

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD031119\
 Data File : VD061016.D
 Acq On : 11 Mar 2019 20:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 12 07:58:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	674947	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1074772	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	927705	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	391767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	271303	48.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	6.94	113	441691	55.38	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.76%	
50) Toluene-d8	10.42	98	996802	49.77	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	13.56	95	413353	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	315233	47.150	ug/l	98
3) Chloromethane	1.76	50	250410	44.961	ug/l	99
4) Vinyl Chloride	1.86	62	246594	47.916	ug/l	98
5) Bromomethane	2.17	94	59874	71.833	ug/l	90
6) Chloroethane	2.29	64	96056	62.358	ug/l	97
7) Trichlorofluoromethane	2.54	101	391845	53.002	ug/l	100
8) Diethyl Ether	2.89	74	121855	49.963	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.17	101	404969	48.996	ug/l	98
10) Methyl Iodide	3.33	142	509892	45.101	ug/l	99
11) Tert butyl alcohol	4.07	59	83934	234.674	ug/l	96
12) 1,1-Dichloroethene	3.14	96	336438	49.658	ug/l	97
13) Acrolein	3.05	56	128816	248.917	ug/l	97
14) Allyl chloride	3.64	41	514412	47.455	ug/l	97
15) Acrylonitrile	4.21	53	292772	231.606	ug/l	95
16) Acetone	3.23	43	368791	229.553	ug/l	99
17) Carbon Disulfide	3.40	76	1073750	46.982	ug/l	99
18) Methyl Acetate	3.66	43	153699	48.613	ug/l	93
19) Methyl tert-butyl Ether	4.26	73	578466	48.719	ug/l	96
20) Methylene Chloride	3.83	84	364993	49.809	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	352248	48.035	ug/l	99
22) Diisopropyl ether	5.13	45	1053848	46.831	ug/l	97
23) Vinyl Acetate	5.07	43	2754549	238.452	ug/l	100
24) 1,1-Dichloroethane	5.01	63	593674	48.151	ug/l	98
25) 2-Butanone	6.09	43	441807	242.351	ug/l	98
26) 2,2-Dichloropropane	6.04	77	474463	49.295	ug/l	99
27) cis-1,2-Dichloroethene	6.06	96	404215	51.953	ug/l	98
28) Bromochloromethane	6.46	49	250707	48.032	ug/l	97
29) Tetrahydrofuran	6.47	42	219809	222.054	ug/l	98
30) Chloroform	6.68	83	656665	51.389	ug/l	97
31) Cyclohexane	6.97	56	515989	51.902	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	562563	50.922	ug/l	97
36) 1,1-Dichloropropene	7.16	75	486883	52.554	ug/l	97
37) Ethyl Acetate	6.20	43	206815	47.572	ug/l	96
38) Carbon Tetrachloride	7.13	117	580681	56.902	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	513514	53.455	ug/l	98
40) Benzene	7.47	78	1187193	51.284	ug/l	99
41) Methacrylonitrile	6.46	41	241626	48.320	ug/l	98
42) 1,2-Dichloroethane	7.59	62	355749	52.956	ug/l	98
43) Isopropyl Acetate	9.25	43	280977	46.663	ug/l	100
44) Trichloroethene	8.56	130	430327	53.883	ug/l	98
45) 1,2-Dichloropropane	8.95	63	306879	50.458	ug/l	100
46) Dibromomethane	9.07	93	209460	54.294	ug/l	94
47) Bromodichloromethane	9.39	83	445471	51.170	ug/l	99
48) Methyl methacrylate	9.13	41	170570	50.312	ug/l	98
49) 1,4-Dioxane	9.09	88	33496	977.085	ug/l	90
51) 4-Methyl-2-Pentanone	10.31	43	940462	254.947	ug/l	99
52) Toluene	10.52	92	736154	51.139	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	432231	54.298	ug/l	100
54) cis-1,3-Dichloropropene	10.06	75	533935	55.824	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	248256	51.786	ug/l	97
56) Ethyl methacrylate	11.05	69	258931	51.602	ug/l	94
57) 1,3-Dichloropropane	11.41	76	379897	53.029	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	661185	248.936	ug/l	99
59) 2-Hexanone	11.54	43	660869	244.914	ug/l	98
60) Dibromochloromethane	11.70	129	361323	51.213	ug/l	97
61) 1,2-Dibromoethane	11.82	107	286068	51.297	ug/l	98
64) Tetrachloroethene	11.27	164	338538	54.059	ug/l	98
65) Chlorobenzene	12.41	112	947437	52.094	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	349724	53.946	ug/l	97
67) Ethyl Benzene	12.54	91	1425842	52.661	ug/l	100
68) m/p-Xylenes	12.67	106	996780	93.796	ug/l	96
69) o-Xylene	13.06	106	521284	49.902	ug/l	98
70) Styrene	13.08	104	833932	48.890	ug/l	98
71) Bromoform	13.24	173	202450	48.409	ug/l	98
73) Isopropylbenzene	13.41	105	1369735	48.514	ug/l	98
74) N-amyl acetate	13.27	43	337278	42.425	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	260025	47.204	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	265326	47.075	ug/l	100
77) Bromobenzene	13.68	156	380017	52.727	ug/l	96
78) n-propylbenzene	13.78	91	1696303	51.320	ug/l	100
79) 2-Chlorotoluene	13.85	91	902267	49.583	ug/l	98
80) 1,3,5-Trimethylbenzene	14.25	105	1121428	52.320	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	80523	48.458	ug/l	95
82) 4-Chlorotoluene	13.95	91	1007036	46.812	ug/l	100
83) tert-Butylbenzene	14.20	119	1336328	56.969	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1121428	52.320	ug/l	94
85) sec-Butylbenzene	14.38	105	1397324	48.795	ug/l	99
86) p-Isopropyltoluene	14.49	119	1225820	52.369	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	675019	52.450	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	612954	48.467	ug/l	99
89) n-Butylbenzene	14.80	91	1100006	48.936	ug/l	98
90) Hexachloroethane	15.02	117	328337	49.675	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	546101	50.900	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	32284	48.634	ug/l	100

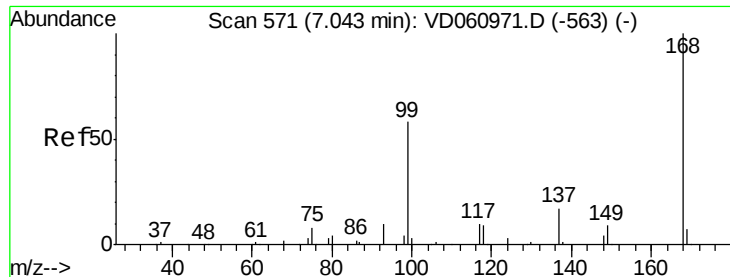
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	239833	48.187	ug/l	98
94) Hexachlorobutadiene	16.04	225	191948	50.987	ug/l	99
95) Naphthalene	16.13	128	340554	45.027	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	110139	44.804	ug/l	97

(#) = 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: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

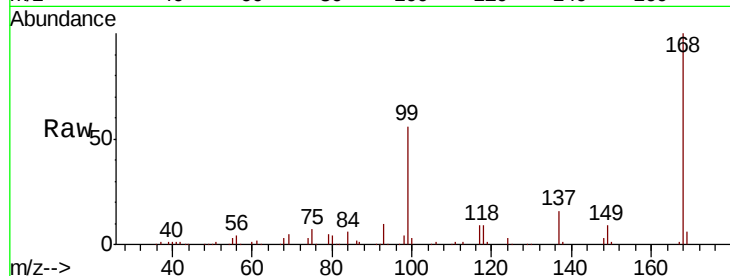
VSTDCCC050EC

Tot Ion:168 Resp: 674947

Ion Ratio Lower Upper

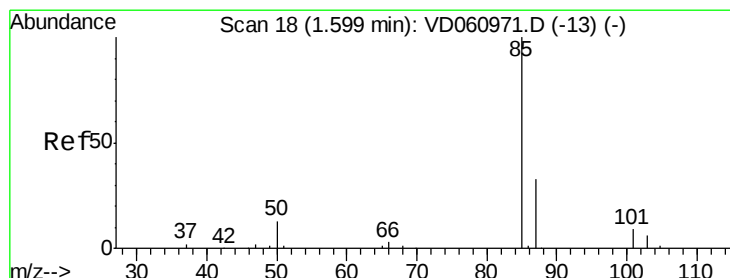
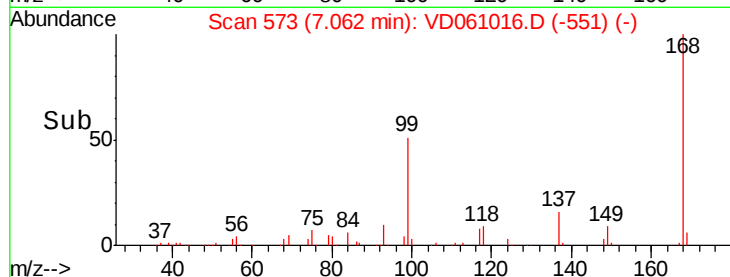
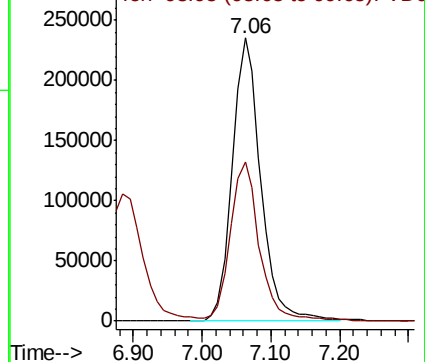
168 100

99 56.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.150 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061016.D

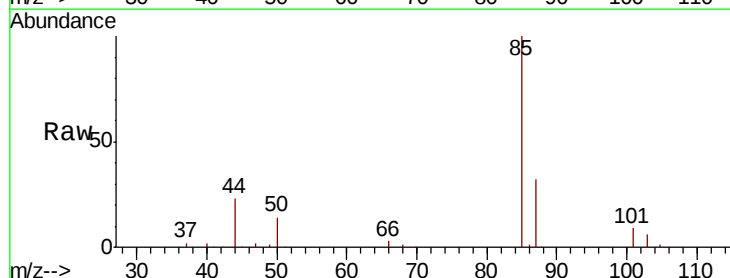
Acq: 11 Mar 2019 20:48

Tgt Ion: 85 Resp: 315233

Ion Ratio Lower Upper

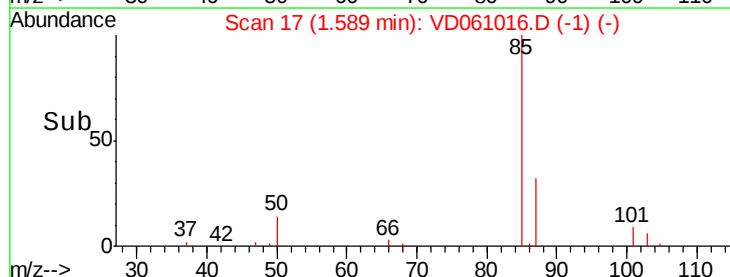
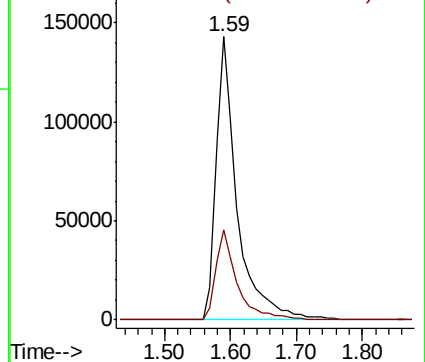
85 100

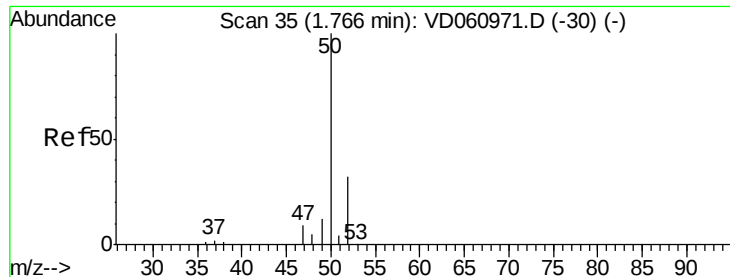
87 32.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.961 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

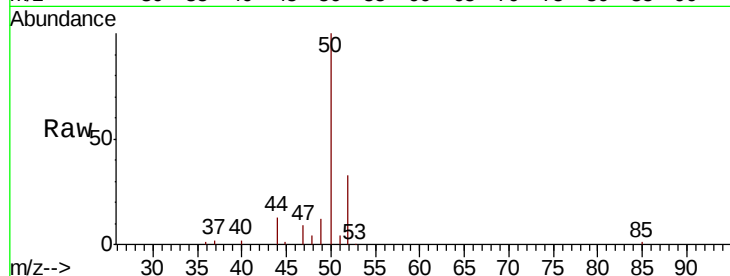
VSTDCCC050EC

Tot Ion: 50 Resp: 250410

Ion Ratio Lower Upper

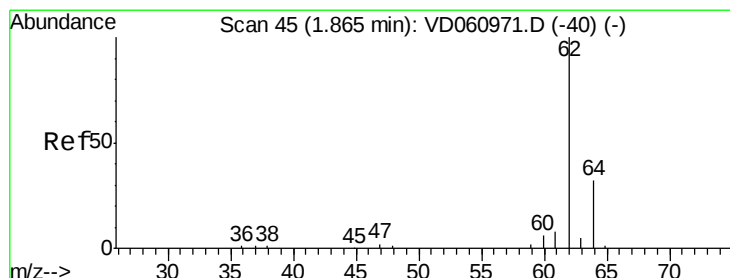
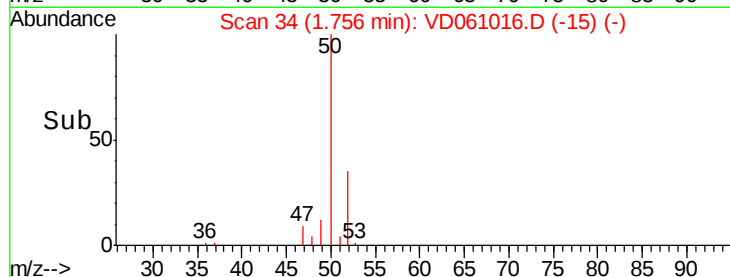
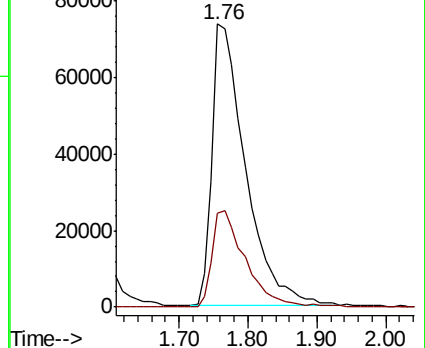
50 100

52 33.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.916 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061016.D

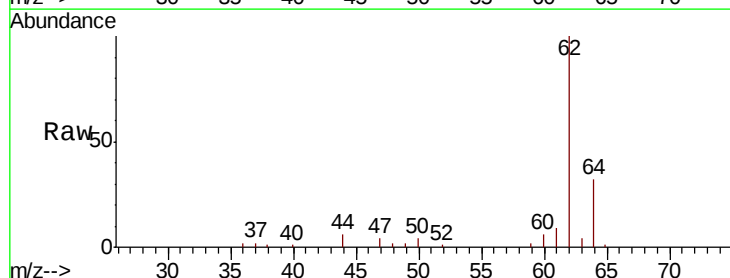
Acq: 11 Mar 2019 20:48

Tgt Ion: 62 Resp: 246594

Ion Ratio Lower Upper

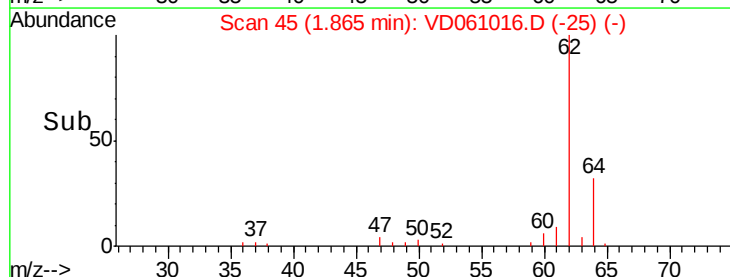
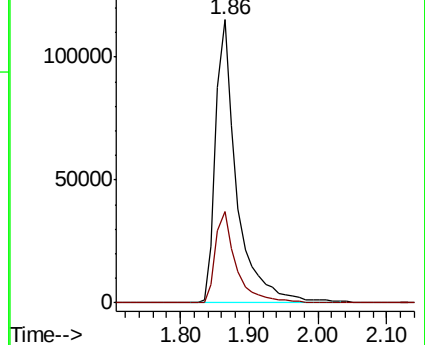
62 100

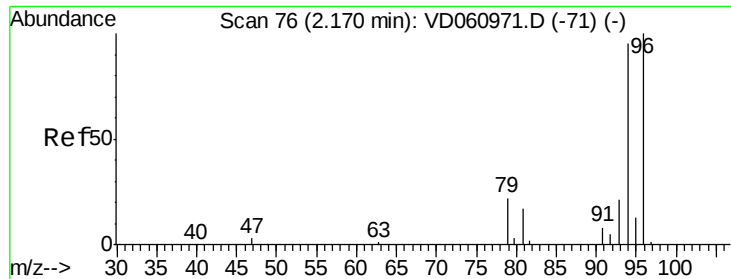
64 32.4 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 71.833 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

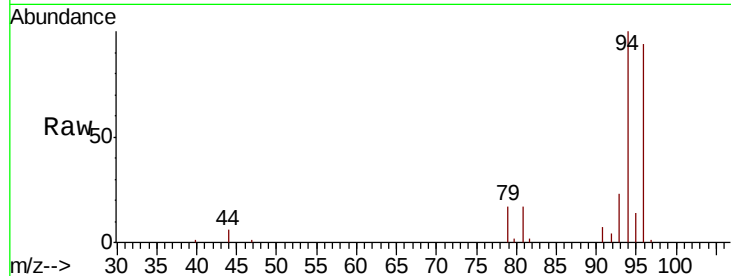
Tot Ion: 94 Resp: 59874

Ion Ratio Lower Upper

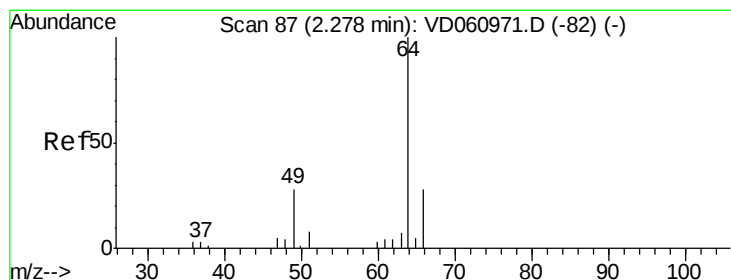
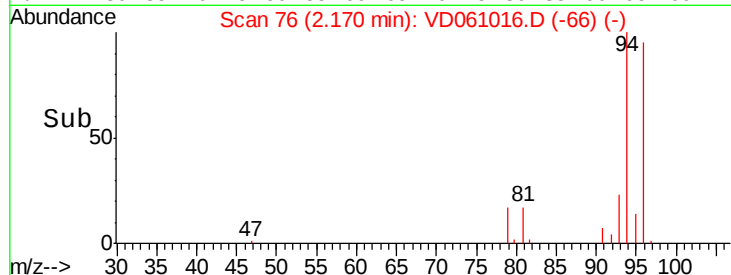
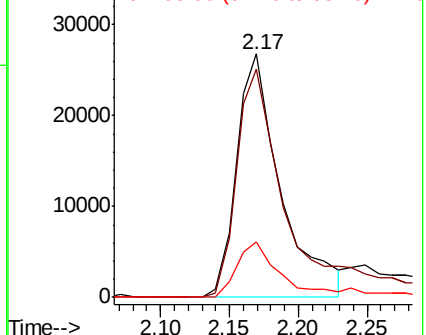
94 100

96 93.5 84.0 126.0

93 23.0 17.3 25.9



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: 62.358 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.01 min

Lab File: VD061016.D

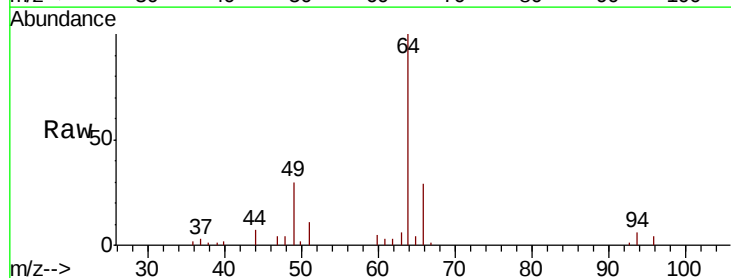
Acq: 11 Mar 2019 20:48

Tgt Ion: 64 Resp: 96056

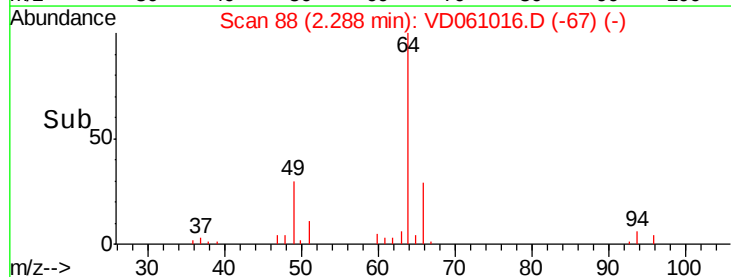
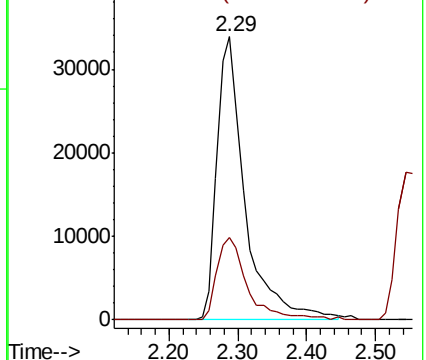
Ion Ratio Lower Upper

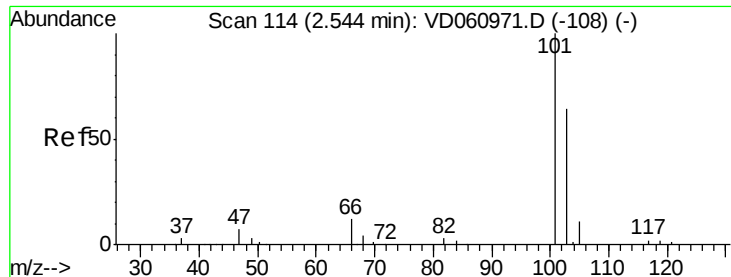
64 100

66 29.2 22.2 33.2



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



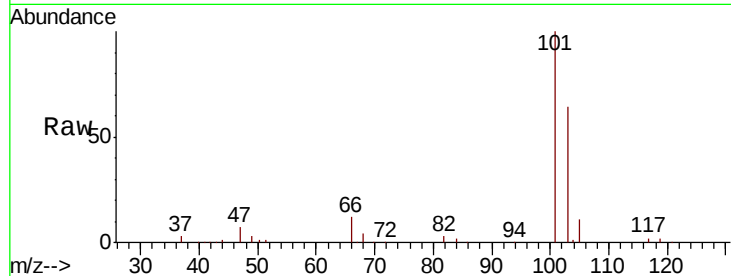


#7

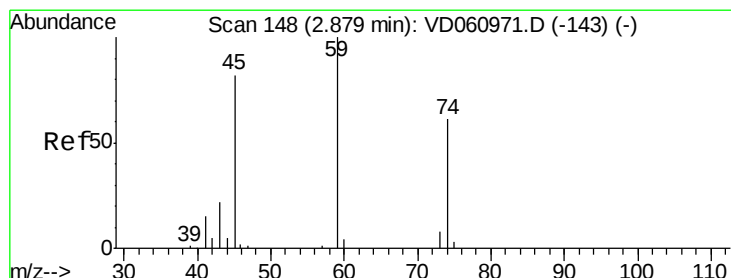
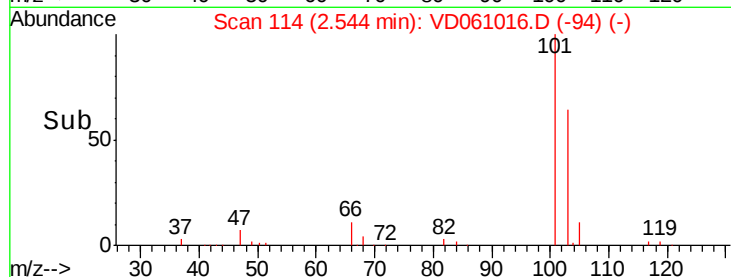
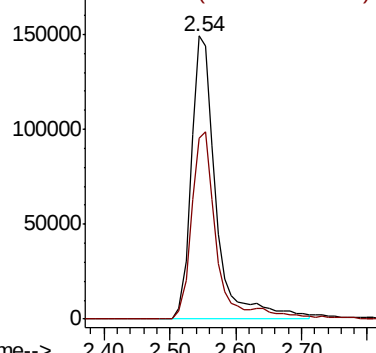
Trichlorofluoromethane
 Concen: 53.002 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Instrument :
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 VSTDCCC050EC

Tot Ion:101 Resp: 391845
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.2 76.8



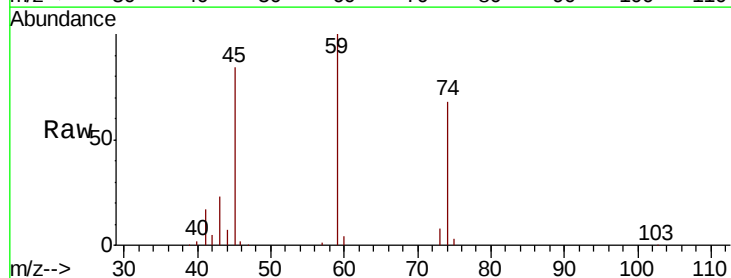
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



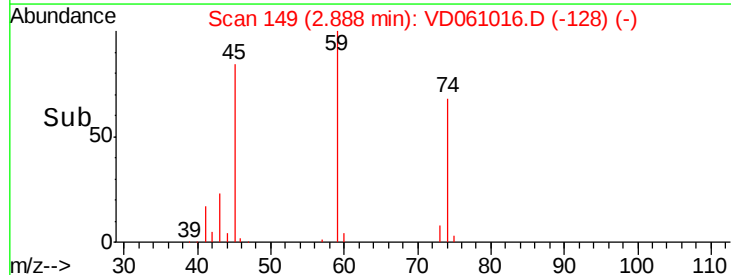
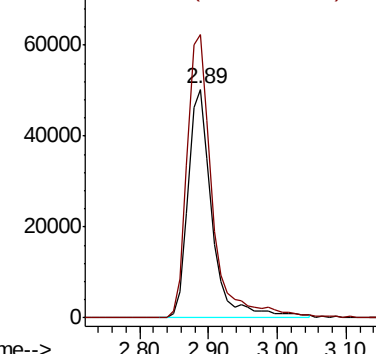
#8

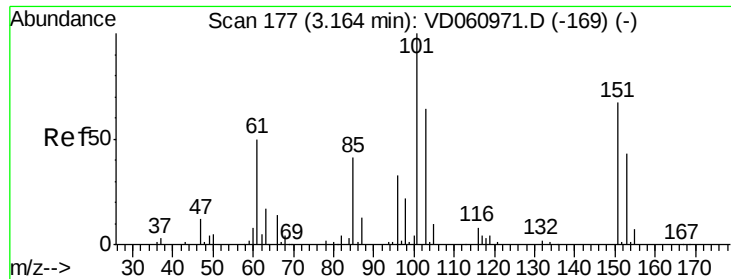
Diethyl Ether
 Concen: 49.963 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 74 Resp: 121855
 Ion Ratio Lower Upper
 74 100
 45 124.0 67.0 201.1



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: 48.996 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

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VSTDCCC050EC

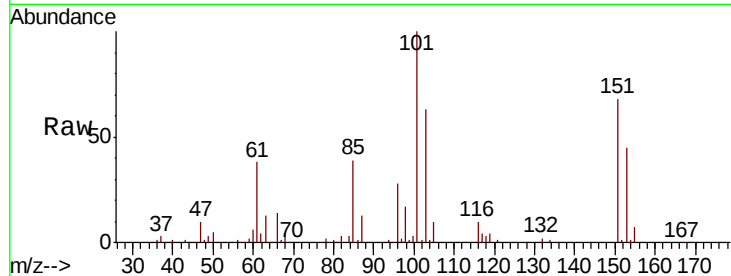
Tot Ion:101 Resp: 404969

Ion Ratio Lower Upper

101 100

85 38.8 32.5 48.7

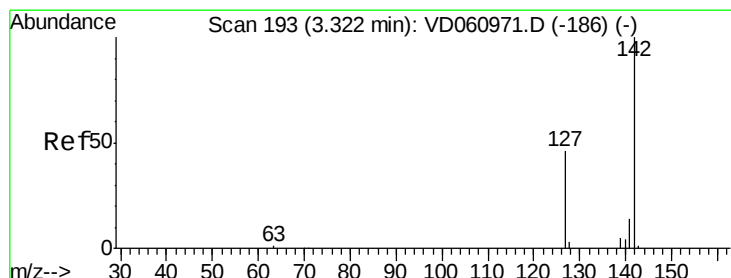
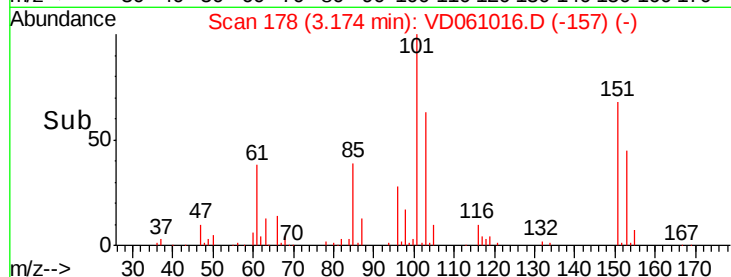
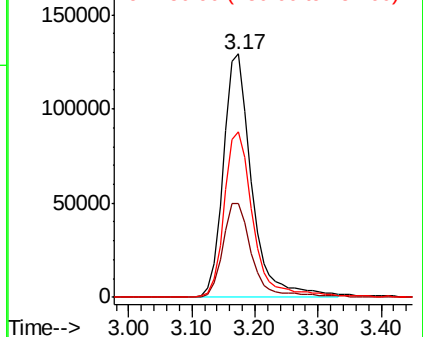
151 67.7 53.3 79.9



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: 45.101 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

