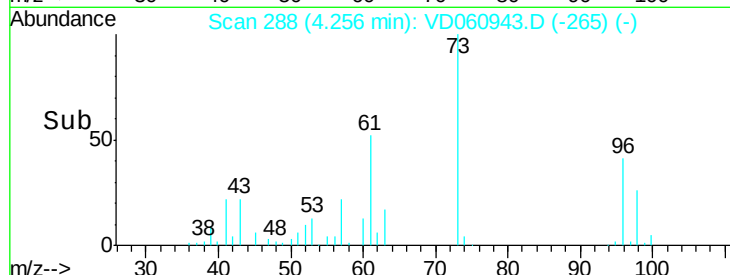
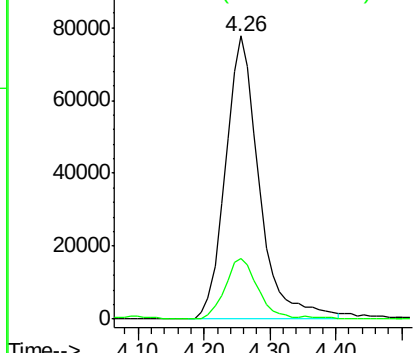
#19
Methyl tert-butyl Ether
Concen: 18.547 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 73 Resp: 278969
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.6

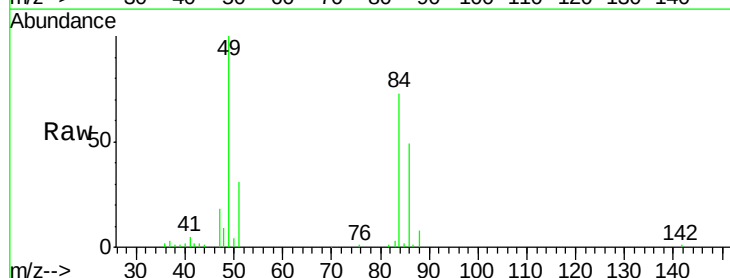


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

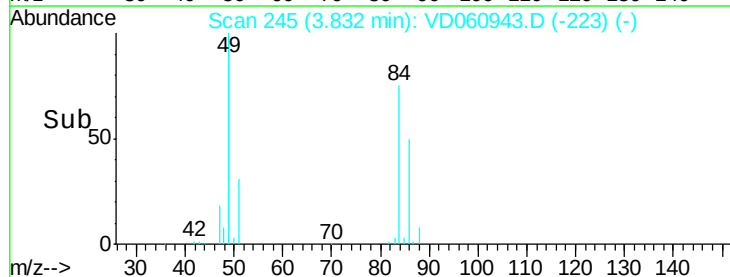
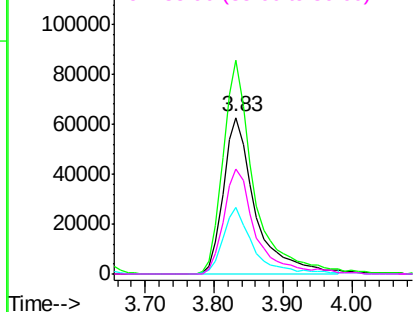


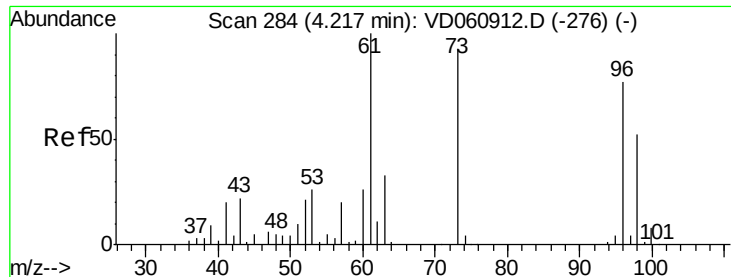
#20
Methylene Chloride
Concen: 18.241 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion: 84 Resp: 200655
Ion Ratio Lower Upper
84 100
49 136.5 102.4 153.6
51 42.3 31.9 47.9
86 67.2 53.1 79.7



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: 18.730 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

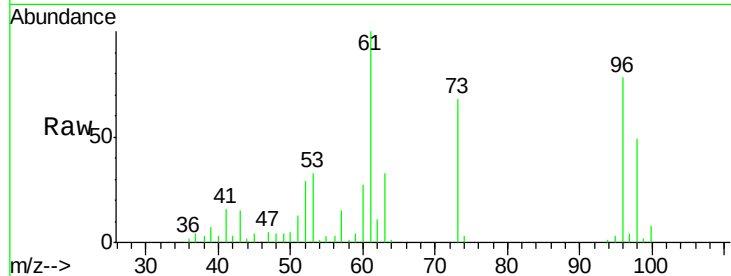
Tot Ion: 96 Resp: 174361

Ion Ratio Lower Upper

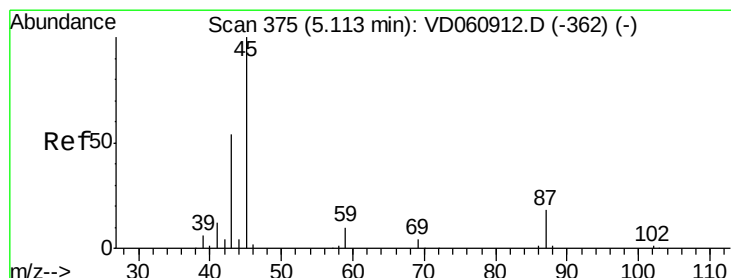
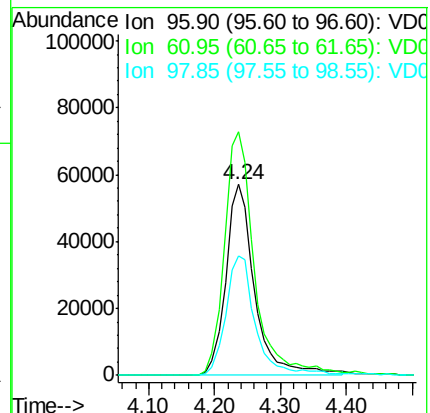
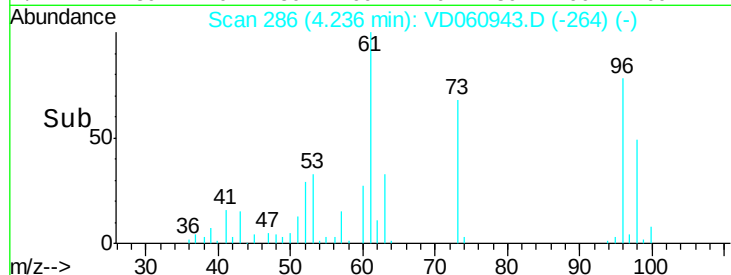
96 100

61 127.6 103.4 155.2

98 62.5 53.6 80.4



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: 18.294 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Tgt Ion: 45 Resp: 541783

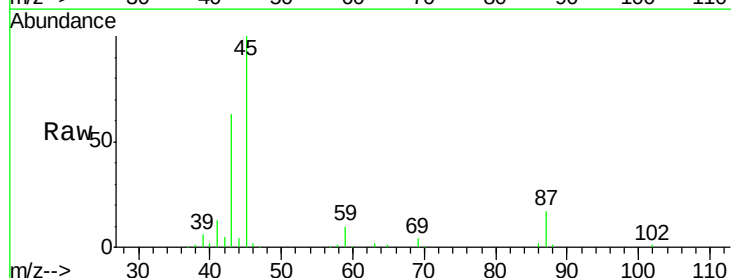
Ion Ratio Lower Upper

45 100

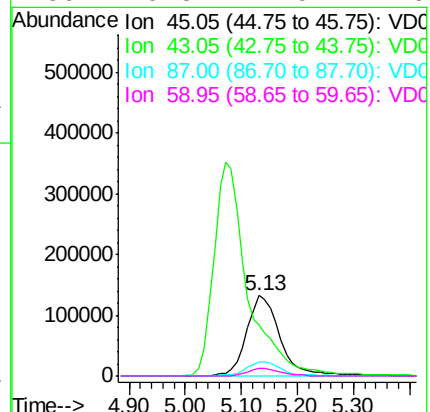
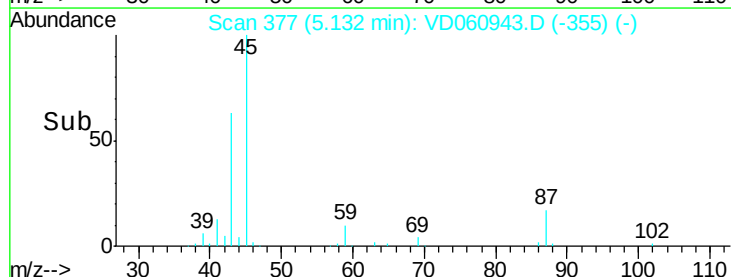
43 63.0 44.4 66.6

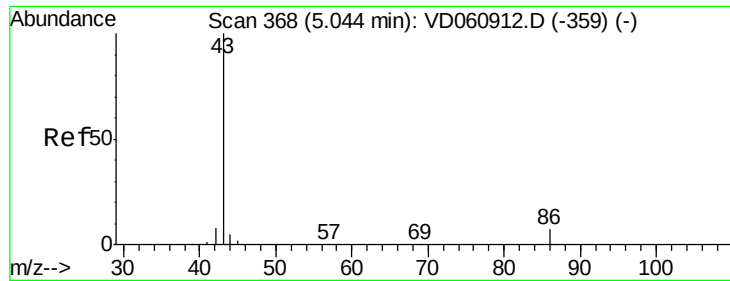
87 17.3 14.7 22.1

59 9.8 7.9 11.9



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





#23

Vinyl Acetate

Concen: 93.885 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.03 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

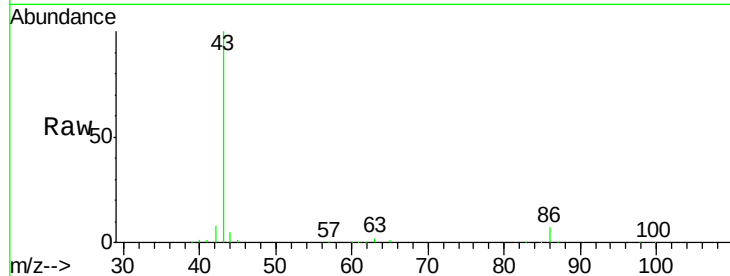
VD0305SBS01

Tot Ion: 43 Resp: 1460172

Ion Ratio Lower Upper

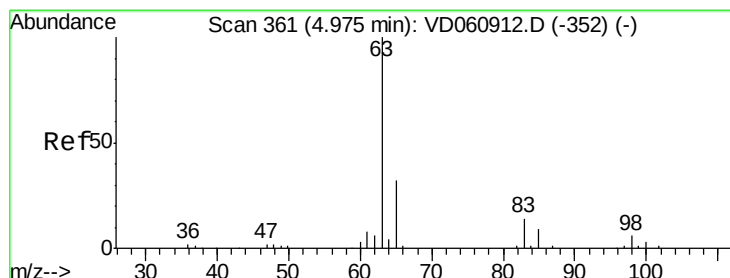
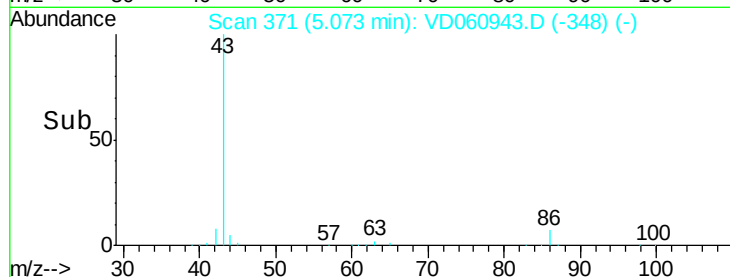
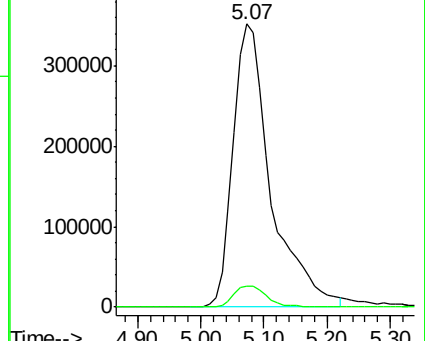
43 100

86 7.5 5.8 8.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.116 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.03 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

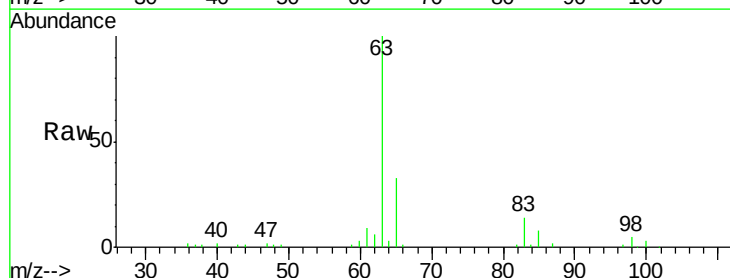
Tgt Ion: 63 Resp: 286151

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.8

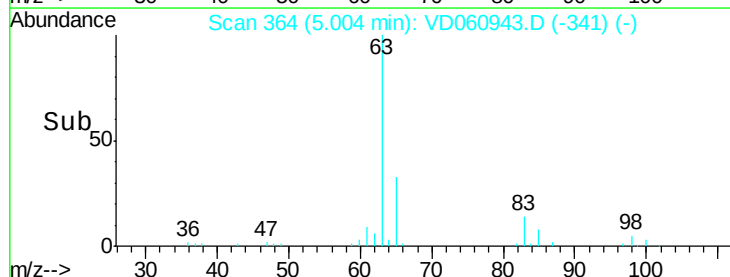
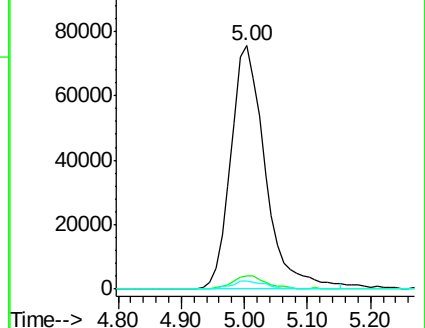
100 3.4 1.7 5.1

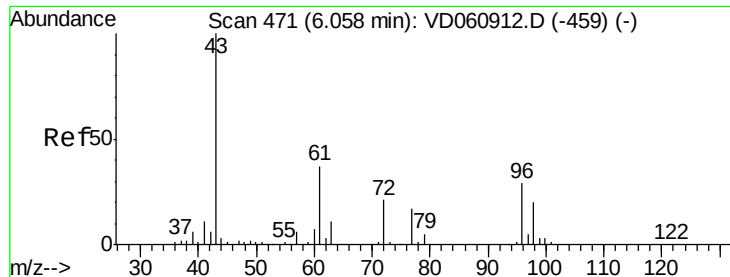


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 93.518 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

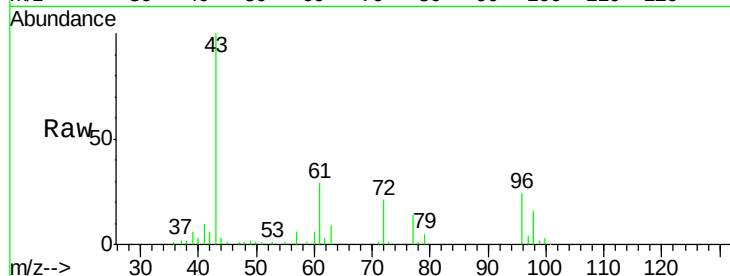
VD0305SBS01

Tot Ion: 43 Resp: 238683

Ion Ratio Lower Upper

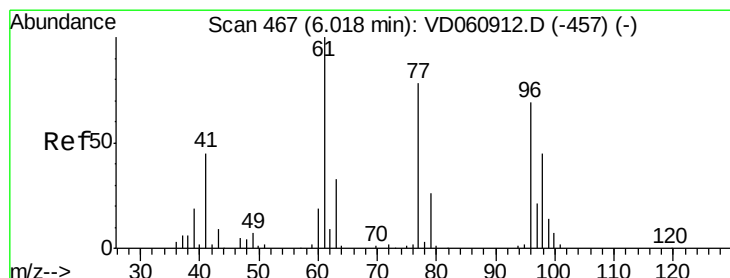
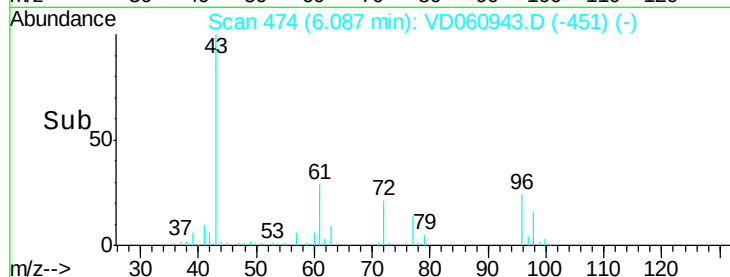
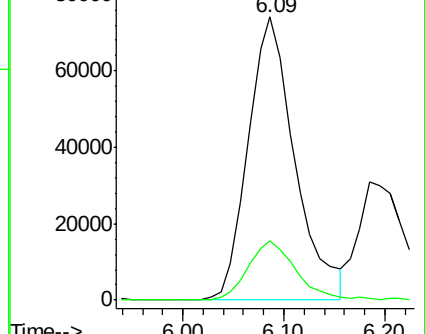
43 100

72 21.2 17.0 25.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.548 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD060943.D

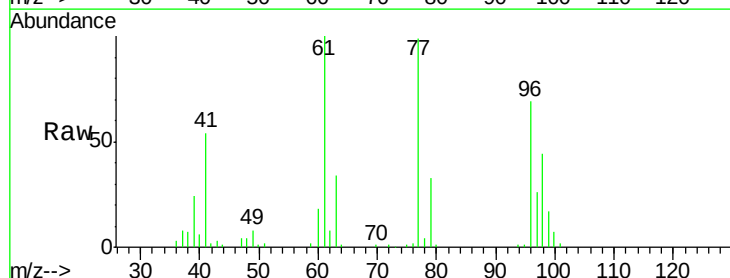
Acq: 5 Mar 2019 12:39

Tgt Ion: 77 Resp: 241110

Ion Ratio Lower Upper

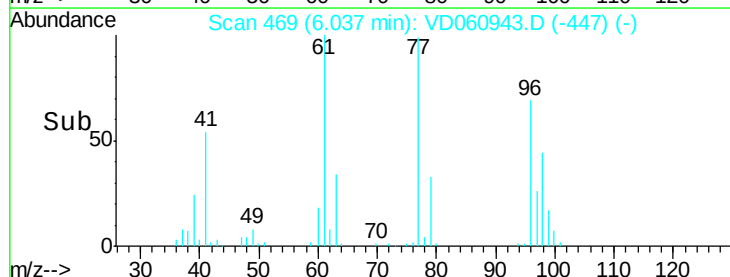
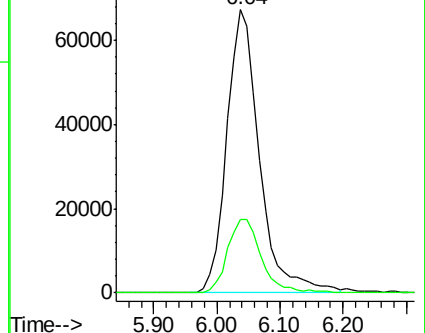
77 100

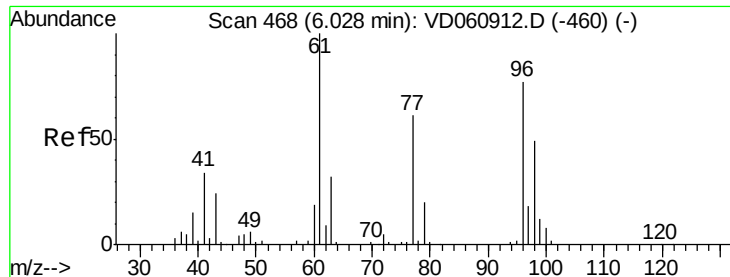
97 25.8 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



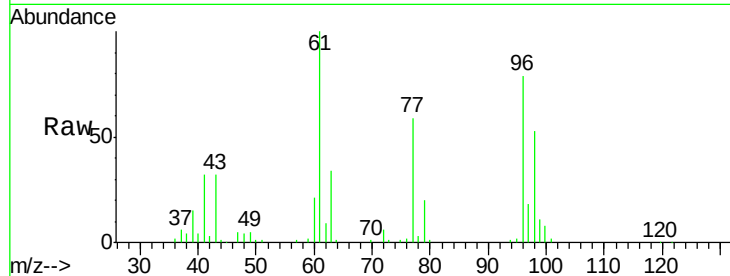


#27

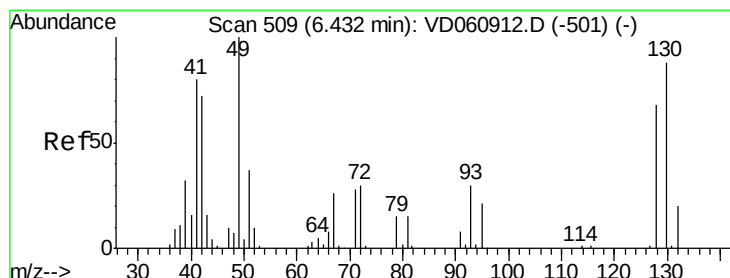
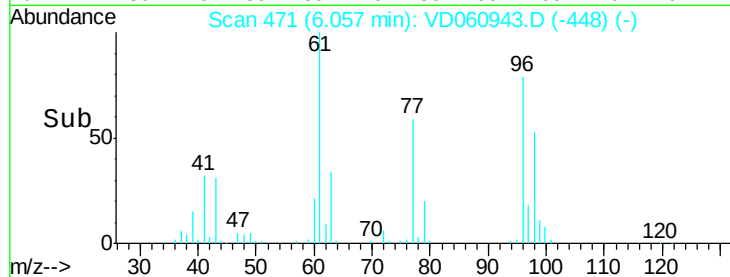
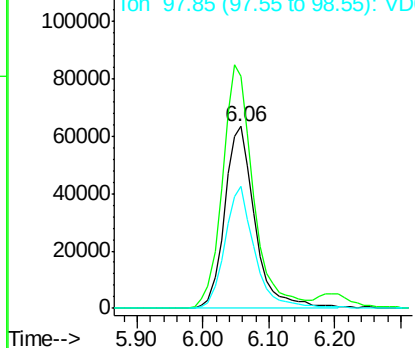
cis-1,2-Dichloroethene
Concen: 19.322 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 96 Resp: 203949
Ion Ratio Lower Upper
96 100
61 127.2 0.0 258.8
98 67.1 0.0 126.4



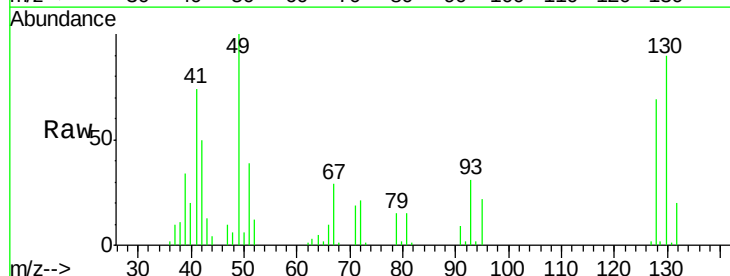
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



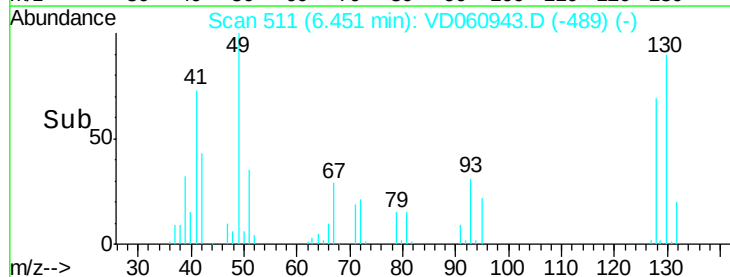
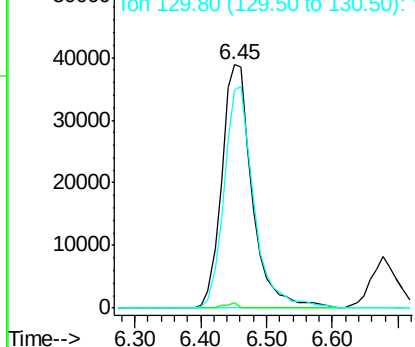
#28

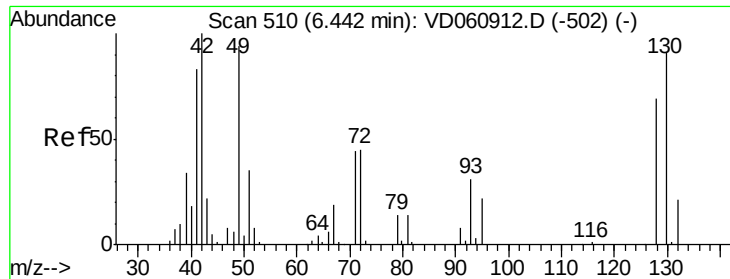
Bromochloromethane
Concen: 18.956 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion: 49 Resp: 125764
Ion Ratio Lower Upper
49 100
129 2.1 0.0 0.0#
130 89.6 70.4 105.6



