

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058267.D
 Acq On : 21 Jun 2018 22:12
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 22 06:18:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	894890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	1054530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	889789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	456470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	481825	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	5.55	113	498946	58.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.26%	
50) Toluene-d8	8.71	98	1183789	57.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.02%	
62) 4-Bromofluorobenzene	11.94	95	481947	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	450525	54.196	ug/l	96
3) Chloromethane	1.47	50	206842	53.249	ug/l	98
4) Vinyl Chloride	1.54	62	219152	46.748	ug/l	99
5) Bromomethane	1.78	94	70869	43.918	ug/l	100
6) Chloroethane	1.87	64	71860	40.548	ug/l	95
7) Trichlorofluoromethane	2.07	101	285769	44.459	ug/l	93
8) Diethyl Ether	2.33	74	68661	50.503	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.55	101	197351	48.296	ug/l	99
10) Methyl Iodide	2.68	142	304108	65.427	ug/l	99
11) Tert butyl alcohol	3.27	59	66455	222.911	ug/l	98
12) 1,1-Dichloroethene	2.54	96	143081	46.538	ug/l	98
13) Acrolein	2.46	56	45863	269.486	ug/l	95
14) Allyl chloride	2.91	41	335777	46.924	ug/l	97
15) Acrylonitrile	3.35	53	175762	222.346	ug/l	95
16) Acetone	2.61	43	276399	223.595	ug/l	94
17) Carbon Disulfide	2.74	76	434028	41.494	ug/l	100
18) Methyl Acetate	2.93	43	141199	53.559	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	468552	57.459	ug/l	96
20) Methylene Chloride	3.06	84	164605	51.113	ug/l	99
21) trans-1,2-Dichloroethene	3.37	96	146143	43.494	ug/l	80
22) Diisopropyl ether	4.06	45	1336307	47.020	ug/l	97
23) Vinyl Acetate	4.01	43	3492132	229.220	ug/l	100
24) 1,1-Dichloroethane	3.96	63	785982	51.334	ug/l	99
25) 2-Butanone	4.84	43	642915	238.625	ug/l	93
26) 2,2-Dichloropropane	4.79	77	590503	46.059	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	433539	51.633	ug/l	97
28) Bromochloromethane	5.15	49	355571	51.805	ug/l #	91
29) Tetrahydrofuran	5.18	42	315877	220.264	ug/l	95
30) Chloroform	5.32	83	809699	50.092	ug/l	96
31) Cyclohexane	5.59	56	566324	51.055	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	672884	50.384	ug/l	97
36) 1,1-Dichloropropene	5.75	75	563006	53.969	ug/l	95
37) Ethyl Acetate	4.93	43	323215	54.379	ug/l	96
38) Carbon Tetrachloride	5.73	117	555531	53.595	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058267.D
 Acq On : 21 Jun 2018 22:12
 Operator : VA/AP
 Sample : VSTDCCC050EC
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 22 06:18:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	541134	53.256	ug/l	99
40) Benzene	6.01	78	1300757	52.344	ug/l	99
41) Methacrylonitrile	5.13	41	160078	55.774	ug/l	97
42) 1,2-Dichloroethane	6.13	62	563559	56.243	ug/l	100
43) Isopropyl Acetate	7.62	43	405765	51.205	ug/l	96
44) Trichloroethene	6.98	130	419281	56.189	ug/l	98
45) 1,2-Dichloropropane	7.35	63	376889	56.315	ug/l	98
46) Dibromomethane	7.47	93	255282	55.876	ug/l	96
47) Bromodichloromethane	7.74	83	567330	54.455	ug/l	98
48) Methyl methacrylate	7.51	41	256564	53.271	ug/l	96
49) 1,4-Dioxane	7.50	88	52699	1212.185	ug/l #	79
51) 4-Methyl-2-Pentanone	8.60	43	1332697	257.835	ug/l	98
52) Toluene	8.81	92	762740	53.904	ug/l	97
53) t-1,3-Dichloropropene	9.19	75	472809	52.199	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	560464	52.779	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	266487	53.230	ug/l	98
56) Ethyl methacrylate	9.32	69	316473	52.858	ug/l	99
57) 1,3-Dichloropropane	9.67	76	475115	56.340	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.20	63	834186	281.440	ug/l	96
59) 2-Hexanone	9.79	43	979294	262.203	ug/l	98
60) Dibromochloromethane	9.96	129	361792	53.251	ug/l	99
61) 1,2-Dibromoethane	10.10	107	311427	56.836	ug/l	99
64) Tetrachloroethene	9.52	164	419894	56.084	ug/l	96
65) Chlorobenzene	10.73	112	849449	51.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.86	131	329174	51.249	ug/l	96
67) Ethyl Benzene	10.86	91	1465800	49.884	ug/l	100
68) m/p-Xylenes	11.01	106	990683	101.101	ug/l	99
69) o-Xylene	11.41	106	480943	51.388	ug/l	99
70) Styrene	11.44	104	819624	51.322	ug/l	99
71) Bromoform	11.60	173	257707	50.296	ug/l	96
73) Isopropylbenzene	11.78	105	1396787	51.158	ug/l	98
74) N-amyl acetate	11.65	43	536268	50.797	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	320588	50.455	ug/l	95
76) 1,2,3-Trichloropropane	12.12	75	329517	49.443	ug/l	99
77) Bromobenzene	12.05	156	438519	53.635	ug/l	98
78) n-propylbenzene	12.15	91	1818515	51.575	ug/l	100
79) 2-Chlorotoluene	12.21	91	1042360	51.661	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	1095123	51.424	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	80500	49.525	ug/l	88
82) 4-Chlorotoluene	12.33	91	1115334	57.541	ug/l	99
83) tert-Butylbenzene	12.58	119	1221327	49.883	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	1175485	50.779	ug/l	100
85) sec-Butylbenzene	12.76	105	1456719	50.759	ug/l	100
86) p-Isopropyltoluene	12.88	119	1213031	52.159	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	739764	52.057	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	704851	50.793	ug/l	100
89) n-Butylbenzene	13.20	91	1179600	48.261	ug/l	99
90) Hexachloroethane	13.40	117	290413	48.111	ug/l	92
91) 1,2-Dichlorobenzene	13.20	146	586748	48.519	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	54504	53.900	ug/l	95

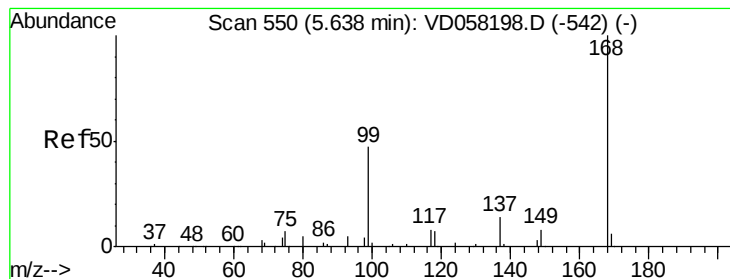
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
Data File : VD058267.D
Acq On : 21 Jun 2018 22:12
Operator : VA/AP
Sample : VSTDCCC050EC
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 22 06:18:02 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	573769	49.607	ug/l	97
94) Hexachlorobutadiene	14.44	225	456596	50.472	ug/l	98
95) Naphthalene	14.52	128	799558	52.480	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	509474	50.316	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

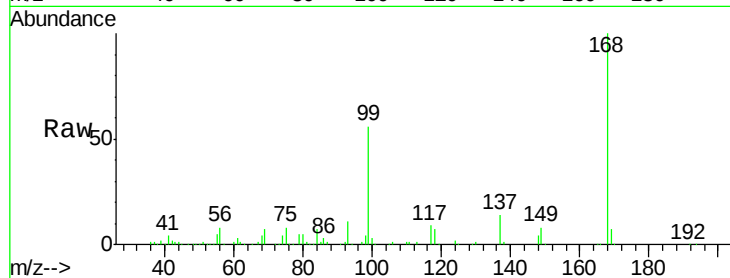
VSTDCCC050EC

Tot Ion:168 Resp: 894890

Ion Ratio Lower Upper

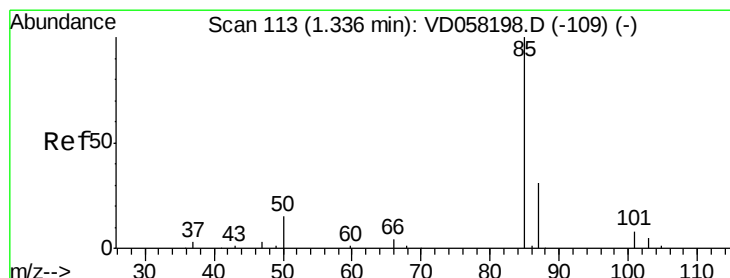
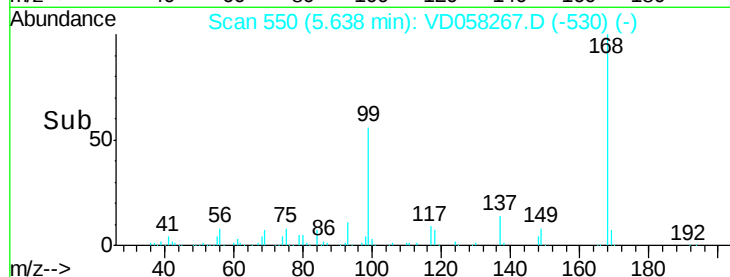
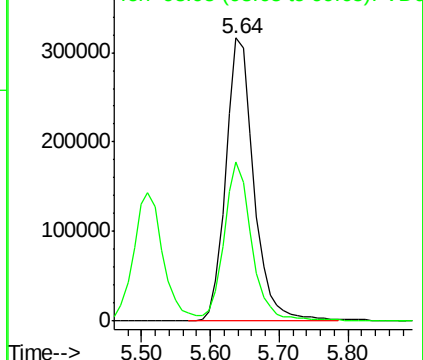
168 100

99 56.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 54.196 ug/l

RT: 1.33 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058267.D

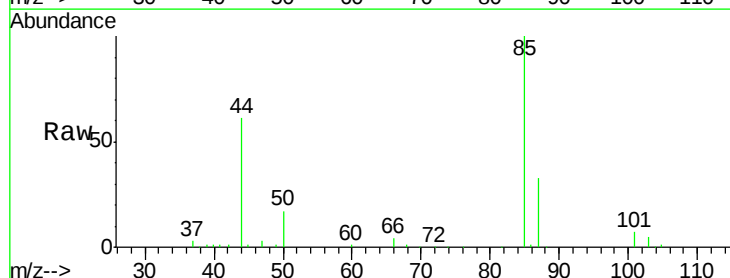
Acq: 21 Jun 2018 22:12

Tgt Ion: 85 Resp: 450525

Ion Ratio Lower Upper

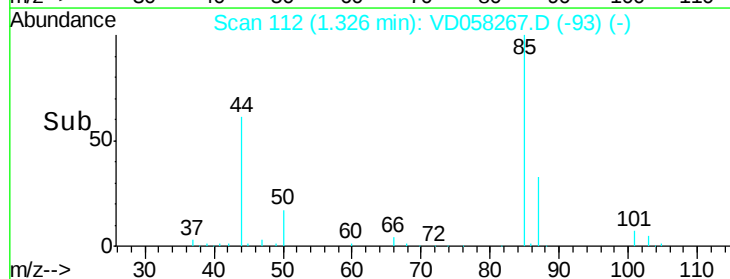
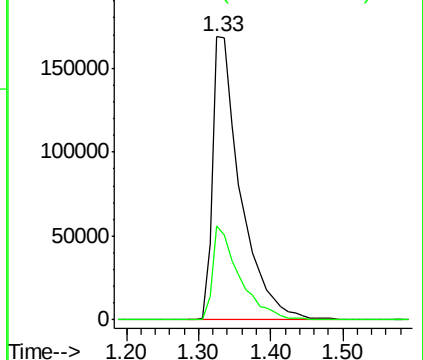
85 100

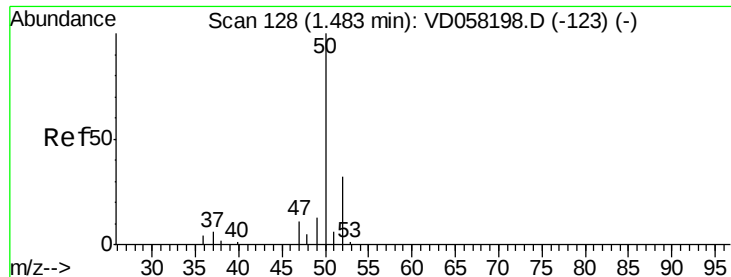
87 33.4 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.249 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

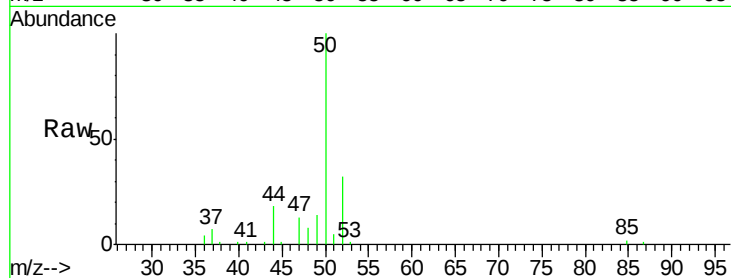
VSTDCCC050EC

Tot Ion: 50 Resp: 206842

Ion Ratio Lower Upper

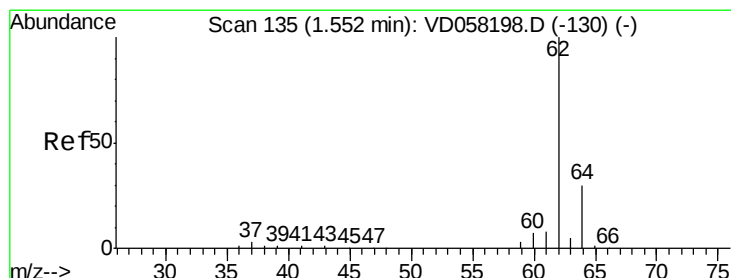
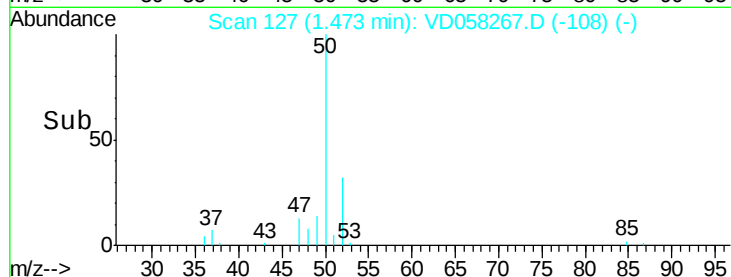
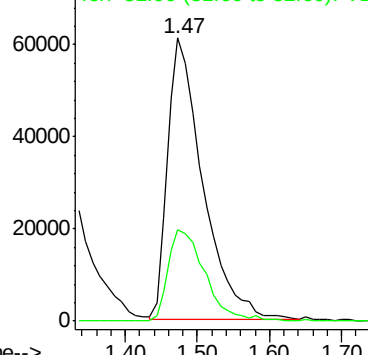
50 100

52 32.3 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.748 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.01 min

Lab File: VD058267.D

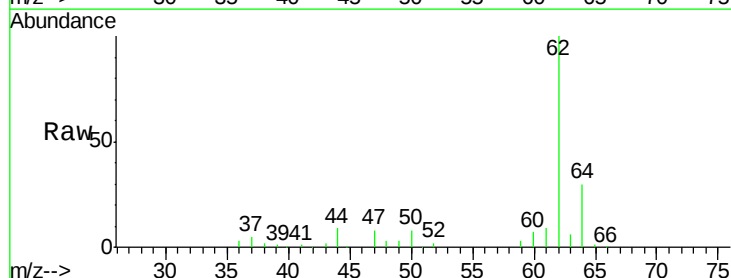
Acq: 21 Jun 2018 22:12

Tgt Ion: 62 Resp: 219152

Ion Ratio Lower Upper

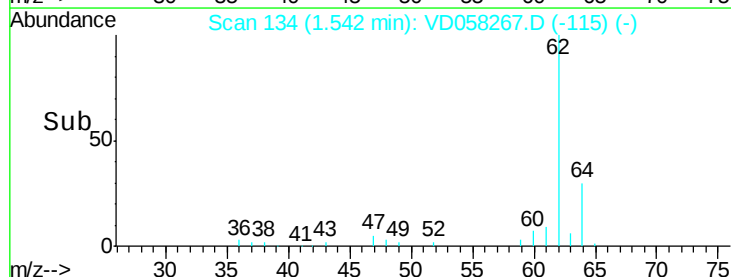
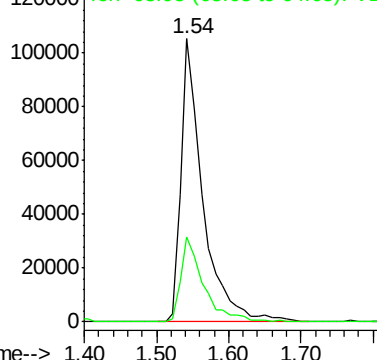
62 100

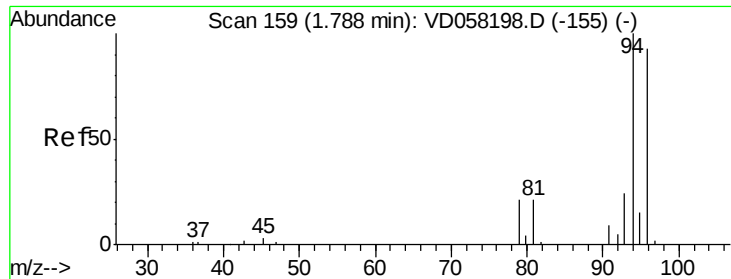
64 30.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.918 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

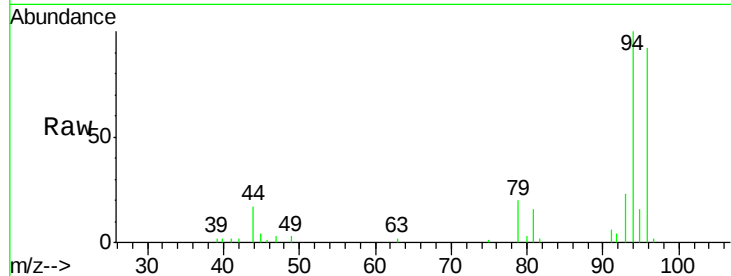
VSTDCCC050EC

Tot Ion: 94 Resp: 70869

Ion Ratio Lower Upper

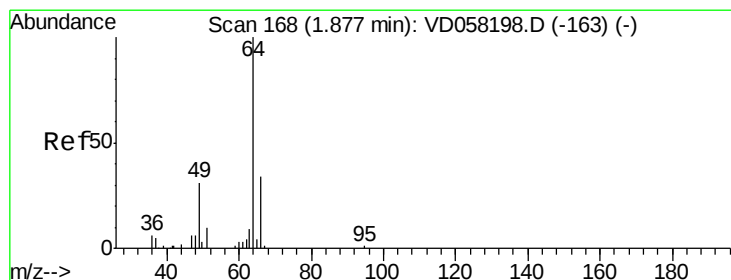
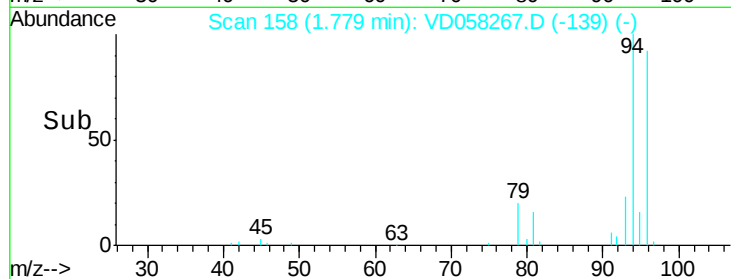
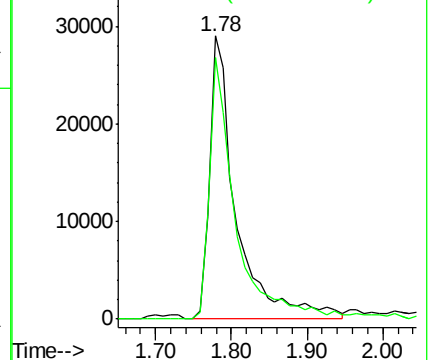
94 100

96 92.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 40.548 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD058267.D

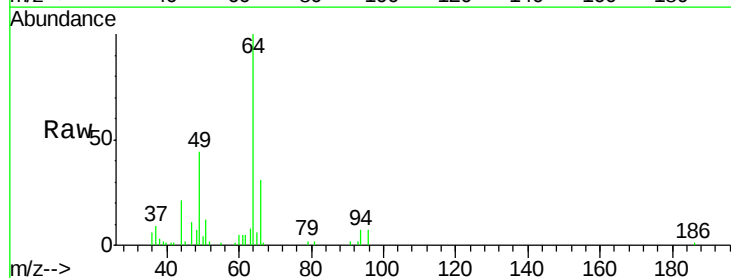
Acq: 21 Jun 2018 22:12

Tgt Ion: 64 Resp: 71860

Ion Ratio Lower Upper

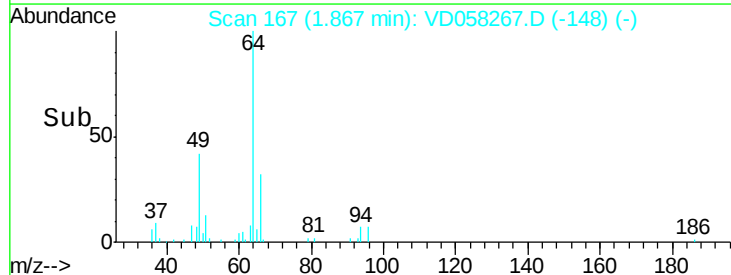
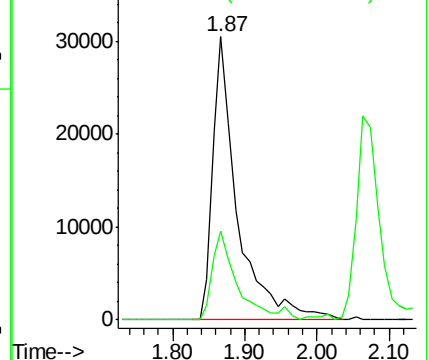
64 100

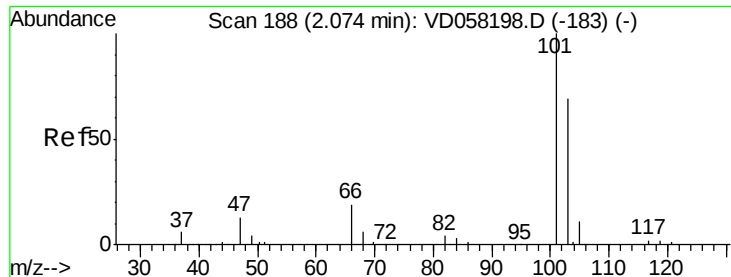
66 31.4 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



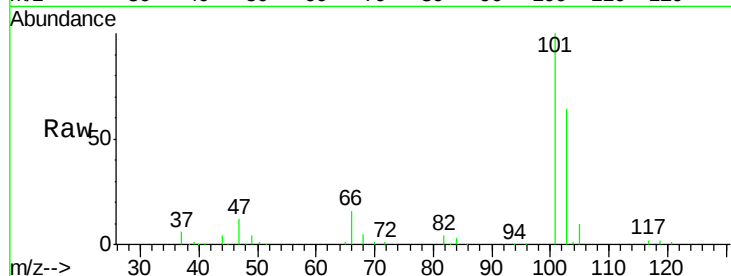


#7

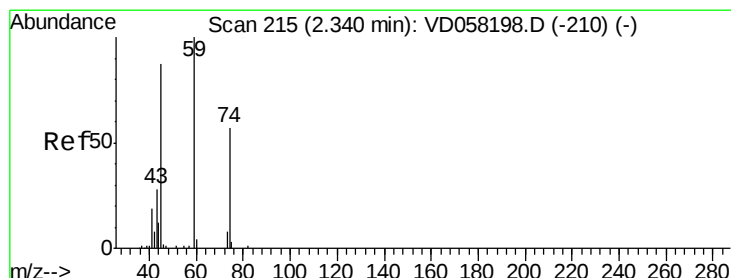
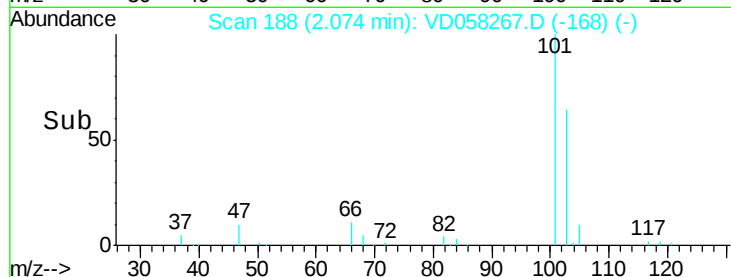
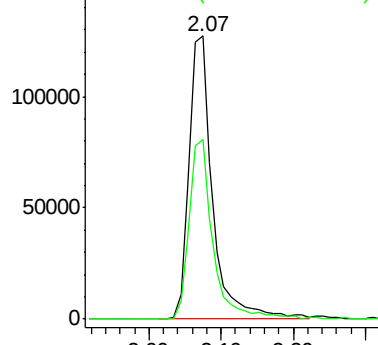
Trichlorofluoromethane
 Concen: 44.459 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 285769
 Ion Ratio Lower Upper
 101 100
 103 63.5 55.1 82.7



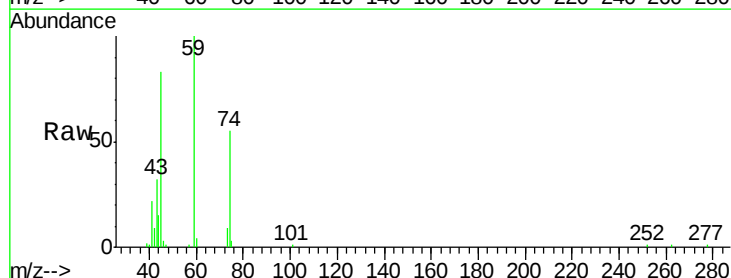
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



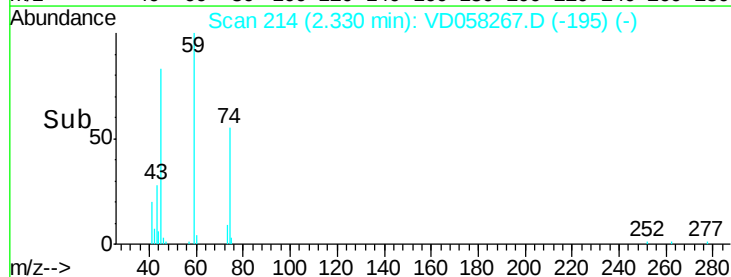
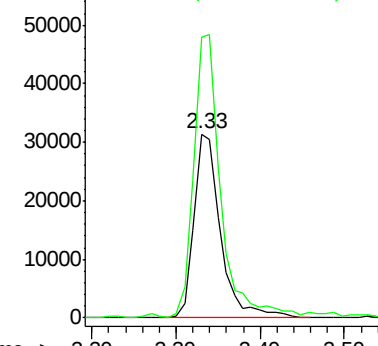
#8

Diethyl Ether
 Concen: 50.503 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.01 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 74 Resp: 68661
 Ion Ratio Lower Upper
 74 100
 45 152.5 77.5 232.6



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

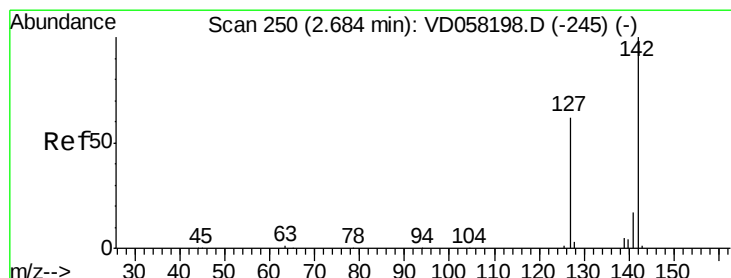
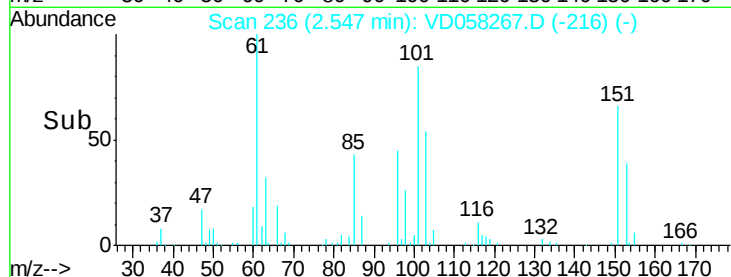
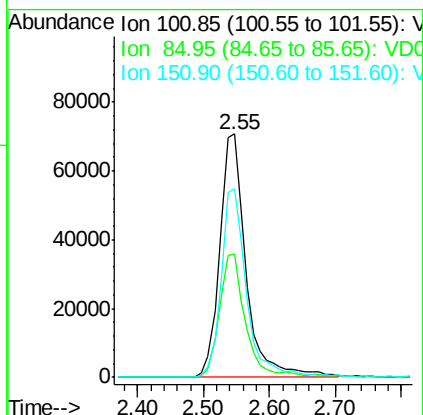
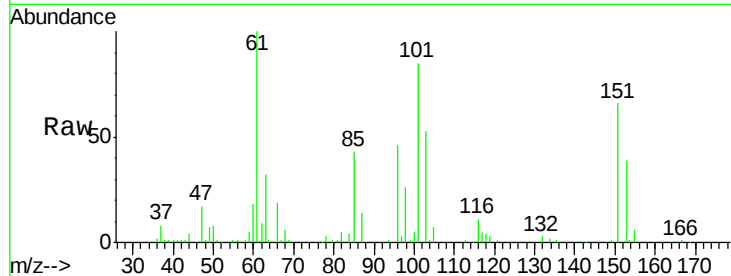




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.296 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

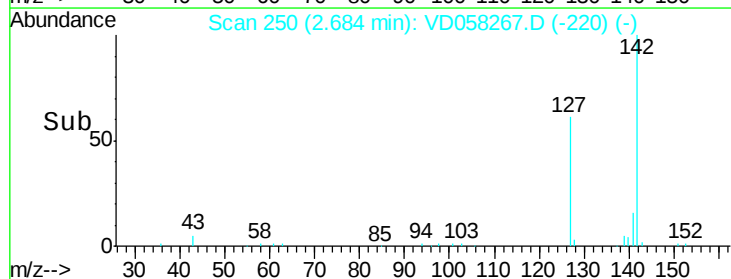
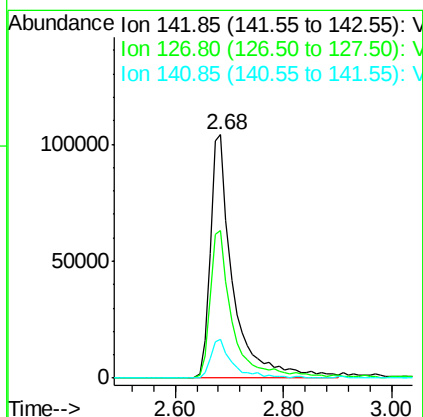
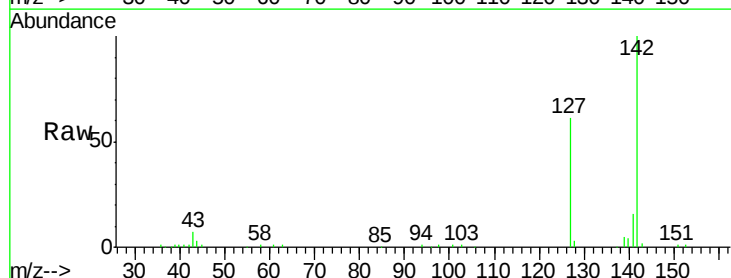
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 197351
 Ion Ratio Lower Upper
 101 100
 85 50.6 39.0 58.4
 151 77.5 61.8 92.8