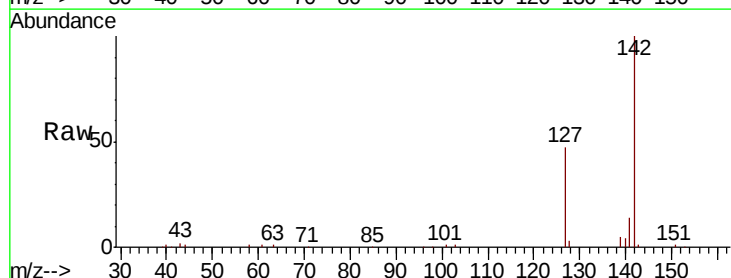
Tgt Ion:142 Resp: 509892

Ion Ratio Lower Upper

142 100

127 46.7 36.8 55.2

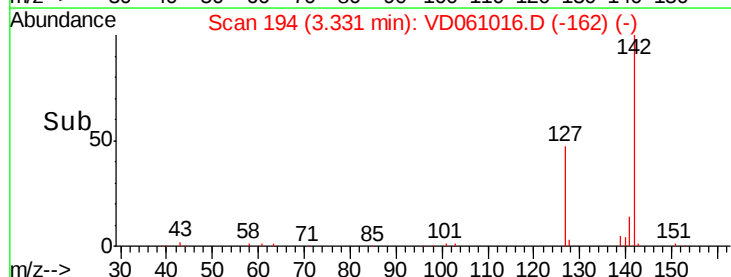
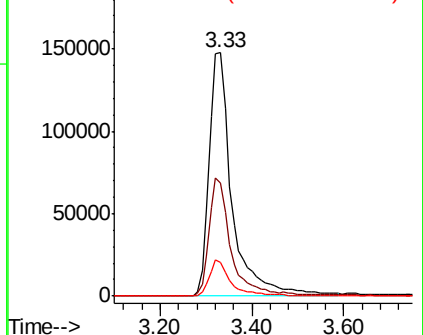
141 13.6 11.2 16.8

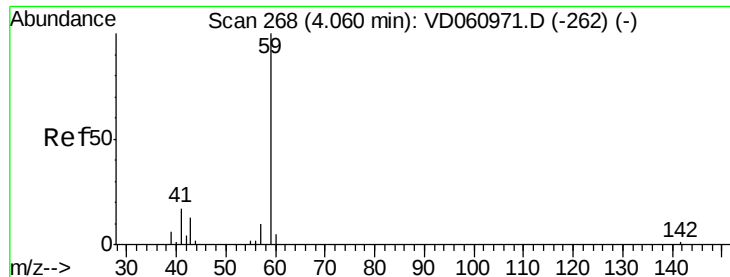


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



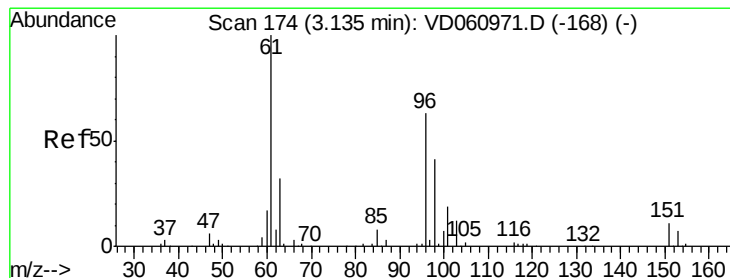
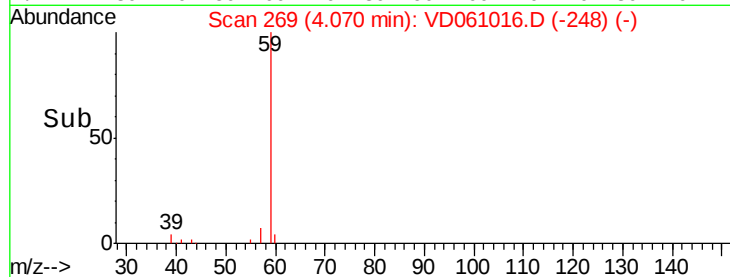
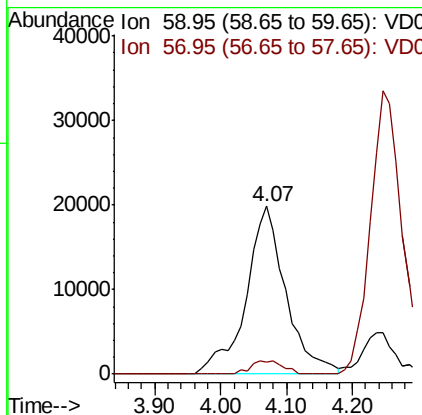
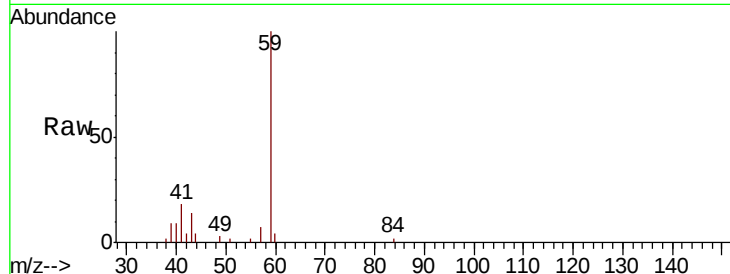


#11

Tert butyl alcohol
 Concen: 234.674 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

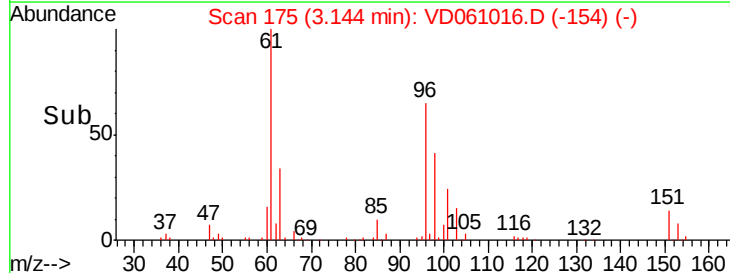
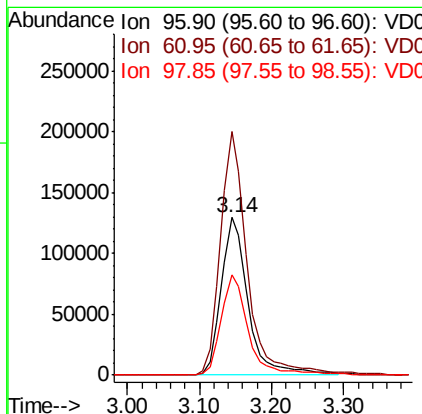
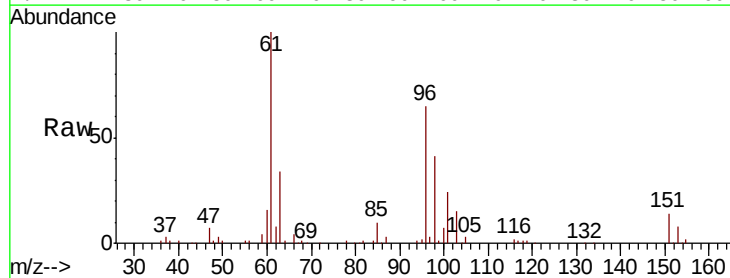
Tot Ion: 59 Resp: 83934
 Ion Ratio Lower Upper
 59 100
 57 7.4 7.1 10.7

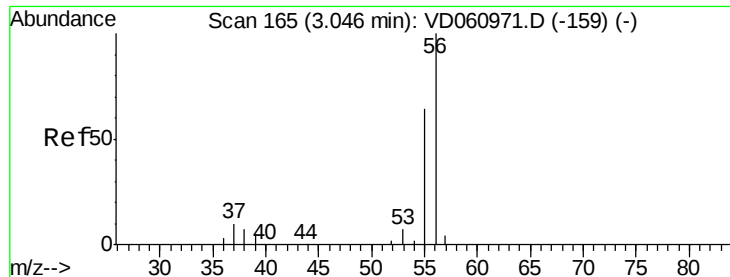


#12

1,1-Dichloroethene
 Concen: 49.658 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 96 Resp: 336438
 Ion Ratio Lower Upper
 96 100
 61 154.8 127.1 190.7
 98 63.5 51.5 77.3





#13

Acrolein

Concen: 248.917 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

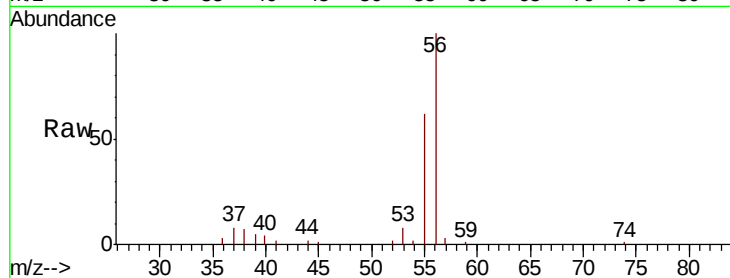
VSTDCCC050EC

Tot Ion: 56 Resp: 128816

Ion Ratio Lower Upper

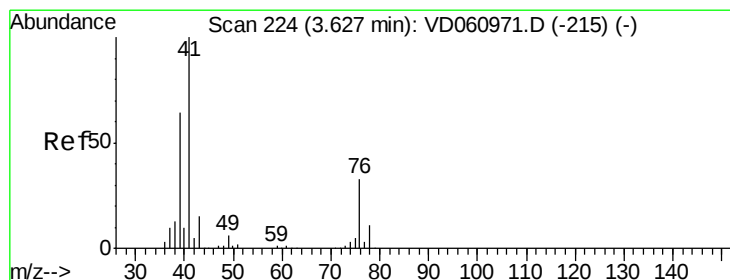
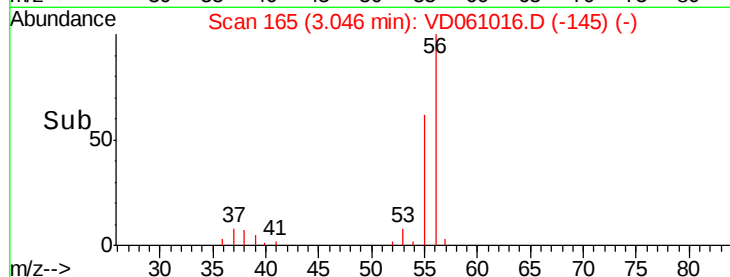
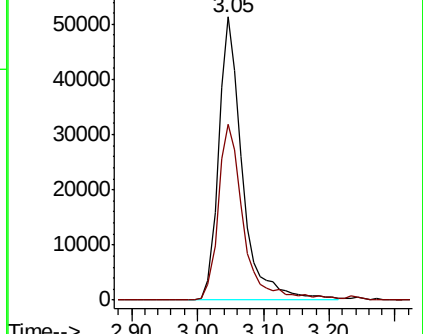
56 100

55 62.0 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.455 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

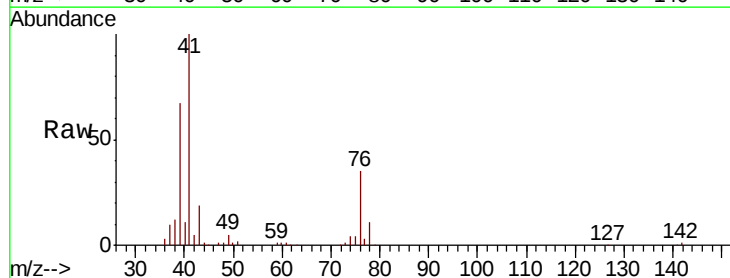
Tgt Ion: 41 Resp: 514412

Ion Ratio Lower Upper

41 100

39 66.8 51.1 76.7

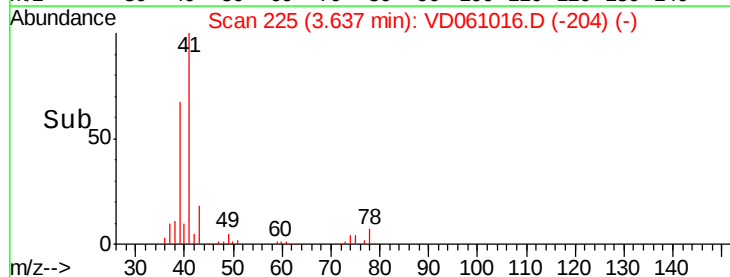
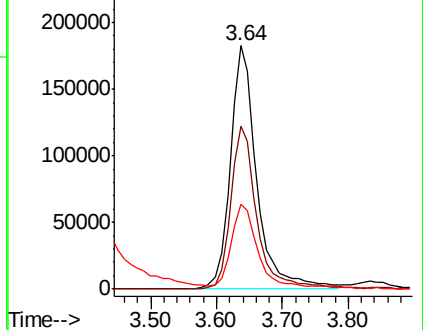
76 34.9 29.1 43.7

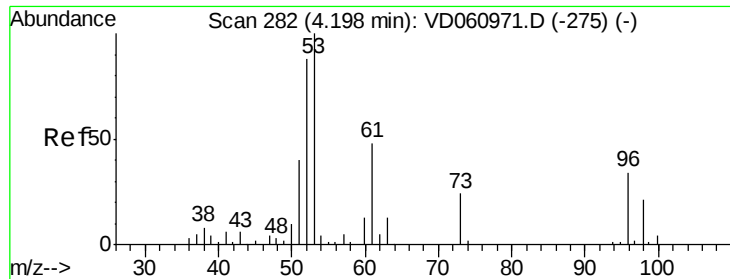


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

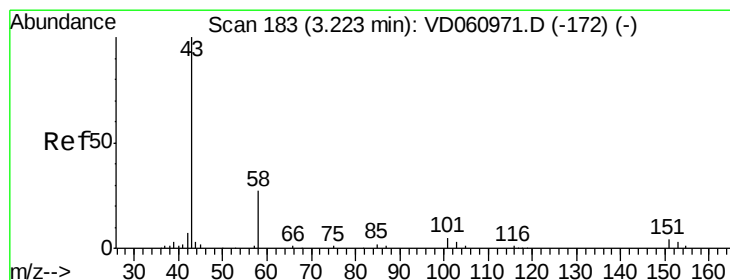
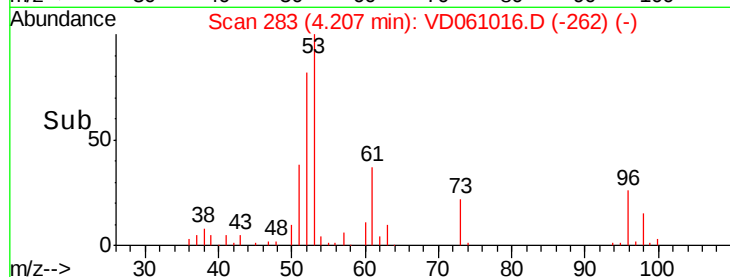
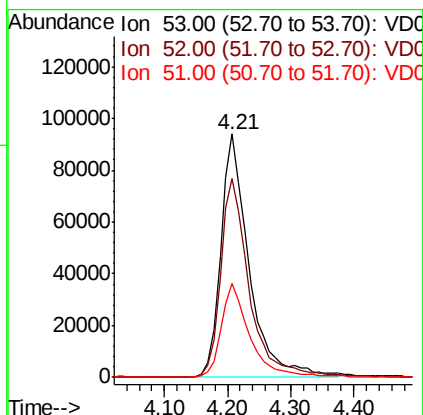
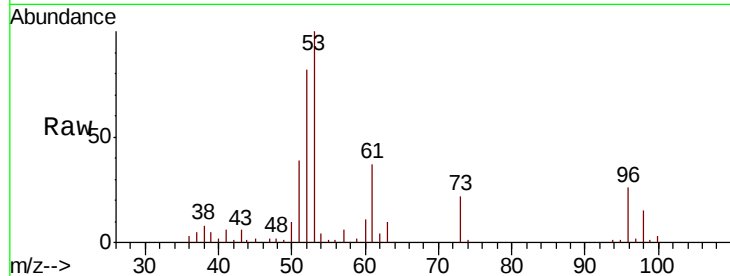




#15
 Acrylonitrile
 Concen: 231.606 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

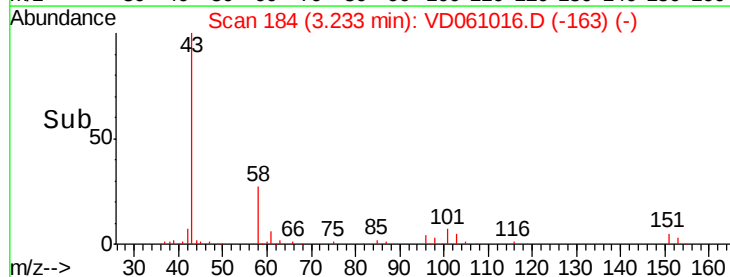
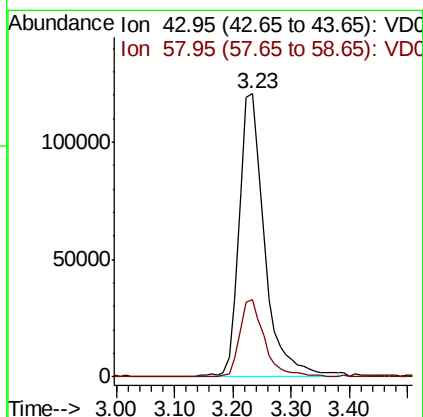
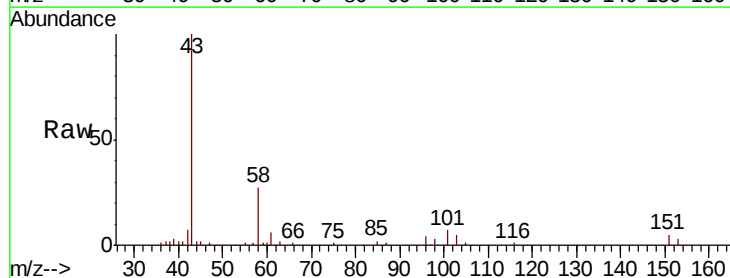
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

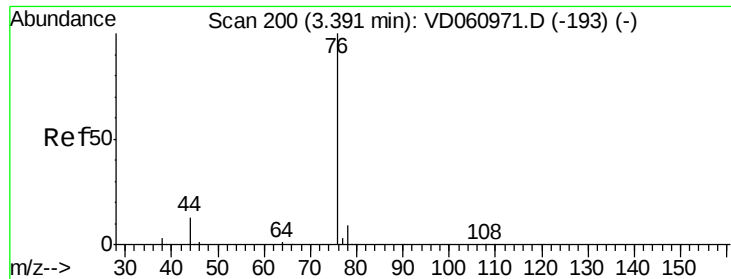
Tot Ion: 53 Resp: 292772
 Ion Ratio Lower Upper
 53 100
 52 81.6 70.2 105.4
 51 38.6 31.7 47.5



#16
 Acetone
 Concen: 229.553 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 43 Resp: 368791
 Ion Ratio Lower Upper
 43 100
 58 27.3 21.6 32.4

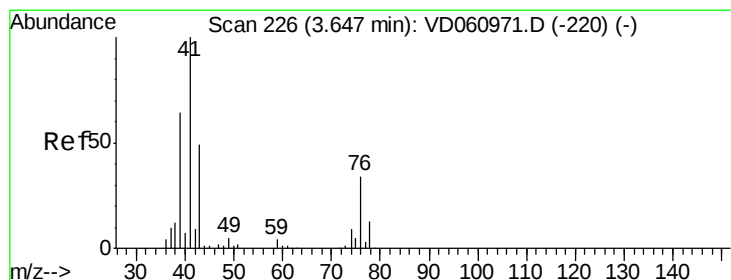
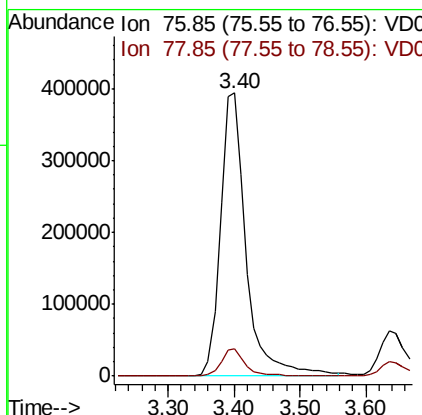
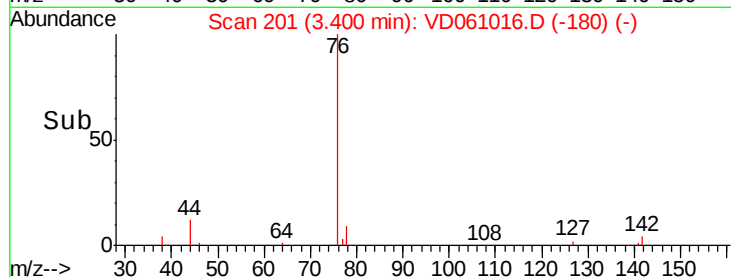
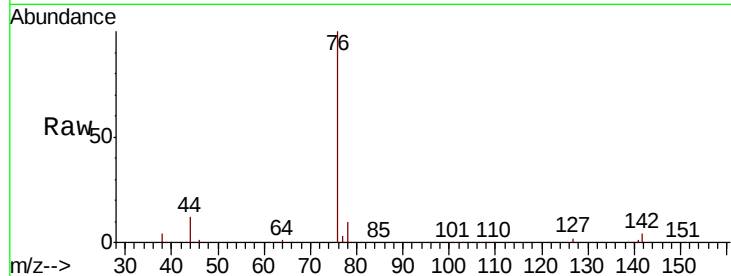




#17
Carbon Disulfide
Concen: 46.982 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

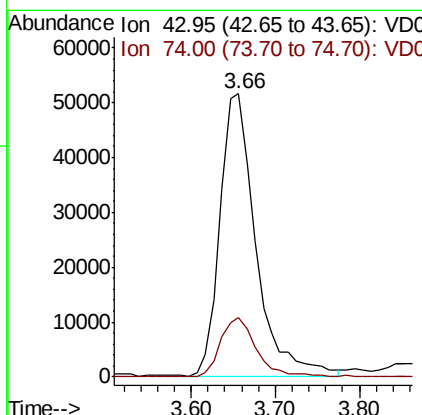
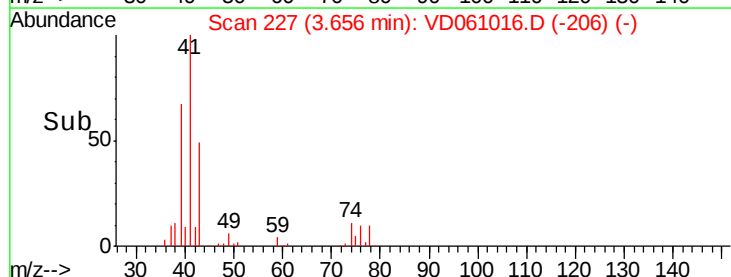
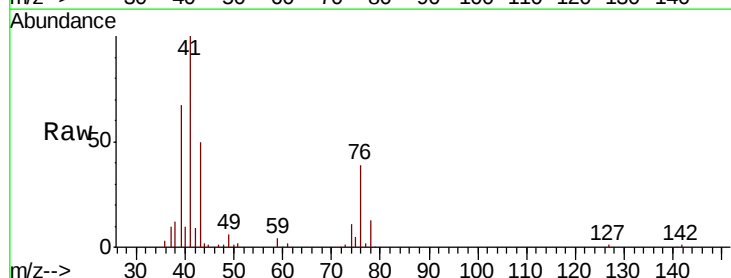
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

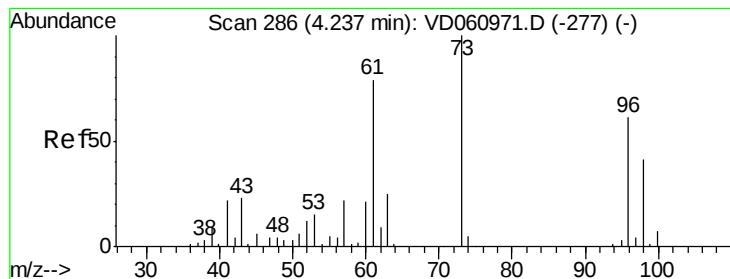
Tot Ion: 76 Resp: 1073750
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2



#18
Methyl Acetate
Concen: 48.613 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion: 43 Resp: 153699
Ion Ratio Lower Upper
43 100
74 21.1 14.6 21.8



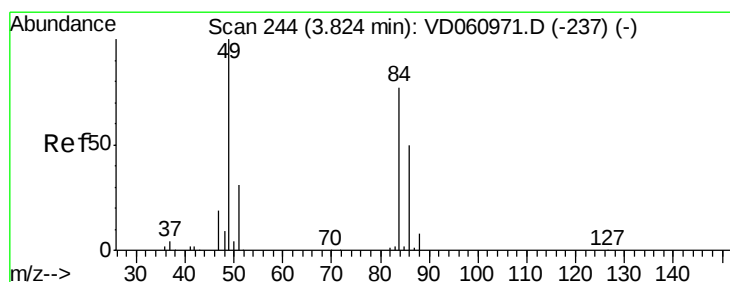
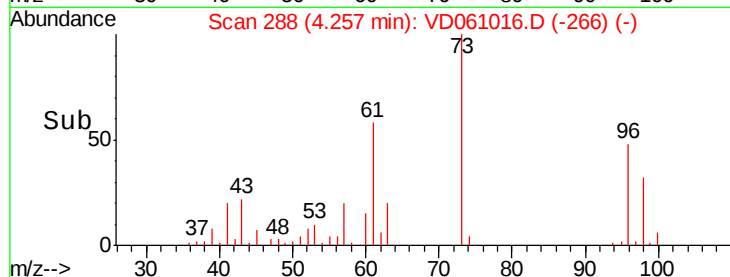
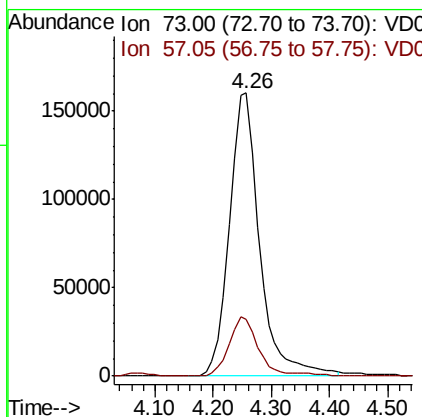
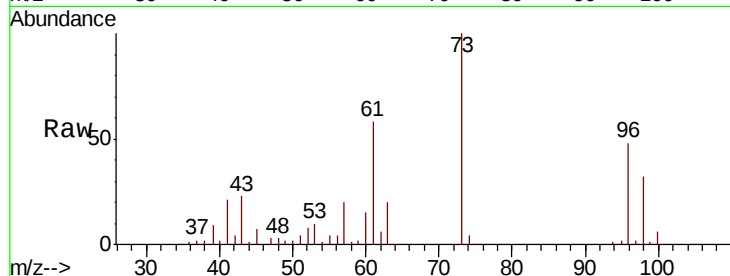


#19

Methyl tert-butyl Ether
 Concen: 48.719 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

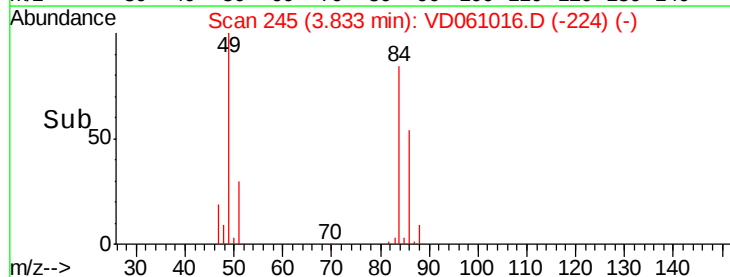
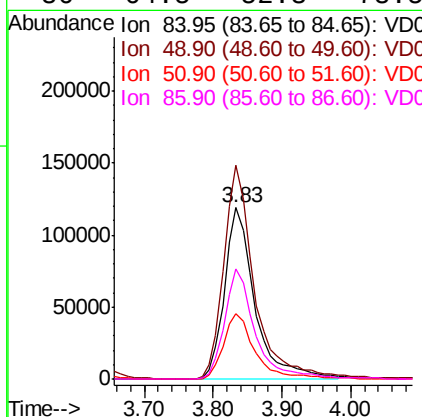
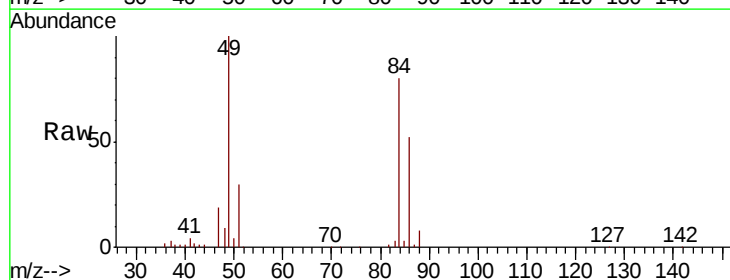
Tot Ion: 73 Resp: 578466
 Ion Ratio Lower Upper
 73 100
 57 20.0 17.7 26.5

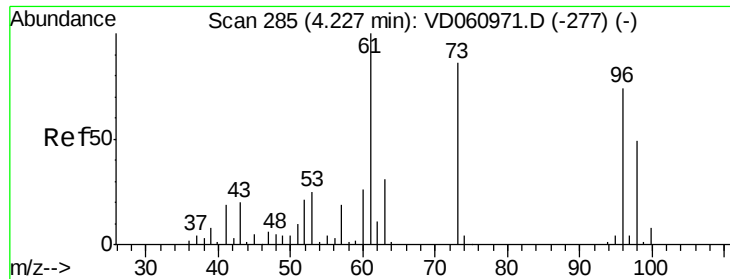


#20

Methylene Chloride
 Concen: 49.809 ug/l
 RT: 3.83 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 84 Resp: 364993
 Ion Ratio Lower Upper
 84 100
 49 124.7 104.2 156.2
 51 38.0 32.3 48.5
 86 64.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.035 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

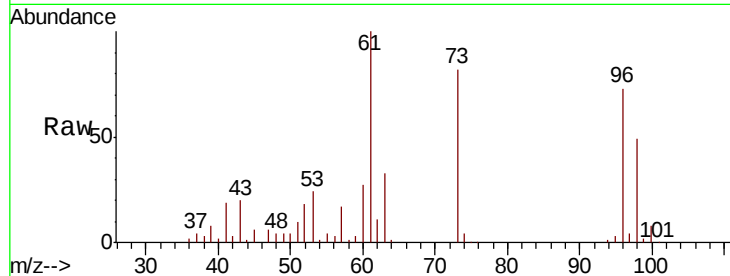
Tot Ion: 96 Resp: 352248

Ion Ratio Lower Upper

96 100

61 137.2 108.4 162.6

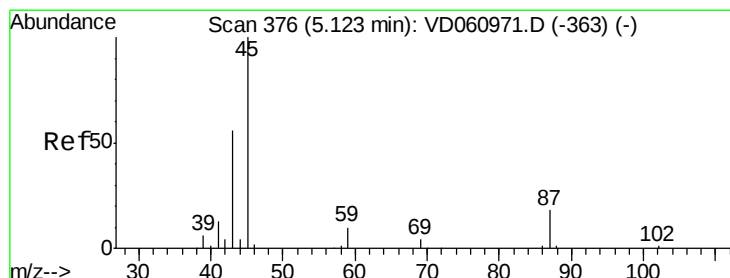
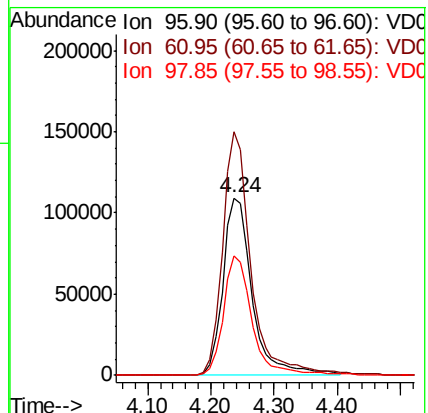
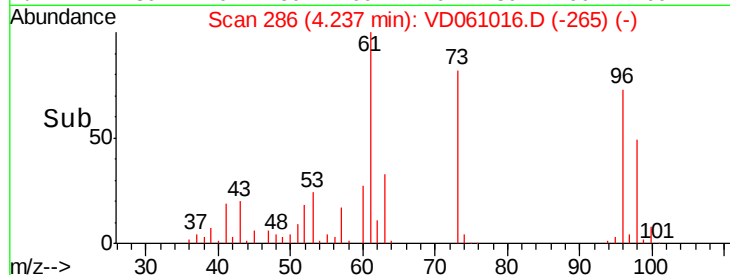
98 67.4 53.0 79.4



