

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 :

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	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

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 MSVOA_D
 ClientSampleId :

Quant Time: Apr 11 01:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
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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

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ClientSampleId :

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

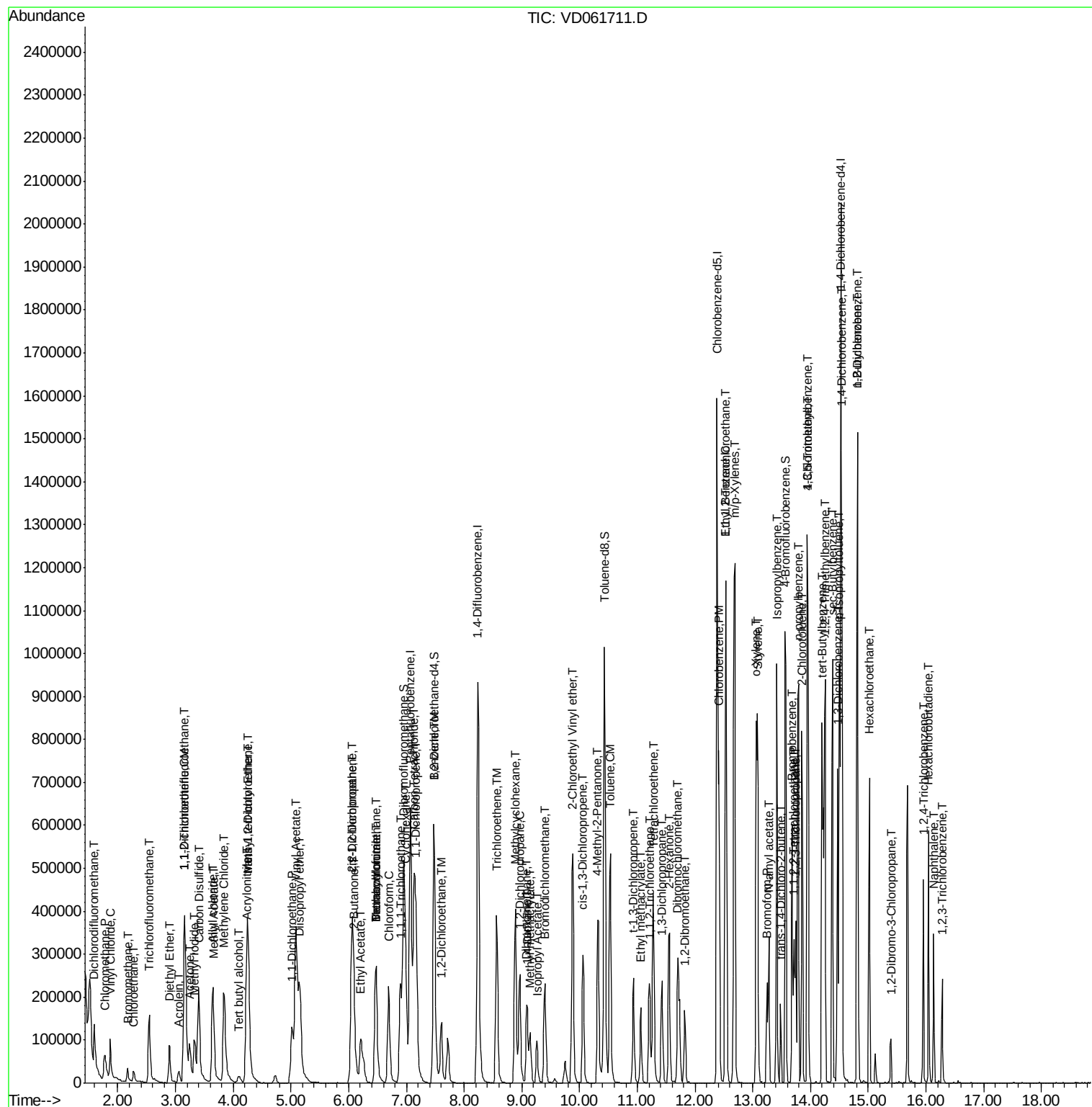
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	125292	20.059	ug/l	98
94) Hexachlorobutadiene	16.04	225	91094	18.887	ug/l	97
95) Naphthalene	16.13	128	202834	20.523	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	60544	19.422	ug/l	93

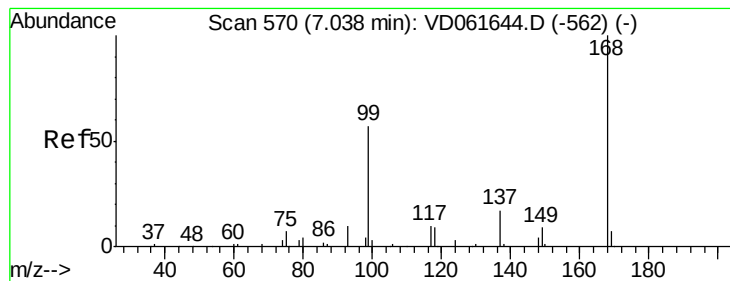
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Operator : VA/AP
 Sample : VD0410SBSD01
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampled :

Quant Time: Apr 11 01:05:25 2019
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 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration





#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

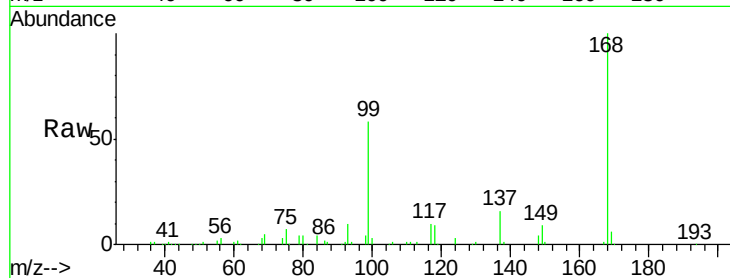
Instrument :
MSVOA_D
ClientSampleId :

Tot 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

7.06

250000

200000

150000

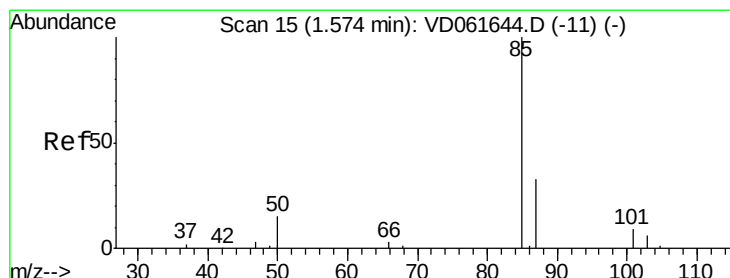
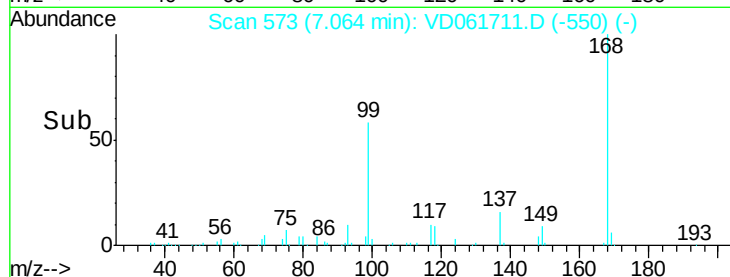
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.903 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061711.D

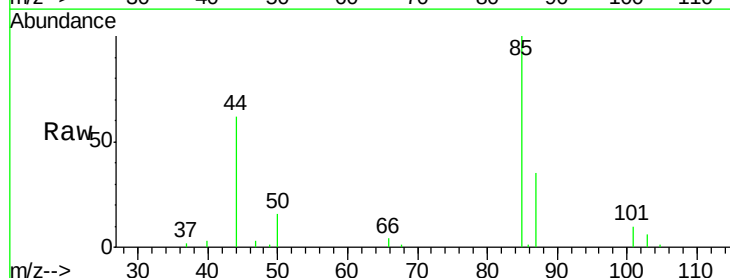
Acq: 10 Apr 2019 14:22

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

1.59

60000

50000

40000

30000

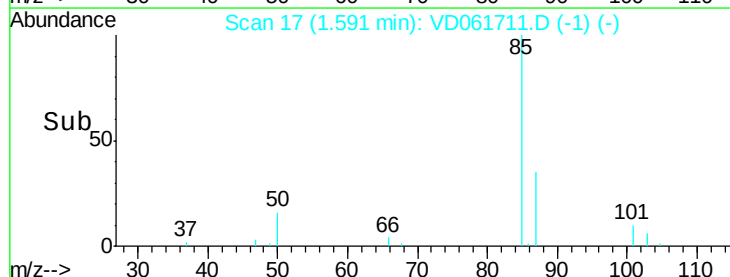
20000

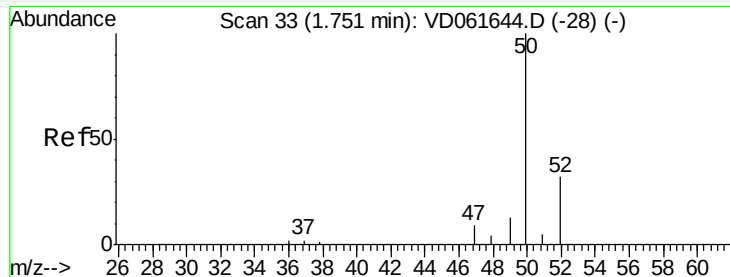
10000

0

1.50 1.60 1.70

Time-->





#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

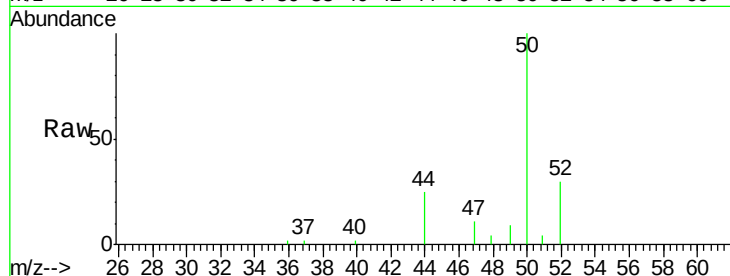
ClientSampleId :

