

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061865.D
 Acq On : 17 Apr 2019 21:05
 Operator : VA/AP
 Sample : VD0417SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 18 01:08:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	418968	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.19	114	633830	50.00	ug/l	-0.07
63) Chlorobenzene-d5	12.35	117	593310	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.51	152	301295	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	223885	63.76	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	127.52%	
35) Dibromofluoromethane	6.90	113	277135	57.87	ug/l	-0.07
Spiked Amount	50.000		Recovery	=	115.74%	
50) Toluene-d8	10.39	98	626648	55.23	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	110.46%	
62) 4-Bromofluorobenzene	13.54	95	275542	59.92	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	119.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	68494	16.750	ug/l	98
3) Chloromethane	1.74	50	62376	19.140	ug/l	98
4) Vinyl Chloride	1.83	62	63031	19.488	ug/l	95
5) Bromomethane	2.14	94	16429	20.526	ug/l	98
6) Chloroethane	2.24	64	21706	19.672	ug/l	98
7) Trichlorofluoromethane	2.51	101	111083	21.176	ug/l	97
8) Diethyl Ether	2.85	74	30152	21.933	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	97828	20.916	ug/l	99
10) Methyl Iodide	3.29	142	107415	16.889	ug/l	97
11) Tert butyl alcohol	4.03	59	26831	129.573	ug/l #	95
12) 1,1-Dichloroethene	3.11	96	77532	19.718	ug/l	97
13) Acrolein	3.01	56	21886	109.177	ug/l	98
14) Allyl chloride	3.60	41	117094	21.847	ug/l	98
15) Acrylonitrile	4.16	53	76615	117.854	ug/l	96
16) Acetone	3.20	43	90697	104.802	ug/l	96
17) Carbon Disulfide	3.36	76	227629	17.917	ug/l	99
18) Methyl Acetate	3.61	43	46561	26.843	ug/l	94
19) Methyl tert-butyl Ether	4.20	73	169830	23.144	ug/l	99
20) Methylene Chloride	3.79	84	115739	24.573	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	83380	19.295	ug/l	96
22) Diisopropyl ether	5.09	45	252193	22.013	ug/l	95
23) Vinyl Acetate	5.02	43	716723	117.027	ug/l	98
24) 1,1-Dichloroethane	4.95	63	150274	21.634	ug/l	99
25) 2-Butanone	6.04	43	113063	114.756	ug/l	99
26) 2,2-Dichloropropane	6.00	77	118282	19.701	ug/l	96
27) cis-1,2-Dichloroethene	6.01	96	98321	20.989	ug/l	96
28) Bromochloromethane	6.41	49	59133	22.412	ug/l	92
29) Tetrahydrofuran	6.44	42	58807	122.533	ug/l	98
30) Chloroform	6.63	83	176561	22.789	ug/l	100
31) Cyclohexane	6.93	56	93084	17.505	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	134397	19.569	ug/l	98
36) 1,1-Dichloropropene	7.12	75	118061	22.794	ug/l	97
37) Ethyl Acetate	6.15	43	59327	26.763	ug/l	94
38) Carbon Tetrachloride	7.09	117	137969	21.096	ug/l	98

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Quant Time: Apr 18 01:08:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	108511	20.175	ug/l	95
40) Benzene	7.43	78	299260	24.067	ug/l	94
41) Methacrylonitrile	6.43	41	66661	25.442	ug/l #	87
42) 1,2-Dichloroethane	7.56	62	110757	25.575	ug/l	97
43) Isopropyl Acetate	9.22	43	78062	25.024	ug/l	98
44) Trichloroethene	8.51	130	106545	22.258	ug/l	99
45) 1,2-Dichloropropane	8.92	63	72013	22.234	ug/l	93
46) Dibromomethane	9.05	93	59954	25.978	ug/l	91
47) Bromodichloromethane	9.36	83	128906	24.211	ug/l	96
48) Methyl methacrylate	9.10	41	49455	26.970	ug/l	96
49) 1,4-Dioxane	9.06	88	10895	543.600	ug/l #	87
51) 4-Methyl-2-Pentanone	10.28	43	262867	137.794	ug/l	99
52) Toluene	10.49	92	186800	23.442	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	118878	24.779	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	132497	23.528	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	68884	25.654	ug/l	97
56) Ethyl methacrylate	11.02	69	70818	24.031	ug/l	98
57) 1,3-Dichloropropane	11.39	76	101671	25.187	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.83	63	208624	148.835	ug/l	99
59) 2-Hexanone	11.52	43	170004	119.985	ug/l	98
60) Dibromochloromethane	11.67	129	118172	26.897	ug/l	99
61) 1,2-Dibromoethane	11.79	107	85786	25.983	ug/l	99
64) Tetrachloroethene	11.24	164	87374	19.636	ug/l	92
65) Chlorobenzene	12.38	112	235997	21.358	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	101016	21.816	ug/l	97
67) Ethyl Benzene	12.51	91	390586	22.073	ug/l	97
68) m/p-Xylenes	12.66	106	284706	42.834	ug/l	99
69) o-Xylene	13.04	106	138146	22.112	ug/l	99
70) Styrene	13.06	104	233124	21.684	ug/l	99
71) Bromoform	13.22	173	64019	23.292	ug/l	98
73) Isopropylbenzene	13.40	105	335526	17.171	ug/l	98
74) N-amyl acetate	13.26	43	107162	20.395	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	84163	21.790	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	83910	21.207	ug/l	98
77) Bromobenzene	13.66	156	97981	17.652	ug/l	95
78) n-propylbenzene	13.76	91	475735	21.073	ug/l	95
79) 2-Chlorotoluene	13.83	91	257562	19.530	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	299214	19.299	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	23814	20.657	ug/l	97
82) 4-Chlorotoluene	13.94	91	296926	19.670	ug/l	94
83) tert-Butylbenzene	14.18	119	346919	19.056	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	324160	20.800	ug/l	99
85) sec-Butylbenzene	14.36	105	343895	18.273	ug/l	97
86) p-Isopropyltoluene	14.48	119	347152	19.715	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	201814	20.827	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	183302	19.137	ug/l	98
89) n-Butylbenzene	14.79	91	292626	18.774	ug/l	98
90) Hexachloroethane	15.00	117	86024	17.924	ug/l	87
91) 1,2-Dichlorobenzene	14.79	146	153760	18.944	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12069	25.459	ug/l	97

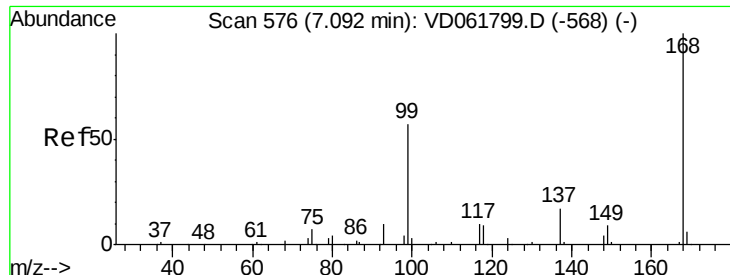
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
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Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	95234	21.363	ug/l	97
94) Hexachlorobutadiene	16.04	225	65808	20.370	ug/l	100
95) Naphthalene	16.11	128	160533	23.494	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	57404	22.596	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.06 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

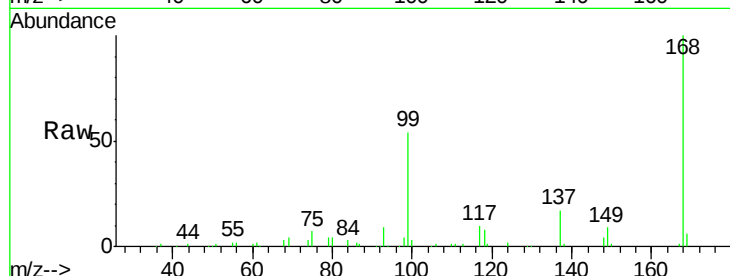
ClientSampleId :

Tot Ion:168 Resp: 418968

Ion Ratio Lower Upper

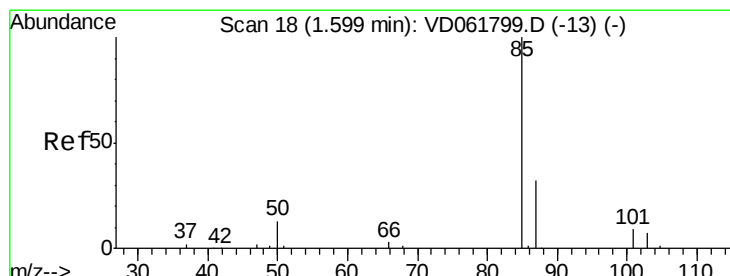
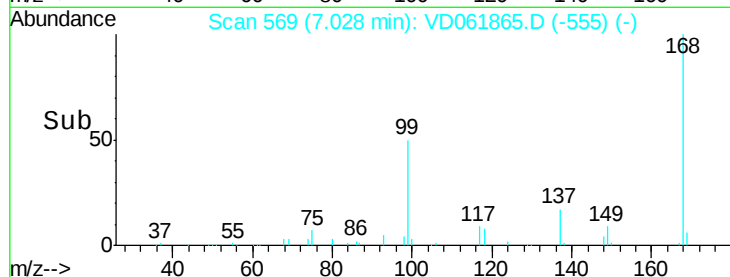
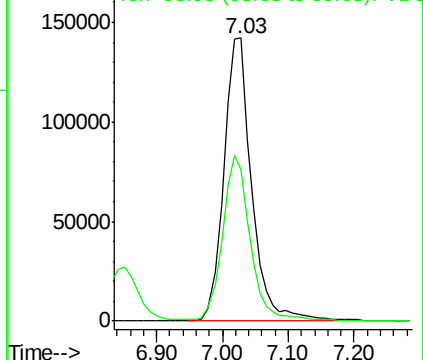
168 100

99 53.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.750 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.03 min

Lab File: VD061865.D

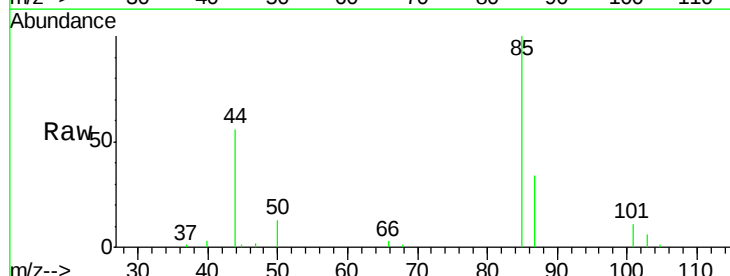
Acq: 17 Apr 2019 21:05

Tgt Ion: 85 Resp: 68494

Ion Ratio Lower Upper

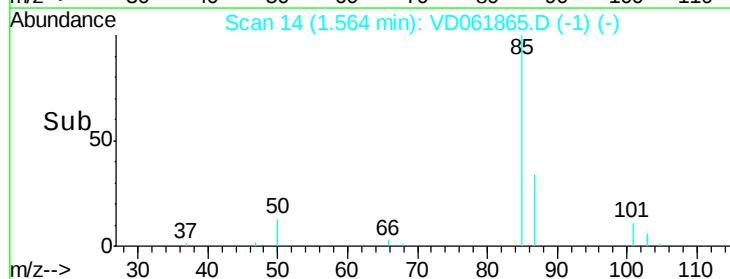
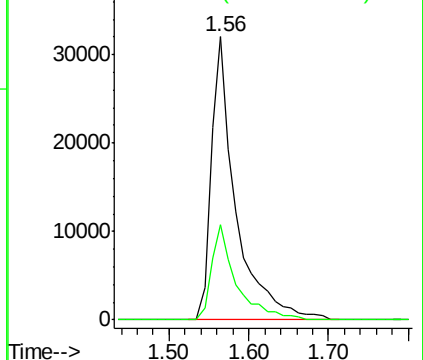
85 100

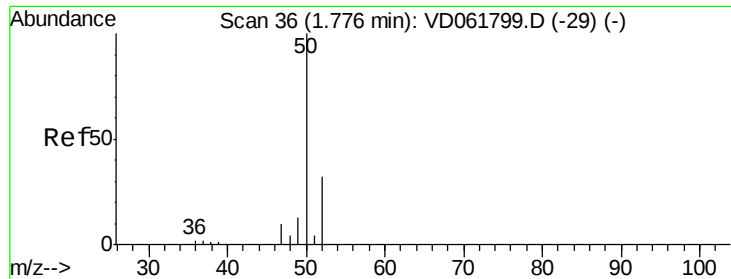
87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

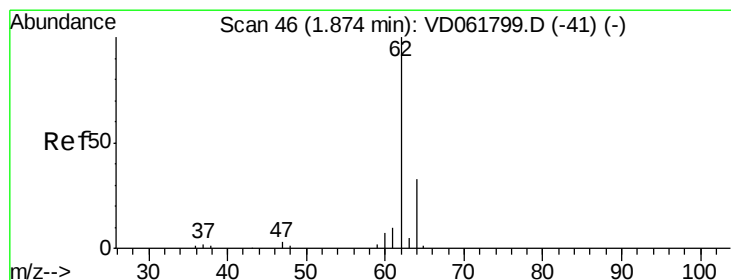
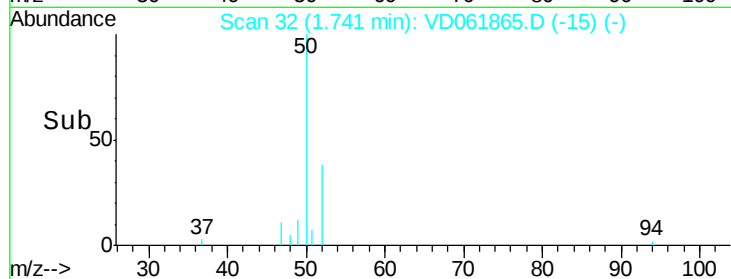
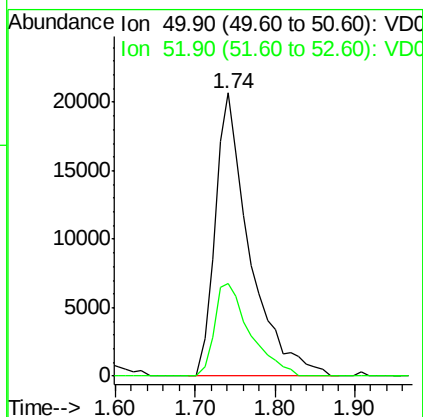
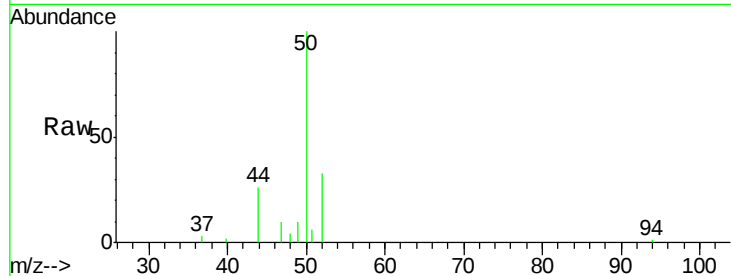




#3
Chloromethane
Concen: 19.140 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.03 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

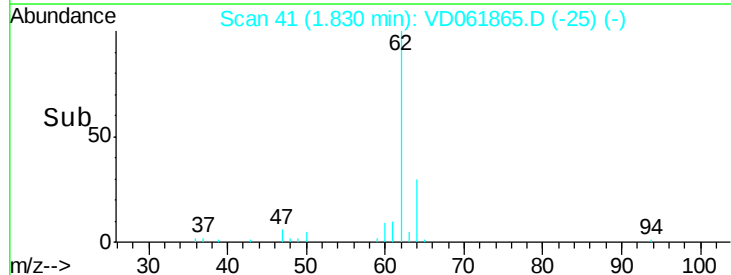
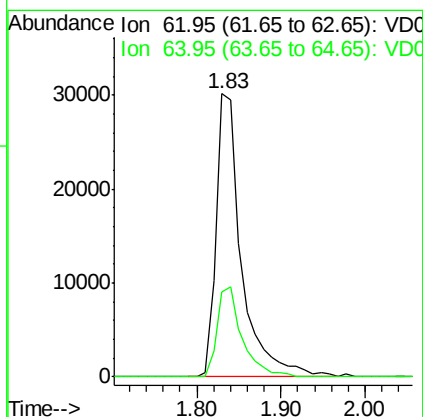
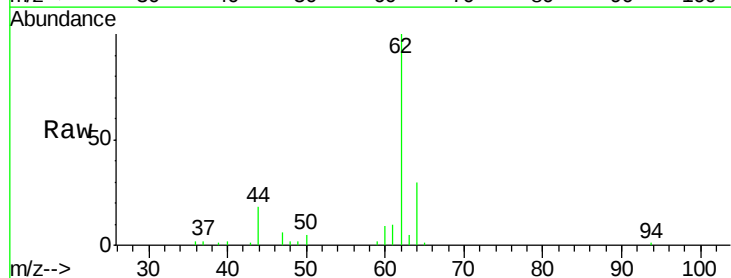
Instrument :
MSVOA_D
ClientSampleId :

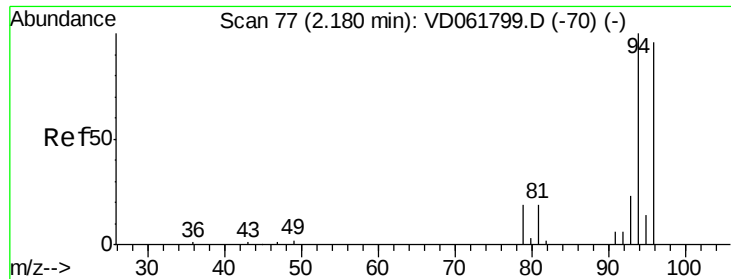
Tot Ion: 50 Resp: 62376
Ion Ratio Lower Upper
50 100
52 32.7 25.2 37.8



#4
Vinyl Chloride
Concen: 19.488 ug/l
RT: 1.83 min Scan# 41
Delta R.T. -0.04 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 62 Resp: 63031
Ion Ratio Lower Upper
62 100
64 30.2 26.5 39.7





#5

Bromomethane

Concen: 20.526 ug/l

RT: 2.14 min Scan# 72

Delta R.T. -0.04 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

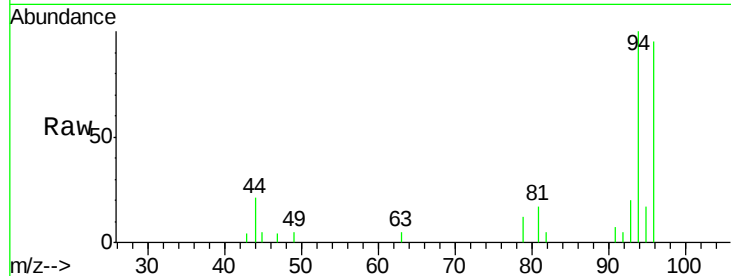
Tot Ion: 94 Resp: 16429

Ion Ratio Lower Upper

94 100

96 94.6 76.6 115.0

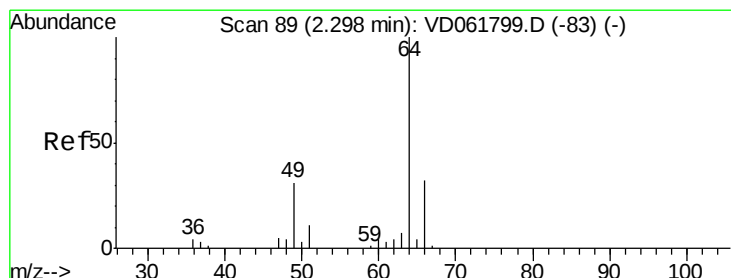
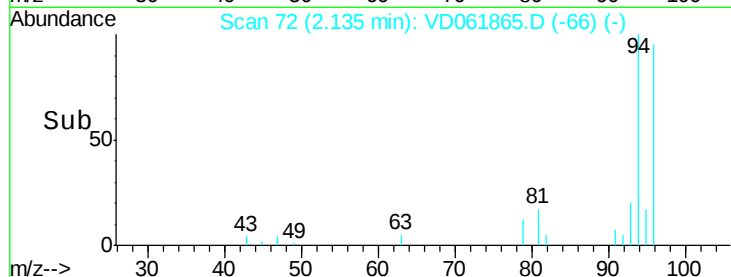
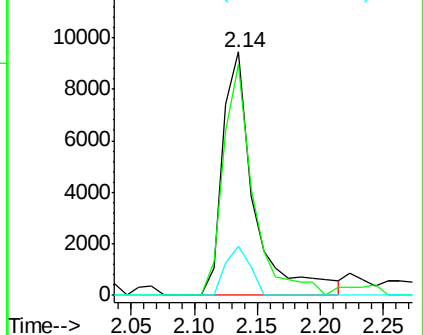
93 20.3 18.5 27.7



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: 19.672 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.05 min

Lab File: VD061865.D

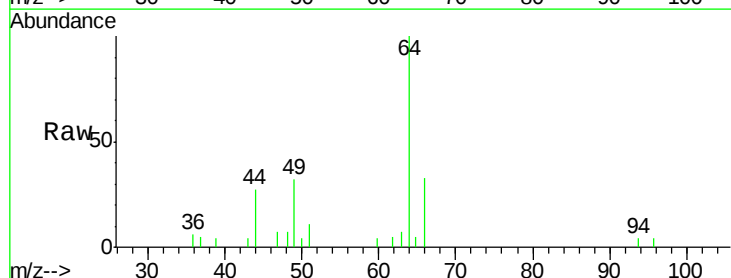
Acq: 17 Apr 2019 21:05

Tgt Ion: 64 Resp: 21706

Ion Ratio Lower Upper

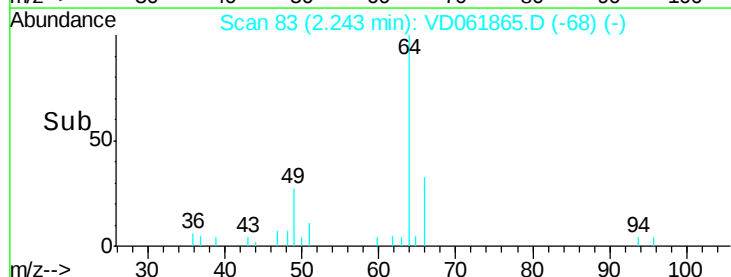
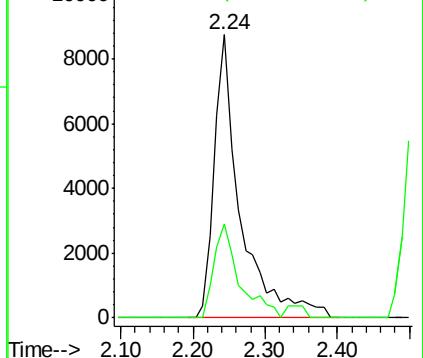
64 100

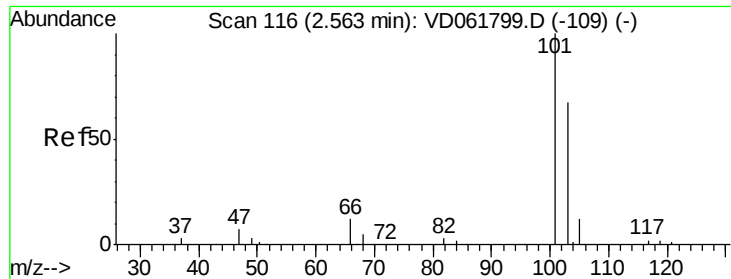
66 33.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



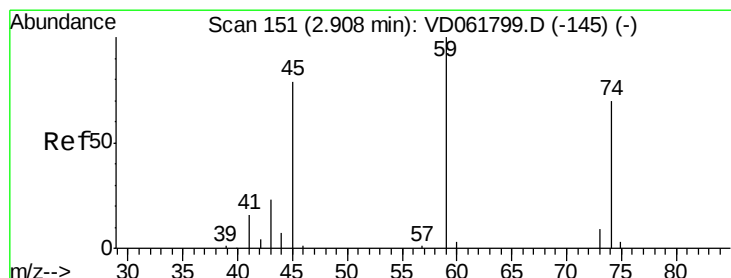
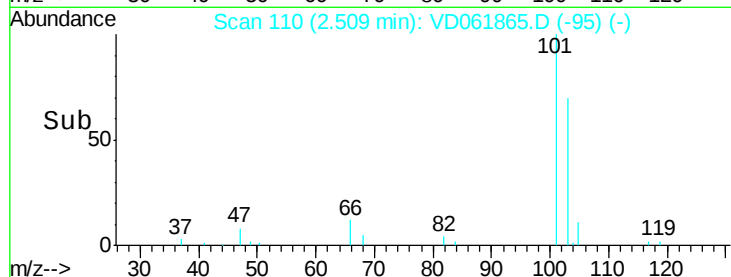
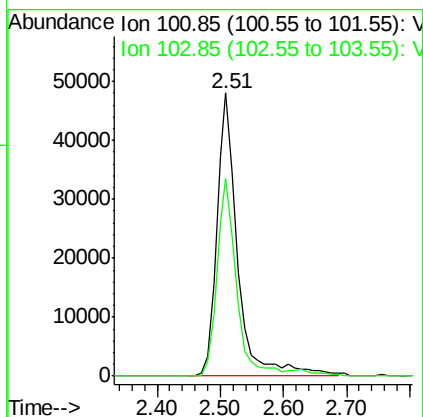
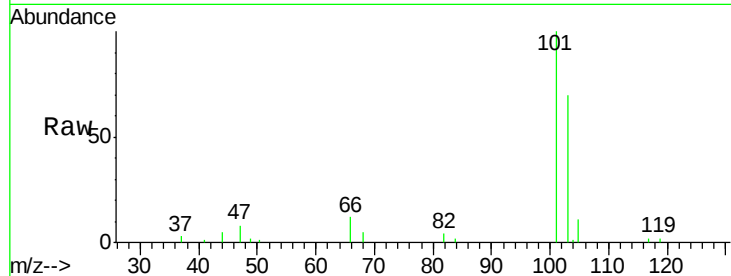


#7

Trichlorofluoromethane
Concen: 21.176 ug/l
RT: 2.51 min Scan# 110
Delta R.T. -0.05 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

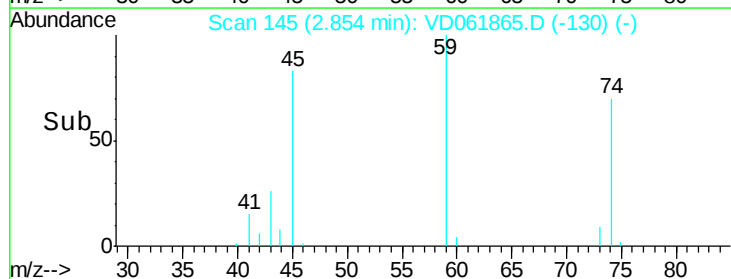
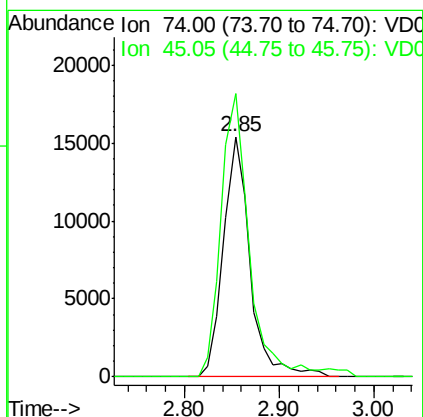
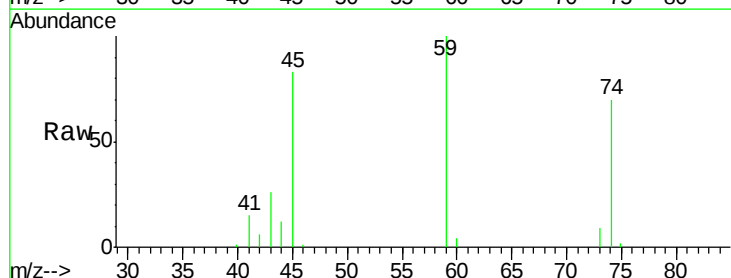
Tot Ion:101 Resp: 111083
Ion Ratio Lower Upper
101 100
103 69.8 53.6 80.4

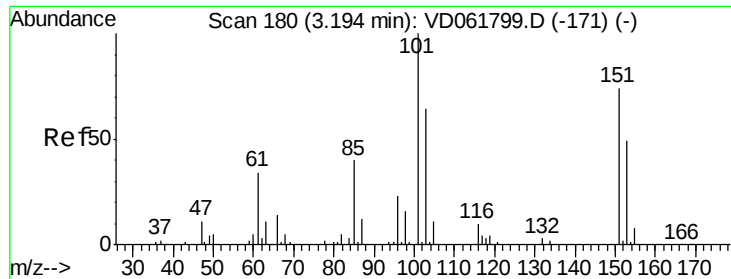


#8

Diethyl Ether
Concen: 21.933 ug/l
RT: 2.85 min Scan# 145
Delta R.T. -0.05 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 74 Resp: 30152
Ion Ratio Lower Upper
74 100
45 117.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.916 ug/l

RT: 3.13 min Scan# 173

Delta R.T. -0.06 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

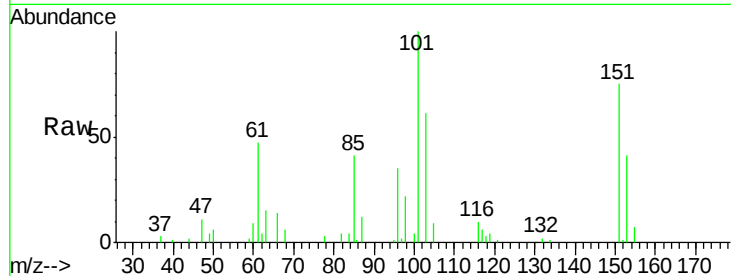
Tot Ion:101 Resp: 97828

Ion Ratio Lower Upper

101 100

85 40.7 32.4 48.6

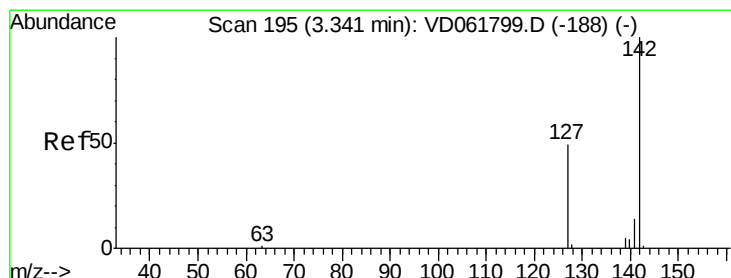
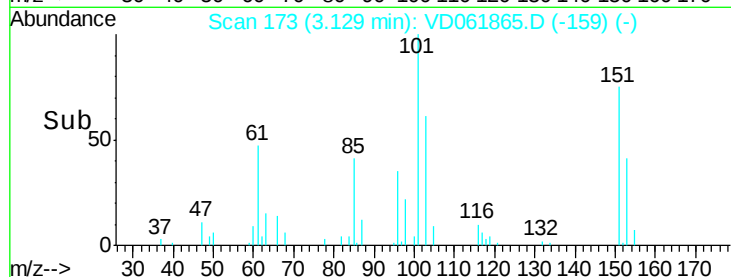
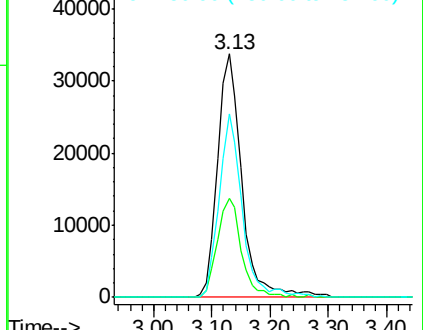
151 75.4 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.889 ug/l

RT: 3.29 min Scan# 189

Delta R.T. -0.05 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

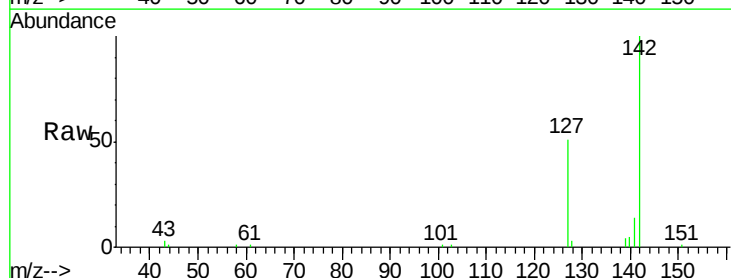
Tgt Ion:142 Resp: 107415

Ion Ratio Lower Upper

142 100

127 51.3 38.8 58.2

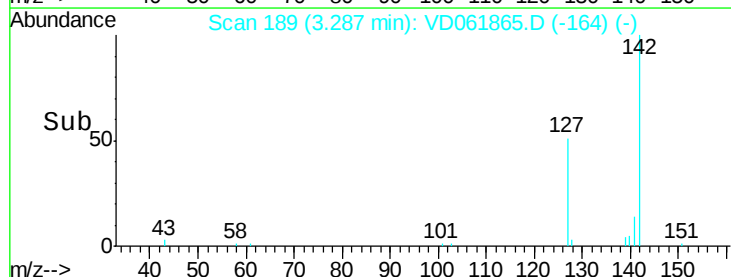
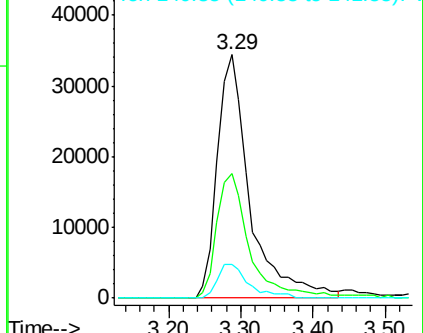
141 14.0 11.4 17.0