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: 46.831 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Tgt Ion: 45 Resp: 1053848

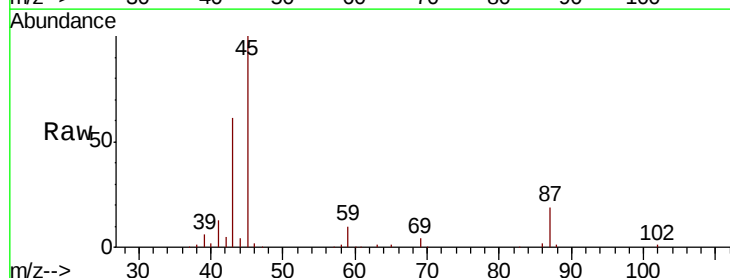
Ion Ratio Lower Upper

45 100

43 60.9 45.8 68.8

87 18.7 14.9 22.3

59 9.7 8.0 12.0

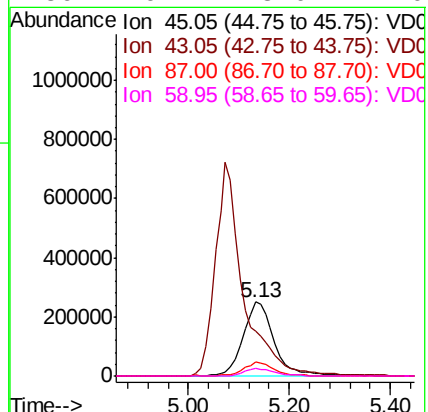
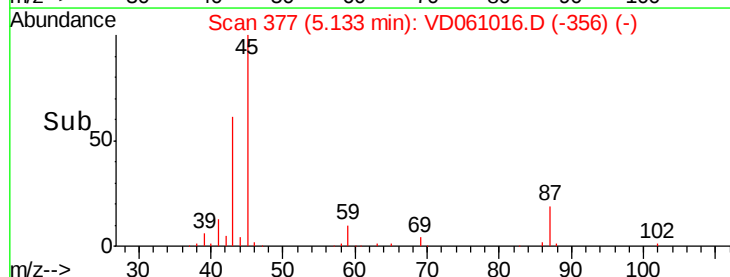


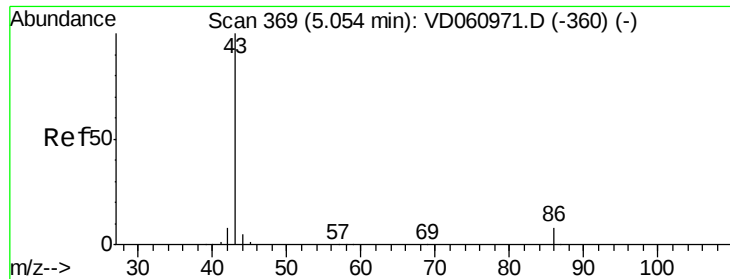
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 238.452 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

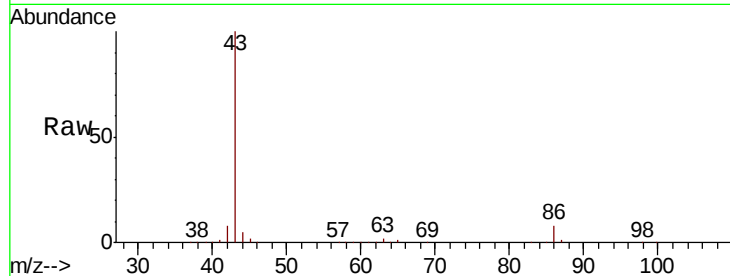
VSTDCCC050EC

Tot Ion: 43 Resp: 2754549

Ion Ratio Lower Upper

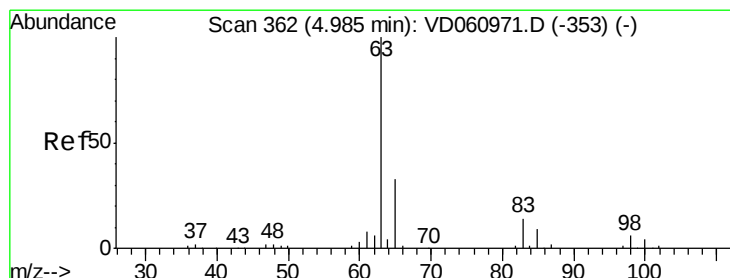
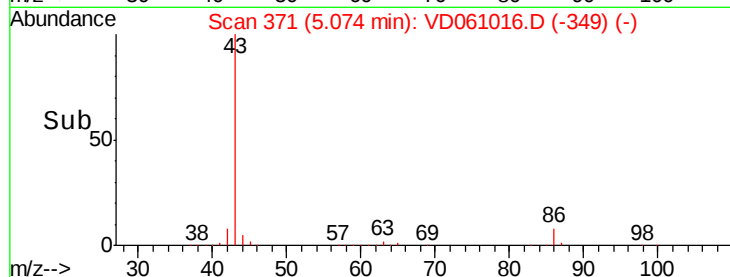
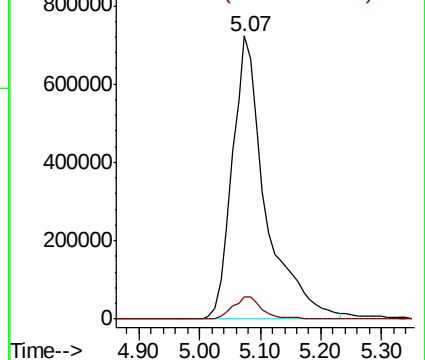
43 100

86 7.7 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.151 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

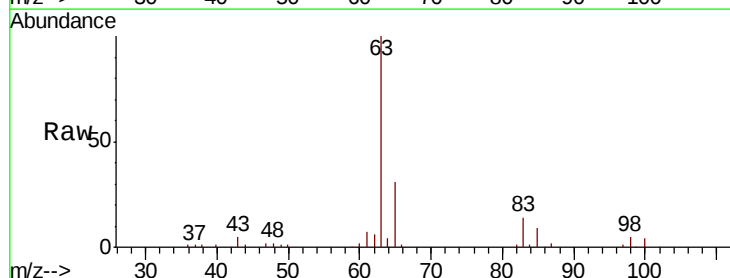
Tgt Ion: 63 Resp: 593674

Ion Ratio Lower Upper

63 100

98 5.1 3.0 9.2

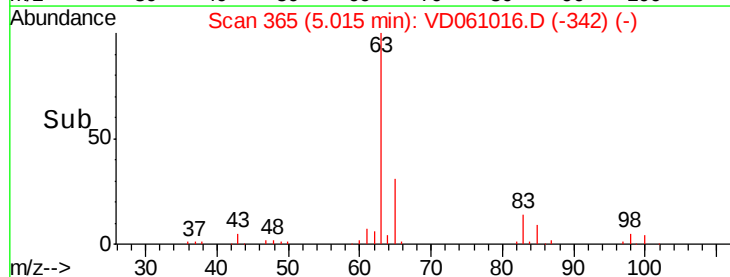
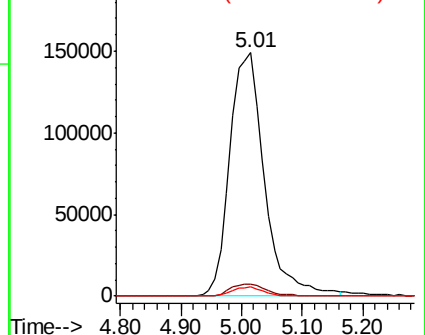
100 3.9 2.0 5.8

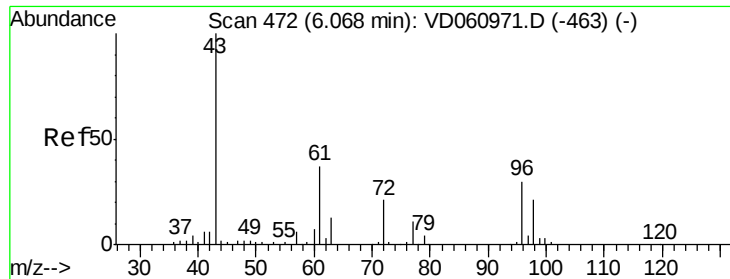


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 242.351 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

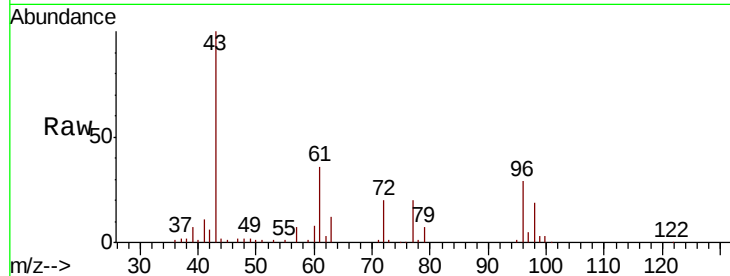
VSTDCCC050EC

Tot Ion: 43 Resp: 441807

Ion Ratio Lower Upper

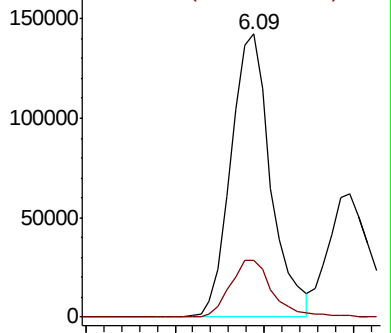
43 100

72 20.1 16.7 25.1

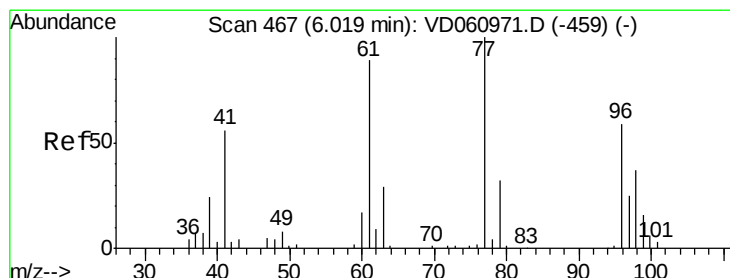
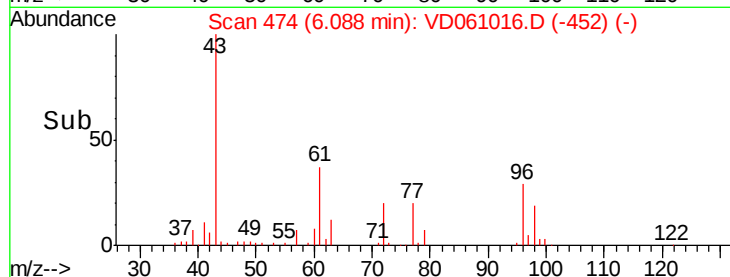


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 49.295 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD061016.D

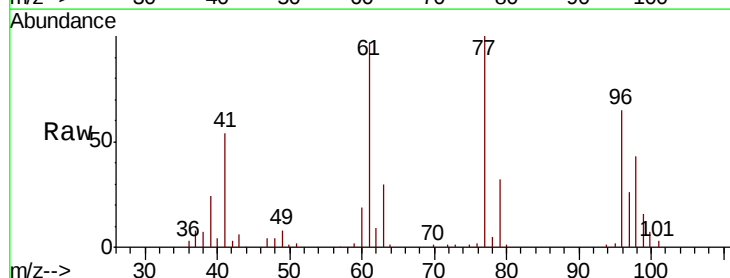
Acq: 11 Mar 2019 20:48

Tgt Ion: 77 Resp: 474463

Ion Ratio Lower Upper

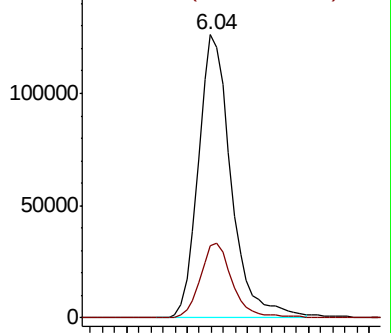
77 100

97 25.6 12.6 37.6

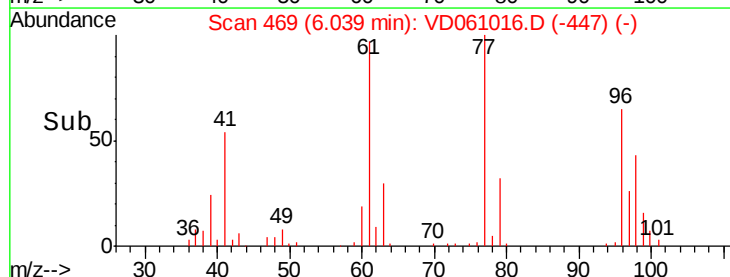


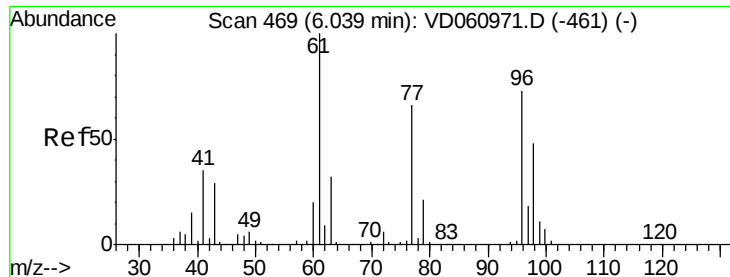
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



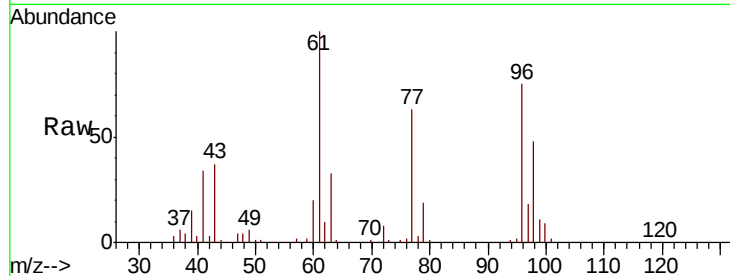


#27

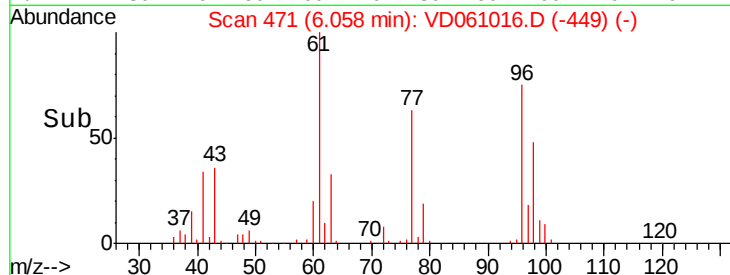
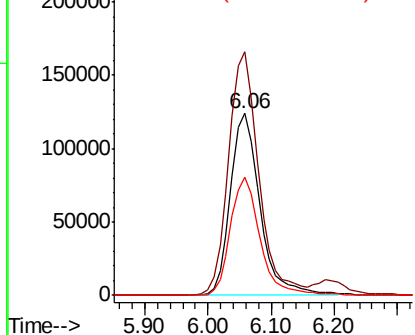
cis-1,2-Dichloroethene
 Concen: 51.953 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 404215
 Ion Ratio Lower Upper
 96 100
 61 133.7 0.0 273.6
 98 64.6 0.0 132.6



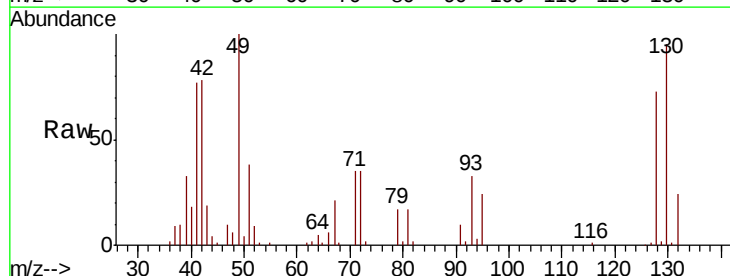
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



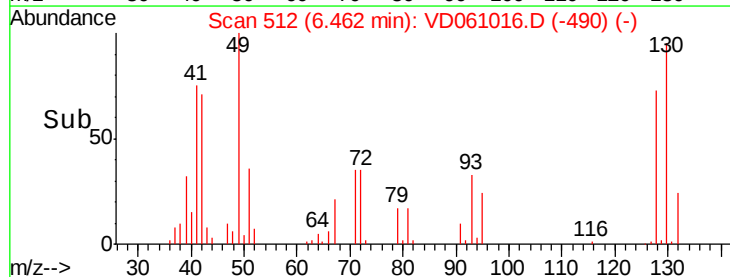
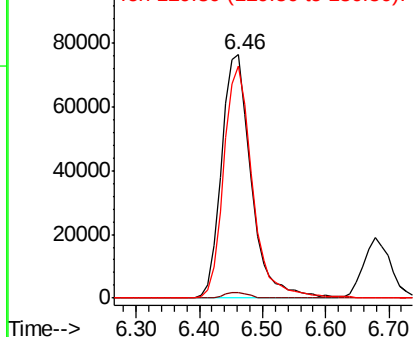
#28

Bromochloromethane
 Concen: 48.032 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 49 Resp: 250707
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.0
 130 95.4 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 222.054 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

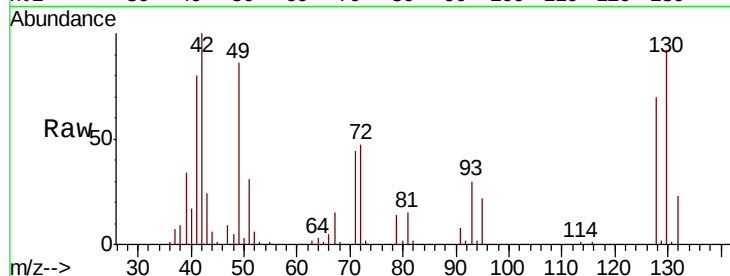
Tot Ion: 42 Resp: 219809

Ion Ratio Lower Upper

42 100

72 44.2 34.5 51.7

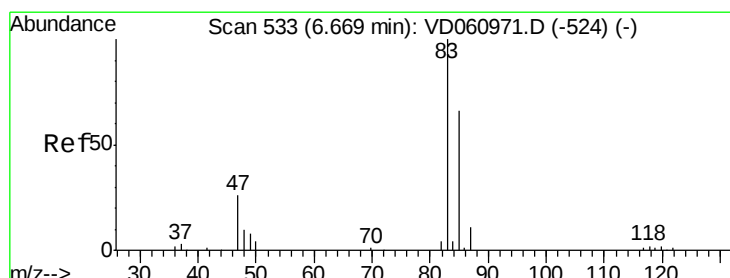
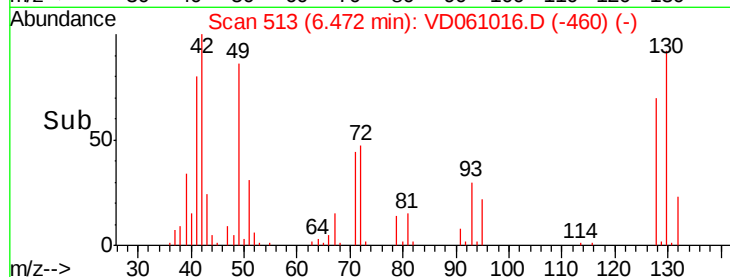
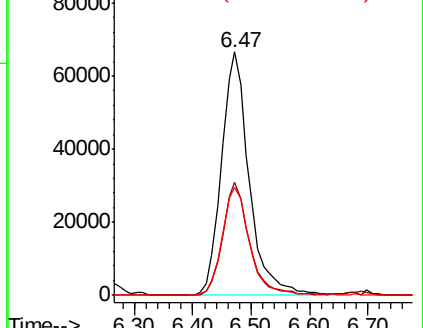
71 43.8 33.8 50.6



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: 51.389 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD061016.D

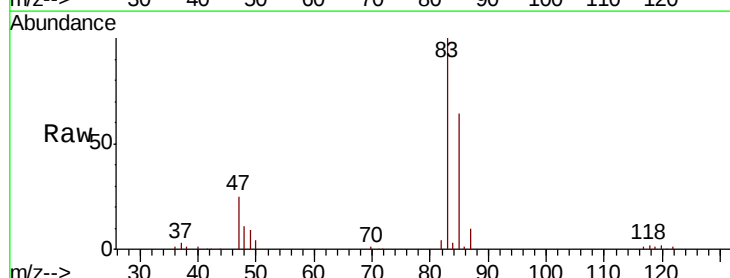
Acq: 11 Mar 2019 20:48

Tgt Ion: 83 Resp: 656665

Ion Ratio Lower Upper

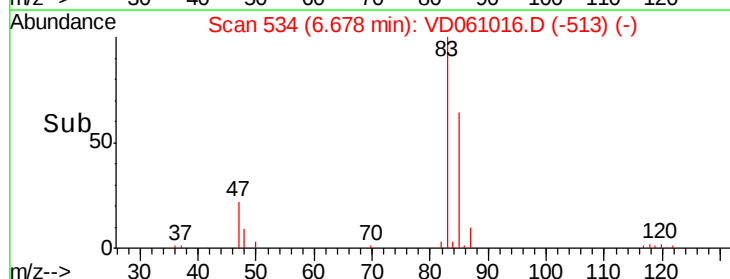
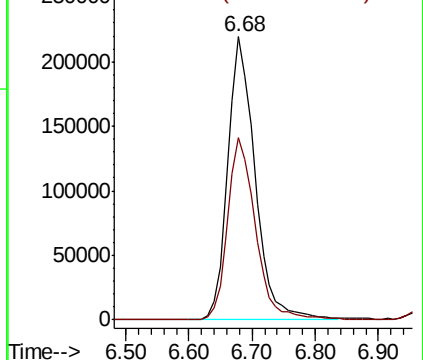
83 100

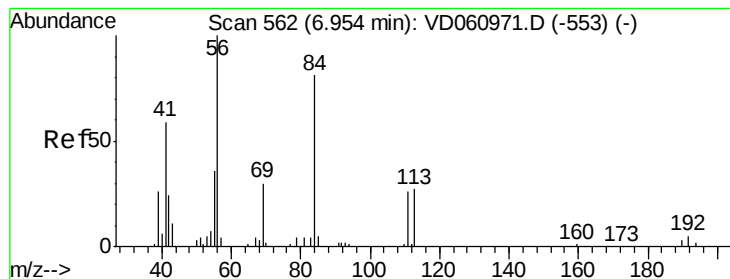
85 64.2 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 51.902 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

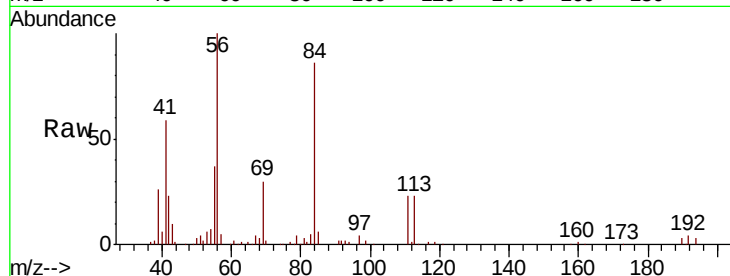
Tot Ion: 56 Resp: 515989

Ion Ratio Lower Upper

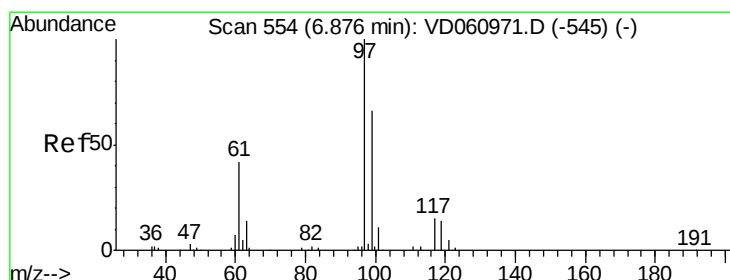
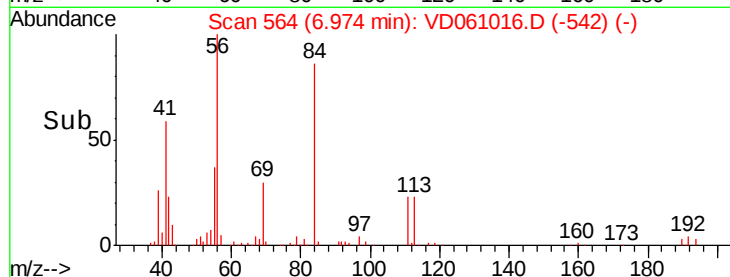
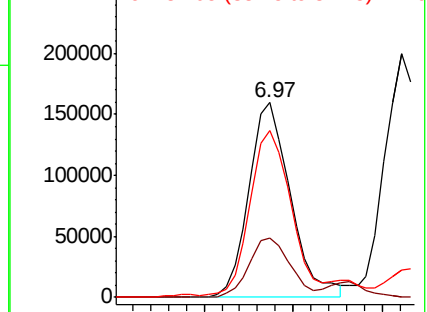
56 100

69 30.3 24.0 36.0

84 85.8 65.8 98.6



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: 50.922 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

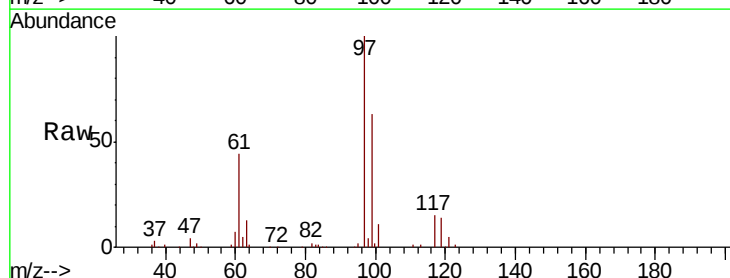
Tgt Ion: 97 Resp: 562563

Ion Ratio Lower Upper

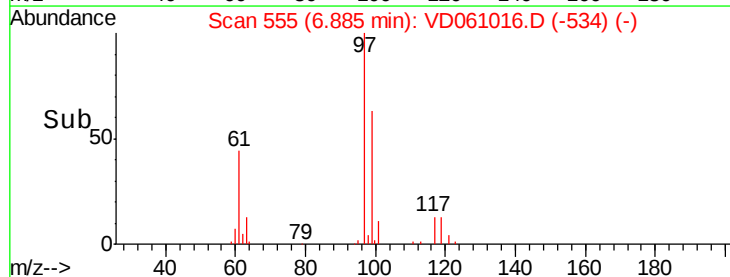
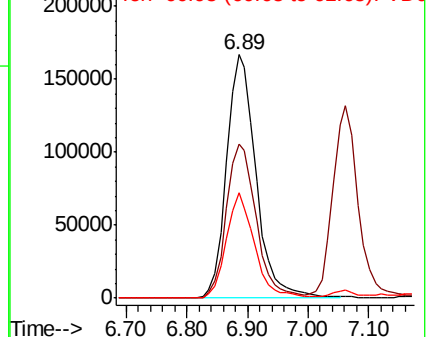
97 100

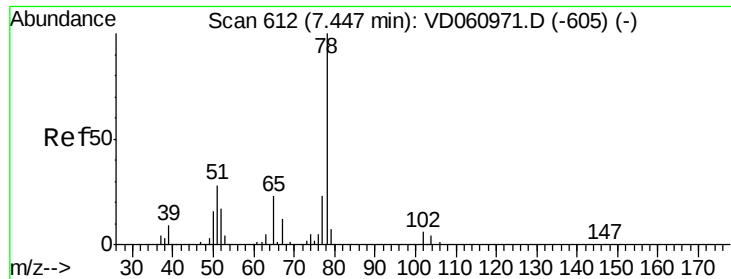
99 63.4 53.2 79.8

61 43.5 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 50.922 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

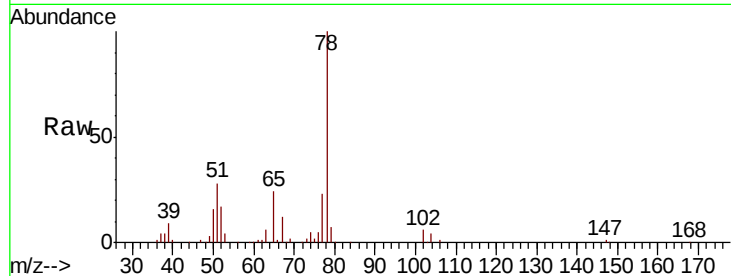
VSTDCCC050EC

Tot Ion: 65 Resp: 271303

Ion Ratio Lower Upper

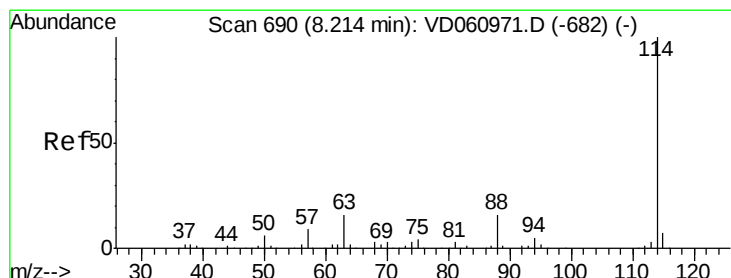
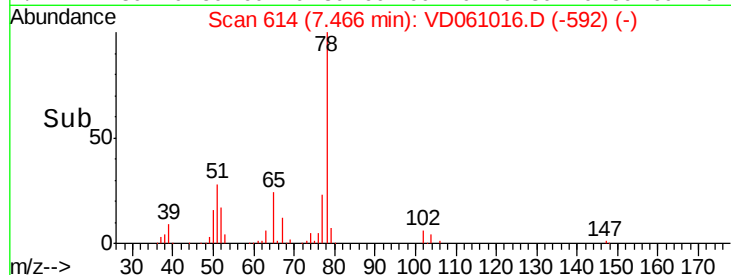
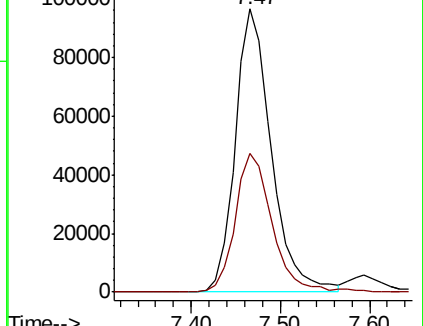
65 100

67 49.2 0.0 105.2



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. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

