

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 04:24:22 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	282238	45.80	ug/l	0.02
Spiked Amount			Recovery	=	91.60%	
35) Dibromofluoromethane	6.94	113	469917	43.57	ug/l	0.03
Spiked Amount			Recovery	=	87.14%	
50) Toluene-d8	10.42	98	1162598	43.32	ug/l	0.02
Spiked Amount			Recovery	=	86.64%	
62) 4-Bromofluorobenzene	13.56	95	450364	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	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

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 : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Quant Time: Mar 06 04:24:22 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)
39) Methylcyclohexane	8.87	83	267025	19.749	ug/l	97
40) Benzene	7.46	78	571146	18.131	ug/l	100
41) Methacrylonitrile	6.46	41	69608m	17.523	ug/l	
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

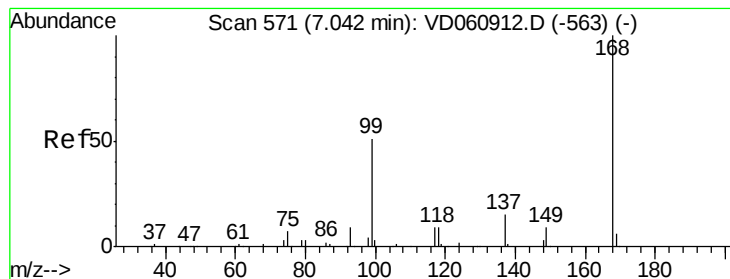
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
Data File : VD060943.D
Acq On : 5 Mar 2019 12:39
Operator : VA/AP
Sample : VD0305SBS01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

Quant Time: Mar 06 04:24:22 2019
Quant Method : Z:\V0ASRV\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)
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



#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 :

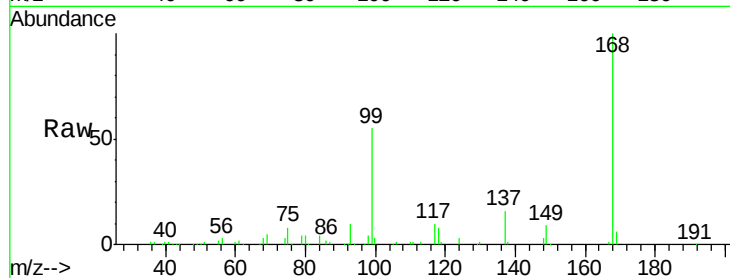
VD0305SBS01

Tot Ion:168 Resp: 745391

Ion Ratio Lower Upper

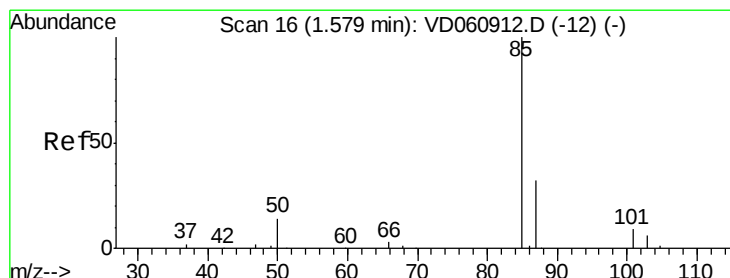
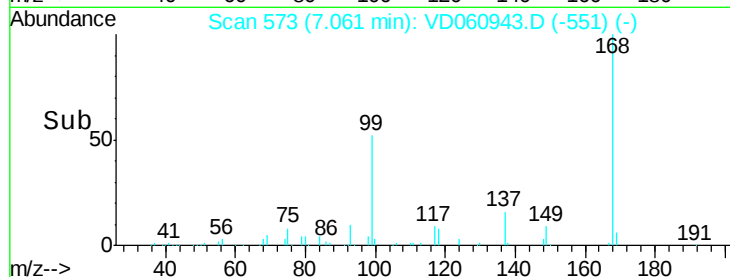
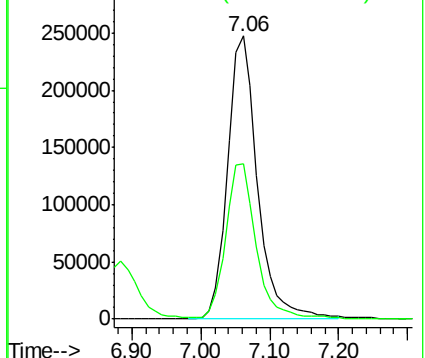
168 100

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

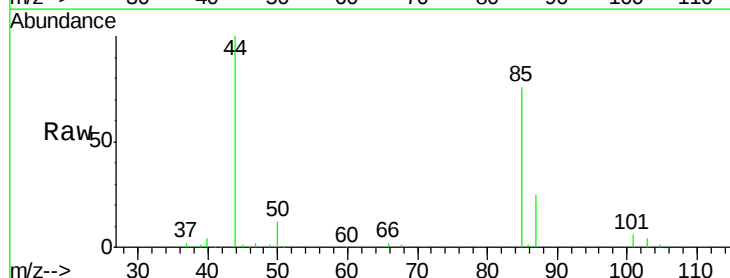
Acq: 5 Mar 2019 12:39

Tgt Ion: 85 Resp: 174034

Ion Ratio Lower Upper

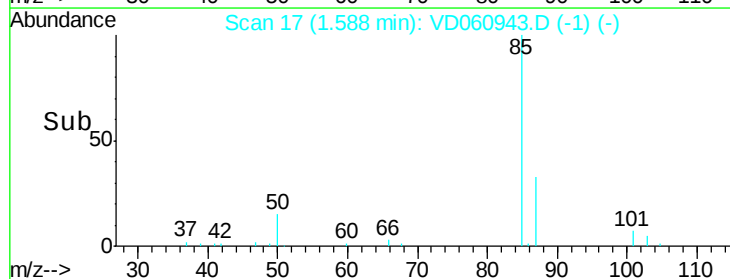
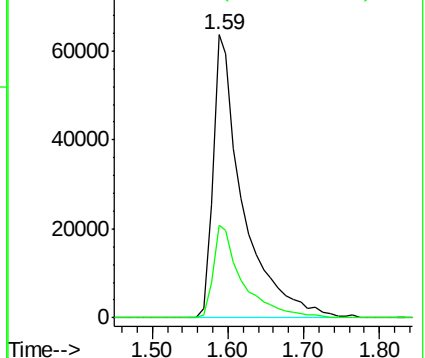
85 100

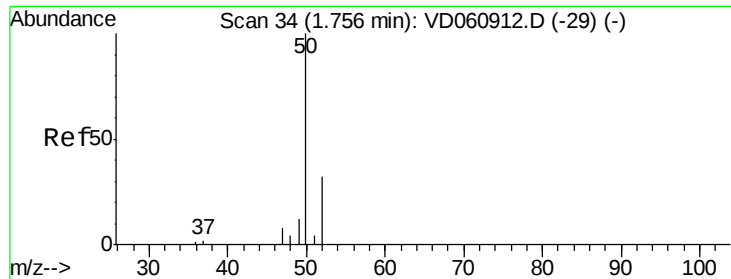
87 32.9 16.3 48.8



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 :

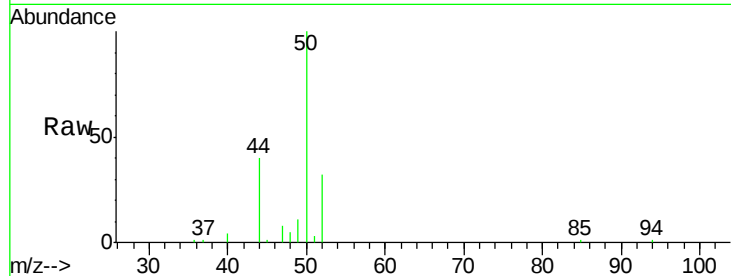
VD0305SBS01

Tot Ion: 50 Resp: 136455

Ion Ratio Lower Upper

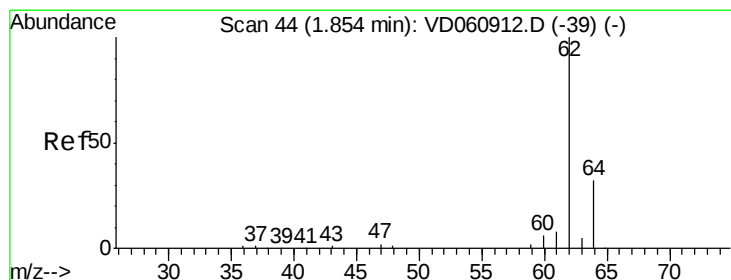
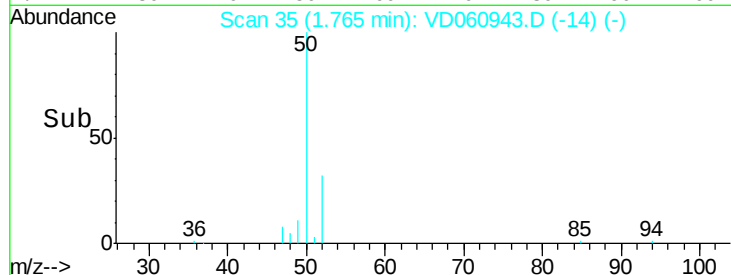
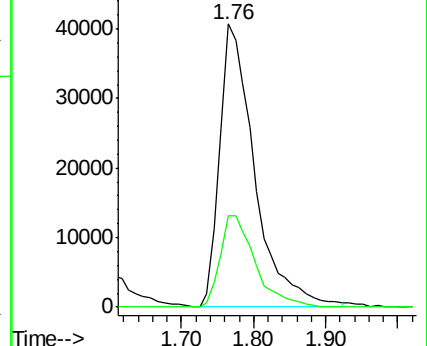
50 100

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

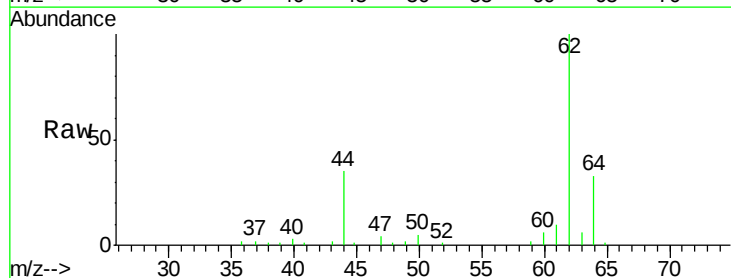
Acq: 5 Mar 2019 12:39

Tgt Ion: 62 Resp: 121626

Ion Ratio Lower Upper

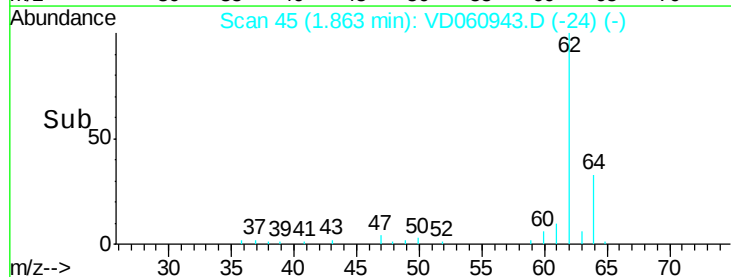
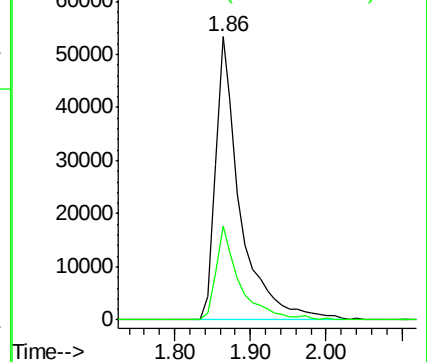
62 100

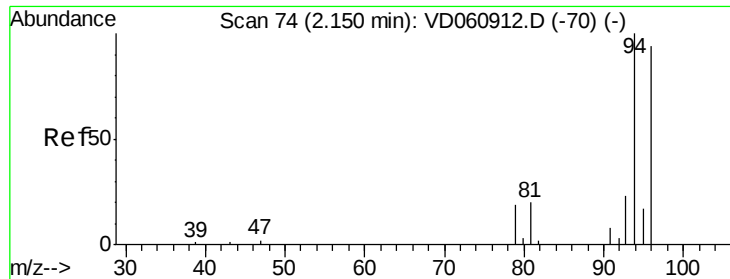
64 33.4 25.4 38.2



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

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

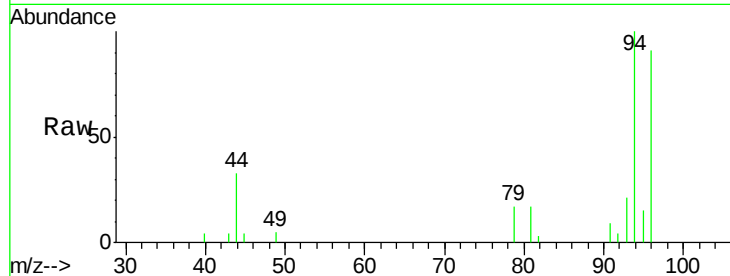
Tot Ion: 94 Resp: 16670

Ion Ratio Lower Upper

94 100

96 90.7 75.1 112.7

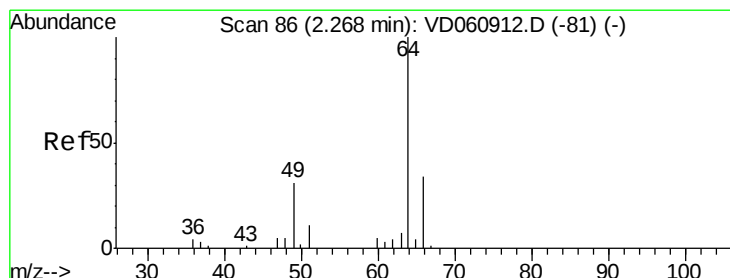
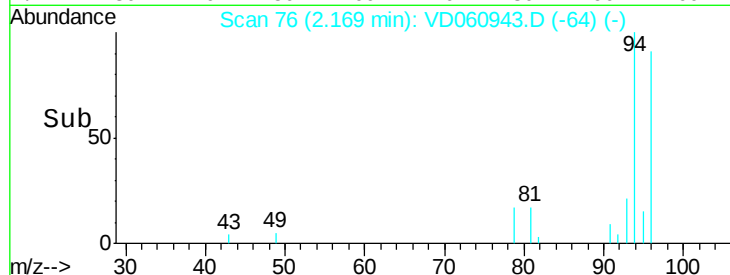
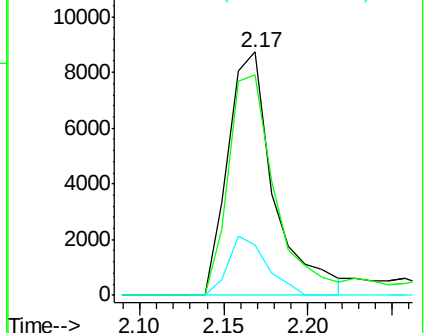
93 20.9 18.6 28.0



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

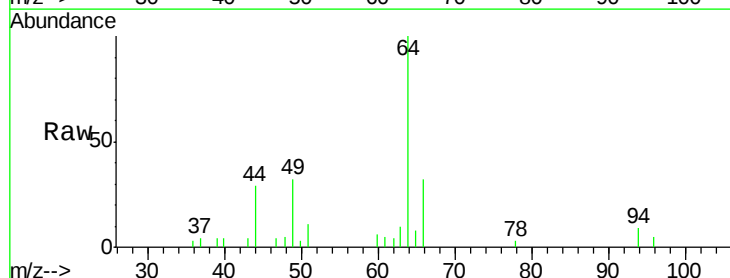
Acq: 5 Mar 2019 12:39

Tgt Ion: 64 Resp: 25302

Ion Ratio Lower Upper

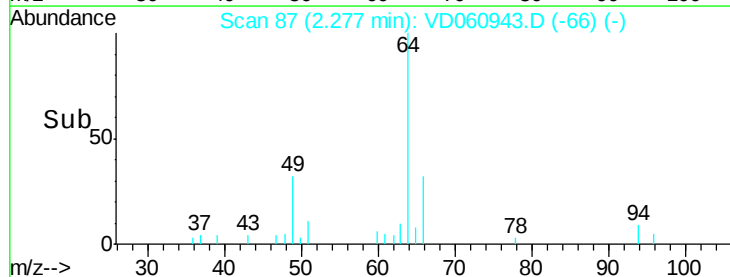
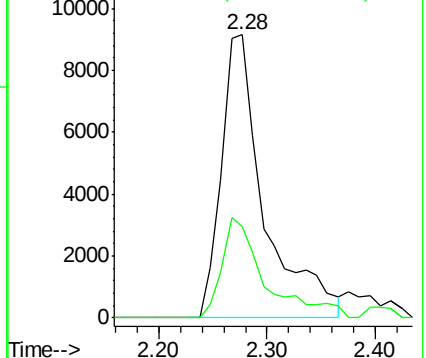
64 100

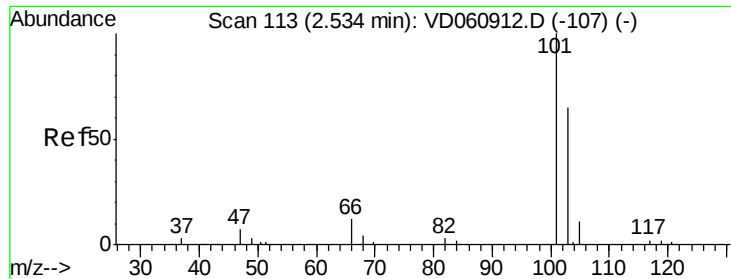
66 32.5 27.0 40.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



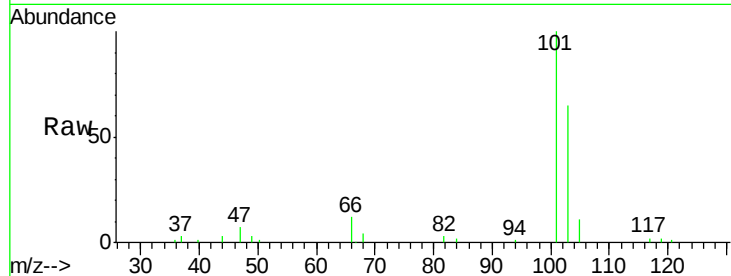


#7

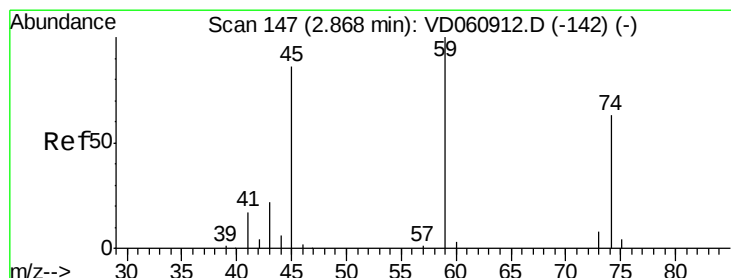
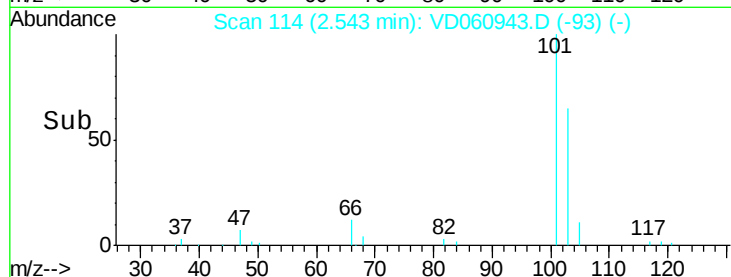
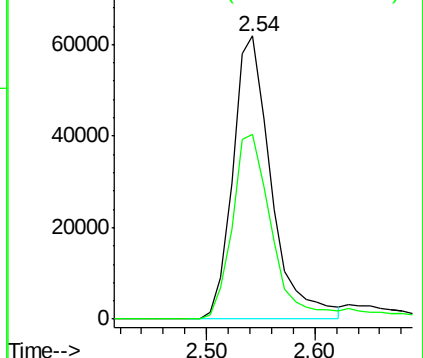
Trichlorofluoromethane
 Concen: 20.518 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

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



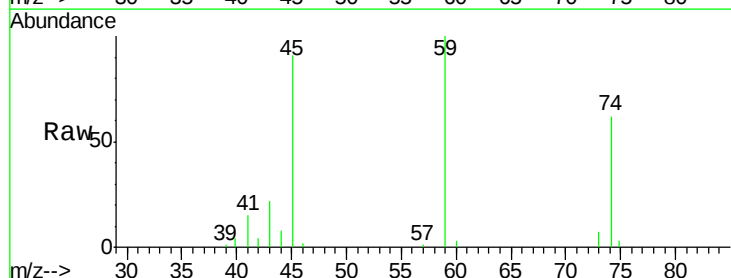
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



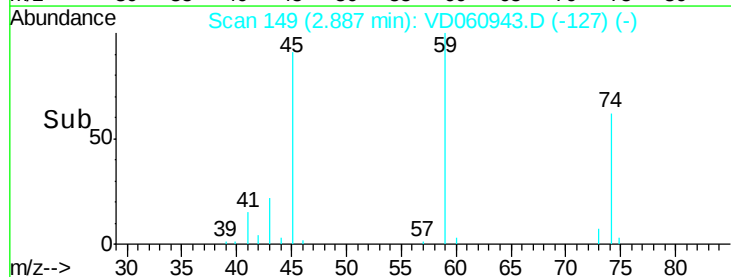
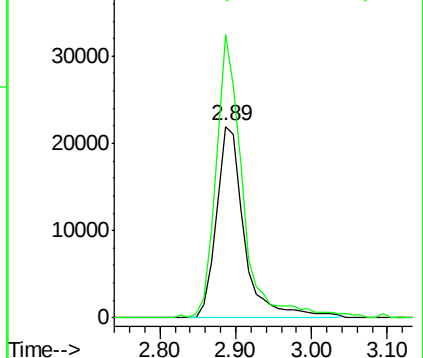
#8

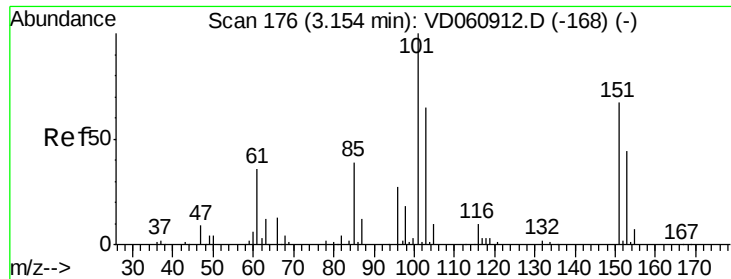
Diethyl Ether
 Concen: 17.305 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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

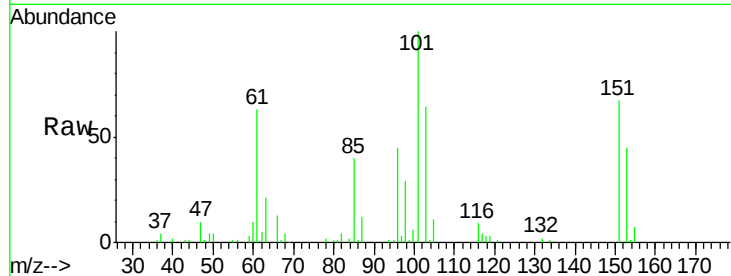




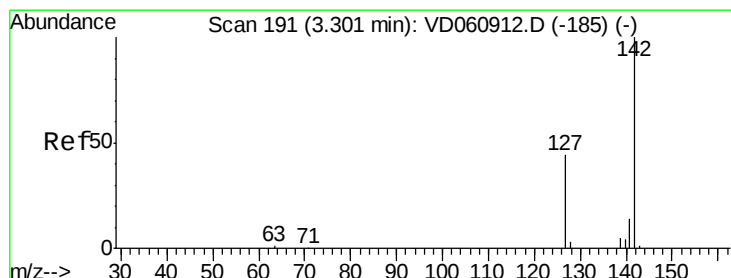
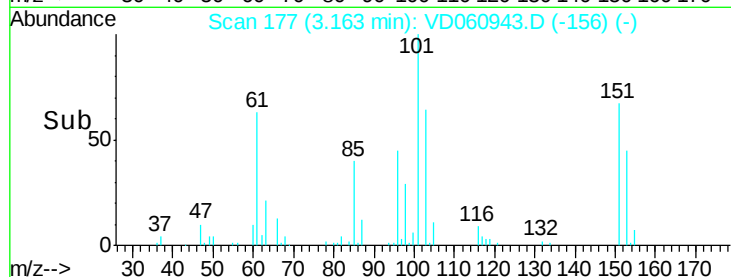
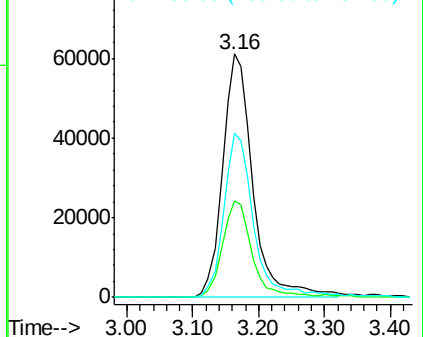
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.439 ug/l
 RT: 3.16 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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

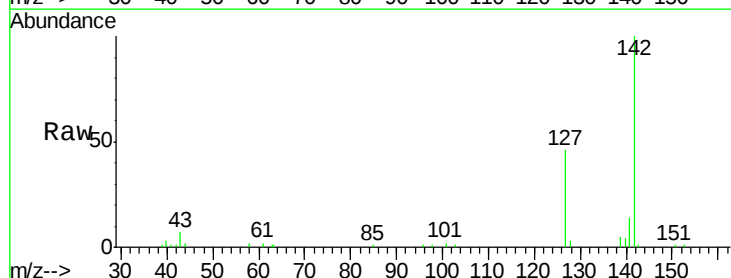


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

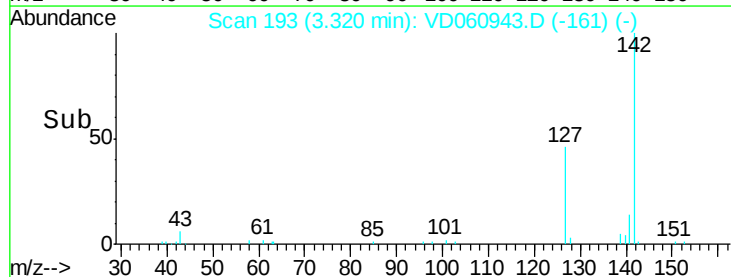
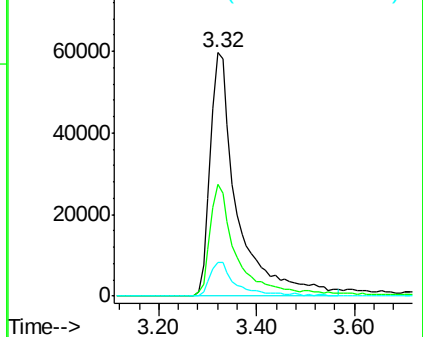


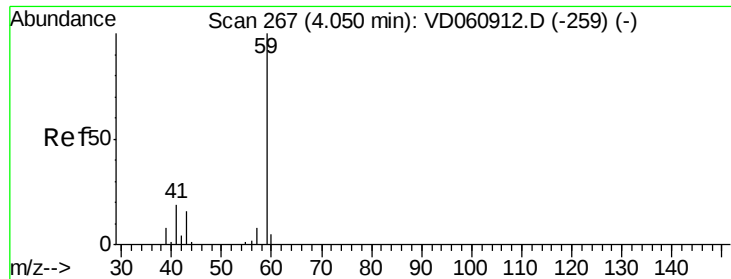
#10
 Methyl Iodide
 Concen: 19.182 ug/l
 RT: 3.32 min Scan# 193
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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



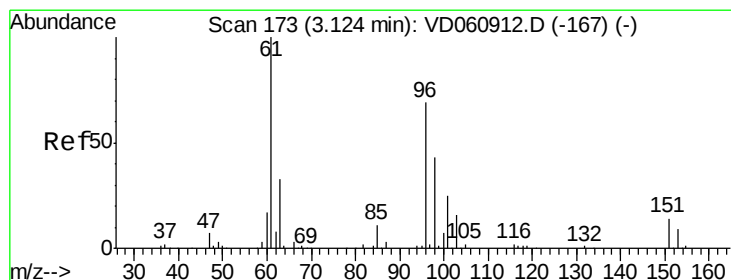
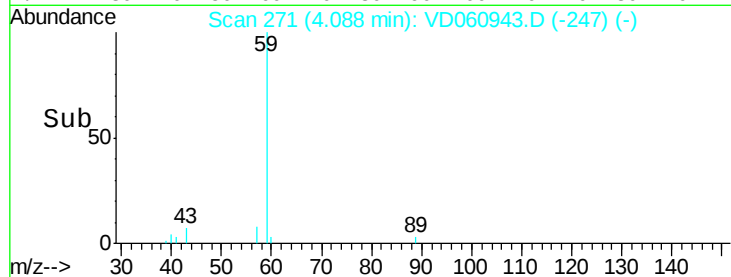
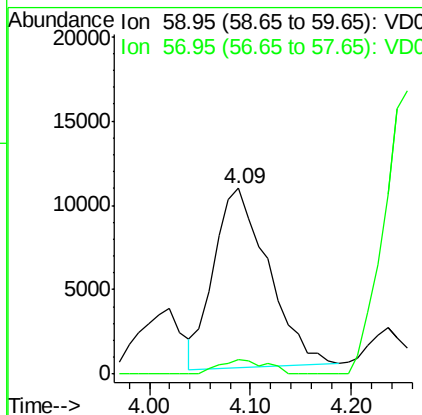
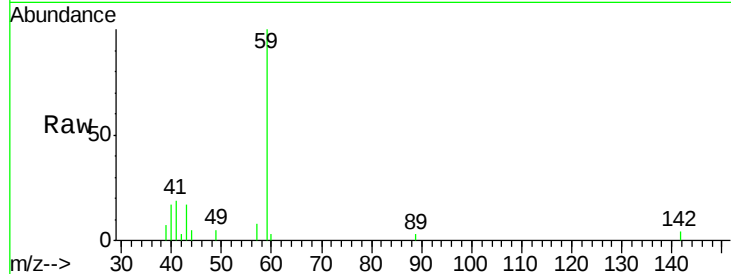