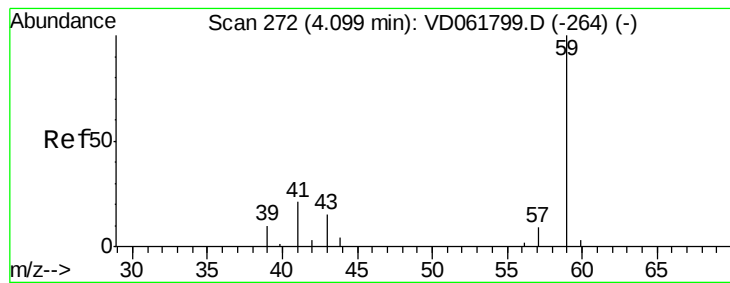


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



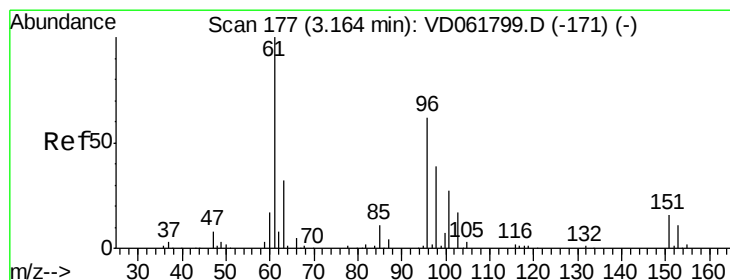
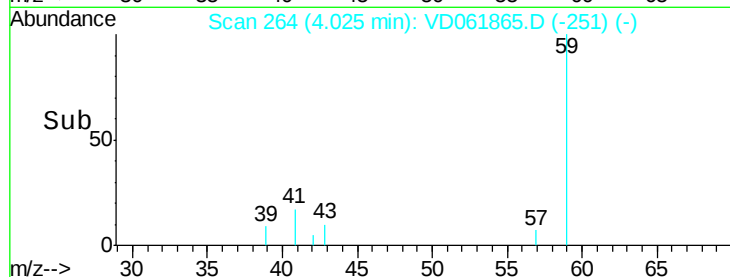
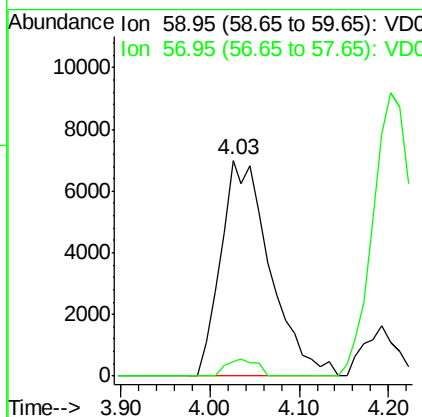
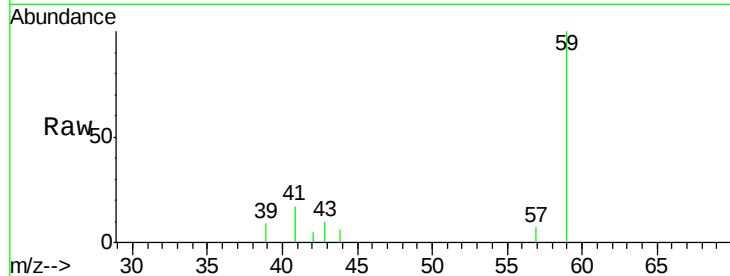


#11

Tert butyl alcohol
 Concen: 129.573 ug/l
 RT: 4.03 min Scan# 264
 Delta R.T. -0.07 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampled :

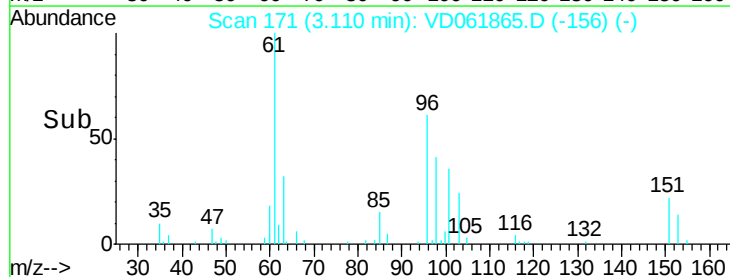
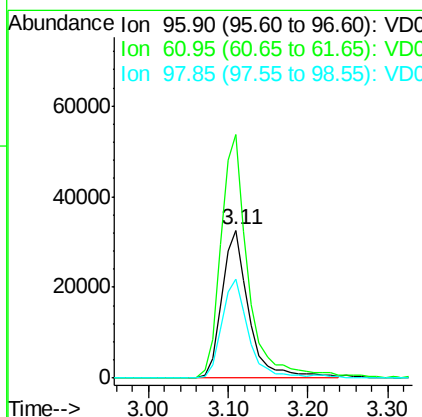
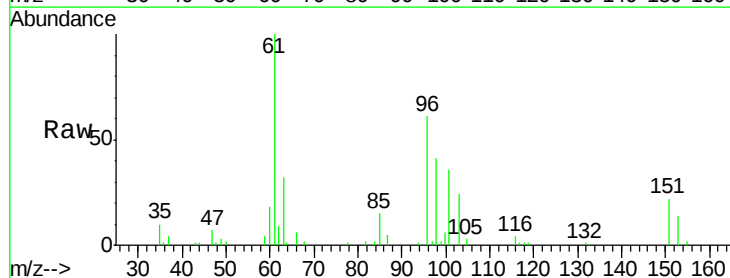
Tot Ion: 59 Resp: 26831
 Ion Ratio Lower Upper
 59 100
 57 6.8 6.9 10.3#

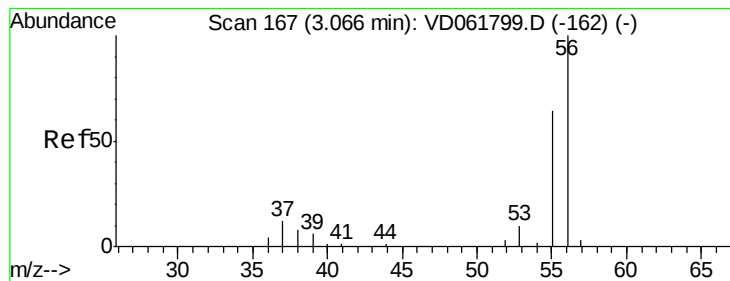


#12

1,1-Dichloroethene
 Concen: 19.718 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.05 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion: 96 Resp: 77532
 Ion Ratio Lower Upper
 96 100
 61 164.7 129.8 194.8
 98 67.3 51.2 76.8





#13

Acrolein

Concen: 109.177 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.05 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

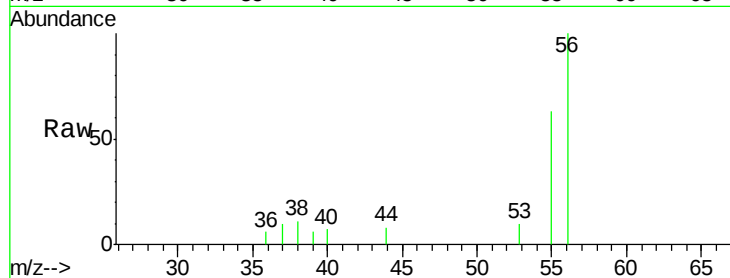
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 21886

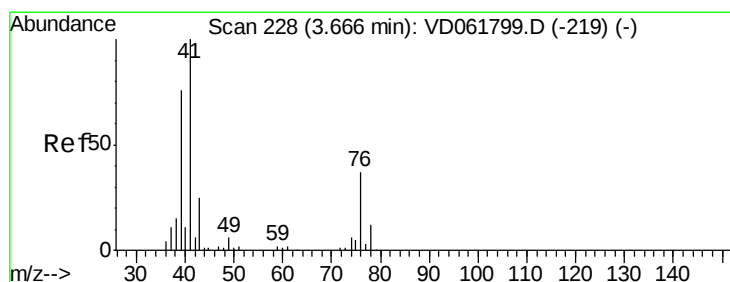
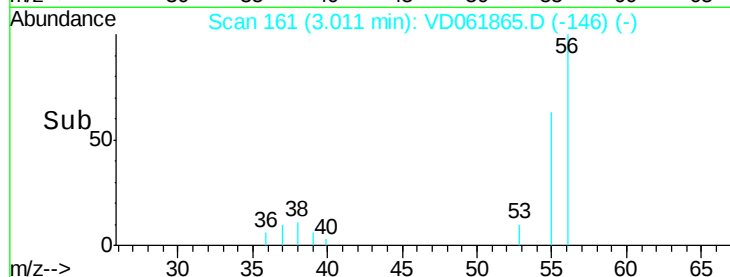
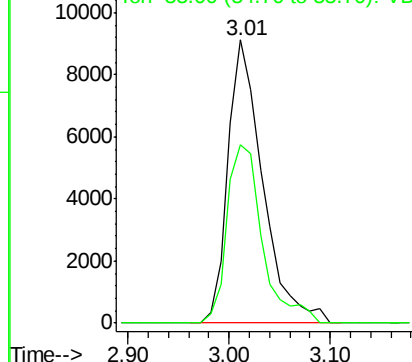
Ion Ratio Lower Upper

56 100

55 63.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.847 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.06 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

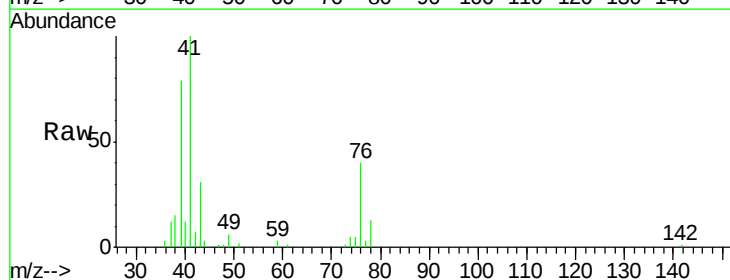
Tgt Ion: 41 Resp: 117094

Ion Ratio Lower Upper

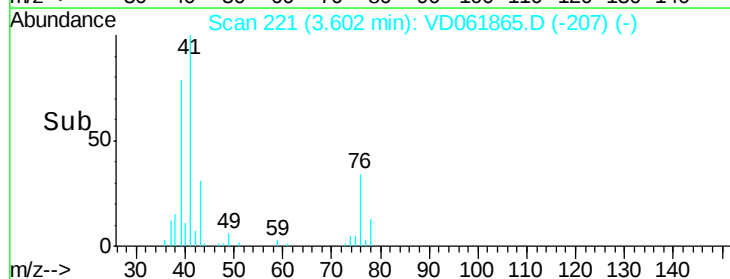
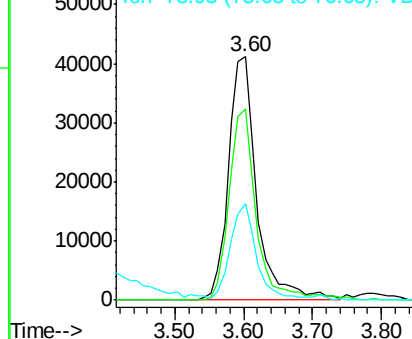
41 100

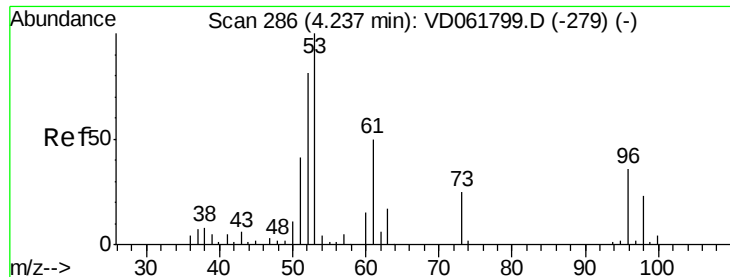
39 78.6 60.5 90.7

76 39.6 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 117.854 ug/l

RT: 4.16 min Scan# 278

Delta R.T. -0.07 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

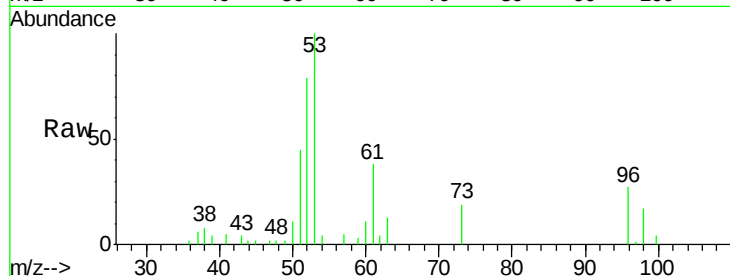
Tot Ion: 53 Resp: 76615

Ion Ratio Lower Upper

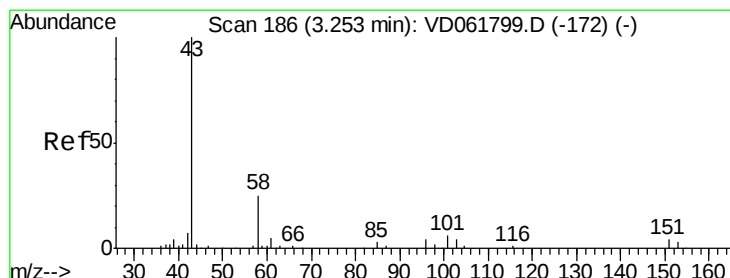
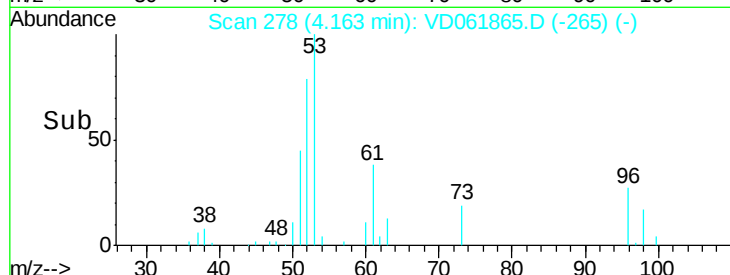
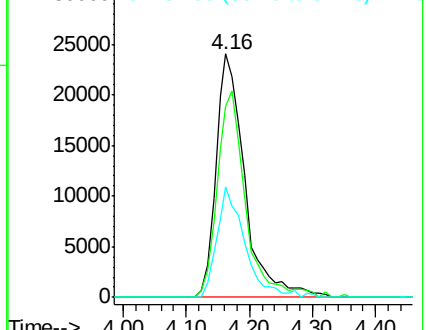
53 100

52 78.7 65.0 97.4

51 45.3 32.6 48.8



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



#16

Acetone

Concen: 104.802 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.05 min

Lab File: VD061865.D

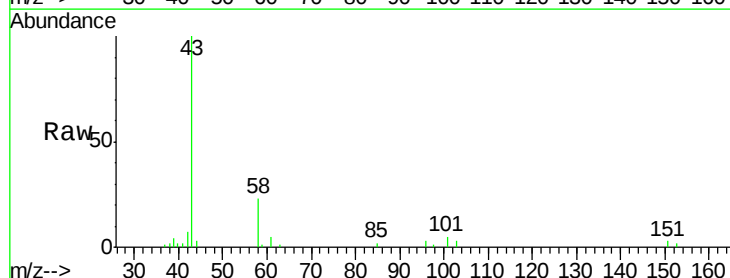
Acq: 17 Apr 2019 21:05

Tgt Ion: 43 Resp: 90697

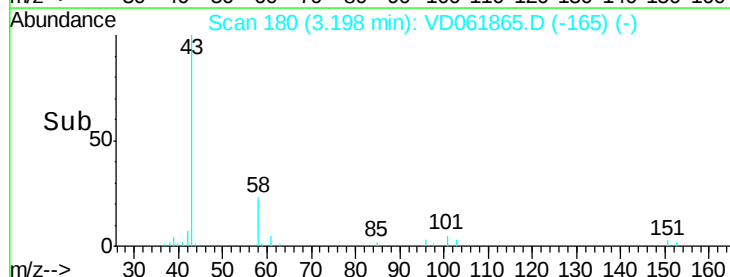
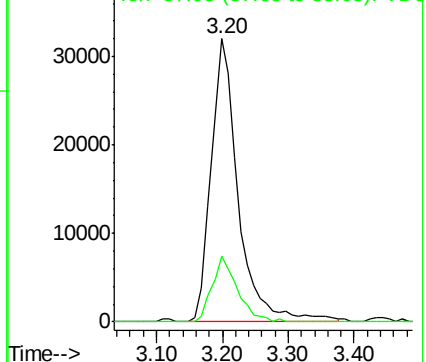
Ion Ratio Lower Upper

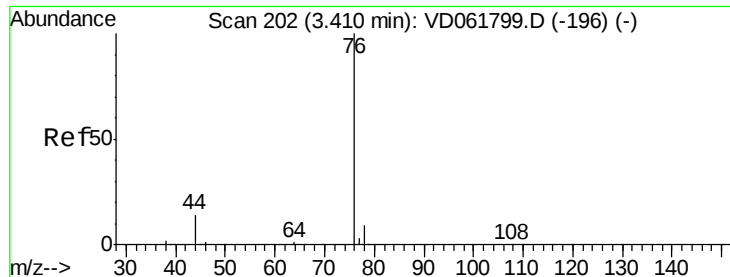
43 100

58 23.1 19.9 29.9



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

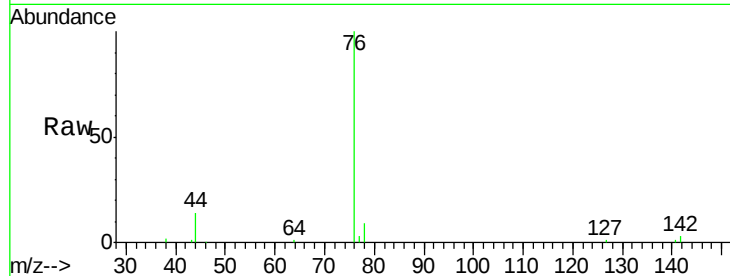




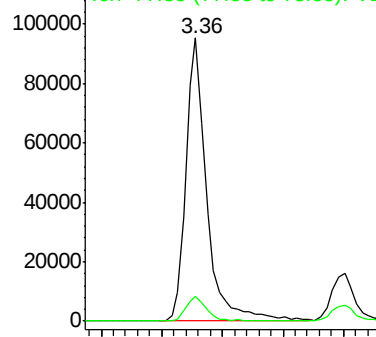
#17
Carbon Disulfide
Concen: 17.917 ug/l
RT: 3.36 min Scan# 196
Delta R.T. -0.05 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

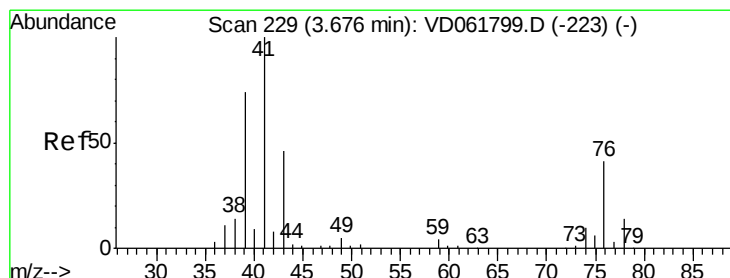
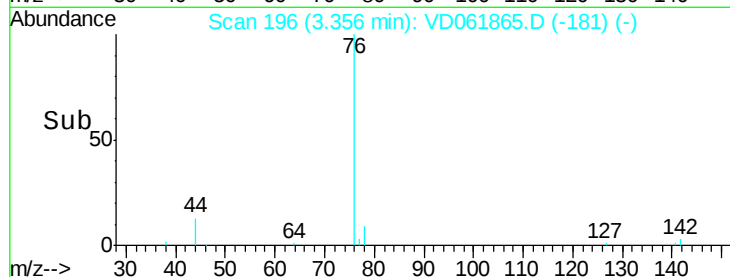
Tot Ion: 76 Resp: 227629
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

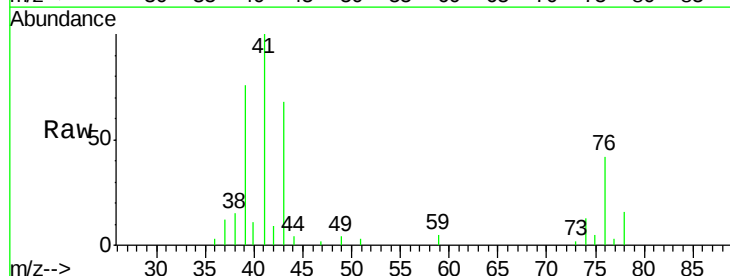


Time--> 3.20 3.30 3.40 3.50 3.60

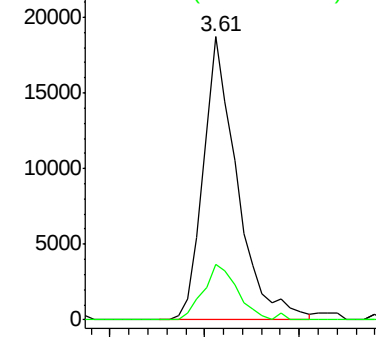


#18
Methyl Acetate
Concen: 26.843 ug/l
RT: 3.61 min Scan# 222
Delta R.T. -0.06 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

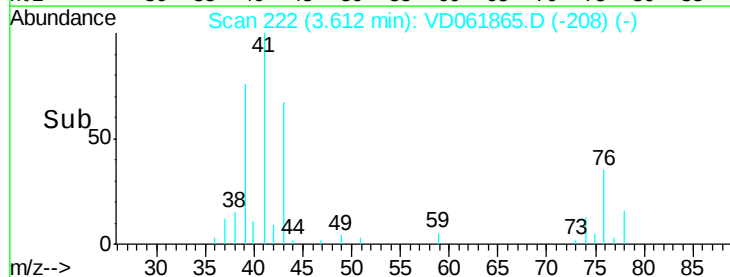
Tgt Ion: 43 Resp: 46561
Ion Ratio Lower Upper
43 100
74 19.7 18.0 27.0

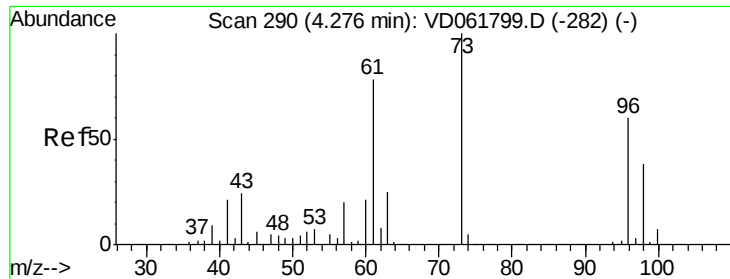


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 3.50 3.60 3.70

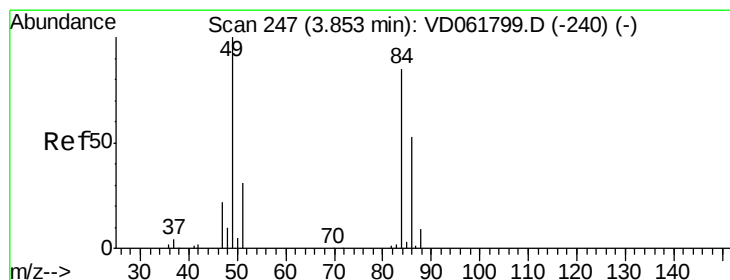
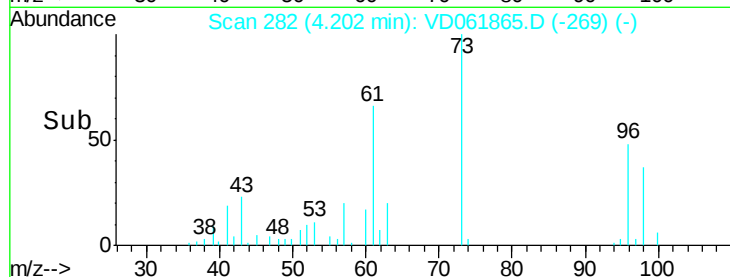
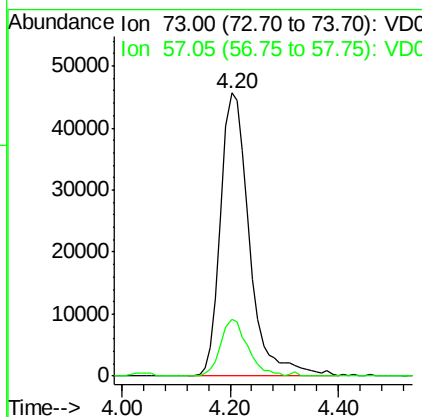
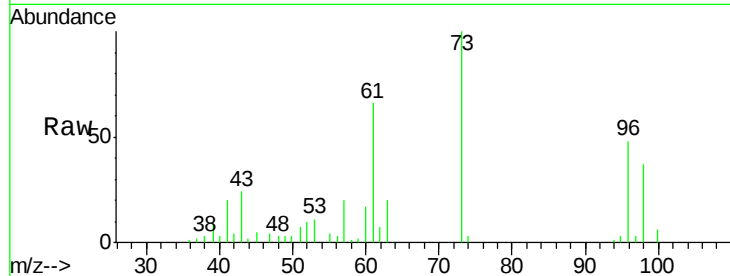




#19
Methyl tert-butyl Ether
Concen: 23.144 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.07 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

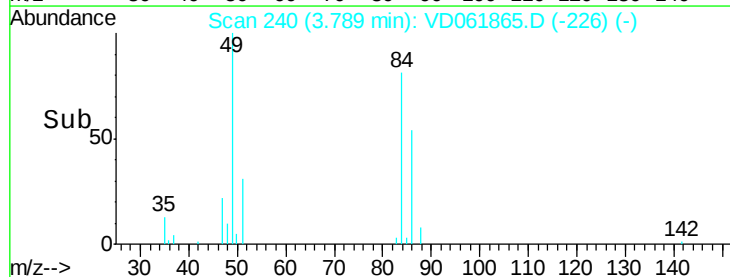
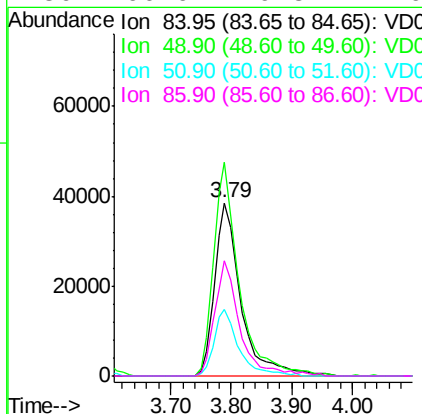
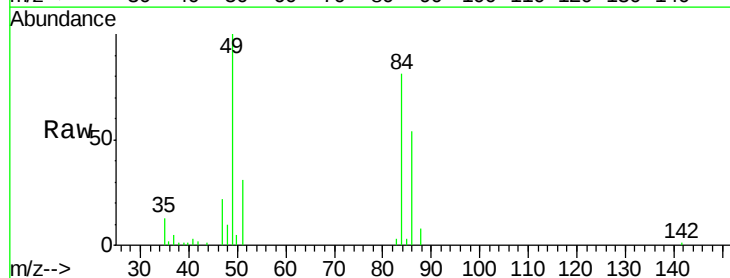
Instrument :
MSVOA_D
ClientSampleId :

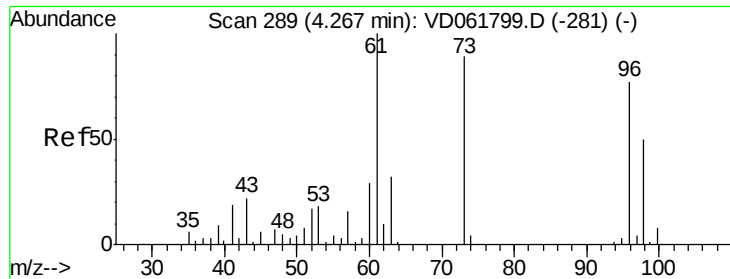
Tot Ion: 73 Resp: 169830
Ion Ratio Lower Upper
73 100
57 20.1 16.3 24.5



#20
Methylene Chloride
Concen: 24.573 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.06 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 84 Resp: 115739
Ion Ratio Lower Upper
84 100
49 123.3 94.0 141.0
51 38.4 29.0 43.4
86 66.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.295 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.07 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

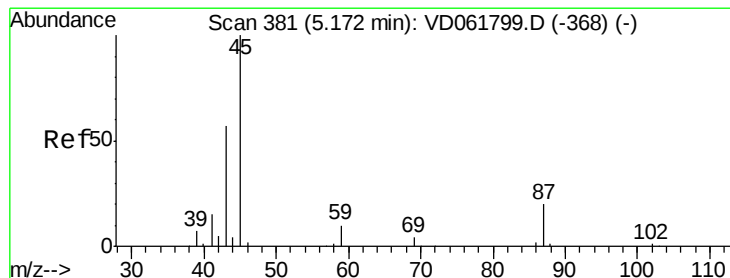
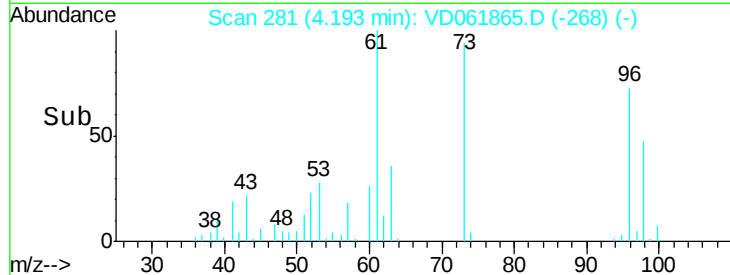
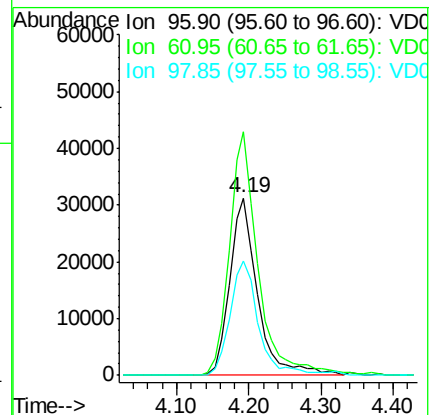
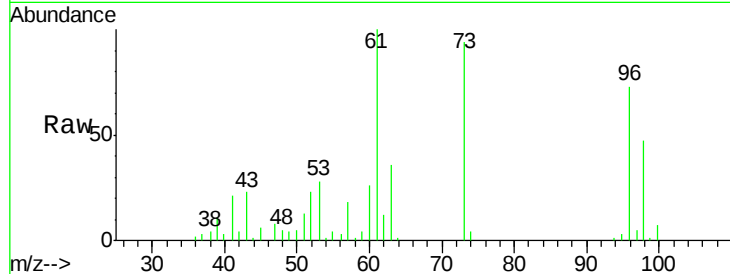
Tot Ion: 96 Resp: 83380

Ion Ratio Lower Upper

96 100

61 137.3 104.4 156.6

98 64.7 51.8 77.8



#22

Diisopropyl ether

Concen: 22.013 ug/l

RT: 5.09 min Scan# 372

Delta R.T. -0.08 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Tgt Ion: 45 Resp: 252193