#10
 Methyl Iodide
 Concen: 65.427 ug/l
 RT: 2.68 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:142 Resp: 304108
 Ion Ratio Lower Upper
 142 100
 127 60.9 49.4 74.0
 141 15.8 13.5 20.3



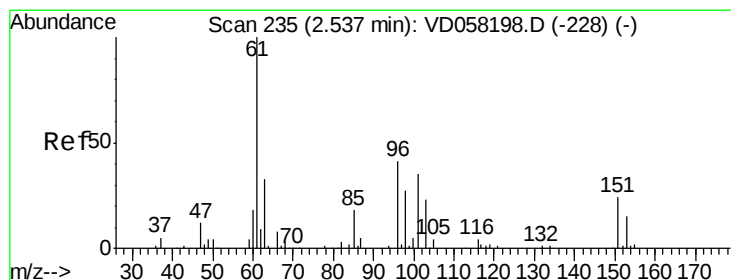
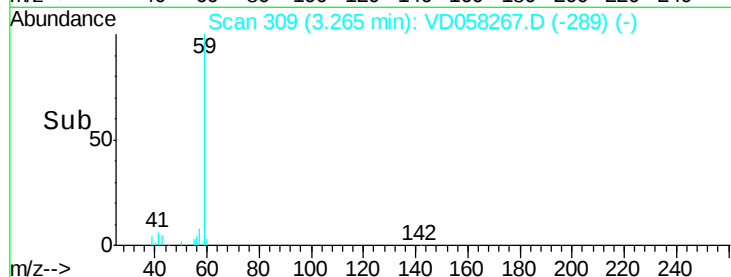
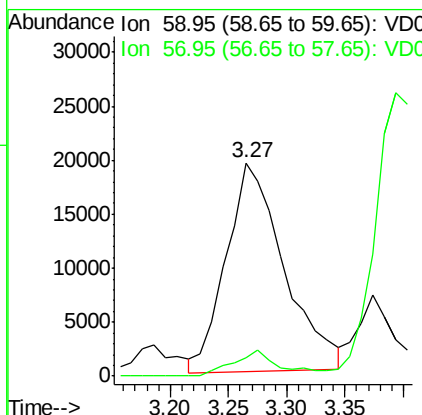
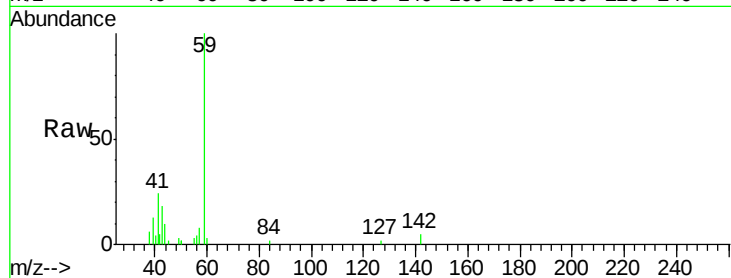


#11

Tert butyl alcohol
Concen: 222.911 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

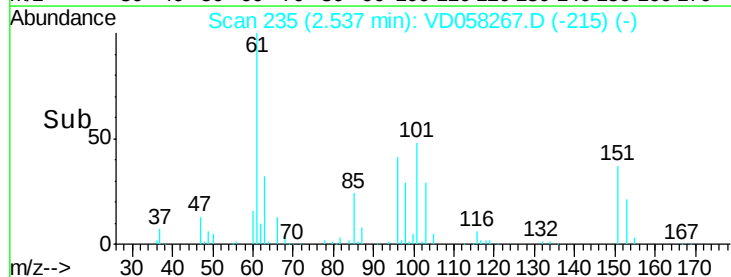
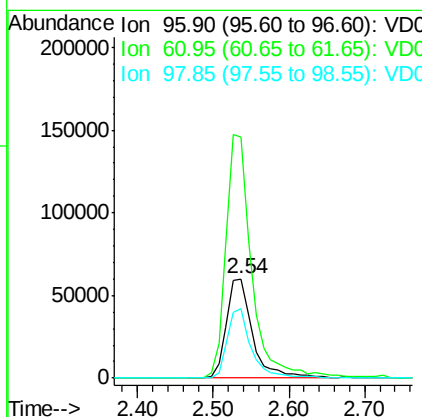
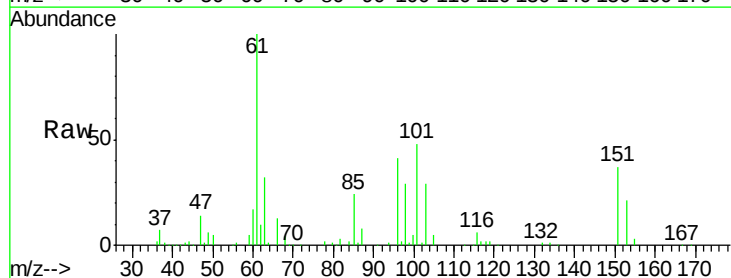
Tot Ion: 59 Resp: 66455
Ion Ratio Lower Upper
59 100
57 8.4 6.2 9.4

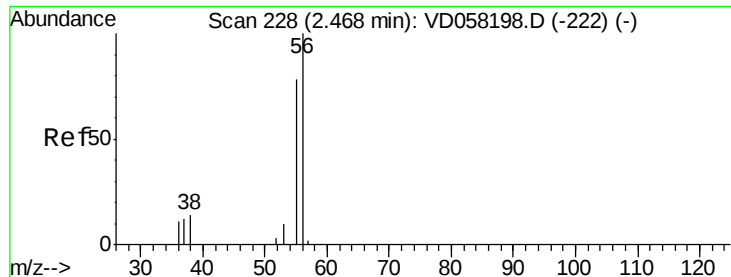


#12

1,1-Dichloroethene
Concen: 46.538 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 96 Resp: 143081
Ion Ratio Lower Upper
96 100
61 242.7 193.9 290.9
98 70.5 51.7 77.5





#13

Acrolein

Concen: 269.486 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

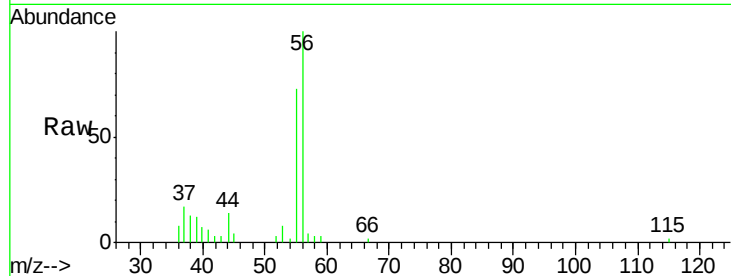
VSTDCCC050EC

Tot Ion: 56 Resp: 45863

Ion Ratio Lower Upper

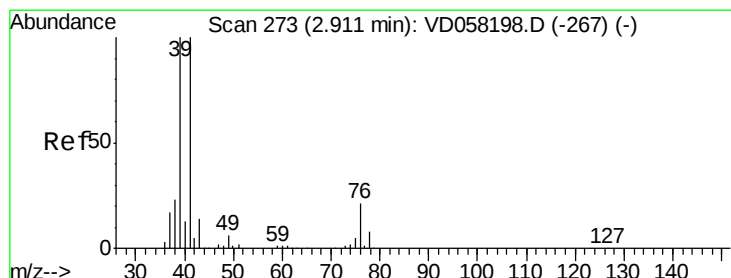
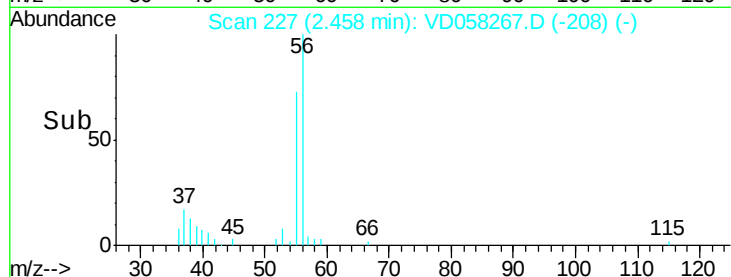
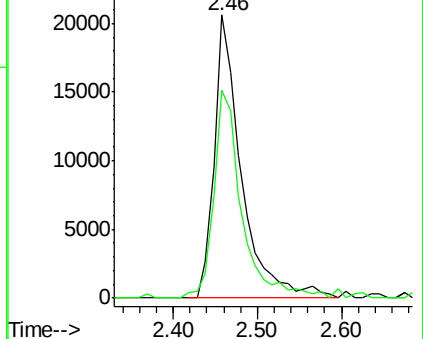
56 100

55 73.3 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.924 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

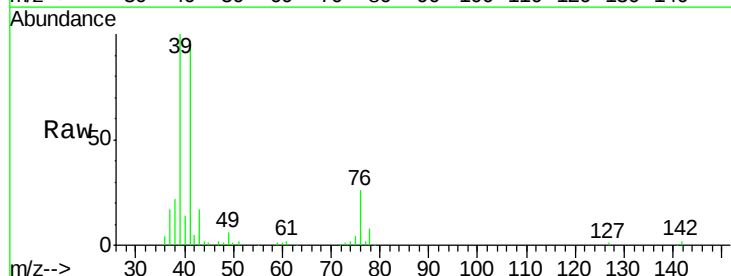
Tgt Ion: 41 Resp: 335777

Ion Ratio Lower Upper

41 100

39 102.6 80.1 120.1

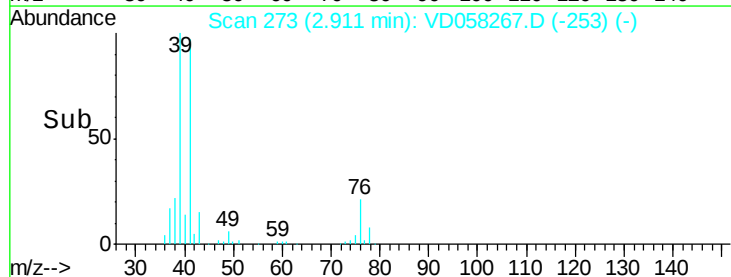
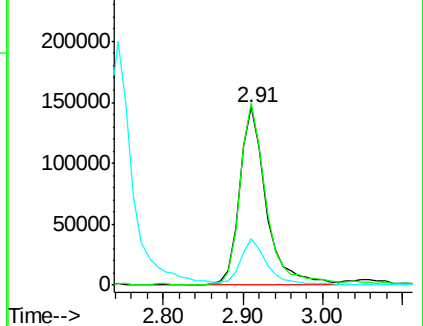
76 26.4 19.4 29.2

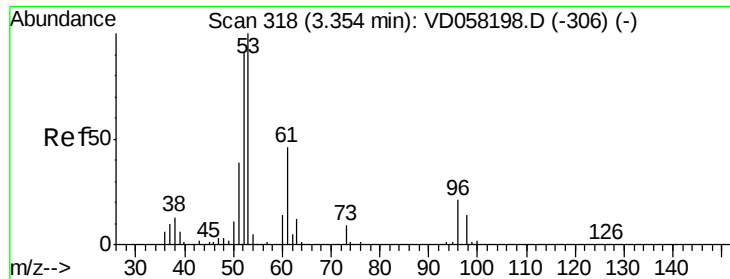


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 222.346 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

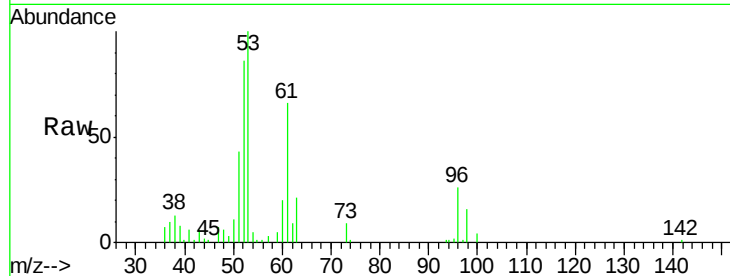
Tot Ion: 53 Resp: 175762

Ion Ratio Lower Upper

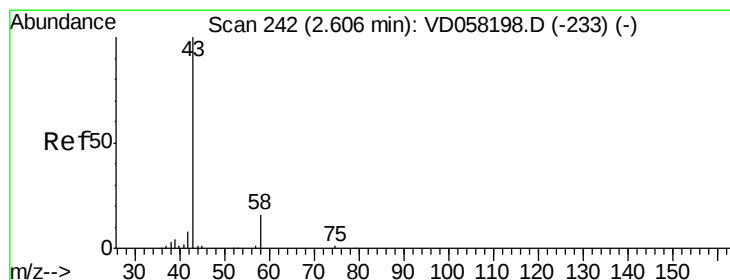
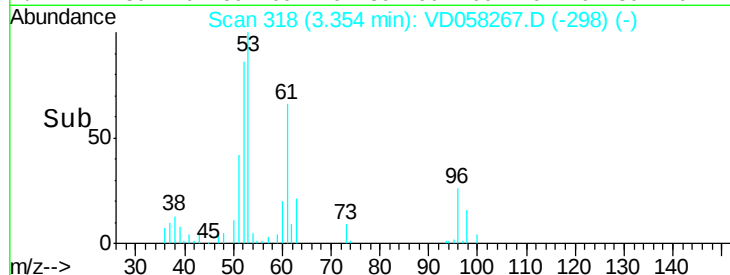
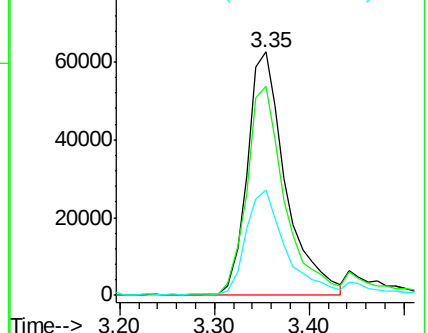
53 100

52 85.9 72.6 108.8

51 43.1 32.2 48.4



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



#16

Acetone

Concen: 223.595 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058267.D

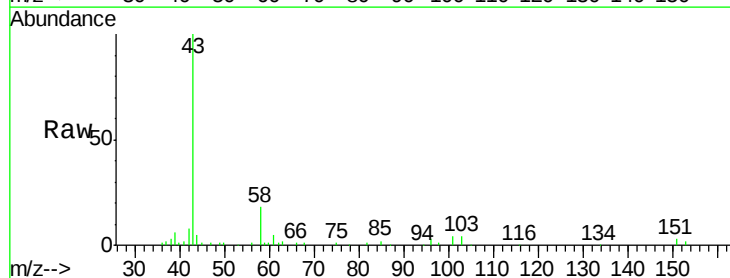
Acq: 21 Jun 2018 22:12

Tgt Ion: 43 Resp: 276399

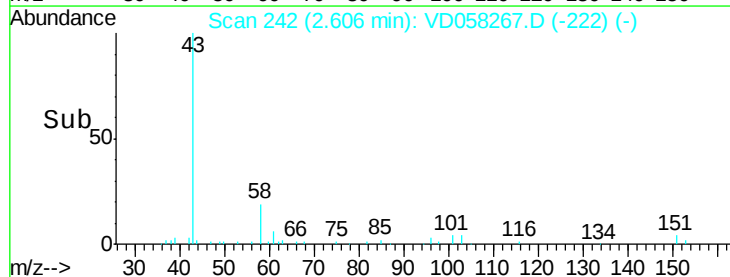
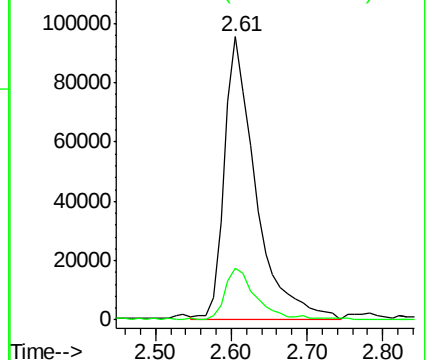
Ion Ratio Lower Upper

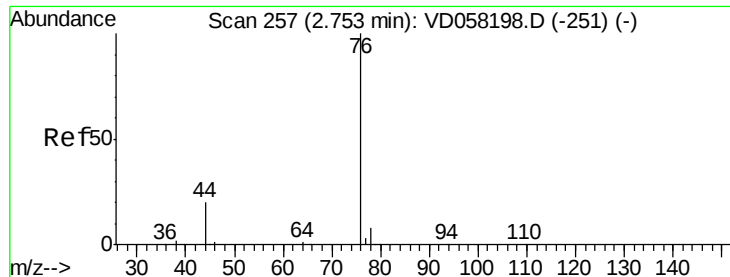
43 100

58 18.4 12.7 19.1



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





#17

Carbon Disulfide

Concen: 41.494 ug/l

RT: 2.74 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

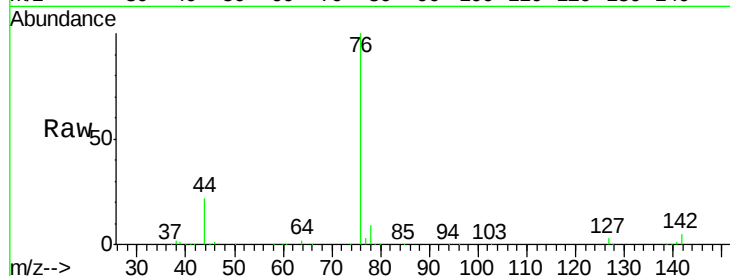
VSTDCCC050EC

Tot Ion: 76 Resp: 434028

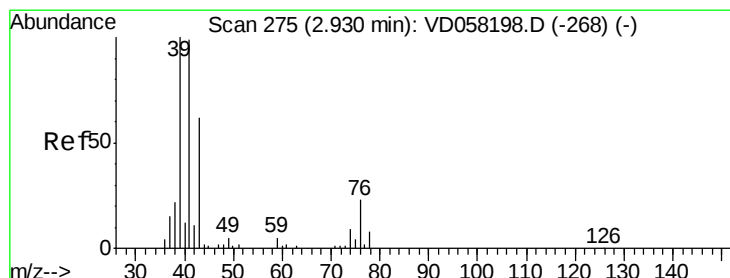
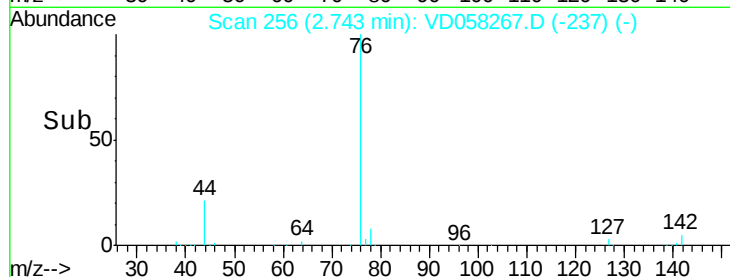
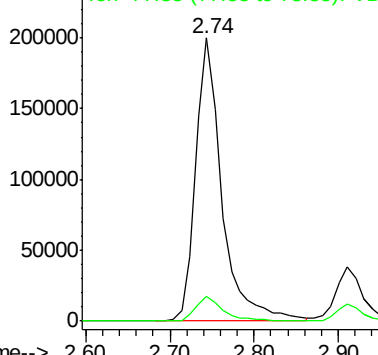
Ion Ratio Lower Upper

76 100

78 8.6 6.8 10.2



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



#18

Methyl Acetate

Concen: 53.559 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.00 min

Lab File: VD058267.D

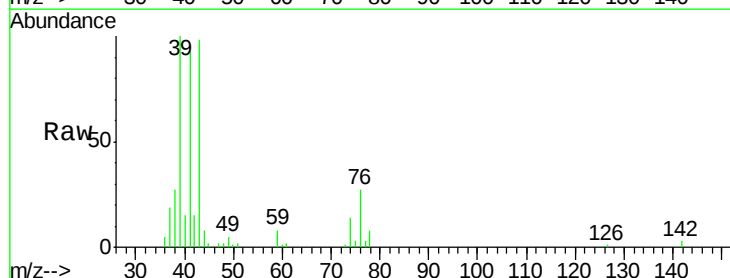
Acq: 21 Jun 2018 22:12

Tgt Ion: 43 Resp: 141199

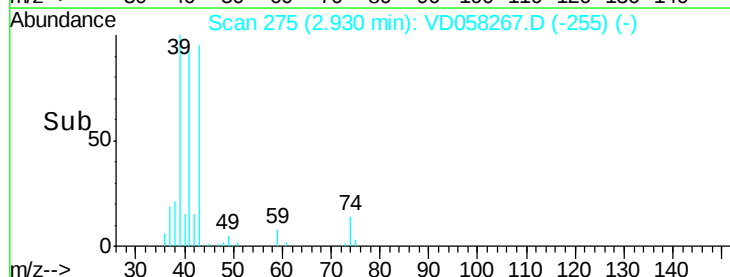
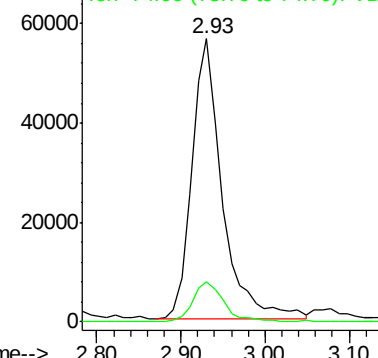
Ion Ratio Lower Upper

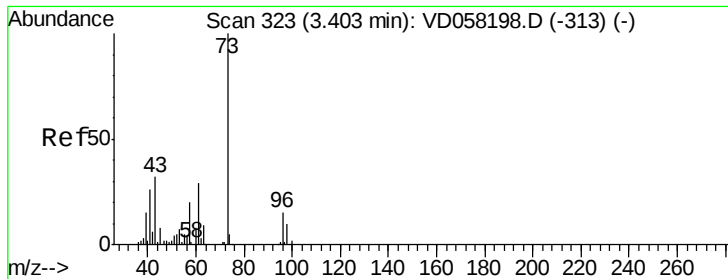
43 100

74 14.2 11.7 17.5



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



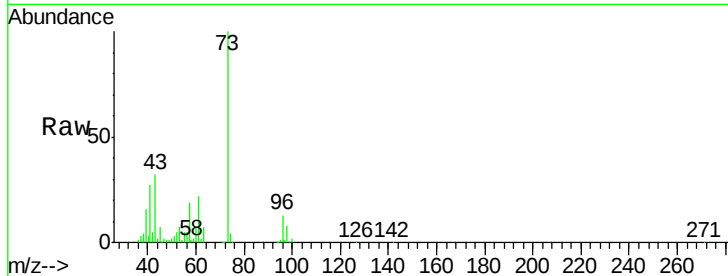


#19

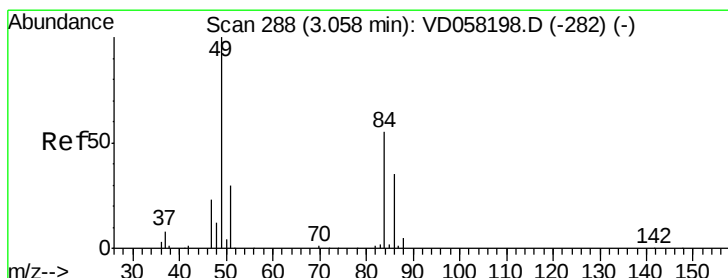
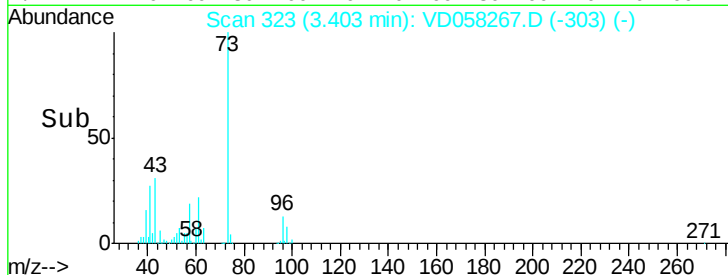
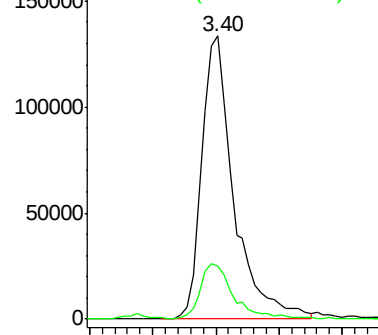
Methvl tert-butvl Ether
 Concen: 57.459 ug/l
 RT: 3.40 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 468552
 Ion Ratio Lower Upper
 73 100
 57 18.8 16.6 24.8



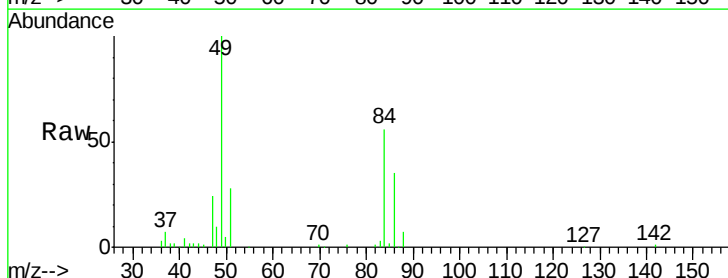
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



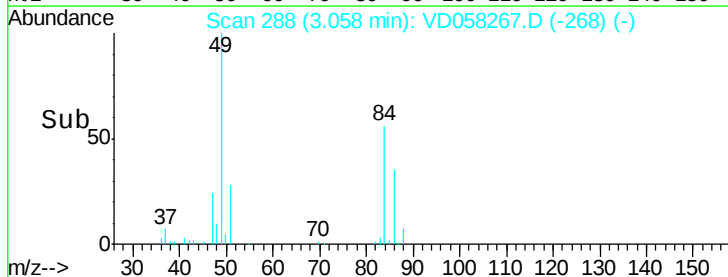
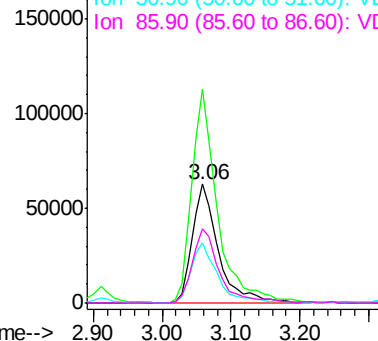
#20

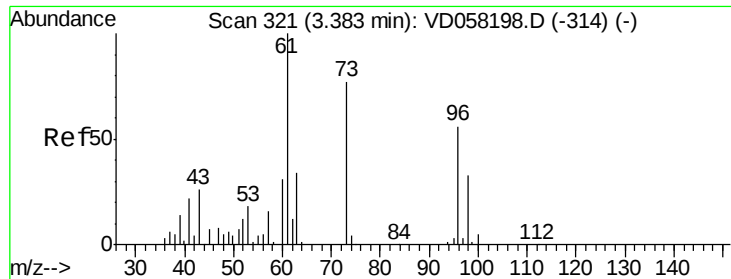
Methylene Chloride
 Concen: 51.113 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 84 Resp: 164605
 Ion Ratio Lower Upper
 84 100
 49 180.0 145.0 217.6
 51 51.2 42.9 64.3
 86 63.1 50.1 75.1



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 43.494 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

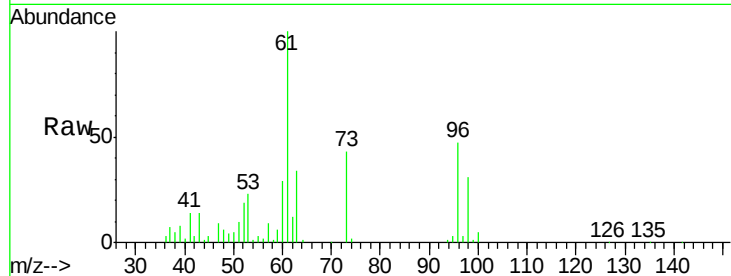
Tot Ion: 96 Resp: 146143

Ion Ratio Lower Upper

96 100

61 213.9 143.8 215.6

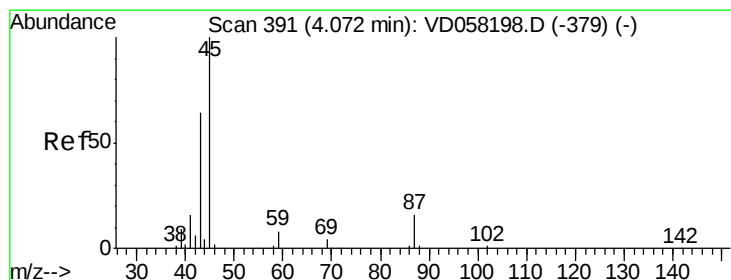
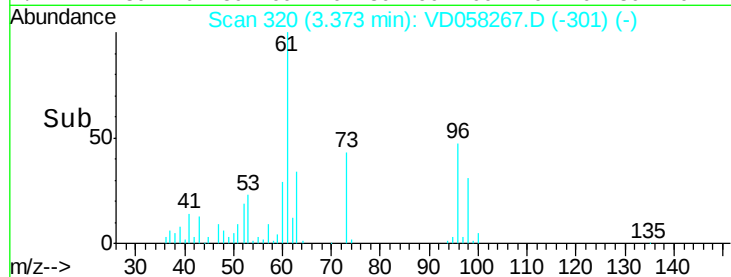
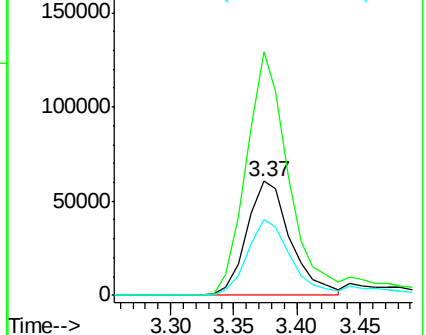
98 67.1 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 47.020 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Tgt Ion: 45 Resp: 1336307

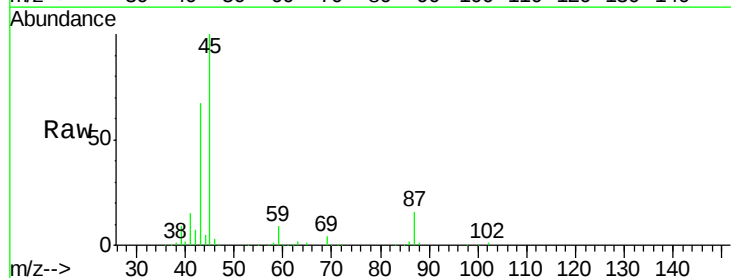
Ion Ratio Lower Upper

45 100

43 67.4 51.4 77.0

87 16.3 13.0 19.4

59 9.2 6.9 10.3

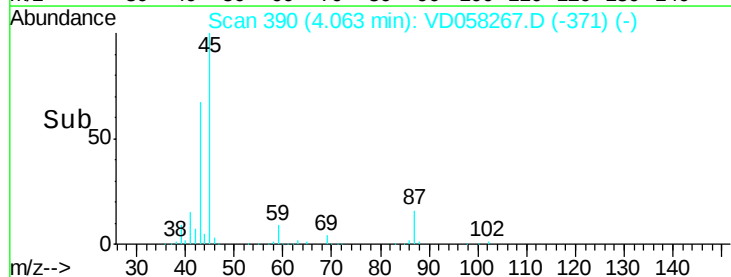
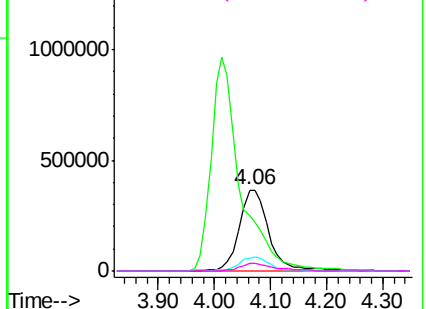


