

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
 Data File : VD061711.D
 Acq On : 10 Apr 2019 14:22
 Operator : VA/AP
 Sample : VD0410SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

Quant Time: Apr 11 01:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	694651	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1172028	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	977777	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	446905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.48	65	259334	49.25	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	6.95	113	405823	49.98	ug/l	0.03
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.43	98	921968	45.20	ug/l	0.03
Spiked Amount	50.000		Recovery	=	90.40%	
62) 4-Bromofluorobenzene	13.56	95	362024	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	141660	18.903	ug/l	96
3) Chloromethane	1.78	50	119691	19.764	ug/l	98
4) Vinyl Chloride	1.87	62	110523	19.531	ug/l	98
5) Bromomethane	2.17	94	21419	16.353	ug/l	93
6) Chloroethane	2.28	64	25444	14.355	ug/l	94
7) Trichlorofluoromethane	2.55	101	177786	20.808	ug/l	95
8) Diethyl Ether	2.89	74	45236	18.865	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.17	101	165899	19.749	ug/l	97
10) Methyl Iodide	3.32	142	204302	18.771	ug/l	98
11) Tert butyl alcohol	4.09	59	39052	110.666	ug/l #	94
12) 1,1-Dichloroethene	3.15	96	141851	19.588	ug/l	95
13) Acrolein	3.06	56	35204	81.824	ug/l	99
14) Allyl chloride	3.65	41	201752	20.427	ug/l	97
15) Acrylonitrile	4.22	53	125157	103.032	ug/l	99
16) Acetone	3.24	43	150151	95.394	ug/l	100
17) Carbon Disulfide	3.40	76	426617	18.131	ug/l	100
18) Methyl Acetate	3.67	43	67580	22.820	ug/l	96
19) Methyl tert-butyl Ether	4.26	73	263302	20.999	ug/l	98
20) Methylene Chloride	3.84	84	178541	19.989	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	152499	19.389	ug/l	99
22) Diisopropyl ether	5.14	45	408385	19.721	ug/l	94
23) Vinyl Acetate	5.09	43	1120697	98.080	ug/l	99
24) 1,1-Dichloroethane	5.02	63	238670	18.808	ug/l	99
25) 2-Butanone	6.10	43	186073	102.544	ug/l	95
26) 2,2-Dichloropropane	6.05	77	209922	20.316	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	172293	20.534	ug/l	98
28) Bromochloromethane	6.46	49	90200	19.269	ug/l	94
29) Tetrahydrofuran	6.48	42	96586	110.264	ug/l	99
30) Chloroform	6.69	83	271979	20.459	ug/l	99
31) Cyclohexane	6.99	56	186987	18.862	ug/l	95
32) 1,1,1-Trichloroethane	6.90	97	240130	20.613	ug/l	99
36) 1,1-Dichloropropene	7.17	75	202000	19.693	ug/l	99
37) Ethyl Acetate	6.21	43	89458	21.412	ug/l	99
38) Carbon Tetrachloride	7.13	117	235099	19.556	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
 Data File : VD061711.D
 Acq On : 10 Apr 2019 14:22
 Operator : VA/AP
 Sample : VD0410SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0410SBS01

Quant Time: Apr 11 01:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	218776	20.775	ug/l	97
40) Benzene	7.48	78	470293	19.005	ug/l	99
41) Methacrylonitrile	6.47	41	112329	23.031	ug/l #	94
42) 1,2-Dichloroethane	7.61	62	160550	20.630	ug/l	97
43) Isopropyl Acetate	9.26	43	125887	20.761	ug/l #	99
44) Trichloroethene	8.56	130	194470	20.499	ug/l	98
45) 1,2-Dichloropropane	8.96	63	119553	19.481	ug/l	92
46) Dibromomethane	9.08	93	88290	20.130	ug/l	92
47) Bromodichloromethane	9.40	83	198091	20.564	ug/l	99
48) Methyl methacrylate	9.14	41	70532	20.180	ug/l	95
49) 1,4-Dioxane	9.10	88	15635	405.265	ug/l #	78
51) 4-Methyl-2-Pentanone	10.32	43	379908	105.945	ug/l	95
52) Toluene	10.53	92	303178	19.620	ug/l	95
53) t-1,3-Dichloropropene	10.93	75	163316	19.341	ug/l	100
54) cis-1,3-Dichloropropene	10.06	75	214548	20.612	ug/l	96
55) 1,1,2-Trichloroethane	11.21	97	99789	19.147	ug/l	95
56) Ethyl methacrylate	11.06	69	109035	19.832	ug/l	98
57) 1,3-Dichloropropane	11.43	76	168288	22.050	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.88	63	295048	113.736	ug/l	99
59) 2-Hexanone	11.55	43	301081	108.187	ug/l	99
60) Dibromochloromethane	11.70	129	177196	21.520	ug/l	99
61) 1,2-Dibromoethane	11.82	107	131097	21.510	ug/l	95
64) Tetrachloroethene	11.28	164	143150	18.861	ug/l	97
65) Chlorobenzene	12.41	112	386882	19.952	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	159609	21.391	ug/l	96
67) Ethyl Benzene	12.54	91	621020	21.032	ug/l	99
68) m/p-Xylenes	12.69	106	459646	40.378	ug/l	99
69) o-Xylene	13.06	106	208607	18.984	ug/l	98
70) Styrene	13.09	104	371101	19.775	ug/l	96
71) Bromoform	13.25	173	95425	20.612	ug/l	97
73) Isopropylbenzene	13.41	105	587591	19.733	ug/l	99
74) N-amyl acetate	13.28	43	165020	20.396	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	120788	19.618	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	119399	19.637	ug/l	99
77) Bromobenzene	13.68	156	168601	19.506	ug/l	86
78) n-propylbenzene	13.79	91	725382	20.364	ug/l	99
79) 2-Chlorotoluene	13.85	91	414101	20.329	ug/l	91
80) 1,3,5-Trimethylbenzene	13.95	105	476093	20.144	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	35014	18.977	ug/l	92
82) 4-Chlorotoluene	13.96	91	442559	19.827	ug/l	93
83) tert-Butylbenzene	14.20	119	537648	18.867	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	476236	19.965	ug/l	99
85) sec-Butylbenzene	14.38	105	621930	20.200	ug/l	97
86) p-Isopropyltoluene	14.50	119	480731	17.999	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	279489	18.789	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	306339	20.410	ug/l	98
89) n-Butylbenzene	14.80	91	470215	20.255	ug/l	98
90) Hexachloroethane	15.02	117	140059	19.326	ug/l	73
91) 1,2-Dichlorobenzene	14.82	146	256041	20.885	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16030	21.575	ug/l	68

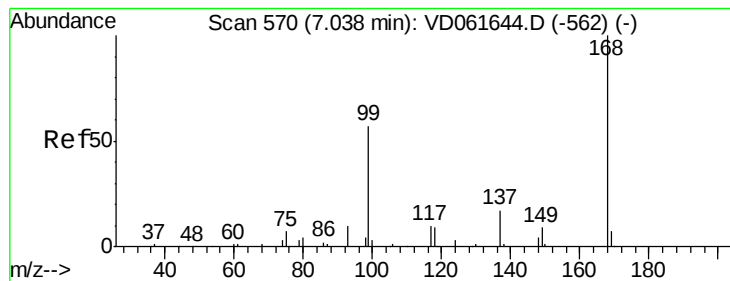
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041019\
Data File : VD061711.D
Acq On : 10 Apr 2019 14:22
Operator : VA/AP
Sample : VD0410SBSD01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD01

Quant Time: Apr 11 01:05:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	125292	20.059	ug/l	98
94) Hexachlorobutadiene	16.04	225	91094	18.887	ug/l	97
95) Naphthalene	16.13	128	202834	20.523	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	60544	19.422	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

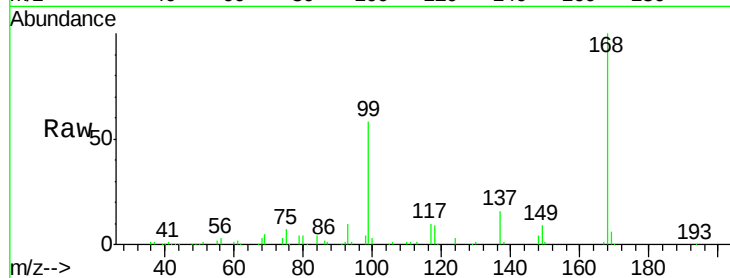
VD0410SBS01

Tgt Ion:168 Resp: 694651

Ion Ratio Lower Upper

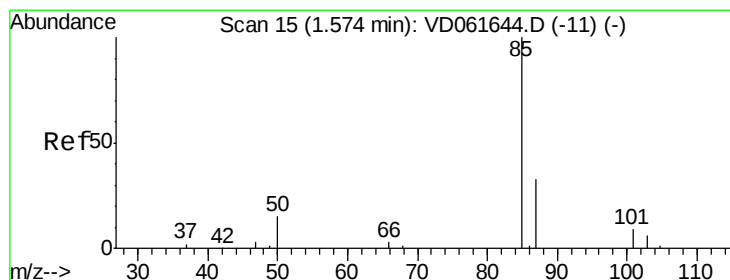
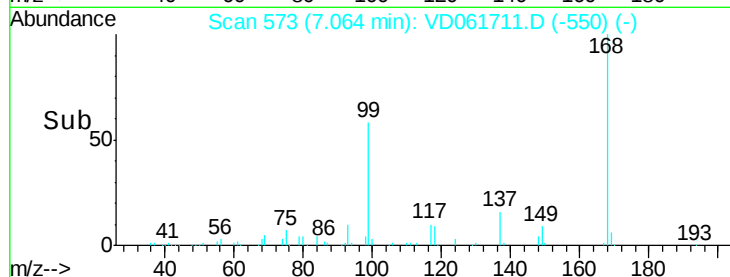
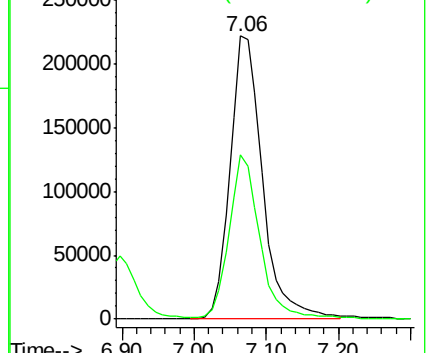
168 100

99 58.2 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.903 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061711.D

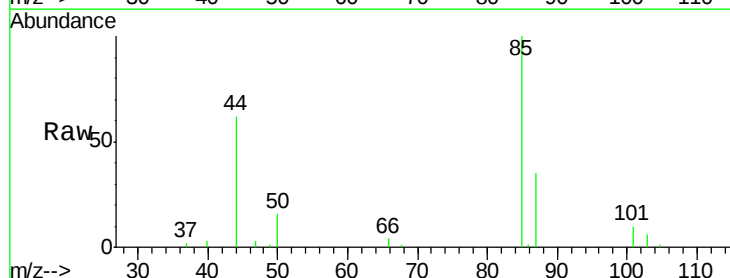
Acq: 10 Apr 2019 14:22

Tgt Ion: 85 Resp: 141660

Ion Ratio Lower Upper

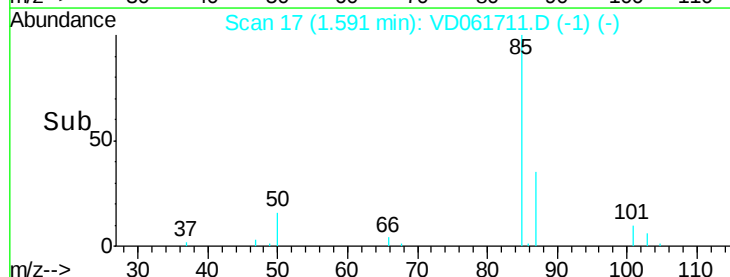
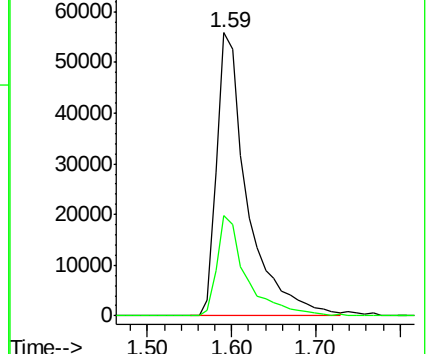
85 100

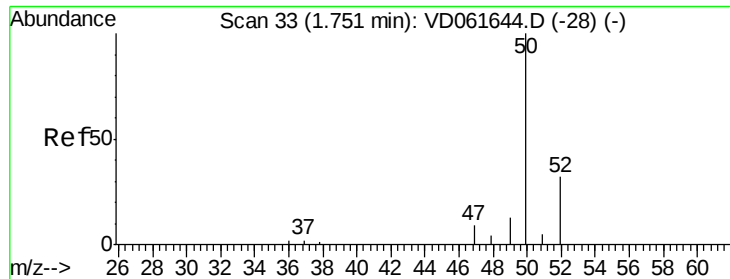
87 35.5 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.764 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

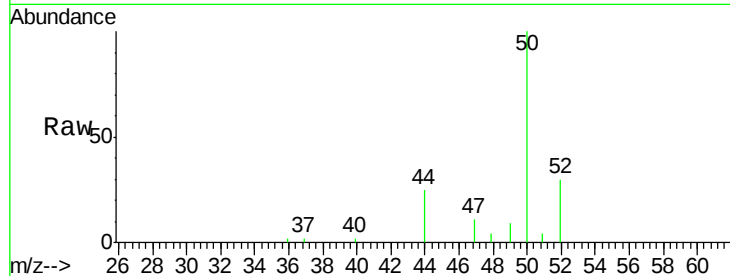
VD0410SBS01

Tgt Ion: 50 Resp: 119691

Ion Ratio Lower Upper

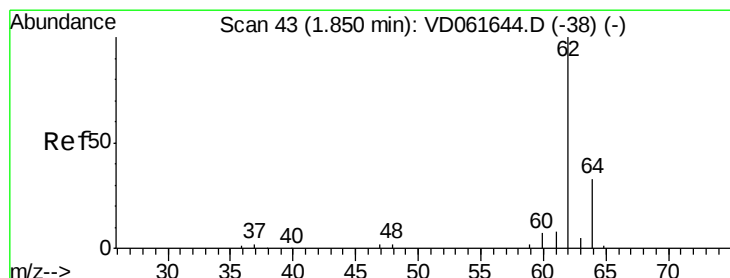
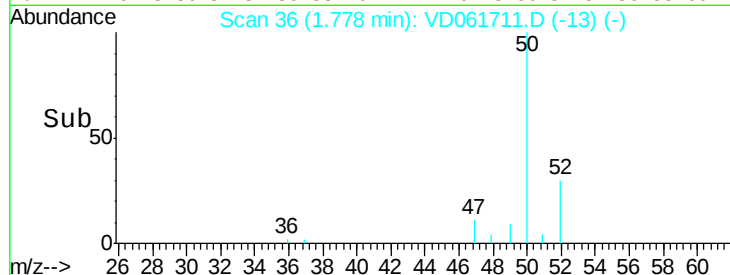
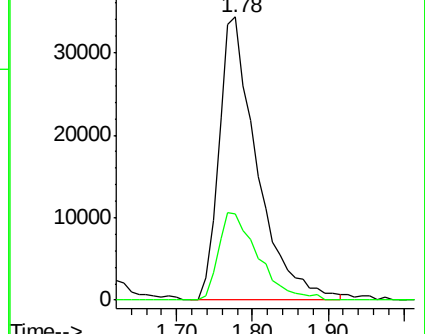
50 100

52 30.4 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.531 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061711.D

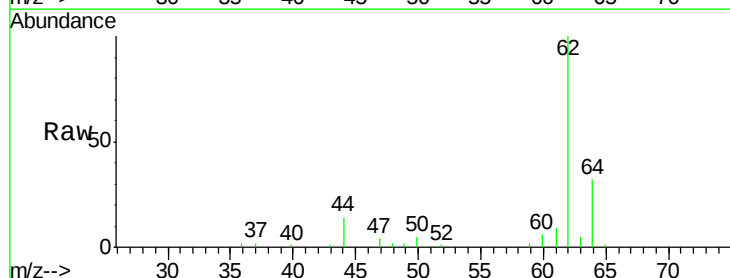
Acq: 10 Apr 2019 14:22

Tgt Ion: 62 Resp: 110523

Ion Ratio Lower Upper

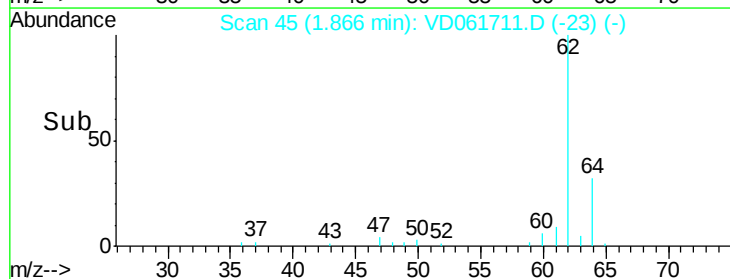
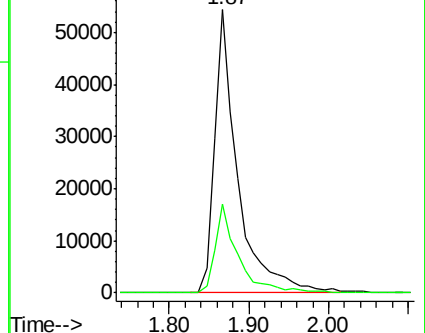
62 100

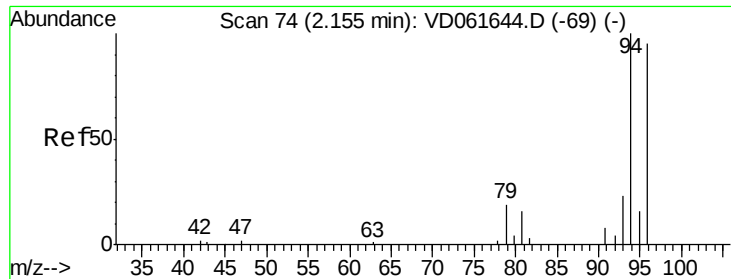
64 31.6 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.353 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBSD01

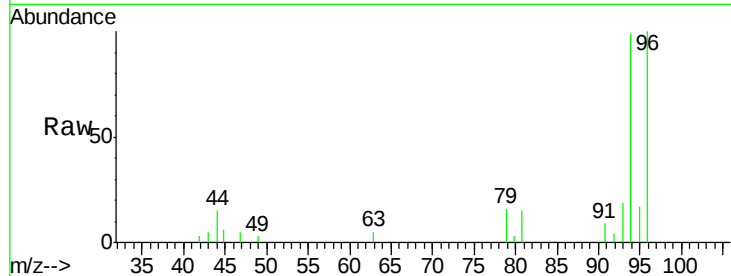
Tgt Ion: 94 Resp: 21419

Ion Ratio Lower Upper

94 100

96 101.5 75.8 113.8

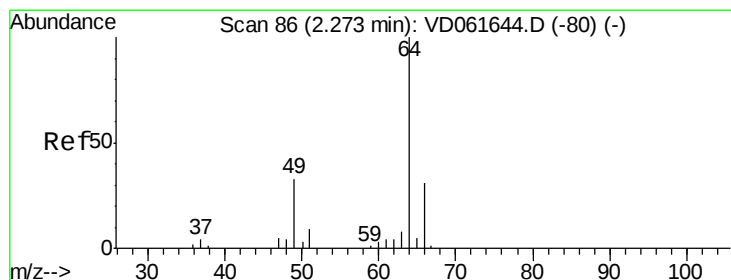
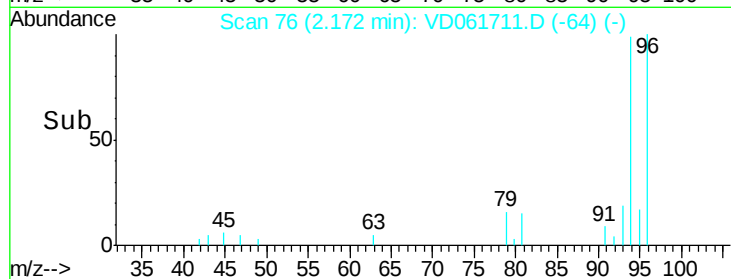
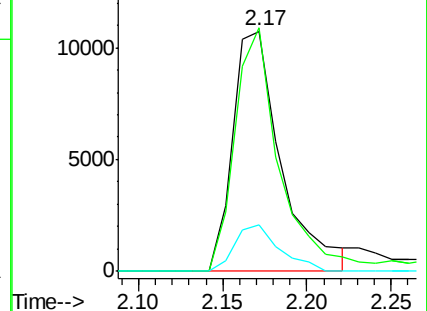
93 19.3 18.6 28.0



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 14.355 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD061711.D

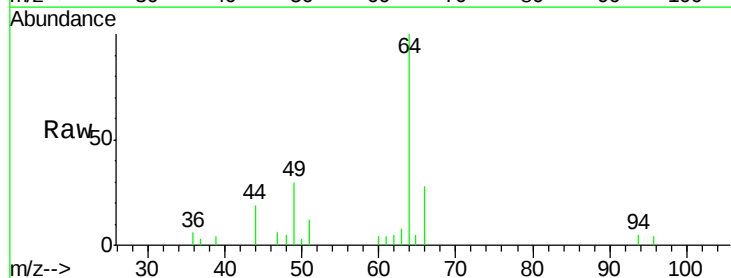
Acq: 10 Apr 2019 14:22

Tgt Ion: 64 Resp: 25444

Ion Ratio Lower Upper

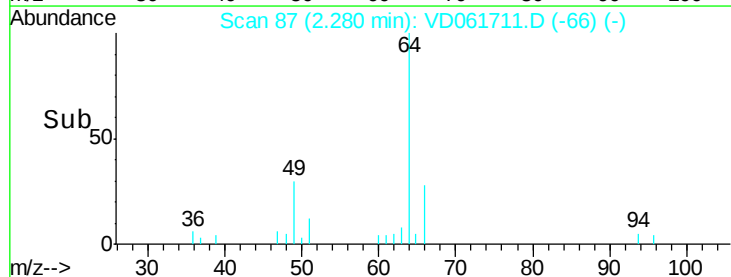
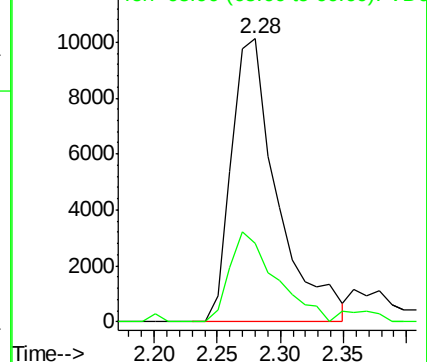
64 100

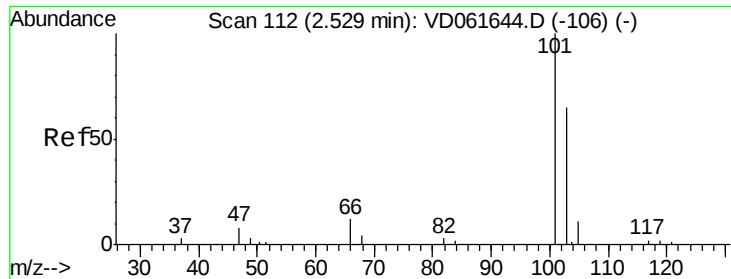
66 27.7 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



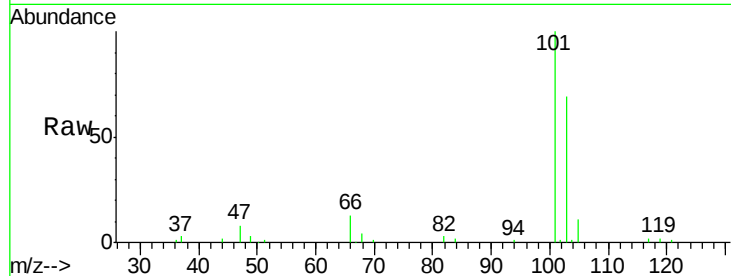


#7

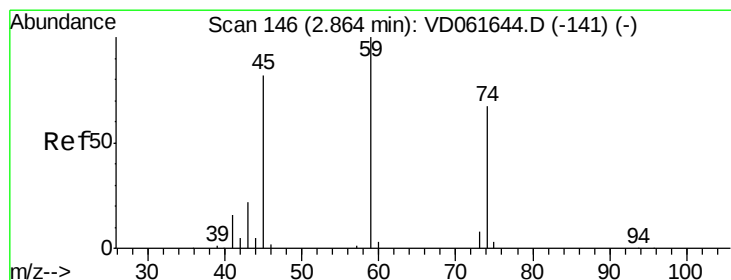
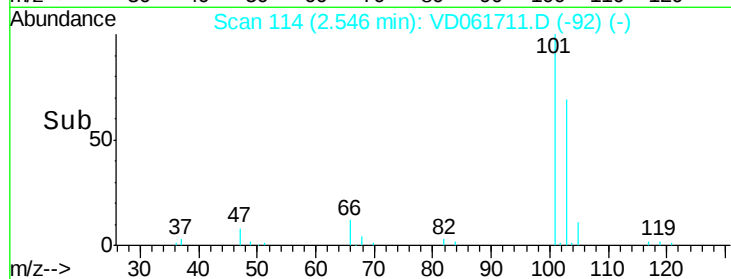
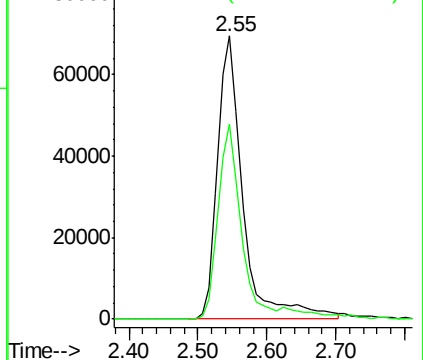
Trichlorofluoromethane
 Concen: 20.808 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

Tgt Ion: 101 Resp: 177786
 Ion Ratio Lower Upper
 101 100
 103 68.8 52.0 78.0



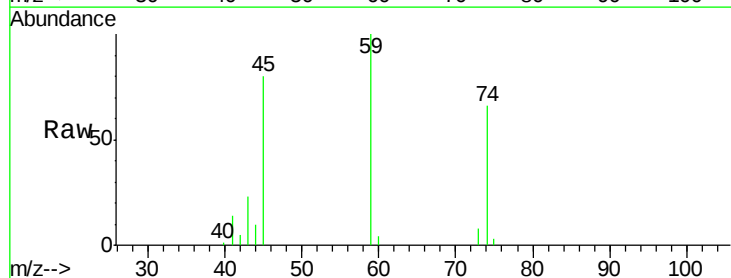
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



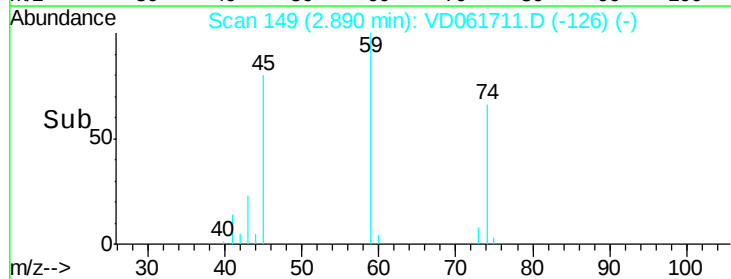
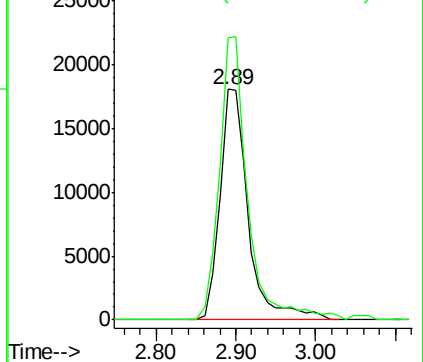
#8

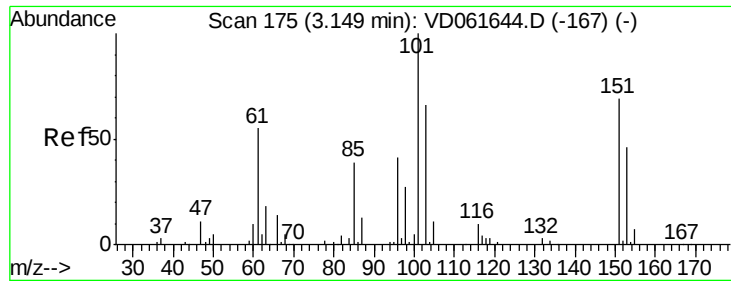
Diethyl Ether
 Concen: 18.865 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 74 Resp: 45236
 Ion Ratio Lower Upper
 74 100
 45 122.4 61.0 183.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.749 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

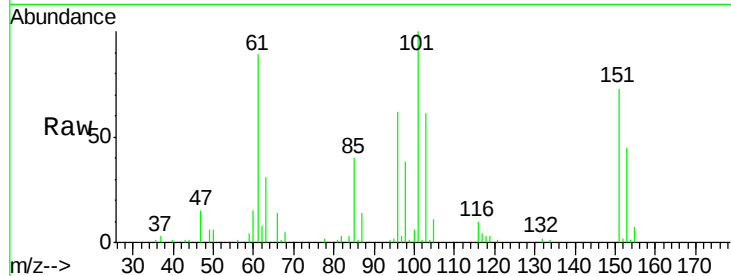
Tgt Ion:101 Resp: 165899

Ion Ratio Lower Upper

101 100

85 39.7 31.0 46.6

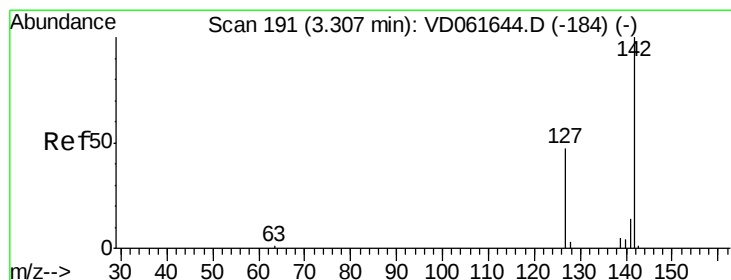
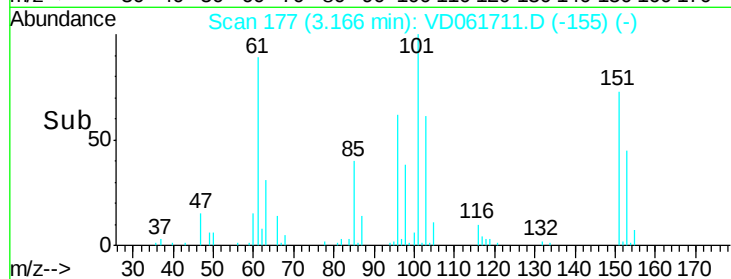
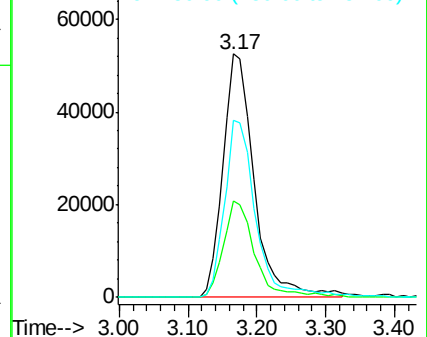
151 72.8 55.3 82.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.771 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