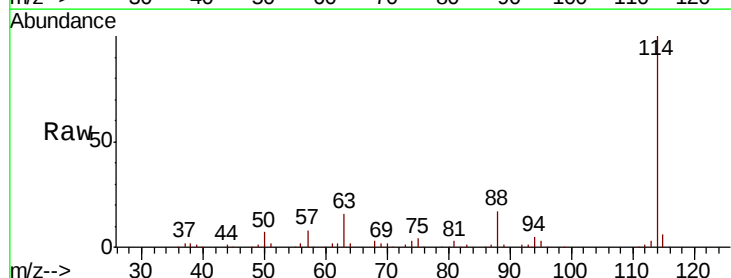
Tgt Ion: 114 Resp: 1074772

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.4

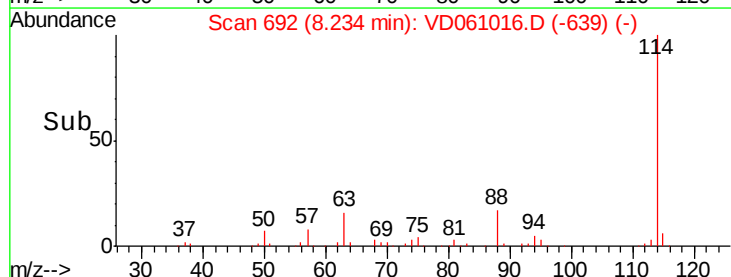
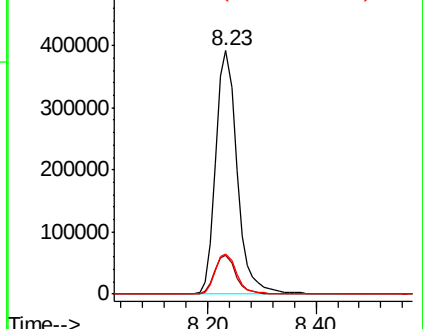
88 16.7 0.0 33.0

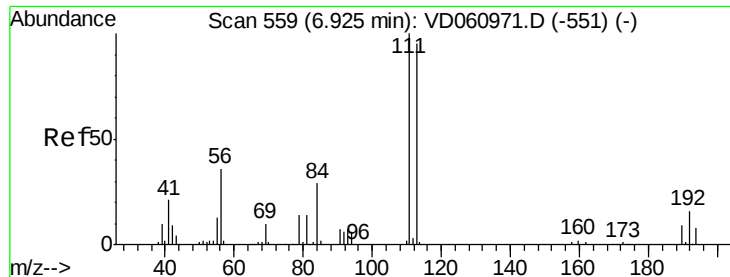


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

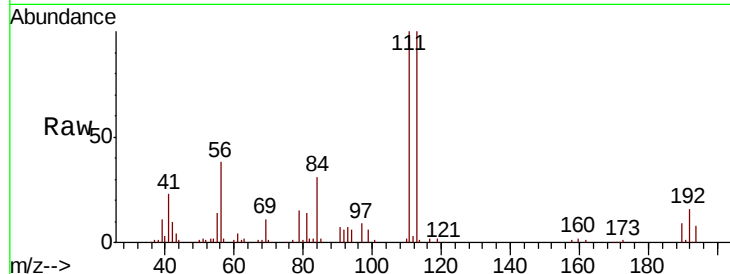




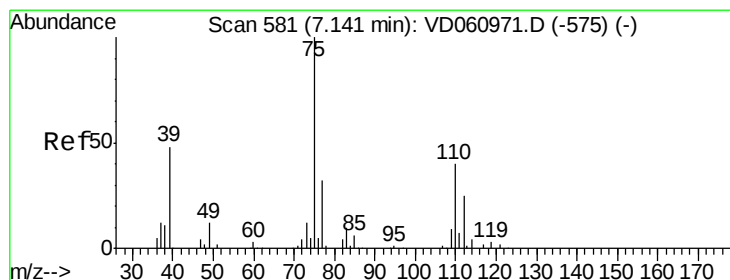
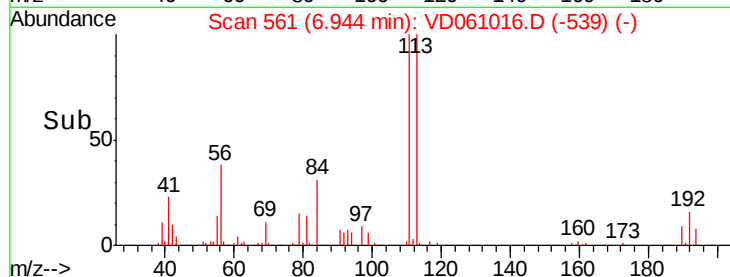
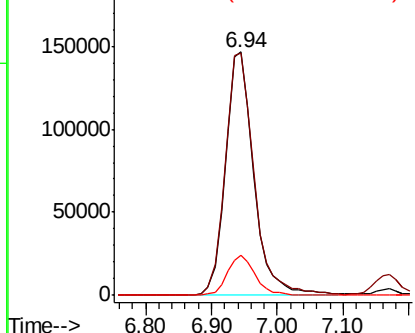
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 441691
Ion Ratio Lower Upper
113 100
111 99.6 84.2 126.4
192 16.5 13.1 19.7

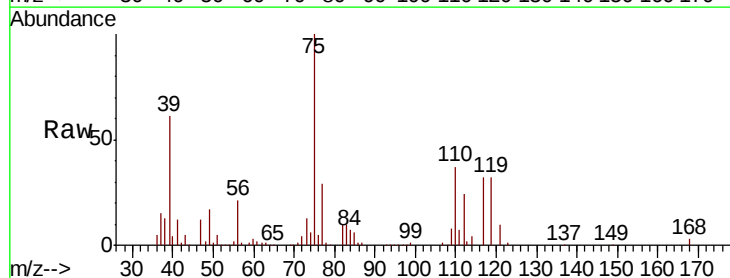


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

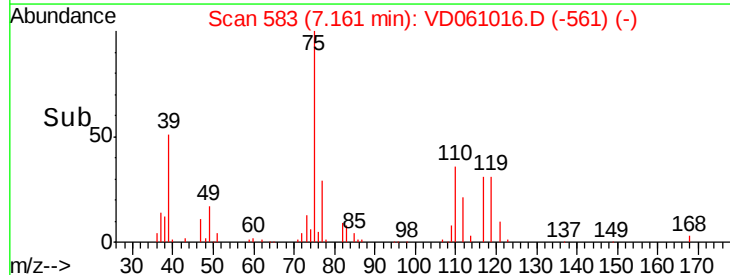
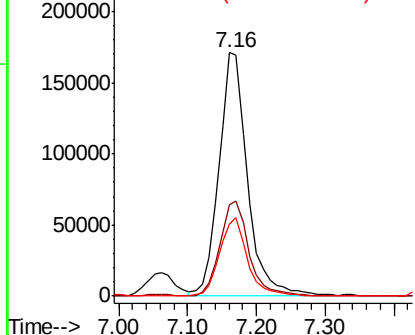


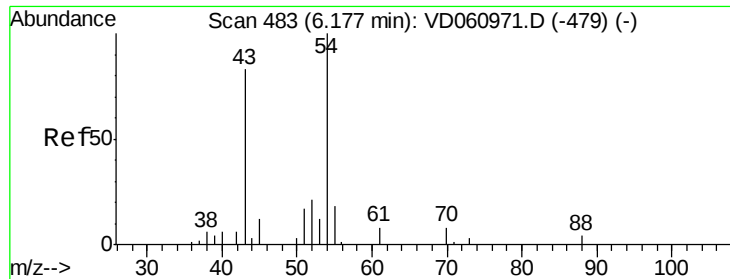
#36
1,1-Dichloropropene
Concen: 52.554 ug/l
RT: 7.16 min Scan# 583
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion: 75 Resp: 486883
Ion Ratio Lower Upper
75 100
110 37.3 19.7 59.1
77 29.4 24.7 37.1



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

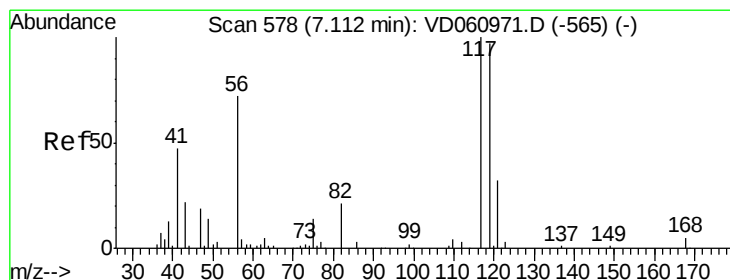
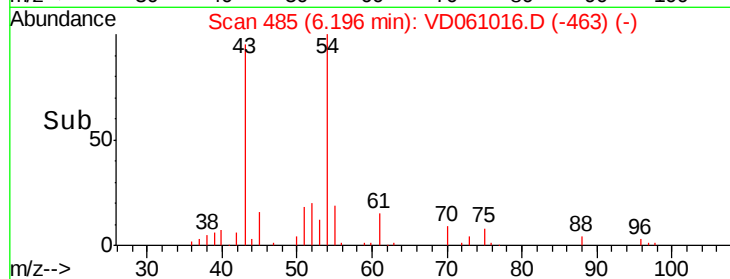
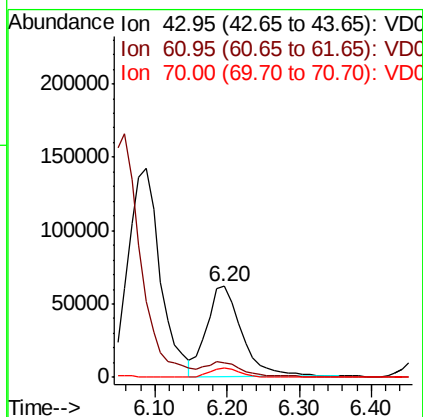
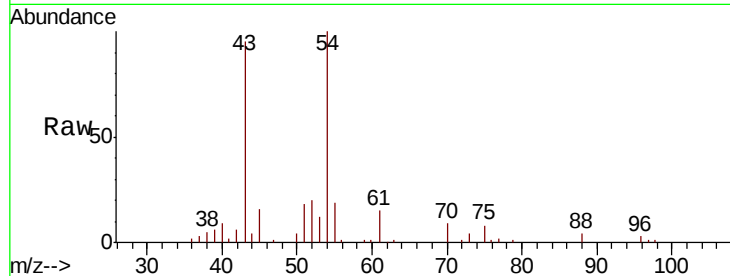




#37
Ethyl Acetate
Concen: 47.572 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

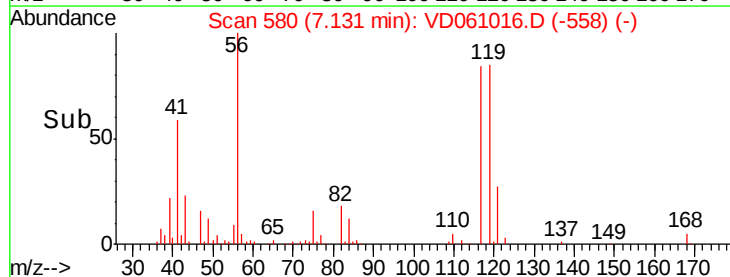
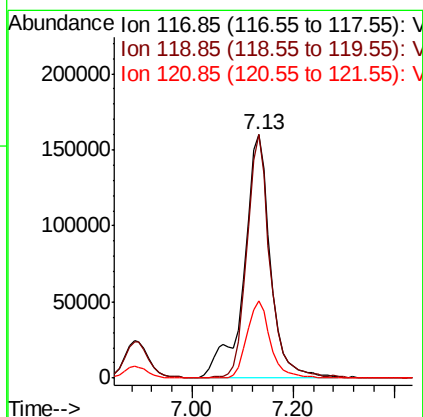
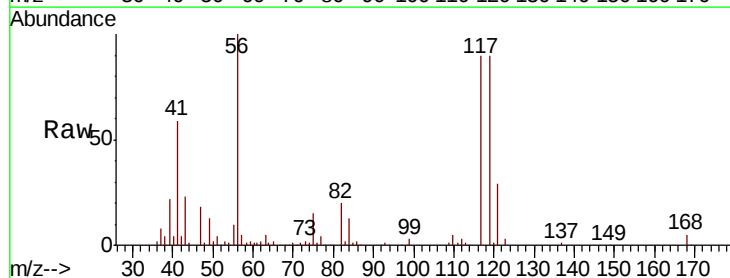
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 206815
Ion Ratio Lower Upper
43 100
61 15.3 13.7 20.5
70 9.7 7.1 10.7



#38
Carbon Tetrachloride
Concen: 56.902 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion: 117 Resp: 580681
Ion Ratio Lower Upper
117 100
119 100.0 77.8 116.8
121 31.6 25.3 37.9





#39

Methvlcvclohexane

Concen: 53.455 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

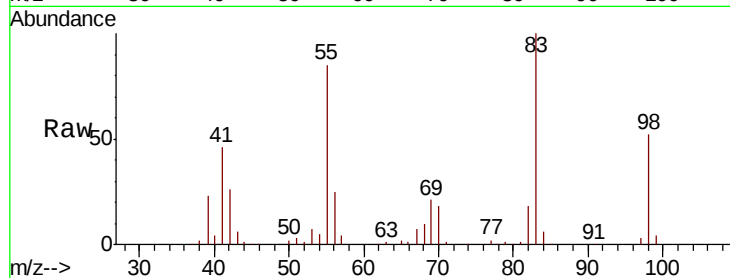
Tot Ion: 83 Resp: 513514

Ion Ratio Lower Upper

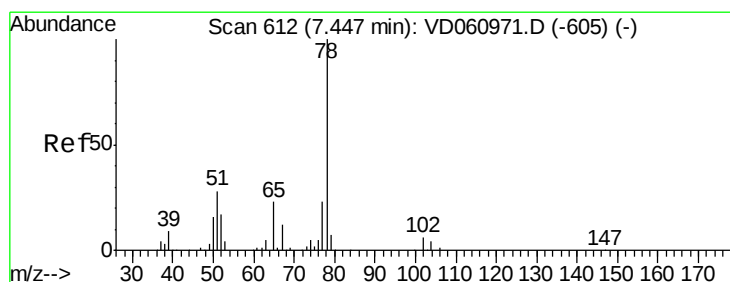
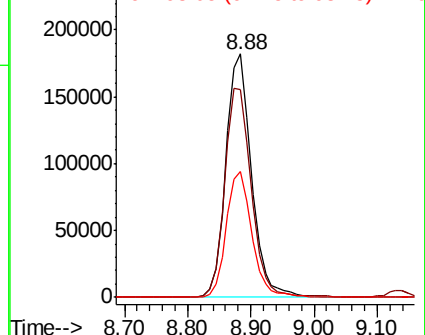
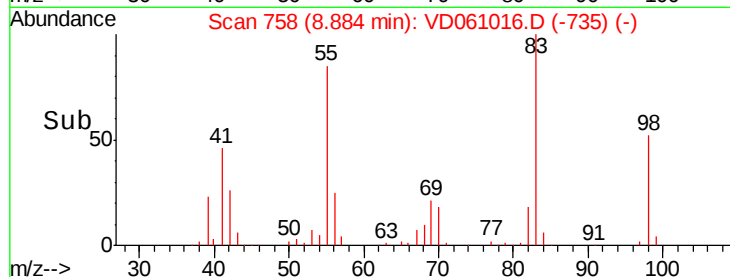
83 100

55 85.5 69.6 104.4

98 51.6 40.0 60.0



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: 51.284 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD061016.D

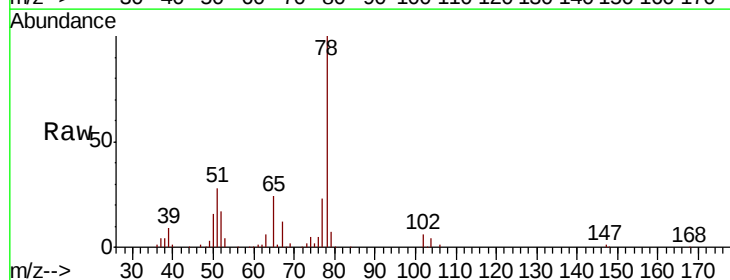
Acq: 11 Mar 2019 20:48

Tgt Ion: 78 Resp: 1187193

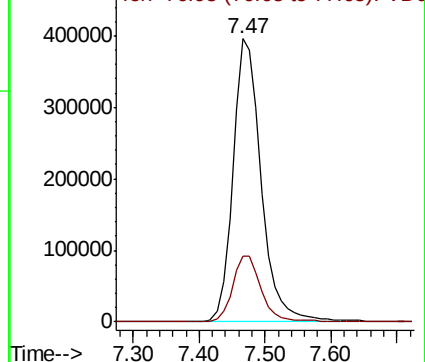
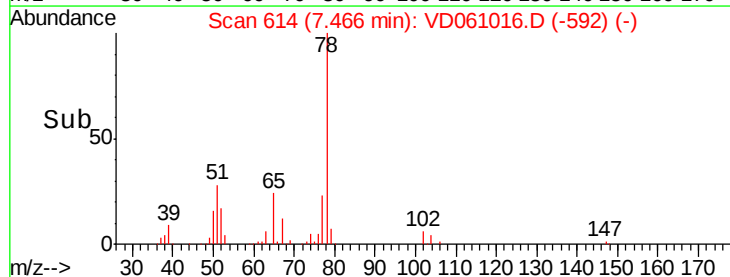
Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

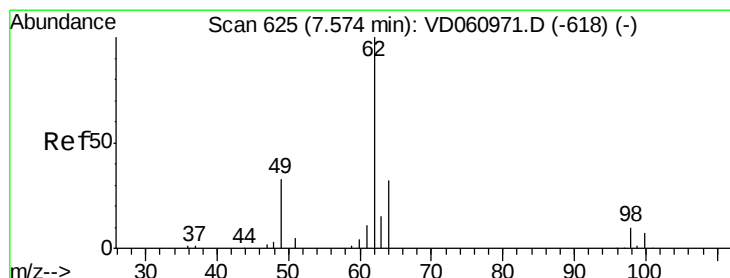
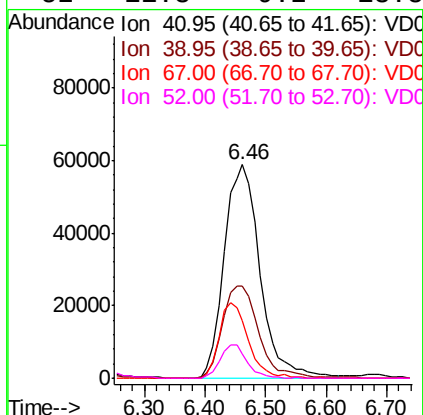
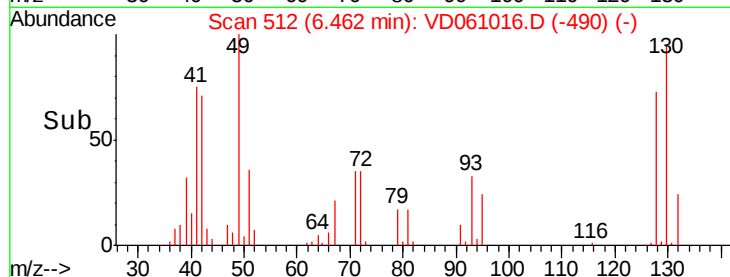
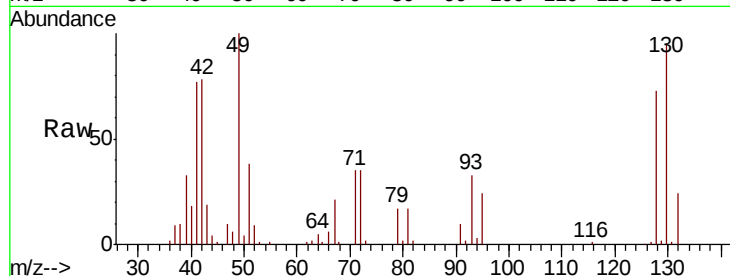




#41
Methacrylonitrile
Concen: 48.320 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

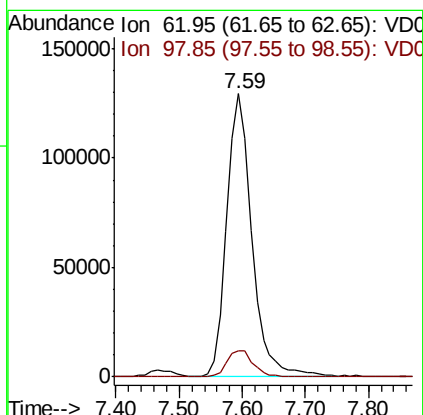
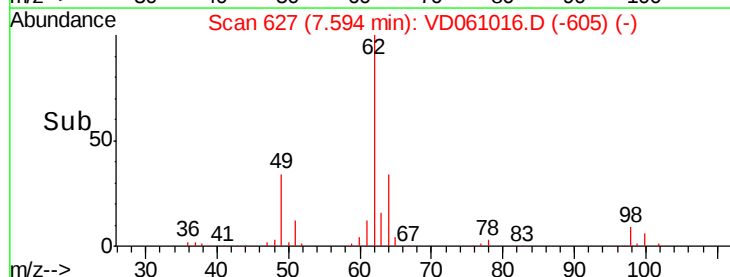
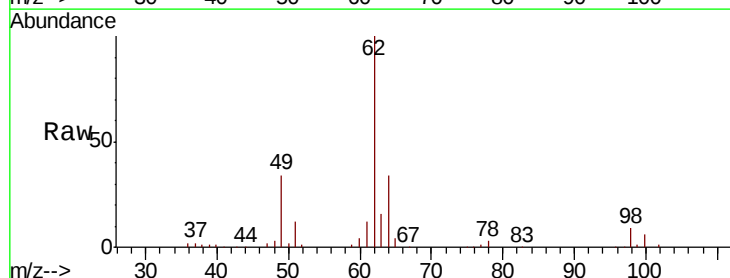
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

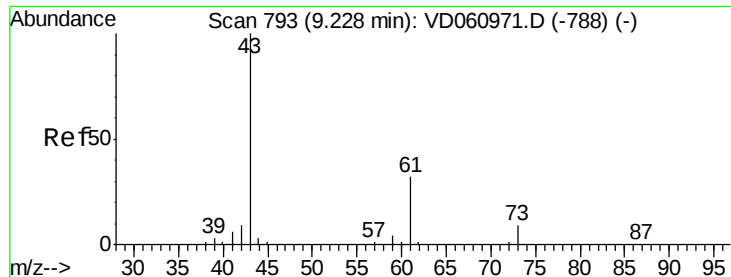
Tot Ion: 41 Resp: 241626
Ion Ratio Lower Upper
41 100
39 43.4 35.7 53.5
67 26.7 23.0 34.6
52 11.3 9.2 13.8



#42
1,2-Dichloroethane
Concen: 52.956 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion: 62 Resp: 355749
Ion Ratio Lower Upper
62 100
98 9.4 0.0 20.4



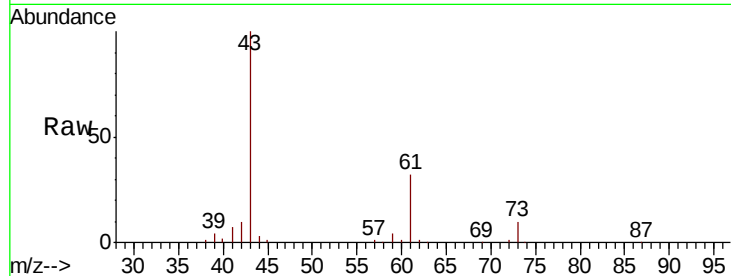


#43

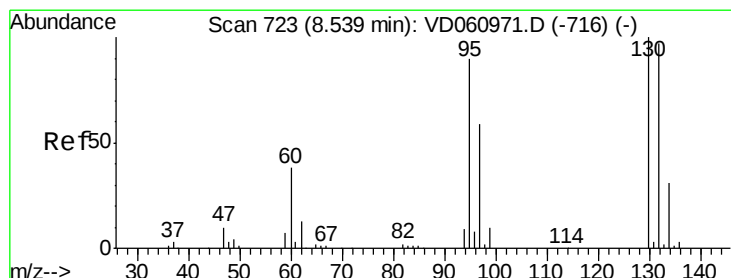
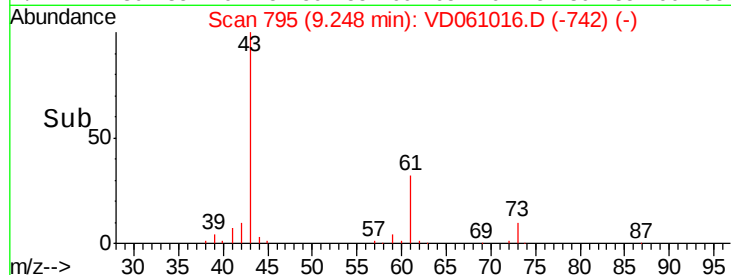
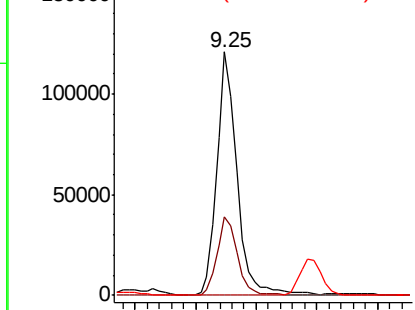
Isopropyl Acetate
 Concen: 46.663 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 280977
 Ion Ratio Lower Upper
 43 100
 61 32.0 25.6 38.4
 87 0.2 0.2 0.4



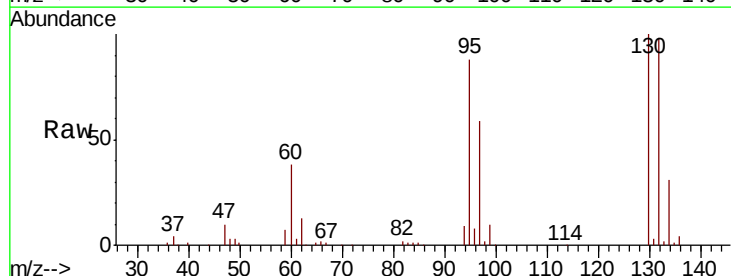
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



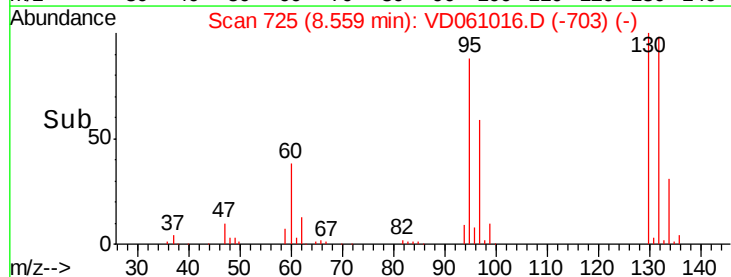
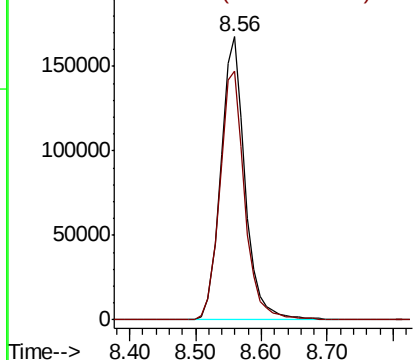
#44

Trichloroethene
 Concen: 53.883 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 130 Resp: 430327
 Ion Ratio Lower Upper
 130 100
 95 87.7 0.0 179.4



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

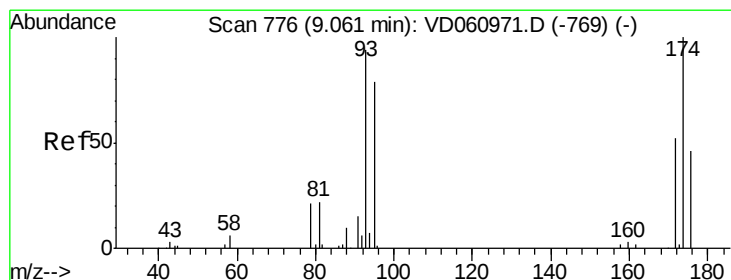
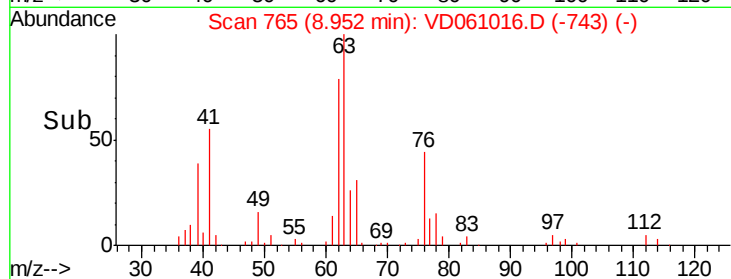
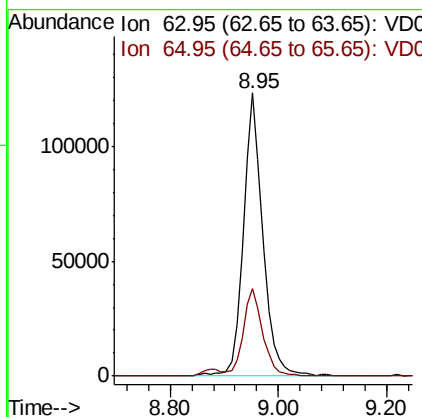
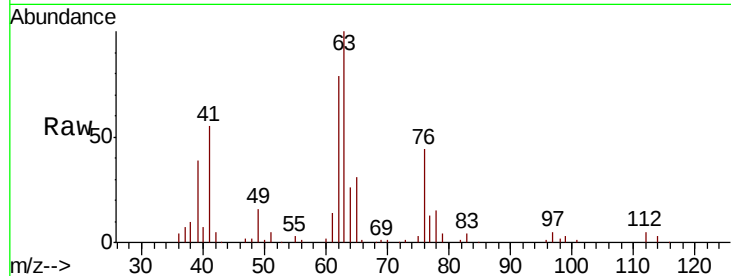




#45
 1,2-Dichloropropane
 Concen: 50.458 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

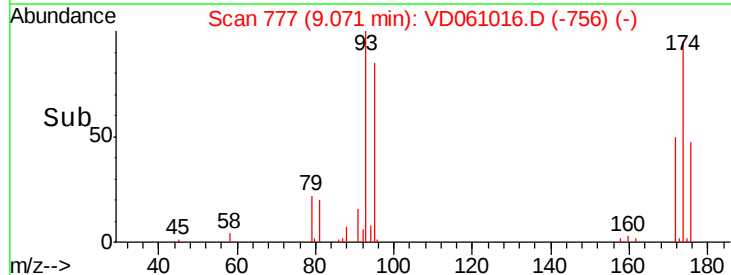
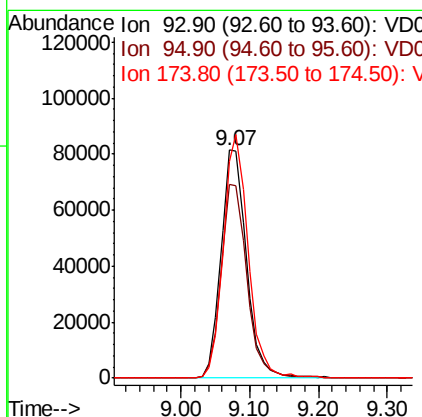
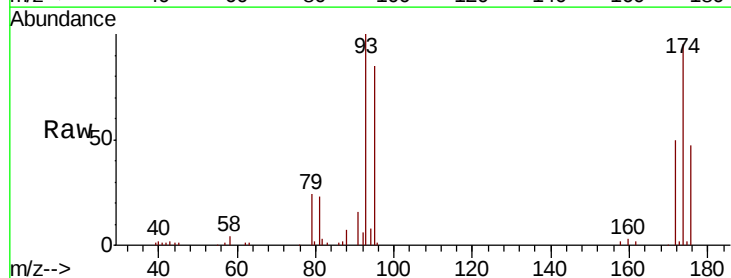
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 306879
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2