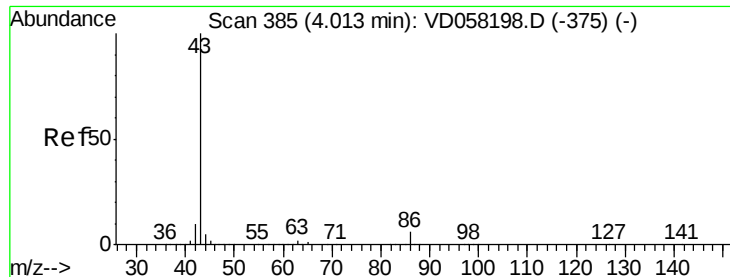
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

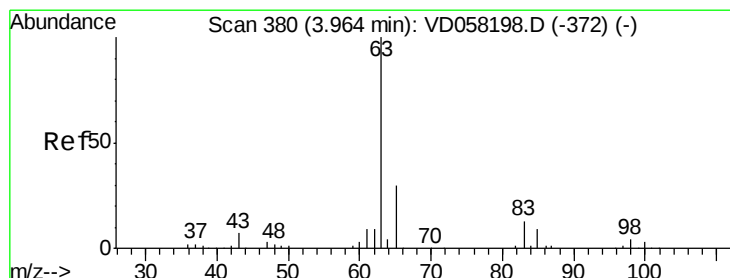
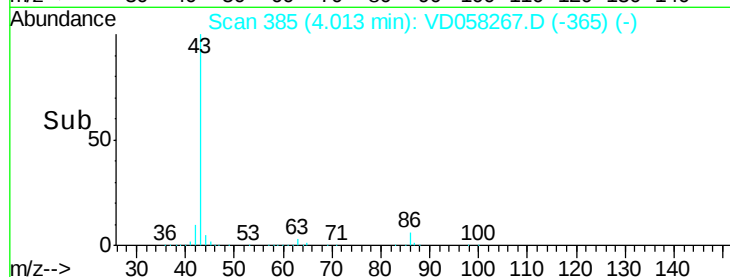
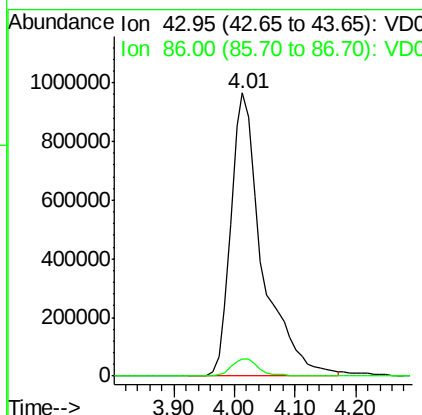
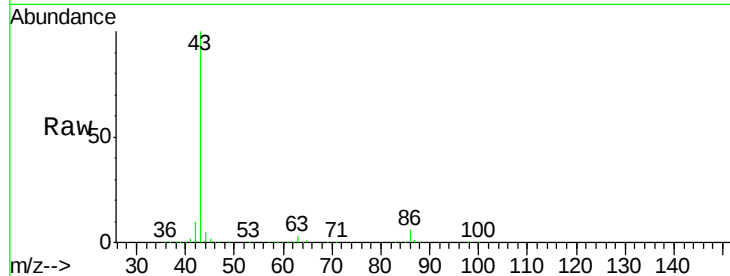




#23
 Vinyl Acetate
 Concen: 229.220 ug/l
 RT: 4.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

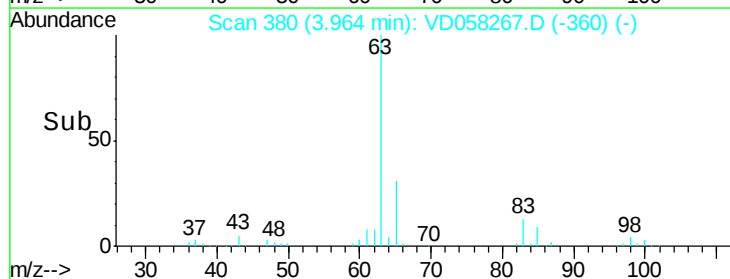
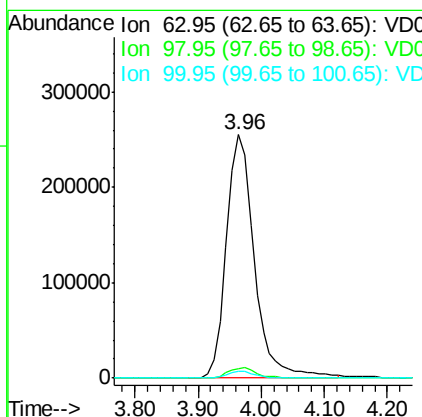
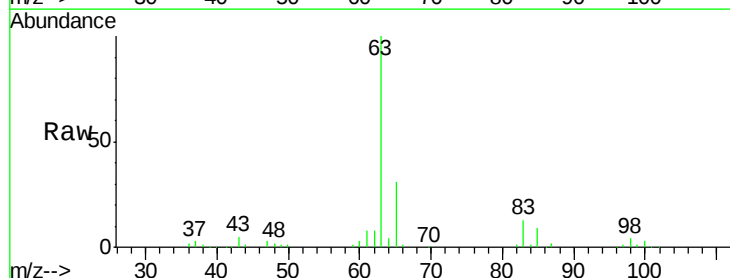
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

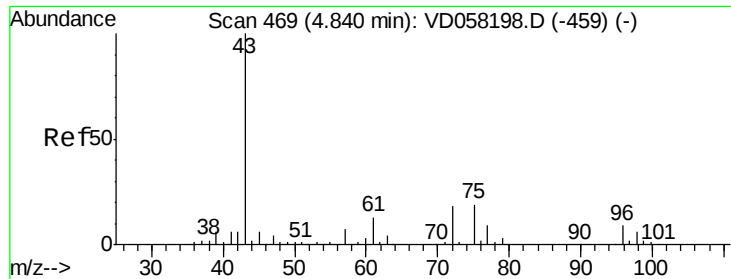
Tot Ion: 43 Resp: 3492132
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 51.334 ug/l
 RT: 3.96 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 63 Resp: 785982
 Ion Ratio Lower Upper
 63 100
 98 4.0 1.9 5.7
 100 2.9 1.3 3.9





#25

2-Butanone

Concen: 238.625 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

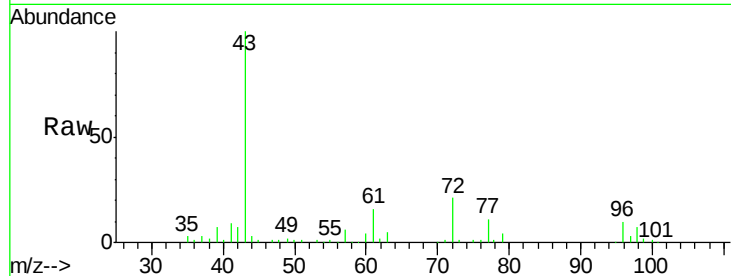
VSTDCCC050EC

Tot Ion: 43 Resp: 642915

Ion Ratio Lower Upper

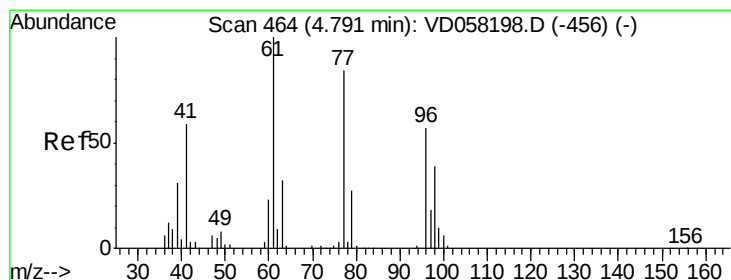
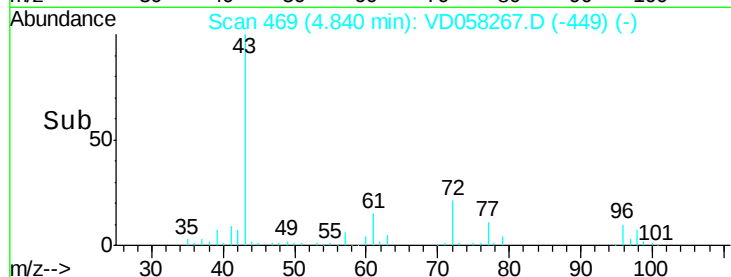
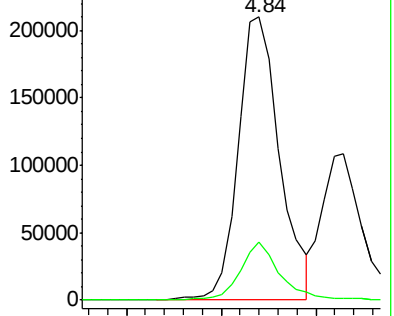
43 100

72 20.6 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.059 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD058267.D

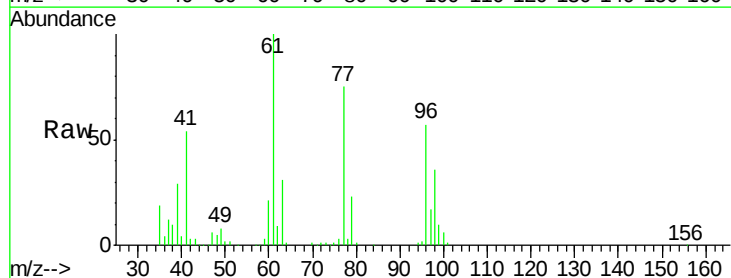
Acq: 21 Jun 2018 22:12

Tgt Ion: 77 Resp: 590503

Ion Ratio Lower Upper

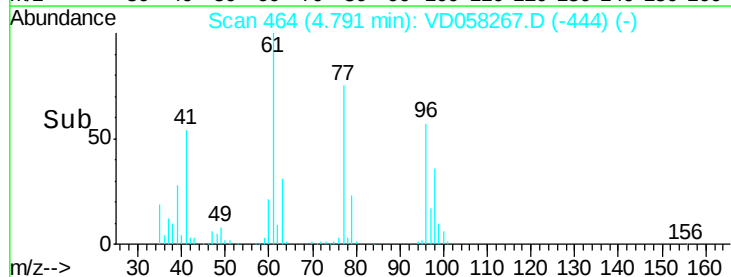
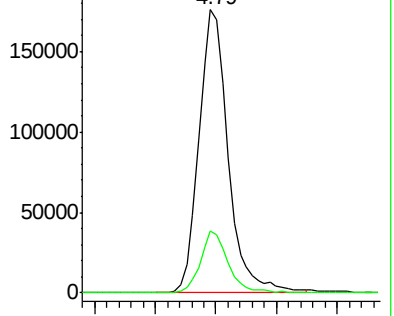
77 100

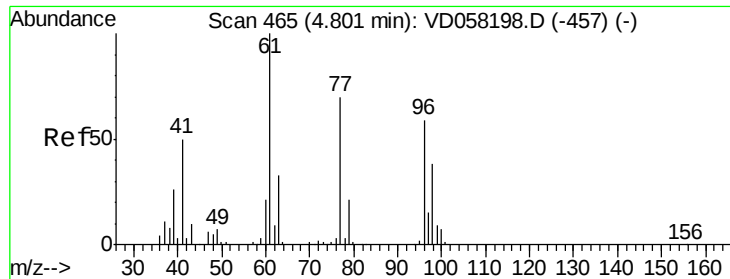
97 22.0 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



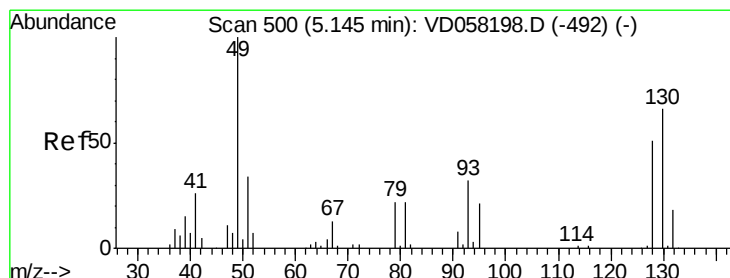
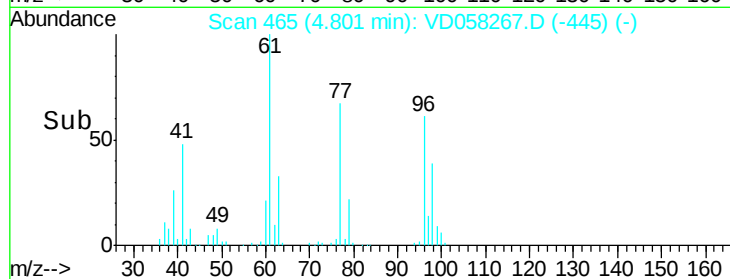
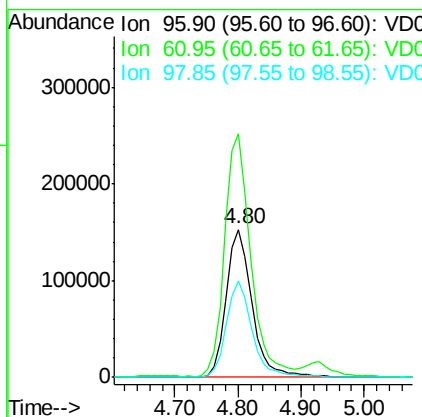
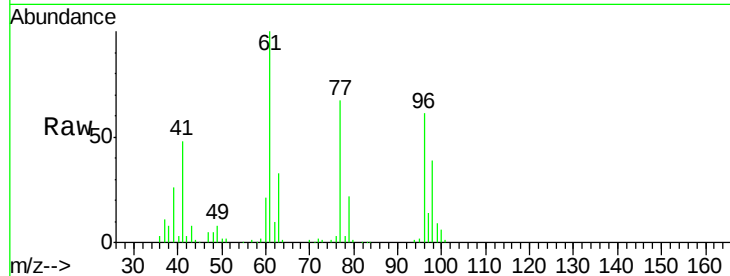


#27

cis-1,2-Dichloroethene
 Concen: 51.633 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

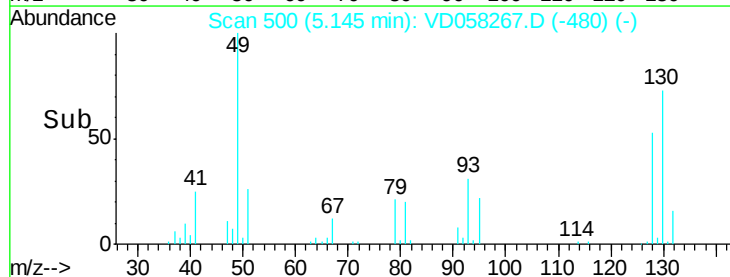
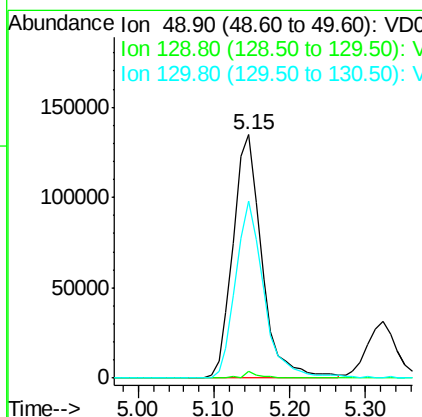
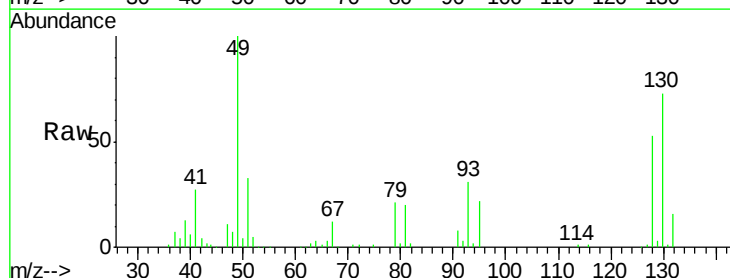
Tot Ion	96	Resp	433539
Ion	Ratio	Lower	Upper
96	100		
61	164.3	0.0	338.6
98	64.7	0.0	130.2



#28

Bromochloromethane
 Concen: 51.805 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion	49	Resp	355571
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	0.0#
130	72.9	52.6	79.0

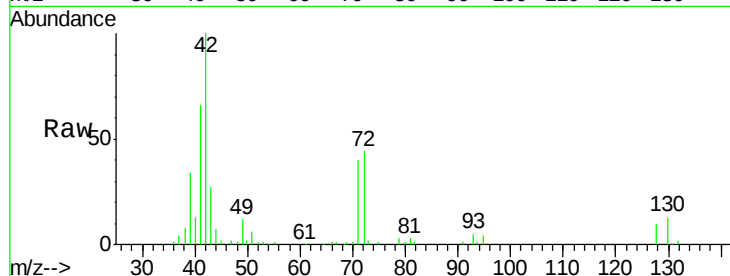




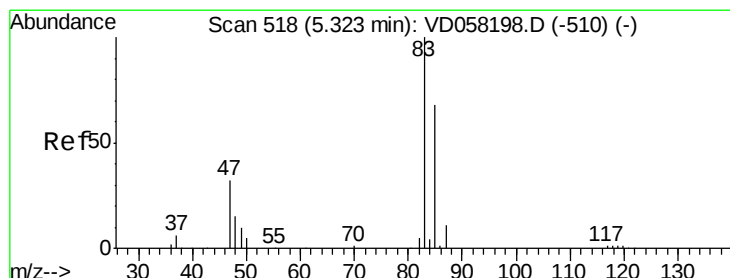
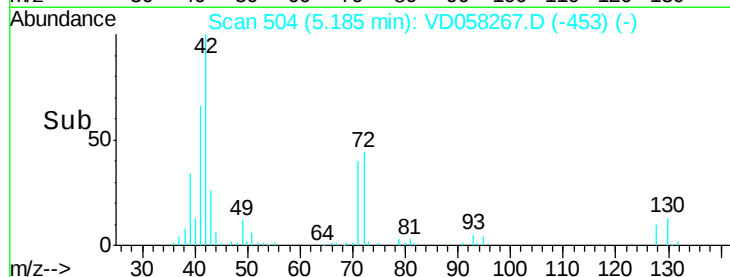
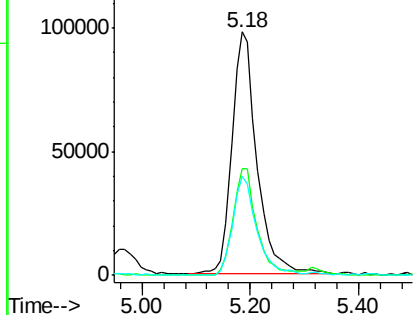
#29
Tetrahydrofuran
Concen: 220.264 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	30.2	45.2
71	39.1	30.1	45.1

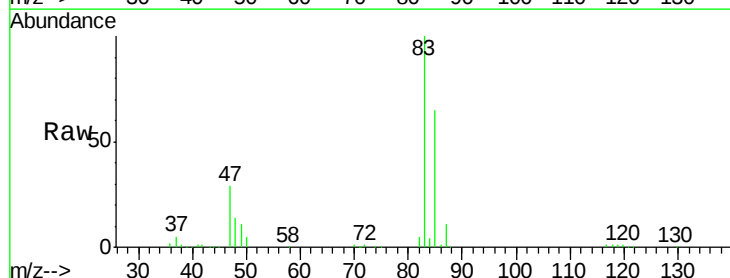


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

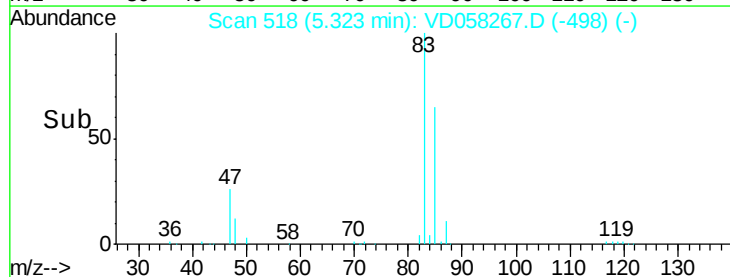
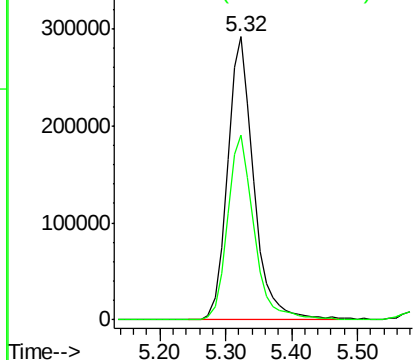


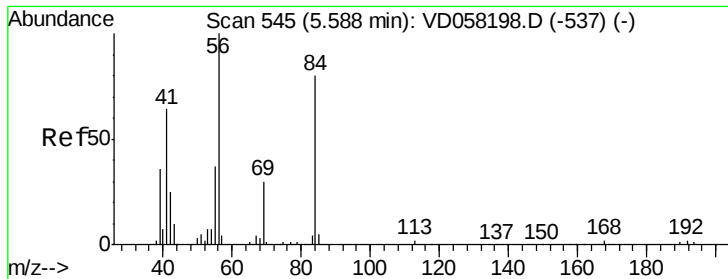
#30
Chloroform
Concen: 50.092 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	54.8	82.2



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

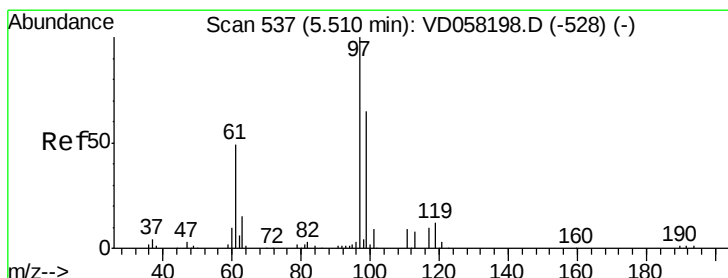
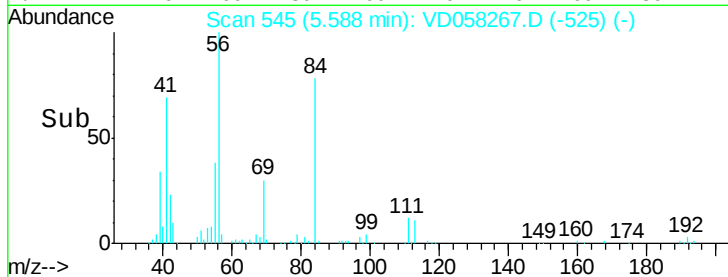
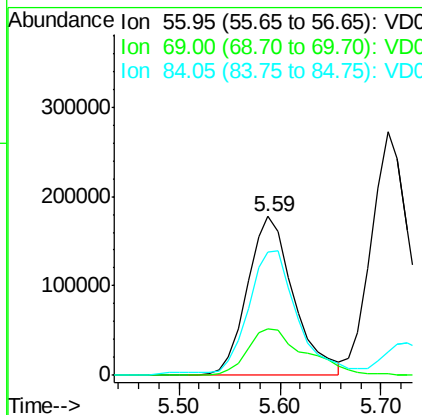
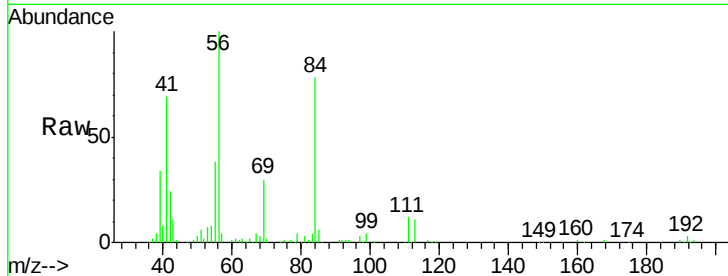




#31
Cyclohexane
Concen: 51.055 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

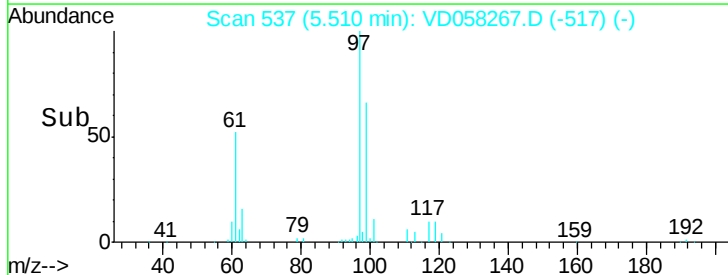
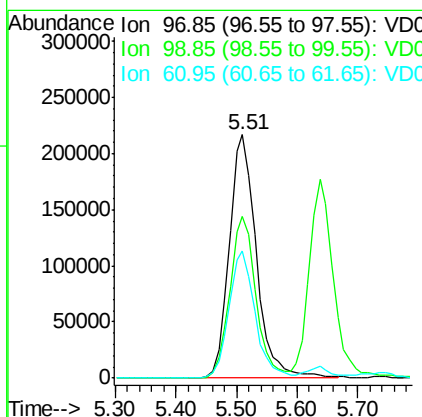
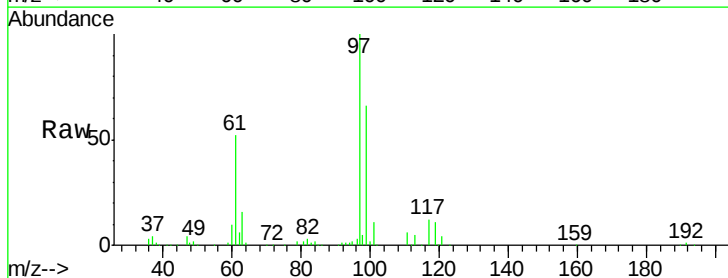
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 566324
Ion Ratio Lower Upper
56 100
69 29.6 23.6 35.4
84 78.0 65.2 97.8



#32
1,1,1-Trichloroethane
Concen: 50.384 ug/l
RT: 5.51 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 97 Resp: 672884
Ion Ratio Lower Upper
97 100
99 66.2 52.2 78.4
61 52.2 39.0 58.4

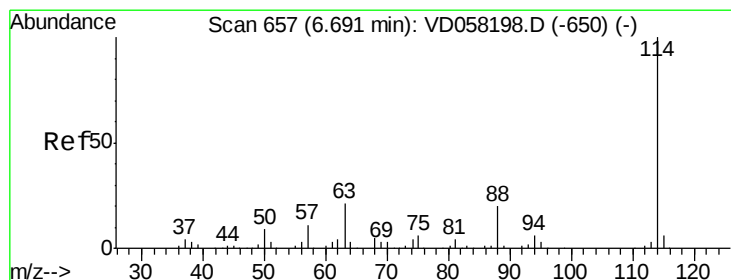
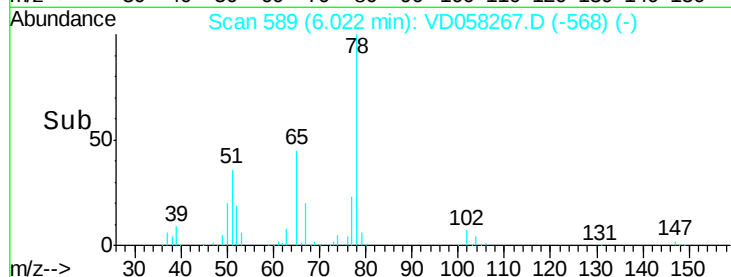
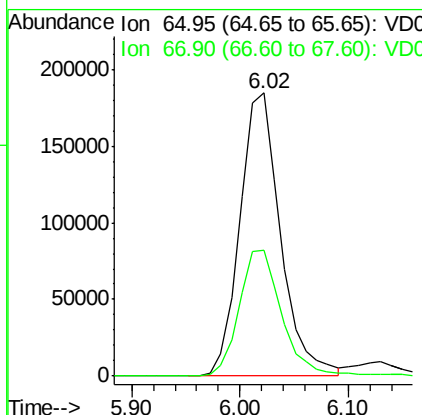
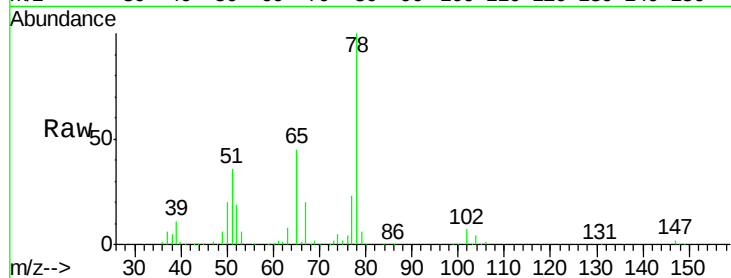




#33
 1,2-Dichloroethane-d4
 Concen: 50.384 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

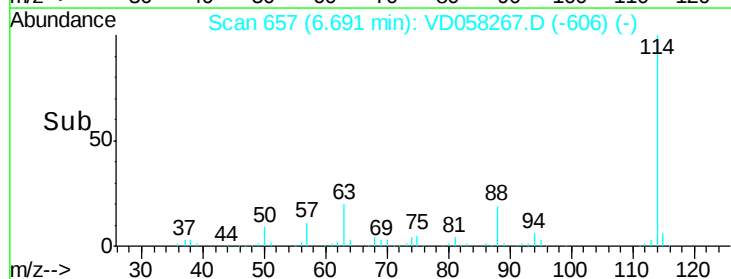
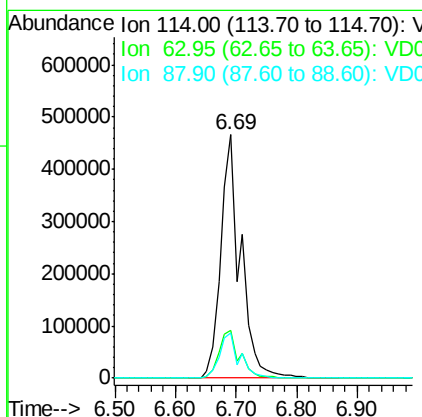
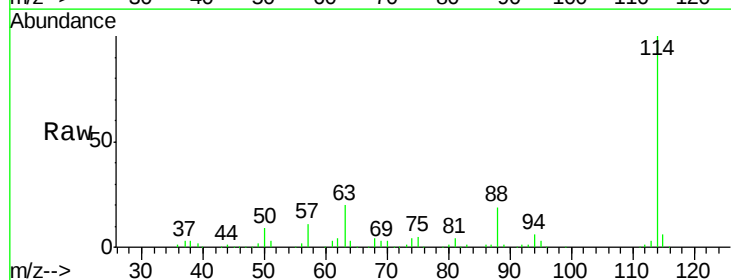
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

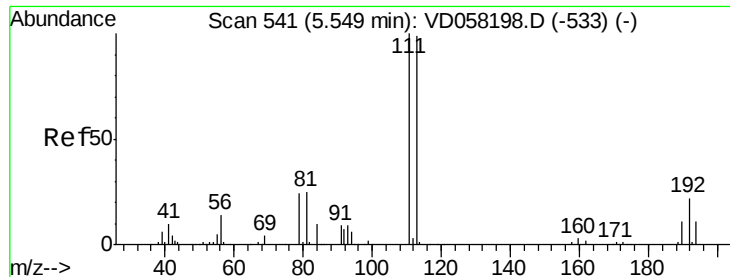
Tot Ion: 65 Resp: 481825
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 114 Resp: 1054530
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 18.7 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