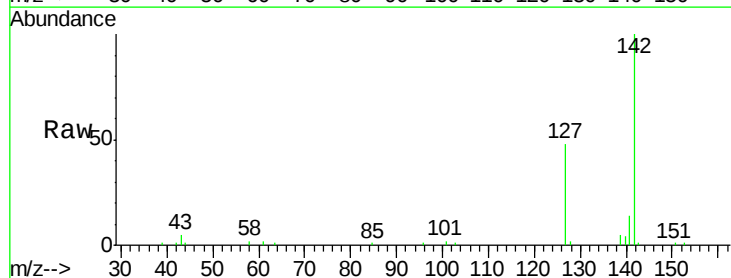
Tgt Ion:142 Resp: 204302

Ion Ratio Lower Upper

142 100

127 48.1 37.2 55.8

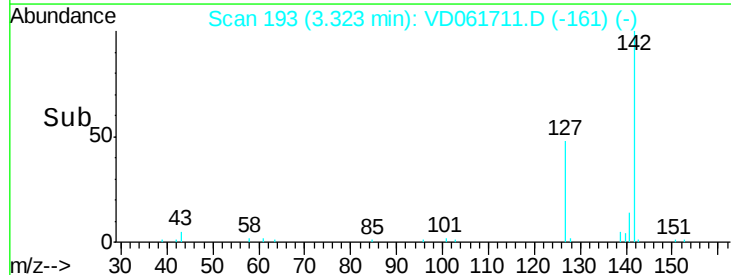
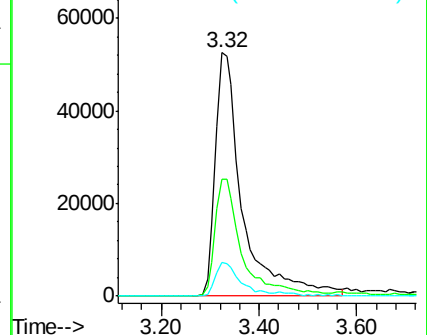
141 13.7 10.8 16.2

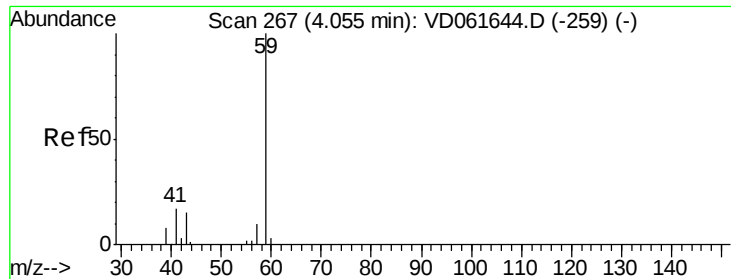


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



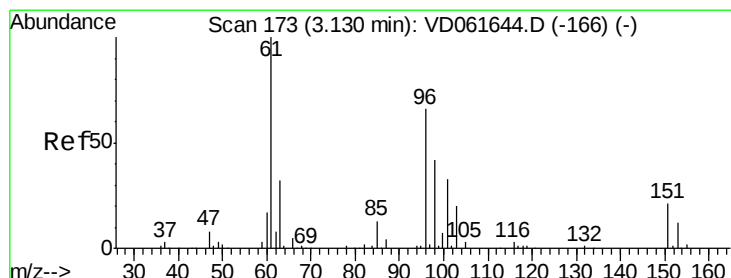
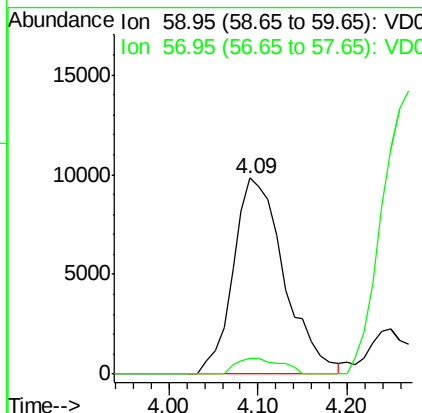
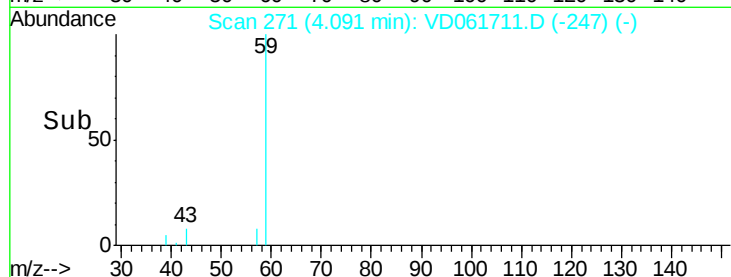
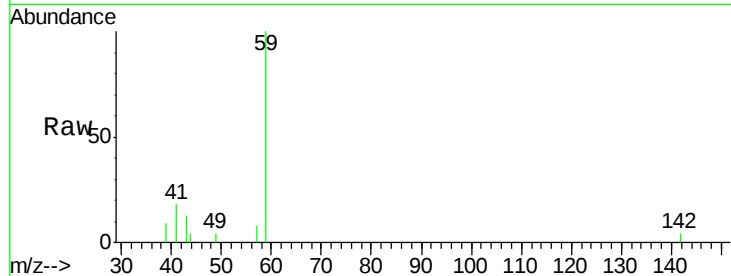


#11

Tert butyl alcohol
Concen: 110.666 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.04 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS01

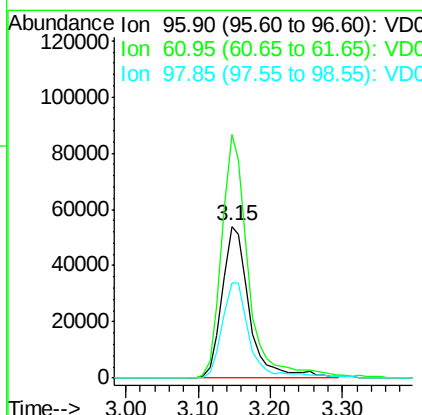
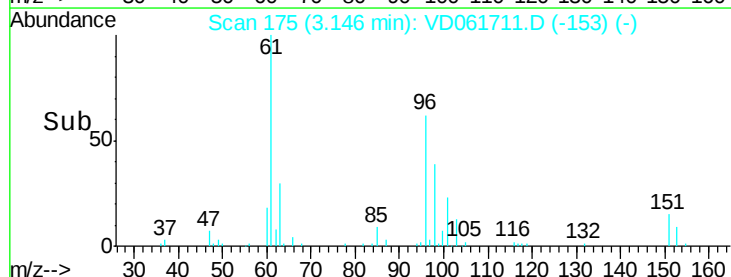
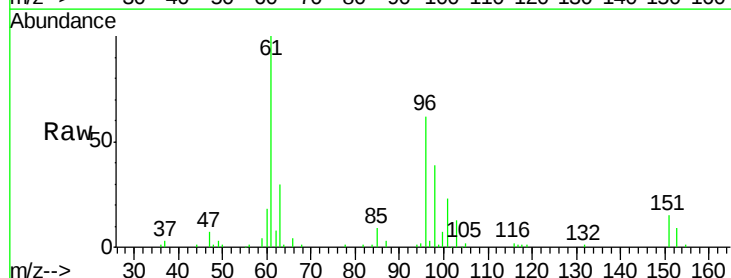
Tgt Ion: 59 Resp: 39052
Ion Ratio Lower Upper
59 100
57 8.4 8.4 12.6#

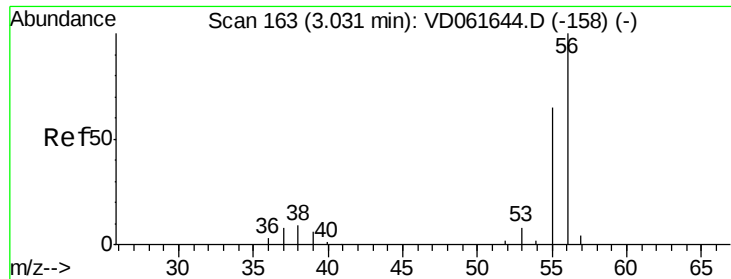


#12

1,1-Dichloroethene
Concen: 19.588 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Tgt Ion: 96 Resp: 141851
Ion Ratio Lower Upper
96 100
61 160.8 121.3 181.9
98 62.9 50.6 76.0





#13

Acrolein

Concen: 81.824 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

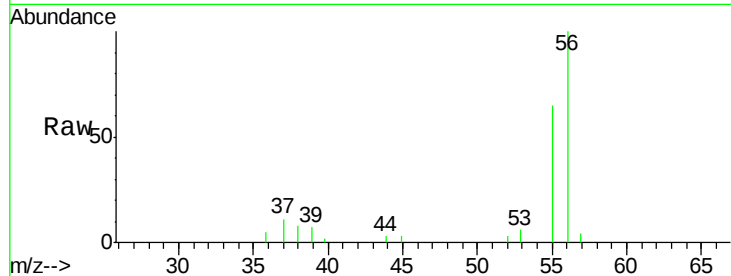
VD0410SBS01

Tgt Ion: 56 Resp: 35204

Ion Ratio Lower Upper

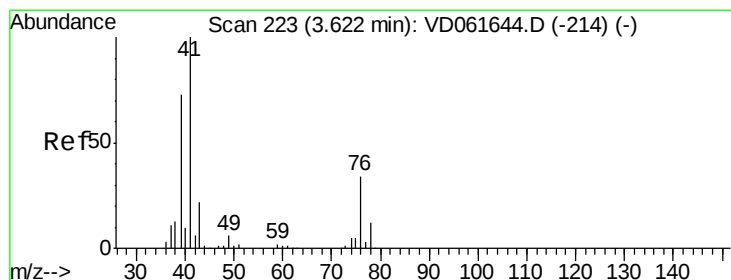
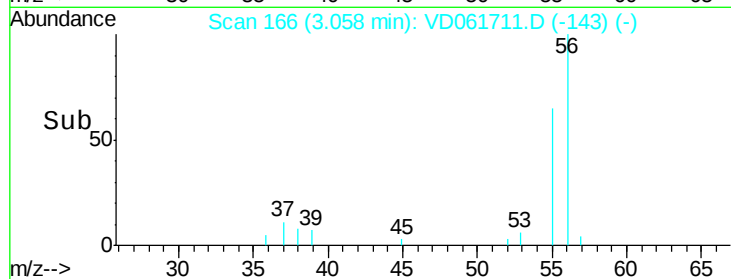
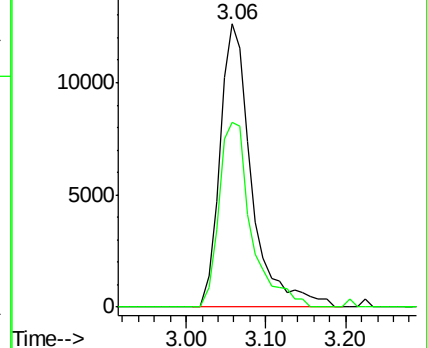
56 100

55 65.4 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.427 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

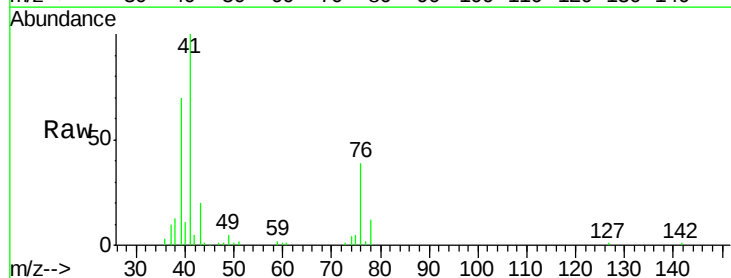
Tgt Ion: 41 Resp: 201752

Ion Ratio Lower Upper

41 100

39 70.3 58.2 87.4

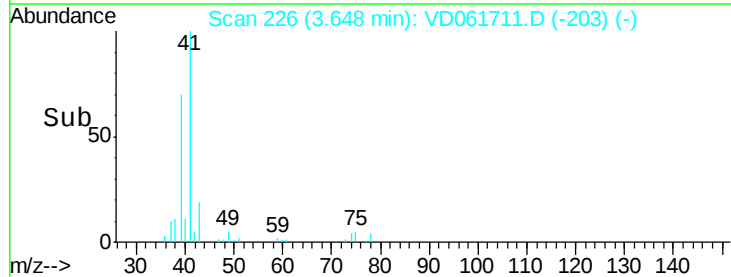
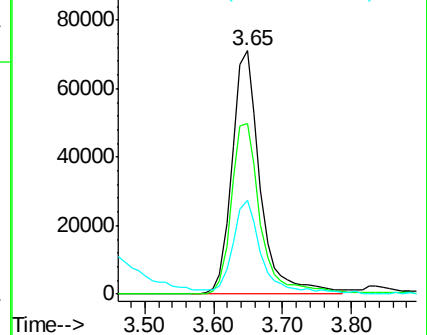
76 38.7 29.8 44.6

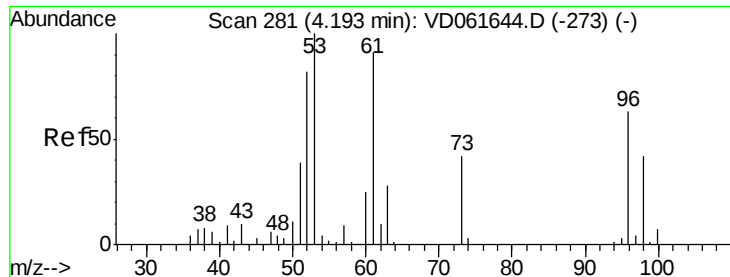


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 103.032 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

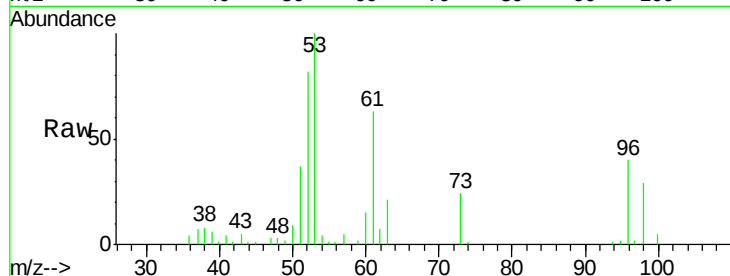
Tgt Ion: 53 Resp: 125157

Ion Ratio Lower Upper

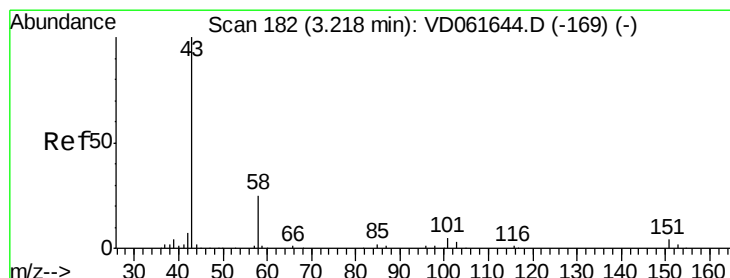
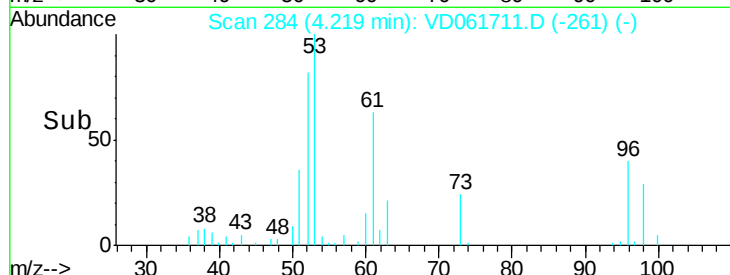
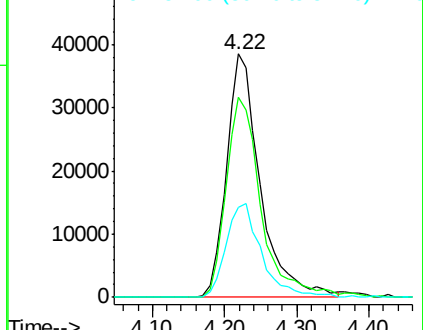
53 100

52 82.1 65.9 98.9

51 36.9 31.4 47.2



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: 95.394 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD061711.D

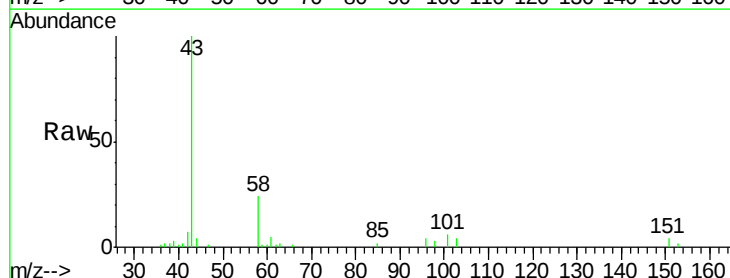
Acq: 10 Apr 2019 14:22

Tgt Ion: 43 Resp: 150151

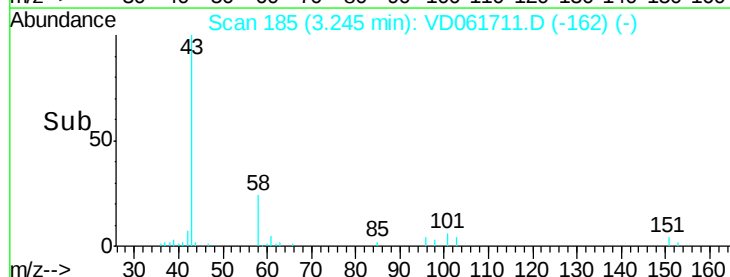
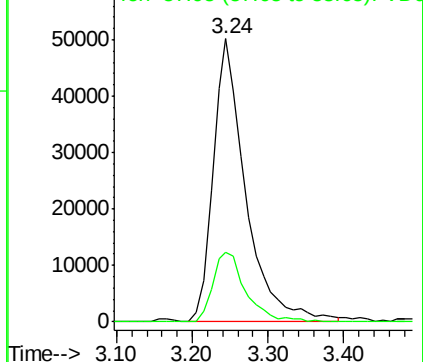
Ion Ratio Lower Upper

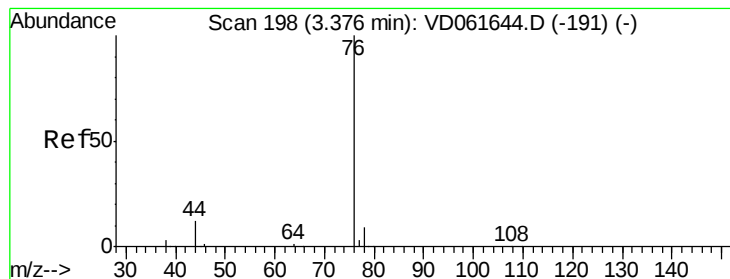
43 100

58 24.5 19.7 29.5



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





#17

Carbon Disulfide

Concen: 18.131 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

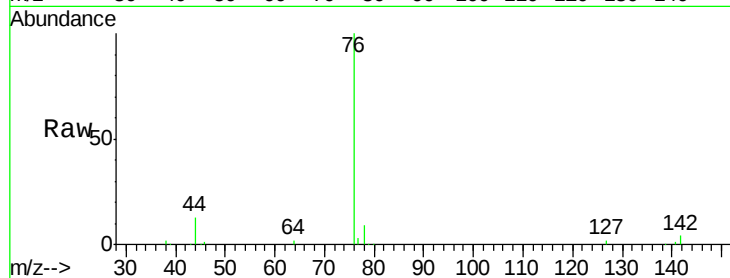
VD0410SBS01

Tgt Ion: 76 Resp: 426617

Ion Ratio Lower Upper

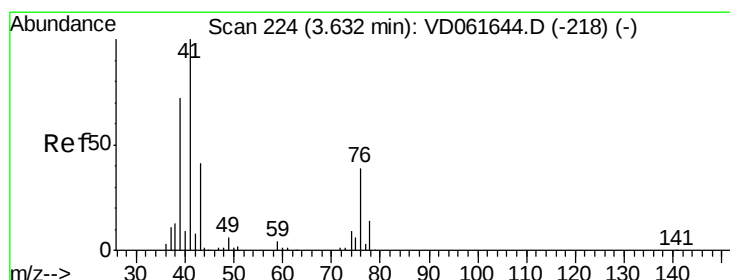
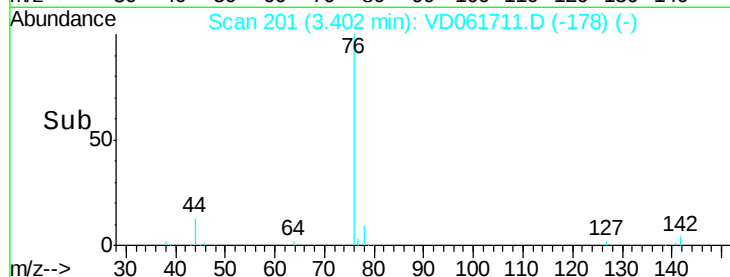
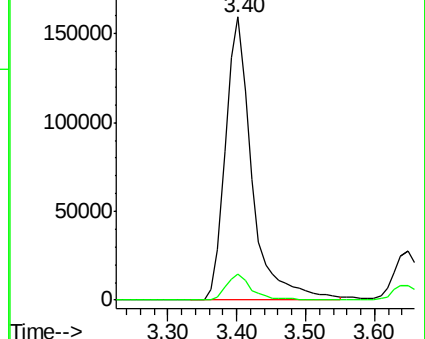
76 100

78 9.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.820 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.04 min

Lab File: VD061711.D

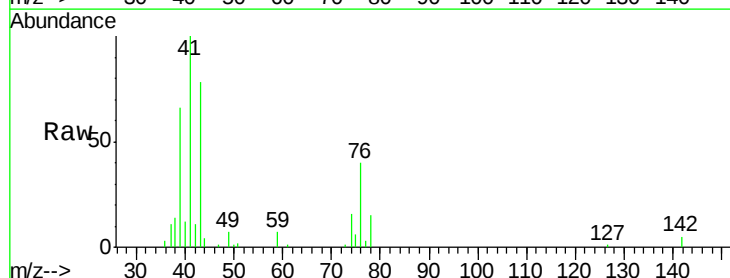
Acq: 10 Apr 2019 14:22

Tgt Ion: 43 Resp: 67580

Ion Ratio Lower Upper

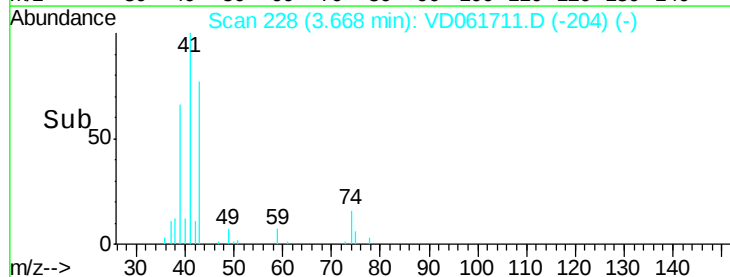
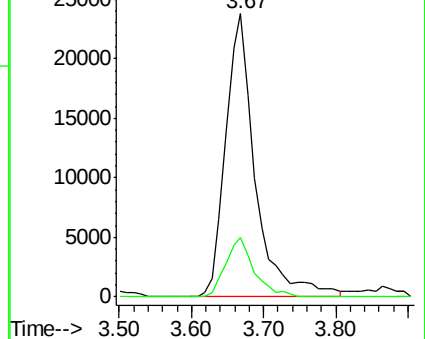
43 100

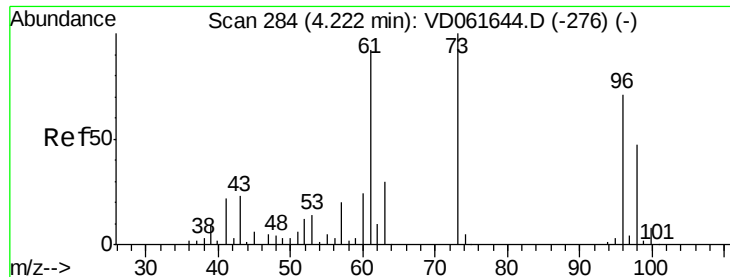
74 21.0 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 20.999 ug/l

RT: 4.26 min Scan# 288

Delta R.T. 0.04 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

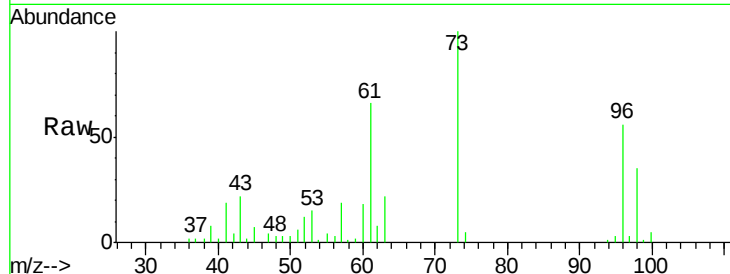
VD0410SBS01

Tgt Ion: 73 Resp: 263302

Ion Ratio Lower Upper

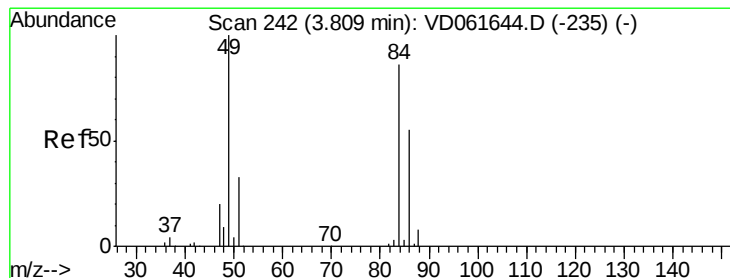
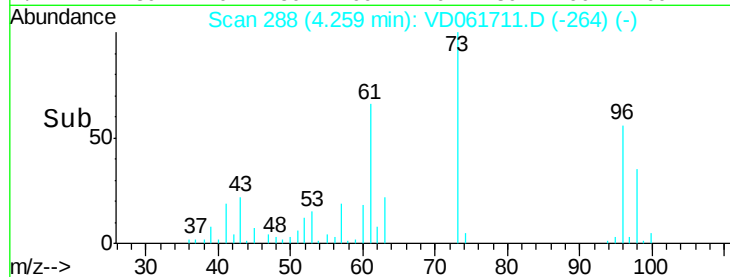
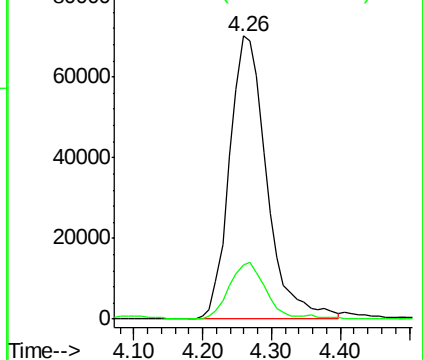
73 100

57 19.0 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 19.989 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Tgt Ion: 84 Resp: 178541

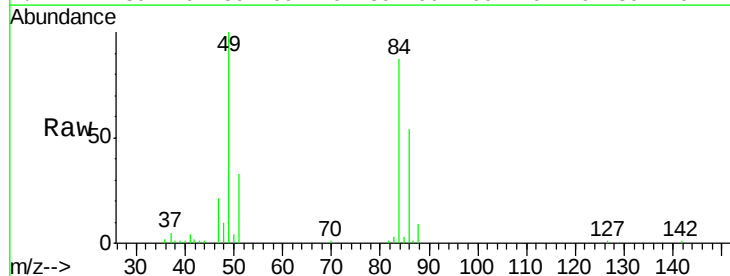
Ion Ratio Lower Upper

84 100

49 115.0 93.0 139.4

51 37.4 30.4 45.6

86 61.6 51.0 76.4

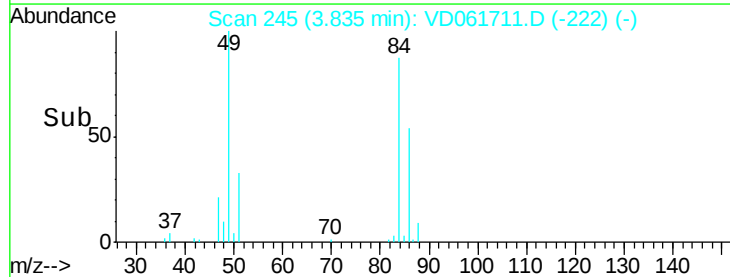
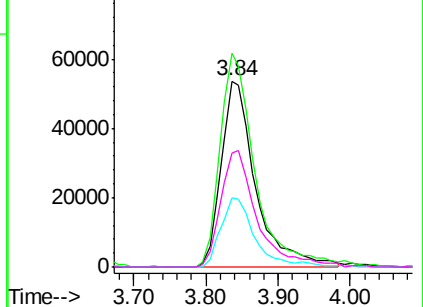


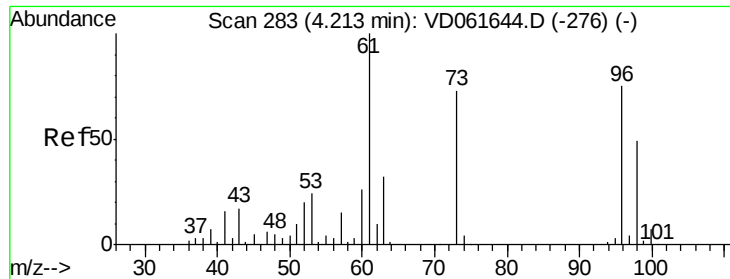
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 19.389 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

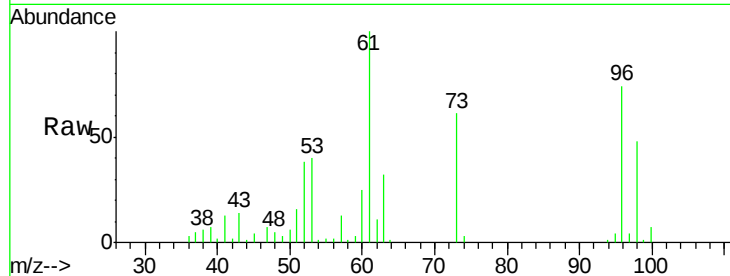
Tgt Ion: 96 Resp: 152499

Ion Ratio Lower Upper

96 100

61 134.7 106.8 160.2

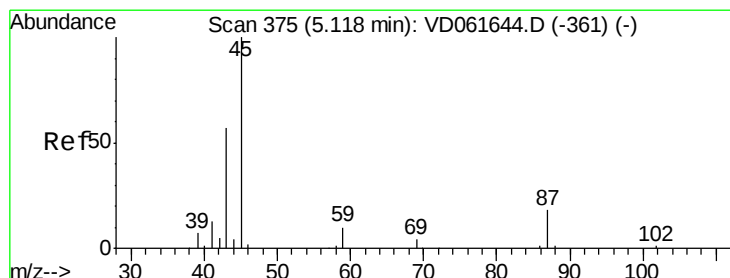
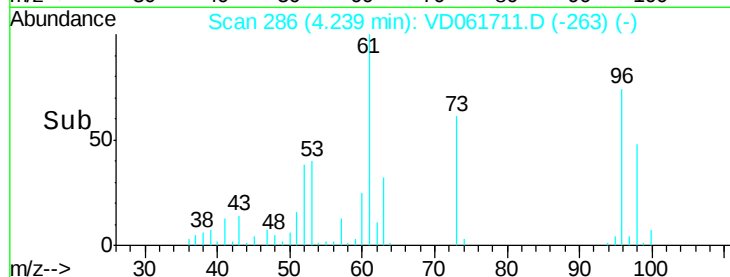
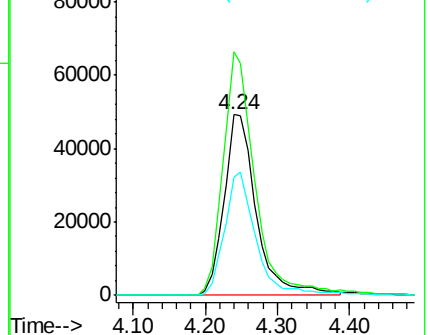
98 65.2 52.2 78.2



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: 19.721 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Tgt Ion: 45 Resp: 408385

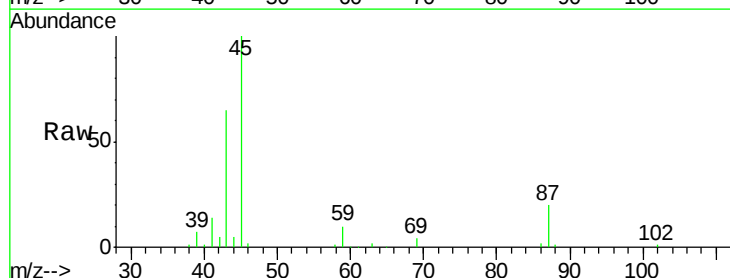
Ion Ratio Lower Upper

45 100

43 65.0 46.6 70.0

87 19.6 15.6 23.4

59 10.2 8.6 13.0

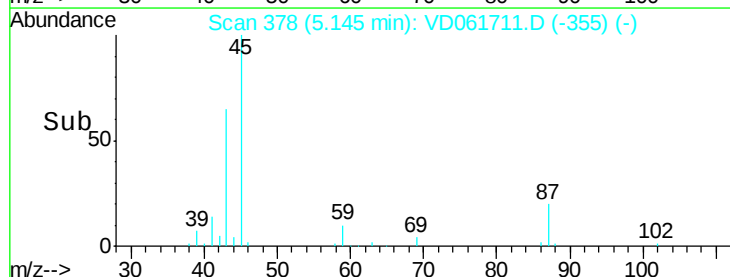
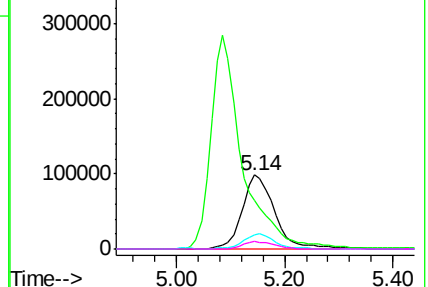