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

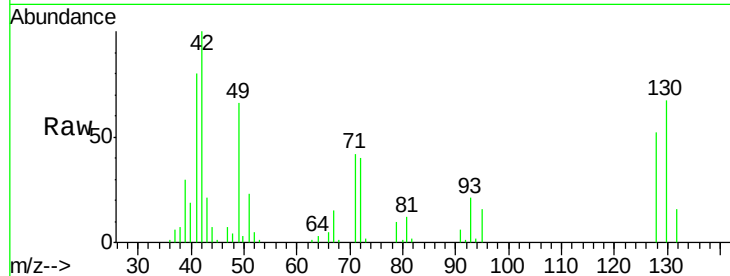




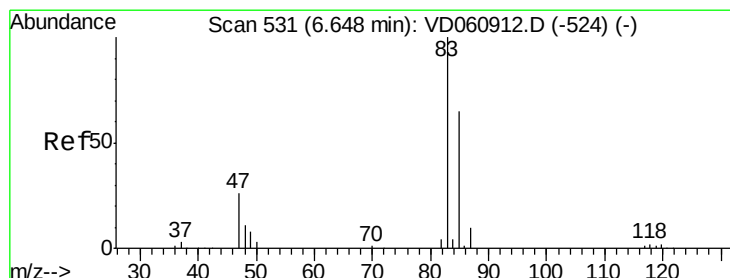
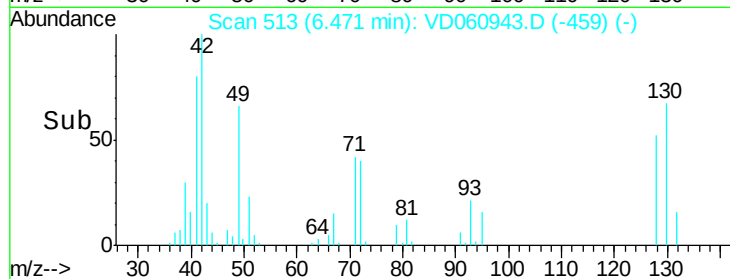
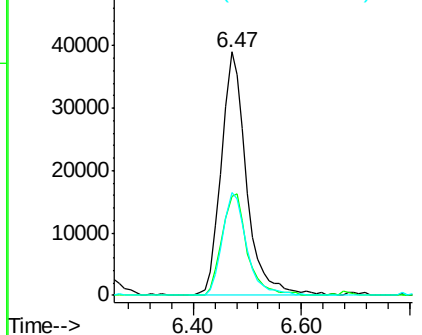
#29
Tetrahydrofuran
Concen: 95.809 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion: 42 Resp: 125868
Ion Ratio Lower Upper
42 100
72 41.9 33.8 50.6
71 40.6 33.5 50.3

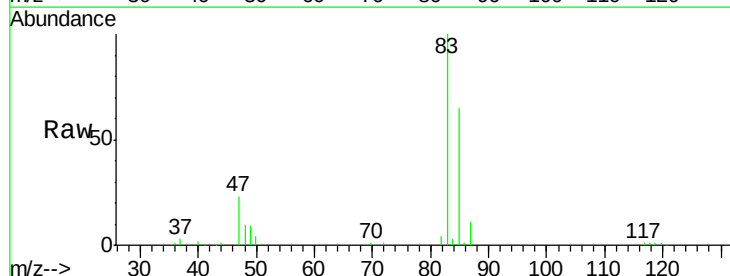


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

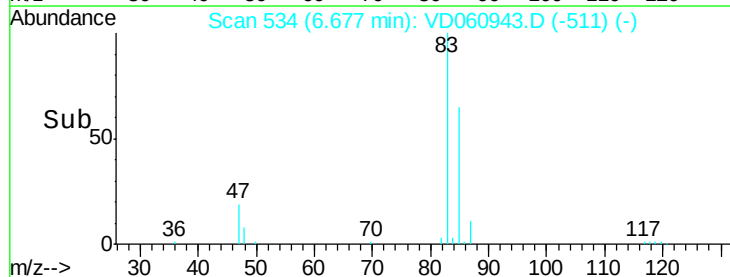
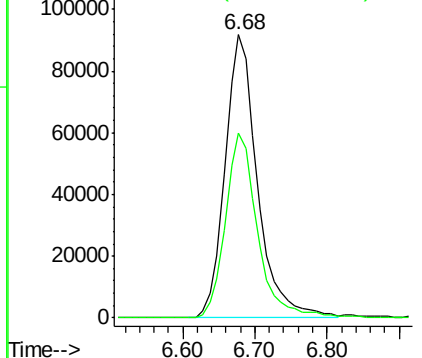


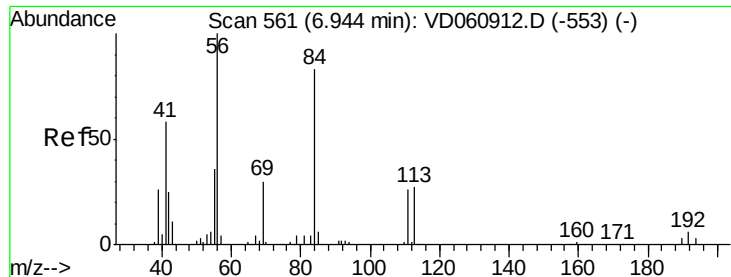
#30
Chloroform
Concen: 18.659 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion: 83 Resp: 285838
Ion Ratio Lower Upper
83 100
85 65.3 51.7 77.5



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





#31

Cyclohexane

Concen: 19.225 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.03 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

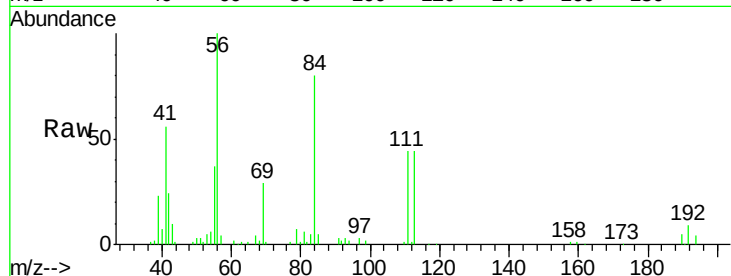
Tot Ion: 56 Resp: 261536

Ion Ratio Lower Upper

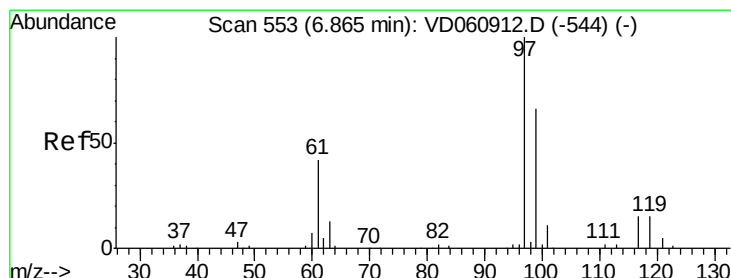
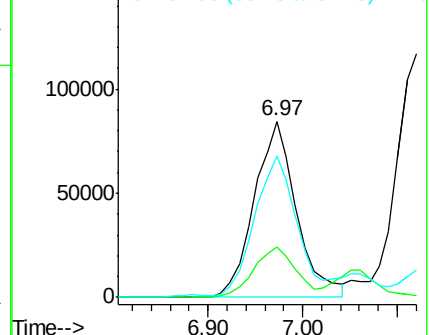
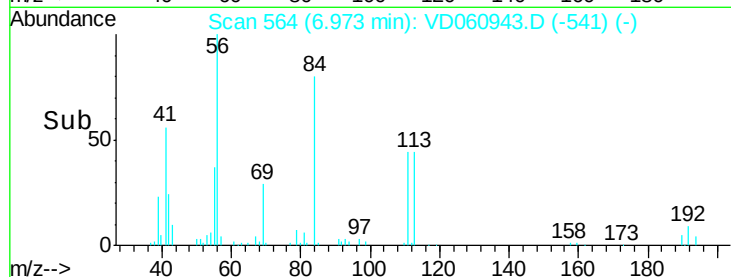
56 100

69 28.6 23.6 35.4

84 80.4 66.5 99.7



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



#32

1,1,1-Trichloroethane

Concen: 19.627 ug/l

RT: 6.88 min Scan# 555

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

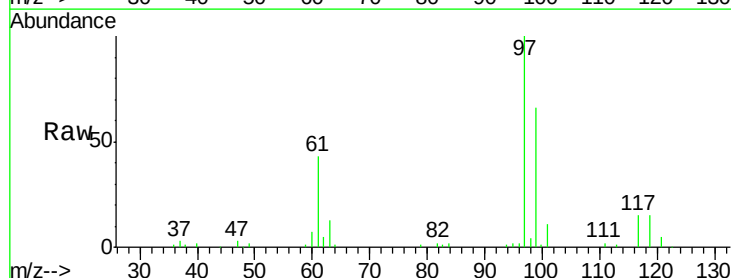
Tgt Ion: 97 Resp: 257462

Ion Ratio Lower Upper

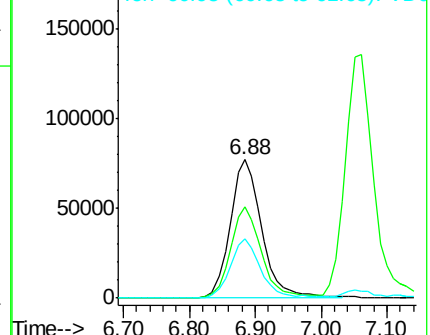
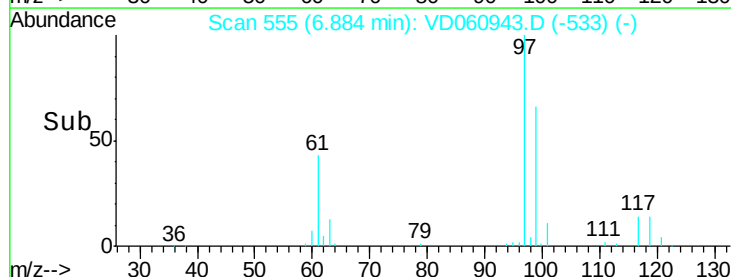
97 100

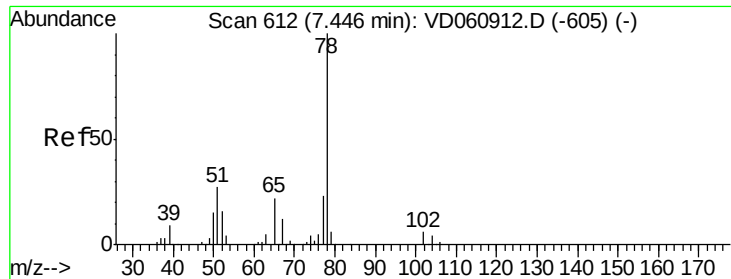
99 66.3 52.8 79.2

61 42.9 33.3 49.9



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

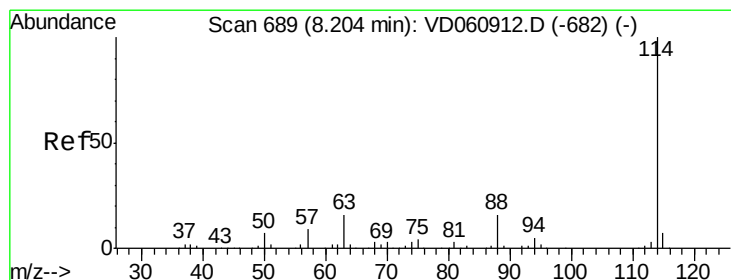
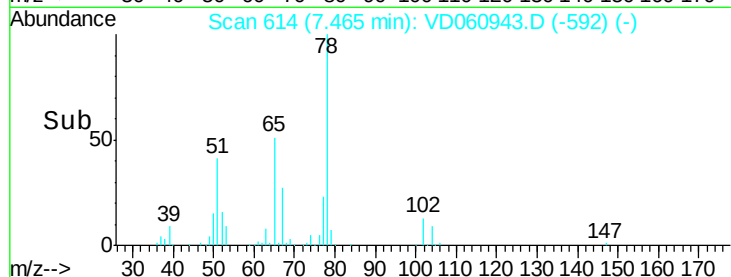
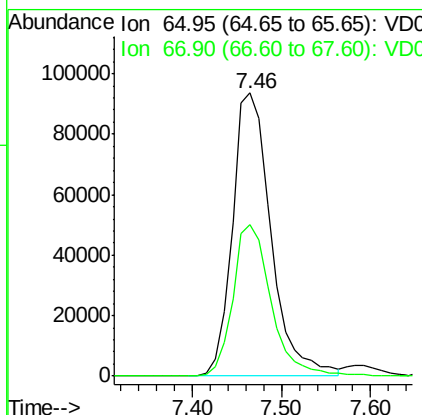
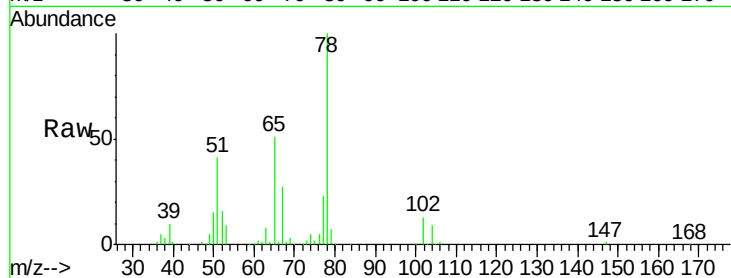




#33
 1,2-Dichloroethane-d4
 Concen: 19.627 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

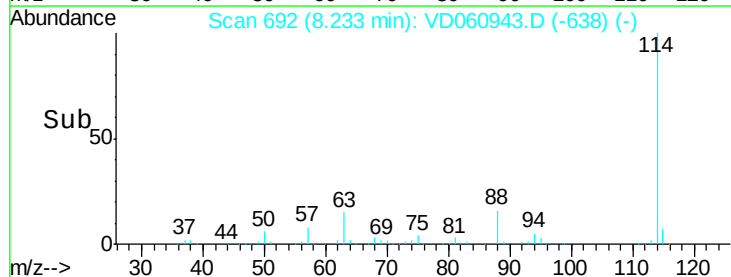
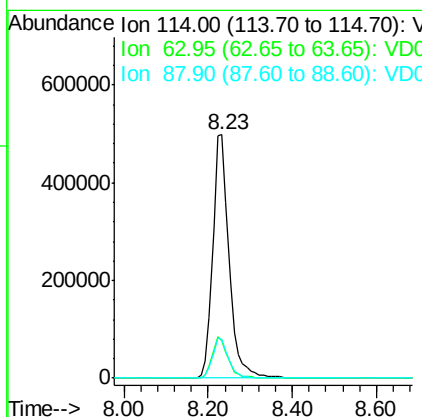
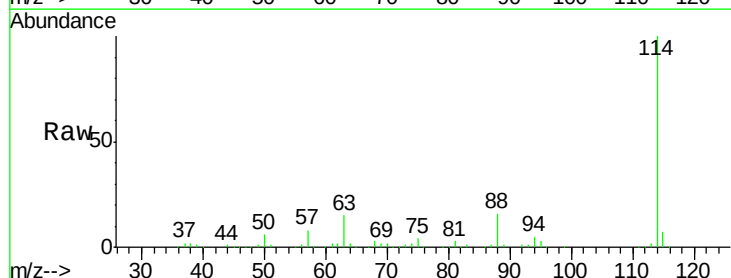
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

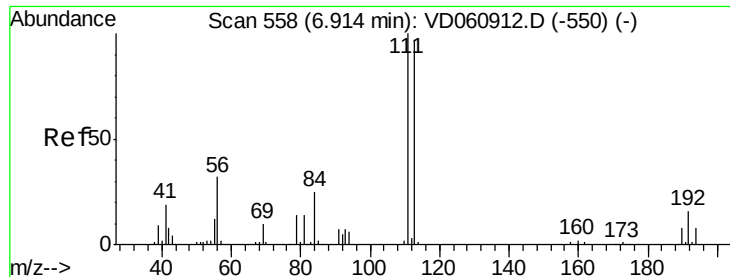
Tot Ion: 65 Resp: 282238
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion: 114 Resp: 1345317
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 32.0
 88 16.2 0.0 32.8

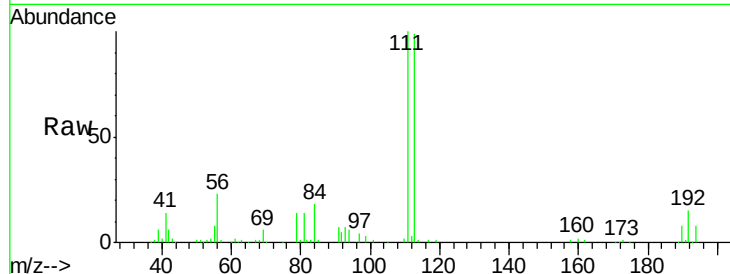




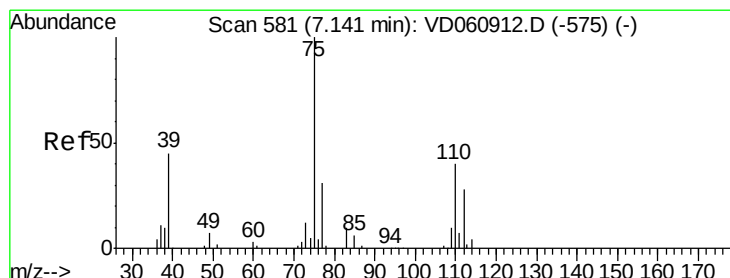
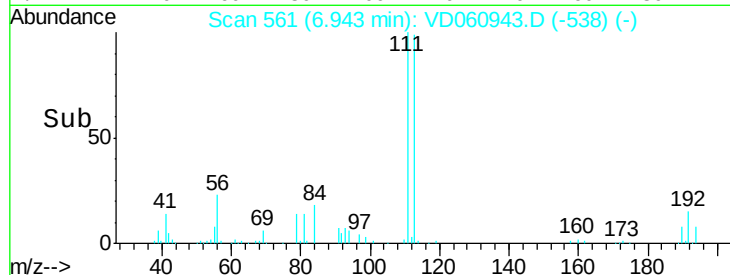
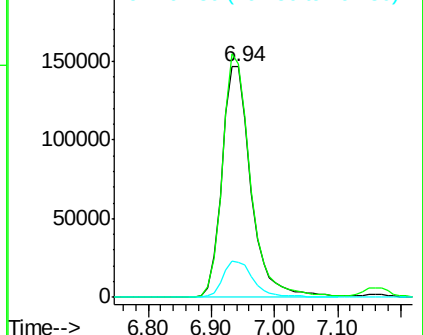
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion:113 Resp: 469917
Ion Ratio Lower Upper
113 100
111 101.3 82.6 124.0
192 15.3 13.4 20.2

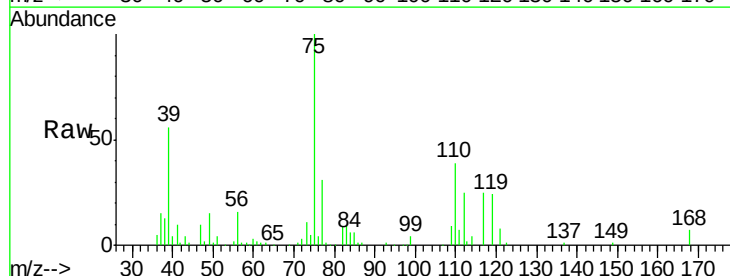


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

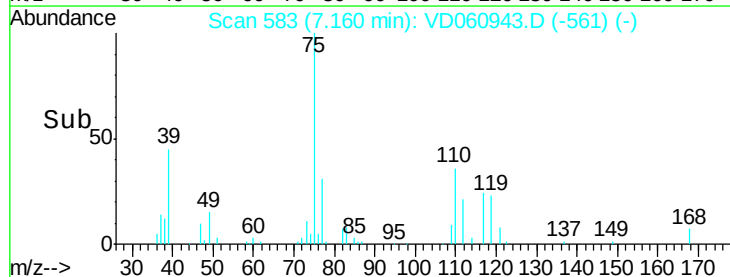
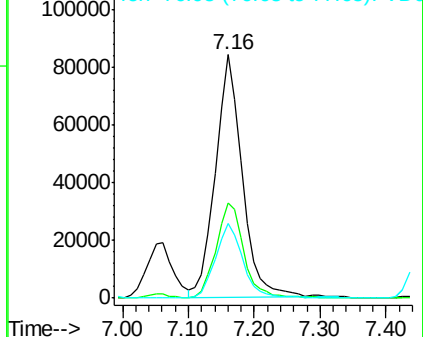


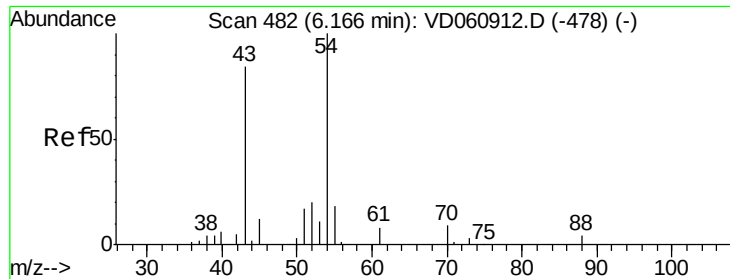
#36
1,1-Dichloropropene
Concen: 19.182 ug/l
RT: 7.16 min Scan# 583
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion: 75 Resp: 237270
Ion Ratio Lower Upper
75 100
110 39.2 19.9 59.7
77 30.5 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

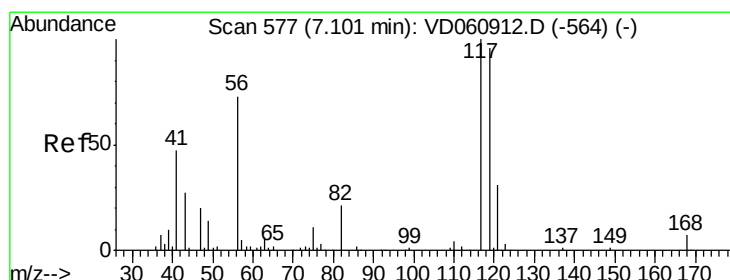
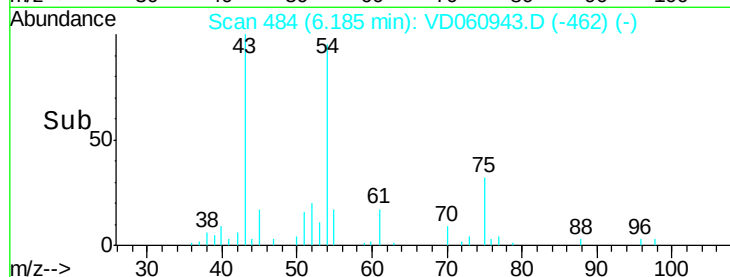
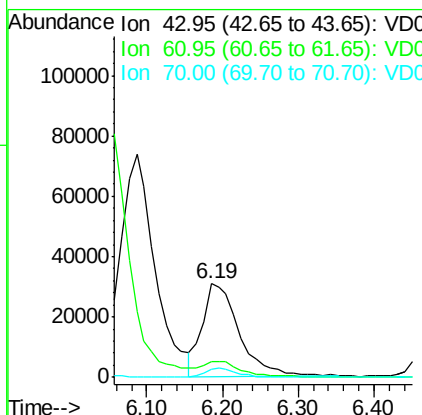
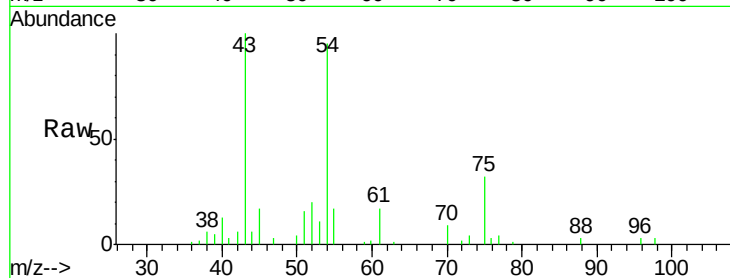




#37
Ethyl Acetate
Concen: 16.304 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

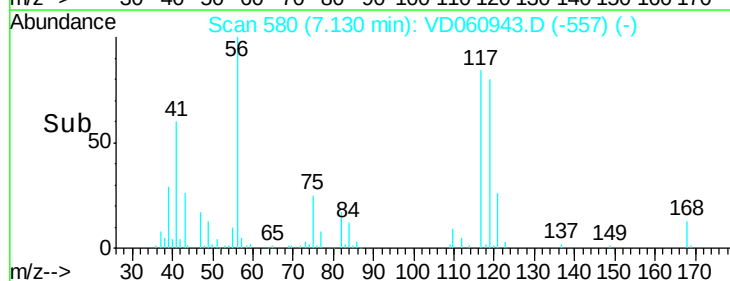
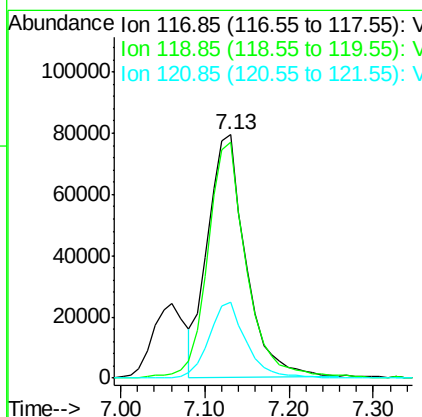
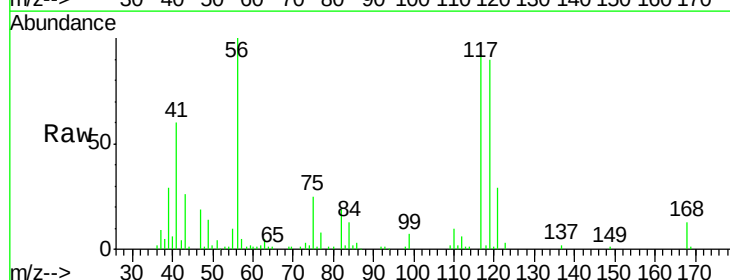
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