Tot Ion: 50 Resp: 119691

Ion Ratio Lower Upper

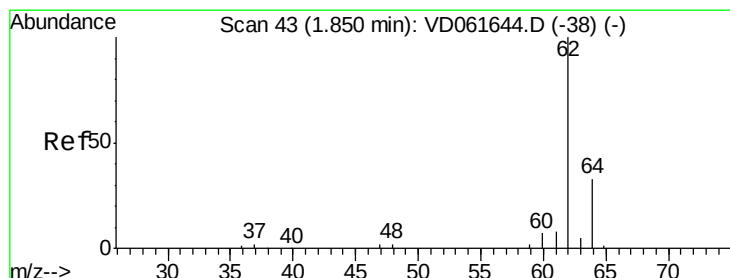
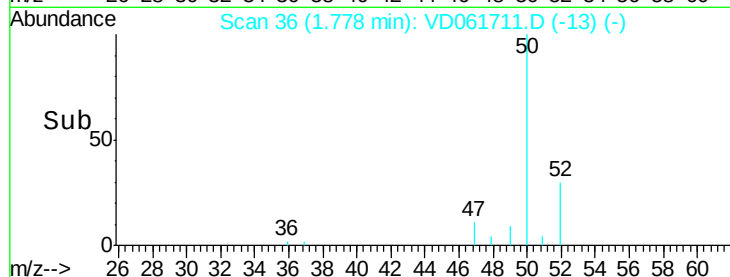
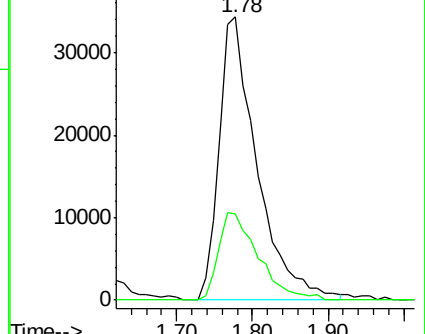
50 100

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

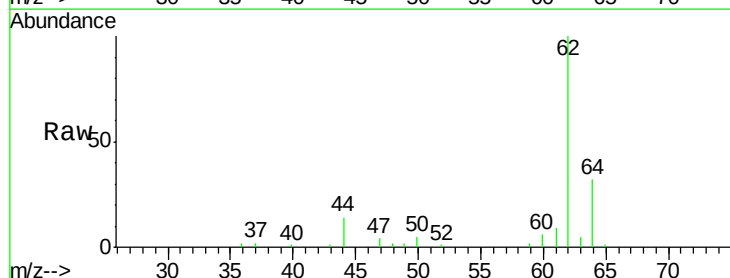
Acq: 10 Apr 2019 14:22

Tgt Ion: 62 Resp: 110523

Ion Ratio Lower Upper

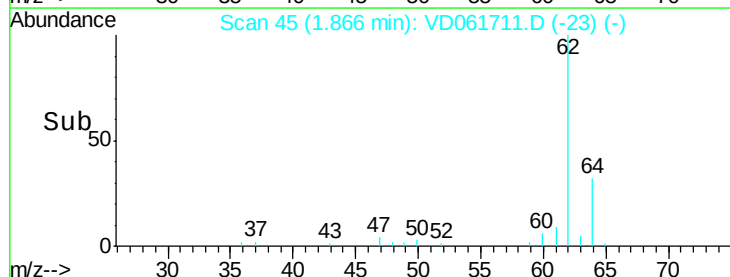
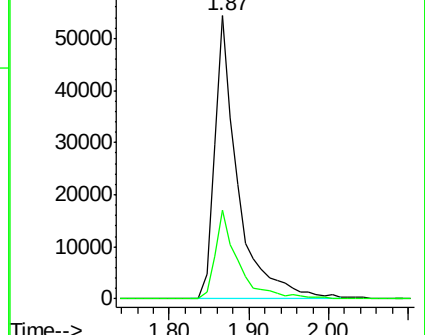
62 100

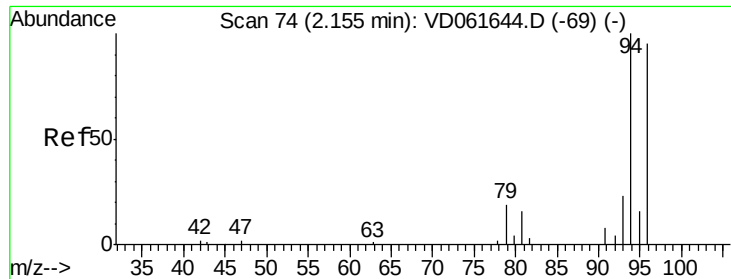
64 31.6 26.2 39.2



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

ClientSampled :

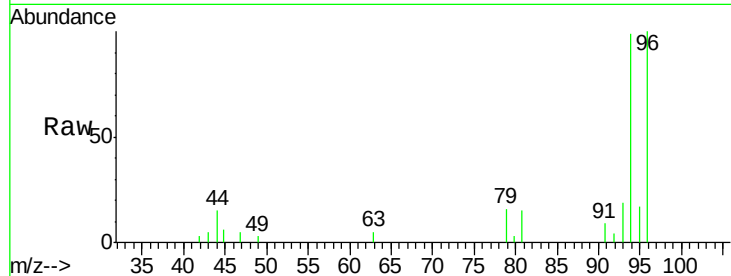
Tot Ion: 94 Resp: 21419

Ion Ratio Lower Upper

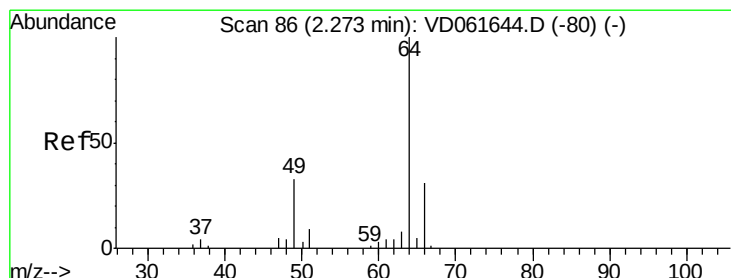
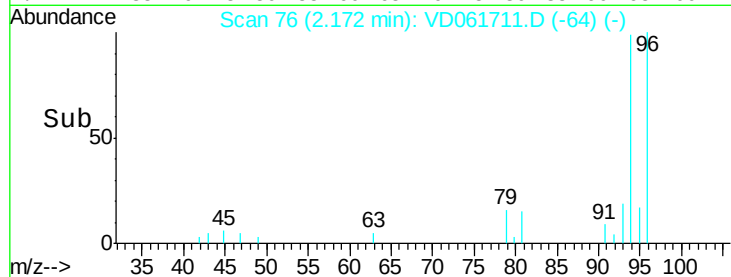
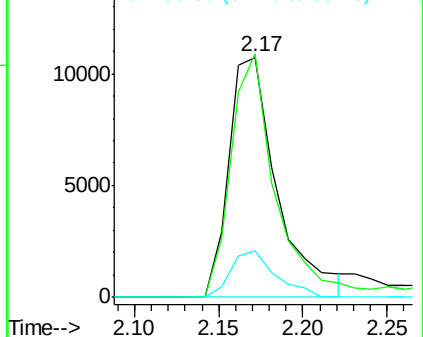
94 100