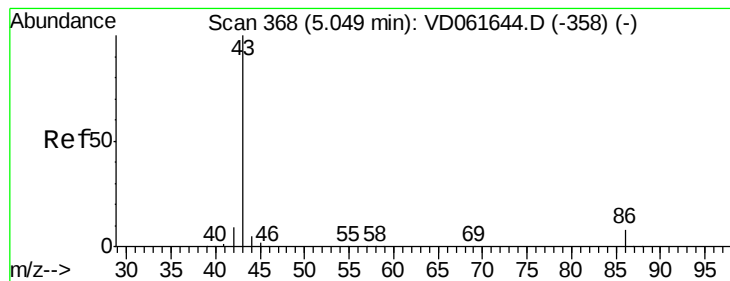
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 98.080 ug/l

RT: 5.09 min Scan# 372

Delta R.T. 0.04 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

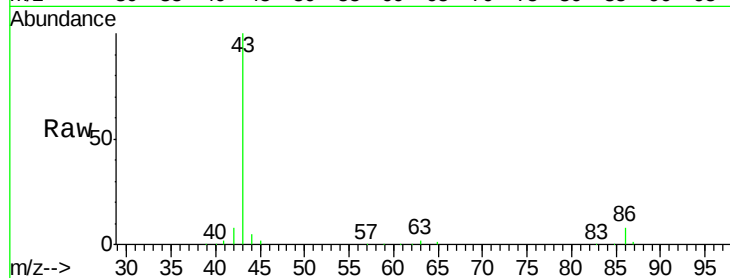
VD0410SBSD01

Tgt Ion: 43 Resp: 1120697

Ion Ratio Lower Upper

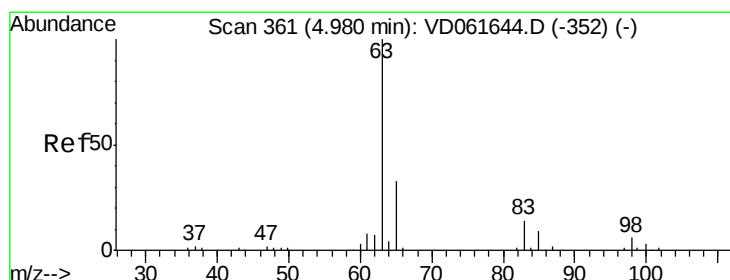
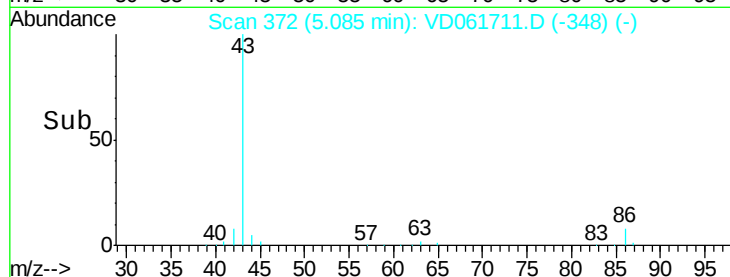
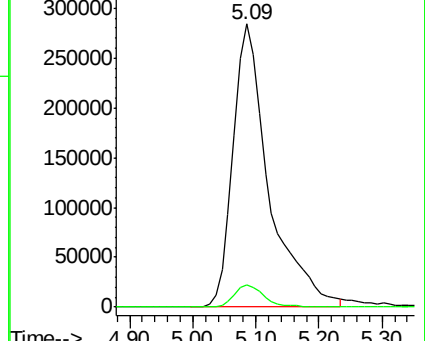
43 100

86 7.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.808 ug/l

RT: 5.02 min Scan# 365

Delta R.T. 0.04 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

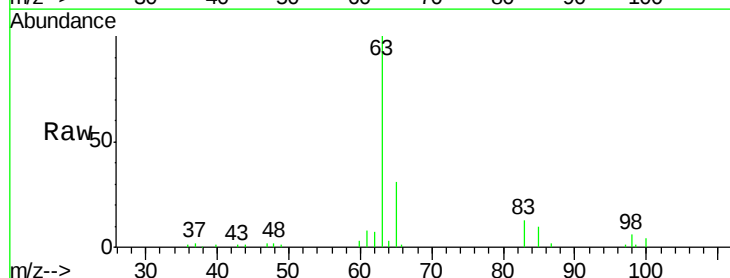
Tgt Ion: 63 Resp: 238670

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

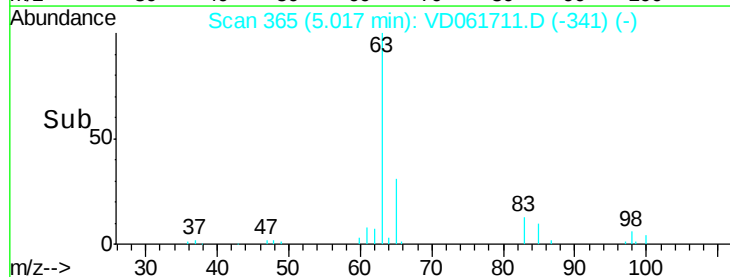
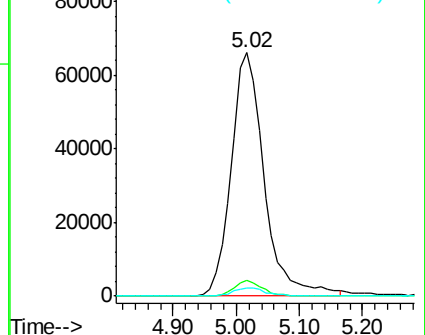
100 3.5 1.7 5.1

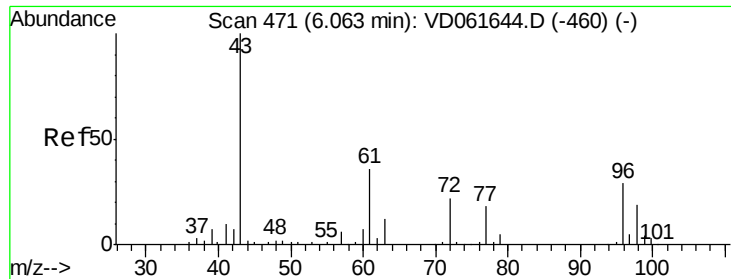


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 102.544 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.04 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

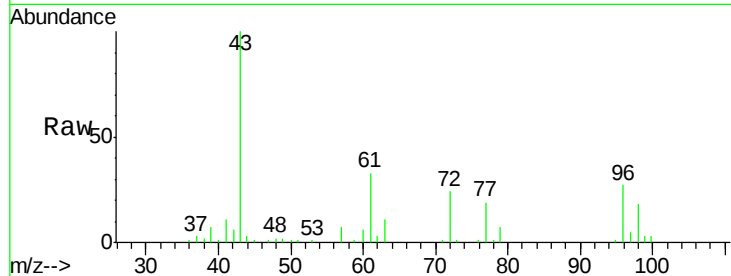
VD0410SBS01

Tgt Ion: 43 Resp: 186073

Ion Ratio Lower Upper

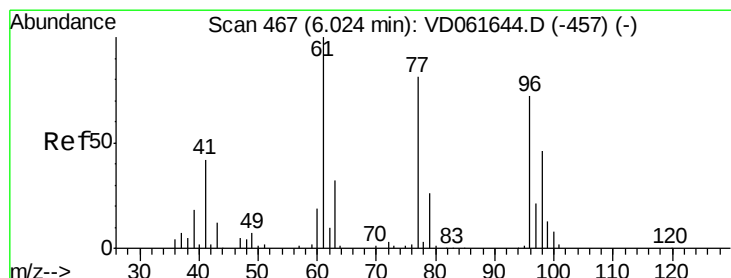
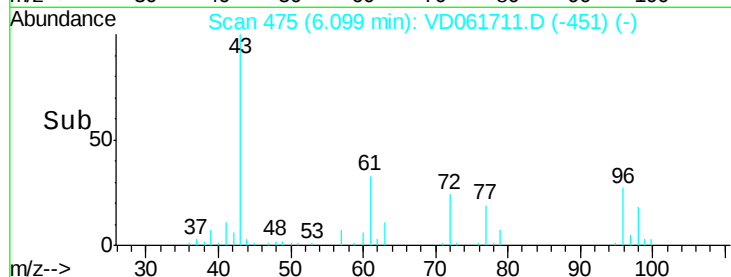
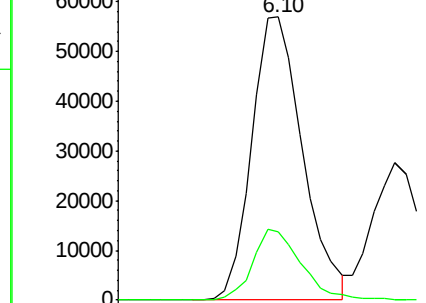
43 100

72 24.2 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.316 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD061711.D

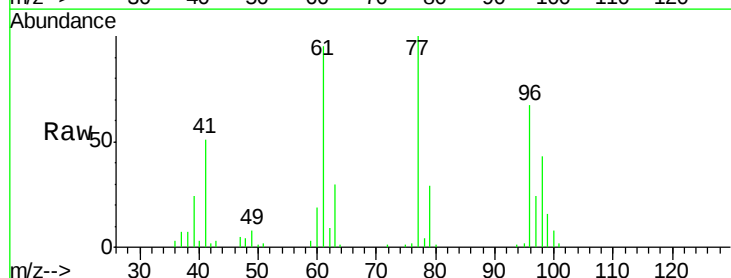
Acq: 10 Apr 2019 14:22

Tgt Ion: 77 Resp: 209922

Ion Ratio Lower Upper

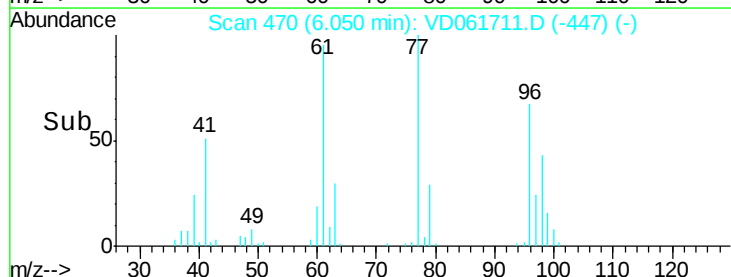
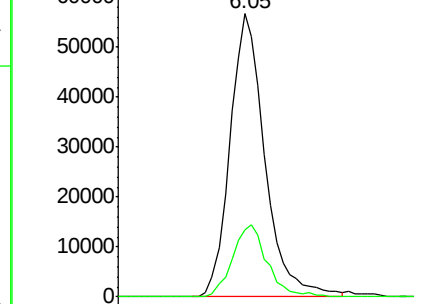
77 100

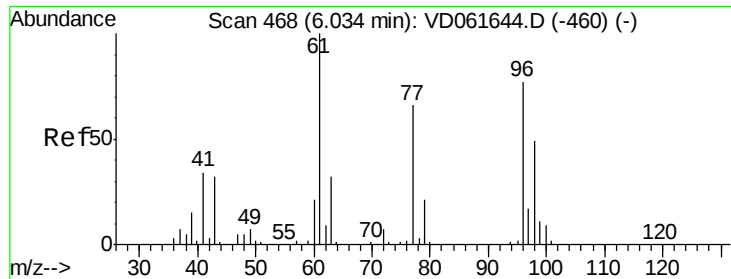
97 23.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



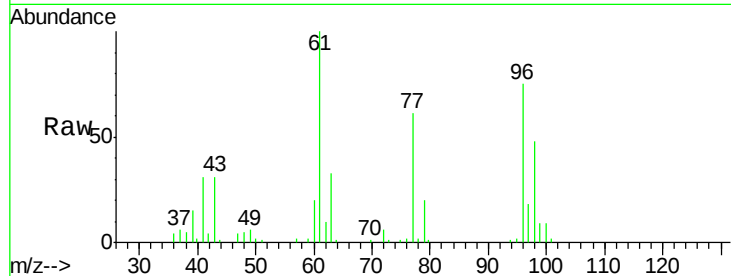


#27

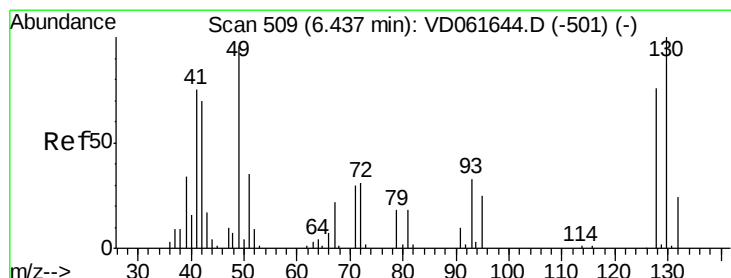
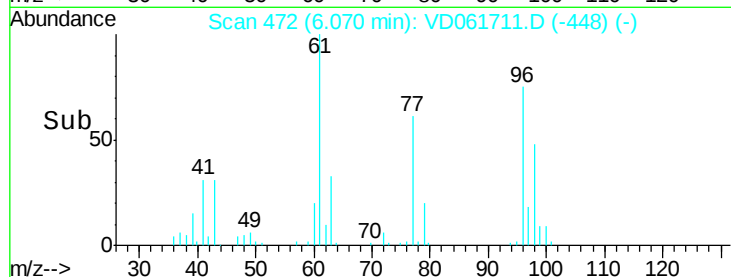
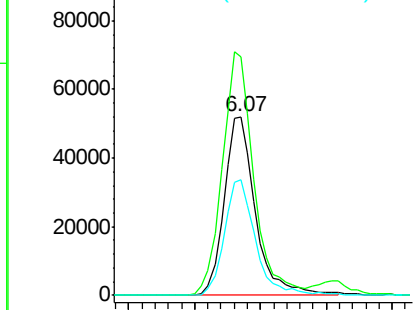
cis-1,2-Dichloroethene
 Concen: 20.534 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. 0.04 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

Tgt Ion: 96 Resp: 172293
 Ion Ratio Lower Upper
 96 100
 61 133.2 0.0 259.8
 98 64.4 0.0 127.6



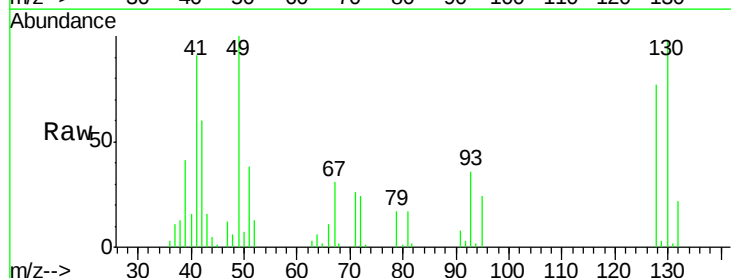
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



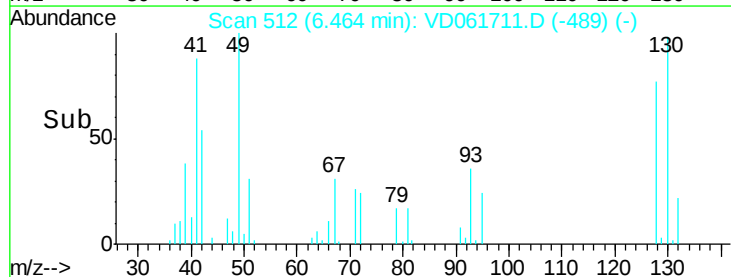
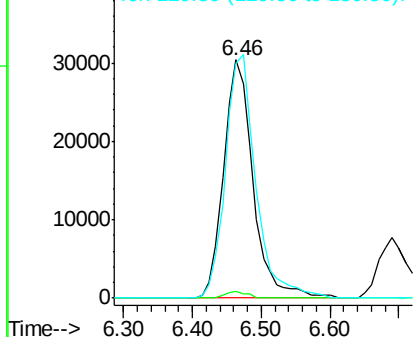
#28

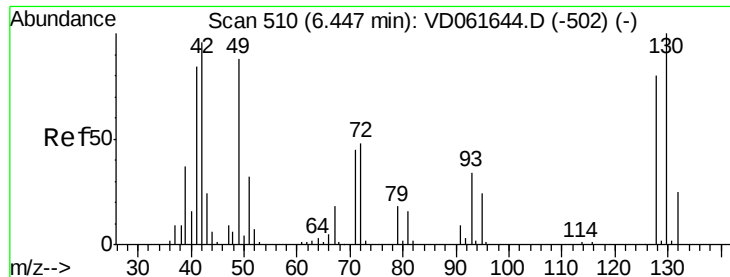
Bromochloromethane
 Concen: 19.269 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 49 Resp: 90200
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.0
 130 98.2 83.3 124.9



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

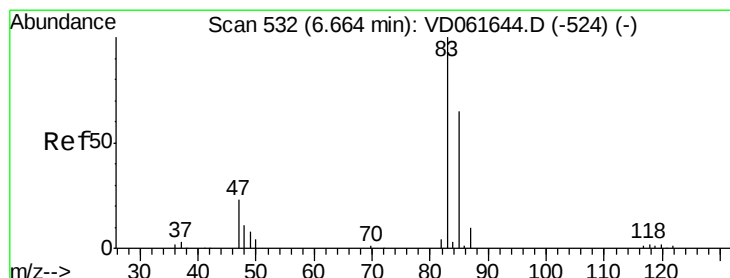
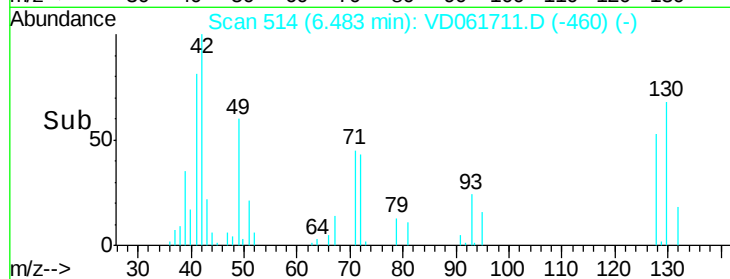
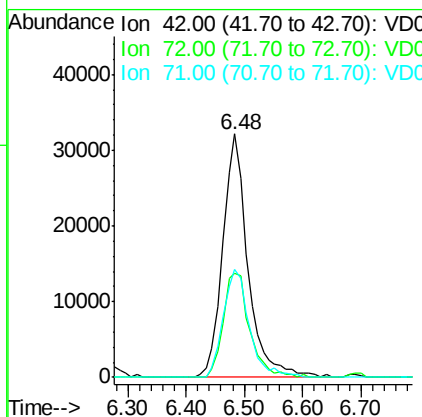
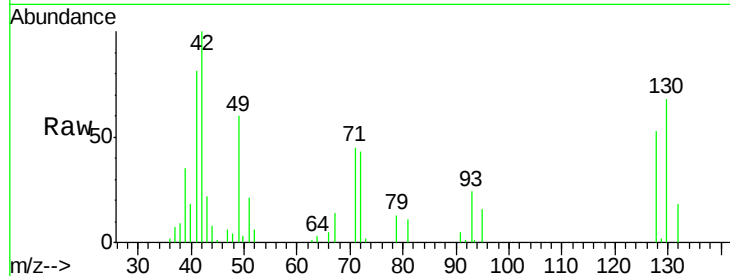




#29
Tetrahydrofuran
Concen: 110.264 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.04 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

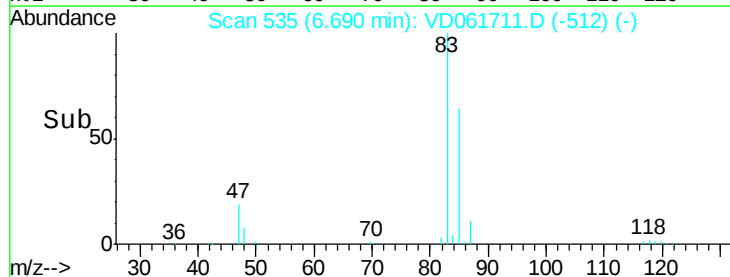
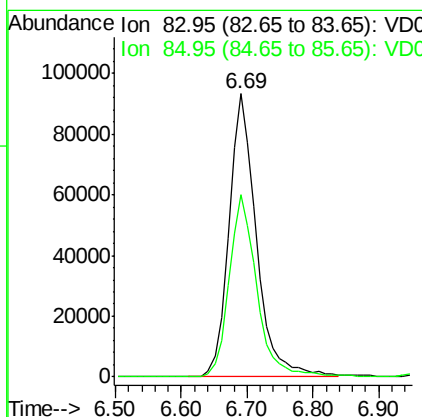
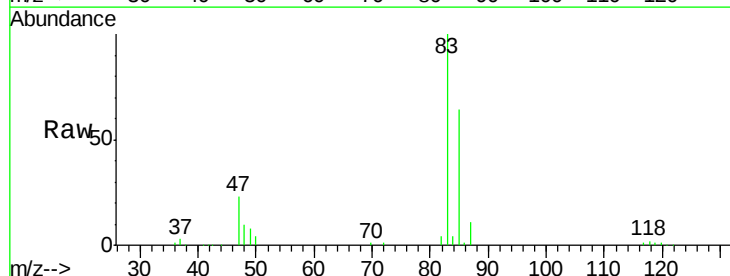
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD01

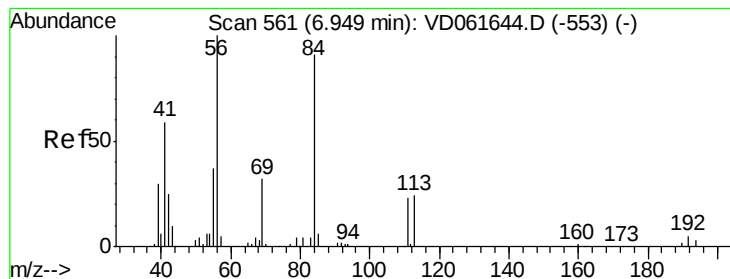
Tgt Ion: 42 Resp: 96586
Ion Ratio Lower Upper
42 100
72 44.6 37.0 55.6
71 45.7 36.5 54.7



#30
Chloroform
Concen: 20.459 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Tgt Ion: 83 Resp: 271979
Ion Ratio Lower Upper
83 100
85 64.5 51.9 77.9





#31

Cyclohexane

Concen: 18.862 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.04 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

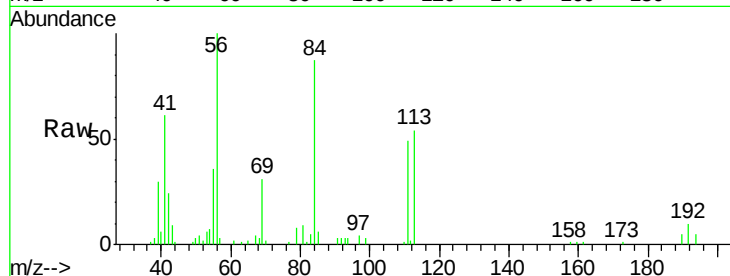
Tgt Ion: 56 Resp: 186987

Ion Ratio Lower Upper

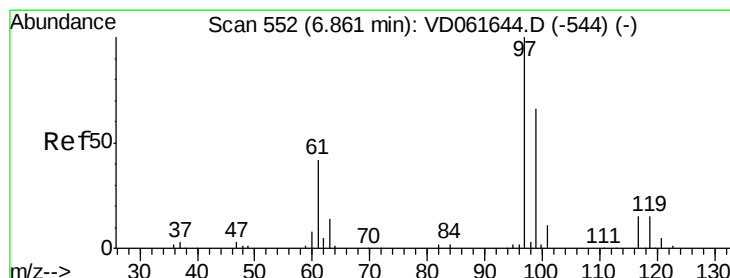
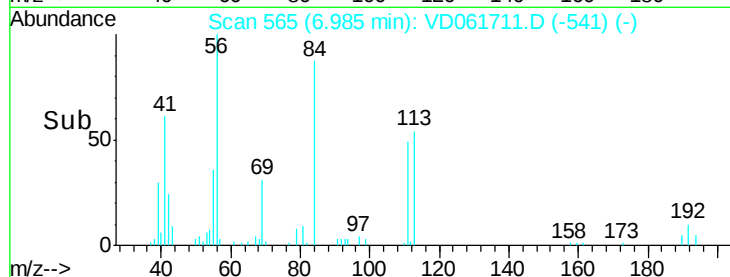
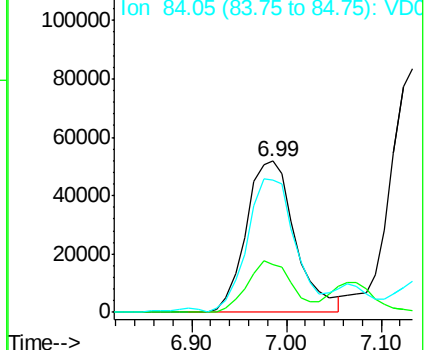
56 100

69 31.3 25.8 38.6

84 87.0 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 20.613 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.04 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

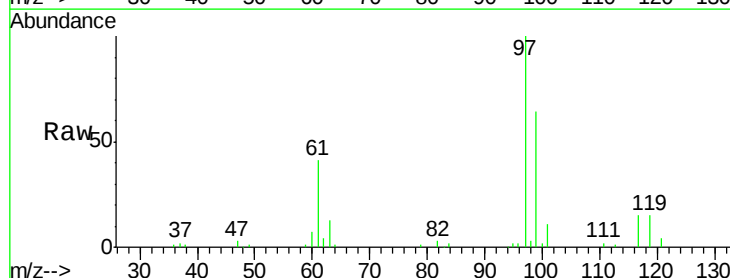
Tgt Ion: 97 Resp: 240130

Ion Ratio Lower Upper

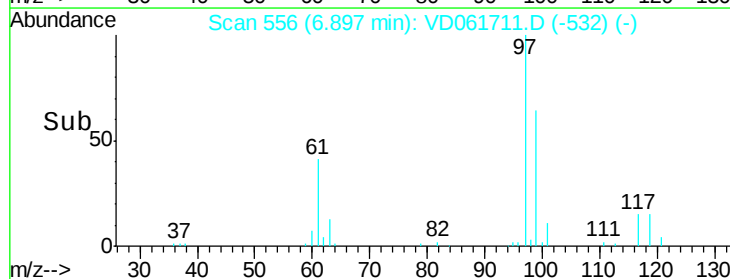
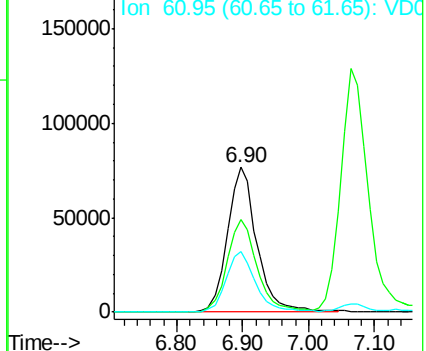
97 100

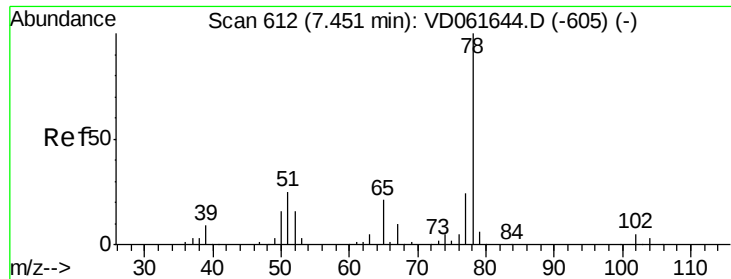
99 64.3 52.5 78.7

61 41.5 33.4 50.0



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

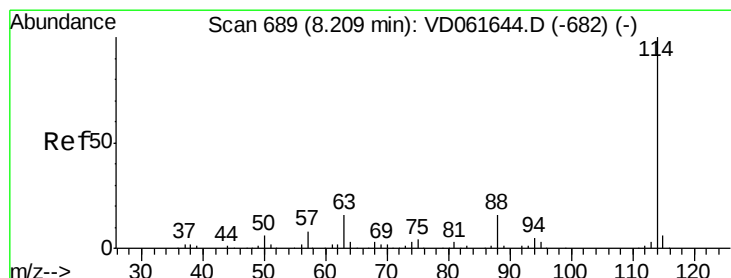
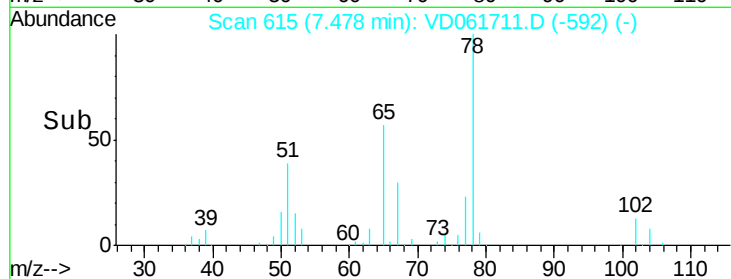
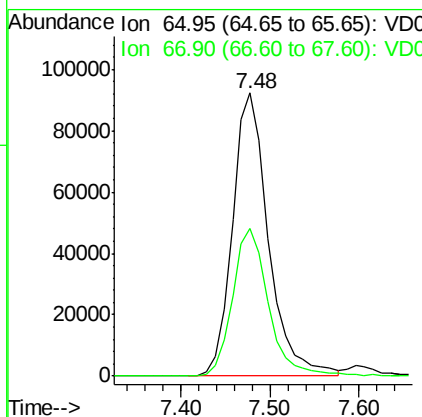
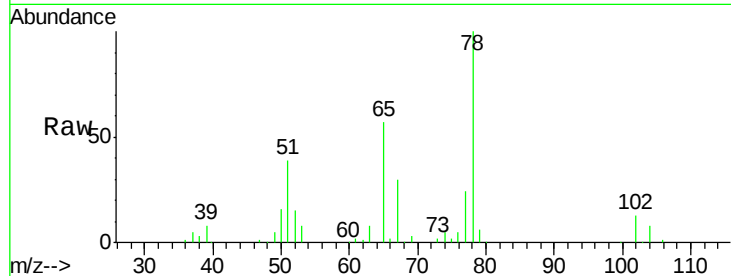




#33
 1,2-Dichloroethane-d4
 Concen: 49.252 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

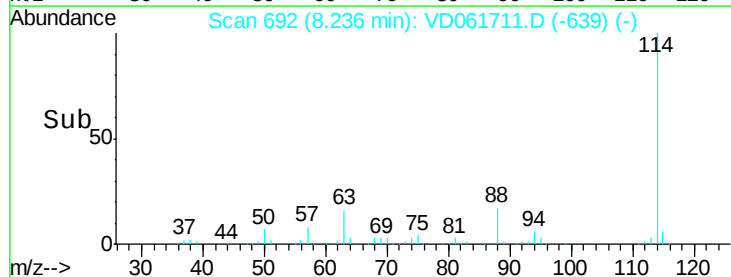
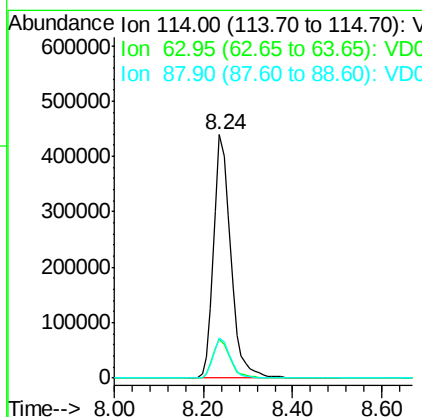
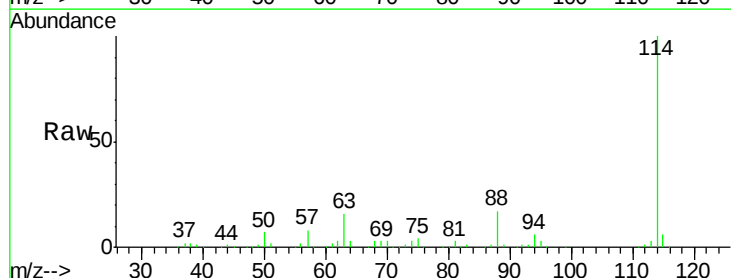
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0410SBSD01

