

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061615.D
 Acq On : 5 Apr 2019 11:27
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 05 11:53:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	644426	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1098501	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.34	117	864288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	406294	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	312824	56.83	ug/l	0.00
Spiked Amount			Recovery	=	113.66%	
35) Dibromofluoromethane	6.90	113	455424	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
50) Toluene-d8	10.39	98	1099563	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
62) 4-Bromofluorobenzene	13.55	95	435630	56.42	ug/l	0.00
Spiked Amount			Recovery	=	112.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	314981	45.768	ug/l	100
3) Chloromethane	1.76	50	237504	42.315	ug/l	97
4) Vinyl Chloride	1.86	62	248375	48.195	ug/l	99
5) Bromomethane	2.16	94	45876	44.891	ug/l	100
6) Chloroethane	2.26	64	81961	54.232	ug/l	93
7) Trichlorofluoromethane	2.53	101	387480	51.706	ug/l	99
8) Diethyl Ether	2.86	74	120785	50.060	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	376666	46.752	ug/l	96
10) Methyl Iodide	3.31	142	550061	45.263	ug/l	100
11) Tert butyl alcohol	4.04	59	83556	243.724	ug/l	96
12) 1,1-Dichloroethene	3.13	96	321404	46.466	ug/l	95
13) Acrolein	3.03	56	57357	216.515	ug/l	97
14) Allyl chloride	3.61	41	476327	49.372	ug/l	99
15) Acrylonitrile	4.18	53	292936	246.186	ug/l	99
16) Acetone	3.21	43	421619	297.935	ug/l	95
17) Carbon Disulfide	3.38	76	887917	39.509	ug/l	100
18) Methyl Acetate	3.63	43	148002	49.742	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	585608	48.909	ug/l	97
20) Methylene Chloride	3.81	84	387083	48.781	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	352932	47.260	ug/l	96
22) Diisopropyl ether	5.10	45	998721	48.919	ug/l	97
23) Vinyl Acetate	5.04	43	2540880	229.118	ug/l	97
24) 1,1-Dichloroethane	4.96	63	591690	49.315	ug/l	99
25) 2-Butanone	6.04	43	464436	260.902	ug/l	98
26) 2,2-Dichloropropane	6.00	77	506008	53.052	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	393852	48.136	ug/l	96
28) Bromochloromethane	6.42	49	251793	51.988	ug/l #	95
29) Tetrahydrofuran	6.44	42	219525	254.429	ug/l	100
30) Chloroform	6.64	83	652721	52.649	ug/l	98
31) Cyclohexane	6.93	56	449188	47.375	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	546717	49.986	ug/l	96
36) 1,1-Dichloropropene	7.13	75	468597	48.876	ug/l	98
37) Ethyl Acetate	6.16	43	217476	53.039	ug/l	100
38) Carbon Tetrachloride	7.10	117	597706	54.253	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	442048	44.270	ug/l	99
40) Benzene	7.43	78	1189295	49.427	ug/l	98
41) Methacrylonitrile	6.43	41	243923	50.878	ug/l	98
42) 1,2-Dichloroethane	7.55	62	364962	50.707	ug/l	98
43) Isopropyl Acetate	9.21	43	283893	47.586	ug/l	100
44) Trichloroethene	8.51	130	453023	50.591	ug/l	98
45) 1,2-Dichloropropane	8.92	63	297434	48.749	ug/l	99
46) Dibromomethane	9.04	93	207251	50.467	ug/l	93
47) Bromodichloromethane	9.35	83	471853	51.192	ug/l	99
48) Methyl methacrylate	9.10	41	157940	47.970	ug/l	98
49) 1,4-Dioxane	9.06	88	37929	1044.416	ug/l	87
51) 4-Methyl-2-Pentanone	10.28	43	911105	251.021	ug/l	98
52) Toluene	10.48	92	768544	52.355	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	412834	49.297	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	525739	51.558	ug/l	97
55) 1,1,2-Trichloroethane	11.16	97	262887	51.208	ug/l	99
56) Ethyl methacrylate	11.02	69	272071	49.333	ug/l	94
57) 1,3-Dichloropropane	11.39	76	379743	50.326	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	754894	281.070	ug/l	97
59) 2-Hexanone	11.51	43	682009	259.343	ug/l	99
60) Dibromochloromethane	11.67	129	408135	51.570	ug/l	100
61) 1,2-Dibromoethane	11.78	107	292816	49.257	ug/l	98
64) Tetrachloroethene	11.24	164	314207	46.322	ug/l	96
65) Chlorobenzene	12.38	112	832285	47.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.49	131	349945	51.169	ug/l	100
67) Ethyl Benzene	12.51	91	1334521	49.499	ug/l	99
68) m/p-Xylenes	12.66	106	988446	96.786	ug/l	99
69) o-Xylene	13.03	106	526233	53.098	ug/l	99
70) Styrene	13.05	104	881693	51.035	ug/l	95
71) Bromoform	13.22	173	229157	52.859	ug/l	99
73) Isopropylbenzene	13.39	105	1349218	47.713	ug/l	98
74) N-amyl acetate	13.25	43	383329	48.662	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.68	83	284614	47.713	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	280709	47.829	ug/l	99
77) Bromobenzene	13.65	156	372068	44.383	ug/l	91
78) n-propylbenzene	13.76	91	1557446	45.006	ug/l	98
79) 2-Chlorotoluene	13.83	91	921962	49.067	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1129991	51.503	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	89463	49.994	ug/l	94
82) 4-Chlorotoluene	13.93	91	1044851	51.141	ug/l	87
83) tert-Butylbenzene	14.18	119	1267446	46.225	ug/l	99
84) 1,2,4-Trimethylbenzene	14.22	105	1125265	47.373	ug/l	99
85) sec-Butylbenzene	14.35	105	1346067	46.211	ug/l	99
86) p-Isopropyltoluene	14.48	119	1240287	50.355	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	680892	47.964	ug/l	98
88) 1,4-Dichlorobenzene	14.52	146	630310	45.530	ug/l	94
89) n-Butylbenzene	14.79	91	1138898	50.377	ug/l	99
90) Hexachloroethane	14.99	117	332226	47.744	ug/l	76
91) 1,2-Dichlorobenzene	14.80	146	575288	49.406	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	36610	52.328	ug/l	90

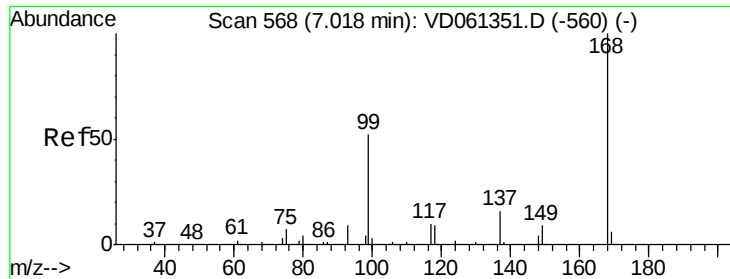
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	276808	52.185	ug/l	96
94) Hexachlorobutadiene	16.03	225	194661	46.963	ug/l	97
95) Naphthalene	16.11	128	395677	48.938	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	119177	51.058	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. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

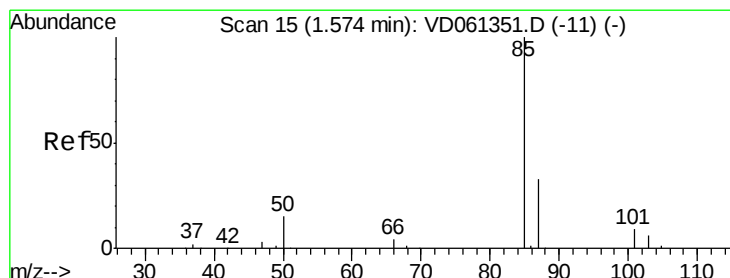
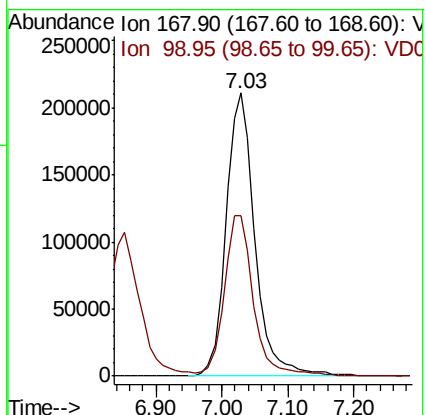
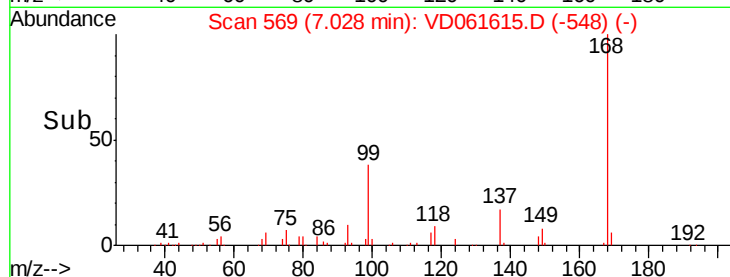
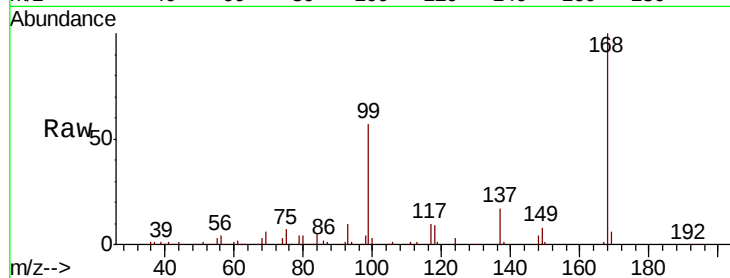
VSTDCCC050

Tot Ion:168 Resp: 644426

Ion Ratio Lower Upper

168 100

99 56.6 43.1 64.7



#2

Dichlorodifluoromethane

Concen: 45.768 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061615.D

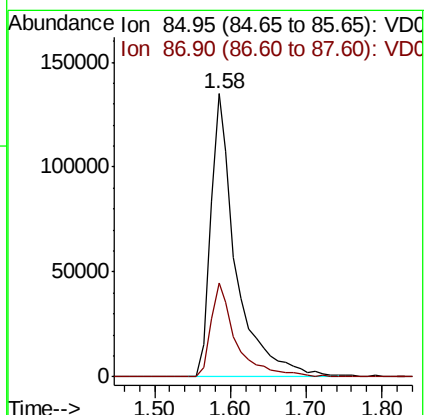
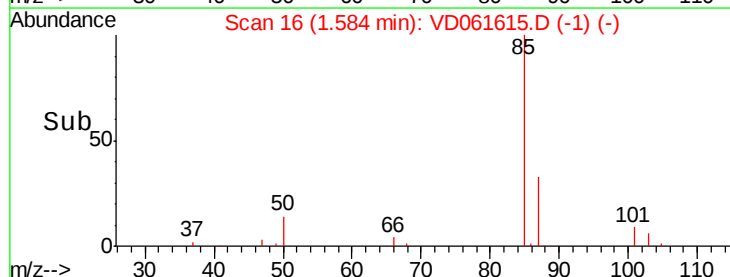
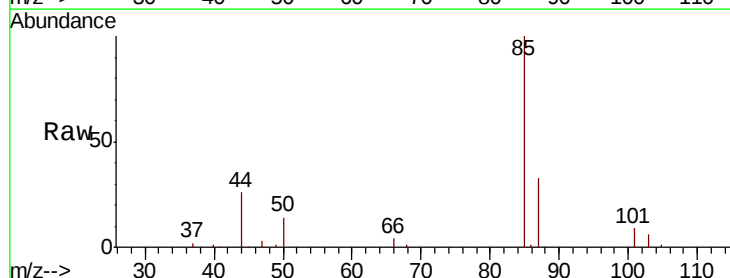
Acq: 5 Apr 2019 11:27

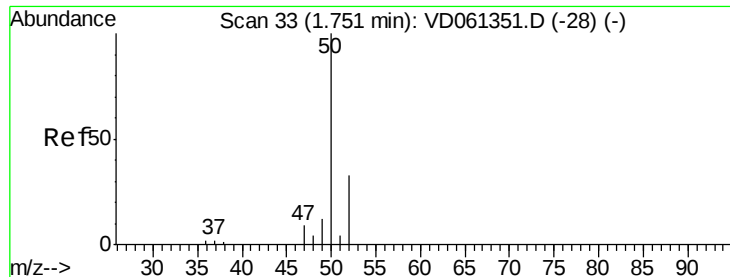
Tgt Ion: 85 Resp: 314981

Ion Ratio Lower Upper

85 100

87 33.3 16.6 49.7





#3

Chloromethane

Concen: 42.315 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

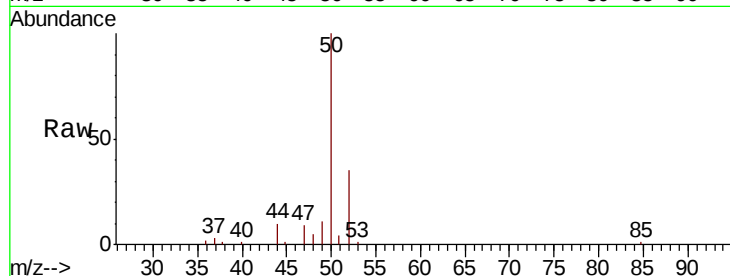
VSTDCCC050

Tot Ion: 50 Resp: 237504

Ion Ratio Lower Upper

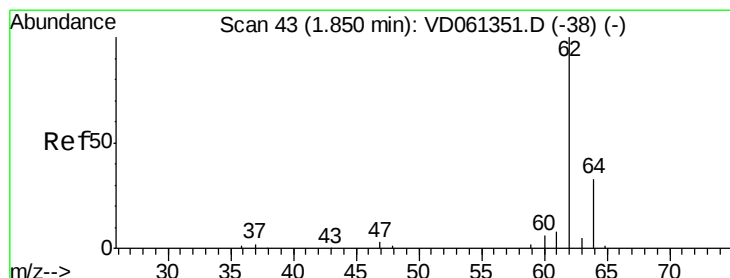
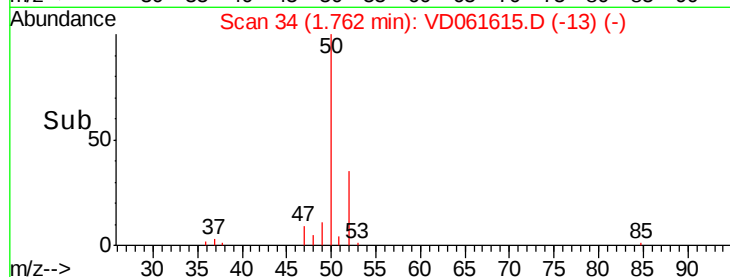
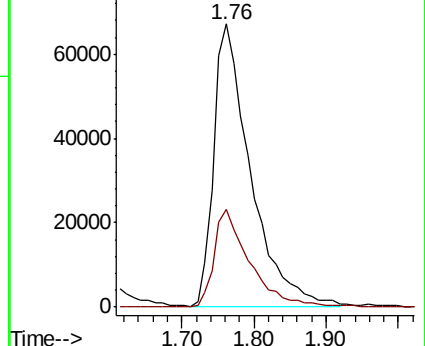
50 100

52 34.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.195 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061615.D

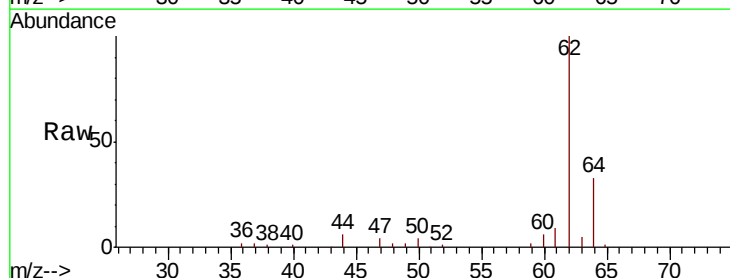
Acq: 5 Apr 2019 11:27

Tgt Ion: 62 Resp: 248375

Ion Ratio Lower Upper

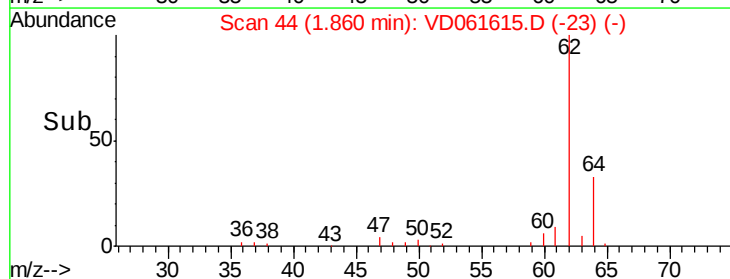
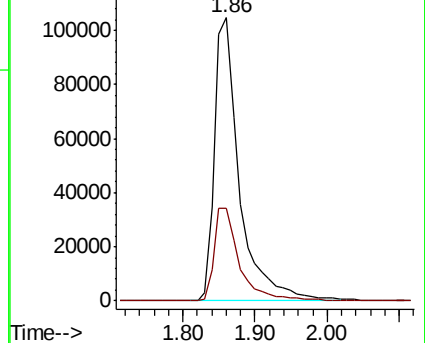
62 100

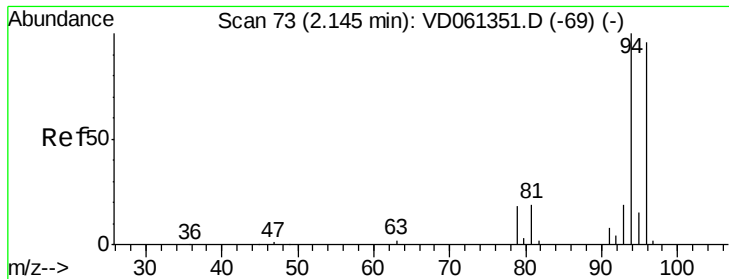
64 32.5 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.891 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

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ClientSampleId :

VSTDCCC050

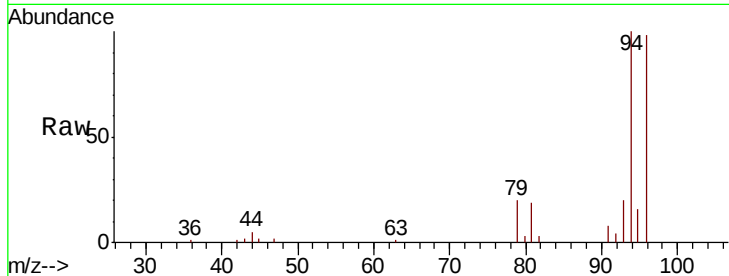
Tot Ion: 94 Resp: 45876

Ion Ratio Lower Upper

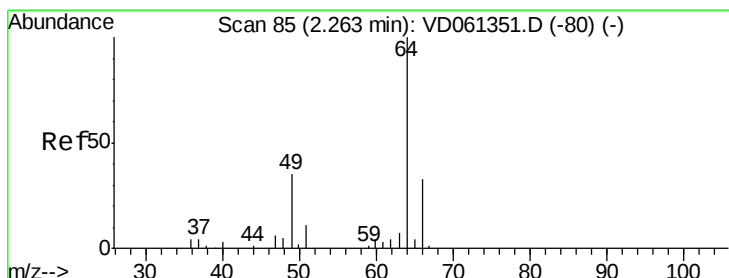
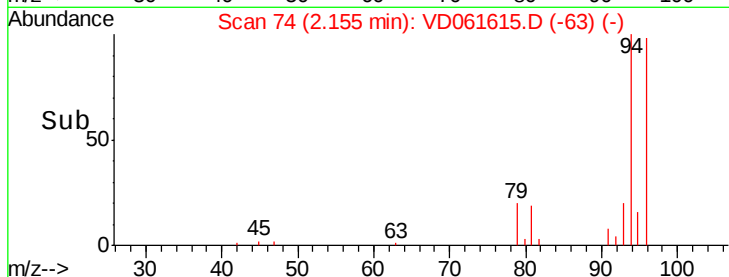
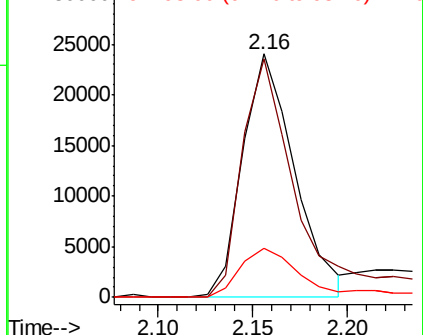
94 100

96 97.7 78.3 117.5

93 20.4 15.6 23.4



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: 54.232 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VD061615.D

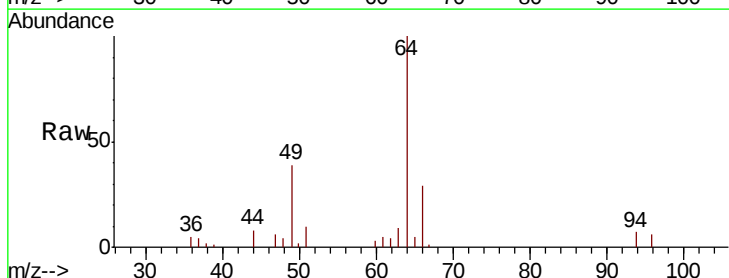
Acq: 5 Apr 2019 11:27

Tgt Ion: 64 Resp: 81961

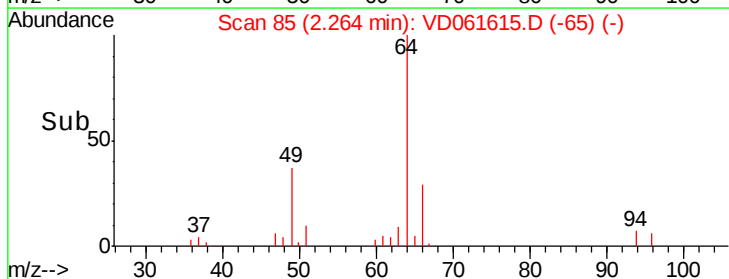
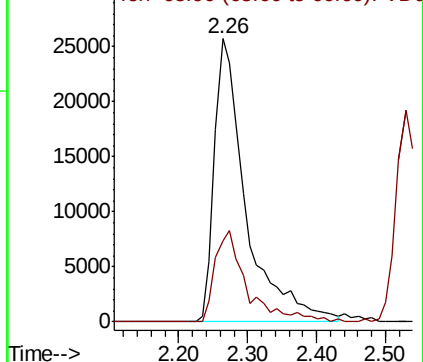
Ion Ratio Lower Upper

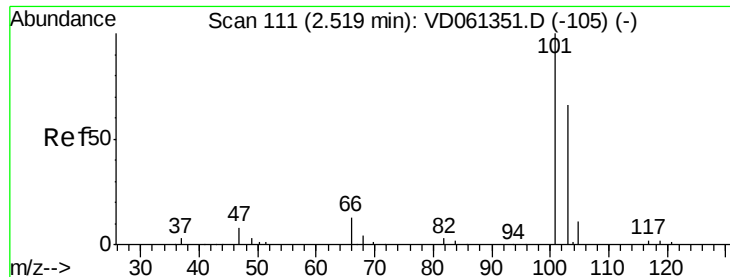
64 100

66 28.6 26.2 39.2



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



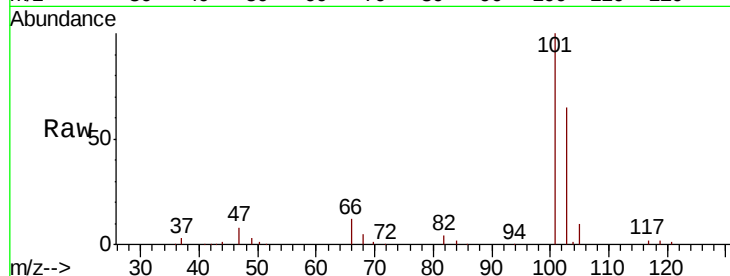


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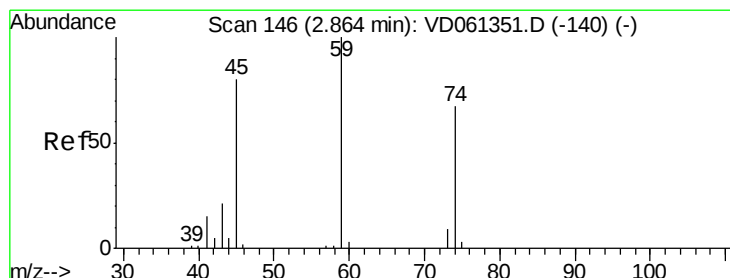
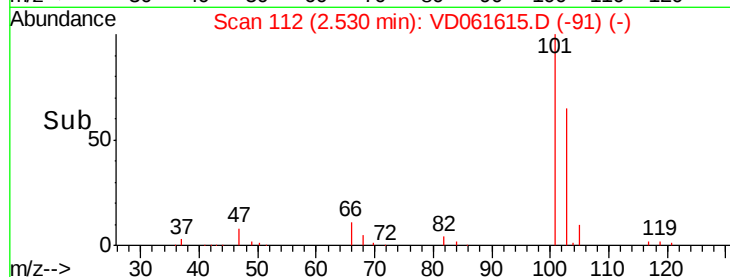
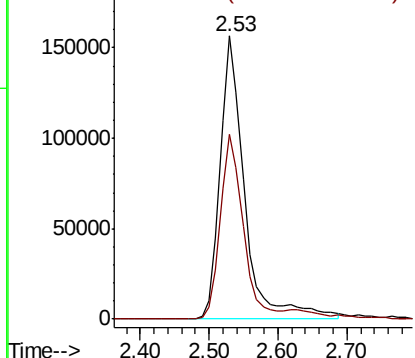
Trichlorofluoromethane
 Concen: 51.706 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Instrument :
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 VSTDCCC050

Tot Ion:101 Resp: 387480
 Ion Ratio Lower Upper
 101 100
 103 65.3 53.1 79.7



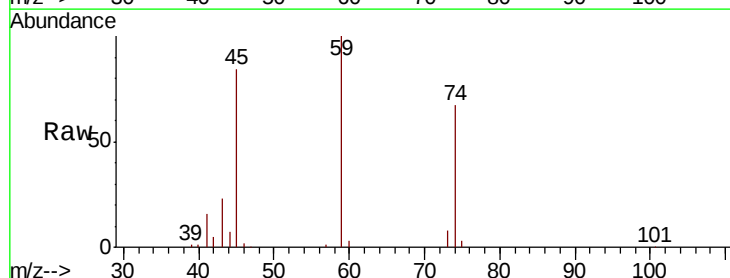
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



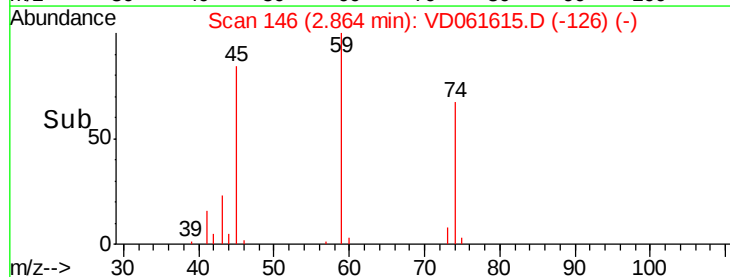
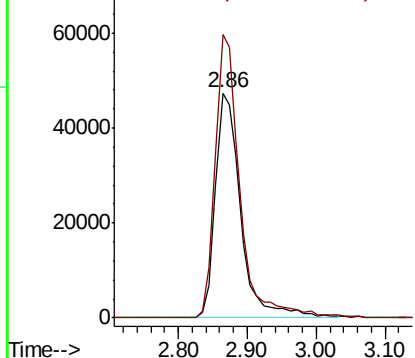
#8

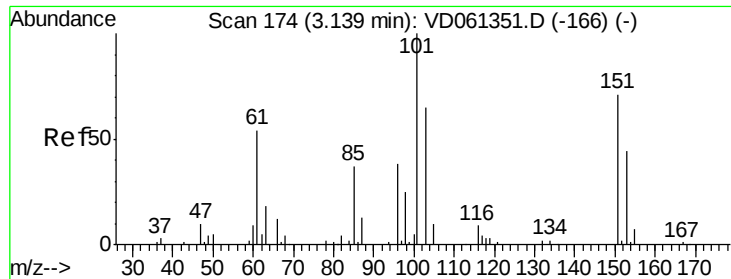
Diethyl Ether
 Concen: 50.060 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Tgt Ion: 74 Resp: 120785
 Ion Ratio Lower Upper
 74 100
 45 125.8 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.752 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

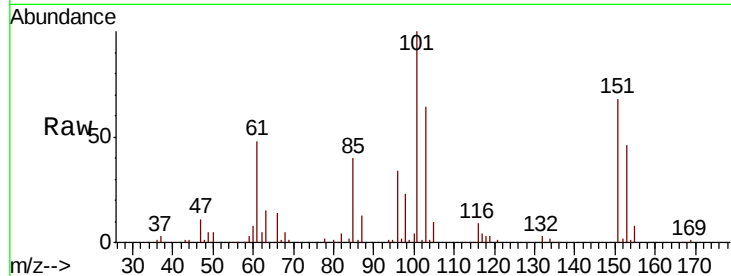
Tot Ion:101 Resp: 376666

Ion Ratio Lower Upper

101 100

85 39.9 29.4 44.0

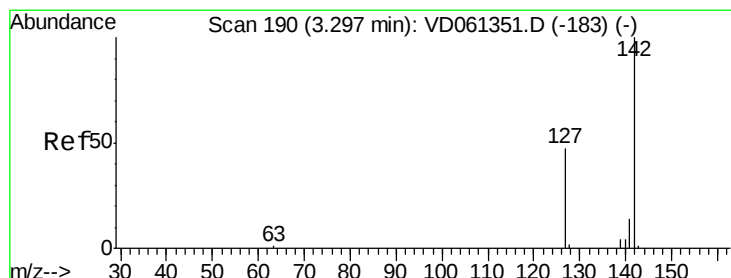
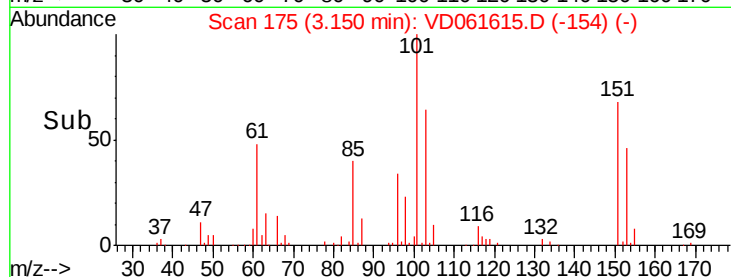
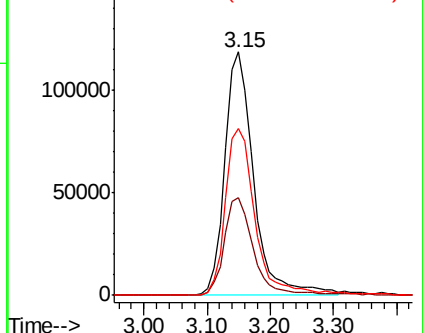
151 68.4 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 45.263 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