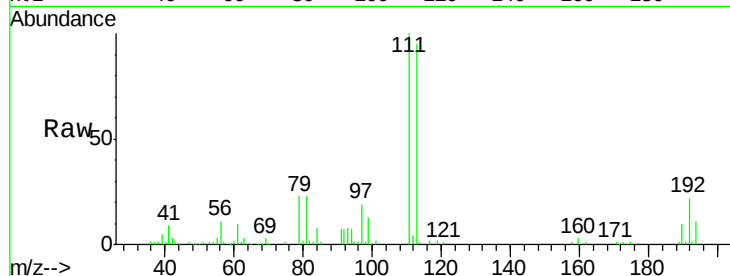
Tot Ion:113 Resp: 498946

Ion Ratio Lower Upper

113 100

111 105.0 80.6 121.0

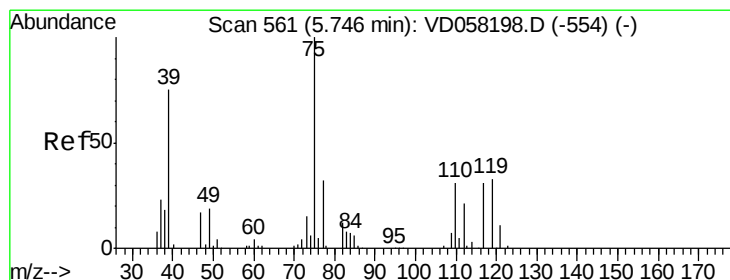
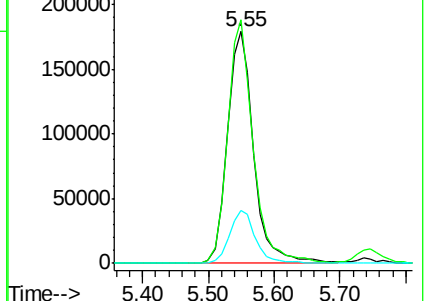
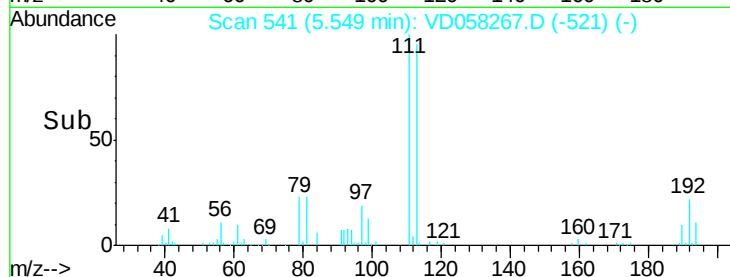
192 22.6 17.8 26.6



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: 53.969 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

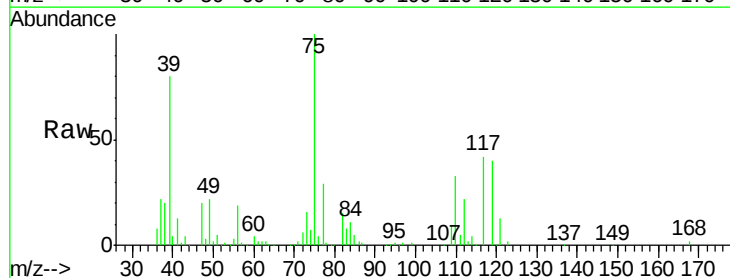
Tgt Ion: 75 Resp: 563006

Ion Ratio Lower Upper

75 100

110 33.5 15.4 46.4

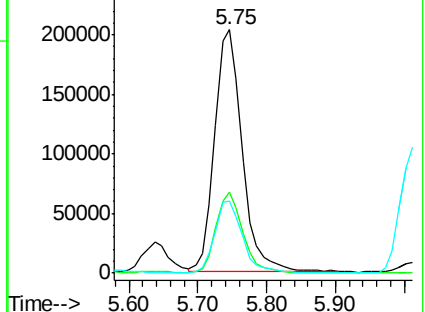
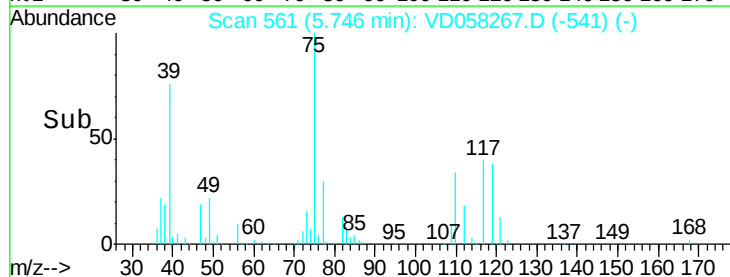
77 29.4 25.4 38.2

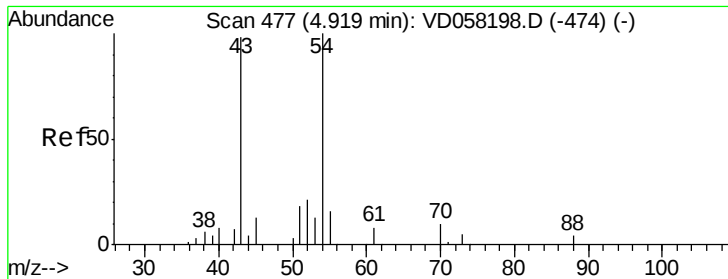


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 54.379 ug/l

RT: 4.93 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

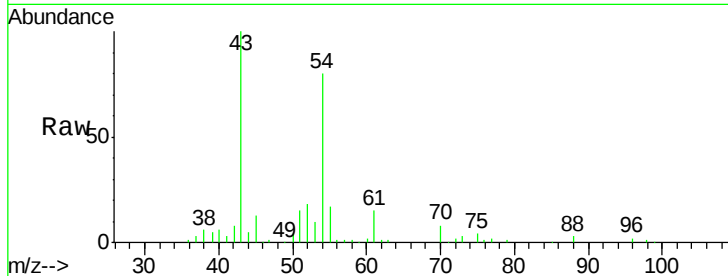
Tot Ion: 43 Resp: 323215

Ion Ratio Lower Upper

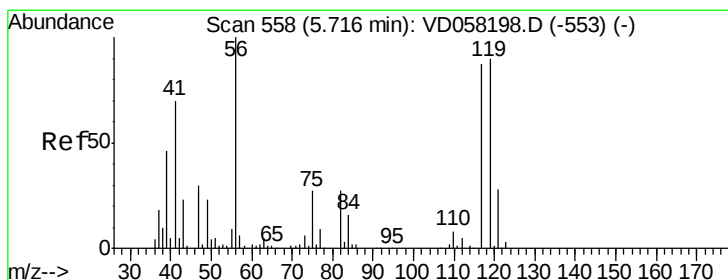
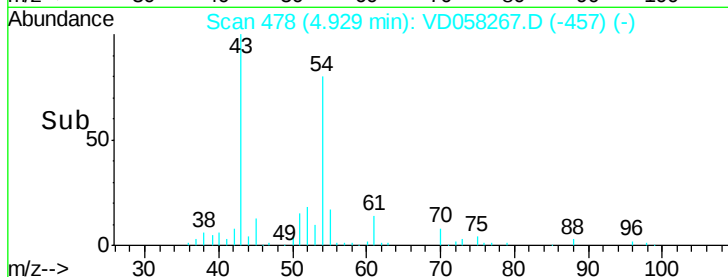
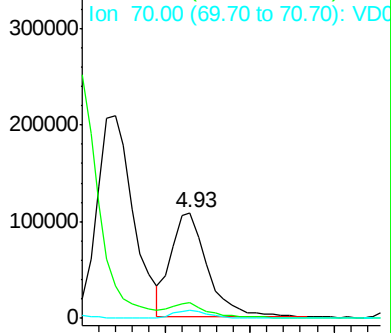
43 100

61 14.9 10.3 15.5

70 7.8 5.7 8.5



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: 53.595 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

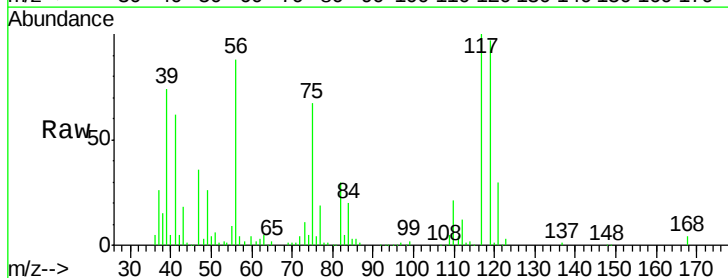
Tgt Ion: 117 Resp: 555531

Ion Ratio Lower Upper

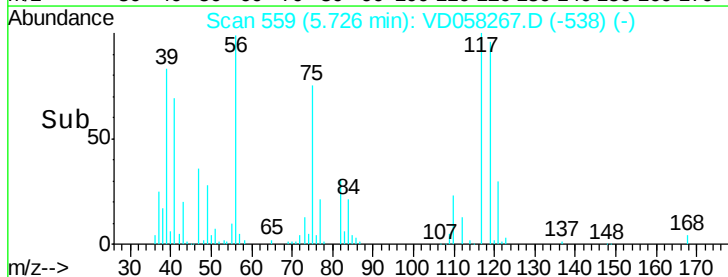
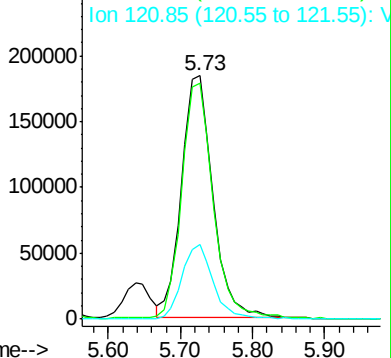
117 100

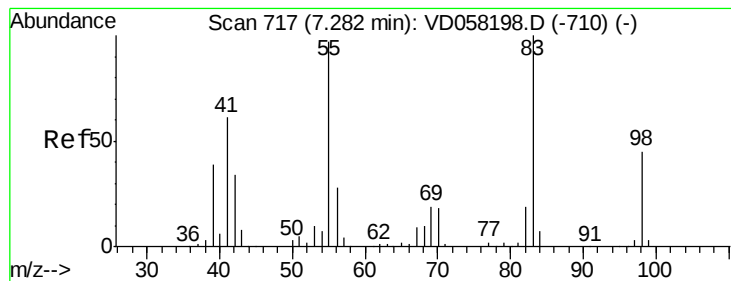
119 96.7 78.8 118.2

121 30.4 25.0 37.6



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: 53.256 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

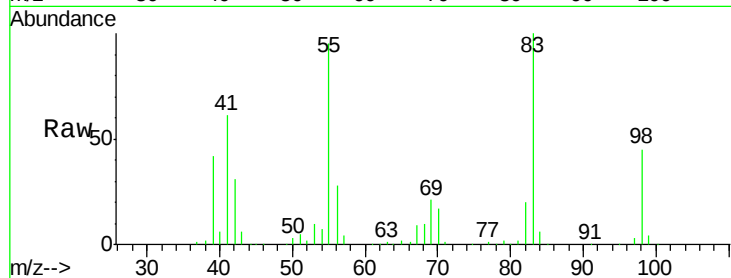
Tot Ion: 83 Resp: 541134

Ion Ratio Lower Upper

83 100

55 95.3 77.4 116.2

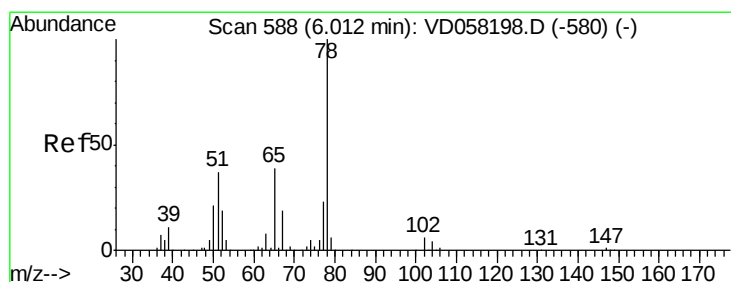
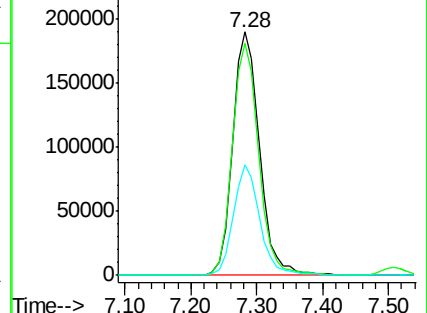
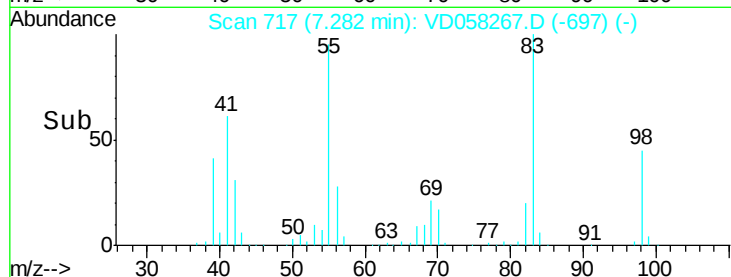
98 45.4 35.9 53.9



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: 52.344 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058267.D

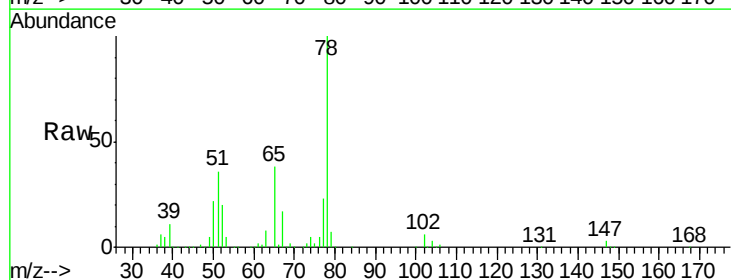
Acq: 21 Jun 2018 22:12

Tgt Ion: 78 Resp: 1300757

Ion Ratio Lower Upper

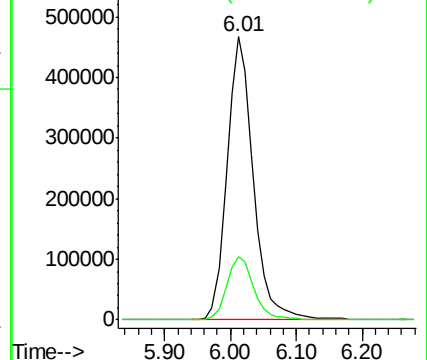
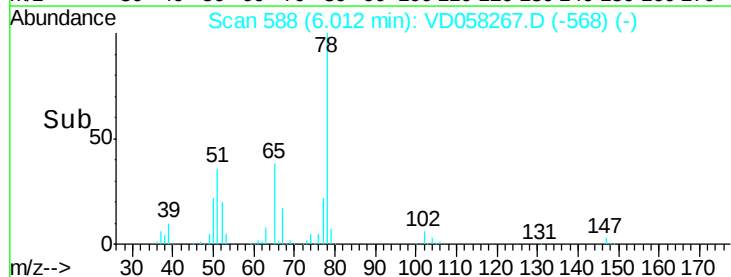
78 100

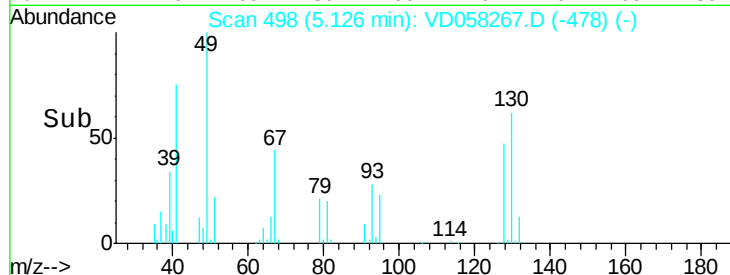
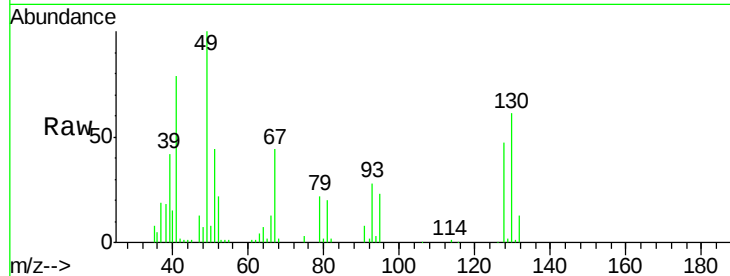
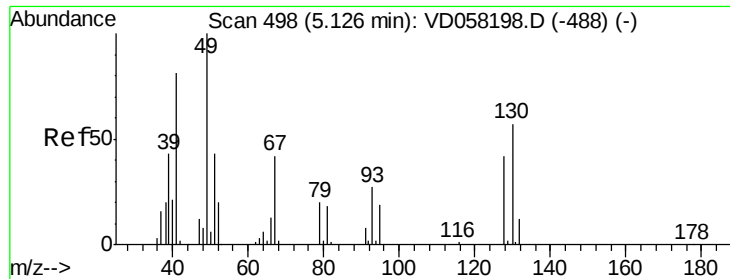
77 22.5 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 55.774 ug/l

RT: 5.13 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 160078

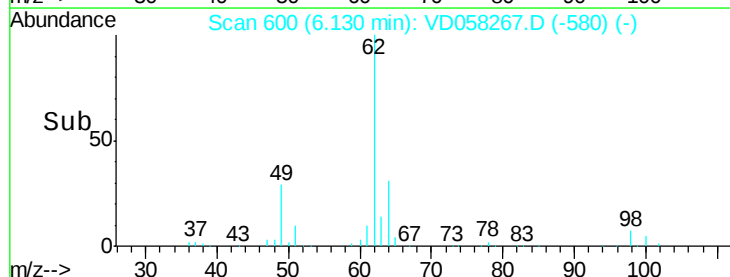
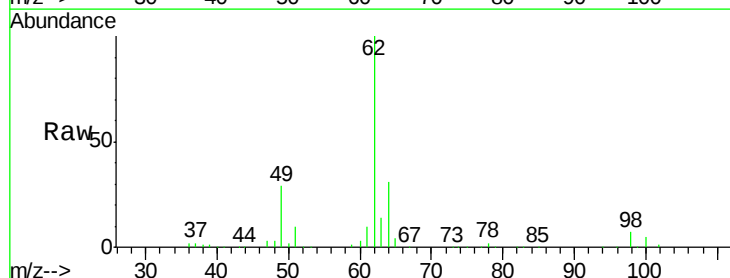
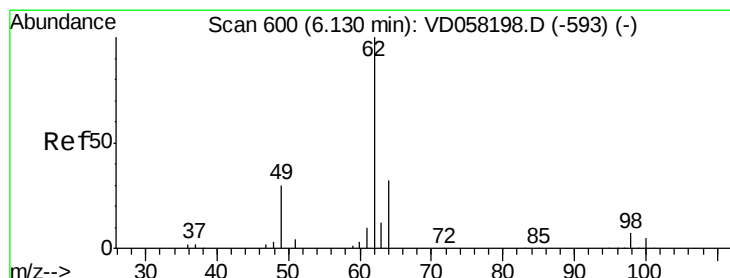
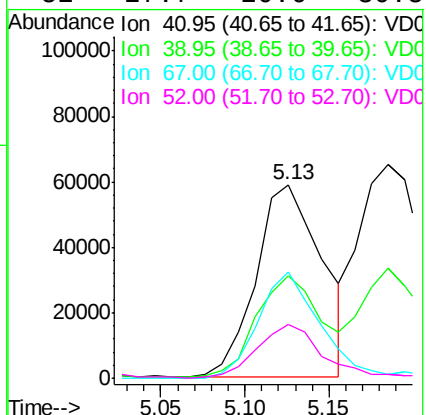
Ion Ratio Lower Upper

41 100

39 52.9 43.4 65.2

67 54.9 41.7 62.5

52 27.7 20.6 30.8



#42

1,2-Dichloroethane

Concen: 56.243 ug/l

RT: 6.13 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD058267.D

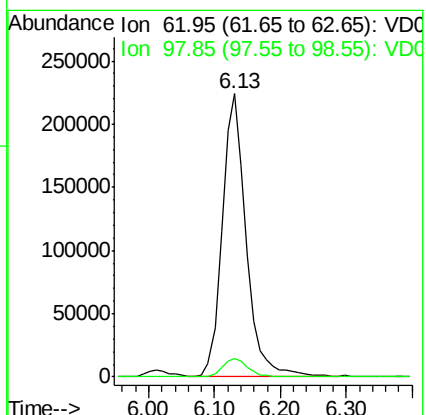
Acq: 21 Jun 2018 22:12

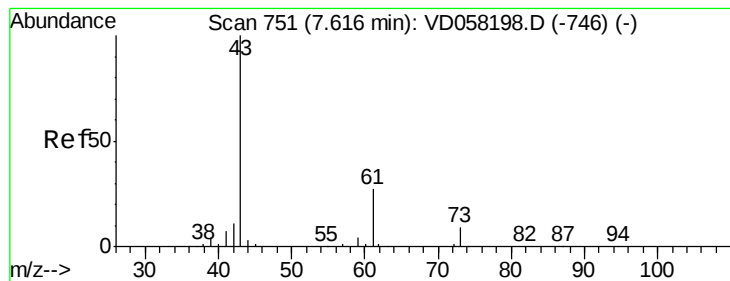
Tgt Ion: 62 Resp: 563559

Ion Ratio Lower Upper

62 100

98 6.6 0.0 13.2





#43

Isopropyl Acetate

Concen: 51.205 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

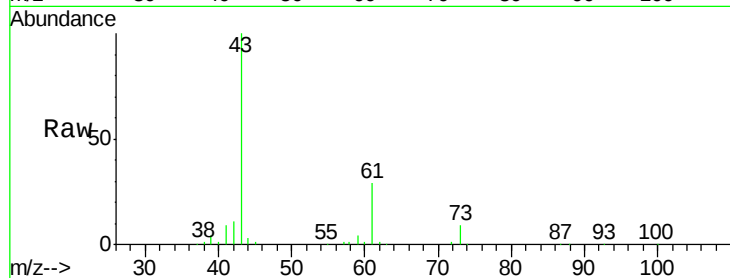
Tot Ion: 43 Resp: 405765

Ion Ratio Lower Upper

43 100

61 29.1 21.8 32.6

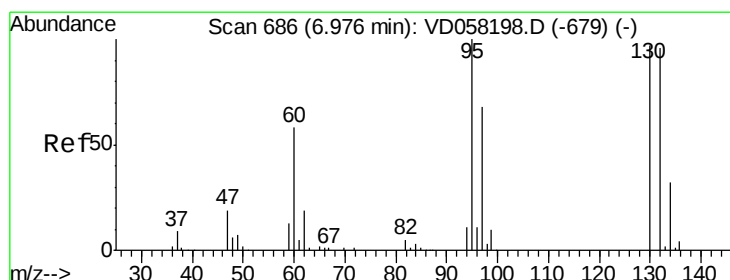
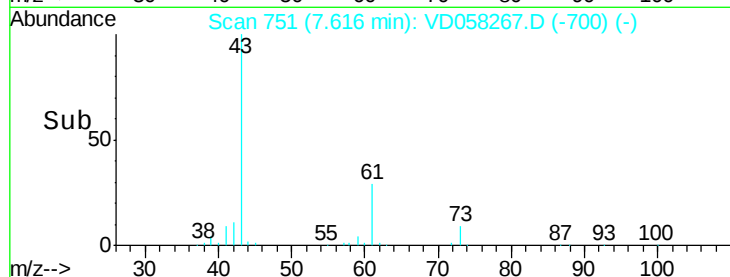
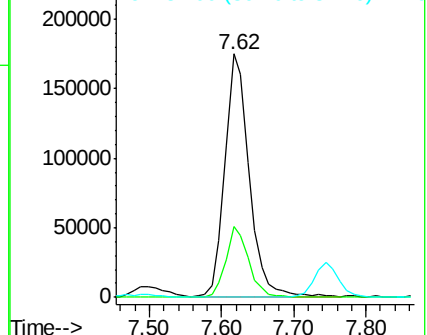
87 0.3 0.3 0.5



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: 56.189 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.00 min

Lab File: VD058267.D

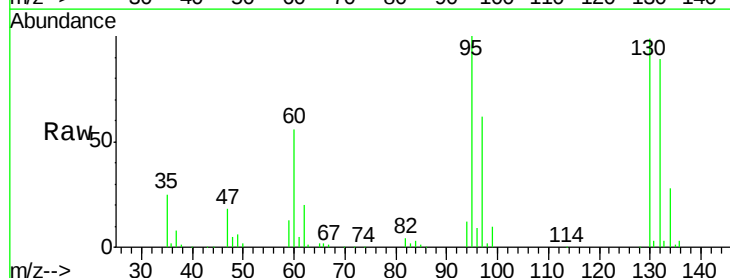
Acq: 21 Jun 2018 22:12

Tgt Ion:130 Resp: 419281

Ion Ratio Lower Upper

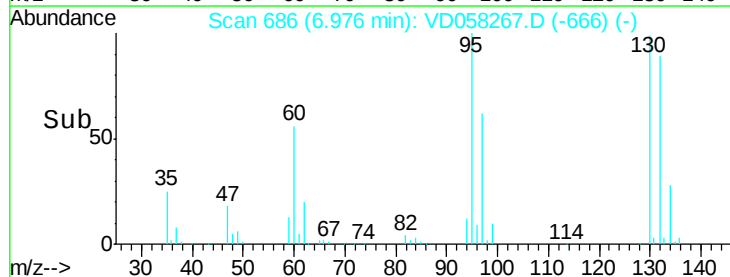
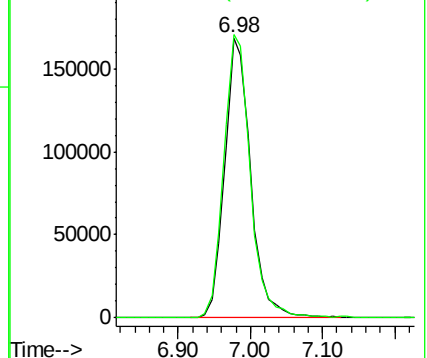
130 100

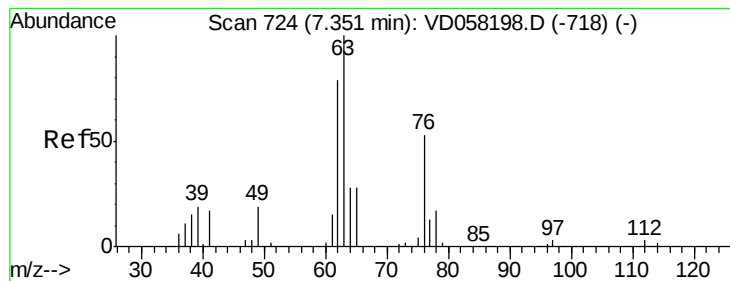
95 101.1 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 56.315 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

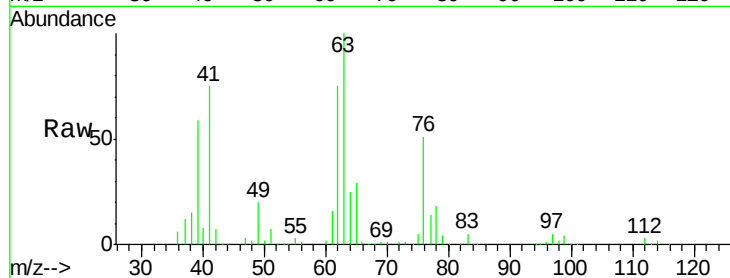
VSTDCCC050EC

Tot Ion: 63 Resp: 376889

Ion Ratio Lower Upper

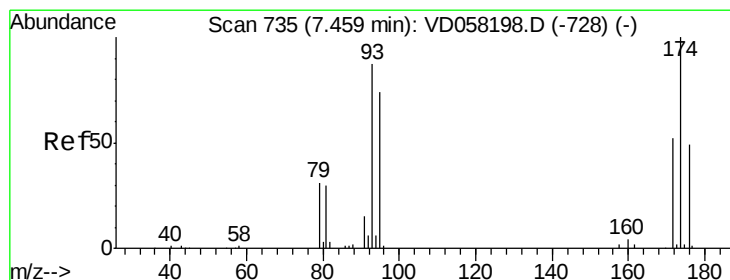
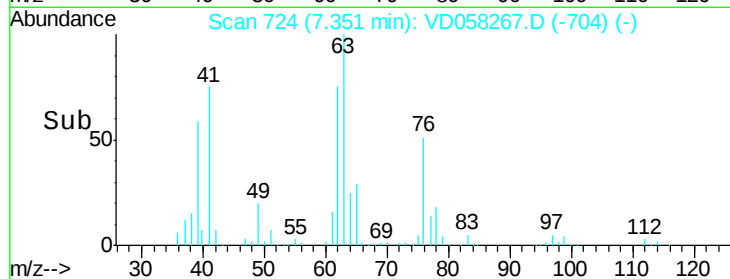
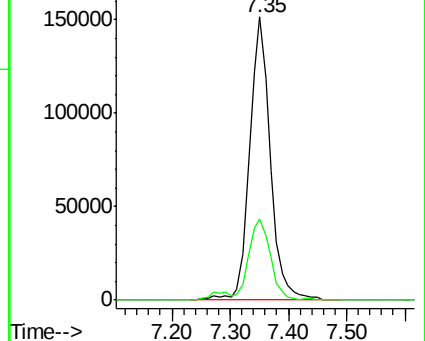
63 100

65 28.8 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.876 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

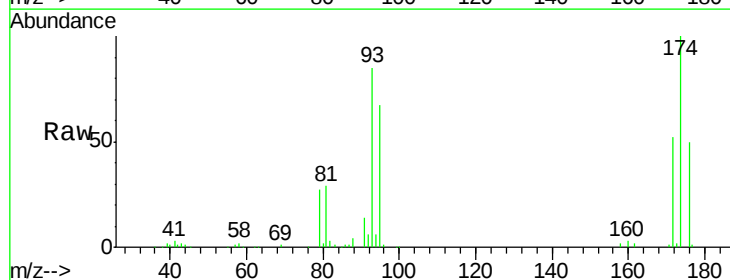
Tgt Ion: 93 Resp: 255282

Ion Ratio Lower Upper

93 100

95 78.7 67.8 101.6

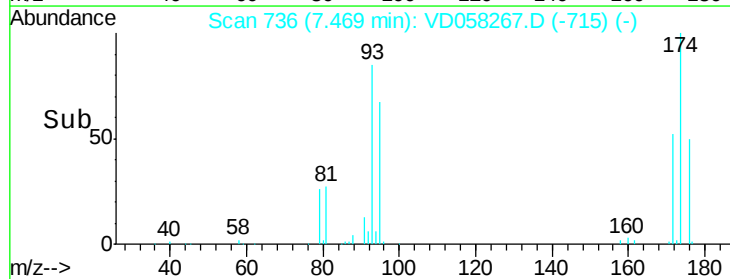
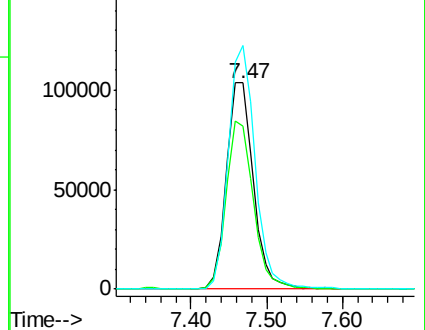
174 118.0 92.2 138.2