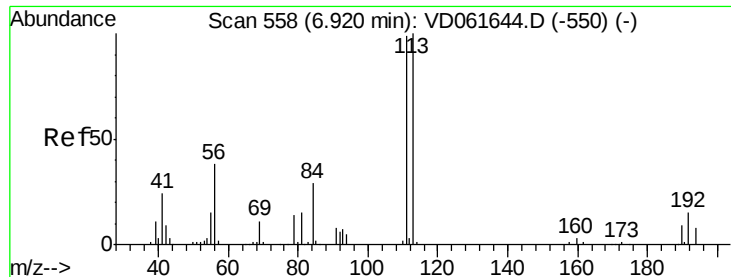
Tgt Ion: 65 Resp: 259334
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 114 Resp: 1172028
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.2
 88 16.5 0.0 31.8

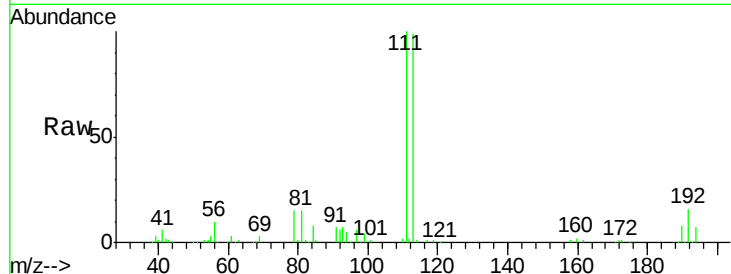




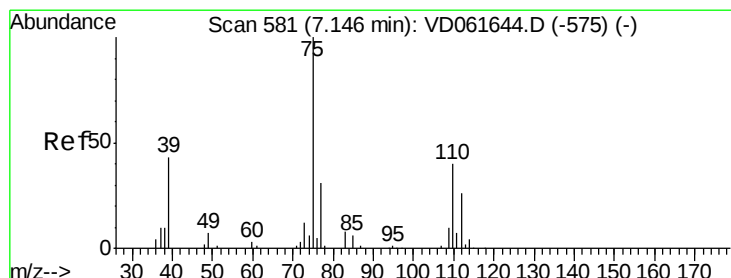
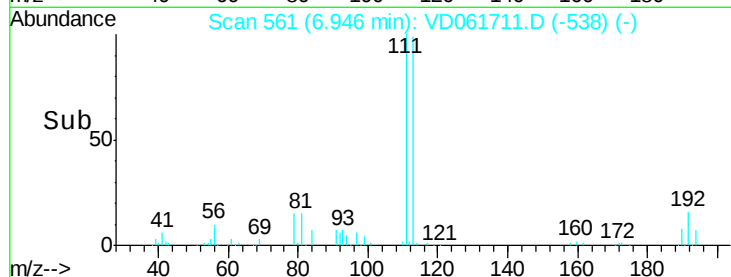
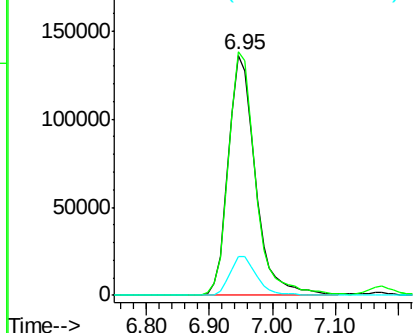
#35
 Dibromofluoromethane
 Concen: 49.981 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD01

Tgt Ion:113 Resp: 405823
 Ion Ratio Lower Upper
 113 100
 111 101.4 79.3 118.9
 192 16.1 12.3 18.5

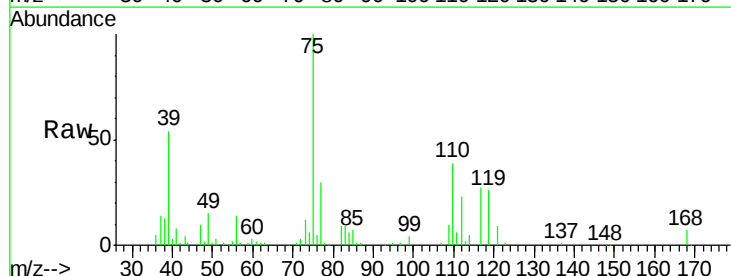


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

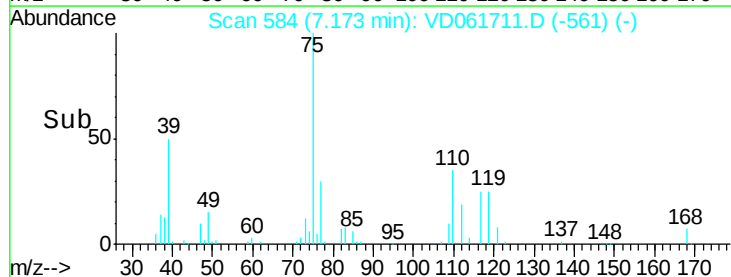
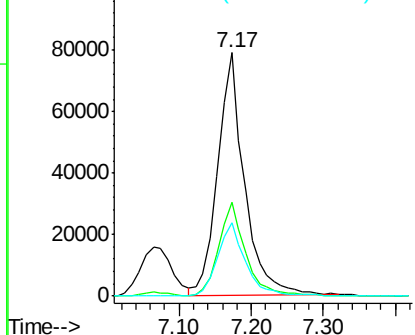


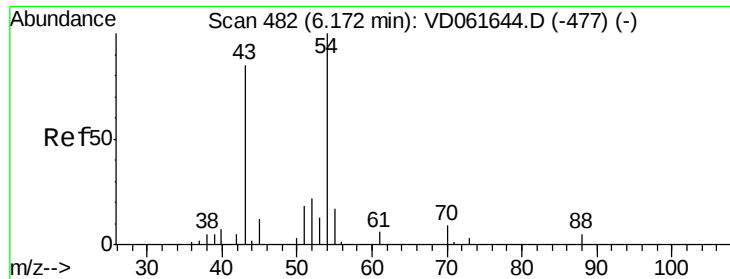
#36
 1,1-Dichloropropene
 Concen: 19.693 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 75 Resp: 202000
 Ion Ratio Lower Upper
 75 100
 110 38.8 19.7 59.0
 77 30.2 24.8 37.2



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

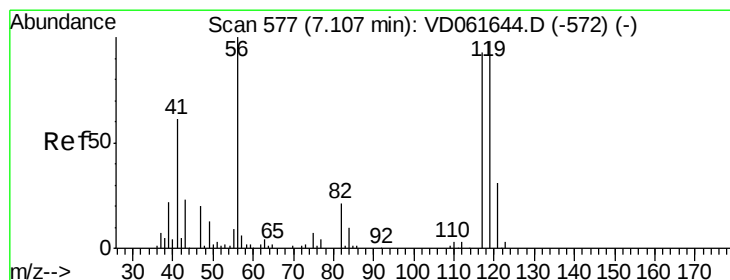
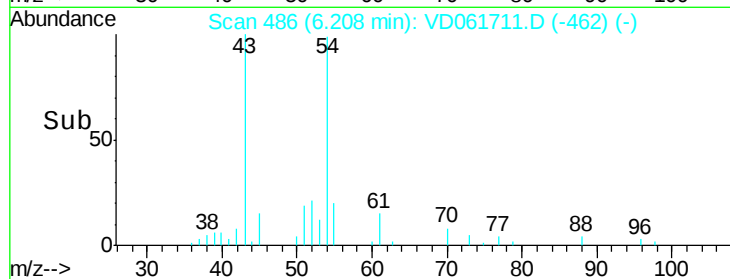
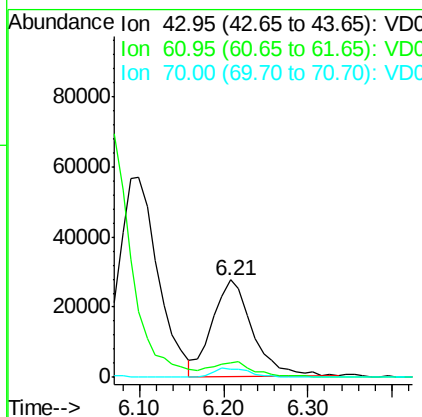
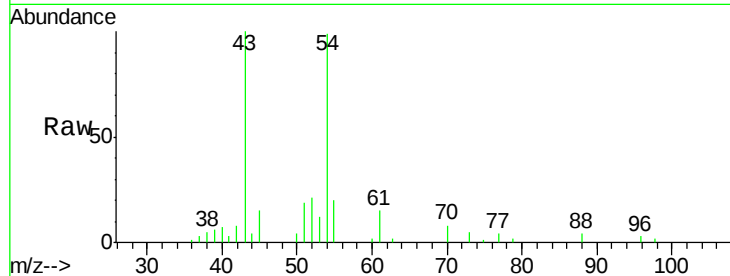




#37
 Ethyl Acetate
 Concen: 21.412 ug/l
 RT: 6.21 min Scan# 486
 Delta R.T. 0.04 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

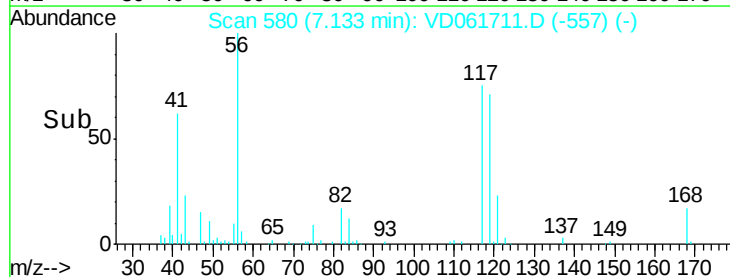
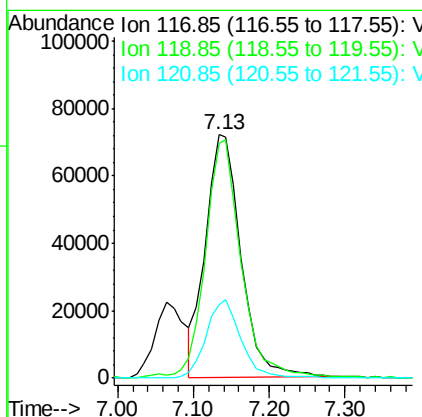
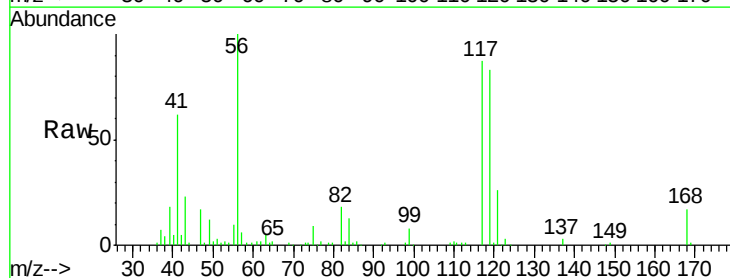
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD01

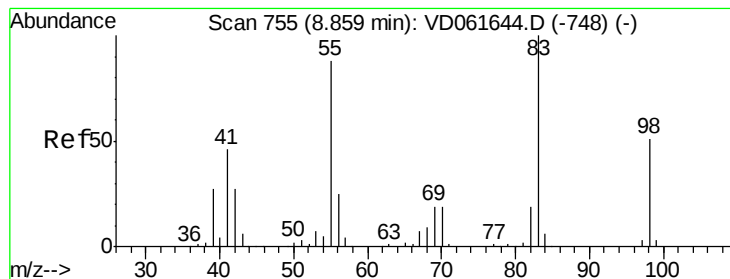
Tgt Ion: 43 Resp: 89458
 Ion Ratio Lower Upper
 43 100
 61 15.3 11.9 17.9
 70 8.4 6.9 10.3



#38
 Carbon Tetrachloride
 Concen: 19.556 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 117 Resp: 235099
 Ion Ratio Lower Upper
 117 100
 119 96.1 77.9 116.9
 121 30.2 24.7 37.1





#39

Methylcyclohexane

Concen: 20.775 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

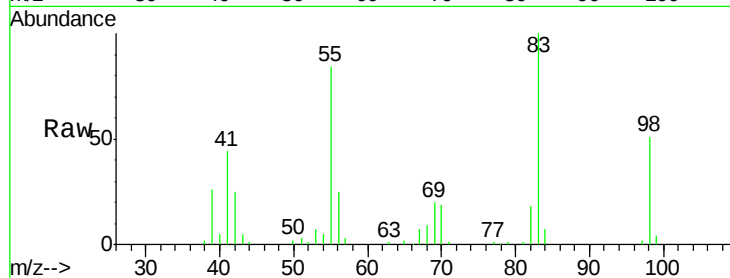
Tgt Ion: 83 Resp: 218776

Ion Ratio Lower Upper

83 100

55 83.8 70.3 105.5

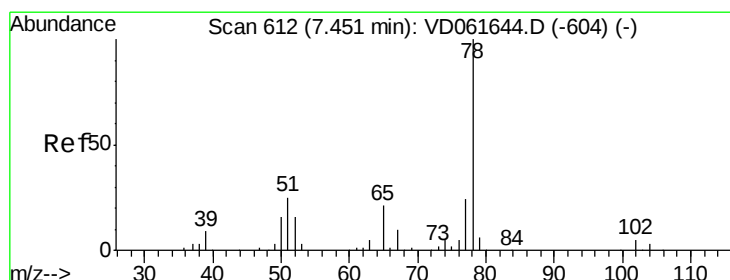
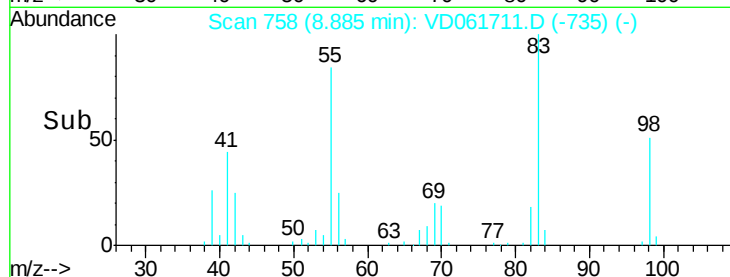
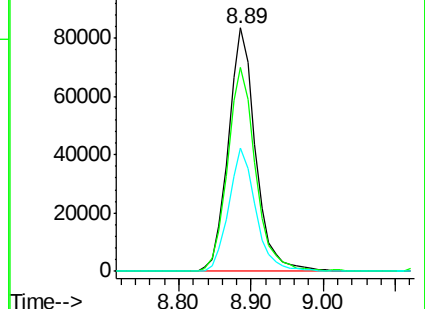
98 50.6 41.0 61.6



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.005 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061711.D

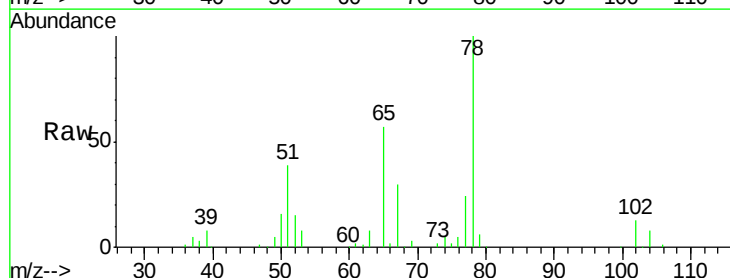
Acq: 10 Apr 2019 14:22

Tgt Ion: 78 Resp: 470293

Ion Ratio Lower Upper

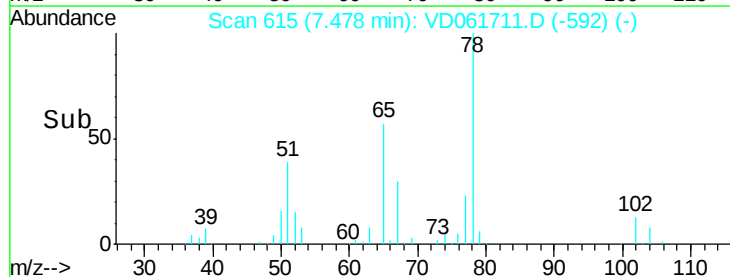
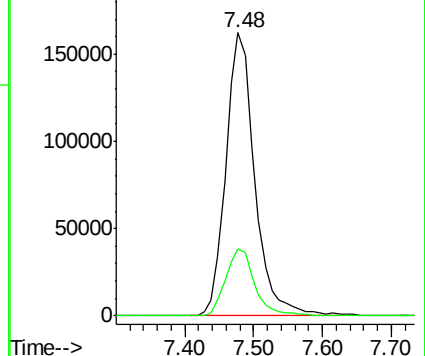
78 100

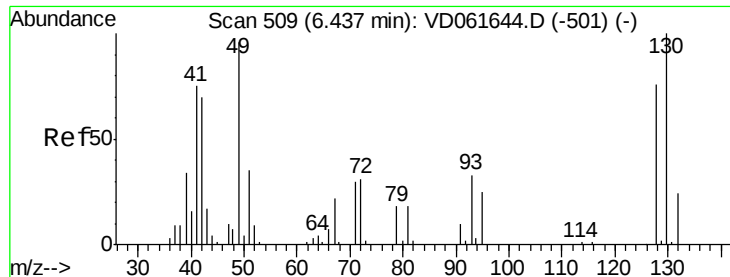
77 23.8 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.031 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.04 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

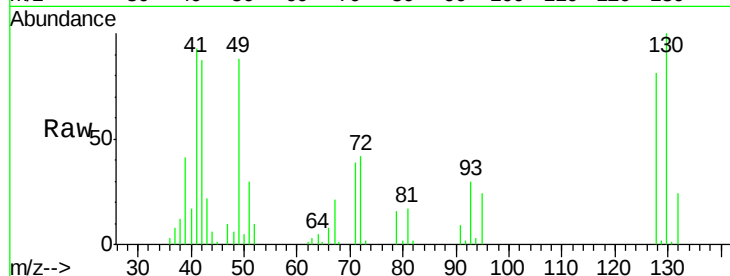
ClientSampleId :

VD0410SBSD01

Tgt Ion: 41 Resp: 112329

Ion Ratio Lower Upper

41	100		
39	44.1	36.2	54.2
67	22.1	23.2	34.8#
52	10.3	10.0	15.0

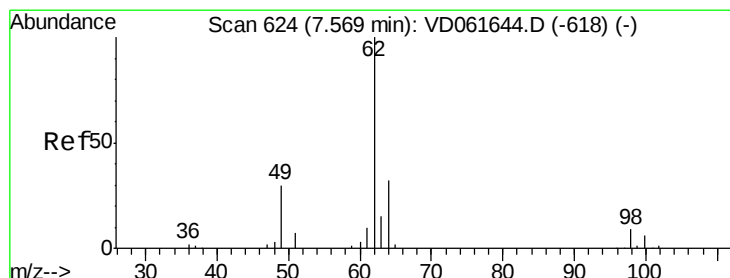
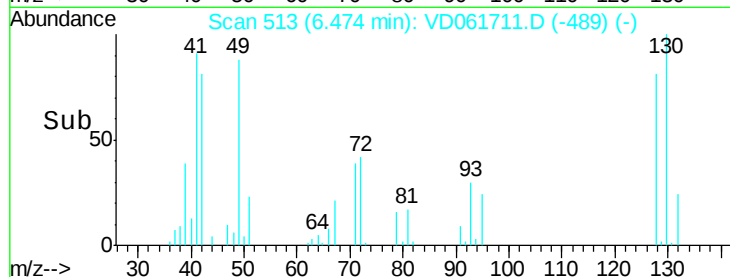
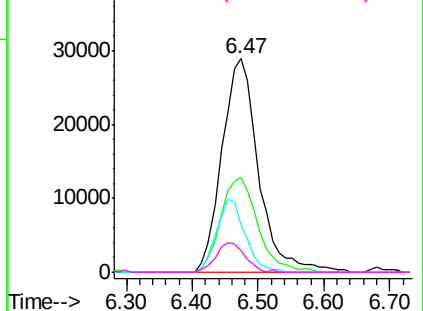


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.630 ug/l

RT: 7.61 min Scan# 628

Delta R.T. 0.04 min

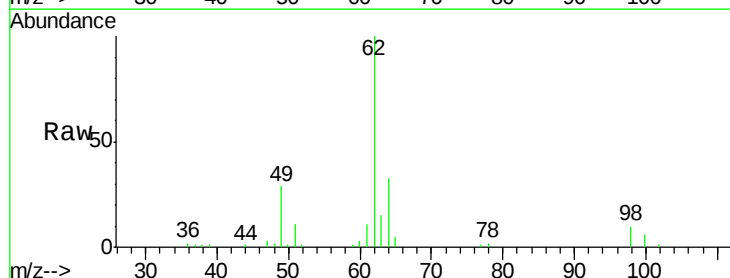
Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Tgt Ion: 62 Resp: 160550

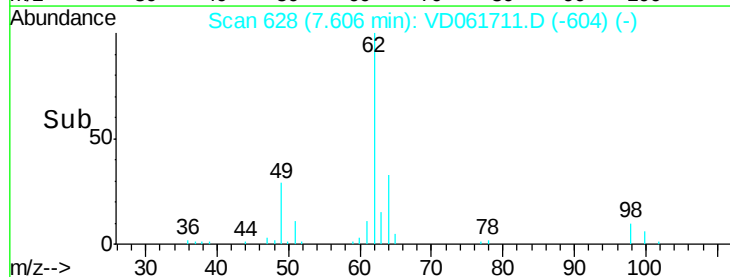
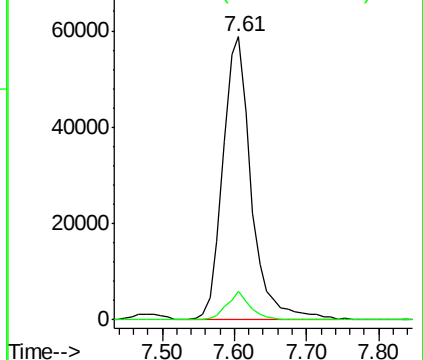
Ion Ratio Lower Upper

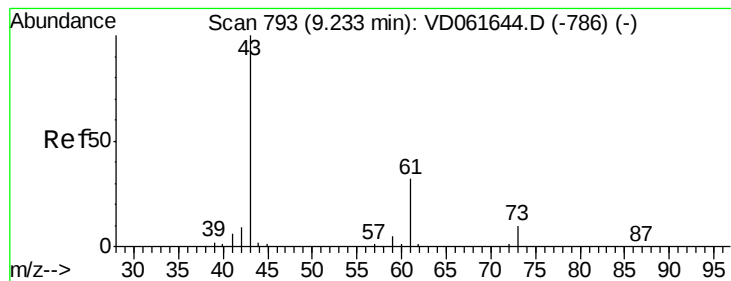
62	100		
98	10.0	0.0	17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.761 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

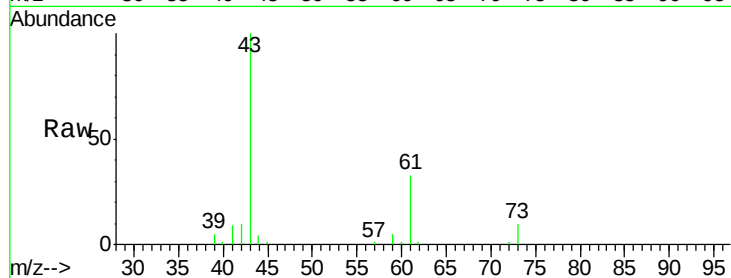
Tgt Ion: 43 Resp: 125887

Ion Ratio Lower Upper

43 100

61 32.8 25.9 38.9

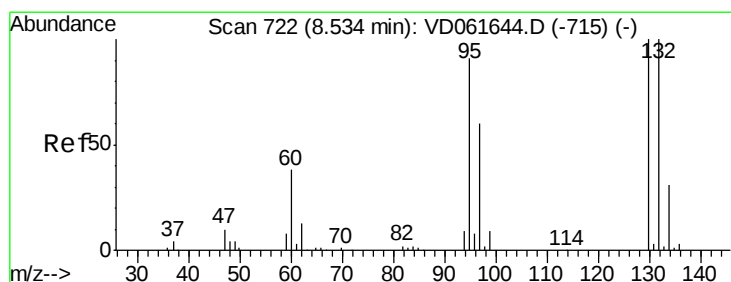
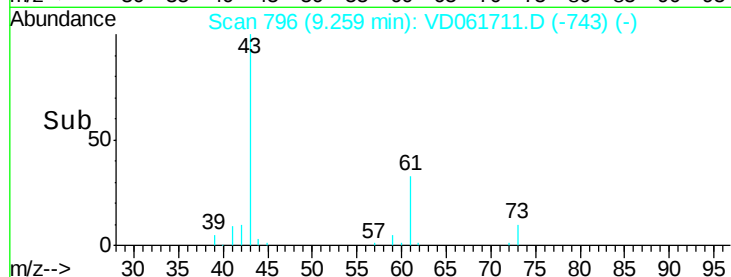
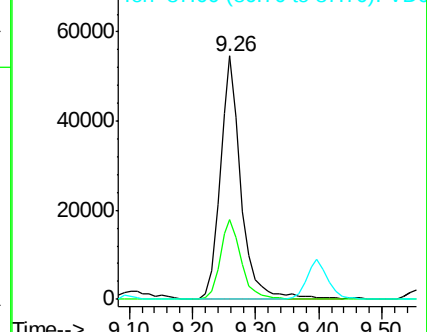
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.499 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.03 min

Lab File: VD061711.D

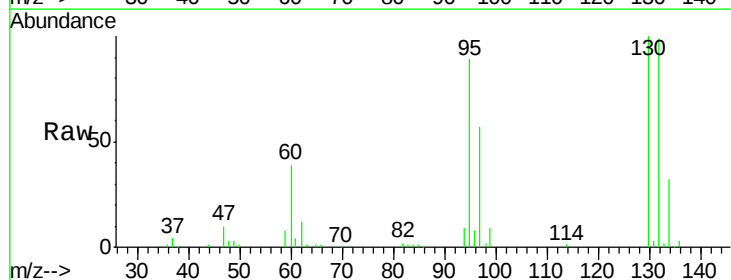
Acq: 10 Apr 2019 14:22

Tgt Ion: 130 Resp: 194470

Ion Ratio Lower Upper

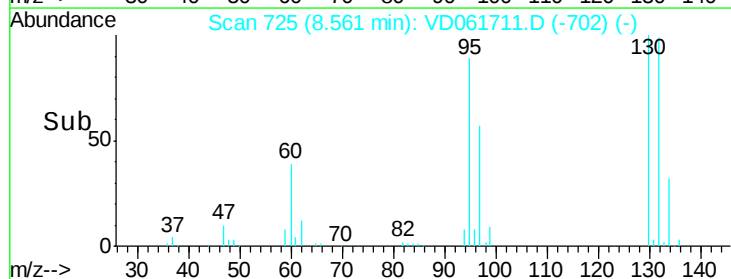
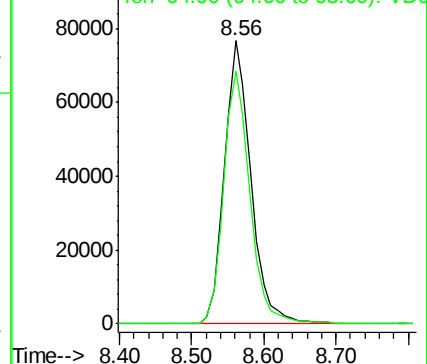
130 100

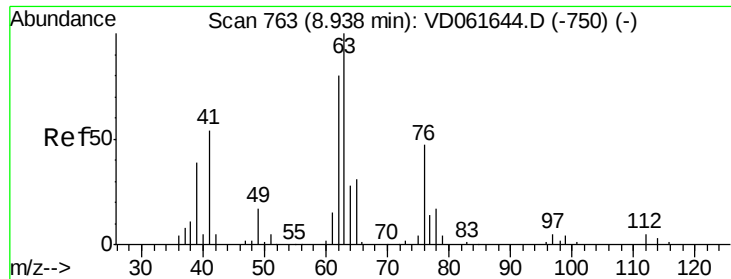
95 89.3 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.481 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

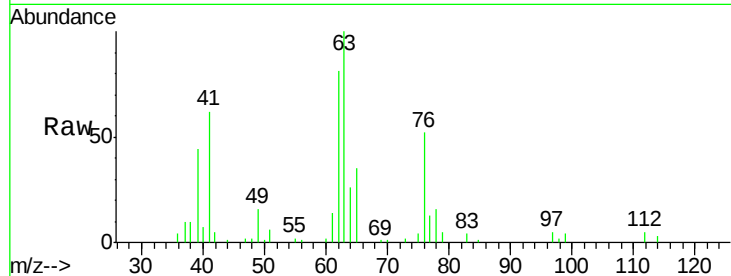
VD0410SBS01

Tgt Ion: 63 Resp: 119553

Ion Ratio Lower Upper

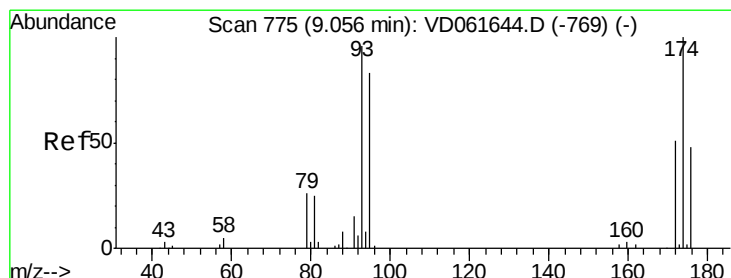
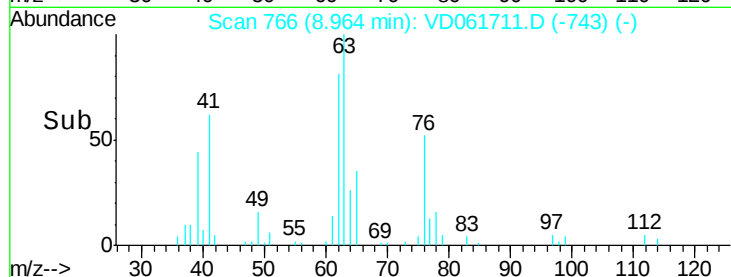
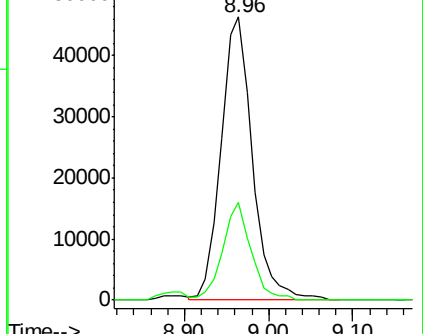
63 100

65 34.7 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.130 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

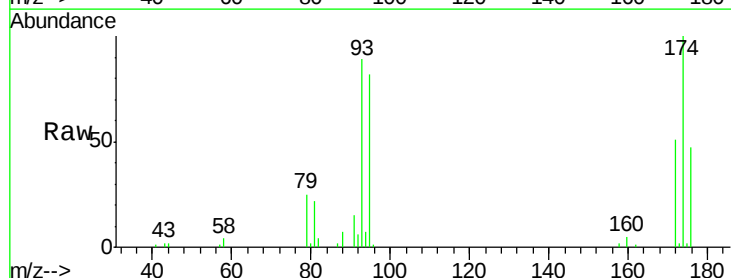
Tgt Ion: 93 Resp: 88290

Ion Ratio Lower Upper

93 100

95 91.6 68.6 103.0

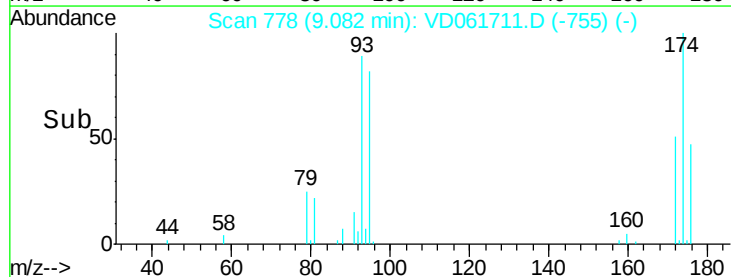
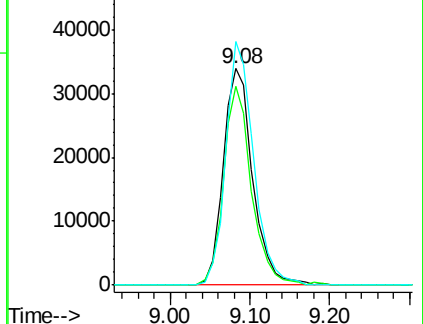
174 112.4 83.0 124.4