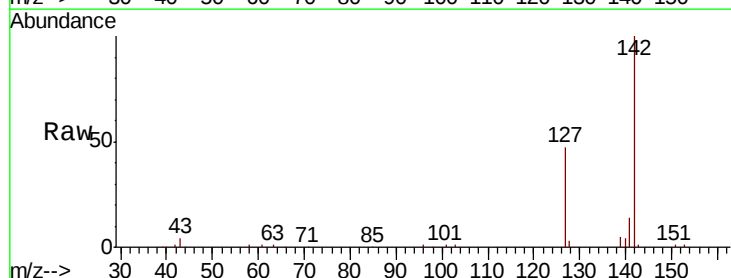
Tgt Ion:142 Resp: 550061

Ion Ratio Lower Upper

142 100

127 47.3 37.7 56.5

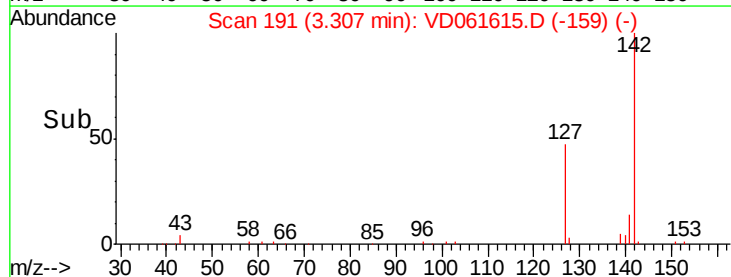
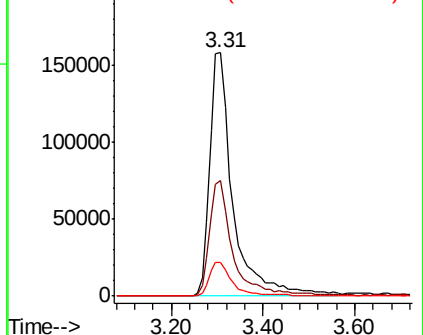
141 13.9 11.5 17.3

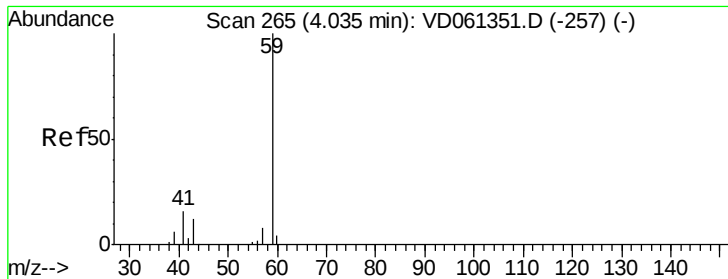


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

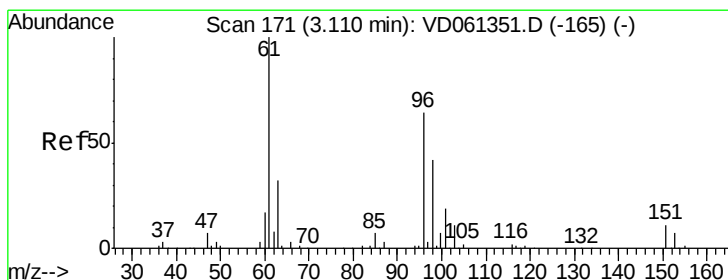
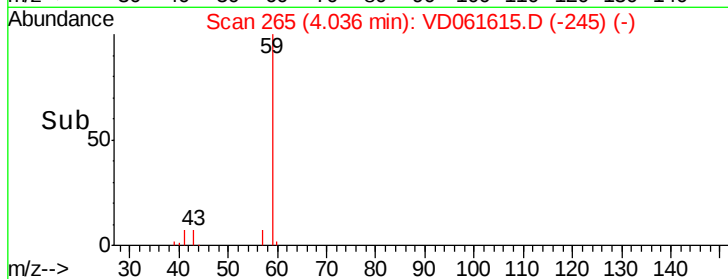
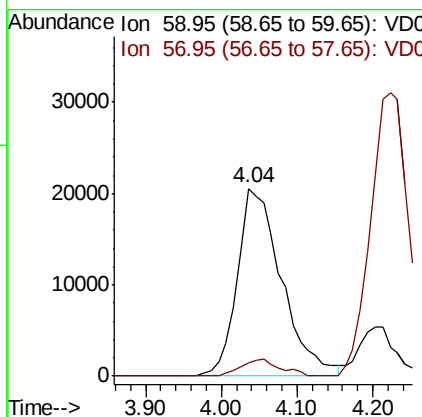
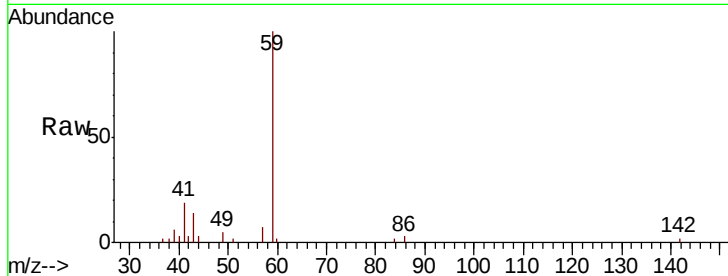




#11
Tert butyl alcohol
Concen: 243.724 ug/l
RT: 4.04 min Scan# 265
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

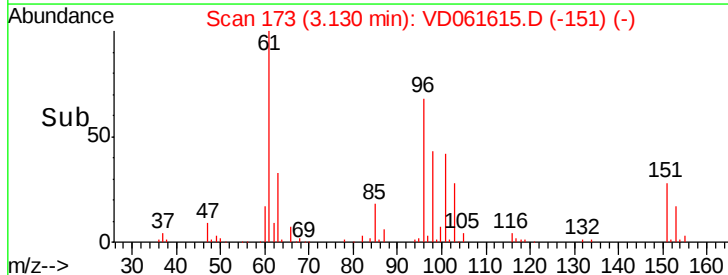
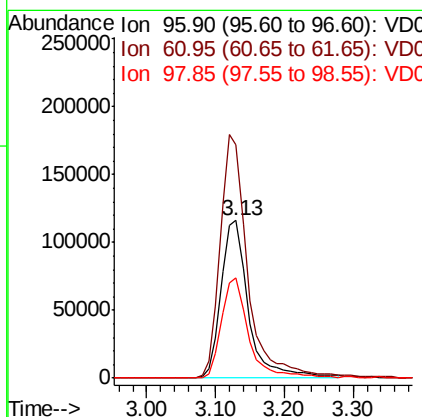
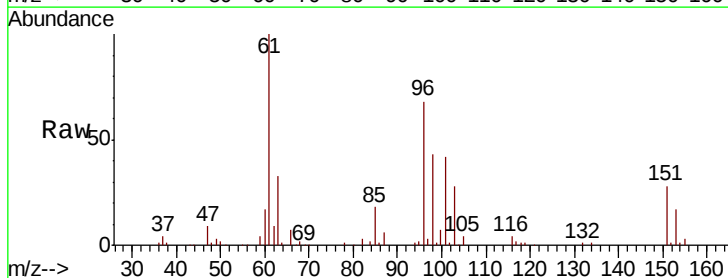
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

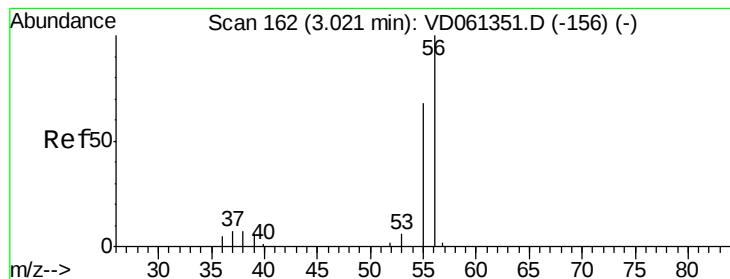
Tot Ion: 59 Resp: 83556
Ion Ratio Lower Upper
59 100
57 7.1 6.7 10.1



#12
1,1-Dichloroethene
Concen: 46.466 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion: 96 Resp: 321404
Ion Ratio Lower Upper
96 100
61 147.8 124.9 187.3
98 63.4 52.5 78.7





#13

Acrolein

Concen: 216.515 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

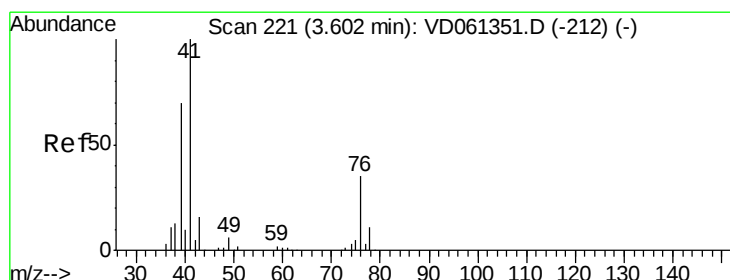
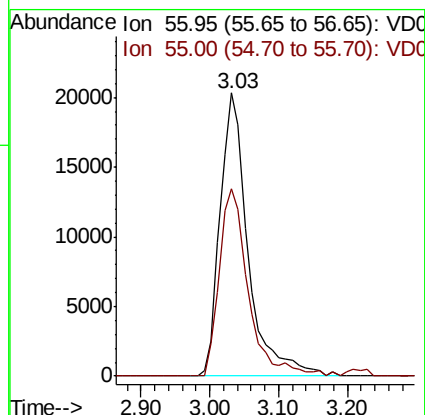
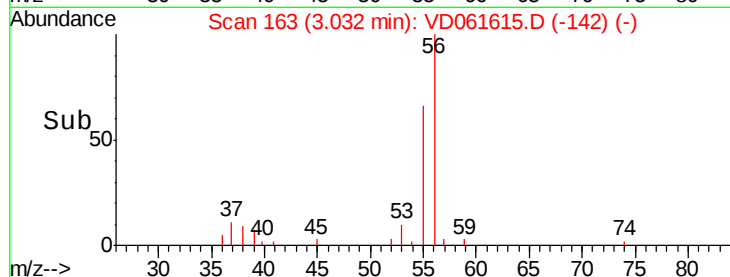
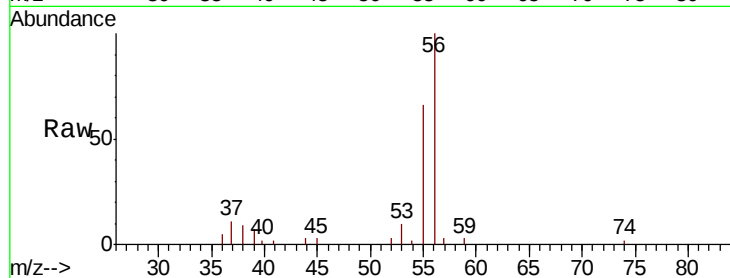
VSTDCCC050

Tot Ion: 56 Resp: 57357

Ion Ratio Lower Upper

56 100

55 66.1 54.6 82.0



#14

Allyl chloride

Concen: 49.372 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

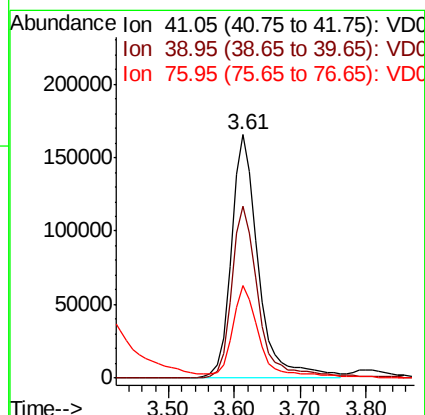
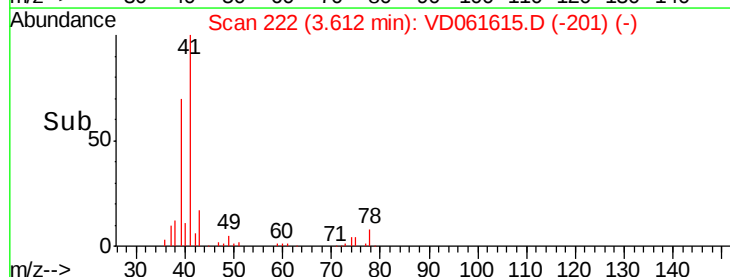
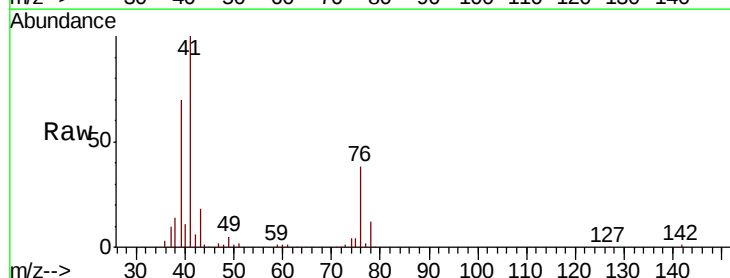
Tgt Ion: 41 Resp: 476327

Ion Ratio Lower Upper

41 100

39 70.4 55.6 83.4

76 37.9 31.0 46.6





#15

Acrylonitrile

Concen: 246.186 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

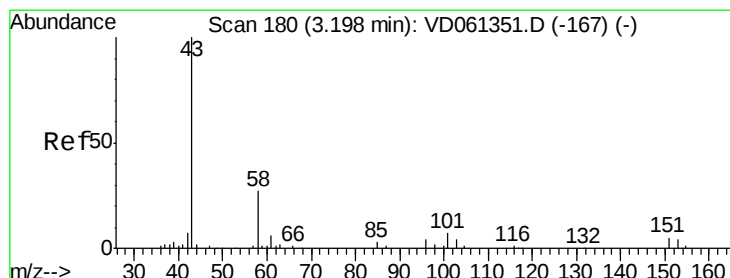
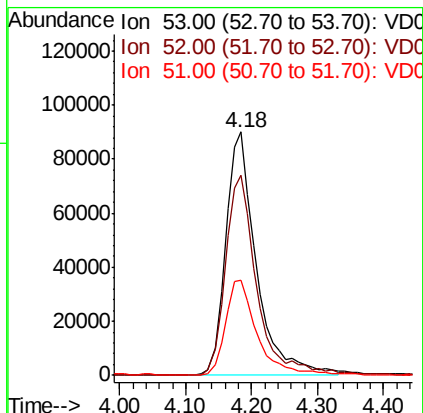
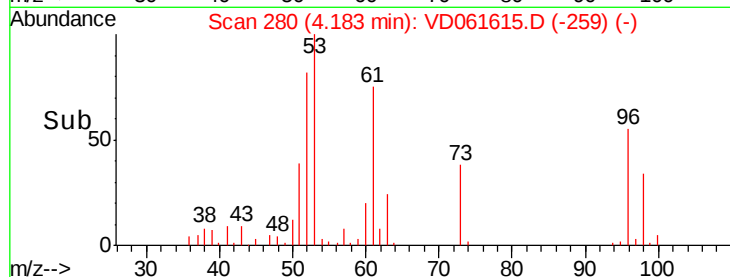
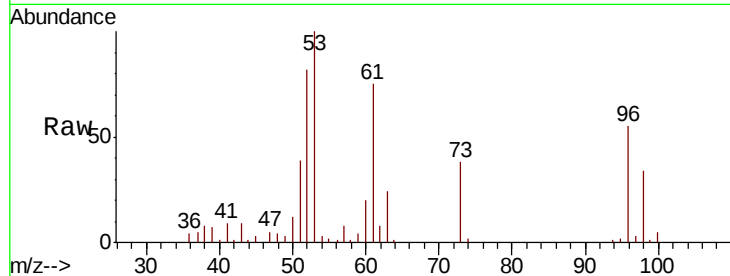
Tot Ion: 53 Resp: 292936

Ion Ratio Lower Upper

53 100

52 82.4 64.8 97.2

51 39.2 31.4 47.2



#16

Acetone

Concen: 297.935 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061615.D

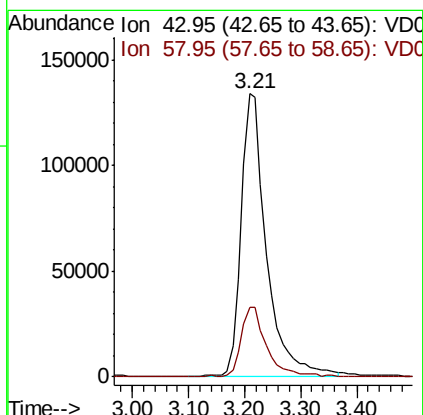
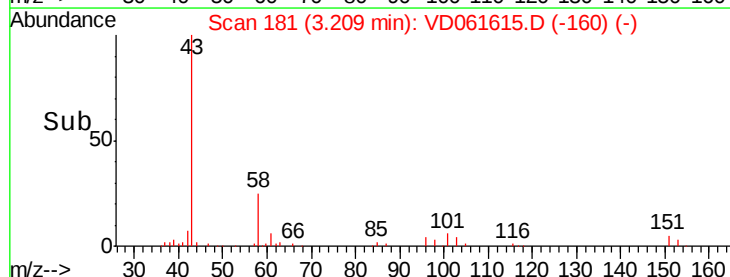
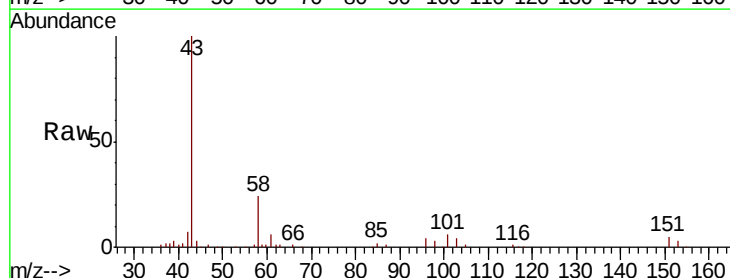
Acq: 5 Apr 2019 11:27

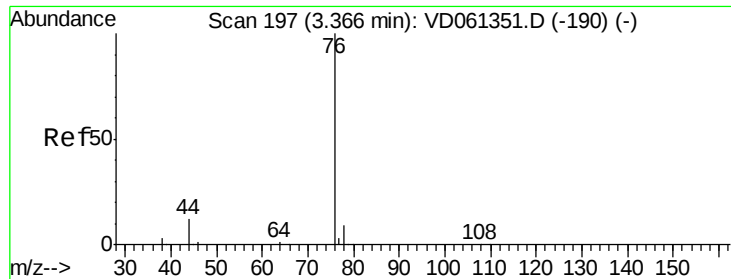
Tgt Ion: 43 Resp: 421619

Ion Ratio Lower Upper

43 100

58 24.5 21.5 32.3

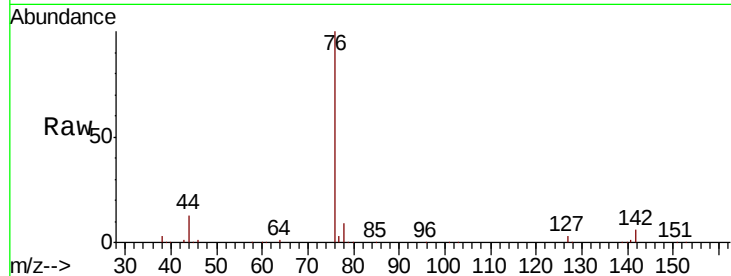




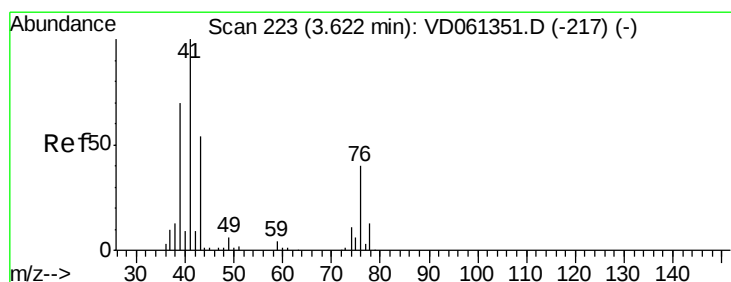
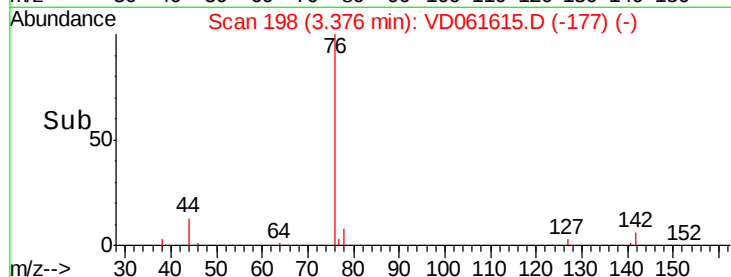
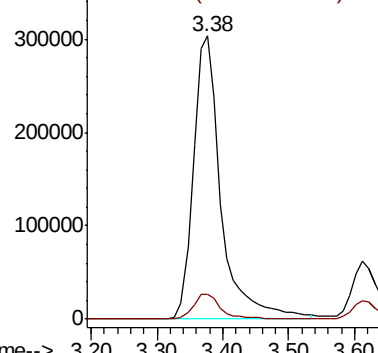
#17
Carbon Disulfide
Concen: 39.509 ug/l
RT: 3.38 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 887917
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

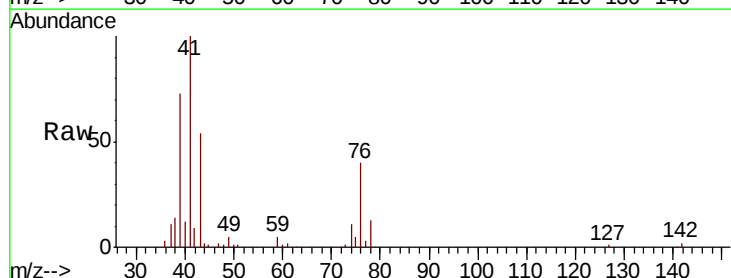


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

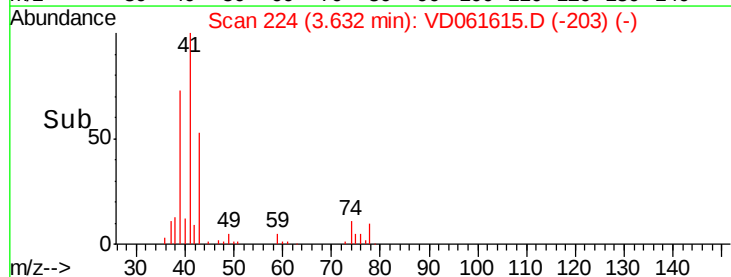
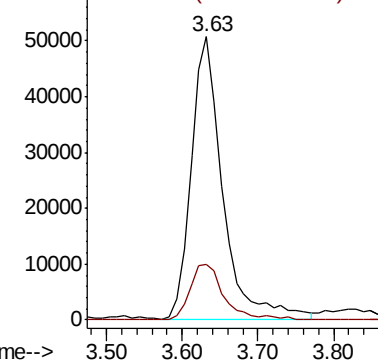


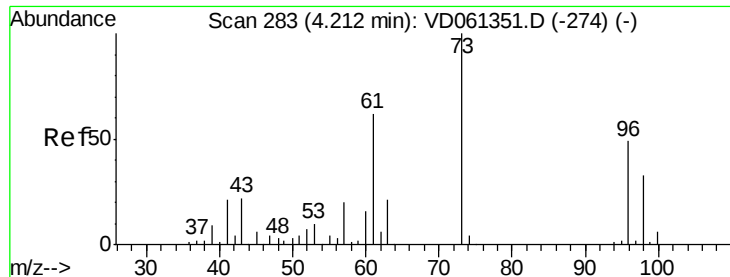
#18
Methyl Acetate
Concen: 49.742 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion: 43 Resp: 148002
Ion Ratio Lower Upper
43 100
74 19.6 16.7 25.1



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

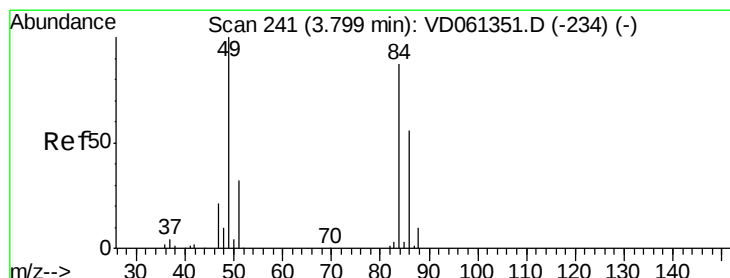
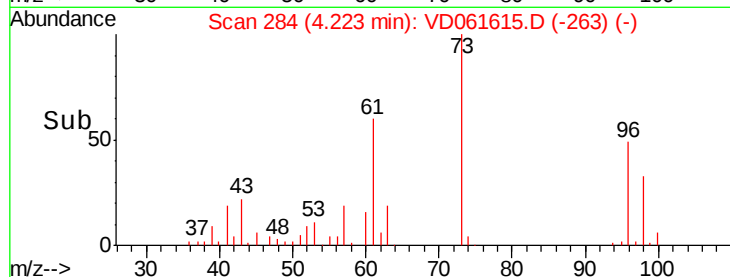
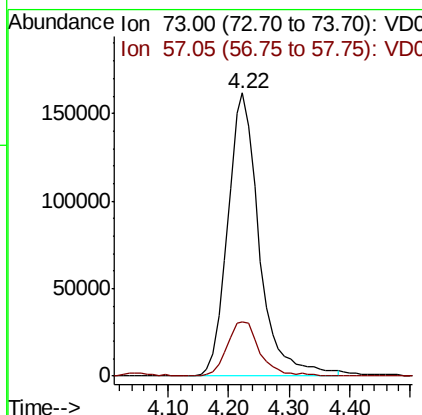
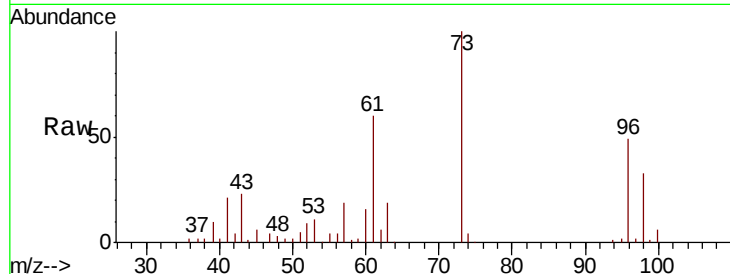




#19
Methvl tert-butvl Ether
Concen: 48.909 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

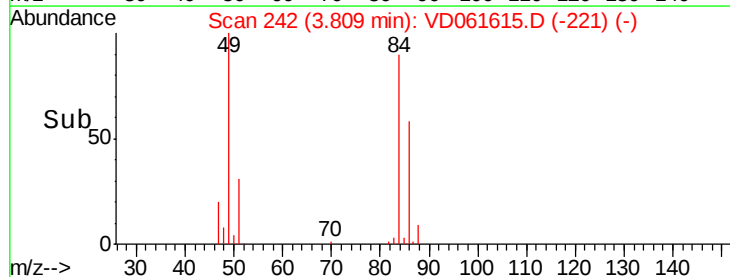
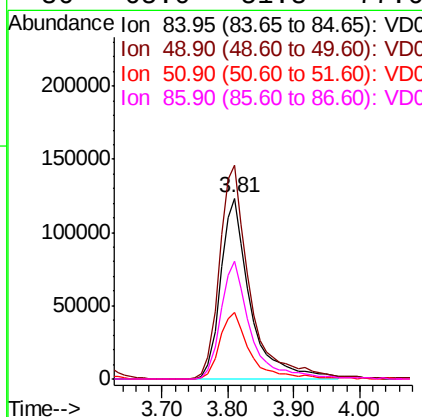
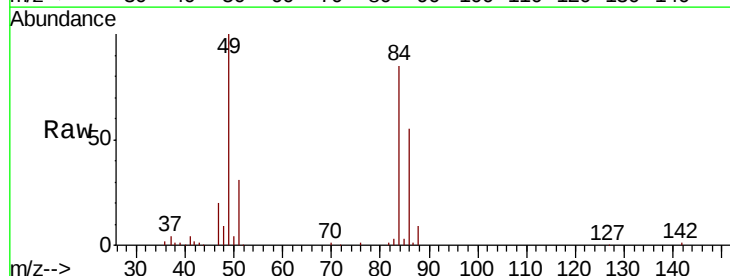
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

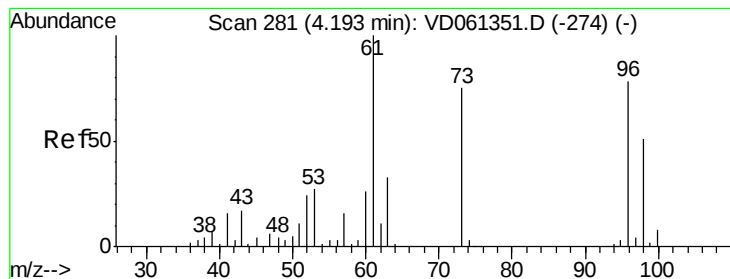
Tot Ion: 73 Resp: 585608
Ion Ratio Lower Upper
73 100
57 19.2 16.4 24.6



#20
Methylene Chloride
Concen: 48.781 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion: 84 Resp: 387083
Ion Ratio Lower Upper
84 100
49 117.9 91.8 137.8
51 36.7 29.8 44.8
86 65.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.260 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

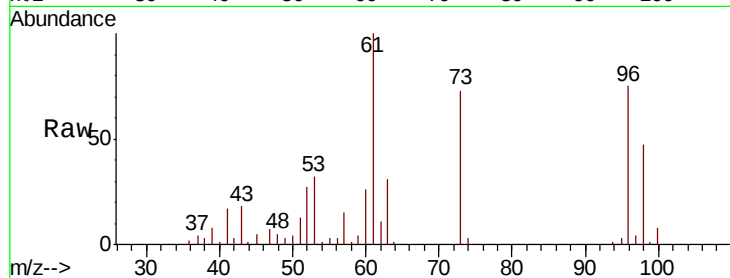
Tot Ion: 96 Resp: 352932

Ion Ratio Lower Upper

96 100

61 133.1 102.7 154.1

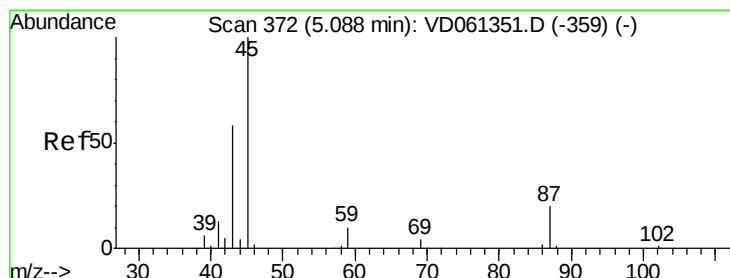
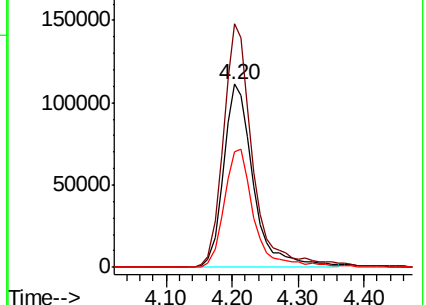
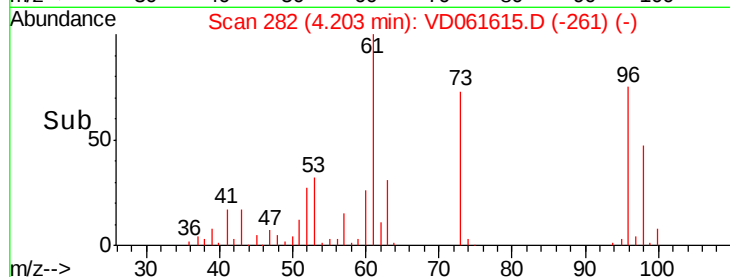
98 63.0 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 48.919 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Tgt Ion: 45 Resp: 998721