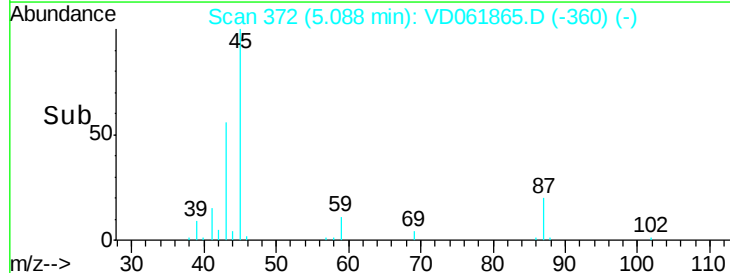
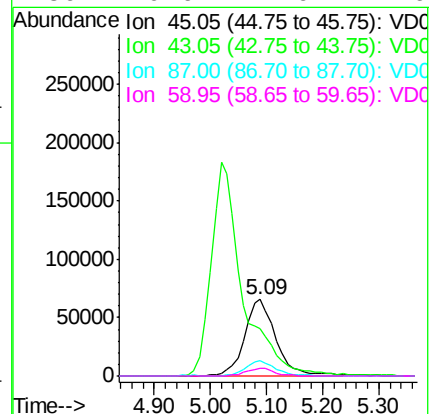
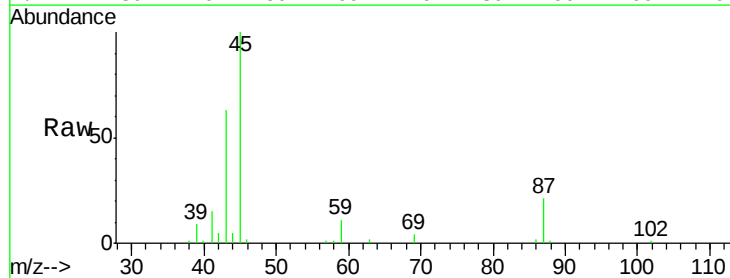
Ion Ratio Lower Upper

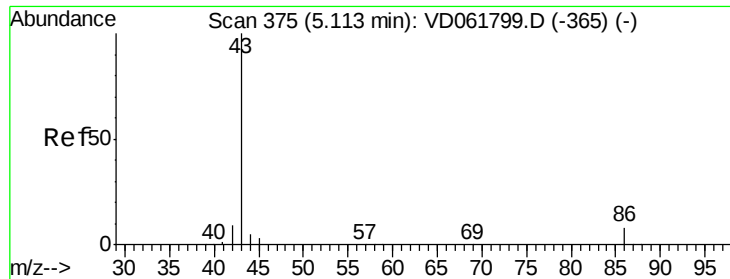
45 100

43 62.7 46.2 69.2

87 20.8 15.9 23.9

59 10.6 7.9 11.9





#23

Vinyl Acetate

Concen: 117.027 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.09 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

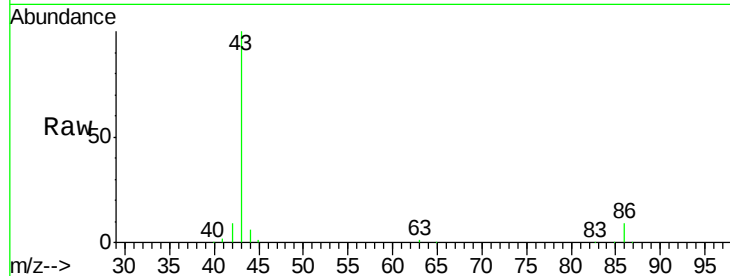
ClientSampled :

Tot Ion: 43 Resp: 716723

Ion Ratio Lower Upper

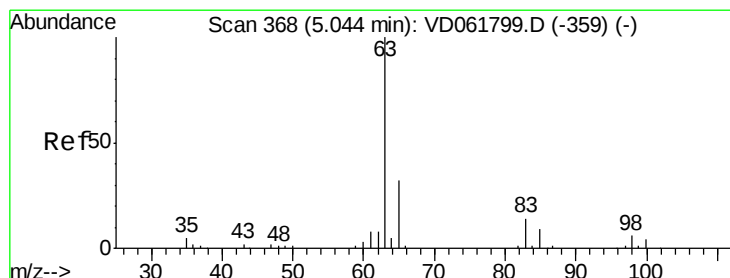
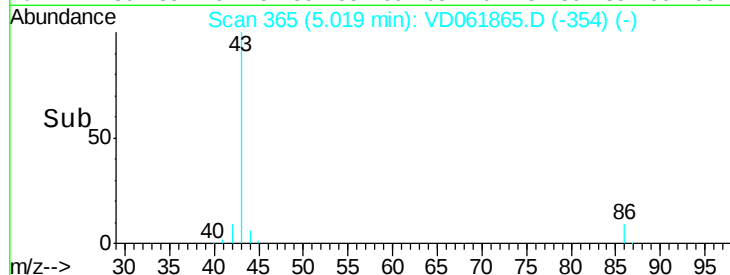
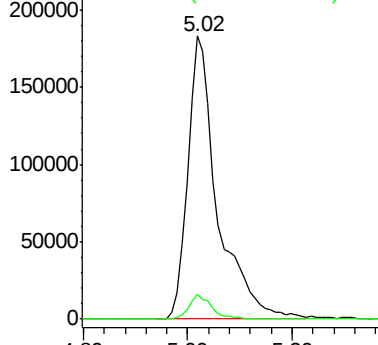
43 100

86 8.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.634 ug/l

RT: 4.95 min Scan# 358

Delta R.T. -0.09 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

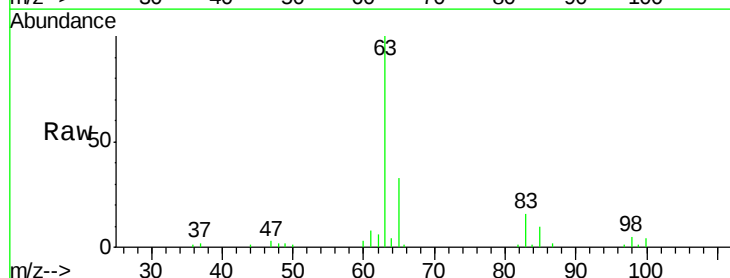
Tgt Ion: 63 Resp: 150274

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

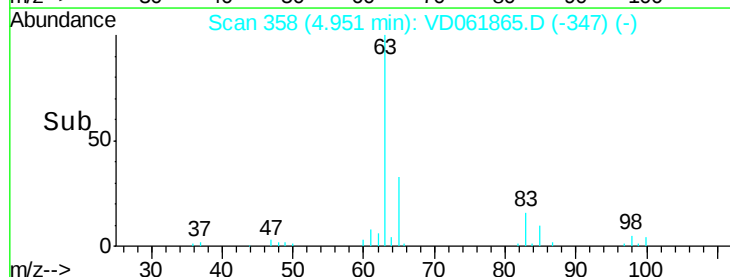
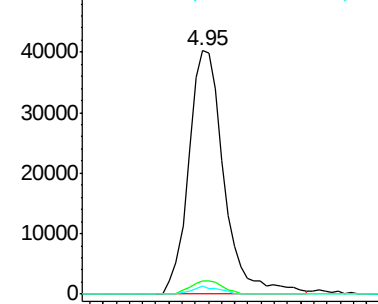
100 3.6 1.8 5.5

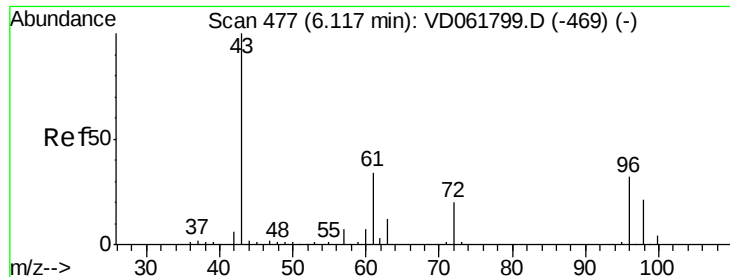


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 114.756 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.07 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

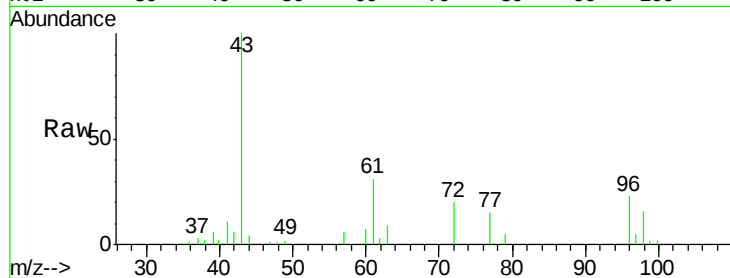
ClientSampleId :

Tot Ion: 43 Resp: 113063

Ion Ratio Lower Upper

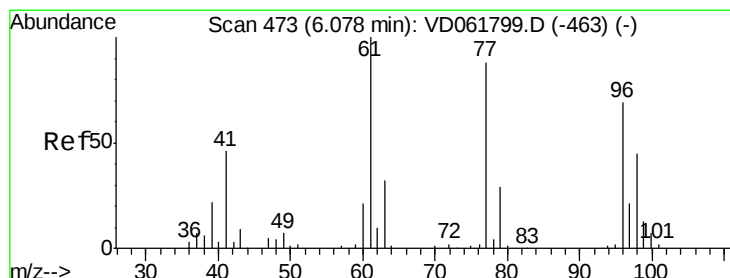
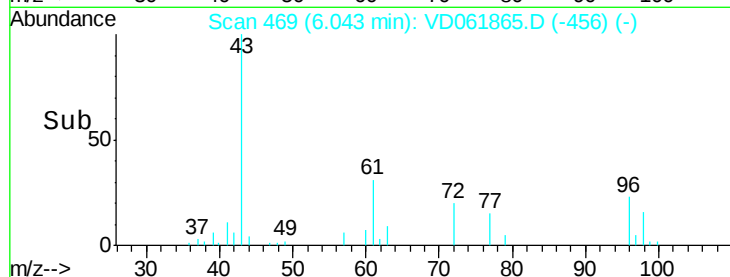
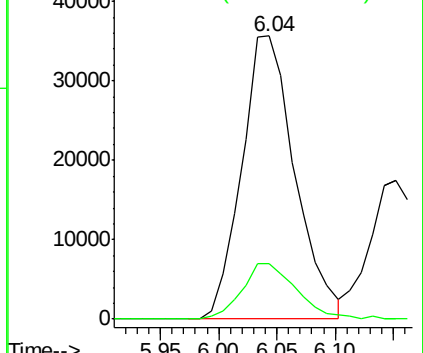
43 100

72 19.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.701 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.07 min

Lab File: VD061865.D

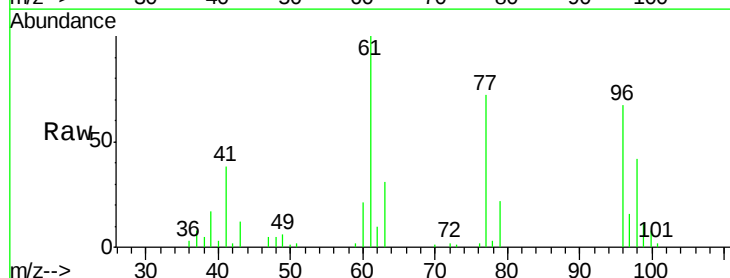
Acq: 17 Apr 2019 21:05

Tgt Ion: 77 Resp: 118282

Ion Ratio Lower Upper

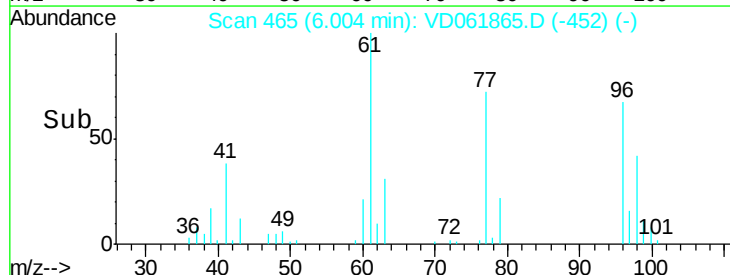
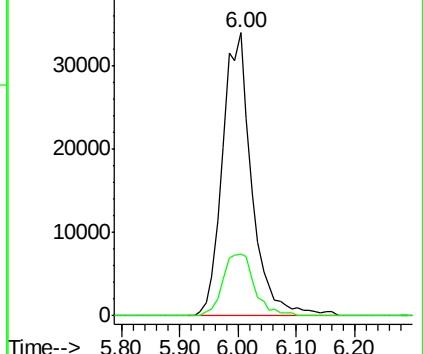
77 100

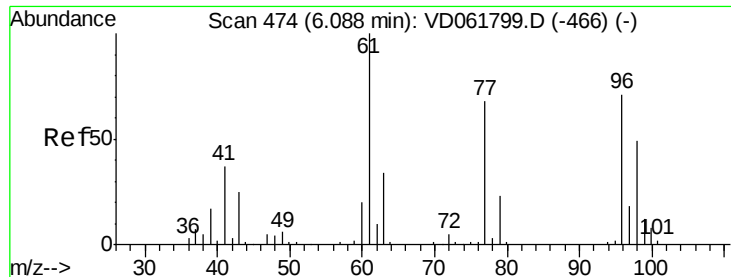
97 22.0 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



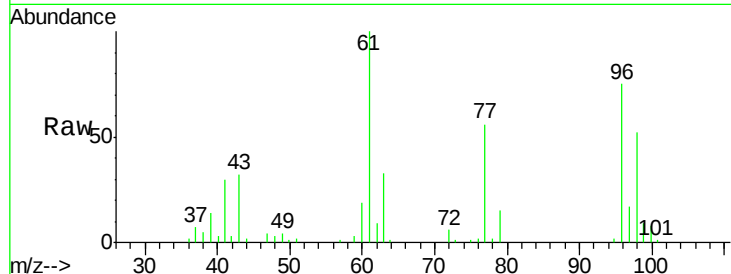


#27

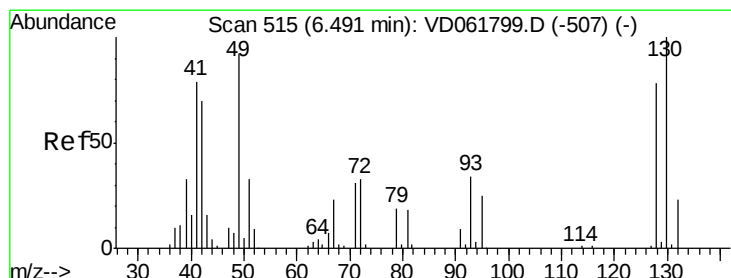
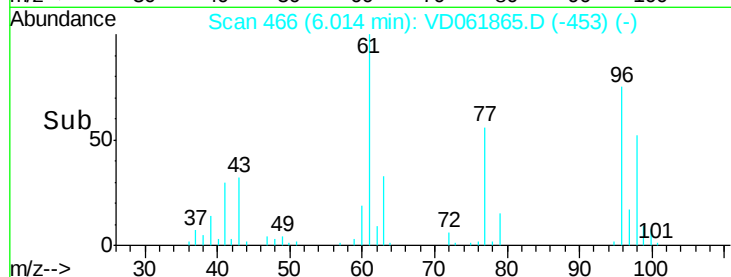
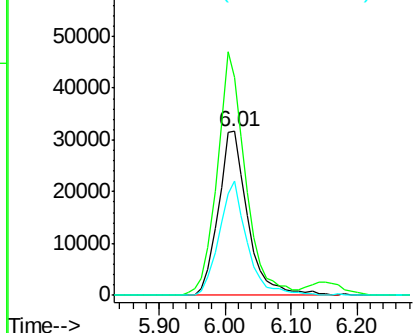
cis-1,2-Dichloroethene
 Concen: 20.989 ug/l
 RT: 6.01 min Scan# 466
 Delta R.T. -0.07 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 96 Resp: 98321
 Ion Ratio Lower Upper
 96 100
 61 133.2 0.0 279.8
 98 69.8 0.0 136.0



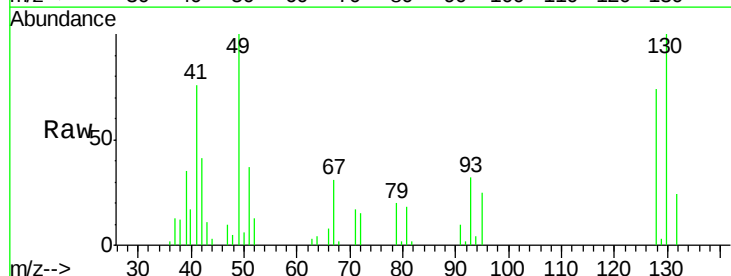
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



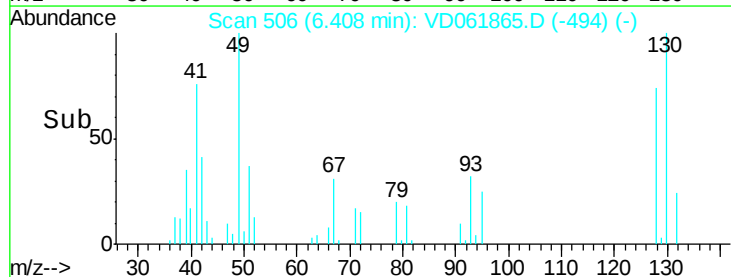
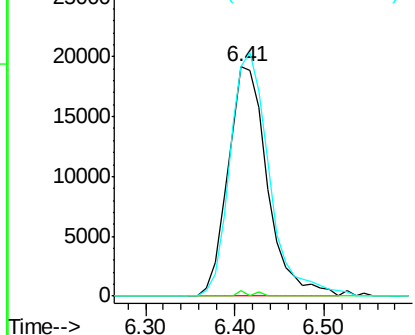
#28

Bromochloromethane
 Concen: 22.412 ug/l
 RT: 6.41 min Scan# 506
 Delta R.T. -0.08 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion: 49 Resp: 59133
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 6.6
 130 100.1 86.7 130.1



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

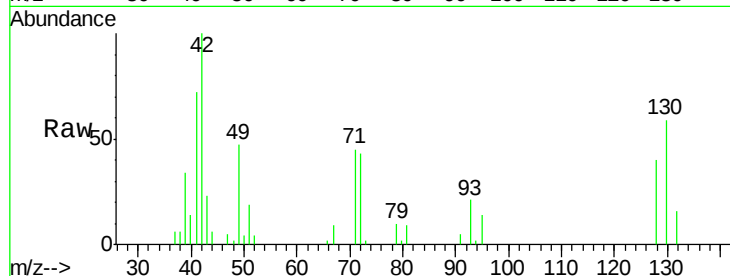




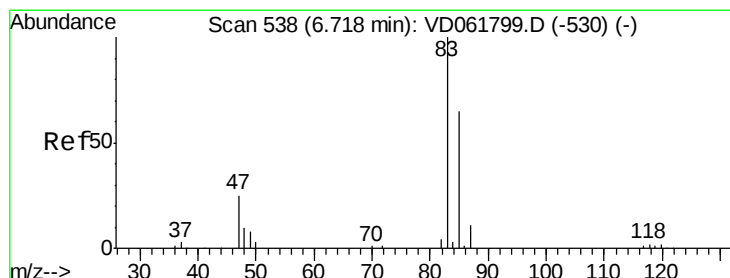
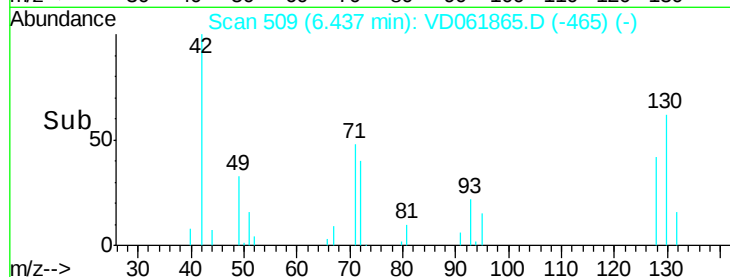
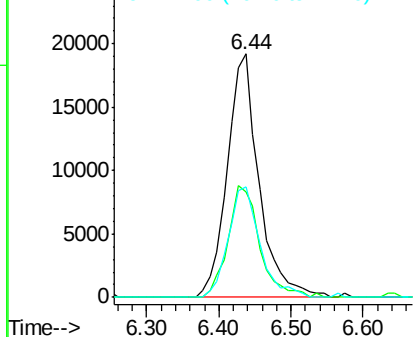
#29
Tetrahydrofuran
Concen: 122.533 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.06 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 58807
Ion Ratio Lower Upper
42 100
72 45.5 37.8 56.6
71 45.0 36.7 55.1

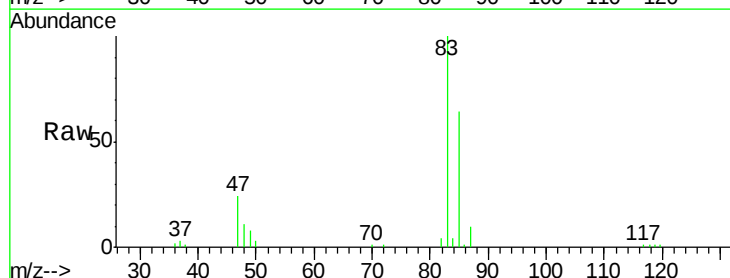


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

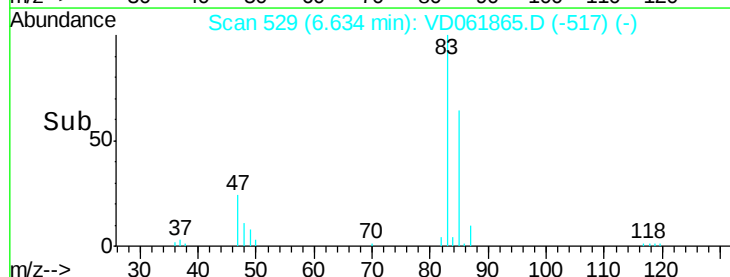
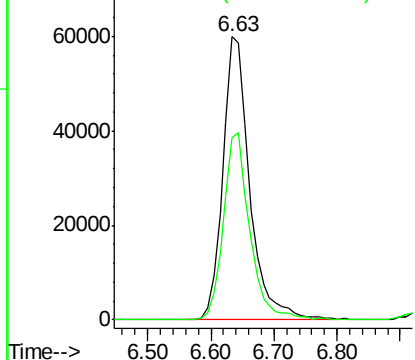


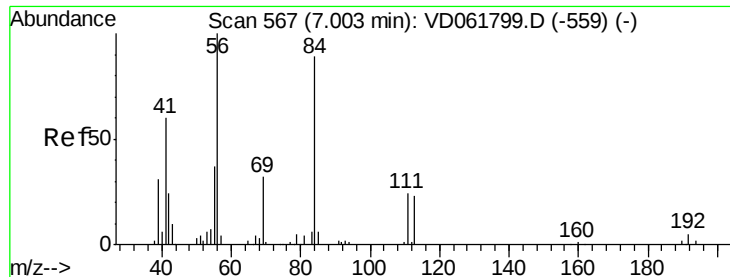
#30
Chloroform
Concen: 22.789 ug/l
RT: 6.63 min Scan# 529
Delta R.T. -0.08 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 83 Resp: 176561
Ion Ratio Lower Upper
83 100
85 64.3 51.7 77.5



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

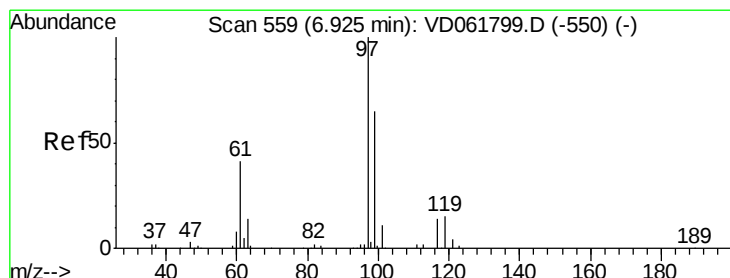
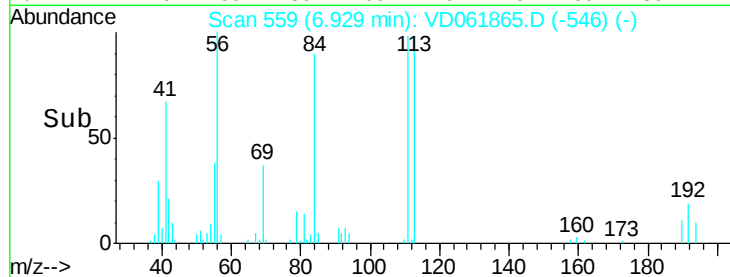
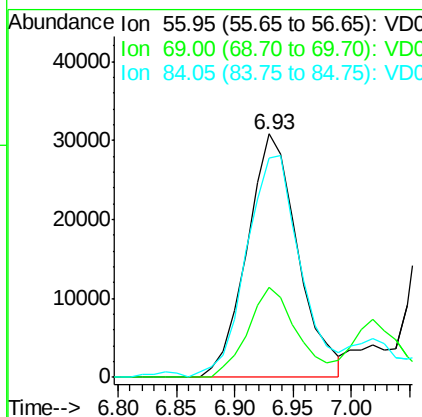
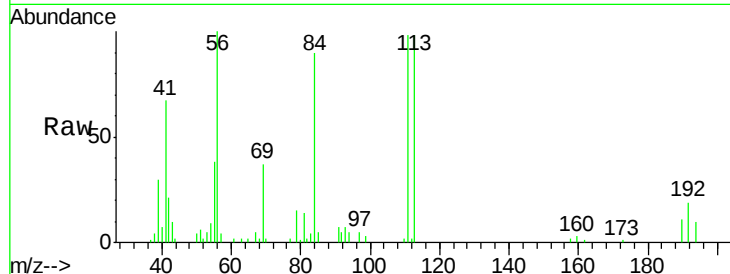




#31
Cyclohexane
Concen: 17.505 ug/l
RT: 6.93 min Scan# 559
Delta R.T. -0.07 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

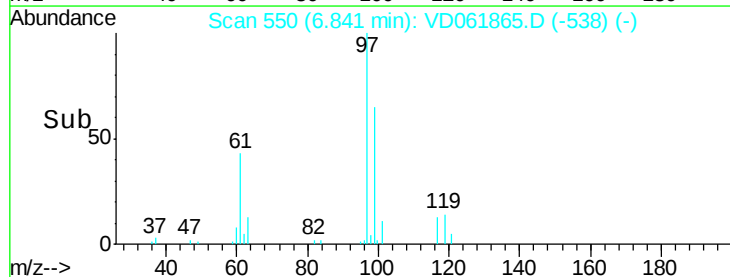
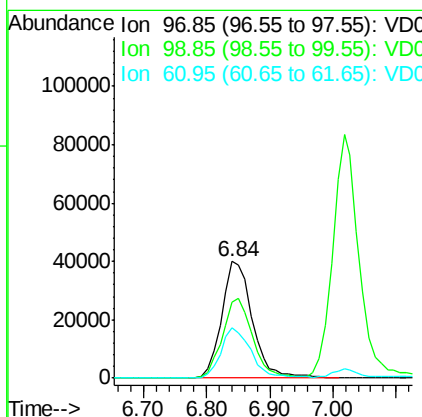
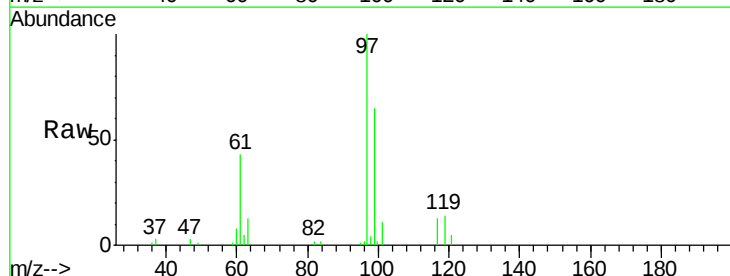
Instrument :
MSVOA_D
ClientSampleId :

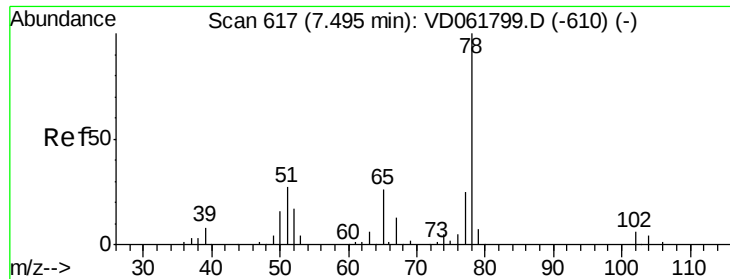
Tot Ion: 56 Resp: 93084
Ion Ratio Lower Upper
56 100
69 37.1 25.8 38.6
84 90.3 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 19.569 ug/l
RT: 6.84 min Scan# 550
Delta R.T. -0.08 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 97 Resp: 134397
Ion Ratio Lower Upper
97 100
99 65.1 52.2 78.2
61 43.0 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 19.569 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.06 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

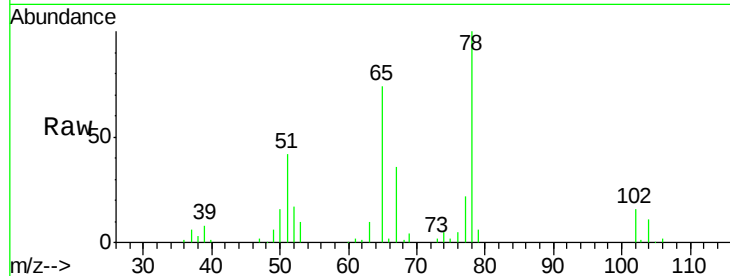
ClientSampleId :

Tot Ion: 65 Resp: 223885

Ion Ratio Lower Upper

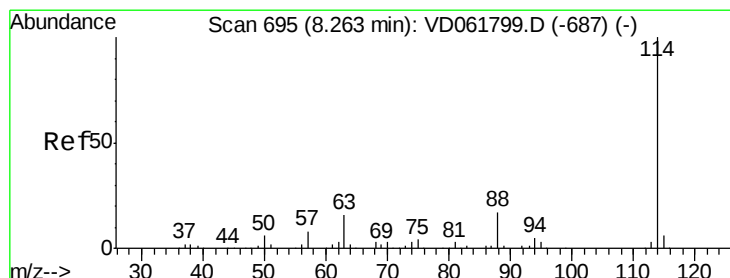
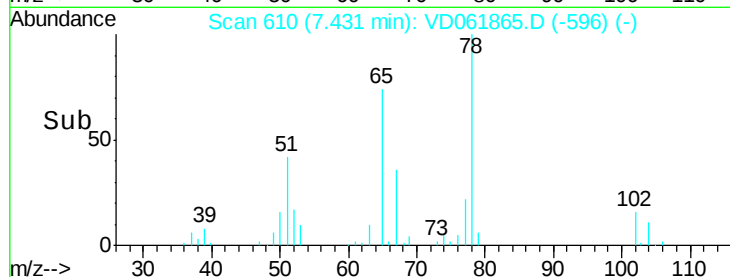
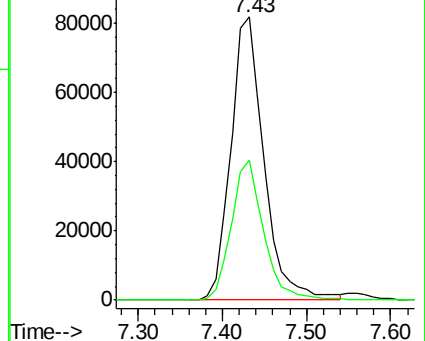
65 100

67 49.4 0.0 98.0



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: 8.19 min Scan# 687

Delta R.T. -0.07 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

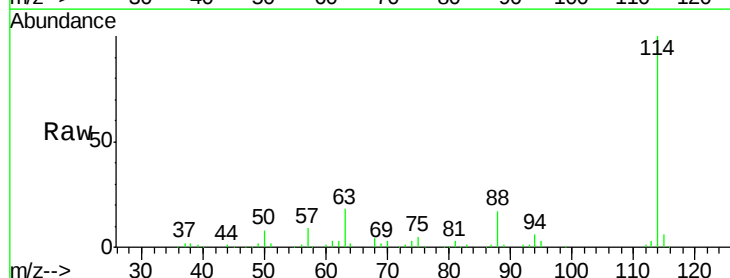
Tgt Ion: 114 Resp: 633830

Ion Ratio Lower Upper

114 100

63 18.0 0.0 32.4

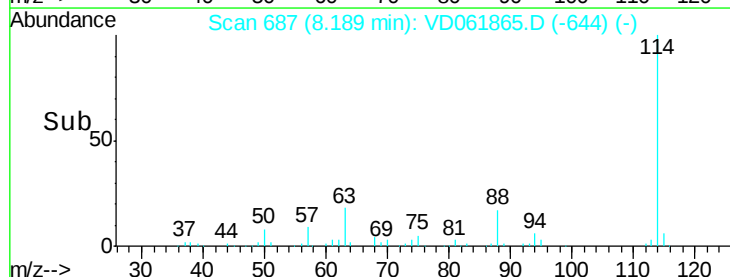
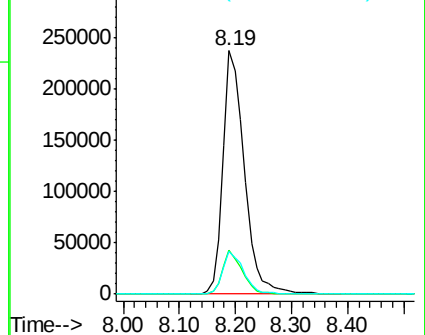
88 17.4 0.0 33.6