#11

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

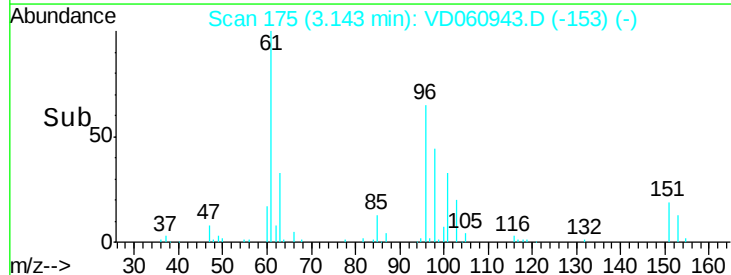
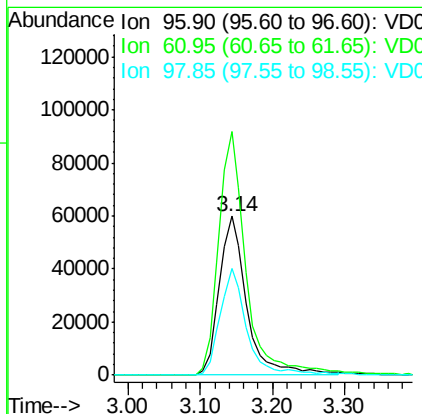
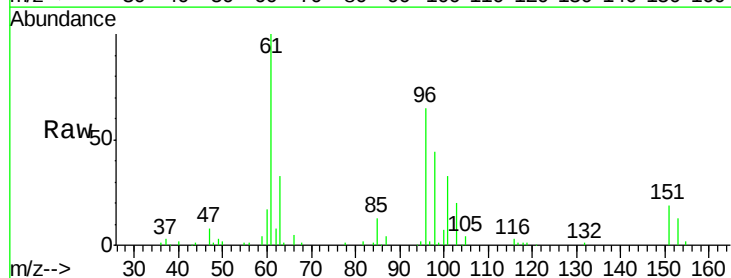
Tot Ion: 59 Resp: 39790
Ion Ratio Lower Upper
59 100
57 8.1 6.5 9.7

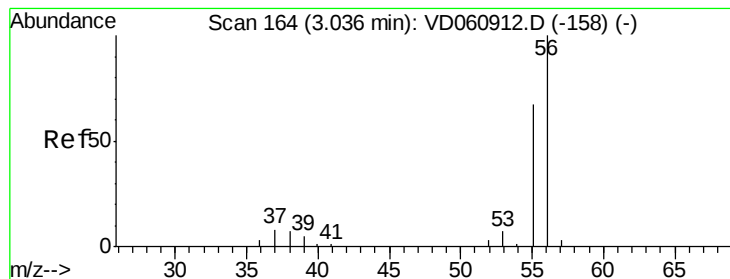


#12

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 :

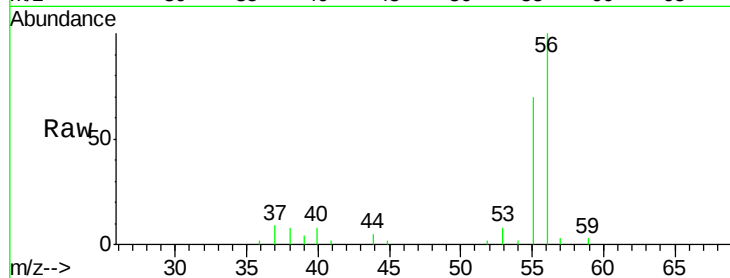
VD0305SBS01

Tot Ion: 56 Resp: 57015

Ion Ratio Lower Upper

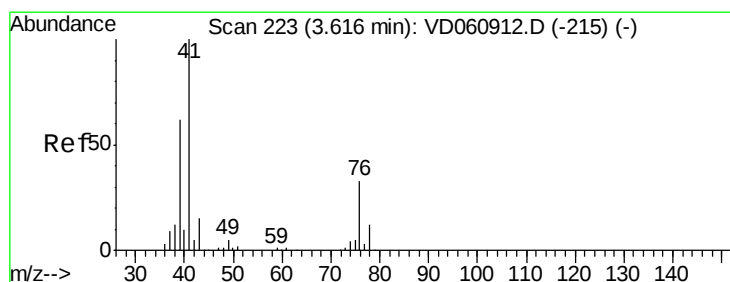
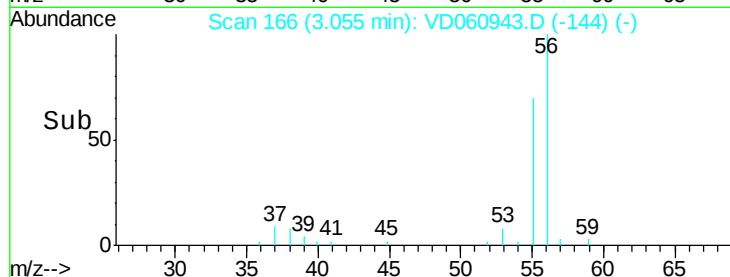
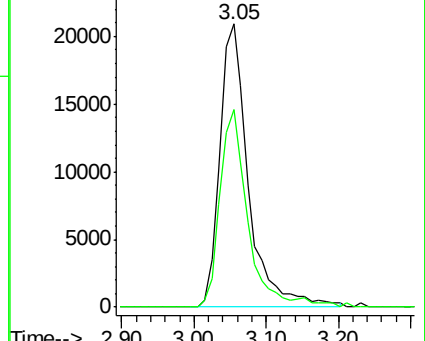
56 100

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

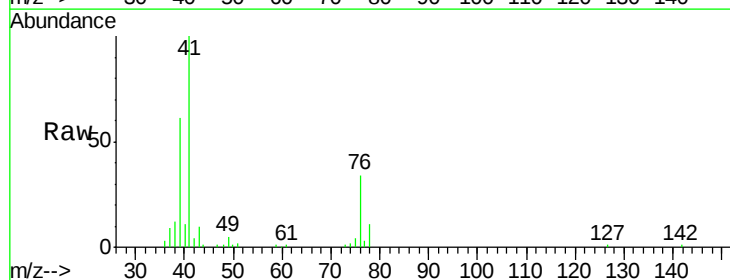
Tgt Ion: 41 Resp: 264852

Ion Ratio Lower Upper

41 100

39 61.2 49.9 74.9

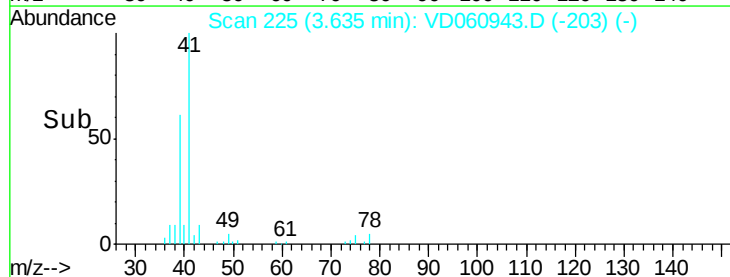
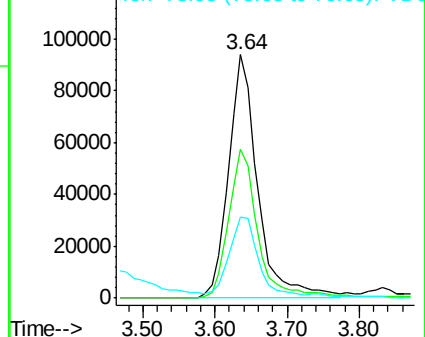
76 33.5 28.6 42.8

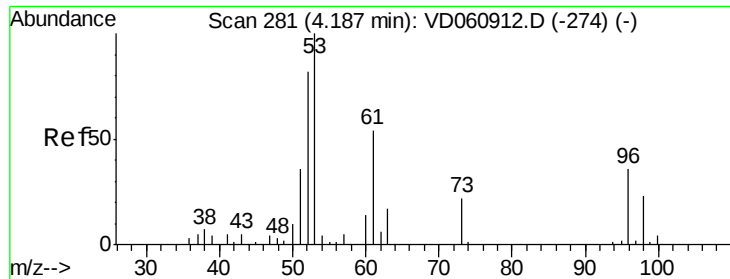


Abundance Ion 41.05 (40.75 to 41.75): VDC

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

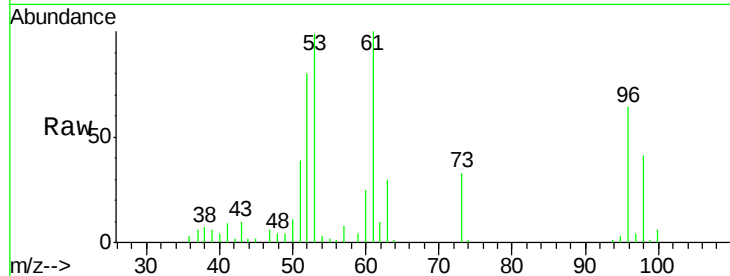
Tot Ion: 53 Resp: 150108

Ion Ratio Lower Upper

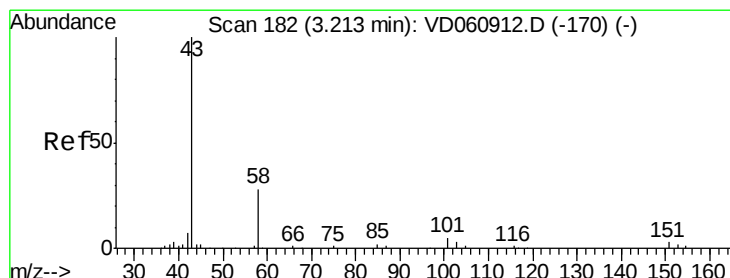
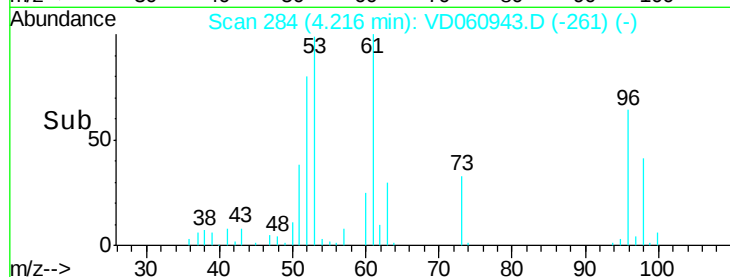
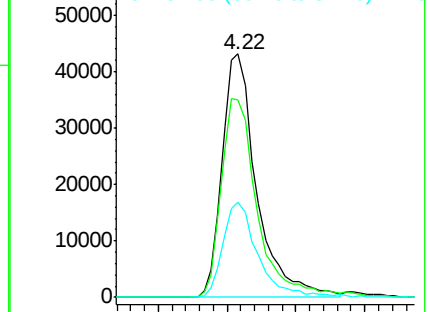
53 100

52 81.1 65.8 98.6

51 38.9 28.9 43.3



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



#16

Acetone

Concen: 97.770 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD060943.D

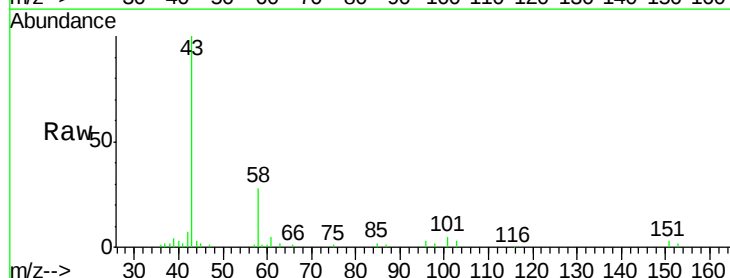
Acq: 5 Mar 2019 12:39

Tgt Ion: 43 Resp: 201157

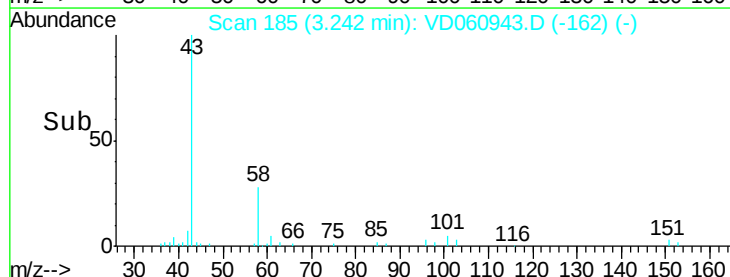
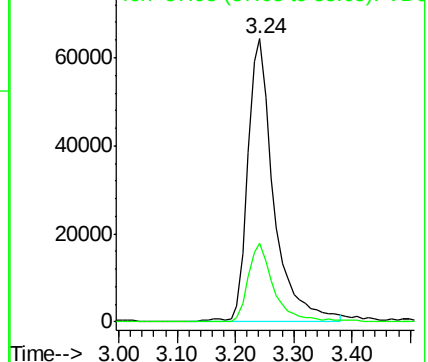
Ion Ratio Lower Upper

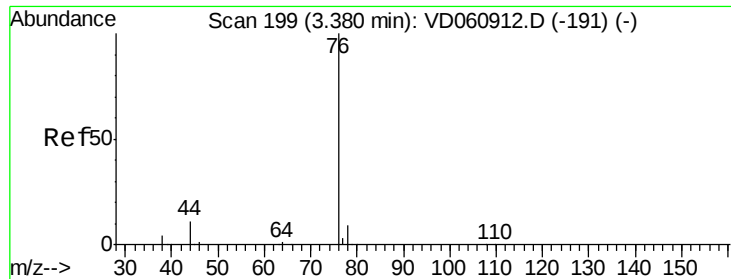
43 100

58 28.0 22.8 34.2



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

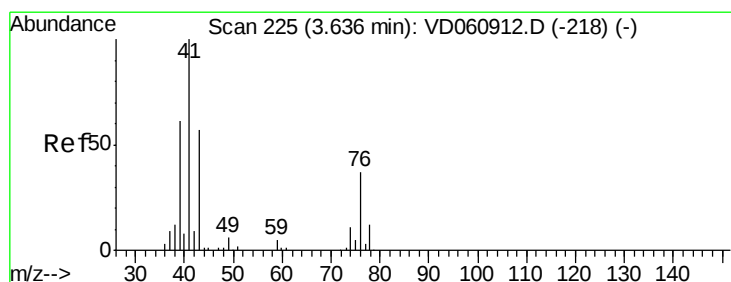
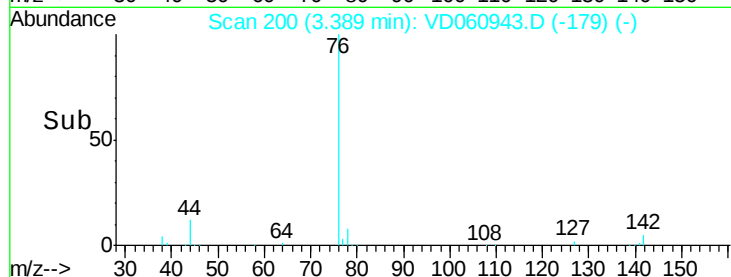
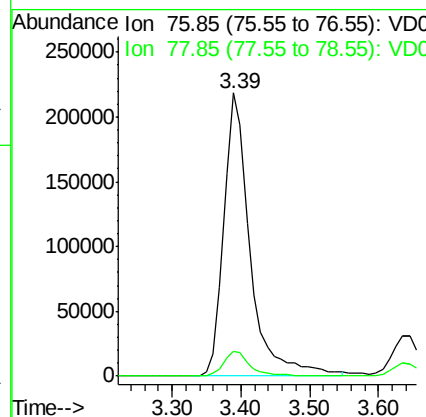
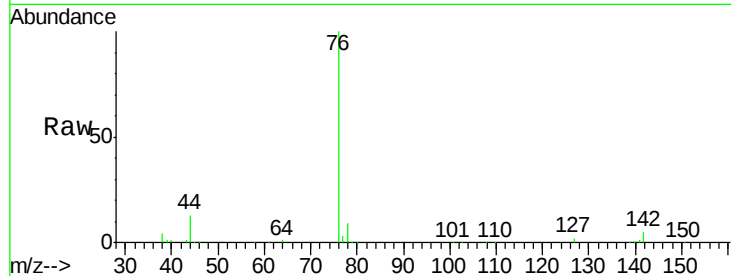




#17
Carbon Disulfide
Concen: 19.092 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

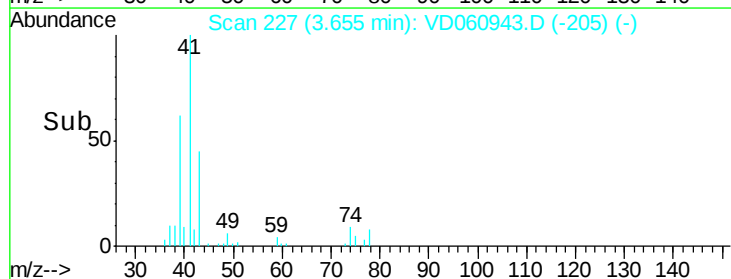
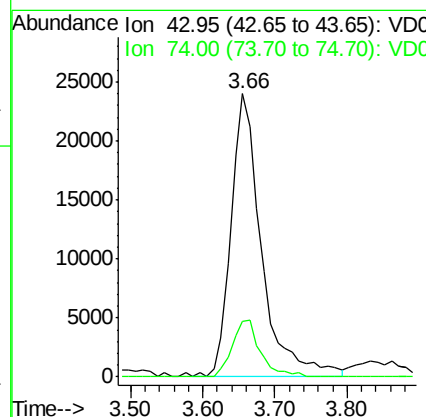
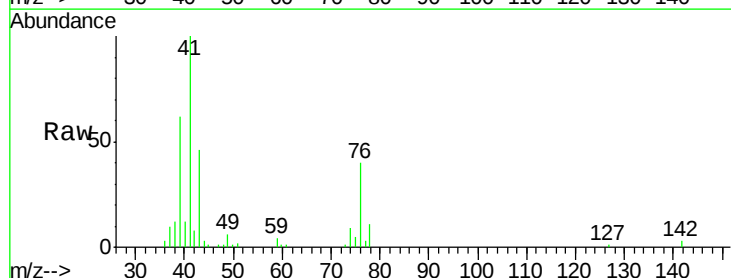
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

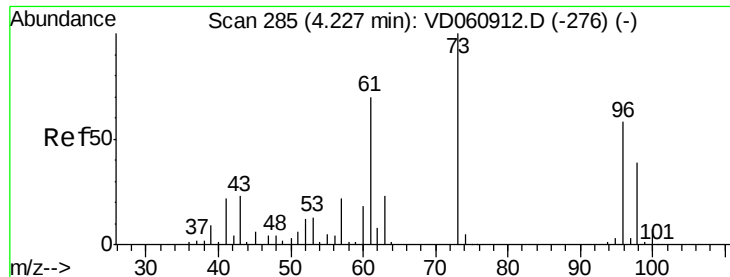
Tot Ion: 76 Resp: 578721
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#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

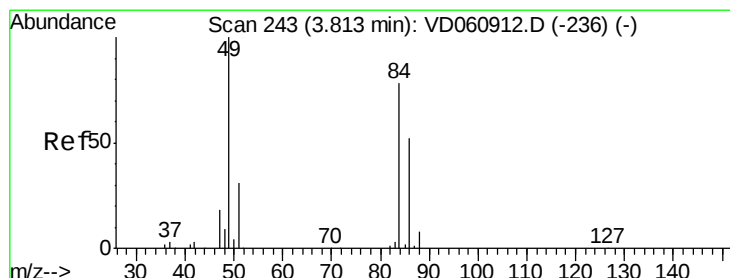
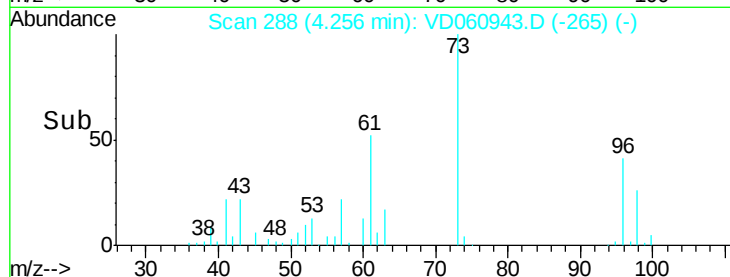
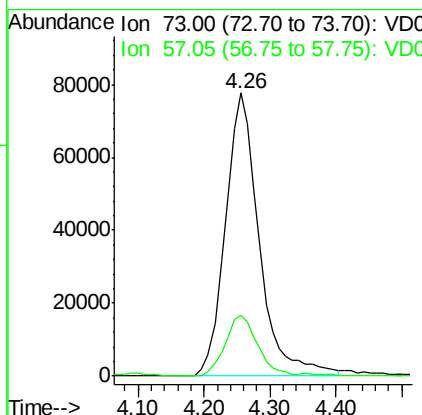
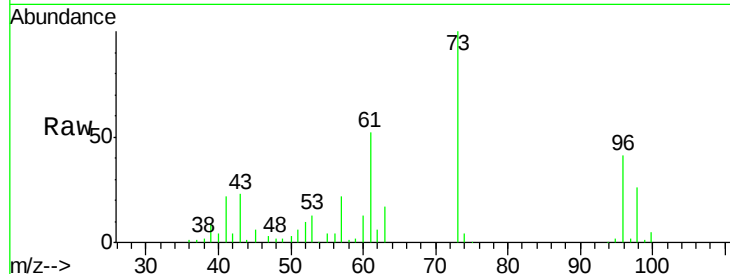




#19
Methyl tert-butyl Ether
Concen: 18.547 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

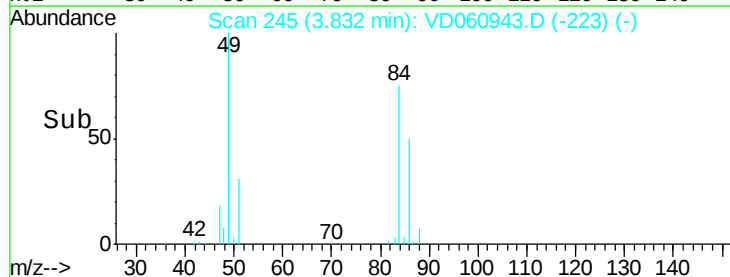
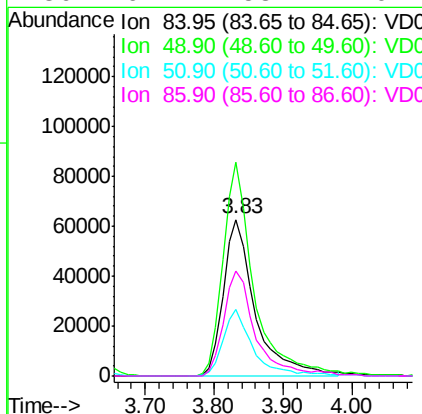
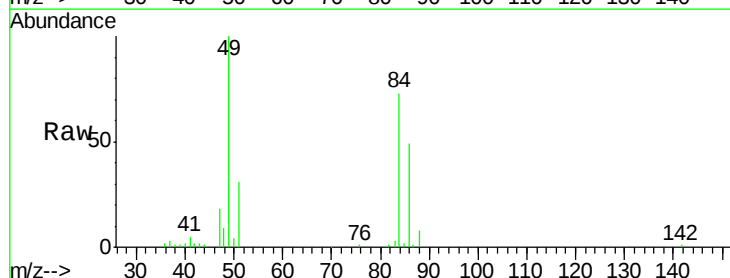
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

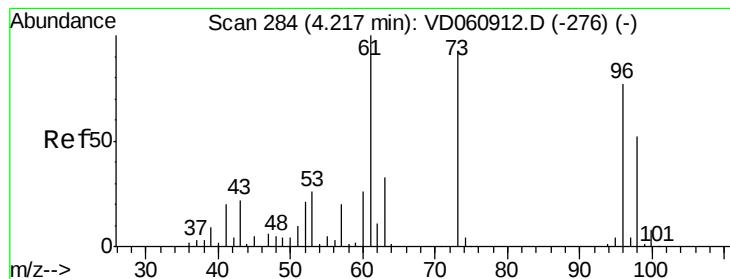
Tot Ion: 73 Resp: 278969
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.6



#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





#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

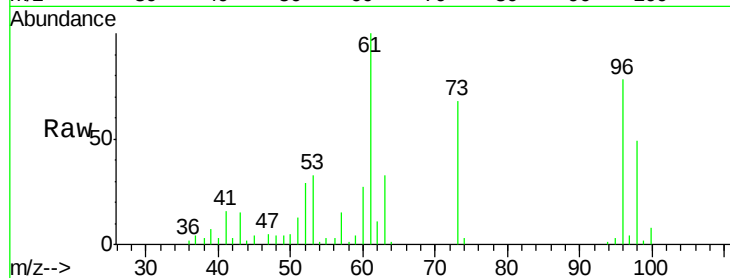
Tot Ion: 96 Resp: 174361

Ion Ratio Lower Upper

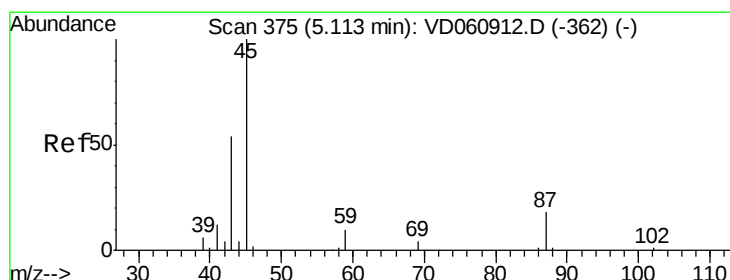
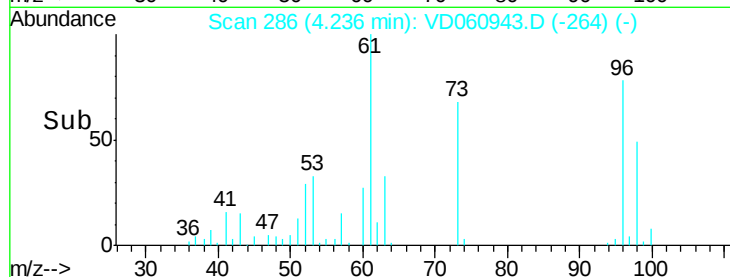
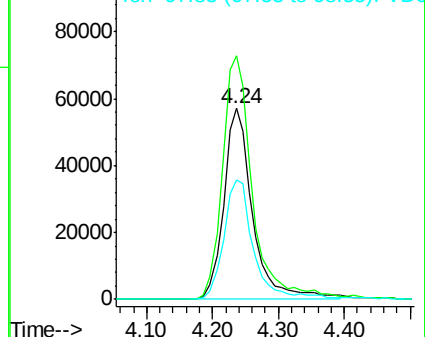
96 100

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

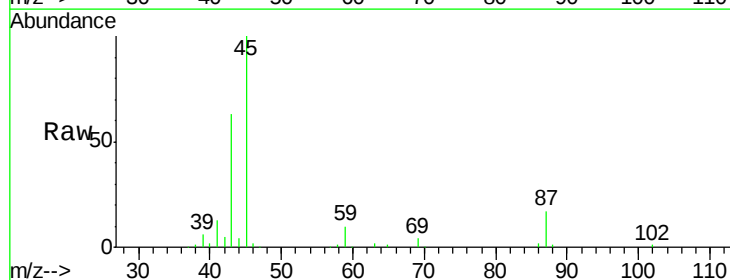
Ion Ratio Lower Upper

45 100

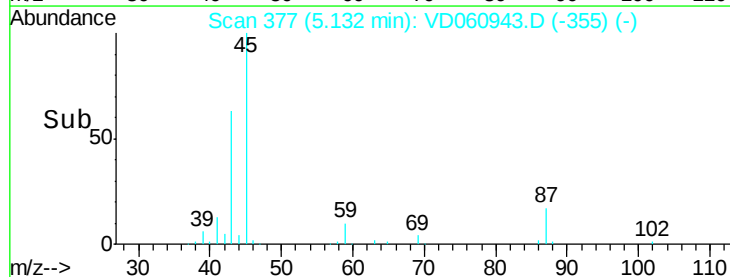
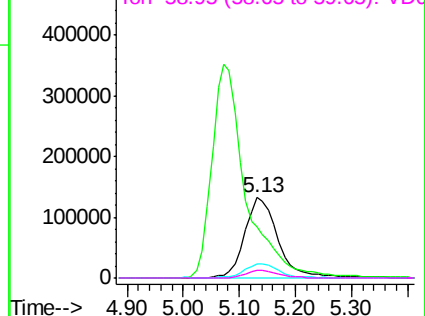
43 63.0 44.4 66.6

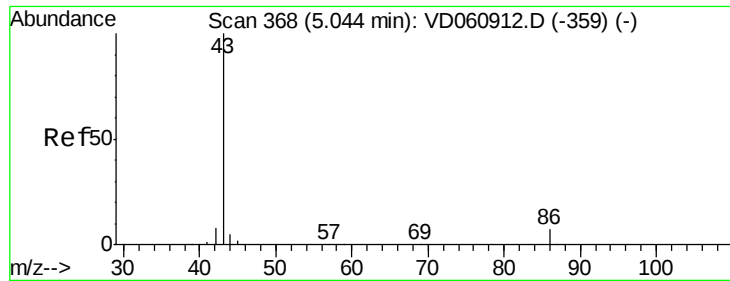
87 17.3 14.7 22.1

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 :

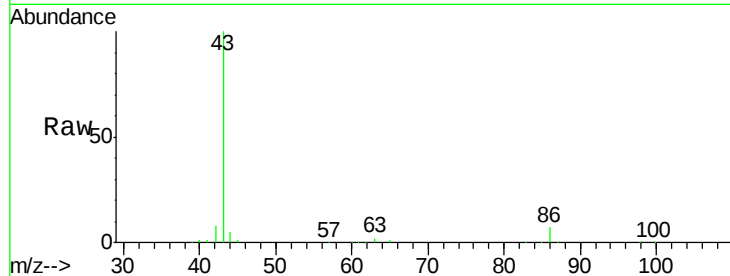
VD0305SBS01

Tot Ion: 43 Resp: 1460172

Ion Ratio Lower Upper

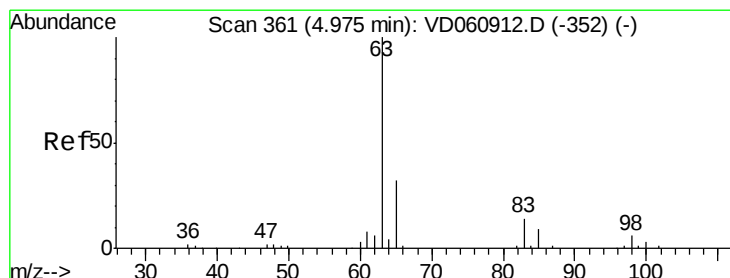
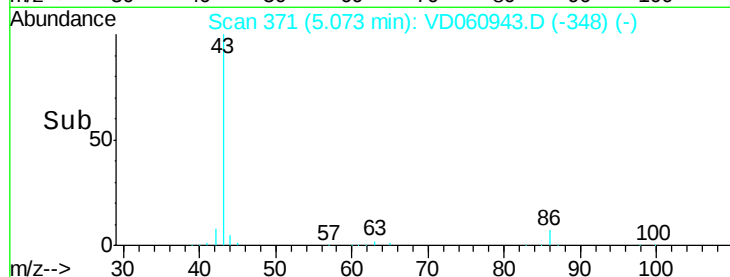
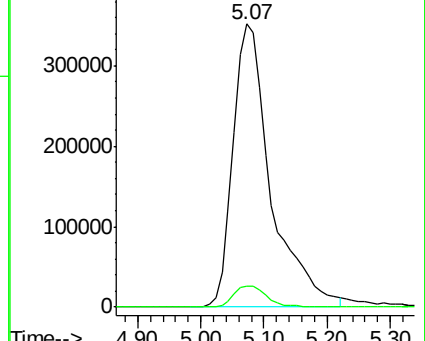
43 100