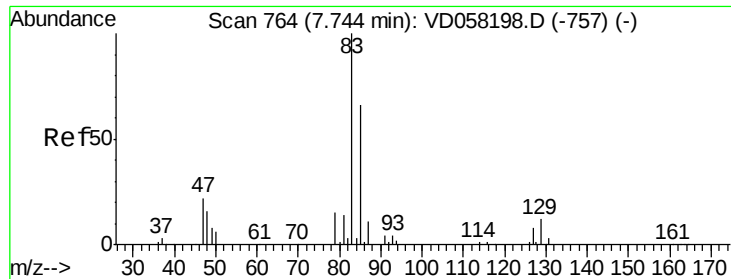


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.455 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

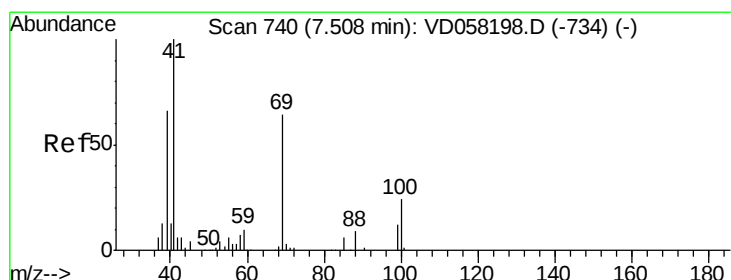
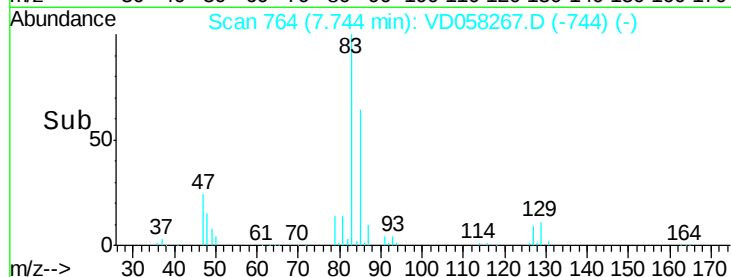
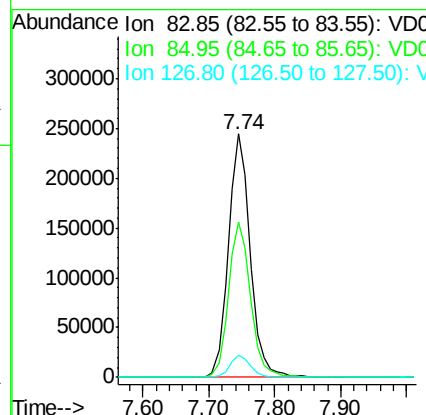
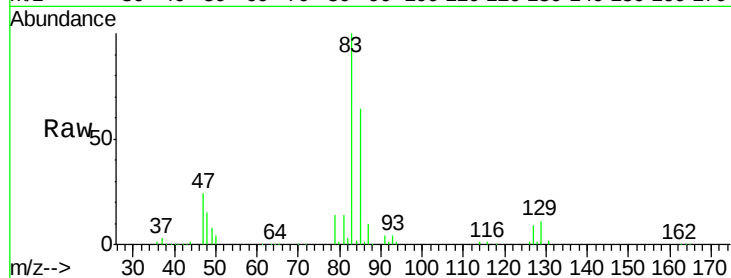
Tot Ion: 83 Resp: 567330

Ion Ratio Lower Upper

83 100

85 64.0 52.6 78.8

127 9.1 6.2 9.4



#48

Methyl methacrylate

Concen: 53.271 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

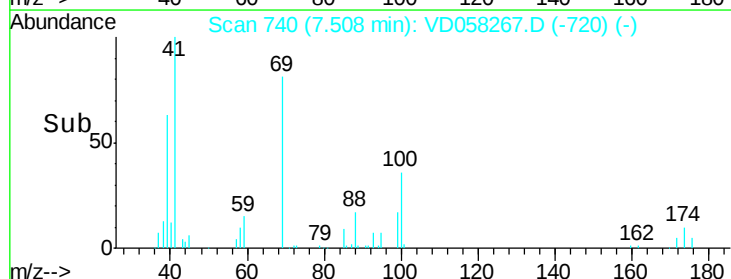
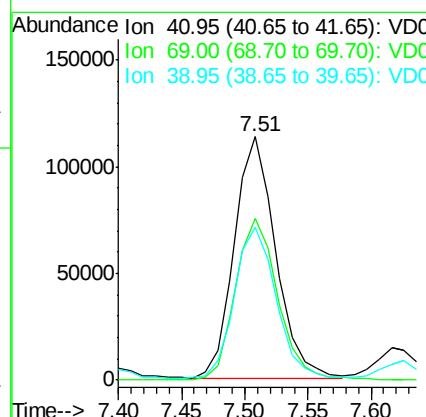
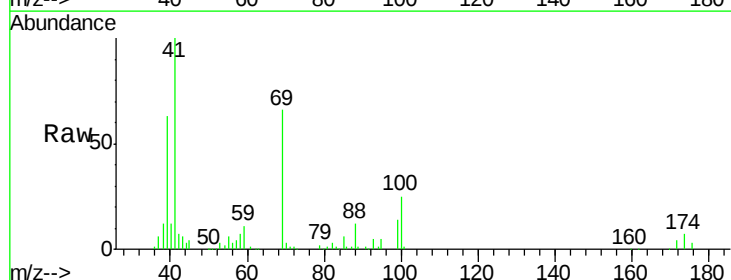
Tgt Ion: 41 Resp: 256564

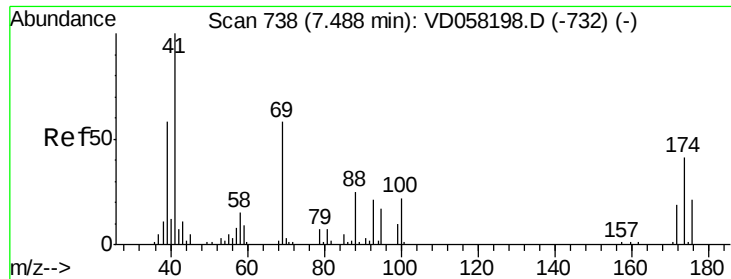
Ion Ratio Lower Upper

41 100

69 66.3 50.7 76.1

39 62.8 52.6 78.8

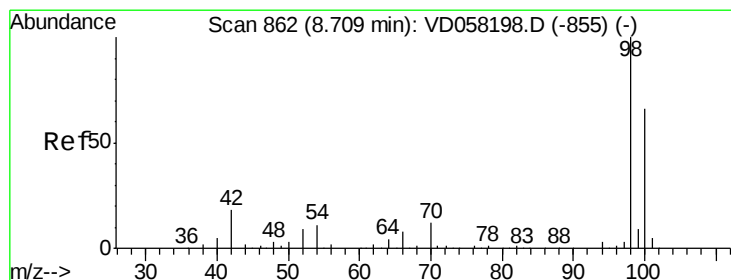
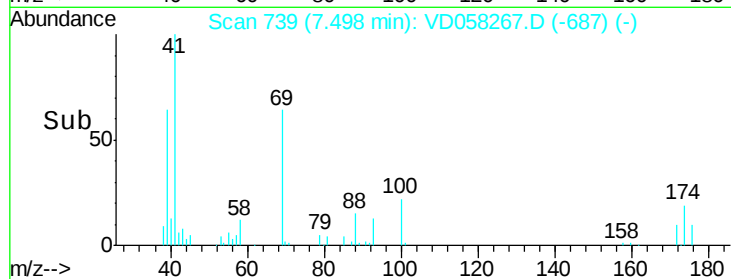
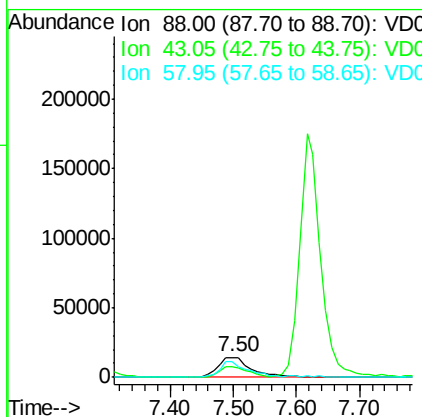
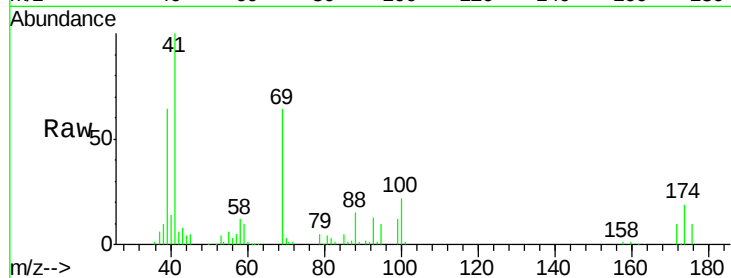




#49
1,4-Dioxane
Concen: 1212.185 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.01 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

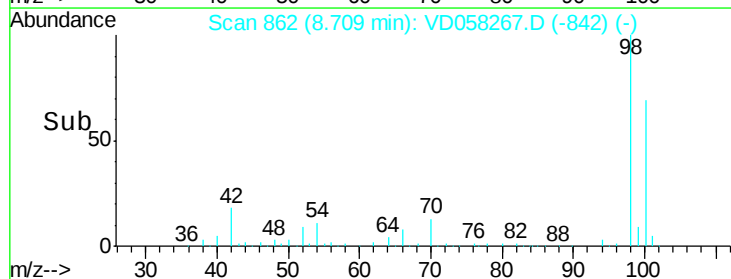
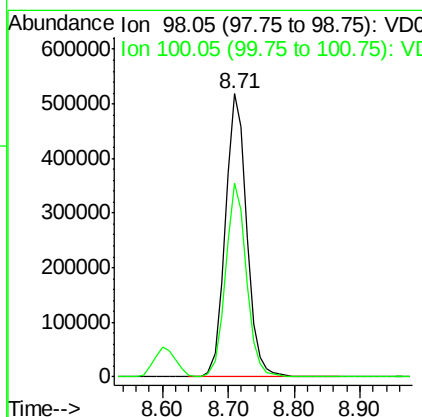
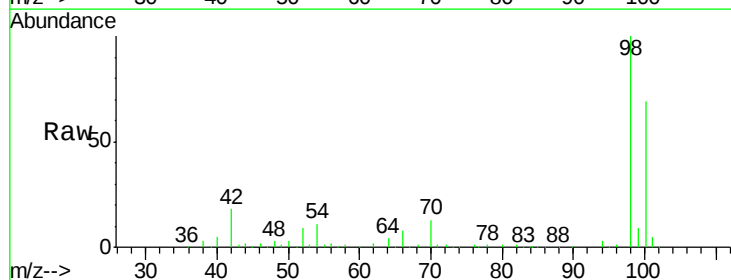
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

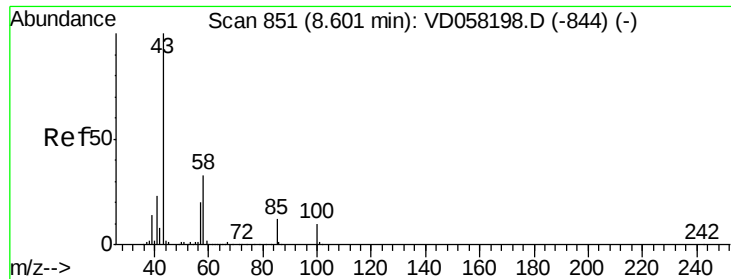
Tot Ion: 88 Resp: 52699
Ion Ratio Lower Upper
88 100
43 51.4 34.2 51.2#
58 79.4 47.9 71.9#



#50
Toluene-d8
Concen: 1212.185 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 98 Resp: 1183789
Ion Ratio Lower Upper
98 100
100 68.6 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 257.835 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

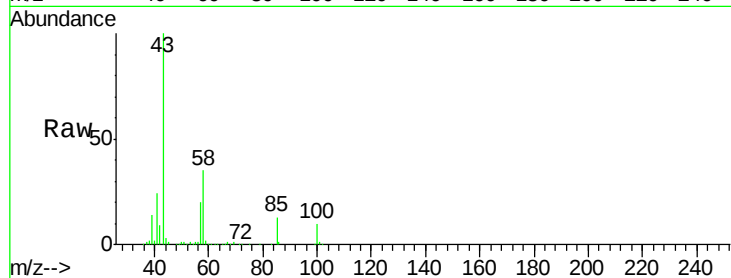
VSTDCCC050EC

Tot Ion: 43 Resp: 1332697

Ion Ratio Lower Upper

43 100

58 34.5 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.60

600000

500000

400000

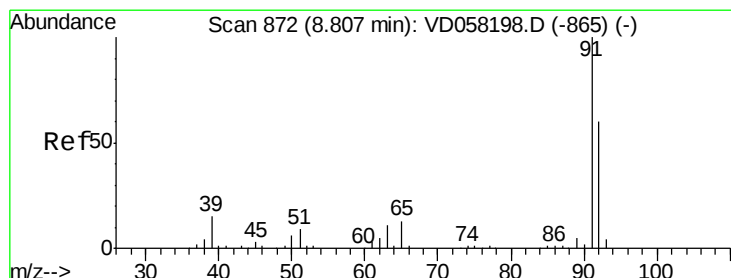
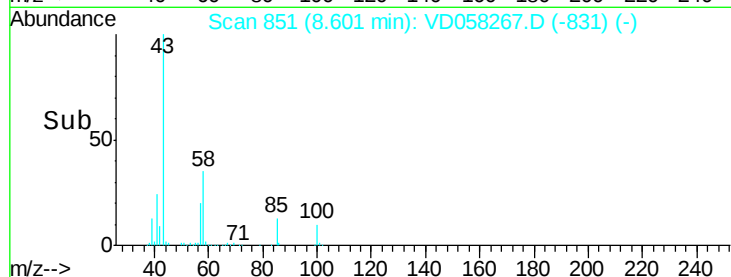
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.904 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058267.D

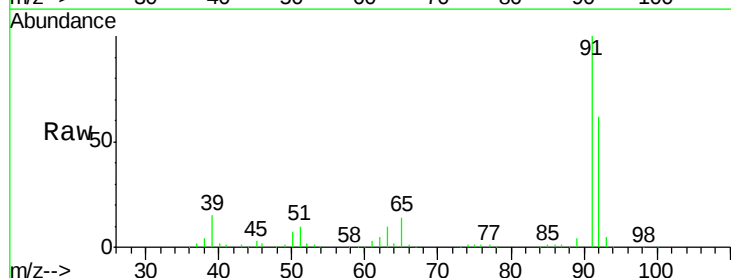
Acq: 21 Jun 2018 22:12

Tgt Ion: 92 Resp: 762740

Ion Ratio Lower Upper

92 100

91 162.3 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

600000

500000

400000

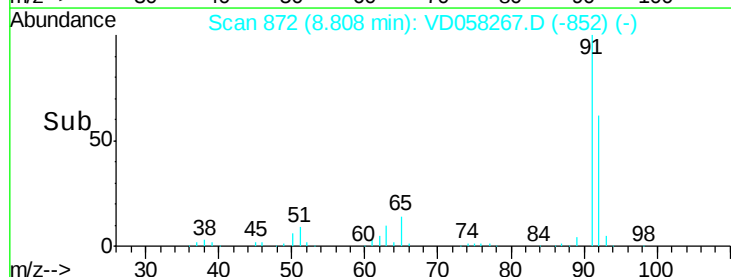
300000

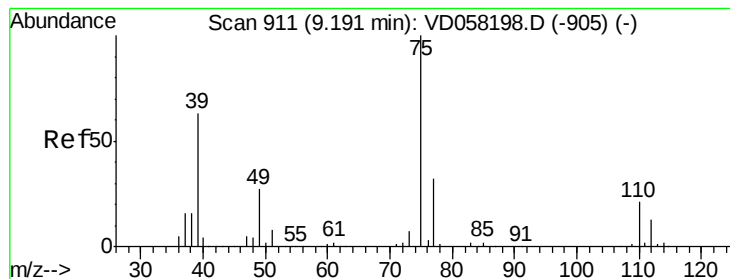
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.199 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

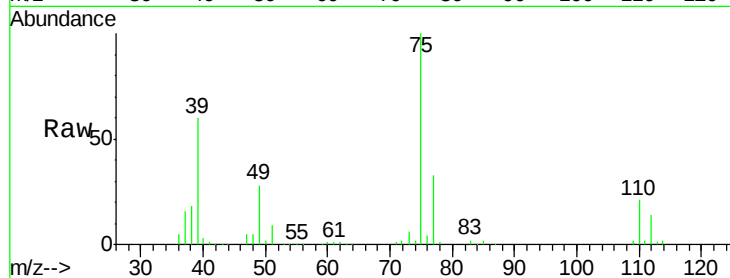
VSTDCCC050EC

Tot Ion: 75 Resp: 472809

Ion Ratio Lower Upper

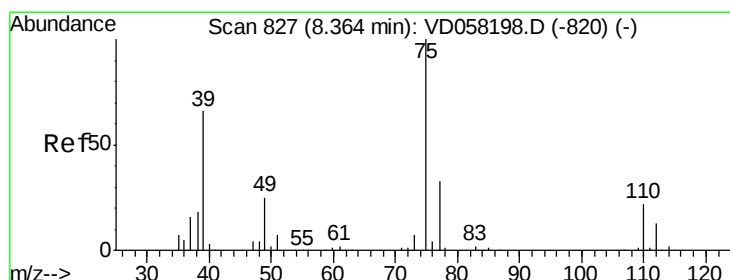
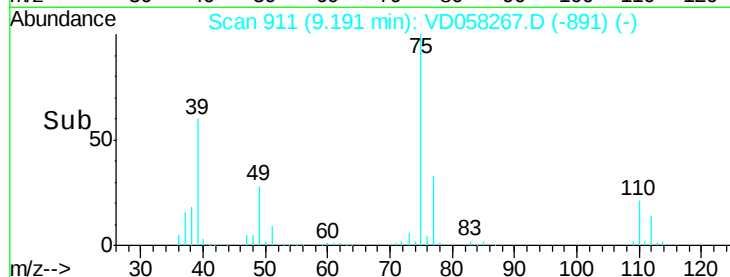
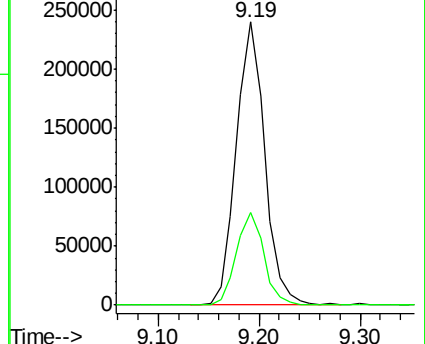
75 100

77 33.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 52.779 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

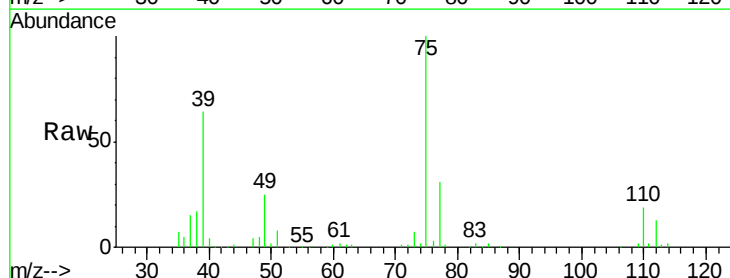
Tgt Ion: 75 Resp: 560464

Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7

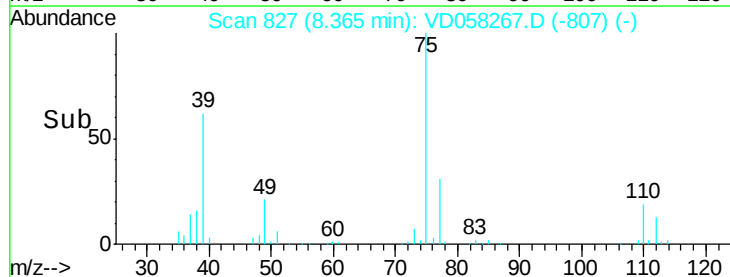
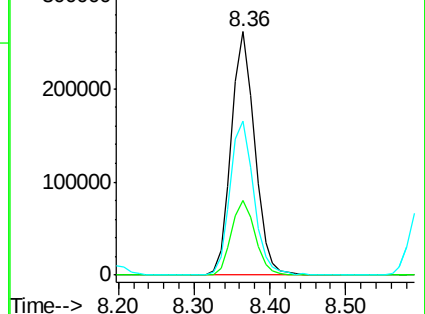
39 63.5 52.9 79.3

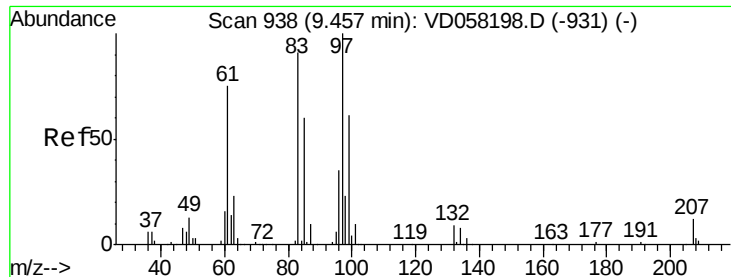


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 53.230 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 266487

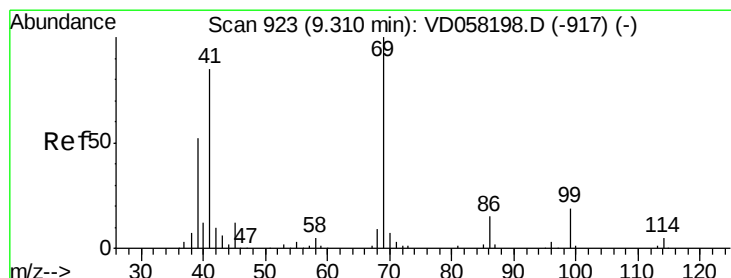
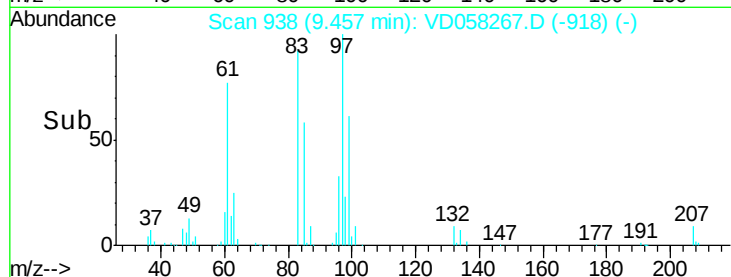
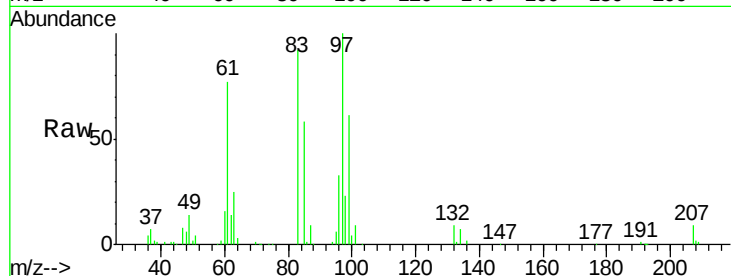
Ion	Ratio	Lower	Upper
97	100		
83	92.5	72.9	109.3
85	57.8	48.2	72.4
99	61.0	48.9	73.3

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: 52.858 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

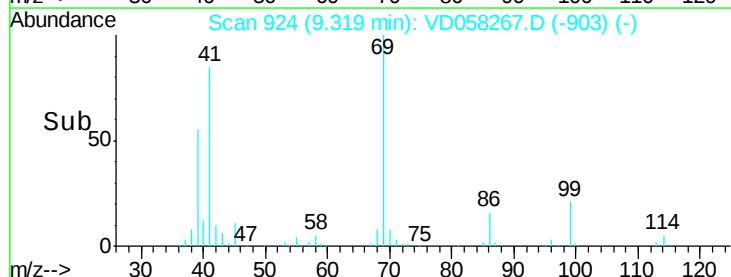
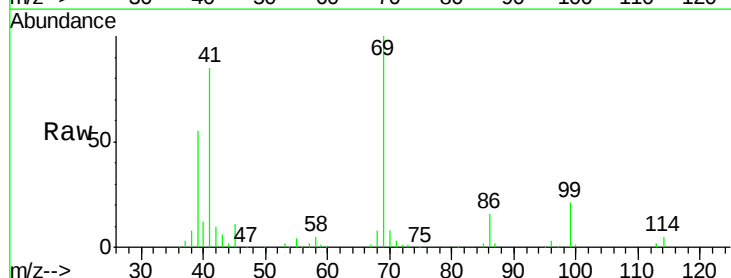
Tgt Ion: 69 Resp: 316473

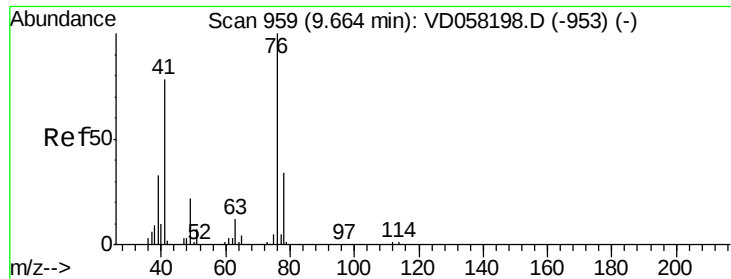
Ion	Ratio	Lower	Upper
69	100		
41	84.7	67.6	101.4
39	54.6	42.2	63.2

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 56.340 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

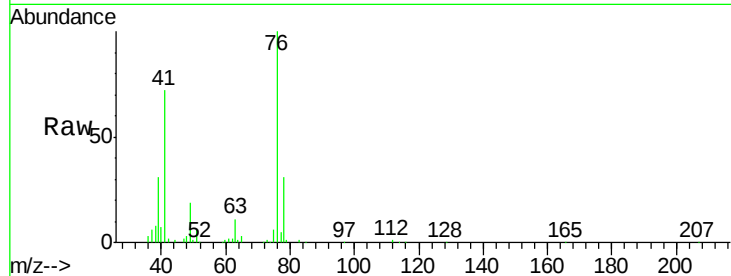
VSTDCCC050EC

Tot Ion: 76 Resp: 475115

Ion Ratio Lower Upper

76 100

78 30.9 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

9.67

200000

150000

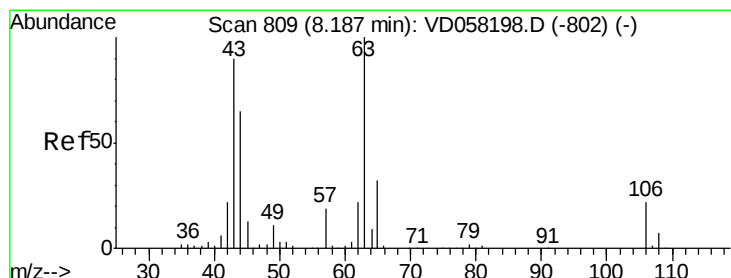
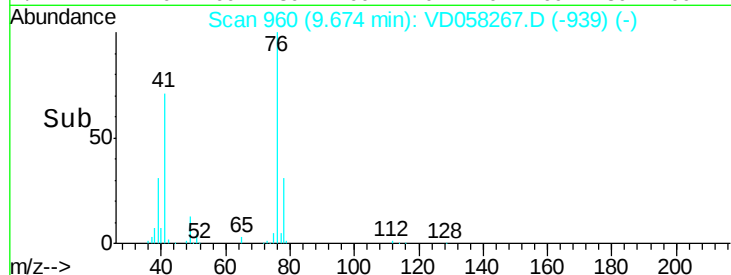
100000

50000

0

9.60 9.70 9.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 281.440 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058267.D

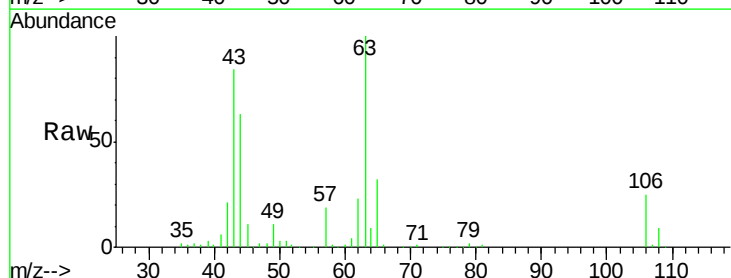
Acq: 21 Jun 2018 22:12

Tgt Ion: 63 Resp: 834186

Ion Ratio Lower Upper

63 100

106 24.6 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.20

400000

300000

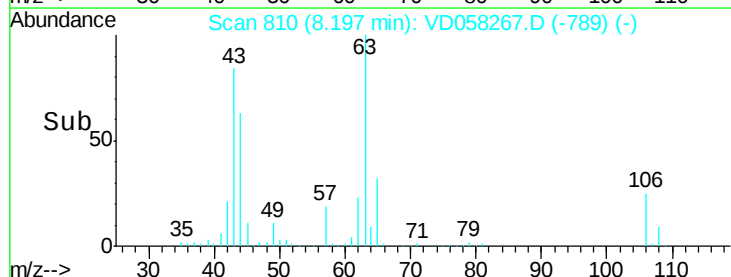
200000

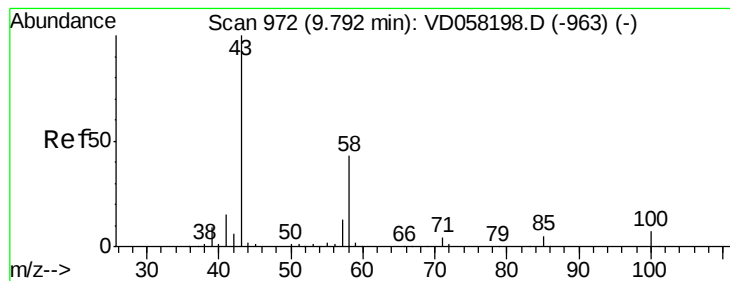
100000

0

8.10 8.20 8.30

Time-->





#59

2-Hexanone

Concen: 262.203 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

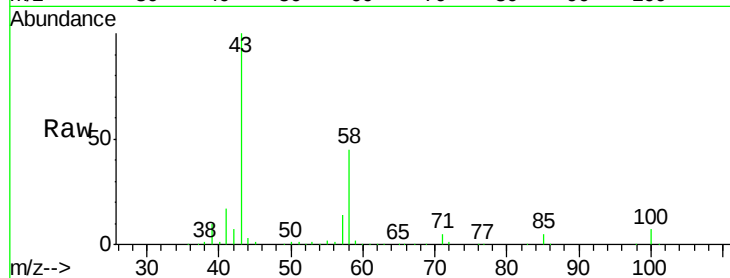
VSTDCCC050EC

Tot Ion: 43 Resp: 979294

Ion Ratio Lower Upper

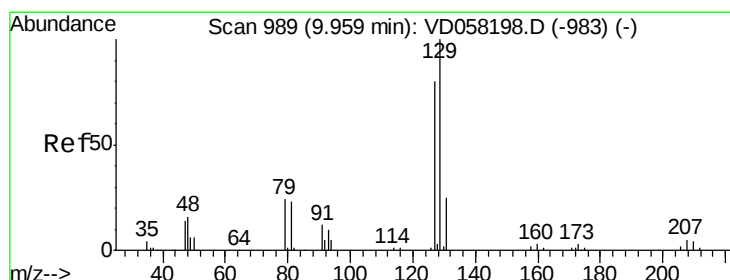
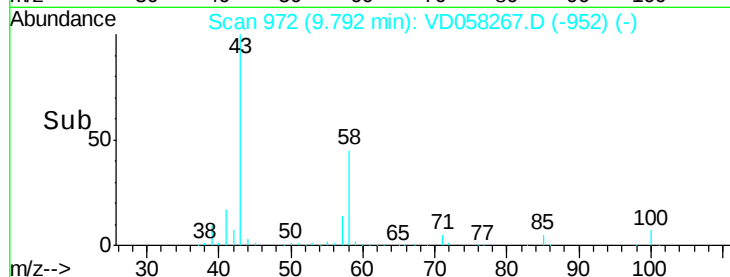
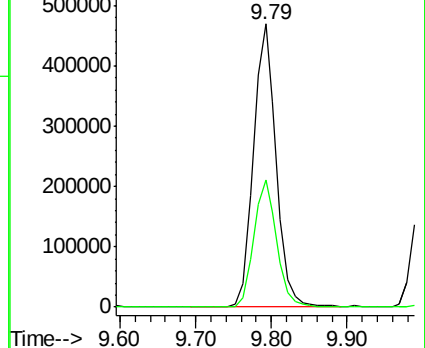
43 100