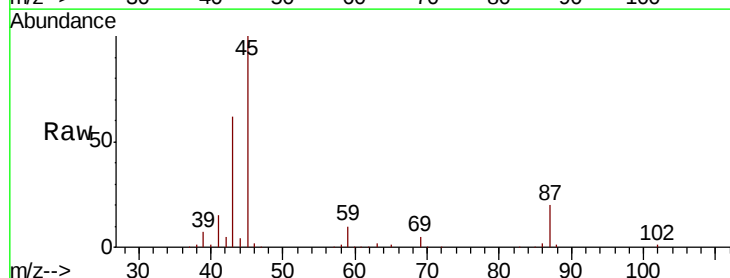
Ion Ratio Lower Upper

45 100

43 62.2 47.4 71.2

87 19.5 16.3 24.5

59 9.9 8.4 12.6

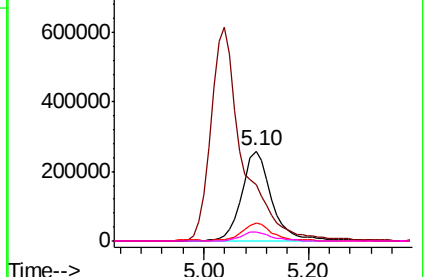
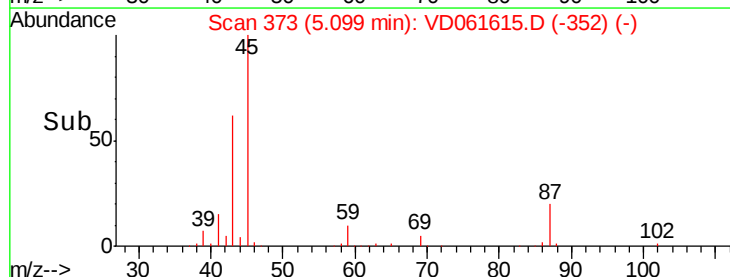


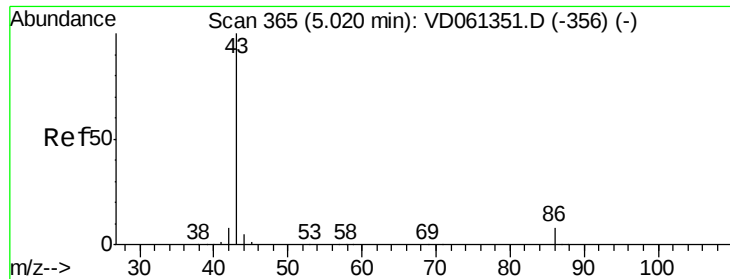
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 229.118 ug/l

RT: 5.04 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

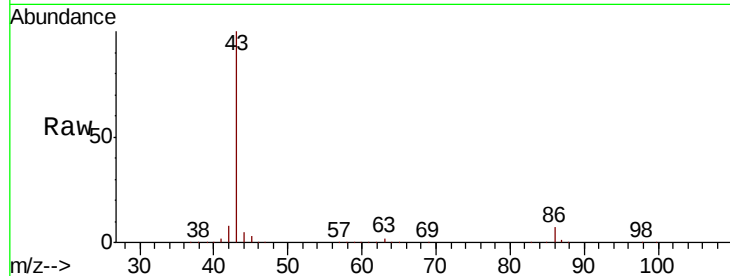
VSTDCCC050

Tot Ion: 43 Resp: 2540880

Ion Ratio Lower Upper

43 100

86 7.5 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

600000

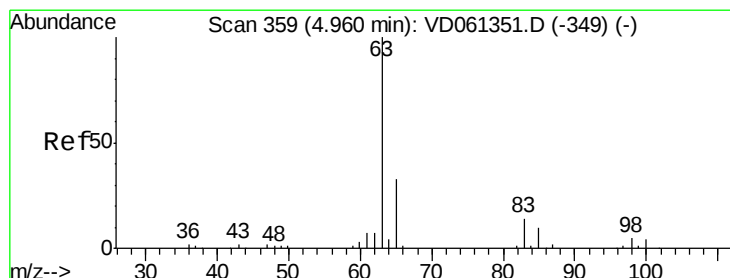
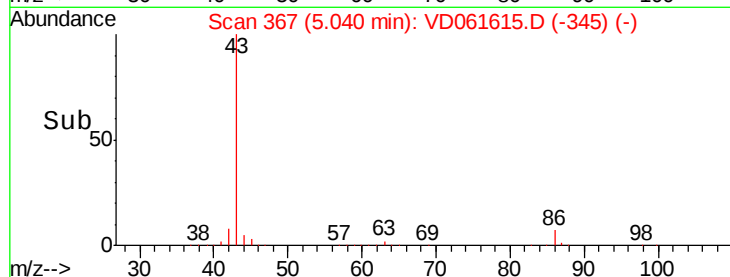
400000

200000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 49.315 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

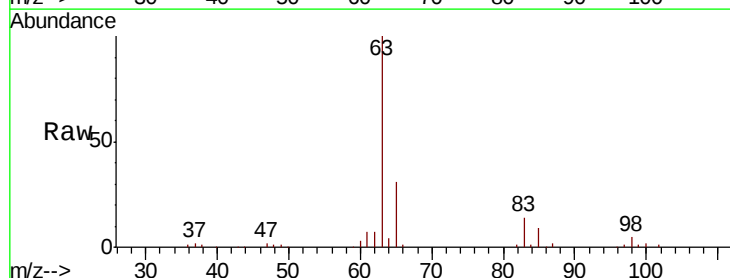
Tgt Ion: 63 Resp: 591690

Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

100 2.4 1.8 5.3



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

200000

150000

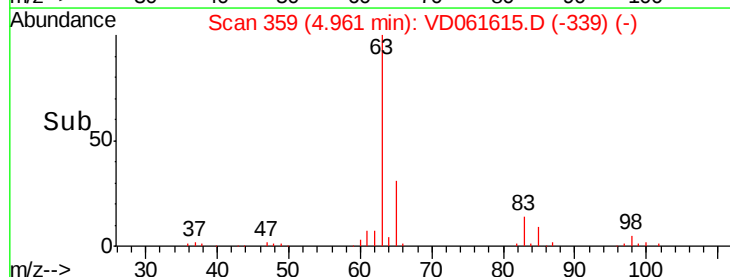
100000

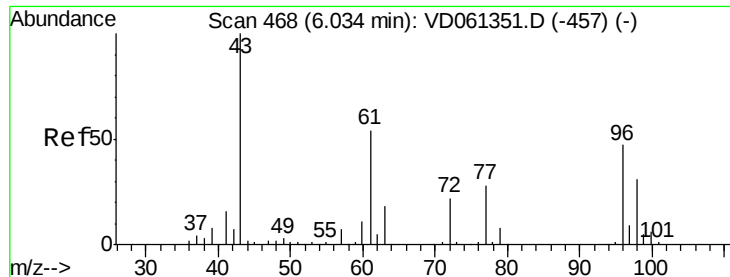
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 260.902 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

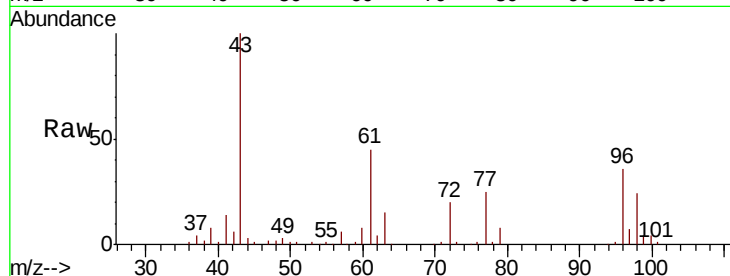
VSTDCCC050

Tot Ion: 43 Resp: 464436

Ion Ratio Lower Upper

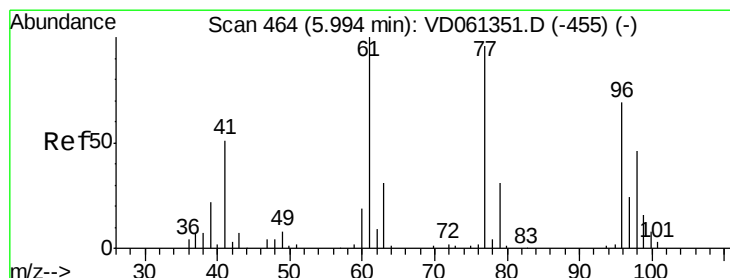
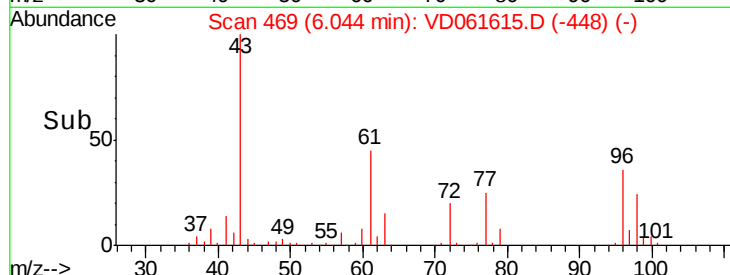
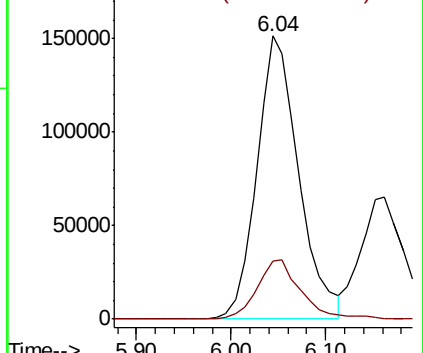
43 100

72 20.4 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.052 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061615.D

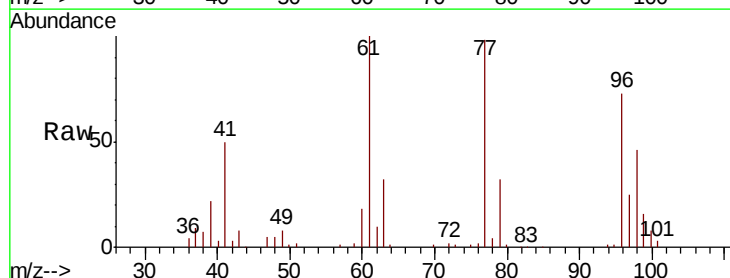
Acq: 5 Apr 2019 11:27

Tgt Ion: 77 Resp: 506008

Ion Ratio Lower Upper

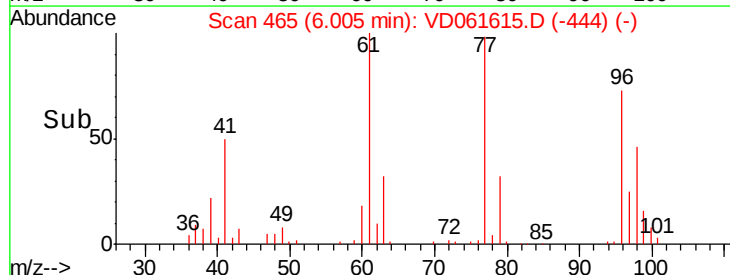
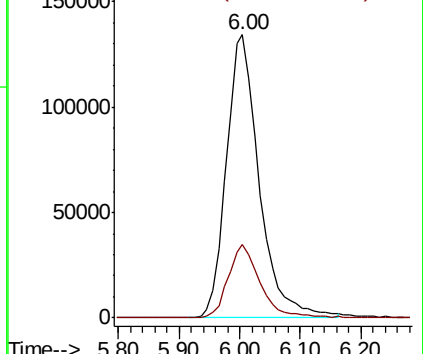
77 100

97 25.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



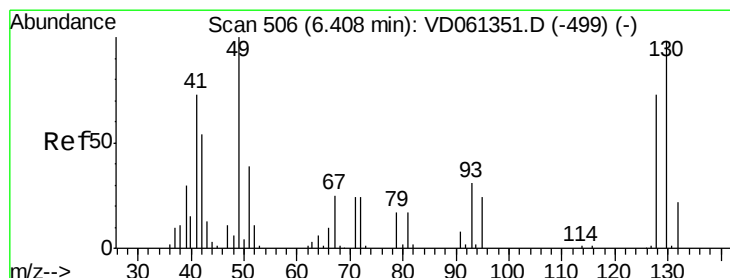
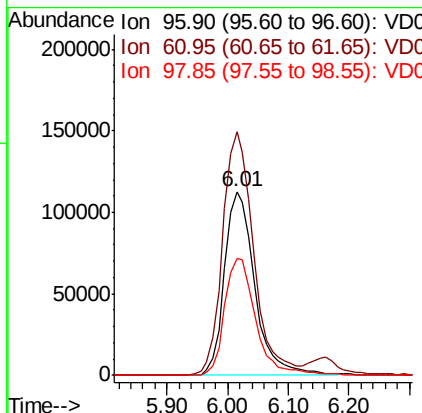
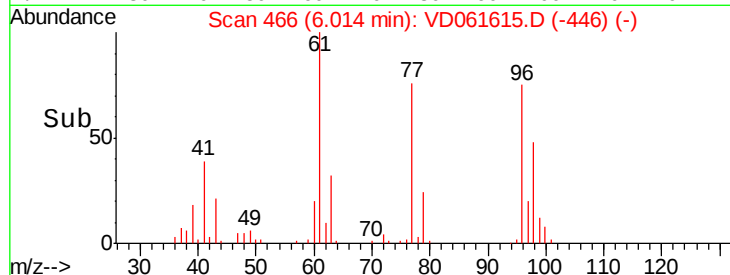
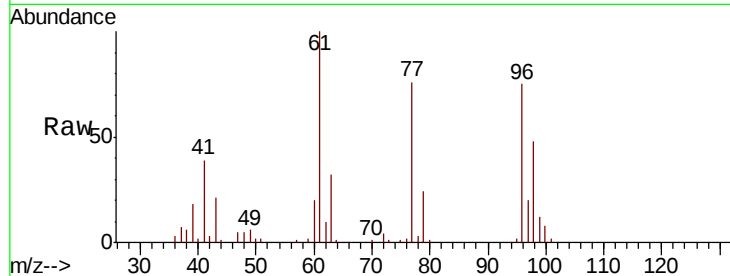


#27

cis-1,2-Dichloroethene
Concen: 48.136 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

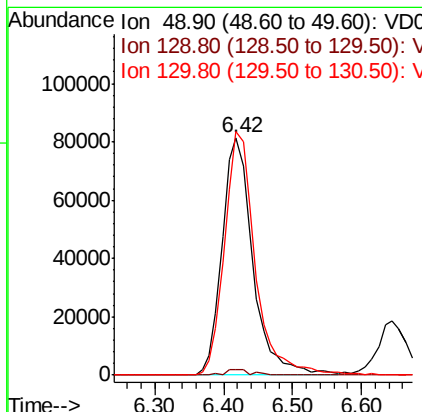
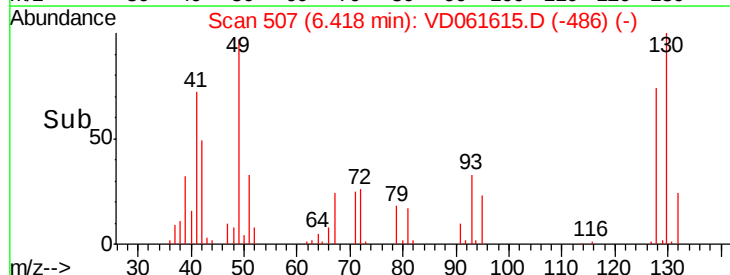
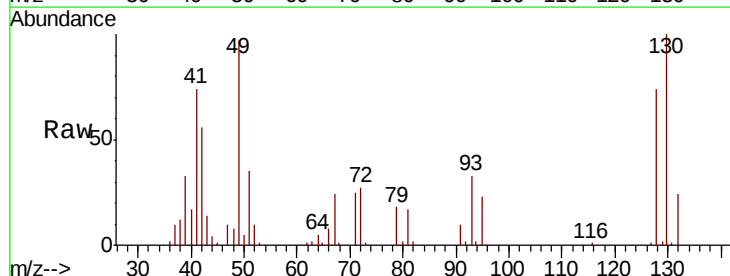
Tot Ion: 96 Resp: 393852
Ion Ratio Lower Upper
96 100
61 132.5 0.0 251.6
98 63.4 0.0 129.2



#28

Bromochloromethane
Concen: 51.988 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion: 49 Resp: 251793
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 102.6 78.4 117.6

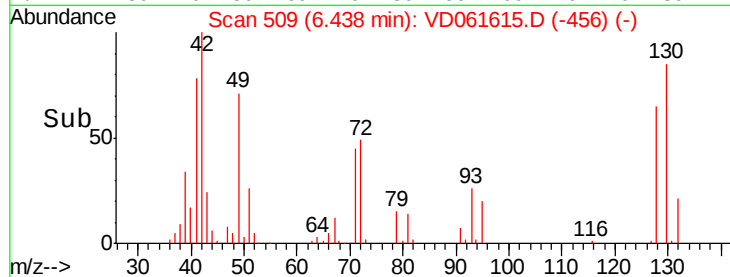
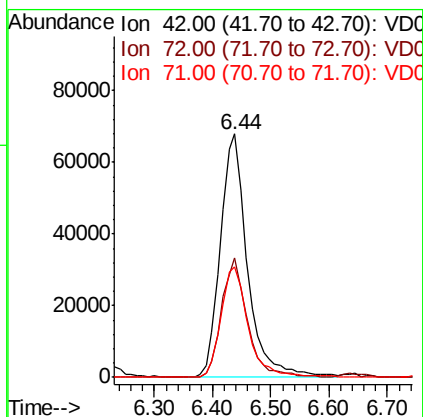
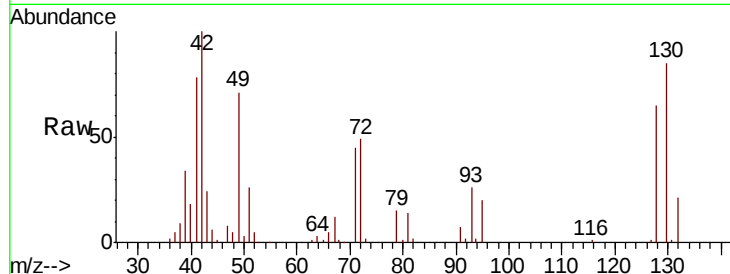




#29
Tetrahydrofuran
Concen: 254.429 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

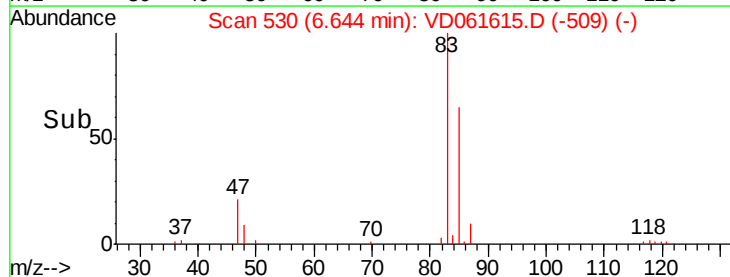
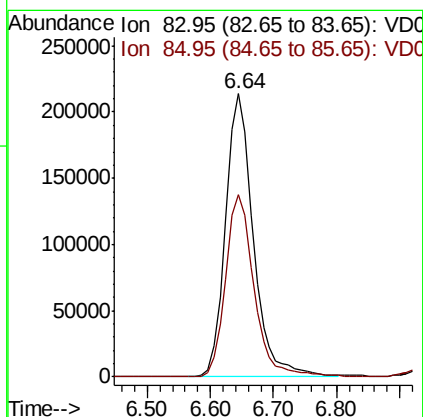
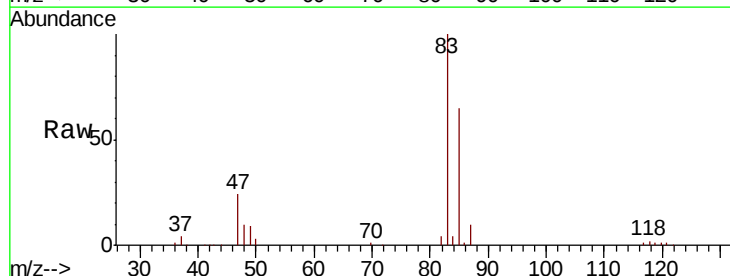
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 219525
Ion Ratio Lower Upper
42 100
72 46.6 37.4 56.0
71 45.6 36.7 55.1



#30
Chloroform
Concen: 52.649 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion: 83 Resp: 652721
Ion Ratio Lower Upper
83 100
85 64.6 53.0 79.4





#31

Cvclohexane

Concen: 47.375 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

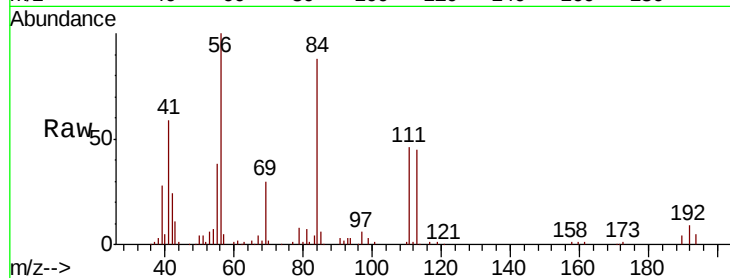
Tot Ion: 56 Resp: 449188

Ion Ratio Lower Upper

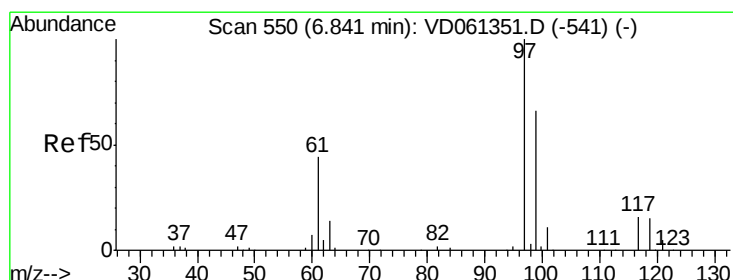
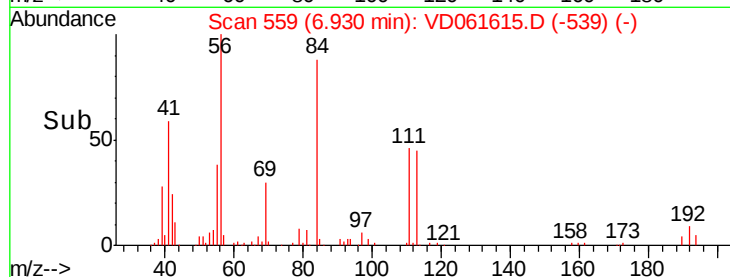
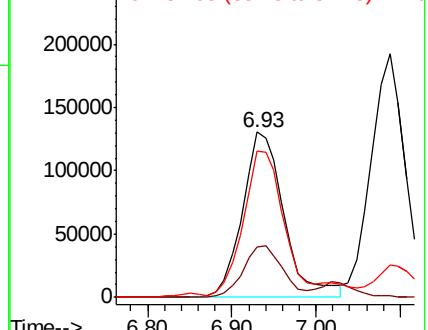
56 100

69 30.3 25.7 38.5

84 88.2 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 49.986 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

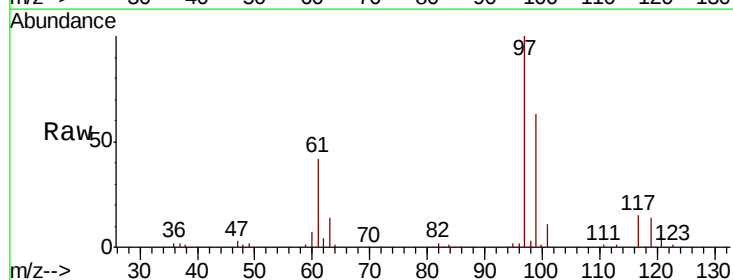
Tgt Ion: 97 Resp: 546717

Ion Ratio Lower Upper

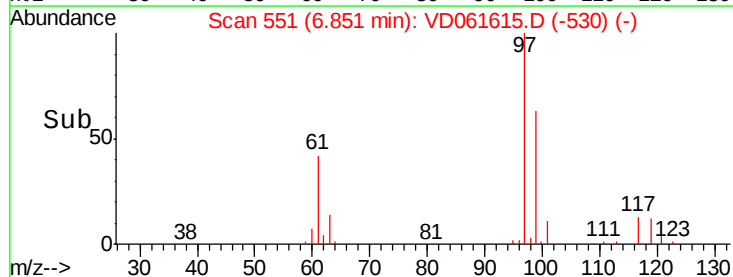
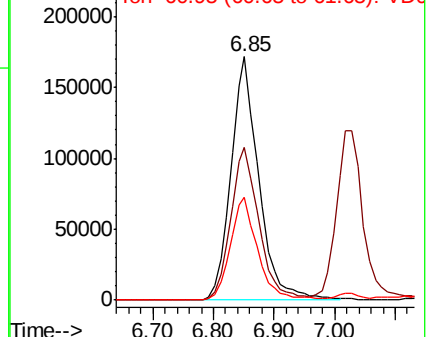
97 100

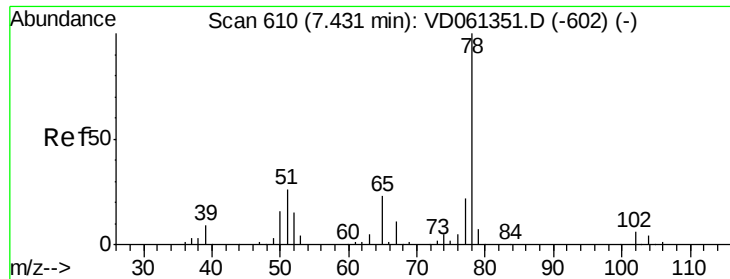
99 62.6 53.1 79.7

61 42.1 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 49.986 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

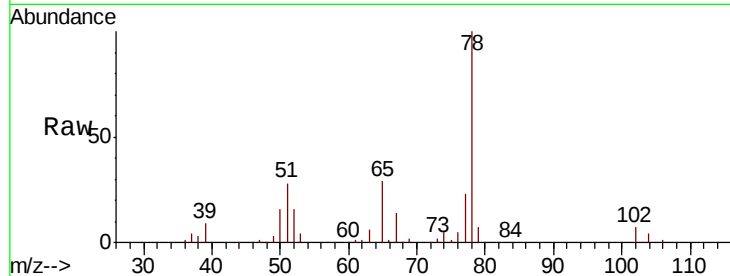
VSTDCCC050

Tot Ion: 65 Resp: 312824

Ion Ratio Lower Upper

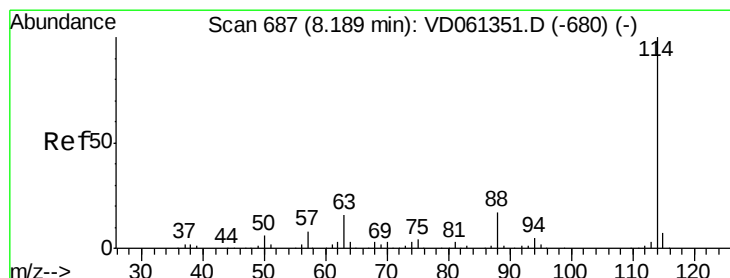
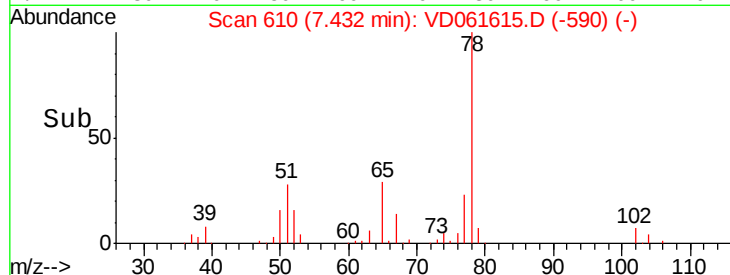
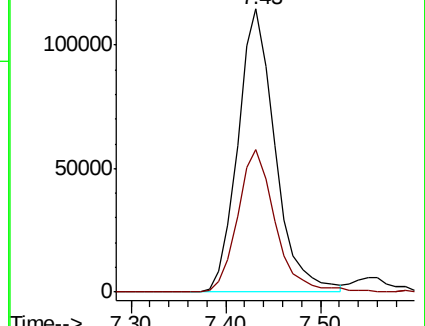
65 100

67 50.4 0.0 99.8



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: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

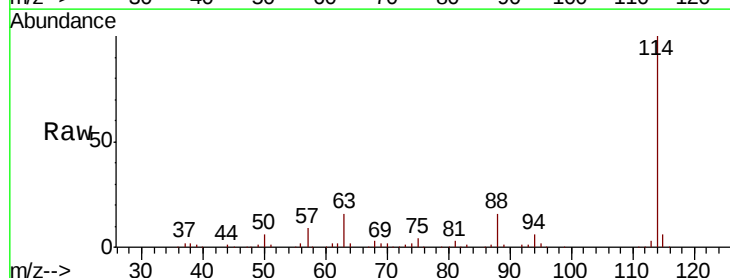
Tgt Ion: 114 Resp: 1098501

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.6

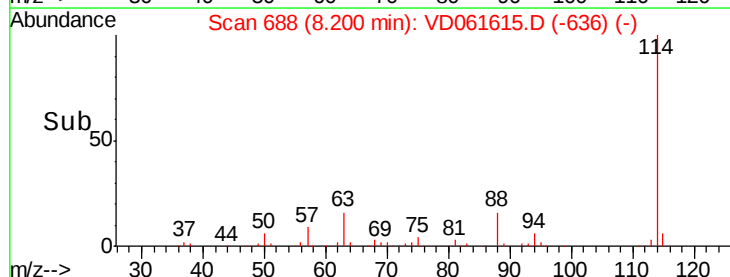
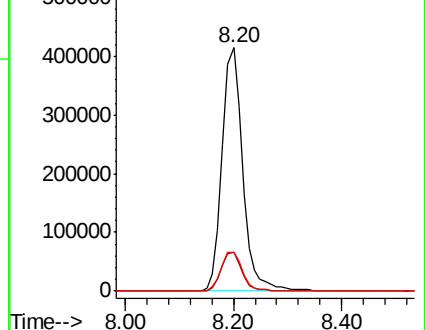
88 15.9 0.0 33.4

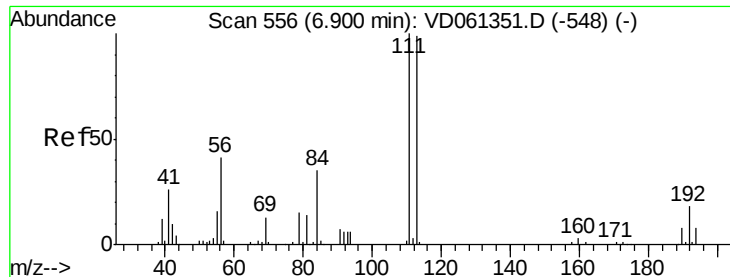


Abundance Ion 114.00 (113.70 to 114.70): V

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. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