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

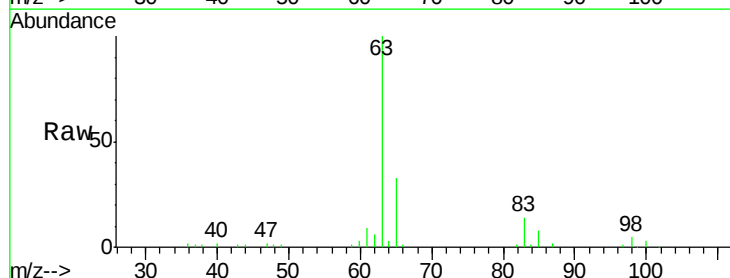
Tgt Ion: 63 Resp: 286151

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.8

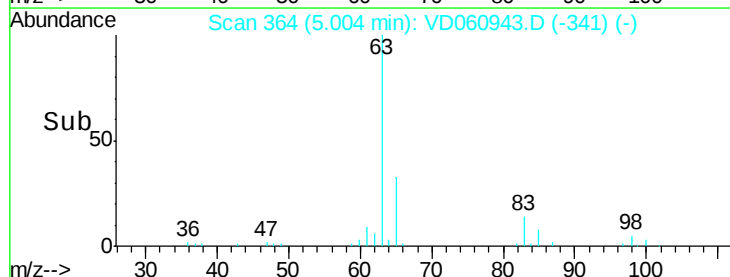
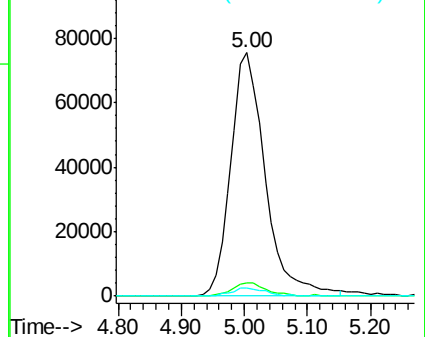
100 3.4 1.7 5.1

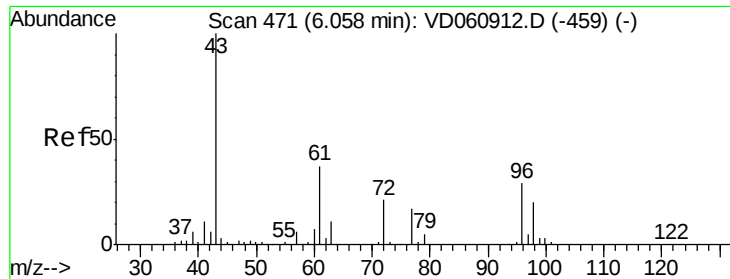


Abundance Ion 62.95 (62.65 to 63.65): VDC

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 :

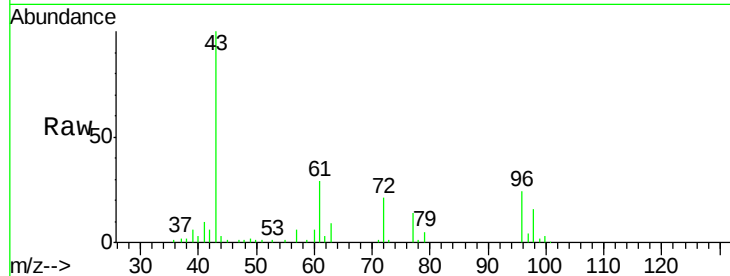
VD0305SBS01

Tot Ion: 43 Resp: 238683

Ion Ratio Lower Upper

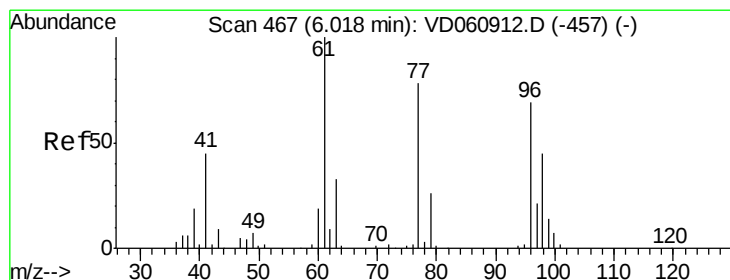
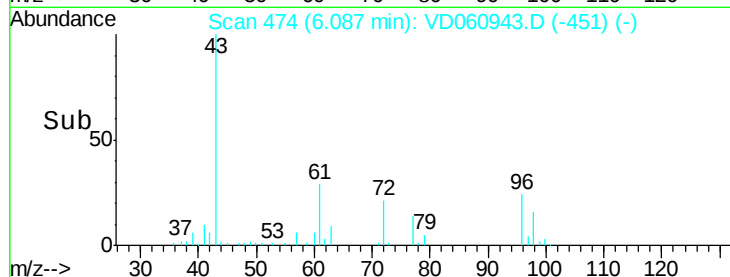
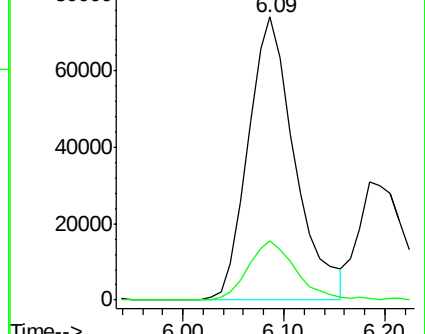
43 100

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

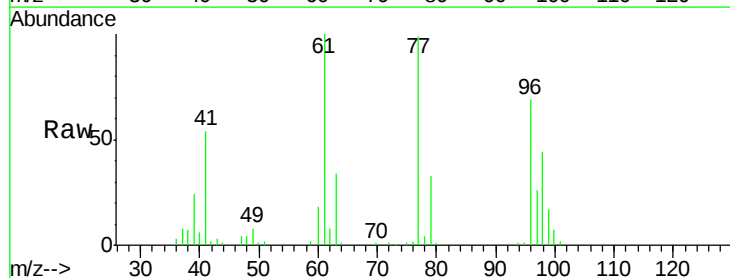
Acq: 5 Mar 2019 12:39

Tgt Ion: 77 Resp: 241110

Ion Ratio Lower Upper

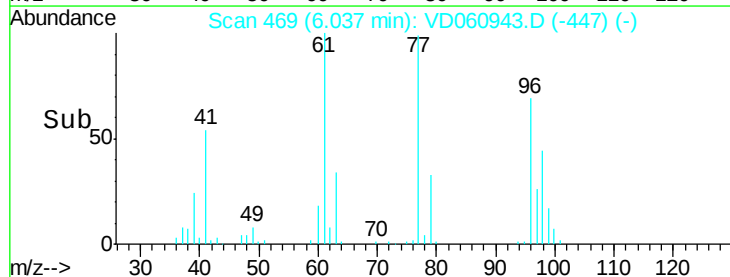
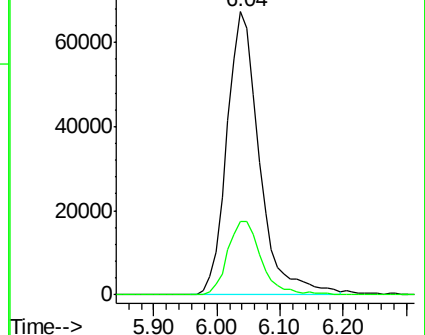
77 100

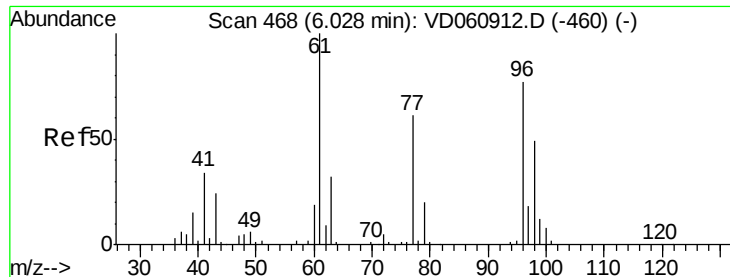
97 25.8 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



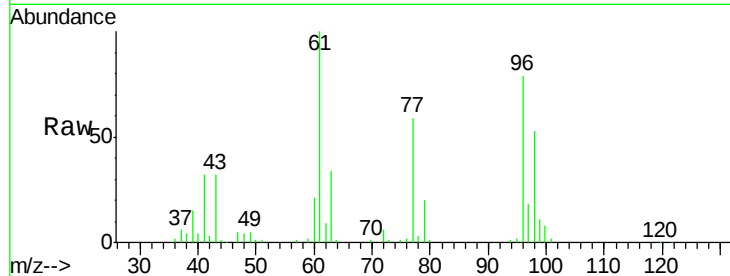


#27

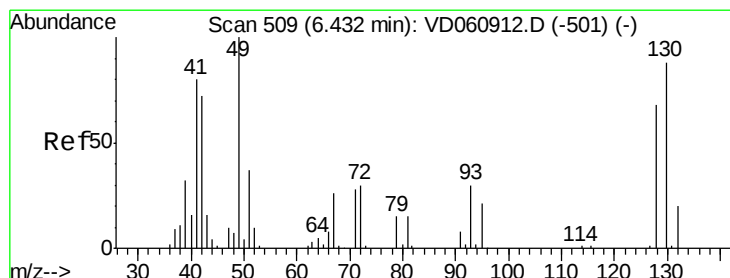
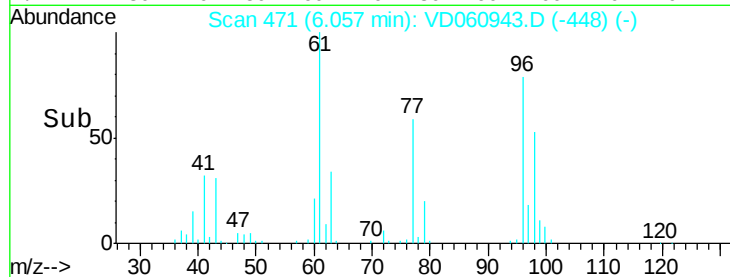
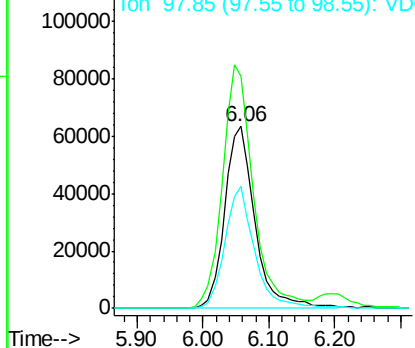
cis-1,2-Dichloroethene
Concen: 19.322 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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



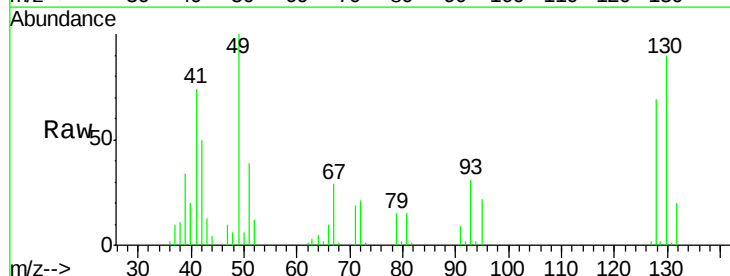
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



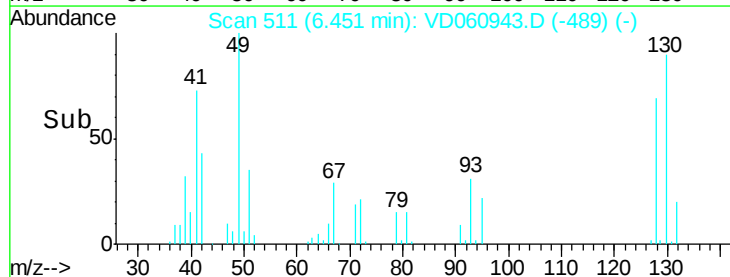
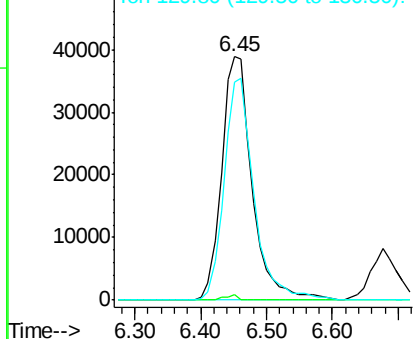
#28

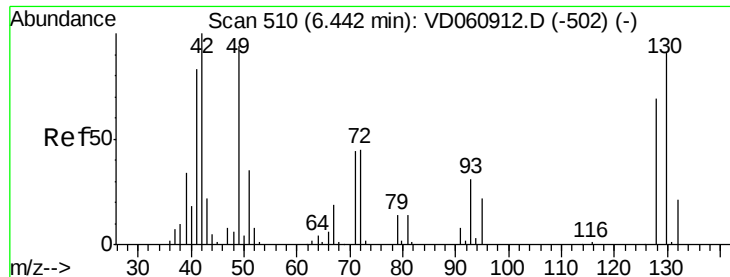
Bromochloromethane
Concen: 18.956 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

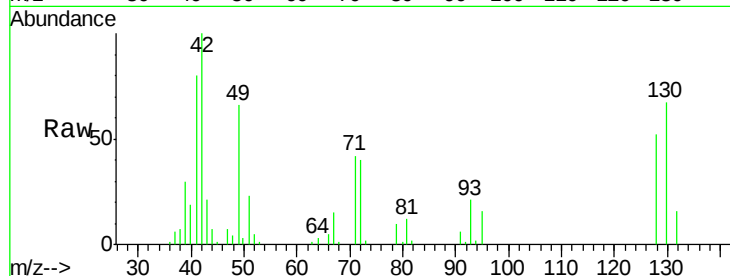




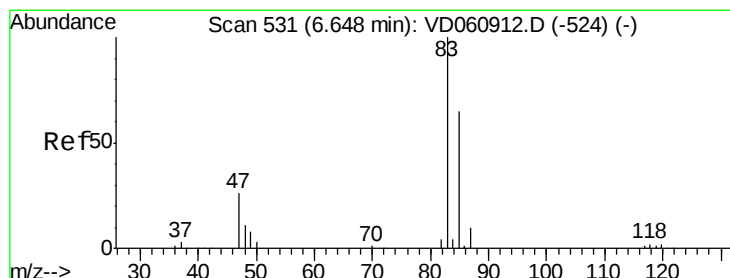
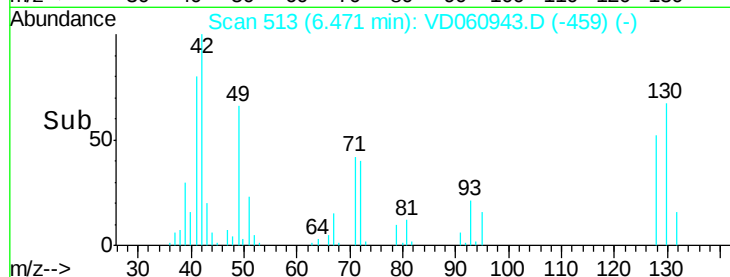
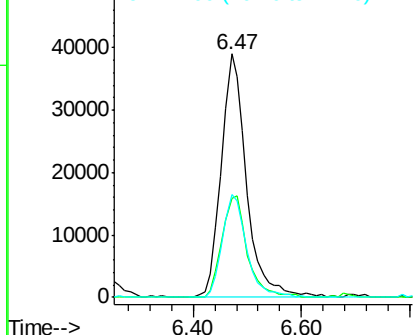
#29
Tetrahydrofuran
Concen: 95.809 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

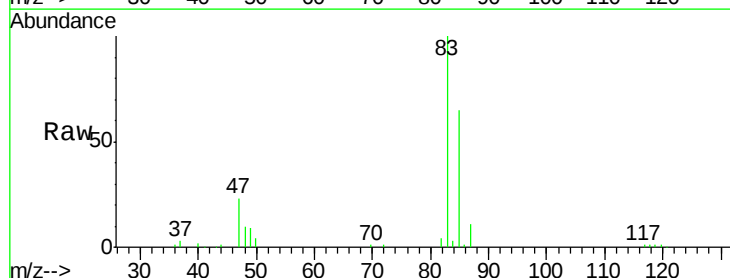


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

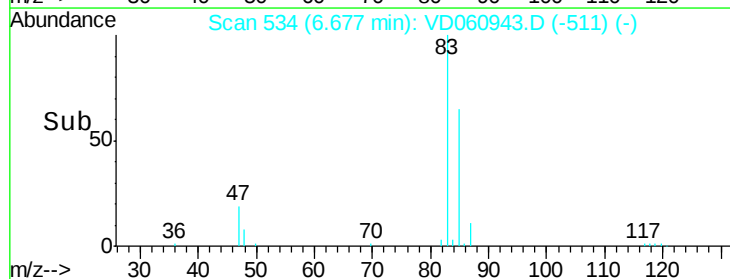
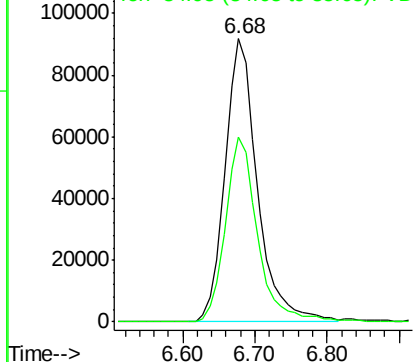


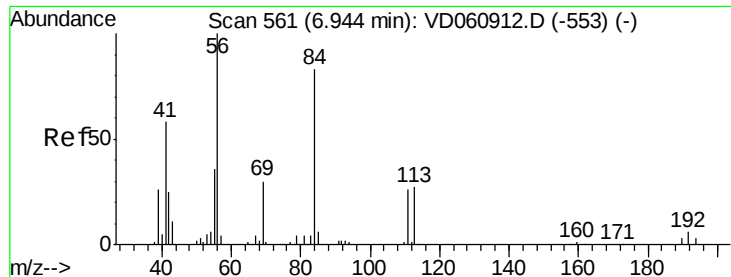
#30
Chloroform
Concen: 18.659 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

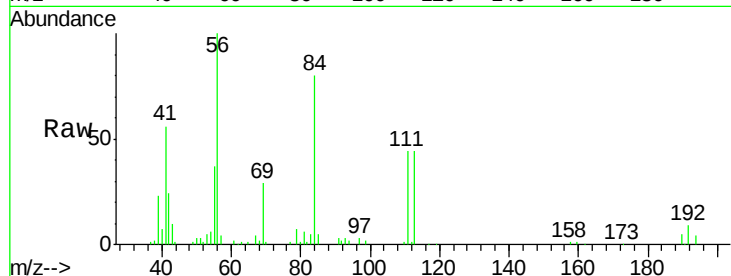
Tot Ion: 56 Resp: 261536

Ion Ratio Lower Upper

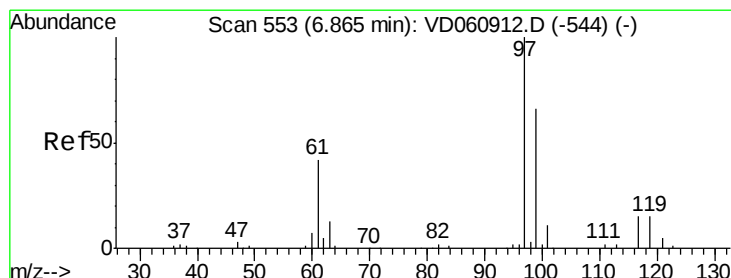
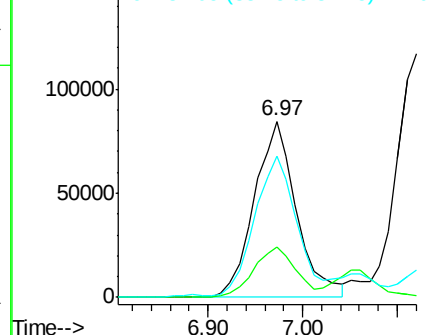
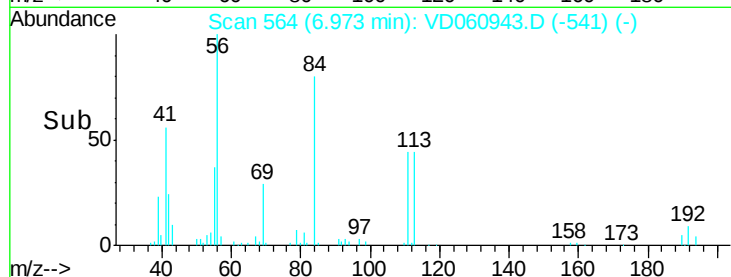
56 100

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

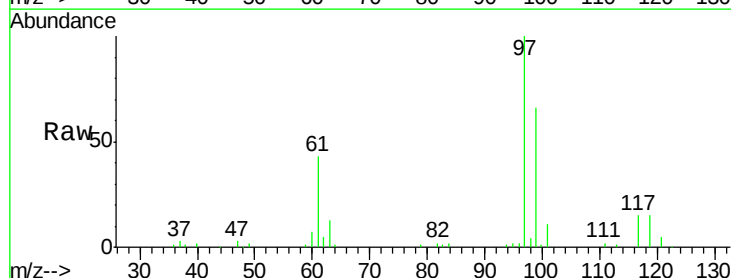
Tgt Ion: 97 Resp: 257462

Ion Ratio Lower Upper

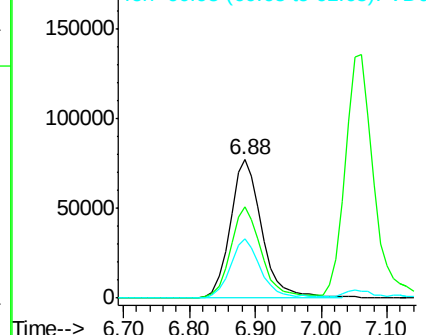
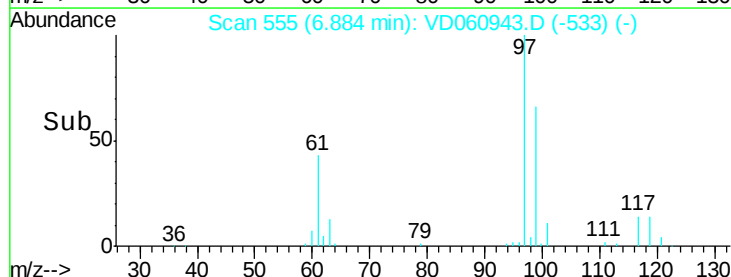
97 100

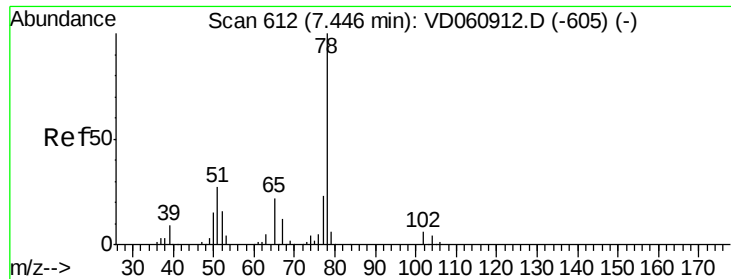
99 66.3 52.8 79.2

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 :

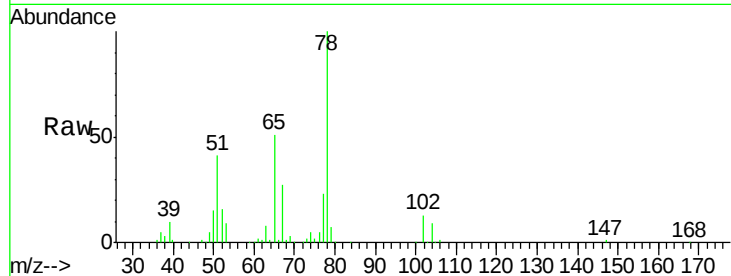
VD0305SBS01

Tot Ion: 65 Resp: 282238

Ion Ratio Lower Upper

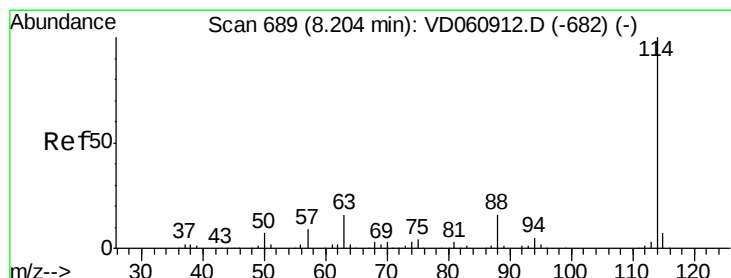
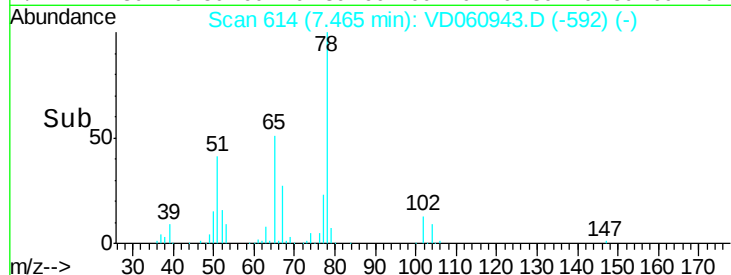
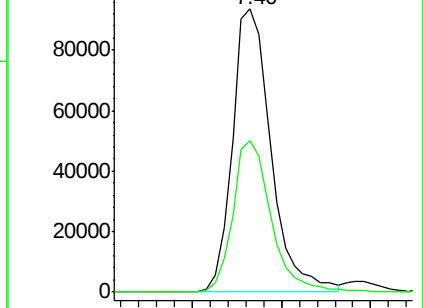
65 100

67 53.4 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

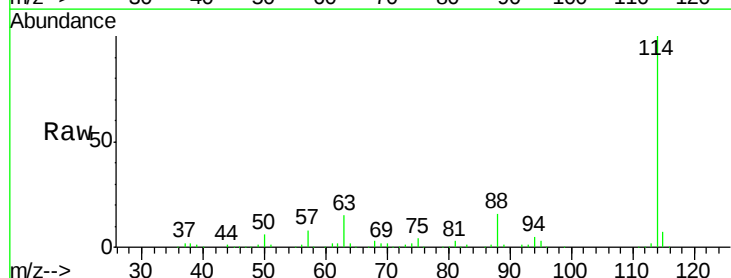
Tgt Ion: 114 Resp: 1345317

Ion Ratio Lower Upper

114 100

63 15.3 0.0 32.0

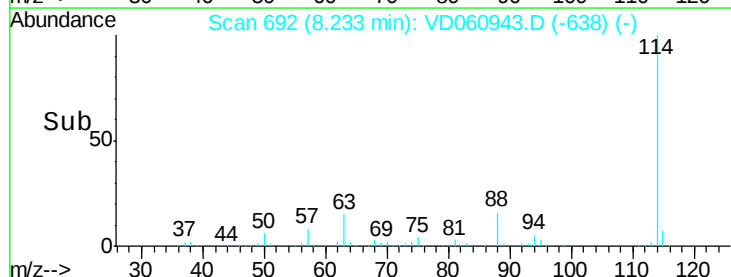
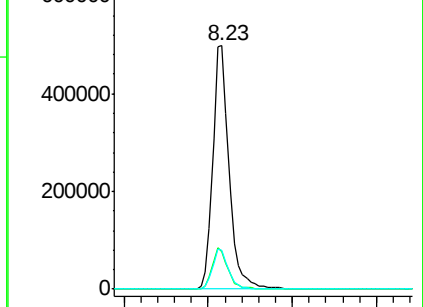
88 16.2 0.0 32.8

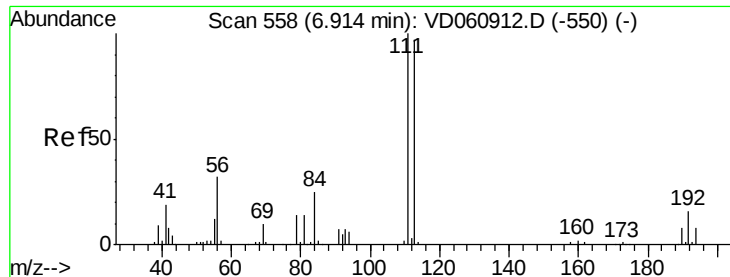


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

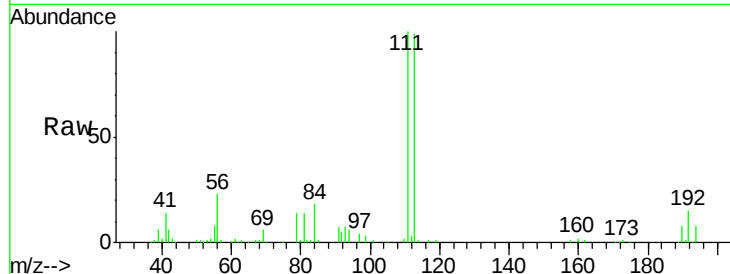




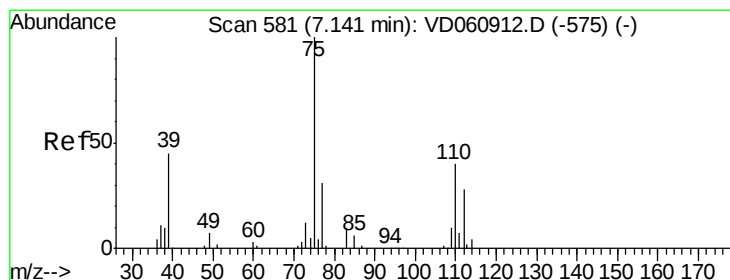
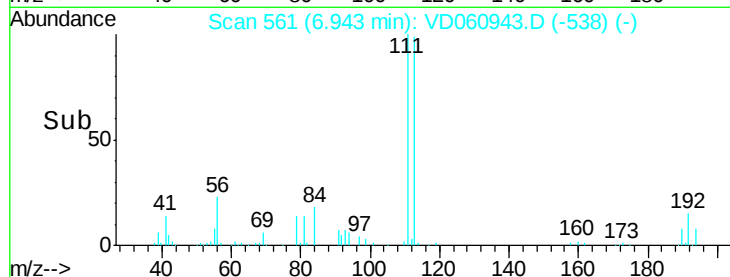
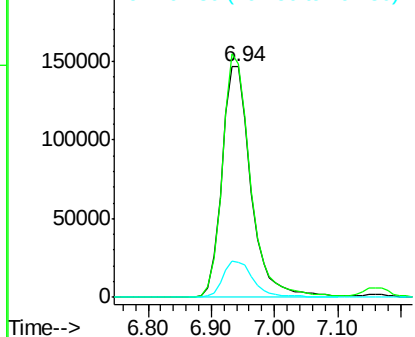
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