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

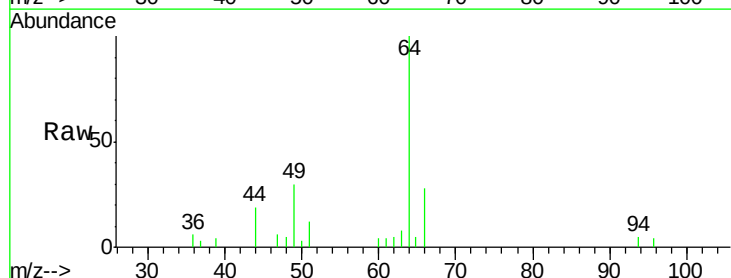
Acq: 10 Apr 2019 14:22

Tgt Ion: 64 Resp: 25444

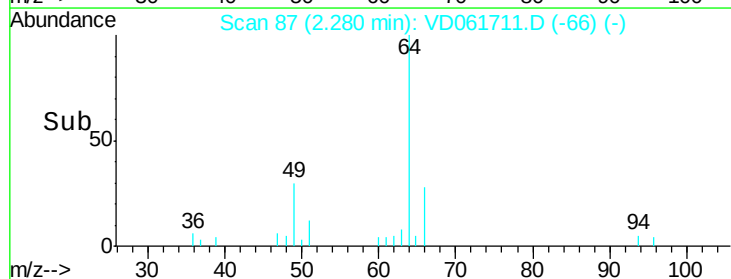
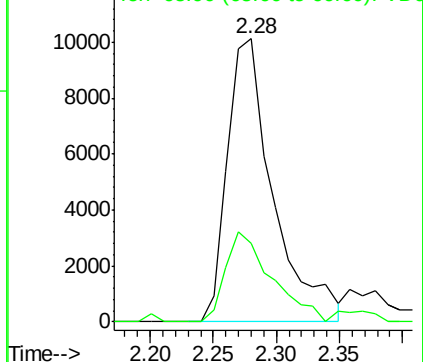
Ion Ratio Lower Upper

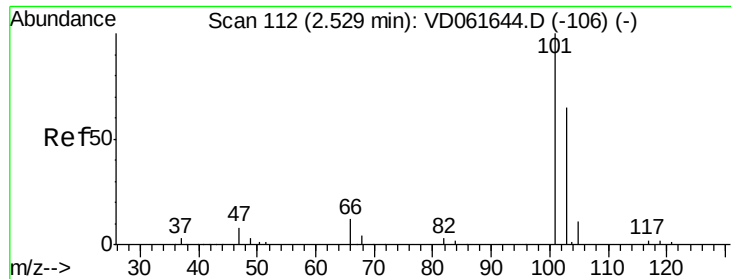
64 100

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



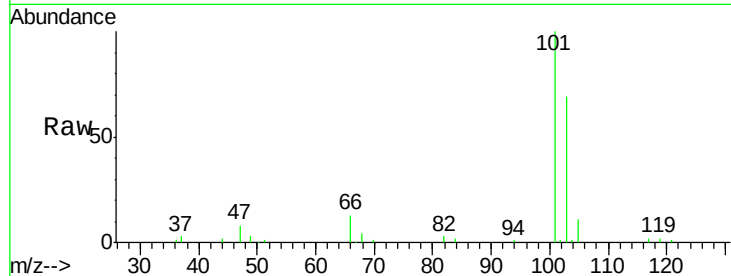


#7

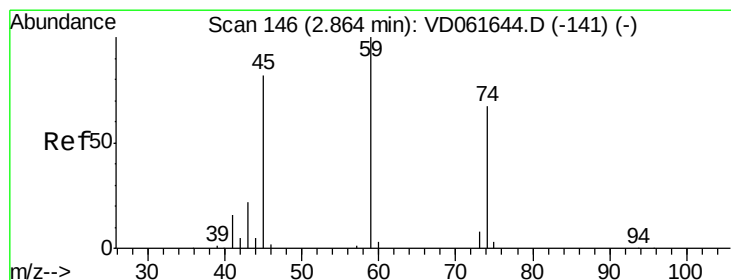
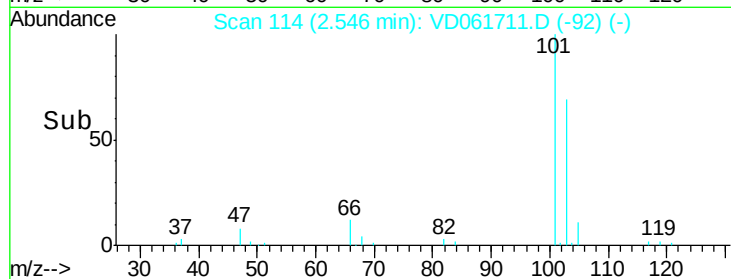
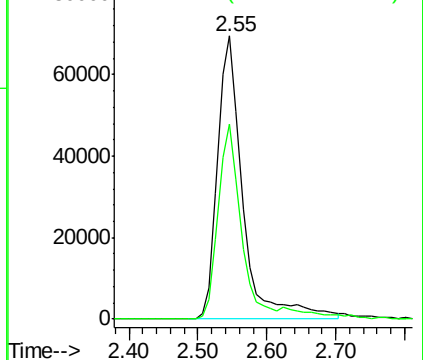
Trichlorofluoromethane
 Concen: 20.808 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :

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



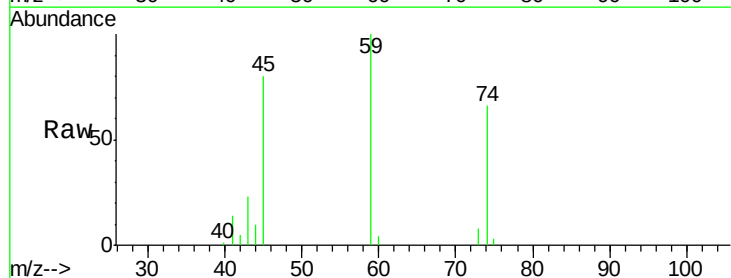
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



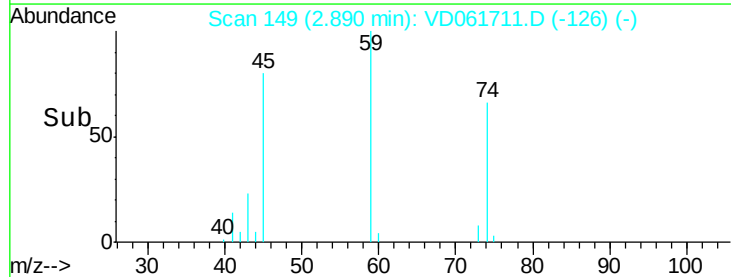
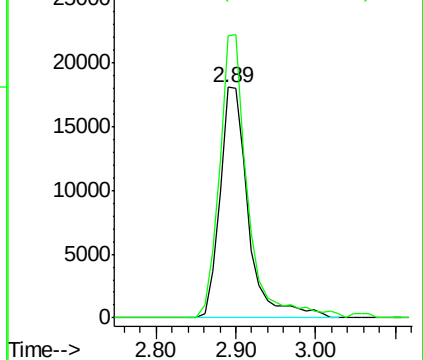
#8

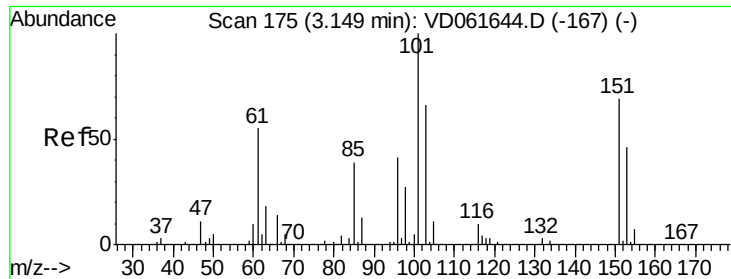
Diethyl Ether
 Concen: 18.865 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

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

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ClientSampleId :

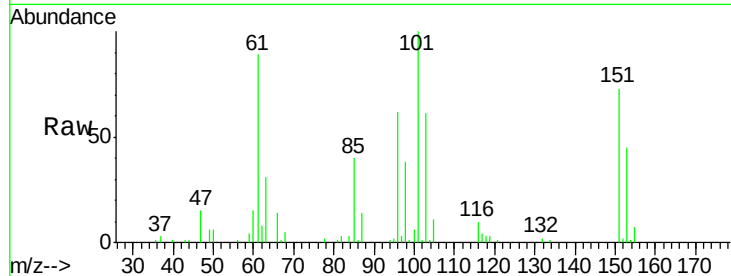
Tot Ion:101 Resp: 165899

Ion Ratio Lower Upper

101 100

85 39.7 31.0 46.6

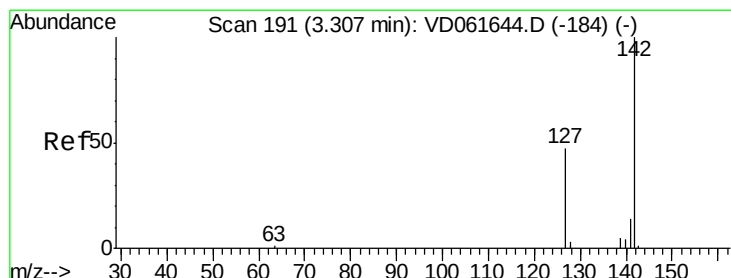
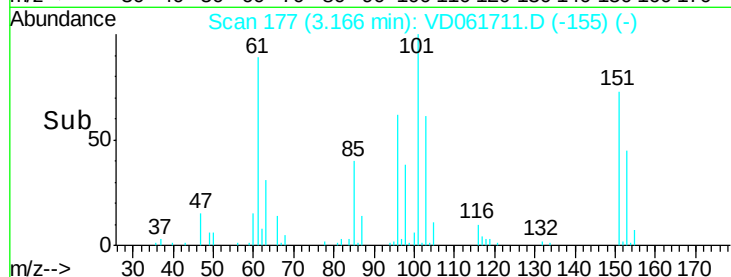
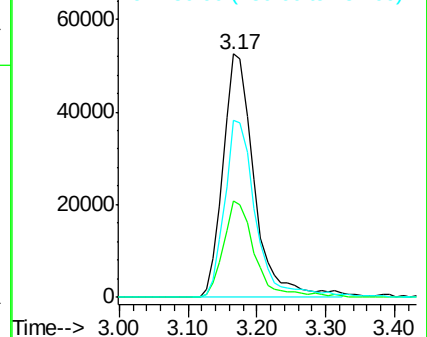
151 72.8 55.3 82.9