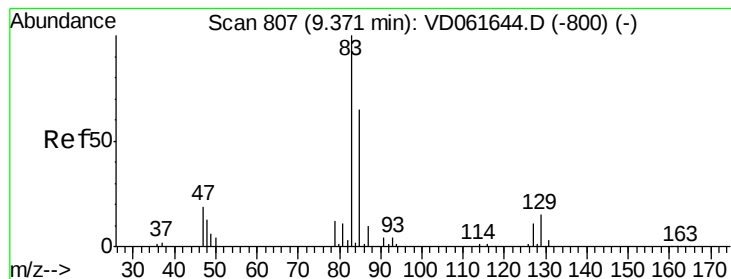


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 20.564 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

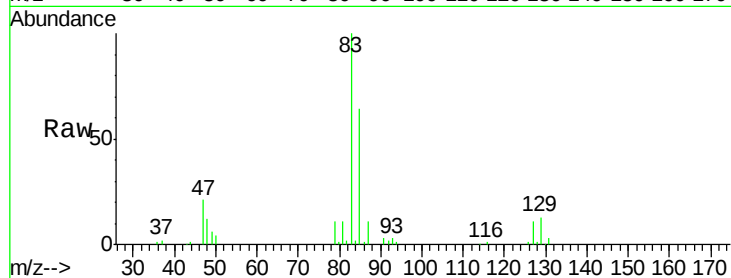
Tgt Ion: 83 Resp: 198091

Ion Ratio Lower Upper

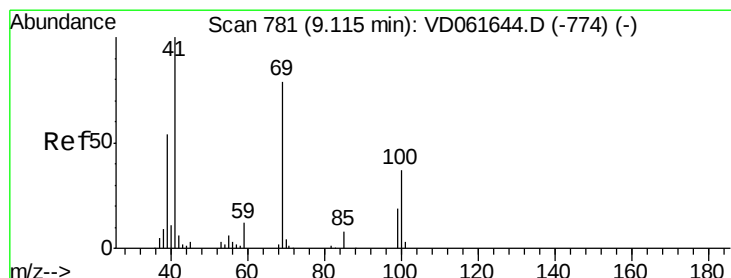
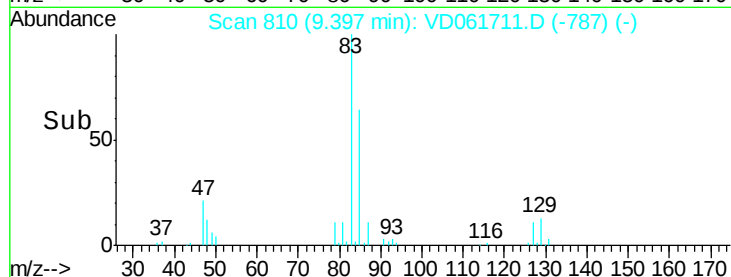
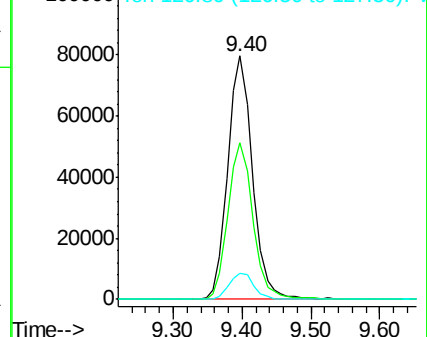
83 100

85 64.4 51.8 77.6

127 10.8 9.0 13.6



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



#48

Methyl methacrylate

Concen: 20.180 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

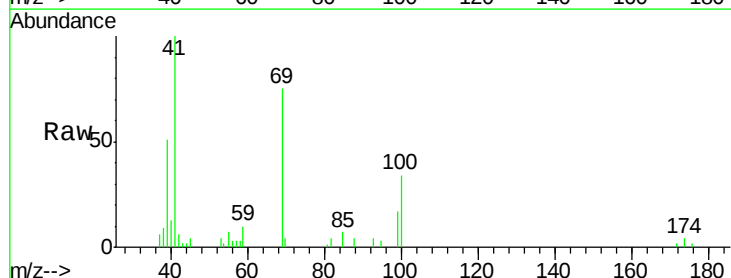
Tgt Ion: 41 Resp: 70532

Ion Ratio Lower Upper

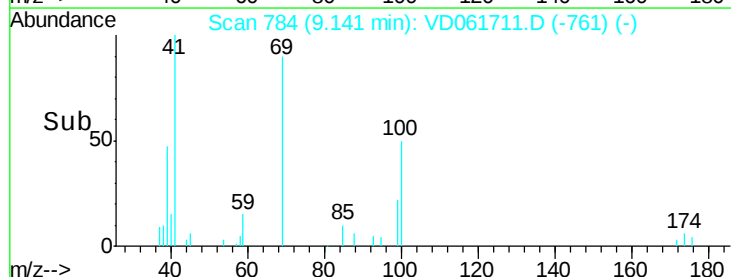
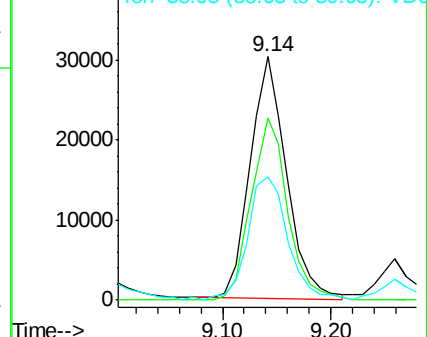
41 100

69 75.0 63.1 94.7

39 50.8 43.8 65.8



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

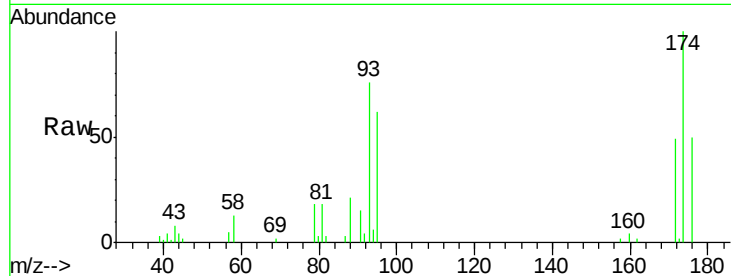




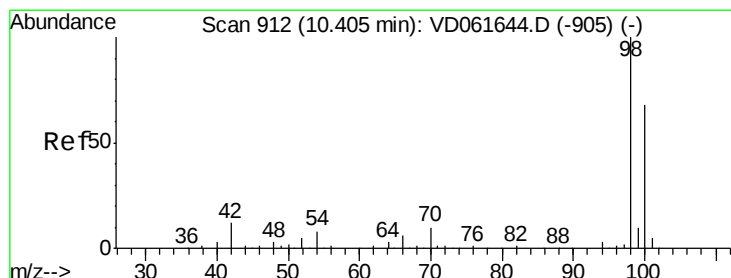
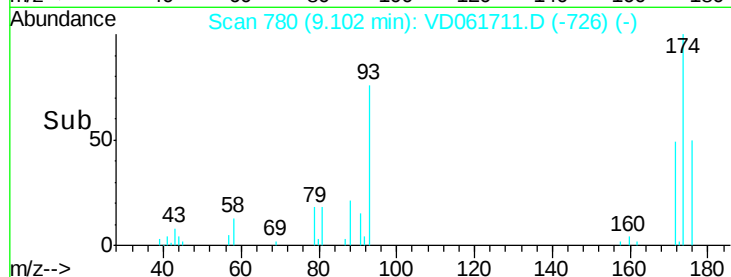
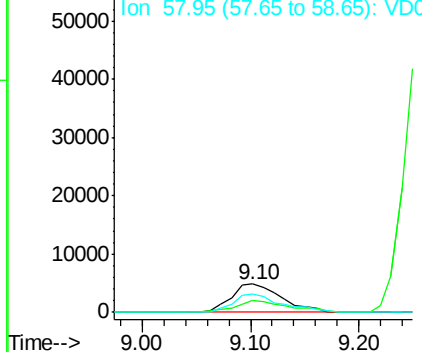
#49
 1,4-Dioxane
 Concen: 405.265 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

Tgt Ion: 88 Resp: 15635
 Ion Ratio Lower Upper
 88 100
 43 39.9 21.8 32.8#
 58 64.9 40.2 60.2#

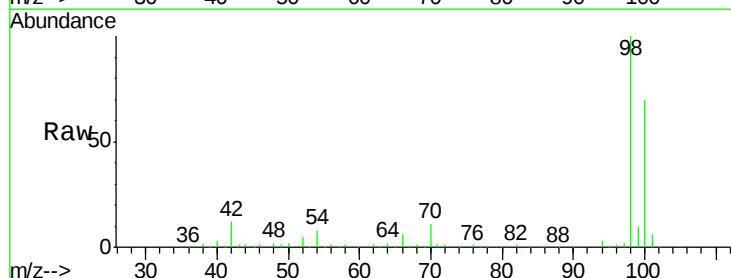


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

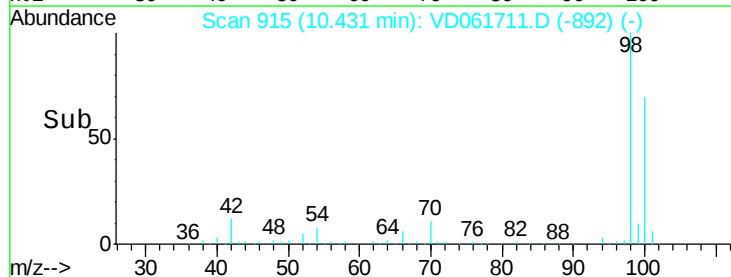
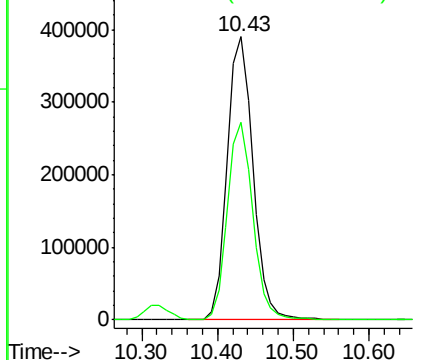


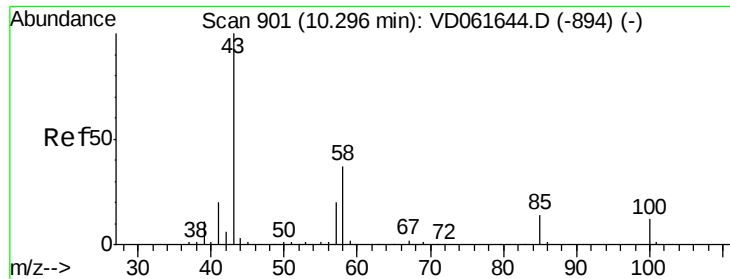
#50
 Toluene-d8
 Concen: 45.195 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 98 Resp: 921968
 Ion Ratio Lower Upper
 98 100
 100 70.0 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 105.945 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

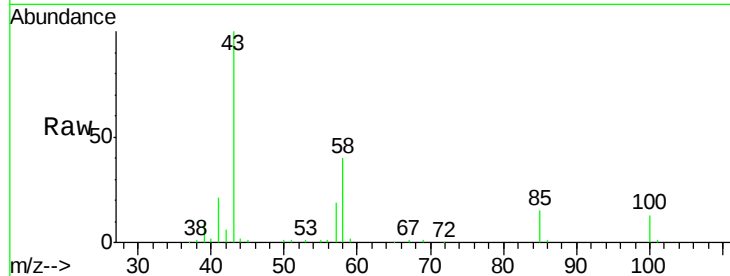
VD0410SBS01

Tgt Ion: 43 Resp: 379908

Ion Ratio Lower Upper

43 100

58 40.0 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

150000

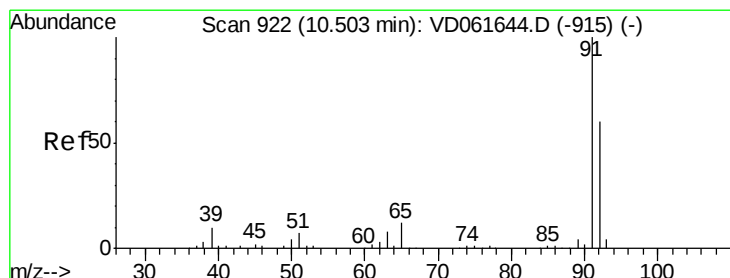
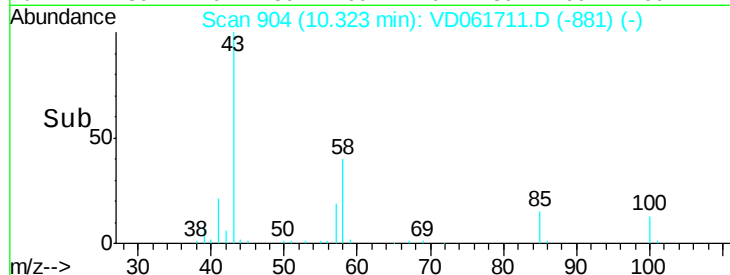
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 19.620 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061711.D

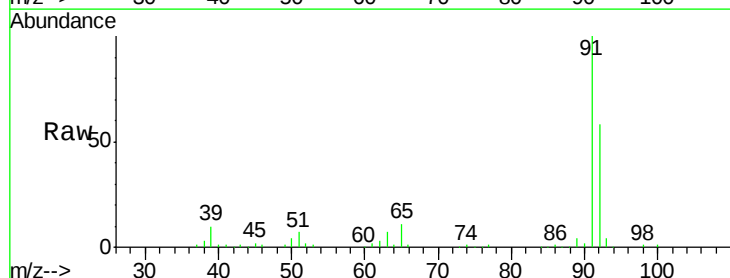
Acq: 10 Apr 2019 14:22

Tgt Ion: 92 Resp: 303178

Ion Ratio Lower Upper

92 100

91 172.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

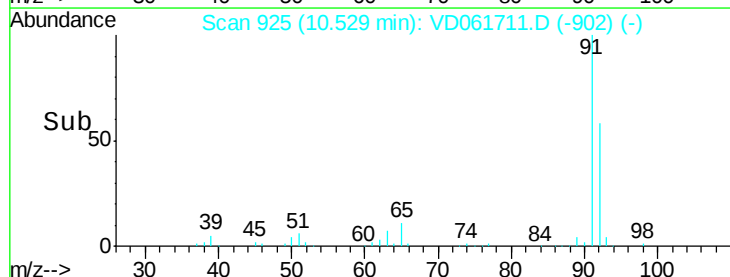
100000

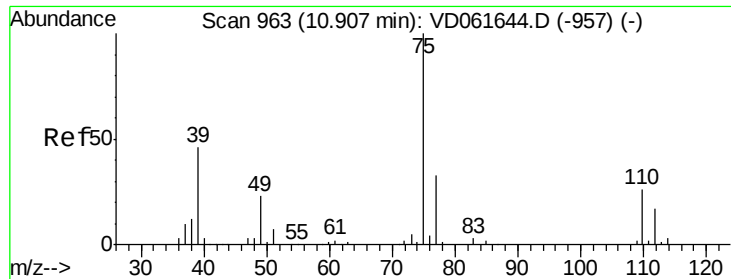
50000

0

Time-->

10.40 10.50 10.60 10.70

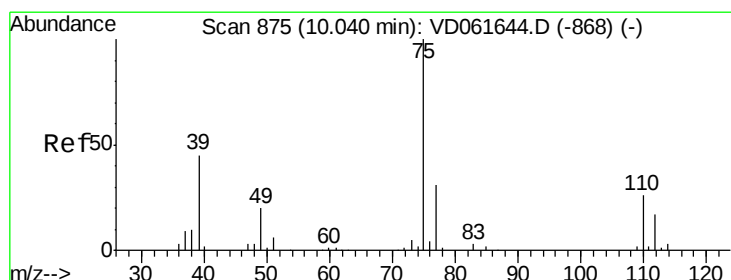
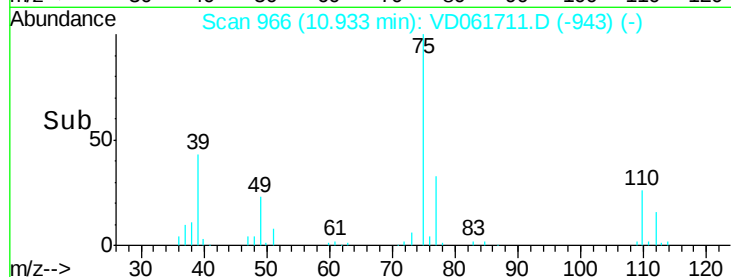
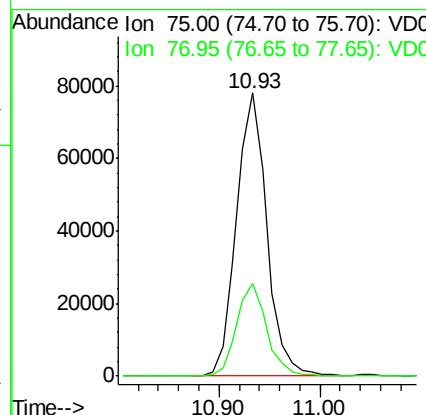
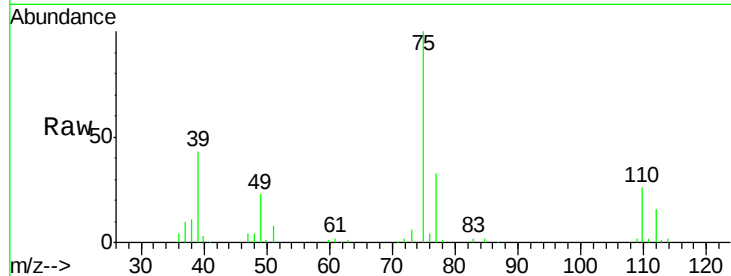




#53
 t-1,3-Dichloropropene
 Concen: 19.341 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

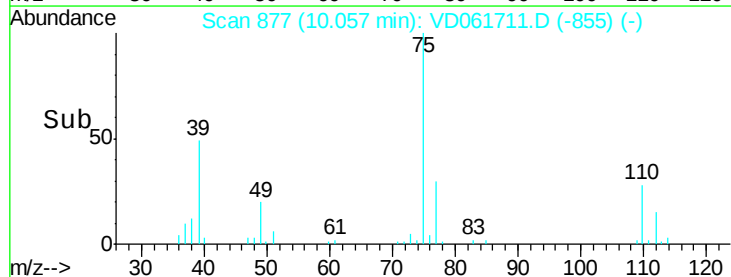
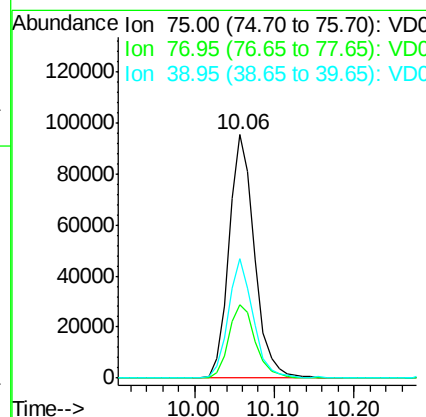
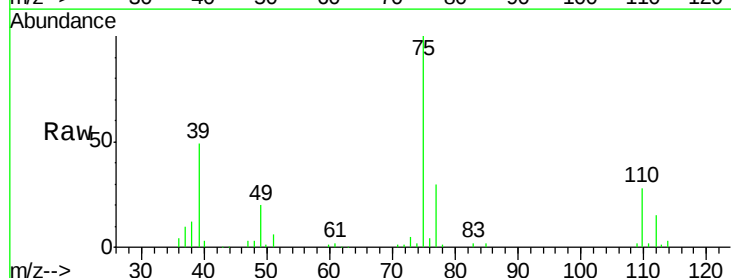
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

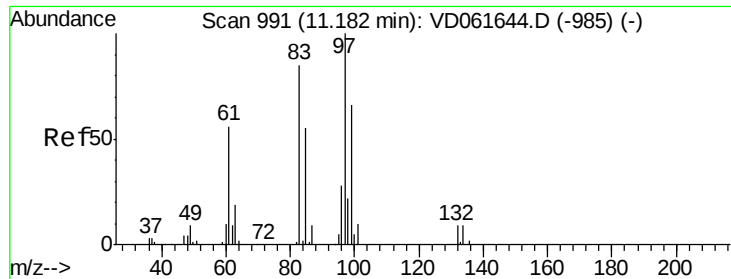
Tgt Ion: 75 Resp: 163316
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.612 ug/l
 RT: 10.06 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 75 Resp: 214548
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.6 37.0
 39 49.0 36.2 54.2

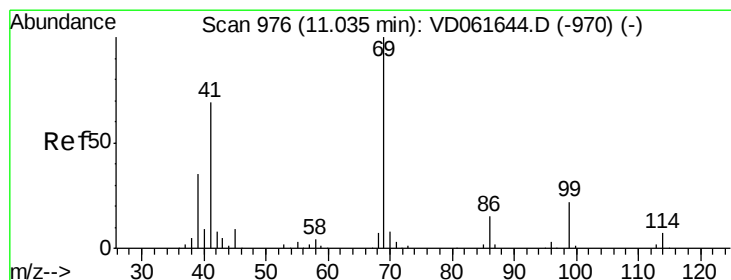
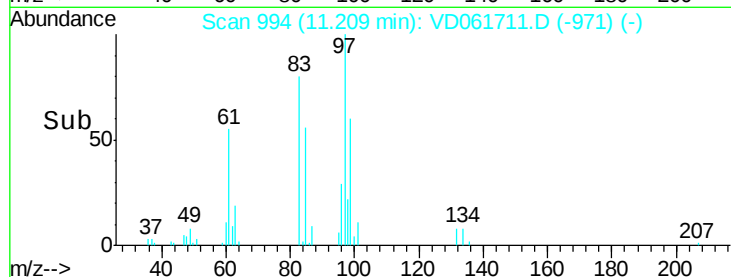
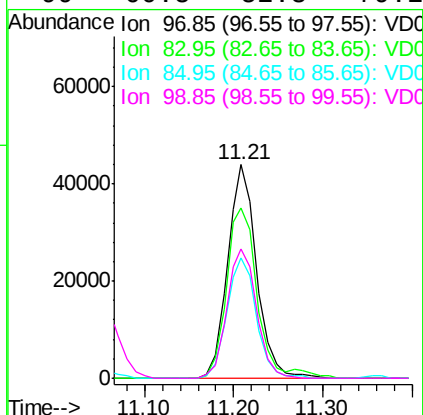
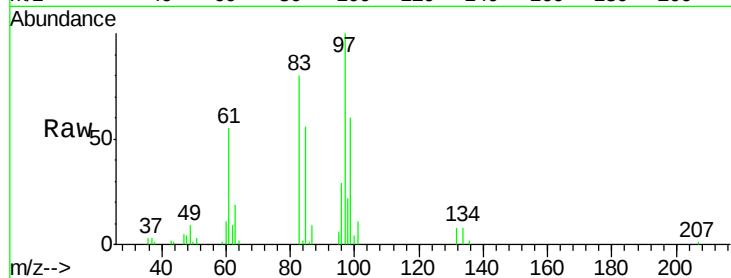




#55
 1,1,2-Trichloroethane
 Concen: 19.147 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

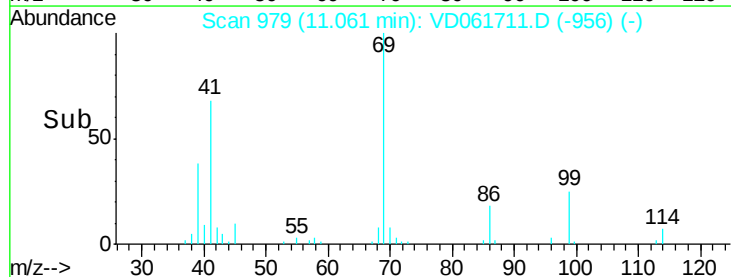
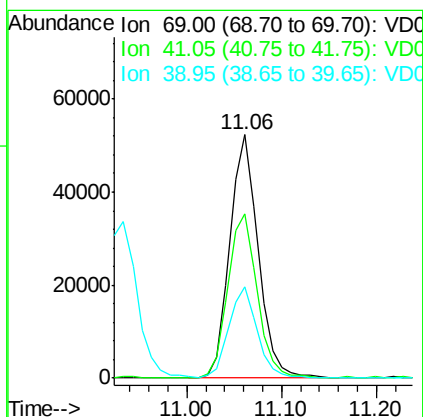
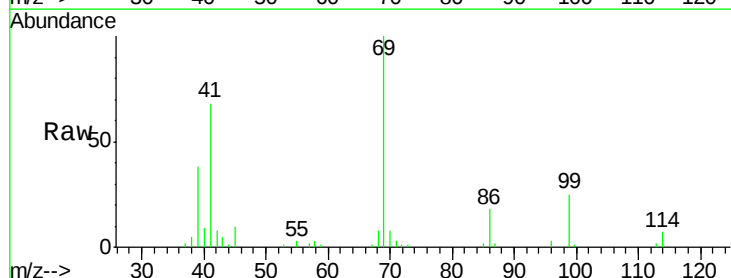
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

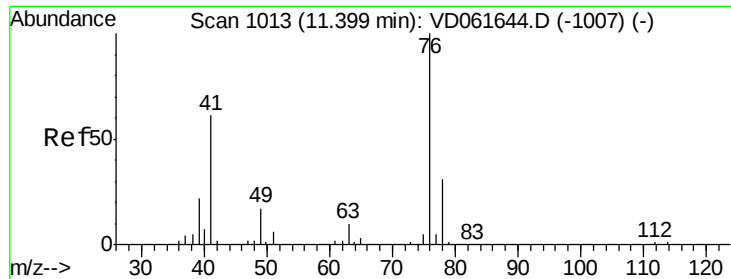
Tgt Ion:	97	Resp:	99789
Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.8	101.6
85	56.4	43.8	65.8
99	60.5	52.8	79.2



#56
 Ethyl methacrylate
 Concen: 19.832 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion:	69	Resp:	109035
Ion	Ratio	Lower	Upper
69	100		
41	67.5	55.2	82.8
39	37.7	28.6	43.0

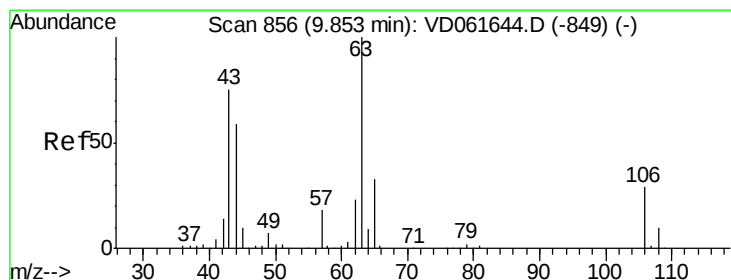
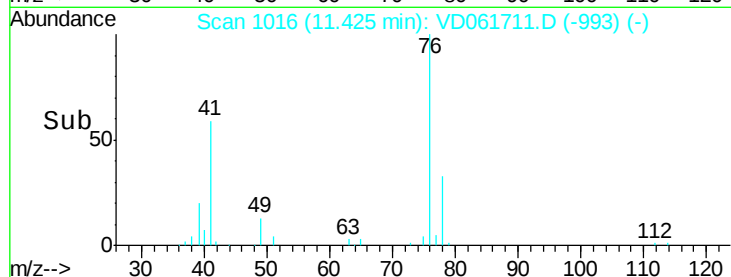
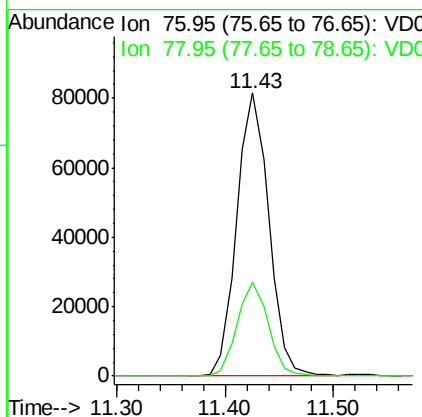
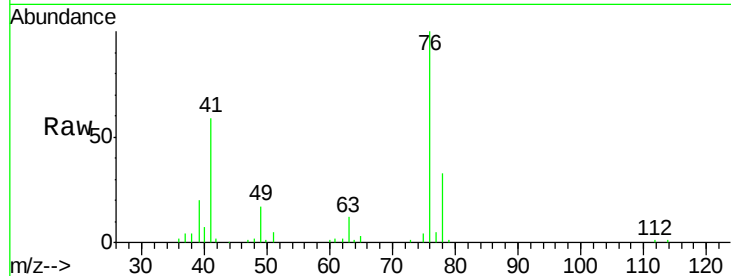




#57
 1,3-Dichloropropane
 Concen: 22.050 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

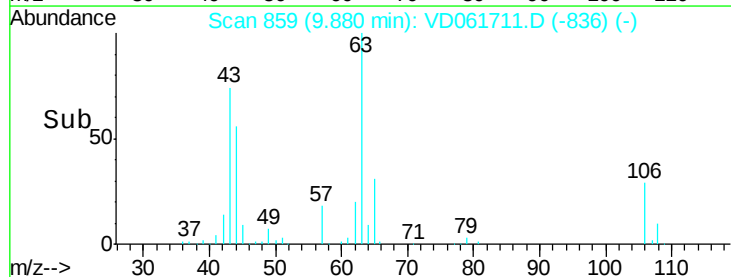
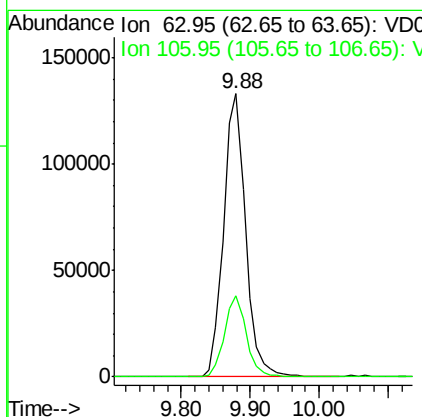
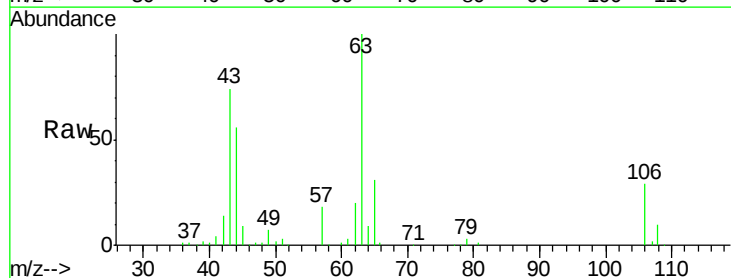
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD01

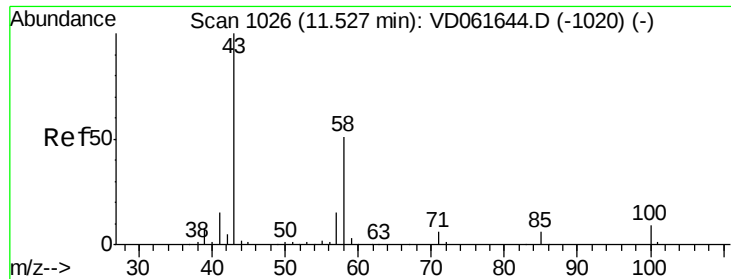
Tgt Ion: 76 Resp: 168288
 Ion Ratio Lower Upper
 76 100
 78 33.2 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.736 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 63 Resp: 295048
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6