#46
 Dibromomethane
 Concen: 54.294 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 93 Resp: 209460
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.4 101.0
 174 95.4 85.4 128.0





#47

Bromodichloromethane

Concen: 51.170 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

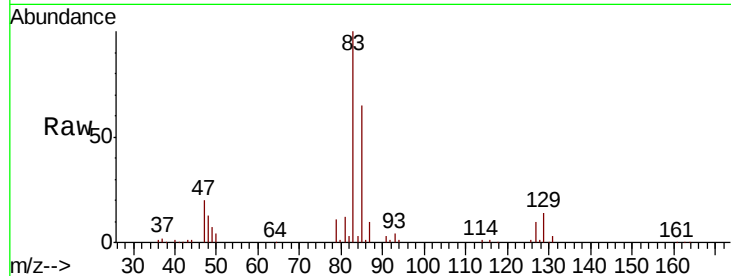
Tot Ion: 83 Resp: 445471

Ion Ratio Lower Upper

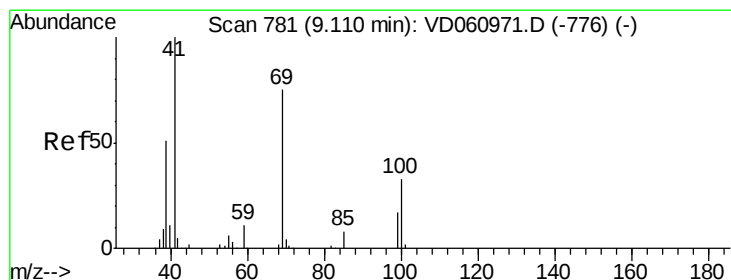
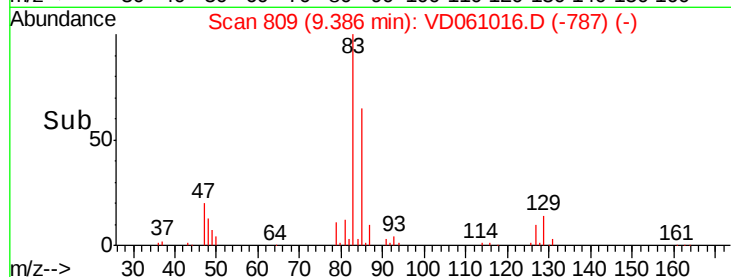
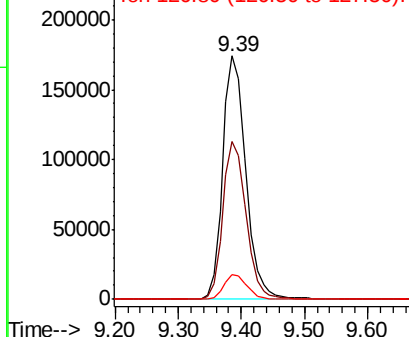
83 100

85 64.9 52.5 78.7

127 10.0 7.5 11.3



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



#48

Methyl methacrylate

Concen: 50.312 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

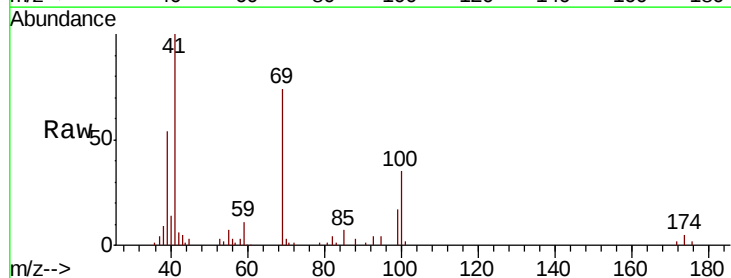
Tgt Ion: 41 Resp: 170570

Ion Ratio Lower Upper

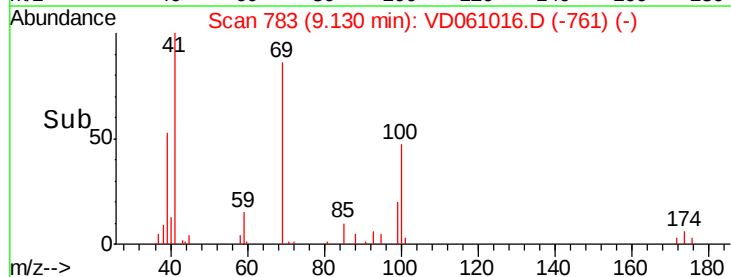
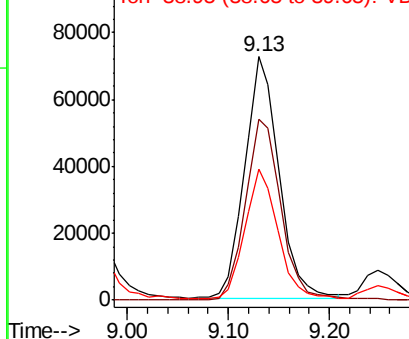
41 100

69 74.3 59.9 89.9

39 53.7 40.9 61.3



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

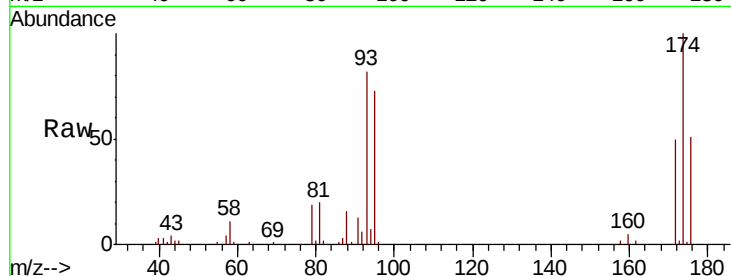




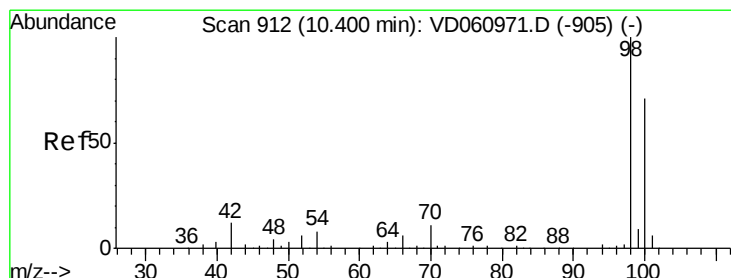
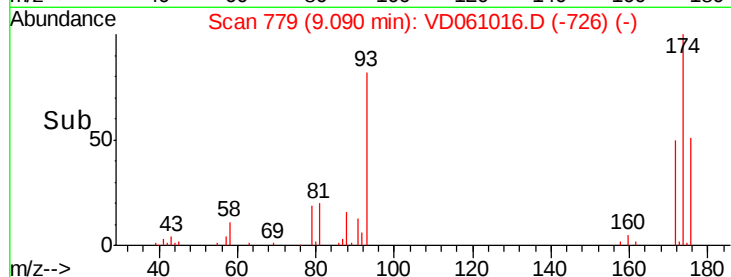
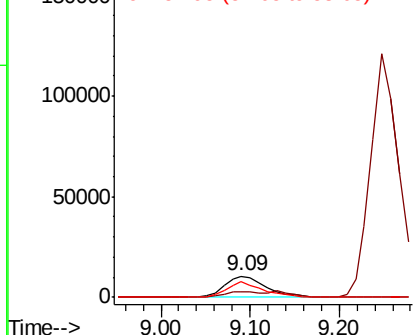
#49
1,4-Dioxane
Concen: 977.085 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 33496
Ion Ratio Lower Upper
88 100
43 28.0 21.0 31.6
58 70.7 48.6 72.8

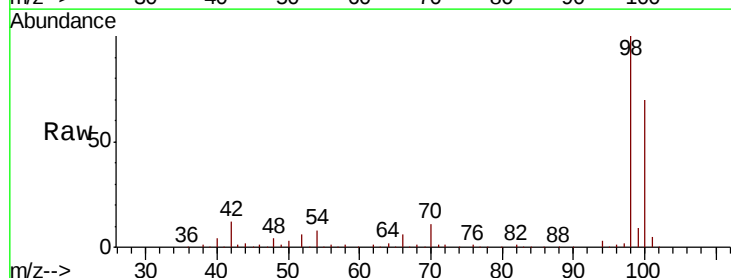


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

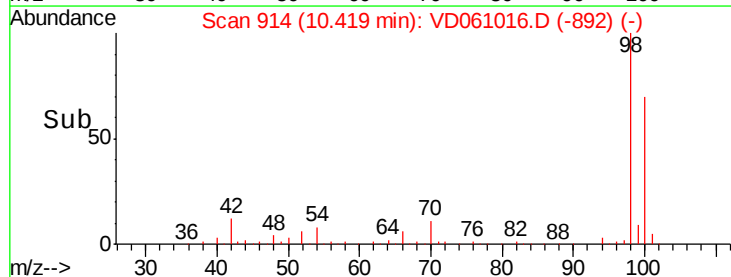
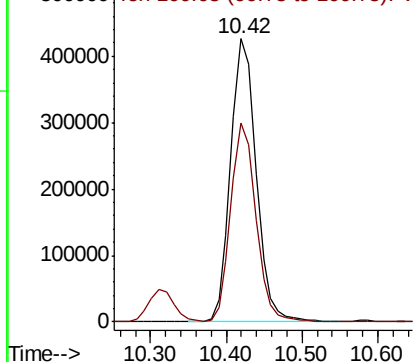


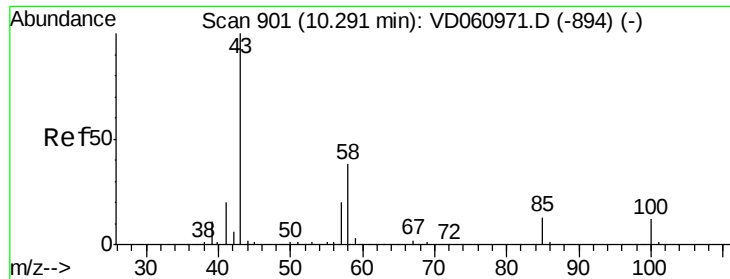
#50
Toluene-d8
Concen: 977.085 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion: 98 Resp: 996802
Ion Ratio Lower Upper
98 100
100 70.1 57.4 86.2



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: 254.947 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

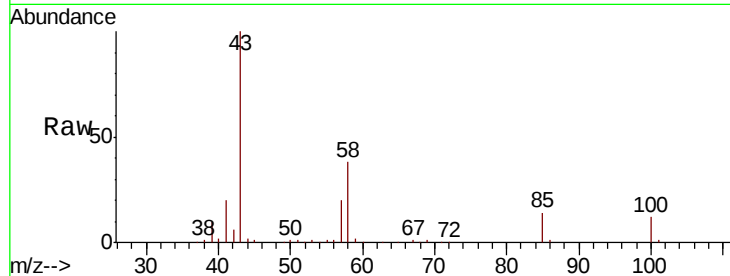
VSTDCCC050EC

Tot Ion: 43 Resp: 940462

Ion Ratio Lower Upper

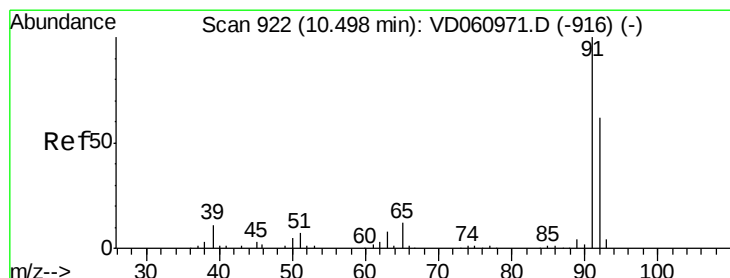
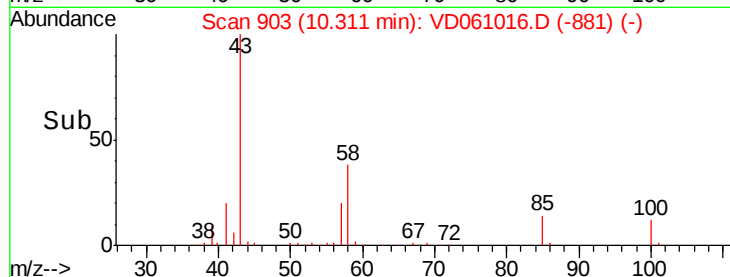
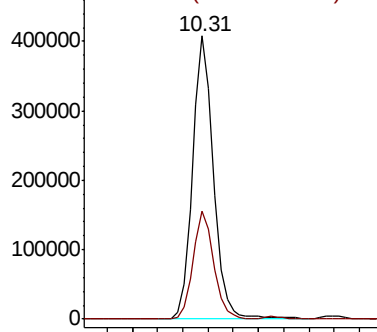
43 100

58 38.3 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.139 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD061016.D

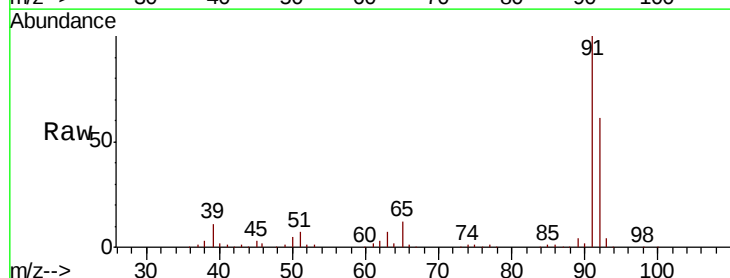
Acq: 11 Mar 2019 20:48

Tgt Ion: 92 Resp: 736154

Ion Ratio Lower Upper

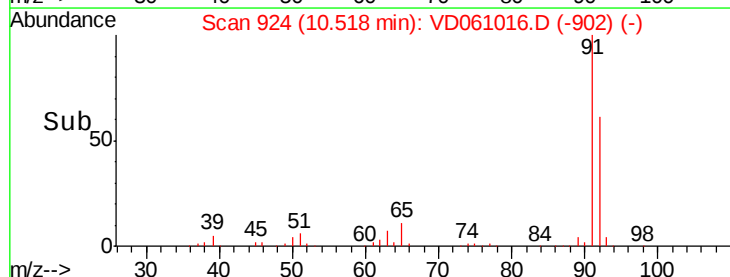
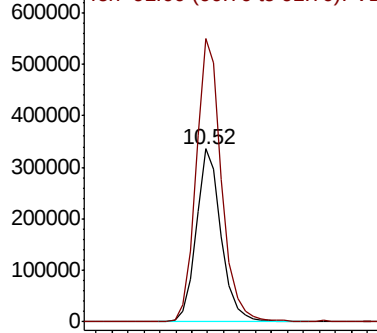
92 100

91 163.5 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

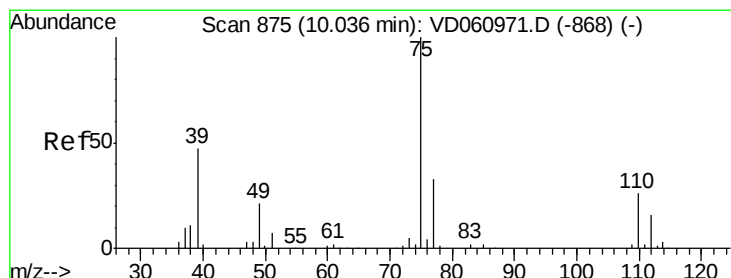
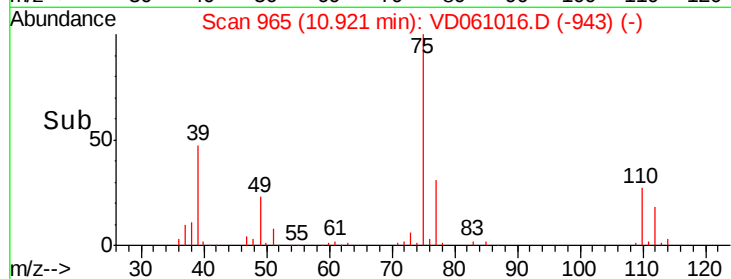
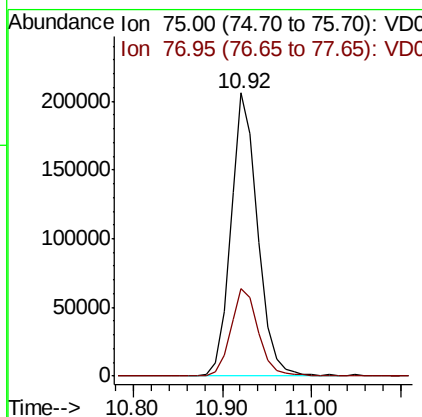
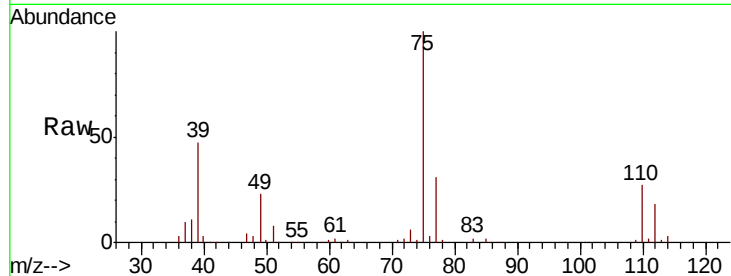




#53
 t-1,3-Dichloropropene
 Concen: 54.298 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

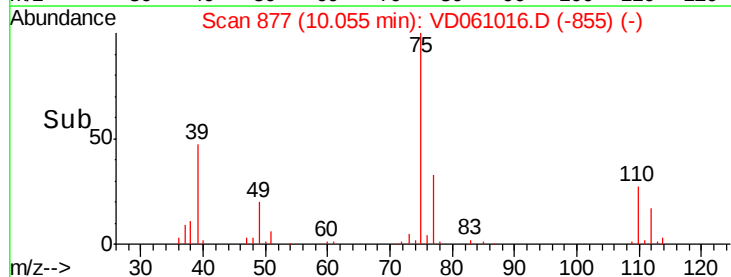
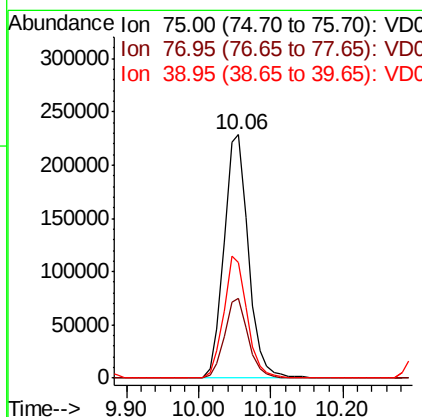
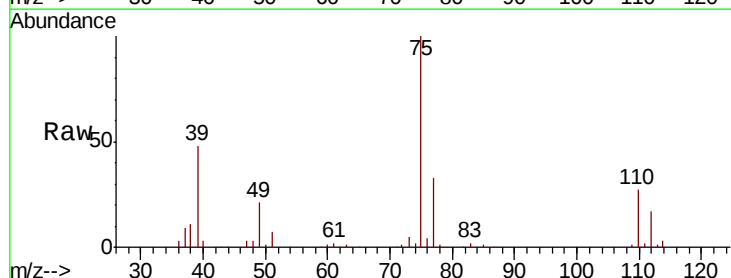
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 432231
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 55.824 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 75 Resp: 533935
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4
 39 47.5 37.8 56.8

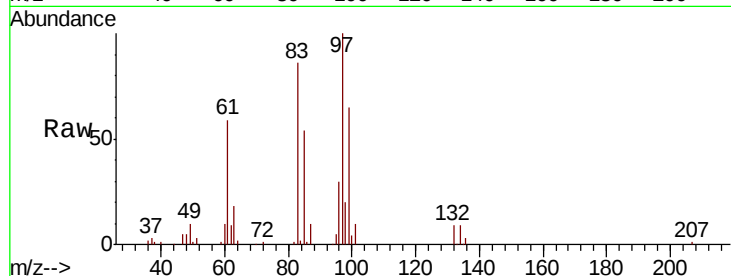




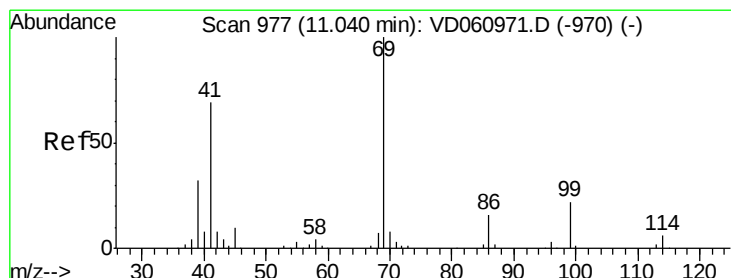
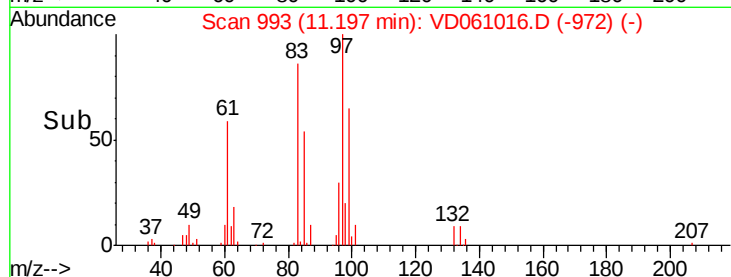
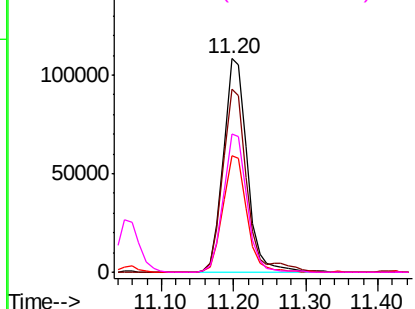
#55
 1,1,2-Trichloroethane
 Concen: 51.786 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 248256
 Ion Ratio Lower Upper
 97 100
 83 85.5 66.6 100.0
 85 54.3 46.4 69.6
 99 64.7 52.4 78.6

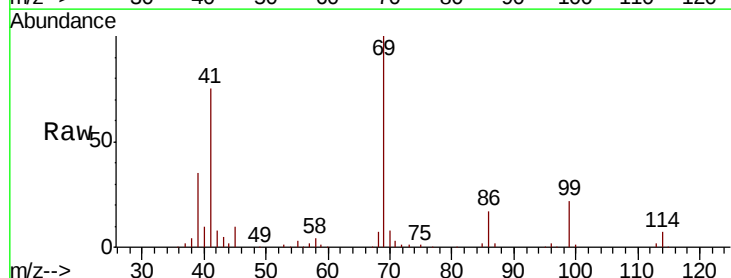


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

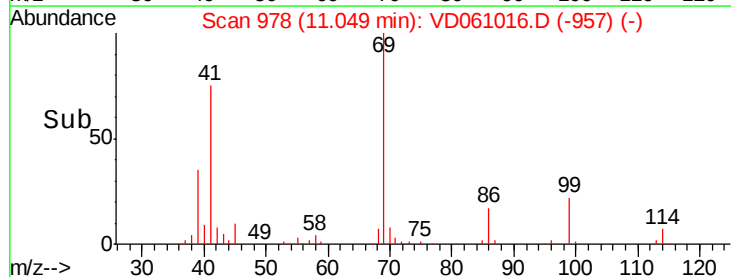
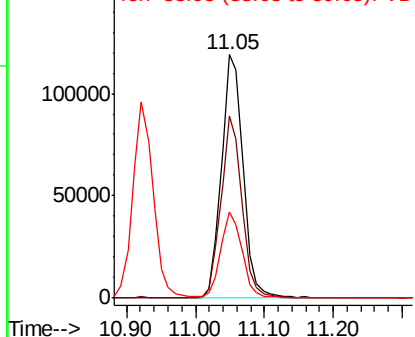


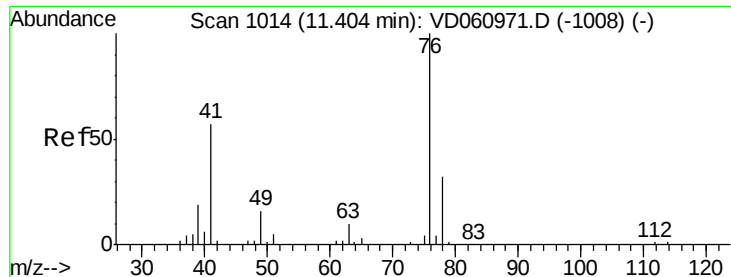
#56
 Ethyl methacrylate
 Concen: 51.602 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 69 Resp: 258931
 Ion Ratio Lower Upper
 69 100
 41 75.0 55.5 83.3
 39 35.3 26.2 39.2



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: 53.029 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

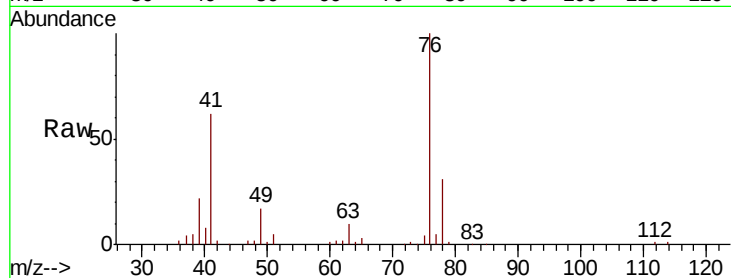
VSTDCCC050EC

Tot Ion: 76 Resp: 379897

Ion Ratio Lower Upper

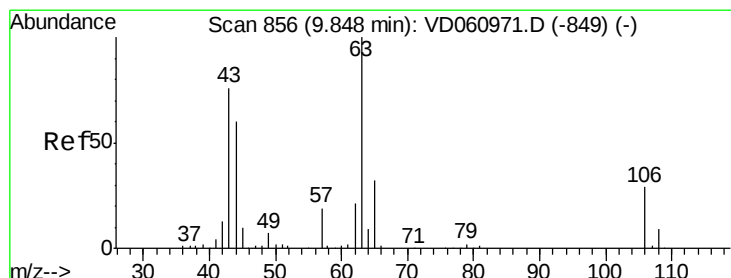
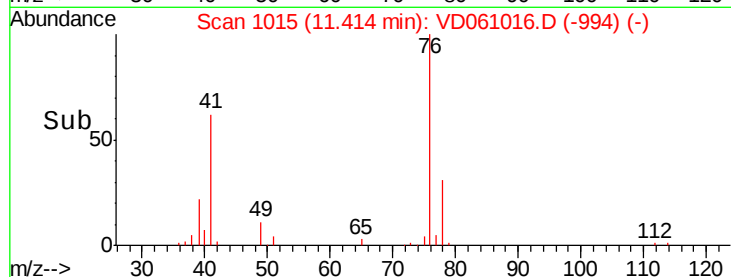
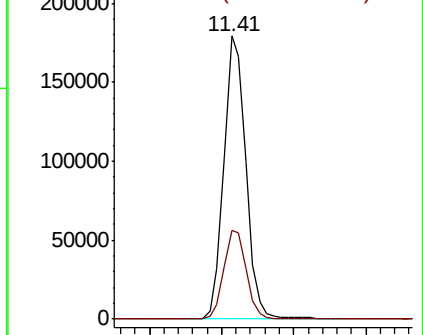
76 100

78 31.4 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 248.936 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD061016.D

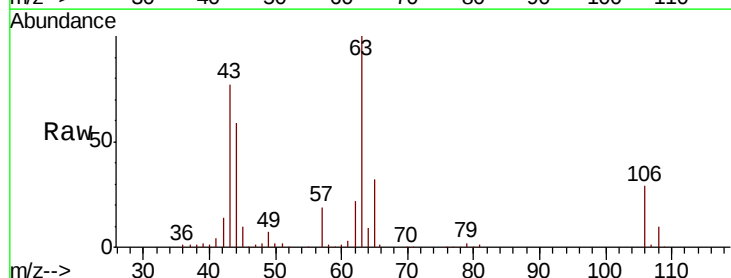
Acq: 11 Mar 2019 20:48

Tgt Ion: 63 Resp: 661185

Ion Ratio Lower Upper

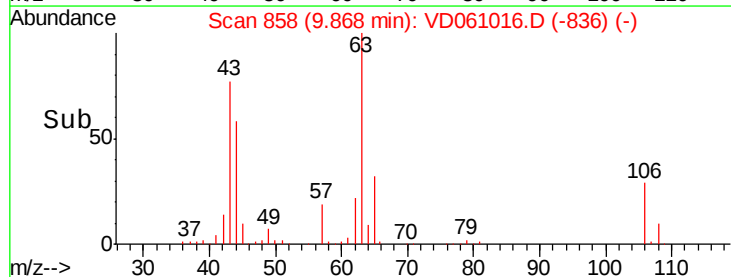
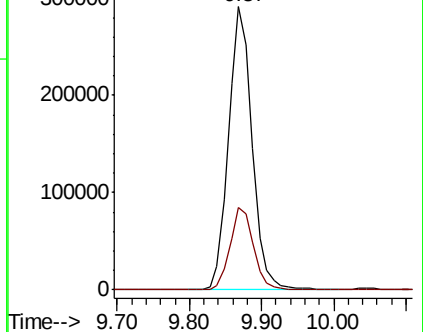
63 100

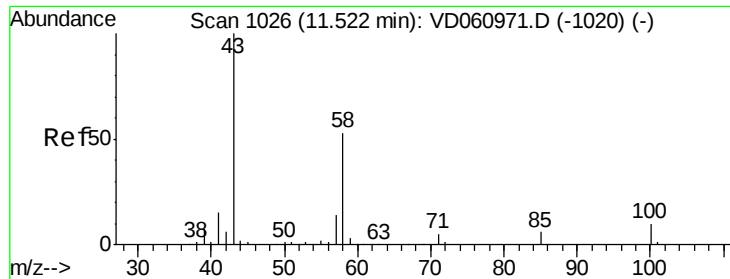
106 29.1 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