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

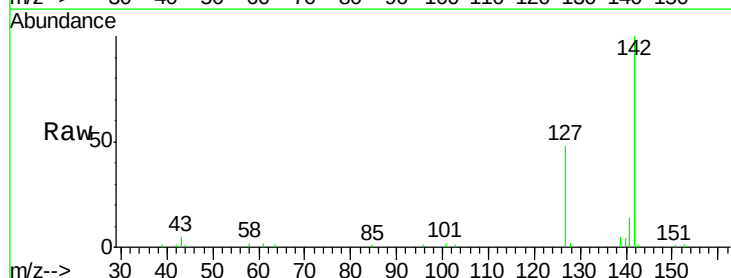
Tgt Ion:142 Resp: 204302

Ion Ratio Lower Upper

142 100

127 48.1 37.2 55.8

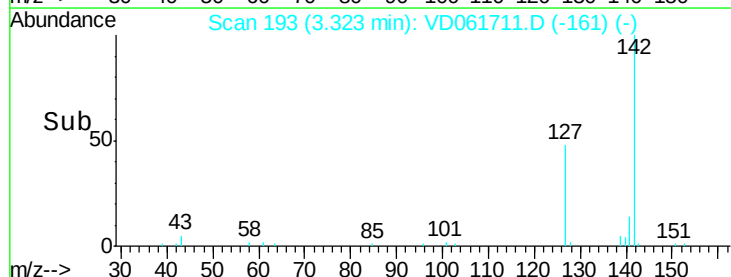
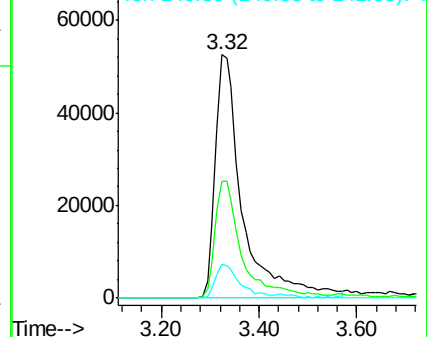
141 13.7 10.8 16.2

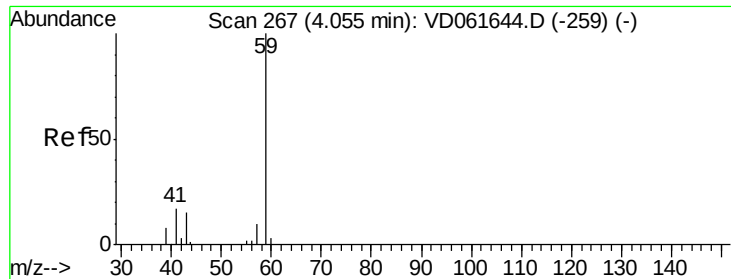


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



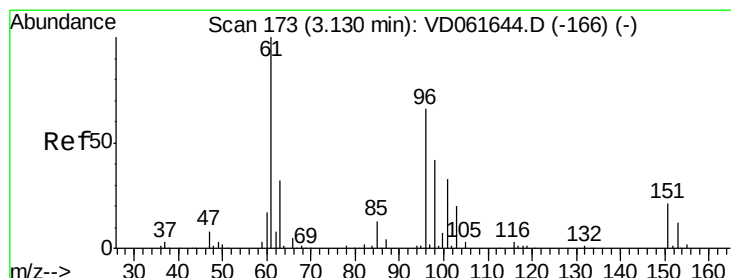
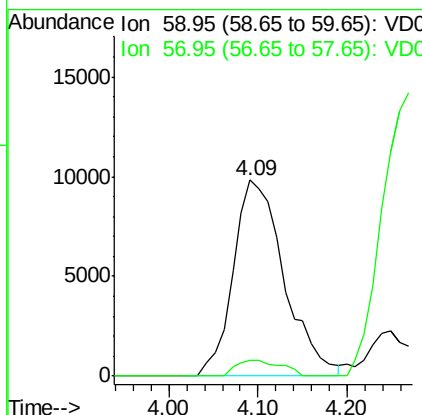
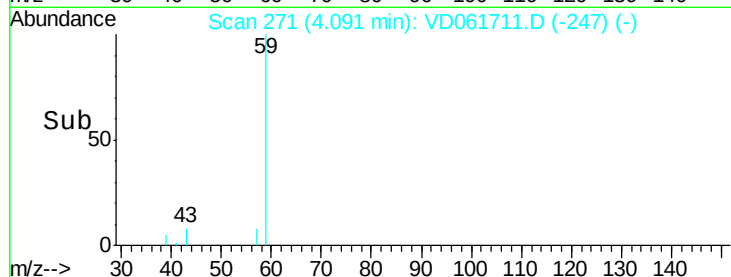
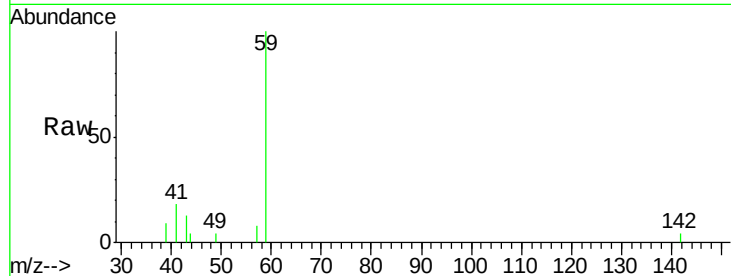


#11

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
ClientSampled :

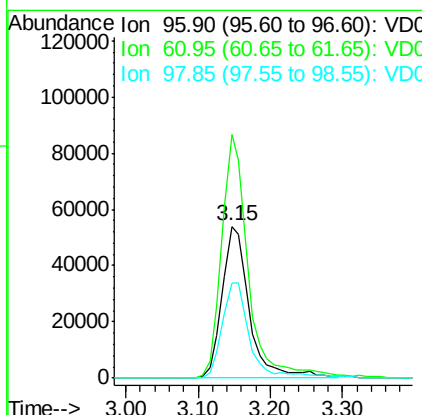
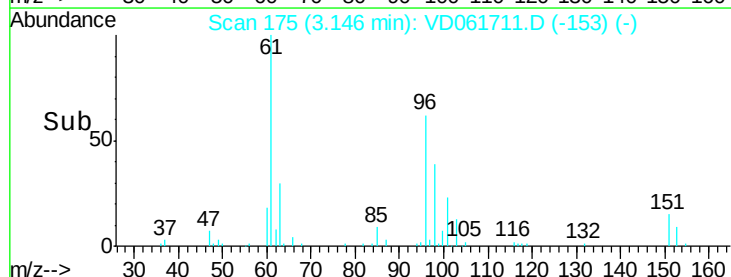
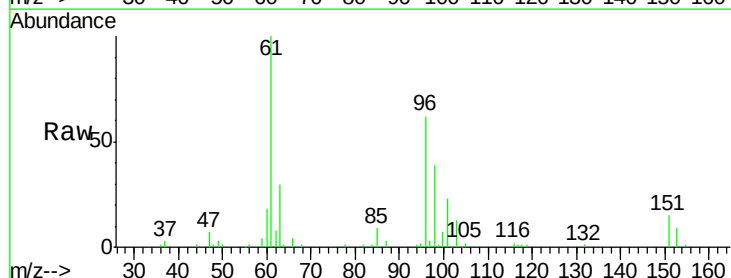
Tot Ion: 59 Resp: 39052
Ion Ratio Lower Upper
59 100
57 8.4 8.4 12.6#