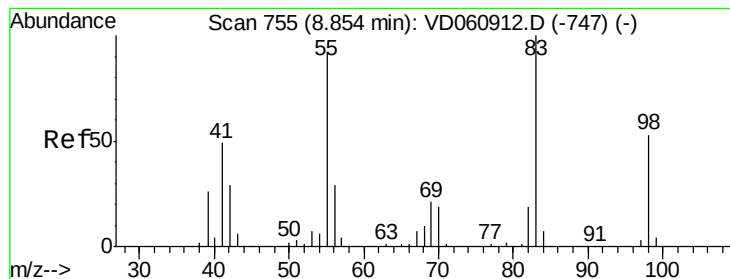
Tot Ion: 43 Resp: 103669
Ion Ratio Lower Upper
43 100
61 16.5 12.1 18.1
70 9.1 7.3 10.9



#38
Carbon Tetrachloride
Concen: 18.691 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion: 117 Resp: 248388
Ion Ratio Lower Upper
117 100
119 96.9 76.9 115.3
121 31.1 24.5 36.7





#39

Methylvlcyclohexane

Concen: 19.749 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

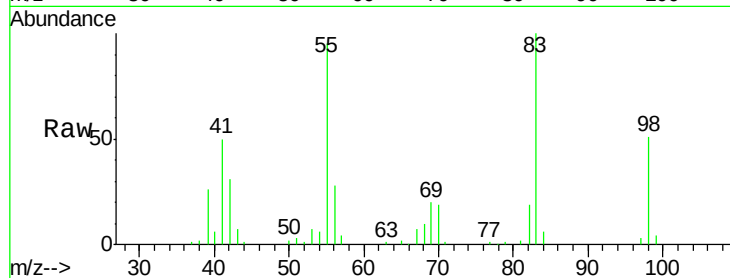
Tot Ion: 83 Resp: 267025

Ion Ratio Lower Upper

83 100

55 94.9 73.8 110.8

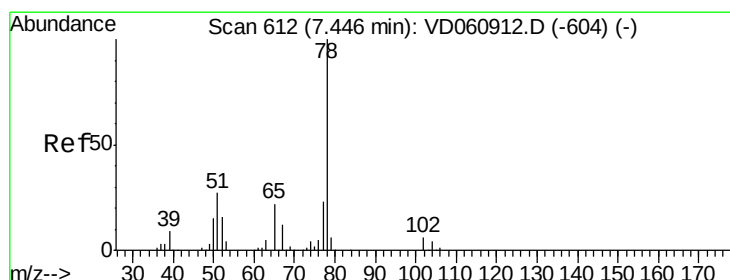
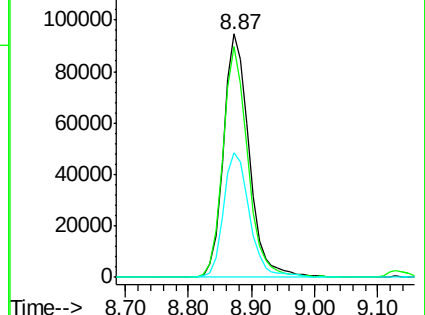
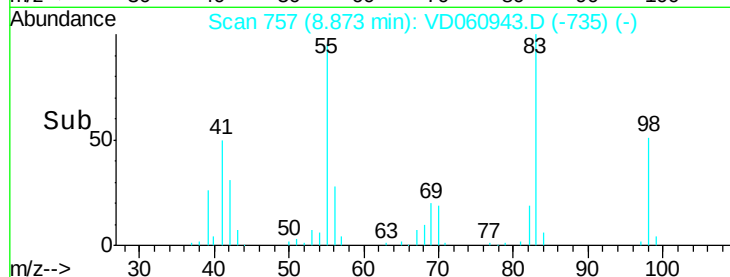
98 51.4 42.4 63.6



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: 18.131 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060943.D

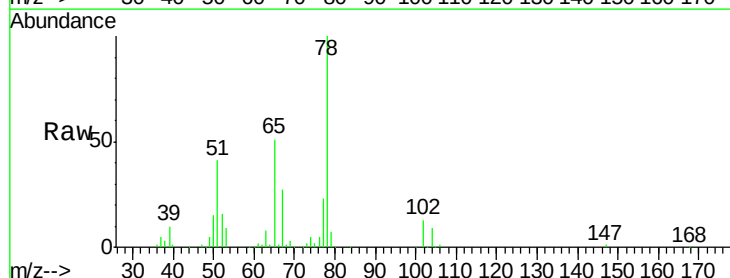
Acq: 5 Mar 2019 12:39

Tgt Ion: 78 Resp: 571146

Ion Ratio Lower Upper

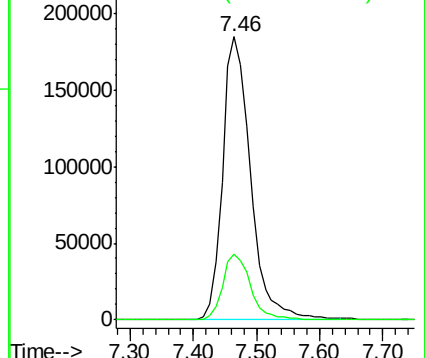
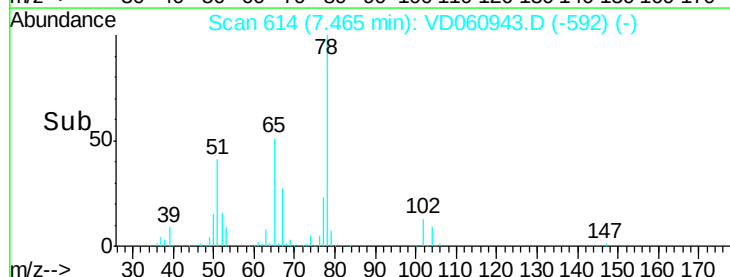
78 100

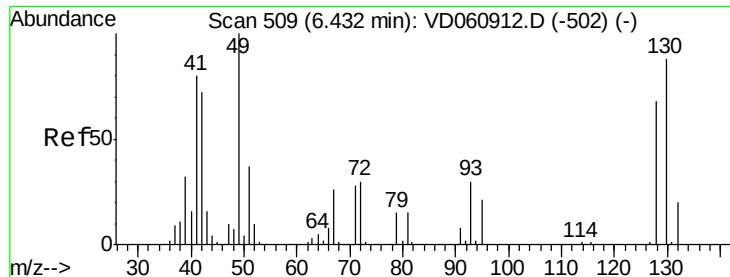
77 23.1 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 33.349 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.04 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 41 Resp: 132477

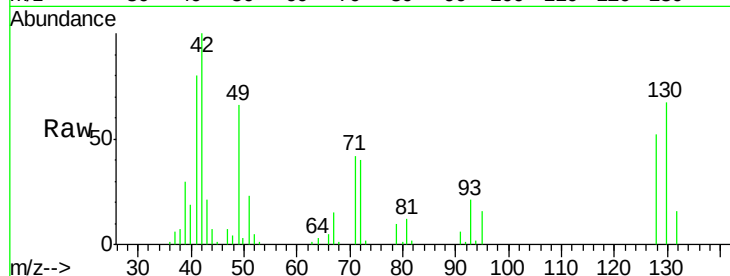
Ion Ratio Lower Upper

41 100

39 38.3 32.1 48.1

67 19.3 25.6 38.4#

52 6.9 9.7 14.5#

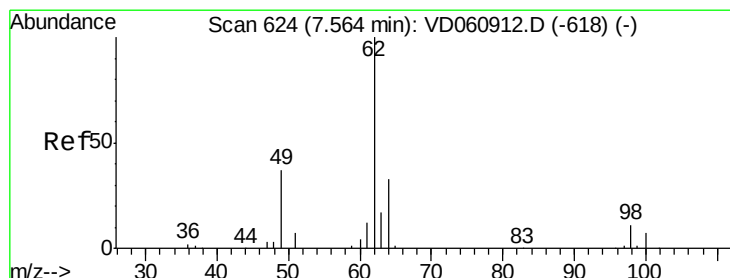
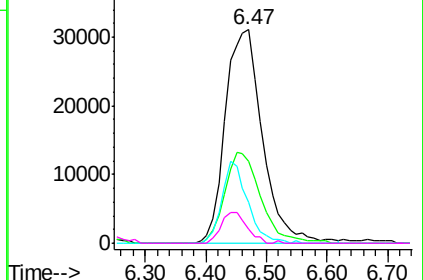
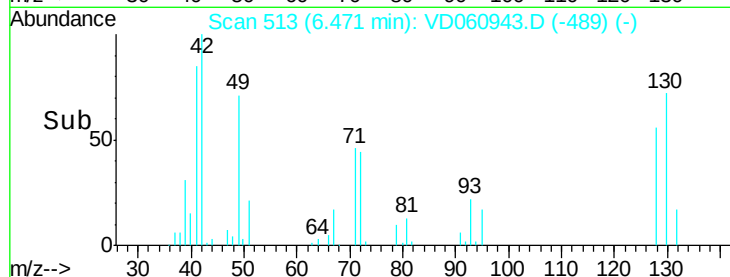


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.165 ug/l

RT: 7.59 min Scan# 627

Delta R.T. 0.03 min

Lab File: VD060943.D

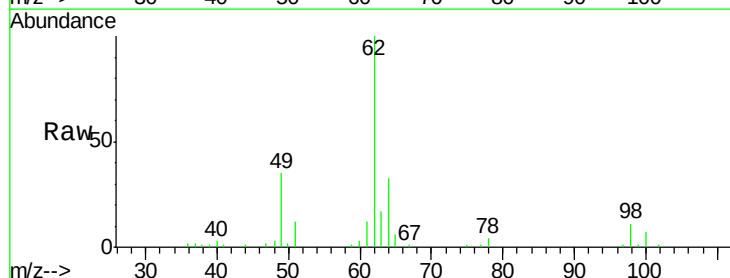
Acq: 5 Mar 2019 12:39

Tgt Ion: 62 Resp: 169867

Ion Ratio Lower Upper

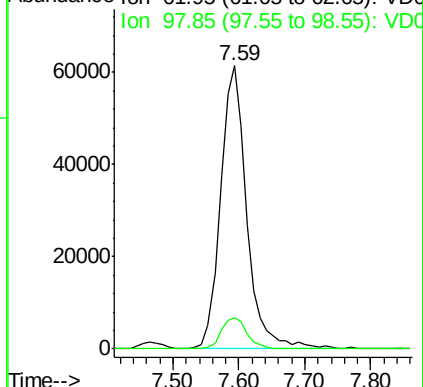
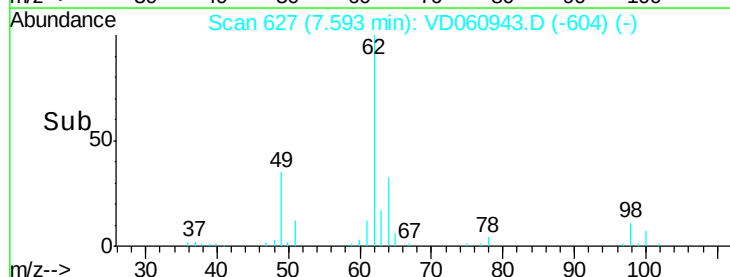
62 100

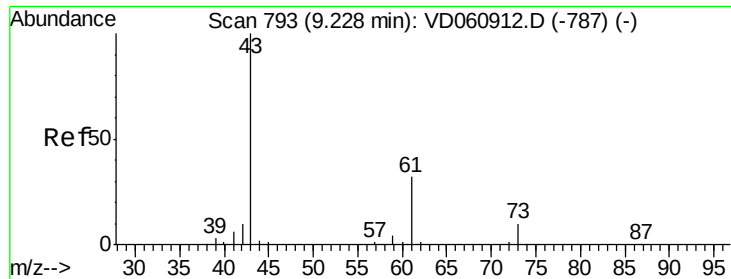
98 10.8 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.242 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

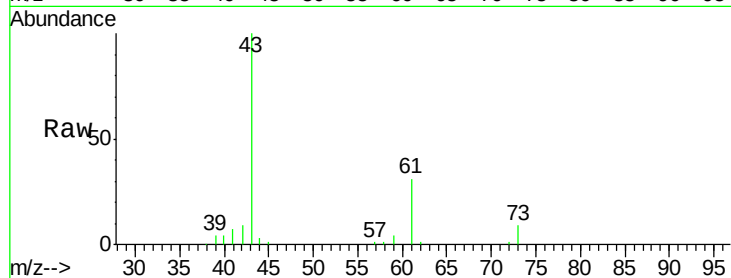
Tot Ion: 43 Resp: 161730

Ion Ratio Lower Upper

43 100

61 31.0 25.6 38.4

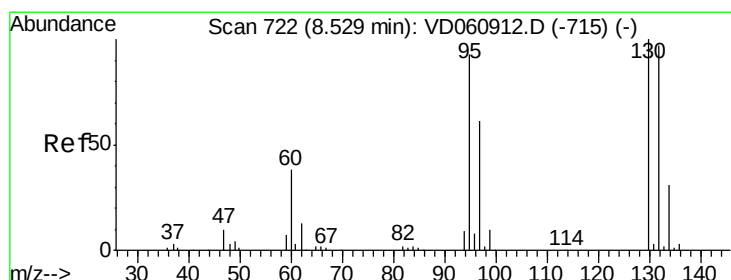
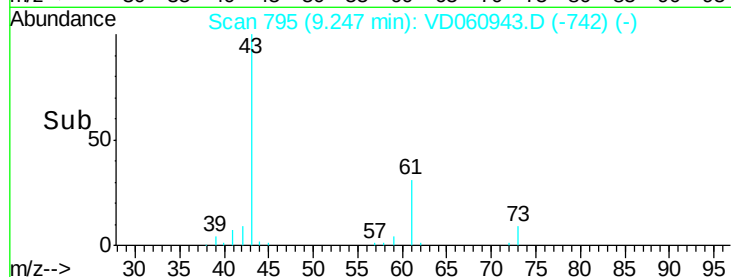
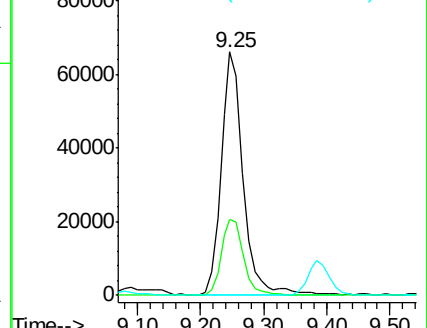
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.385 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.02 min

Lab File: VD060943.D

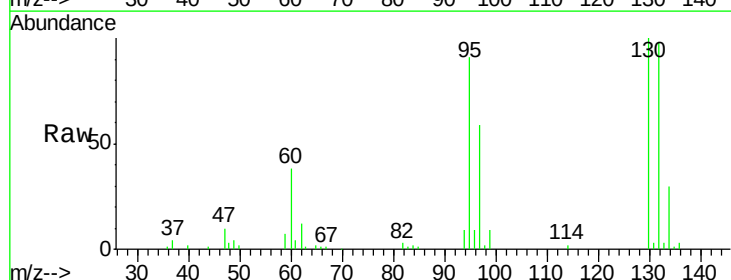
Acq: 5 Mar 2019 12:39

Tgt Ion: 130 Resp: 209127

Ion Ratio Lower Upper

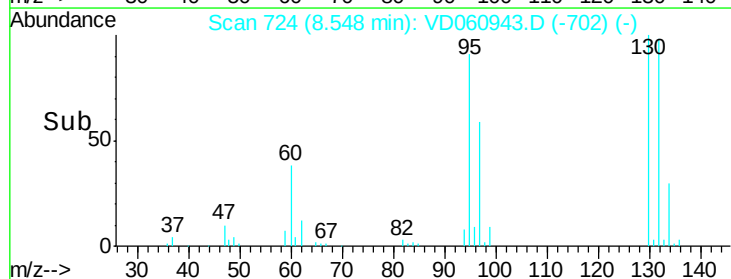
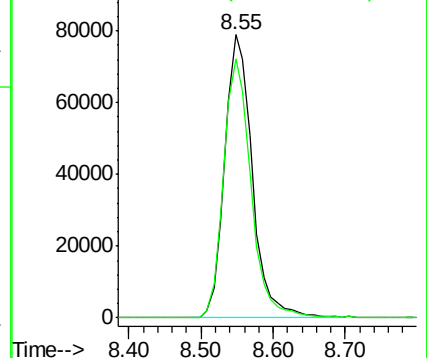
130 100

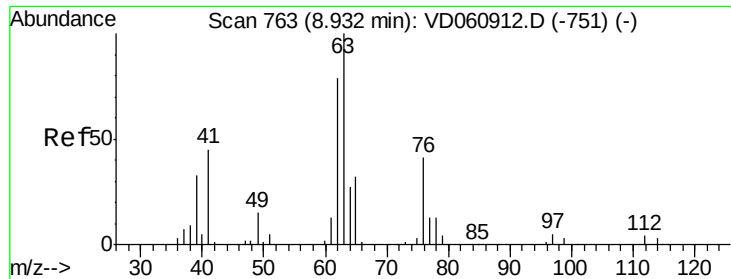
95 91.5 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.964 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

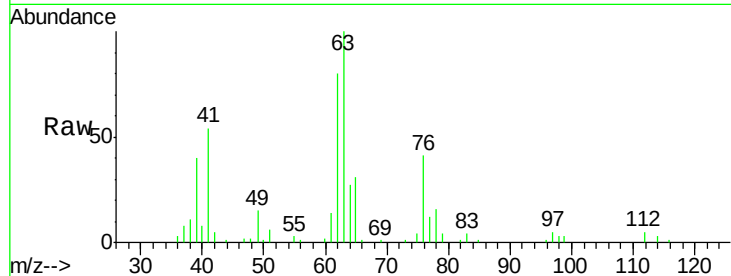
VD0305SBS01

Tot Ion: 63 Resp: 158157

Ion Ratio Lower Upper

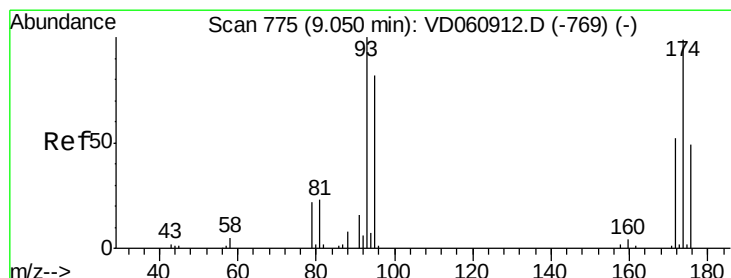
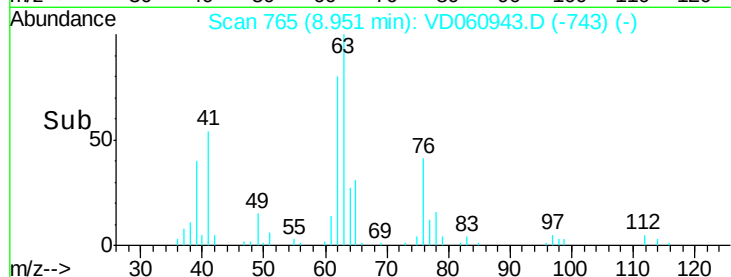
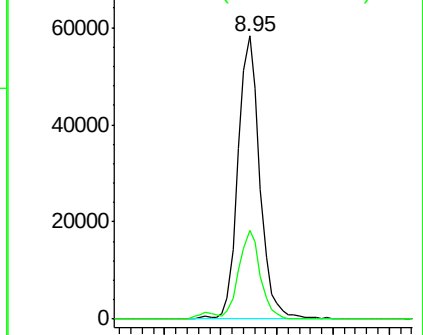
63 100

65 31.5 25.8 38.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.607 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

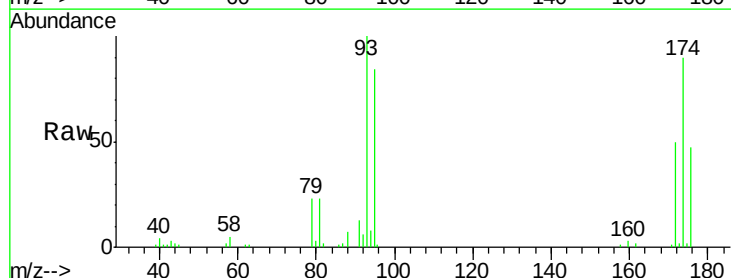
Tgt Ion: 93 Resp: 100092

Ion Ratio Lower Upper

93 100

95 83.7 65.8 98.6

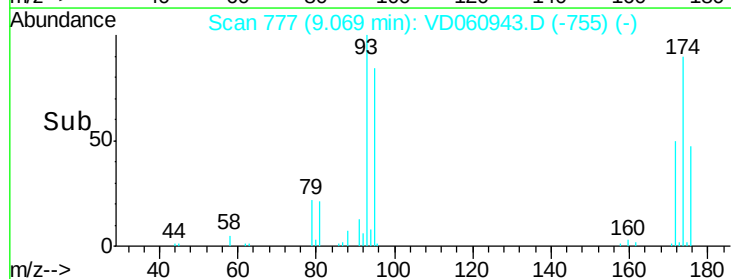
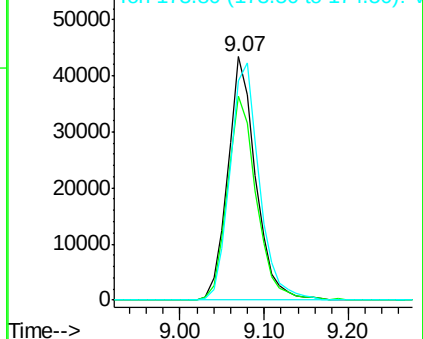
174 89.9 79.5 119.3

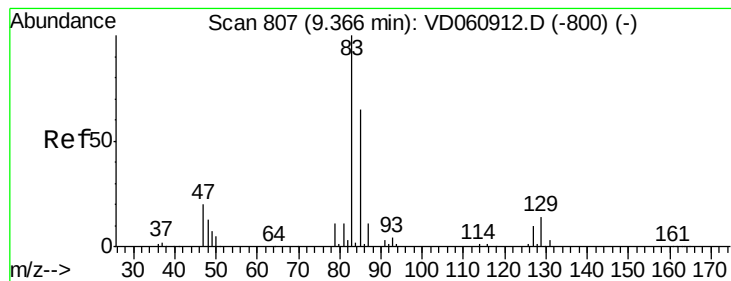


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.987 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

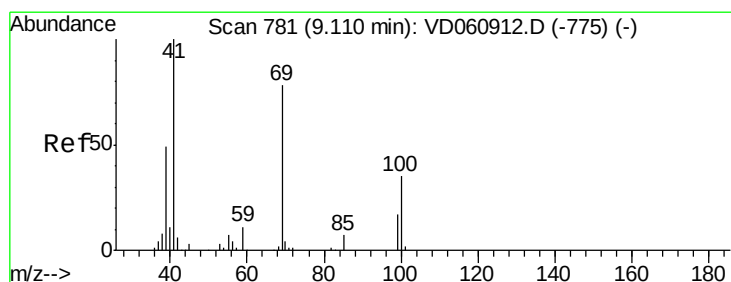
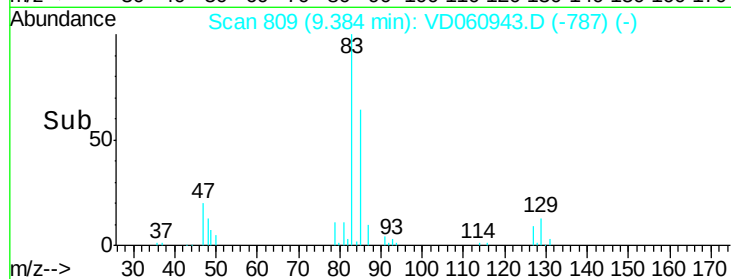
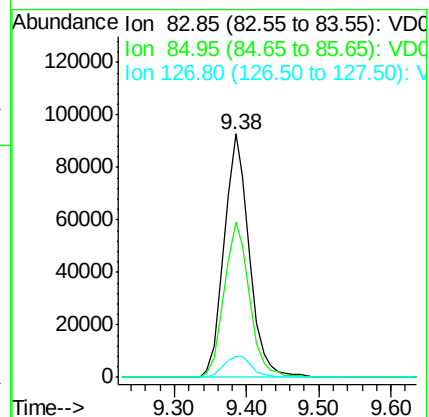
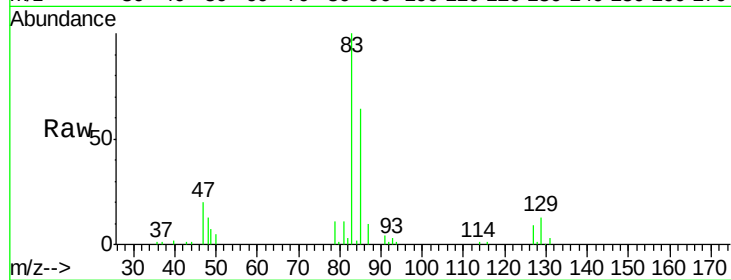
Tot Ion: 83 Resp: 222785