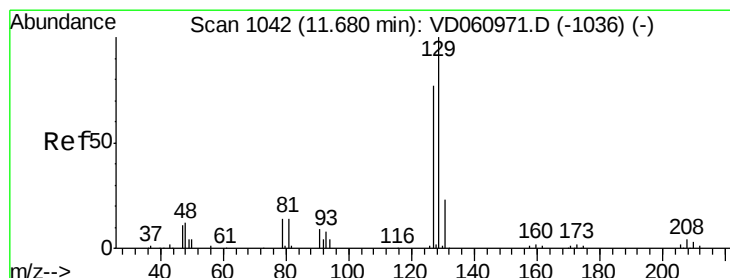
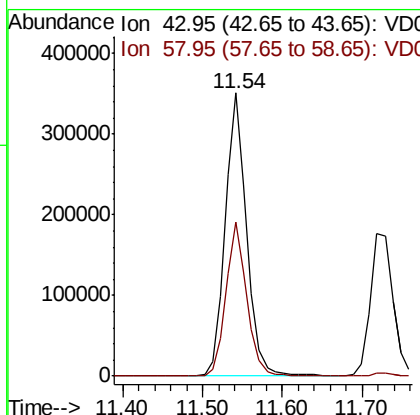
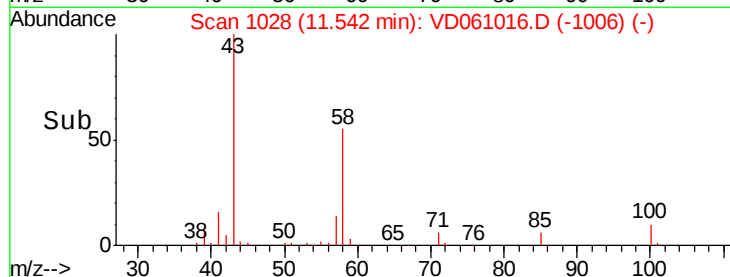
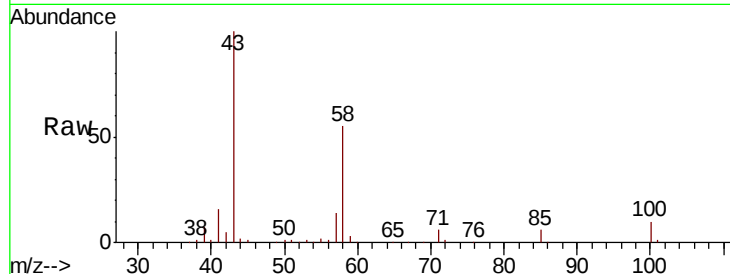




#59
2-Hexanone
Concen: 244.914 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

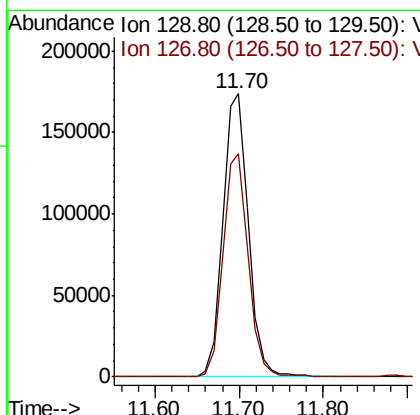
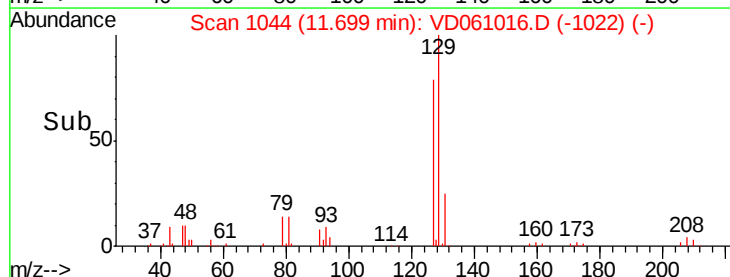
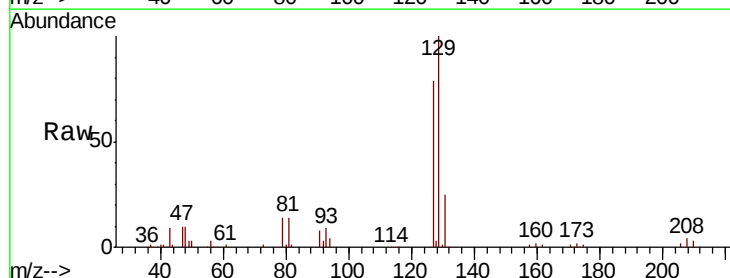
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

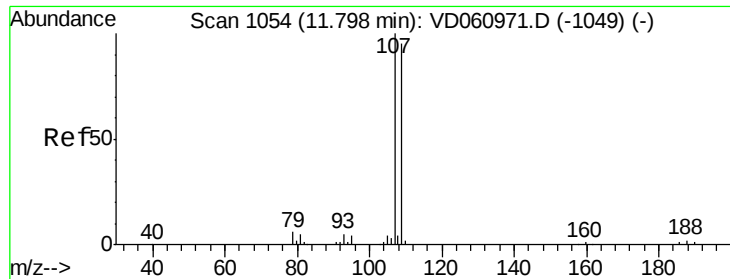
Tot Ion: 43 Resp: 660869
Ion Ratio Lower Upper
43 100
58 54.6 26.5 79.5



#60
Dibromochloromethane
Concen: 51.213 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion: 129 Resp: 361323
Ion Ratio Lower Upper
129 100
127 79.0 38.3 114.9

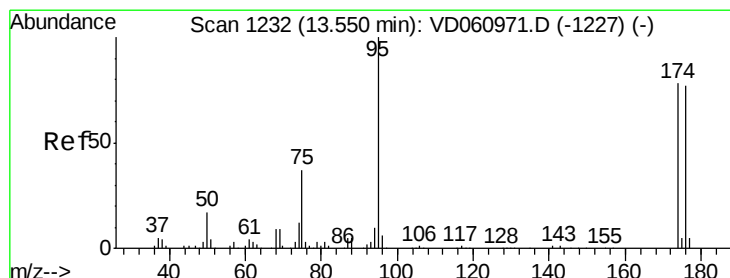
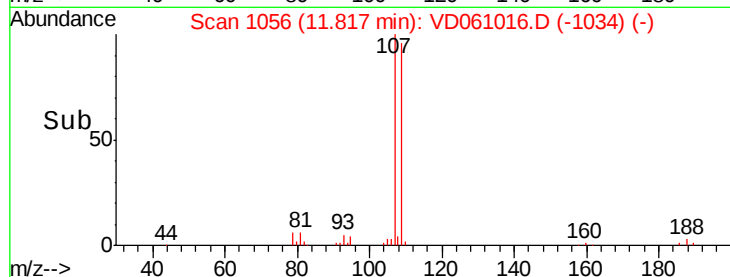
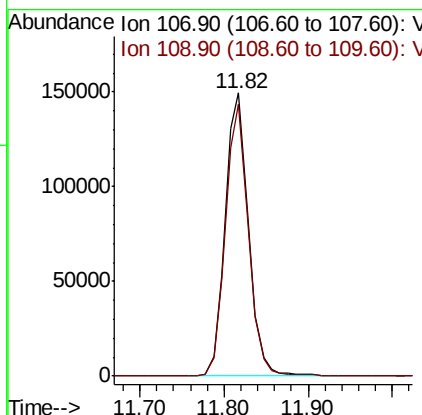
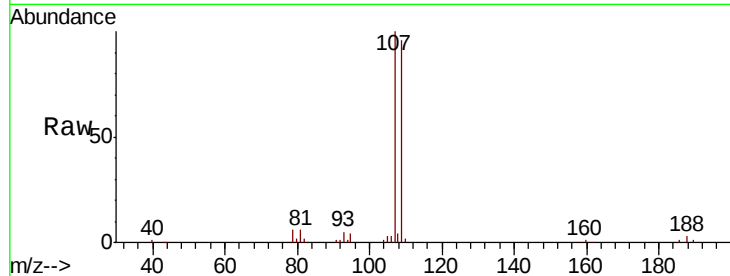




#61
 1,2-Dibromoethane
 Concen: 51.297 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

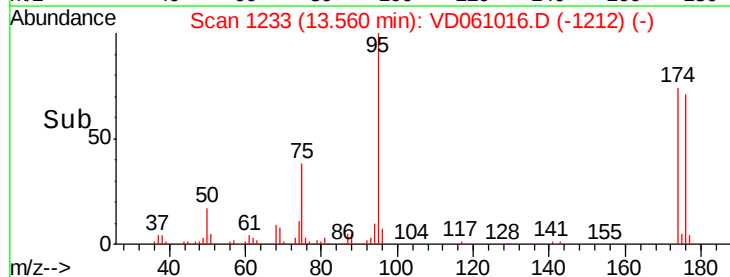
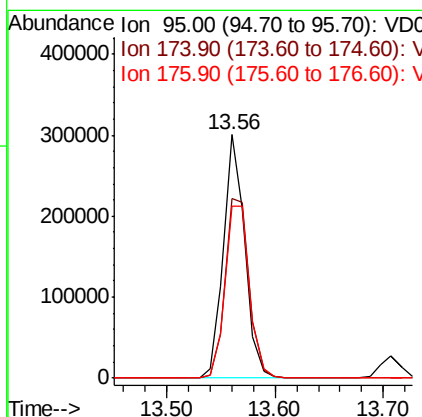
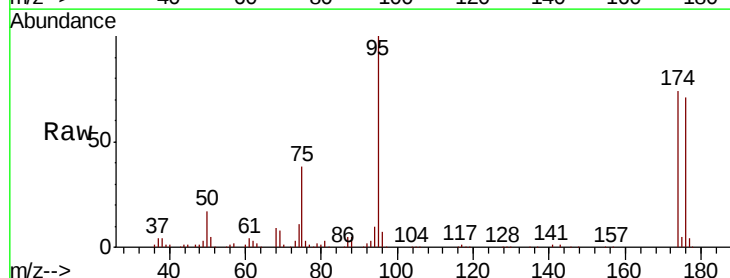
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

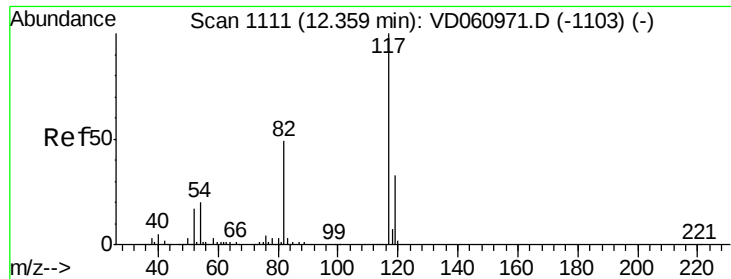
Tot Ion:107 Resp: 286068
 Ion Ratio Lower Upper
 107 100
 109 96.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.297 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 95 Resp: 413353
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 155.6
 176 70.7 0.0 153.8

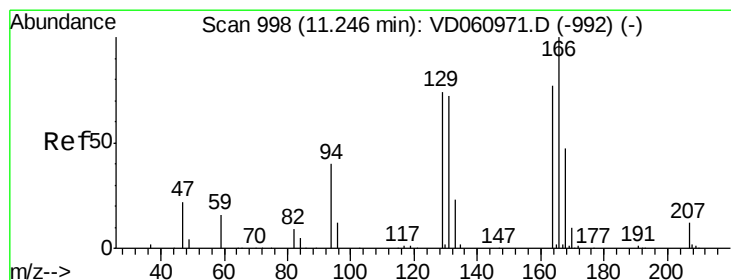
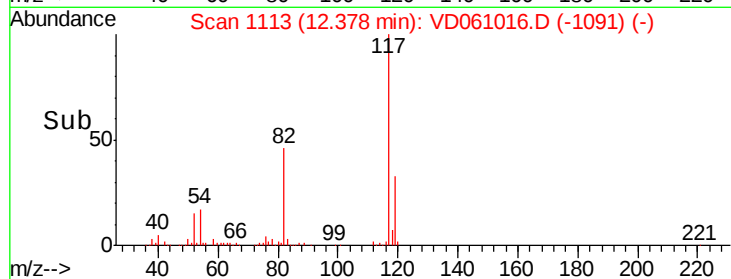
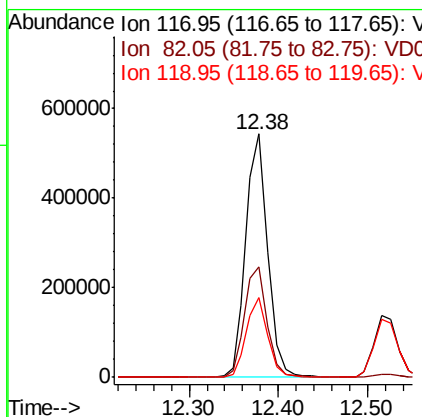
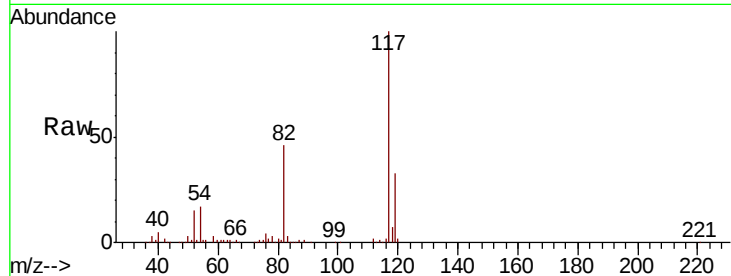




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

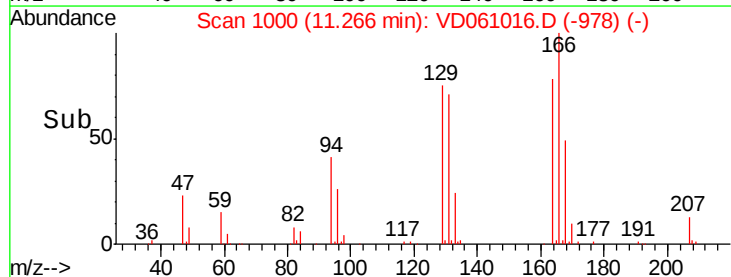
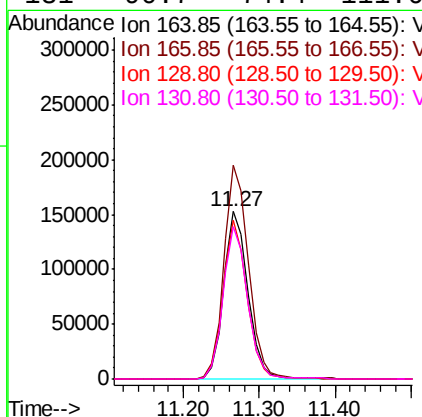
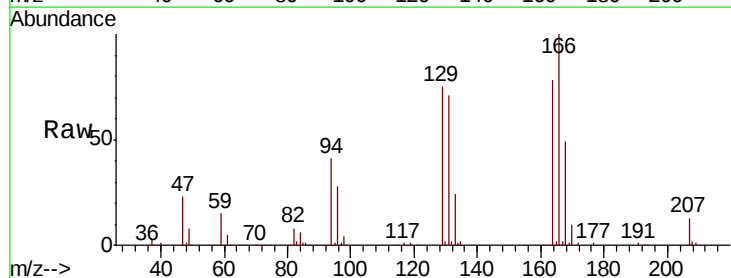
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

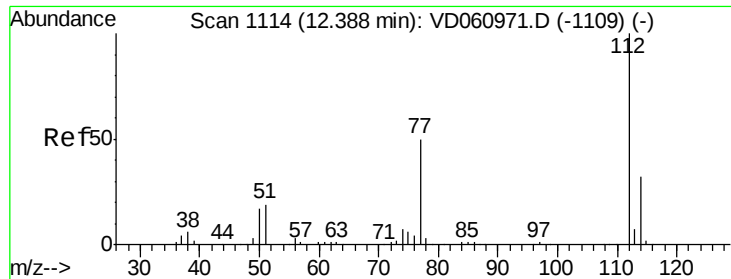
Tot Ion:117 Resp: 927705
Ion Ratio Lower Upper
117 100
82 45.5 38.9 58.3
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 54.059 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion:164 Resp: 338538
Ion Ratio Lower Upper
164 100
166 127.6 103.4 155.0
129 95.1 76.9 115.3
131 90.7 74.4 111.6

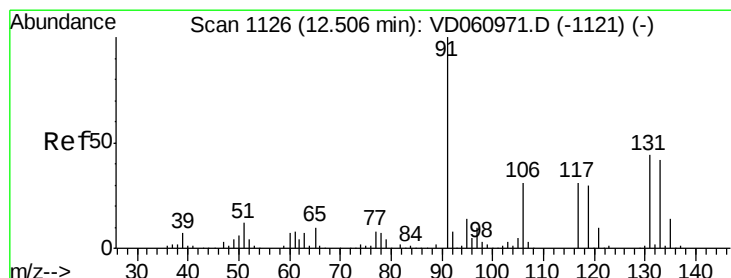
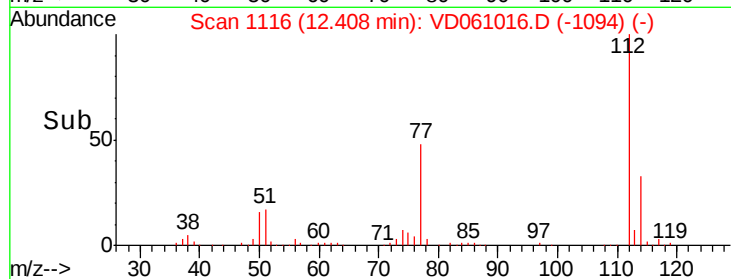
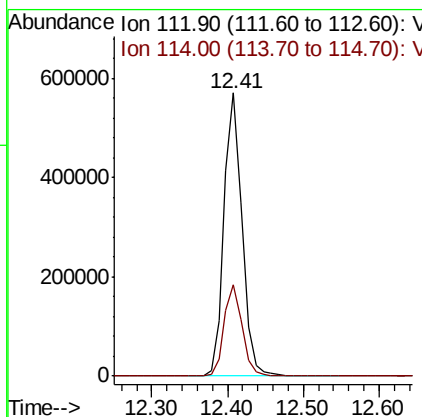
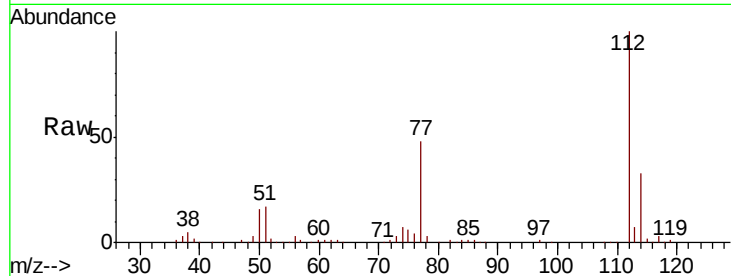




#65
Chlorobenzene
Concen: 52.094 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

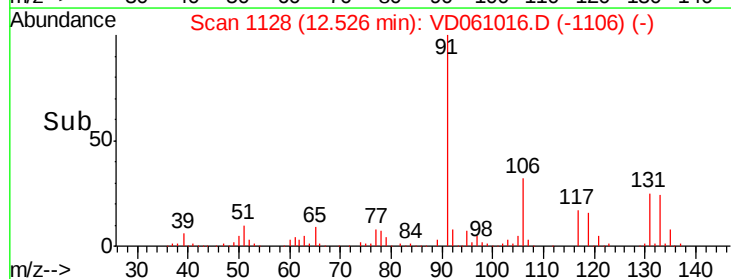
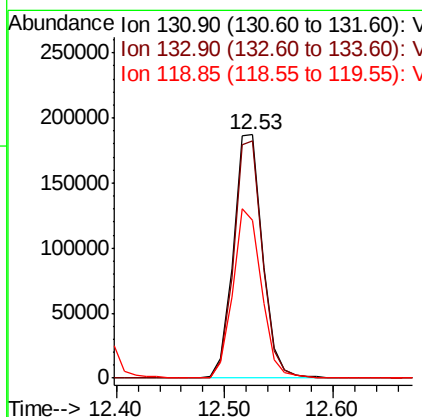
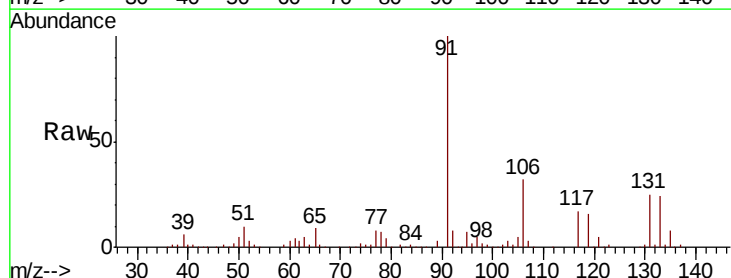
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 947437
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.946 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion:131 Resp: 349724
Ion Ratio Lower Upper
131 100
133 97.2 47.8 143.3
119 64.9 34.3 102.9

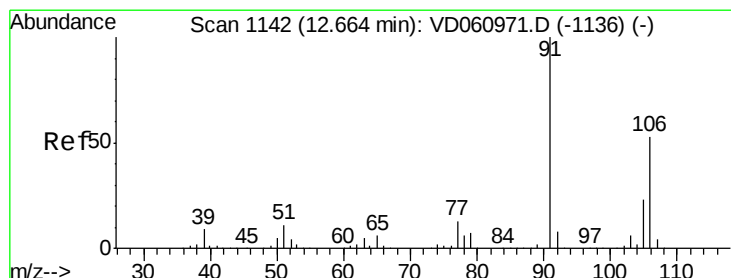
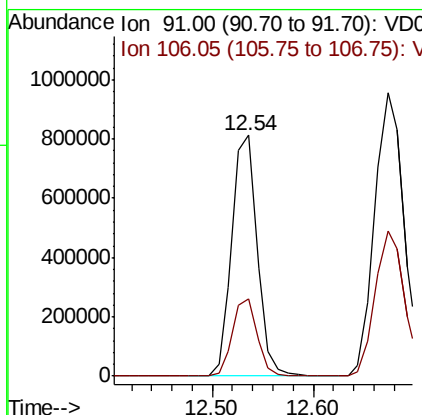
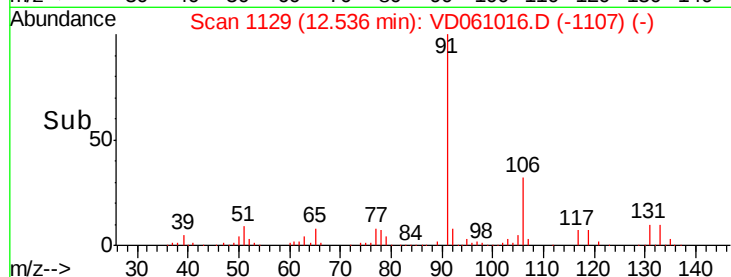
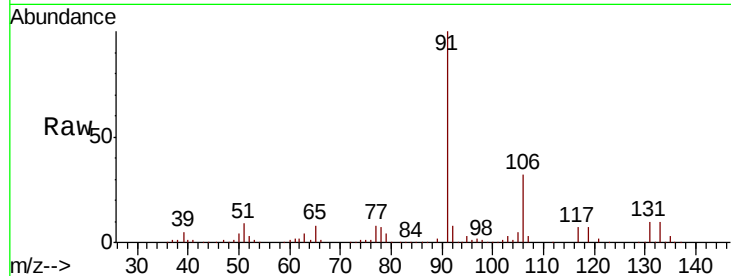




#67
Ethyl Benzene
Concen: 52.661 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

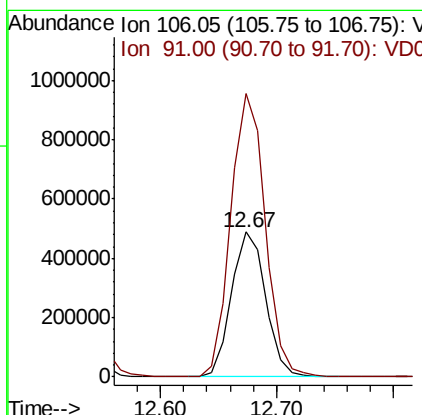
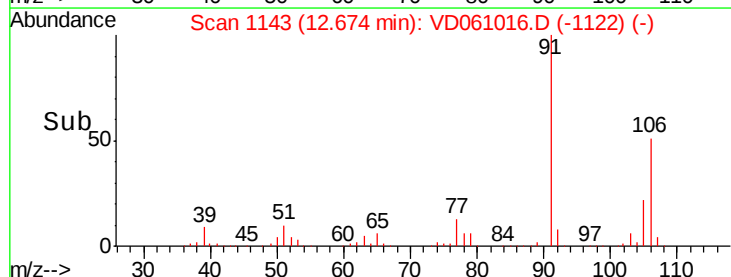
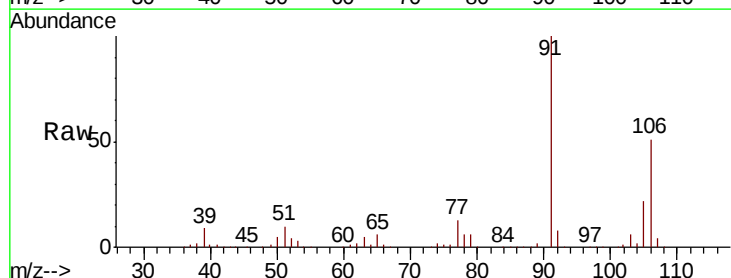
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

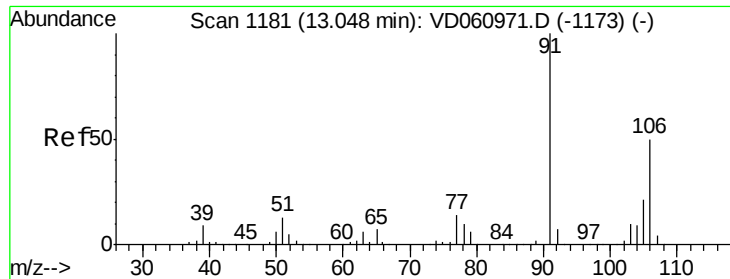
Tot Ion: 91 Resp: 1425842
Ion Ratio Lower Upper
91 100
106 31.9 25.7 38.5



#68
m/p-Xylenes
Concen: 93.796 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion: 106 Resp: 996780
Ion Ratio Lower Upper
106 100
91 195.2 152.0 228.0

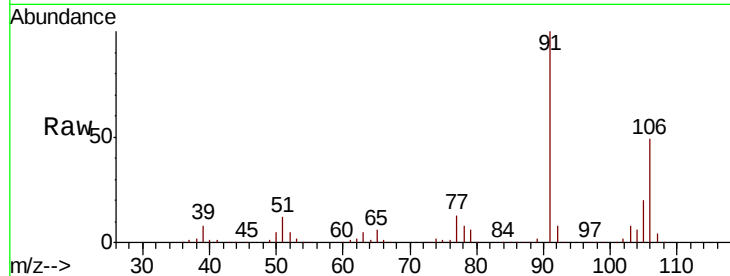




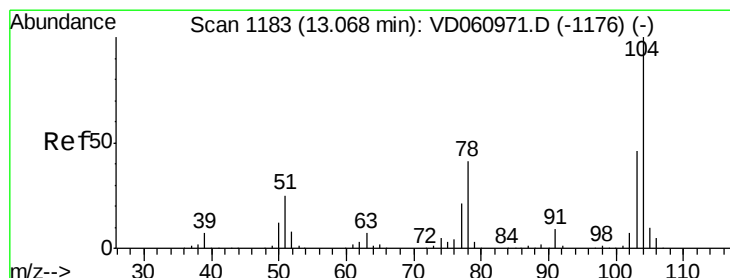
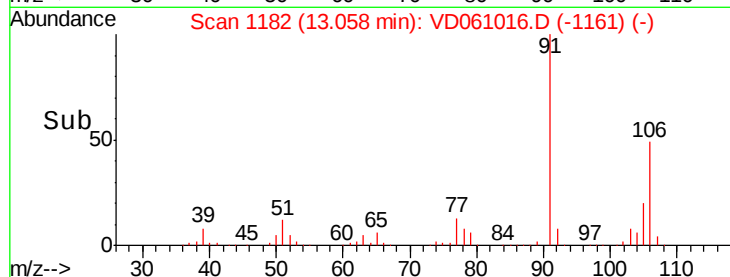
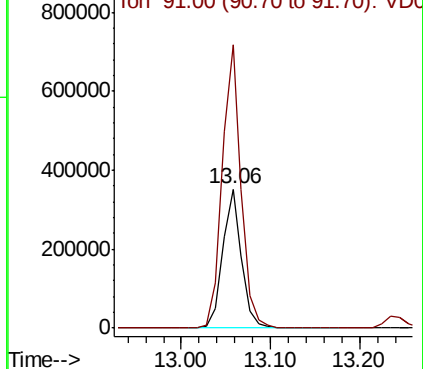
#69
o-Xylene
Concen: 49.902 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 521284
Ion Ratio Lower Upper
106 100
91 203.2 99.8 299.3

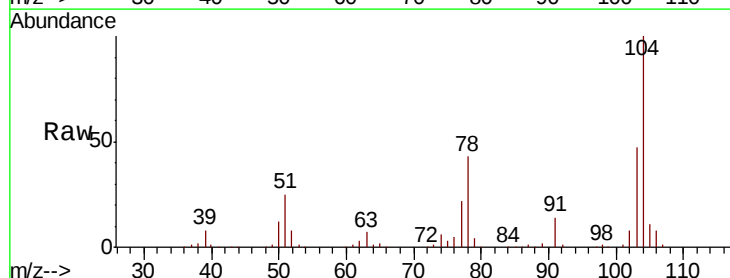


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

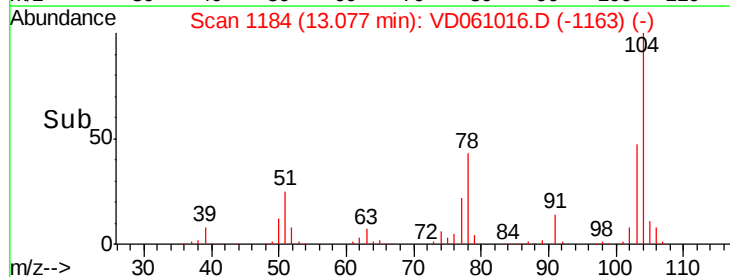
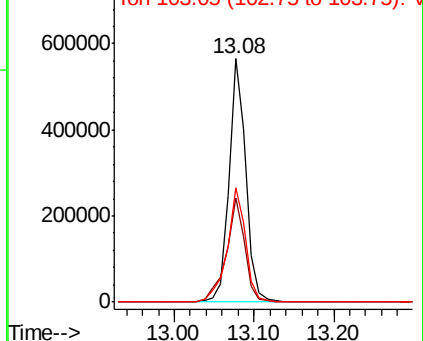


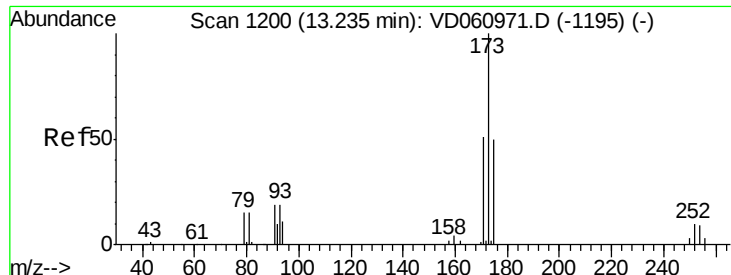
#70
Styrene
Concen: 48.890 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion:104 Resp: 833932
Ion Ratio Lower Upper
104 100
78 42.9 33.0 49.4
103 47.2 37.1 55.7