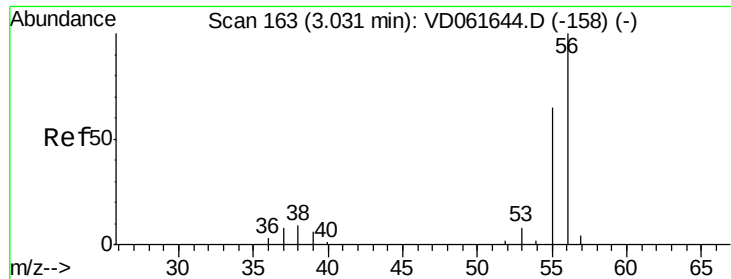


#12

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

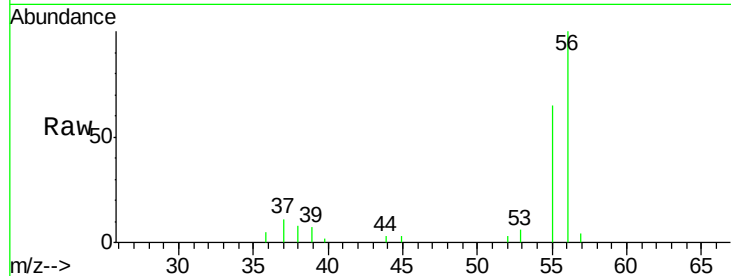
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 35204

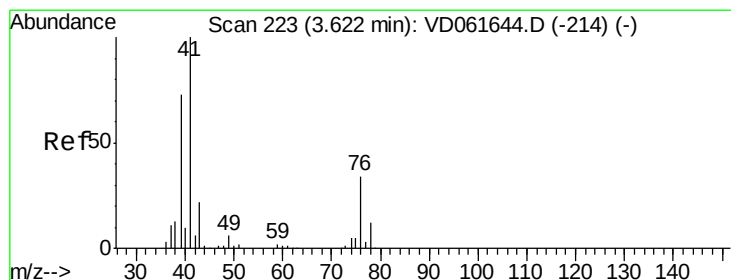
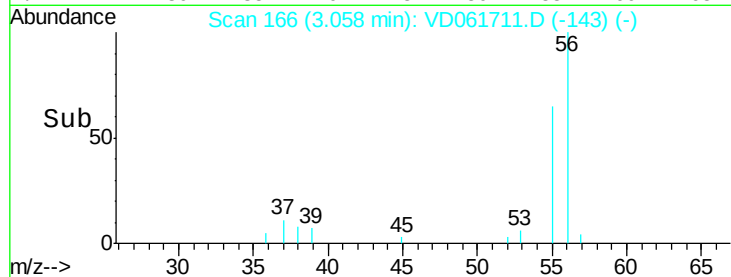
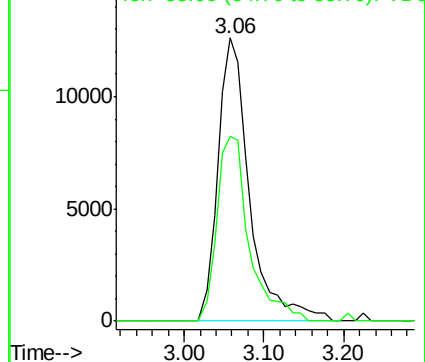
Ion Ratio Lower Upper

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

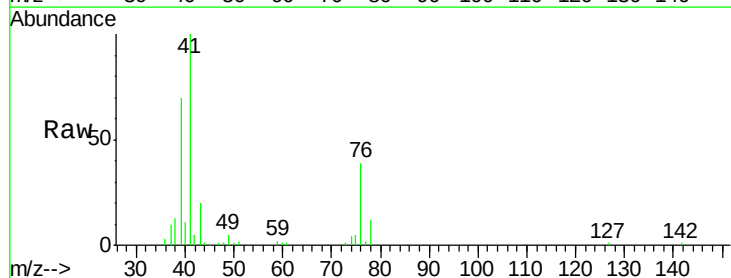
Tgt Ion: 41 Resp: 201752

Ion Ratio Lower Upper

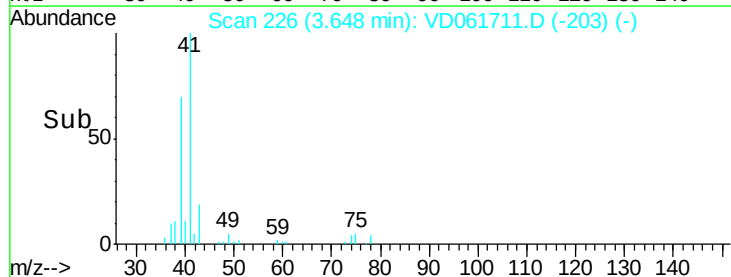
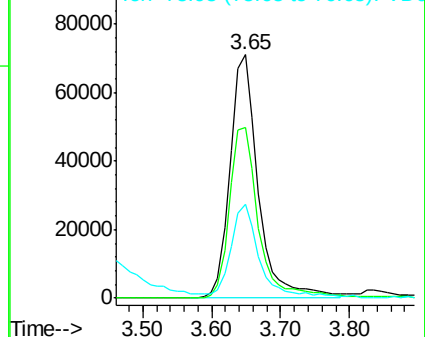
41 100

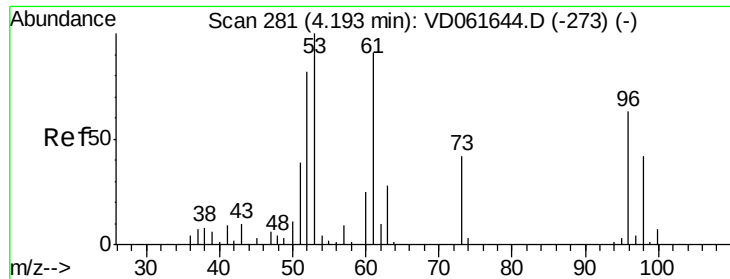
39 70.3 58.2 87.4

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

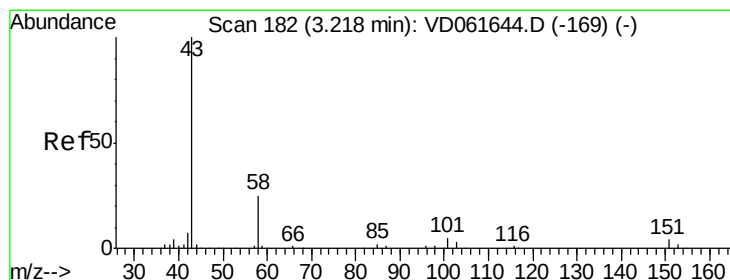
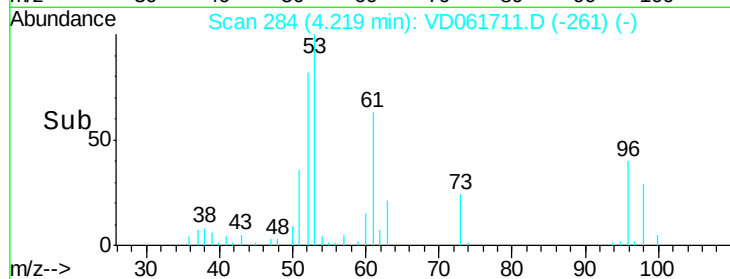
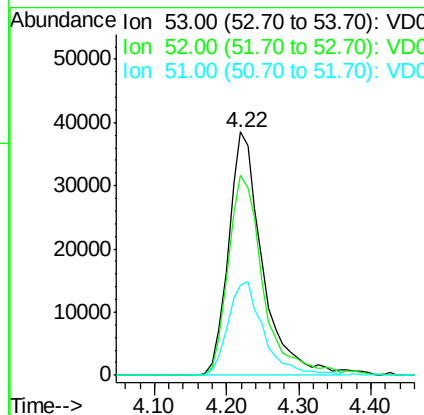
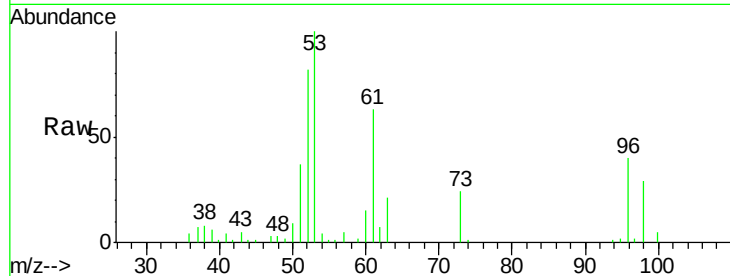
Delta R.T. 0.03 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	53	Resp:	125157
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.9	98.9
51	36.9	31.4	47.2