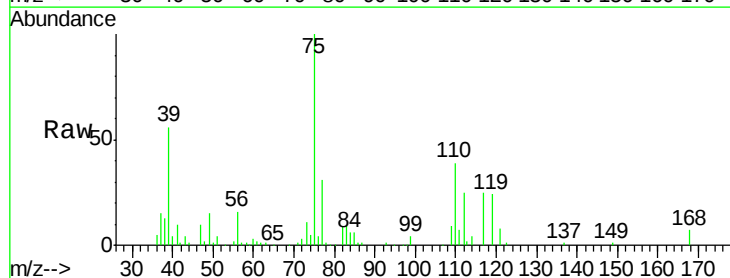


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

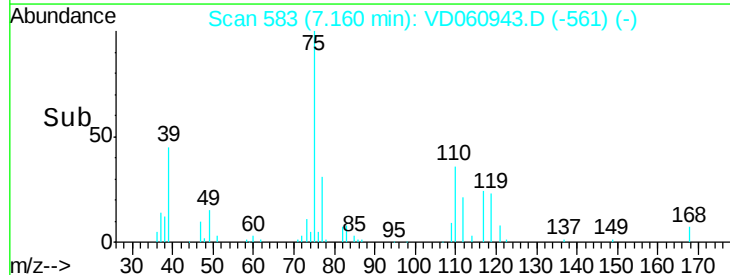
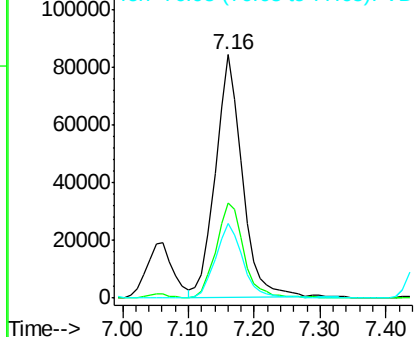


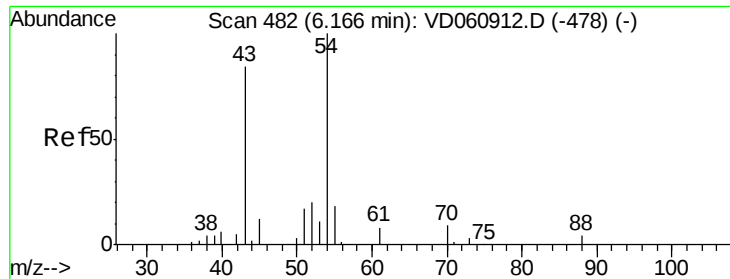
#36
1,1-Dichloropropene
Concen: 19.182 ug/l
RT: 7.16 min Scan# 583
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

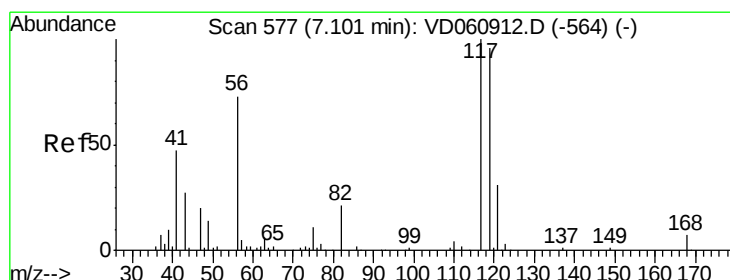
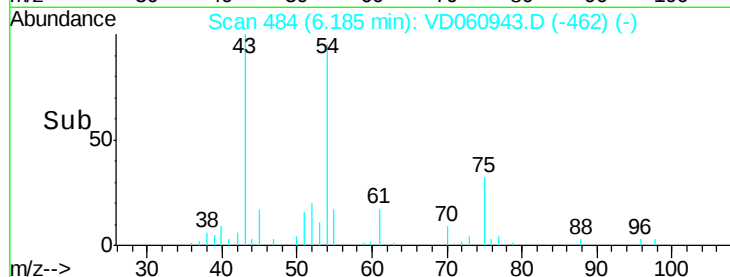
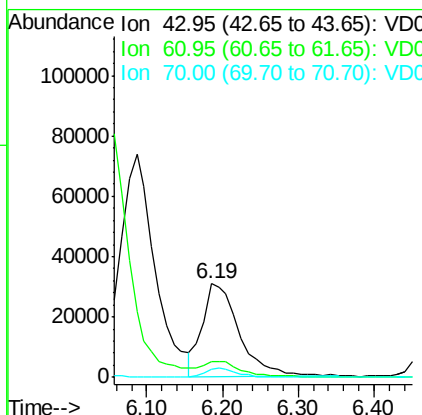
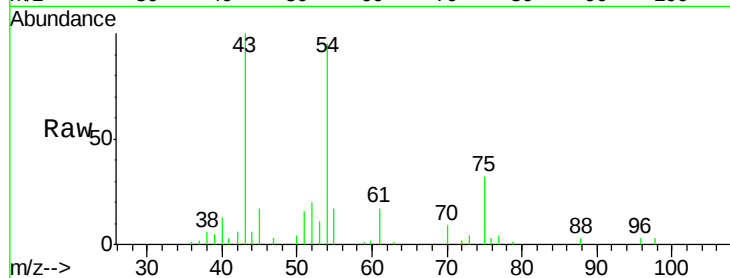




#37
Ethyl Acetate
Concen: 16.304 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

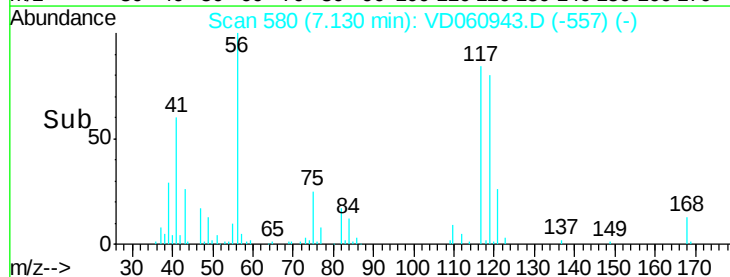
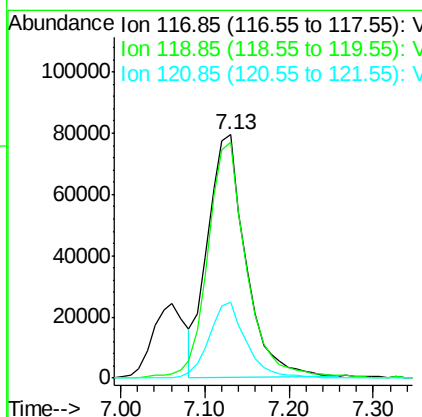
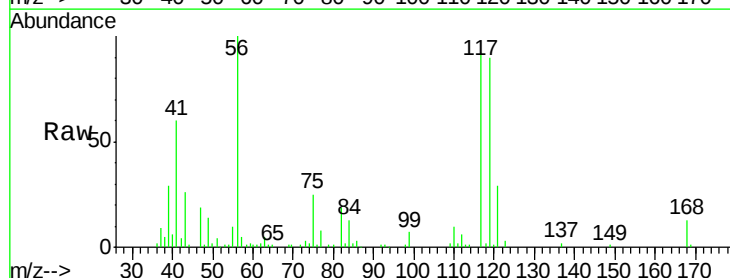
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

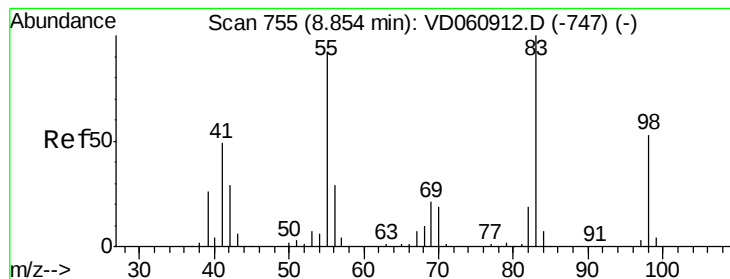
Tot Ion: 43 Resp: 103669
Ion Ratio Lower Upper
43 100
61 16.5 12.1 18.1
70 9.1 7.3 10.9



#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

Methvlcvclohexane

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

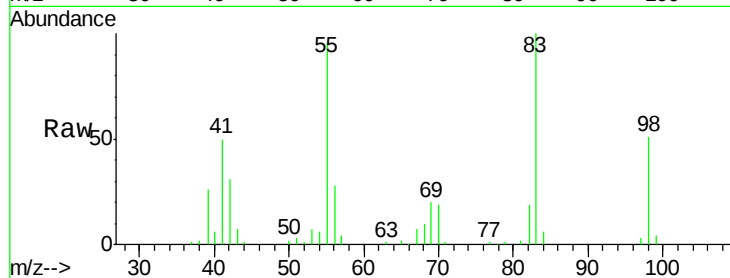
Tot Ion: 83 Resp: 267025

Ion Ratio Lower Upper

83 100

55 94.9 73.8 110.8

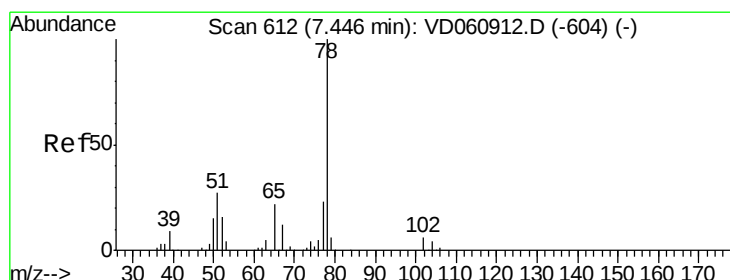
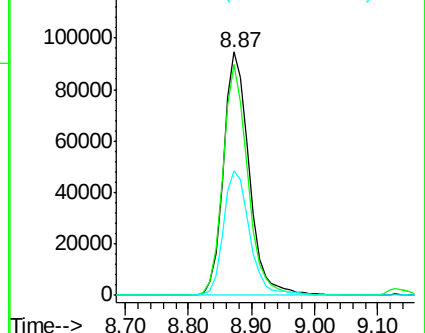
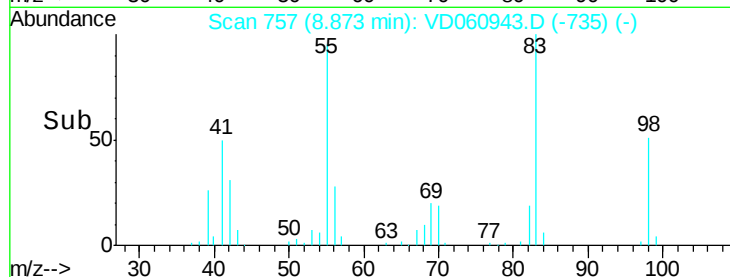
98 51.4 42.4 63.6



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

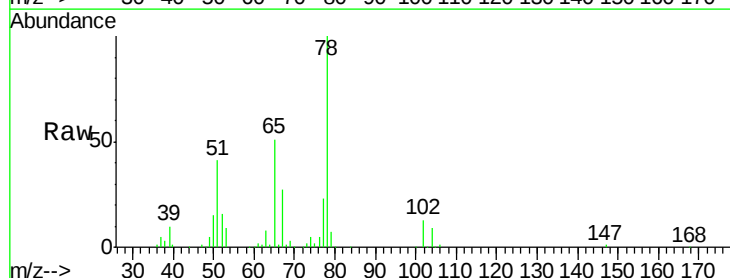
Acq: 5 Mar 2019 12:39

Tgt Ion: 78 Resp: 571146

Ion Ratio Lower Upper

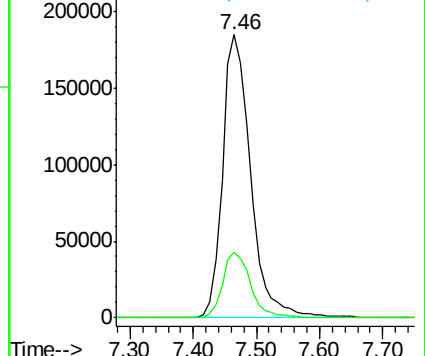
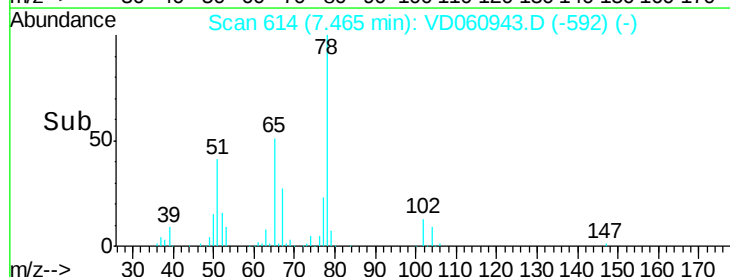
78 100

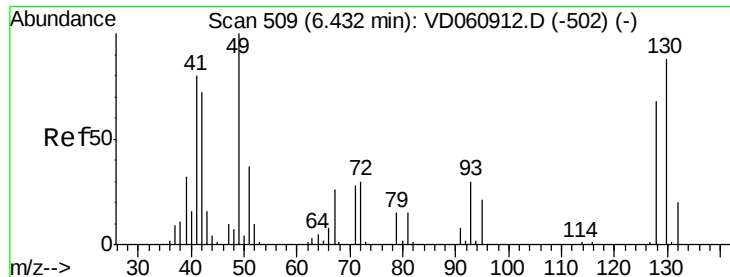
77 23.1 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 17.523 ug/l m

RT: 6.46 min Scan# 512

Delta R.T. 0.03 min

Lab File: VD060943.D

Acq: 5 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0305SBS01

Tot Ion: 41 Resp: 69608

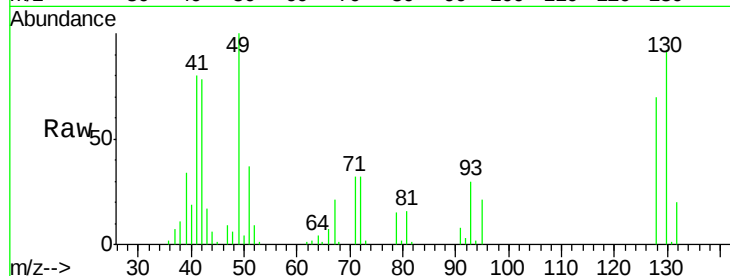
Ion Ratio Lower Upper

41 100

39 42.3 32.1 48.1

67 26.2 25.6 38.4

52 11.0 9.7 14.5

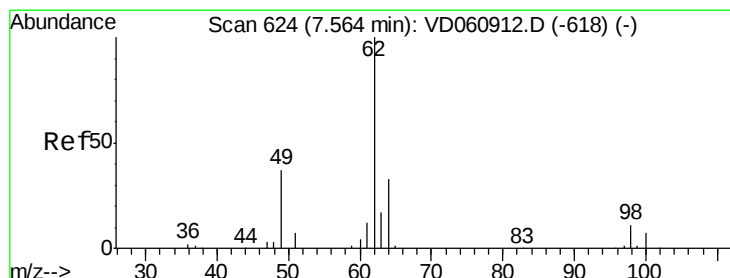
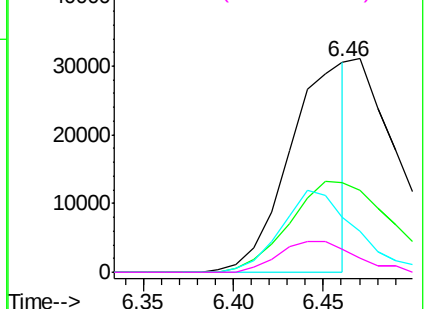
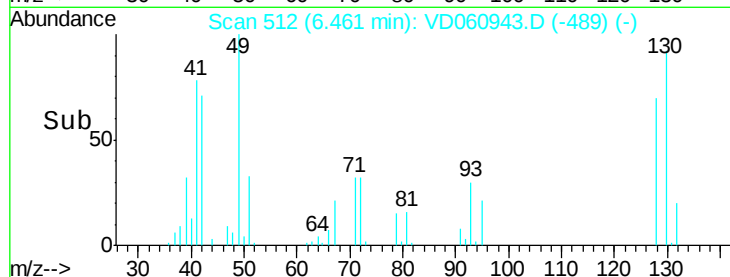


Abundance Ion 40.95 (40.65 to 41.65): VDC

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

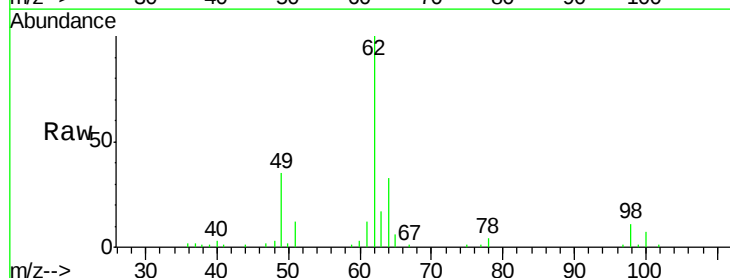
Acq: 5 Mar 2019 12:39

Tgt Ion: 62 Resp: 169867

Ion Ratio Lower Upper

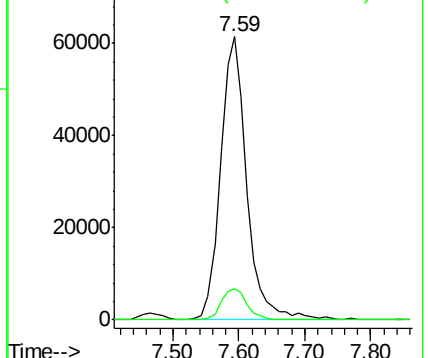
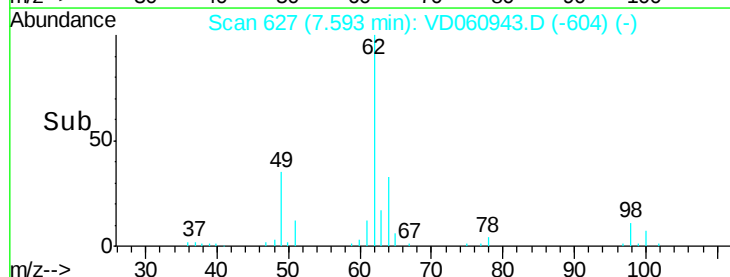
62 100

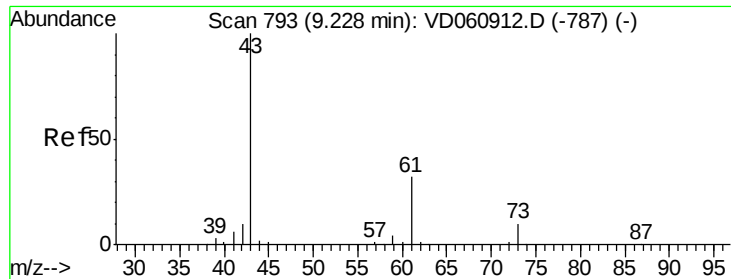
98 10.8 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



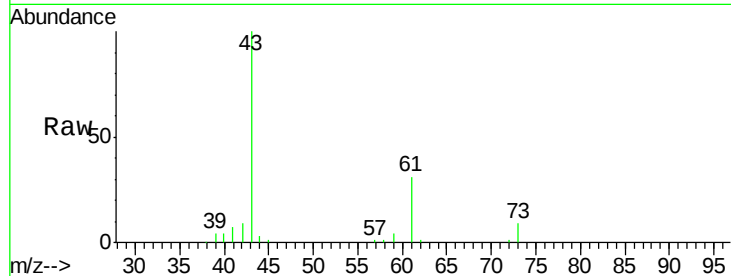


#43

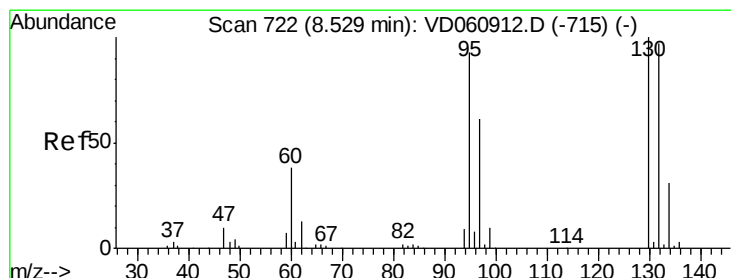
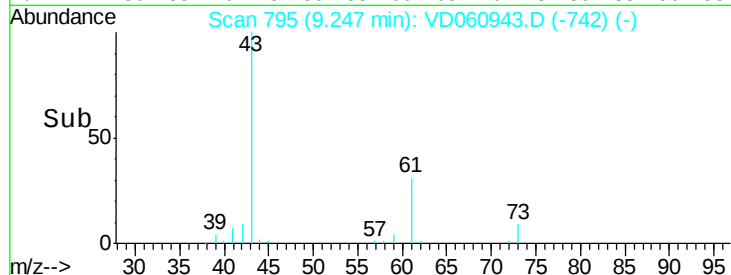
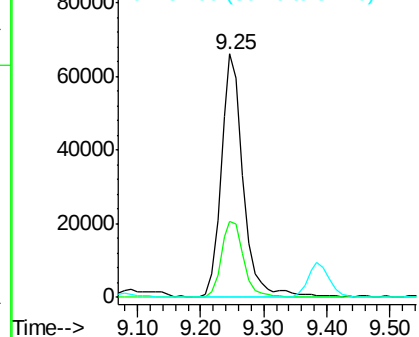
Isopropyl Acetate
 Concen: 18.242 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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#



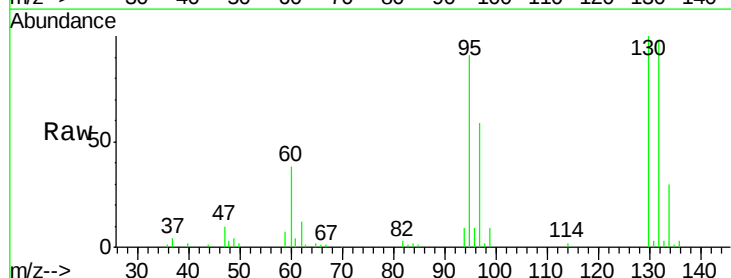
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



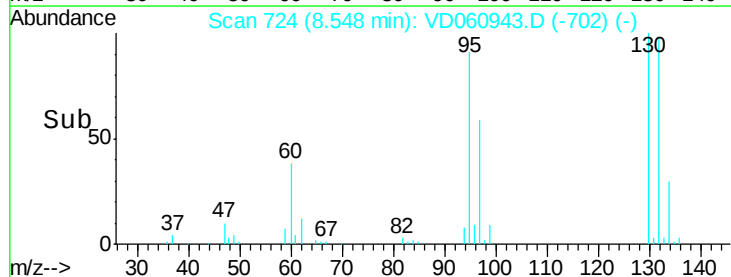
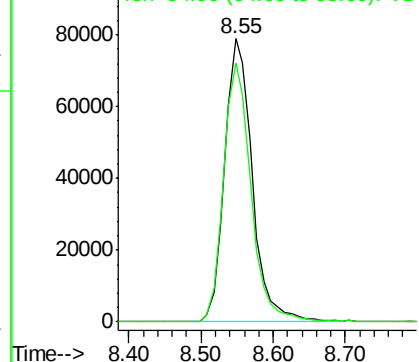
#44

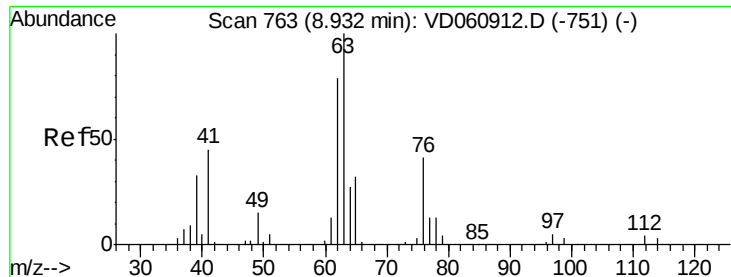
Trichloroethene
 Concen: 19.385 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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 :

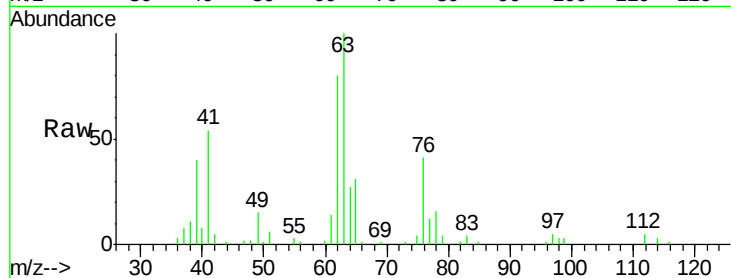
VD0305SBS01

Tot Ion: 63 Resp: 158157

Ion Ratio Lower Upper

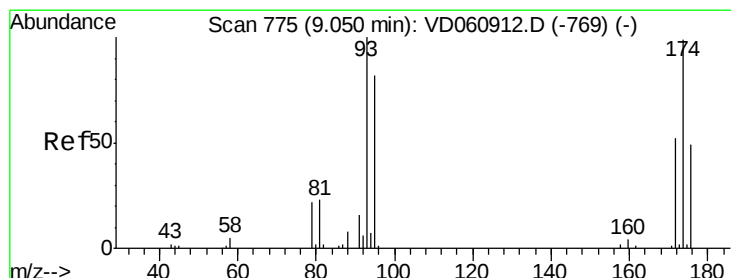
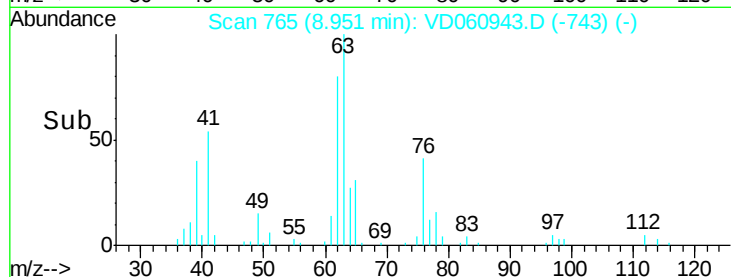
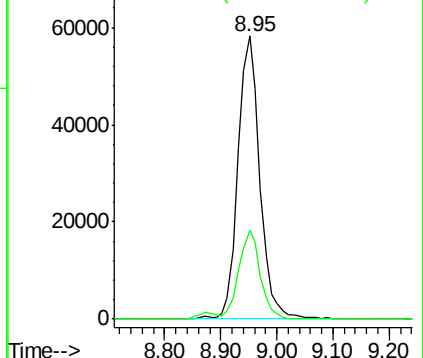
63 100

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

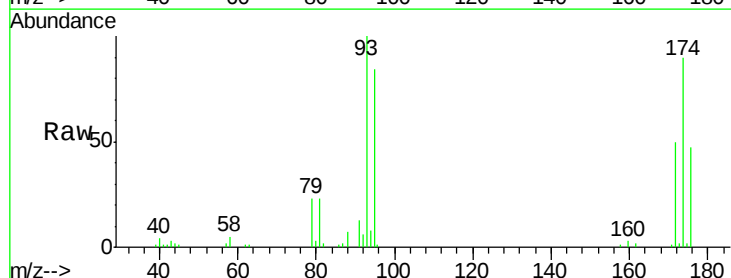
Tgt Ion: 93 Resp: 100092

Ion Ratio Lower Upper

93 100

95 83.7 65.8 98.6

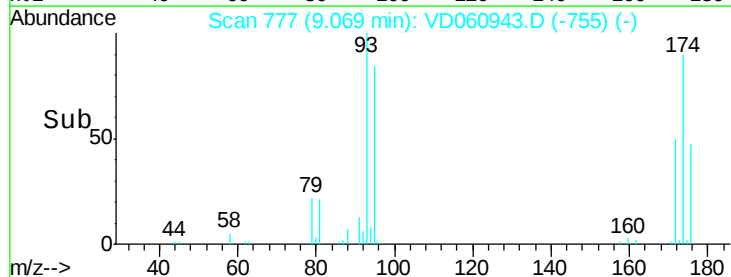
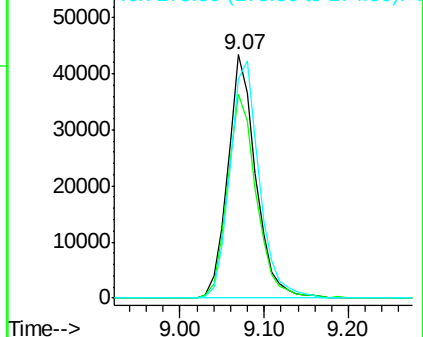
174 89.9 79.5 119.3

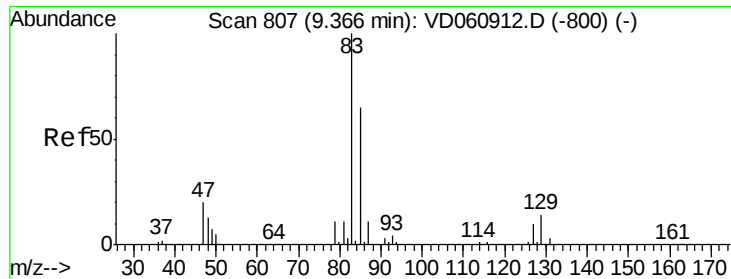


Abundance Ion 92.90 (92.60 to 93.60): VDC

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

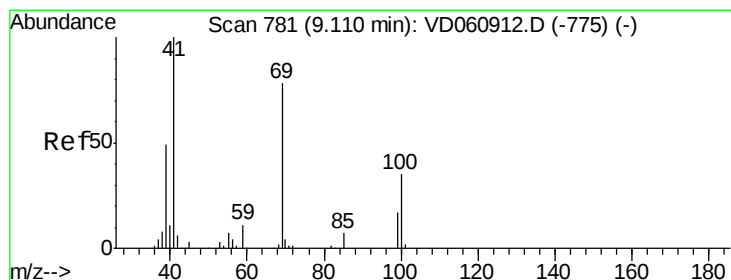
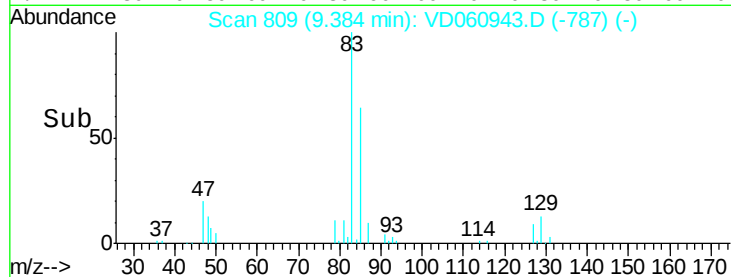
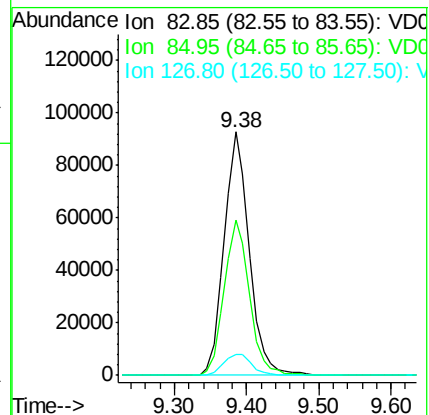
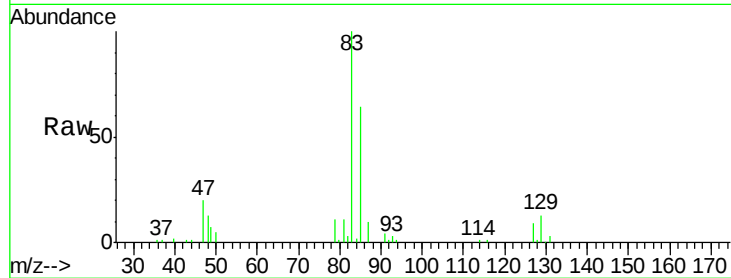
Tot Ion: 83 Resp: 222785