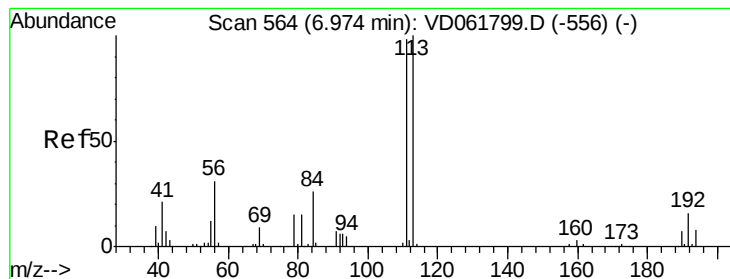


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.90 min Scan# 556

Delta R.T. -0.07 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

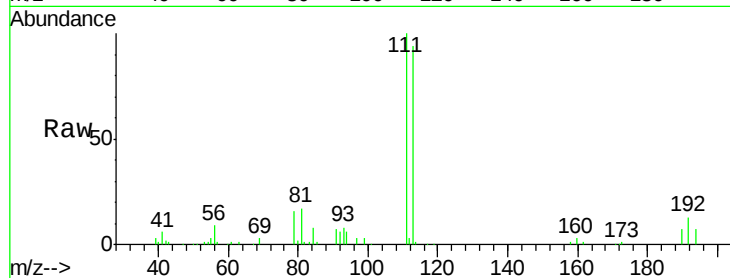
Tot Ion:113 Resp: 277135

Ion Ratio Lower Upper

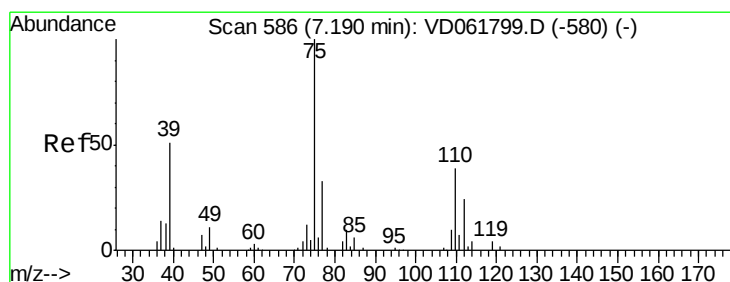
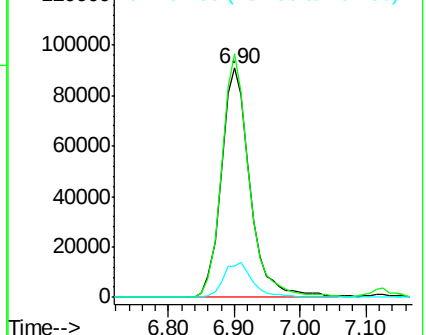
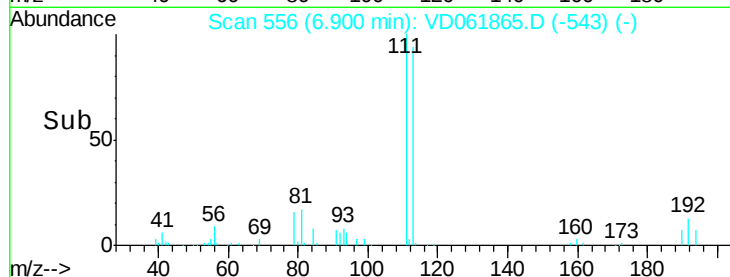
113 100

111 106.1 78.5 117.7

192 13.7 13.0 19.4



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: 22.794 ug/l

RT: 7.12 min Scan# 578

Delta R.T. -0.07 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

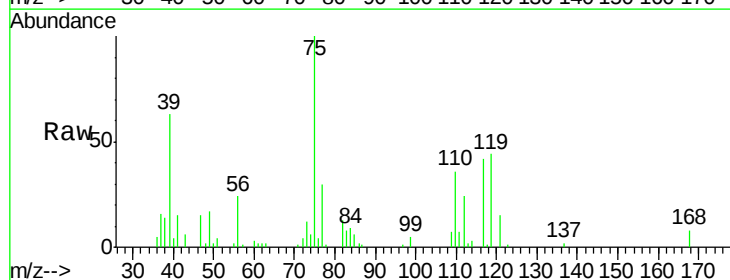
Tgt Ion: 75 Resp: 118061

Ion Ratio Lower Upper

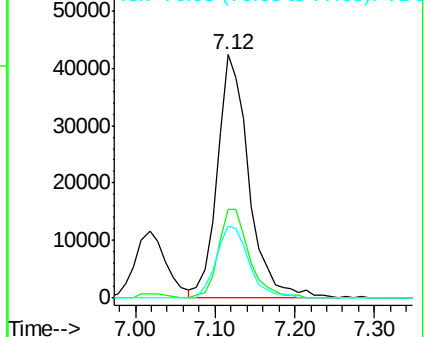
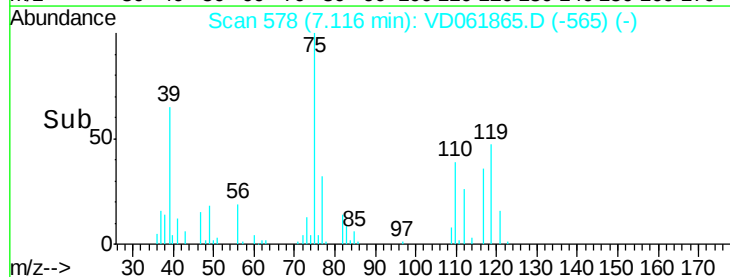
75 100

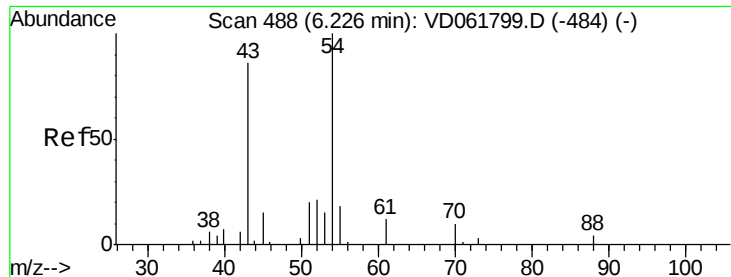
110 36.4 19.1 57.1

77 29.8 25.6 38.4



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

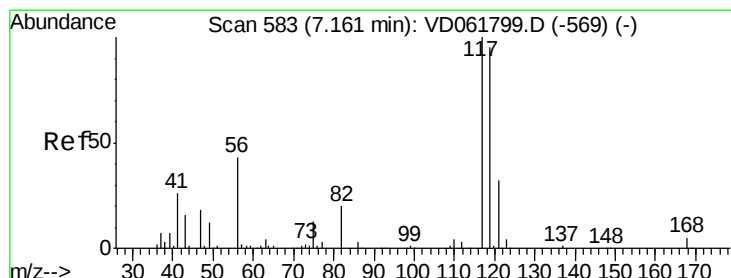
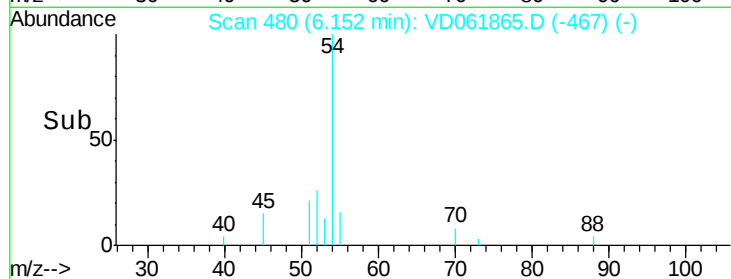
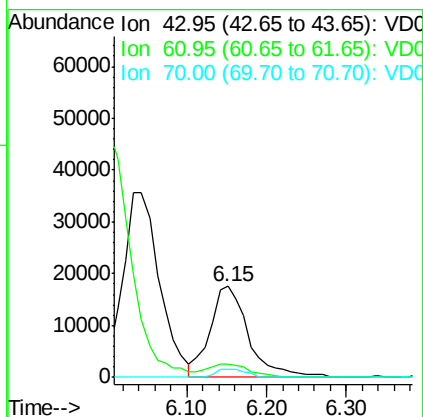
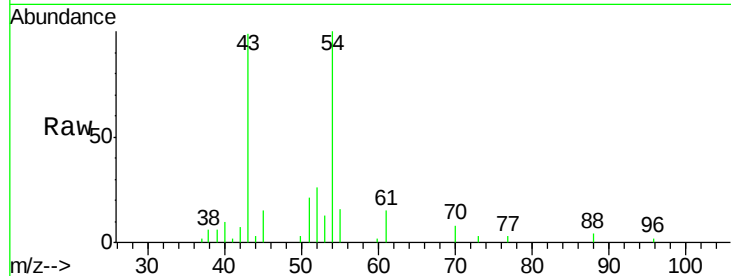




#37
Ethyl Acetate
Concen: 26.763 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.07 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

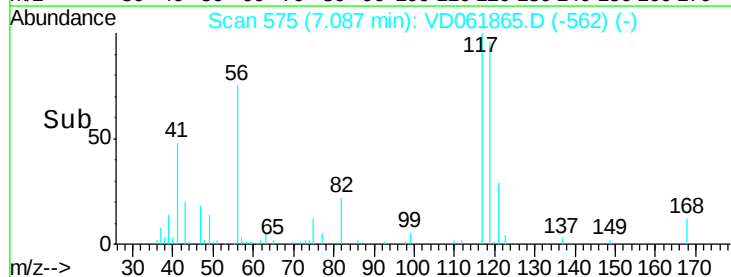
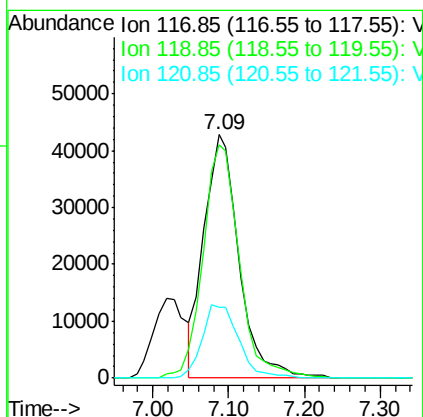
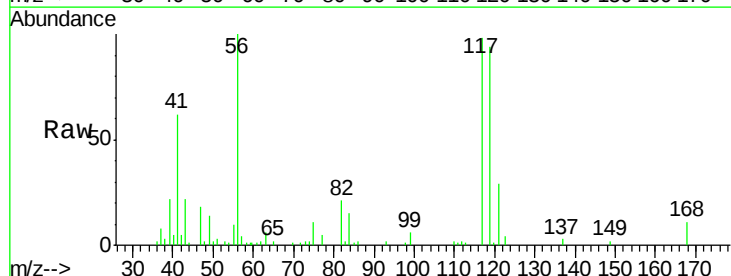
Instrument :
MSVOA_D
ClientSampled :

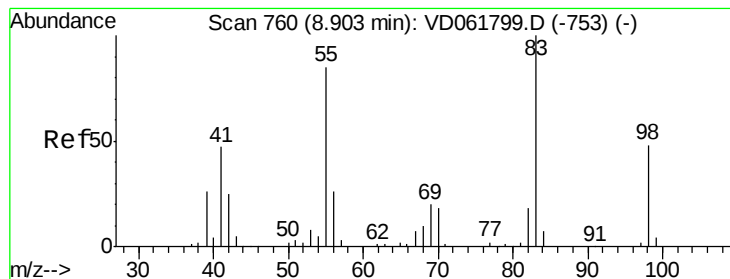
Tot Ion: 43 Resp: 59327
Ion Ratio Lower Upper
43 100
61 15.0 14.7 22.1
70 8.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 21.096 ug/l
RT: 7.09 min Scan# 575
Delta R.T. -0.07 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 117 Resp: 137969
Ion Ratio Lower Upper
117 100
119 95.8 75.8 113.8
121 29.3 25.9 38.9





#39

Methvlcvclohexane

Concen: 20.175 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.05 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampled :

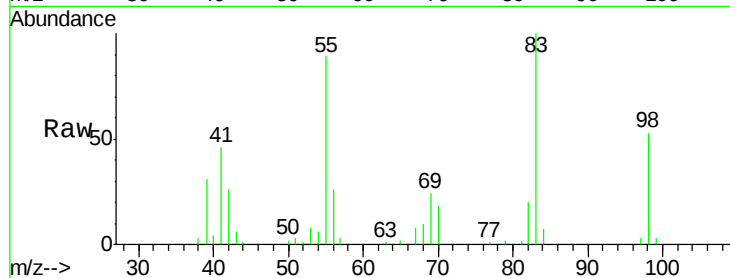
Tot Ion: 83 Resp: 108511

Ion Ratio Lower Upper

83 100

55 89.0 68.2 102.4

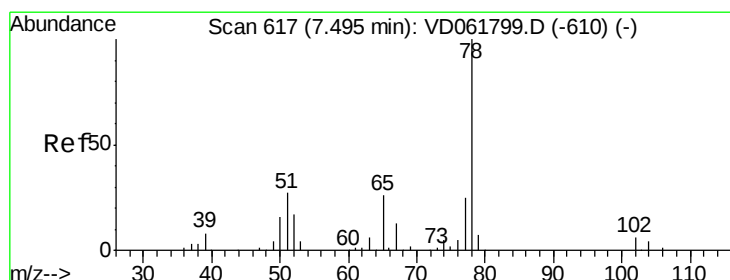
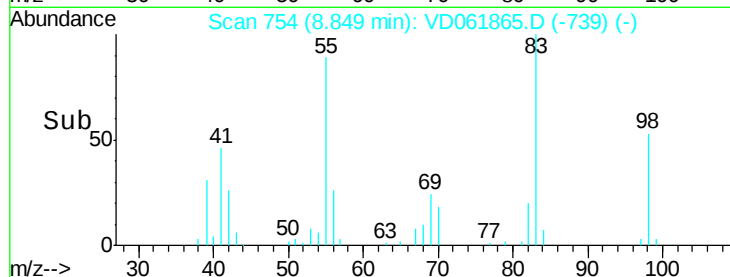
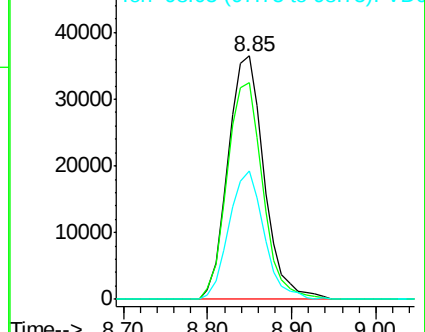
98 52.8 38.2 57.4



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: 24.067 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.06 min

Lab File: VD061865.D

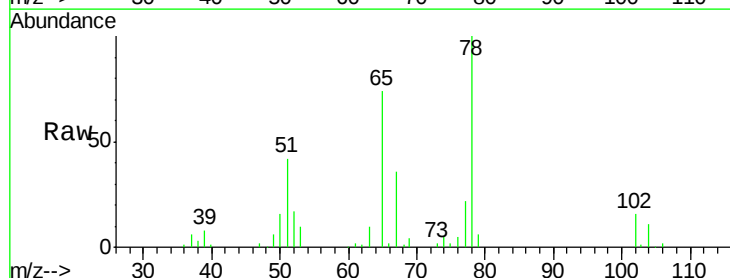
Acq: 17 Apr 2019 21:05

Tgt Ion: 78 Resp: 299260

Ion Ratio Lower Upper

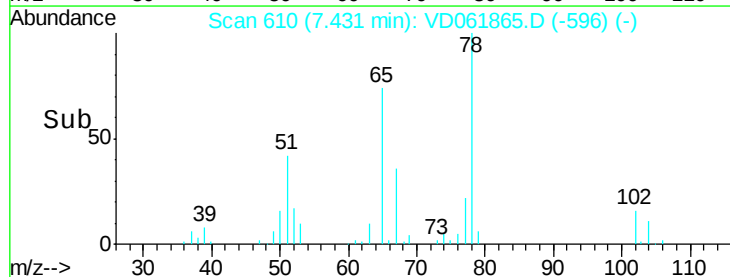
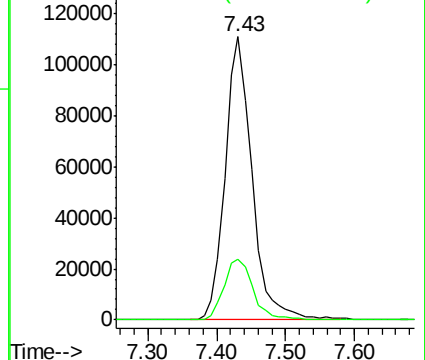
78 100

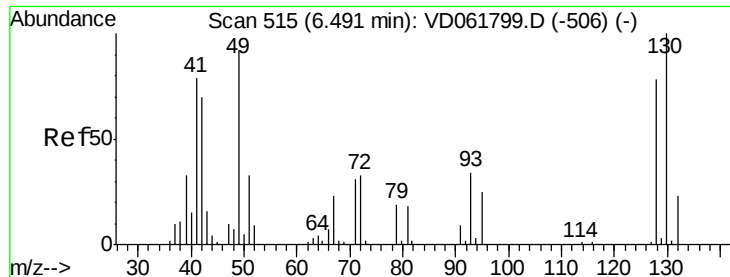
77 21.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

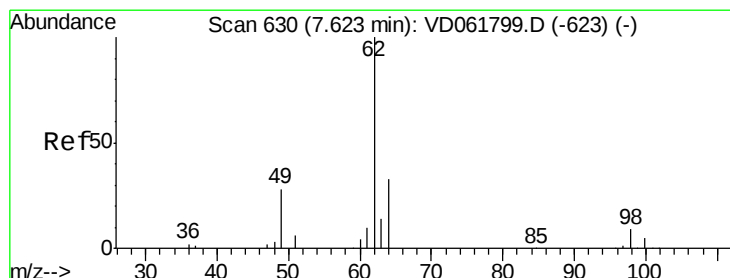
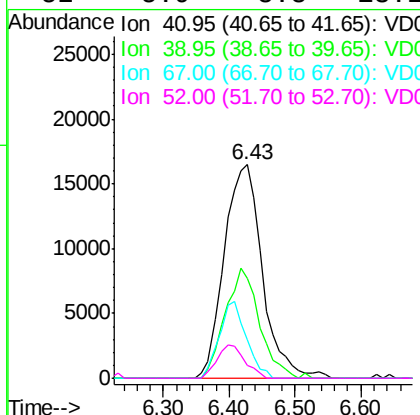
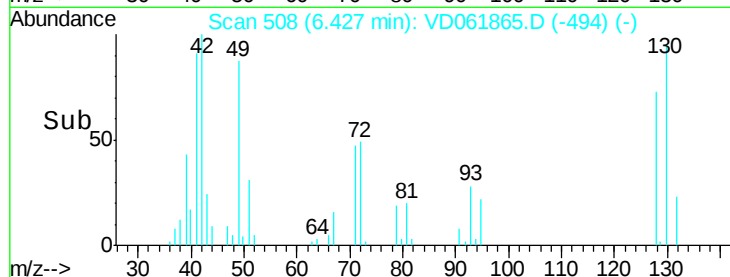
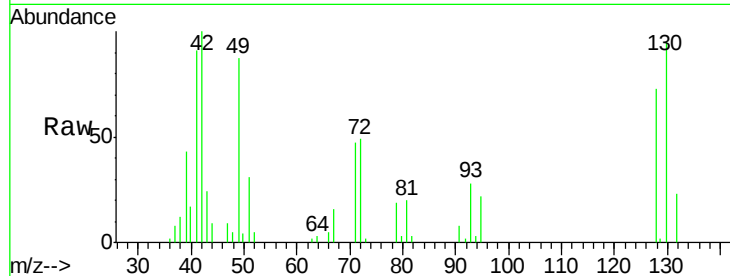




#41
Methacrylonitrile
Concen: 25.442 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.06 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

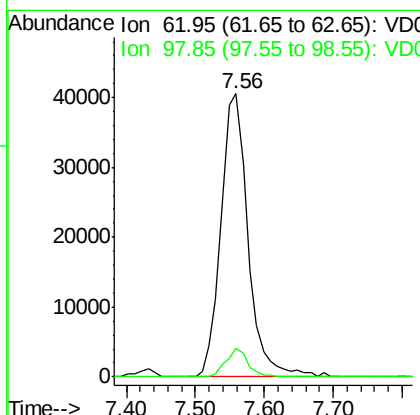
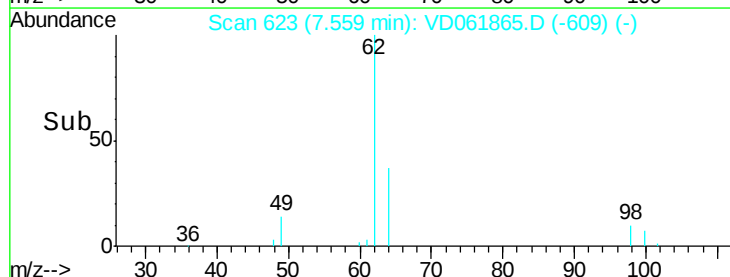
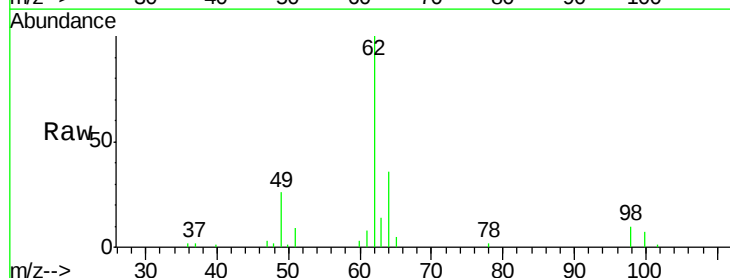
Instrument :
MSVOA_D
ClientSampled :

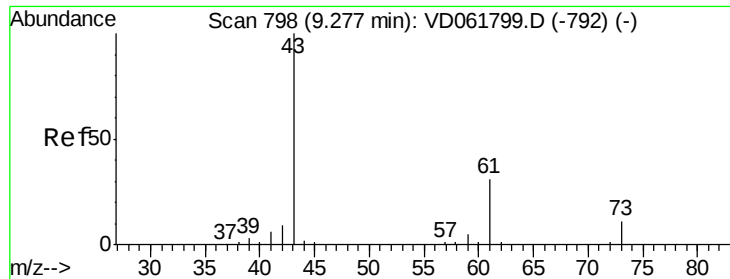
Tot Ion: 41 Resp: 66661
Ion Ratio Lower Upper
41 100
39 46.7 34.1 51.1
67 17.7 23.8 35.6#
52 5.9 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 25.575 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.06 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 62 Resp: 110757
Ion Ratio Lower Upper
62 100
98 9.9 0.0 17.8



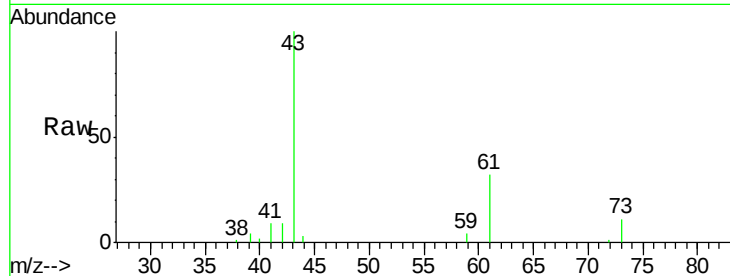


#43

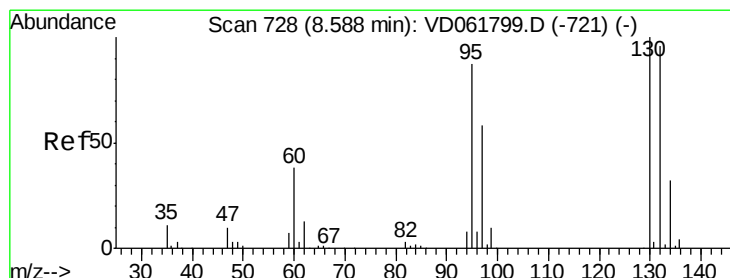
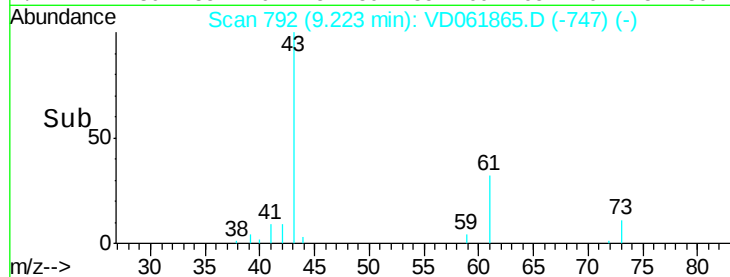
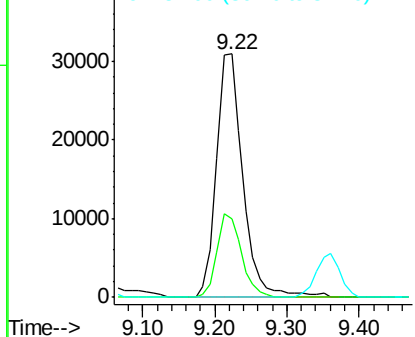
Isopropyl Acetate
 Concen: 25.024 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. -0.05 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 78062
 Ion Ratio Lower Upper
 43 100
 61 32.3 25.1 37.7
 87 0.0 0.0 0.0



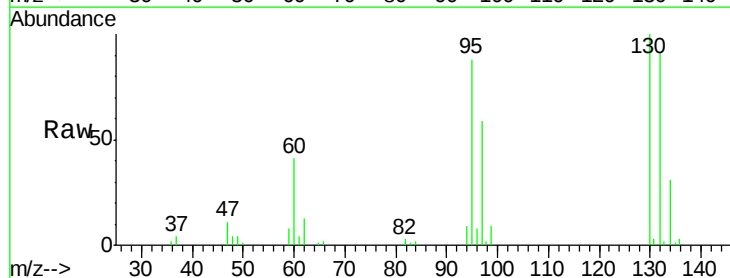
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



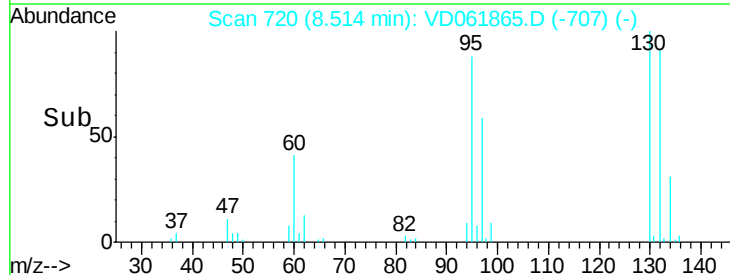
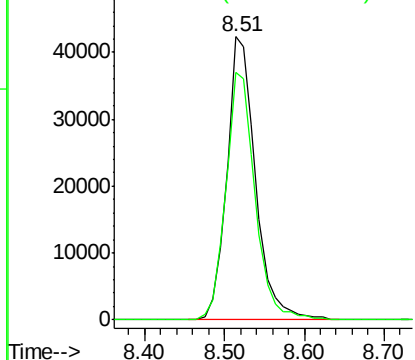
#44

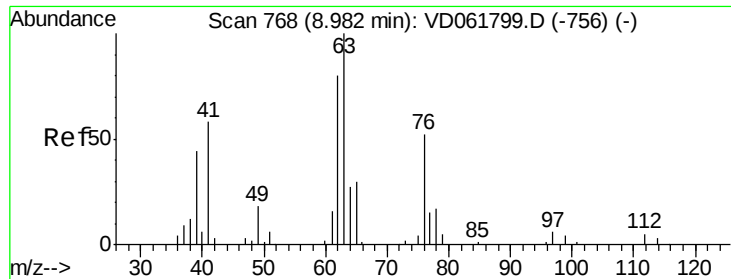
Trichloroethene
 Concen: 22.258 ug/l
 RT: 8.51 min Scan# 720
 Delta R.T. -0.07 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion: 130 Resp: 106545
 Ion Ratio Lower Upper
 130 100
 95 87.5 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 22.234 ug/l

RT: 8.92 min Scan# 761

Delta R.T. -0.06 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

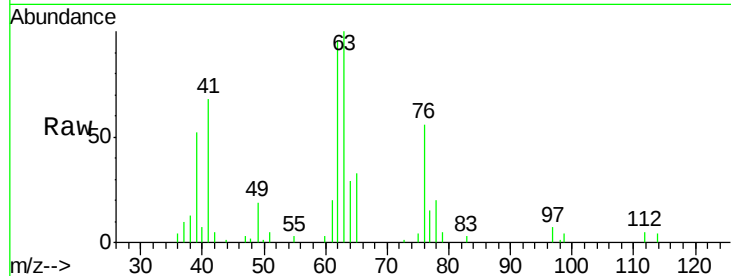
ClientSampled :

Tot Ion: 63 Resp: 72013

Ion Ratio Lower Upper

63 100

65 33.4 23.8 35.6

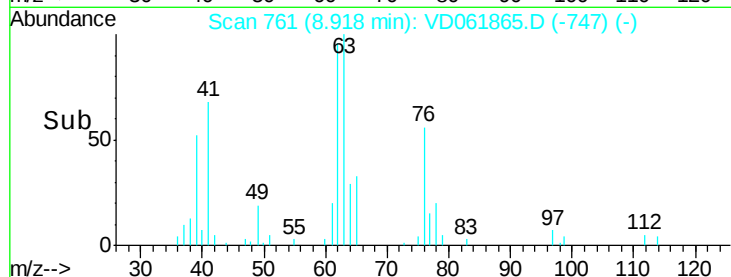


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

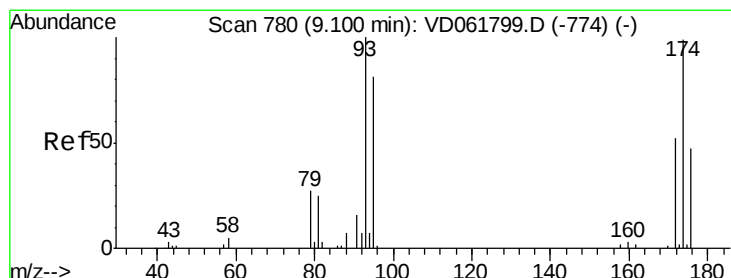
8.92

Time-->



Abundance

Time-->



#46

Dibromomethane

Concen: 25.978 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.05 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

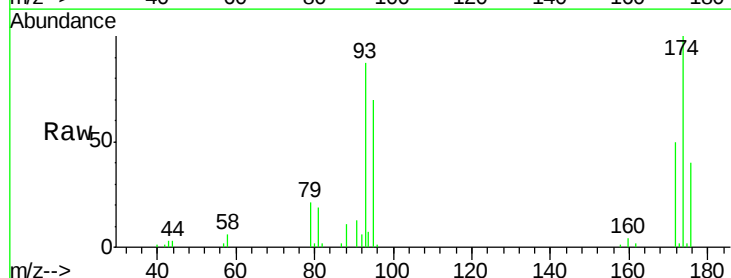
Tgt Ion: 93 Resp: 59954

Ion Ratio Lower Upper

93 100

95 80.8 64.8 97.2

174 115.4 79.3 118.9



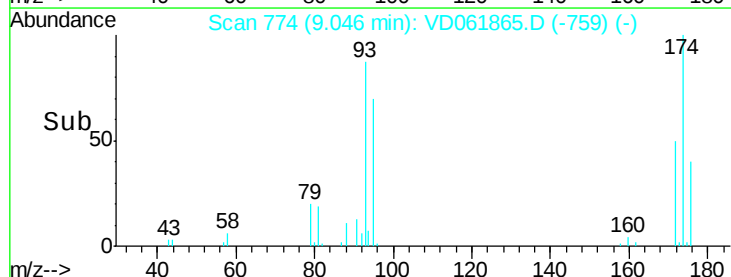
Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