#16

Acetone

Concen: 95.394 ug/l

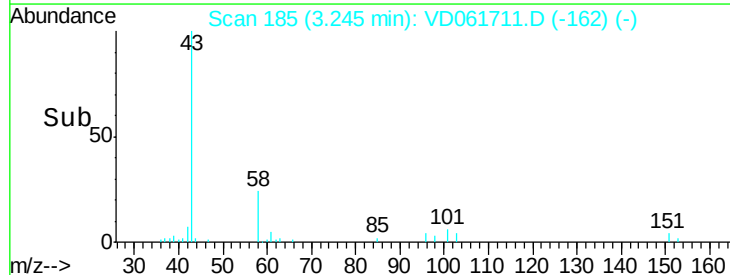
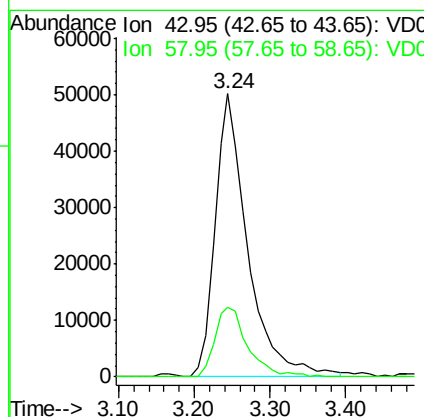
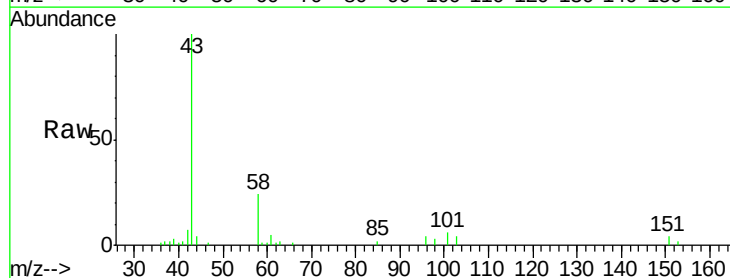
RT: 3.24 min Scan# 185

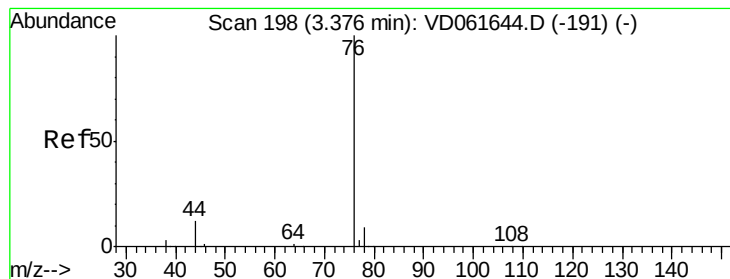
Delta R.T. 0.03 min

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





#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

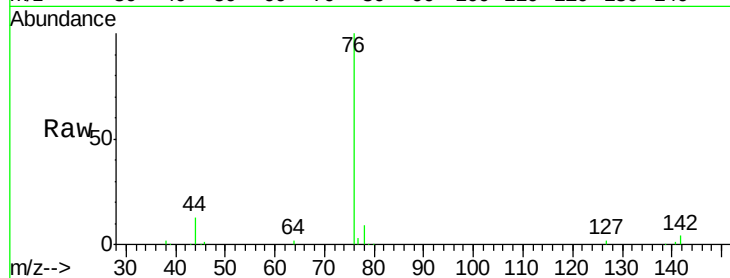
ClientSampleId :

Tot Ion: 76 Resp: 426617

Ion Ratio Lower Upper

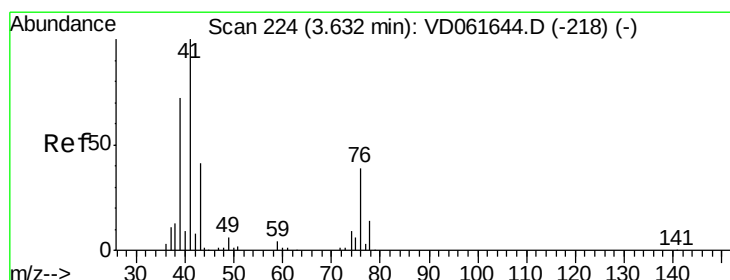
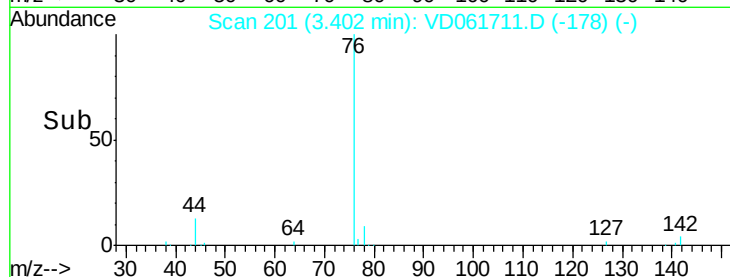
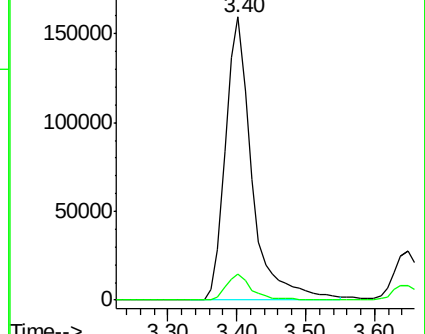
76 100

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

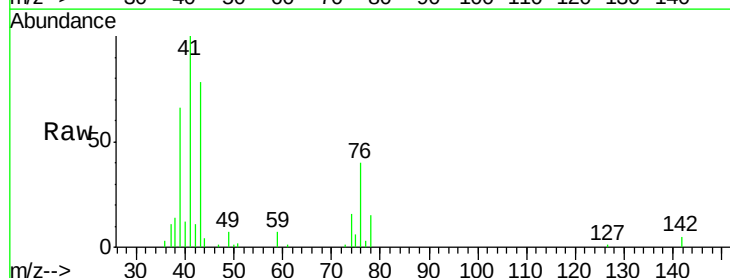
Acq: 10 Apr 2019 14:22

Tgt Ion: 43 Resp: 67580

Ion Ratio Lower Upper

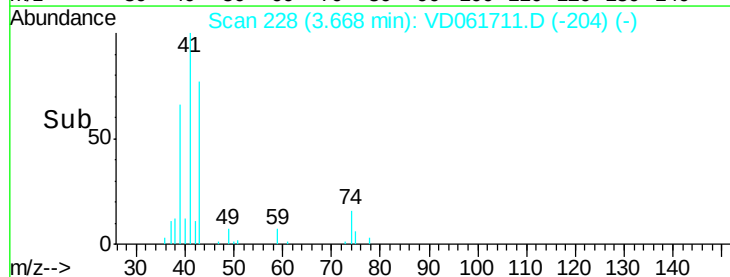
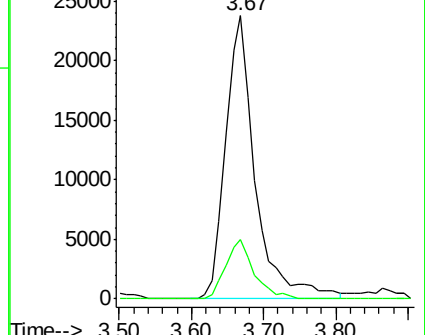
43 100

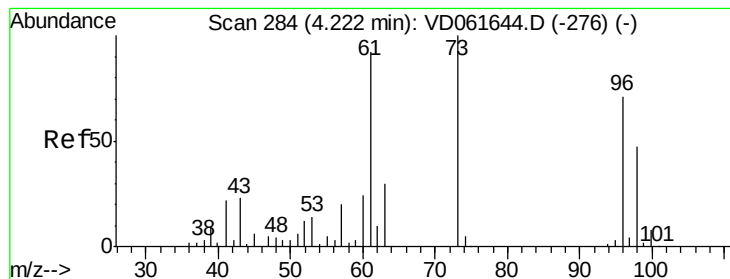
74 21.0 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



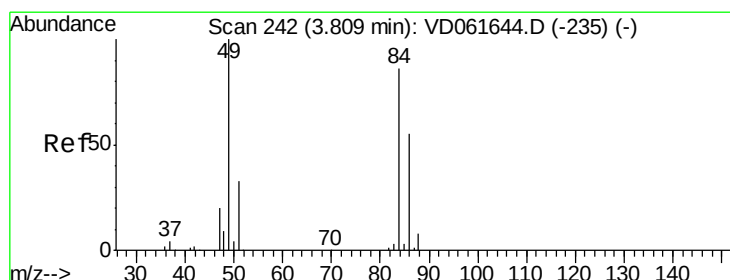
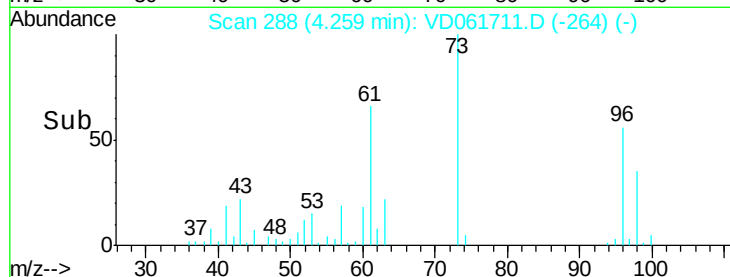
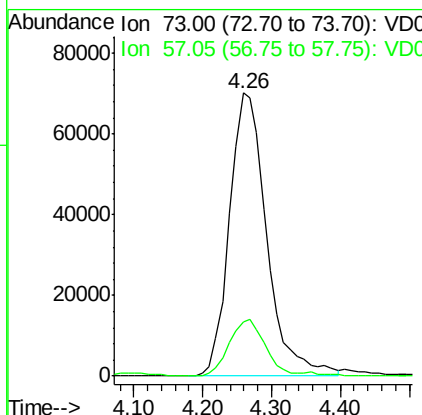
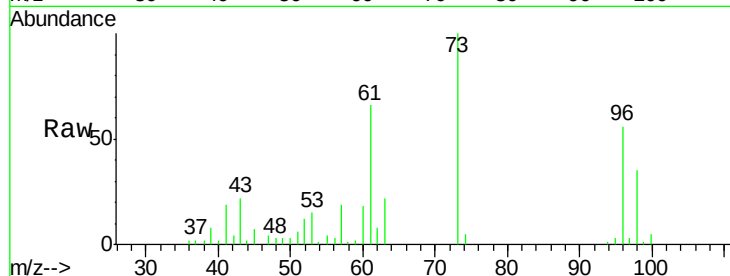