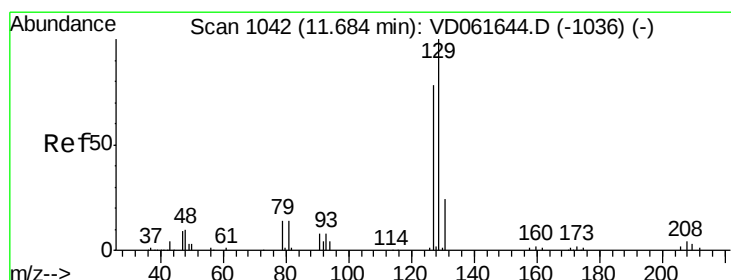
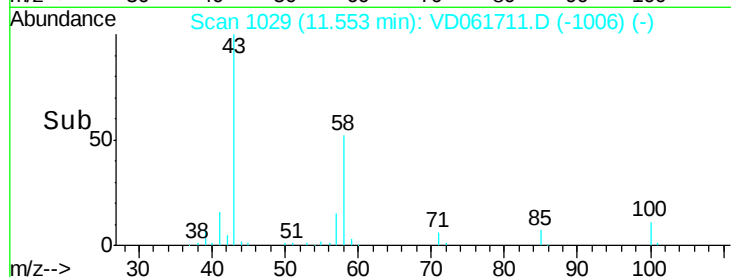
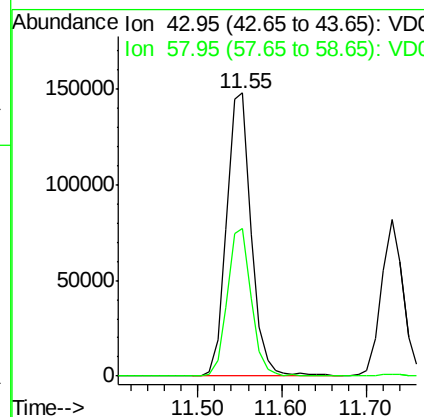
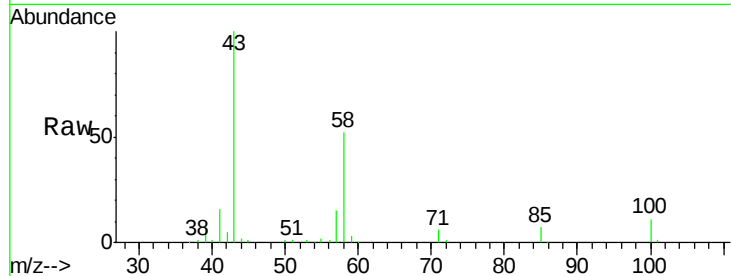




#59
2-Hexanone
Concen: 108.187 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

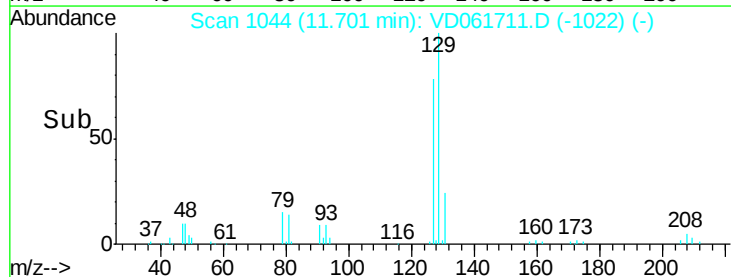
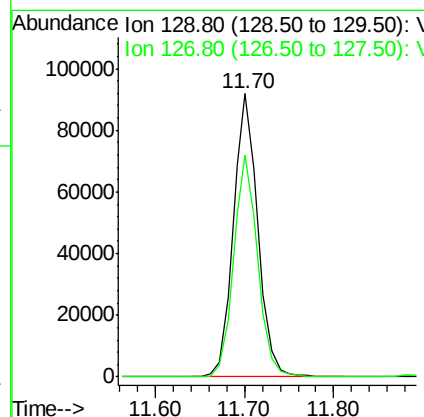
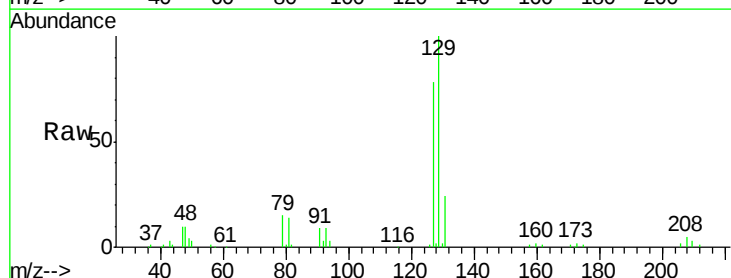
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD01

Tgt Ion: 43 Resp: 301081
Ion Ratio Lower Upper
43 100
58 52.2 25.6 76.8



#60
Dibromochloromethane
Concen: 21.520 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Tgt Ion: 129 Resp: 177196
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.510 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

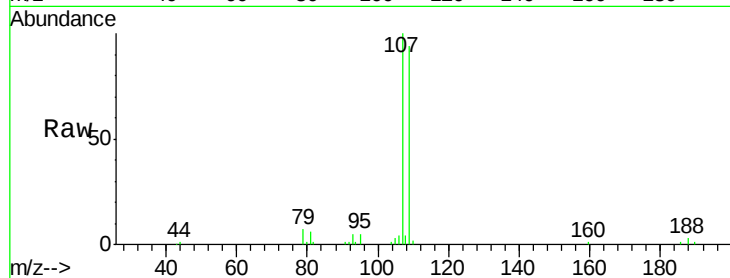
VD0410SBS01

Tgt Ion: 107 Resp: 131097

Ion Ratio Lower Upper

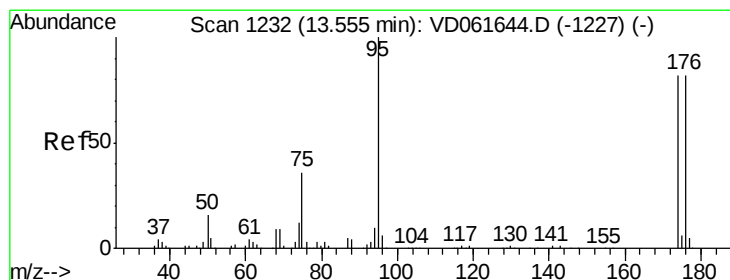
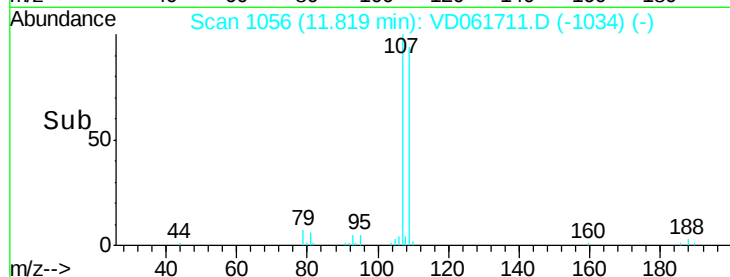
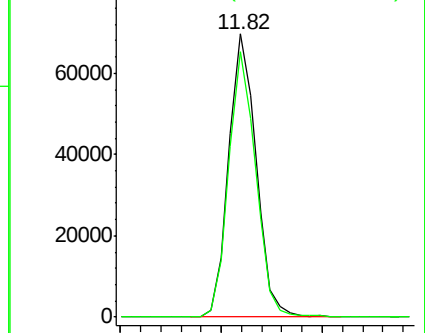
107 100

109 93.9 79.2 118.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.616 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

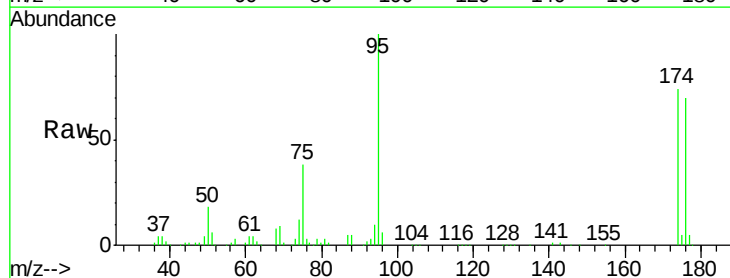
Tgt Ion: 95 Resp: 362024

Ion Ratio Lower Upper

95 100

174 73.8 0.0 164.6

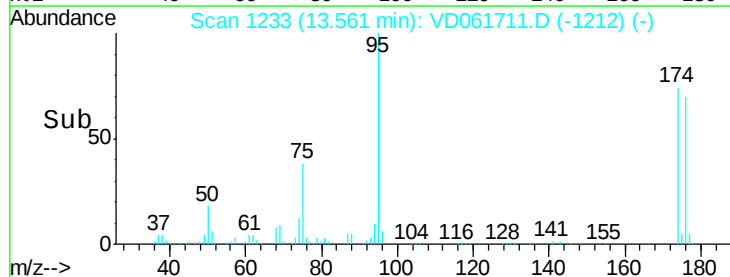
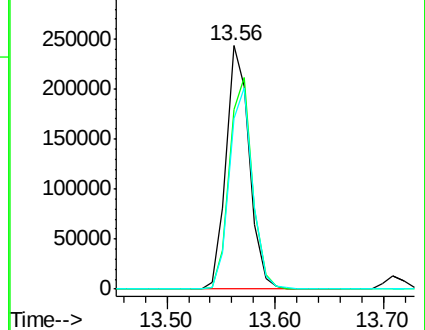
176 69.9 0.0 165.0

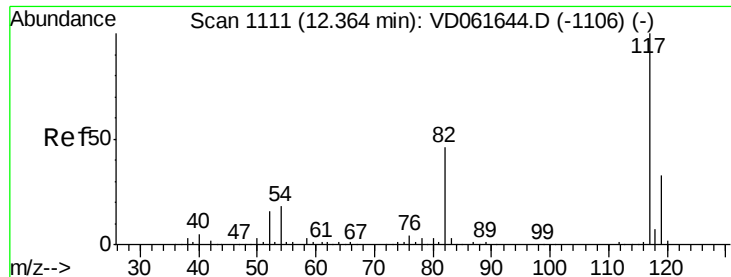


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

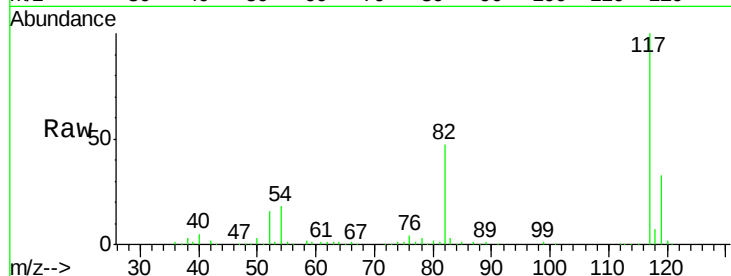




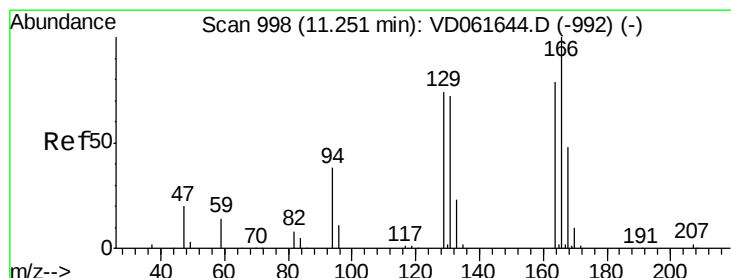
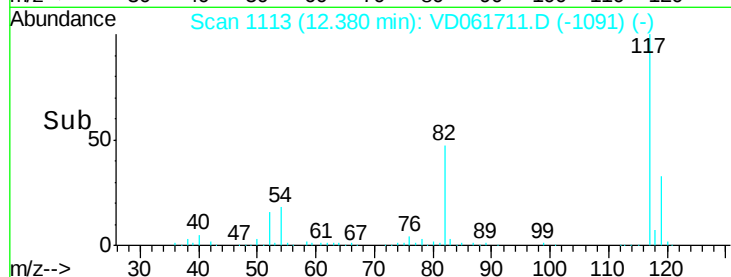
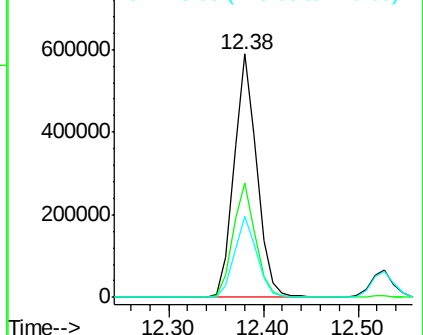
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD01

Tgt Ion:117 Resp: 977777
Ion Ratio Lower Upper
117 100
82 46.8 36.8 55.2
119 33.4 26.1 39.1

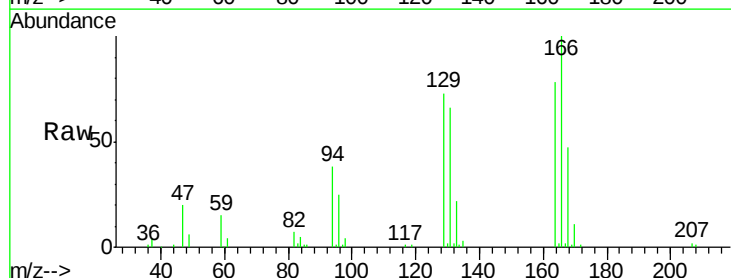


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

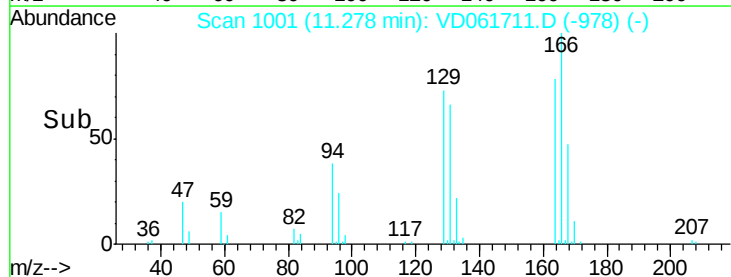
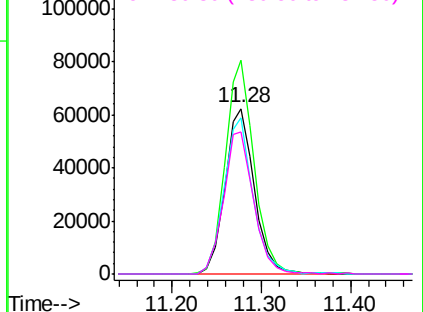


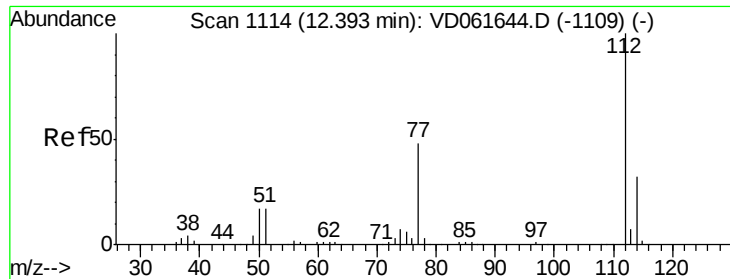
#64
Tetrachloroethene
Concen: 18.861 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Tgt Ion:164 Resp: 143150
Ion Ratio Lower Upper
164 100
166 129.0 101.8 152.8
129 94.2 75.4 113.0
131 85.8 73.6 110.4



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

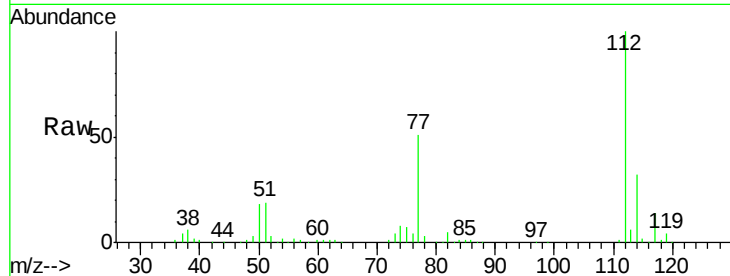




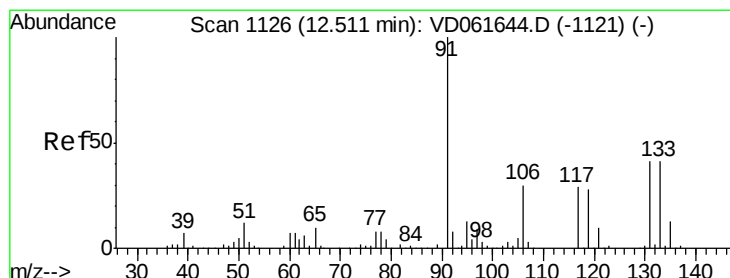
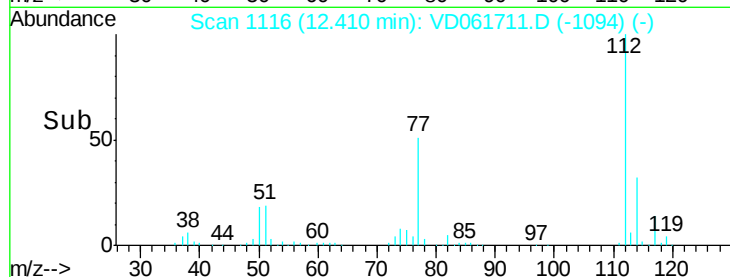
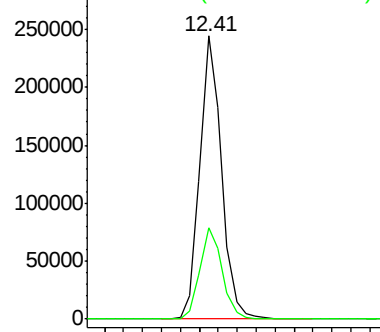
#65
Chlorobenzene
Concen: 19.952 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD01

Tgt Ion:112 Resp: 386882
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

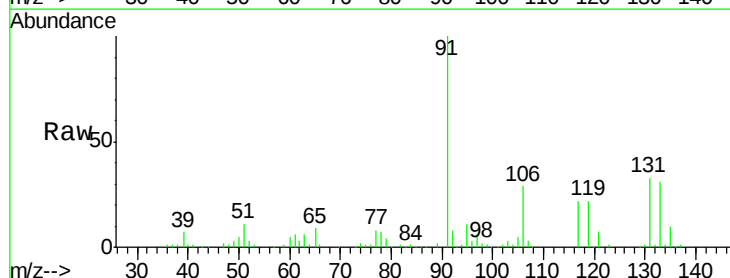


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

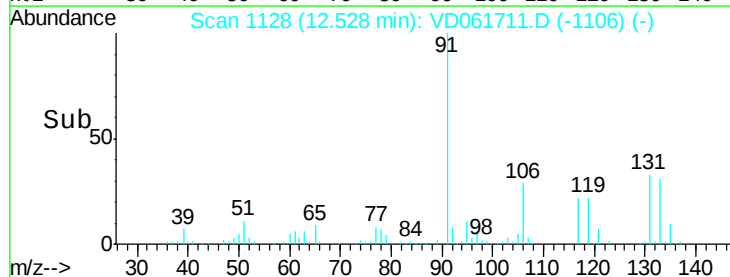
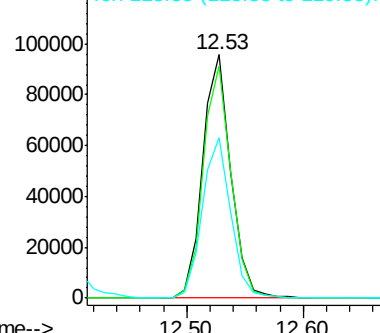


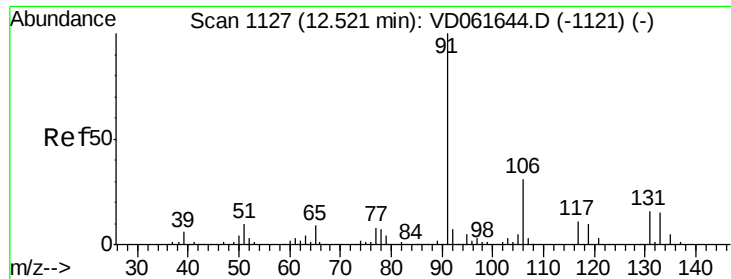
#66
1,1,1,2-Tetrachloroethane
Concen: 21.391 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Tgt Ion:131 Resp: 159609
Ion Ratio Lower Upper
131 100
133 95.1 49.5 148.3
119 65.8 34.7 104.1



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

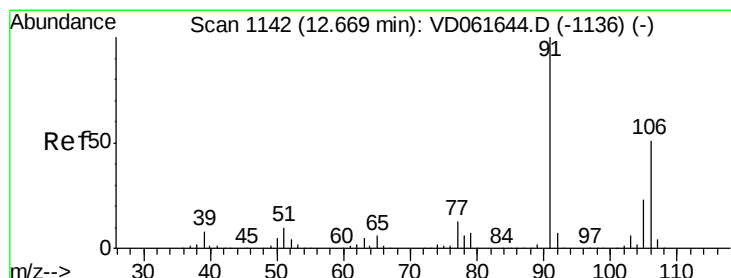
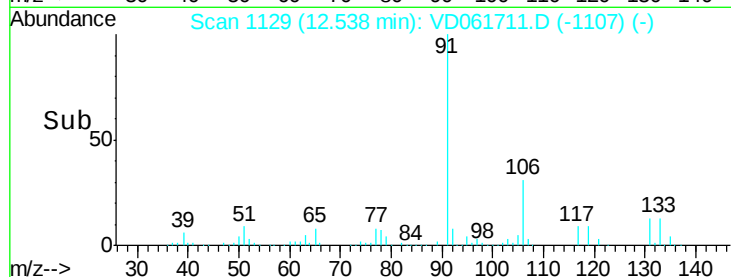
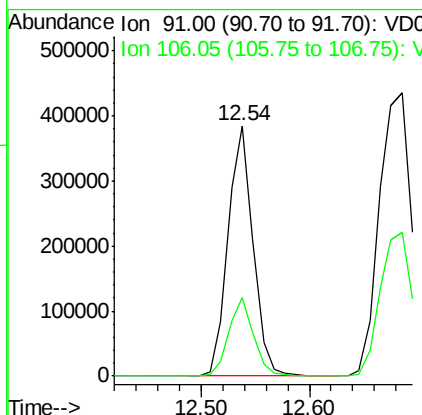
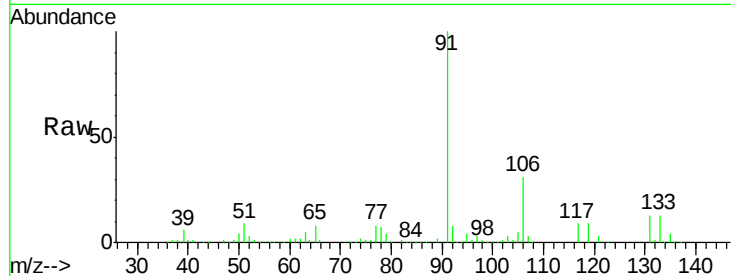




#67
Ethyl Benzene
Concen: 21.032 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

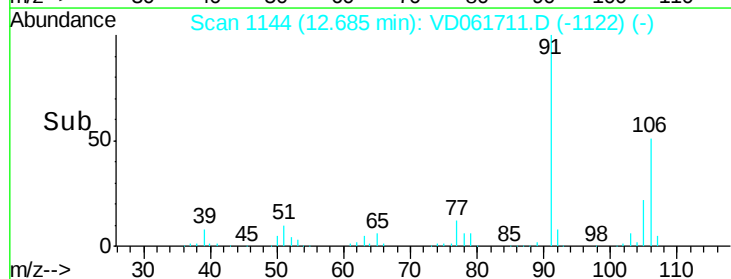
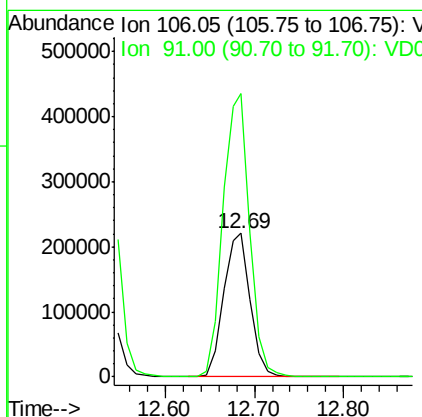
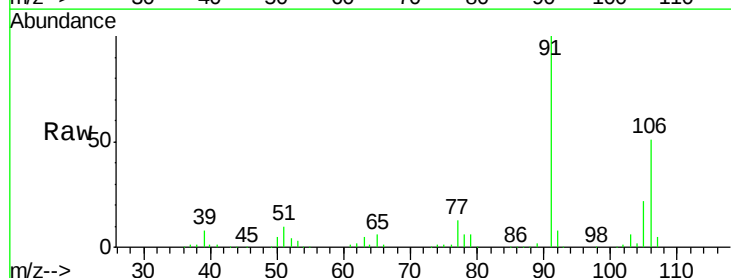
Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS01

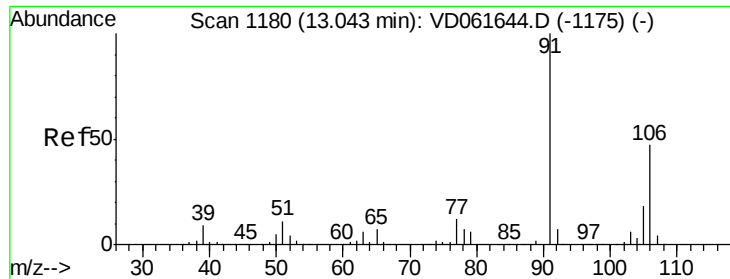
Tgt Ion: 91 Resp: 621020
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0



#68
m/p-Xylenes
Concen: 40.378 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Tgt Ion: 106 Resp: 459646
Ion Ratio Lower Upper
106 100
91 197.1 156.7 235.1

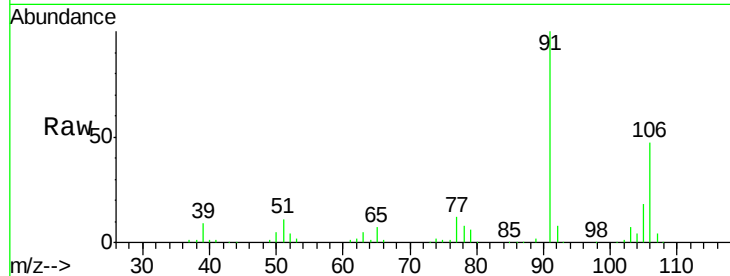




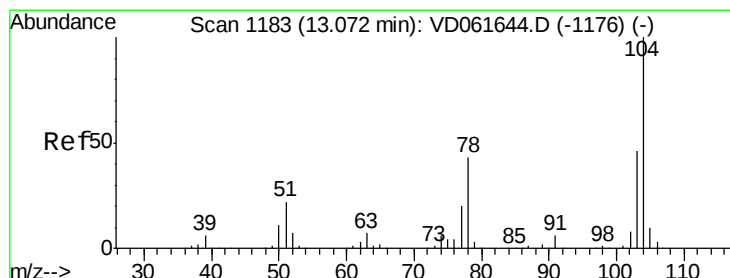
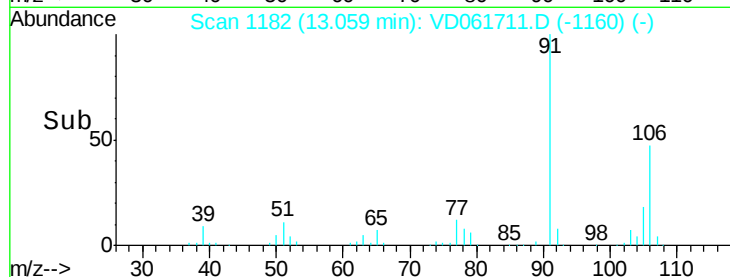
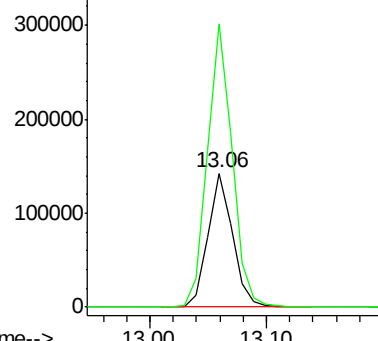
#69
o-Xylene
Concen: 18.984 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBSD01

Tgt Ion:106 Resp: 208607
Ion Ratio Lower Upper
106 100
91 211.7 107.3 321.9

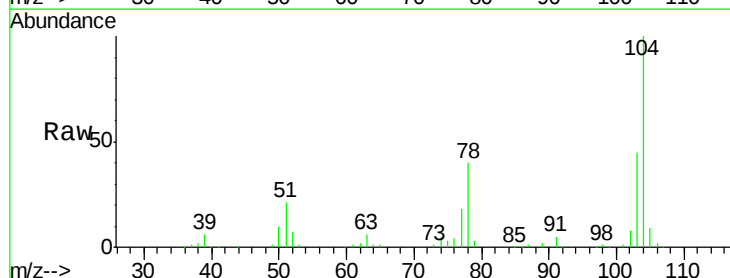


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

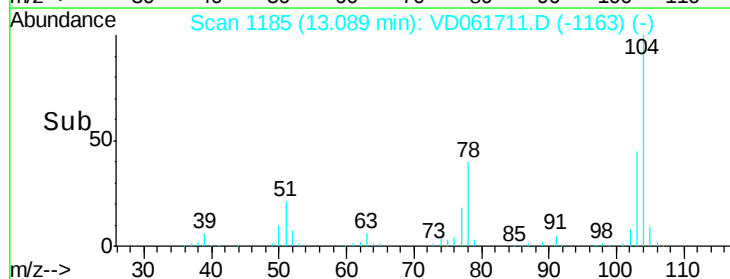
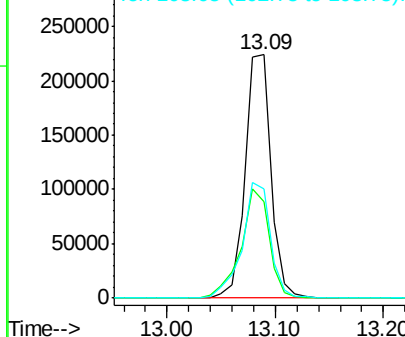


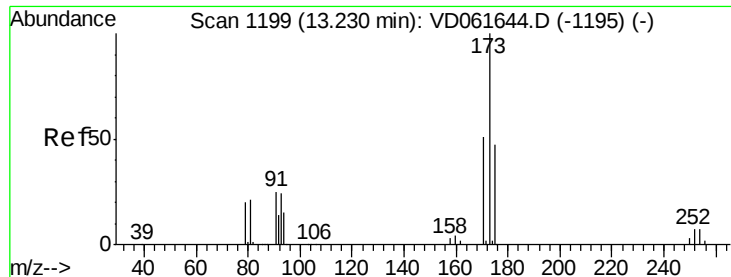
#70
Styrene
Concen: 19.775 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Tgt Ion:104 Resp: 371101
Ion Ratio Lower Upper
104 100
78 39.9 34.2 51.4
103 44.8 37.2 55.8



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: 20.612 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

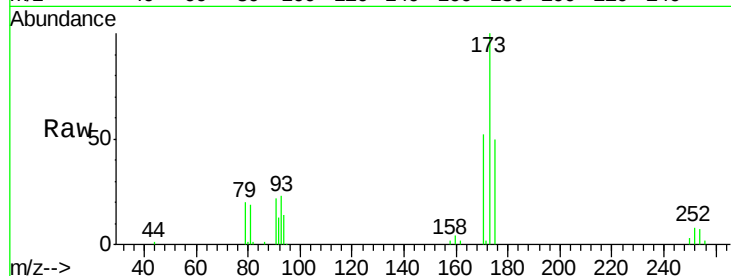
Tgt Ion:173 Resp: 95425

Ion Ratio Lower Upper

173 100

175 50.0 23.7 71.1

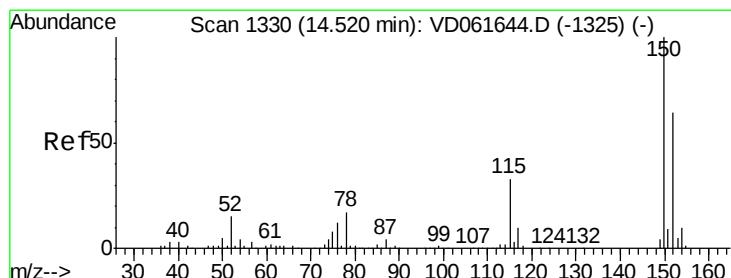
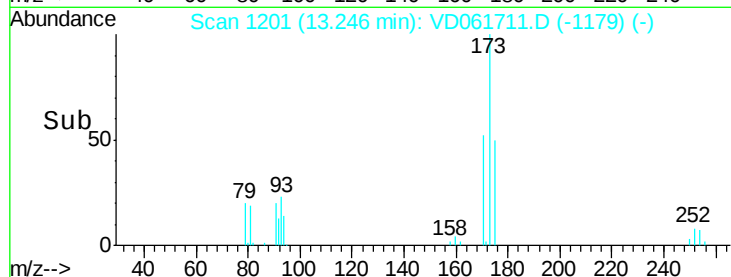
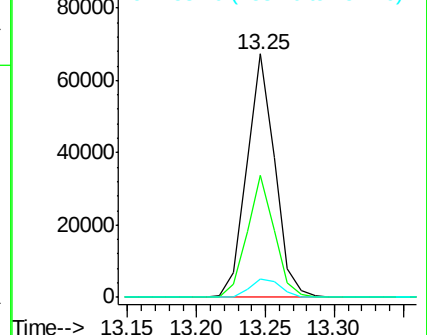
254 7.4 5.8 8.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