Ion Ratio Lower Upper

83 100

85 63.9 52.2 78.4

127 8.8 8.2 12.4



#48

Methyl methacrylate

Concen: 18.038 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

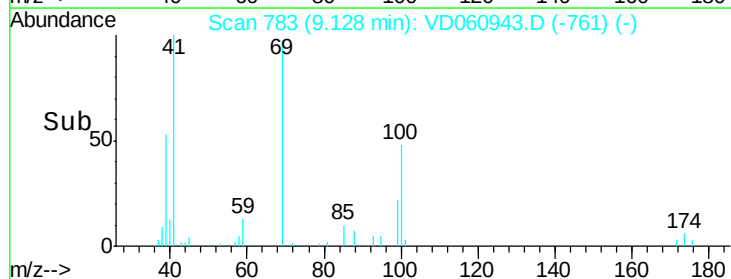
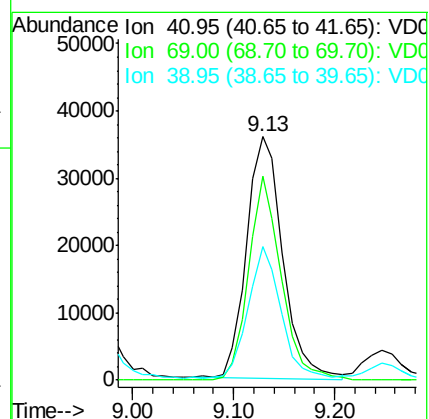
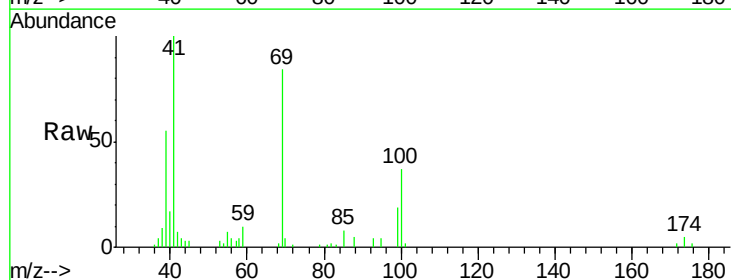
Tgt Ion: 41 Resp: 89846

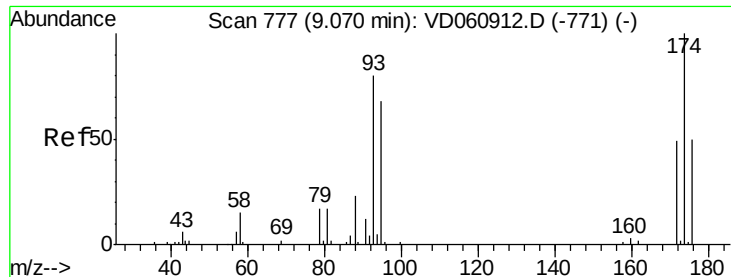
Ion Ratio Lower Upper

41 100

69 84.0 62.1 93.1

39 54.6 39.5 59.3





#49

1,4-Dioxane

Concen: 359.506 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

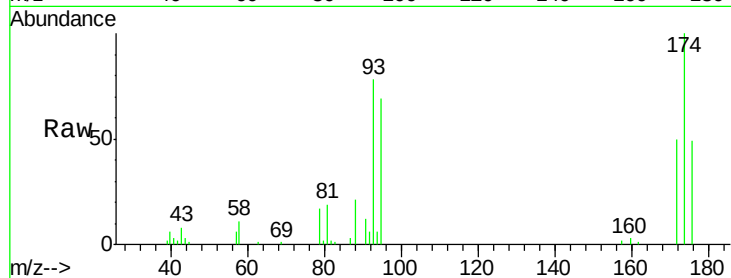
Tot Ion: 88 Resp: 18746

Ion Ratio Lower Upper

88 100

43 38.3 24.2 36.4#

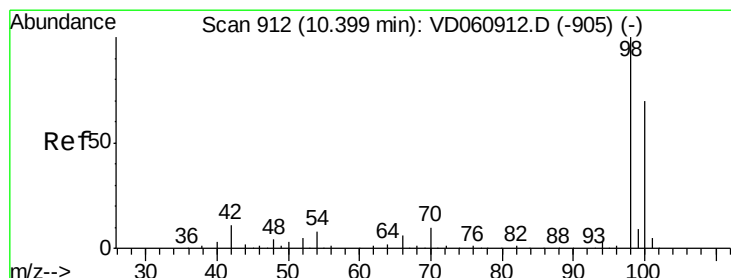
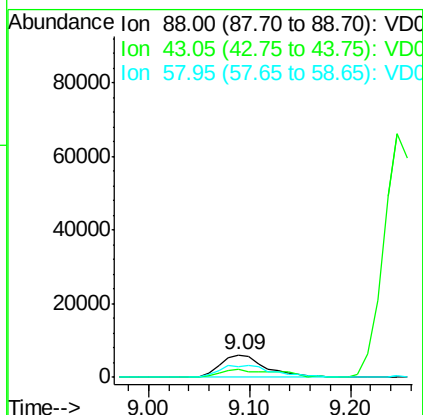
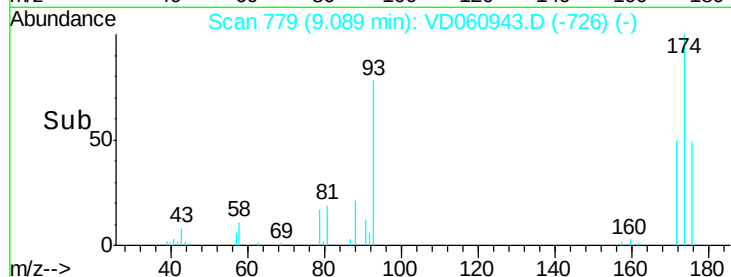
58 50.2 51.1 76.7#



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: 359.506 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD060943.D

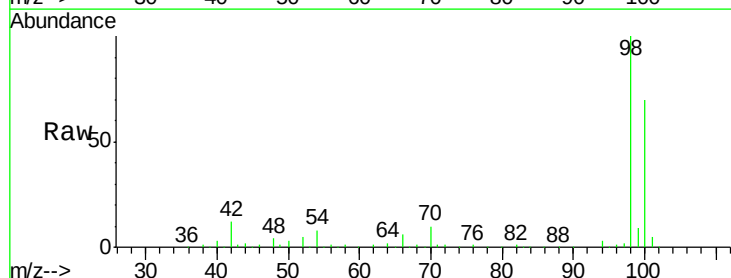
Acq: 5 Mar 2019 12:39

Tgt Ion: 98 Resp: 1162598

Ion Ratio Lower Upper

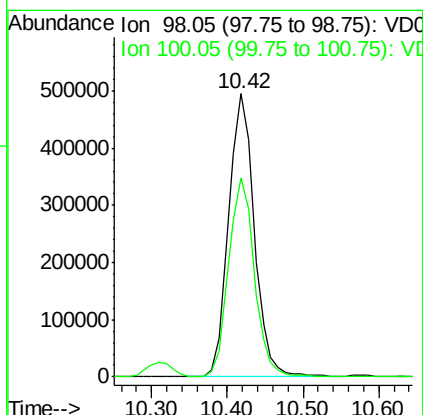
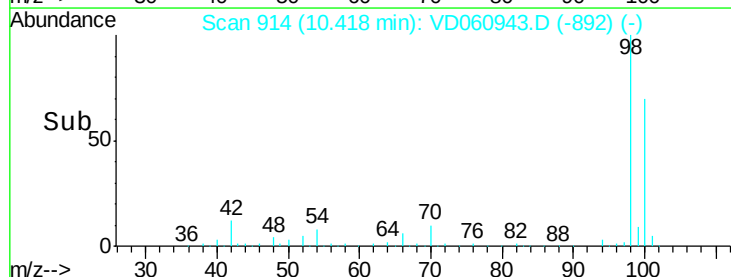
98 100

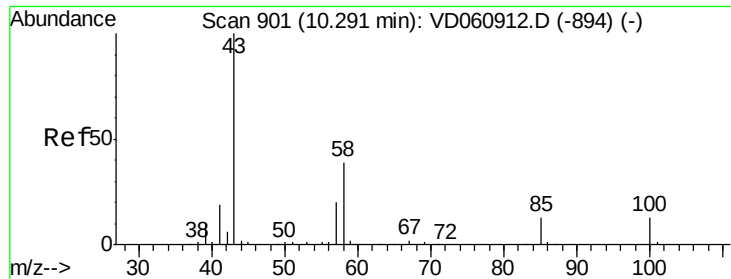
100 70.3 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 92.859 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

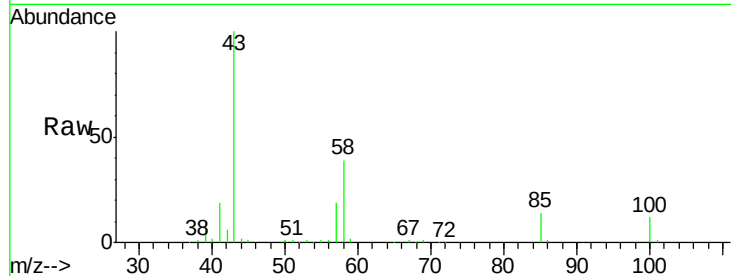
VD0305SBS01

Tot Ion: 43 Resp: 501225

Ion Ratio Lower Upper

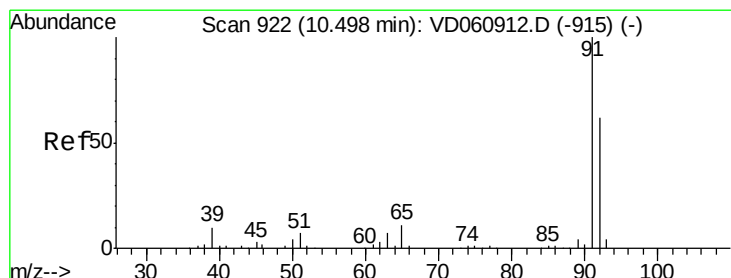
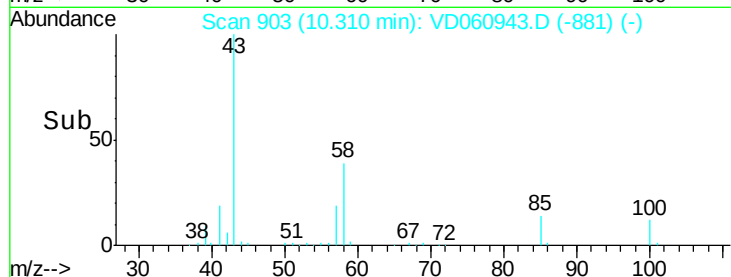
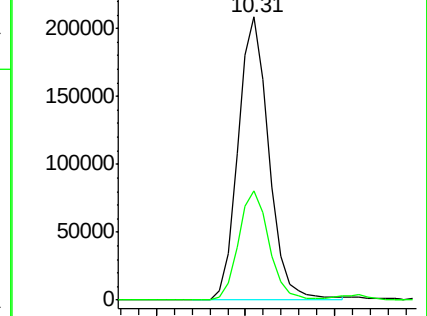
43 100

58 38.8 31.0 46.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.699 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD060943.D

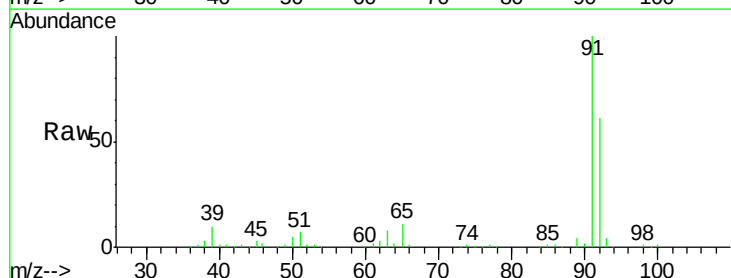
Acq: 5 Mar 2019 12:39

Tgt Ion: 92 Resp: 398670

Ion Ratio Lower Upper

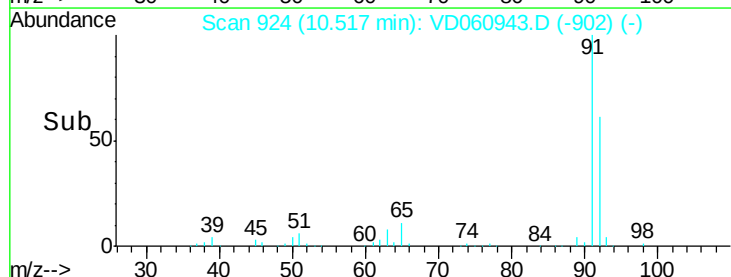
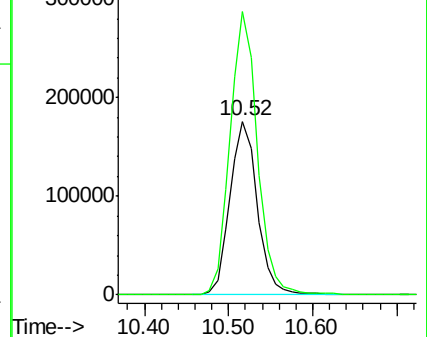
92 100

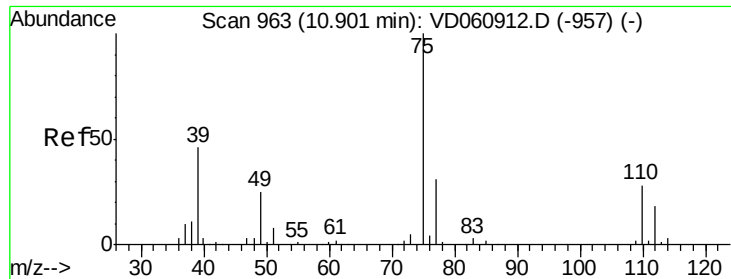
91 162.9 129.9 194.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

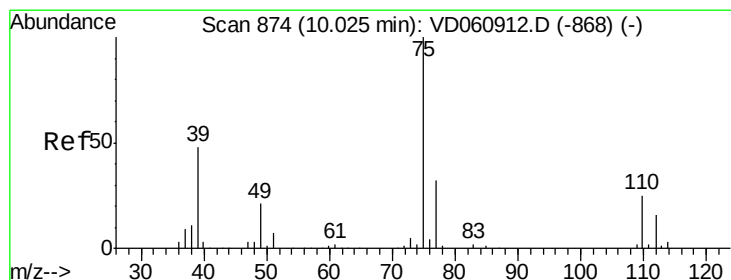
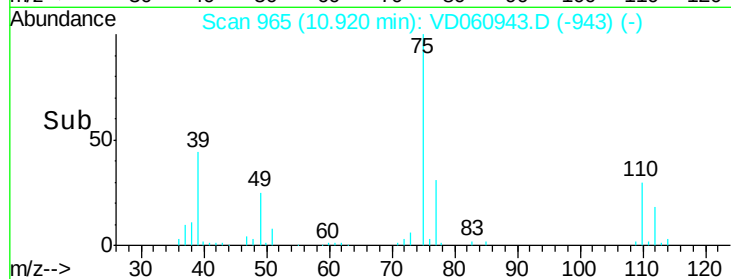
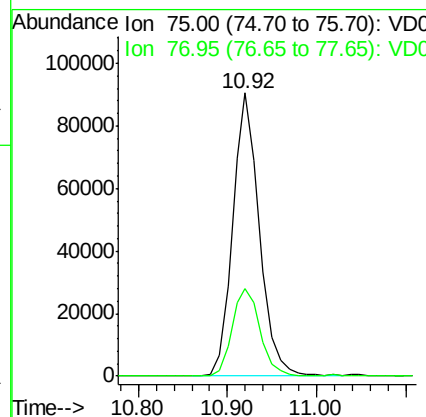
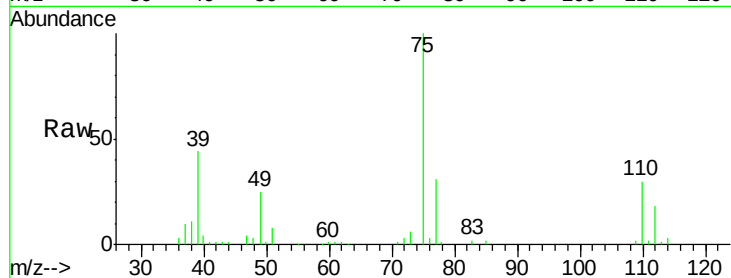




#53
 t-1,3-Dichloropropene
 Concen: 17.627 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

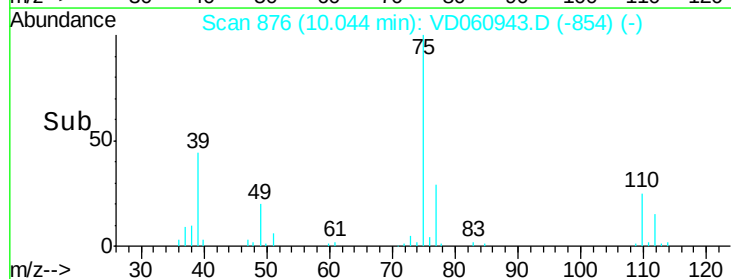
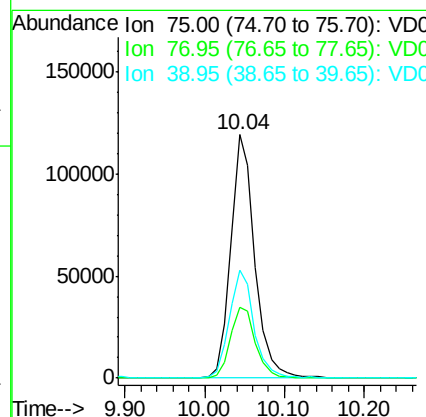
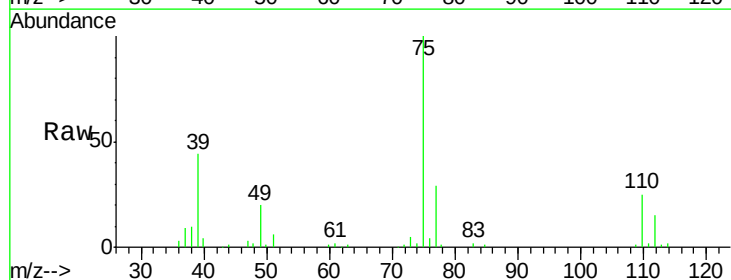
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

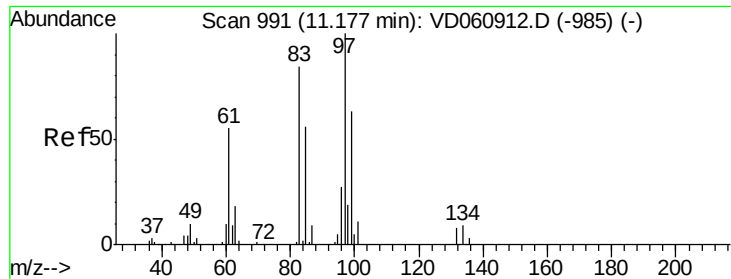
Tot Ion: 75 Resp: 190332
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 18.819 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion: 75 Resp: 251966
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.3 37.9
 39 44.4 38.2 57.4

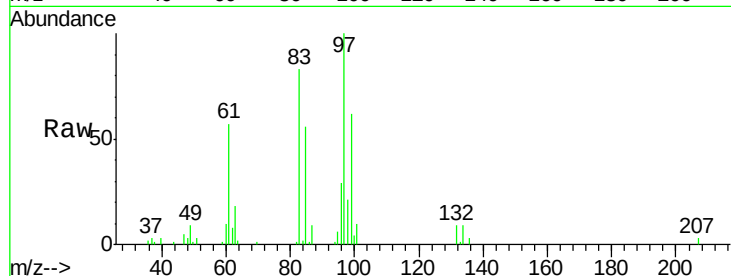




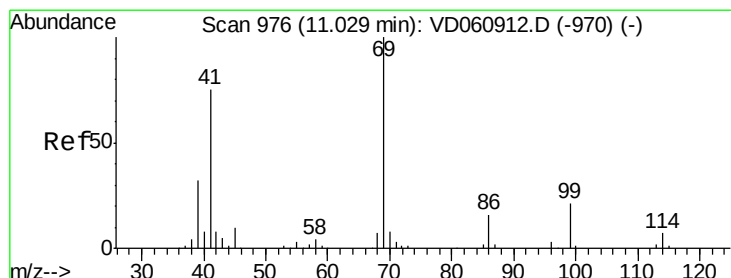
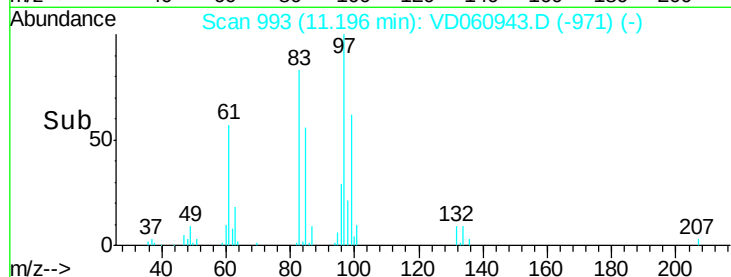
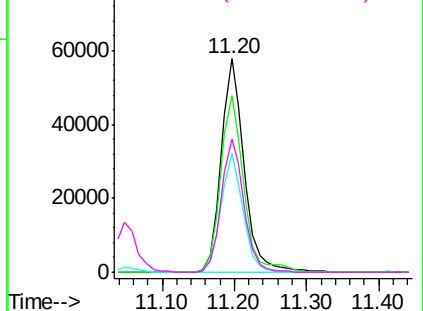
#55
 1,1,2-Trichloroethane
 Concen: 18.913 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion: 97 Resp: 126581
 Ion Ratio Lower Upper
 97 100
 83 82.8 67.5 101.3
 85 55.7 44.9 67.3
 99 62.2 50.6 76.0

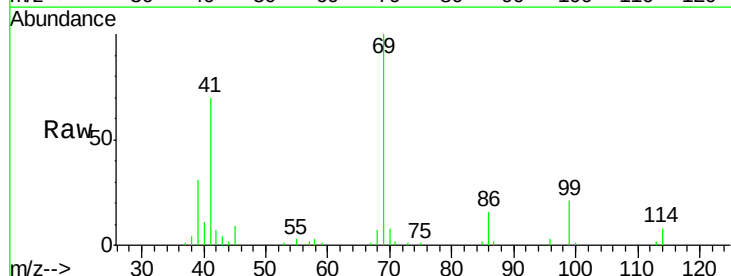


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

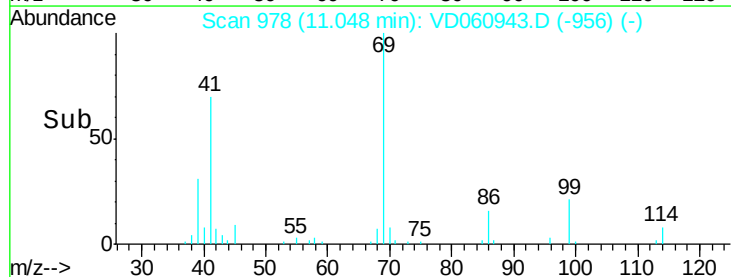
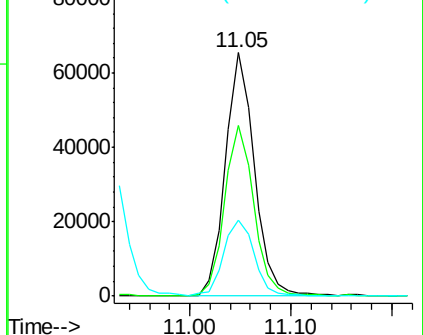


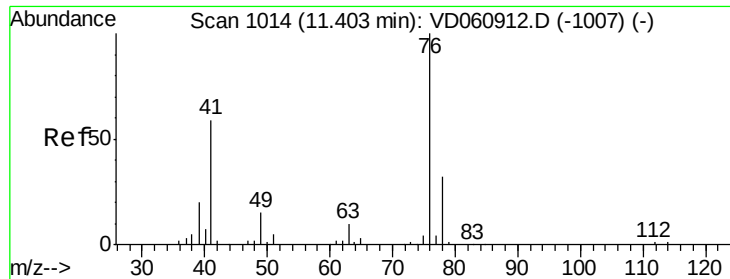
#56
 Ethyl methacrylate
 Concen: 18.448 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion: 69 Resp: 130892
 Ion Ratio Lower Upper
 69 100
 41 70.2 59.9 89.9
 39 31.4 25.7 38.5



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.210 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

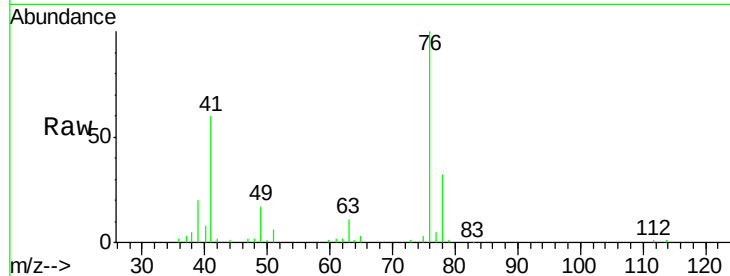
VD0305SBS01

Tot Ion: 76 Resp: 177193

Ion Ratio Lower Upper

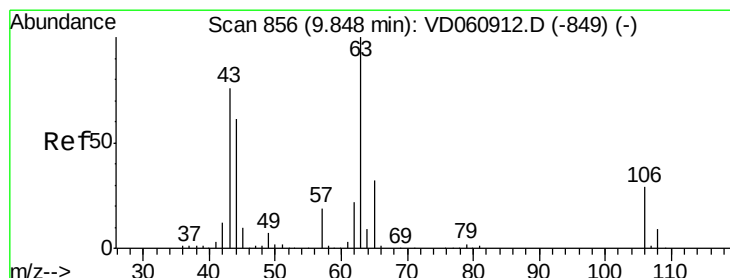
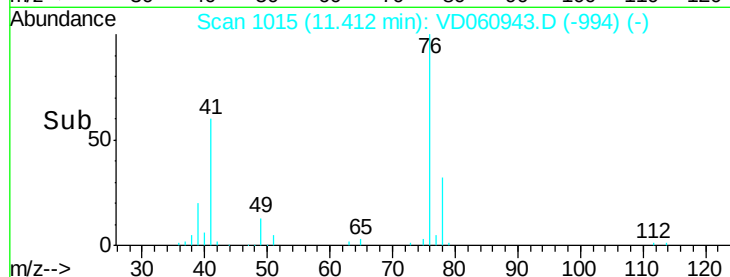
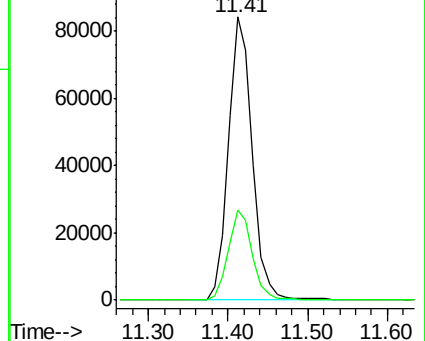
76 100