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





#71

Bromoform

Concen: 48.409 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

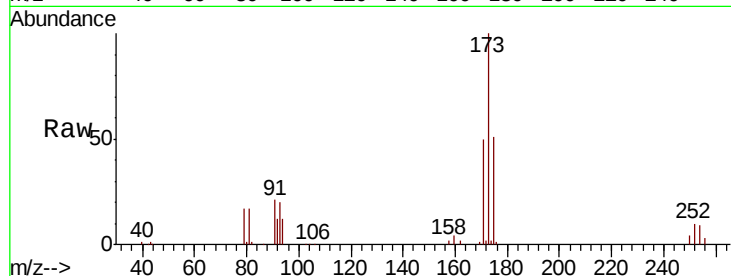
Tot Ion:173 Resp: 202450

Ion Ratio Lower Upper

173 100

175 51.2 24.9 74.8

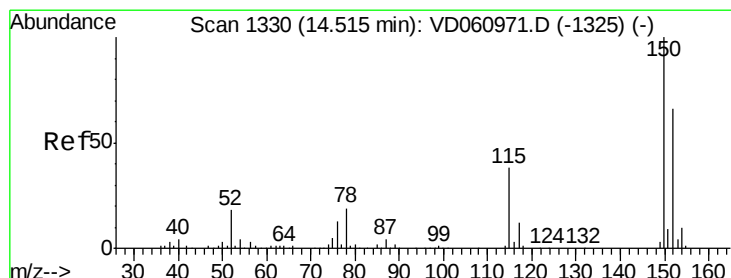
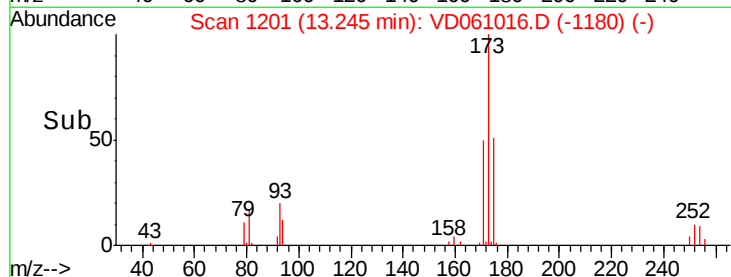
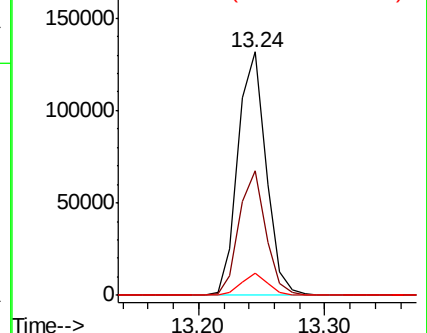
254 9.2 7.3 10.9



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: VD061016.D

Acq: 11 Mar 2019 20:48

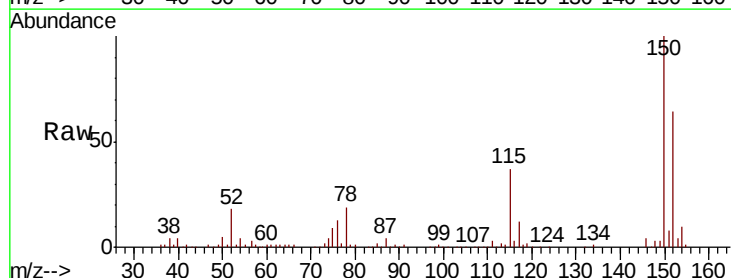
Tgt Ion:152 Resp: 391767

Ion Ratio Lower Upper

152 100

115 58.4 28.6 85.9

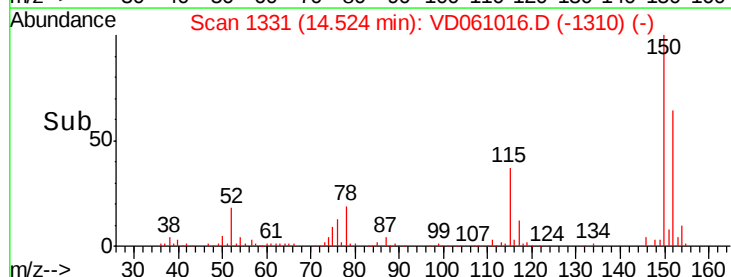
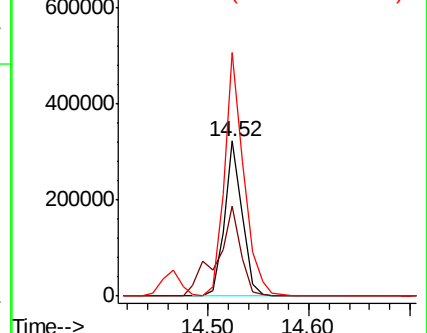
150 157.3 0.0 310.6

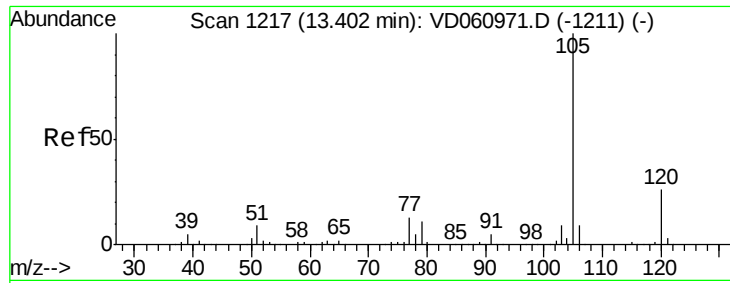


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.514 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

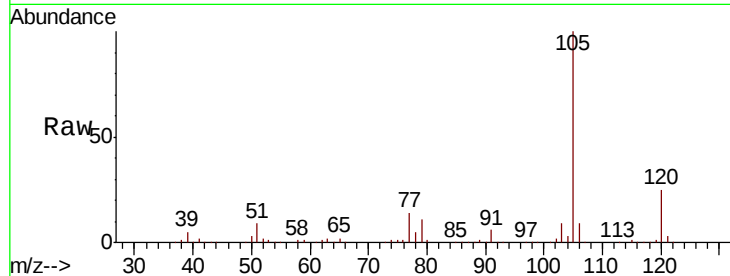
VSTDCCC050EC

Tot Ion:105 Resp: 1369735

Ion Ratio Lower Upper

105 100

120 24.8 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

400000

200000

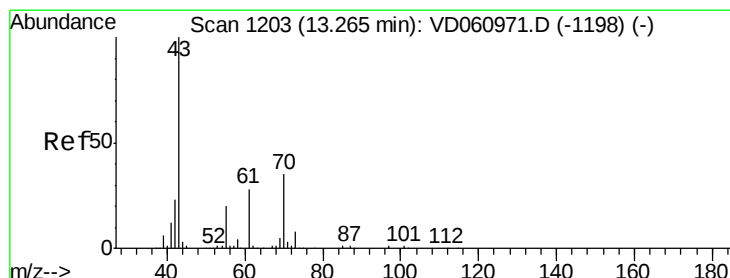
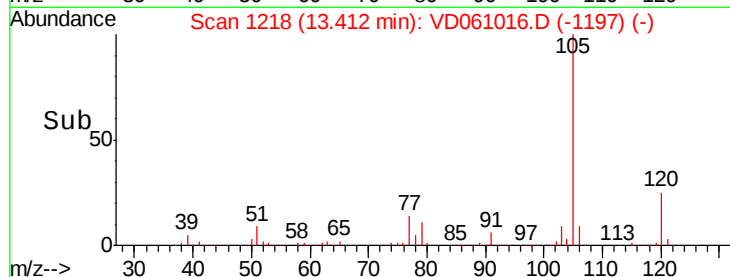
0

13.41

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 42.425 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Tgt Ion: 43 Resp: 337278

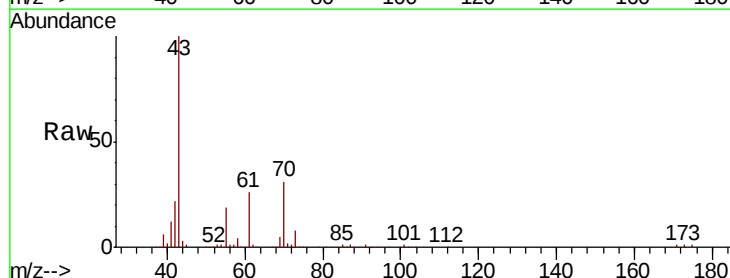
Ion Ratio Lower Upper

43 100

70 30.7 27.7 41.5

55 19.1 16.2 24.2

61 26.4 22.3 33.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

200000

100000

0

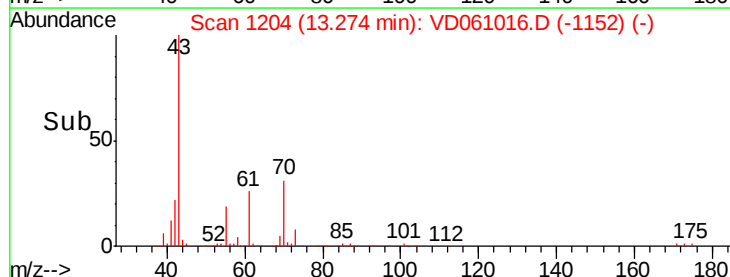
13.27

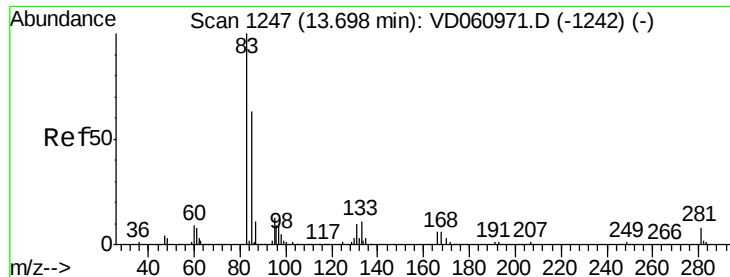
13.20

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.204 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

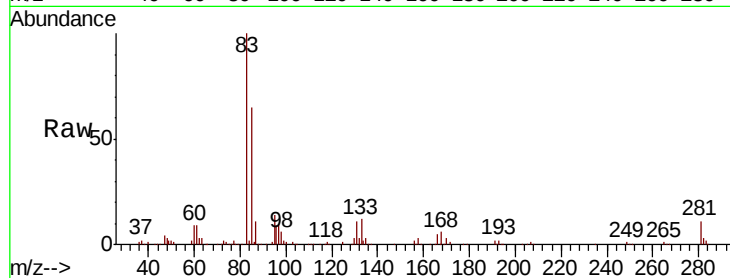
Tot Ion: 83 Resp: 260025

Ion Ratio Lower Upper

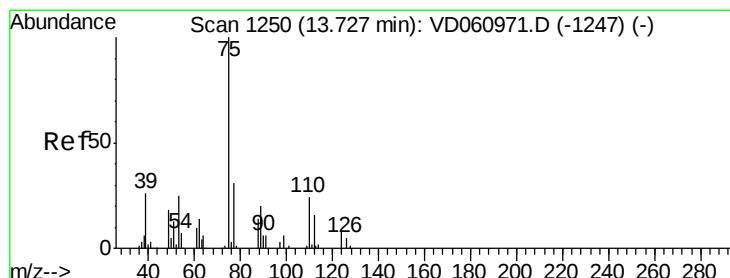
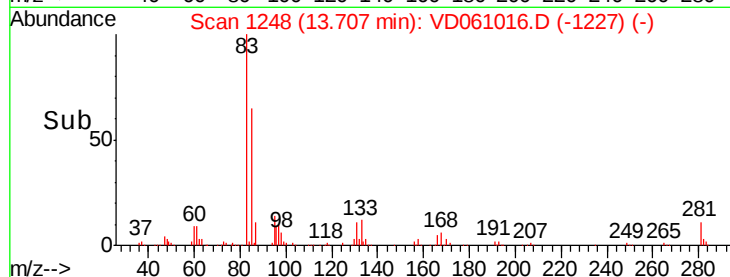
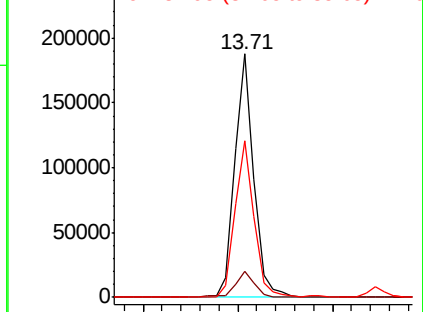
83 100

131 10.8 5.1 15.3

85 64.5 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 47.075 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061016.D

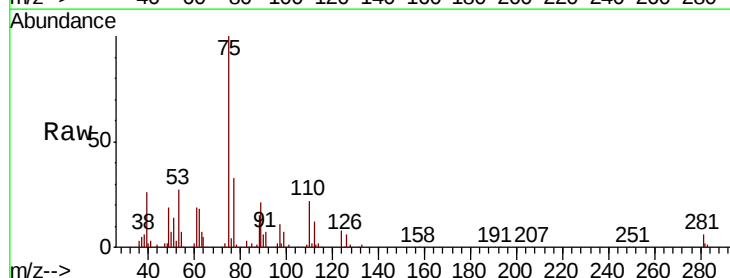
Acq: 11 Mar 2019 20:48

Tgt Ion: 75 Resp: 265326

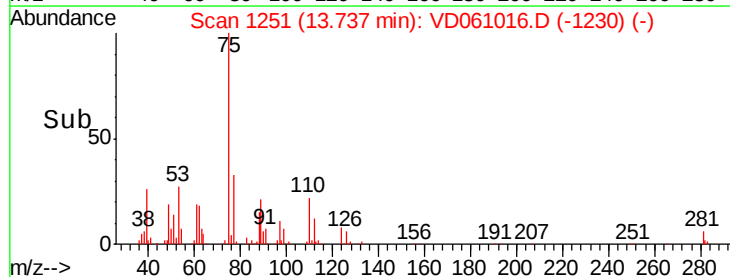
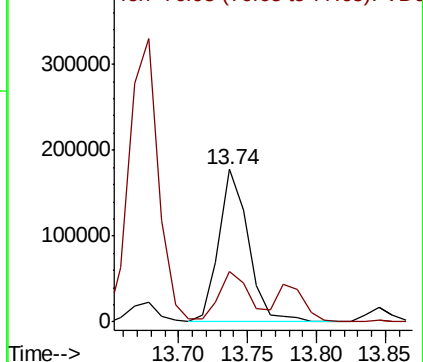
Ion Ratio Lower Upper

75 100

77 33.2 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.727 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

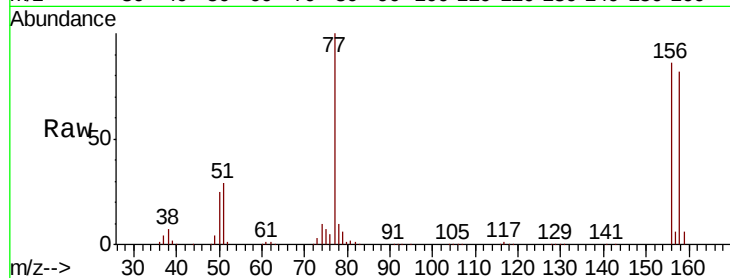
Tot Ion:156 Resp: 380017

Ion Ratio Lower Upper

156 100

77 115.9 55.5 166.7

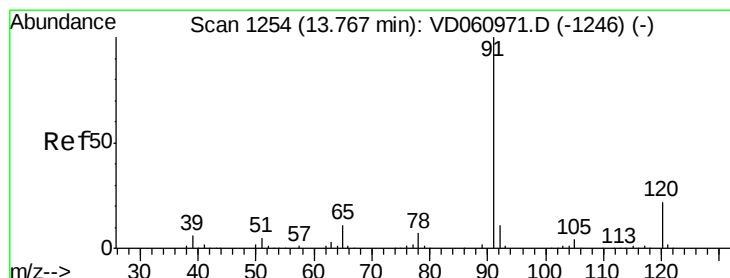
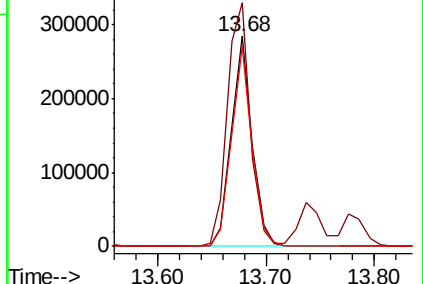
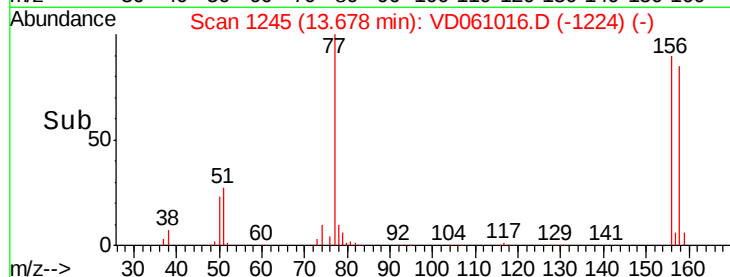
158 95.0 49.0 147.0



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: 51.320 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061016.D

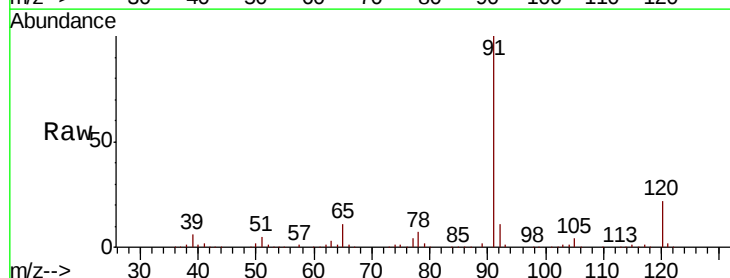
Acq: 11 Mar 2019 20:48

Tgt Ion: 91 Resp: 1696303

Ion Ratio Lower Upper

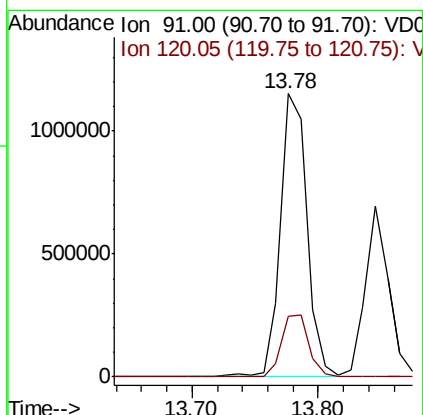
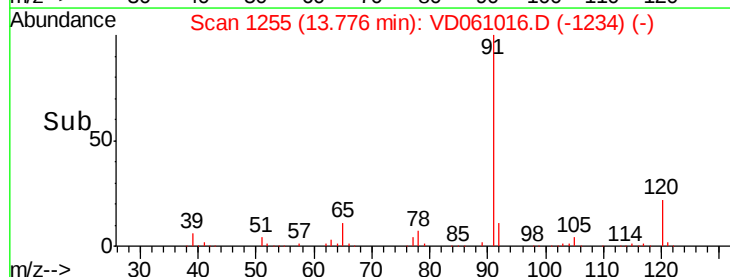
91 100

120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

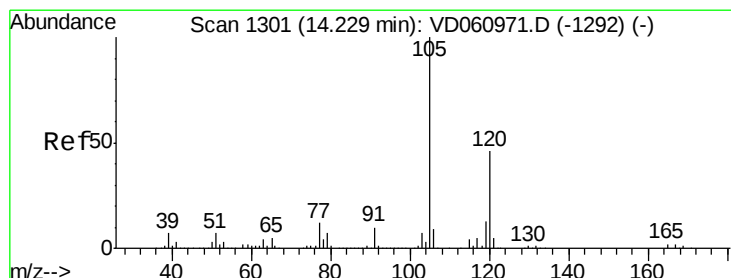
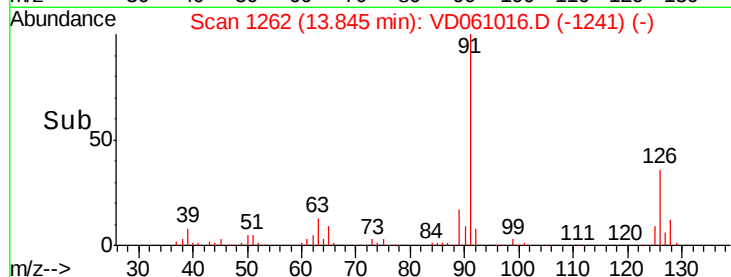
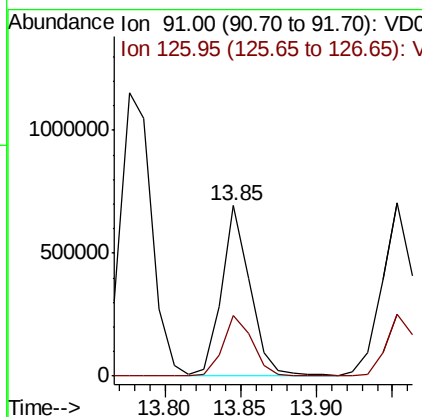
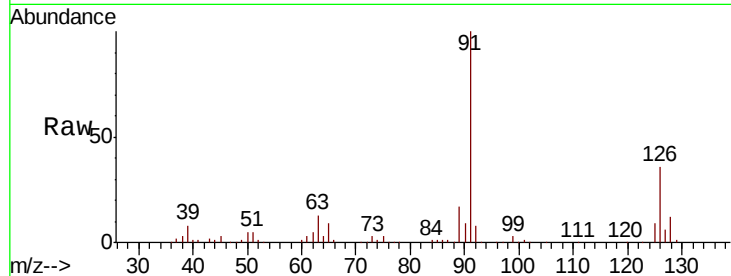




#79
2-Chlorotoluene
Concen: 49.583 ug/l
RT: 13.85 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

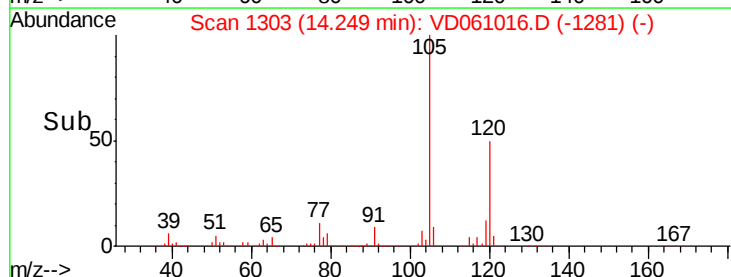
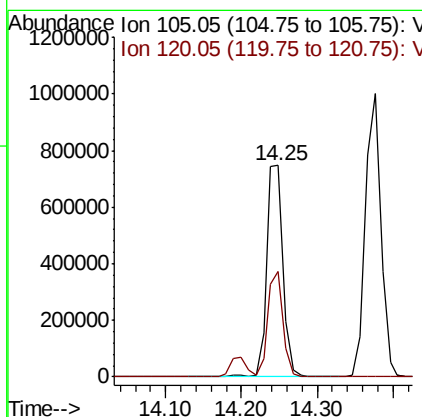
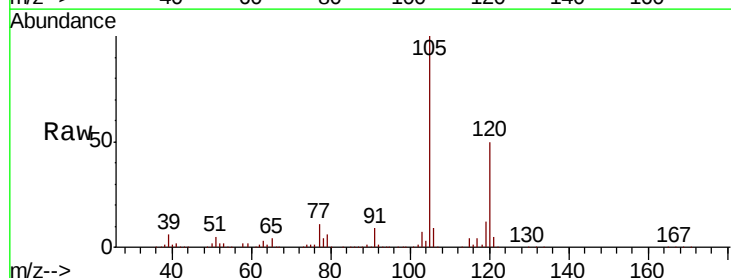
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 902267
Ion Ratio Lower Upper
91 100
126 35.9 18.6 55.6



#80
1,3,5-Trimethylbenzene
Concen: 52.320 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion: 105 Resp: 1121428
Ion Ratio Lower Upper
105 100
120 49.8 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 48.458 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

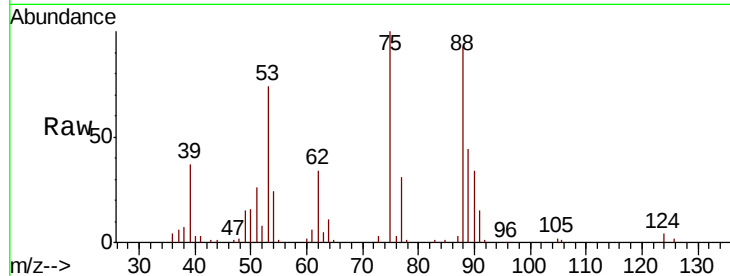
Tot Ion: 75 Resp: 80523

Ion Ratio Lower Upper

75 100

53 74.5 64.4 96.6

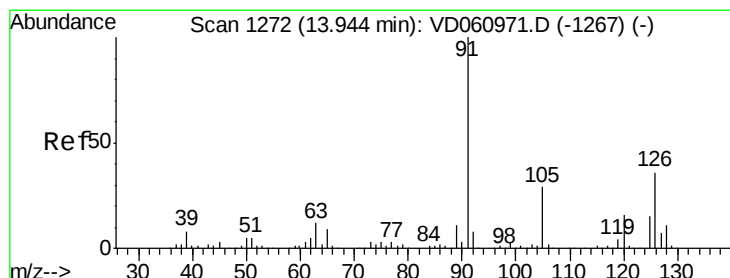
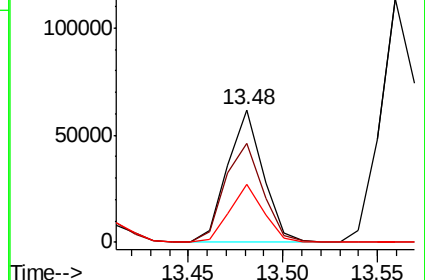
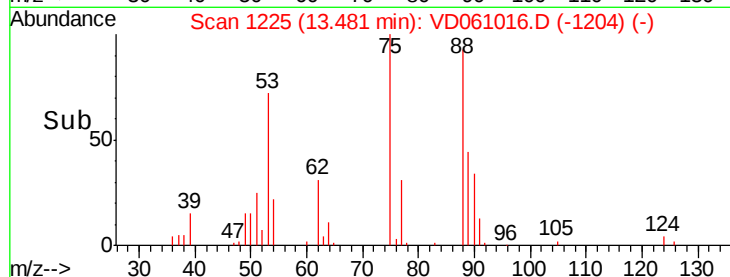
89 44.0 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 46.812 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061016.D

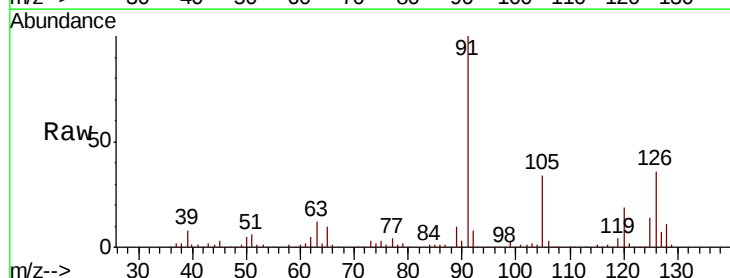
Acq: 11 Mar 2019 20:48

Tgt Ion: 91 Resp: 1007036

Ion Ratio Lower Upper

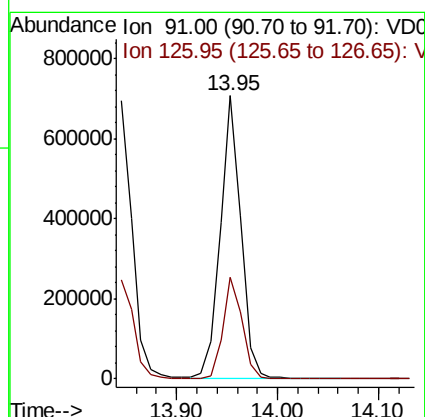
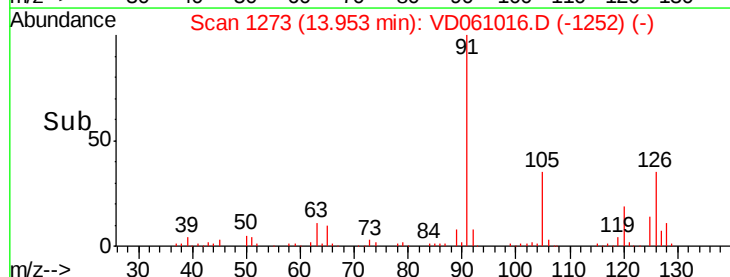
91 100

126 35.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

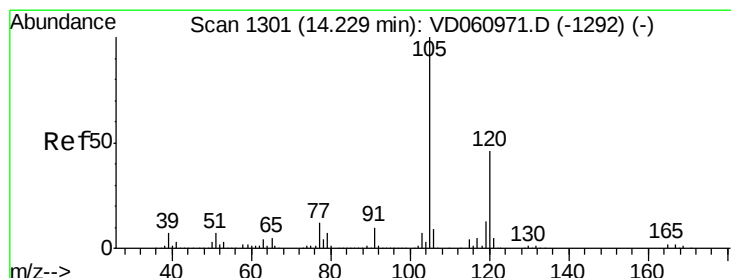
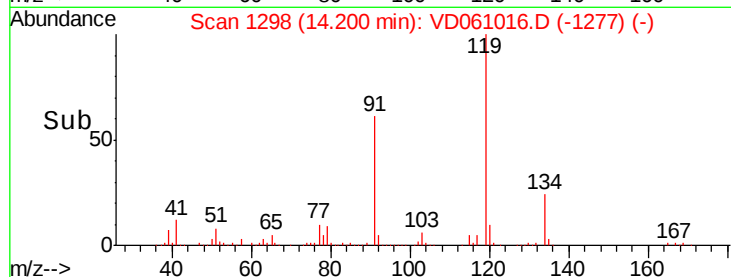
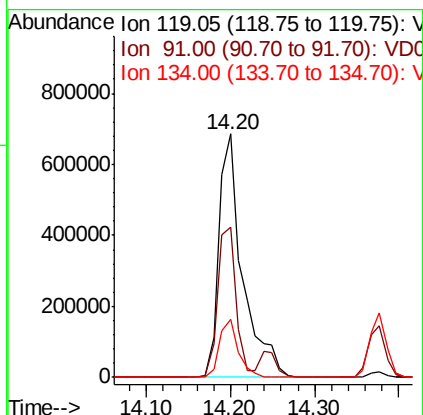
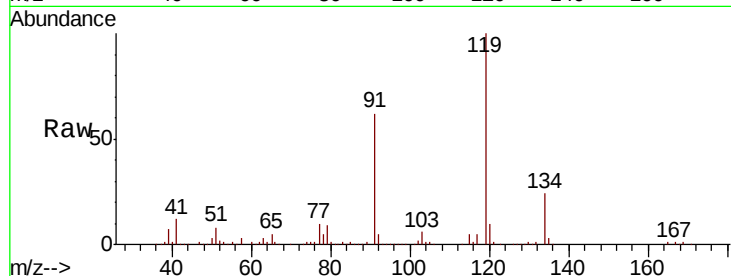




#83
tert-Butylbenzene
Concen: 56.969 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