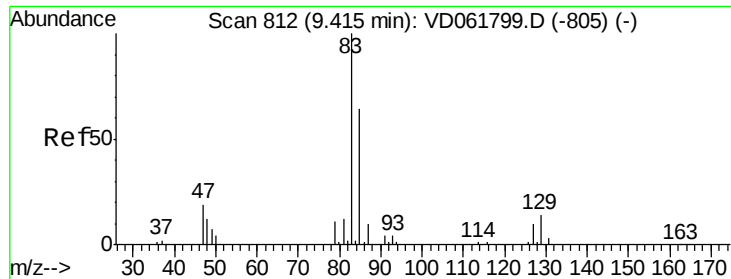
9.05

Time-->



Abundance

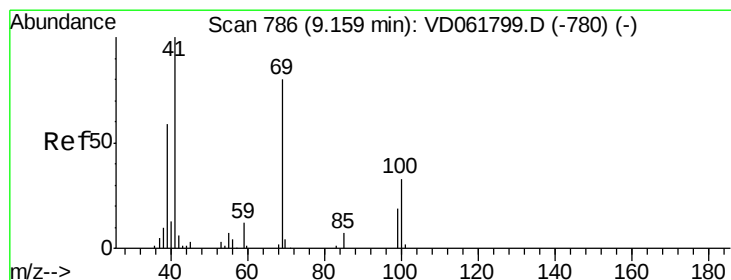
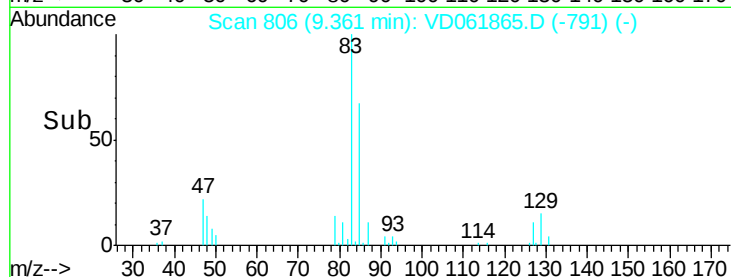
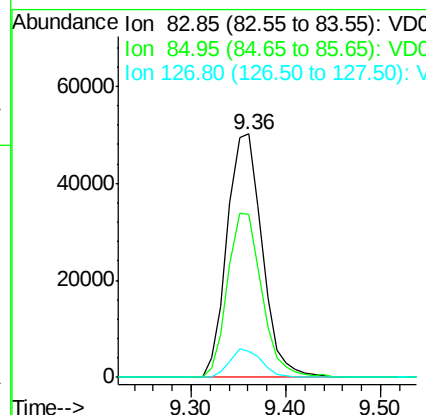
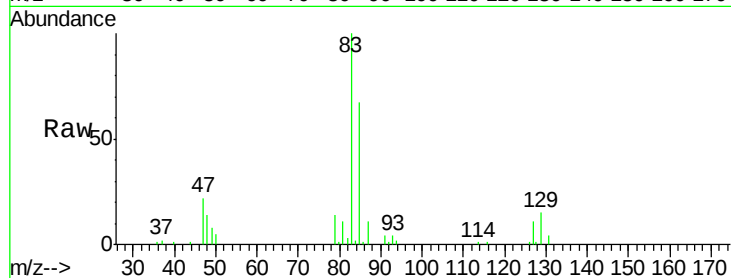
Time-->



#47
Bromodichloromethane
Concen: 24.211 ug/l
RT: 9.36 min Scan# 806
Delta R.T. -0.05 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

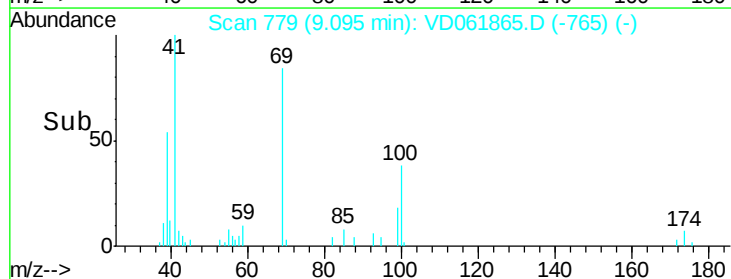
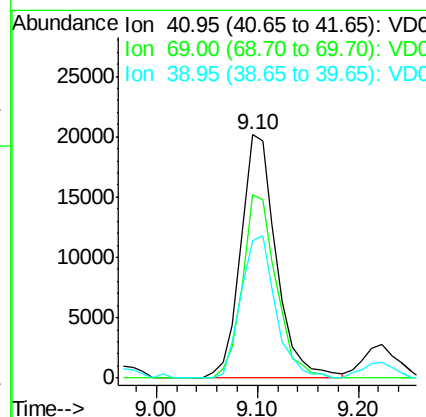
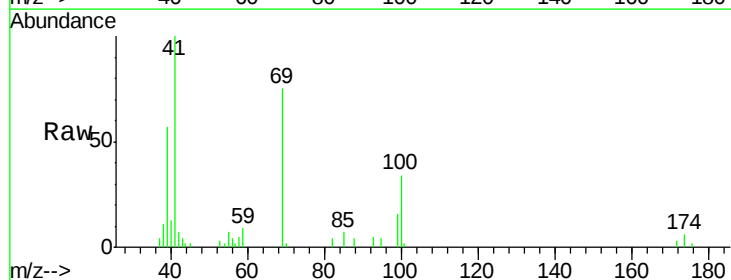
Instrument :
MSVOA_D
ClientSampleId :

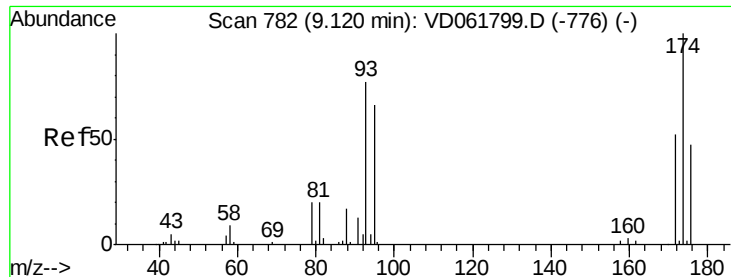
Tot Ion: 83 Resp: 128906
Ion Ratio Lower Upper
83 100
85 66.9 50.9 76.3
127 10.8 8.1 12.1



#48
Methyl methacrylate
Concen: 26.970 ug/l
RT: 9.10 min Scan# 779
Delta R.T. -0.06 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 41 Resp: 49455
Ion Ratio Lower Upper
41 100
69 75.5 64.2 96.2
39 56.6 46.8 70.2

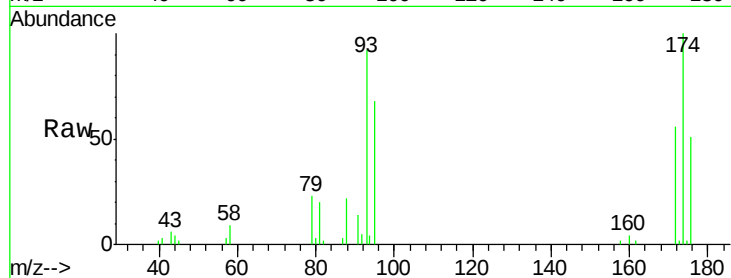




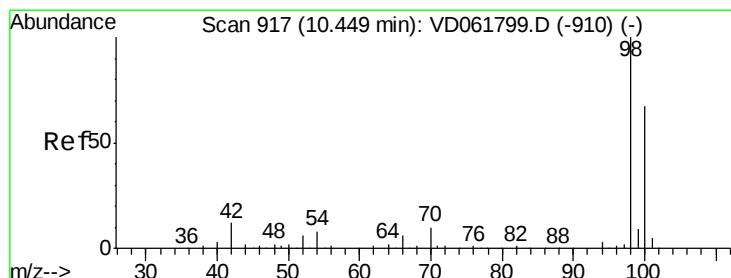
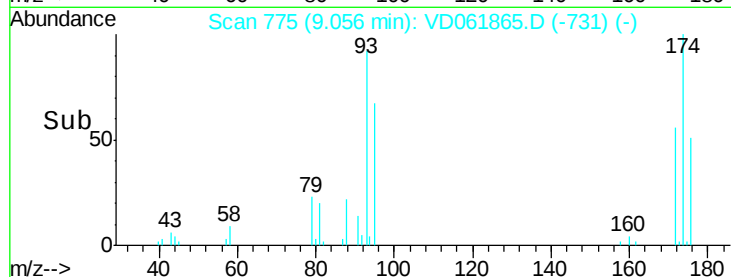
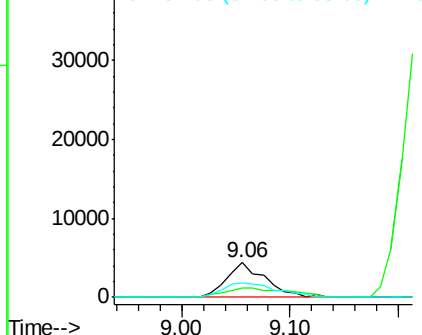
#49
1,4-Dioxane
Concen: 543.600 ug/l
RT: 9.06 min Scan# 775
Delta R.T. -0.06 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 10895
Ion Ratio Lower Upper
88 100
43 27.1 23.4 35.0
58 42.2 44.0 66.0#

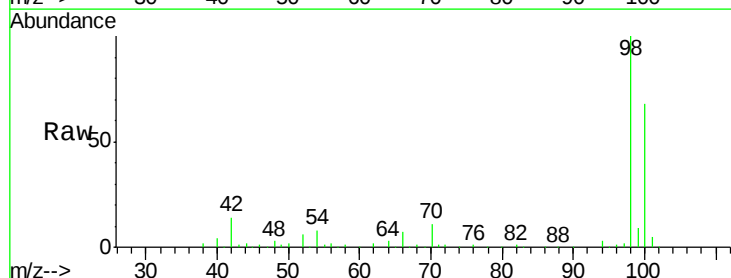


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

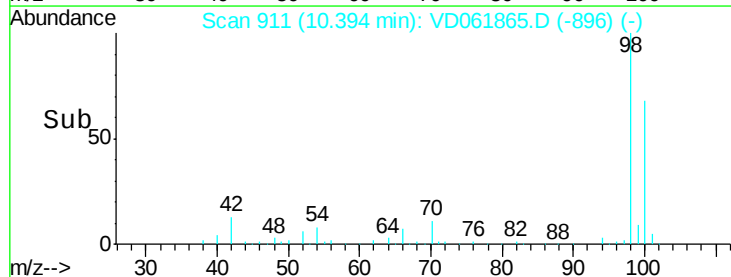
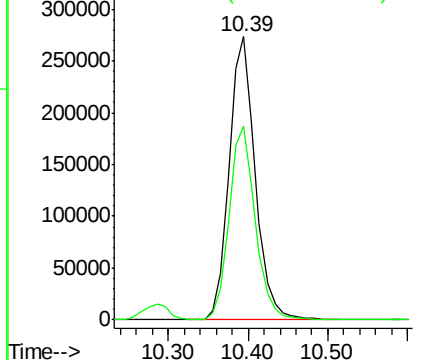


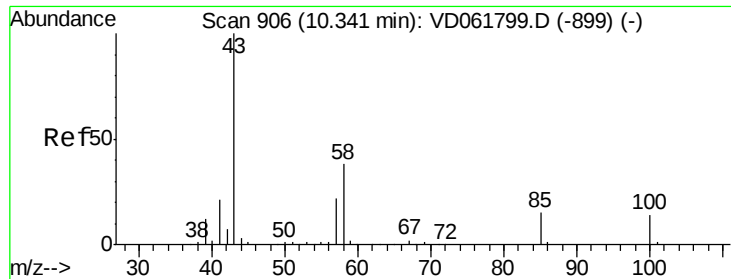
#50
Toluene-d8
Concen: 543.600 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.05 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 98 Resp: 626648
Ion Ratio Lower Upper
98 100
100 68.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 137.794 ug/l

RT: 10.28 min Scan# 899

Delta R.T. -0.06 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

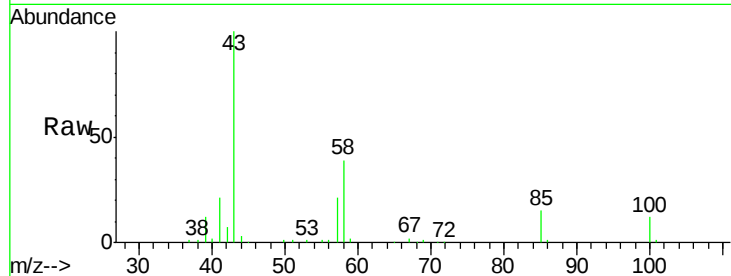
ClientSampleId :

Tot Ion: 43 Resp: 262867

Ion Ratio Lower Upper

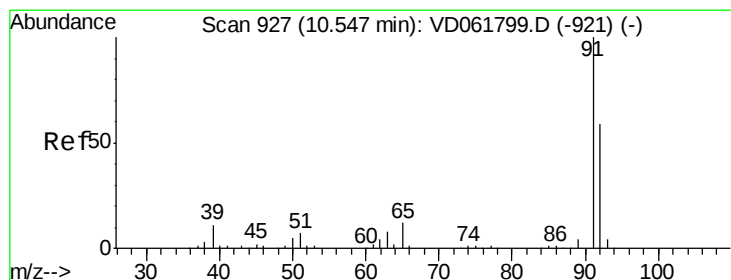
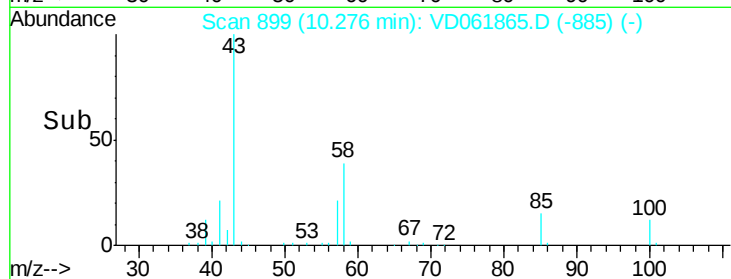
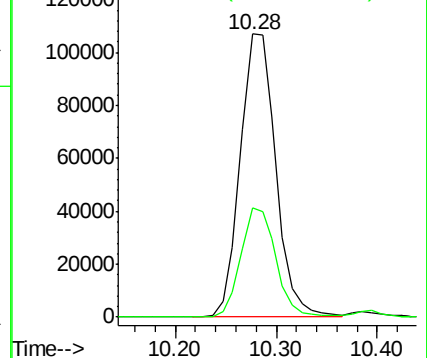
43 100

58 38.6 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 23.442 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.05 min

Lab File: VD061865.D

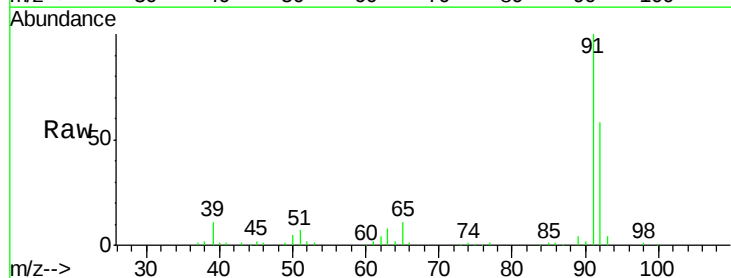
Acq: 17 Apr 2019 21:05

Tgt Ion: 92 Resp: 186800

Ion Ratio Lower Upper

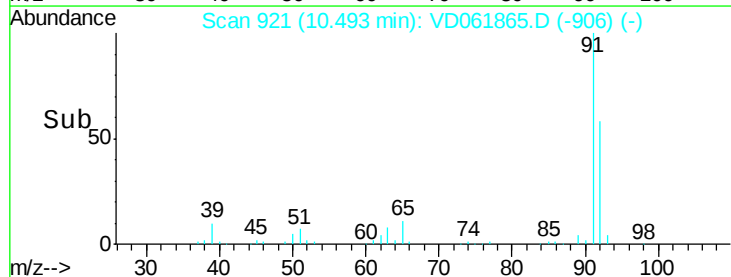
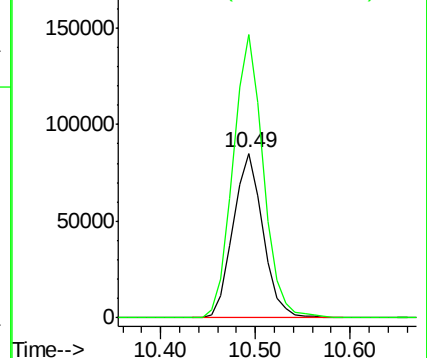
92 100

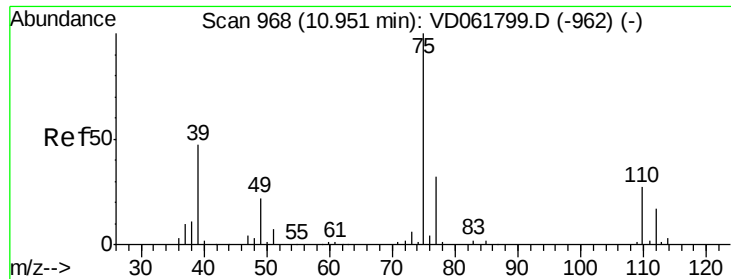
91 172.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

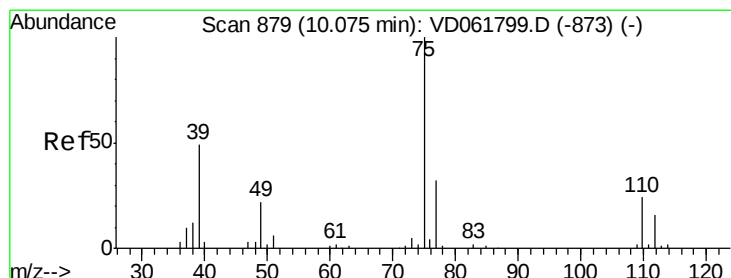
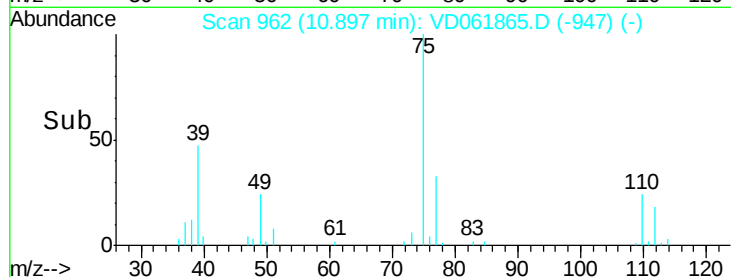
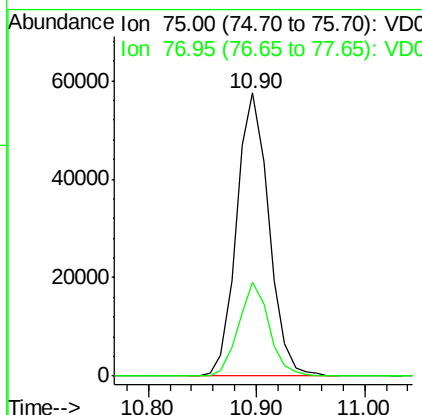
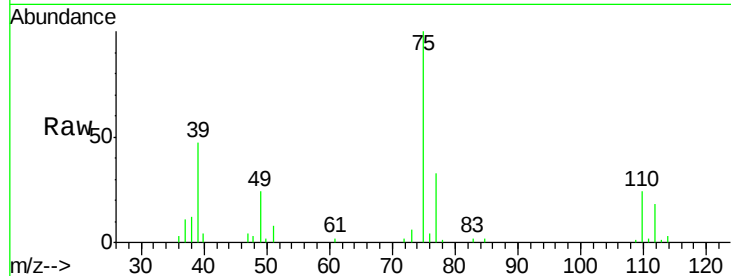




#53
 t-1,3-Dichloropropene
 Concen: 24.779 ug/l
 RT: 10.90 min Scan# 962
 Delta R.T. -0.05 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

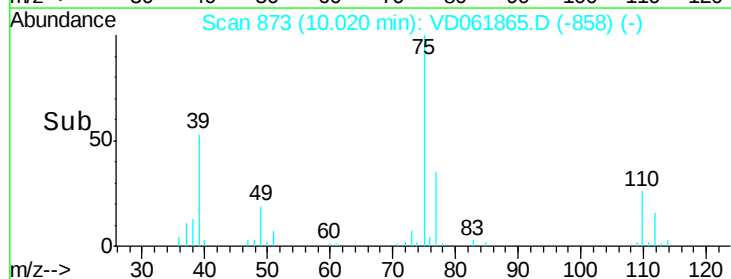
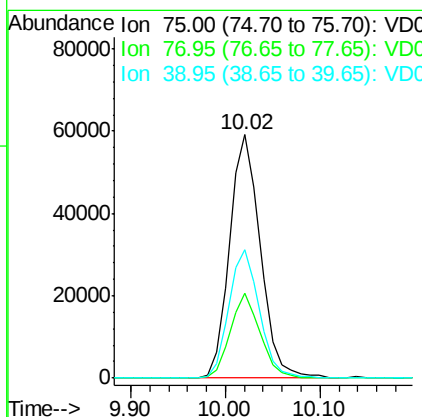
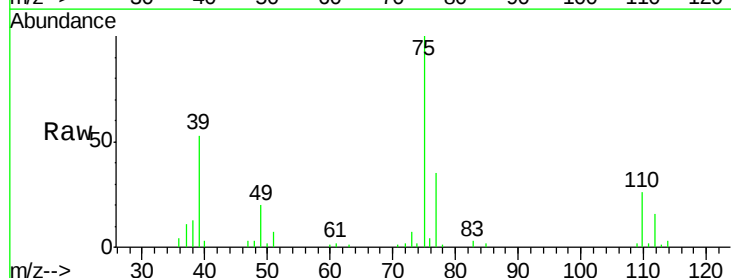
Instrument :
 MSVOA_D
 ClientSampleId :

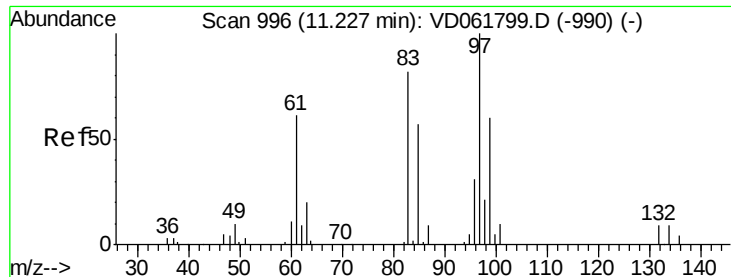
Tot Ion: 75 Resp: 118878
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.528 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion: 75 Resp: 132497
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.5 38.3
 39 52.8 39.4 59.2

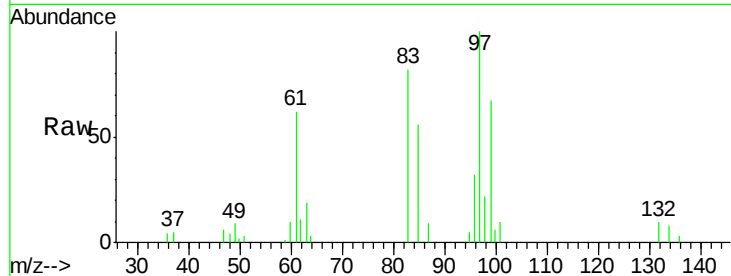




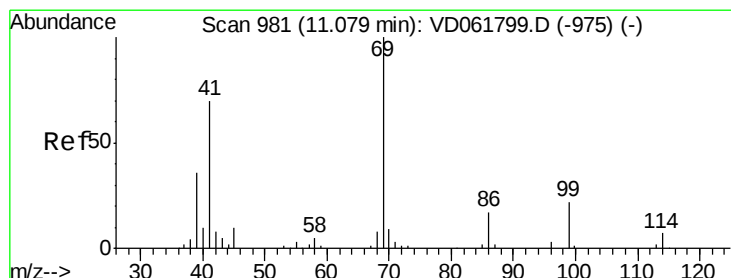
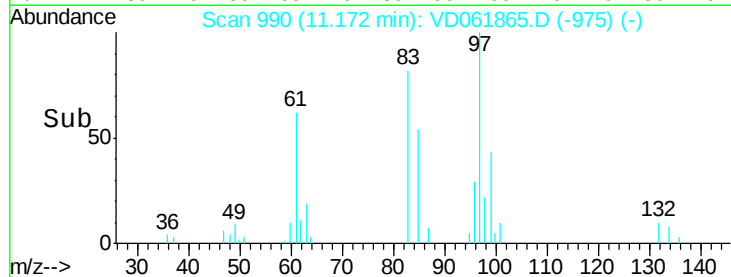
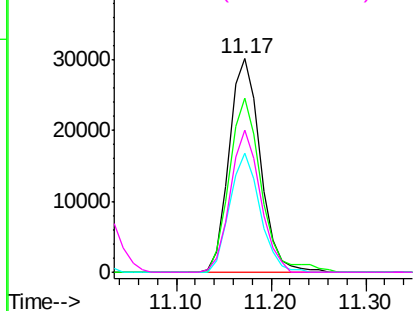
#55
 1,1,2-Trichloroethane
 Concen: 25.654 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	68884
Ion	Ratio	Lower	Upper
97	100		
83	81.5	65.7	98.5
85	56.0	45.6	68.4
99	66.7	48.4	72.6

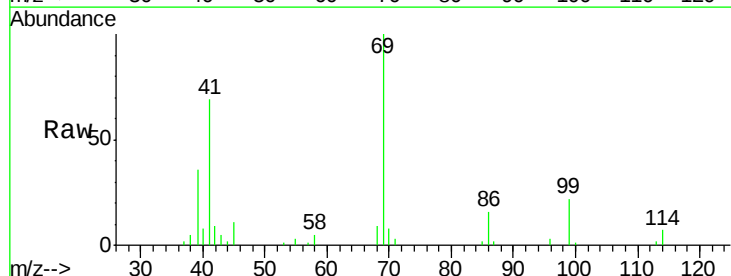


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

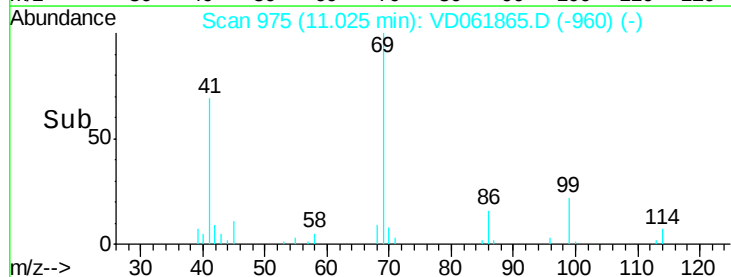
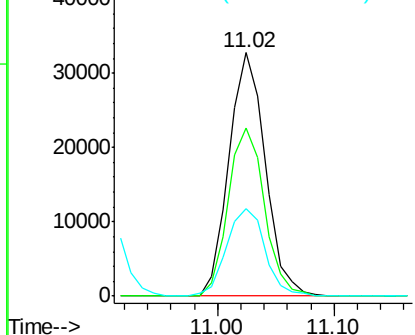


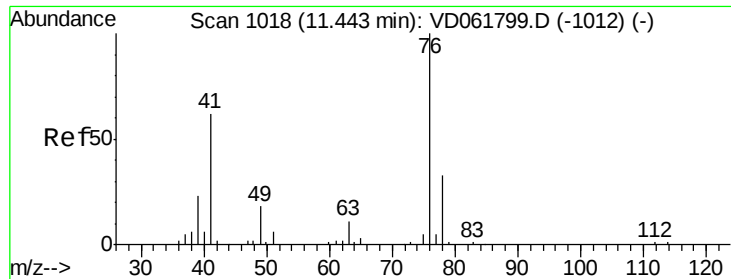
#56
 Ethyl methacrylate
 Concen: 24.031 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. -0.05 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion:	69	Resp:	70818
Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.3	84.5
39	36.1	29.4	44.2



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

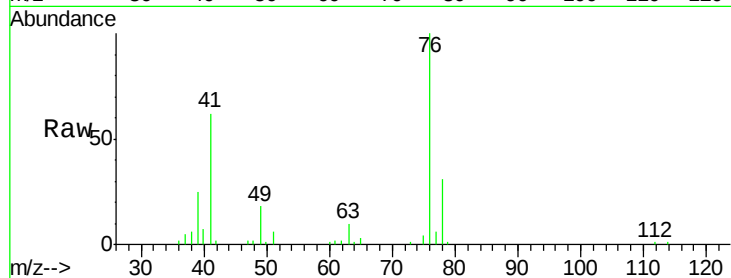




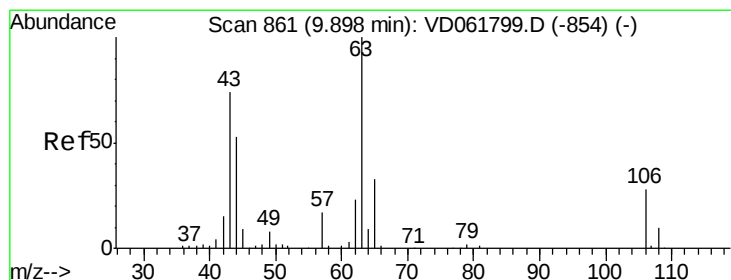
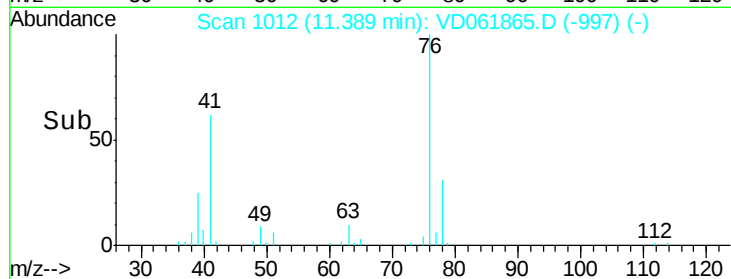
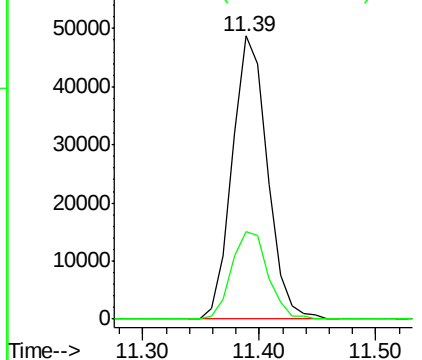
#57
 1,3-Dichloropropane
 Concen: 25.187 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.05 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 101671
 Ion Ratio Lower Upper
 76 100
 78 30.9 26.2 39.2

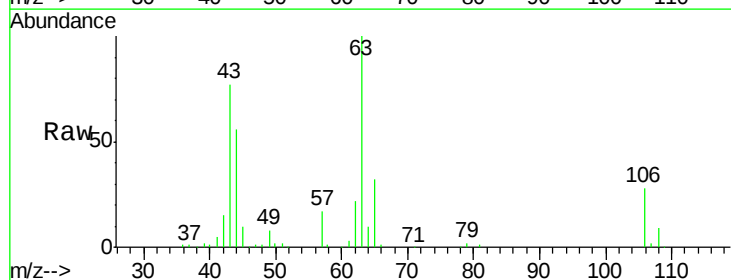


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

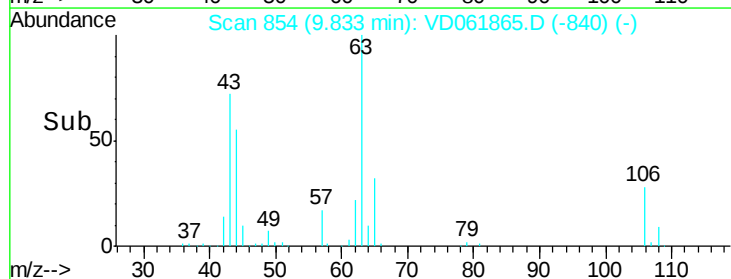
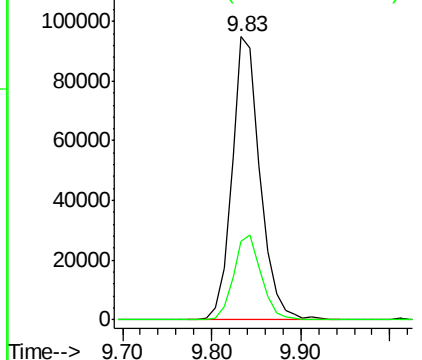


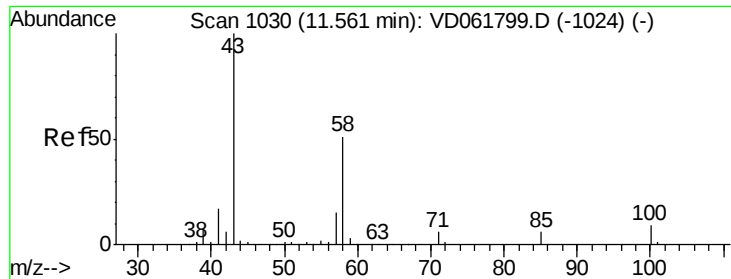
#58
 2-Chloroethyl Vinyl ether
 Concen: 148.835 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.06 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion: 63 Resp: 208624
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