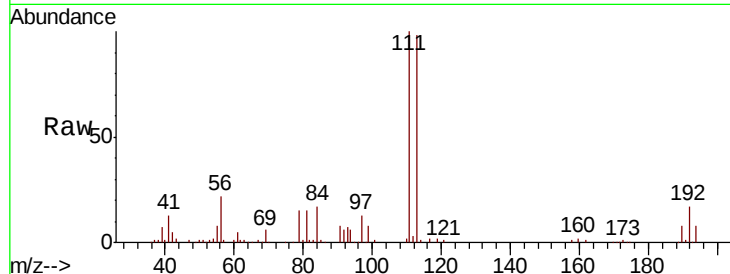
Tot Ion:113 Resp: 455424

Ion Ratio Lower Upper

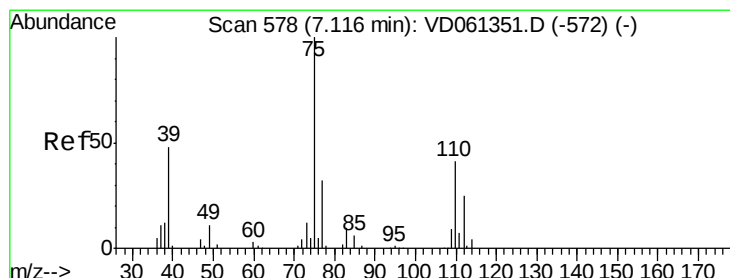
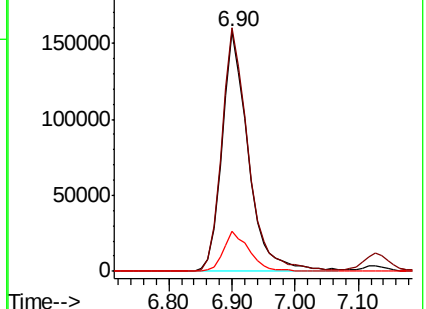
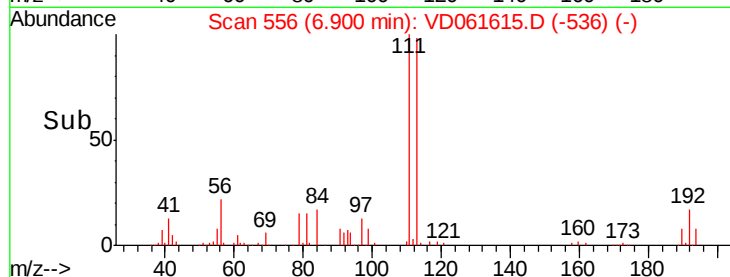
113 100

111 101.7 81.0 121.6

192 16.8 14.4 21.6



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: 48.876 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

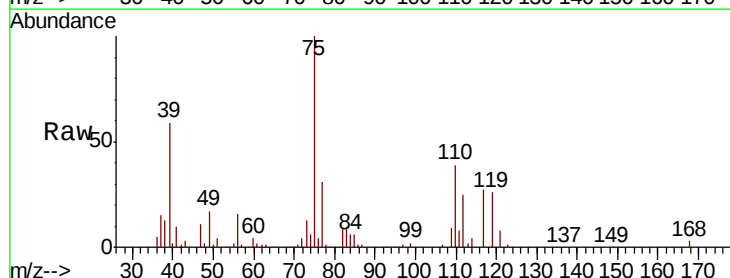
Tgt Ion: 75 Resp: 468597

Ion Ratio Lower Upper

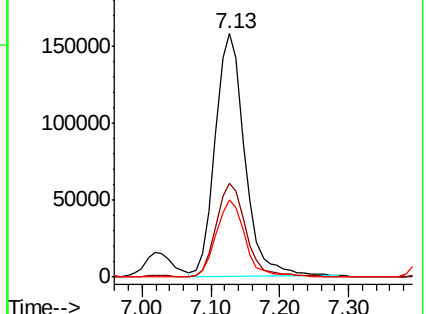
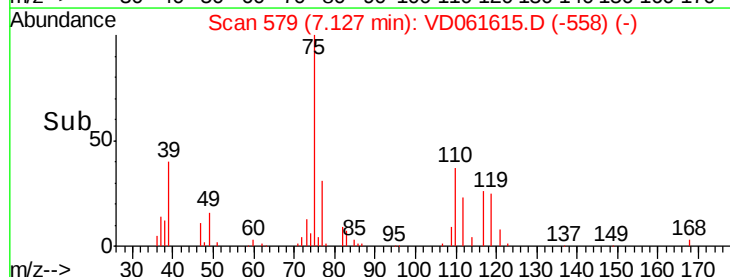
75 100

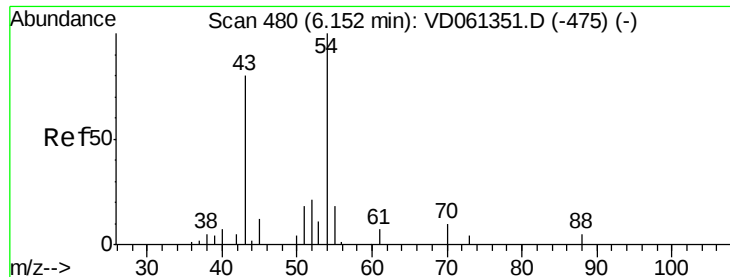
110 38.5 20.4 61.3

77 31.5 24.9 37.3



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

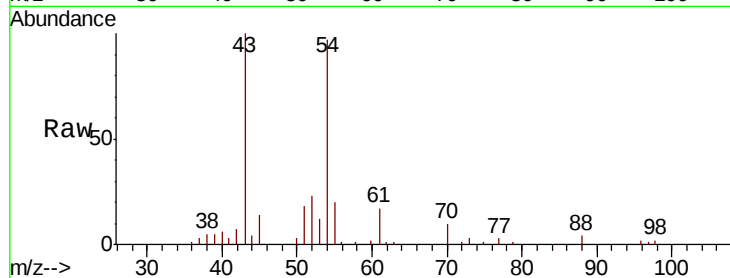




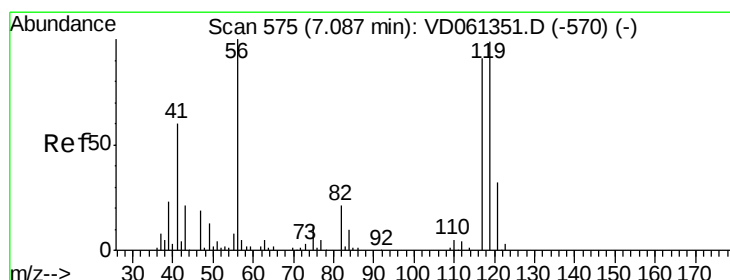
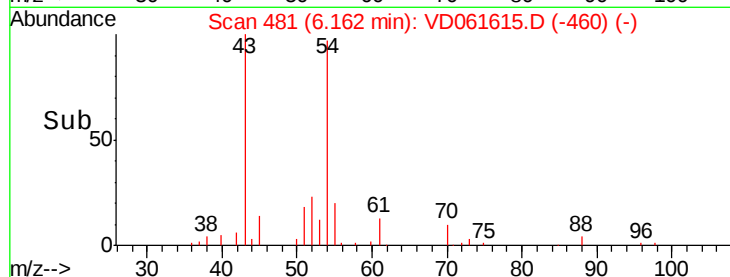
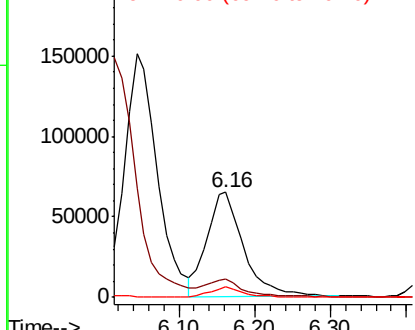
#37
Ethyl Acetate
Concen: 53.039 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 217476
Ion Ratio Lower Upper
43 100
61 17.3 13.8 20.8
70 10.0 7.8 11.8

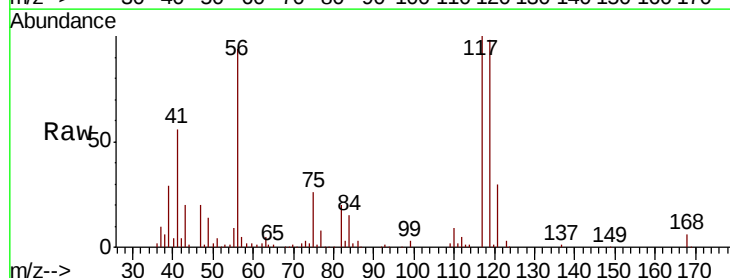


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

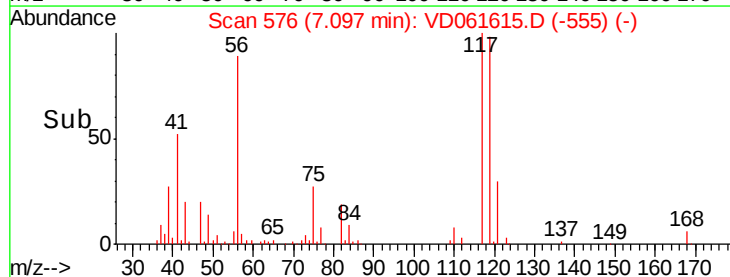
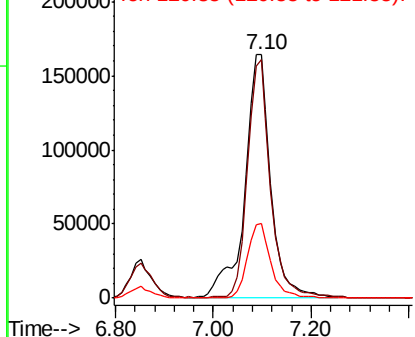


#38
Carbon Tetrachloride
Concen: 54.253 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion: 117 Resp: 597706
Ion Ratio Lower Upper
117 100
119 98.2 80.1 120.1
121 30.5 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 44.270 ug/l

RT: 8.84 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

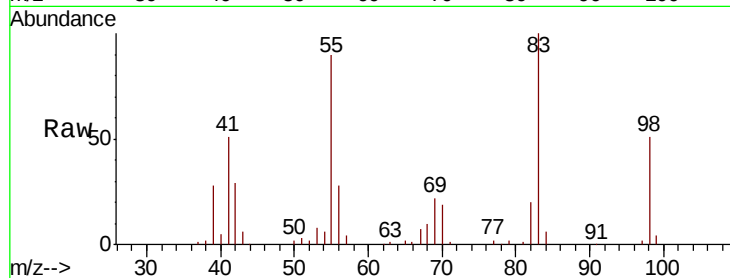
Tot Ion: 83 Resp: 442048

Ion Ratio Lower Upper

83 100

55 90.2 71.5 107.3

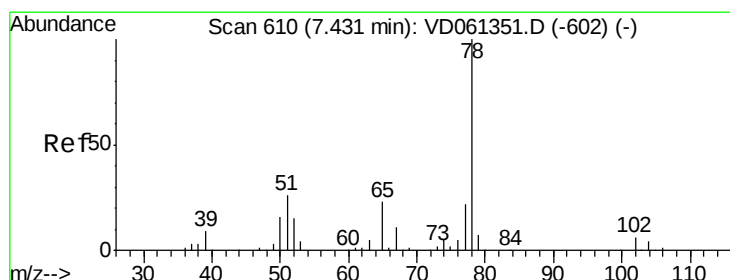
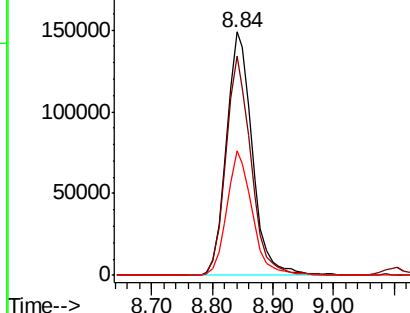
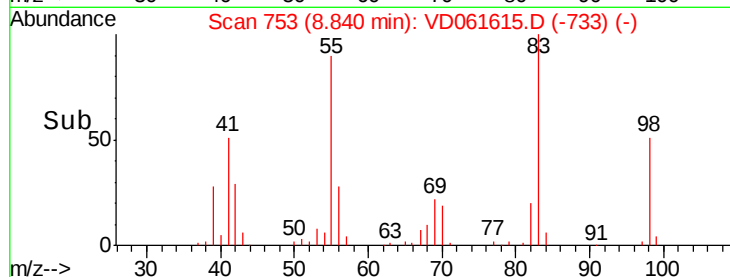
98 51.0 40.3 60.5



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: 49.427 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061615.D

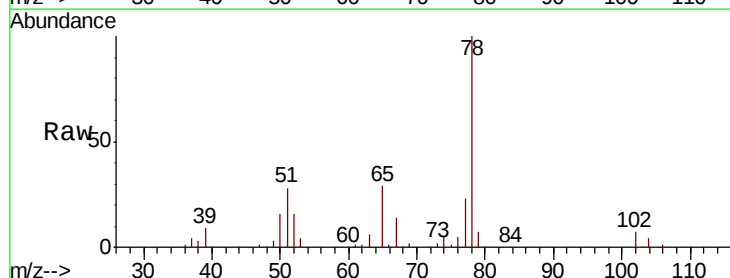
Acq: 5 Apr 2019 11:27

Tgt Ion: 78 Resp: 1189295

Ion Ratio Lower Upper

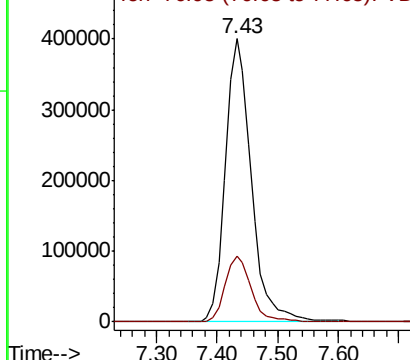
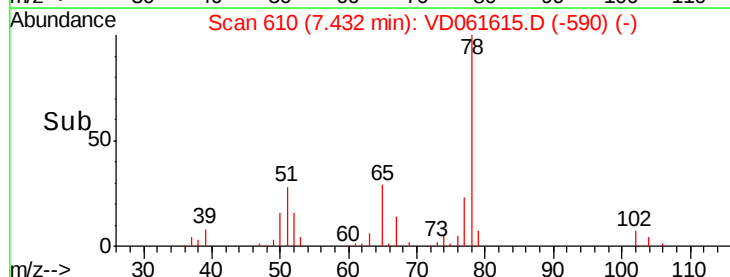
78 100

77 23.4 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

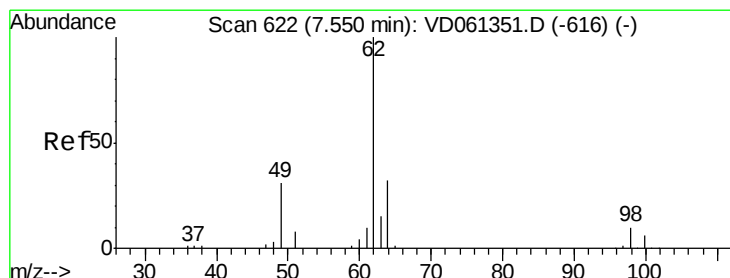
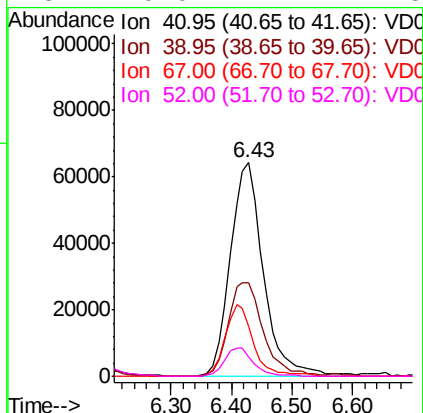
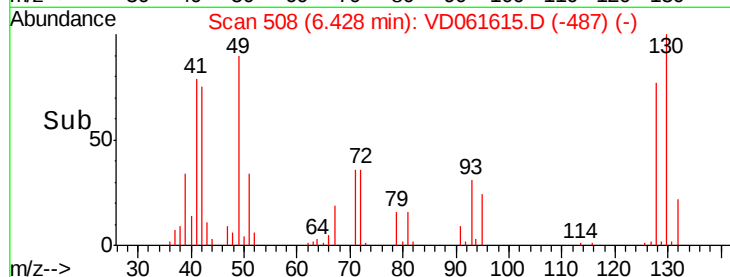
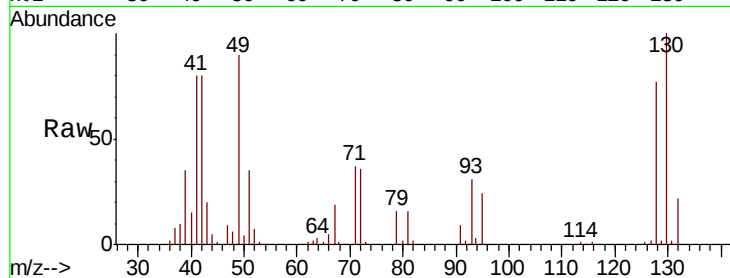




#41
Methacrylonitrile
Concen: 50.878 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

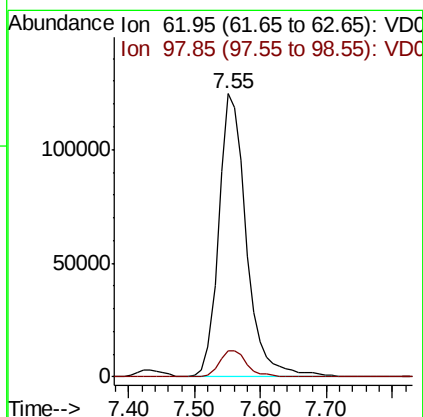
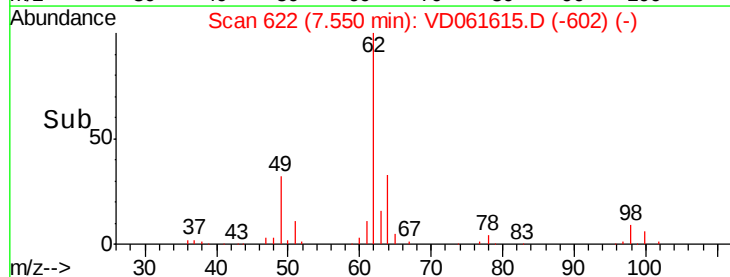
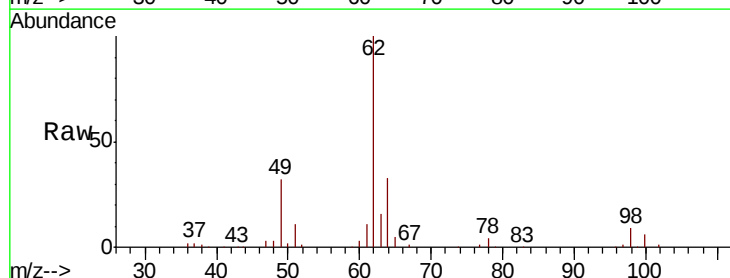
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

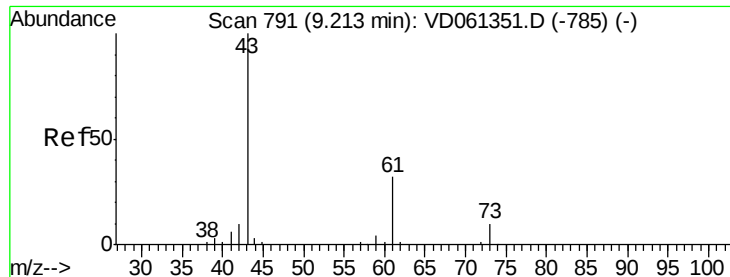
Tot Ion: 41 Resp: 243923
Ion Ratio Lower Upper
41 100
39 43.8 35.0 52.6
67 23.4 21.0 31.6
52 9.0 7.7 11.5



#42
1,2-Dichloroethane
Concen: 50.707 ug/l
RT: 7.55 min Scan# 622
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion: 62 Resp: 364962
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.8



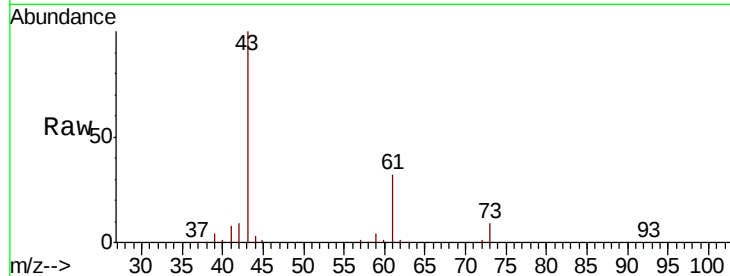


#43

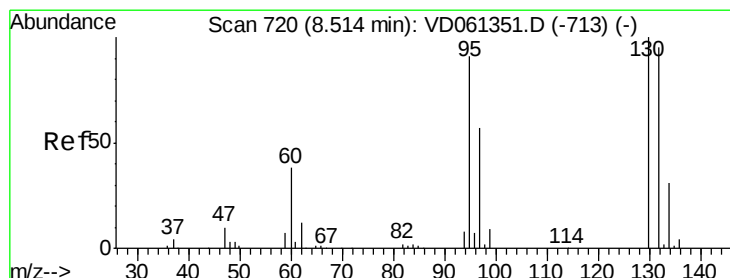
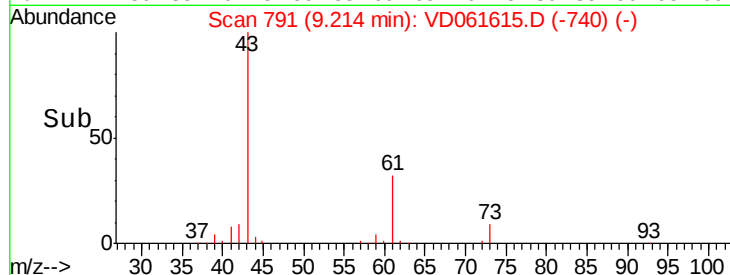
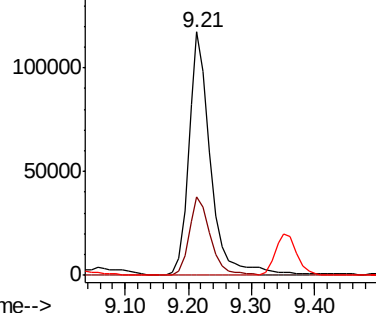
Isopropyl Acetate
 Concen: 47.586 ug/l
 RT: 9.21 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 283893
 Ion Ratio Lower Upper
 43 100
 61 32.3 25.8 38.6
 87 0.0 0.0 0.0



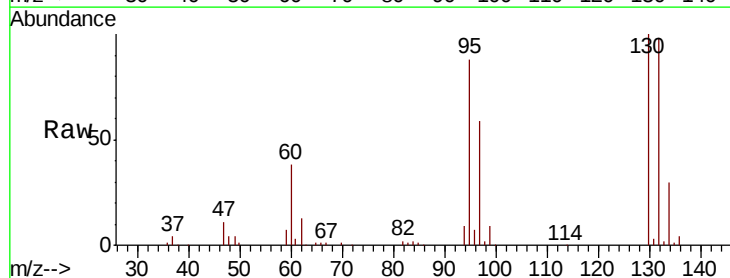
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



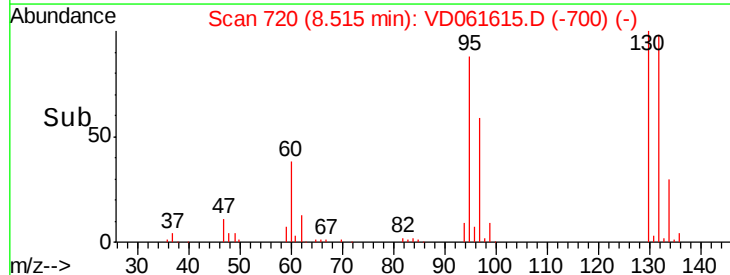
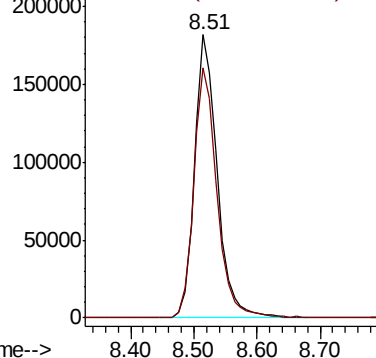
#44

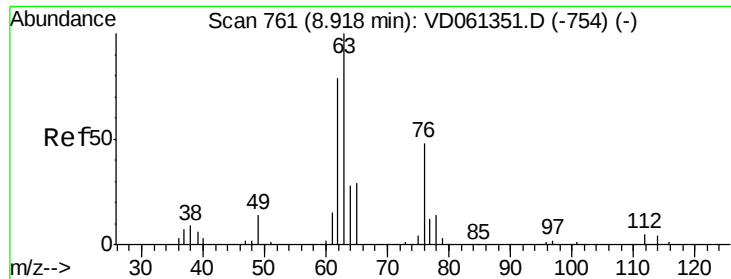
Trichloroethene
 Concen: 50.591 ug/l
 RT: 8.51 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Tgt Ion: 130 Resp: 453023
 Ion Ratio Lower Upper
 130 100
 95 88.3 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 48.749 ug/l

RT: 8.92 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

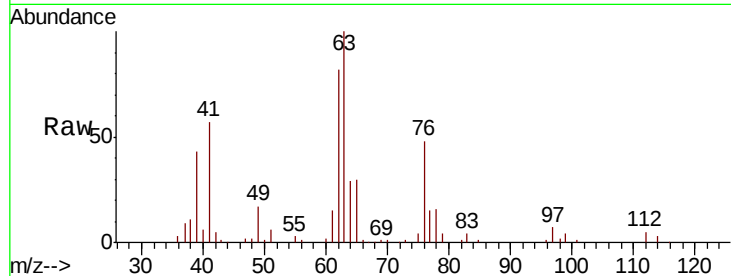
VSTDCCC050

Tot Ion: 63 Resp: 297434

Ion Ratio Lower Upper

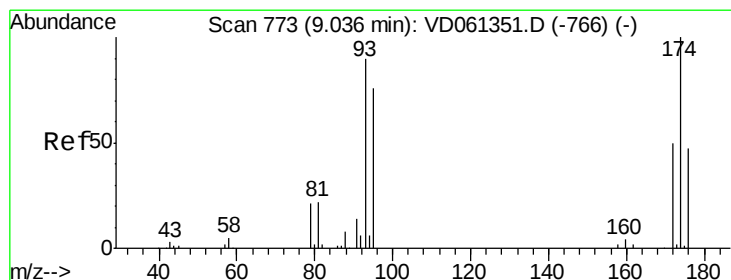
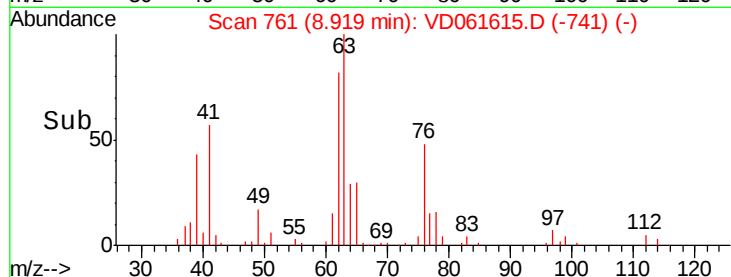
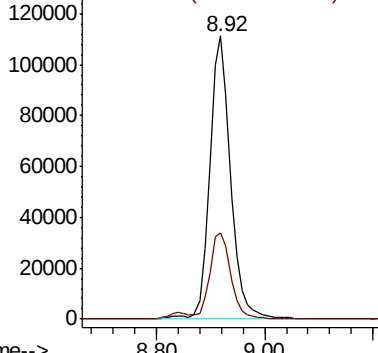
63 100

65 30.5 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 50.467 ug/l

RT: 9.04 min Scan# 773

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

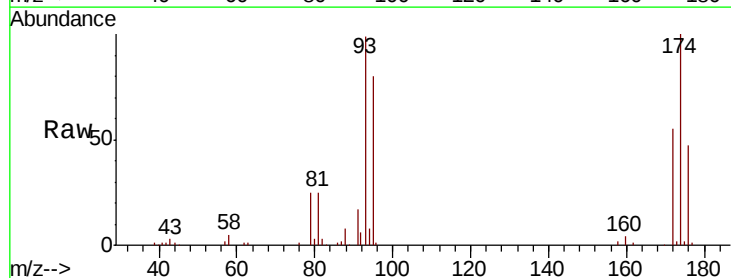
Tgt Ion: 93 Resp: 207251

Ion Ratio Lower Upper

93 100

95 80.7 67.4 101.0

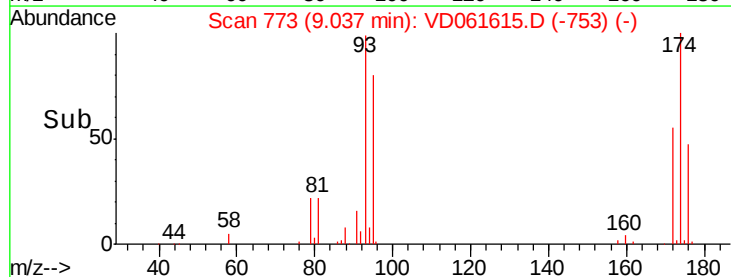
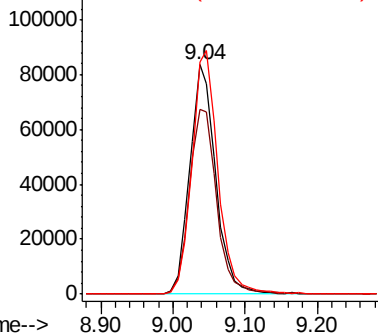
174 101.0 88.9 133.3

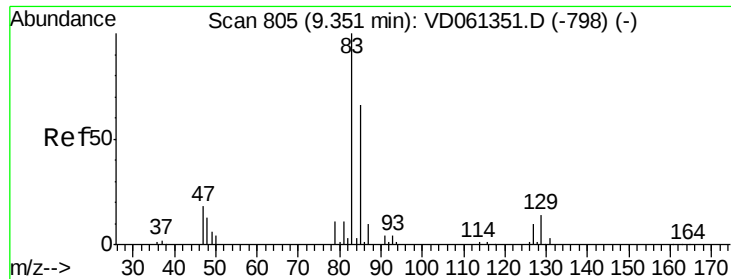


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.192 ug/l

RT: 9.35 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

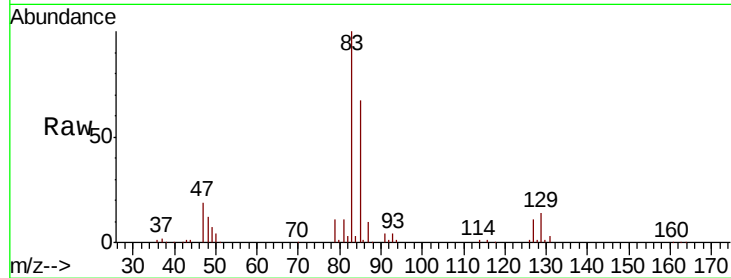
Tot Ion: 83 Resp: 471853

Ion Ratio Lower Upper

83 100

85 67.4 53.0 79.4

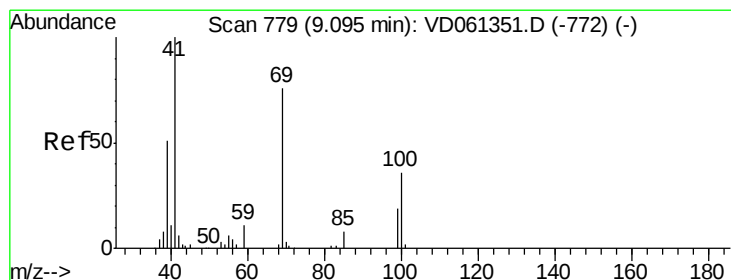
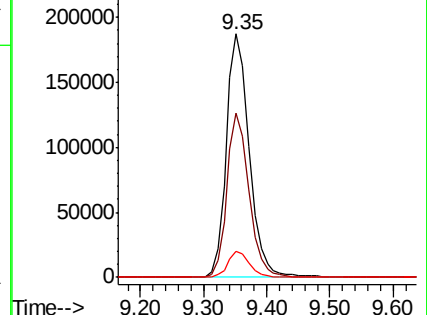
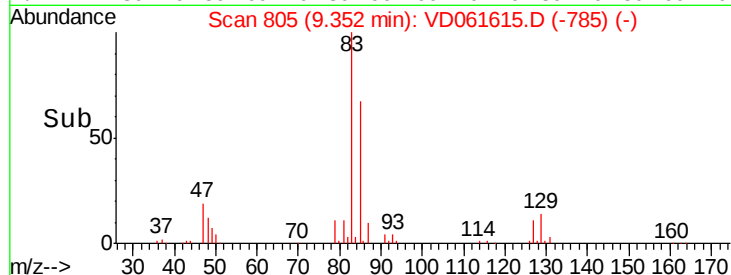
127 10.6 8.4 12.6