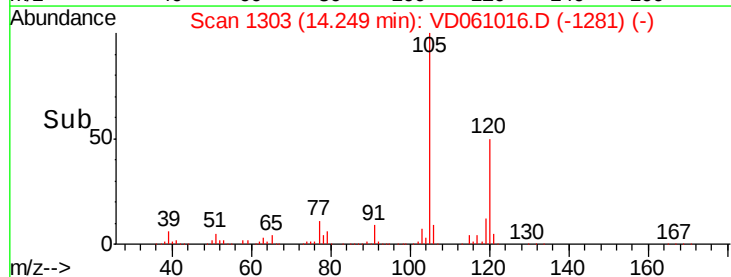
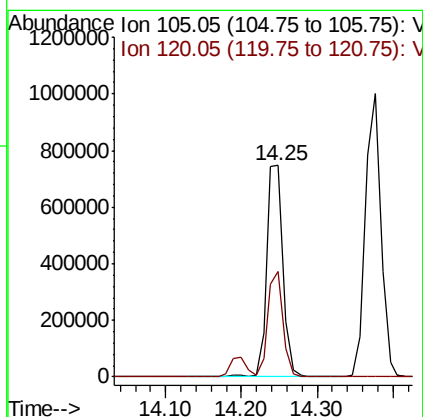
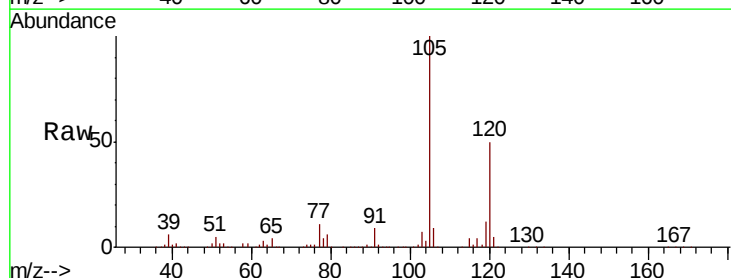
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

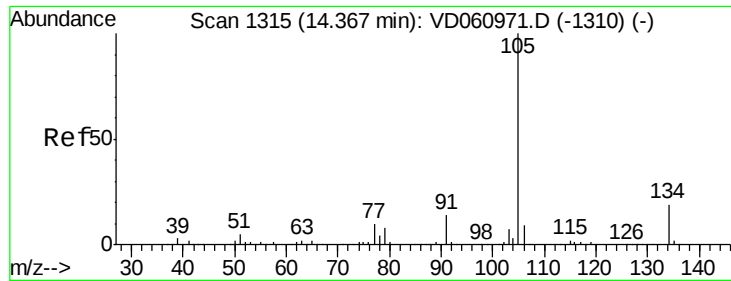
Tot Ion:119 Resp: 1336328
Ion Ratio Lower Upper
119 100
91 61.7 30.1 90.3
134 23.9 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 52.320 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion:105 Resp: 1121428
Ion Ratio Lower Upper
105 100
120 49.8 22.9 68.5





#85

sec-Butylbenzene

Concen: 48.795 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleID :

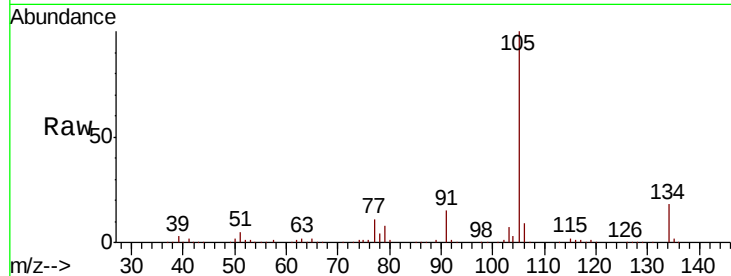
VSTDCCC050EC

Tot Ion:105 Resp: 1397324

Ion Ratio Lower Upper

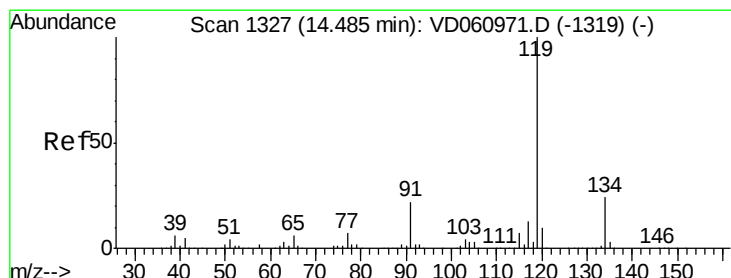
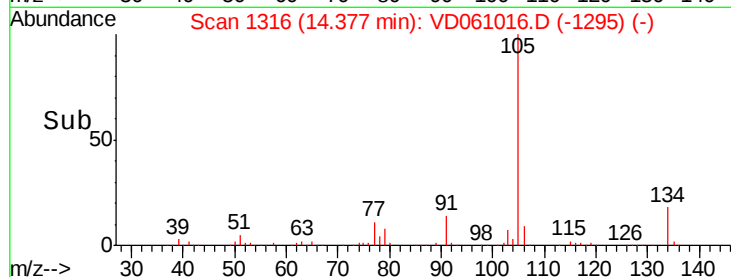
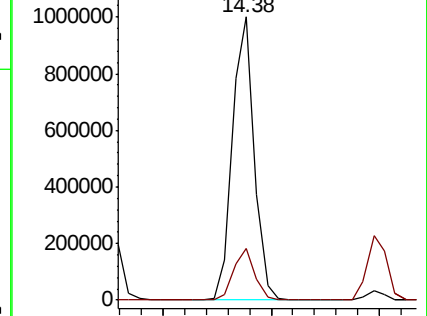
105 100

134 18.3 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.369 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

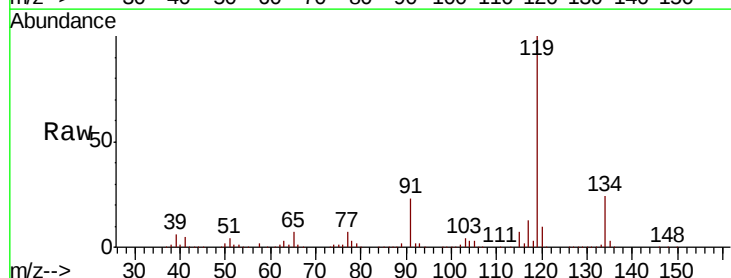
Tgt Ion:119 Resp: 1225820

Ion Ratio Lower Upper

119 100

134 23.6 12.0 36.1

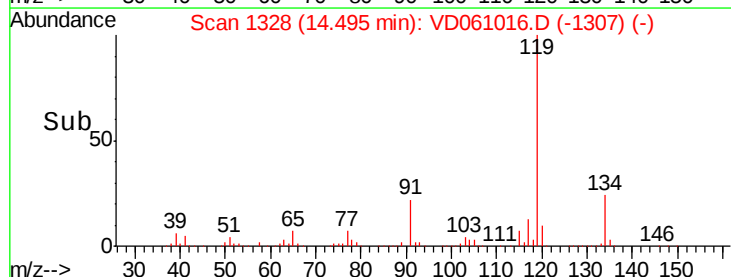
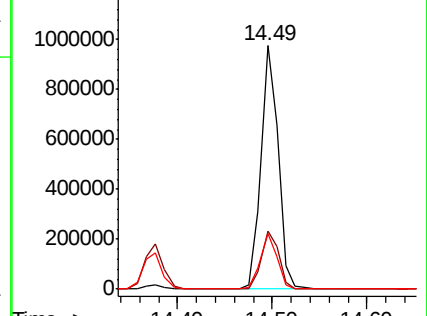
91 22.5 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

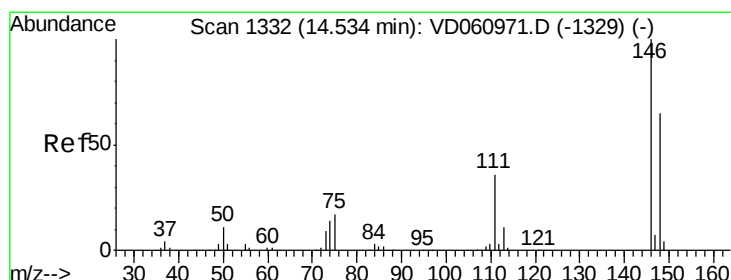
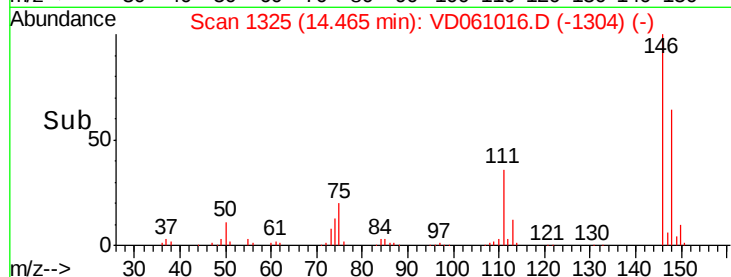
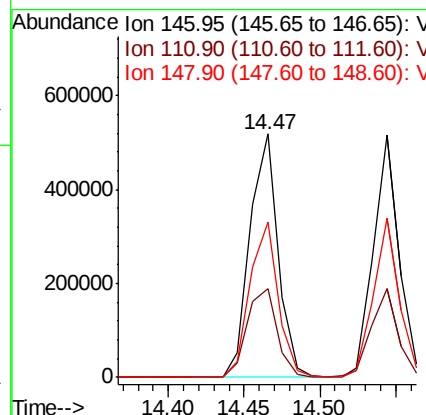
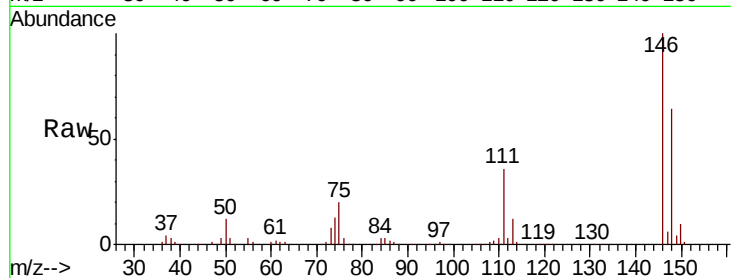




#87
 1,3-Dichlorobenzene
 Concen: 52.450 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

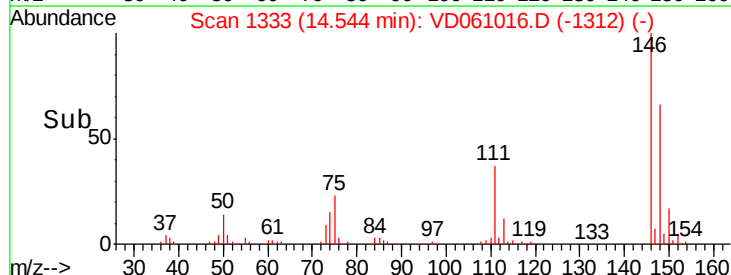
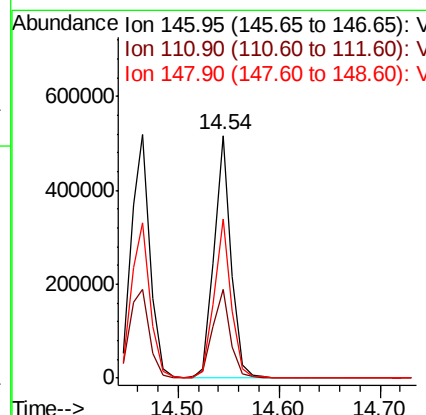
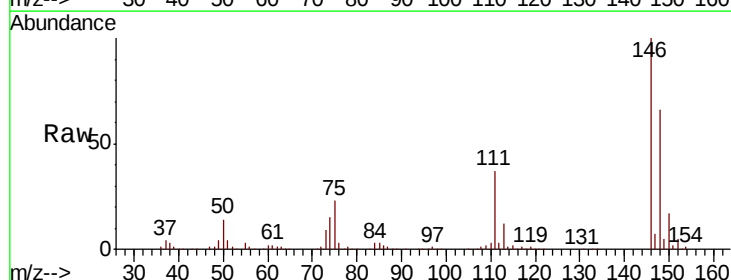
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 675019
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.4 55.4
 148 63.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 48.467 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion:146 Resp: 612954
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.4 55.2
 148 65.6 32.5 97.5





#89

n-Butylbenzene

Concen: 48.936 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061016.D

Acq: 11 Mar 2019 20:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

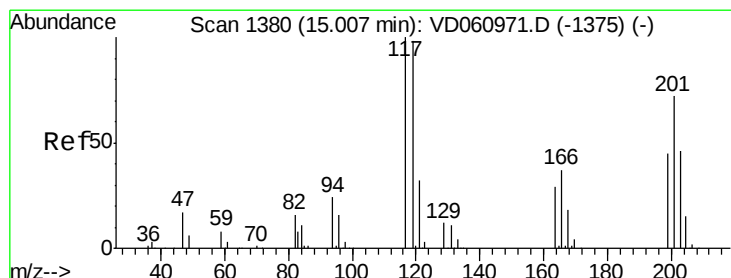
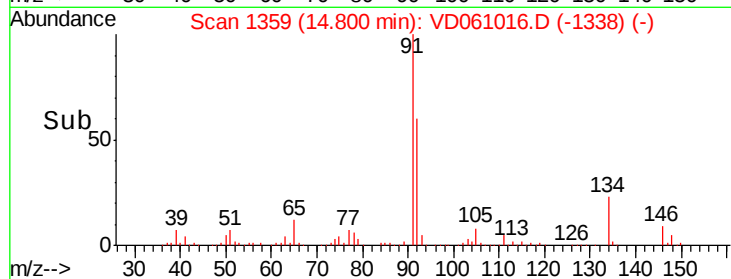
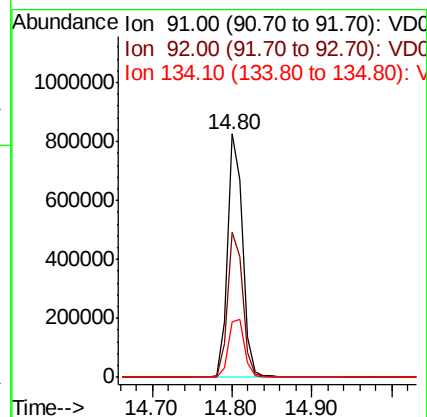
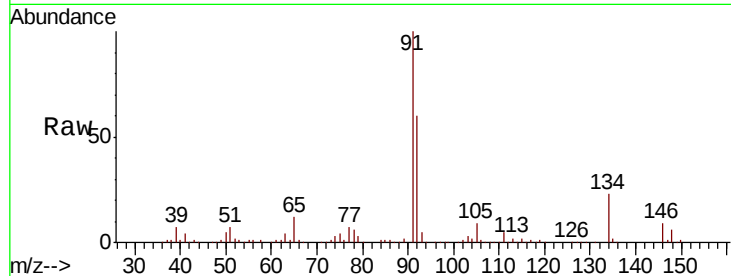
Tot Ion: 91 Resp: 1100006

Ion Ratio Lower Upper

91 100

92 59.7 30.6 91.8

134 22.5 11.0 33.0



#90

Hexachloroethane

Concen: 49.675 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD061016.D

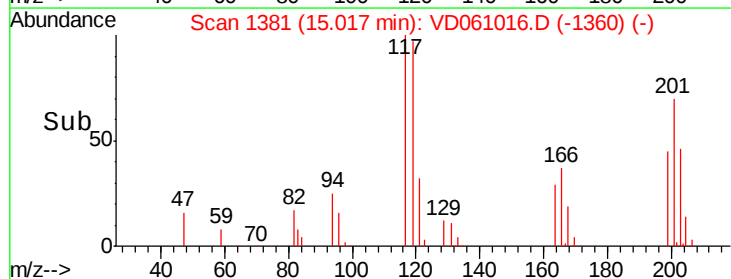
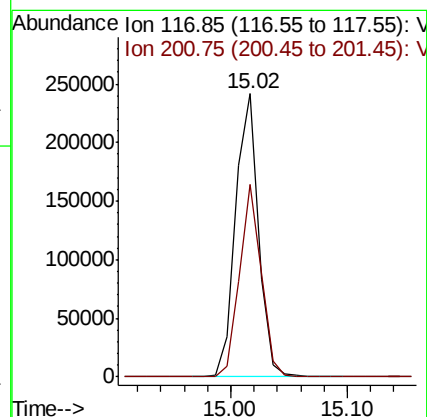
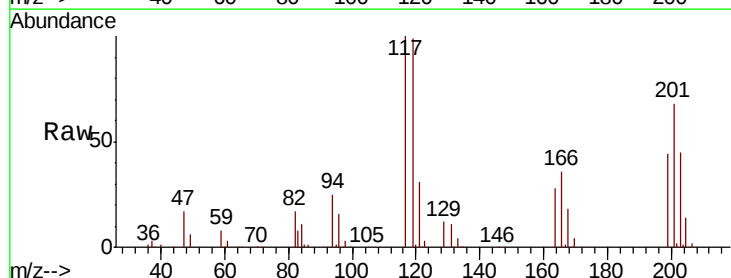
Acq: 11 Mar 2019 20:48

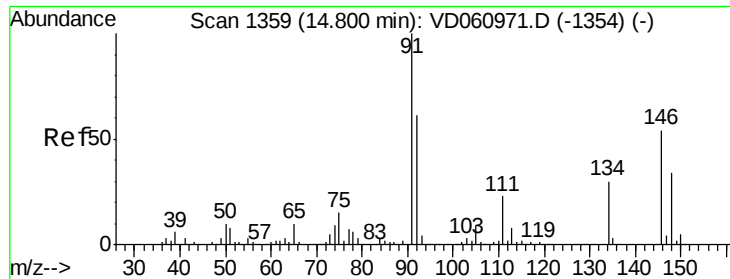
Tgt Ion: 117 Resp: 328337

Ion Ratio Lower Upper

117 100

201 68.2 36.2 108.6

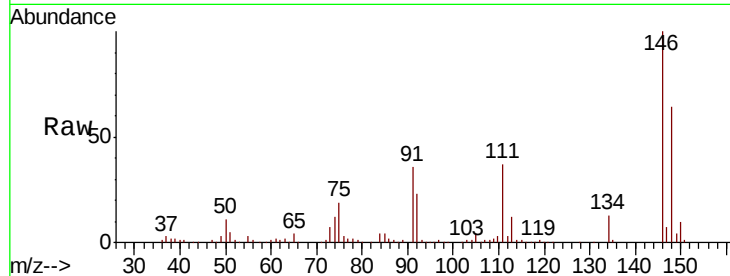




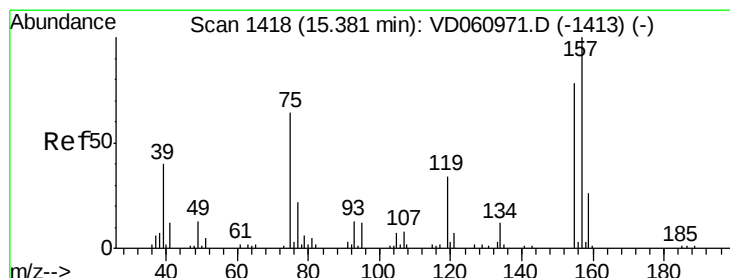
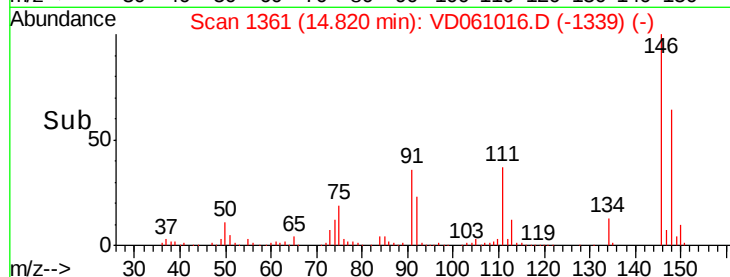
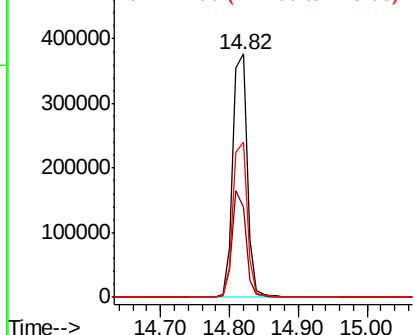
#91
 1,2-Dichlorobenzene
 Concen: 50.900 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 546101
 Ion Ratio Lower Upper
 146 100
 111 37.2 21.5 64.5
 148 63.6 30.9 92.8

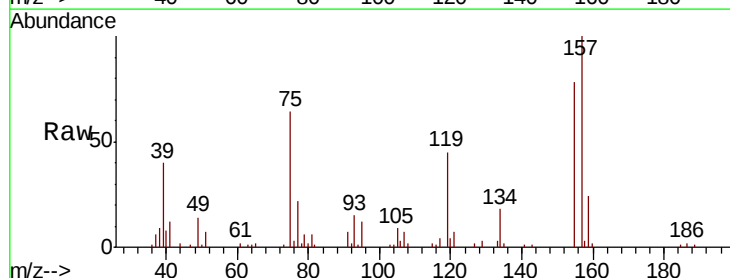


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

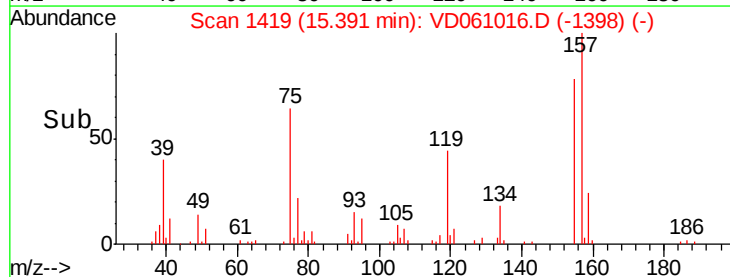
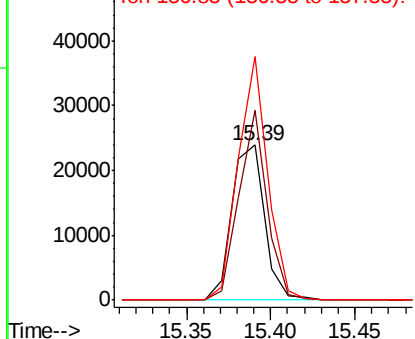


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.634 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion: 75 Resp: 32284
 Ion Ratio Lower Upper
 75 100
 155 122.4 61.2 183.5
 157 156.9 78.3 234.8



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

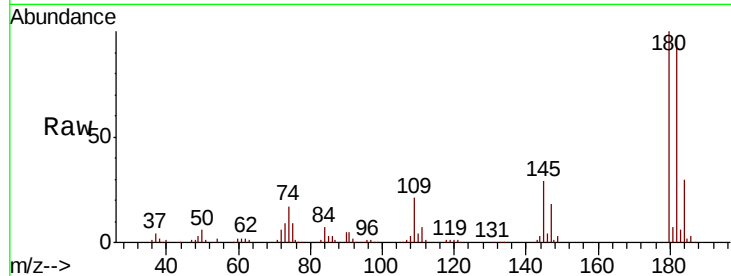




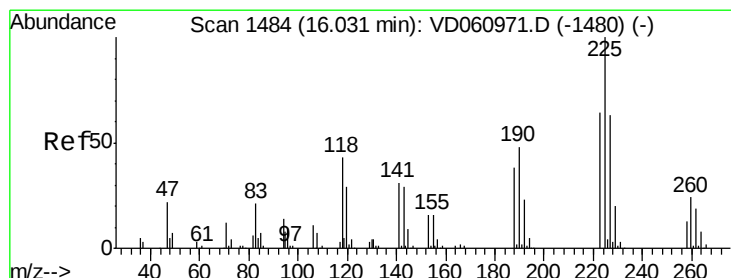
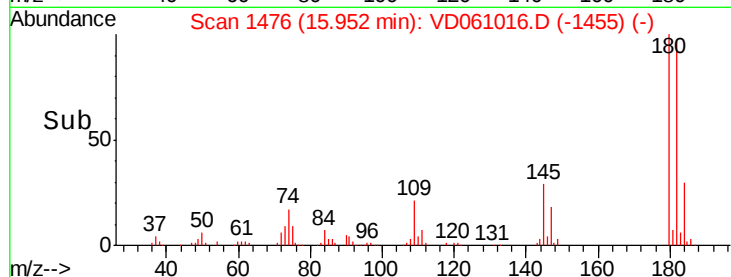
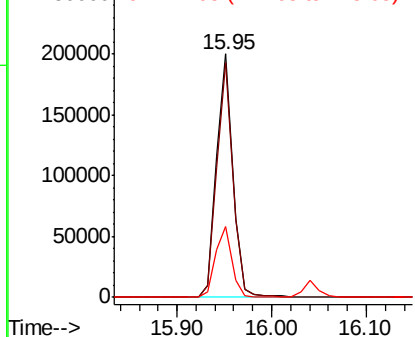
#93
 1,2,4-Trichlorobenzene
 Concen: 48.187 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 239833
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.3 142.0
 145 28.9 14.4 43.0

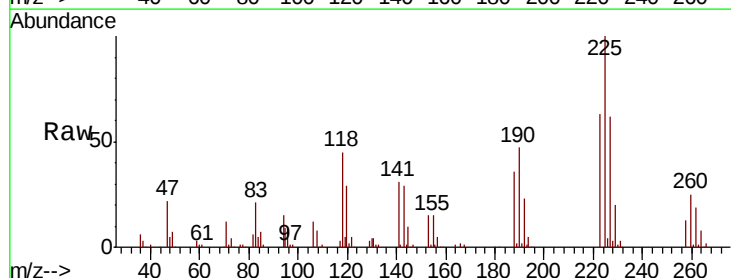


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

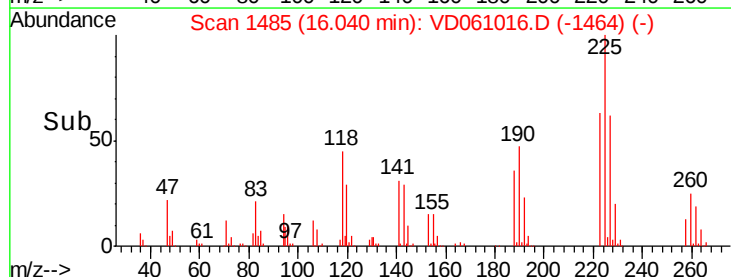
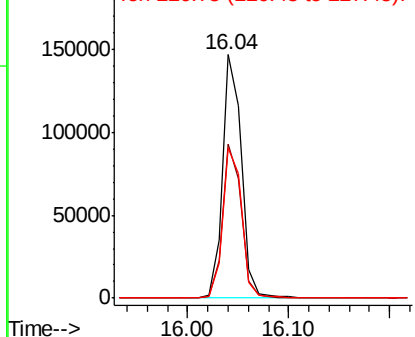


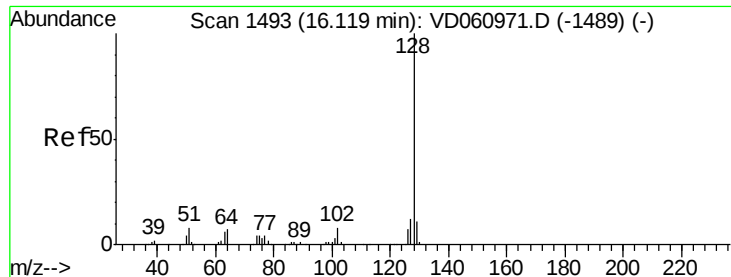
#94
 Hexachlorobutadiene
 Concen: 50.987 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061016.D
 Acq: 11 Mar 2019 20:48

Tgt Ion:225 Resp: 191948
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.8 95.3
 227 61.9 31.4 94.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

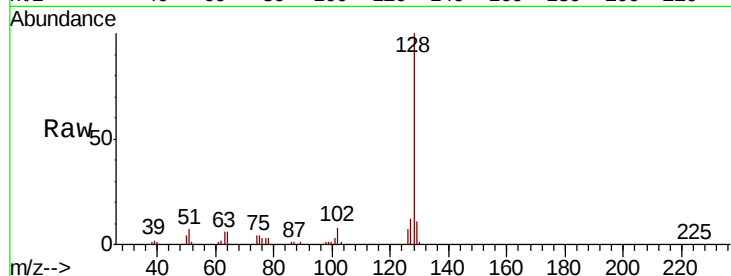




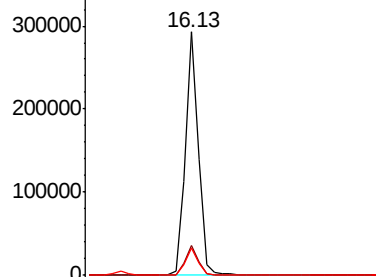
#95
Naphthalene
Concen: 45.027 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

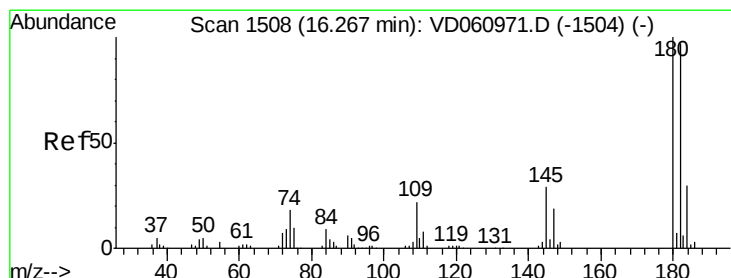
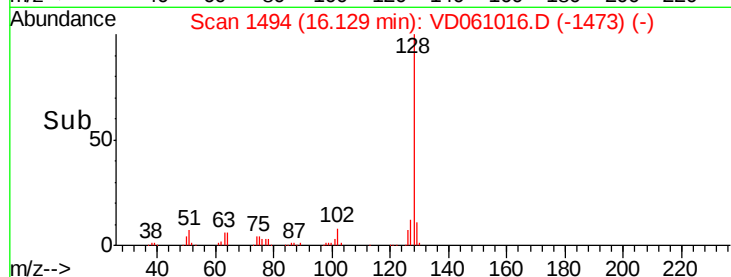
Tot Ion:128 Resp: 340554
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

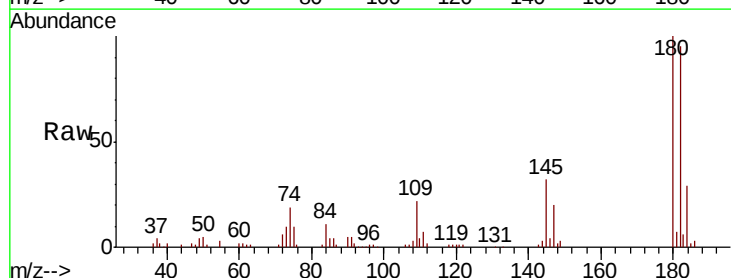


Time--> 16.00 16.10 16.20 16.30

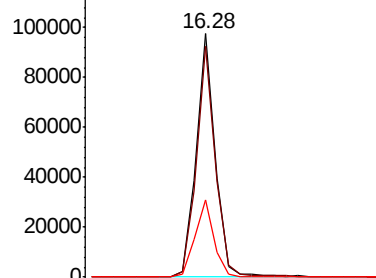


#96
1,2,3-Trichlorobenzene
Concen: 44.804 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061016.D
Acq: 11 Mar 2019 20:48

Tgt Ion:180 Resp: 110139
Ion Ratio Lower Upper
180 100
182 94.8 48.6 145.8
145 31.6 14.3 42.9



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



Time--> 16.20 16.30 16.40