#19

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
 ClientSampled :

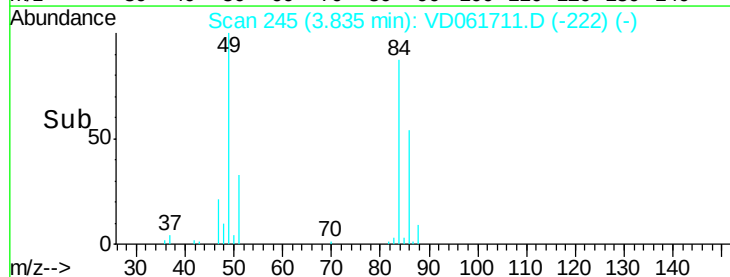
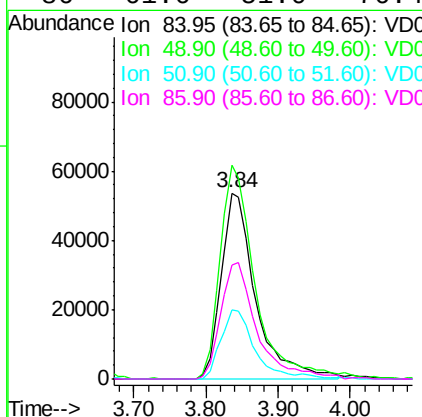
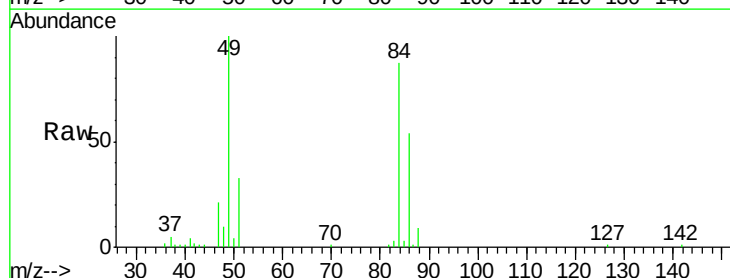
Tot Ion: 73 Resp: 263302
 Ion Ratio Lower Upper
 73 100
 57 19.0 16.0 24.0

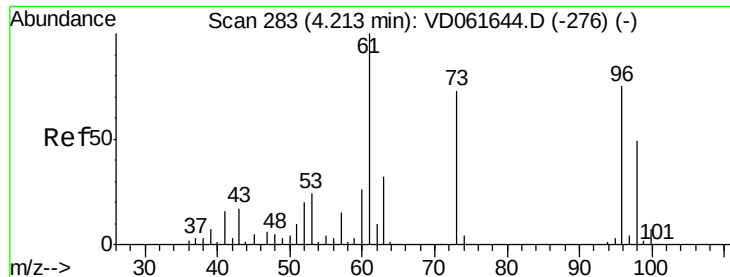


#20

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





#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

ClientSampled :

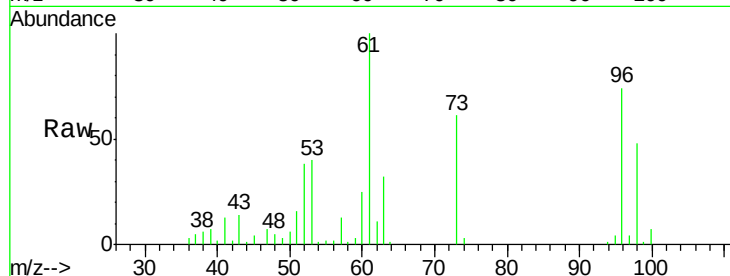
Tot Ion: 96 Resp: 152499

Ion Ratio Lower Upper

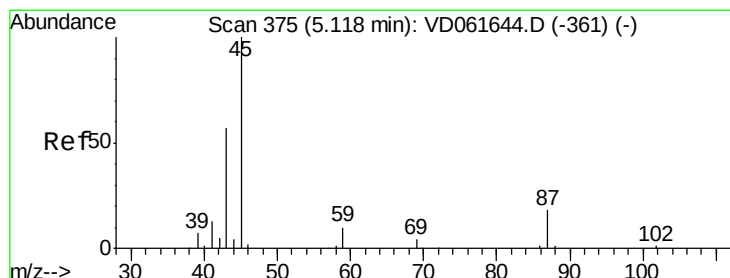
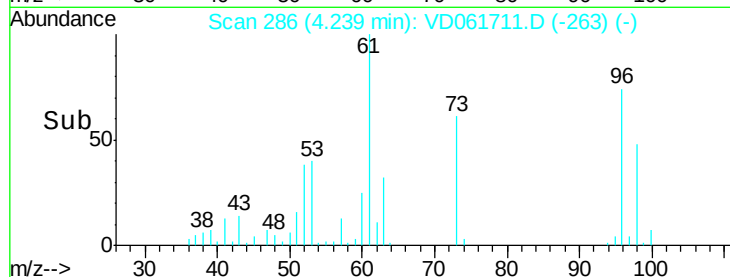
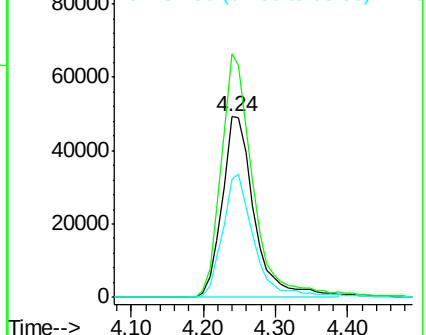
96 100

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

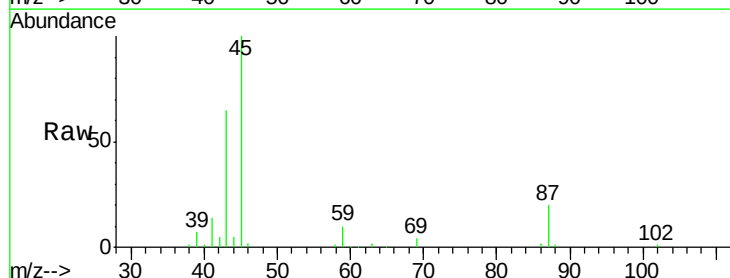
Ion Ratio Lower Upper

45 100

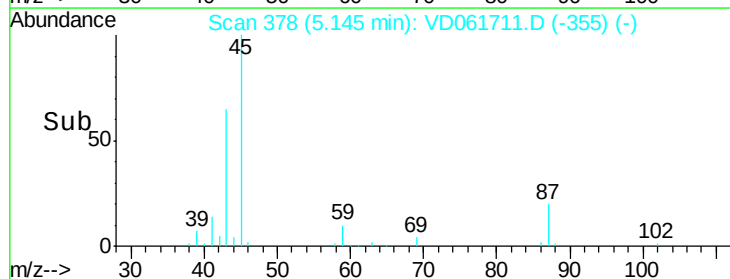
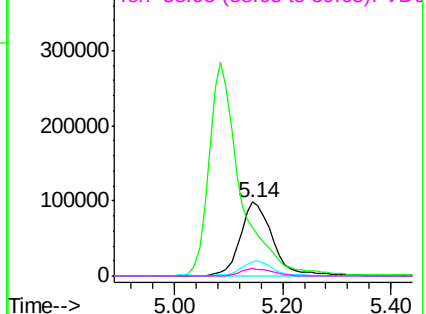
43 65.0 46.6 70.0

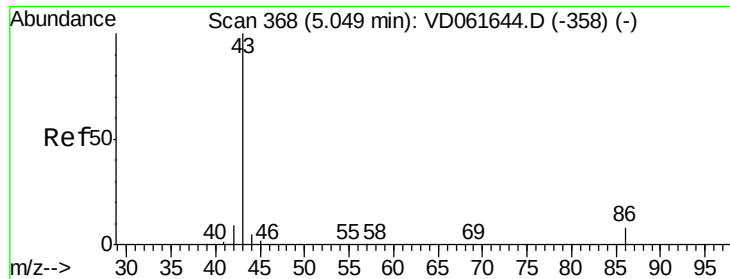
87 19.6 15.6 23.4

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

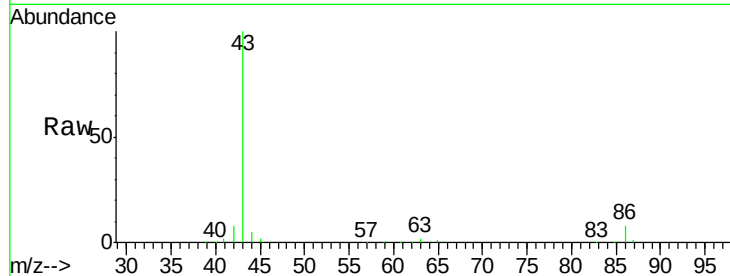
Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampled :