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 47.970 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

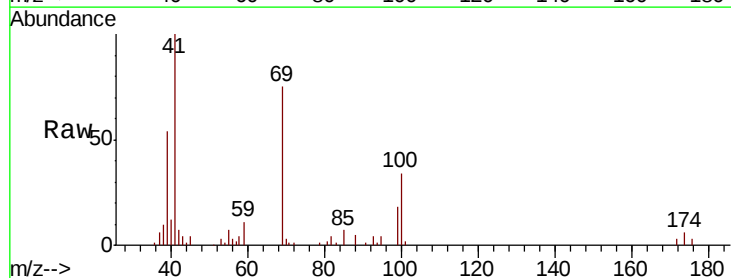
Tgt Ion: 41 Resp: 157940

Ion Ratio Lower Upper

41 100

69 74.5 60.2 90.4

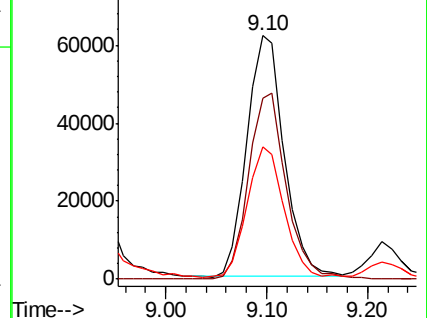
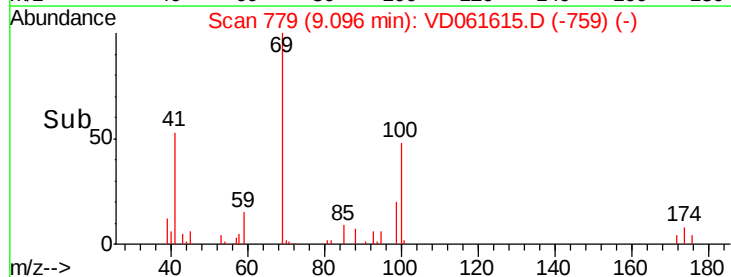
39 54.4 41.4 62.2

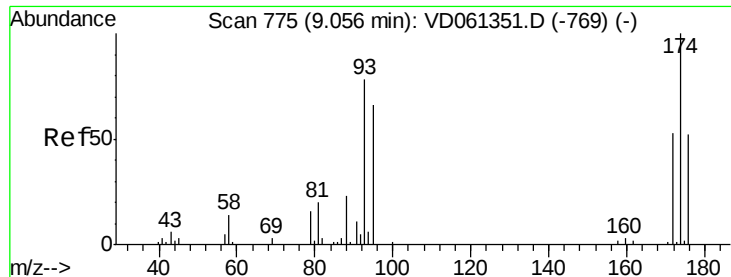


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

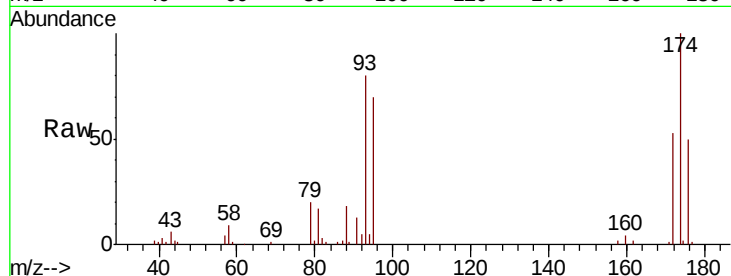




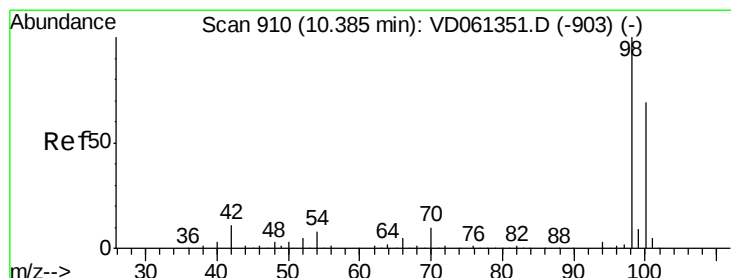
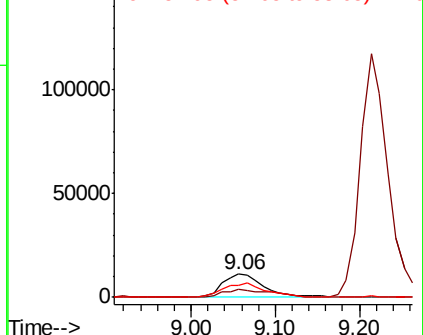
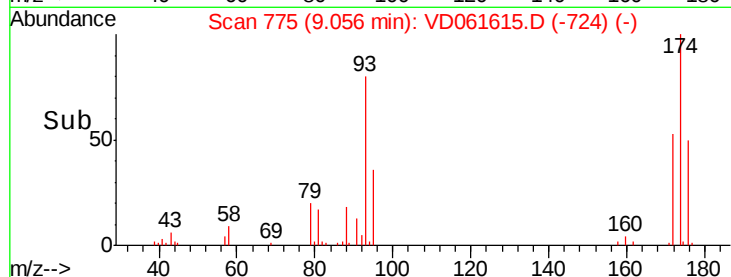
#49
1,4-Dioxane
Concen: 1044.416 ug/l
RT: 9.06 min Scan# 775
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 37929
Ion Ratio Lower Upper
88 100
43 34.8 23.3 34.9
58 52.8 50.8 76.2

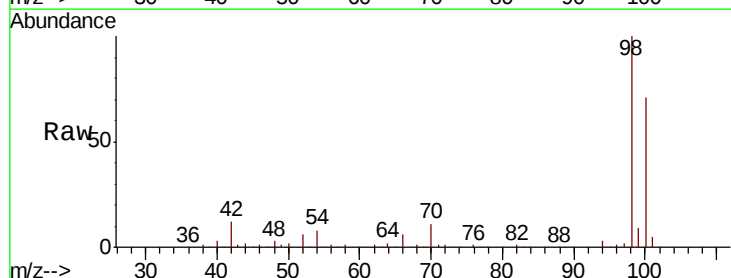


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

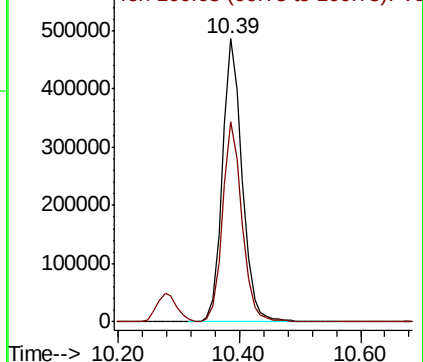
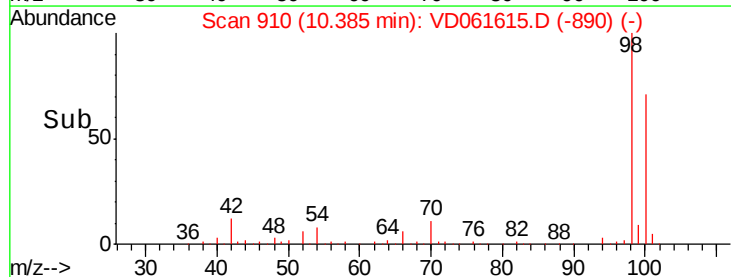


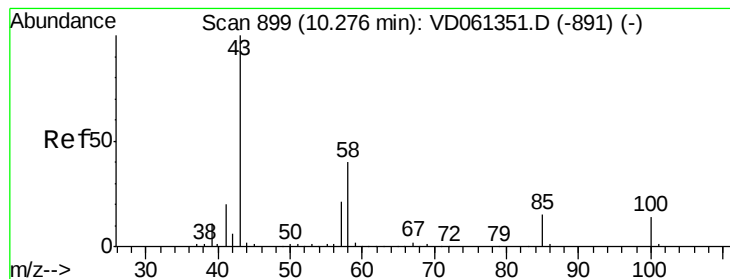
#50
Toluene-d8
Concen: 1044.416 ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion: 98 Resp: 1099563
Ion Ratio Lower Upper
98 100
100 70.7 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 251.021 ug/l

RT: 10.28 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleID :

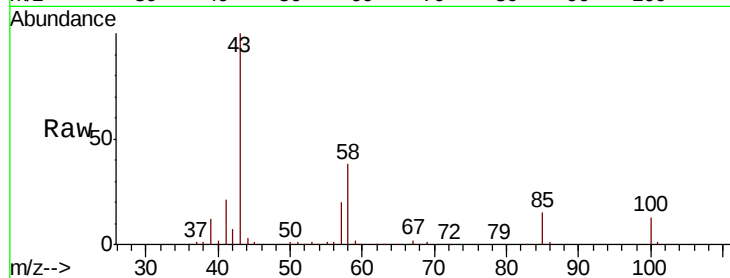
VSTDCCC050

Tot Ion: 43 Resp: 911105

Ion Ratio Lower Upper

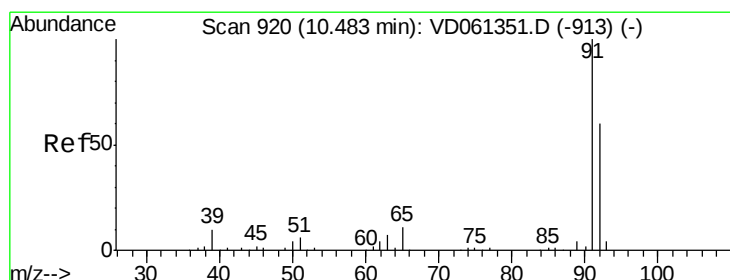
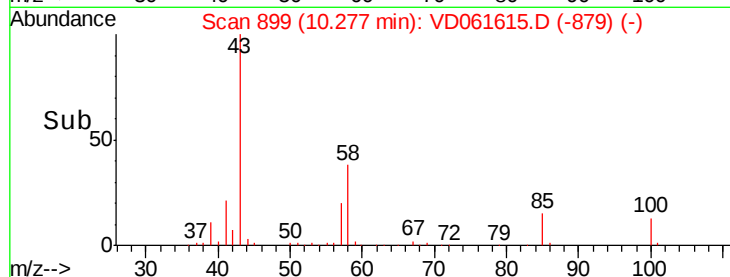
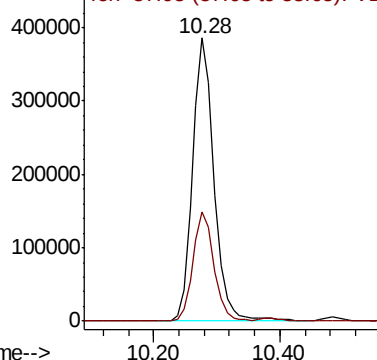
43 100

58 38.4 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.355 ug/l

RT: 10.48 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD061615.D

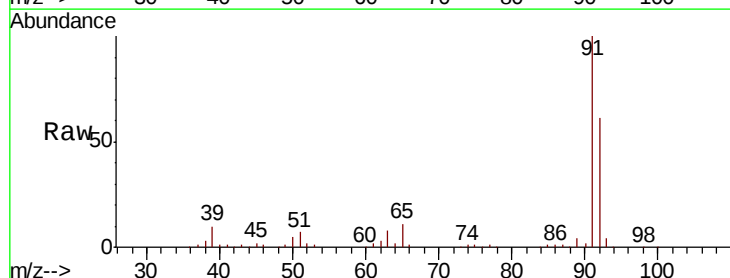
Acq: 5 Apr 2019 11:27

Tgt Ion: 92 Resp: 768544

Ion Ratio Lower Upper

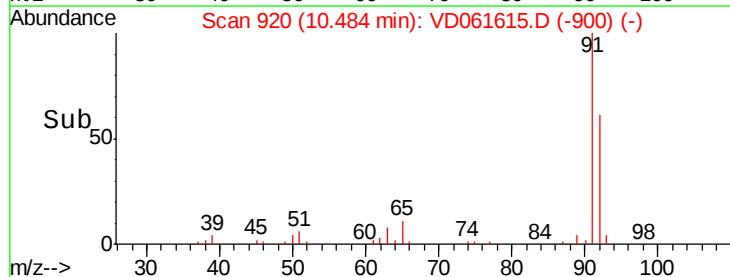
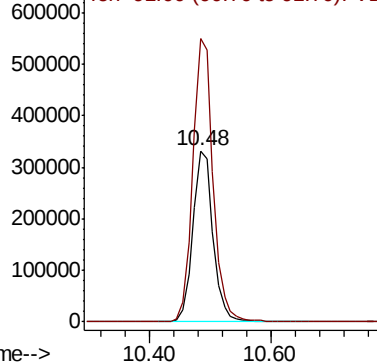
92 100

91 165.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

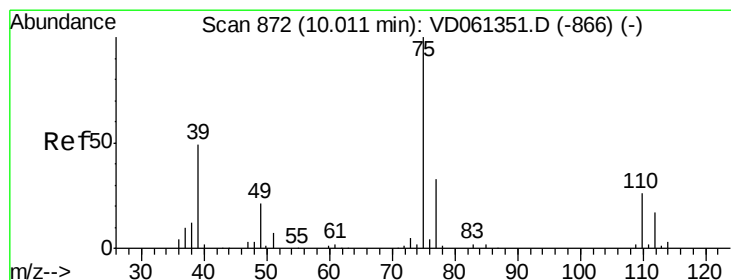
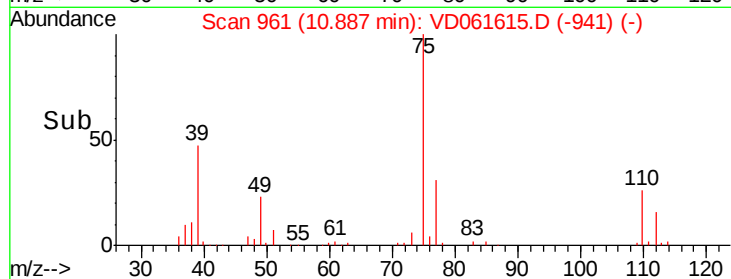
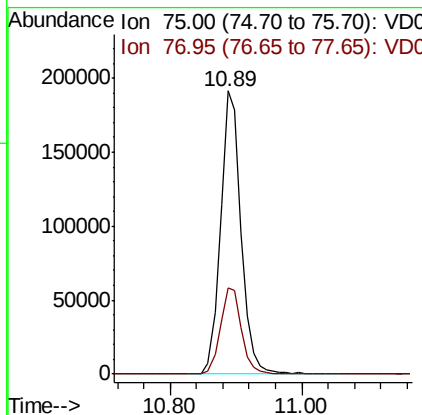
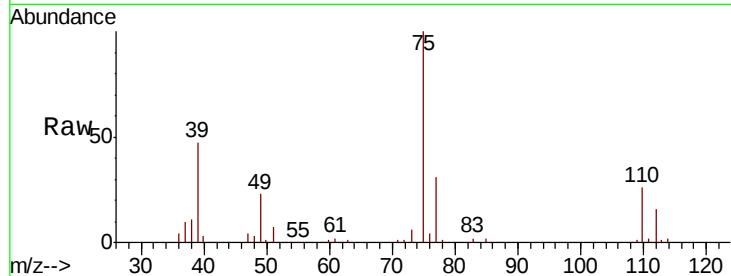




#53
 t-1,3-Dichloropropene
 Concen: 49.297 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

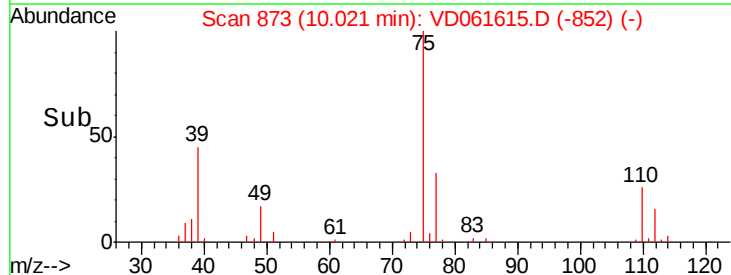
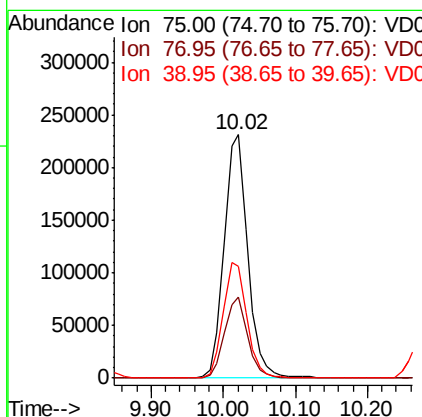
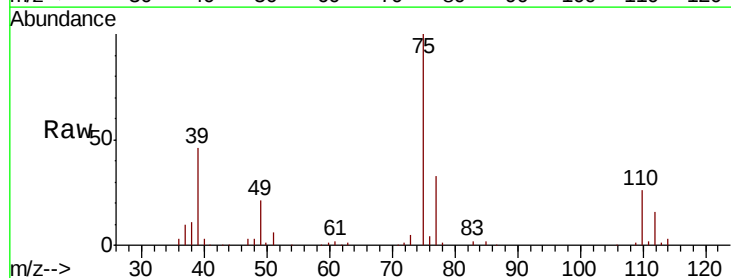
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

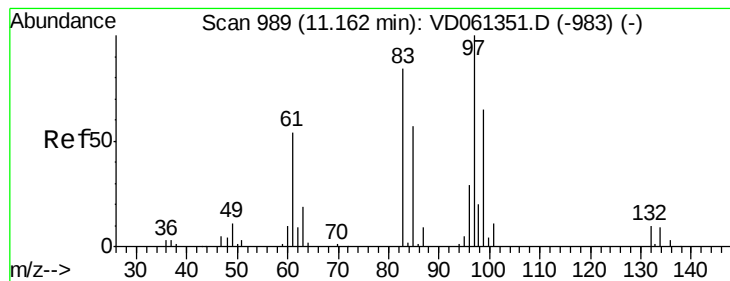
Tot Ion: 75 Resp: 412834
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 51.558 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Tgt Ion: 75 Resp: 525739
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.2 39.4
 39 45.8 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 51.208 ug/l

RT: 11.16 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 262887

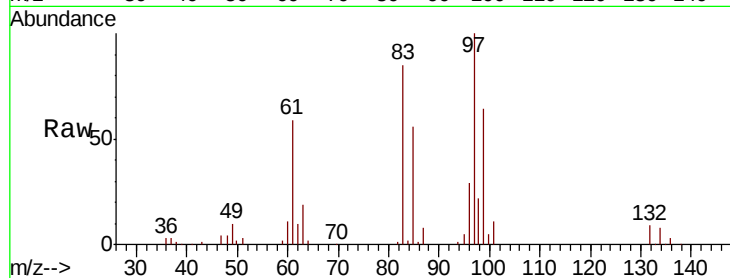
Ion Ratio Lower Upper

97 100

83 85.4 67.0 100.6

85 56.5 45.4 68.2

99 63.9 51.9 77.9

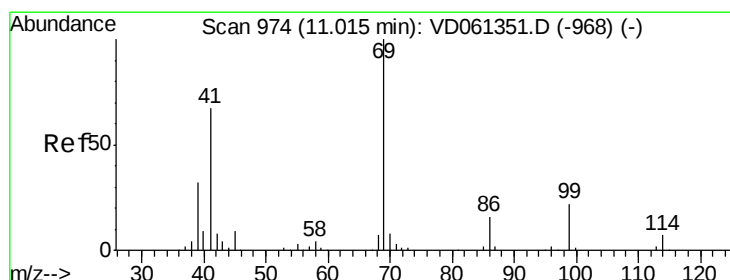
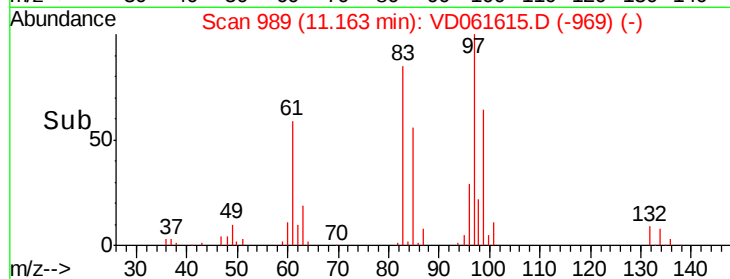
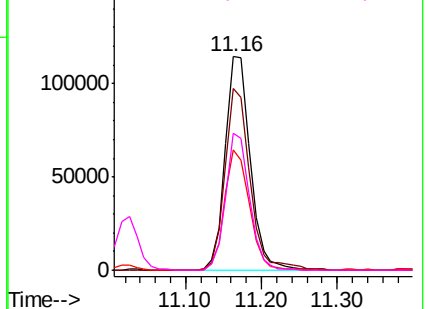


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 49.333 ug/l

RT: 11.02 min Scan# 974

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

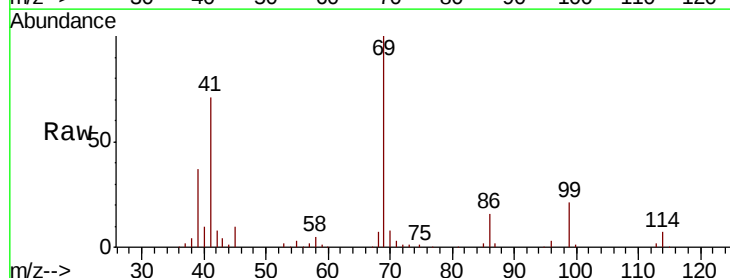
Tgt Ion: 69 Resp: 272071

Ion Ratio Lower Upper

69 100

41 71.4 53.8 80.6

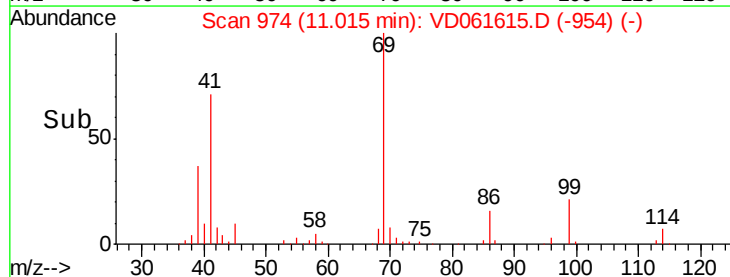
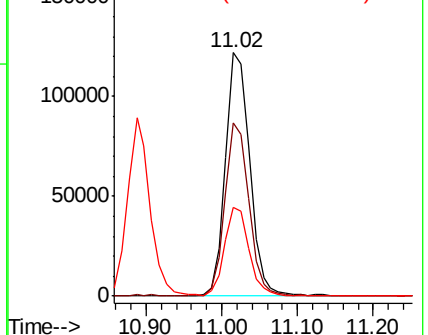
39 36.6 26.4 39.6

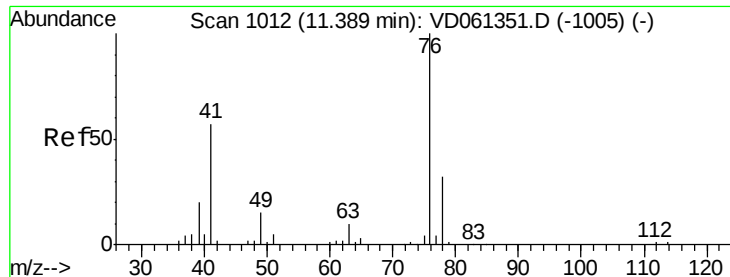


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

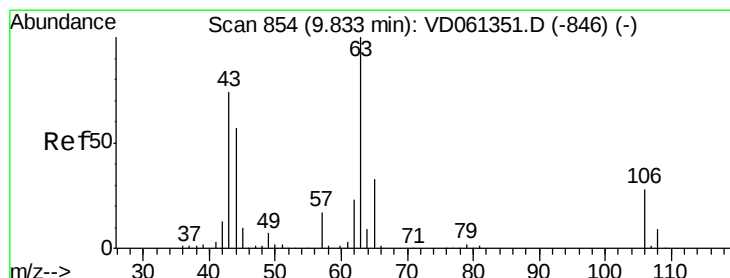
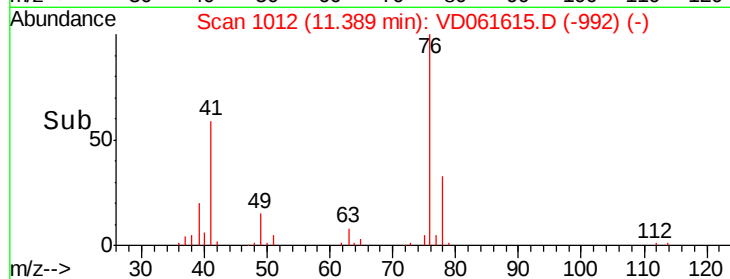
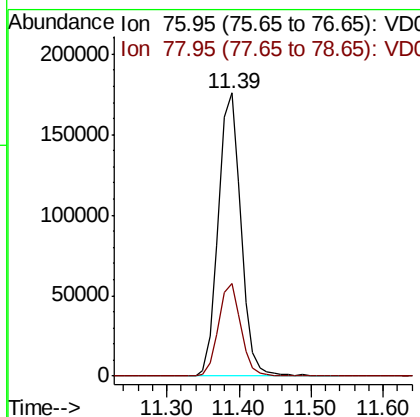
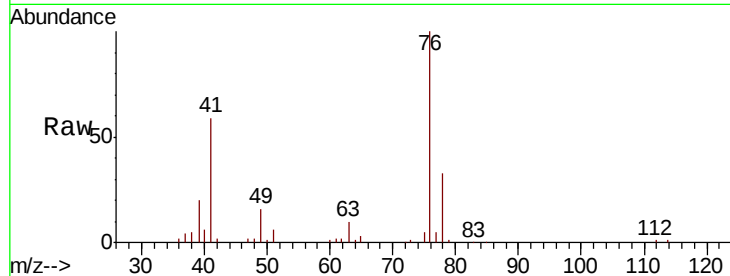




#57
 1,3-Dichloropropane
 Concen: 50.326 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

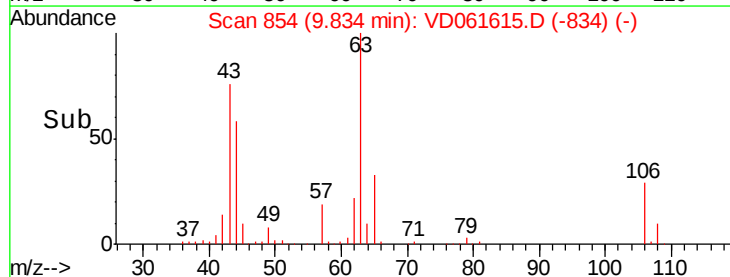
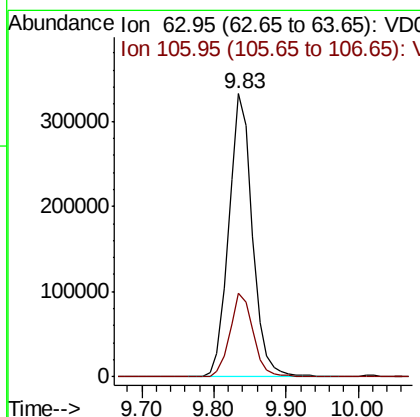
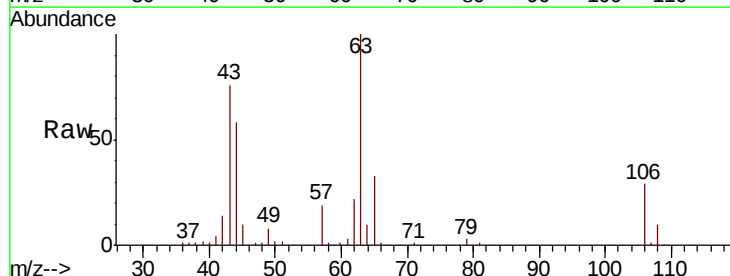
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 379743
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.070 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Tgt Ion: 63 Resp: 754894
 Ion Ratio Lower Upper
 63 100
 106 29.4 22.4 33.6

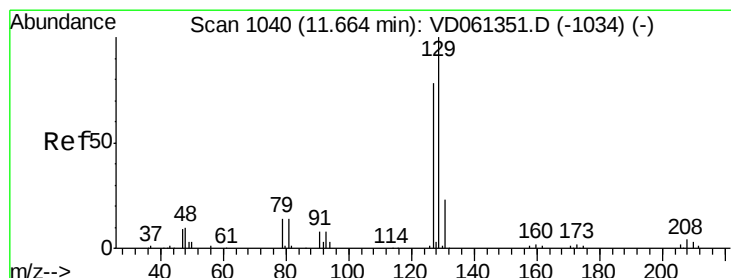
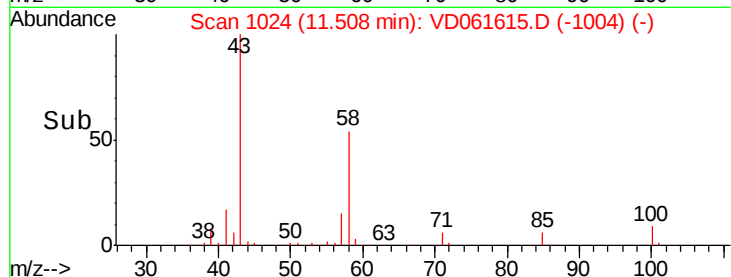
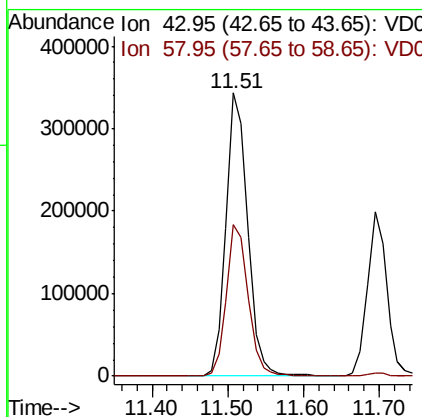
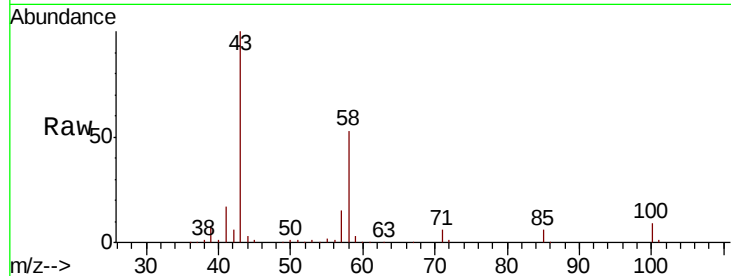