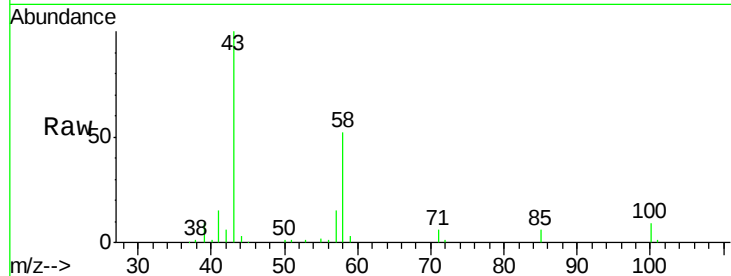




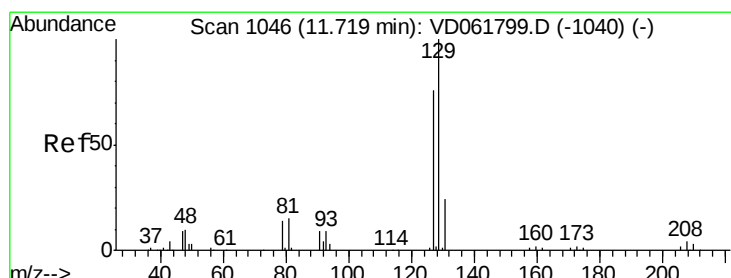
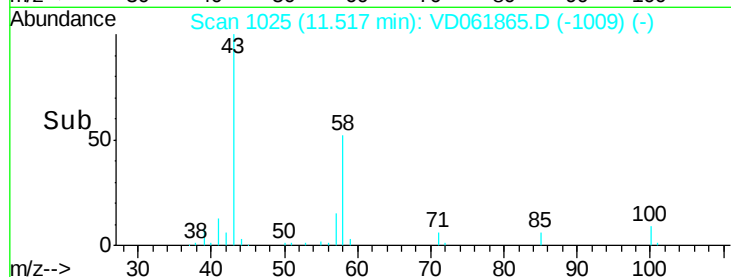
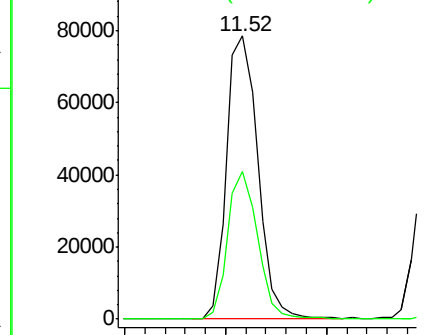
#59
2-Hexanone
Concen: 119.985 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.04 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 170004
Ion Ratio Lower Upper
43 100
58 52.0 25.4 76.4

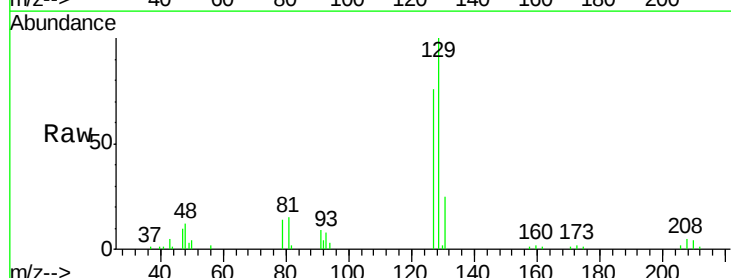


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

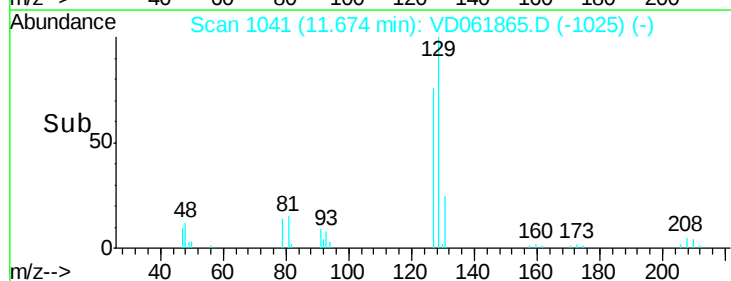
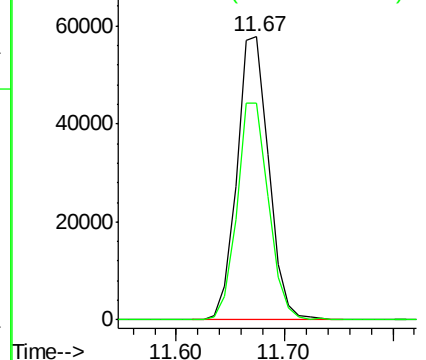


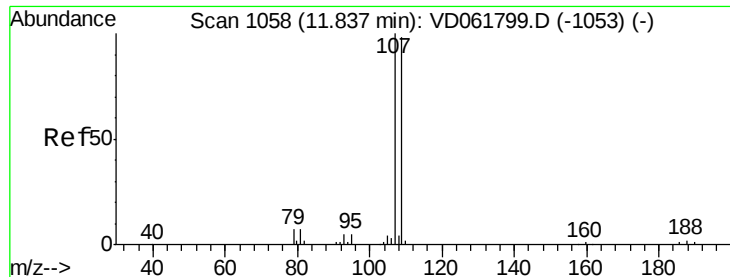
#60
Dibromochloromethane
Concen: 26.897 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.04 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 129 Resp: 118172
Ion Ratio Lower Upper
129 100
127 76.4 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 25.983 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.04 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

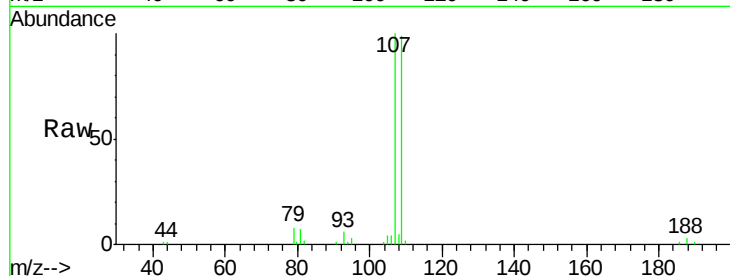
ClientSampleId :

Tot Ion:107 Resp: 85786

Ion Ratio Lower Upper

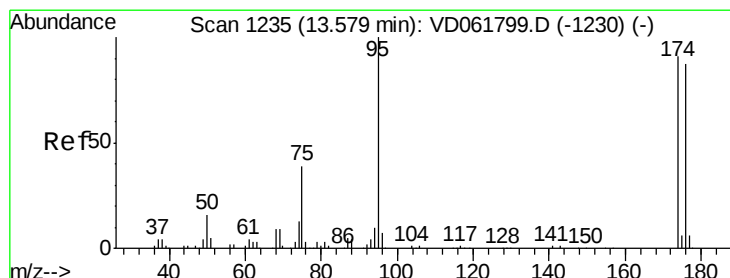
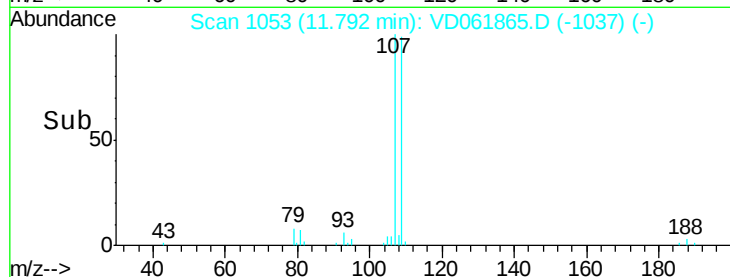
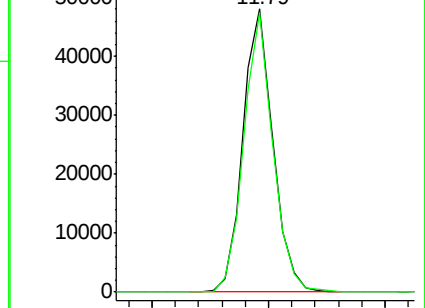
107 100

109 98.7 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 25.983 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

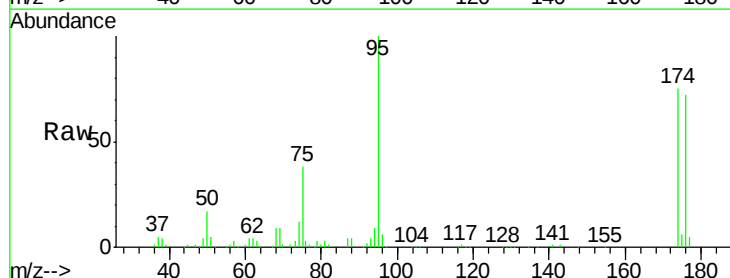
Tgt Ion: 95 Resp: 275542

Ion Ratio Lower Upper

95 100

174 75.1 0.0 181.8

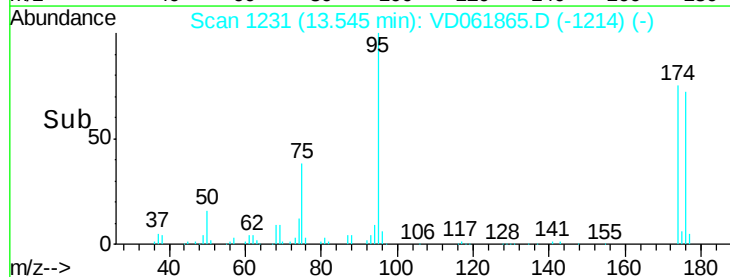
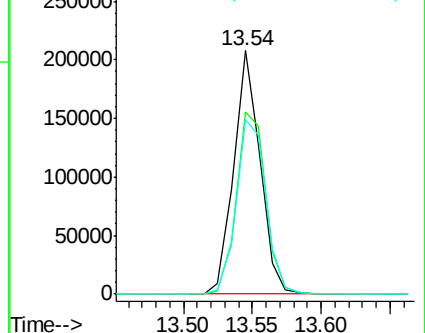
176 71.8 0.0 174.4

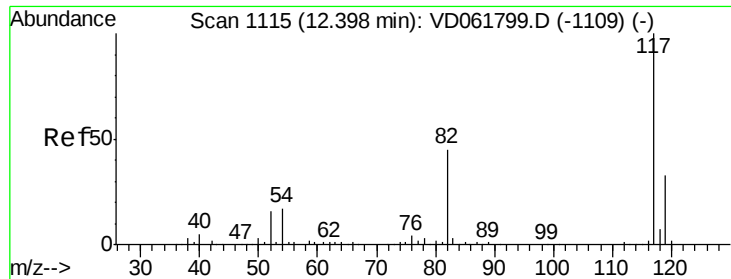


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

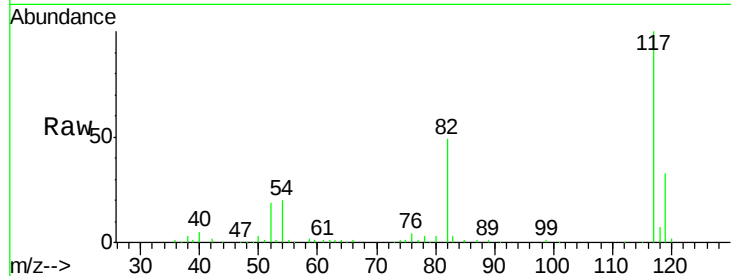




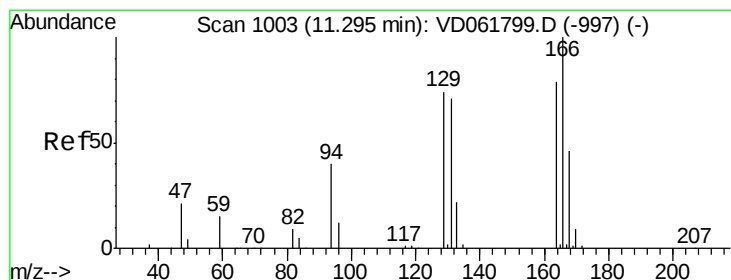
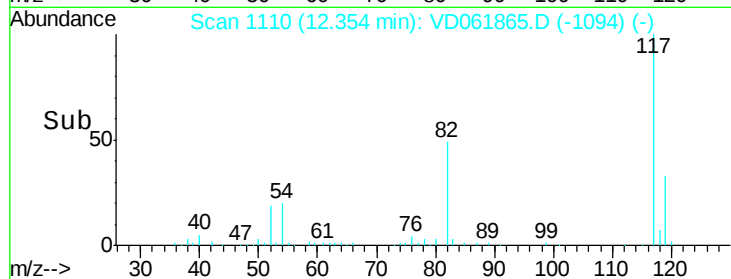
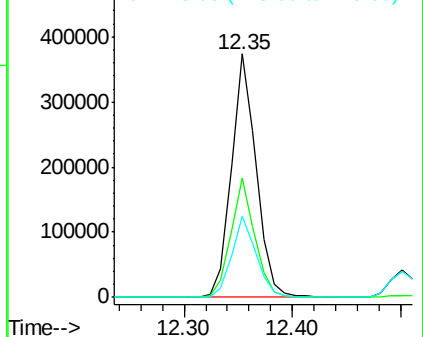
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.04 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 593310
Ion Ratio Lower Upper
117 100
82 49.0 36.2 54.2
119 33.5 26.2 39.4

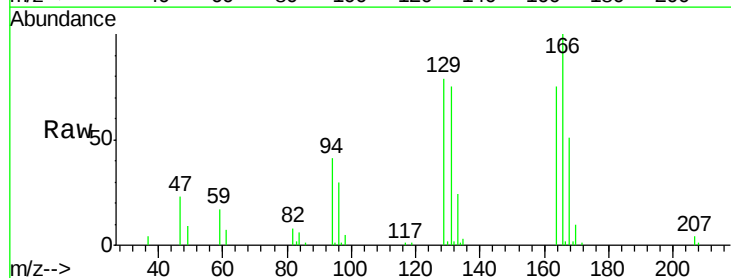


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

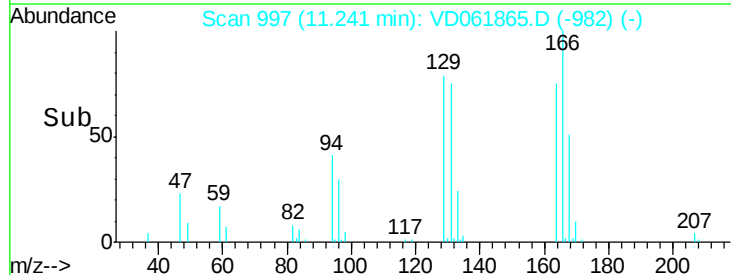
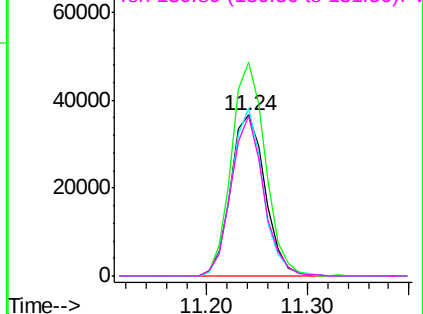


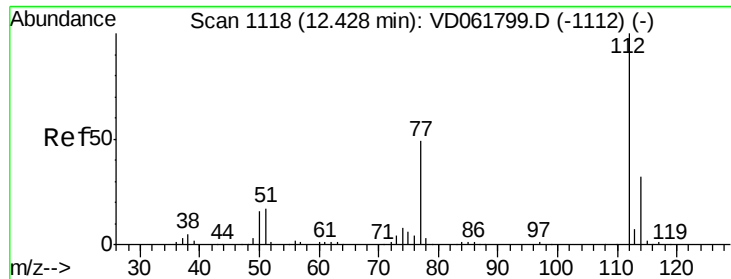
#64
Tetrachloroethene
Concen: 19.636 ug/l
RT: 11.24 min Scan# 997
Delta R.T. -0.05 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion:164 Resp: 87374
Ion Ratio Lower Upper
164 100
166 132.5 101.5 152.3
129 104.3 74.6 112.0
131 99.7 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

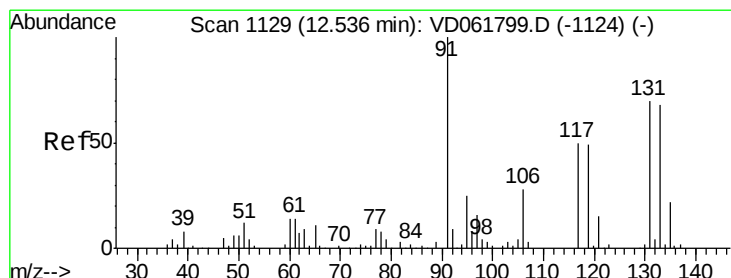
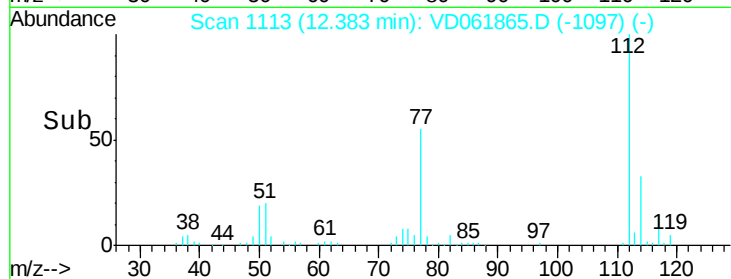
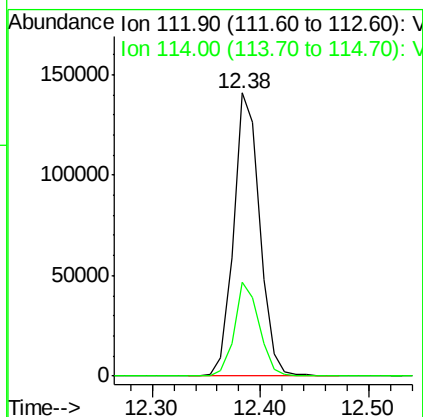
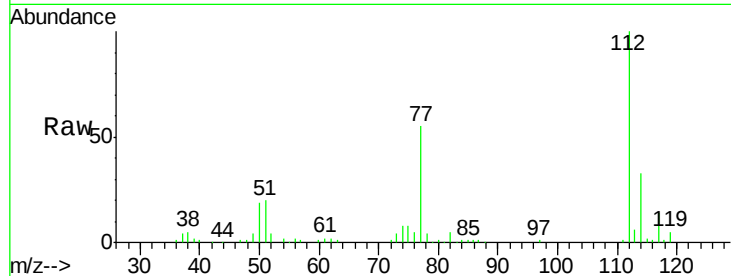




#65
Chlorobenzene
Concen: 21.358 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.04 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

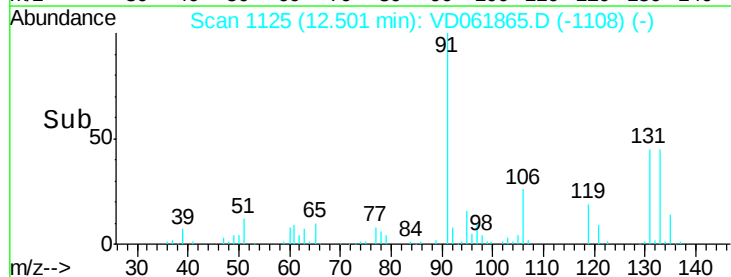
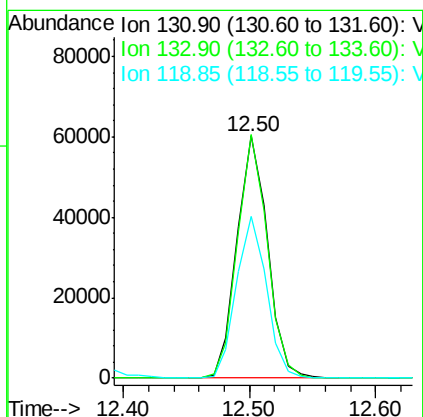
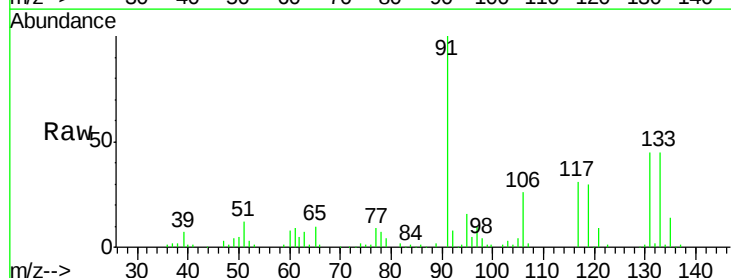
Instrument :
MSVOA_D
ClientSampleId :

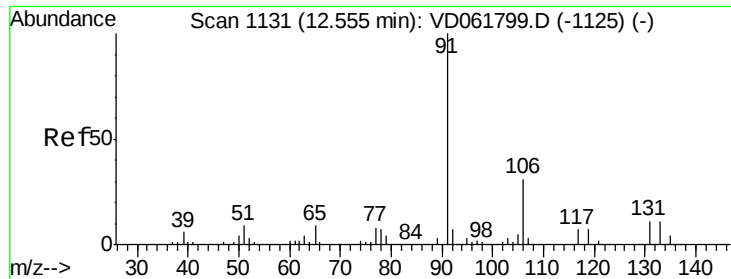
Tot Ion:112 Resp: 235997
Ion Ratio Lower Upper
112 100
114 33.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.816 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.03 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion:131 Resp: 101016
Ion Ratio Lower Upper
131 100
133 100.6 48.6 145.8
119 66.7 34.7 104.1

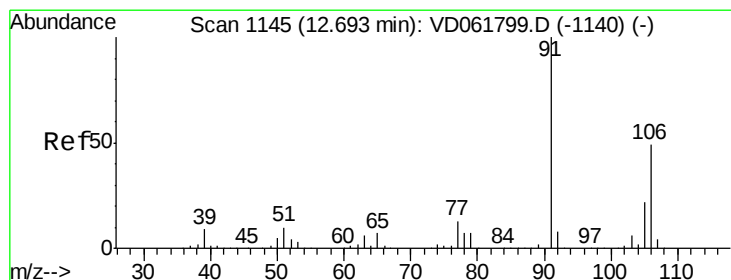
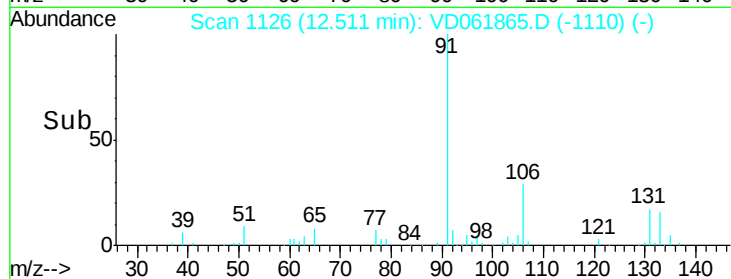
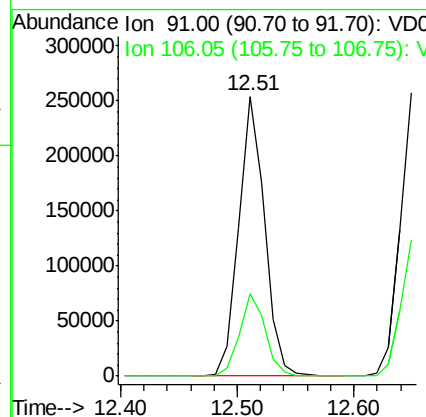
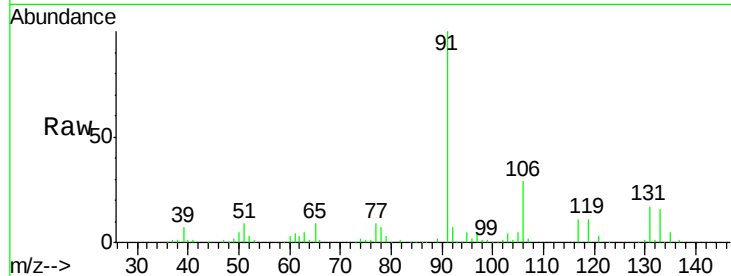




#67
Ethyl Benzene
Concen: 22.073 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.04 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

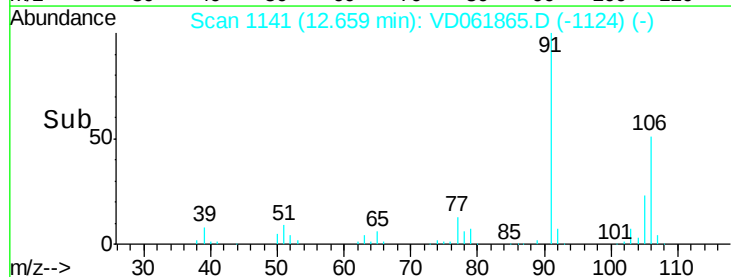
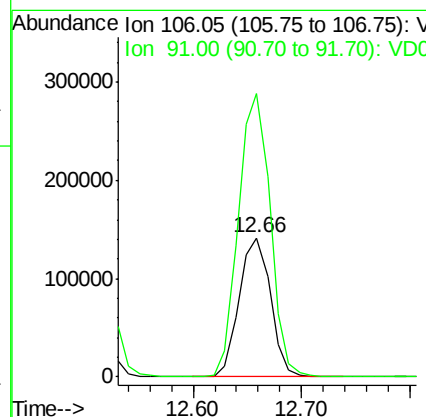
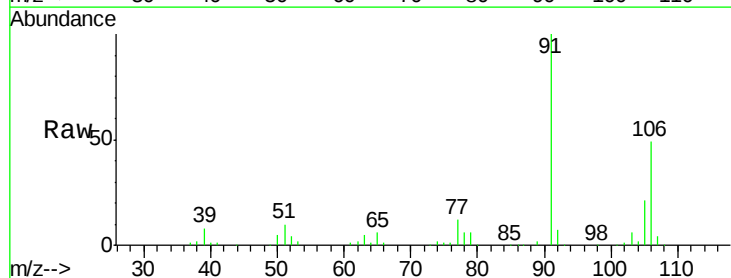
Instrument :
MSVOA_D
ClientSampled :

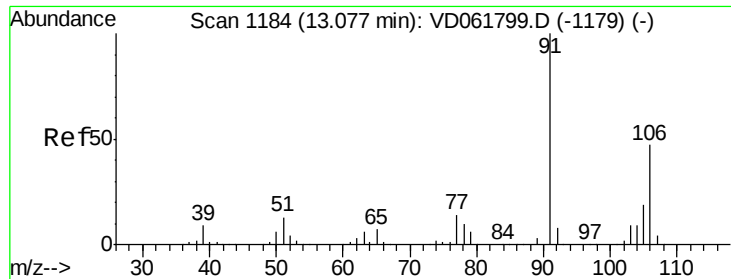
Tot Ion: 91 Resp: 390586
Ion Ratio Lower Upper
91 100
106 29.3 24.7 37.1



#68
m/p-Xylenes
Concen: 42.834 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion: 106 Resp: 284706
Ion Ratio Lower Upper
106 100
91 203.8 164.0 246.0

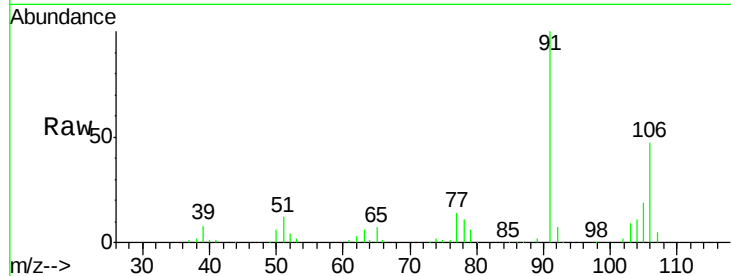




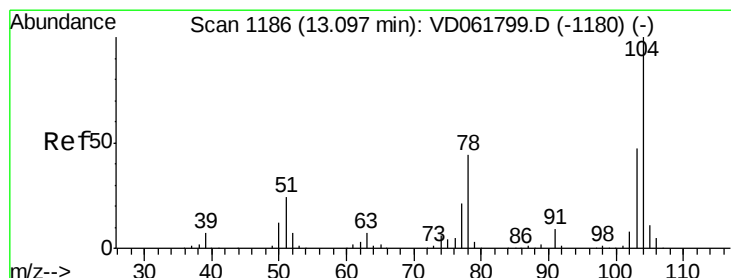
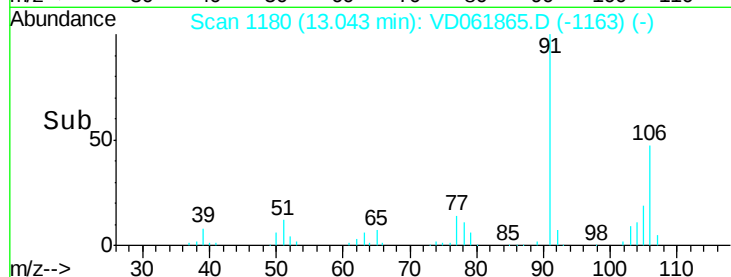
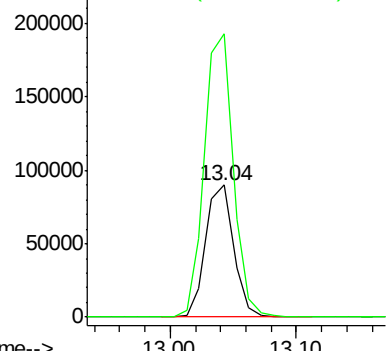
#69
o-Xylene
Concen: 22.112 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.03 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 138146
Ion Ratio Lower Upper
106 100
91 214.7 106.7 319.9

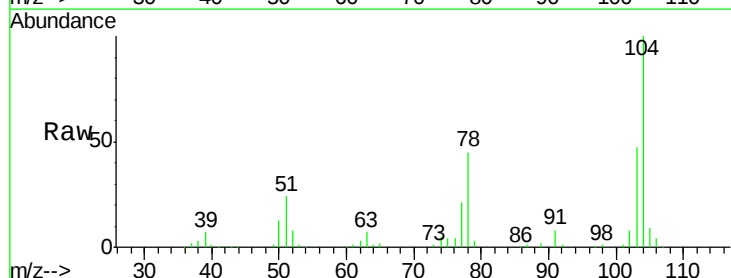


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

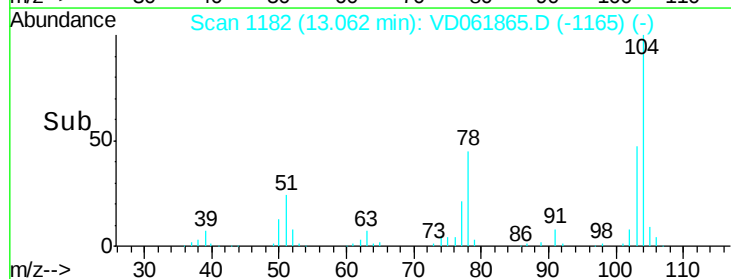
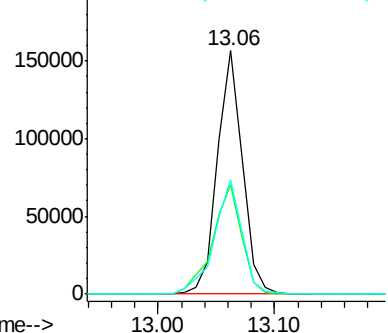


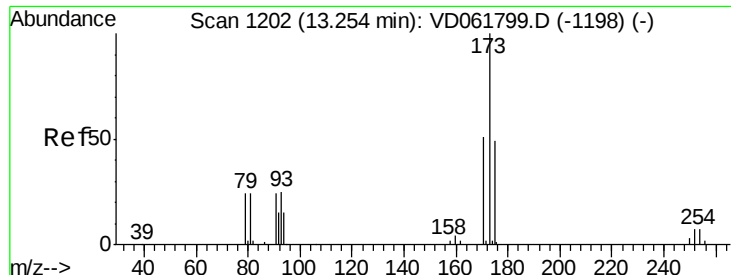
#70
Styrene
Concen: 21.684 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.03 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion:104 Resp: 233124
Ion Ratio Lower Upper
104 100
78 45.0 35.4 53.2
103 46.8 37.5 56.3



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





#71

Bromoform

Concen: 23.292 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.03 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