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

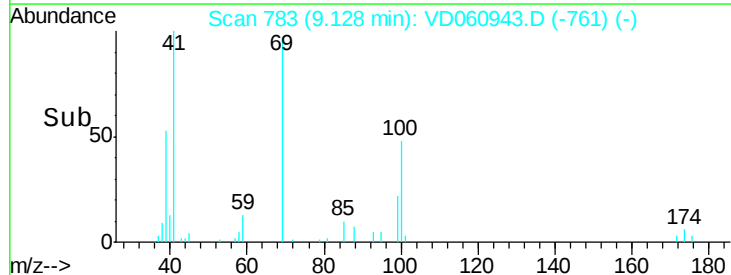
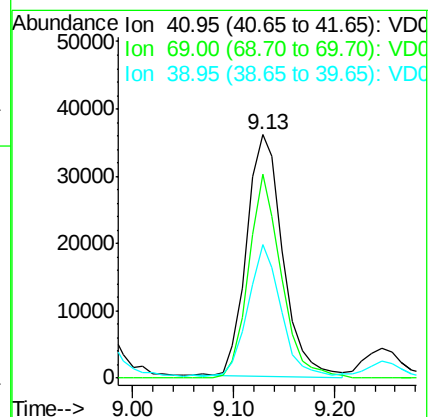
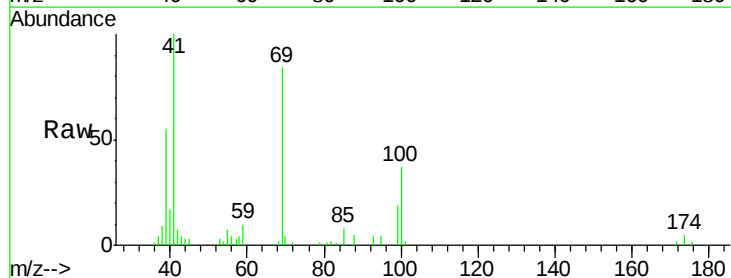
Tgt Ion: 41 Resp: 89846

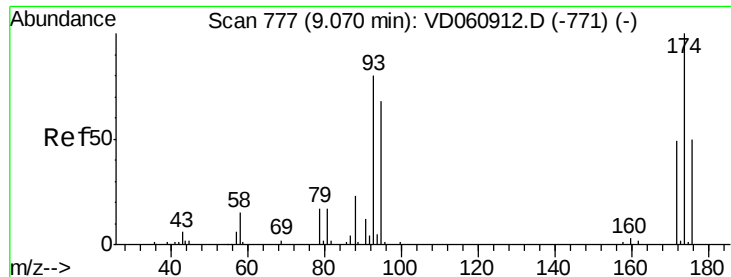
Ion Ratio Lower Upper

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

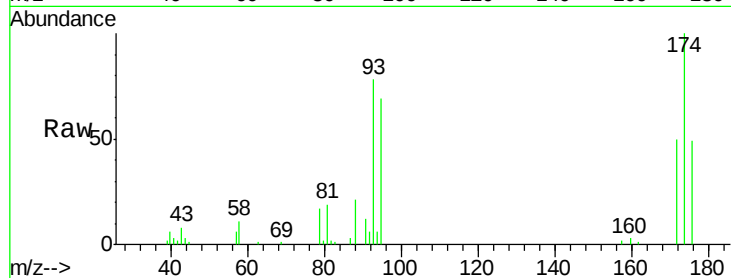
Tot Ion: 88 Resp: 18746

Ion Ratio Lower Upper

88 100

43 38.3 24.2 36.4#

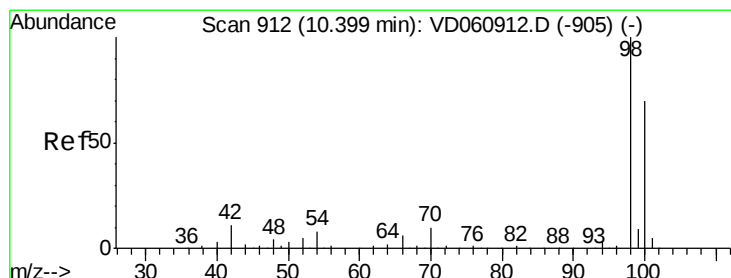
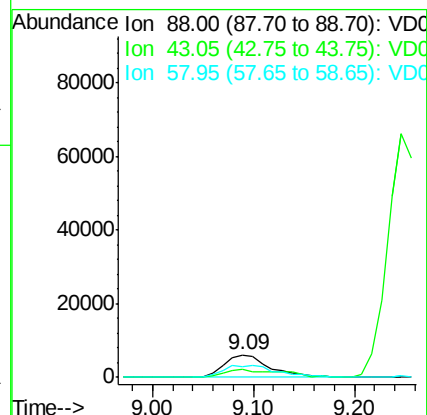
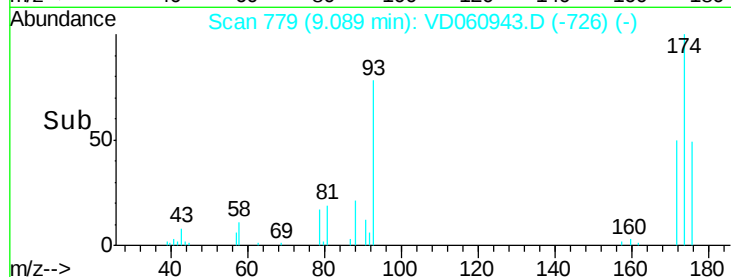
58 50.2 51.1 76.7#



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

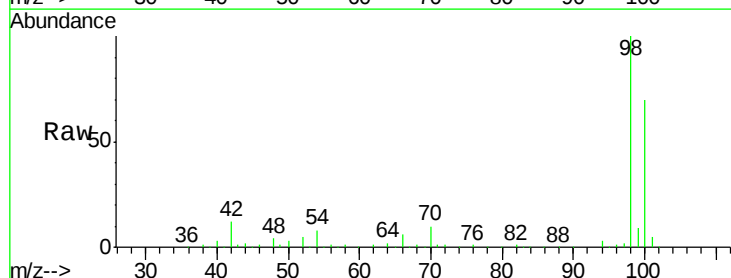
Acq: 5 Mar 2019 12:39

Tgt Ion: 98 Resp: 1162598

Ion Ratio Lower Upper

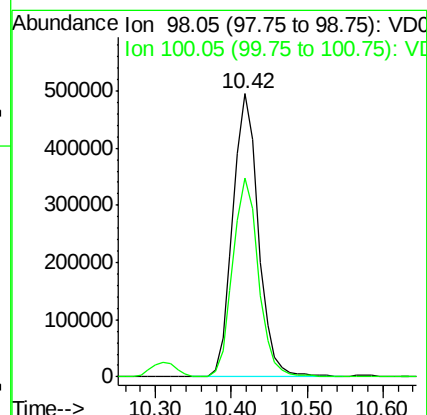
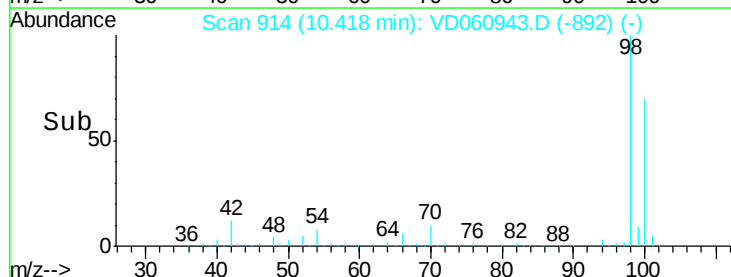
98 100

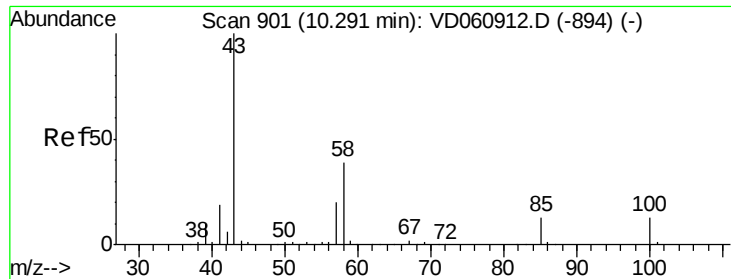
100 70.3 57.0 85.4



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 :

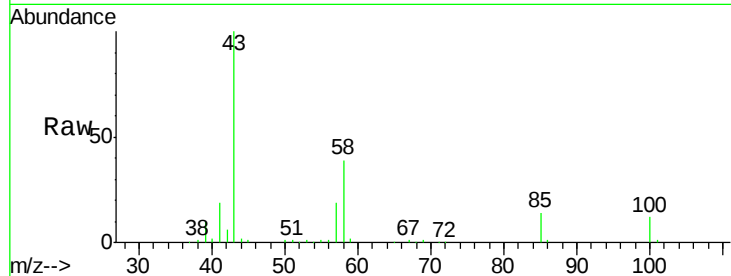
VD0305SBS01

Tot Ion: 43 Resp: 501225

Ion Ratio Lower Upper

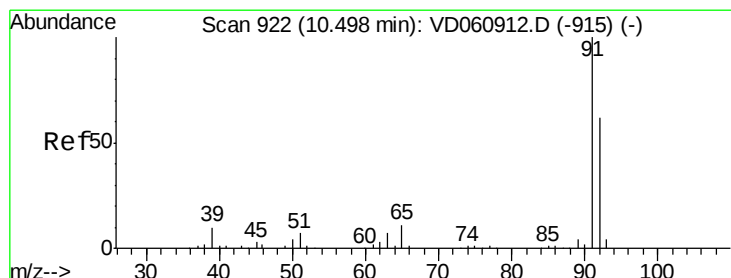
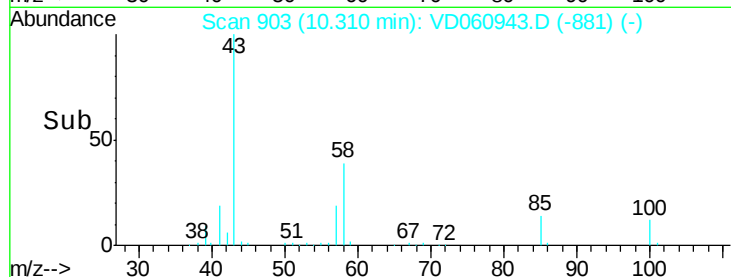
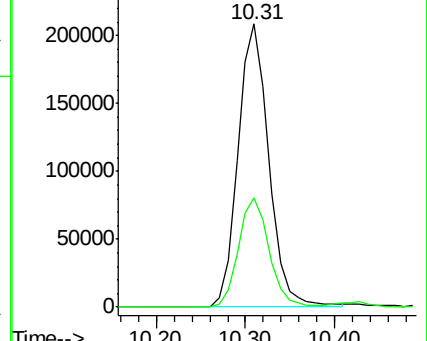
43 100

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

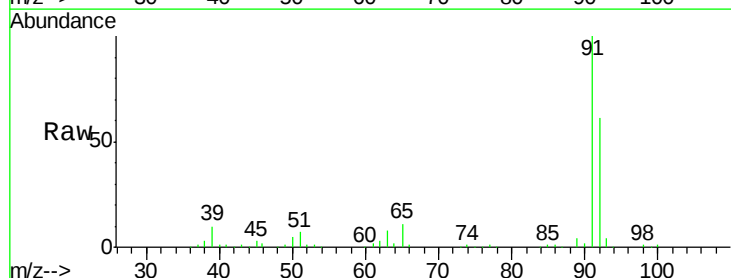
Acq: 5 Mar 2019 12:39

Tgt Ion: 92 Resp: 398670

Ion Ratio Lower Upper

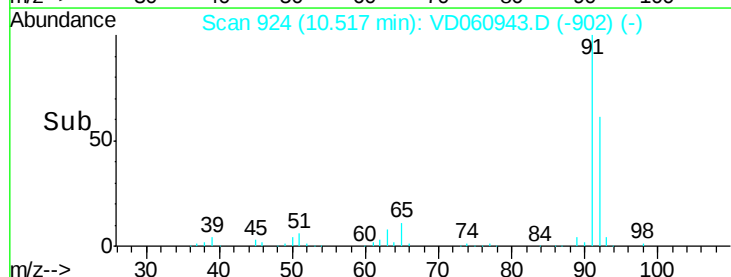
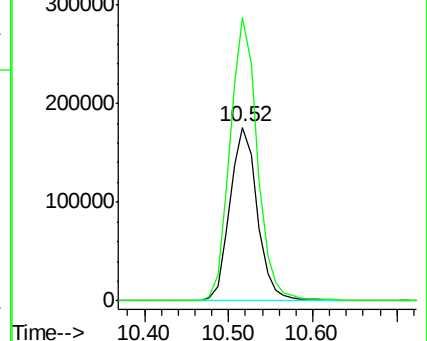
92 100

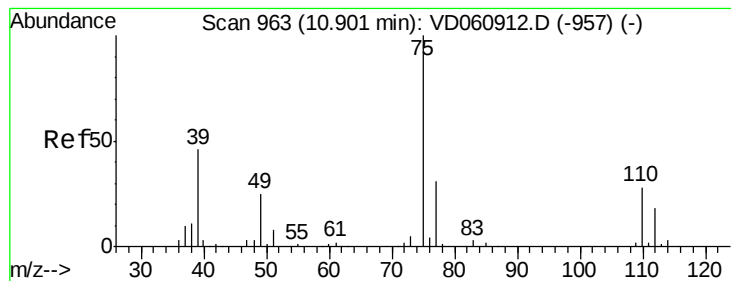
91 162.9 129.9 194.9



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 :

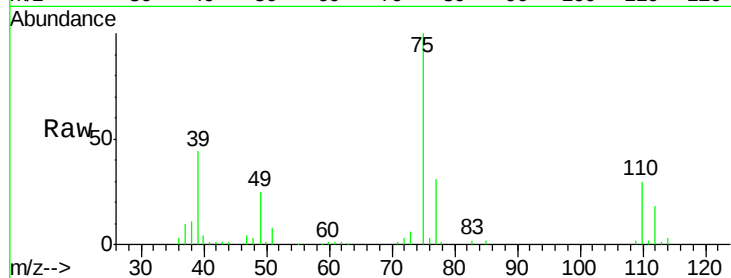
VD0305SBS01

Tot Ion: 75 Resp: 190332

Ion Ratio Lower Upper

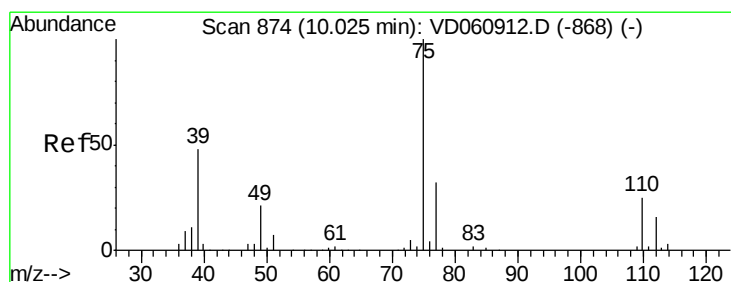
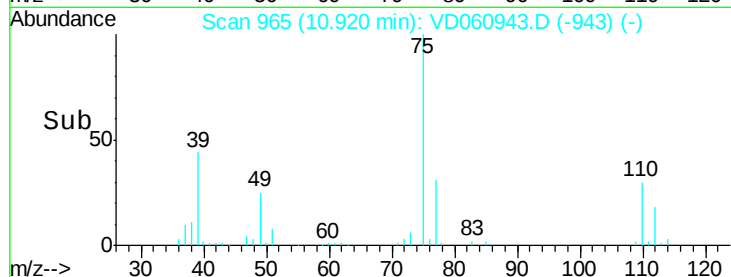
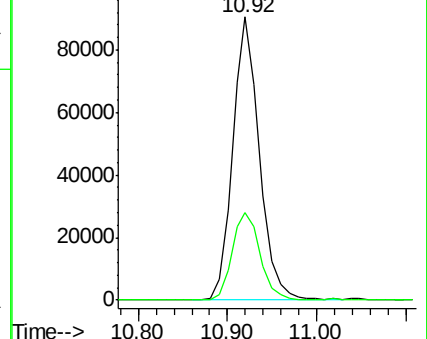
75 100

77 31.1 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 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

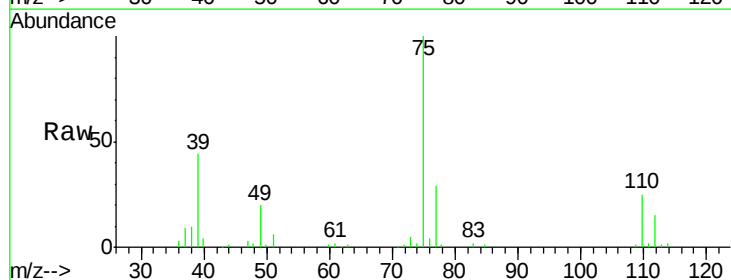
Tgt Ion: 75 Resp: 251966

Ion Ratio Lower Upper

75 100

77 29.3 25.3 37.9

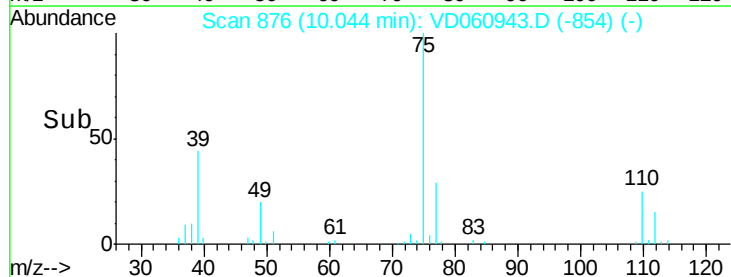
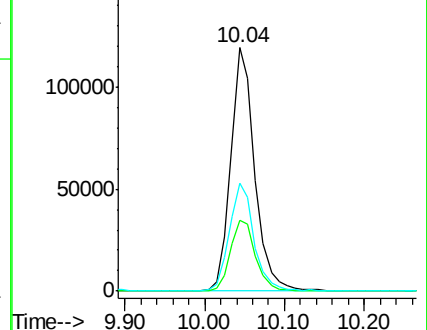
39 44.4 38.2 57.4

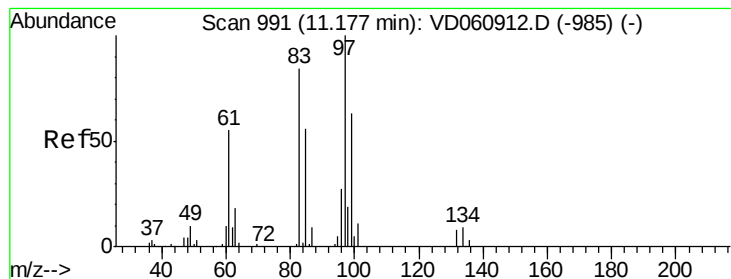


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 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

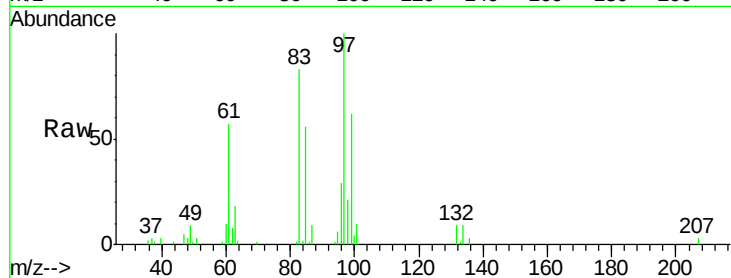
Ion Ratio Lower Upper

97 100

83 82.8 67.5 101.3

85 55.7 44.9 67.3

99 62.2 50.6 76.0

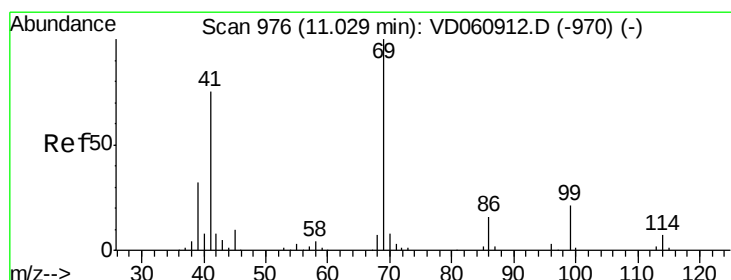
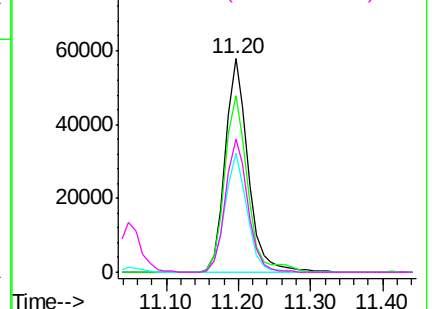
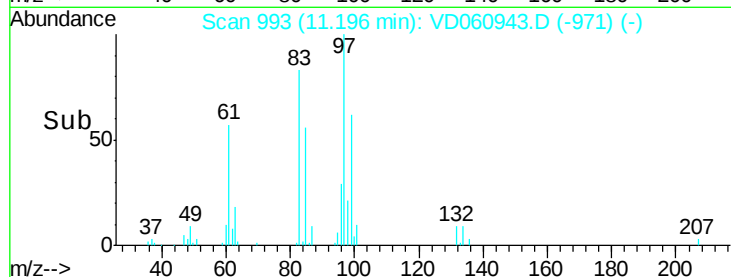


Abundance Ion 96.85 (96.55 to 97.55): VDC

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

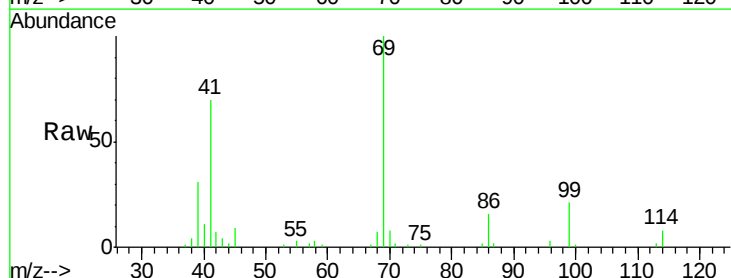
Tgt Ion: 69 Resp: 130892

Ion Ratio Lower Upper

69 100

41 70.2 59.9 89.9

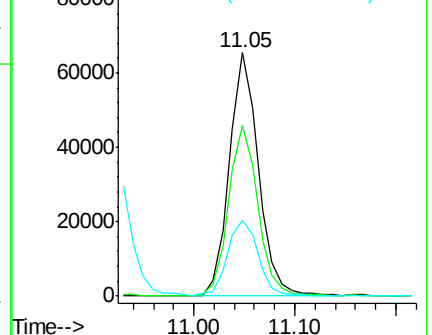
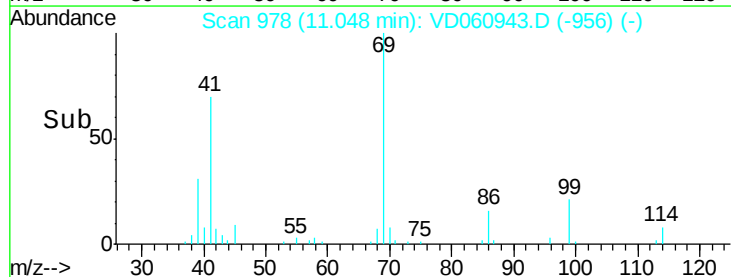
39 31.4 25.7 38.5

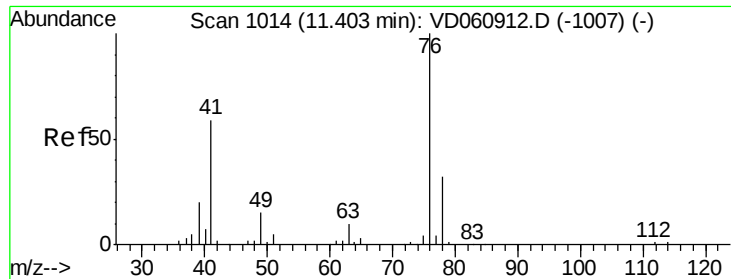


Abundance Ion 69.00 (68.70 to 69.70): VDC

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 :

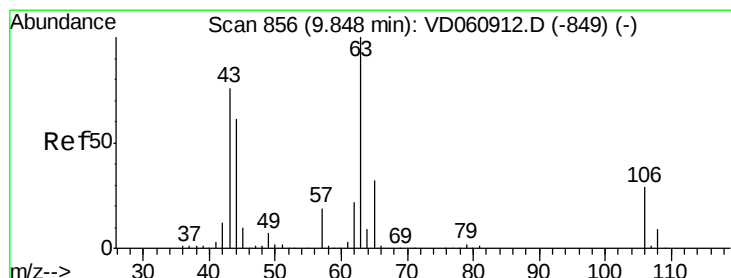
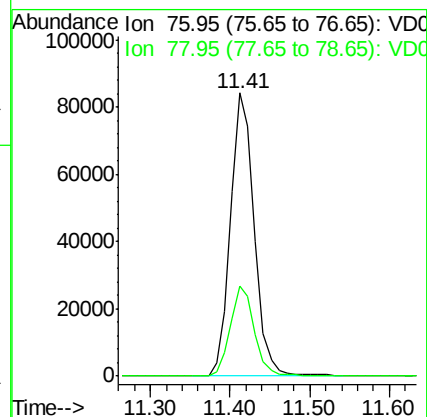
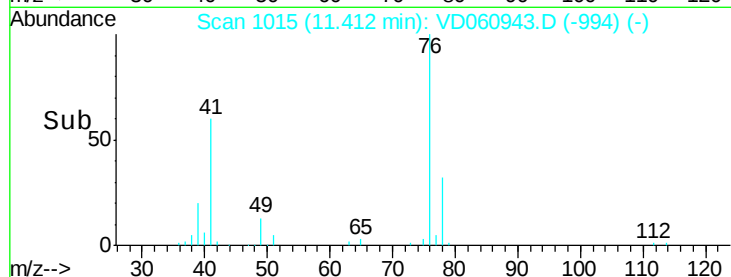
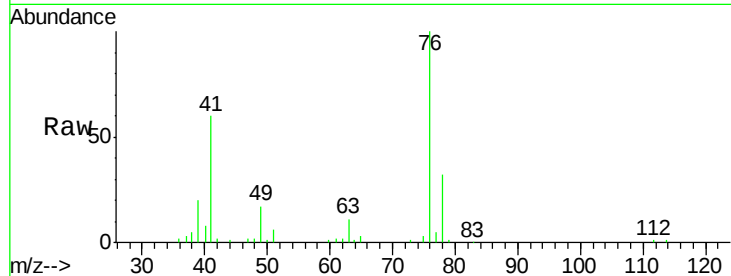
VD0305SBS01

Tot Ion: 76 Resp: 177193

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#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

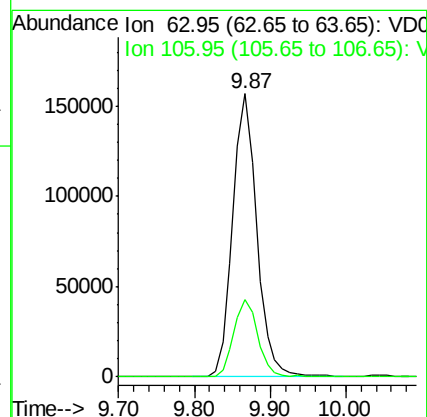
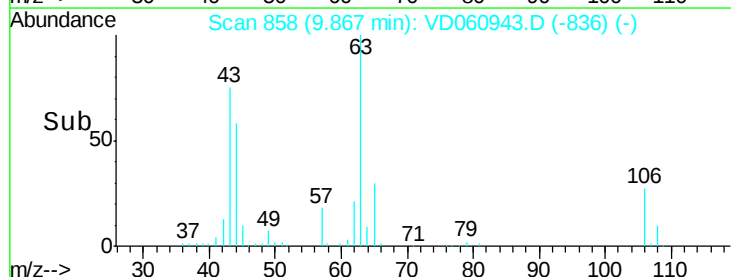
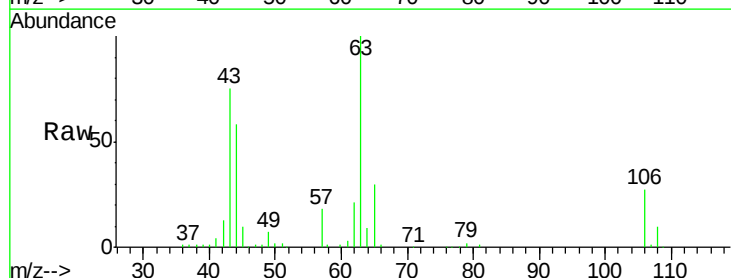
Acq: 5 Mar 2019 12:39

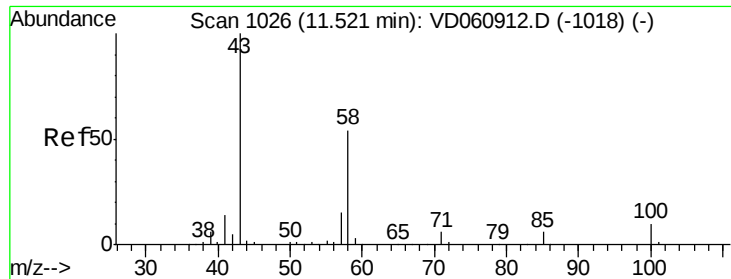
Tgt Ion: 63 Resp: 346120

Ion Ratio Lower Upper

63 100

106 27.4 23.0 34.6

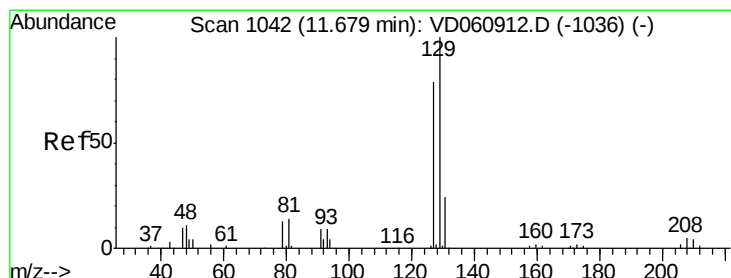
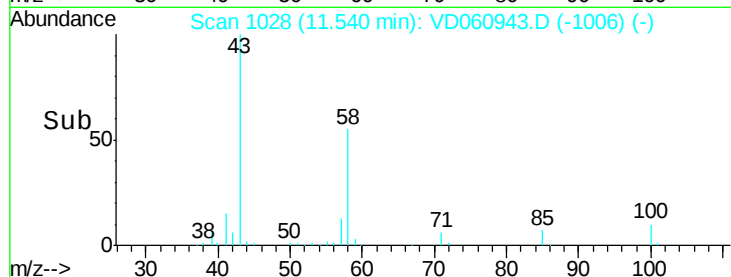
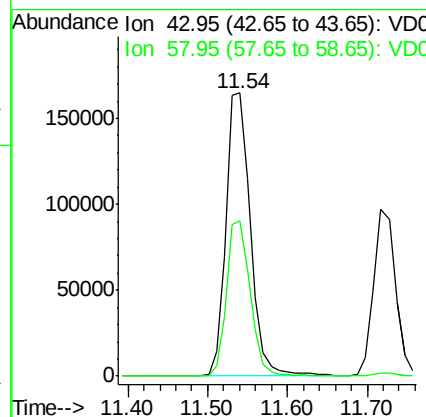
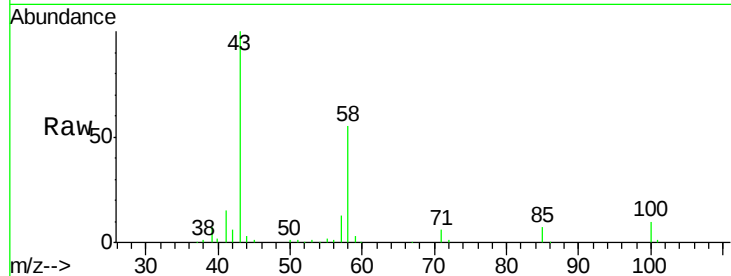