#59
2-Hexanone
Concen: 259.343 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

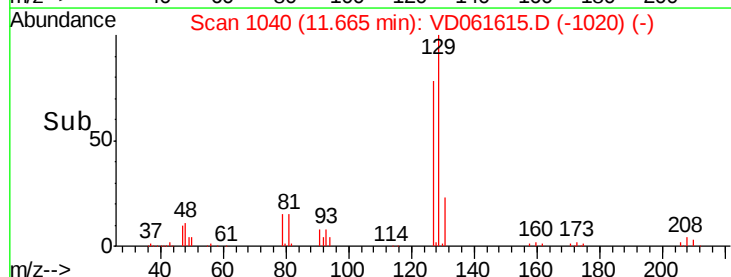
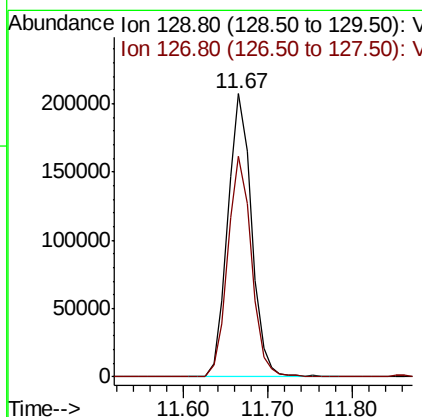
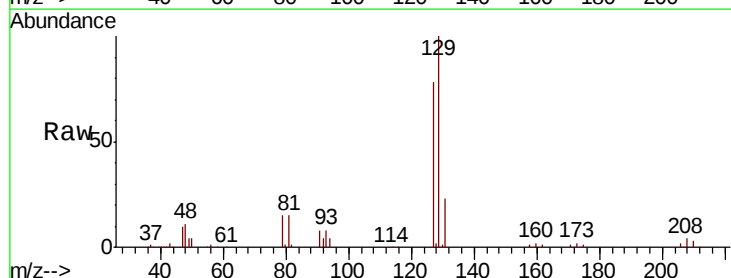
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

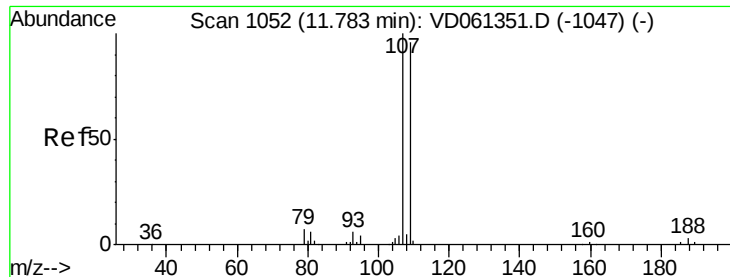
Tot Ion: 43 Resp: 682009
Ion Ratio Lower Upper
43 100
58 53.5 26.3 78.9



#60
Dibromochloromethane
Concen: 51.570 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion:129 Resp: 408135
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9

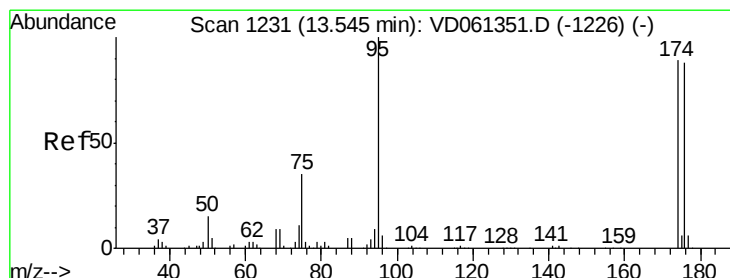
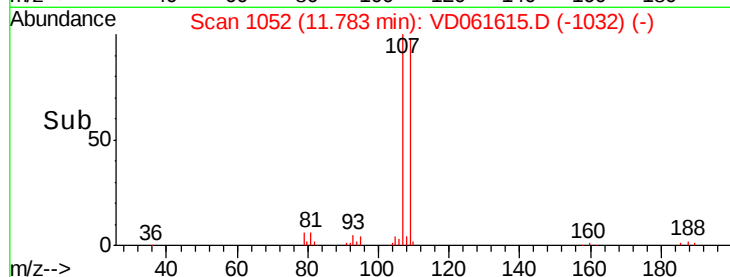
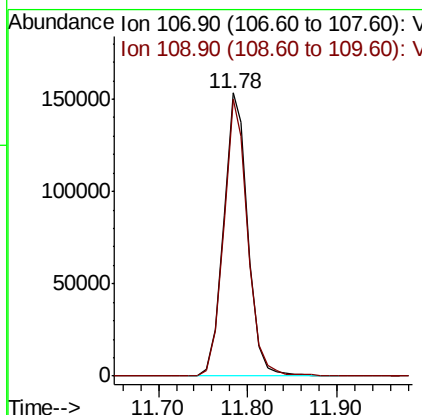
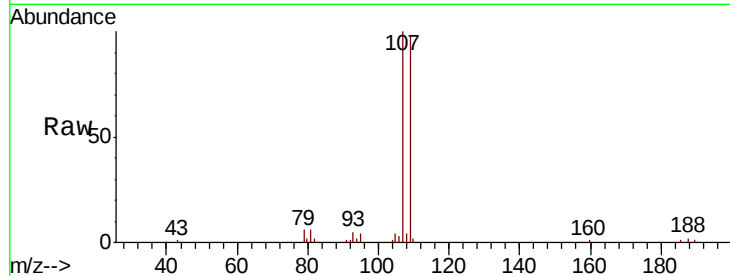




#61
 1,2-Dibromoethane
 Concen: 49.257 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

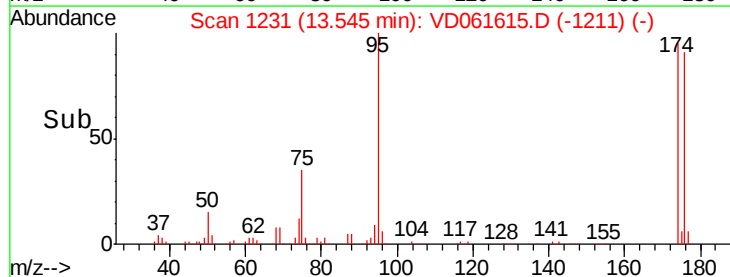
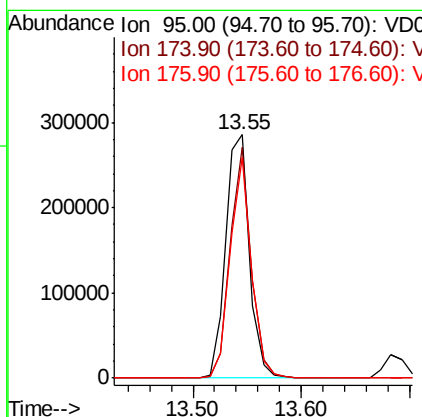
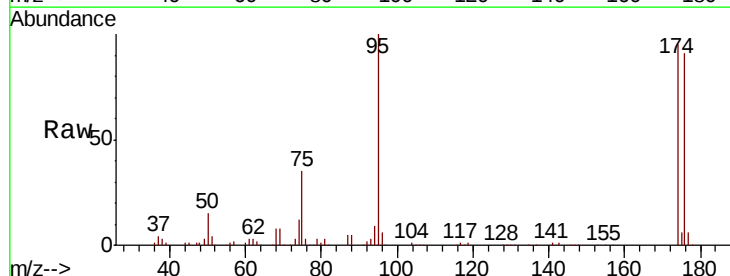
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 292816
 Ion Ratio Lower Upper
 107 100
 109 97.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 49.257 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Tgt Ion: 95 Resp: 435630
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 178.0
 176 90.8 0.0 175.0

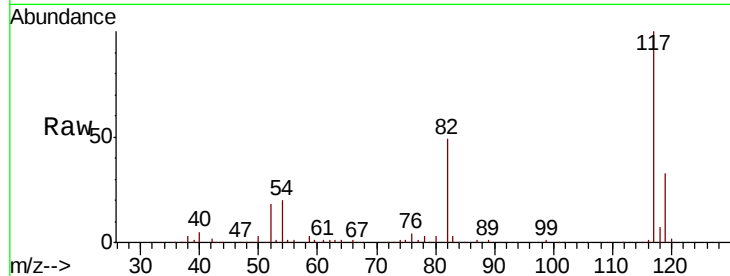




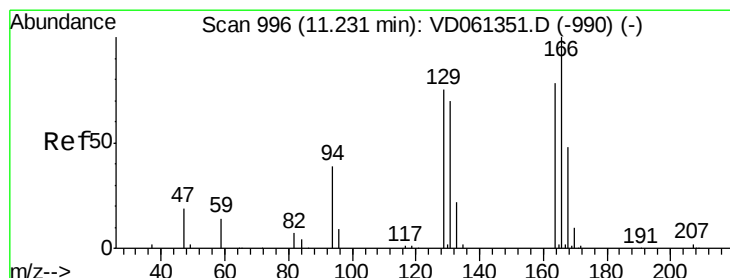
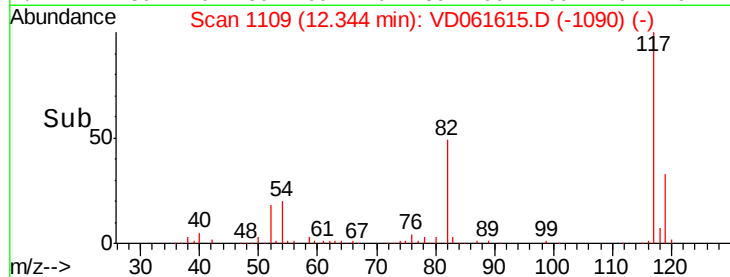
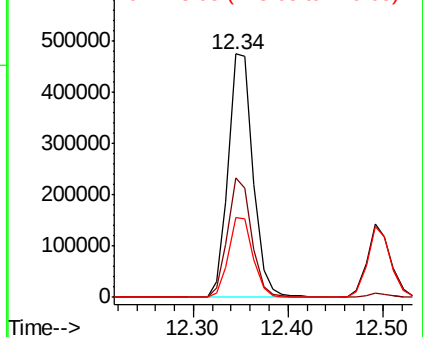
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.34 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 864288
Ion Ratio Lower Upper
117 100
82 49.0 34.4 51.6
119 32.8 25.8 38.6

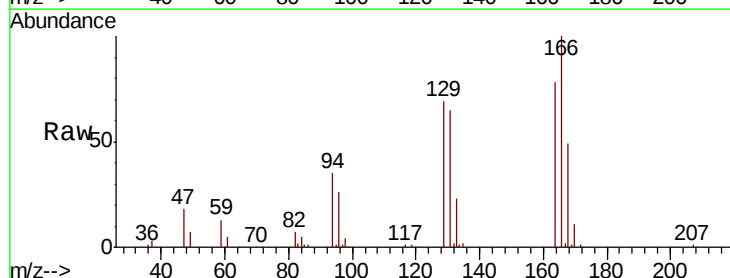


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

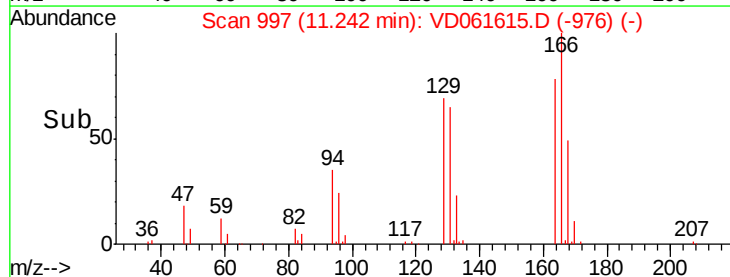
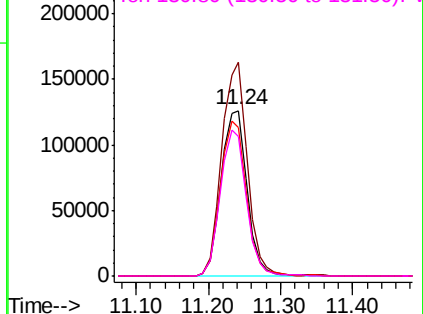


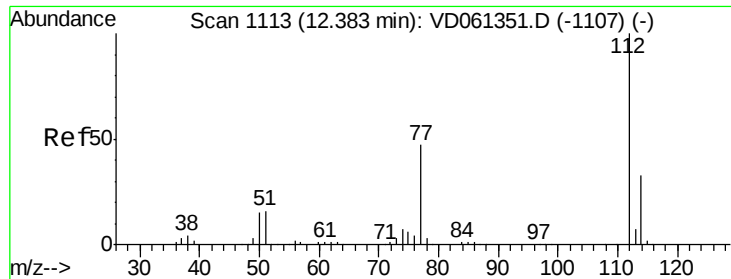
#64
Tetrachloroethene
Concen: 46.322 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion:164 Resp: 314207
Ion Ratio Lower Upper
164 100
166 129.0 102.4 153.6
129 89.5 76.8 115.2
131 84.3 71.8 107.6



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

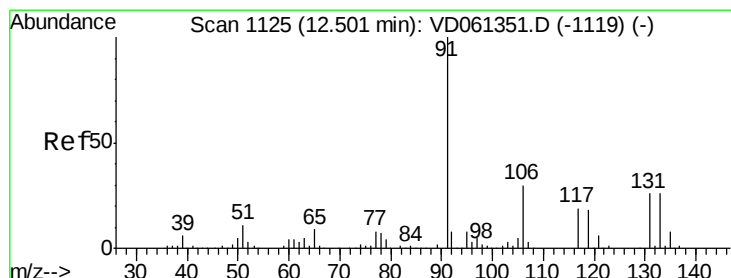
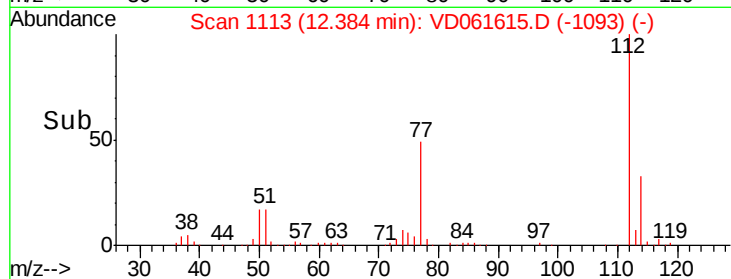
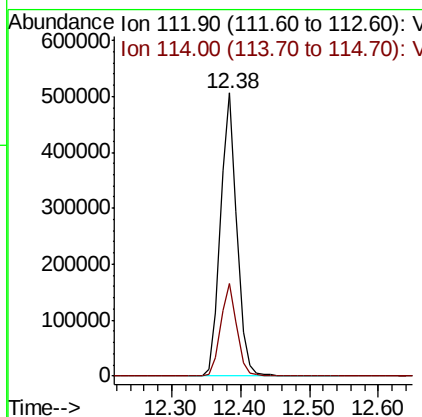
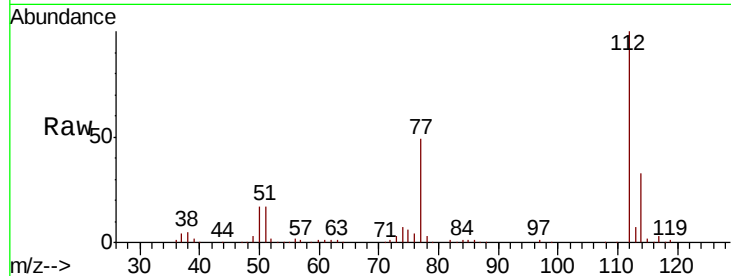




#65
Chlorobenzene
Concen: 47.120 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

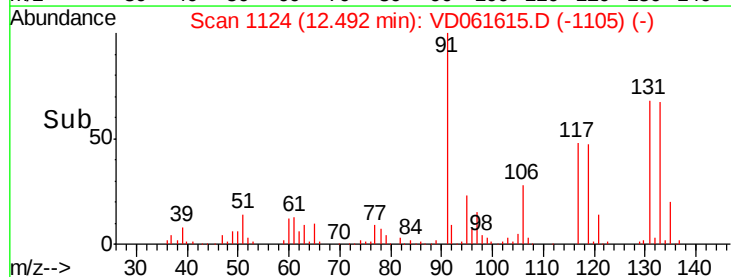
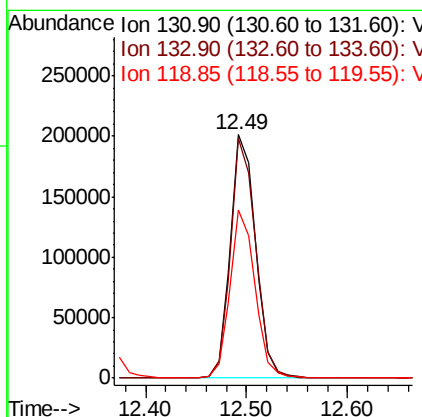
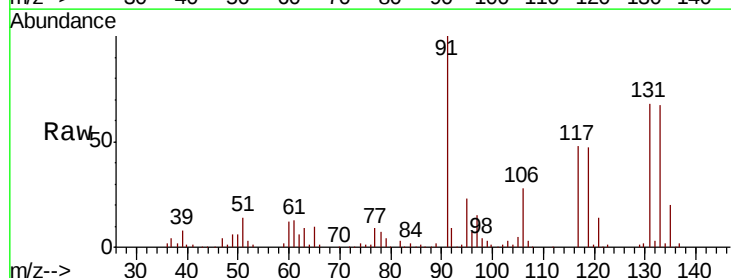
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

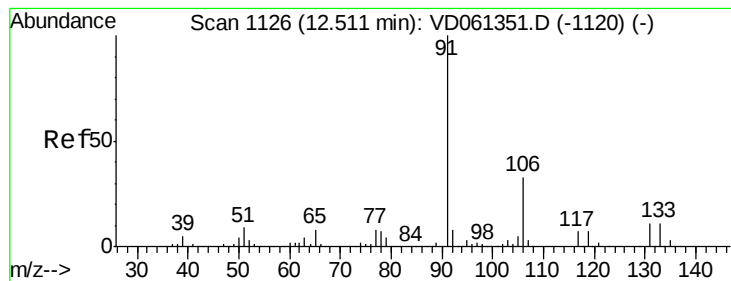
Tot Ion:112 Resp: 832285
Ion Ratio Lower Upper
112 100
114 32.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.169 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion:131 Resp: 349945
Ion Ratio Lower Upper
131 100
133 98.6 49.4 148.2
119 68.8 34.1 102.2





#67

Ethyl Benzene

Concen: 49.499 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

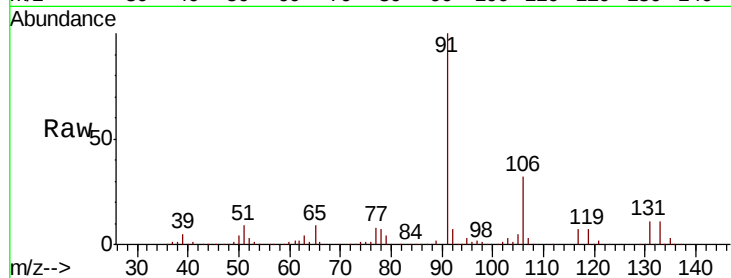
VSTDCCC050

Tot Ion: 91 Resp: 1334521

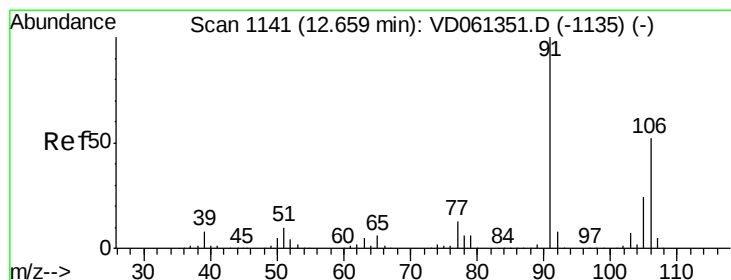
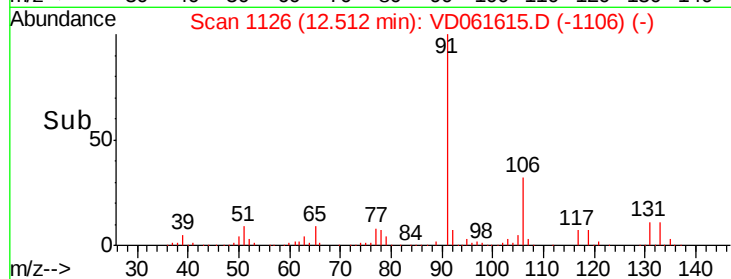
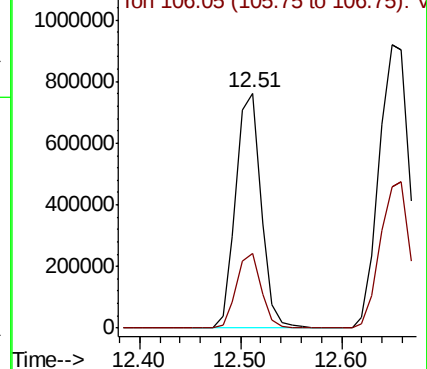
Ion Ratio Lower Upper

91 100

106 31.8 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 96.786 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VD061615.D

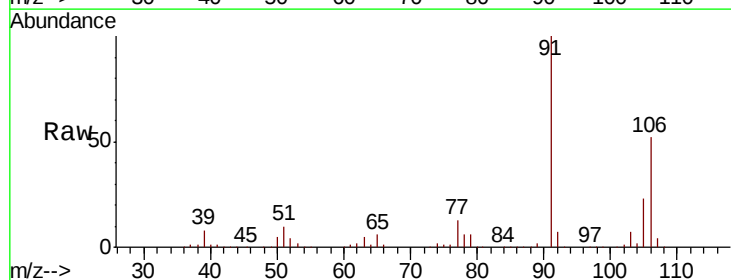
Acq: 5 Apr 2019 11:27

Tgt Ion:106 Resp: 988446

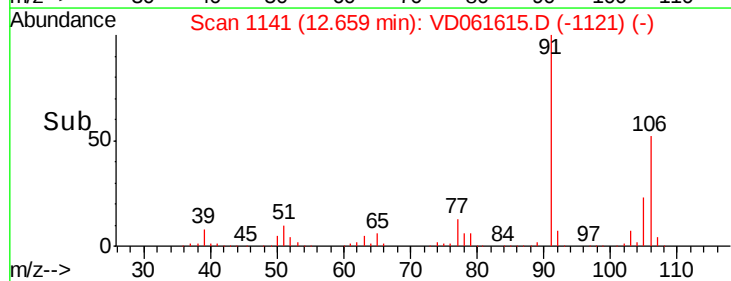
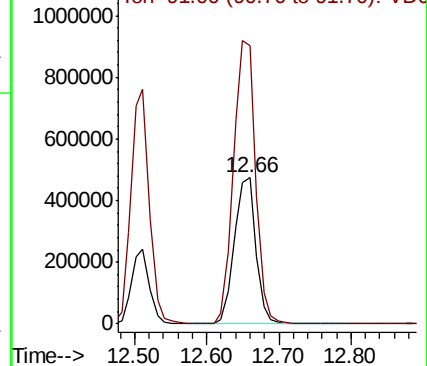
Ion Ratio Lower Upper

106 100

91 190.6 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

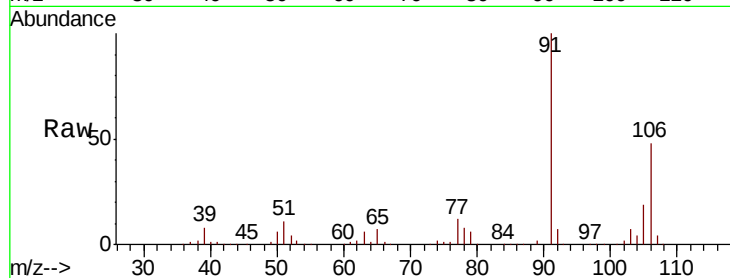




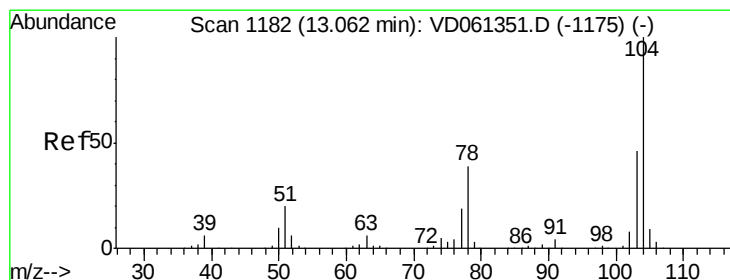
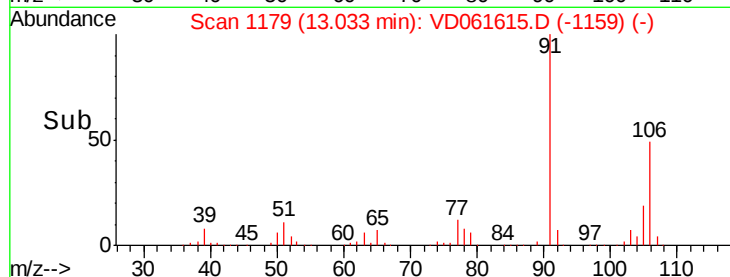
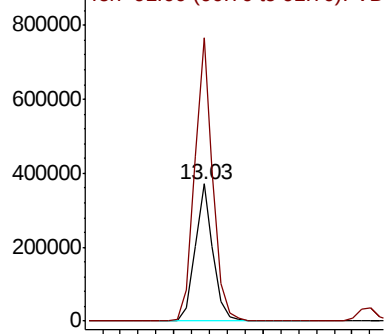
#69
o-Xylene
Concen: 53.098 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 526233
Ion Ratio Lower Upper
106 100
91 206.2 103.8 311.3

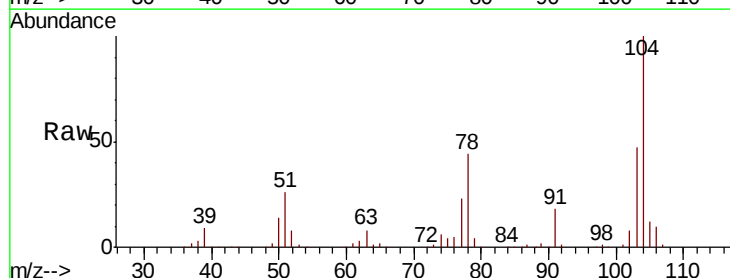


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

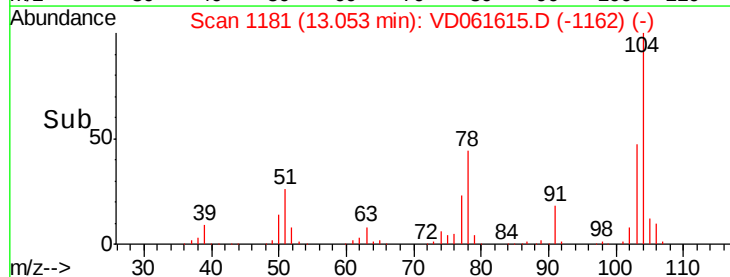
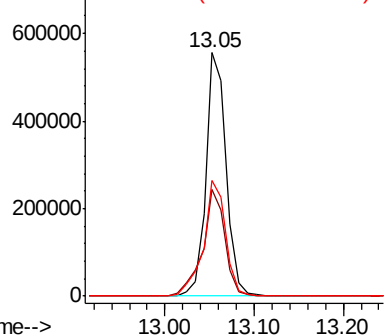


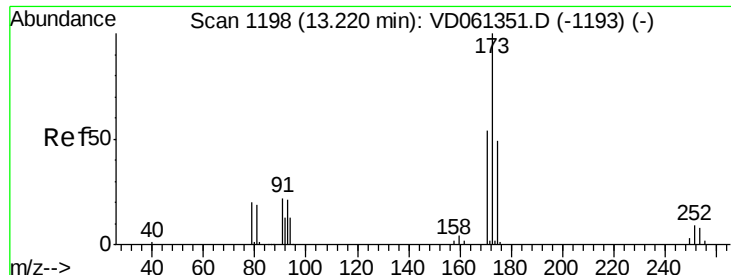
#70
Styrene
Concen: 51.035 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion:104 Resp: 881693
Ion Ratio Lower Upper
104 100
78 43.8 31.0 46.6
103 47.4 37.0 55.4



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

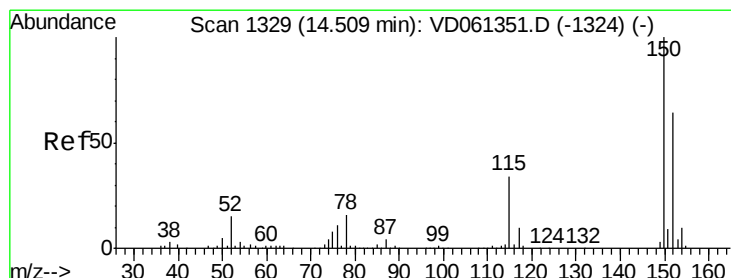
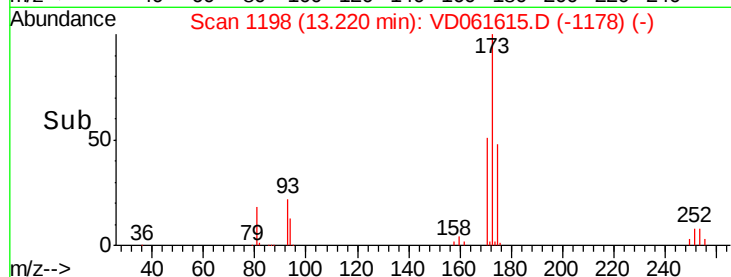
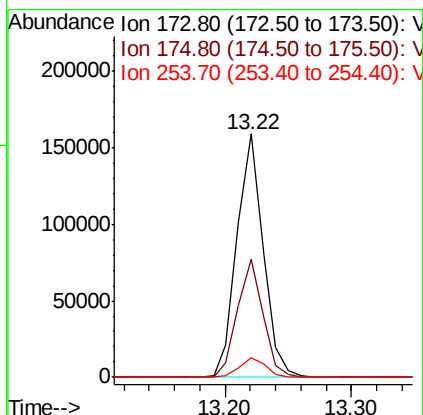
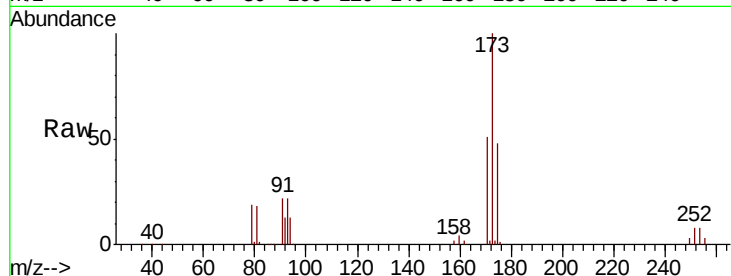




#71
Bromoform
Concen: 52.859 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