78 32.1 25.6 38.4



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 91.341 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD060943.D

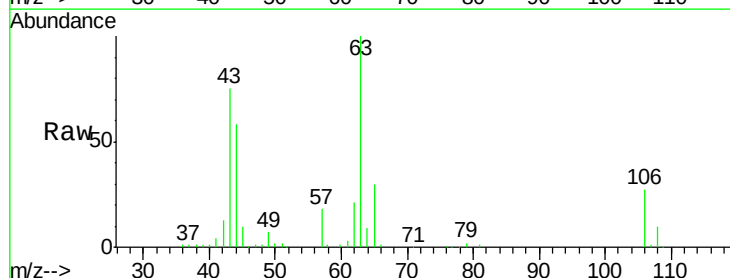
Acq: 5 Mar 2019 12:39

Tgt Ion: 63 Resp: 346120

Ion Ratio Lower Upper

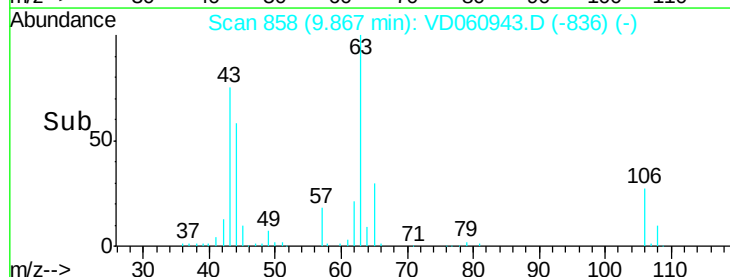
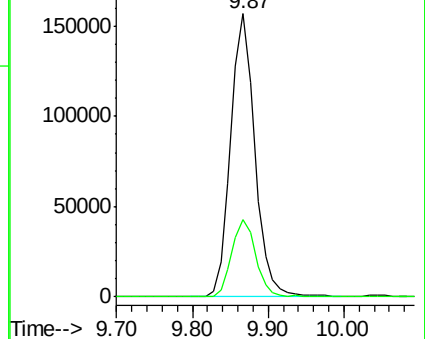
63 100

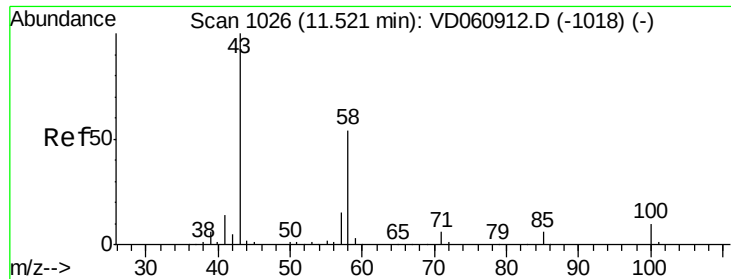
106 27.4 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

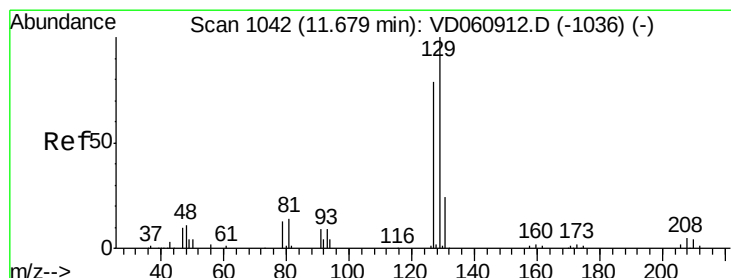
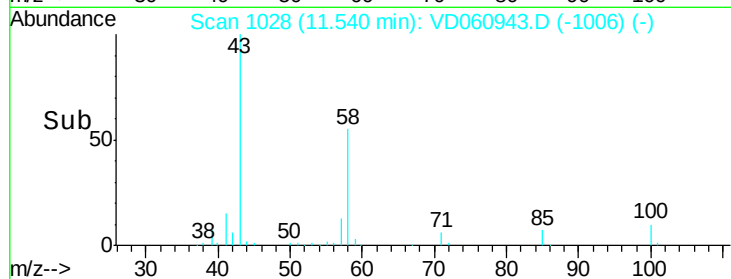
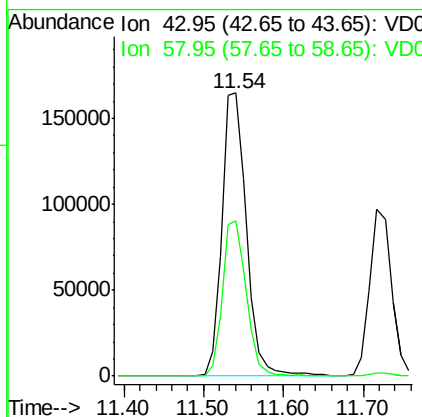
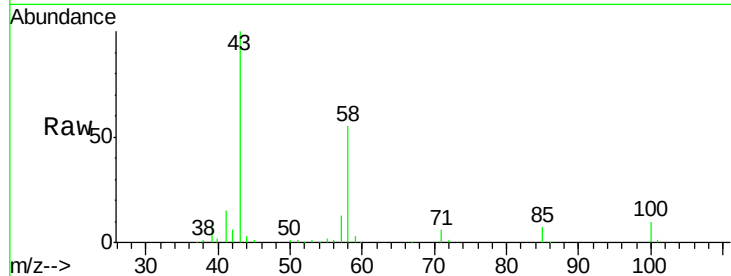




#59
2-Hexanone
Concen: 94.729 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

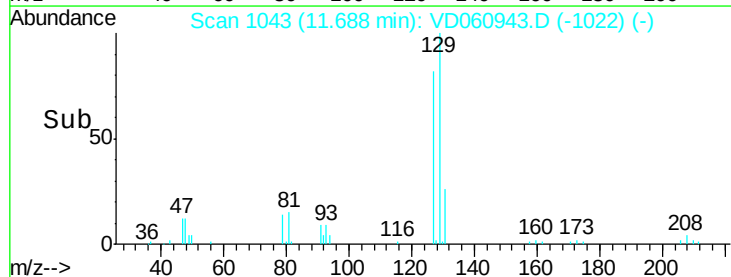
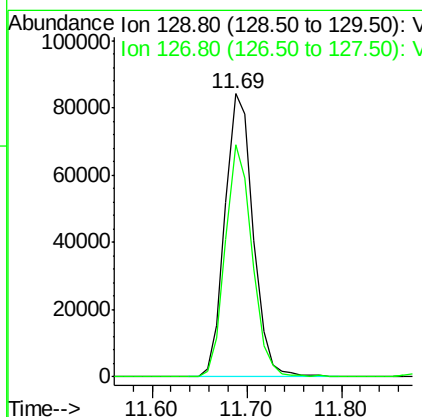
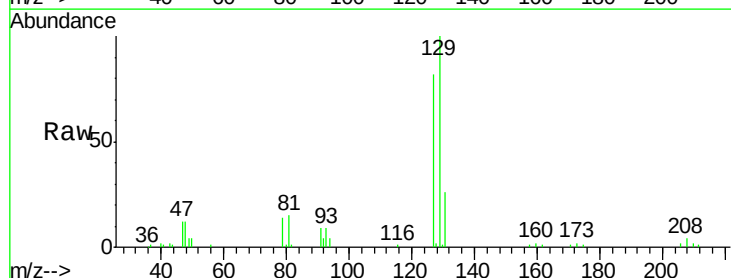
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

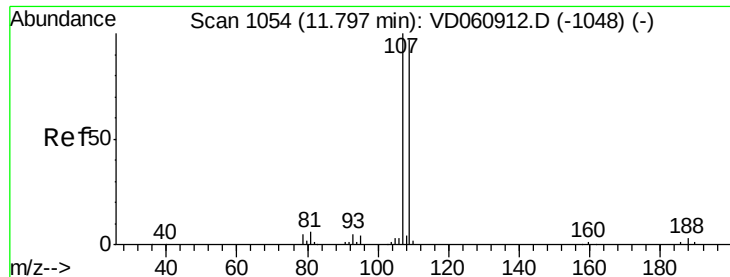
Tot Ion: 43 Resp: 358430
Ion Ratio Lower Upper
43 100
58 54.7 27.2 81.5



#60
Dibromochloromethane
Concen: 17.992 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion: 129 Resp: 173667
Ion Ratio Lower Upper
129 100
127 82.1 39.4 118.1

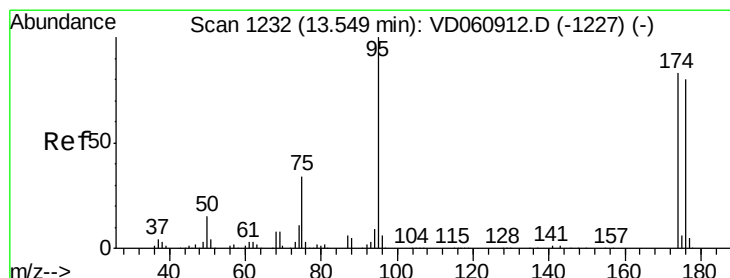
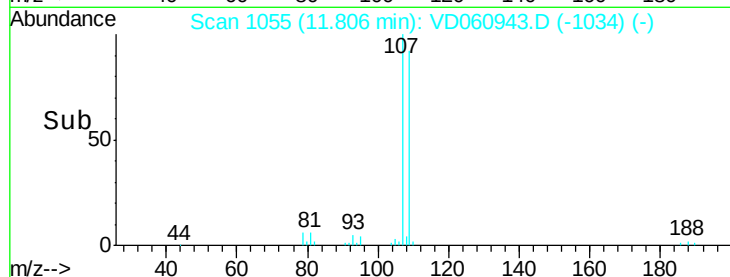
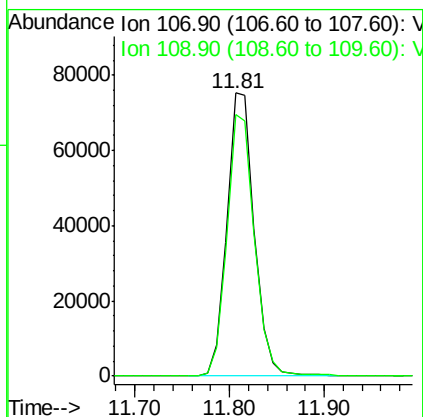
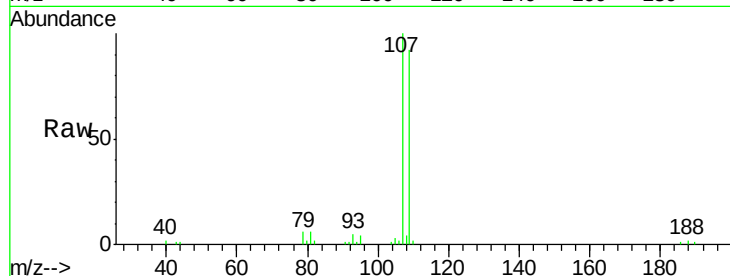




#61
 1,2-Dibromoethane
 Concen: 19.066 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

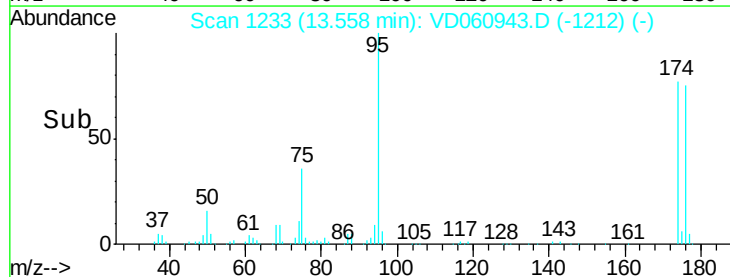
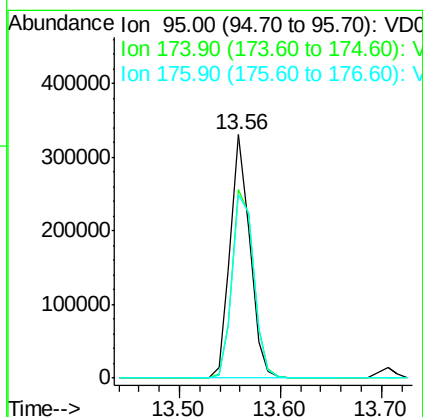
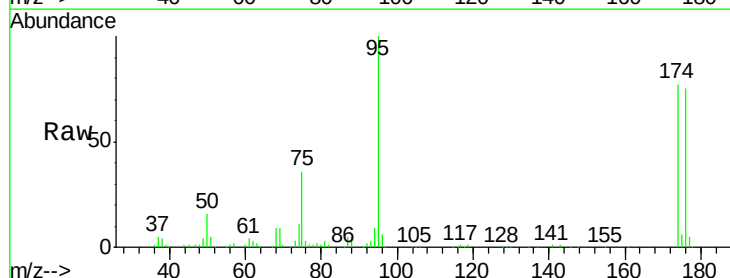
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

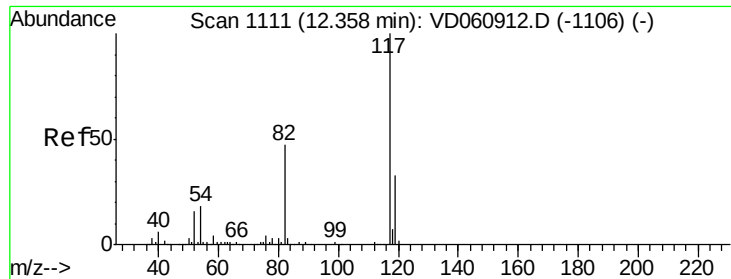
Tot Ion: 107 Resp: 149912
 Ion Ratio Lower Upper
 107 100
 109 92.4 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 19.066 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion: 95 Resp: 450364
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 165.6
 176 75.2 0.0 160.6

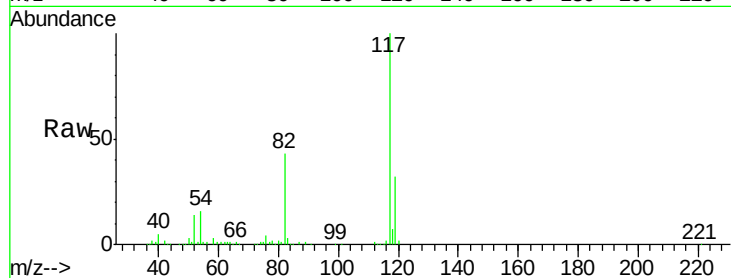




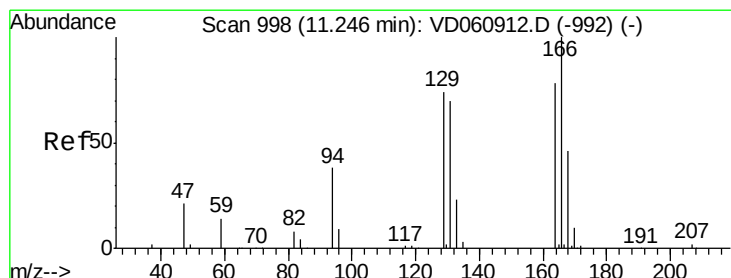
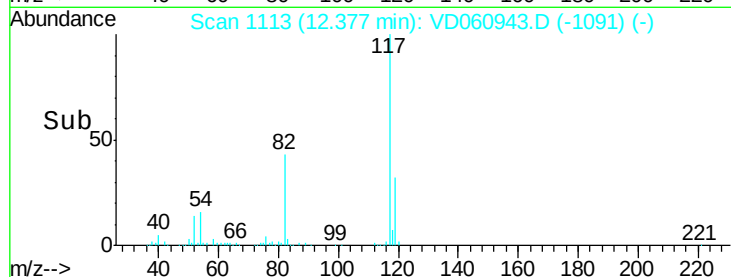
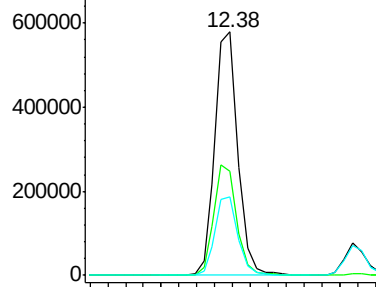
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion:117 Resp: 1031406
Ion Ratio Lower Upper
117 100
82 42.5 37.5 56.3
119 32.0 26.2 39.2

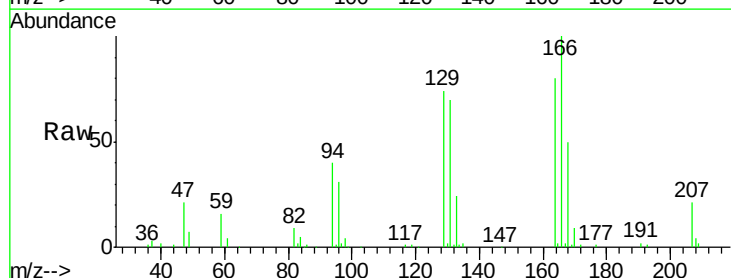


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

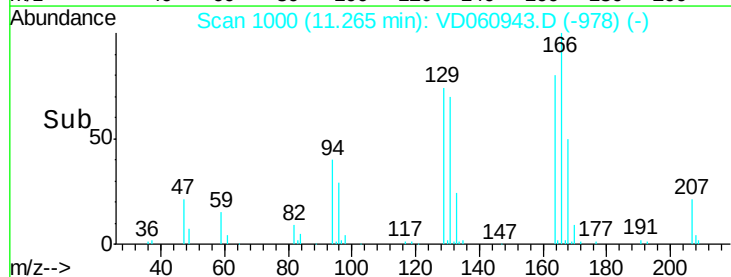
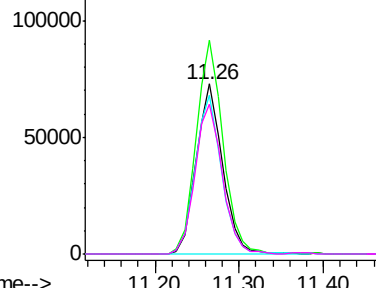


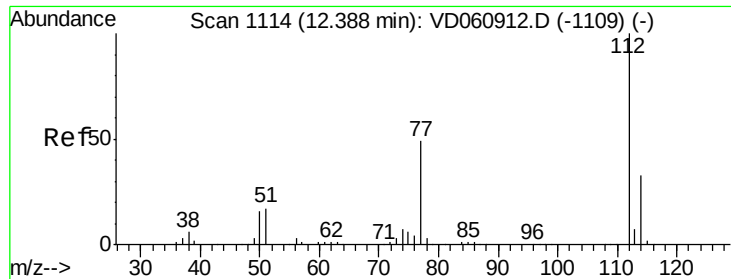
#64
Tetrachloroethene
Concen: 20.041 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion:164 Resp: 158234
Ion Ratio Lower Upper
164 100
166 125.6 102.3 153.5
129 93.4 75.6 113.4
131 87.8 72.0 108.0



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

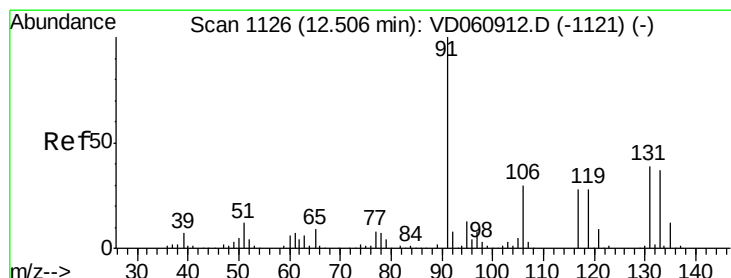
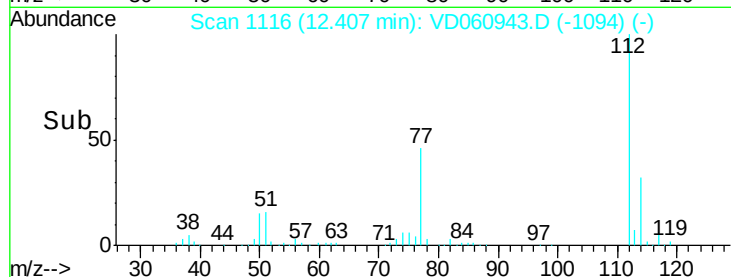
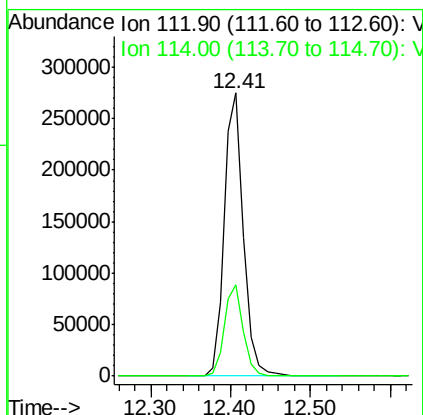
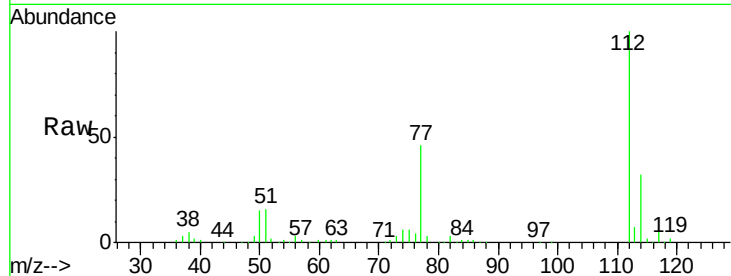




#65
Chlorobenzene
Concen: 20.218 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

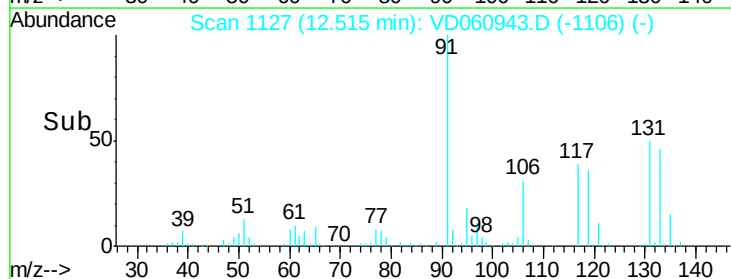
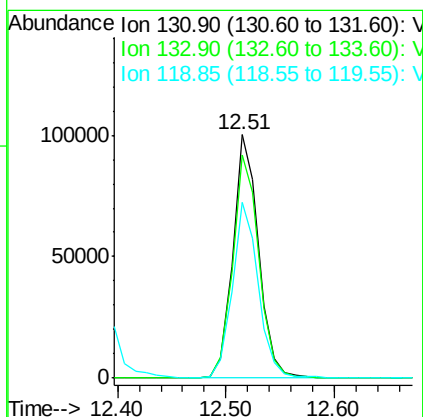
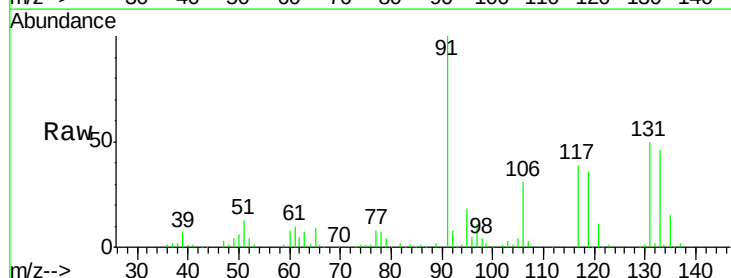
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

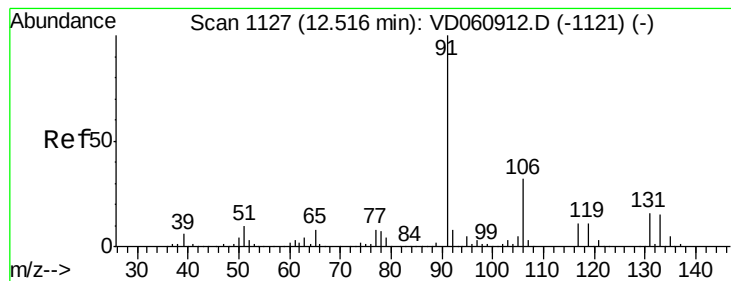
Tot Ion:112 Resp: 464261
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.022 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion:131 Resp: 164989
Ion Ratio Lower Upper
131 100
133 91.9 47.4 142.3
119 72.4 36.0 108.1