58 44.7 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 53.251 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD058267.D

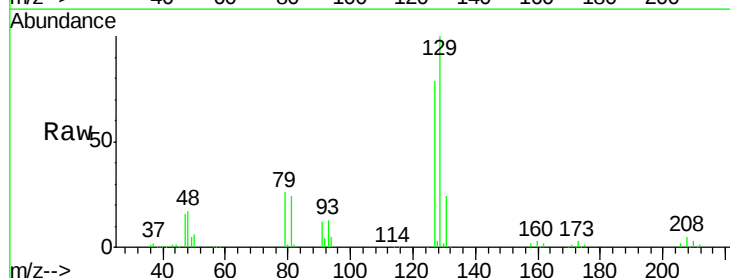
Acq: 21 Jun 2018 22:12

Tgt Ion:129 Resp: 361792

Ion Ratio Lower Upper

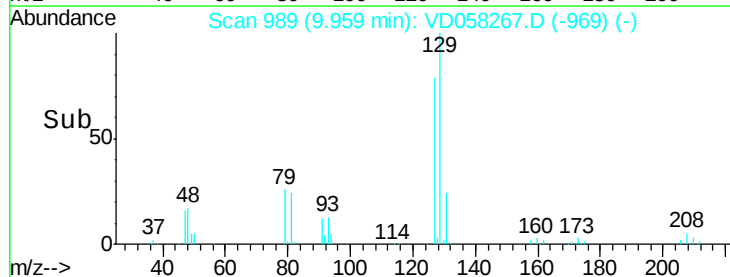
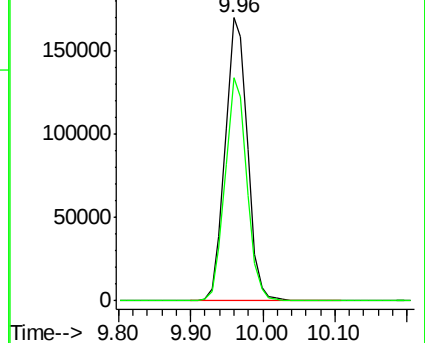
129 100

127 78.7 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 56.836 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

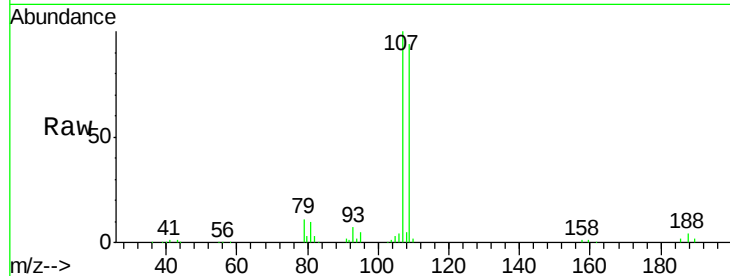
VSTDCCC050EC

Tot Ion:107 Resp: 311427

Ion Ratio Lower Upper

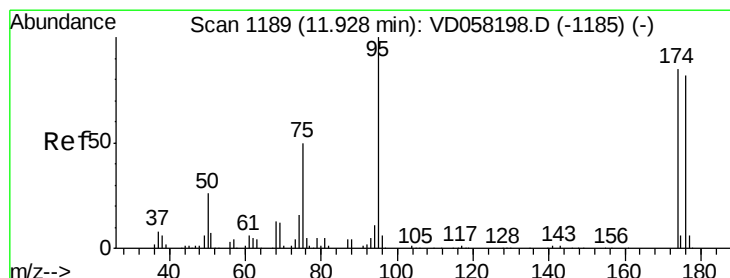
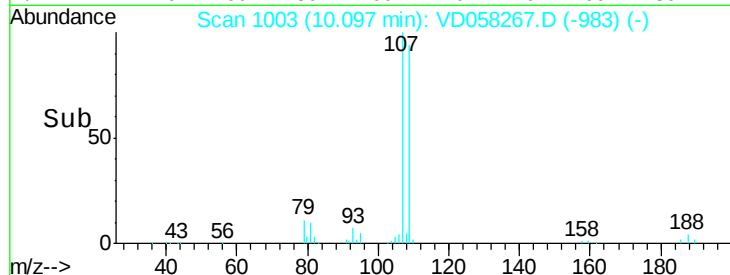
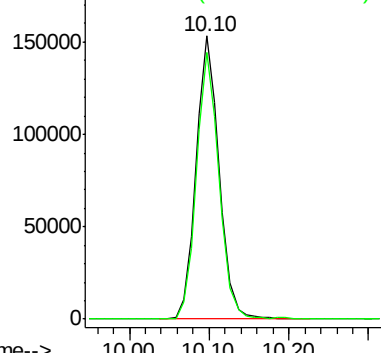
107 100

109 94.1 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 56.836 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

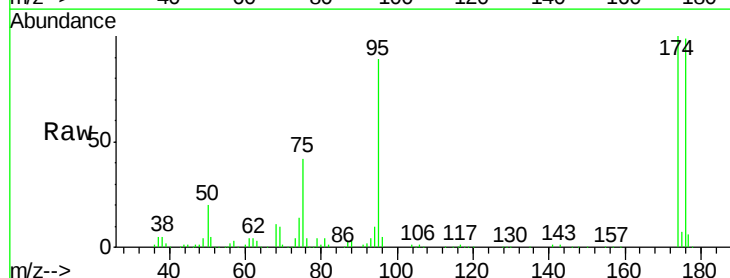
Tgt Ion: 95 Resp: 481947

Ion Ratio Lower Upper

95 100

174 112.0 0.0 170.2

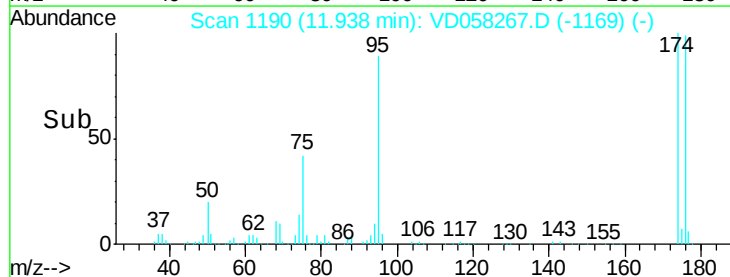
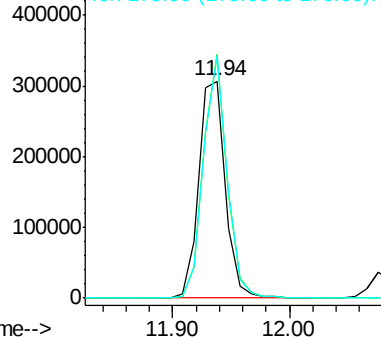
176 111.4 0.0 164.6

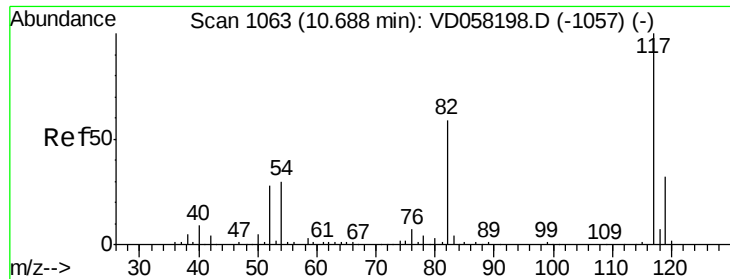


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

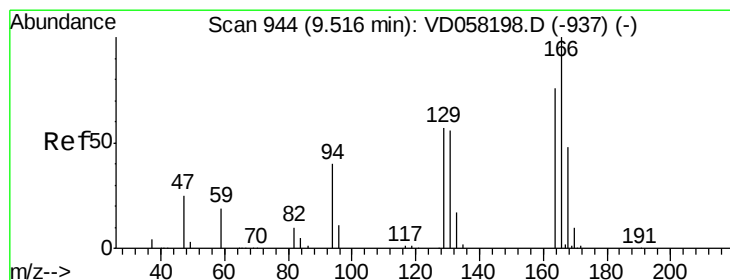
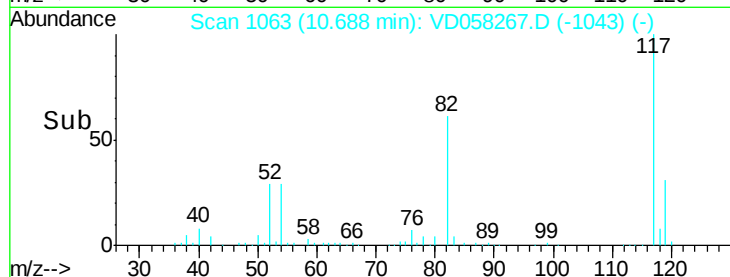
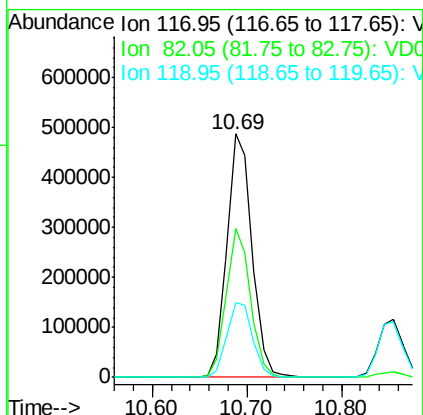
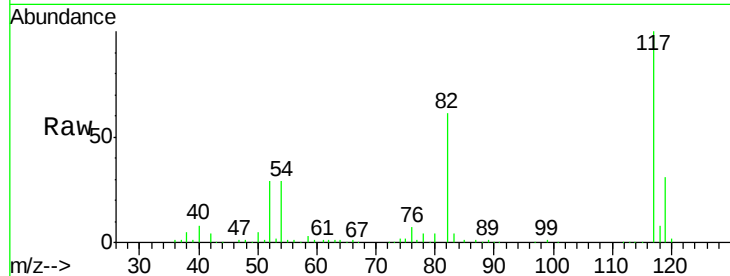




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

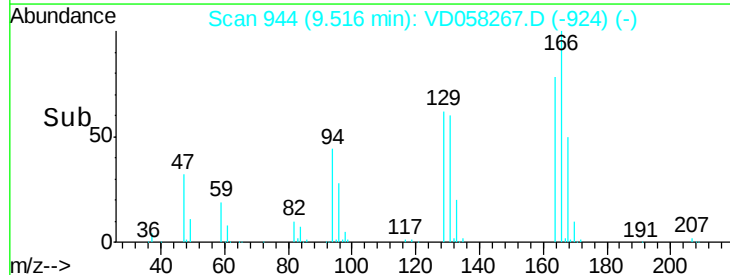
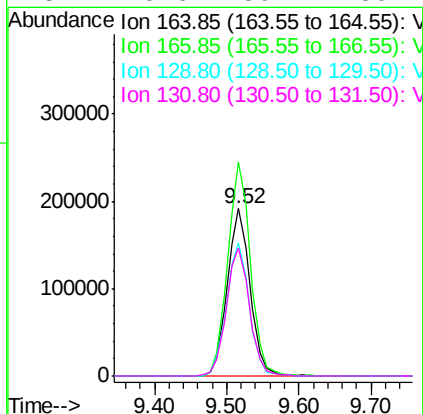
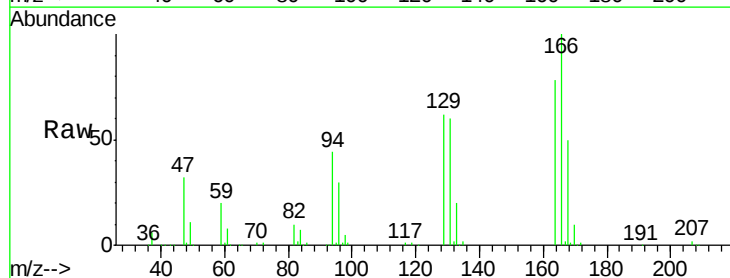
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

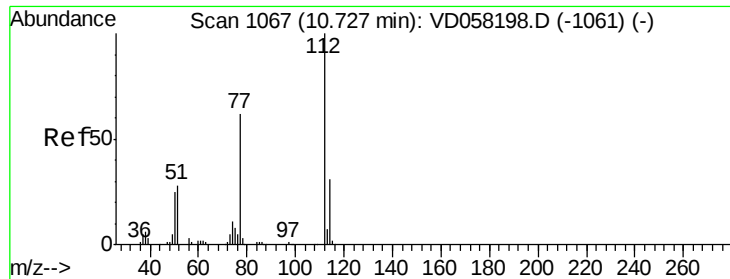
Tot Ion:117 Resp: 889789
Ion Ratio Lower Upper
117 100
82 61.2 47.0 70.6
119 30.7 25.3 37.9



#64
Tetrachloroethene
Concen: 56.084 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion:164 Resp: 419894
Ion Ratio Lower Upper
164 100
166 127.6 105.4 158.0
129 79.4 59.6 89.4
131 76.6 59.4 89.2





#65

Chlorobenzene

Concen: 51.037 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

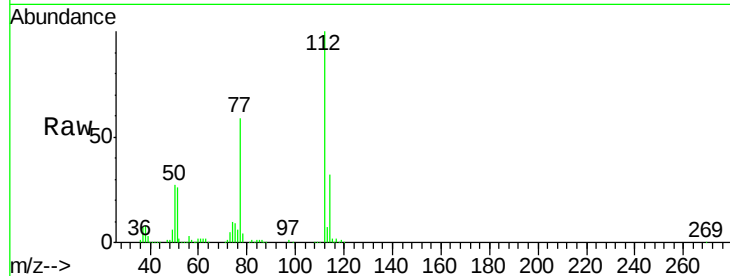
VSTDCCC050EC

Tot Ion:112 Resp: 849449

Ion Ratio Lower Upper

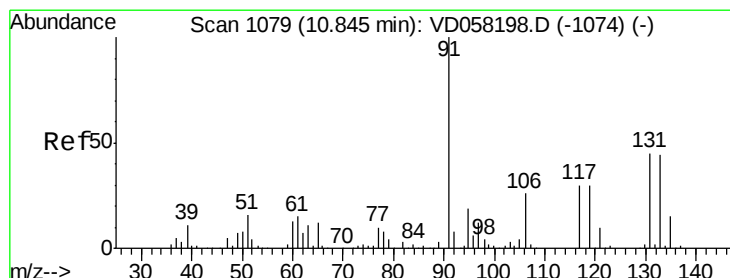
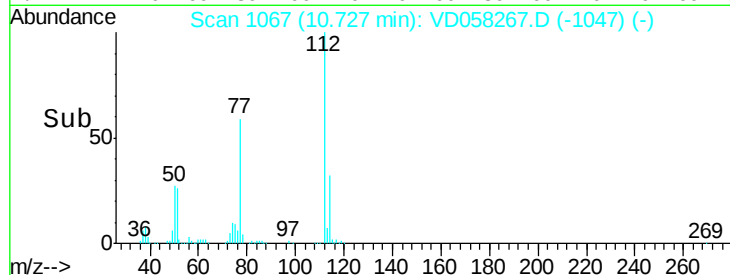
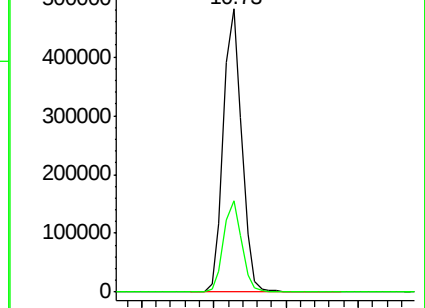
112 100

114 32.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.249 ug/l

RT: 10.86 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

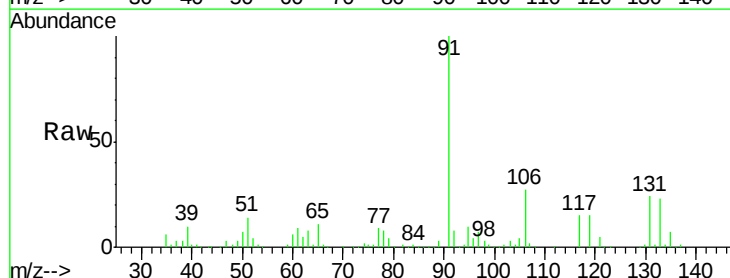
Tgt Ion:131 Resp: 329174

Ion Ratio Lower Upper

131 100

133 95.5 48.6 145.9

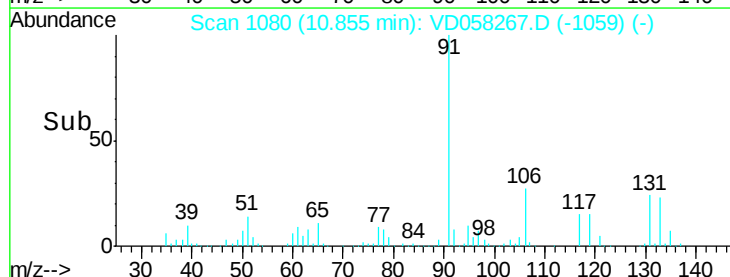
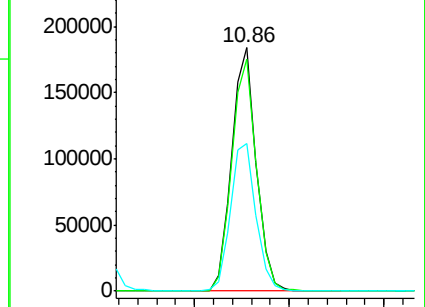
119 60.6 33.0 99.0

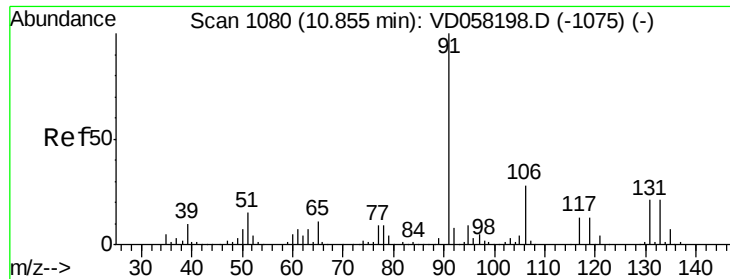


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

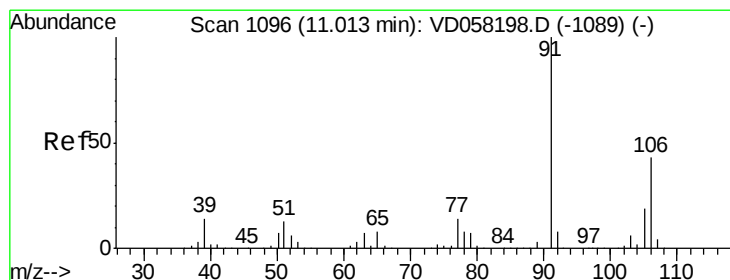
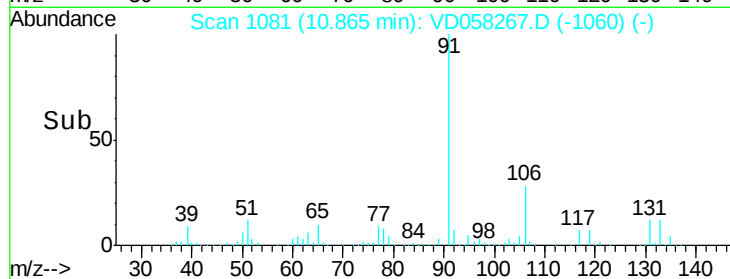
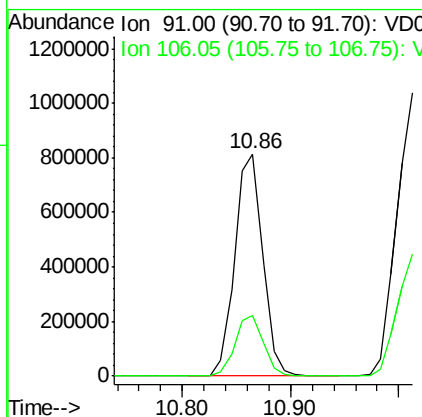
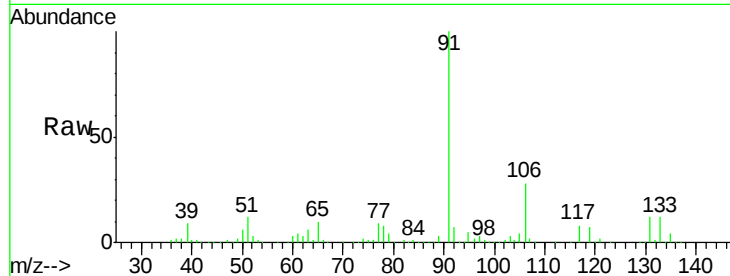




#67
Ethyl Benzene
Concen: 49.884 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

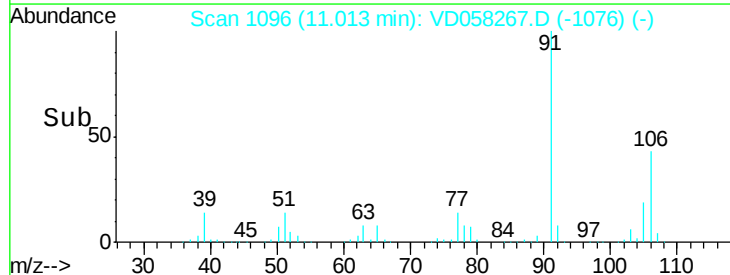
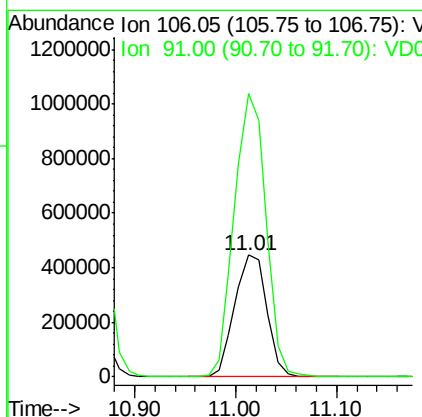
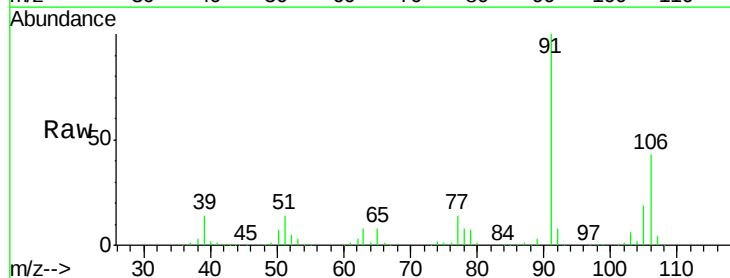
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

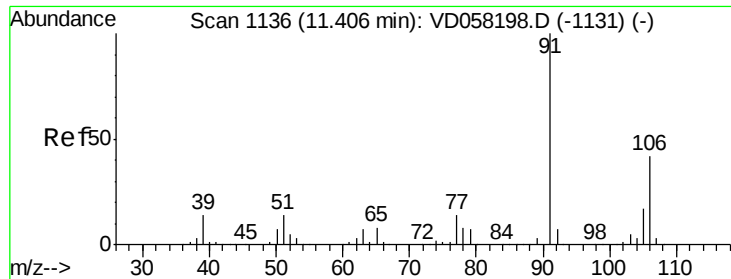
Tot Ion: 91 Resp: 1465800
Ion Ratio Lower Upper
91 100
106 27.5 22.0 33.0



#68
m/p-Xylenes
Concen: 101.101 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 106 Resp: 990683
Ion Ratio Lower Upper
106 100
91 232.3 185.0 277.6

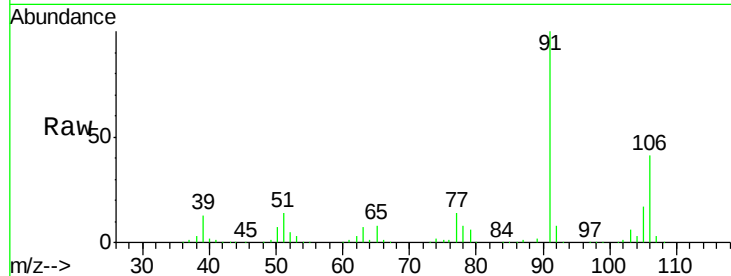




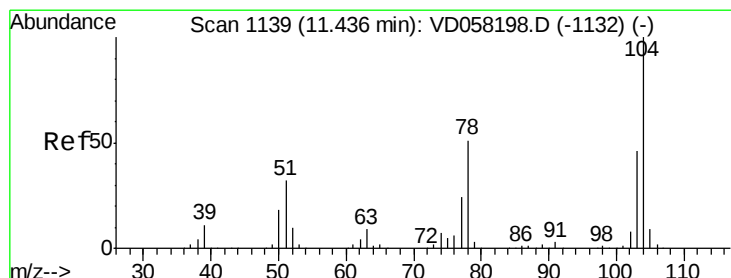
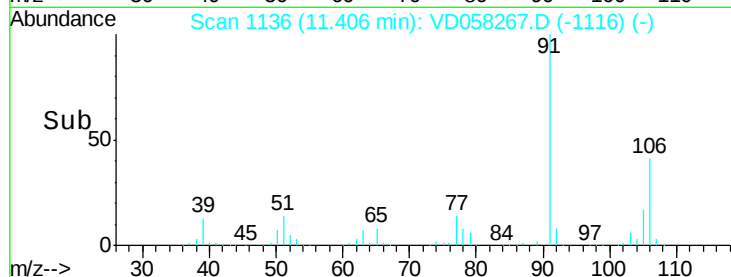
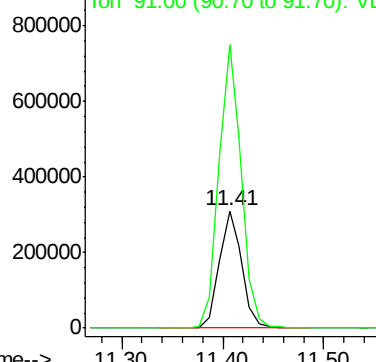
#69
o-Xylene
Concen: 51.388 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 480943
Ion Ratio Lower Upper
106 100
91 241.7 120.2 360.6

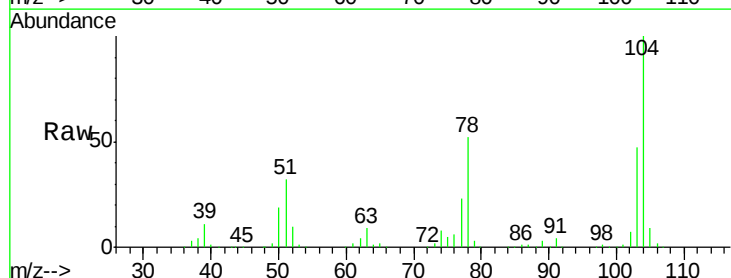


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

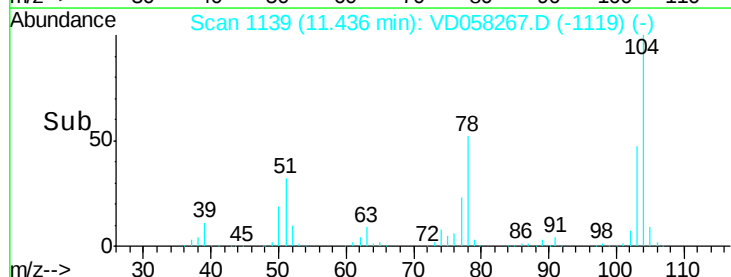
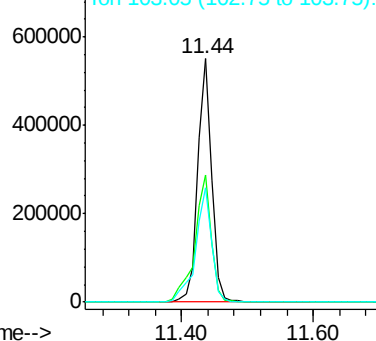


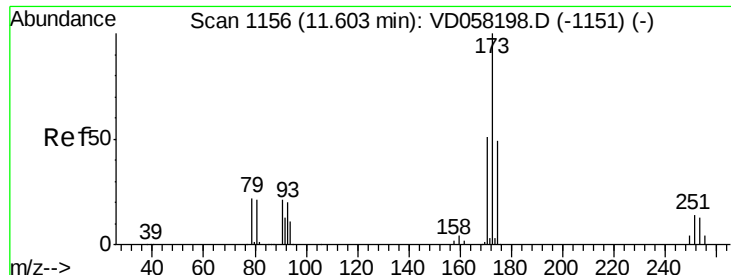
#70
Styrene
Concen: 51.322 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion:104 Resp: 819624
Ion Ratio Lower Upper
104 100
78 52.4 40.8 61.2
103 46.8 37.0 55.6



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

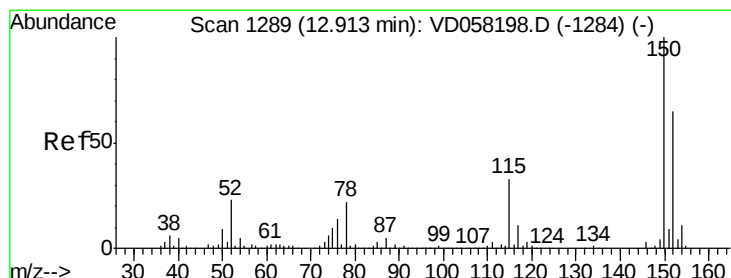
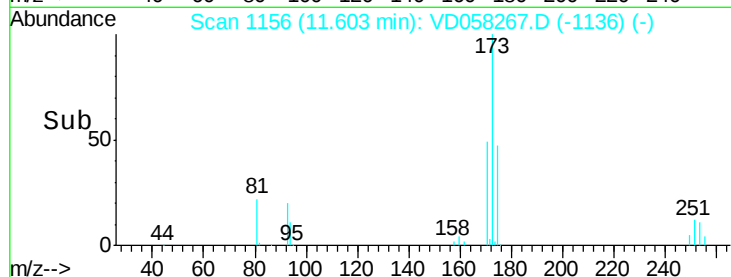
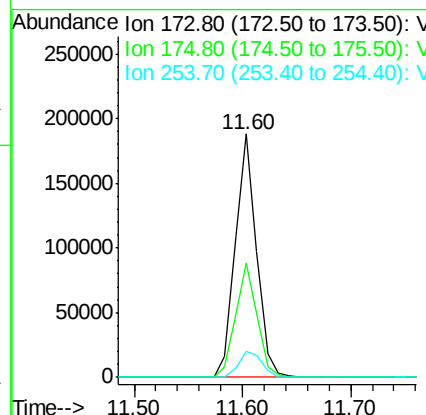
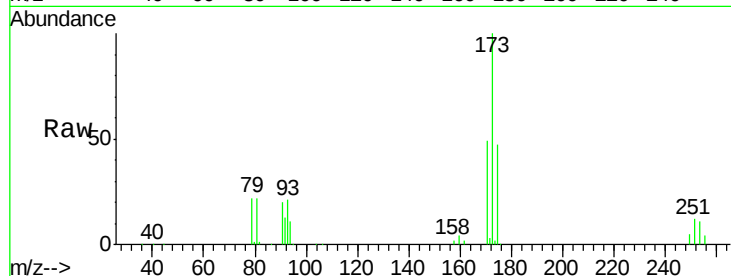