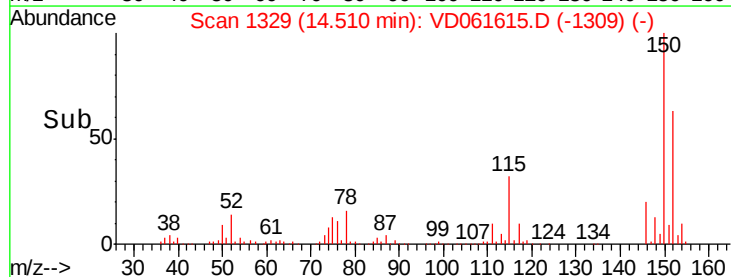
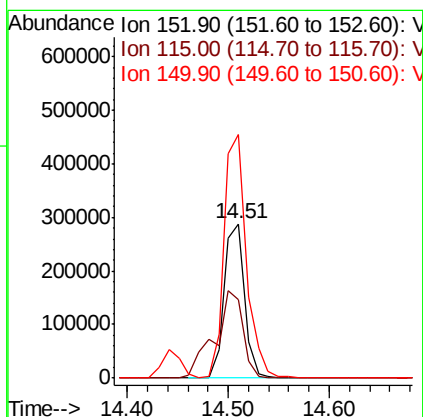
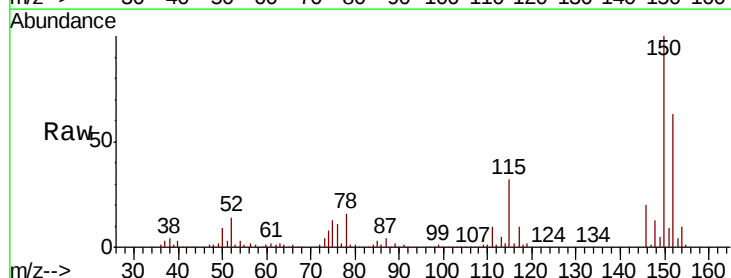
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

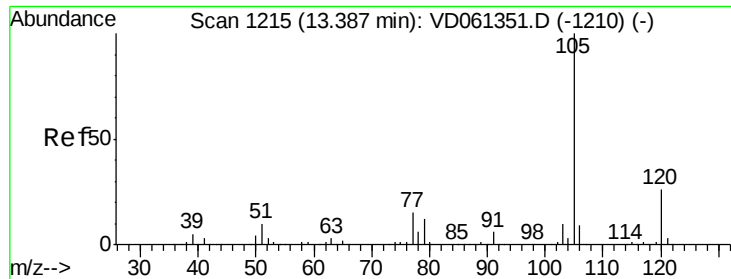
Tot Ion:173 Resp: 229157
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.8
254 8.3 6.6 10.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion:152 Resp: 406294
Ion Ratio Lower Upper
152 100
115 50.8 26.9 80.6
150 158.0 0.0 318.0





#73

Isopropylbenzene

Concen: 47.713 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

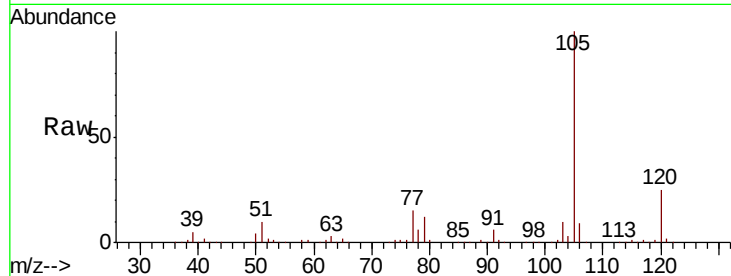
VSTDCCC050

Tot Ion:105 Resp: 1349218

Ion Ratio Lower Upper

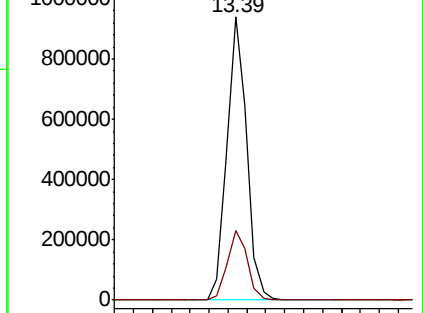
105 100

120 24.6 12.8 38.3

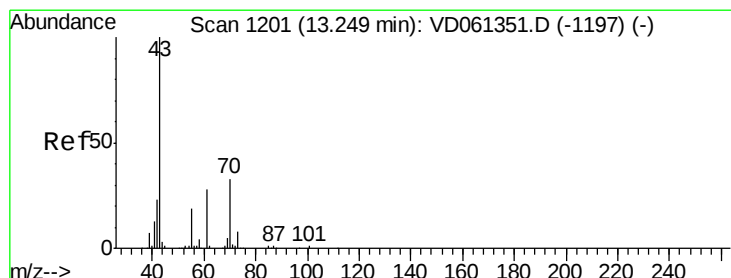
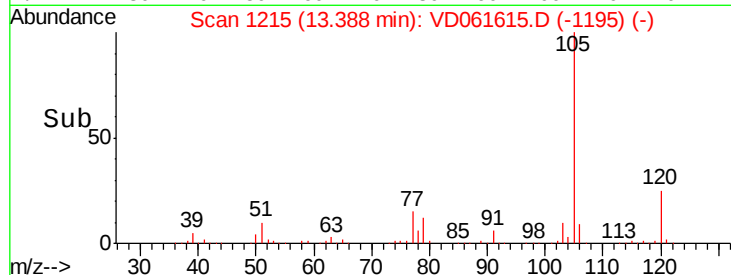


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 48.662 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Tgt Ion: 43 Resp: 383329

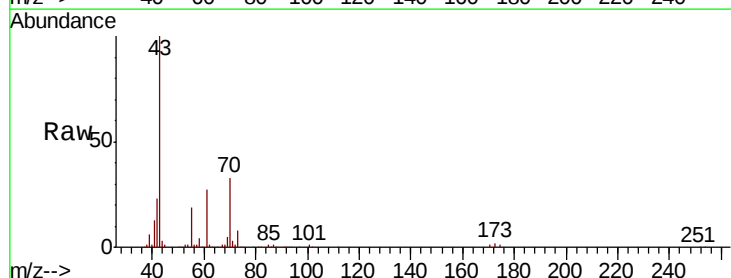
Ion Ratio Lower Upper

43 100

70 33.4 26.6 40.0

55 18.6 15.4 23.2

61 27.2 22.2 33.4

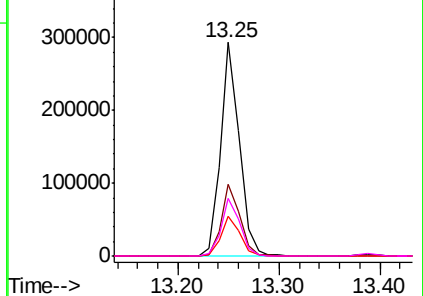


Abundance Ion 42.95 (42.65 to 43.65): VDC

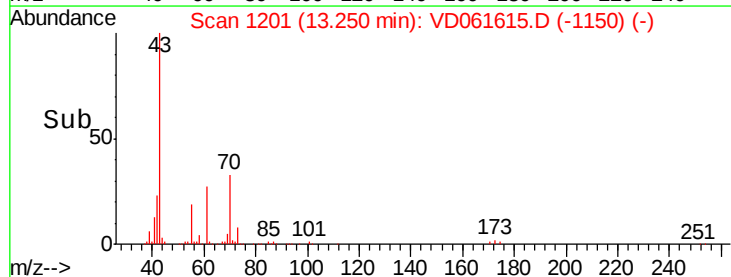
Ion 70.00 (69.70 to 70.70): VDC

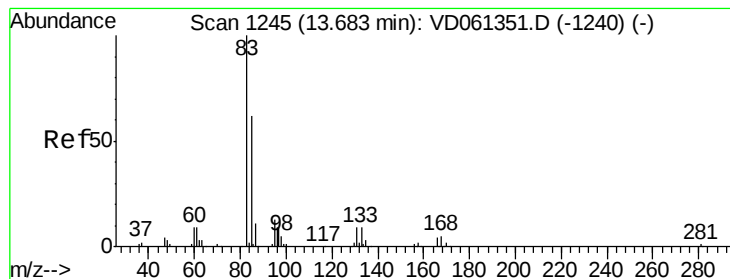
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.713 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

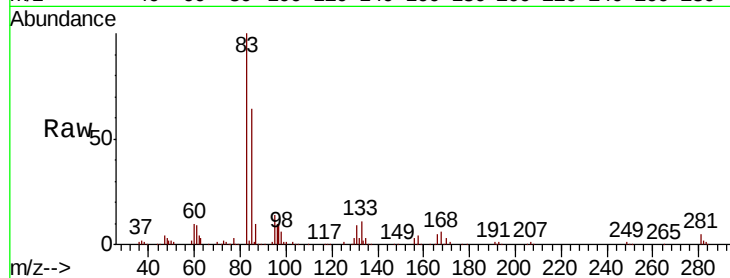
Tot Ion: 83 Resp: 284614

Ion Ratio Lower Upper

83 100

131 9.1 4.3 13.1

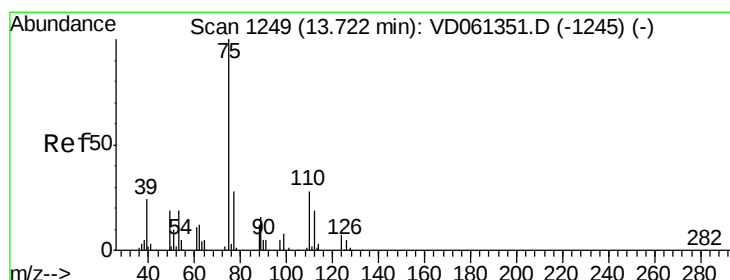
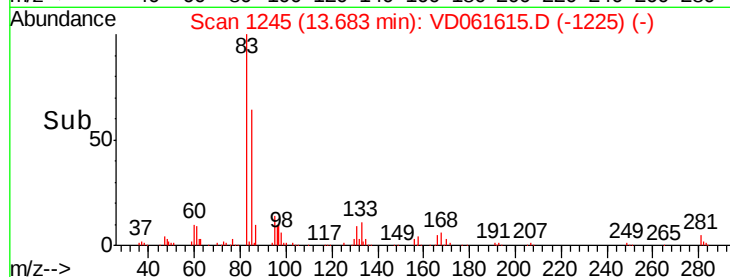
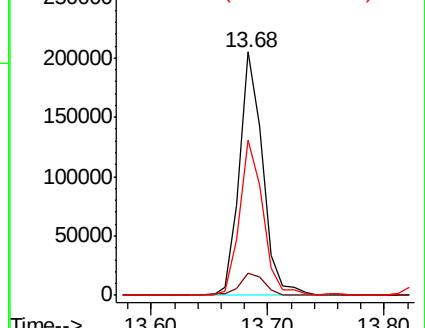
85 63.8 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 47.829 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061615.D

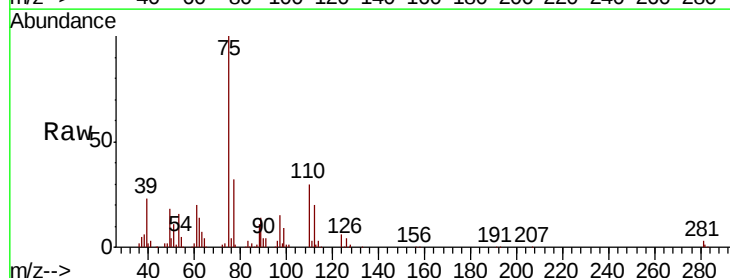
Acq: 5 Apr 2019 11:27

Tgt Ion: 75 Resp: 280709

Ion Ratio Lower Upper

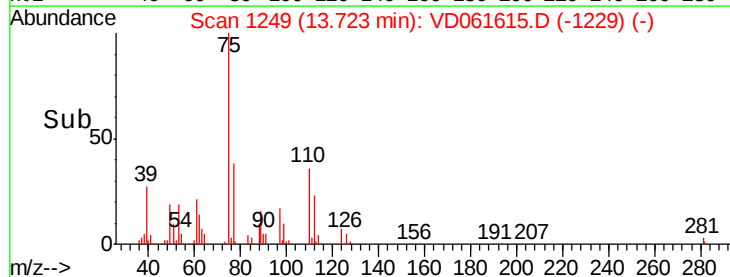
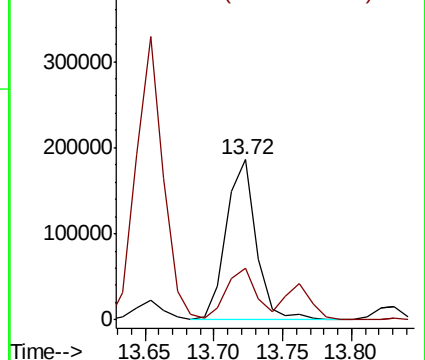
75 100

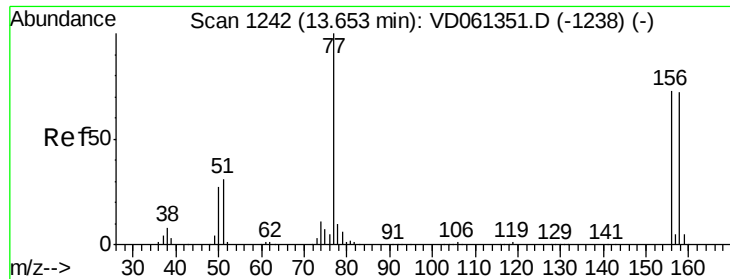
77 32.0 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 44.383 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

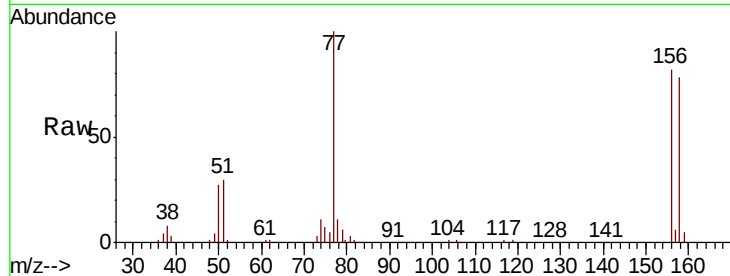
Tot Ion:156 Resp: 372068

Ion Ratio Lower Upper

156 100

77 122.4 68.5 205.6

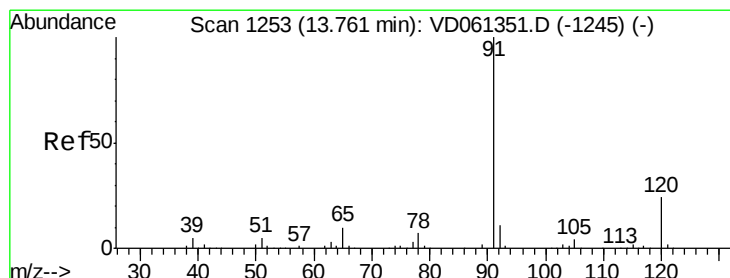
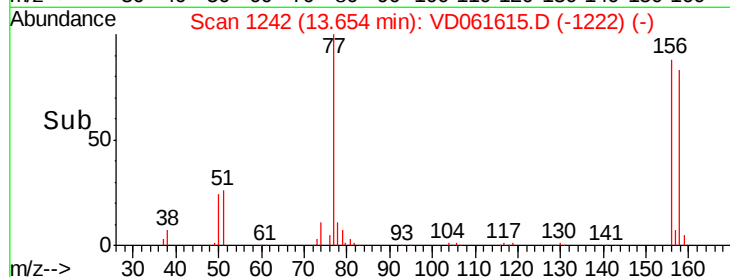
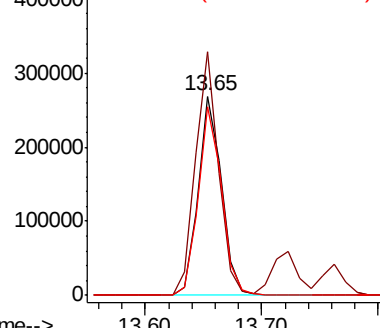
158 94.9 49.1 147.3



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: 45.006 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061615.D

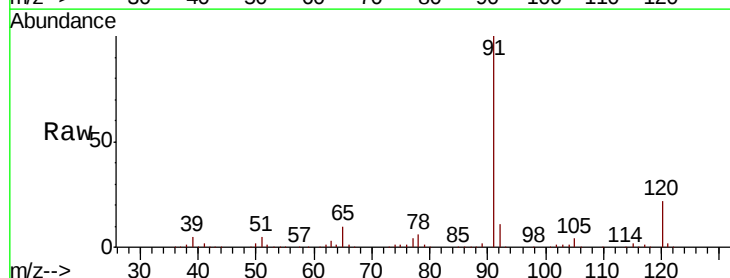
Acq: 5 Apr 2019 11:27

Tgt Ion: 91 Resp: 1557446

Ion Ratio Lower Upper

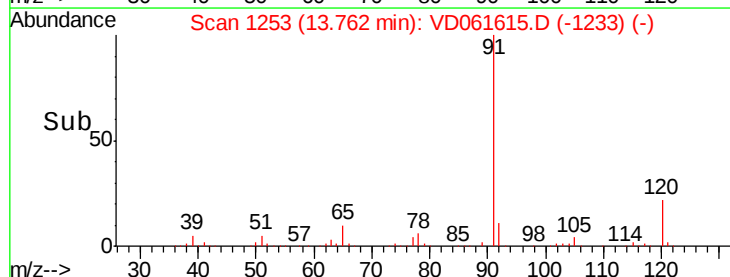
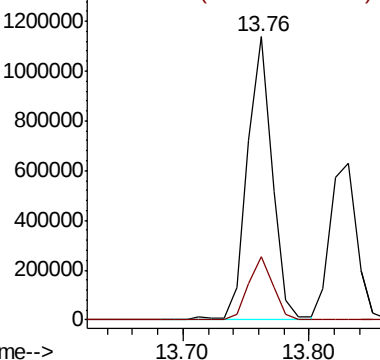
91 100

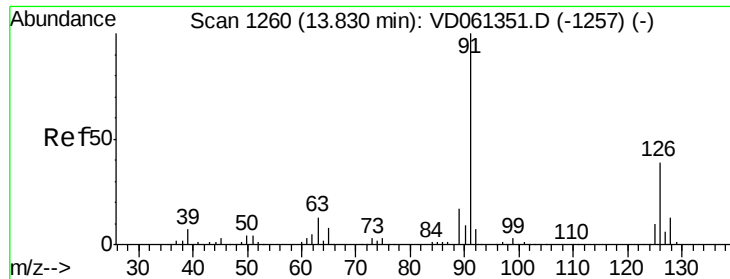
120 22.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

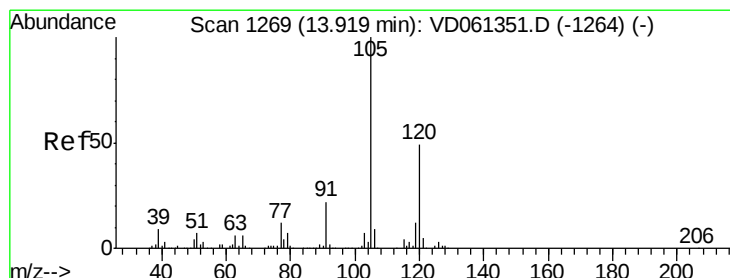
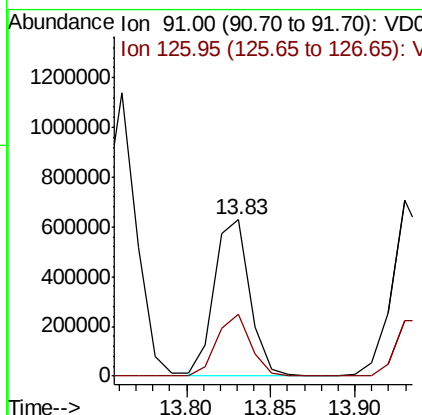
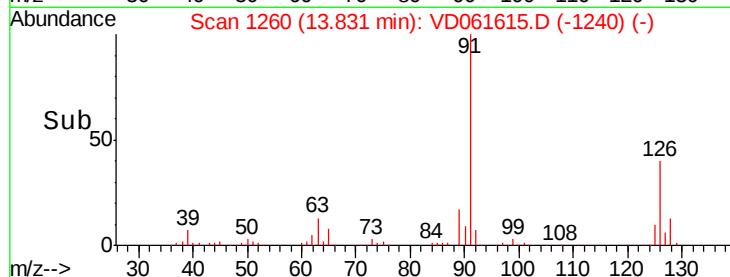
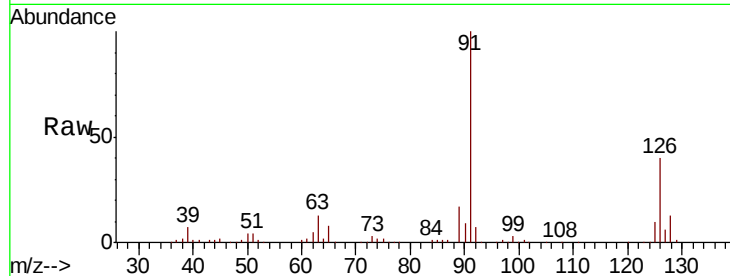




#79
2-Chlorotoluene
Concen: 49.067 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

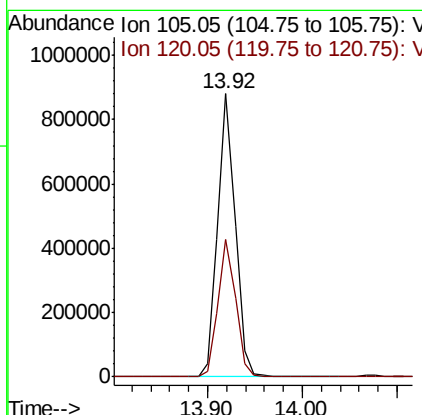
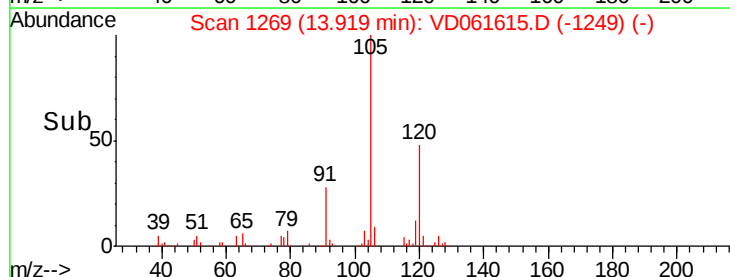
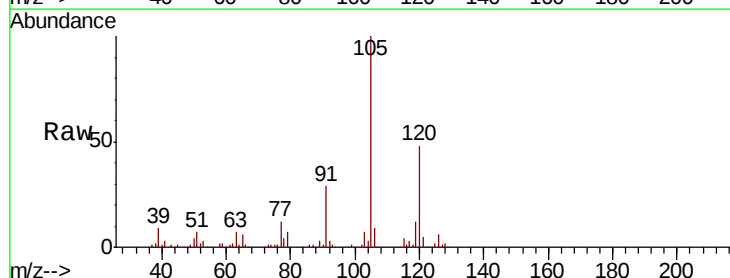
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

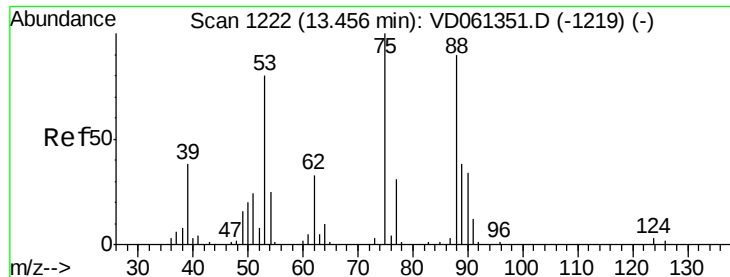
Tot Ion: 91 Resp: 921962
Ion Ratio Lower Upper
91 100
126 39.9 19.4 58.2



#80
1,3,5-Trimethylbenzene
Concen: 51.503 ug/l
RT: 13.92 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion:105 Resp: 1129991
Ion Ratio Lower Upper
105 100
120 48.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.994 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

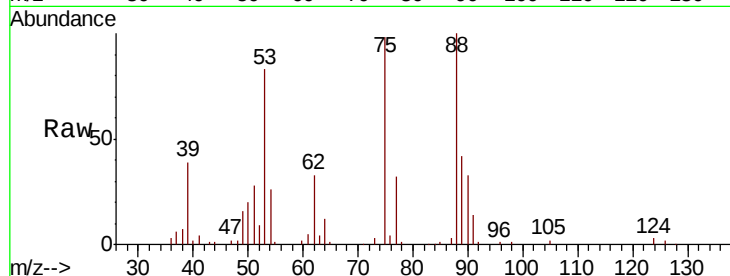
Tot Ion: 75 Resp: 89463

Ion Ratio Lower Upper

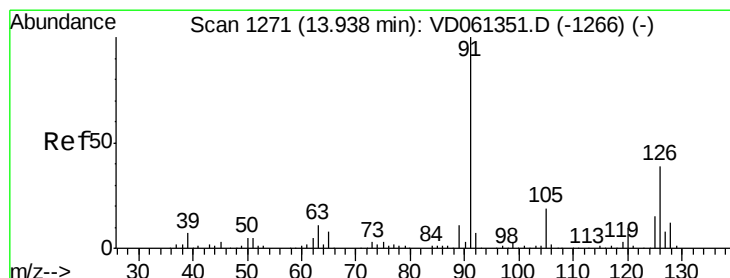
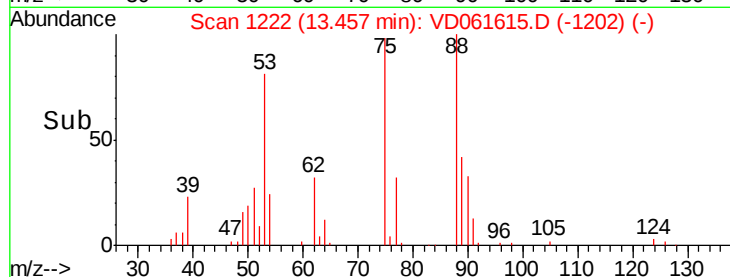
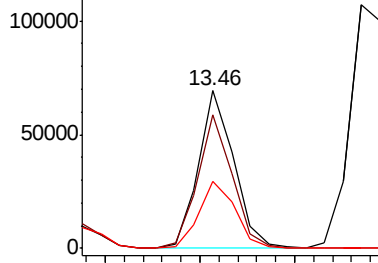
75 100

53 84.5 63.8 95.8

89 42.7 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 51.141 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD061615.D

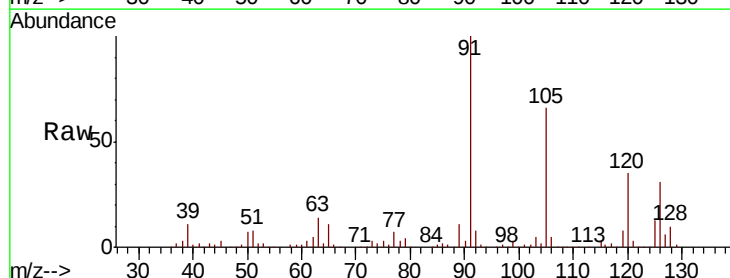
Acq: 5 Apr 2019 11:27

Tgt Ion: 91 Resp: 1044851

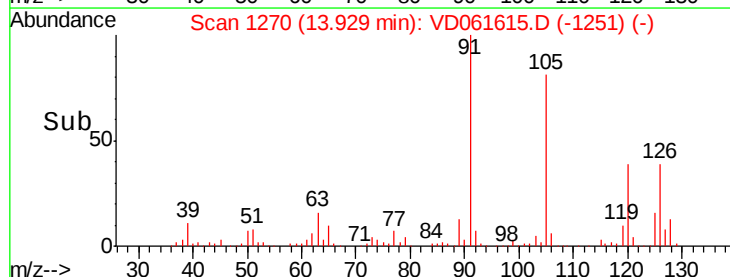
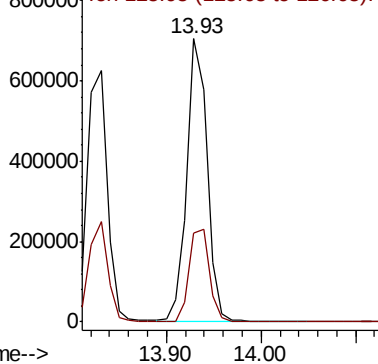
Ion Ratio Lower Upper

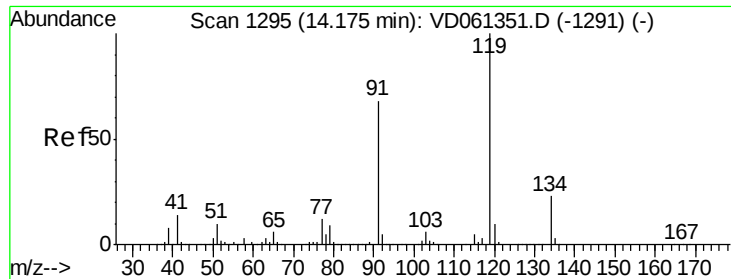
91 100

126 31.4 19.6 58.8



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

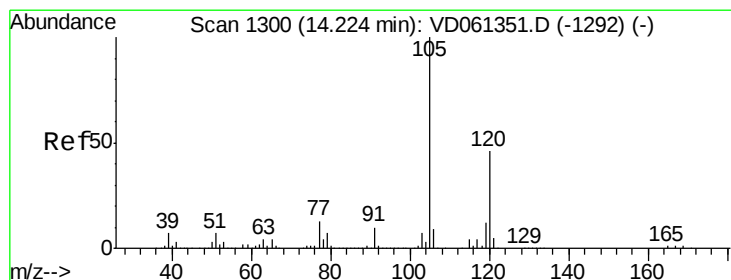
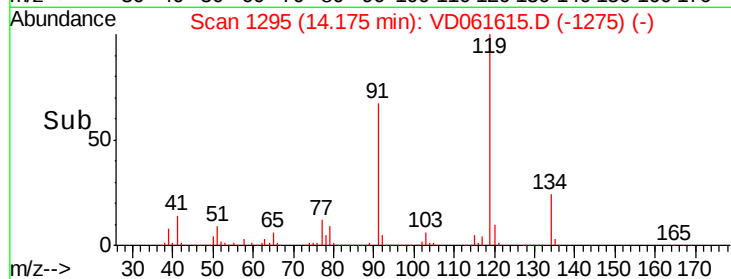
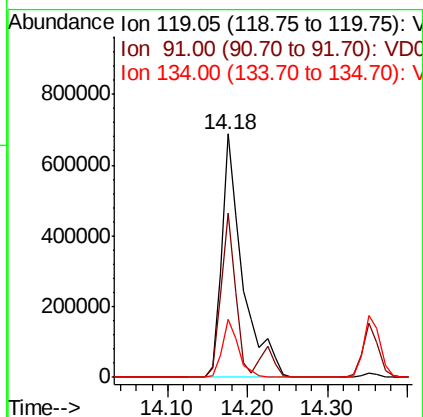
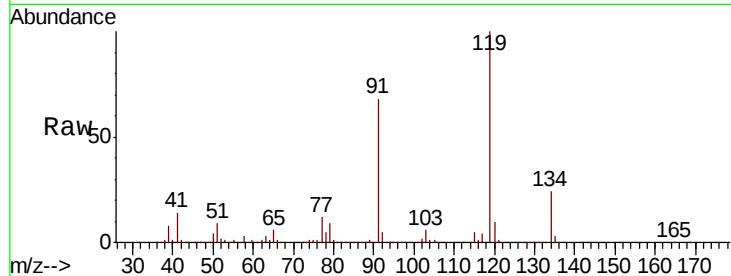