#59
2-Hexanone
Concen: 94.729 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

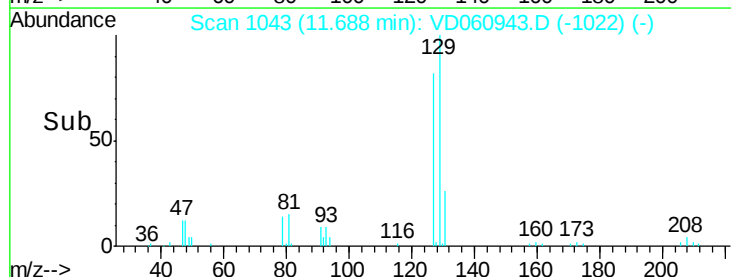
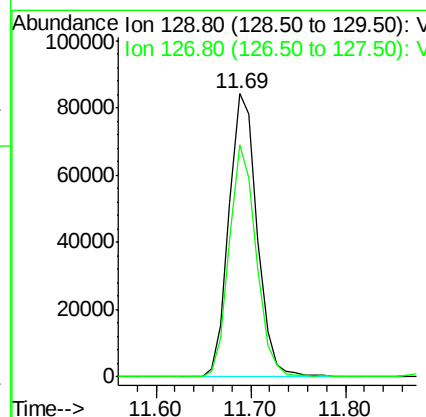
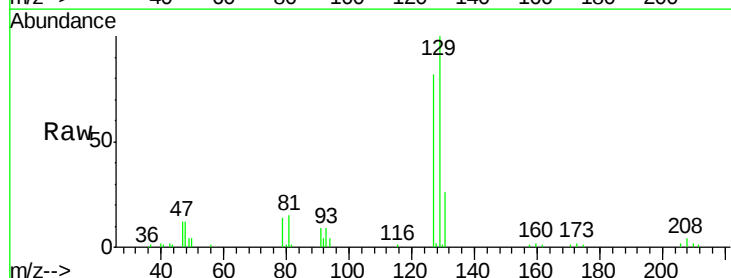
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

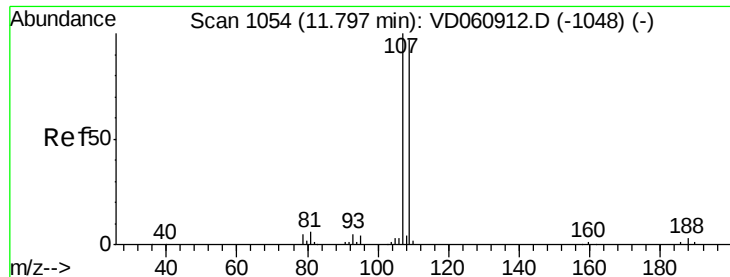
Tot Ion: 43 Resp: 358430
Ion Ratio Lower Upper
43 100
58 54.7 27.2 81.5



#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

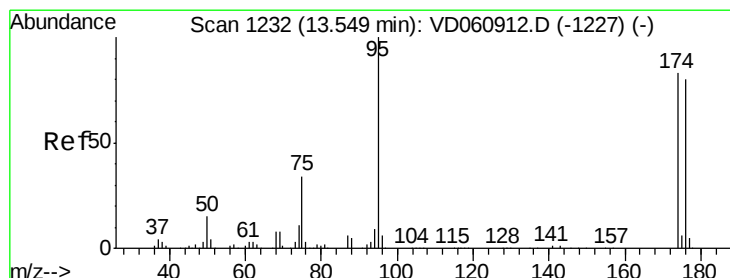
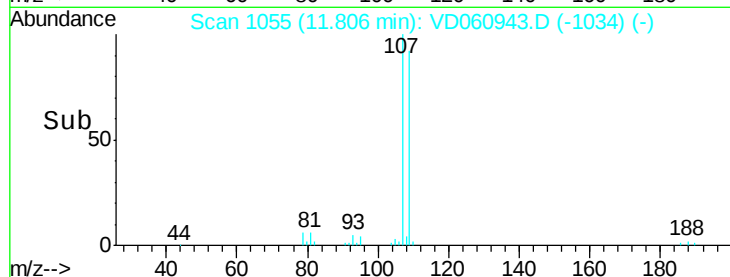
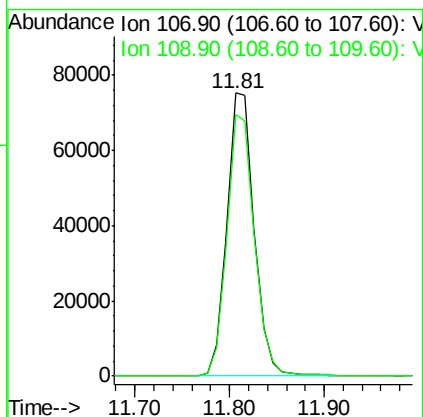
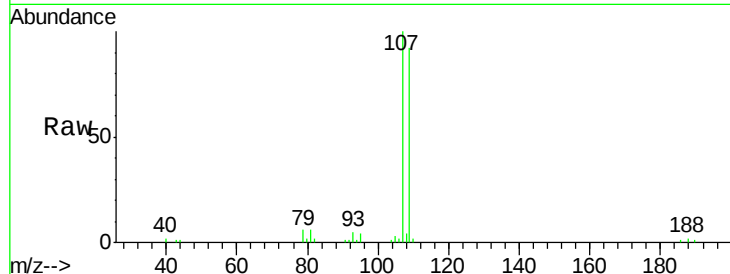




#61
 1,2-Dibromoethane
 Concen: 19.066 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

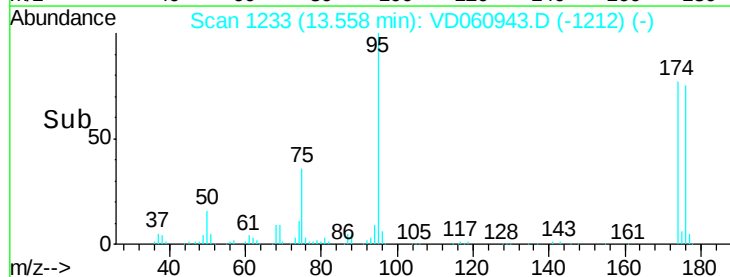
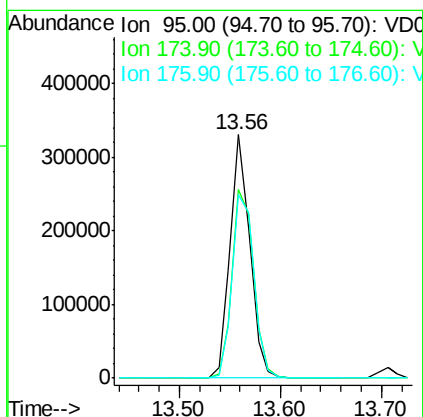
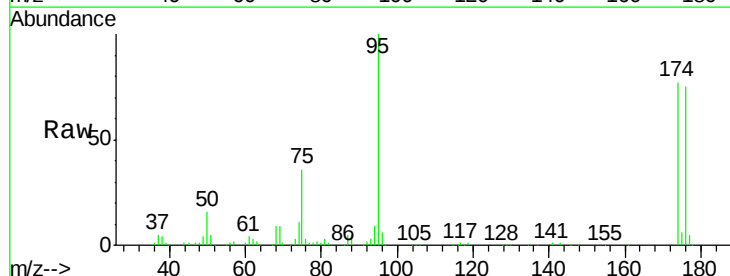
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

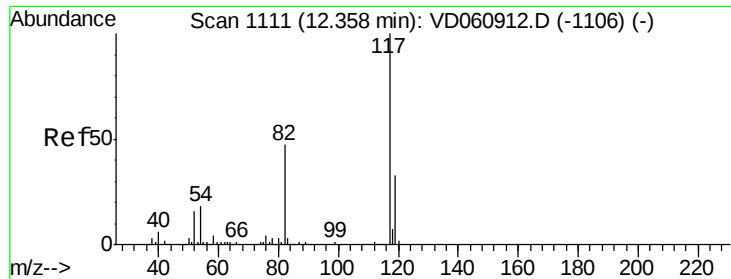
Tot Ion: 107 Resp: 149912
 Ion Ratio Lower Upper
 107 100
 109 92.4 78.0 117.0



#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

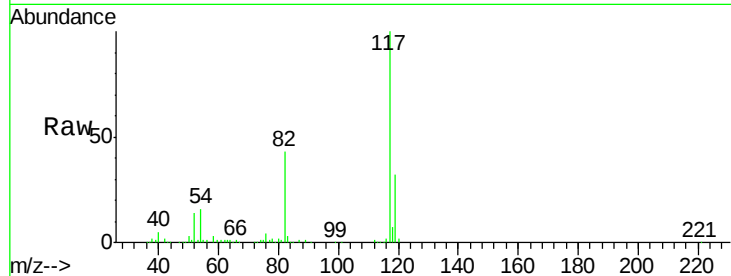




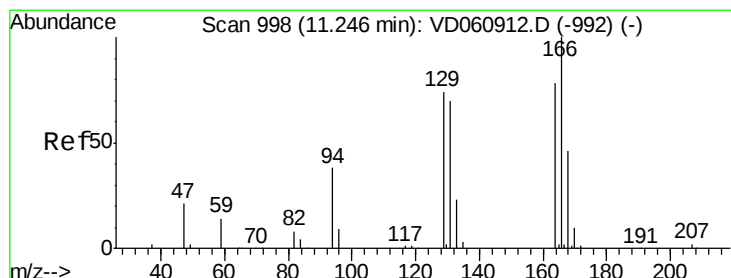
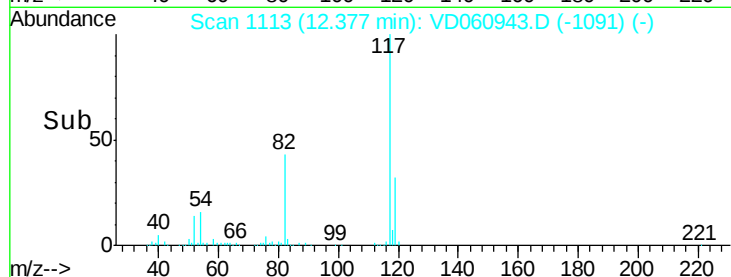
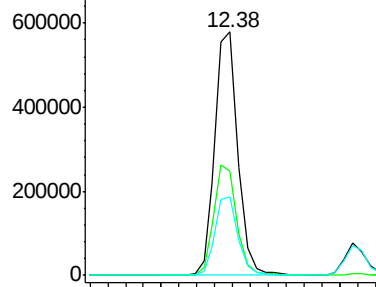
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

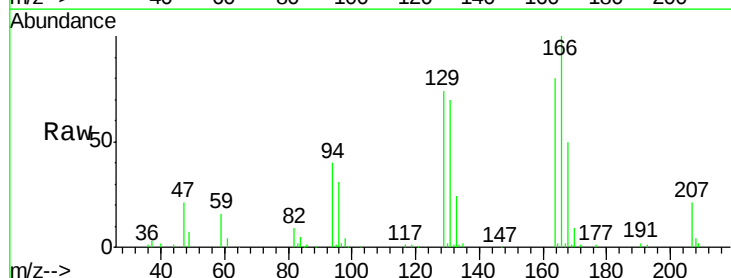


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

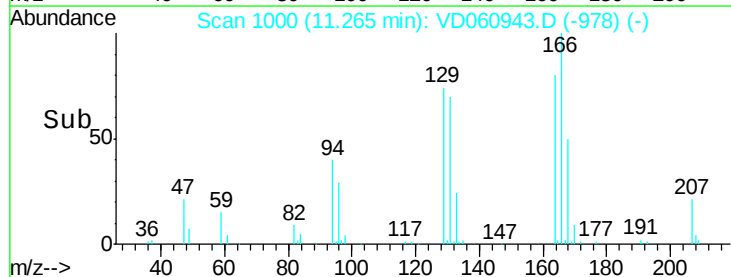
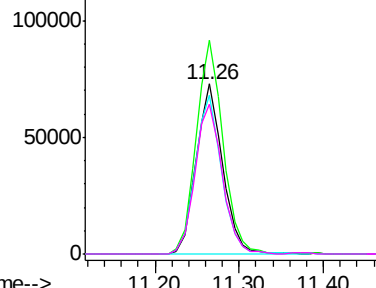


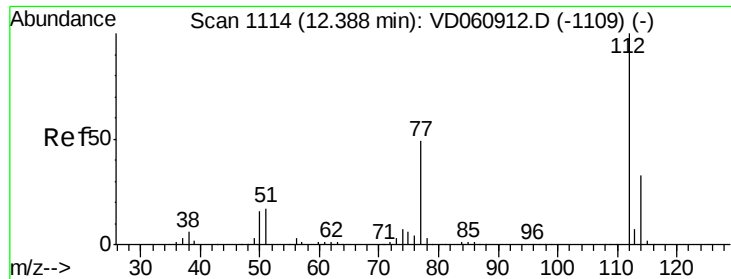
#64
Tetrachloroethene
Concen: 20.041 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

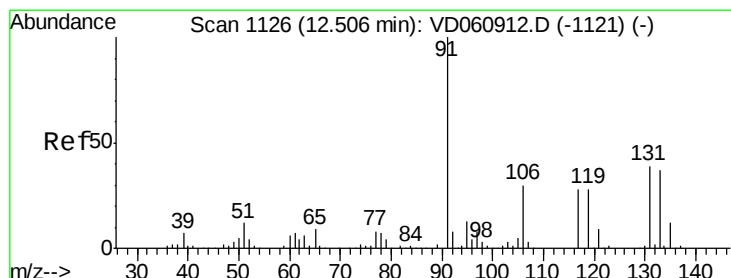
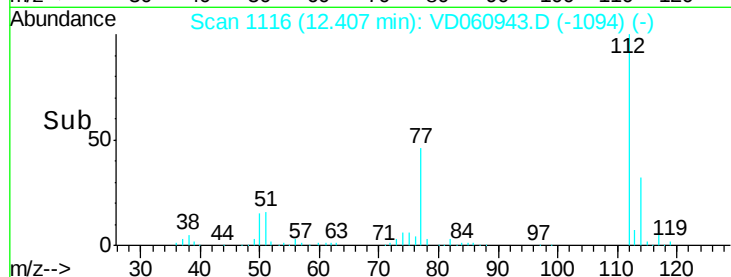
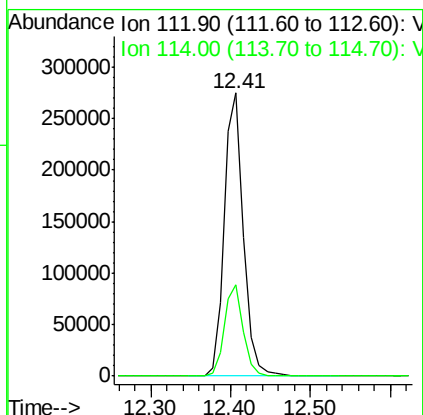
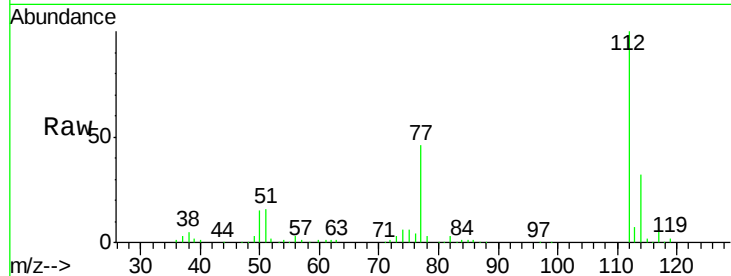




#65
Chlorobenzene
Concen: 20.218 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

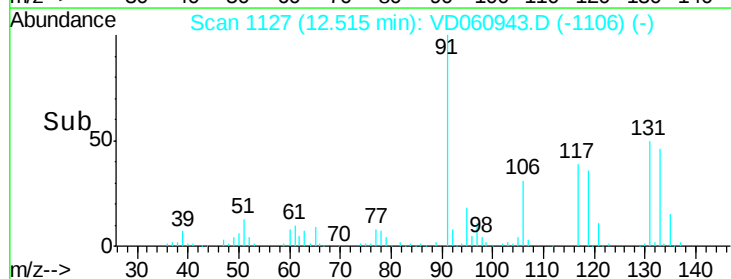
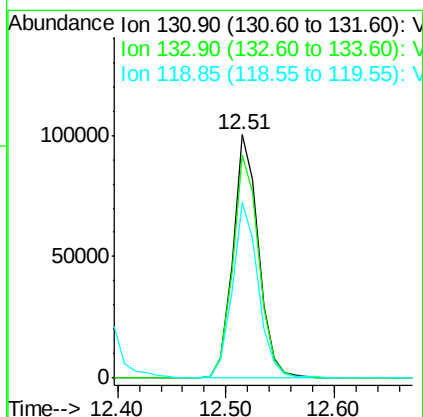
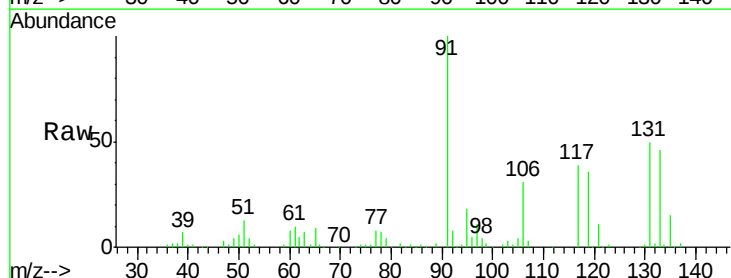
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

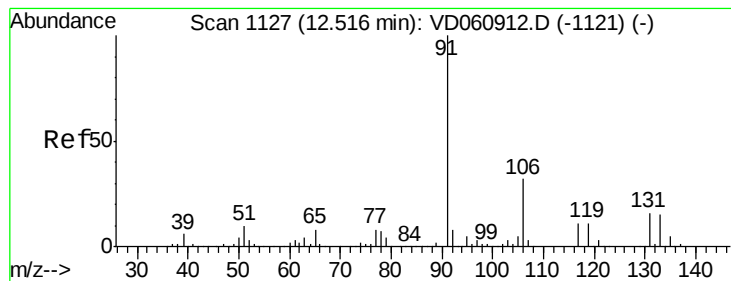
Tot Ion:112 Resp: 464261
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#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 :

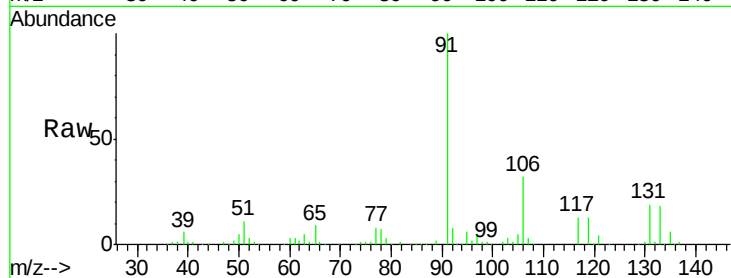
VD0305SBS01

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): VD060943.D (-1127) (-)

Ion 106.05 (105.75 to 106.75): VD060943.D (-1127) (-)

600000

500000

400000

300000

200000

100000

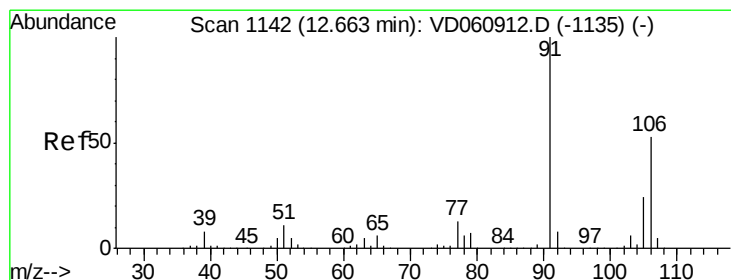
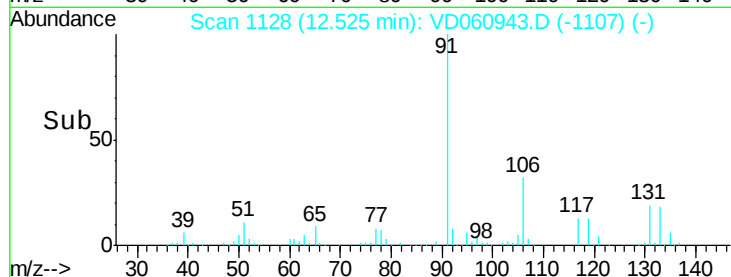
0

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

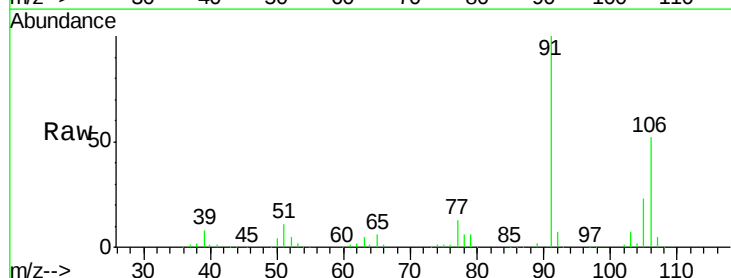
Acq: 5 Mar 2019 12:39

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): VD060943.D (-1142) (-)

Ion 91.00 (90.70 to 91.70): VD060943.D (-1142) (-)

600000

500000

400000

300000

200000

100000

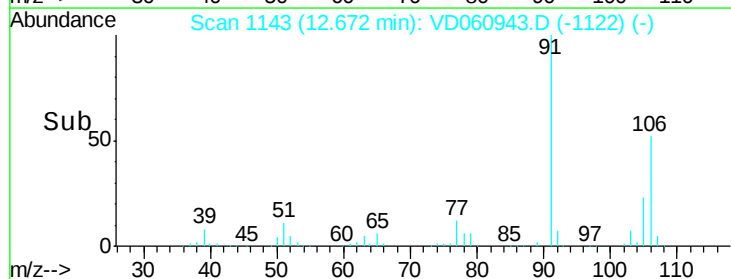
0

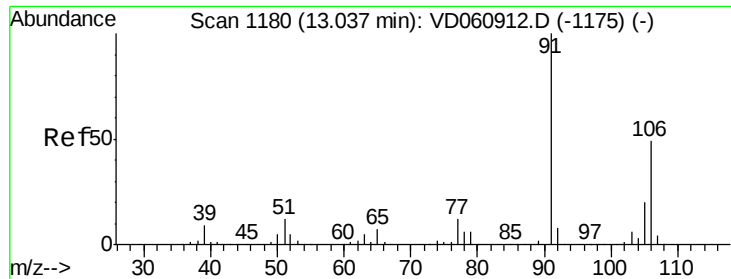
12.67

12.60

12.80

Time-->

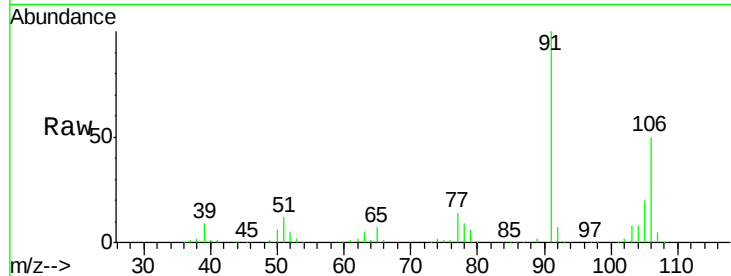




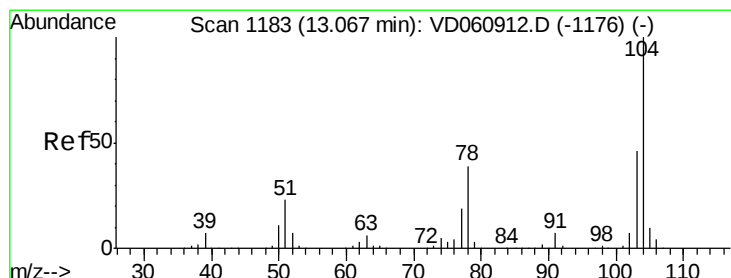
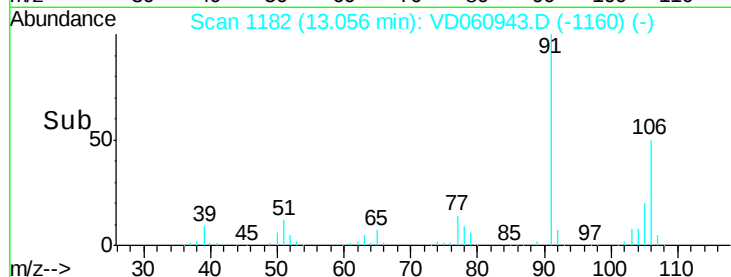
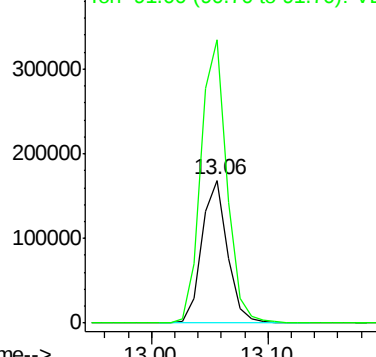
#69
o-Xylene
Concen: 20.371 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

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

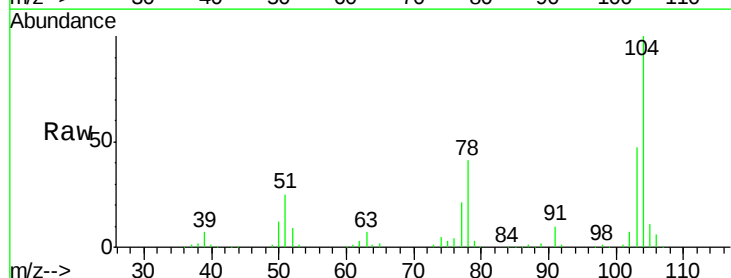


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

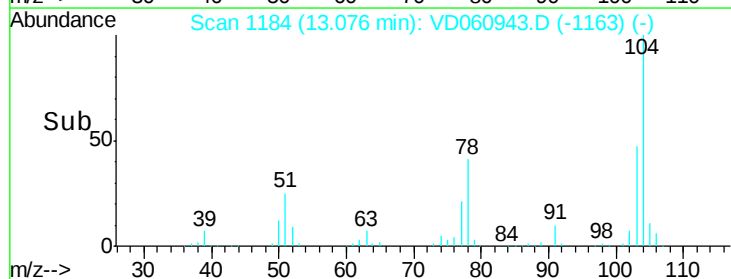
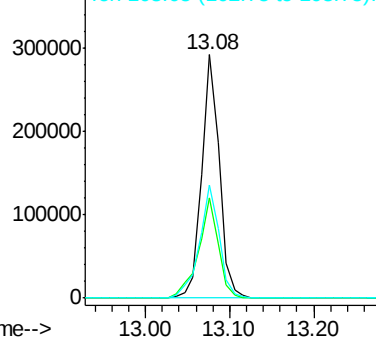


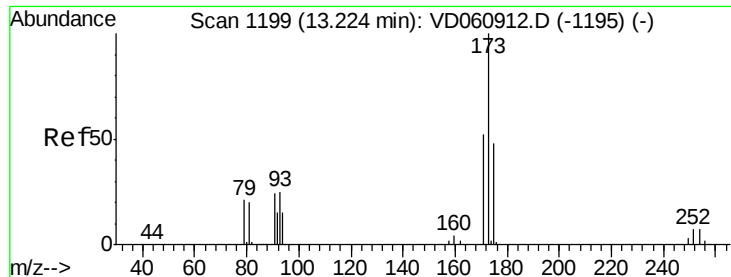
#70
Styrene
Concen: 20.280 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

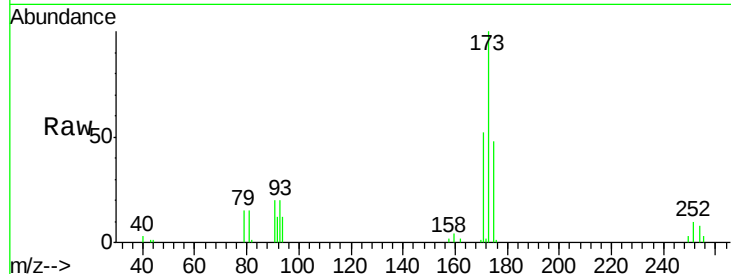




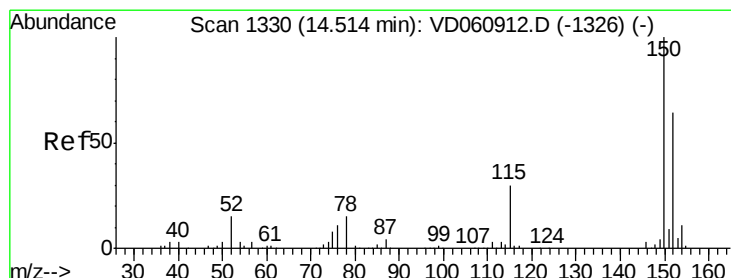
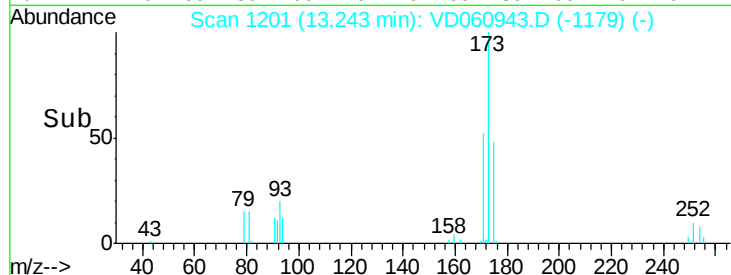
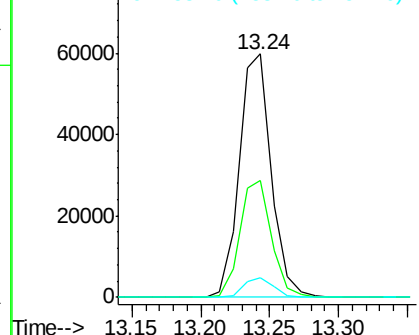
#71
Bromoform
Concen: 18.504 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