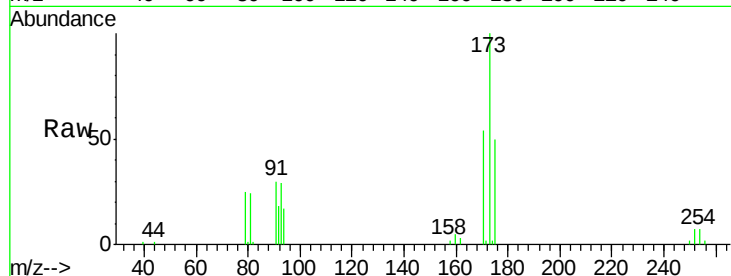
Tot Ion:173 Resp: 64019

Ion Ratio Lower Upper

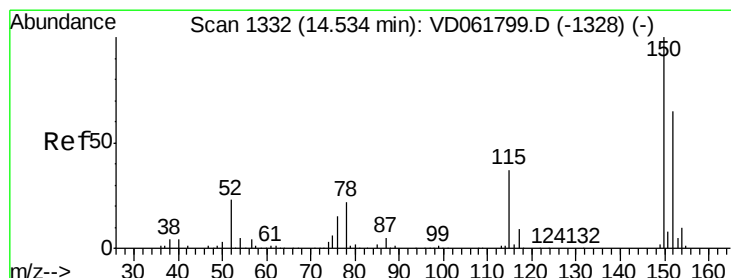
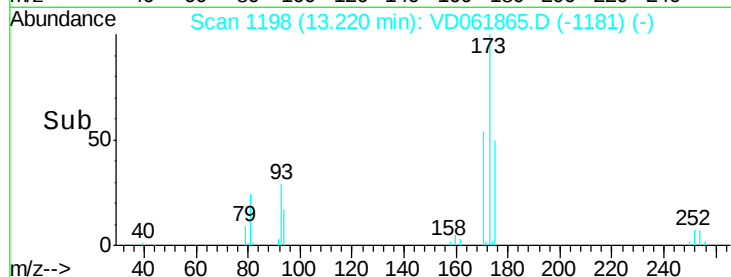
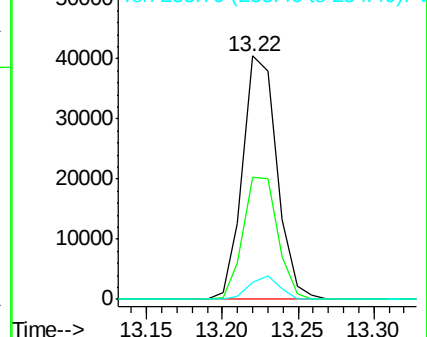
173 100

175 50.2 24.4 73.4

254 6.8 5.4 8.2



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: 14.51 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

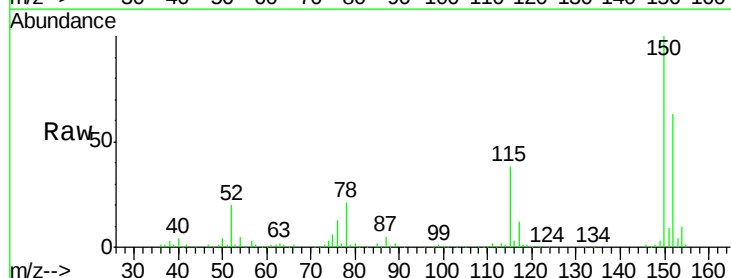
Tgt Ion:152 Resp: 301295

Ion Ratio Lower Upper

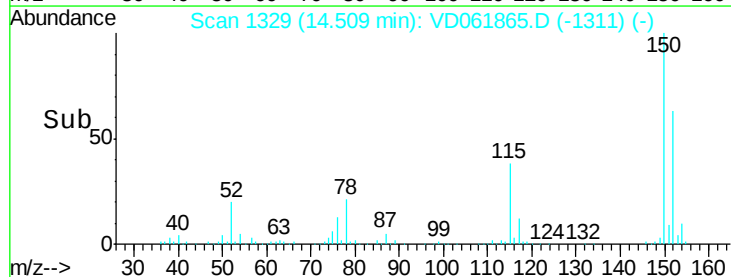
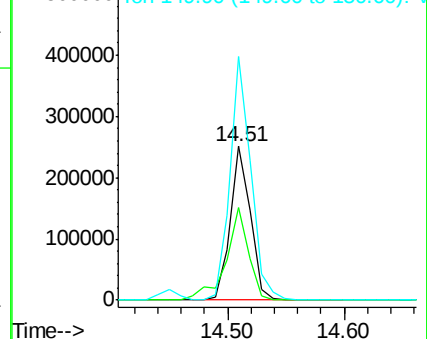
152 100

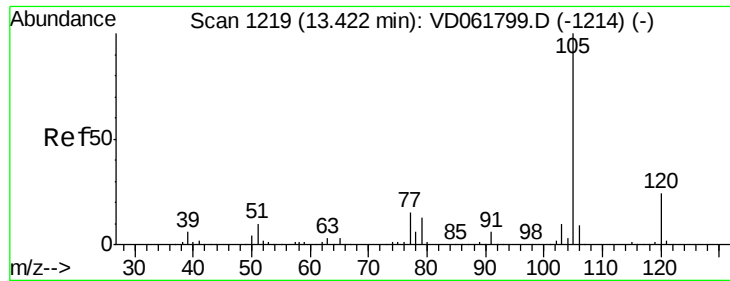
115 60.1 30.9 92.7

150 158.6 0.0 314.8



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





#73

Isopropylbenzene

Concen: 17.171 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

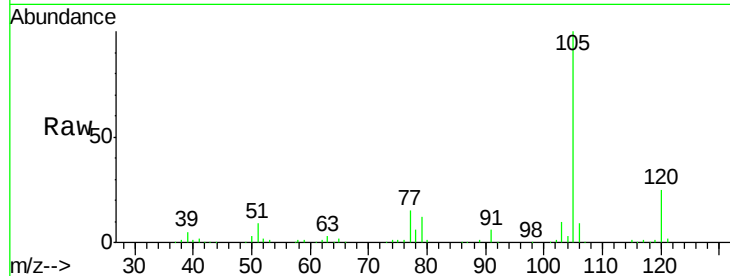
ClientSampleId :

Tot Ion:105 Resp: 335526

Ion Ratio Lower Upper

105 100

120 25.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

250000

200000

150000

100000

50000

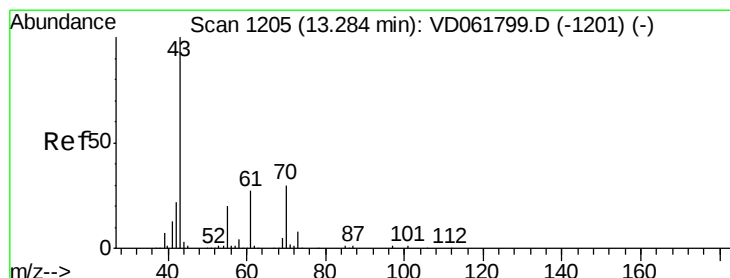
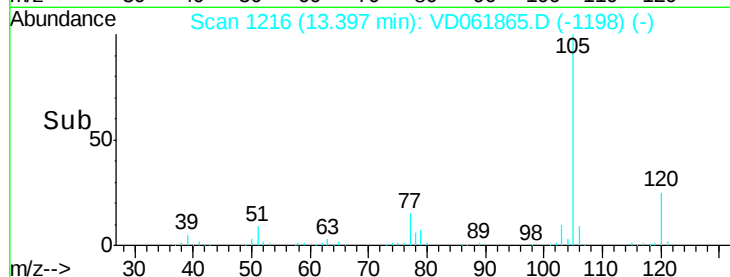
0

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 20.395 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.02 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Tgt Ion: 43 Resp: 107162

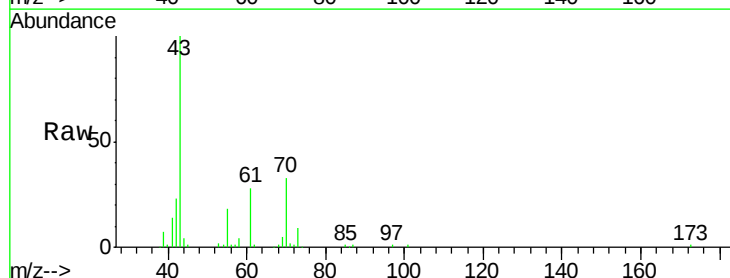
Ion Ratio Lower Upper

43 100

70 33.5 24.2 36.4

55 18.3 16.0 24.0

61 27.6 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

120000

100000

80000

60000

40000

20000

0

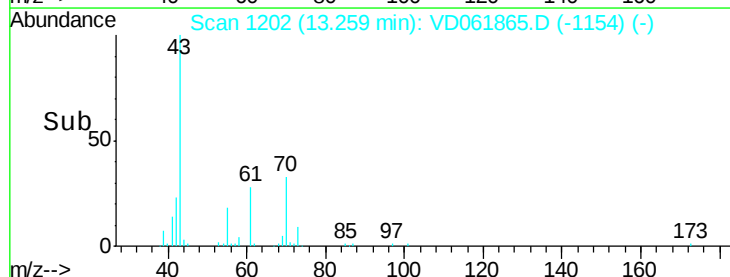
13.20

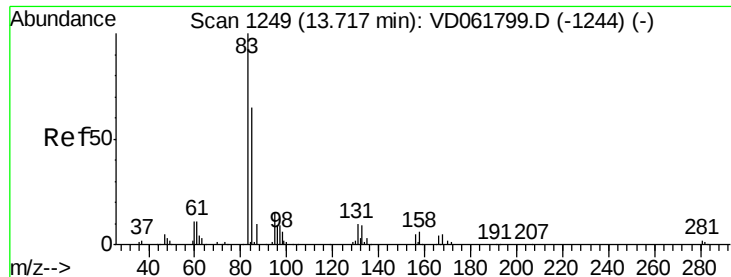
13.25

13.30

13.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.790 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

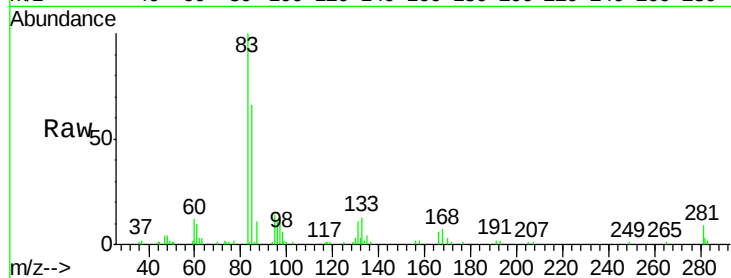
Tot Ion: 83 Resp: 84163

Ion Ratio Lower Upper

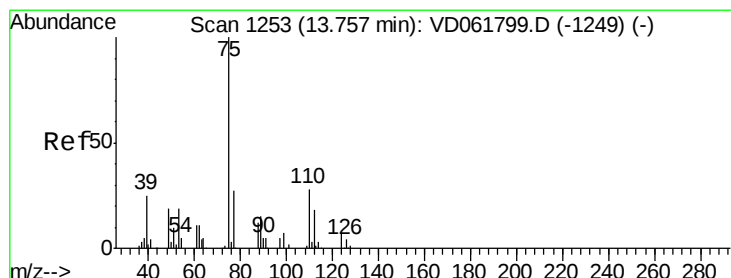
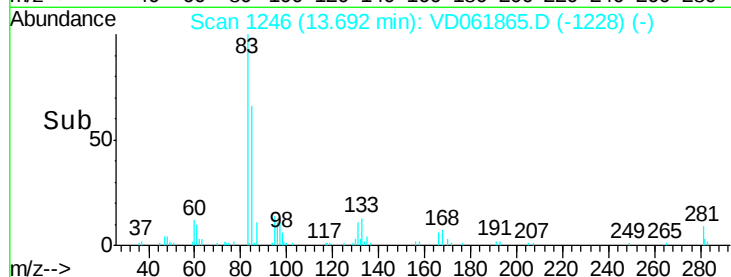
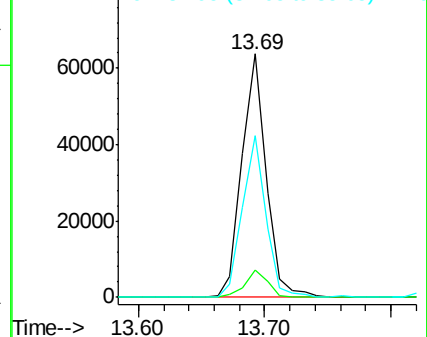
83 100

131 11.0 5.0 14.9

85 66.2 32.6 97.7



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: 21.207 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.03 min

Lab File: VD061865.D

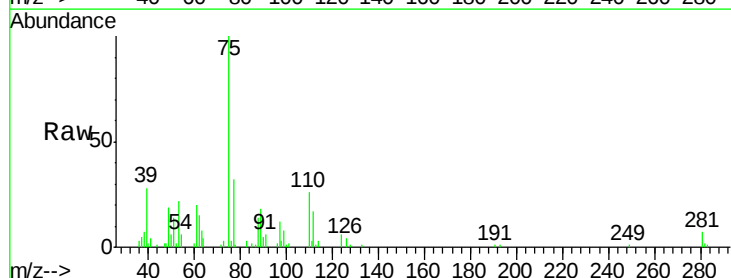
Acq: 17 Apr 2019 21:05

Tgt Ion: 75 Resp: 83910

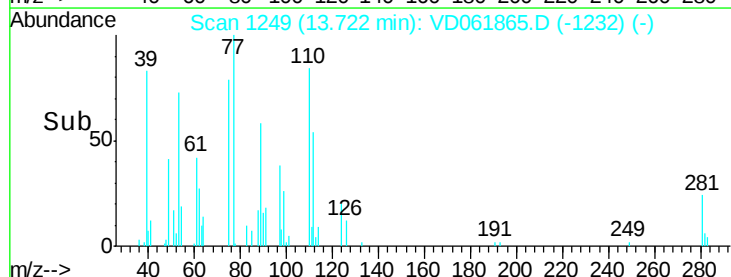
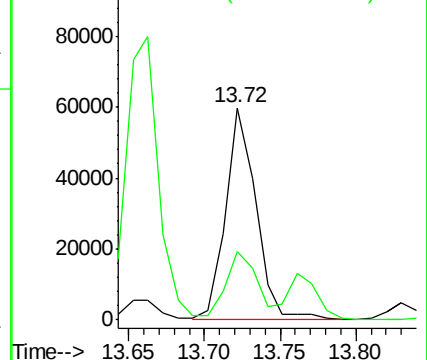
Ion Ratio Lower Upper

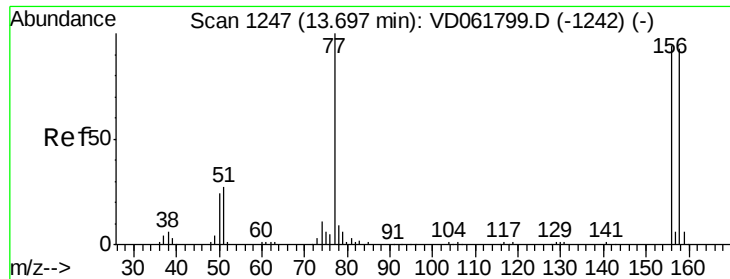
75 100

77 32.0 16.4 49.4



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





#77

Bromobenzene

Concen: 17.652 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.03 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

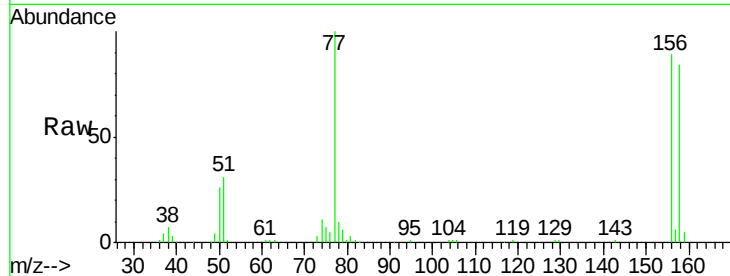
Tot Ion:156 Resp: 97981

Ion Ratio Lower Upper

156 100

77 112.2 53.1 159.4

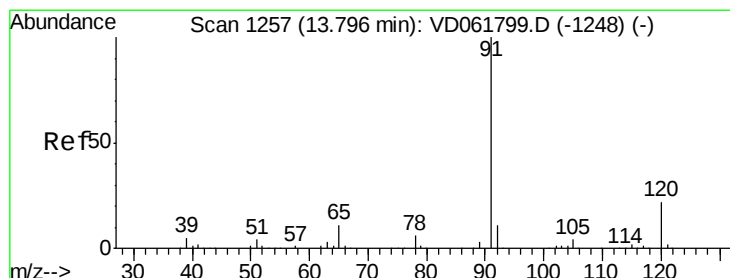
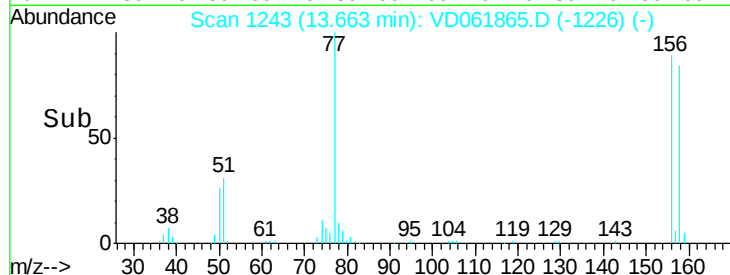
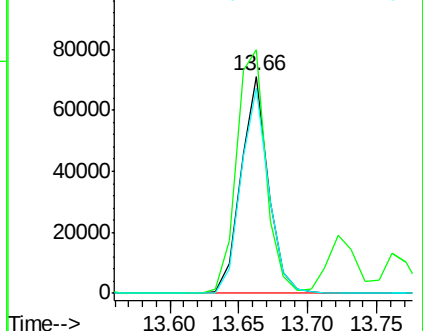
158 94.4 49.4 148.0



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: 21.073 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.03 min

Lab File: VD061865.D

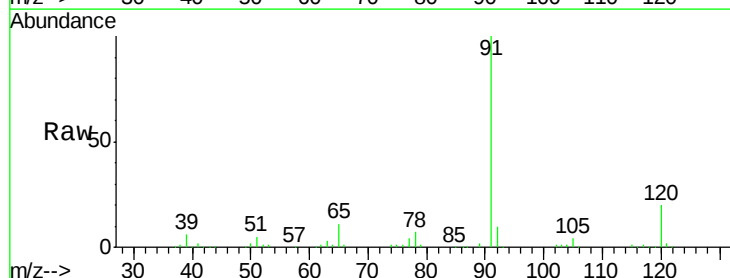
Acq: 17 Apr 2019 21:05

Tgt Ion: 91 Resp: 475735

Ion Ratio Lower Upper

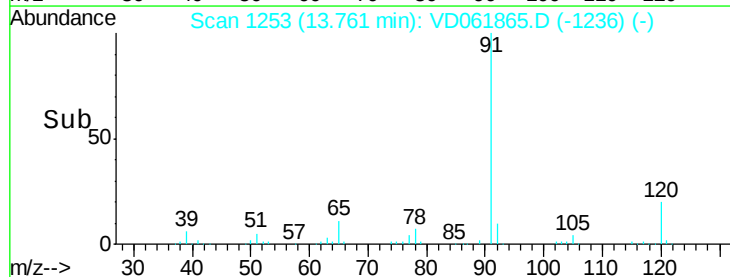
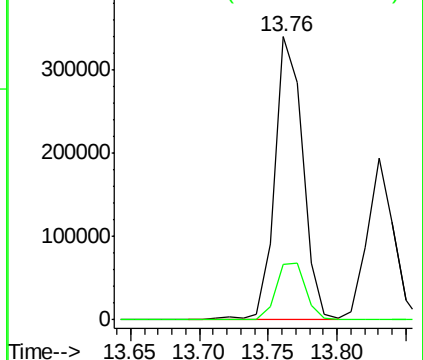
91 100

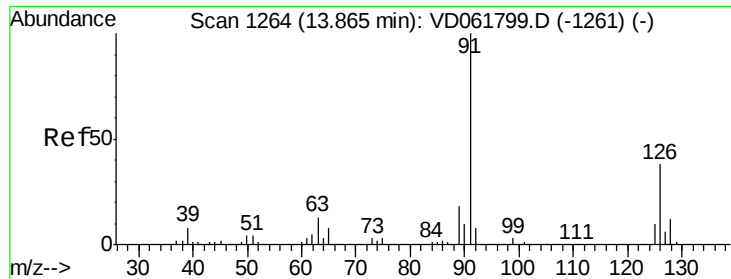
120 19.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

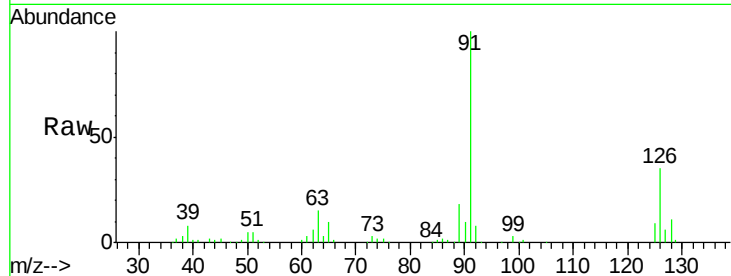




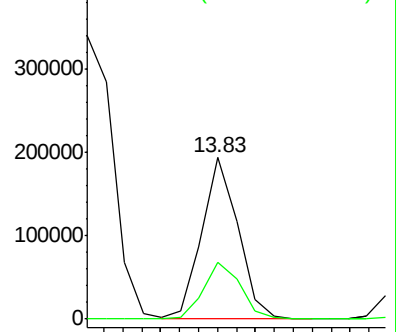
#79
 2-Chlorotoluene
 Concen: 19.530 ug/l
 RT: 13.83 min Scan# 1260
 Delta R.T. -0.03 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampled :

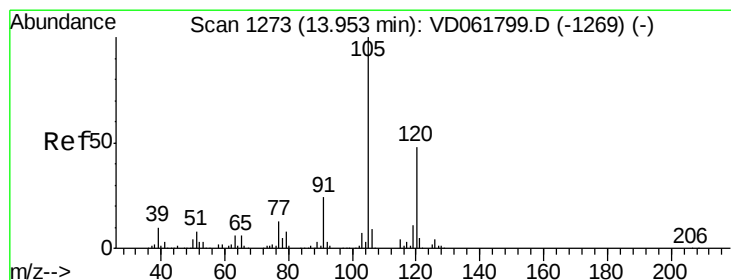
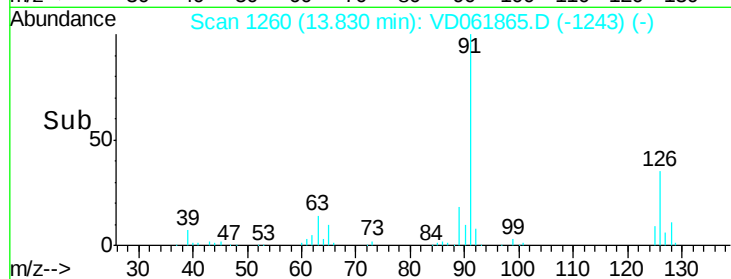
Tot Ion: 91 Resp: 257562
 Ion Ratio Lower Upper
 91 100
 126 35.0 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)
 Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)

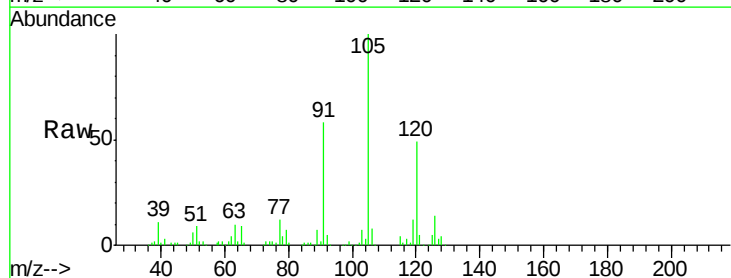


Time-->

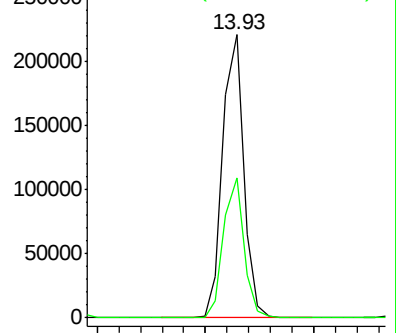


#80
 1,3,5-Trimethylbenzene
 Concen: 19.299 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

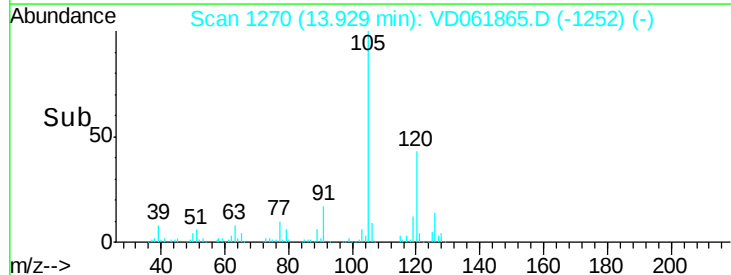
Tgt Ion:105 Resp: 299214
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.0 72.0

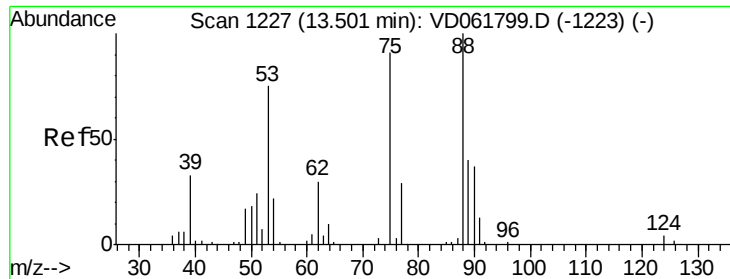


Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)
 Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.657 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

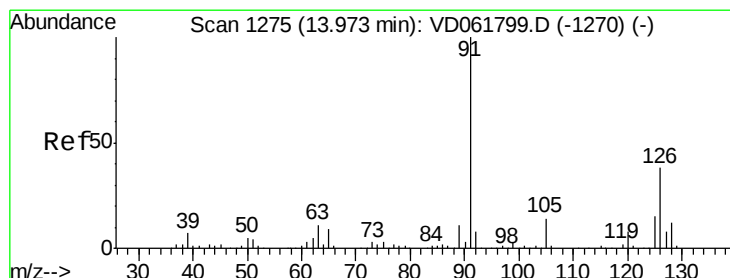
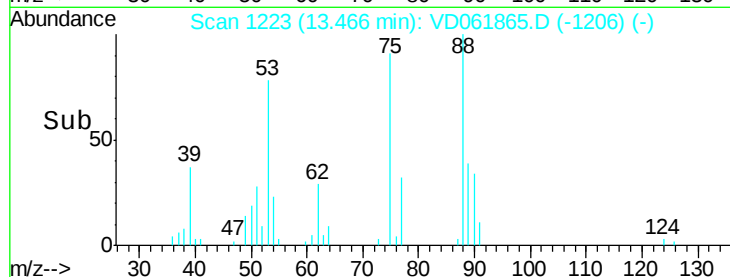
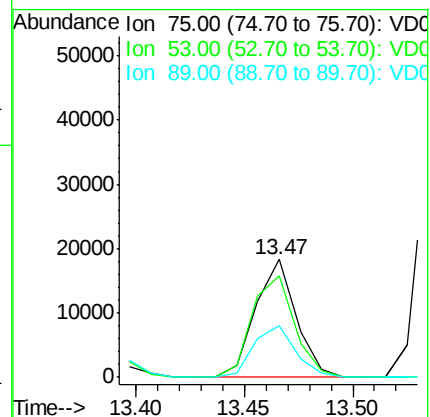
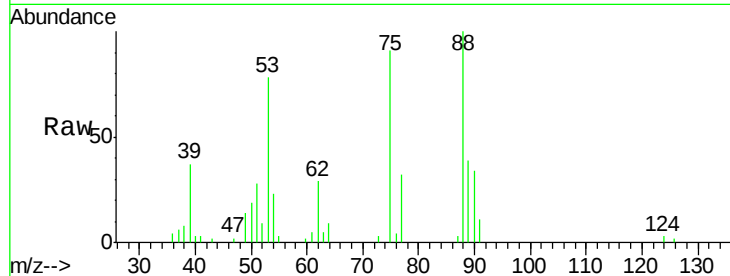
Tot Ion: 75 Resp: 23814

Ion Ratio Lower Upper

75 100

53 86.0 65.8 98.8

89 43.3 35.0 52.6



#82

4-Chlorotoluene

Concen: 19.670 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.03 min

Lab File: VD061865.D

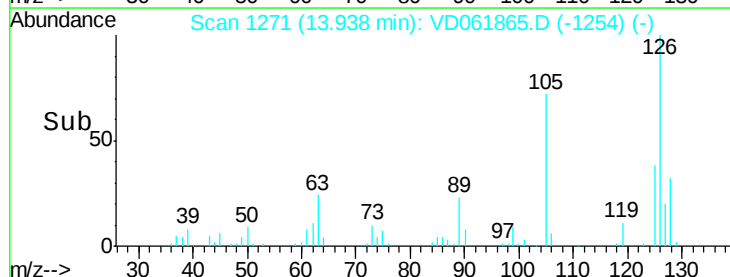
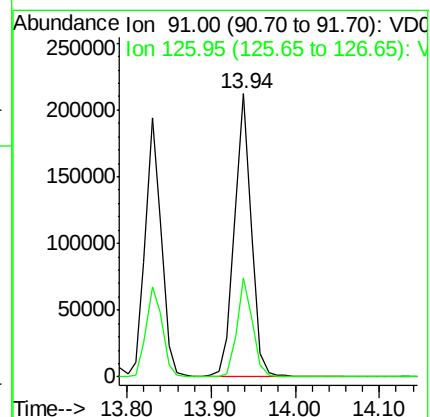
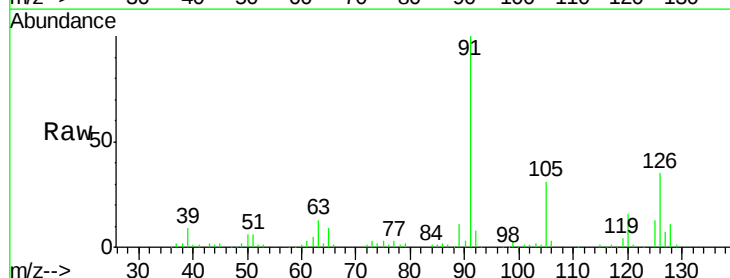
Acq: 17 Apr 2019 21:05

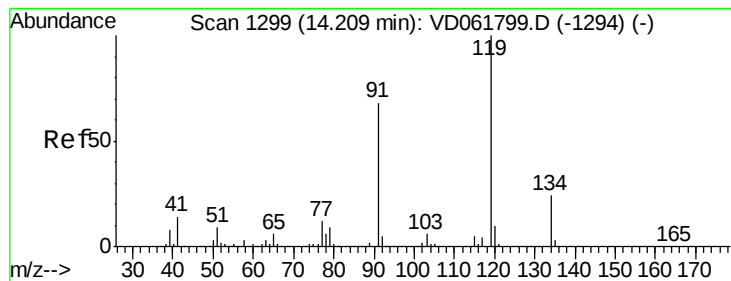
Tgt Ion: 91 Resp: 296926

Ion Ratio Lower Upper

91 100

126 34.9 19.1 57.5





#83

tert-Butylbenzene

Concen: 19.056 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.02 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampled :

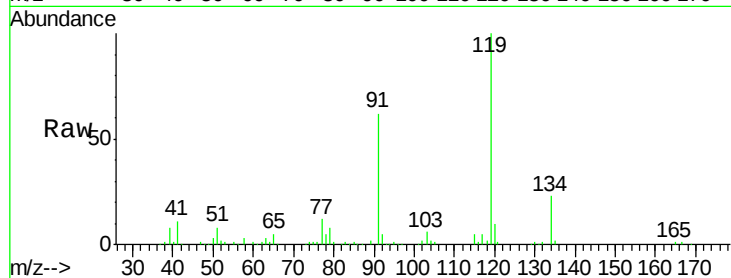
Tot Ion:119 Resp: 346919

Ion Ratio Lower Upper

119 100

91 62.0 34.2 102.6

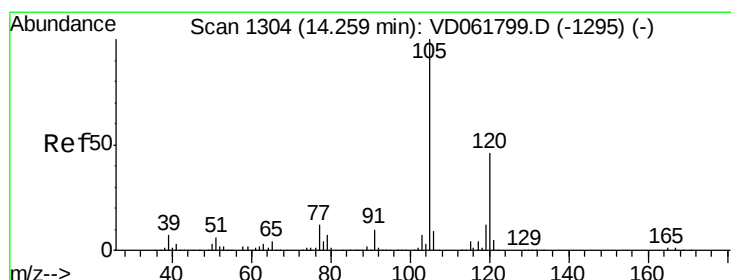
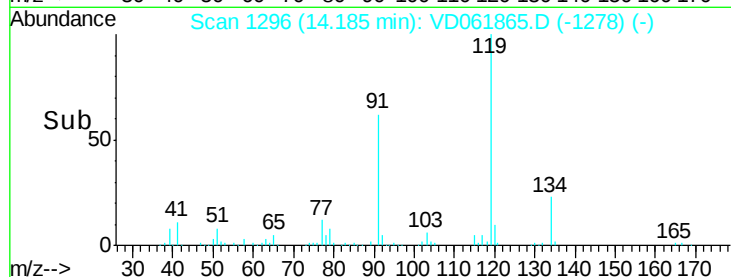
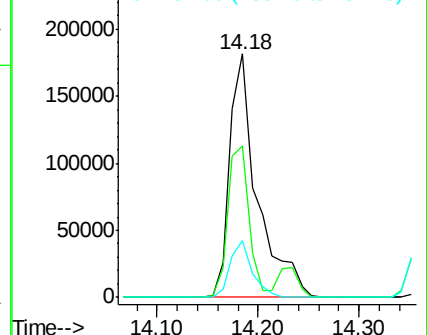
134 23.1 12.0 36.0