#71
Bromoform
Concen: 50.296 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

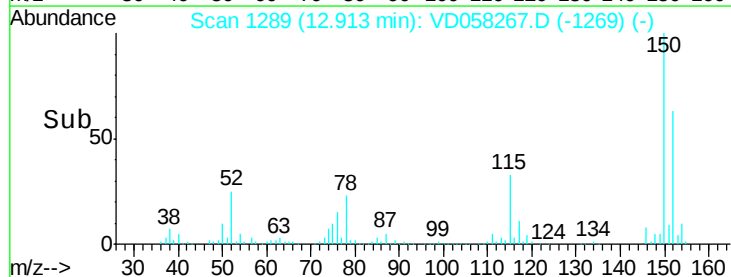
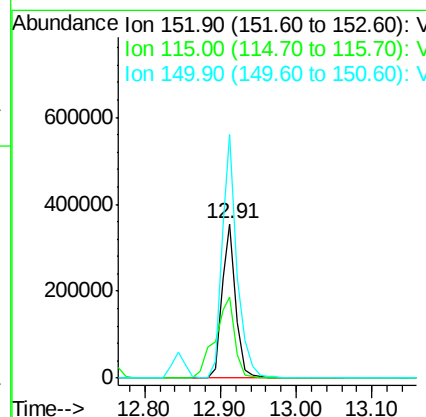
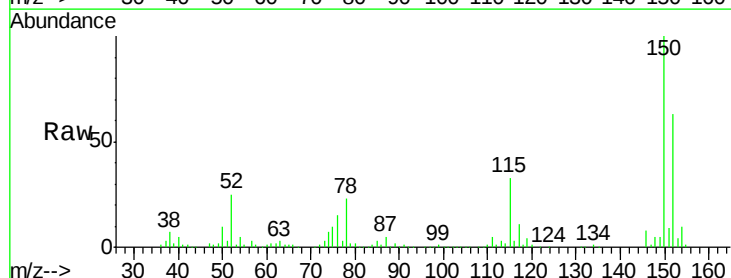
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

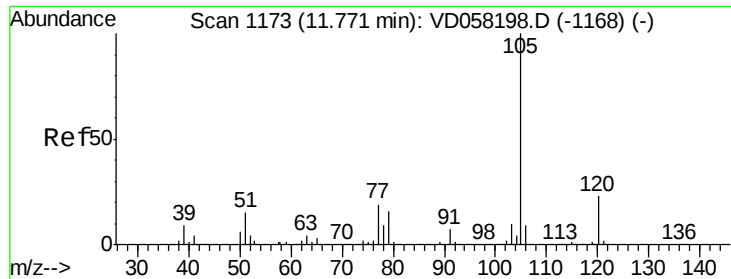
Tot Ion:173 Resp: 257707
Ion Ratio Lower Upper
173 100
175 46.8 24.6 74.0
254 10.7 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion:152 Resp: 456470
Ion Ratio Lower Upper
152 100
115 52.3 25.1 75.3
150 158.0 0.0 308.8





#73

Isopropylbenzene

Concen: 51.158 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

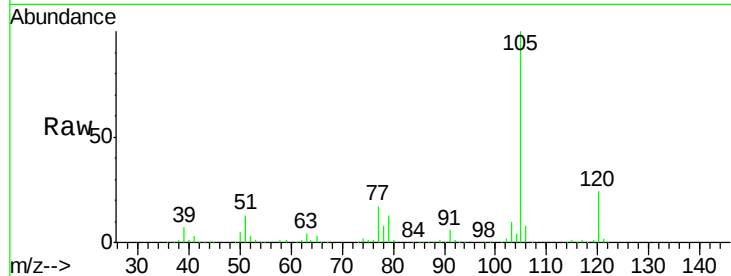
VSTDCCC050EC

Tot Ion:105 Resp: 1396787

Ion Ratio Lower Upper

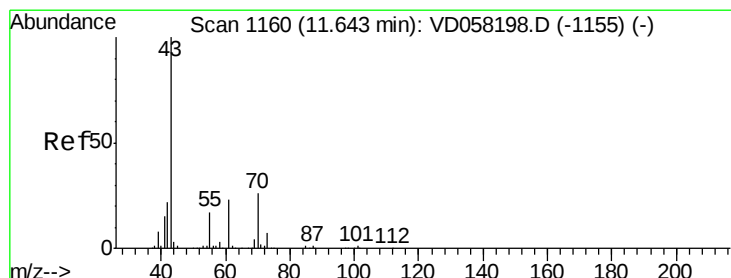
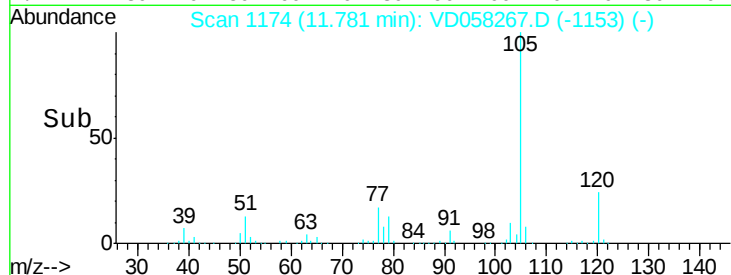
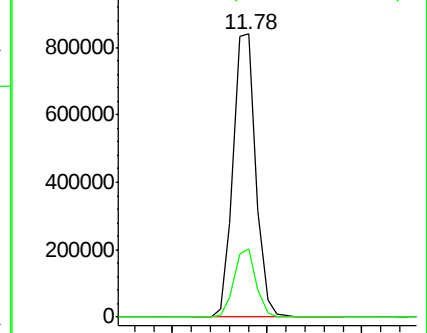
105 100

120 24.0 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.797 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Tgt Ion: 43 Resp: 536268

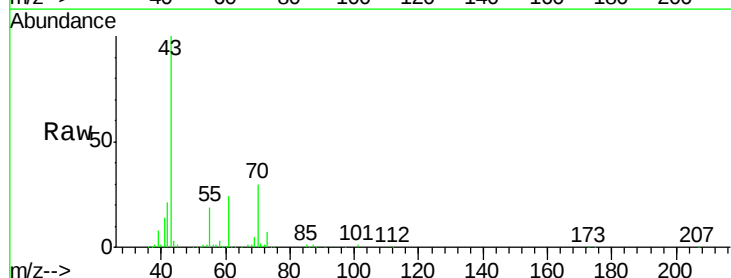
Ion Ratio Lower Upper

43 100

70 29.6 20.9 31.3

55 19.3 13.5 20.3

61 24.0 18.2 27.2

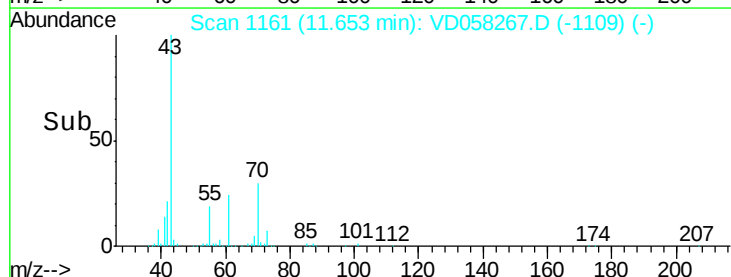
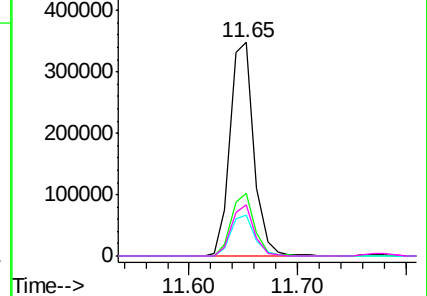


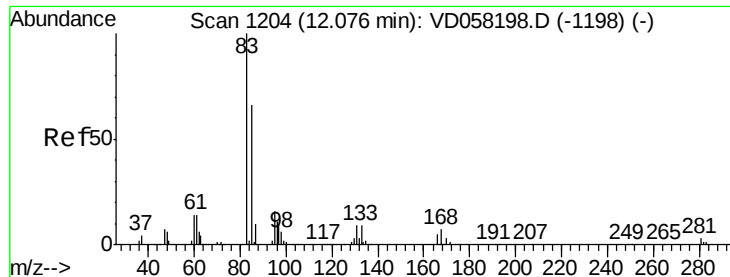
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.455 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

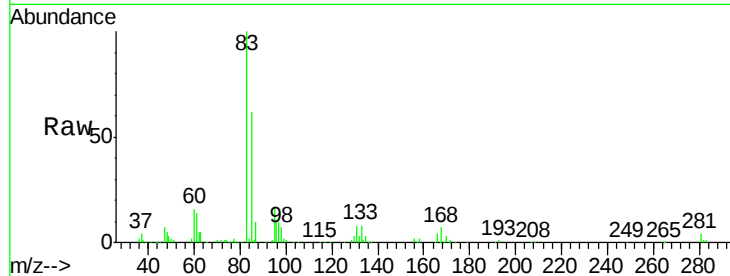
Tot Ion: 83 Resp: 320588

Ion Ratio Lower Upper

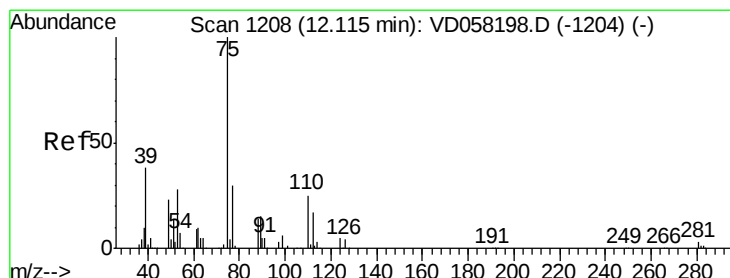
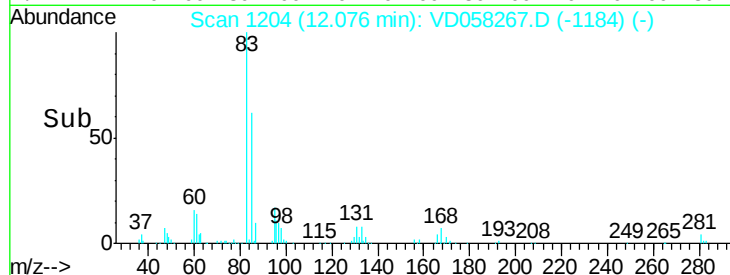
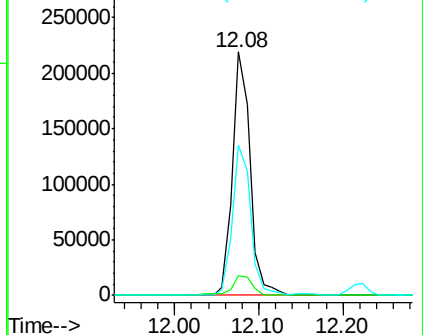
83 100

131 7.8 4.8 14.3

85 61.8 33.1 99.5



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



#76

1,2,3-Trichloropropane

Concen: 49.443 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058267.D

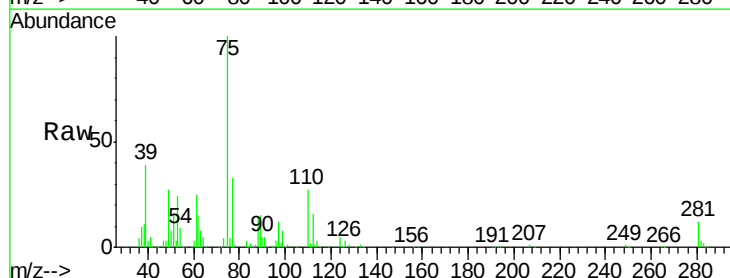
Acq: 21 Jun 2018 22:12

Tgt Ion: 75 Resp: 329517

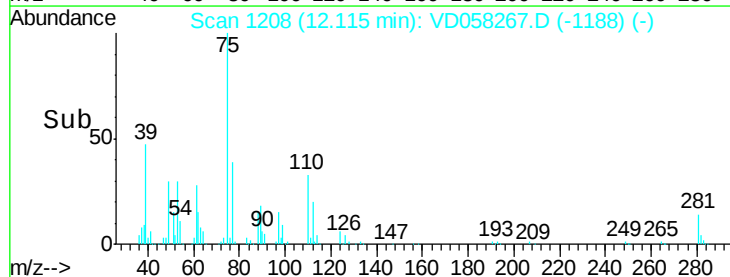
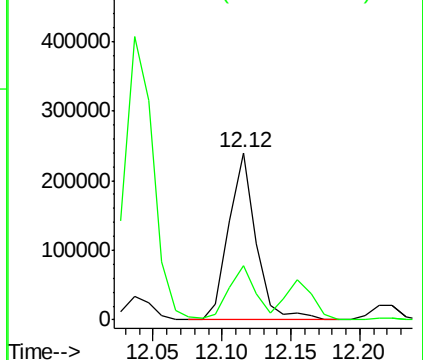
Ion Ratio Lower Upper

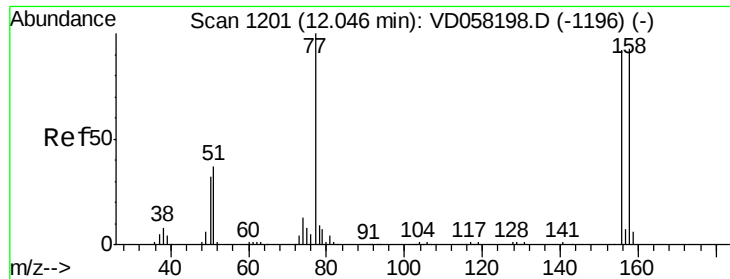
75 100

77 32.6 16.0 47.9



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

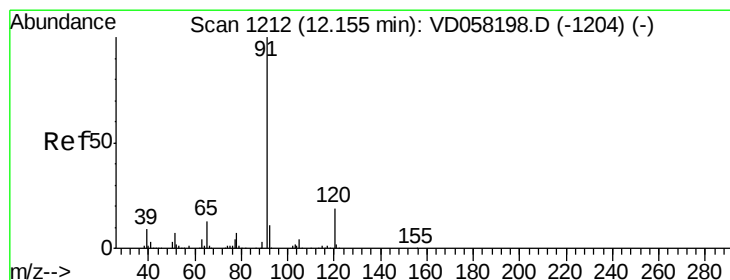
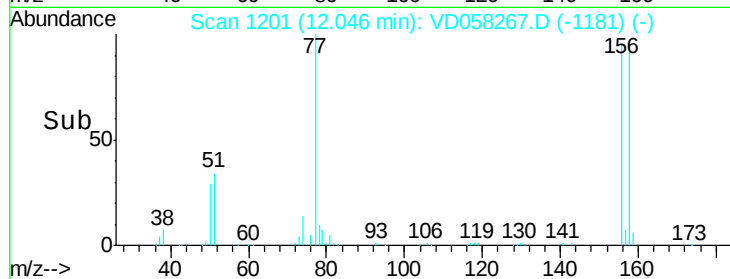
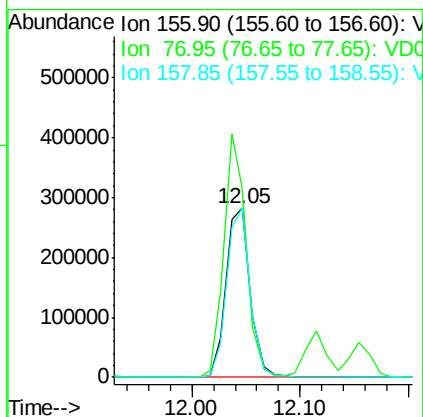
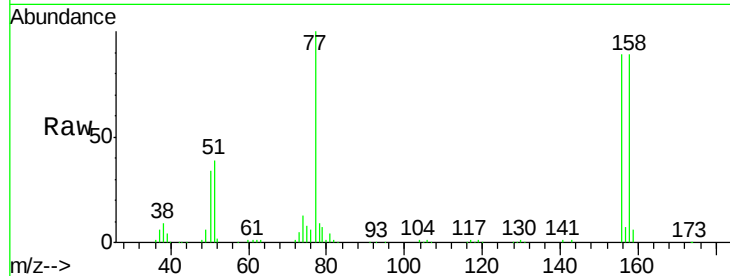




#77
Bromobenzene
Concen: 53.635 ug/l
RT: 12.05 min Scan# 1201
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

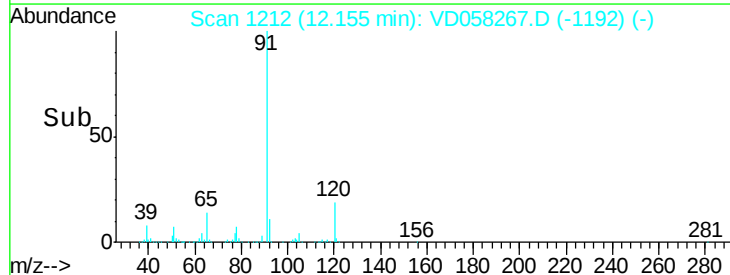
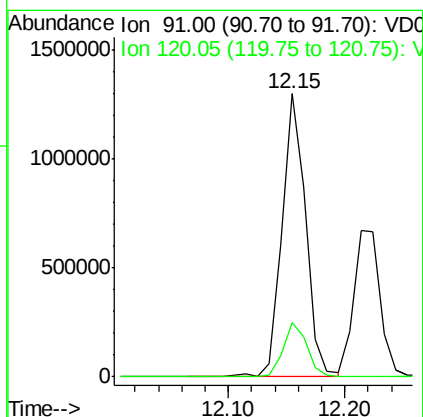
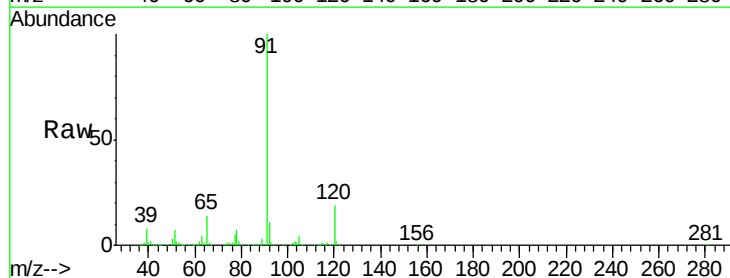
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

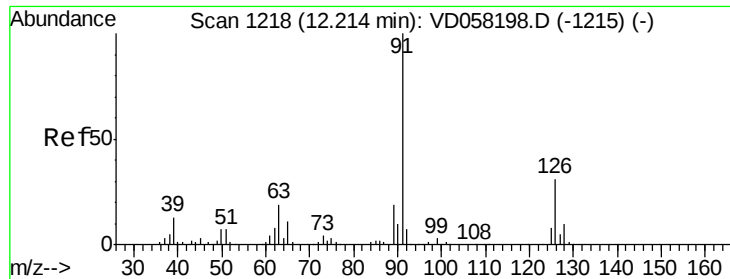
Tot Ion:156 Resp: 438519
Ion Ratio Lower Upper
156 100
77 111.7 54.5 163.6
158 99.9 50.8 152.5



#78
n-propylbenzene
Concen: 51.575 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 91 Resp: 1818515
Ion Ratio Lower Upper
91 100
120 19.3 9.7 29.1





#79

2-Chlorotoluene

Concen: 51.661 ug/l

RT: 12.21 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

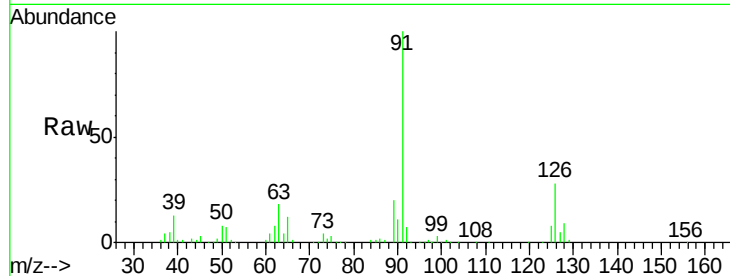
VSTDCCC050EC

Tot Ion: 91 Resp: 1042360

Ion Ratio Lower Upper

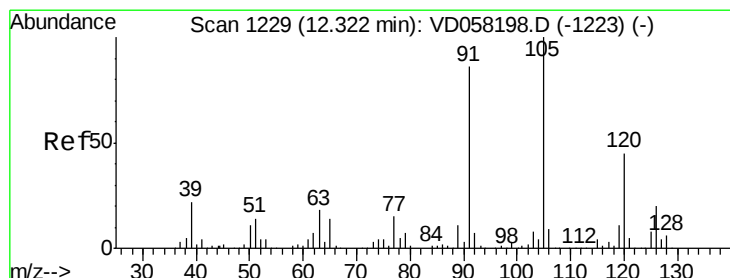
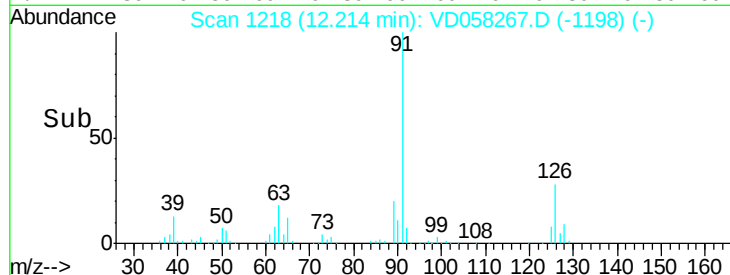
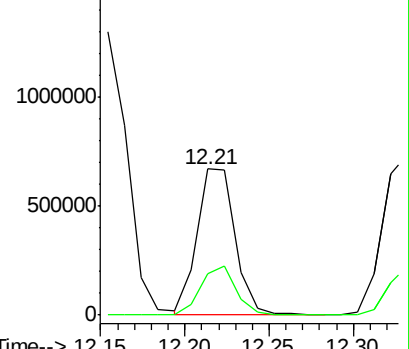
91 100

126 28.2 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 51.424 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VD058267.D

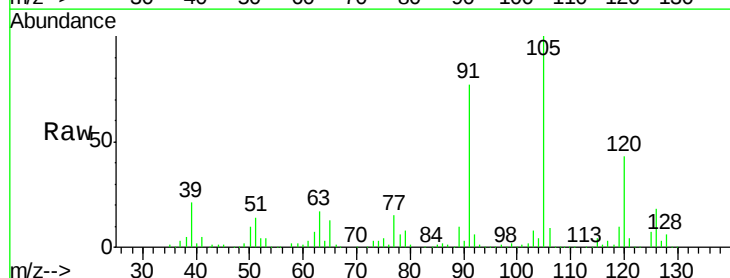
Acq: 21 Jun 2018 22:12

Tgt Ion:105 Resp: 1095123

Ion Ratio Lower Upper

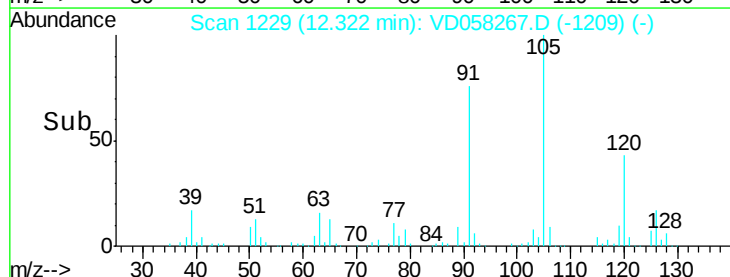
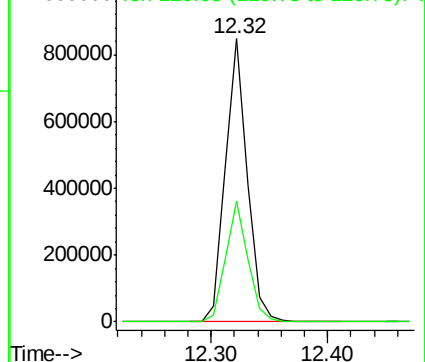
105 100

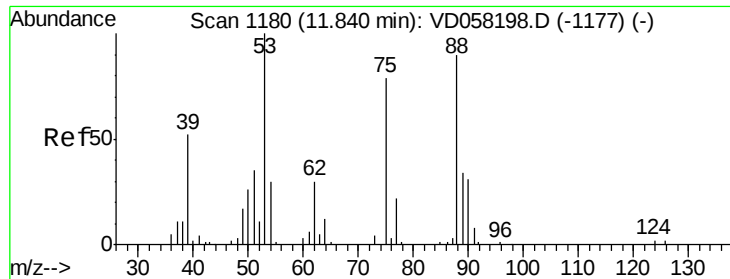
120 42.5 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.525 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058267.D

Acq: 21 Jun 2018 22:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

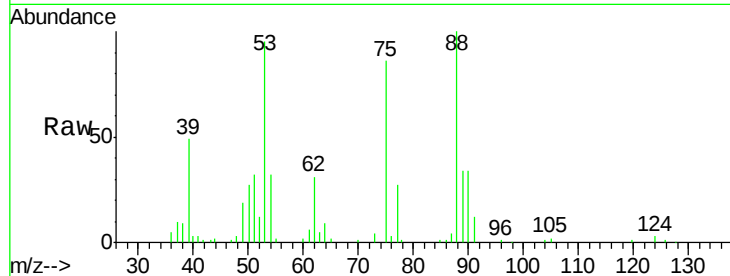
Tot Ion: 75 Resp: 80500

Ion Ratio Lower Upper

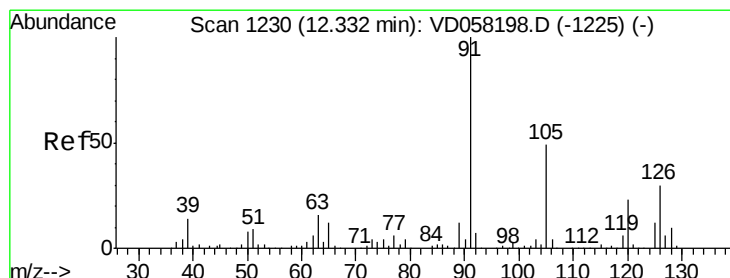
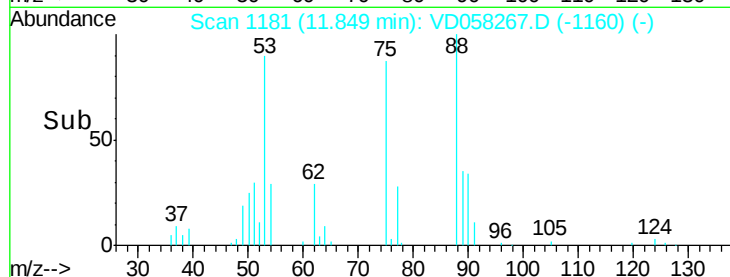
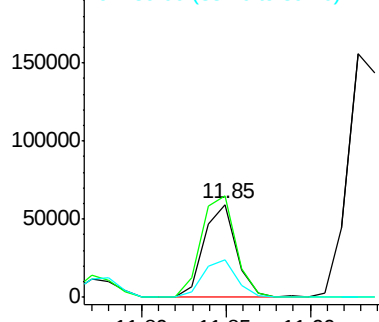
75 100

53 109.4 100.8 151.2

89 39.8 34.6 52.0



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: 57.541 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058267.D

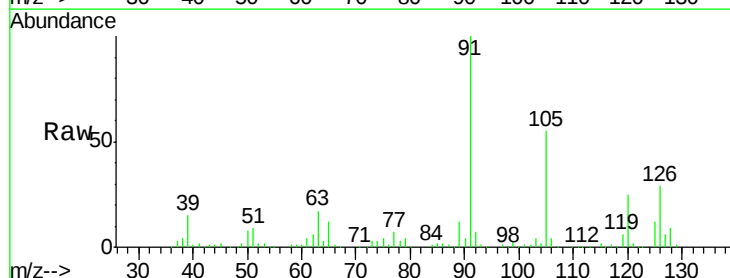
Acq: 21 Jun 2018 22:12

Tgt Ion: 91 Resp: 1115334

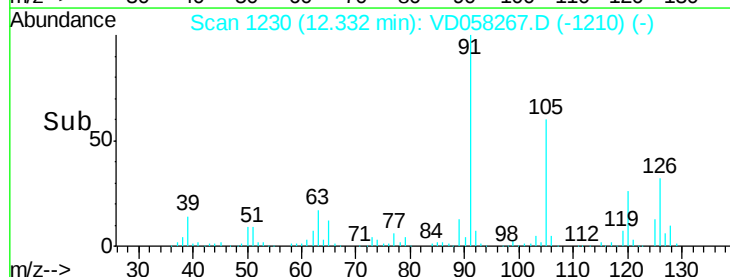
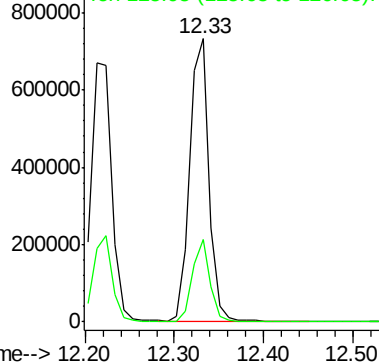
Ion Ratio Lower Upper

91 100

126 29.3 14.9 44.9



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



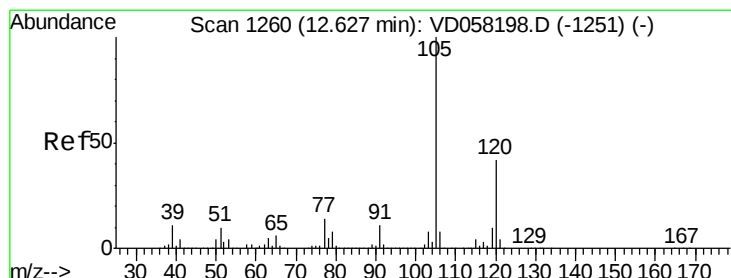
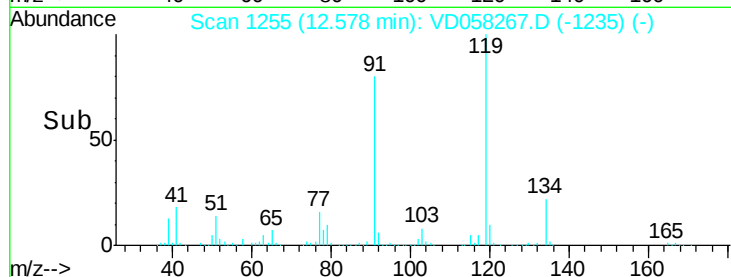
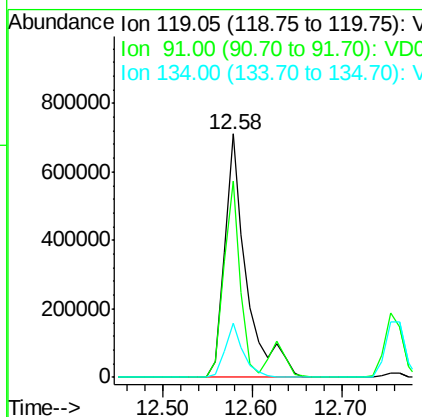
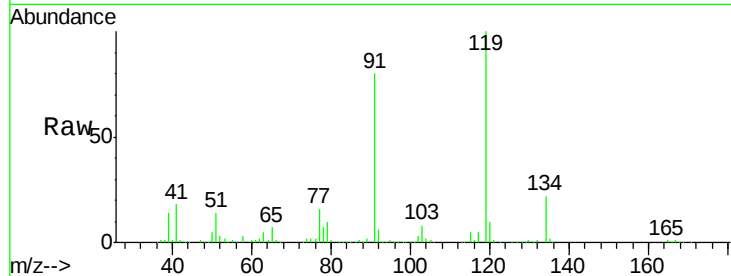