#83
tert-Butylbenzene
Concen: 46.225 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

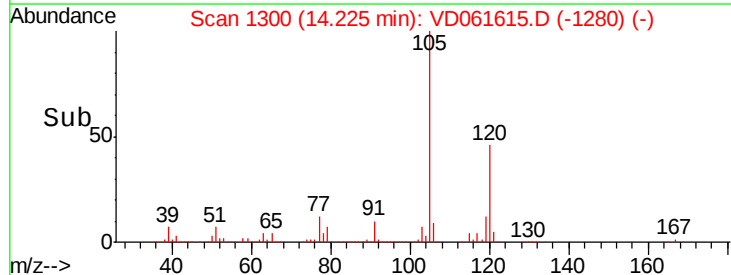
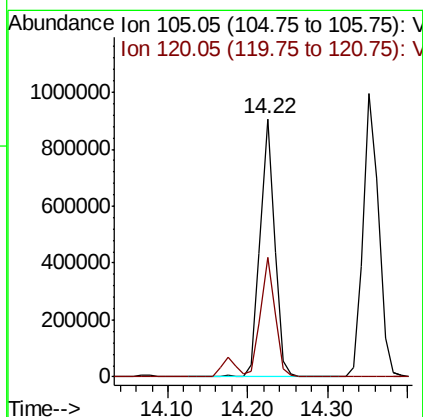
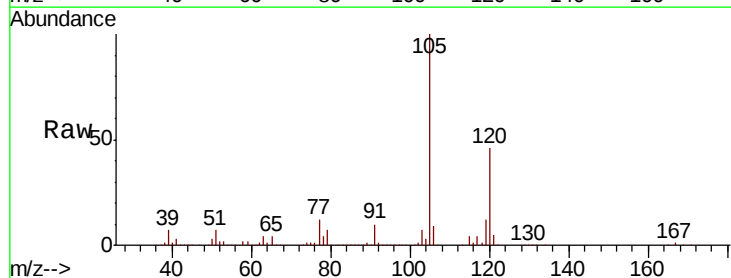
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1267446
Ion Ratio Lower Upper
119 100
91 67.6 34.1 102.3
134 23.7 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 47.373 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VD061615.D
Acq: 5 Apr 2019 11:27

Tgt Ion:105 Resp: 1125265
Ion Ratio Lower Upper
105 100
120 46.1 22.8 68.4





#85

sec-Butylbenzene

Concen: 46.211 ug/l

RT: 14.35 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

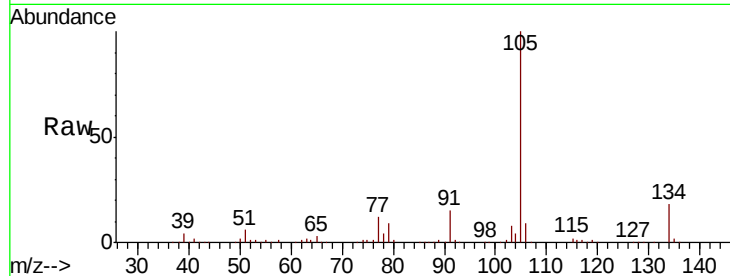
VSTDCCC050

Tot Ion:105 Resp: 1346067

Ion Ratio Lower Upper

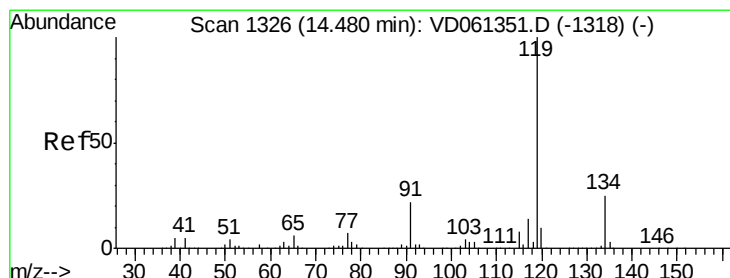
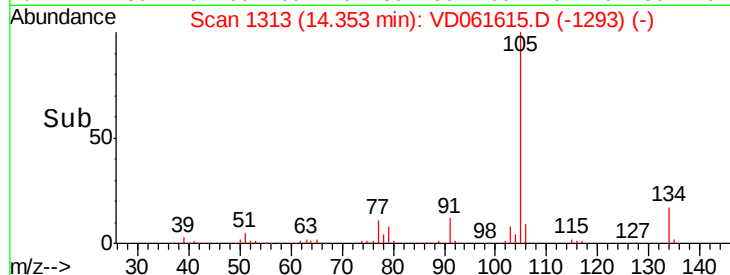
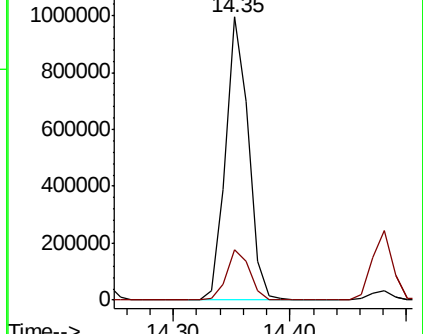
105 100

134 17.8 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.355 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

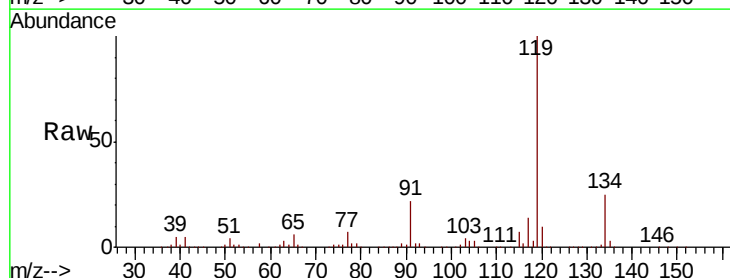
Tgt Ion:119 Resp: 1240287

Ion Ratio Lower Upper

119 100

134 25.2 12.3 36.8

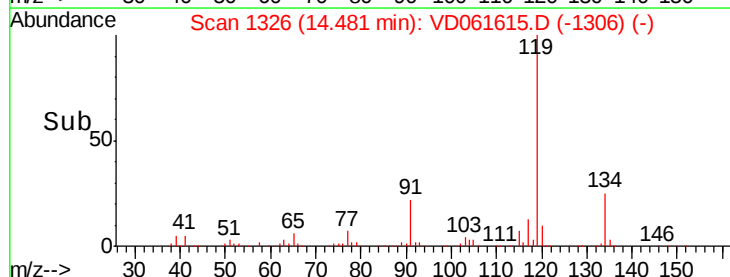
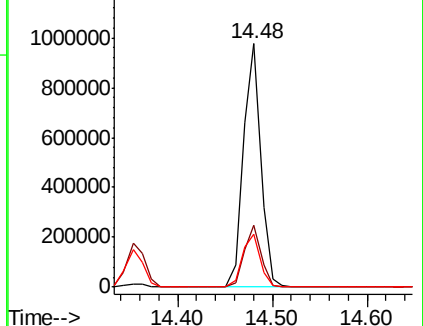
91 21.7 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

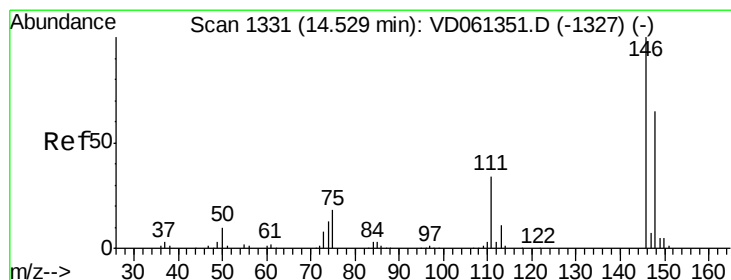
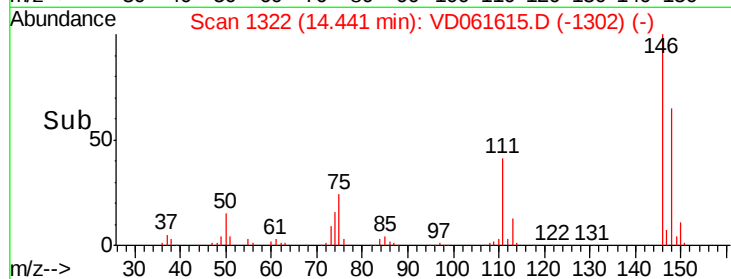
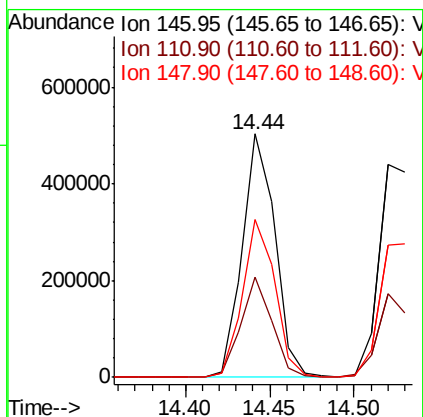
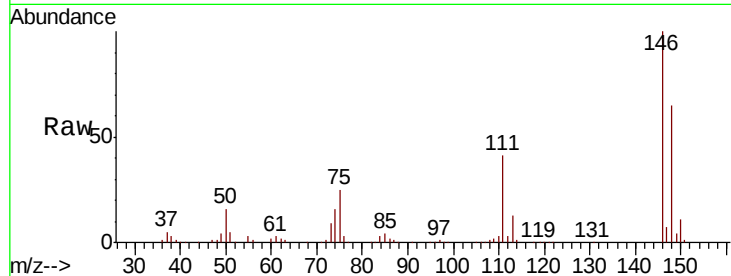




#87
 1,3-Dichlorobenzene
 Concen: 47.964 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

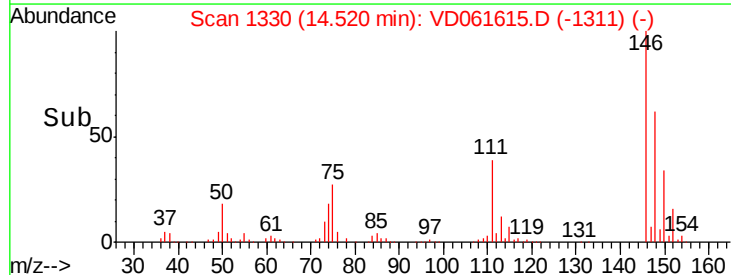
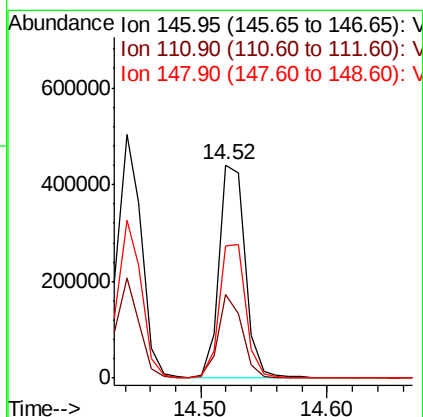
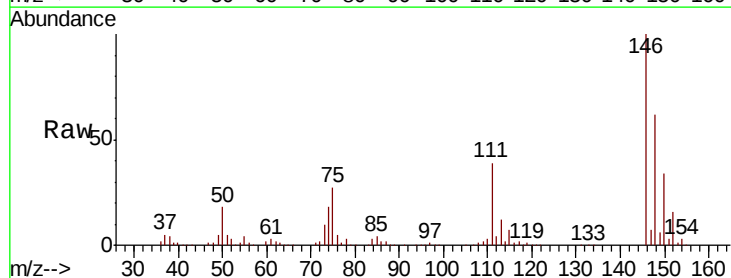
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 680892
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.6 61.9
 148 65.0 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 45.530 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Tgt Ion:146 Resp: 630310
 Ion Ratio Lower Upper
 146 100
 111 39.3 16.8 50.4
 148 62.1 32.6 98.0





#89

n-Butylbenzene

Concen: 50.377 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

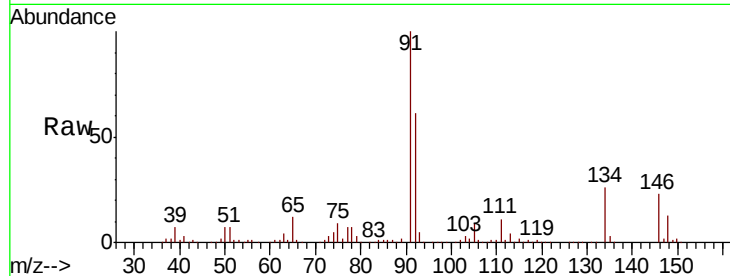
Tot Ion: 91 Resp: 1138898

Ion Ratio Lower Upper

91 100

92 61.2 30.3 91.0

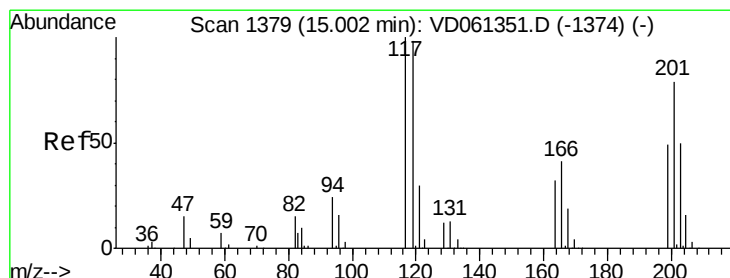
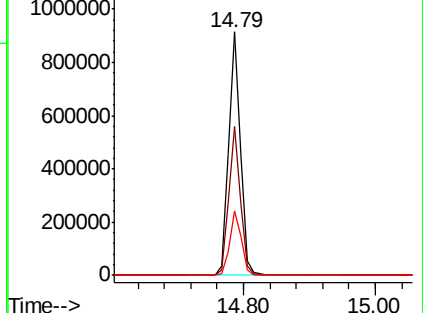
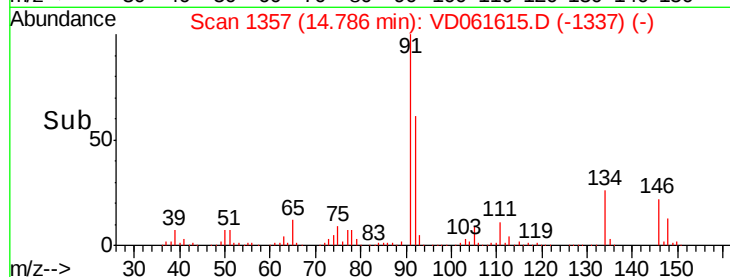
134 26.4 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 47.744 ug/l

RT: 14.99 min Scan# 1378

Delta R.T. -0.01 min

Lab File: VD061615.D

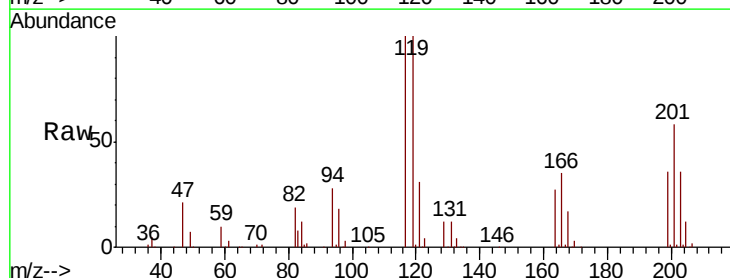
Acq: 5 Apr 2019 11:27

Tgt Ion: 117 Resp: 332226

Ion Ratio Lower Upper

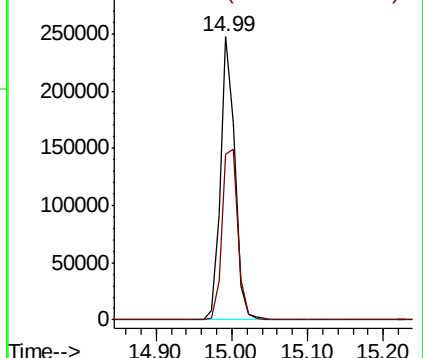
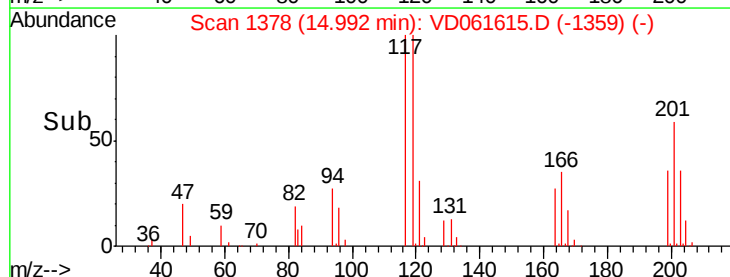
117 100

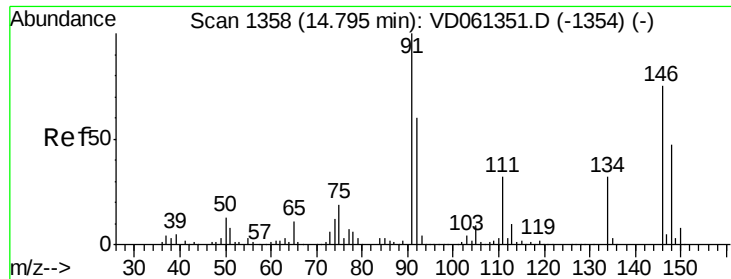
201 58.4 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

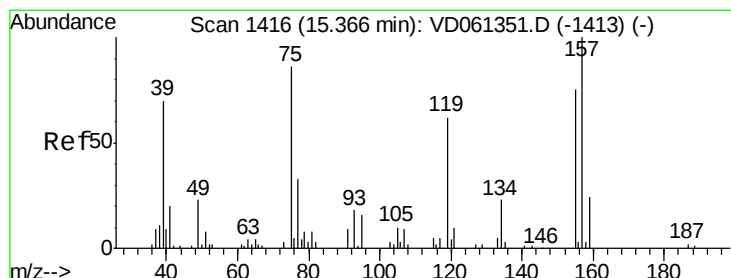
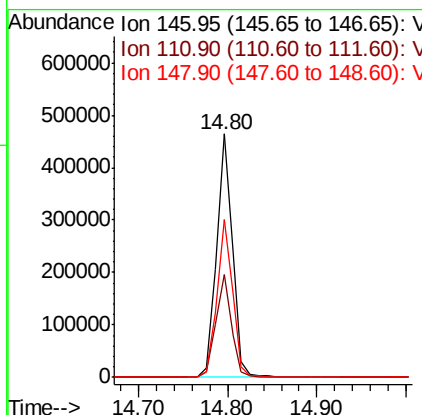
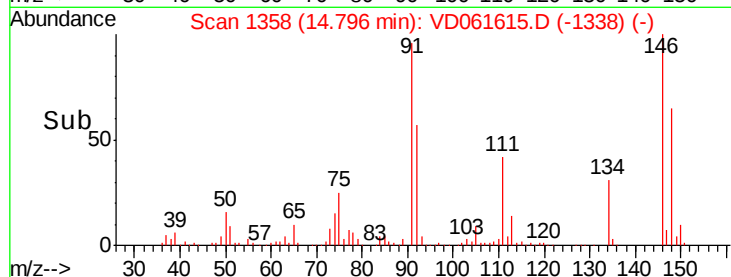
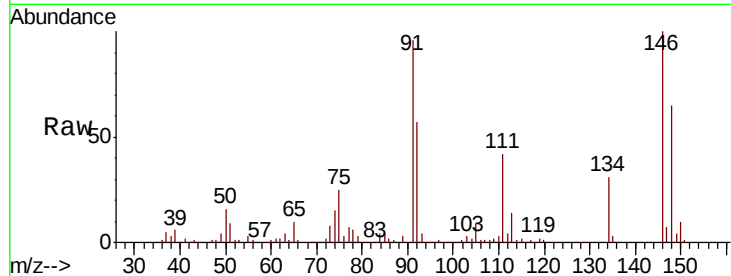




#91
 1,2-Dichlorobenzene
 Concen: 49.406 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

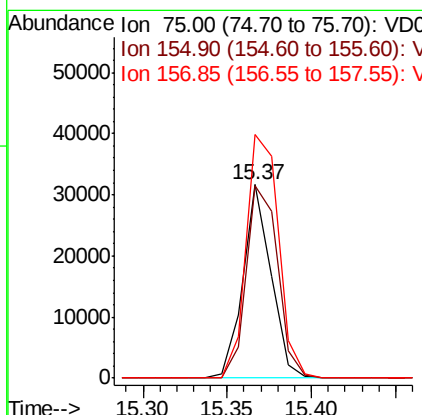
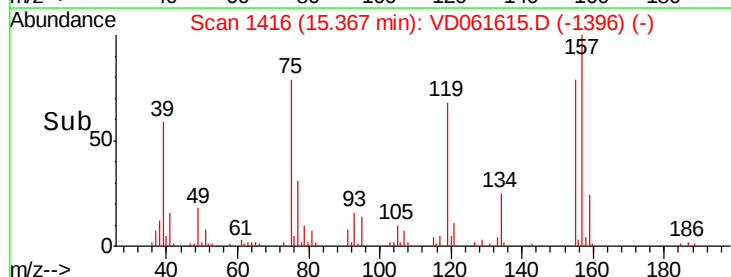
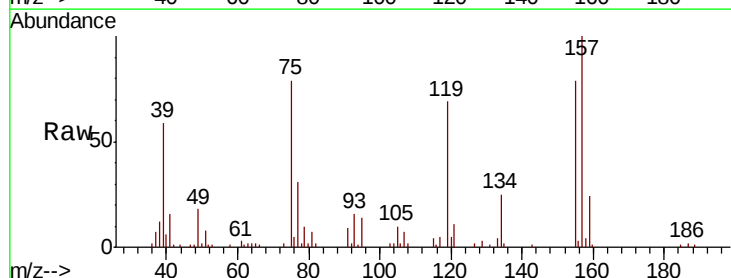
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

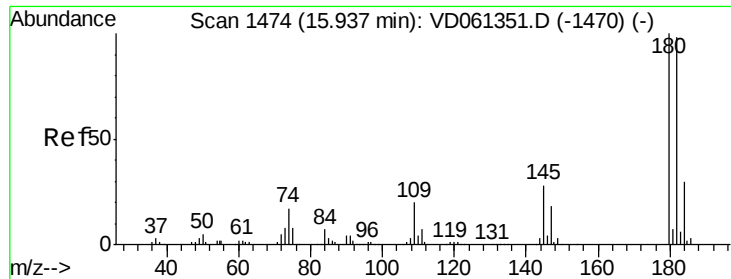
Tot Ion:146 Resp: 575288
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.2 63.6
 148 65.0 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.328 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Tgt Ion: 75 Resp: 36610
 Ion Ratio Lower Upper
 75 100
 155 99.3 43.6 130.9
 157 126.0 58.5 175.3

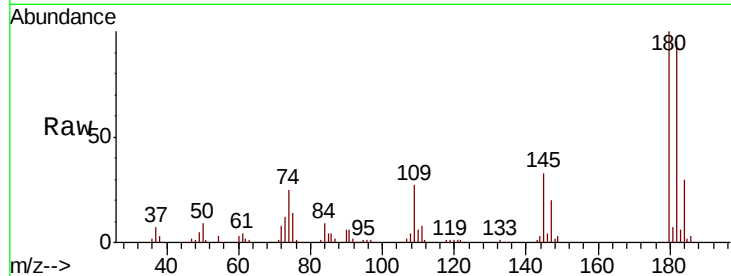




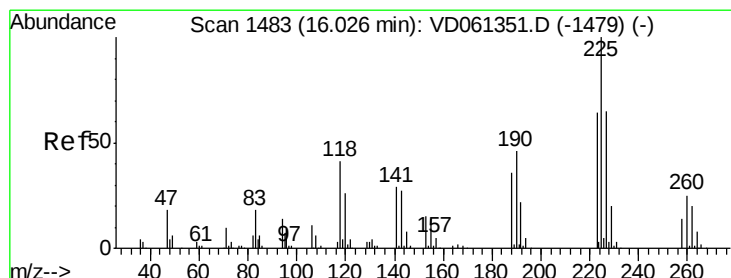
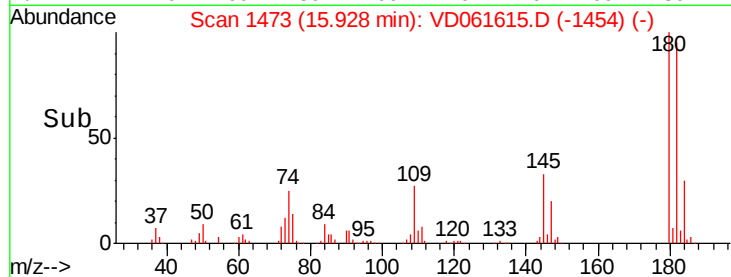
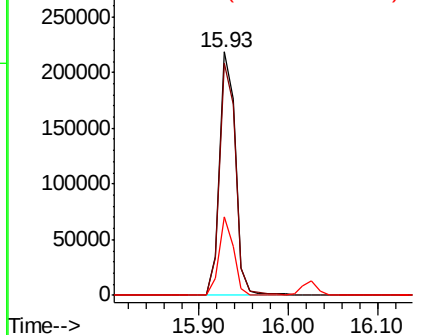
#93
 1,2,4-Trichlorobenzene
 Concen: 52.185 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.9	146.8
145	32.5	14.1	42.3

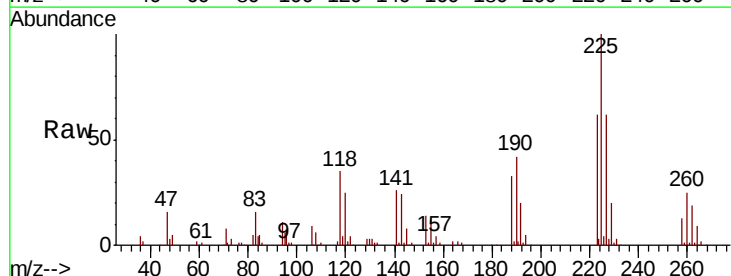


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

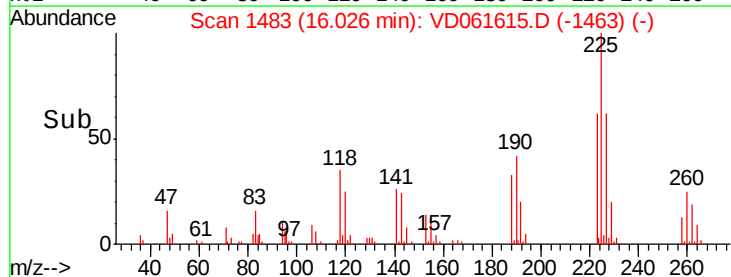
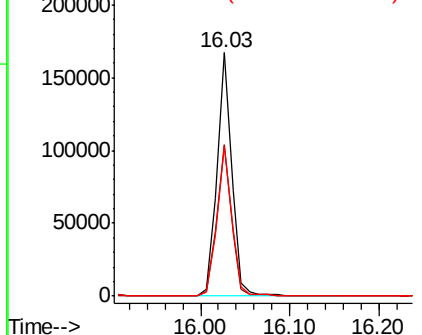


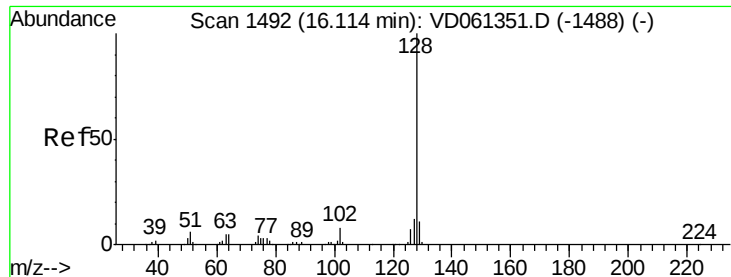
#94
 Hexachlorobutadiene
 Concen: 46.963 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061615.D
 Acq: 5 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.0	96.0
227	61.6	32.4	97.2



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: 48.938 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

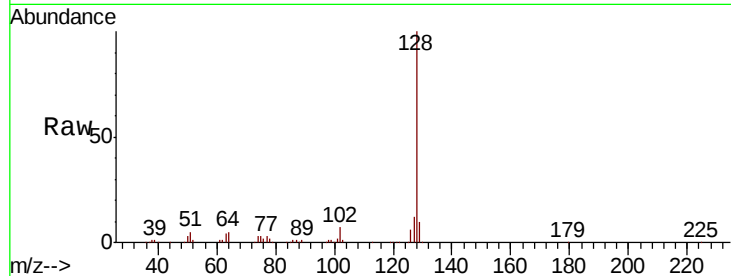
Tot Ion:128 Resp: 395677

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

129 10.3 8.9 13.3

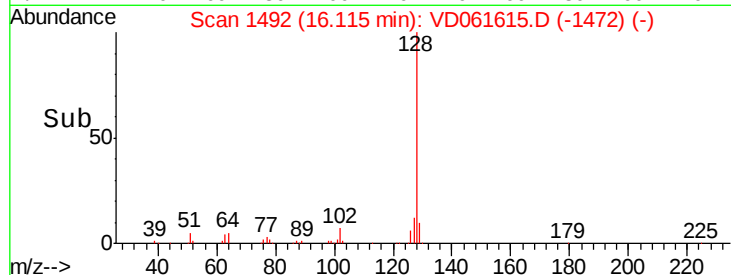


Abundance Ion 128.00 (127.70 to 128.70): V

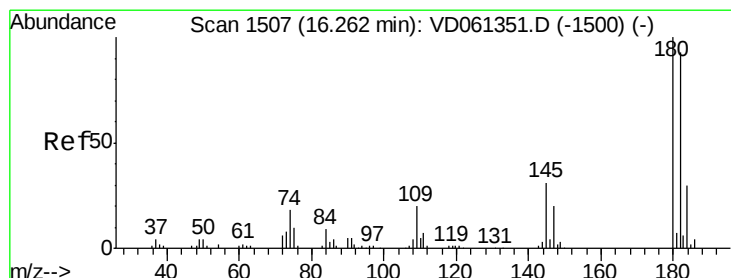
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

16.11



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 51.058 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VD061615.D

Acq: 5 Apr 2019 11:27

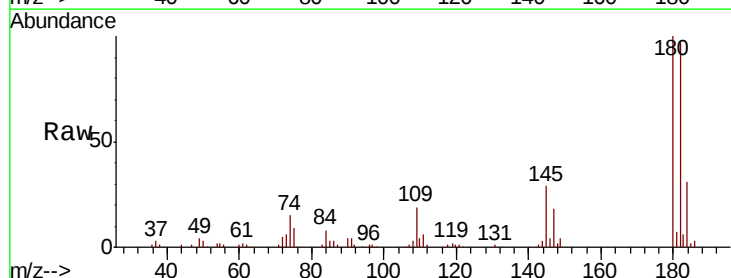
Tgt Ion:180 Resp: 119177

Ion Ratio Lower Upper

180 100

182 97.5 46.4 139.1

145 29.2 15.3 45.9

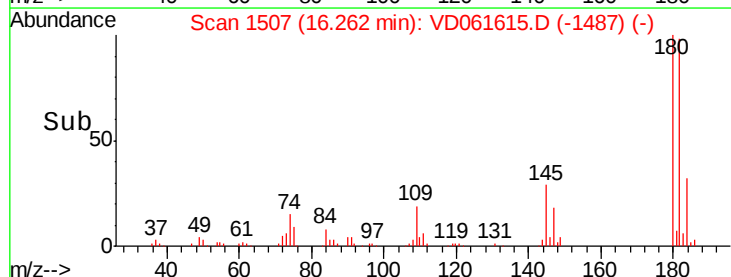


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

16.26



Time-->