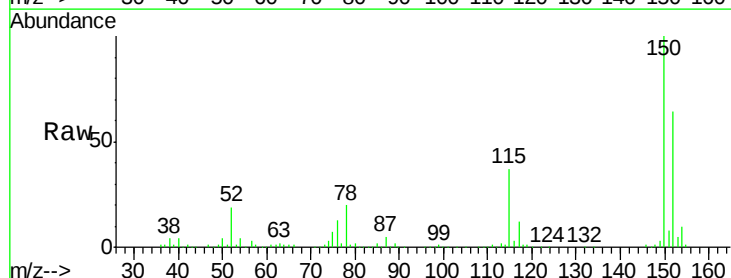
Tgt Ion:152 Resp: 446905

Ion Ratio Lower Upper

152 100

115 57.8 26.4 79.2

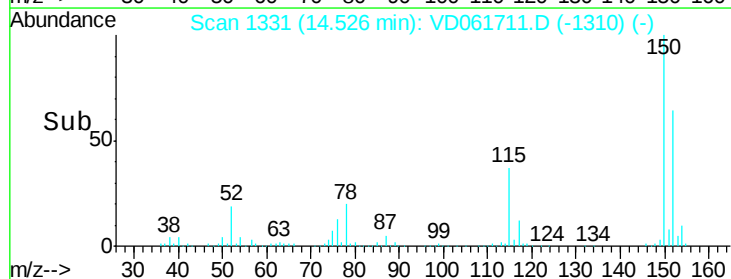
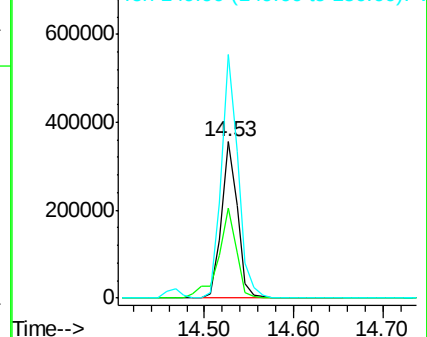
150 155.9 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.733 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

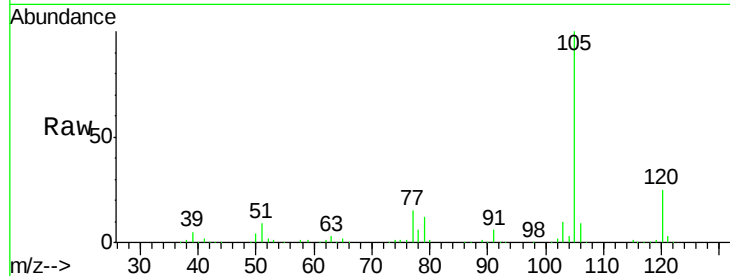
VD0410SBSD01

Tgt Ion:105 Resp: 587591

Ion Ratio Lower Upper

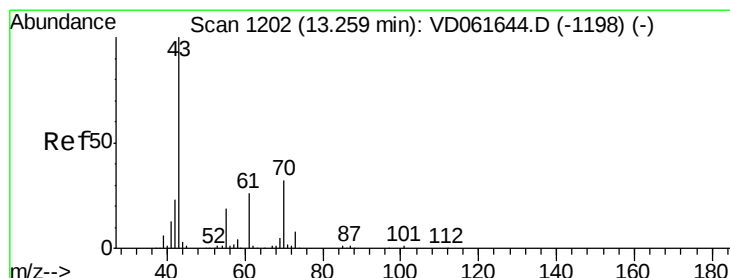
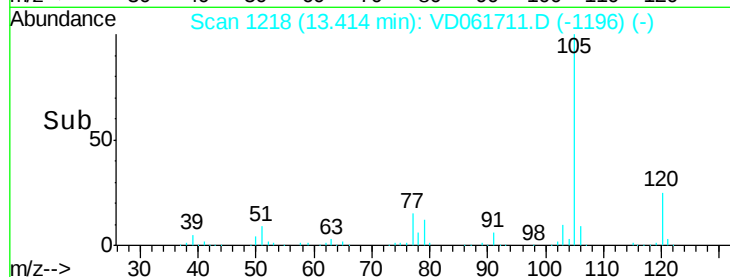
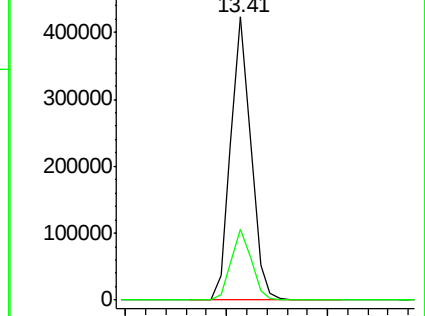
105 100

120 24.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.396 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Tgt Ion: 43 Resp: 165020

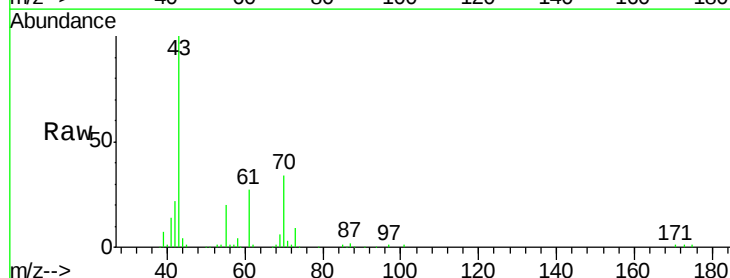
Ion Ratio Lower Upper

43 100

70 34.4 25.4 38.2

55 19.6 15.0 22.4

61 26.7 20.9 31.3

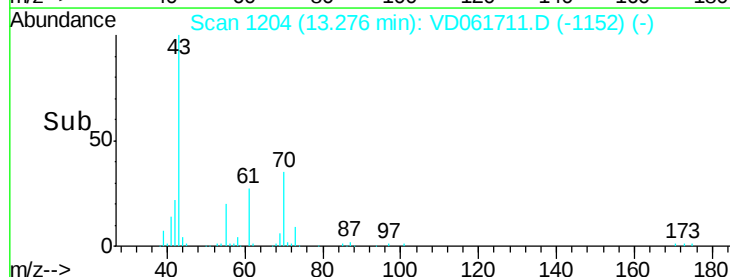
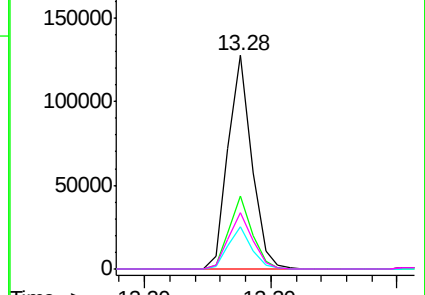


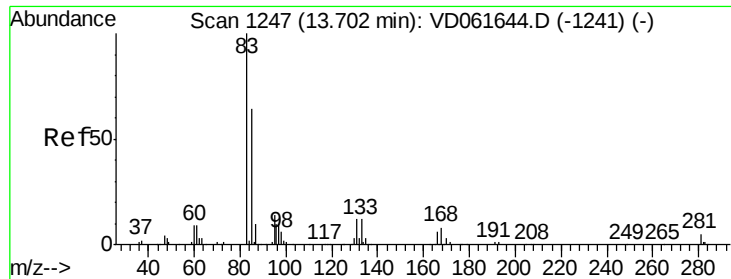
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.618 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

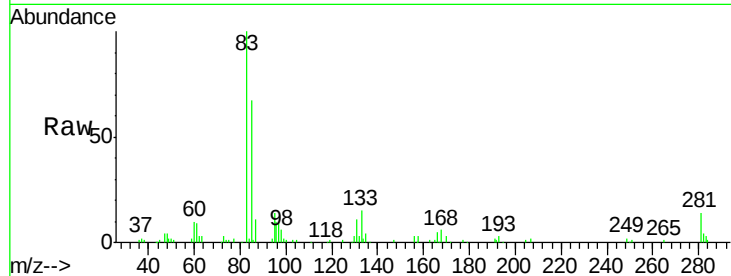
Tgt Ion: 83 Resp: 120788

Ion Ratio Lower Upper

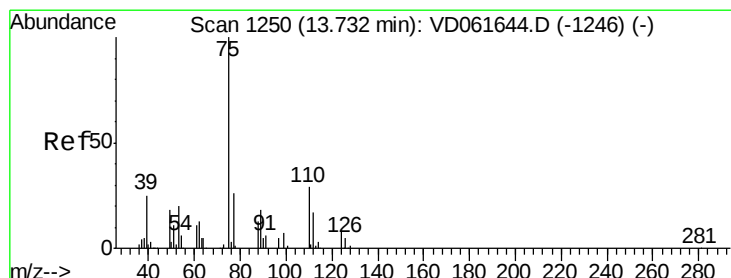
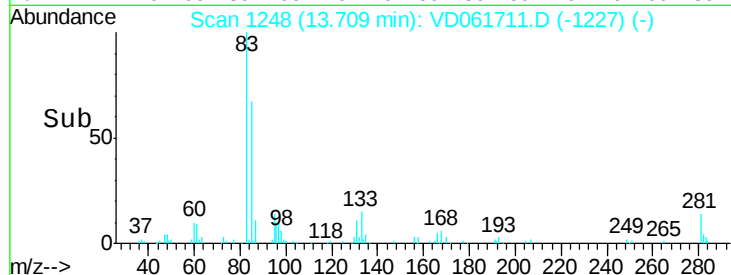
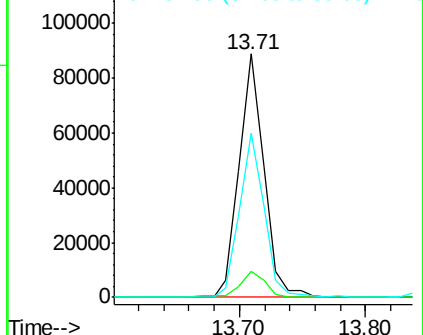
83 100

131 10.6 5.9 17.6

85 67.5 32.0 96.2



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: 19.637 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061711.D

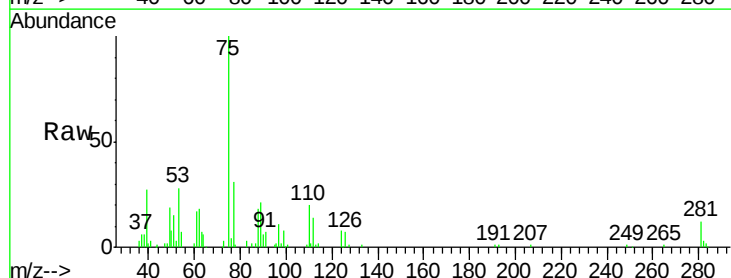
Acq: 10 Apr 2019 14:22

Tgt Ion: 75 Resp: 119399

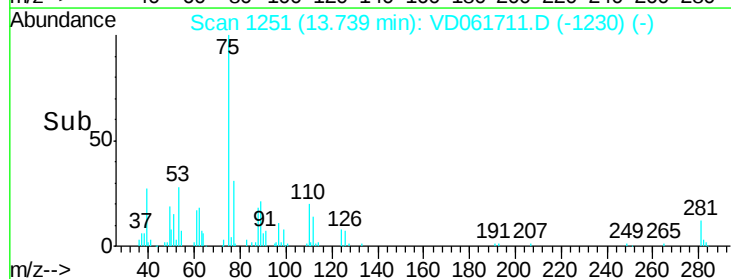
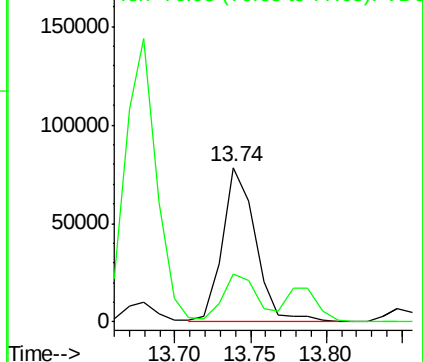
Ion Ratio Lower Upper

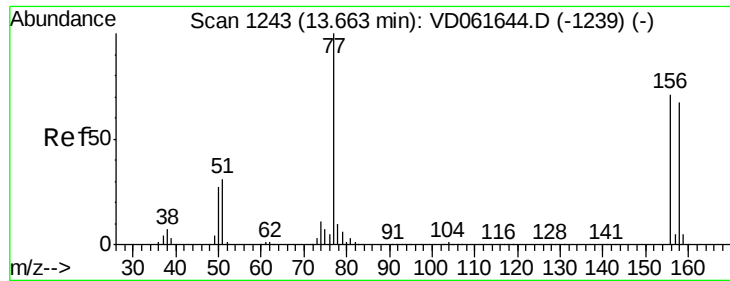
75 100

77 31.0 15.7 47.1



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





#77

Bromobenzene

Concen: 19.506 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

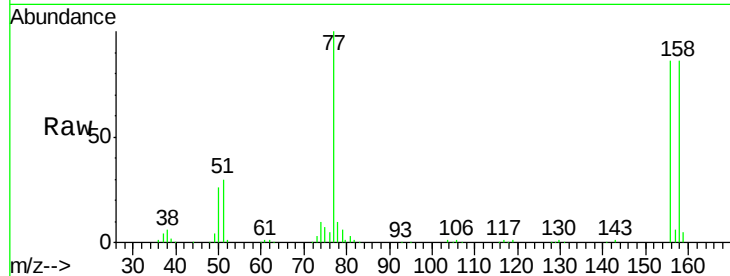
Tgt Ion: 156 Resp: 168601

Ion Ratio Lower Upper

156 100

77 116.5 70.3 210.8

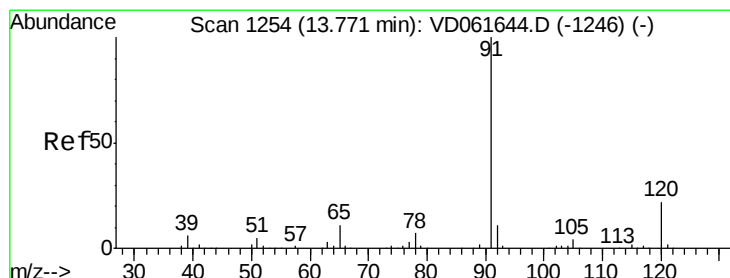
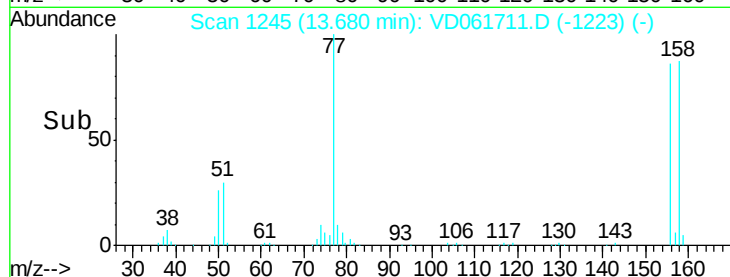
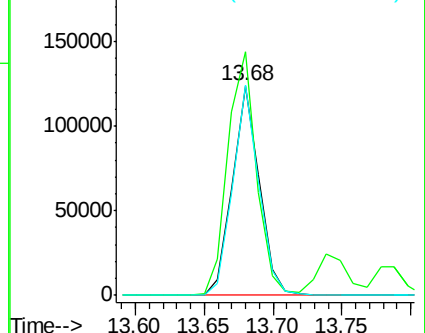
158 100.4 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.364 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061711.D

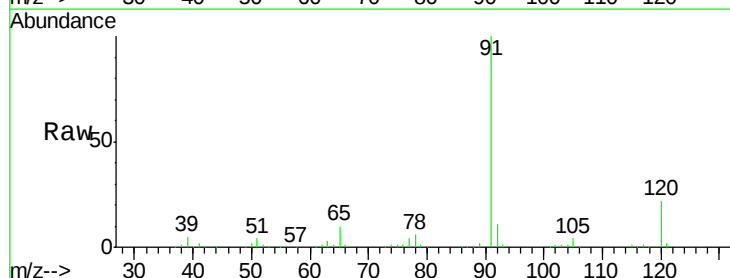
Acq: 10 Apr 2019 14:22

Tgt Ion: 91 Resp: 725382

Ion Ratio Lower Upper

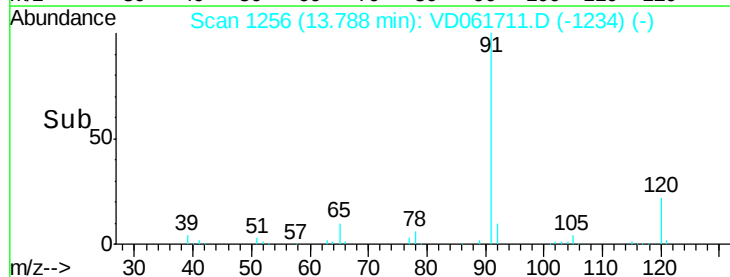
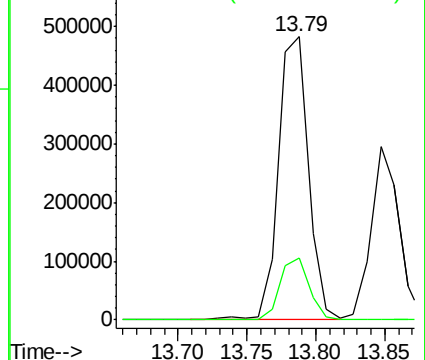
91 100

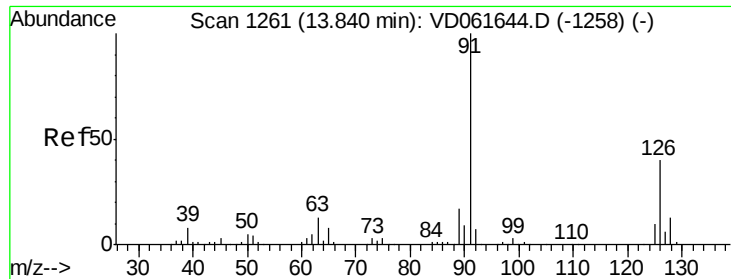
120 22.1 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

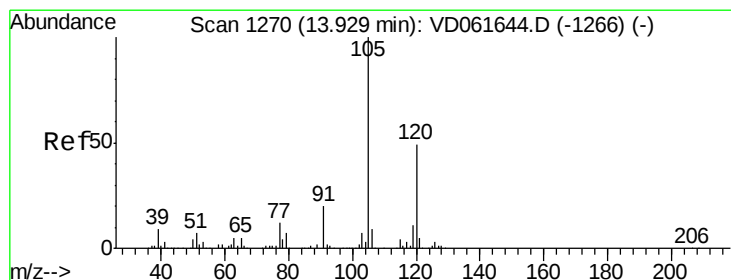
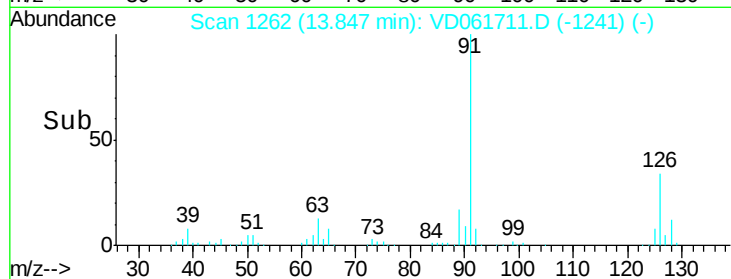
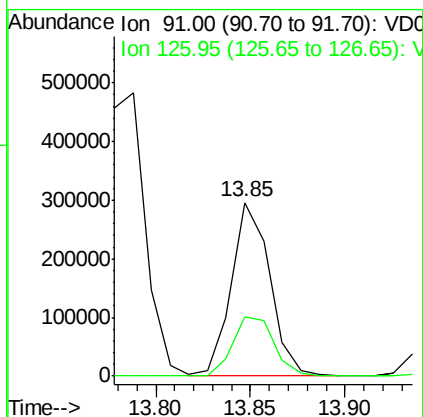
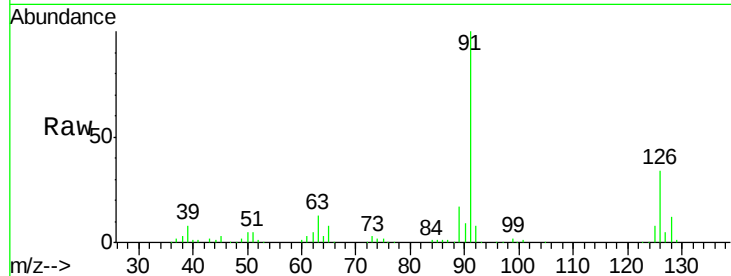




#79
 2-Chlorotoluene
 Concen: 20.329 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

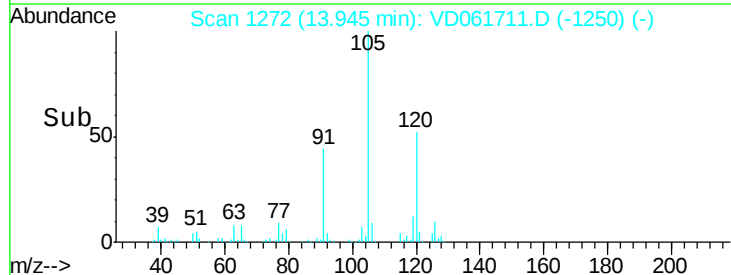
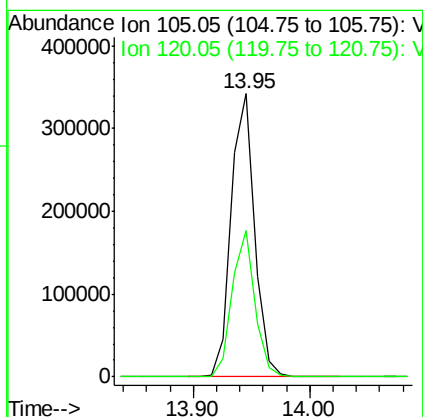
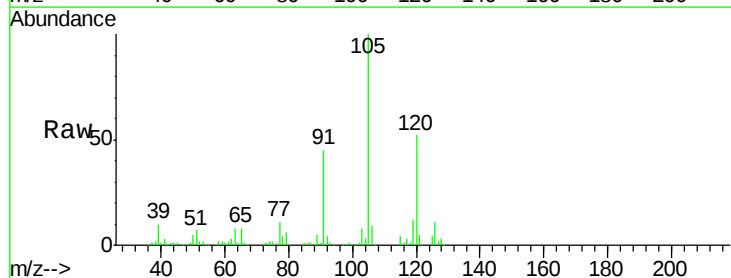
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

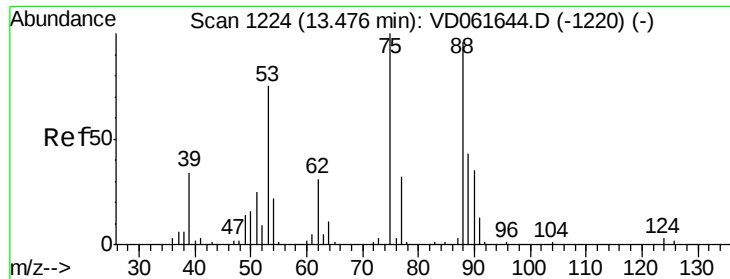
Tgt Ion: 91 Resp: 414101
 Ion Ratio Lower Upper
 91 100
 126 34.0 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.144 ug/l
 RT: 13.95 min Scan# 1272
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 105 Resp: 476093
 Ion Ratio Lower Upper
 105 100
 120 51.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.977 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBSD01

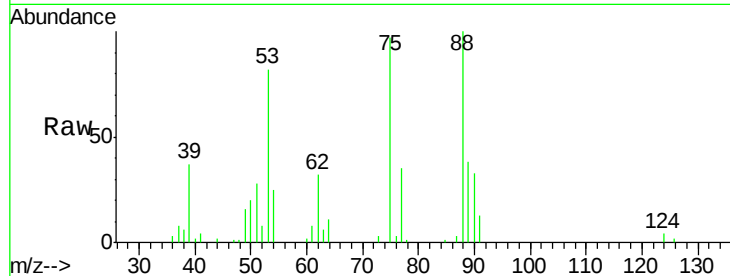
Tgt Ion: 75 Resp: 35014

Ion Ratio Lower Upper

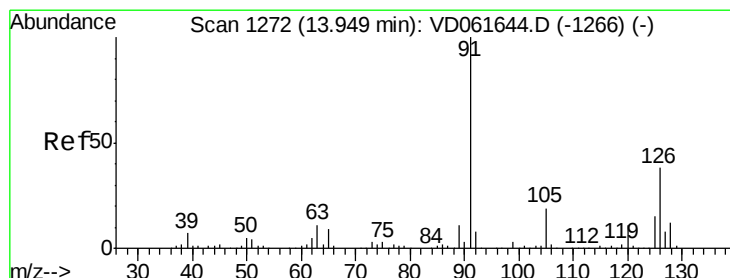
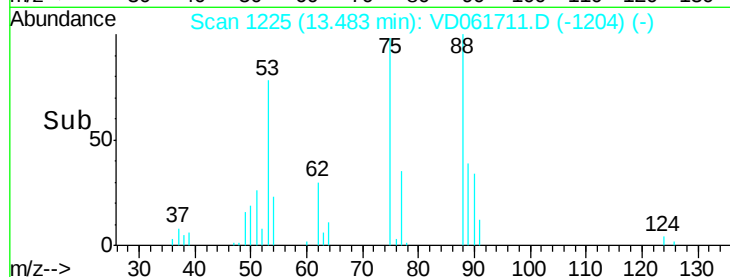
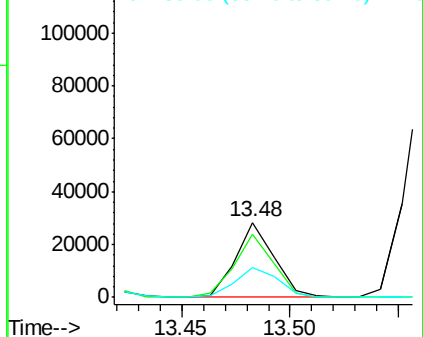
75 100

53 83.7 60.2 90.2

89 39.4 34.2 51.2



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



#82

4-Chlorotoluene

Concen: 19.827 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061711.D

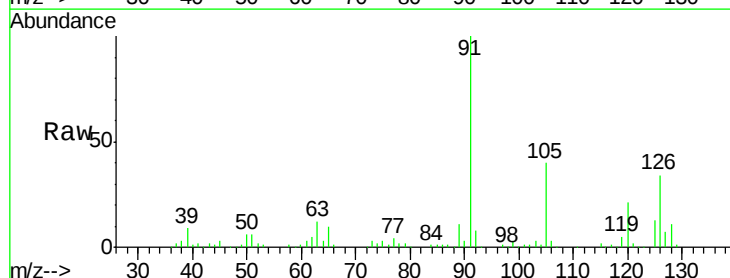
Acq: 10 Apr 2019 14:22

Tgt Ion: 91 Resp: 442559

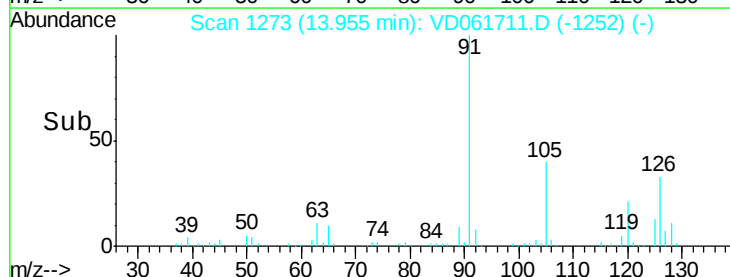
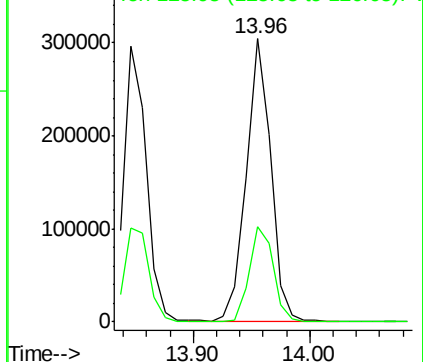
Ion Ratio Lower Upper

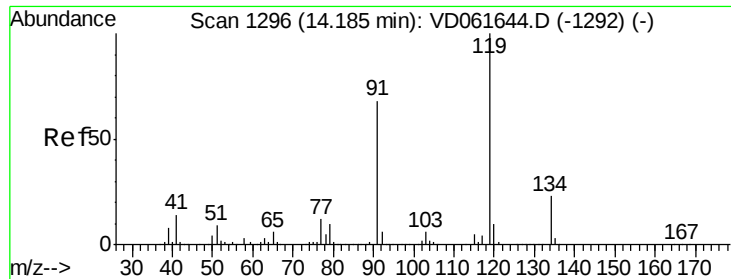
91 100

126 33.5 19.0 57.0



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

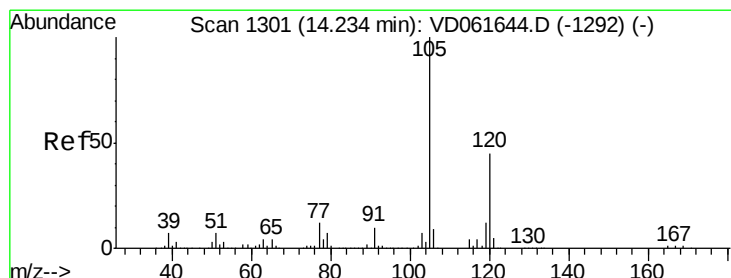
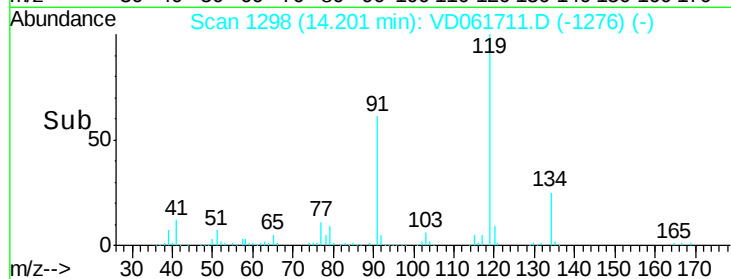
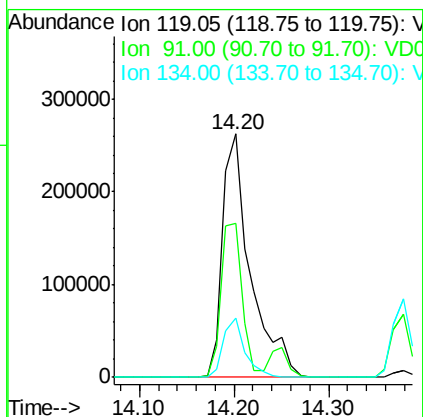
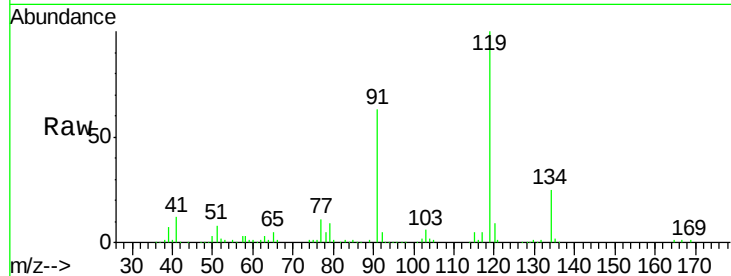