#83
 tert-Butylbenzene
 Concen: 49.883 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 1221327

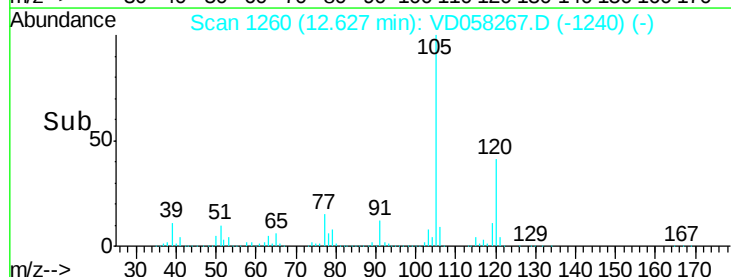
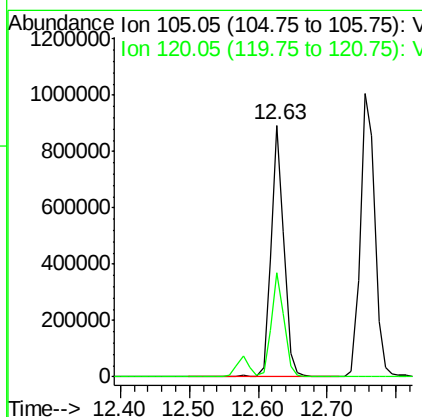
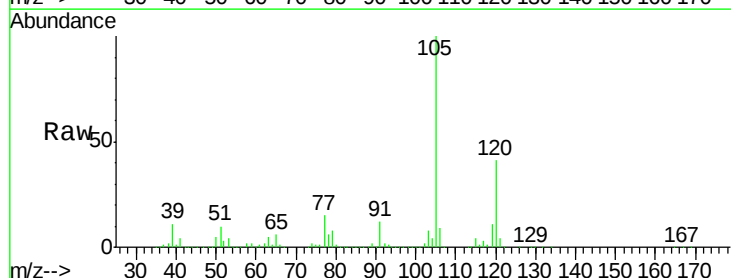
Ion	Ratio	Lower	Upper
119	100		
91	80.5	38.9	116.6
134	22.1	11.2	33.5

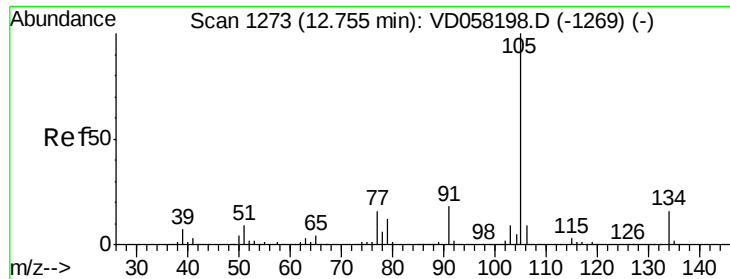


#84
 1,2,4-Trimethylbenzene
 Concen: 50.779 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:105 Resp: 1175485

Ion	Ratio	Lower	Upper
105	100		
120	41.5	20.8	62.4

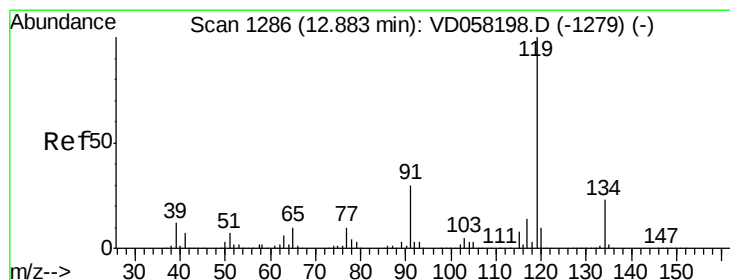
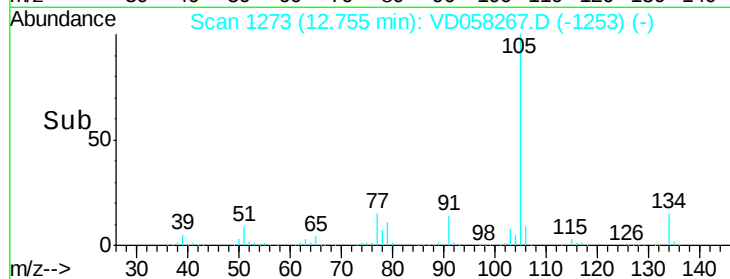
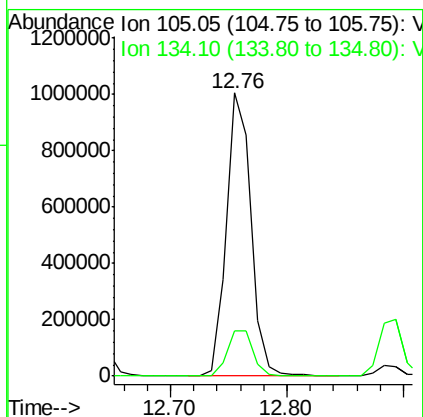
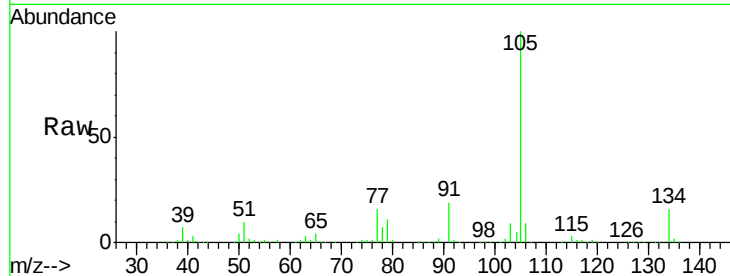




#85
 sec-Butylbenzene
 Concen: 50.759 ug/l
 RT: 12.76 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

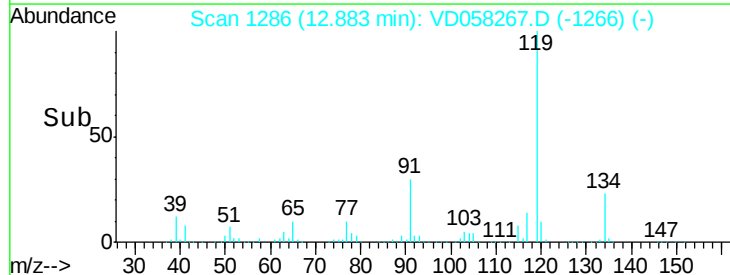
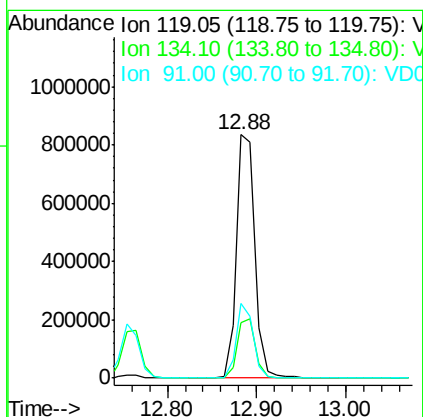
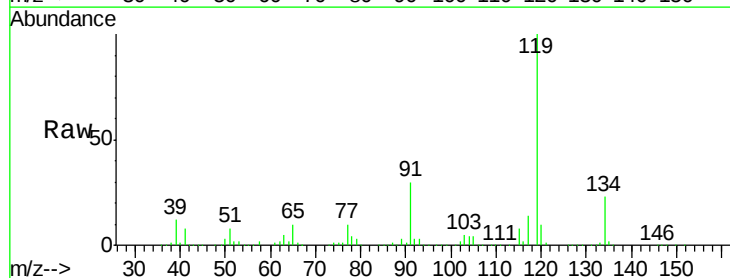
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

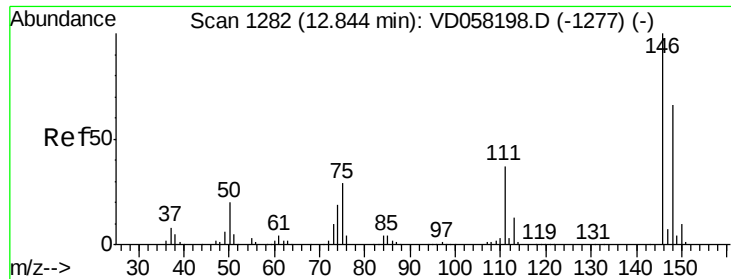
Tot Ion:105 Resp: 1456719
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.1 24.3



#86
 p-Isopropyltoluene
 Concen: 52.159 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:119 Resp: 1213031
 Ion Ratio Lower Upper
 119 100
 134 22.7 11.6 34.8
 91 30.5 15.0 45.1

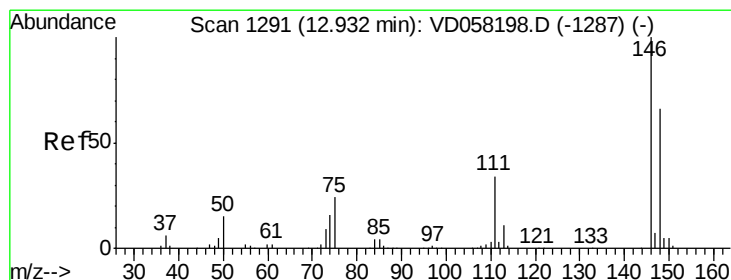
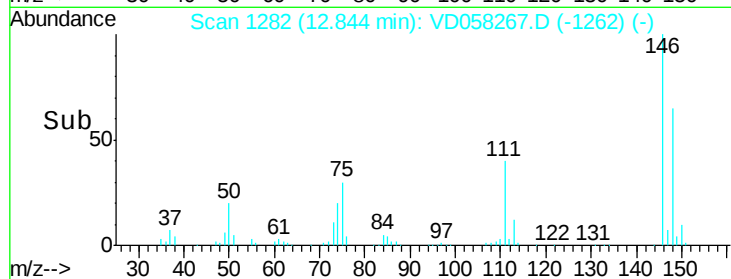
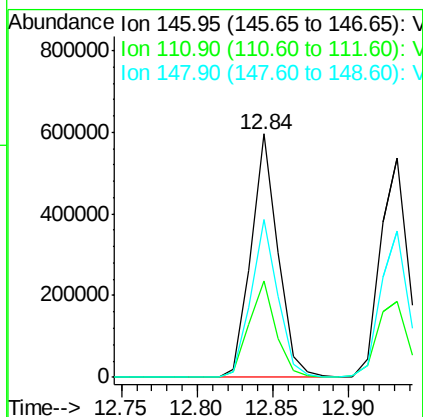
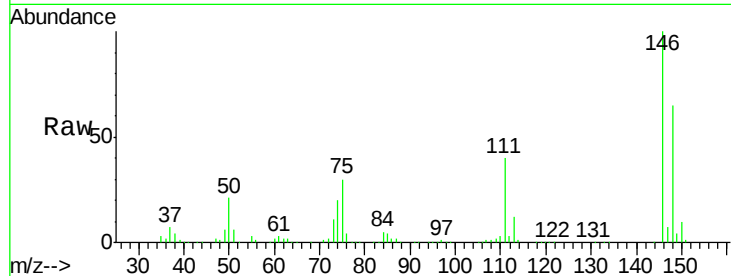




#87
 1,3-Dichlorobenzene
 Concen: 52.057 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

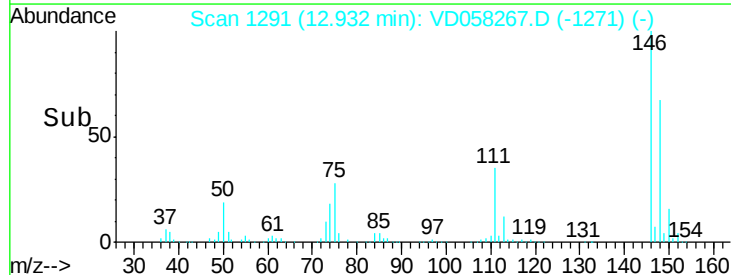
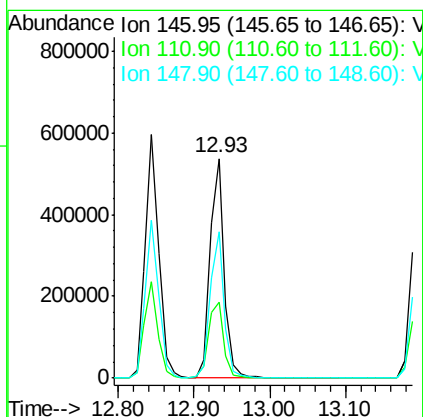
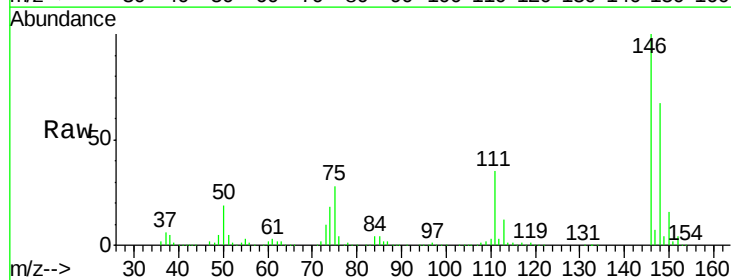
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

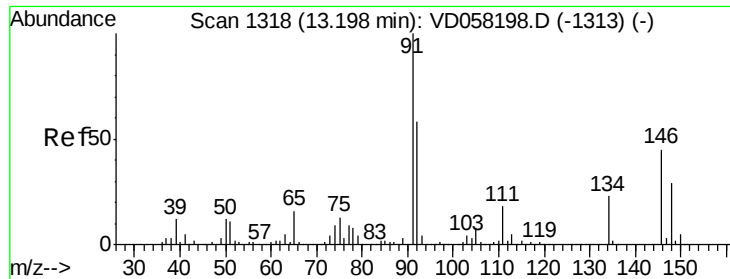
Tot Ion:146 Resp: 739764
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.4 55.0
 148 65.0 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 50.793 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:146 Resp: 704851
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.2 51.5
 148 66.5 33.1 99.3

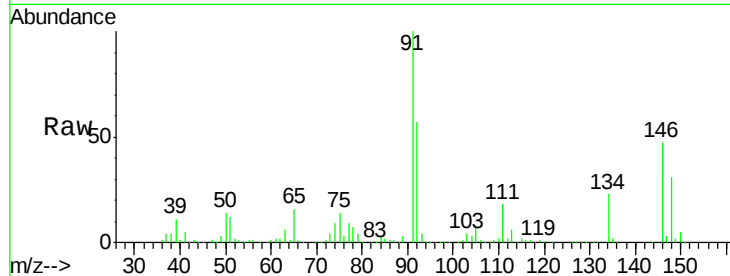




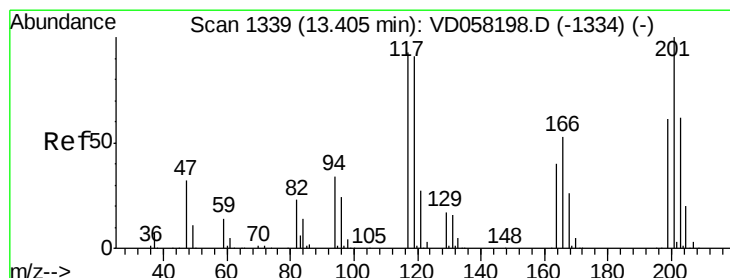
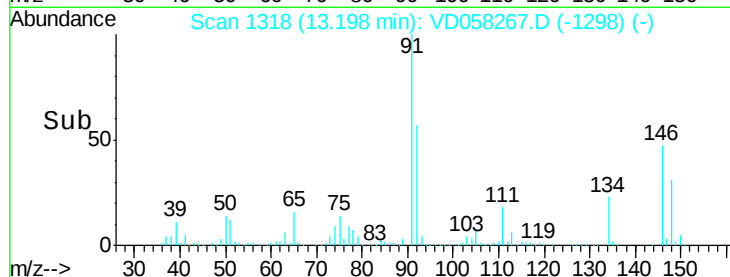
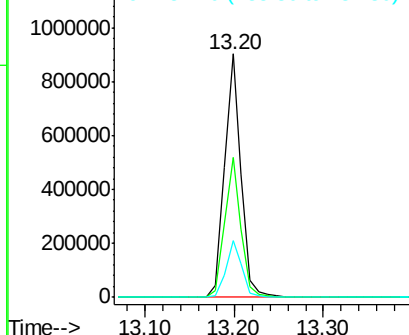
#89
n-Butylbenzene
Concen: 48.261 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1179600
Ion Ratio Lower Upper
91 100
92 57.3 29.2 87.6
134 23.1 11.3 33.8

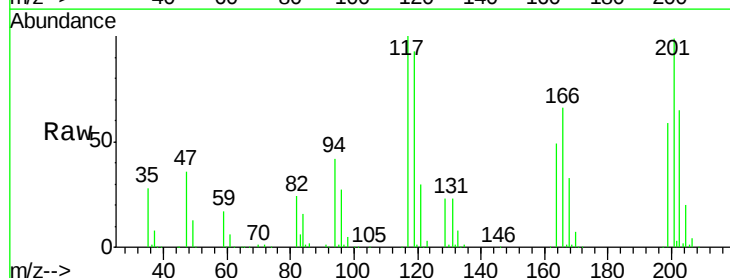


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

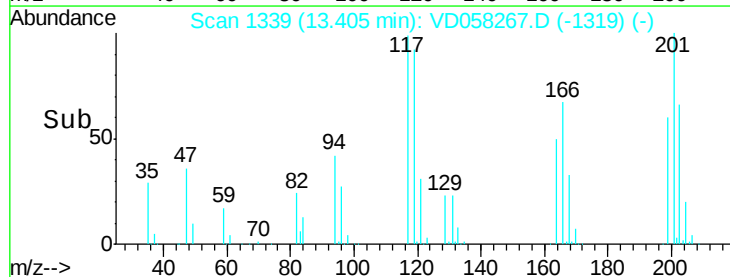
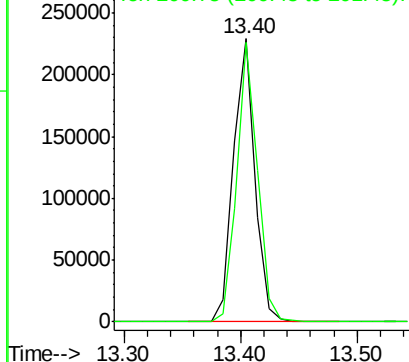


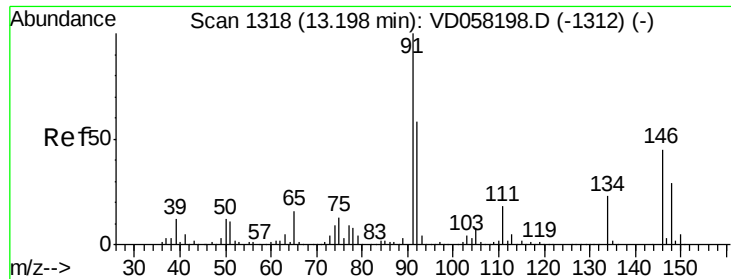
#90
Hexachloroethane
Concen: 48.111 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion: 117 Resp: 290413
Ion Ratio Lower Upper
117 100
201 98.7 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

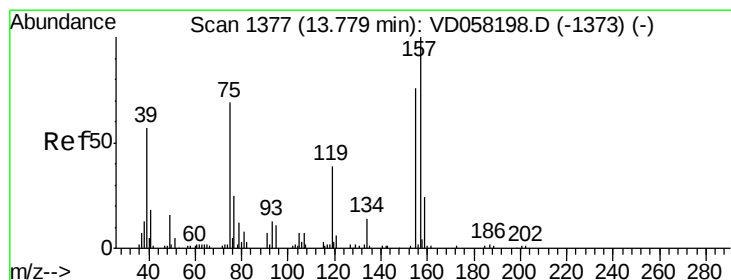
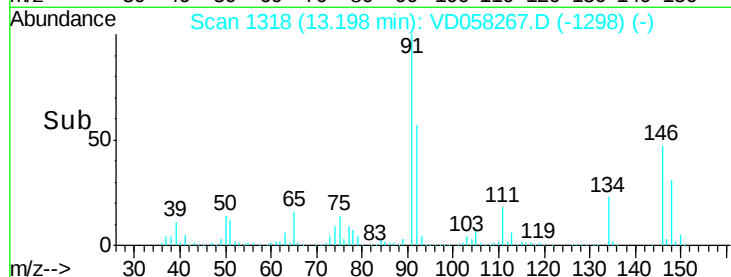
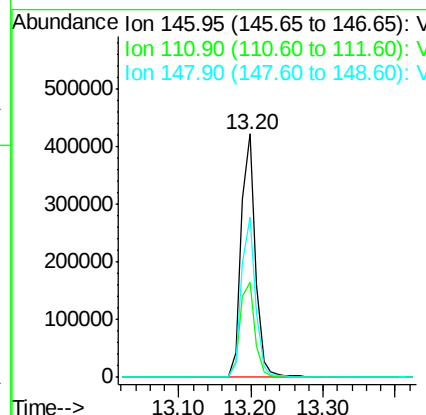
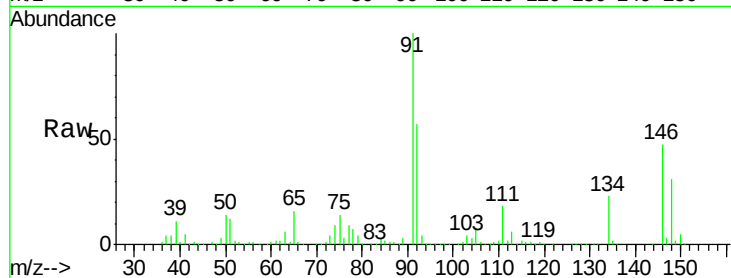




#91
 1,2-Dichlorobenzene
 Concen: 48.519 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

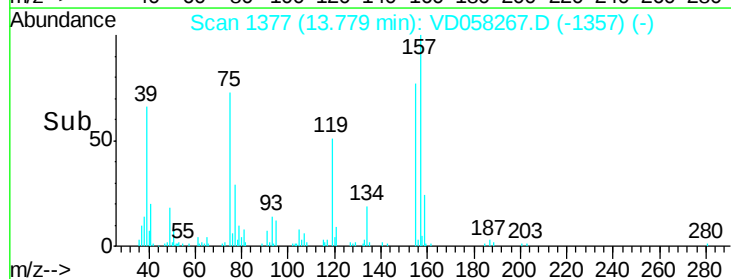
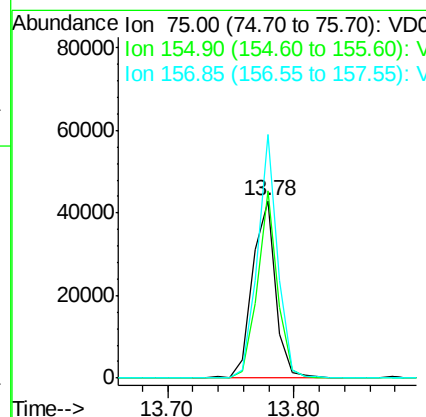
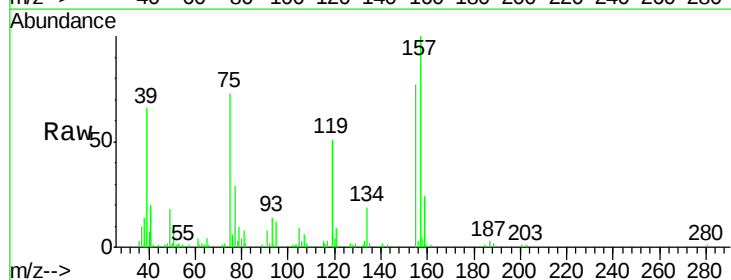
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 586748
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.6 58.7
 148 66.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.900 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion: 75 Resp: 54504
 Ion Ratio Lower Upper
 75 100
 155 105.4 54.5 163.5
 157 137.2 72.0 215.9

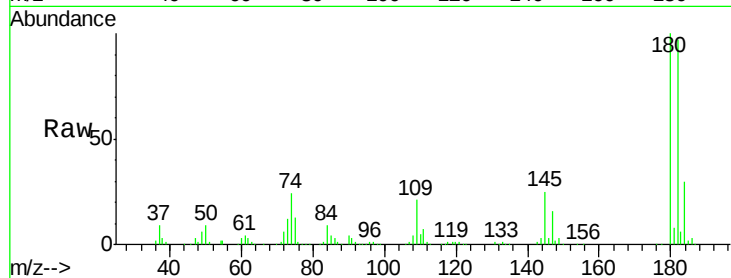




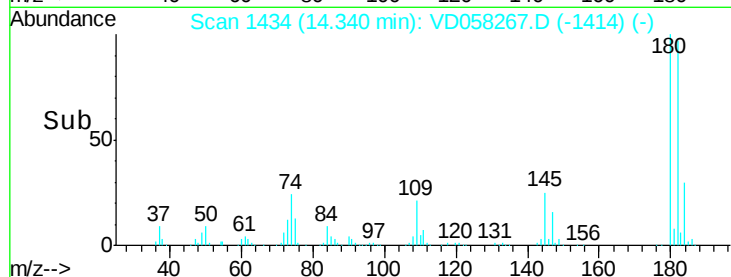
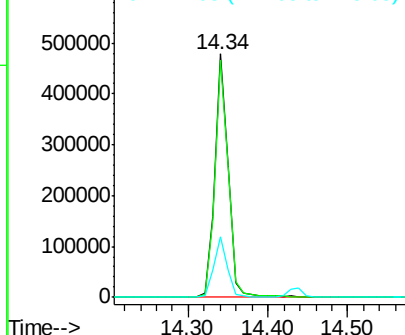
#93
 1,2,4-Trichlorobenzene
 Concen: 49.607 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 573769
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.1 141.3
 145 24.9 11.7 35.0

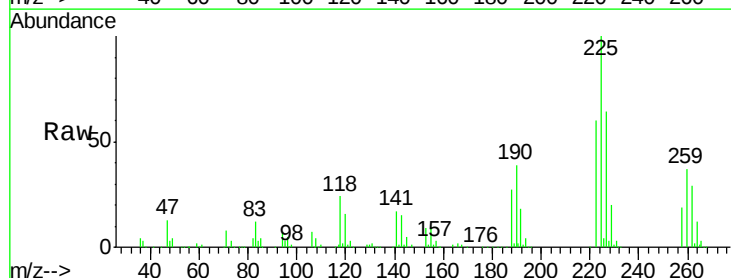


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

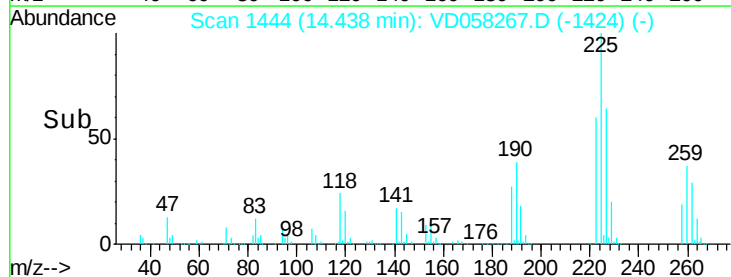
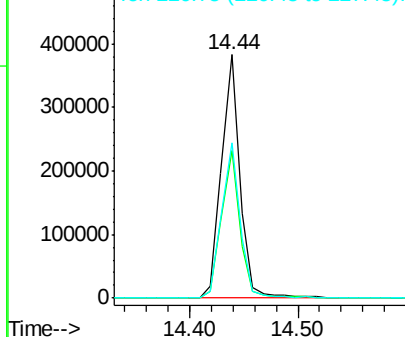


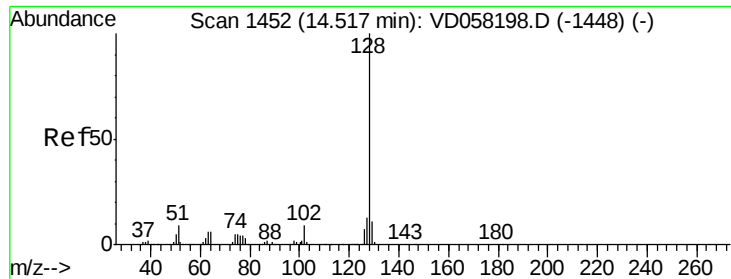
#94
 Hexachlorobutadiene
 Concen: 50.472 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058267.D
 Acq: 21 Jun 2018 22:12

Tgt Ion:225 Resp: 456596
 Ion Ratio Lower Upper
 225 100
 223 60.4 30.1 90.3
 227 63.7 33.0 98.9



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

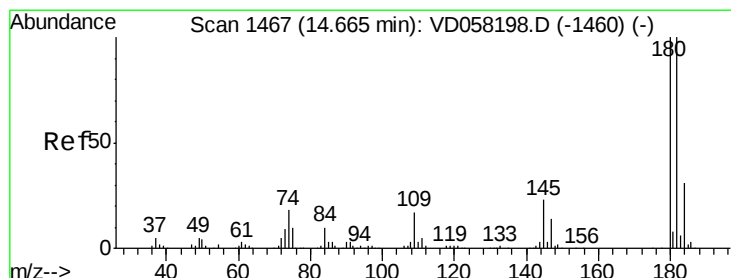
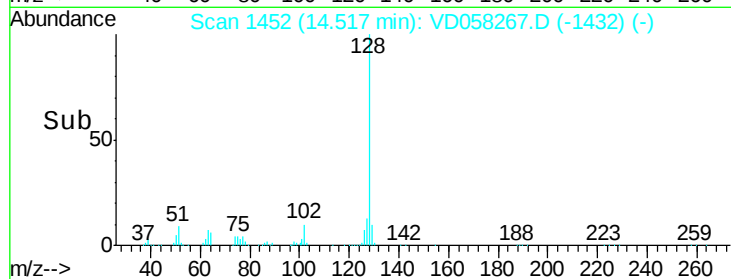
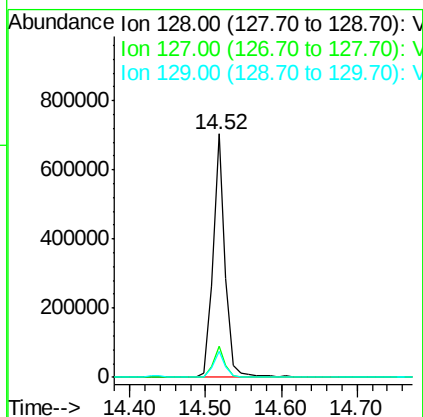
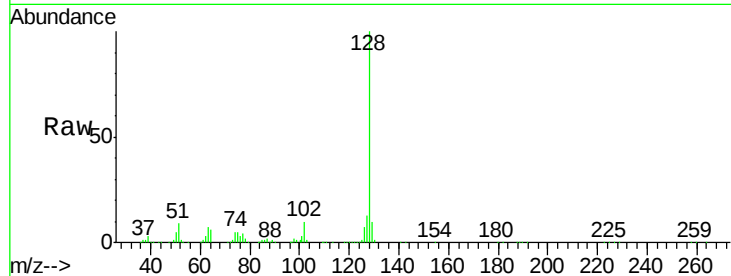




#95
Naphthalene
Concen: 52.480 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 799558
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 10.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.316 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD058267.D
Acq: 21 Jun 2018 22:12

Tgt Ion:180 Resp: 509474
Ion Ratio Lower Upper
180 100
182 98.6 49.9 149.6
145 25.2 11.7 35.1