#67

Ethyl Benzene

Concen: 20.901 ug/l

RT: 12.52 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

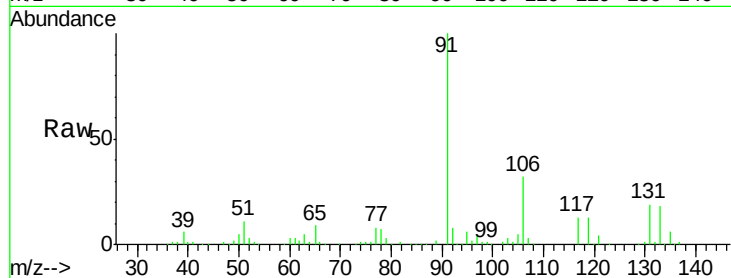
VD0305SBS01

Tot Ion: 91 Resp: 698840

Ion Ratio Lower Upper

91 100

106 31.6 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1121) (-)

Ion 106.05 (105.75 to 106.75): VD060912.D (-1121) (-)

600000

500000

400000

300000

200000

100000

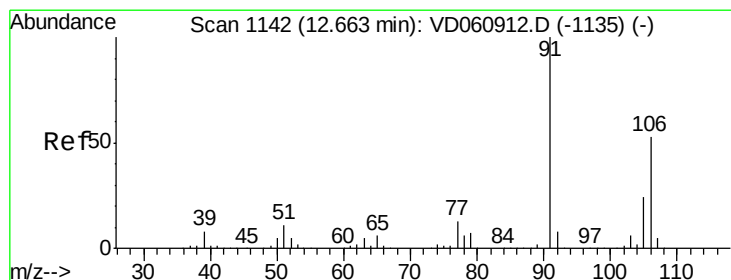
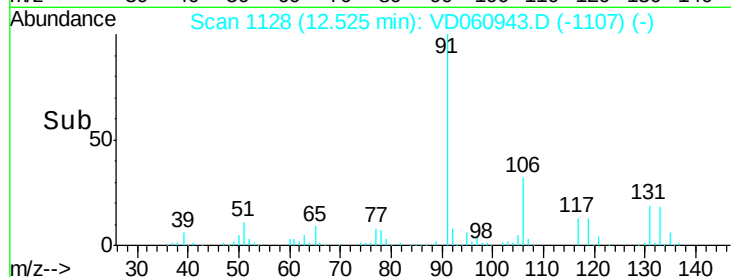
0

12.52

12.50

12.60

Time-->



#68

m/p-Xylenes

Concen: 40.491 ug/l

RT: 12.67 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VD060943.D

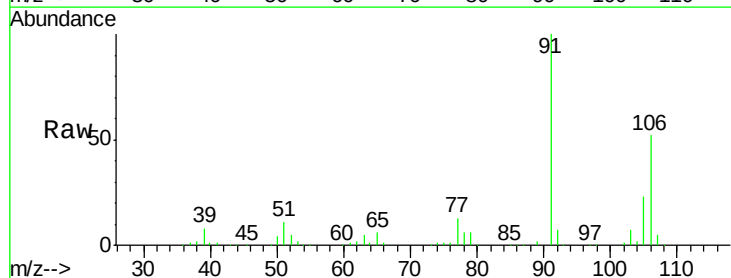
Acq: 5 Mar 2019 12:39

Tgt Ion: 106 Resp: 540897

Ion Ratio Lower Upper

106 100

91 191.4 150.2 225.4



Abundance Ion 106.05 (105.75 to 106.75): VD060912.D (-1135) (-)

Ion 91.00 (90.70 to 91.70): VD060912.D (-1135) (-)

600000

500000

400000

300000

200000

100000

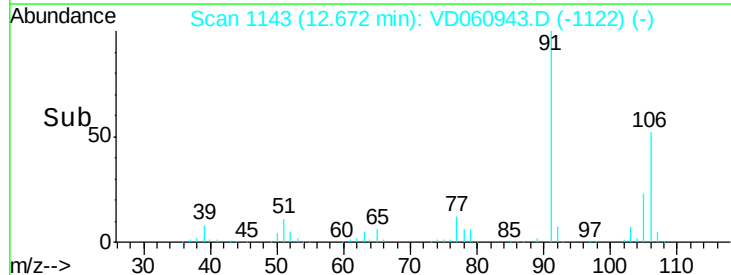
0

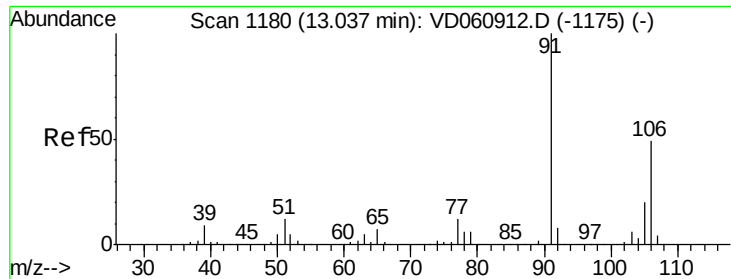
12.67

12.60

12.80

Time-->

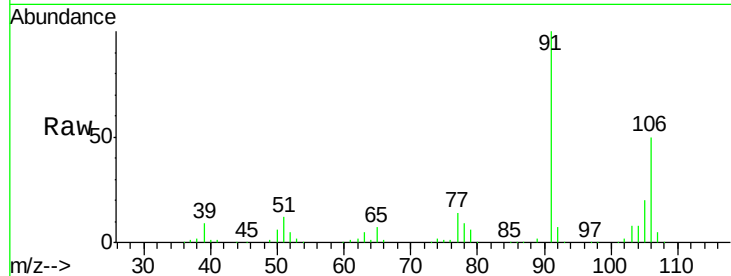




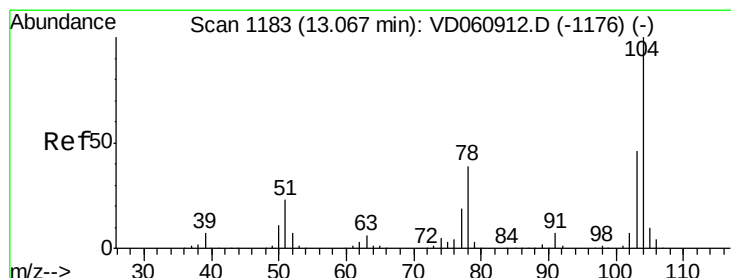
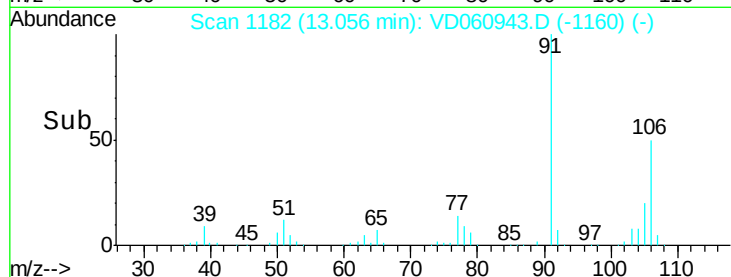
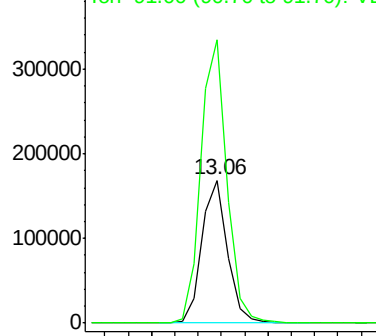
#69
o-Xylene
Concen: 20.371 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion:106 Resp: 255618
Ion Ratio Lower Upper
106 100
91 198.6 102.9 308.7

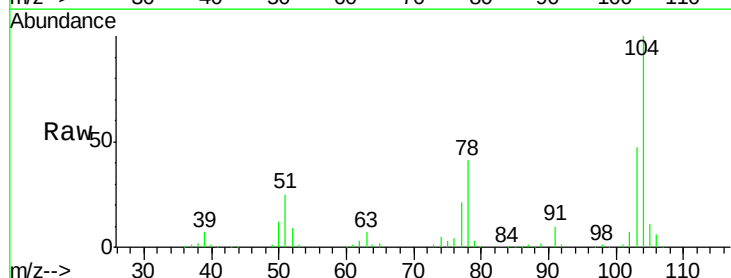


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

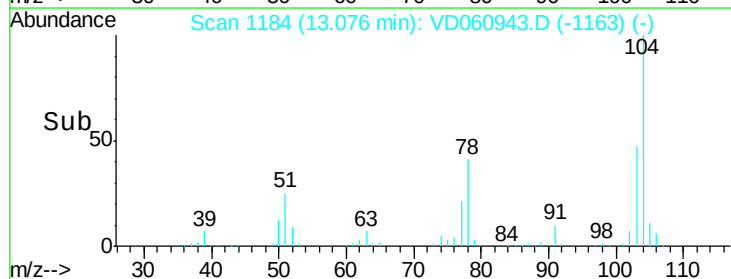
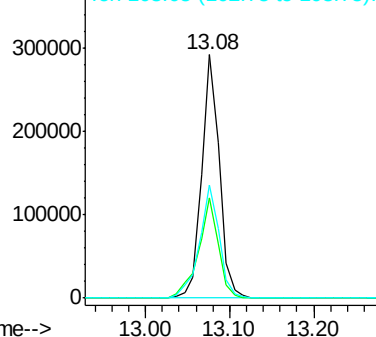


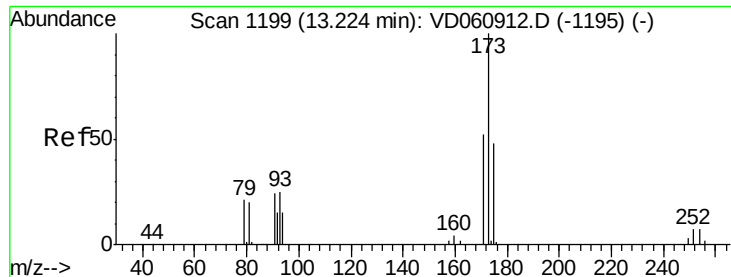
#70
Styrene
Concen: 20.280 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion:104 Resp: 424593
Ion Ratio Lower Upper
104 100
78 41.1 31.0 46.4
103 46.5 36.5 54.7



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: 18.504 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

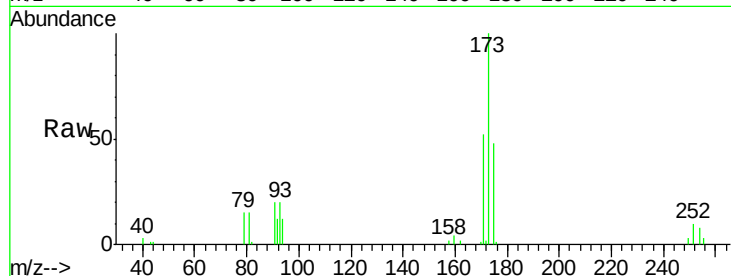
Tot Ion:173 Resp: 96511

Ion Ratio Lower Upper

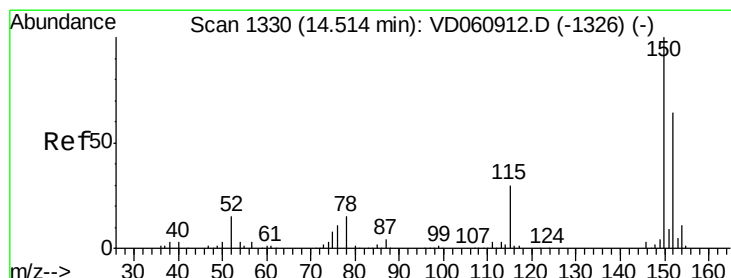
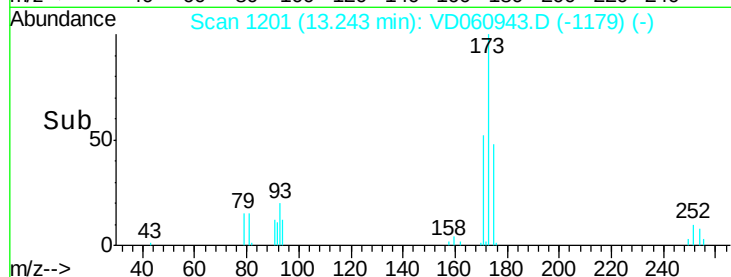
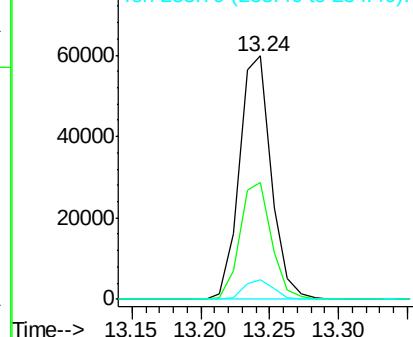
173 100

175 47.9 24.1 72.3

254 8.1 5.6 8.4



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

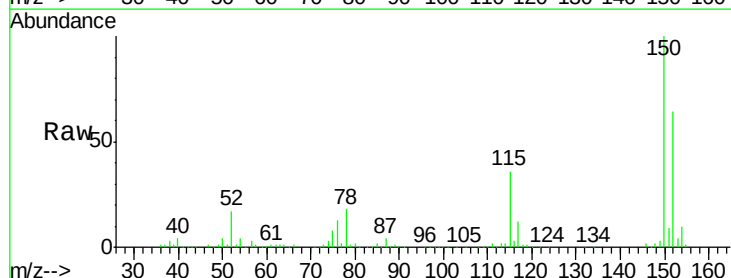
Tgt Ion:152 Resp: 494024

Ion Ratio Lower Upper

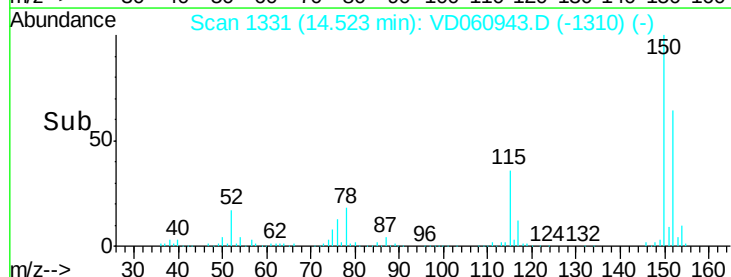
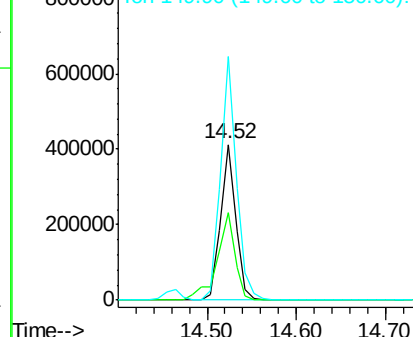
152 100

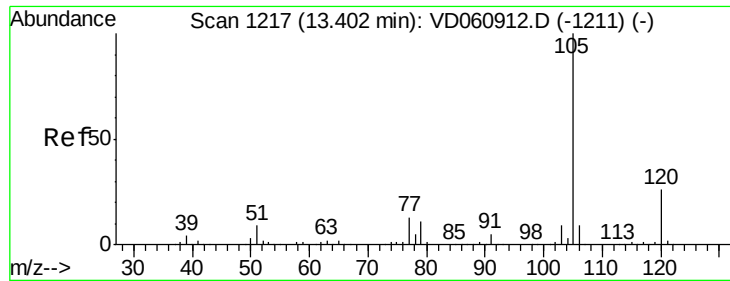
115 56.3 27.6 82.8

150 156.2 0.0 312.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.299 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampled :

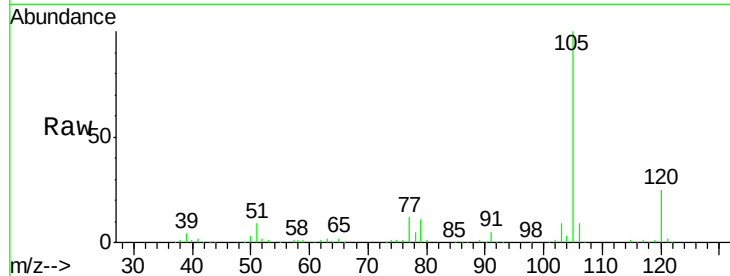
VD0305SBS01

Tot Ion:105 Resp: 698445

Ion Ratio Lower Upper

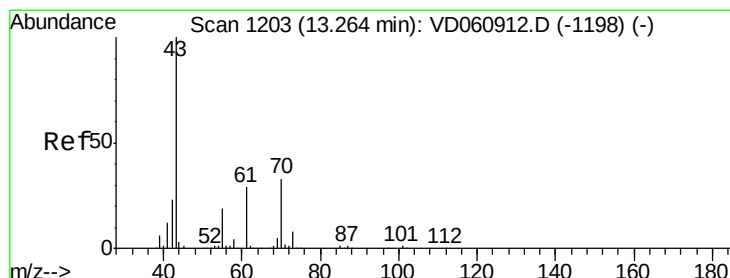
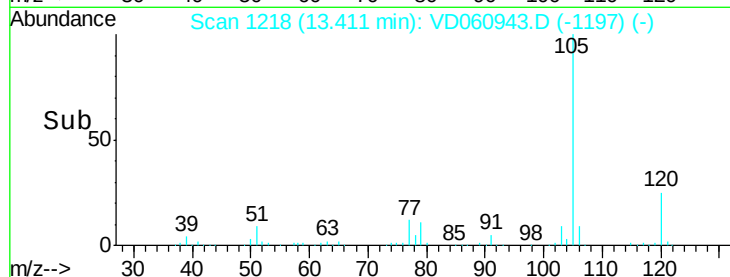
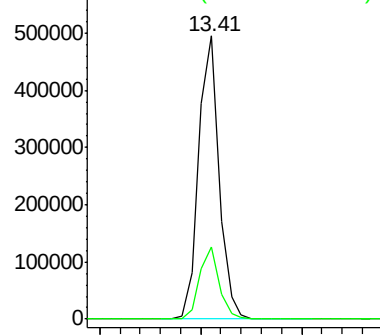
105 100

120 25.5 12.9 38.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 16.144 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Tgt Ion: 43 Resp: 184076

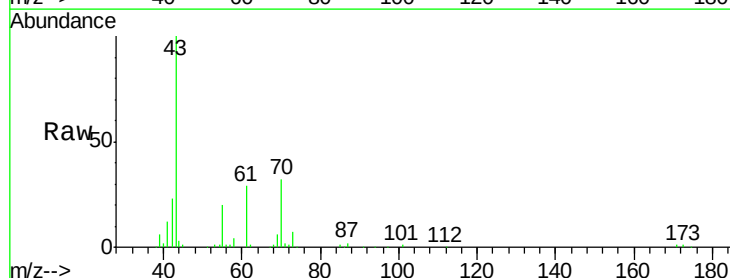
Ion Ratio Lower Upper

43 100

70 31.7 26.3 39.5

55 19.7 15.4 23.2

61 28.6 23.4 35.0

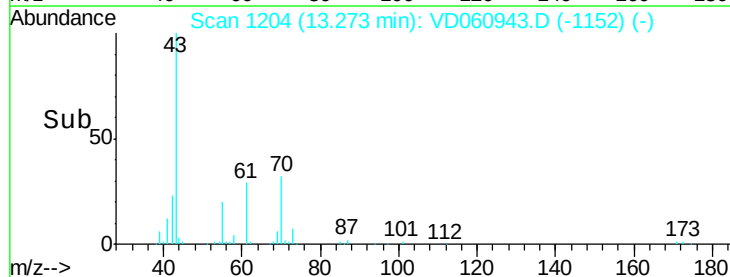
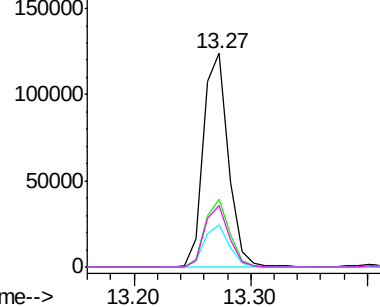


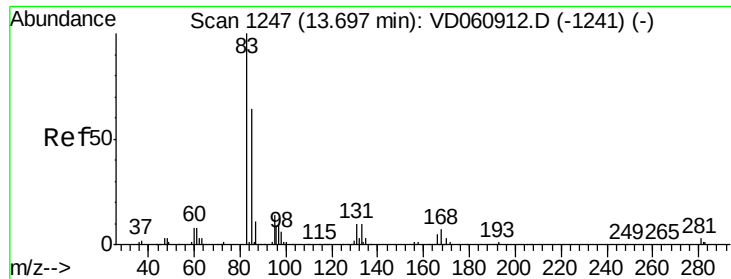
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.201 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

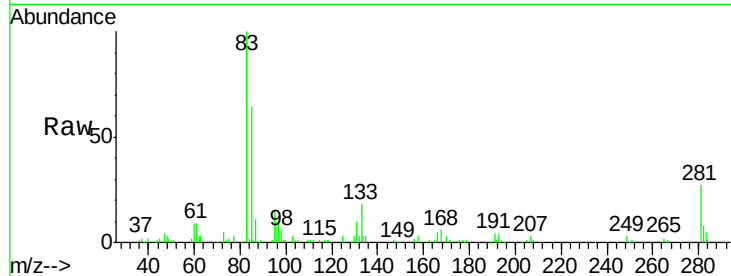
Tot Ion: 83 Resp: 128249

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.1	15.2
85	64.2	32.3	96.8

83 100

131 9.9 5.1 15.2

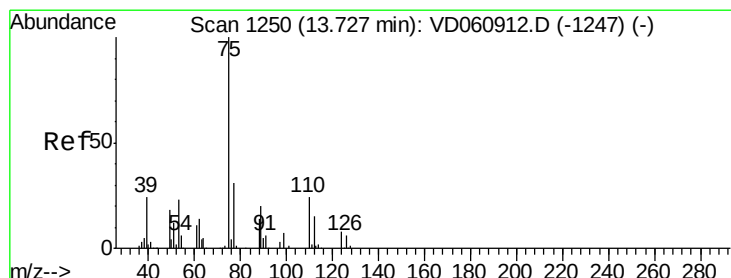
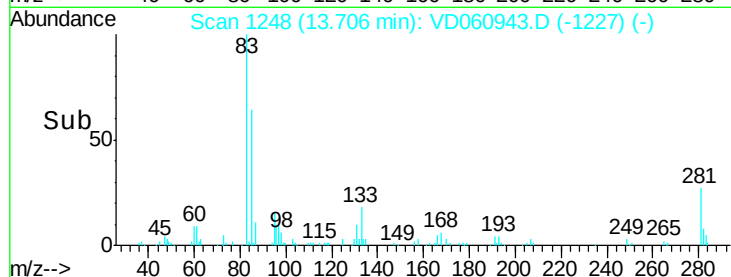
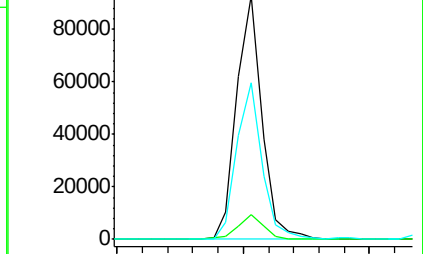
85 64.2 32.3 96.8



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: 17.434 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060943.D

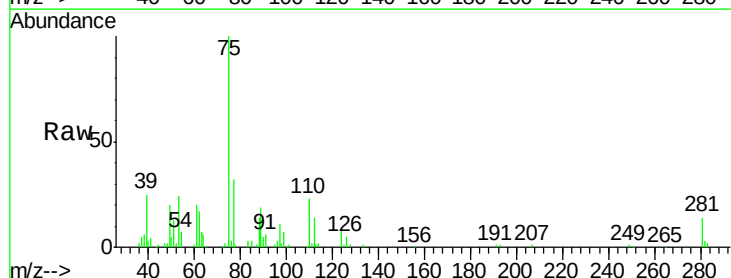
Acq: 5 Mar 2019 12:39

Tgt Ion: 75 Resp: 139550

Ion	Ratio	Lower	Upper
75	100		
77	32.1	16.2	48.6

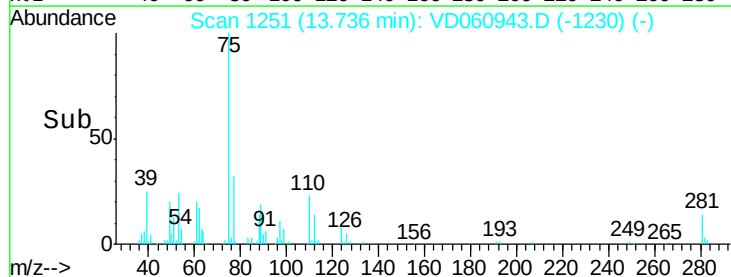
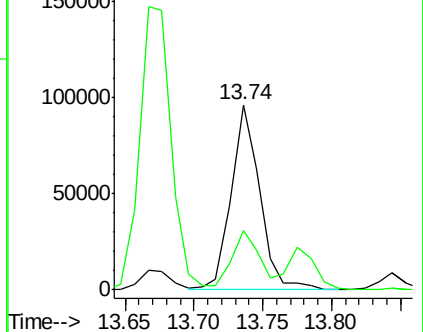
75 100

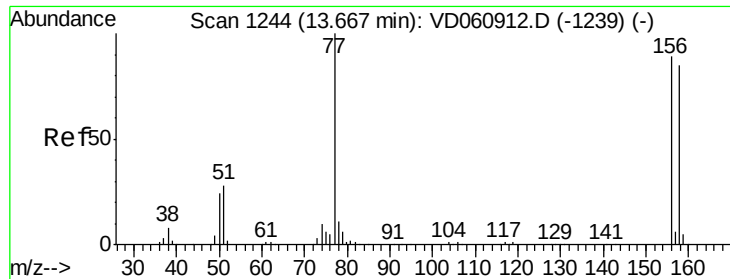
77 32.1 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.411 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