#83
 tert-Butylbenzene
 Concen: 18.867 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

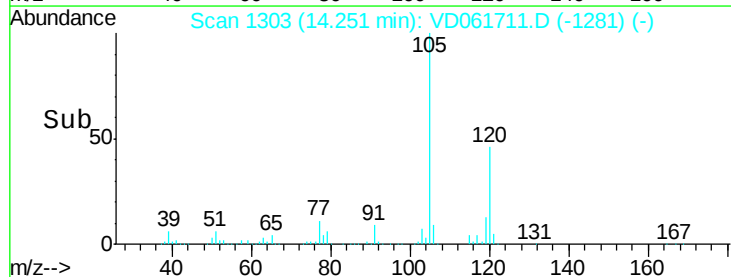
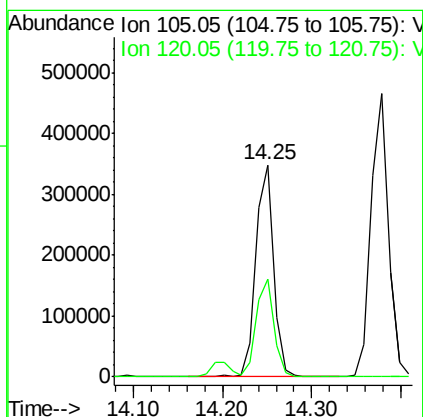
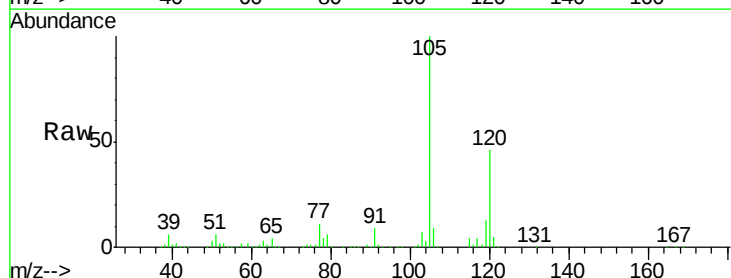
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

Tgt Ion:119 Resp: 537648
 Ion Ratio Lower Upper
 119 100
 91 63.2 33.9 101.6
 134 24.5 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.965 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion:105 Resp: 476236
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.6 67.8

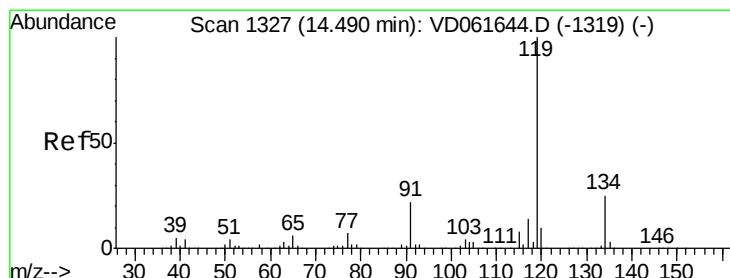
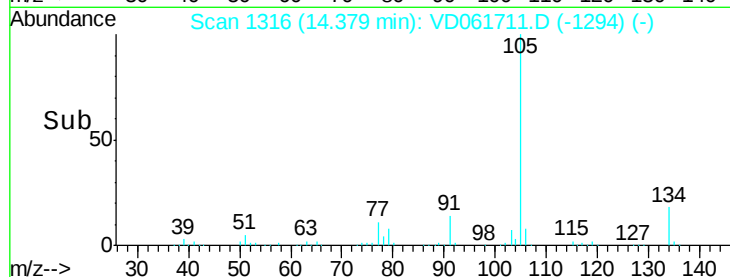
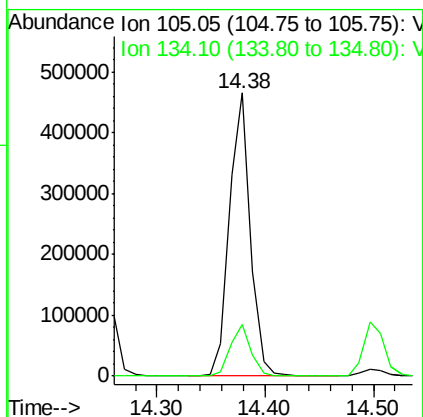
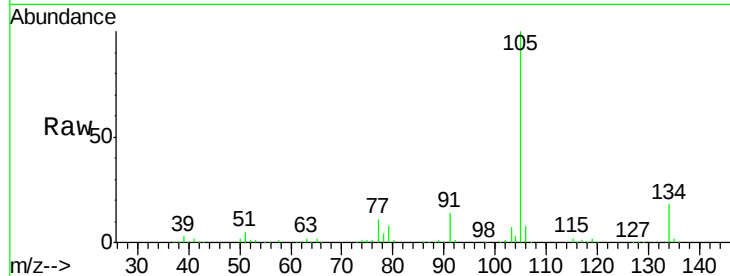




#85
 sec-Butylbenzene
 Concen: 20.200 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

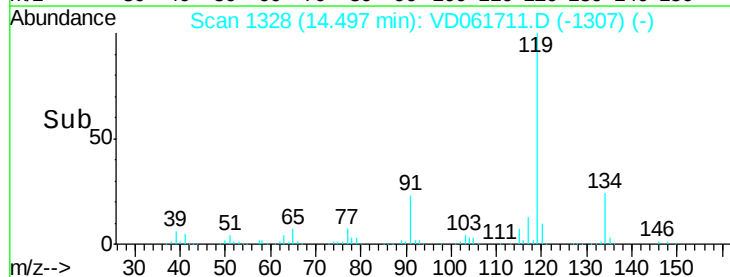
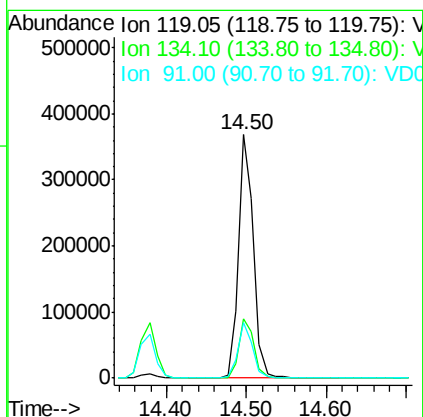
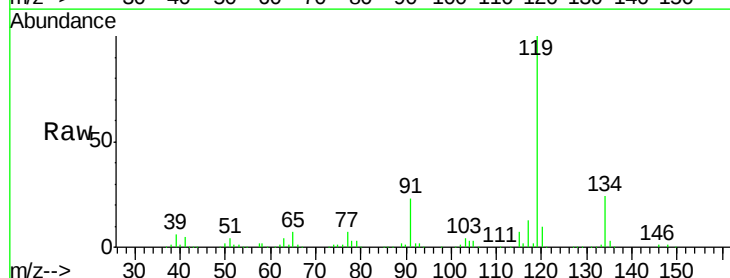
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0410SBSD01

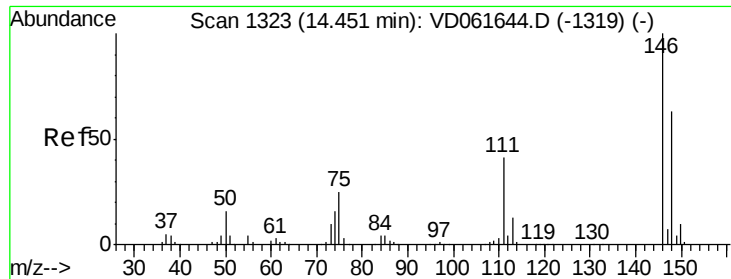
Tgt Ion:105 Resp: 621930
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 17.999 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion:119 Resp: 480731
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.5 37.5
 91 22.6 11.0 33.0

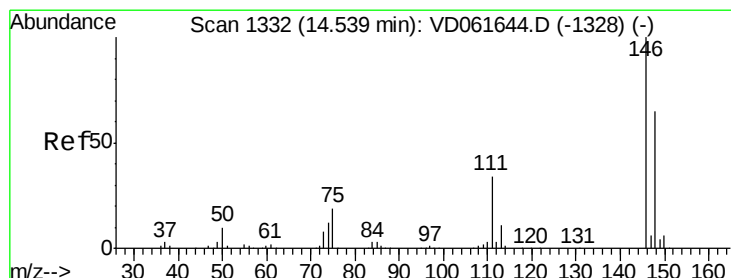
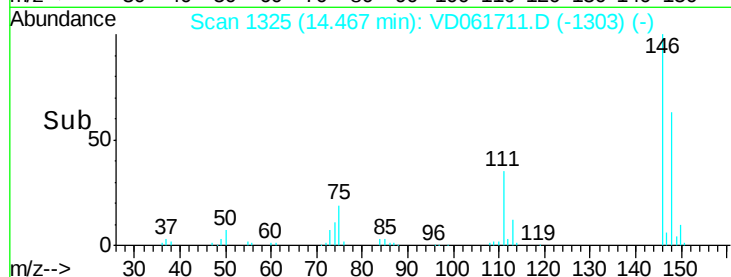
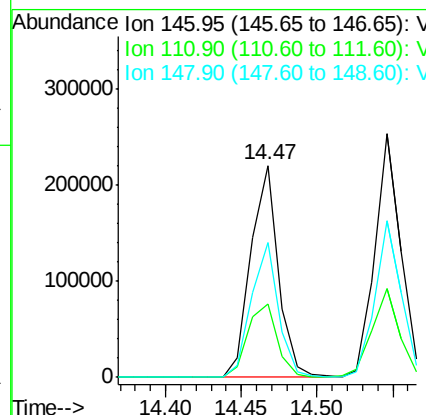
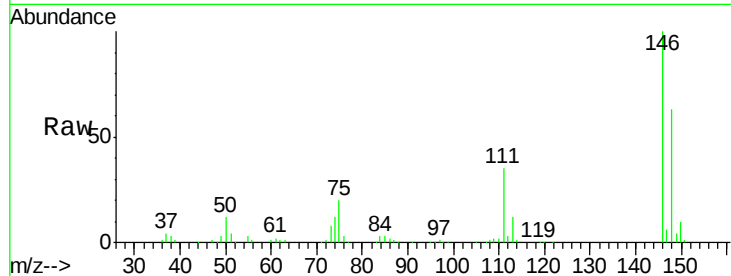




#87
 1,3-Dichlorobenzene
 Concen: 18.789 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

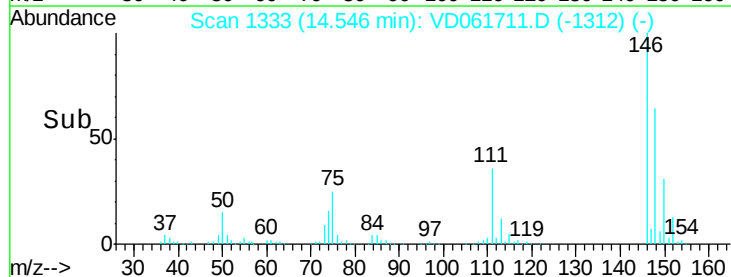
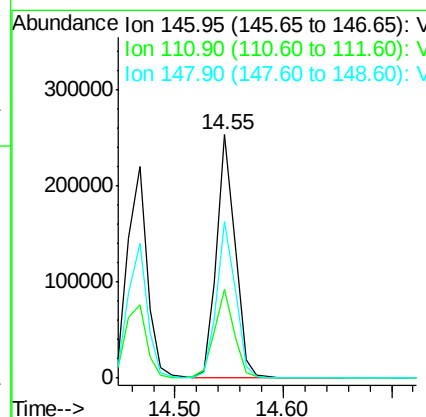
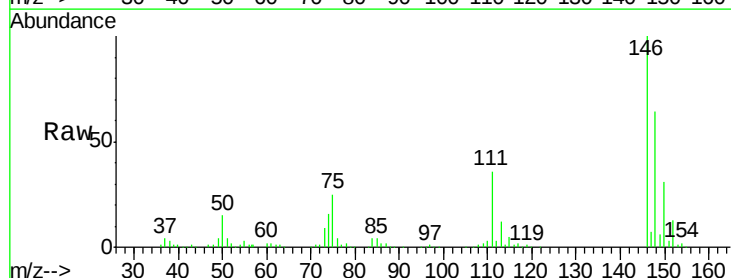
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD01

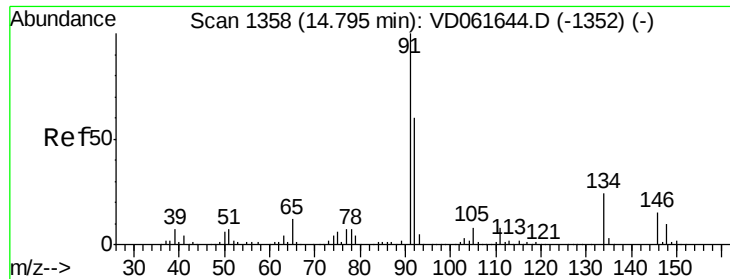
Tgt Ion:146 Resp: 279489
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.3 61.0
 148 63.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 20.410 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion:146 Resp: 306339
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.1 51.2
 148 64.2 32.6 97.7





#89

n-Butylbenzene

Concen: 20.255 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :

MSVOA_D

ClientSampleId :

VD0410SBS01

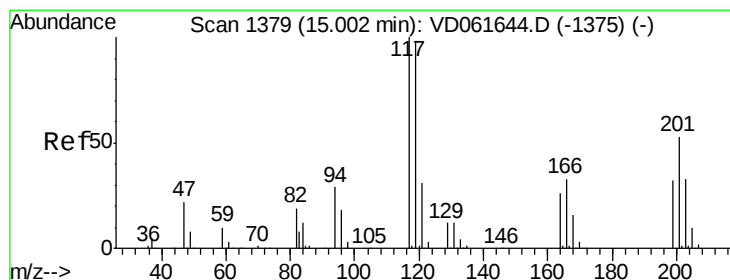
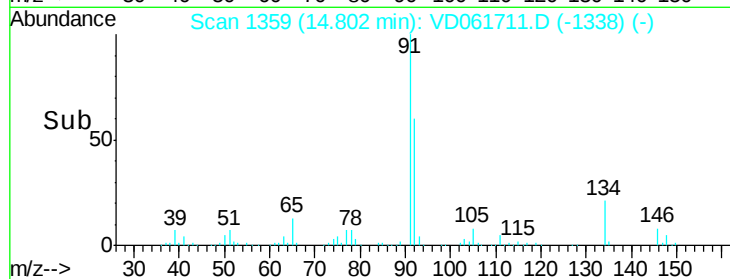
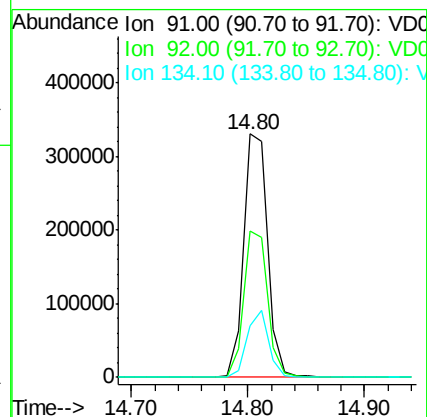
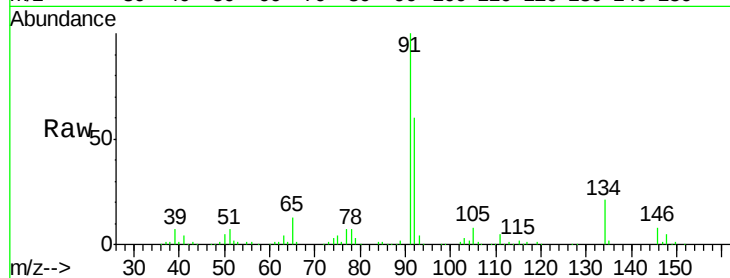
Tgt Ion: 91 Resp: 470215

Ion Ratio Lower Upper

91 100

92 59.9 29.8 89.4

134 21.3 12.2 36.4



#90

Hexachloroethane

Concen: 19.326 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD061711.D

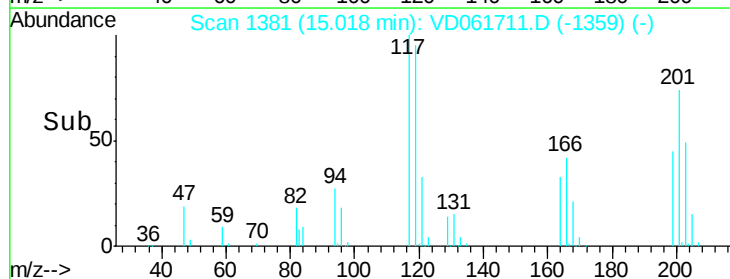
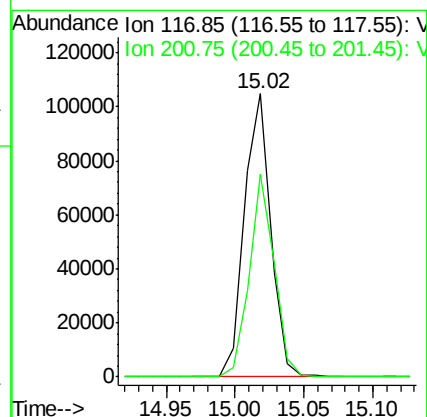
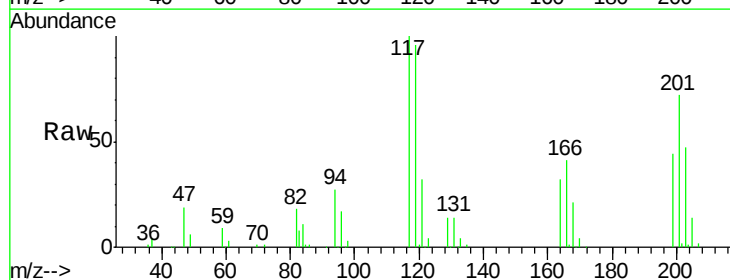
Acq: 10 Apr 2019 14:22

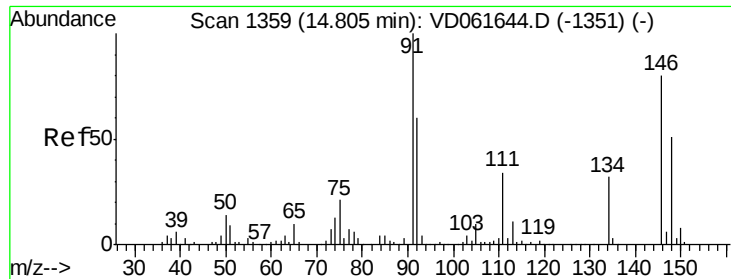
Tgt Ion: 117 Resp: 140059

Ion Ratio Lower Upper

117 100

201 71.7 26.3 78.8

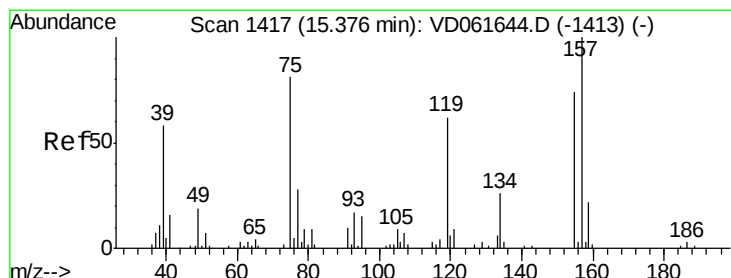
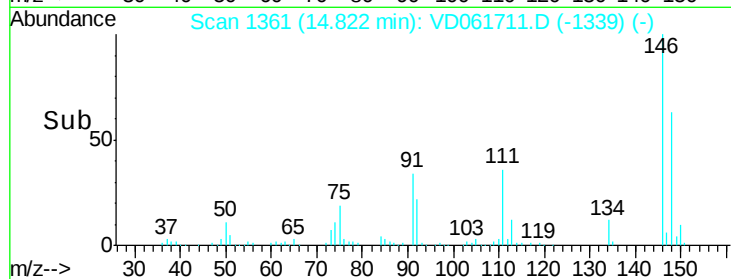
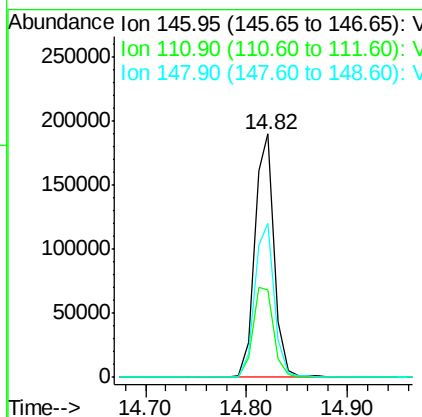
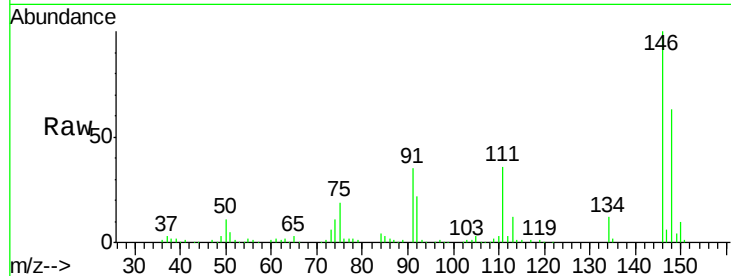




#91
 1,2-Dichlorobenzene
 Concen: 20.885 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

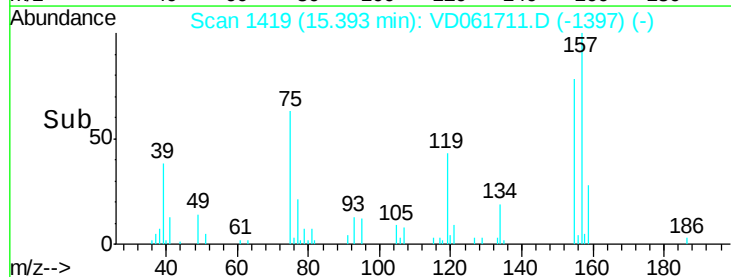
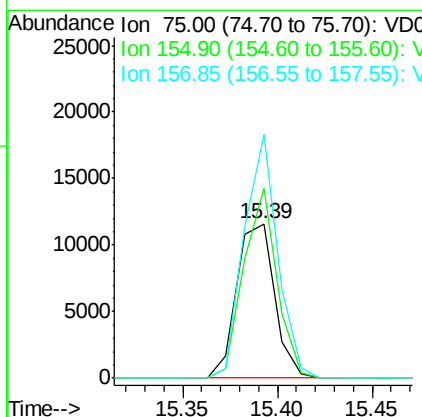
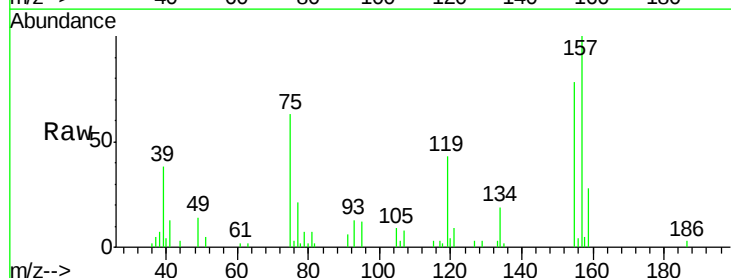
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBSD01

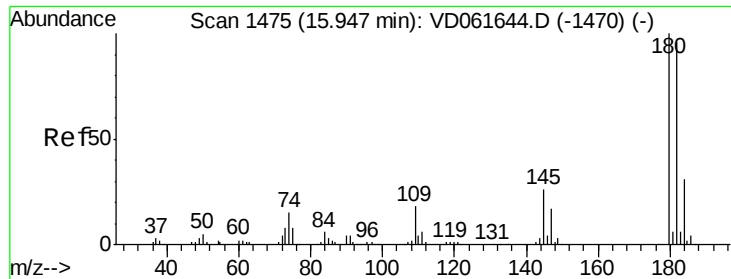
Tgt Ion: 146 Resp: 256041
 Ion Ratio Lower Upper
 146 100
 111 36.1 21.1 63.3
 148 63.1 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.575 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion: 75 Resp: 16030
 Ion Ratio Lower Upper
 75 100
 155 123.2 45.6 136.7
 157 158.1 61.4 184.2

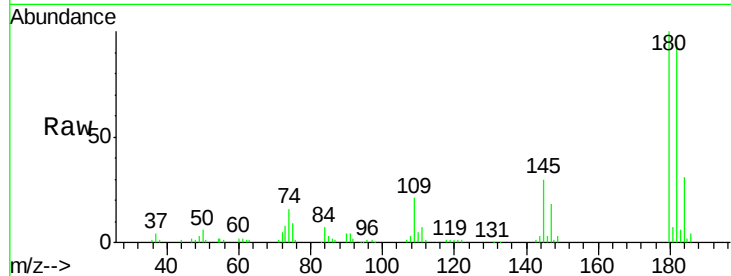




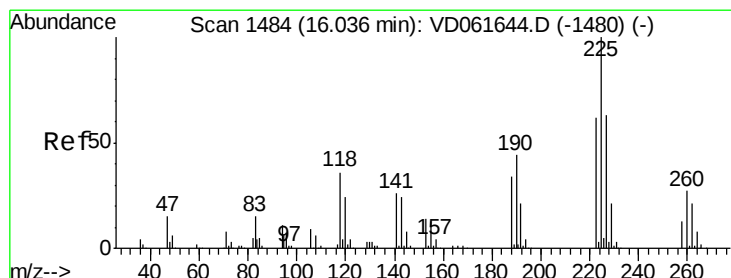
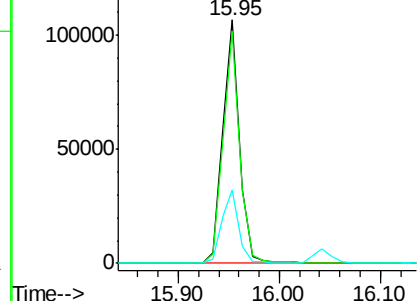
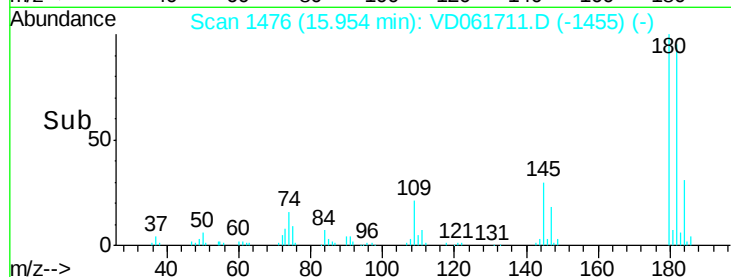
#93
 1,2,4-Trichlorobenzene
 Concen: 20.059 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS01

Tgt Ion:180 Resp: 125292
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.8 143.3
 145 30.2 13.3 39.8

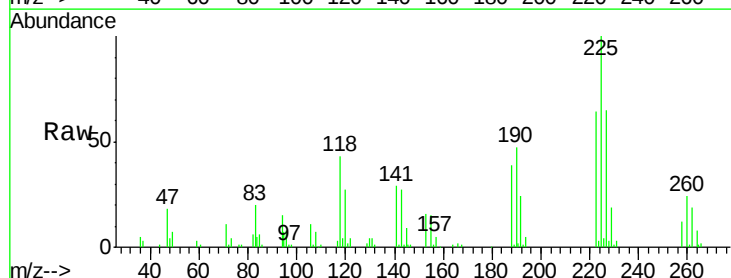


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

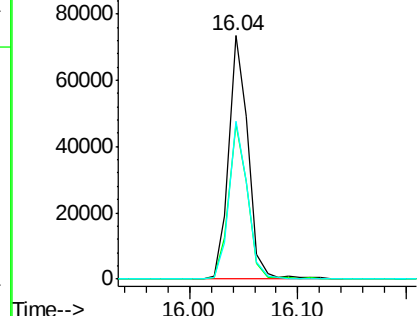
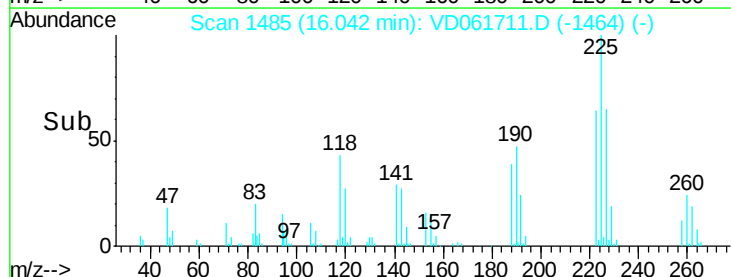


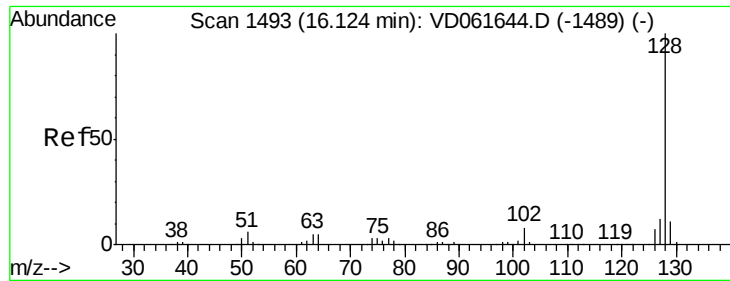
#94
 Hexachlorobutadiene
 Concen: 18.887 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Tgt Ion:225 Resp: 91094
 Ion Ratio Lower Upper
 225 100
 223 63.9 30.8 92.3
 227 64.8 31.5 94.5



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

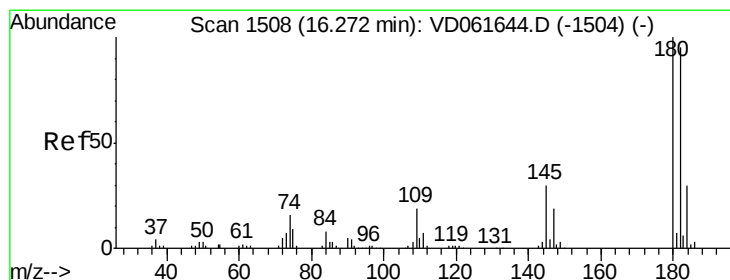
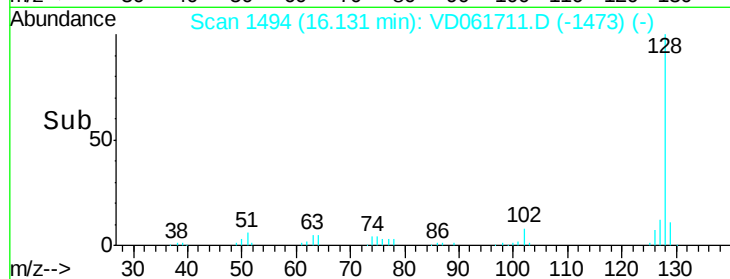
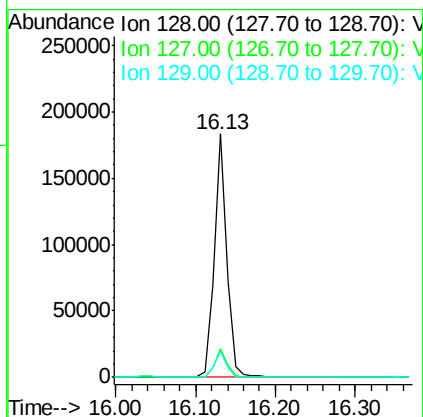
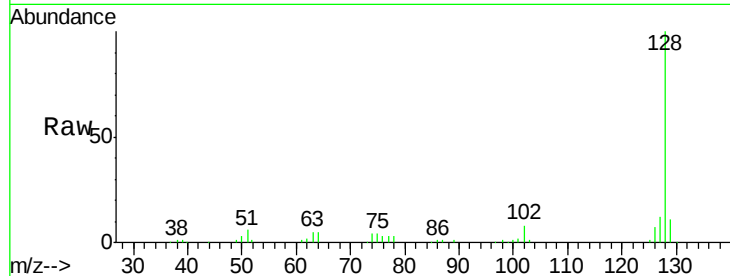




#95
Naphthalene
Concen: 20.523 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :
VD0410SBS01

Tgt Ion:128 Resp: 202834
Ion Ratio Lower Upper
128 100
127 11.9 9.4 14.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.422 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Tgt Ion:180 Resp: 60544
Ion Ratio Lower Upper
180 100
182 102.3 47.3 142.0
145 31.8 15.1 45.3