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.800 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.02 min

Lab File: VD061865.D

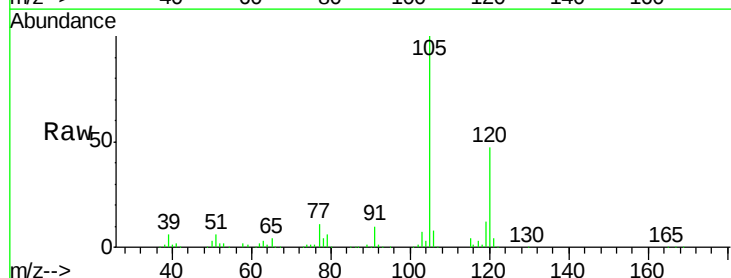
Acq: 17 Apr 2019 21:05

Tgt Ion:105 Resp: 324160

Ion Ratio Lower Upper

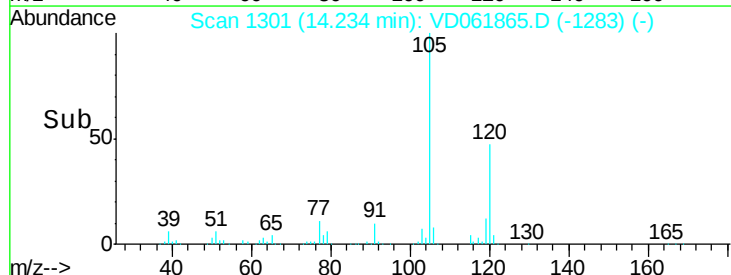
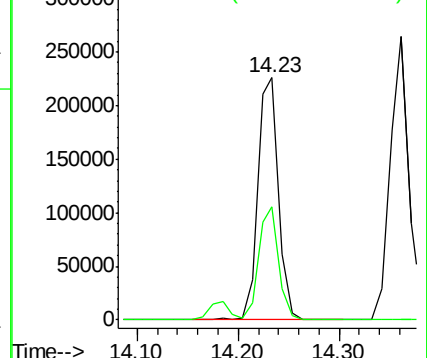
105 100

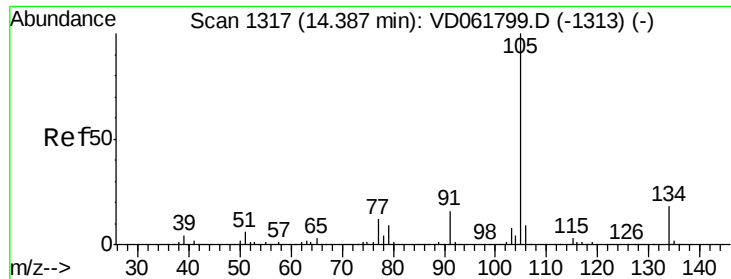
120 46.7 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

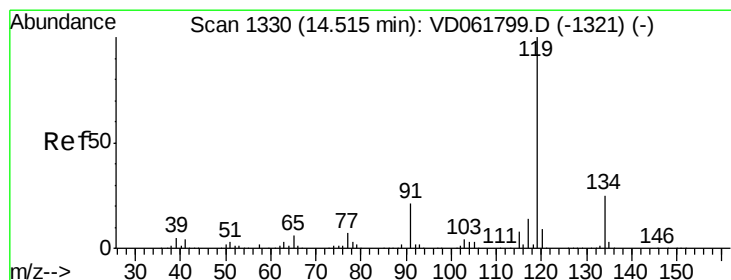
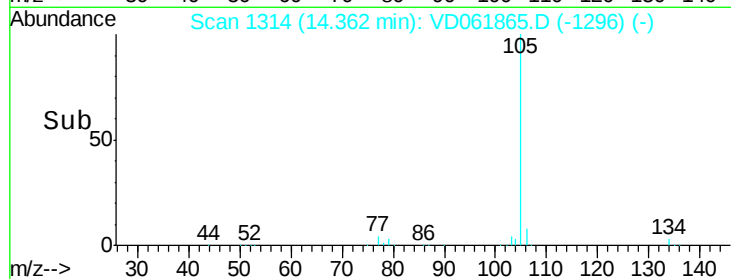
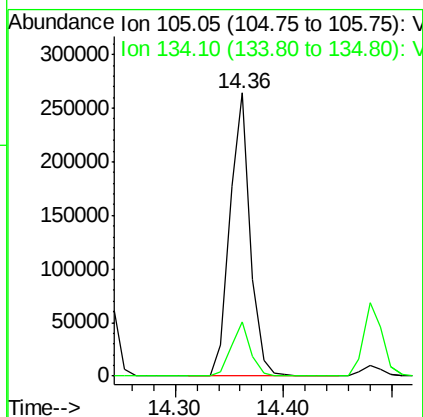
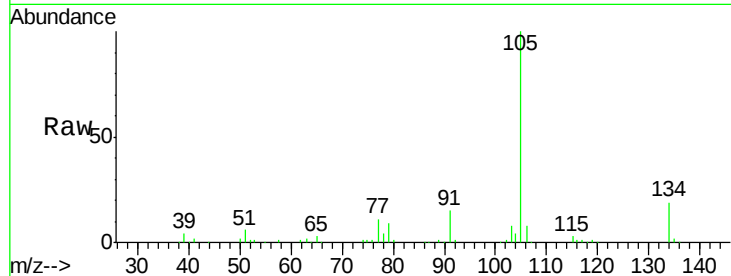




#85
 sec-Butylbenzene
 Concen: 18.273 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

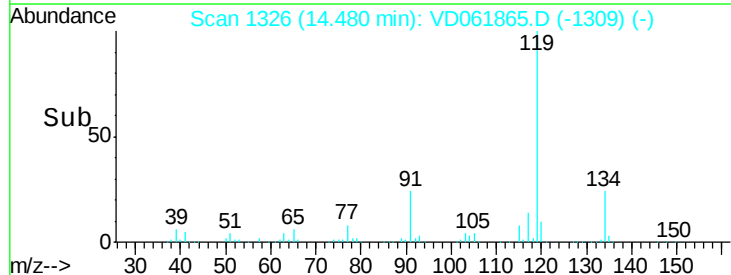
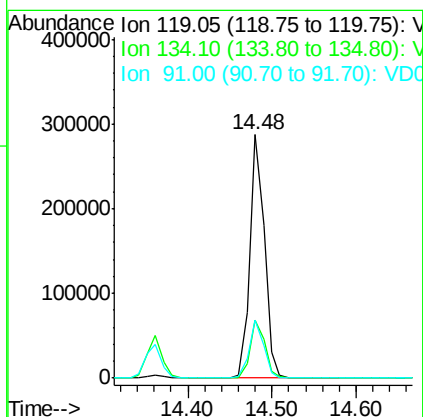
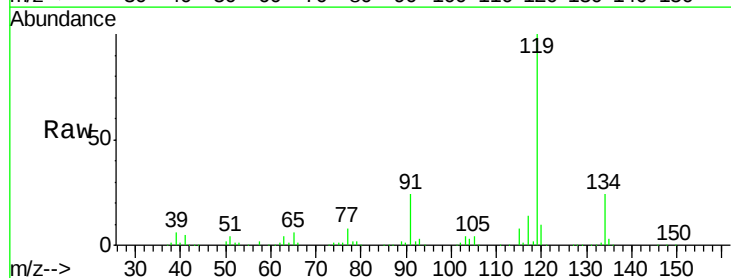
Instrument :
 MSVOA_D
 ClientSampleID :

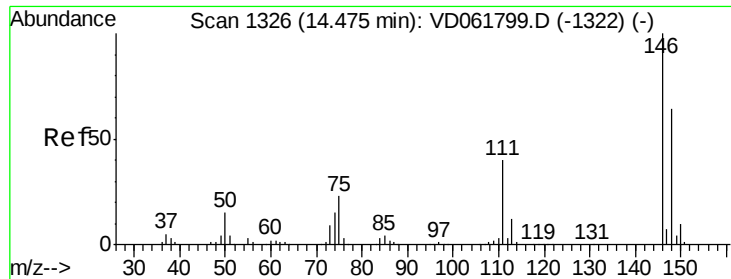
Tot Ion:105 Resp: 343895
 Ion Ratio Lower Upper
 105 100
 134 19.2 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.715 ug/l
 RT: 14.48 min Scan# 1326
 Delta R.T. -0.03 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion:119 Resp: 347152
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.8 38.3
 91 24.0 10.7 32.1

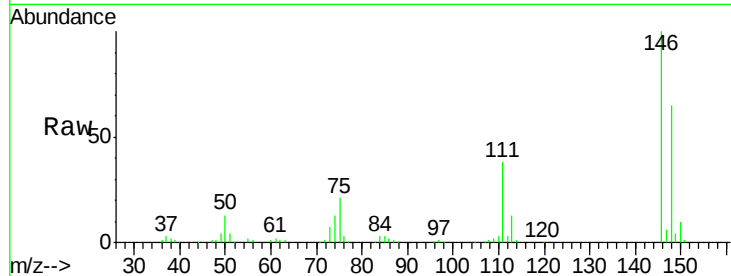




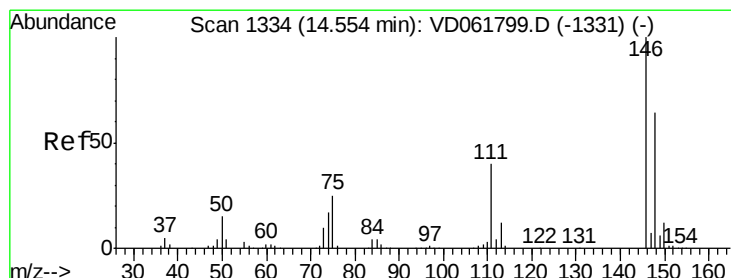
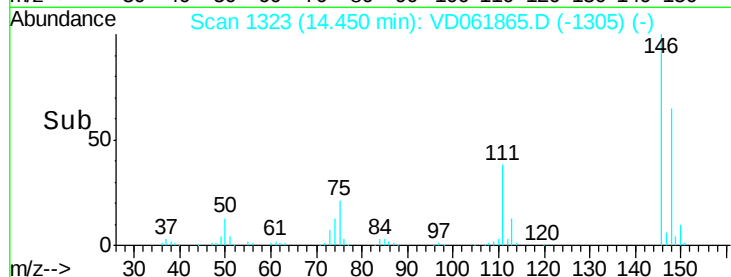
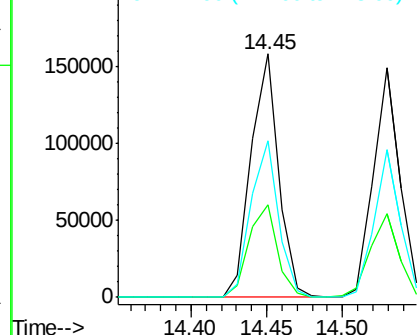
#87
 1,3-Dichlorobenzene
 Concen: 20.827 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 201814
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.0 60.0
 148 64.6 31.8 95.4

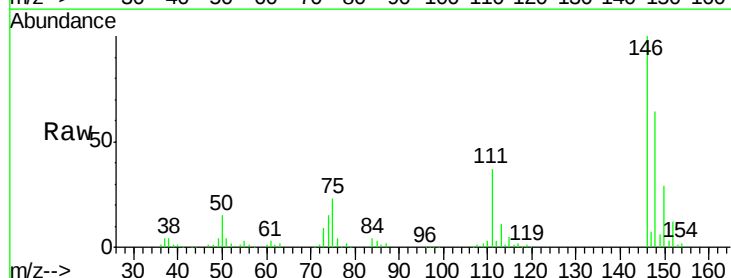


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

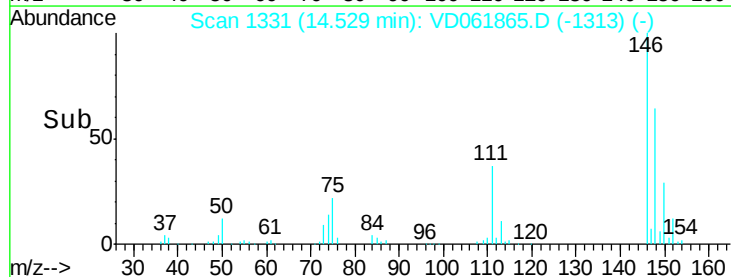
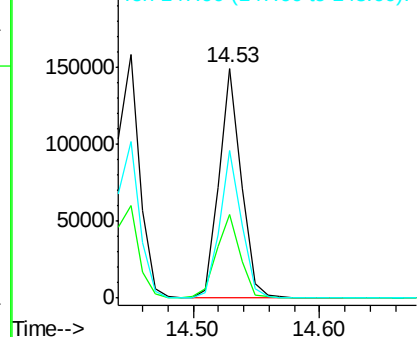


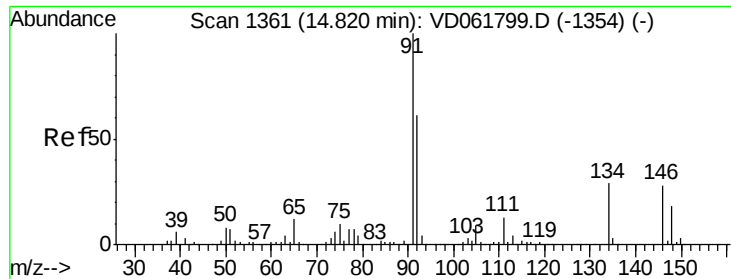
#88
 1,4-Dichlorobenzene
 Concen: 19.137 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion:146 Resp: 183302
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.2 60.5
 148 64.2 32.0 96.2



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





#89

n-Butylbenzene

Concen: 18.774 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD061865.D

Acq: 17 Apr 2019 21:05

Instrument :

MSVOA_D

ClientSampleId :

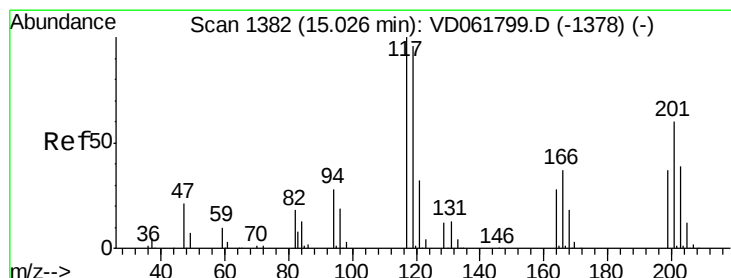
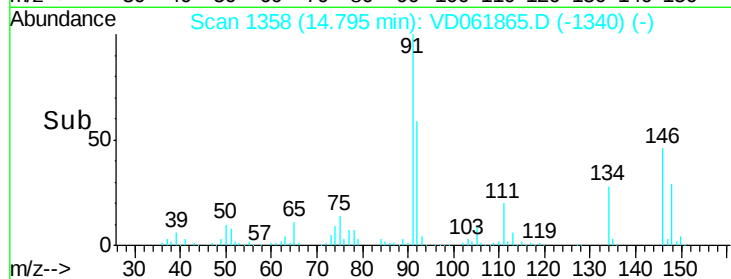
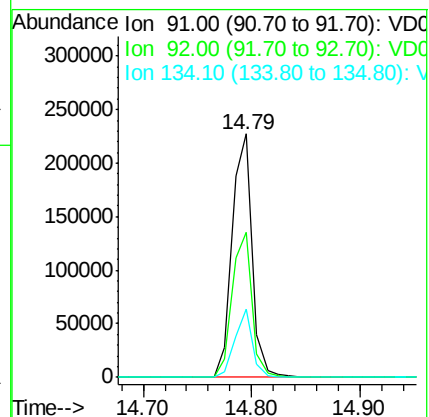
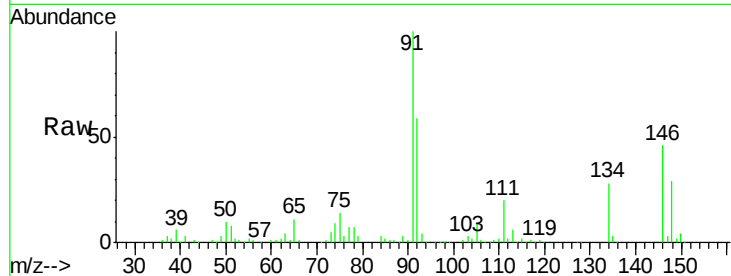
Tot Ion: 91 Resp: 292626

Ion Ratio Lower Upper

91 100

92 59.4 30.3 91.0

134 27.9 14.5 43.6



#90

Hexachloroethane

Concen: 17.924 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.02 min

Lab File: VD061865.D

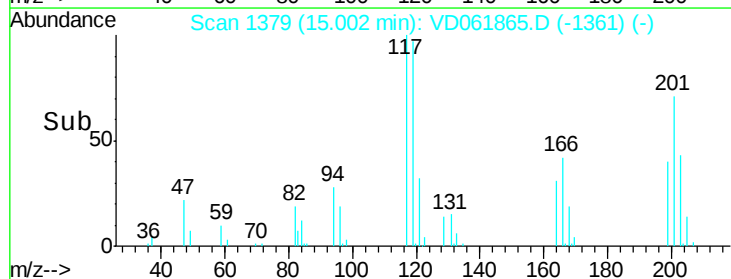
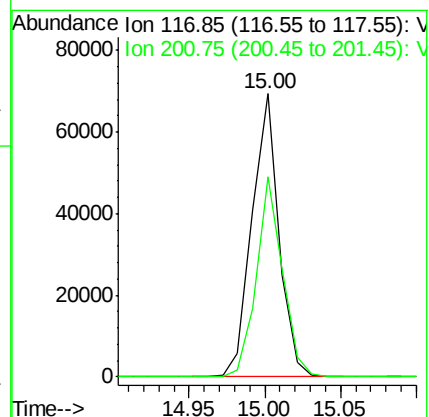
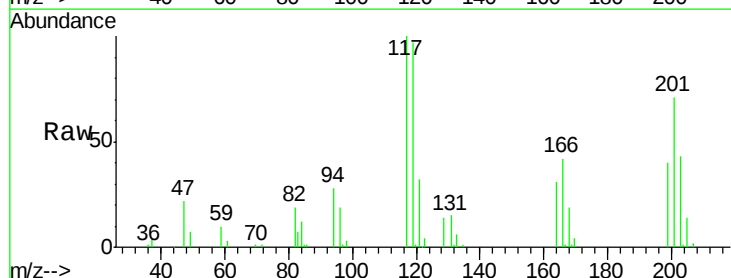
Acq: 17 Apr 2019 21:05

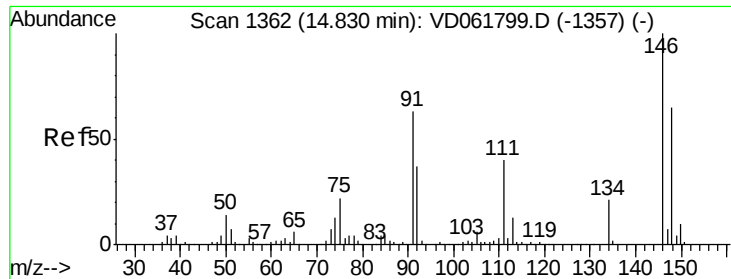
Tgt Ion: 117 Resp: 86024

Ion Ratio Lower Upper

117 100

201 70.5 30.2 90.6

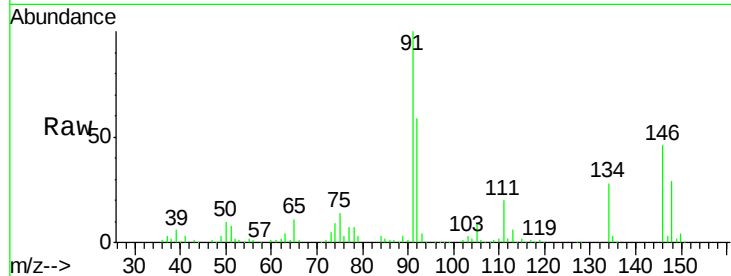




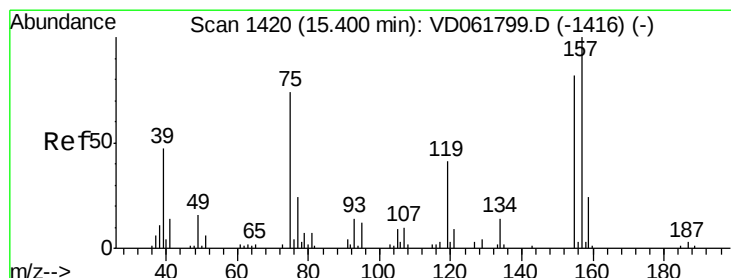
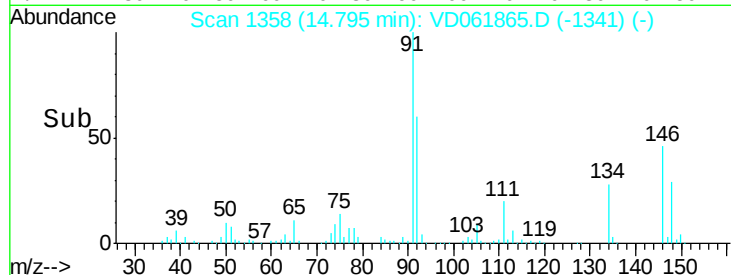
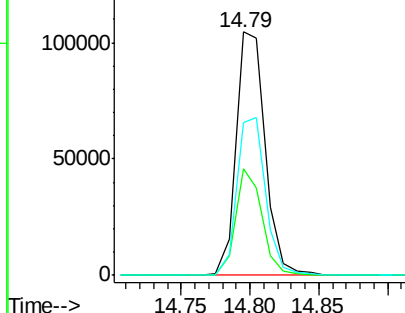
#91
 1,2-Dichlorobenzene
 Concen: 18.944 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 153760
 Ion Ratio Lower Upper
 146 100
 111 43.8 20.0 59.9
 148 62.6 32.3 96.8

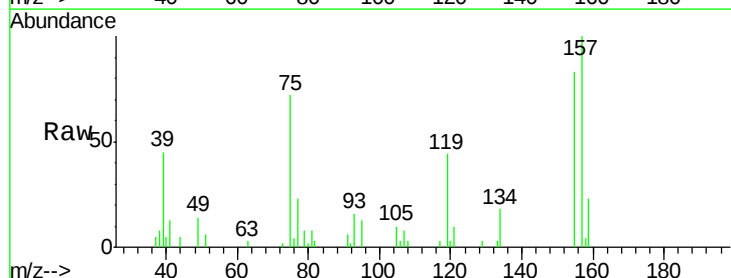


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

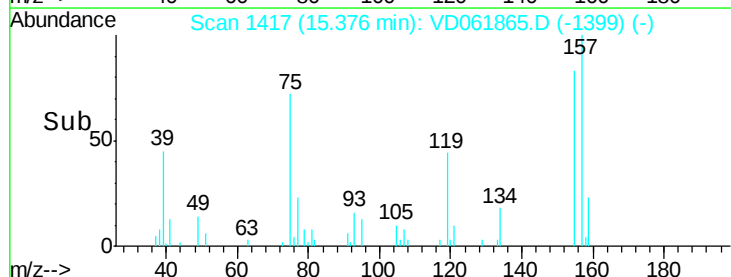
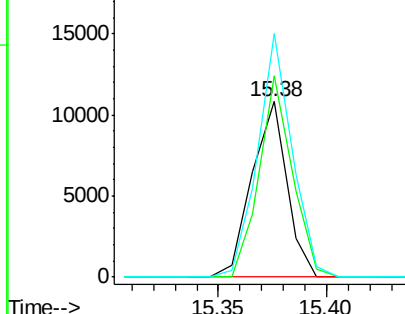


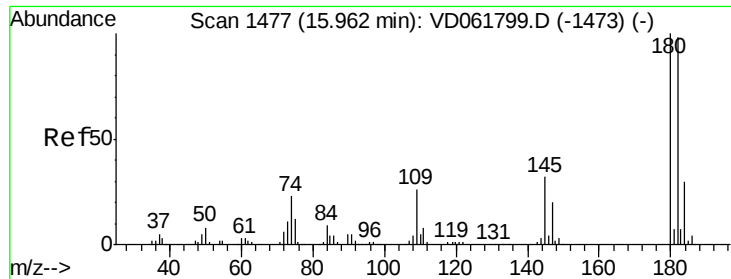
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.459 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion: 75 Resp: 12069
 Ion Ratio Lower Upper
 75 100
 155 114.5 55.3 165.8
 157 138.8 67.8 203.2



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

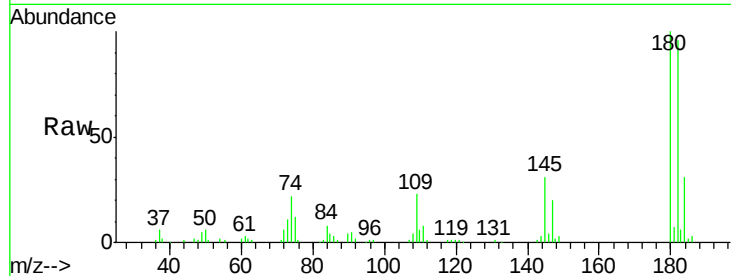




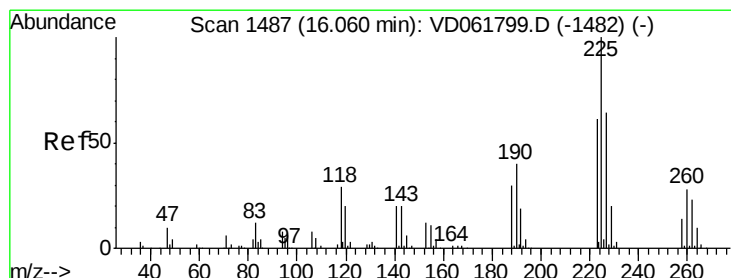
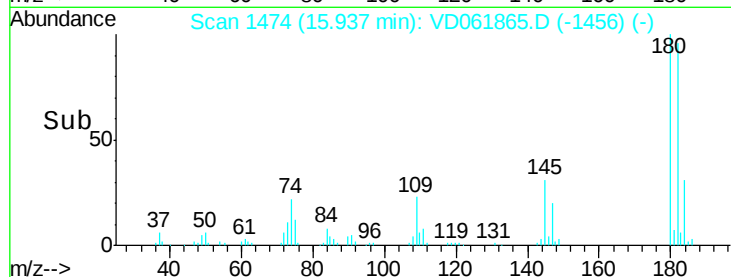
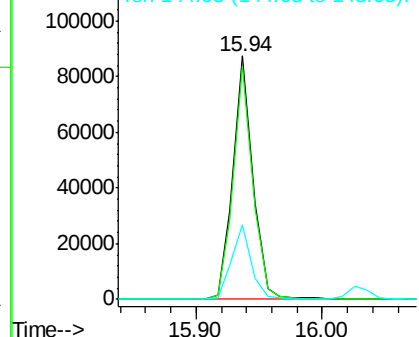
#93
 1,2,4-Trichlorobenzene
 Concen: 21.363 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 95234
 Ion Ratio Lower Upper
 180 100
 182 95.7 49.3 147.8
 145 30.6 16.2 48.6

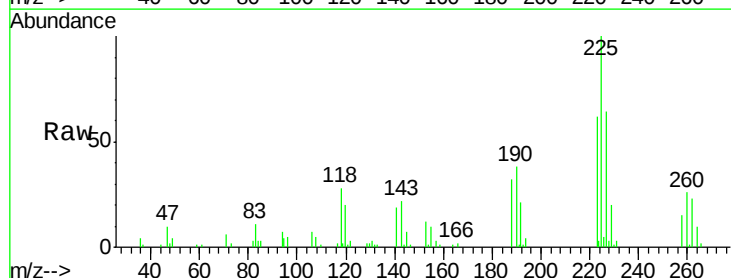


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

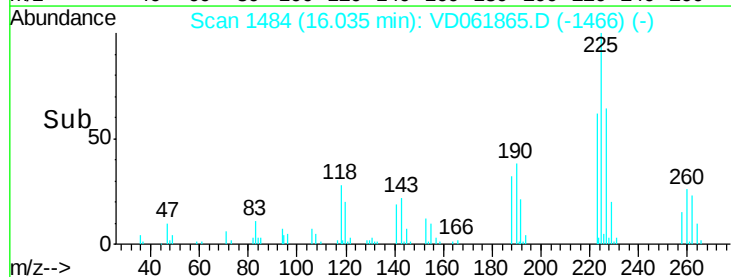
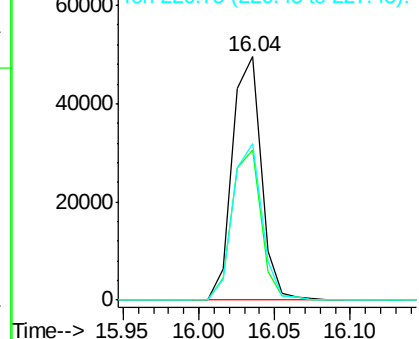


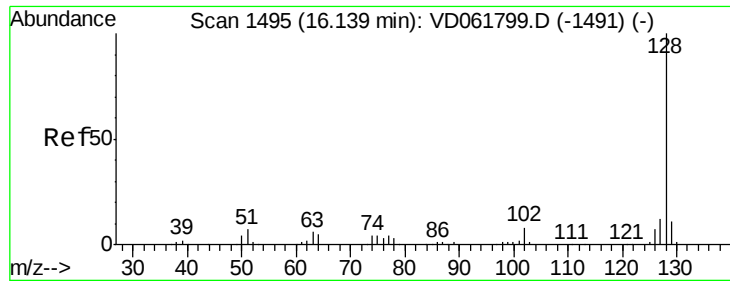
#94
 Hexachlorobutadiene
 Concen: 20.370 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: VD061865.D
 Acq: 17 Apr 2019 21:05

Tgt Ion:225 Resp: 65808
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.6 92.0
 227 64.2 32.0 96.2



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

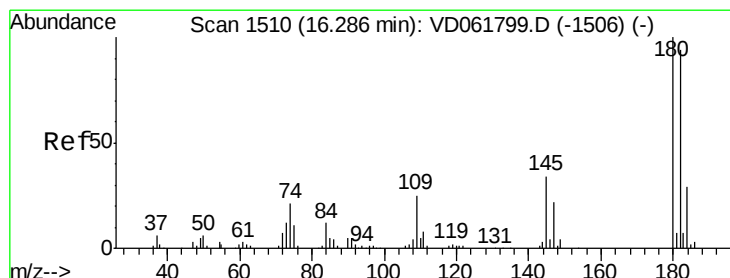
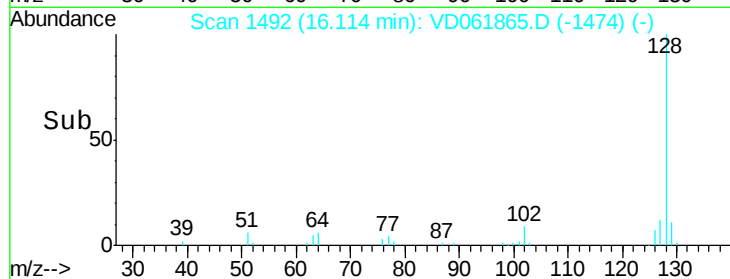
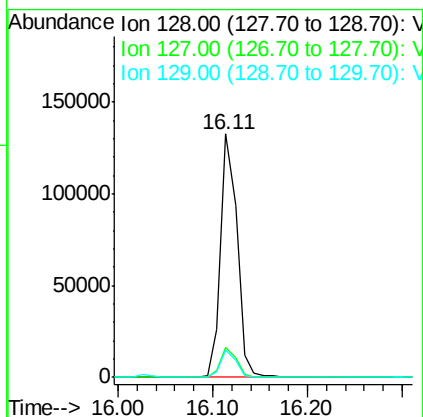
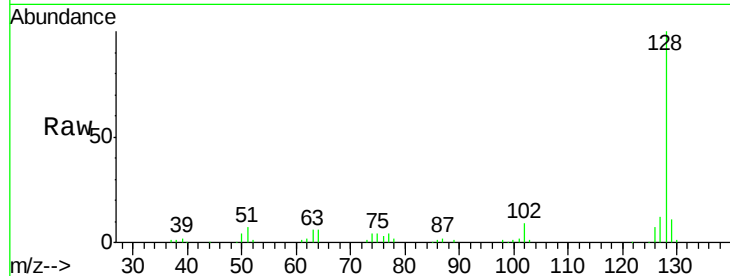




#95
Naphthalene
Concen: 23.494 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.02 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 160533
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.596 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.02 min
Lab File: VD061865.D
Acq: 17 Apr 2019 21:05

Tgt Ion:180 Resp: 57404
Ion Ratio Lower Upper
180 100
182 98.7 47.0 141.0
145 34.7 17.0 51.0