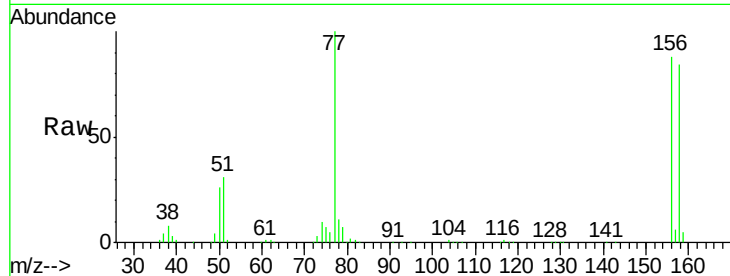
Tot Ion:156 Resp: 183687

Ion Ratio Lower Upper

156 100

77 113.4 56.4 169.2

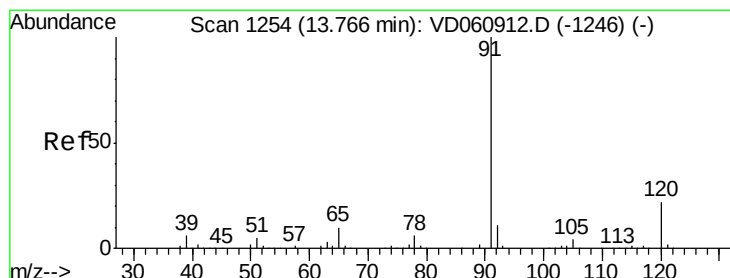
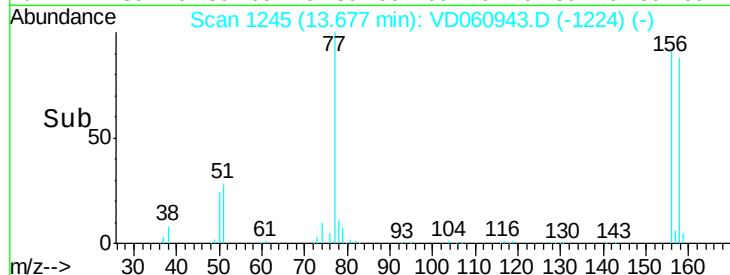
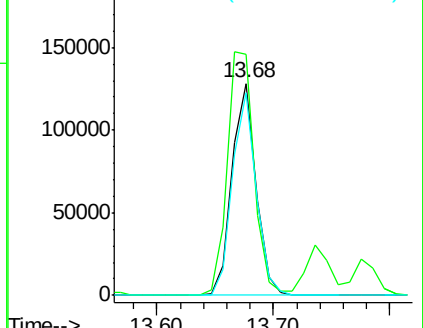
158 95.6 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.660 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060943.D

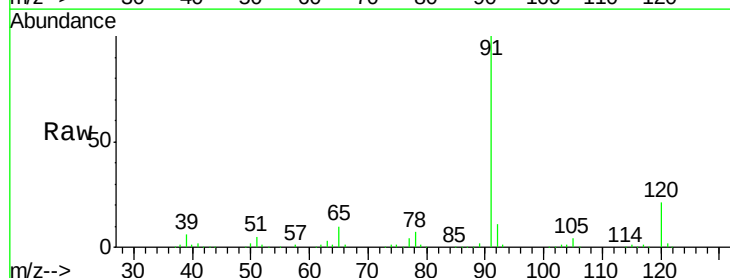
Acq: 5 Mar 2019 12:39

Tgt Ion: 91 Resp: 863366

Ion Ratio Lower Upper

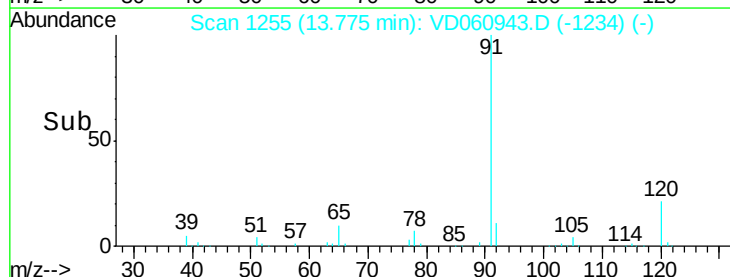
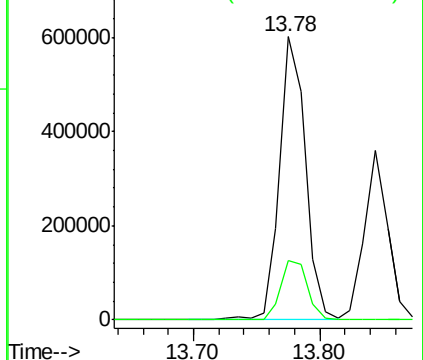
91 100

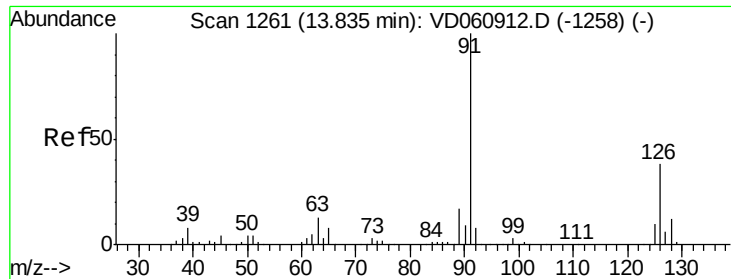
120 20.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

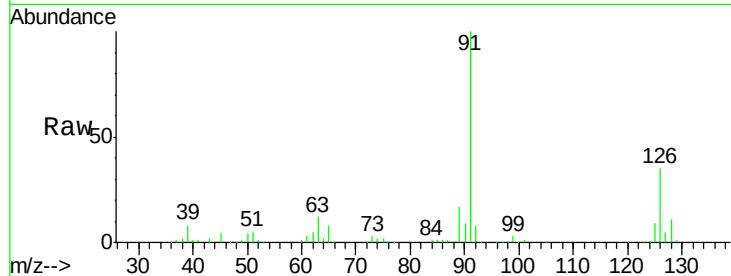




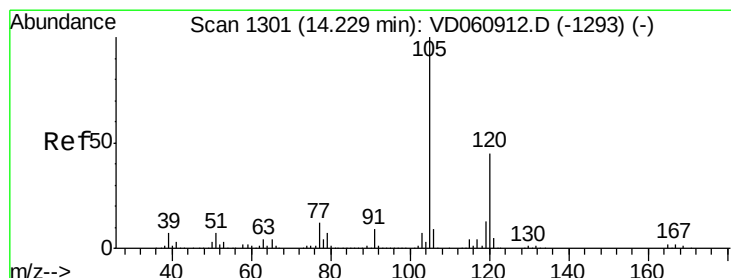
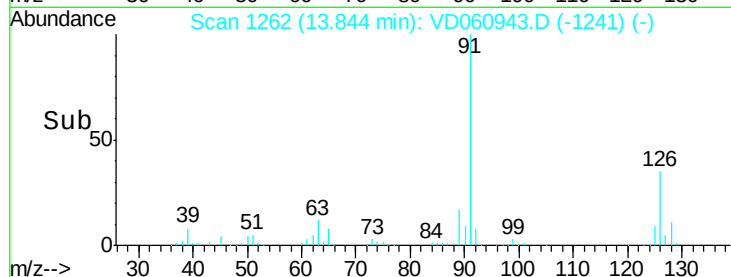
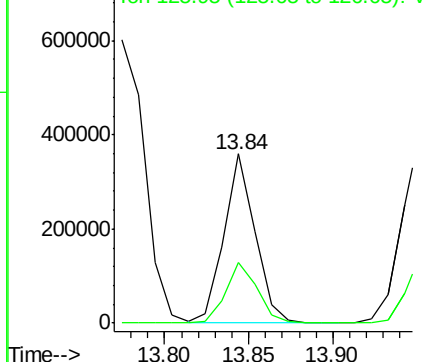
#79
 2-Chlorotoluene
 Concen: 18.333 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion: 91 Resp: 459799
 Ion Ratio Lower Upper
 91 100
 126 35.5 18.8 56.3

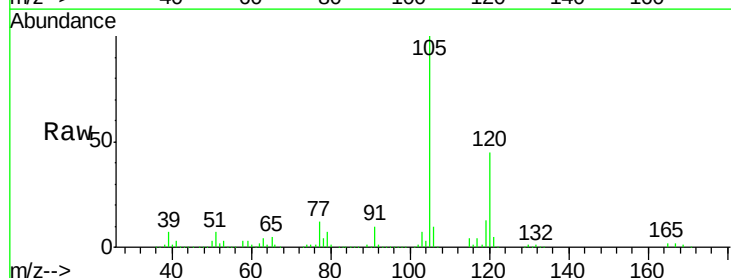


Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD060912.D (-1258) (-)

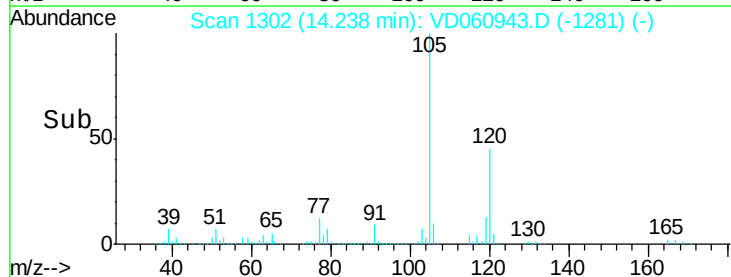
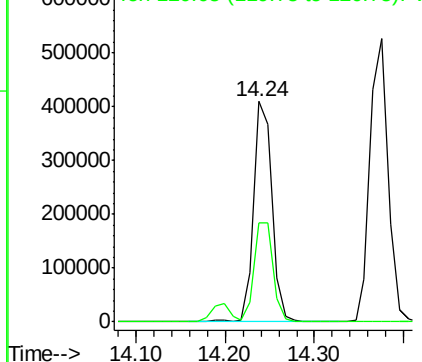


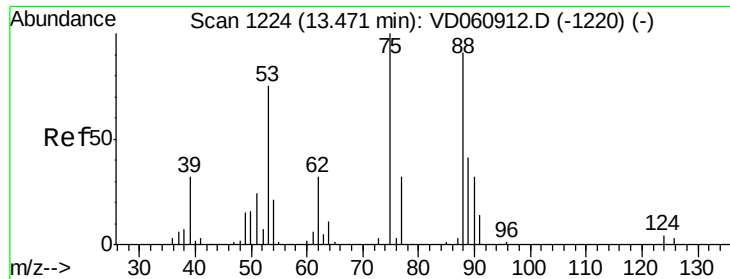
#80
 1,3,5-Trimethylbenzene
 Concen: 19.930 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion: 105 Resp: 576890
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): VD060912.D (-1293) (-)
 Ion 120.05 (119.75 to 120.75): VD060912.D (-1293) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.023 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

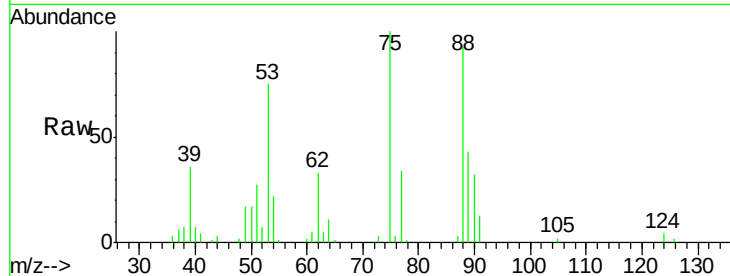
Tot Ion: 75 Resp: 40327

Ion Ratio Lower Upper

75 100

53 75.0 59.8 89.6

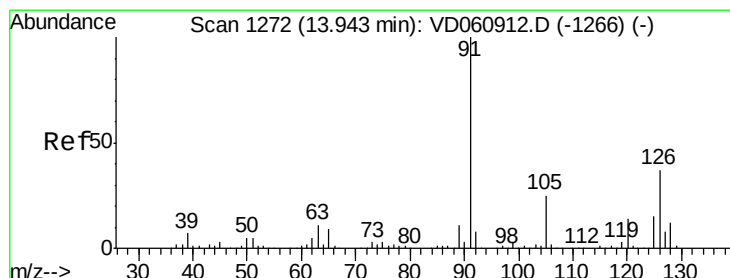
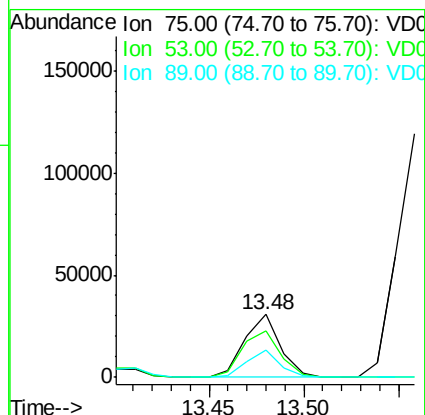
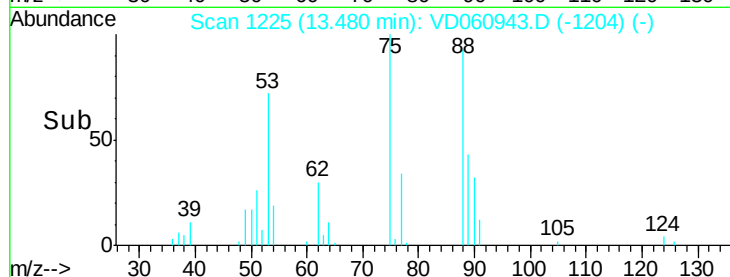
89 43.3 33.0 49.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.697 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD060943.D

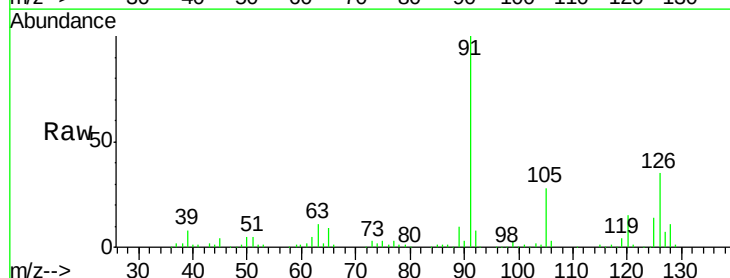
Acq: 5 Mar 2019 12:39

Tgt Ion: 91 Resp: 569341

Ion Ratio Lower Upper

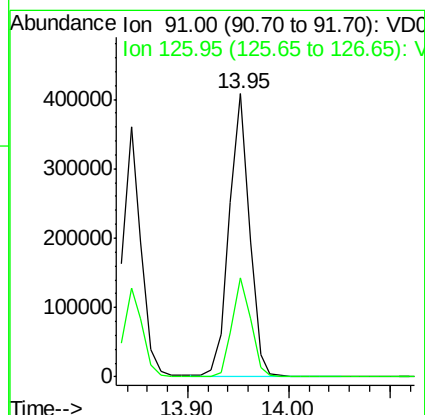
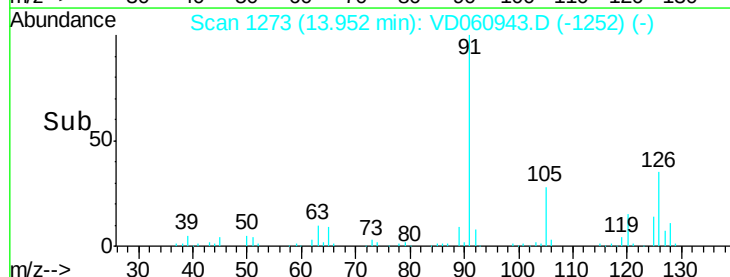
91 100

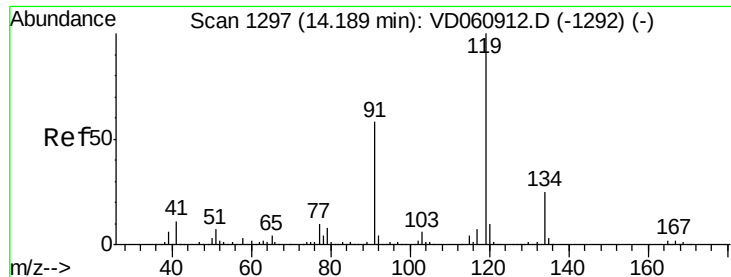
126 34.9 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

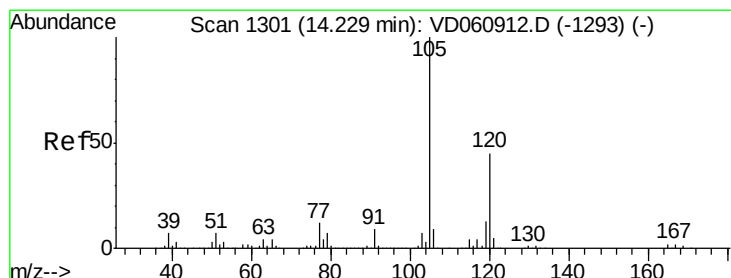
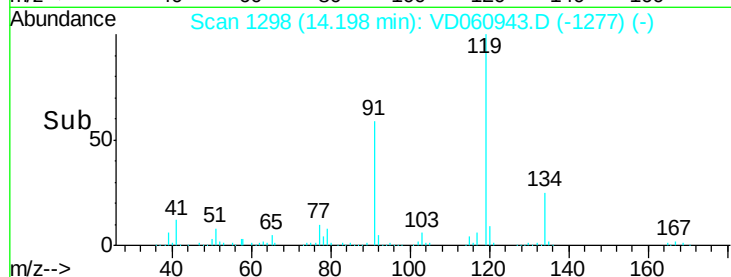
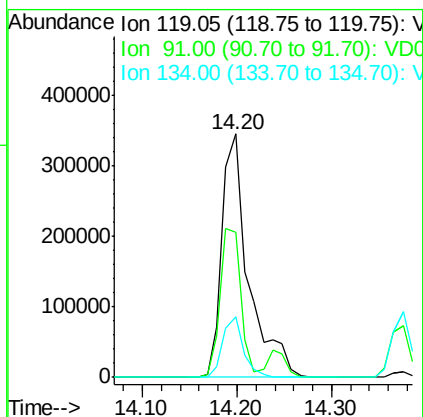
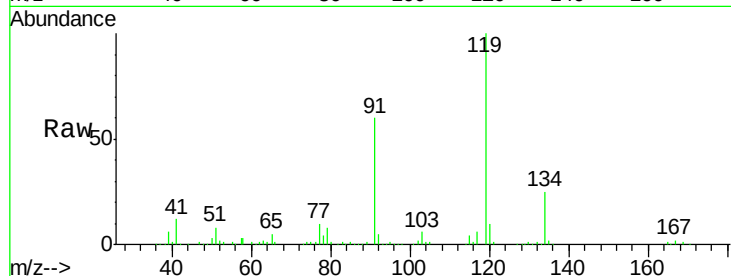




#83
 tert-Butylbenzene
 Concen: 20.377 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

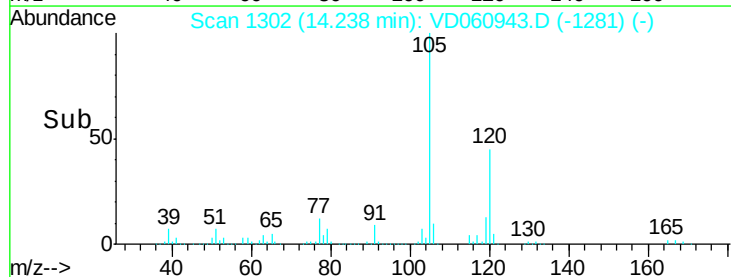
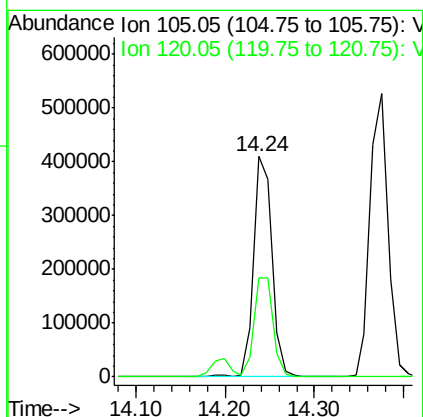
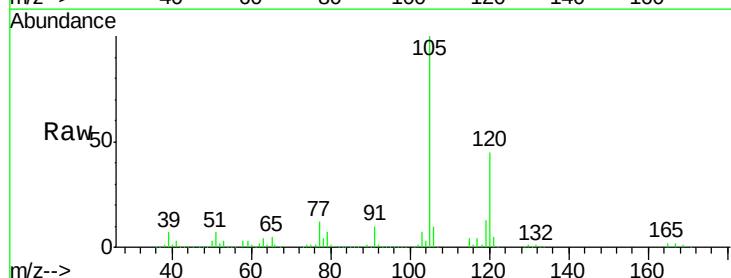
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

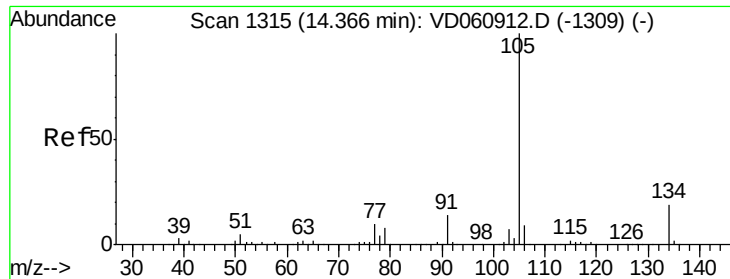
Tot Ion:119 Resp: 675320
 Ion Ratio Lower Upper
 119 100
 91 59.6 28.8 86.5
 134 25.0 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.930 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion:105 Resp: 576890
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.7 68.1

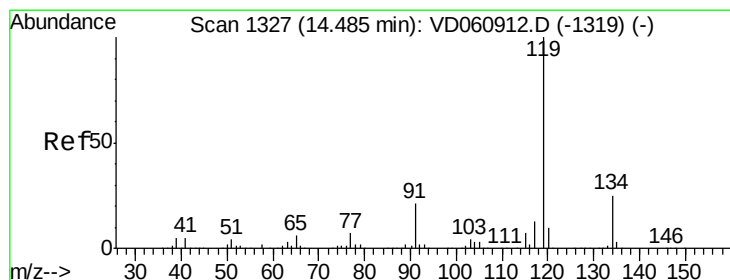
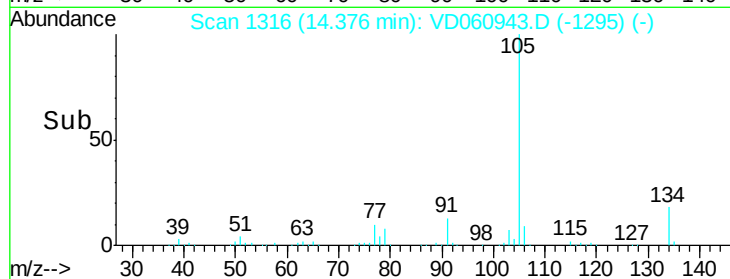
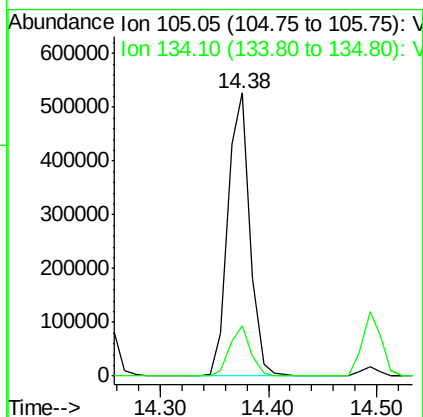
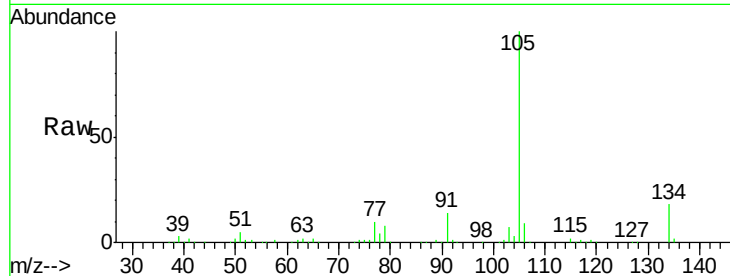




#85
 sec-Butylbenzene
 Concen: 19.220 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

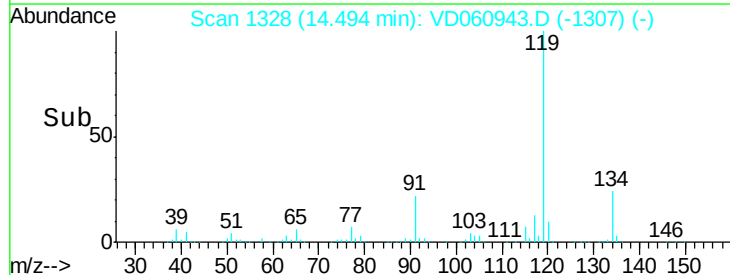
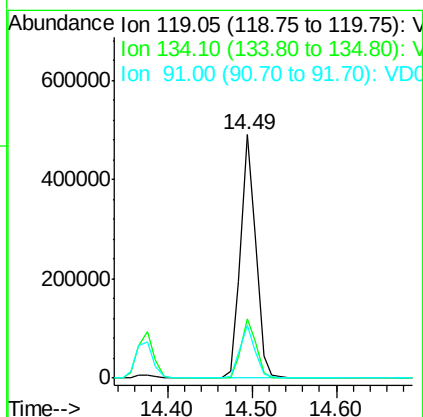
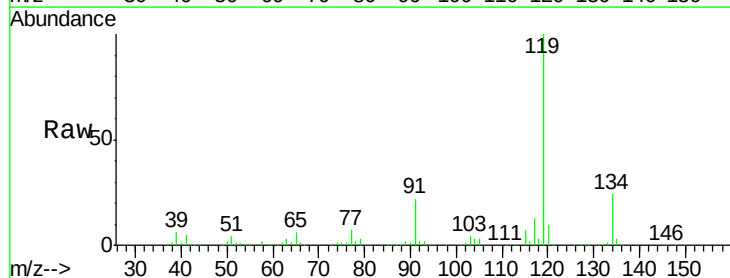
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