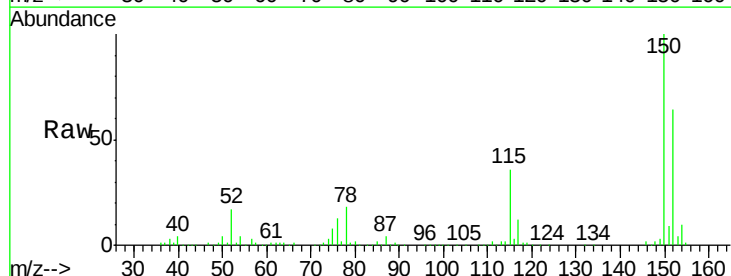


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

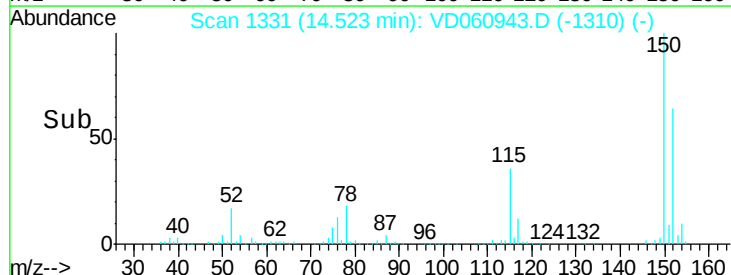
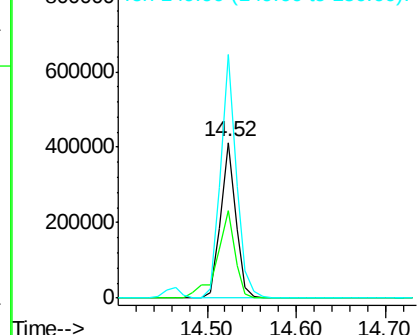


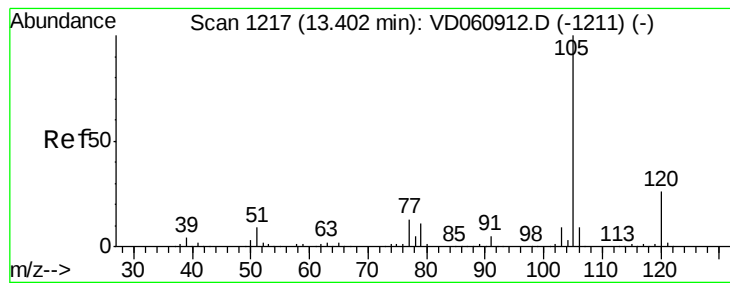
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

ClientSampleID :

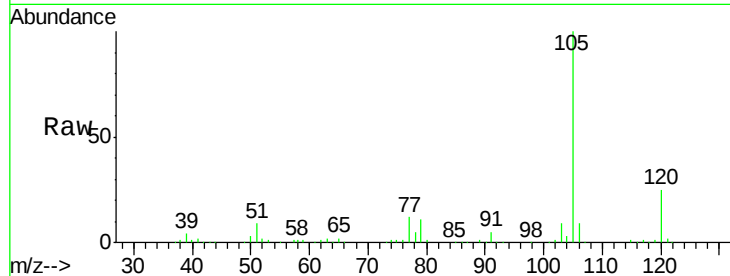
VD0305SBS01

Tot Ion:105 Resp: 698445

Ion Ratio Lower Upper

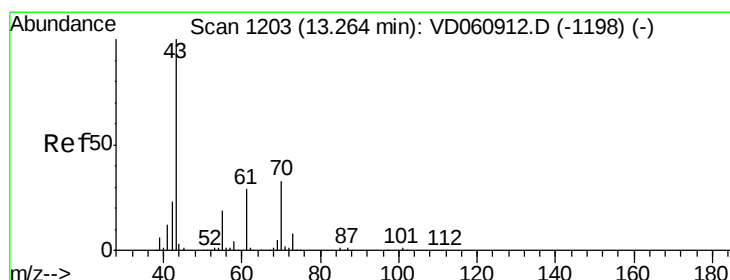
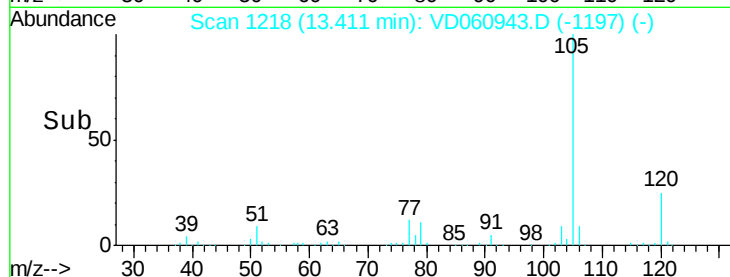
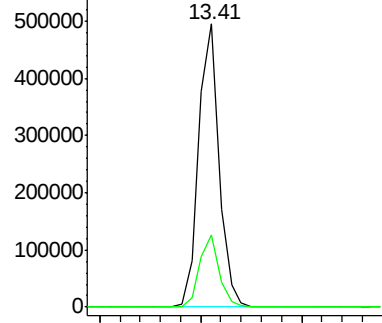
105 100

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

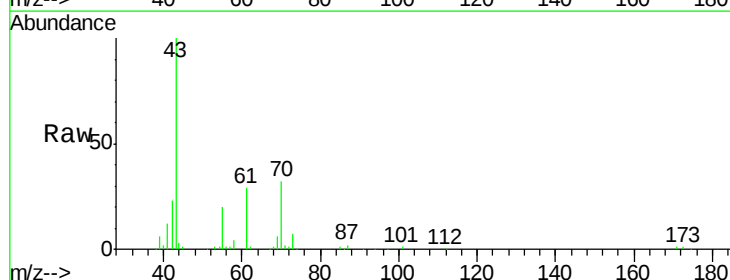
Ion Ratio Lower Upper

43 100

70 31.7 26.3 39.5

55 19.7 15.4 23.2

61 28.6 23.4 35.0

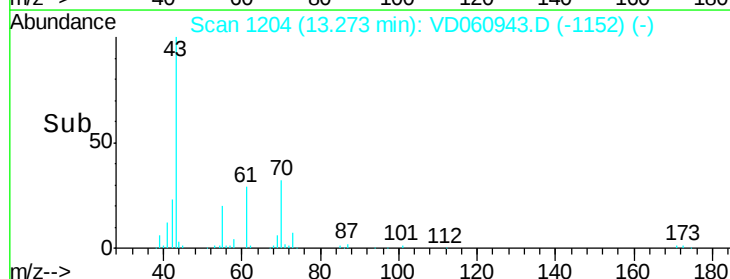
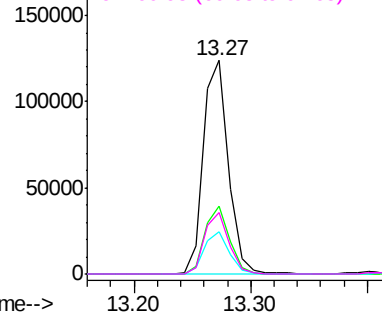


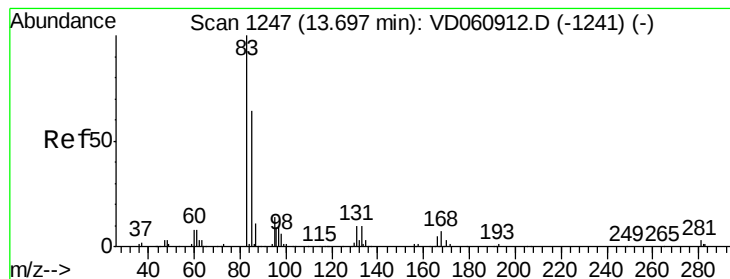
Abundance Ion 42.95 (42.65 to 43.65): V

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

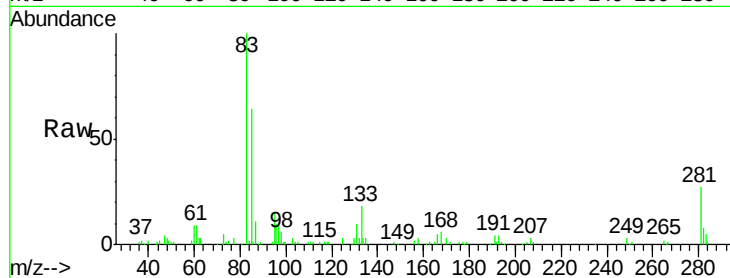
Tot Ion: 83 Resp: 128249

Ion Ratio Lower Upper

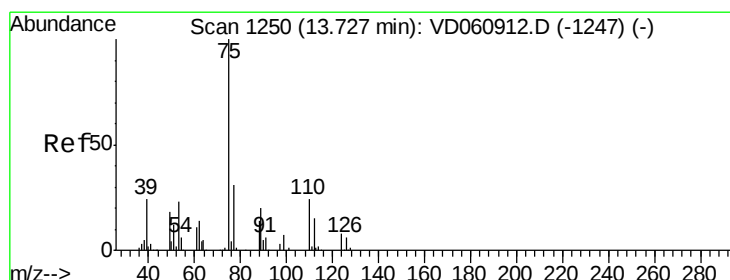
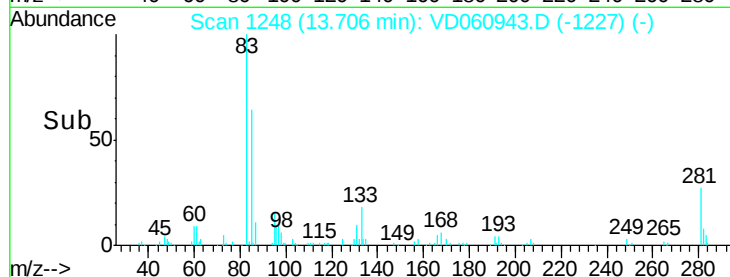
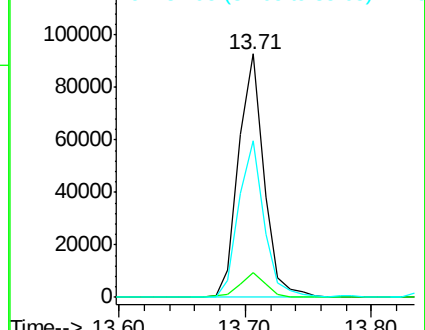
83 100

131 9.9 5.1 15.2

85 64.2 32.3 96.8



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

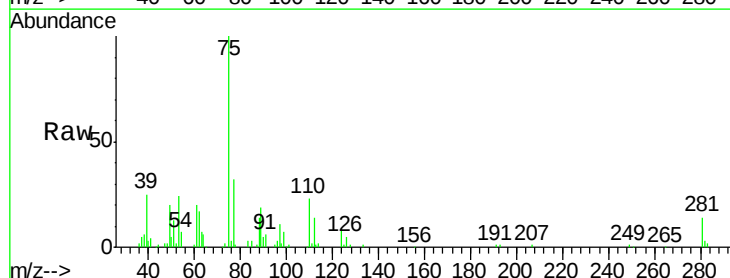
Acq: 5 Mar 2019 12:39

Tgt Ion: 75 Resp: 139550

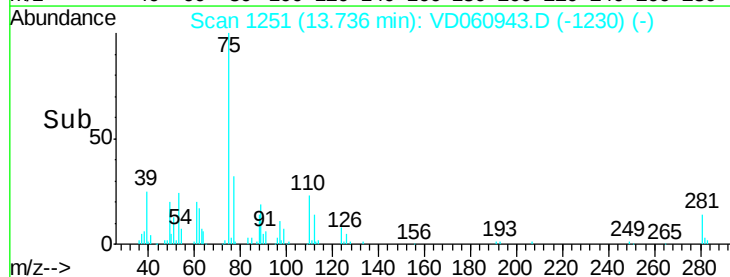
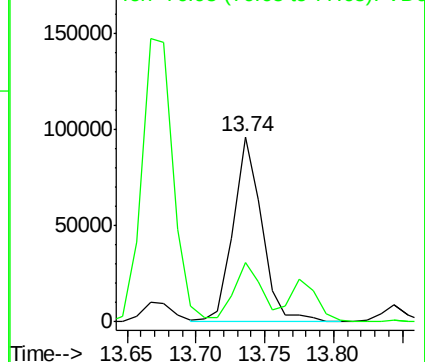
Ion Ratio Lower Upper

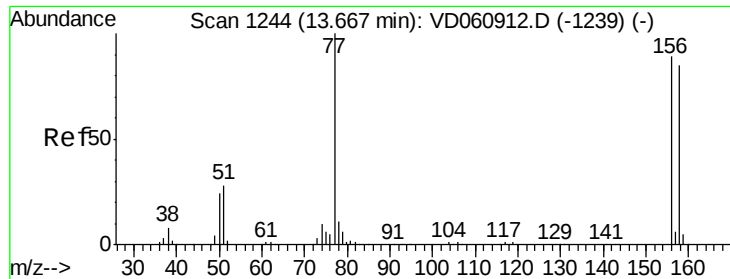
75 100

77 32.1 16.2 48.6



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

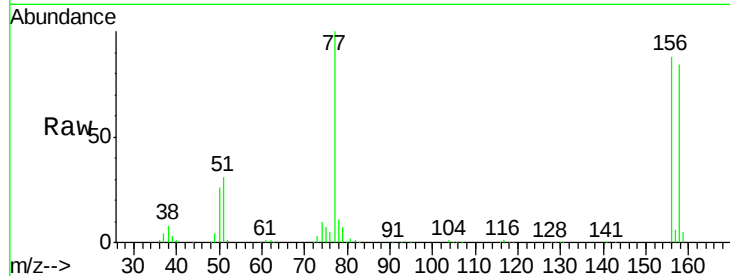
Tot Ion:156 Resp: 183687

Ion Ratio Lower Upper

156 100

77 113.4 56.4 169.2

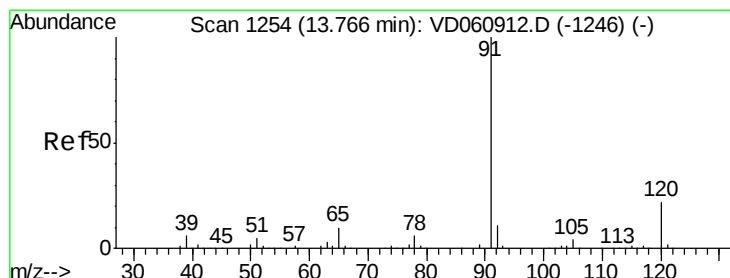
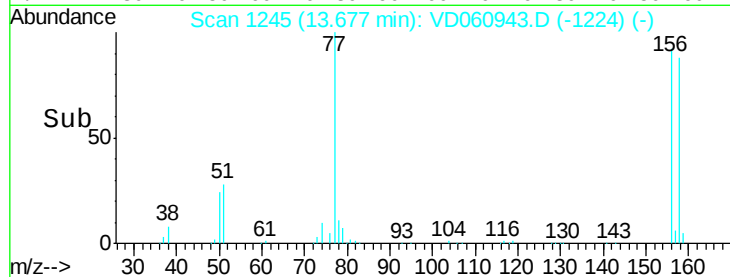
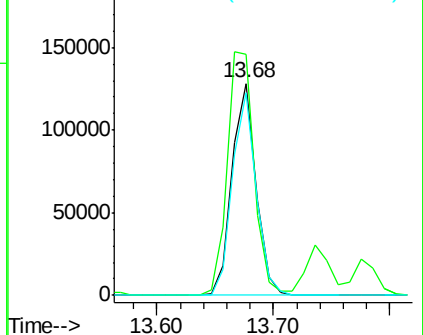
158 95.6 48.0 144.2



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

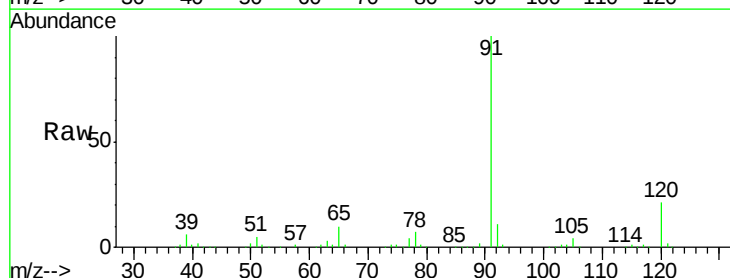
Acq: 5 Mar 2019 12:39

Tgt Ion: 91 Resp: 863366

Ion Ratio Lower Upper

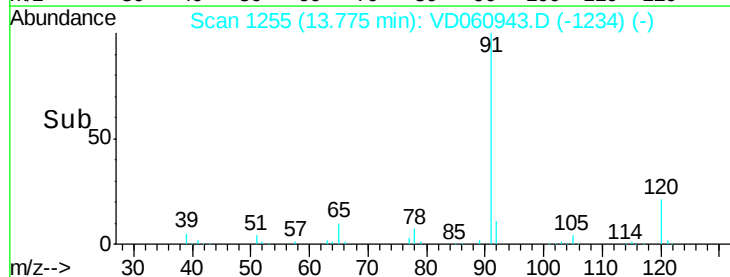
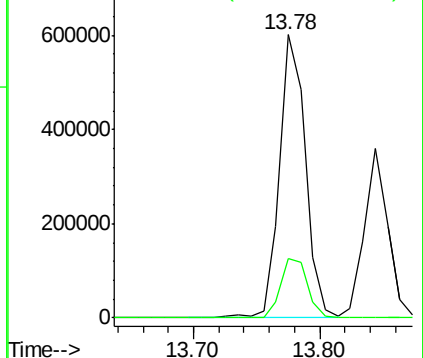
91 100

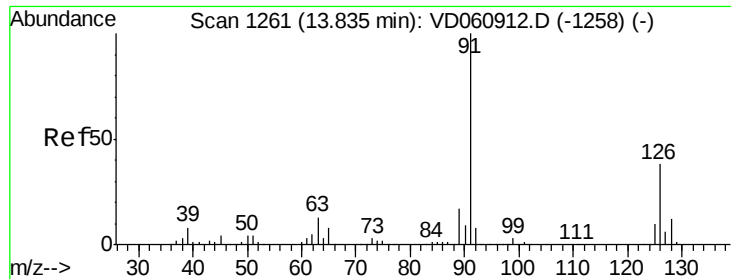
120 20.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

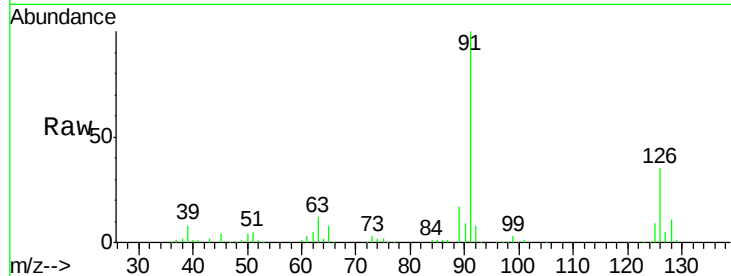




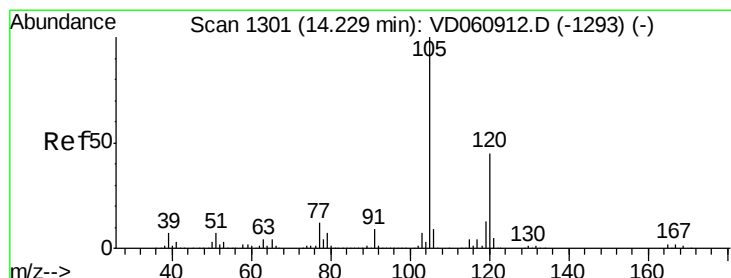
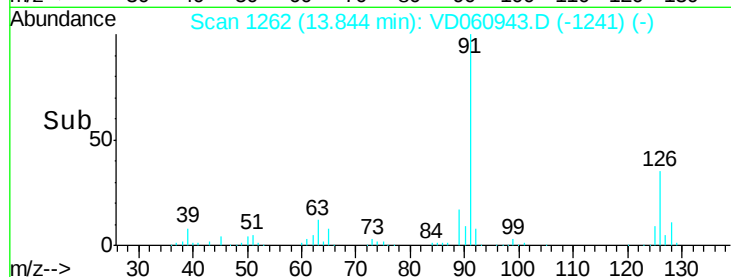
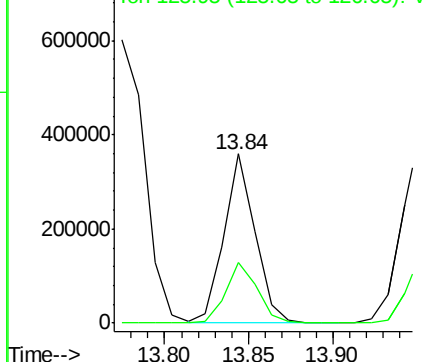
#79
2-Chlorotoluene
Concen: 18.333 ug/l
RT: 13.84 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

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

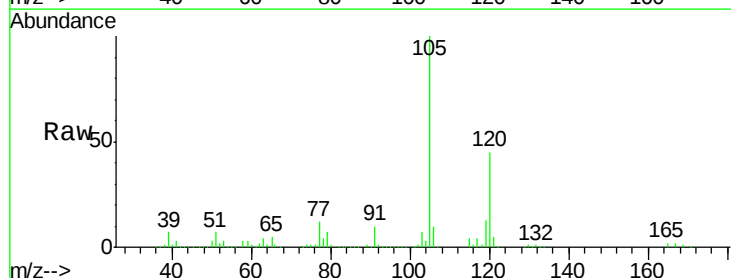


Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD060912.D (-1258) (-)

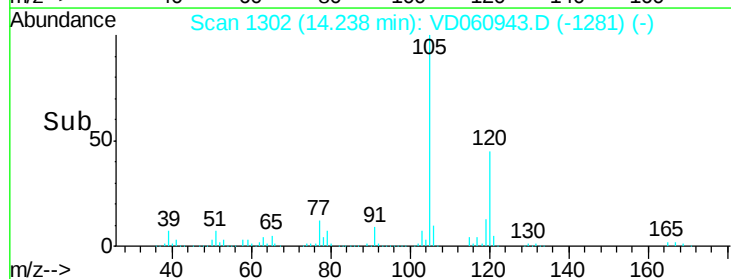
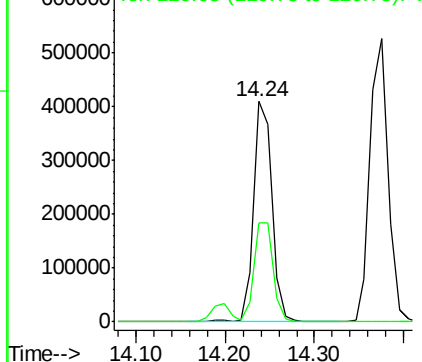


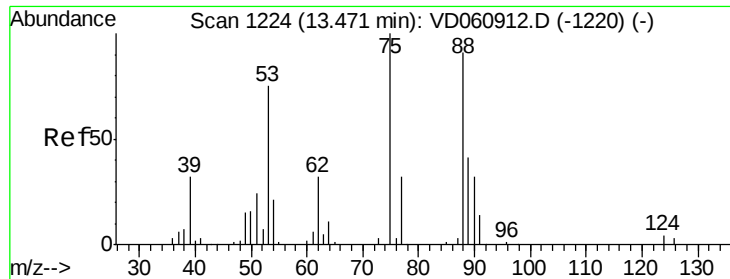
#80
1,3,5-Trimethylbenzene
Concen: 19.930 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

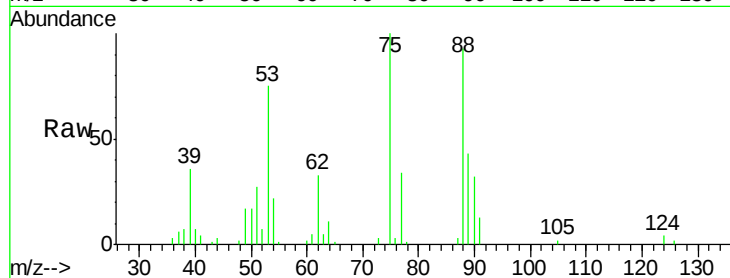
Tot Ion: 75 Resp: 40327

Ion Ratio Lower Upper

75 100

53 75.0 59.8 89.6

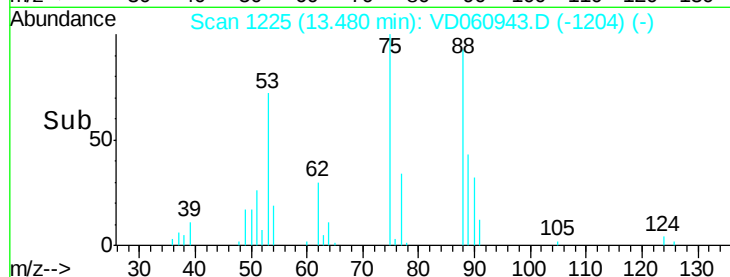
89 43.3 33.0 49.6



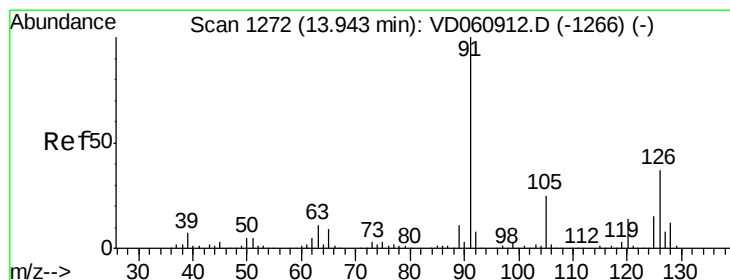
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



Time-->



#82

4-Chlorotoluene

Concen: 20.697 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD060943.D

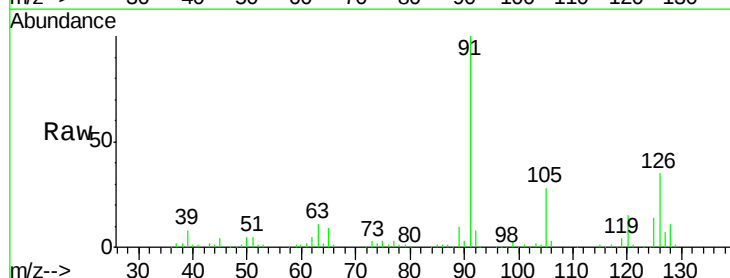
Acq: 5 Mar 2019 12:39

Tgt Ion: 91 Resp: 569341

Ion Ratio Lower Upper

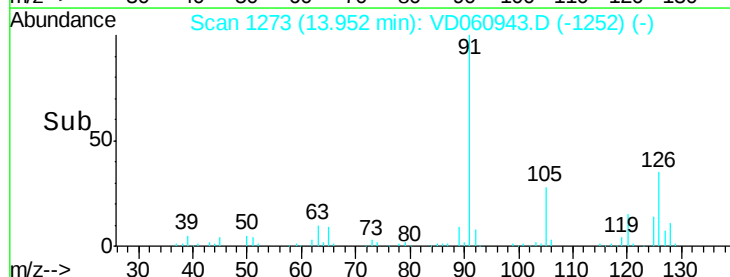
91 100

126 34.9 18.4 55.2

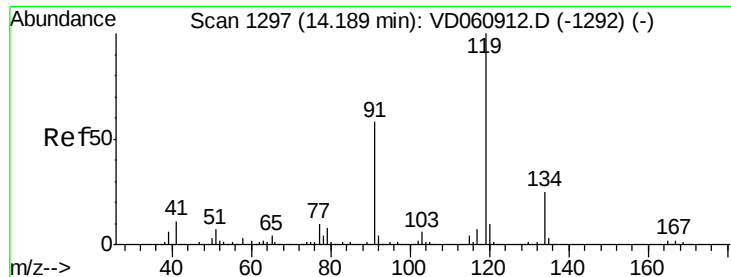


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



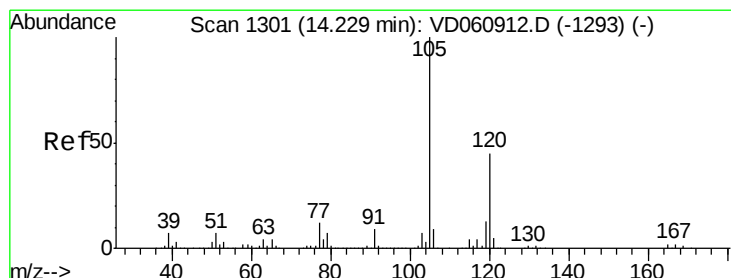
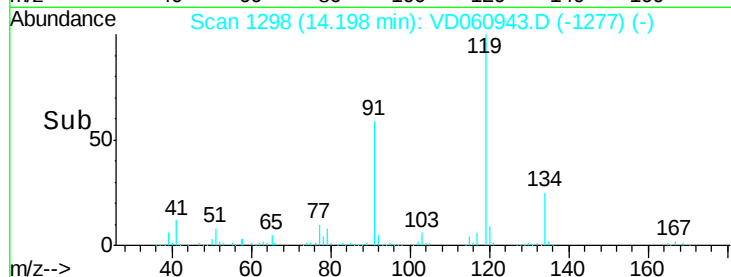
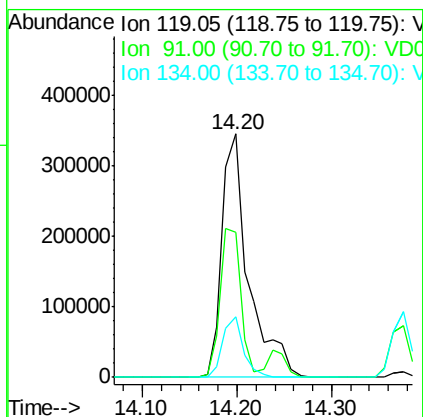
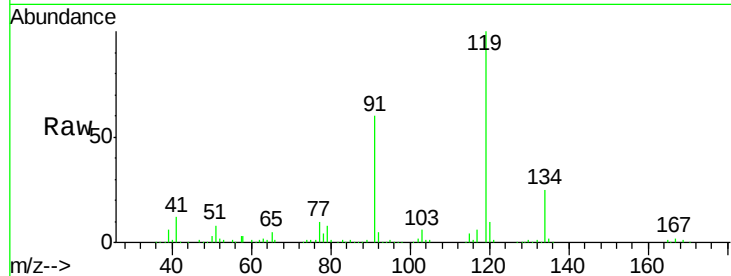
Time-->



#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

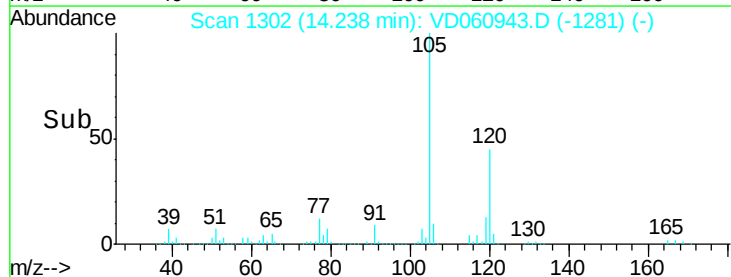
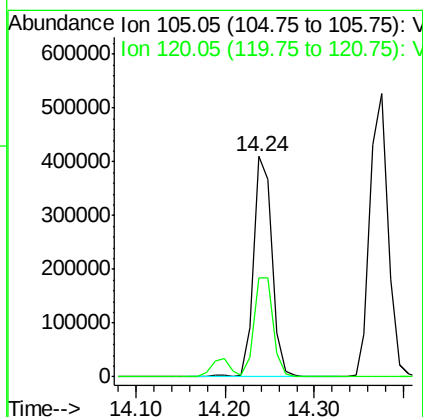
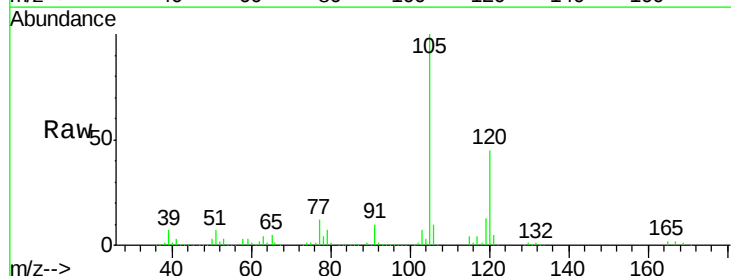
Instrument :
MSVOA_D
ClientSampleId :
VD0305SBS01

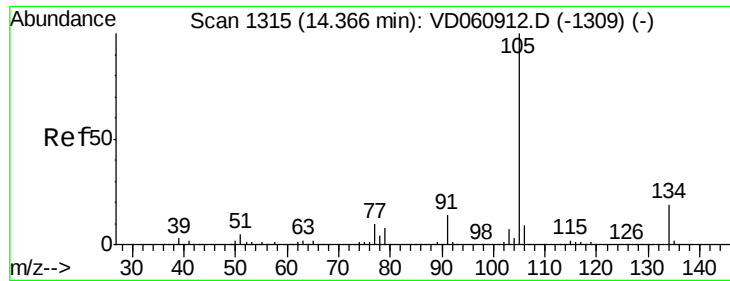
Tot Ion:119 Resp: 675320
Ion Ratio Lower Upper
119 100
91 59.6 28.8 86.5
134 25.0 12.6 37.6



#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

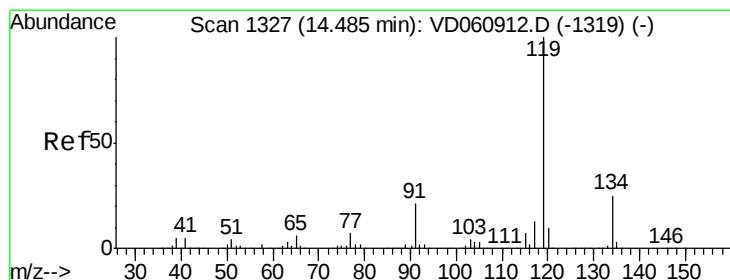
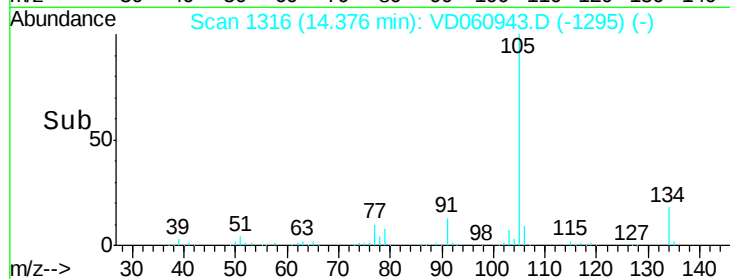
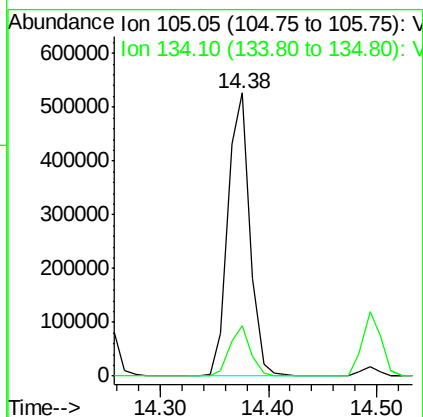
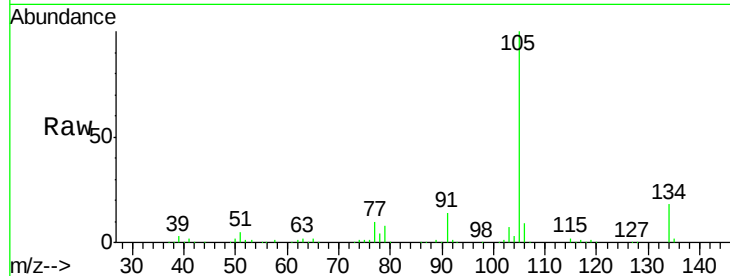




#85
 sec-Butylbenzene
 Concen: 19.220 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

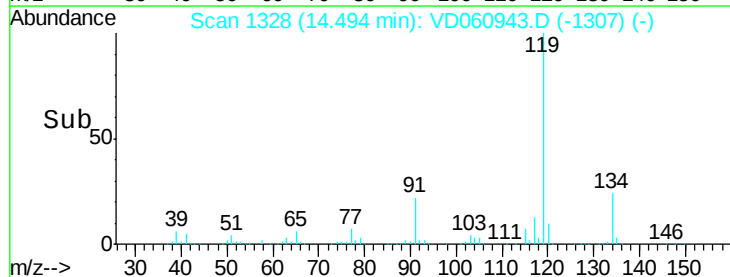
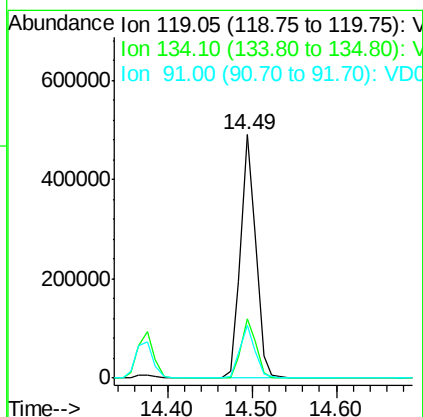
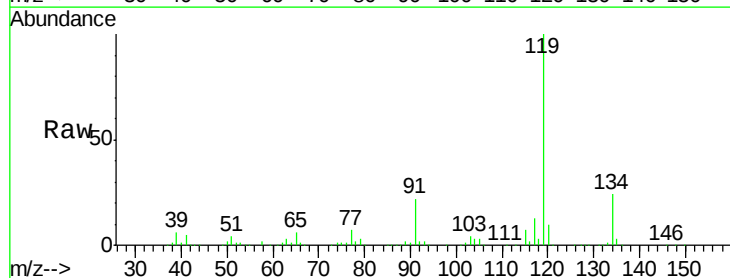
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

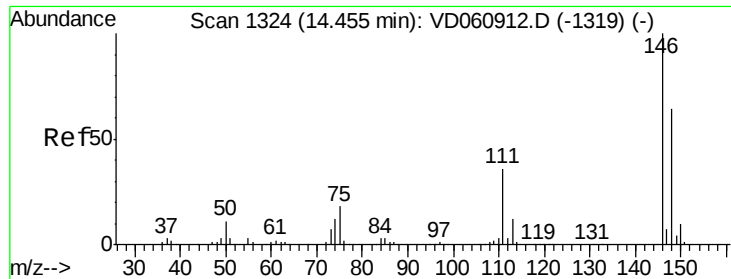
Tot Ion:105 Resp: 738458
 Ion Ratio Lower Upper
 105 100
 134 17.7 9.7 28.9



#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

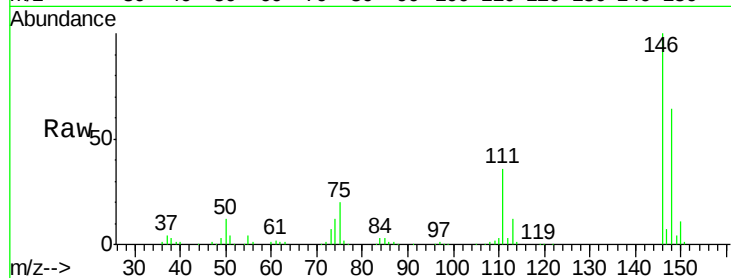




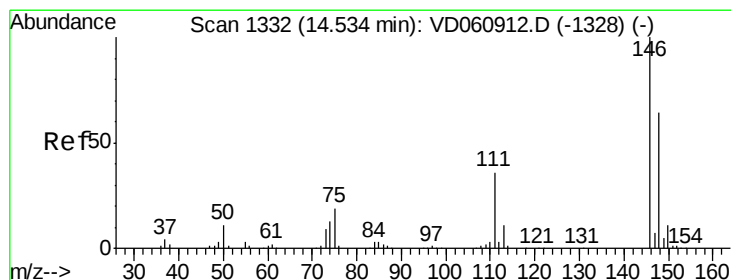
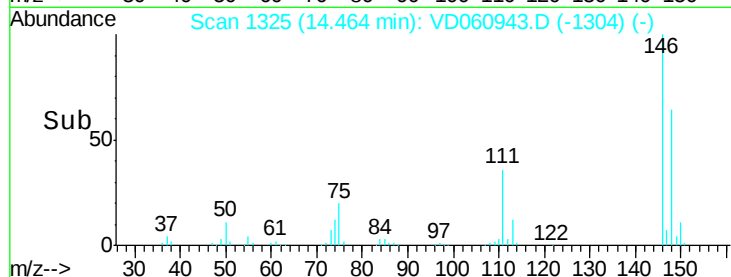
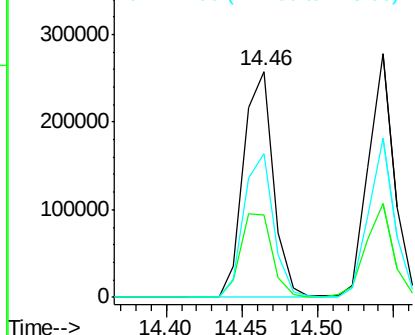
#87
 1,3-Dichlorobenzene
 Concen: 20.948 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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

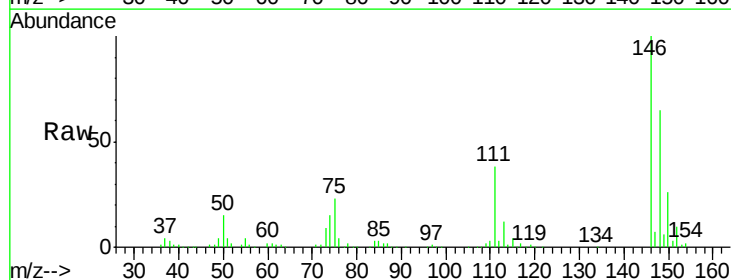


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

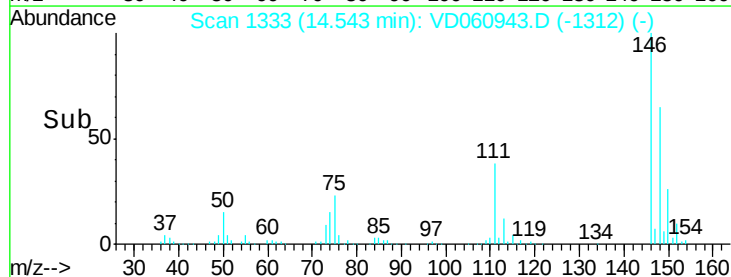
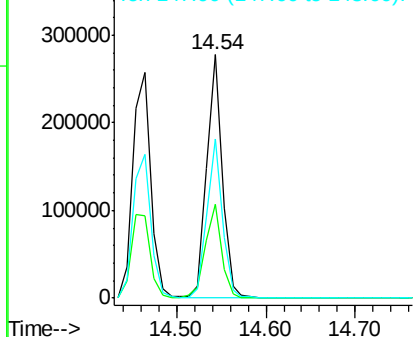


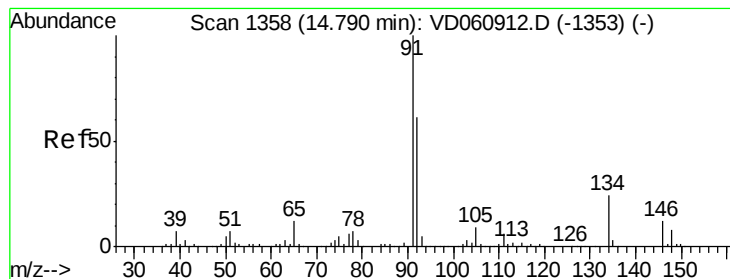
#88
 1,4-Dichlorobenzene
 Concen: 19.901 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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



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





#89

n-Butylbenzene

Concen: 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

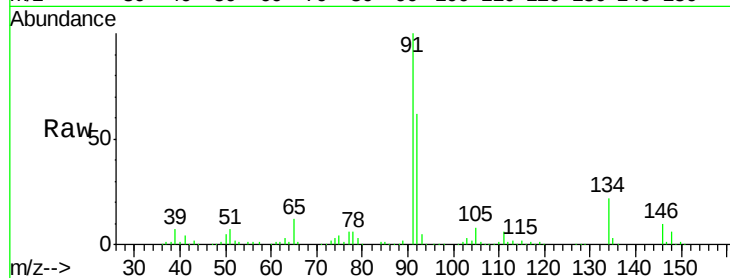
Tot Ion: 91 Resp: 585158

Ion Ratio Lower Upper

91 100

92 61.8 30.6 91.6

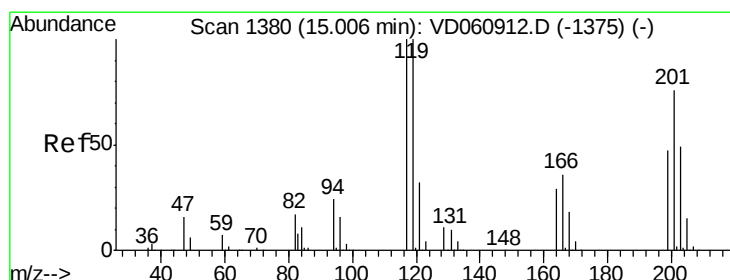
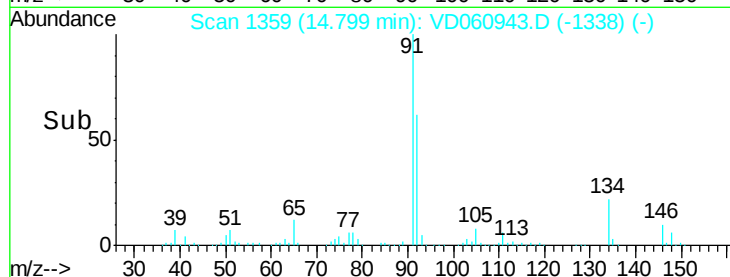
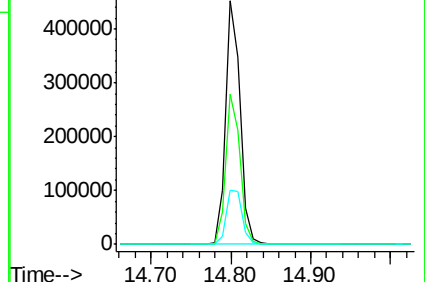
134 22.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 17.967 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD060943.D

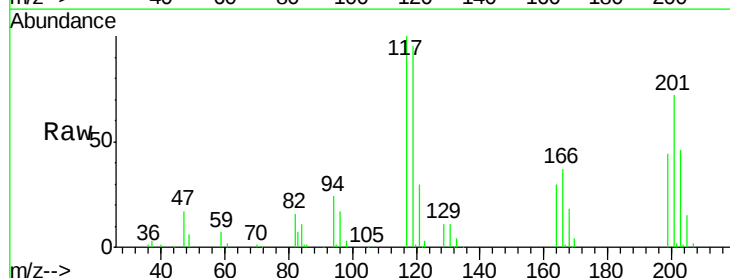
Acq: 5 Mar 2019 12:39

Tgt Ion: 117 Resp: 162157

Ion Ratio Lower Upper

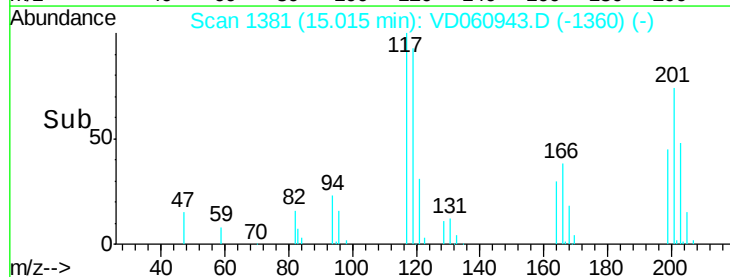
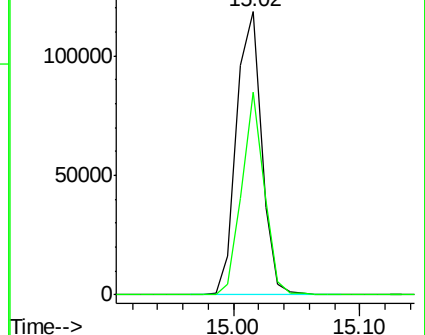
117 100

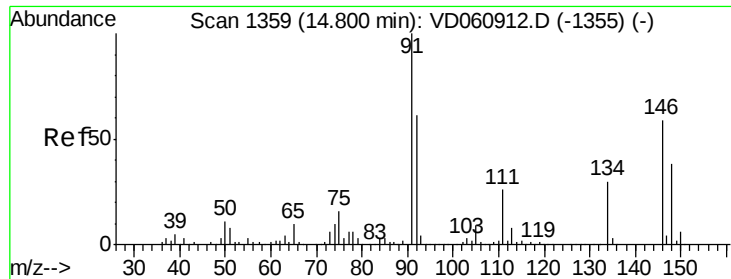
201 71.7 37.8 113.4



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

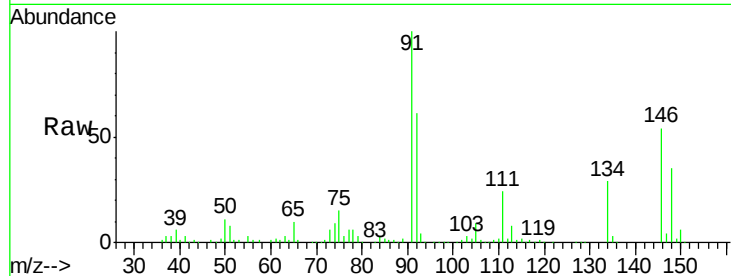




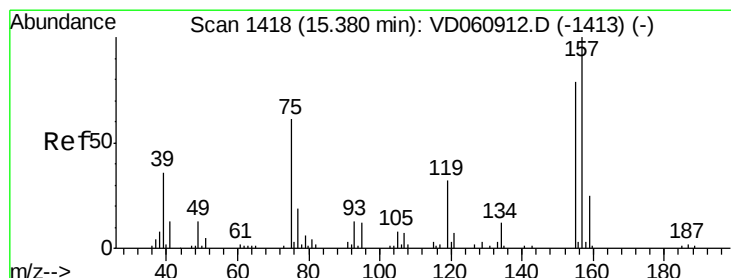
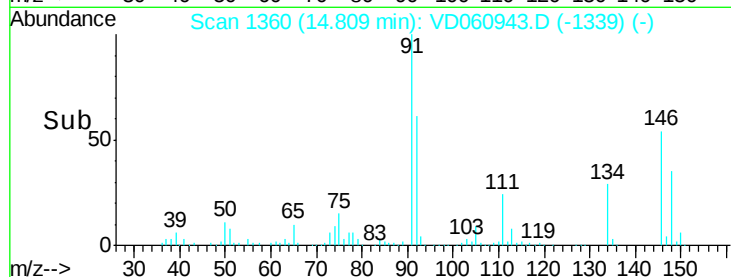
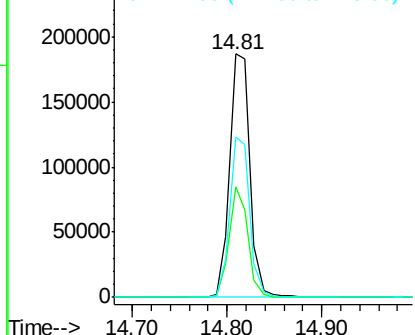
#91
 1,2-Dichlorobenzene
 Concen: 18.895 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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

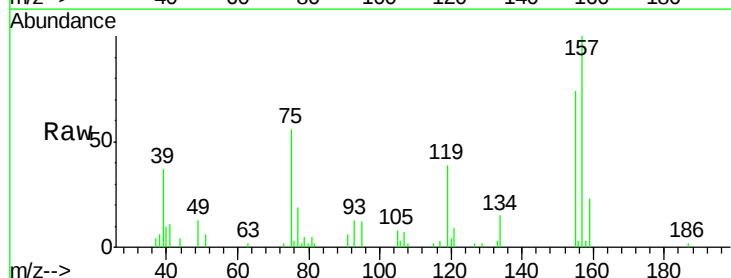


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

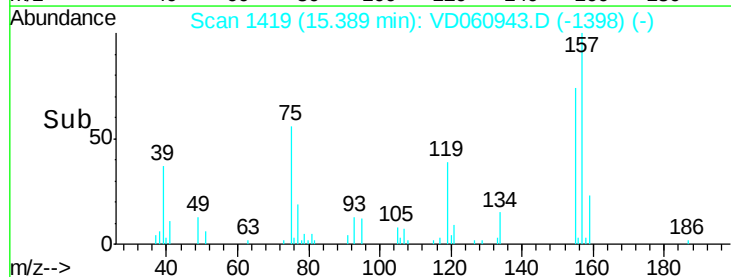
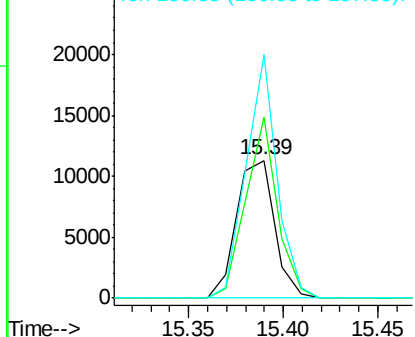


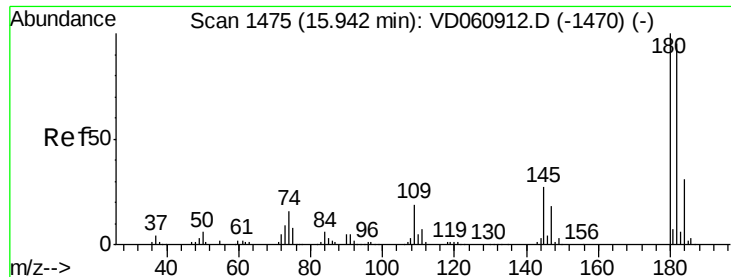
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.938 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

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

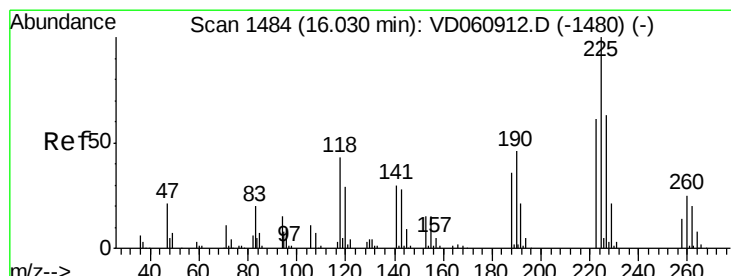
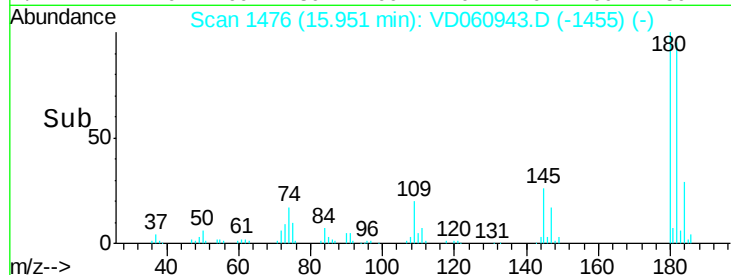
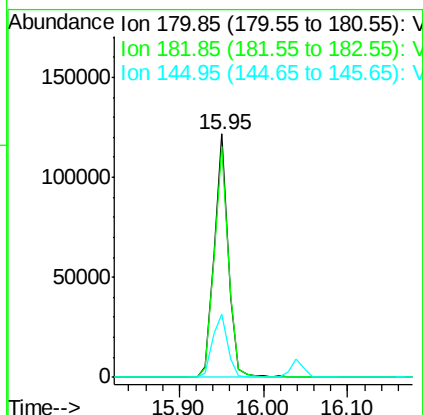
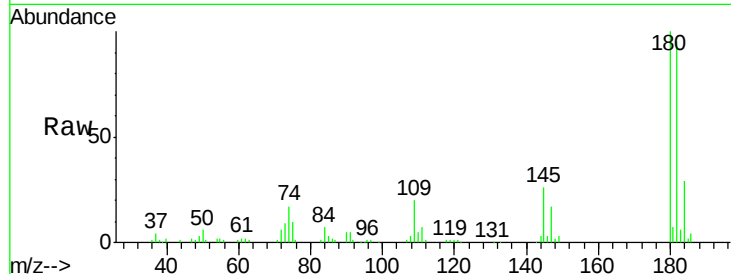




#93
 1,2,4-Trichlorobenzene
 Concen: 16.522 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD060943.D
 Acq: 5 Mar 2019 12:39

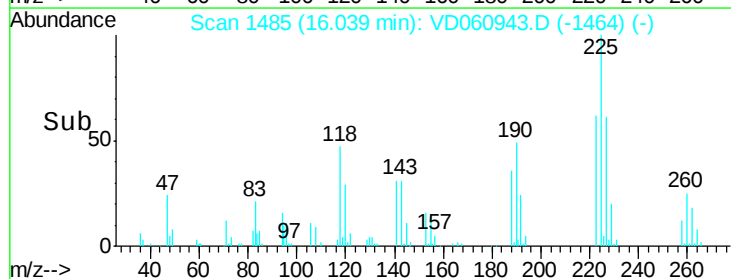
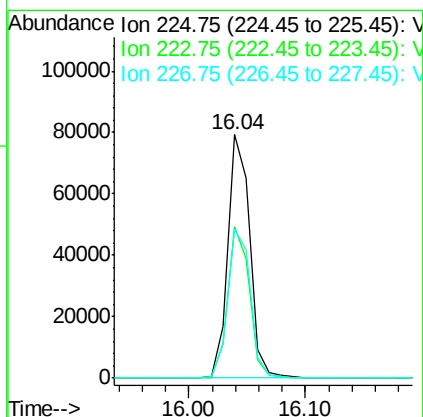
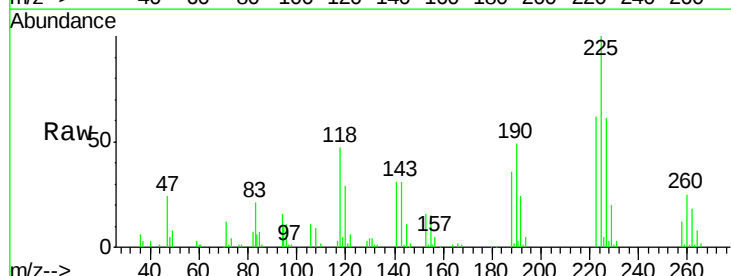
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

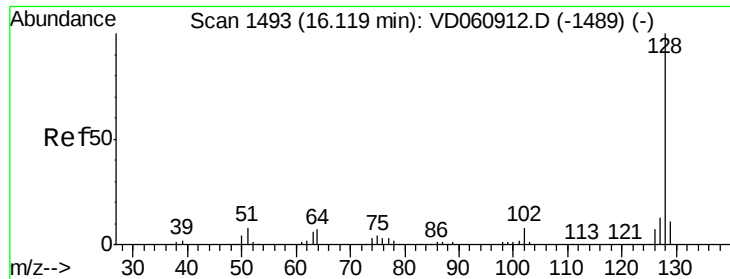
Tot Ion:180 Resp: 140886
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.5 142.6
 145 26.2 13.5 40.5



#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

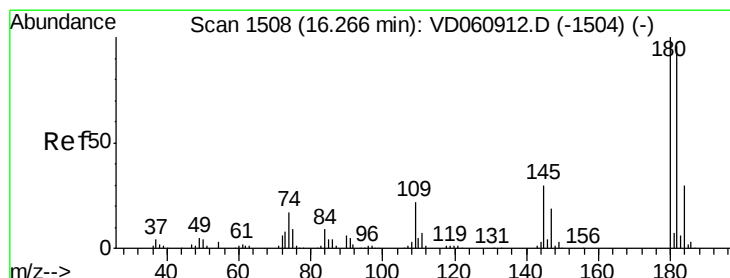
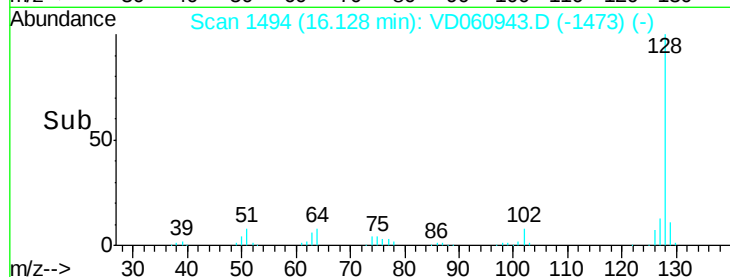
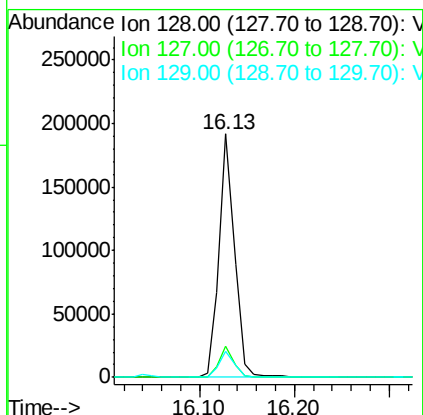
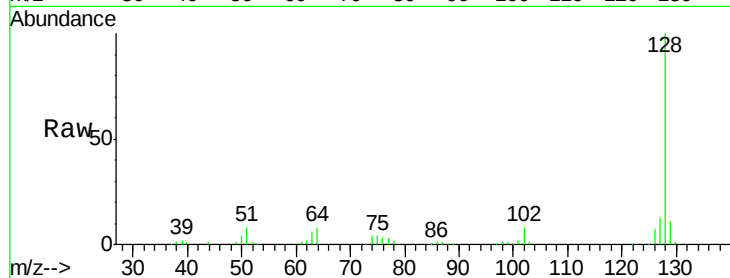




#95
Naphthalene
Concen: 16.412 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060943.D
Acq: 5 Mar 2019 12:39

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