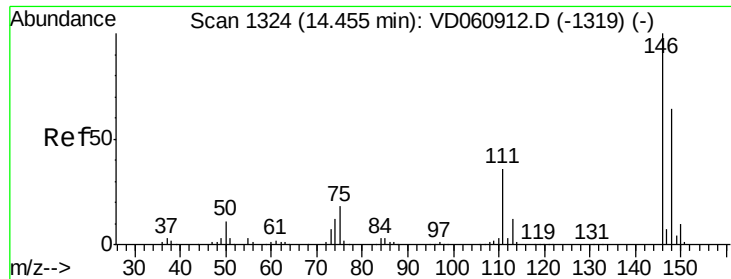
Tot Ion:105 Resp: 738458
 Ion Ratio Lower Upper
 105 100
 134 17.7 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 19.833 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion:119 Resp: 620654
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.4 37.0
 91 21.7 10.8 32.3

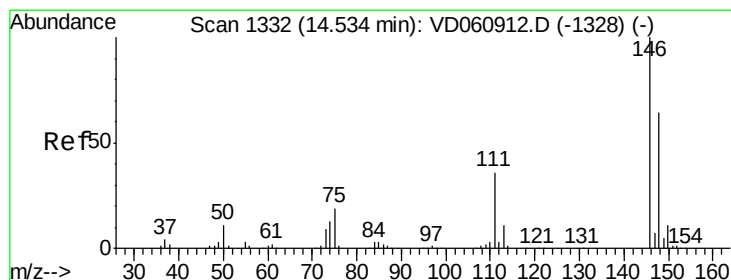
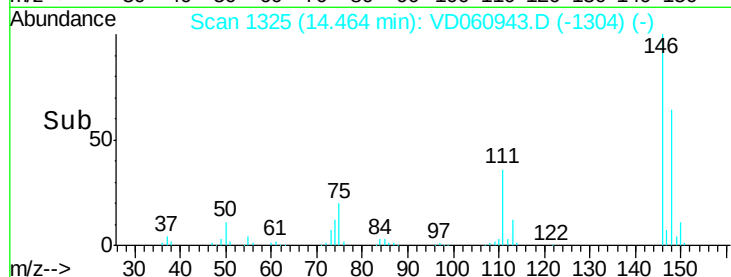
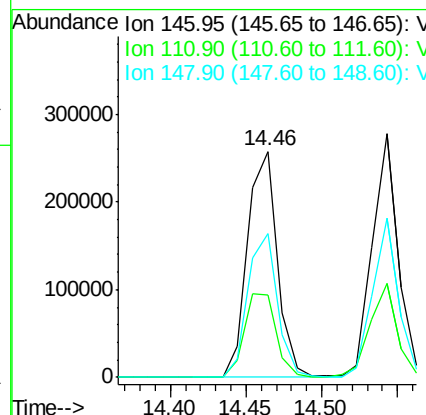
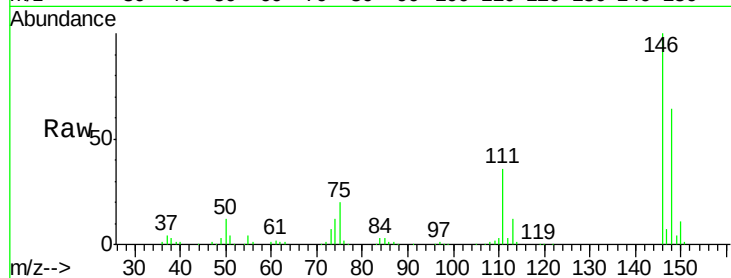




#87
 1,3-Dichlorobenzene
 Concen: 20.948 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

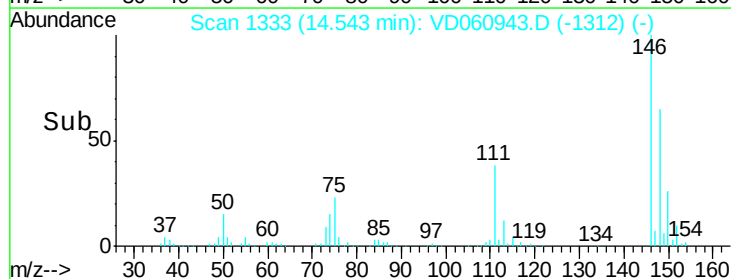
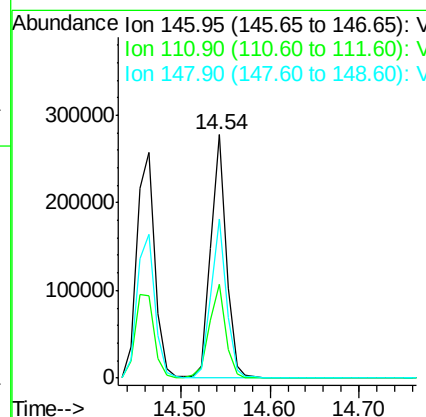
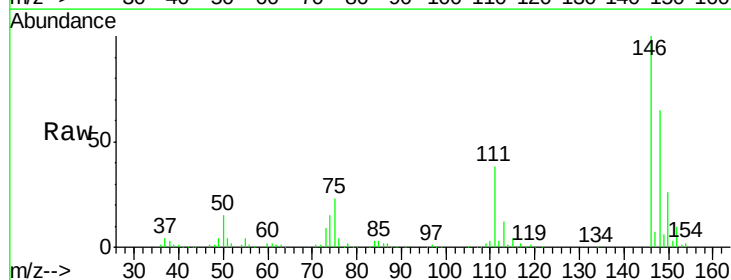
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

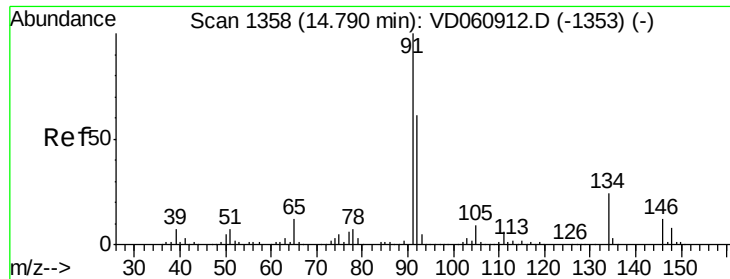
Tot Ion:146 Resp: 355069
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.1 54.1
 148 63.8 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.901 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion:146 Resp: 334980
 Ion Ratio Lower Upper
 146 100
 111 38.4 17.9 53.8
 148 65.4 32.0 96.0

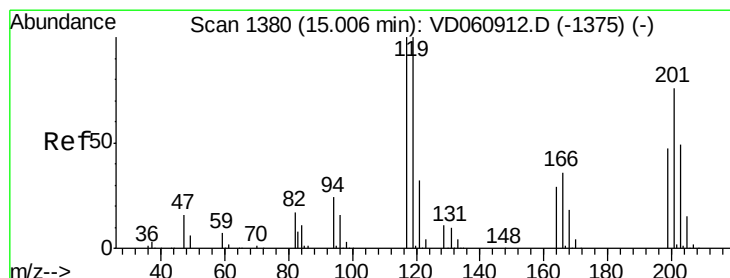
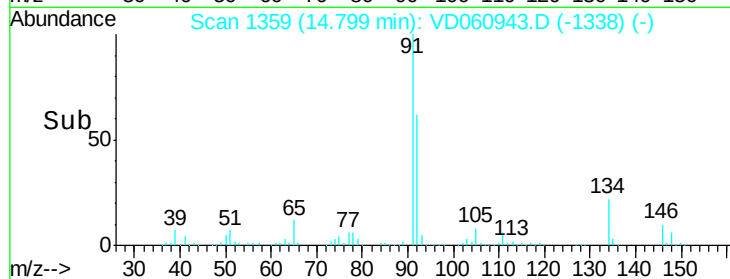
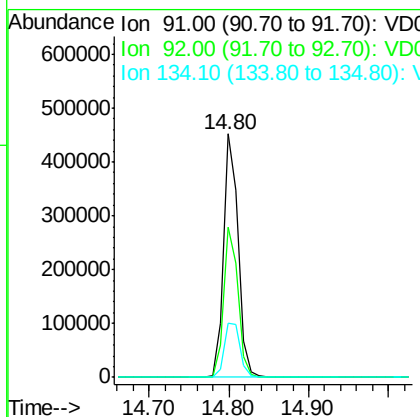
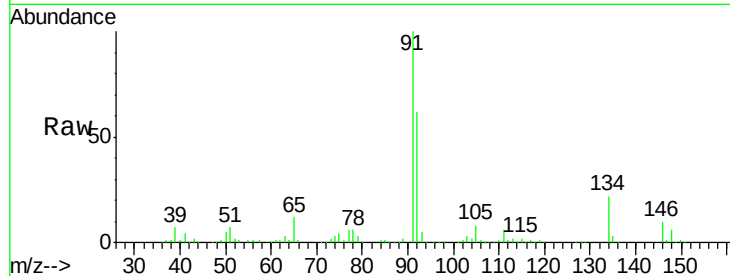




#89
n-Butylbenzene
Concen: 18.727 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

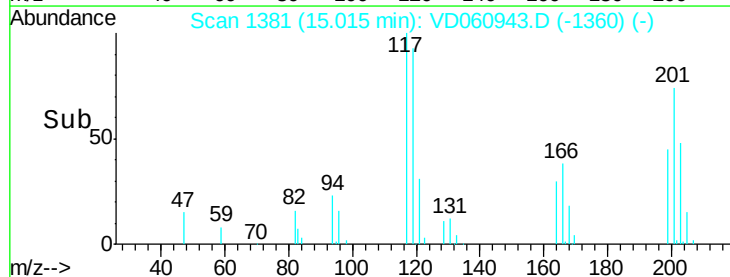
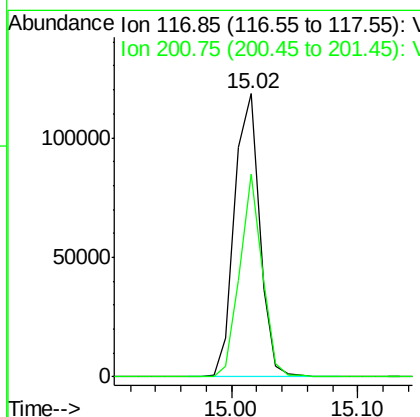
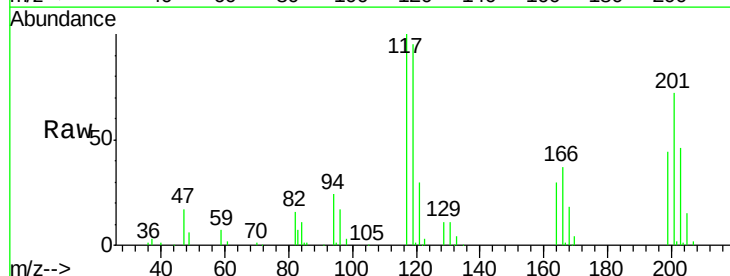
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

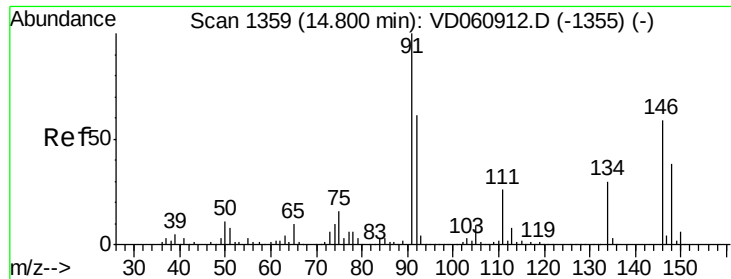
Tot Ion: 91 Resp: 585158
Ion Ratio Lower Upper
91 100
92 61.8 30.6 91.6
134 22.4 12.0 36.0



#90
Hexachloroethane
Concen: 17.967 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion: 117 Resp: 162157
Ion Ratio Lower Upper
117 100
201 71.7 37.8 113.4

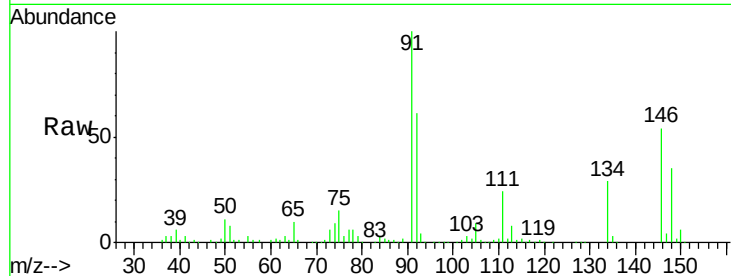




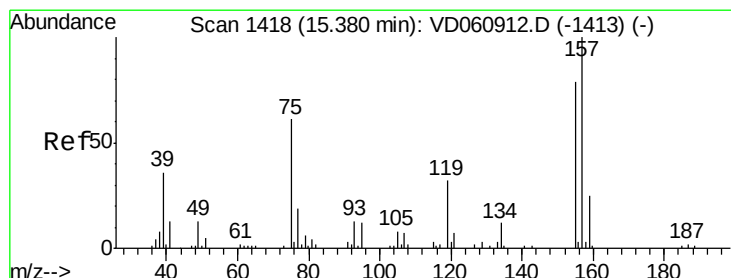
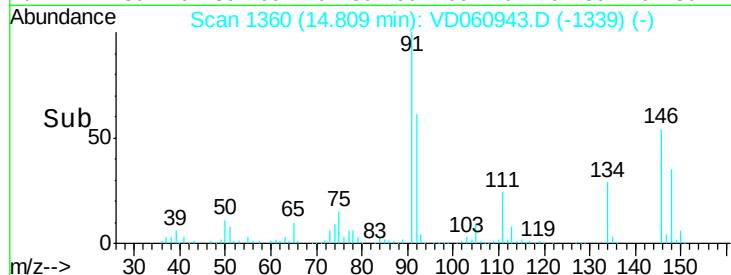
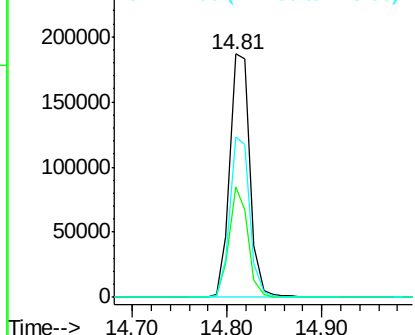
#91
 1,2-Dichlorobenzene
 Concen: 18.895 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Tot Ion:146 Resp: 277483
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.1 66.3
 148 65.8 32.1 96.5

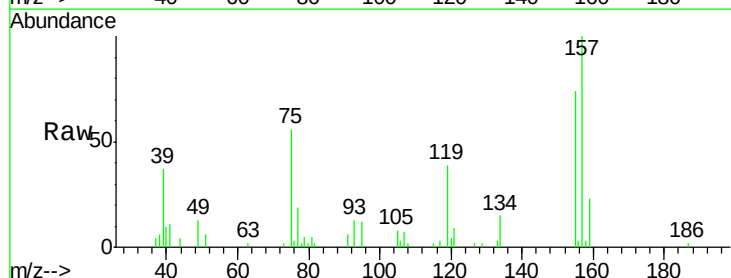


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

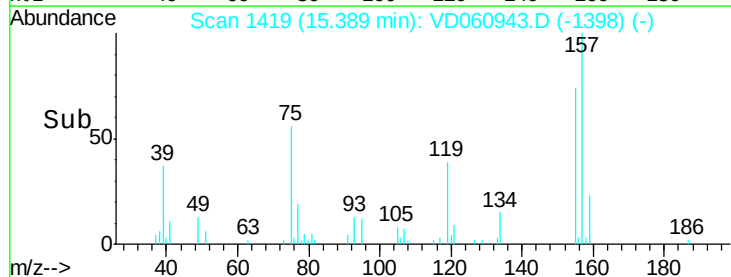
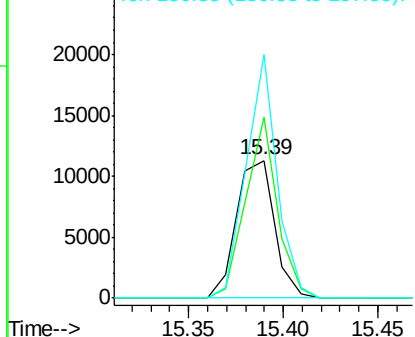


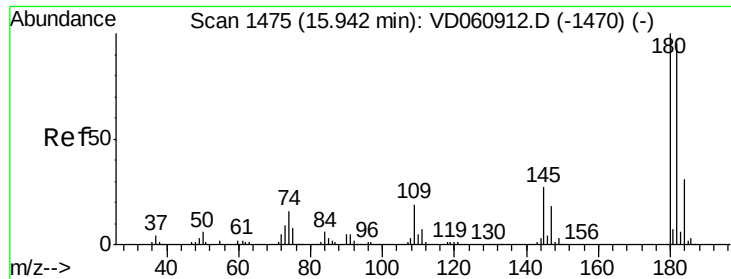
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.938 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion: 75 Resp: 15690
 Ion Ratio Lower Upper
 75 100
 155 131.6 65.0 195.0
 157 177.2 81.8 245.3



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

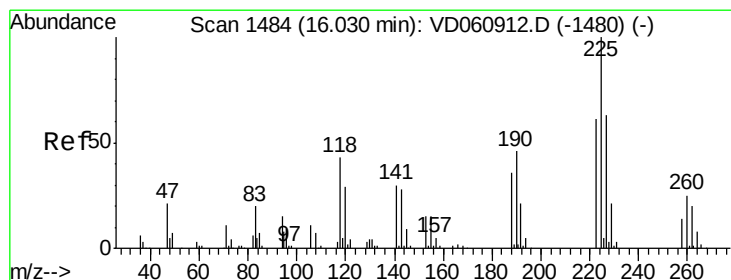
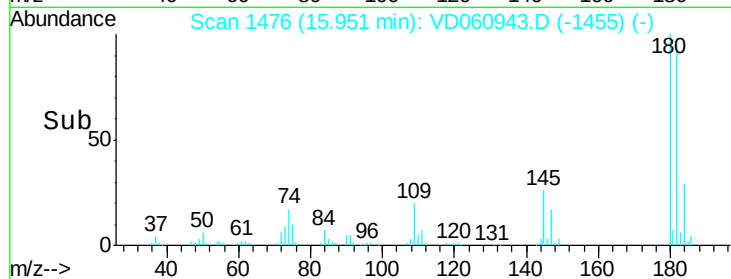
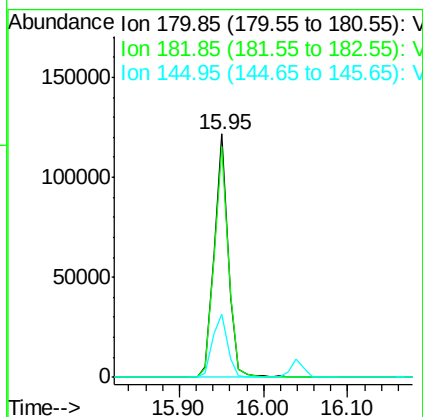
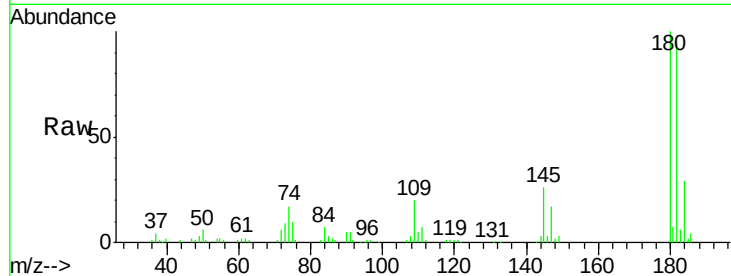




#93
 1,2,4-Trichlorobenzene
 Concen: 16.522 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

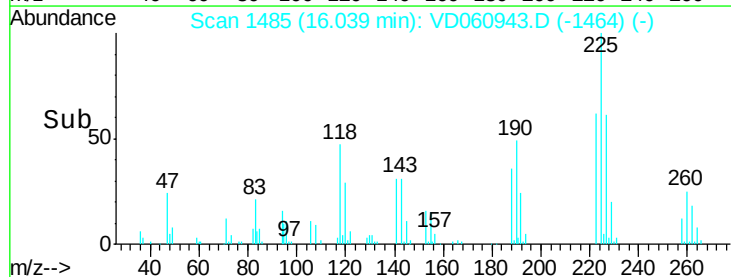
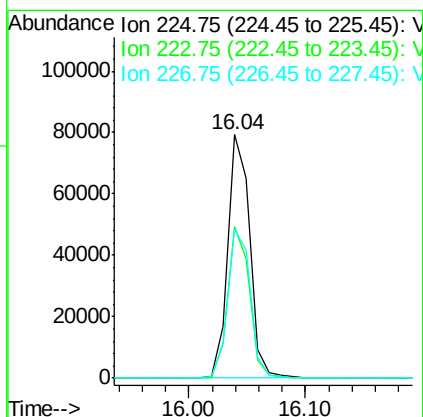
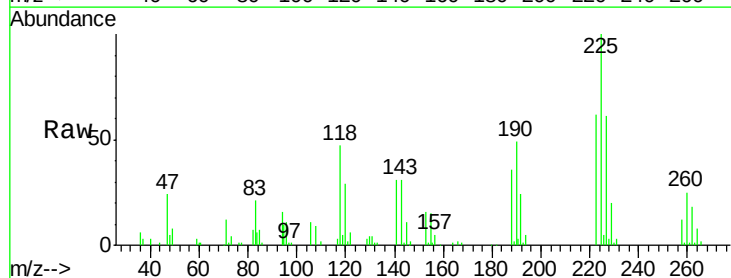
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

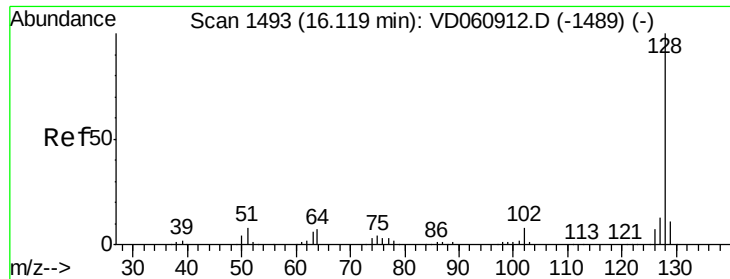
Tot Ion:180 Resp: 140886
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.5 142.6
 145 26.2 13.5 40.5



#94
 Hexachlorobutadiene
 Concen: 18.941 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Tgt Ion:225 Resp: 103669
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.4 91.3
 227 61.3 31.4 94.2

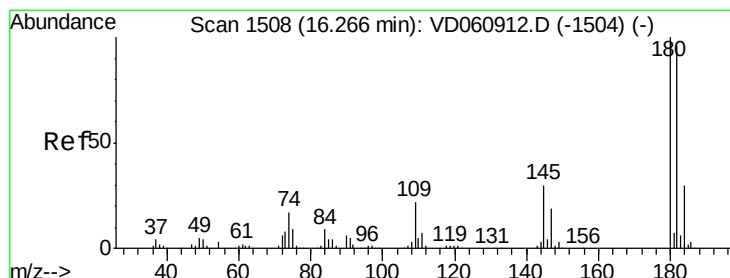
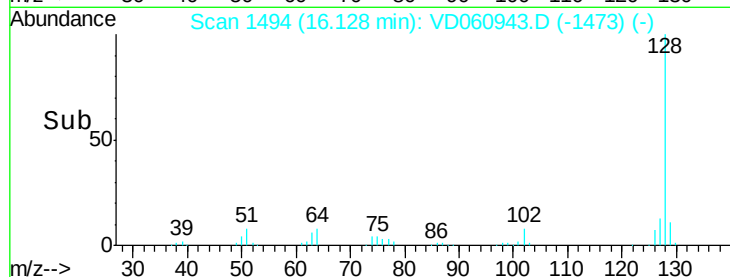
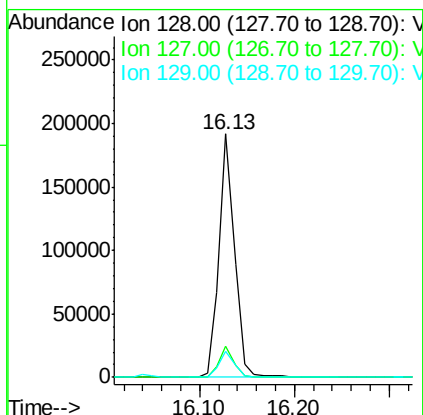
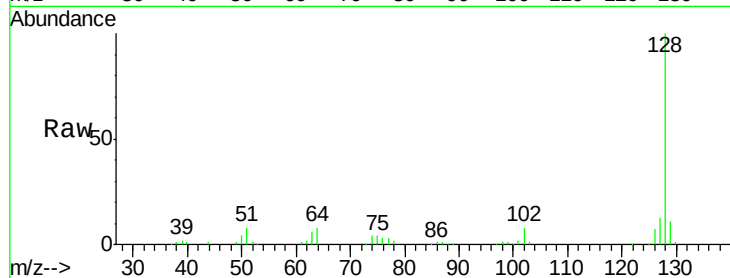




#95
Naphthalene
Concen: 16.412 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Tot Ion:128 Resp: 217939
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 16.735 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Tgt Ion:180 Resp: 80140
Ion Ratio Lower Upper
180 100
182 94.2 48.1 144.4
145 29.2 14.8 44.4