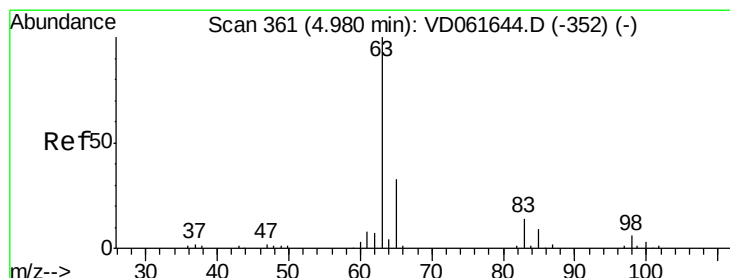
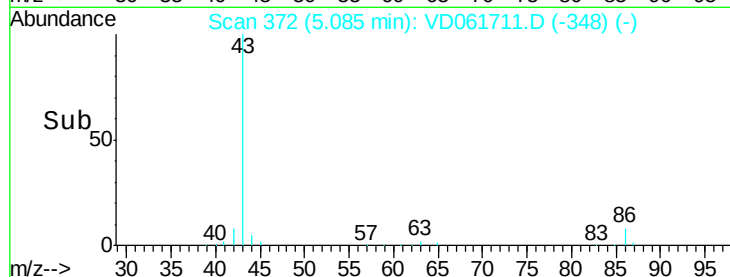
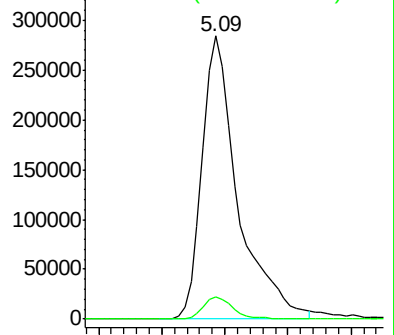
Tot Ion: 43 Resp: 1120697

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

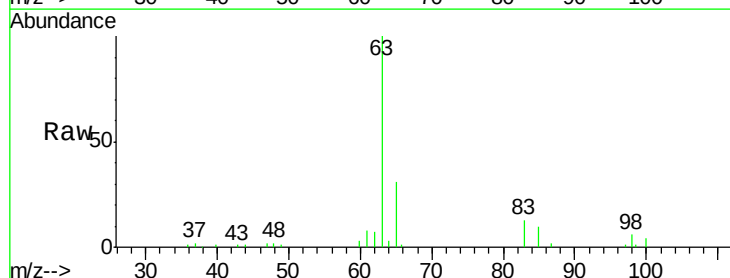
Delta R.T. 0.04 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

Tgt Ion: 63 Resp: 238670

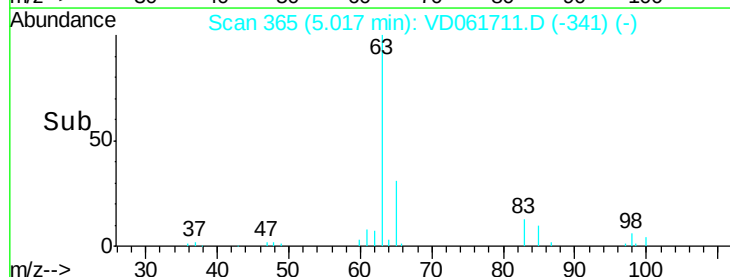
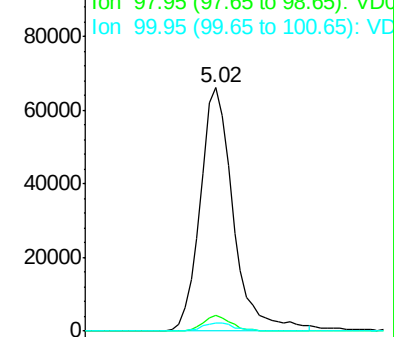
Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.9	8.6
100	3.5	1.7	5.1

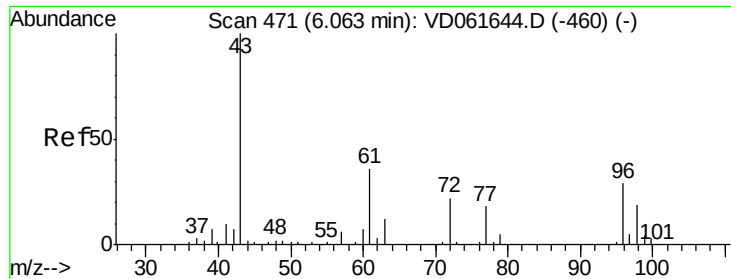


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

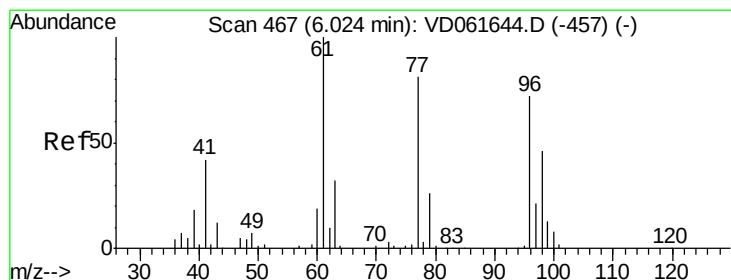
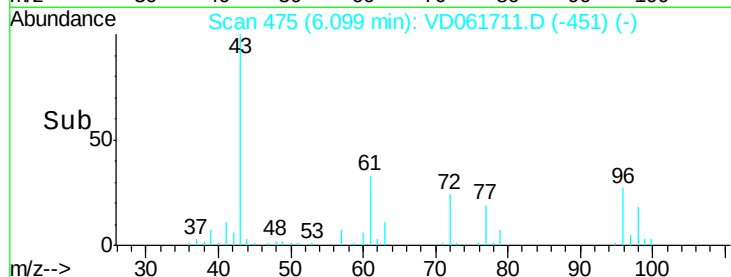
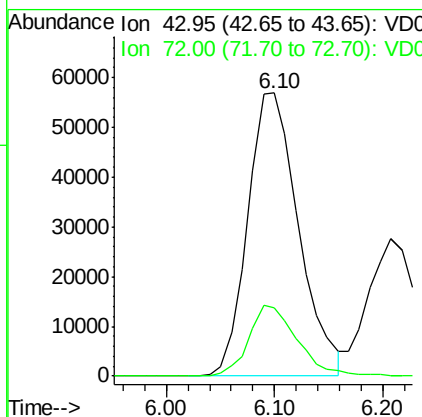
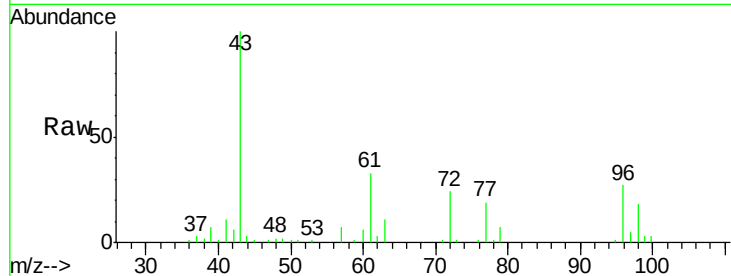




#25
2-Butanone
Concen: 102.544 ug/l
RT: 6.10 min Scan# 475
Delta R.T. 0.04 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

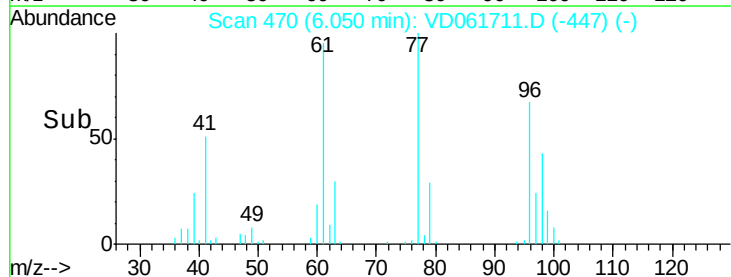
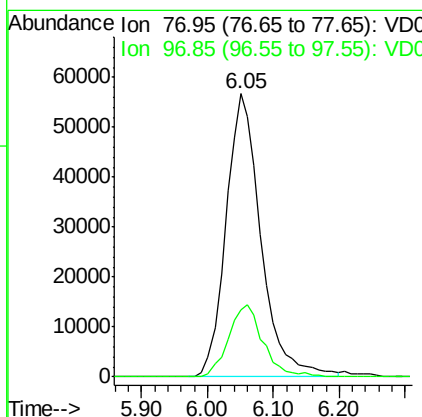
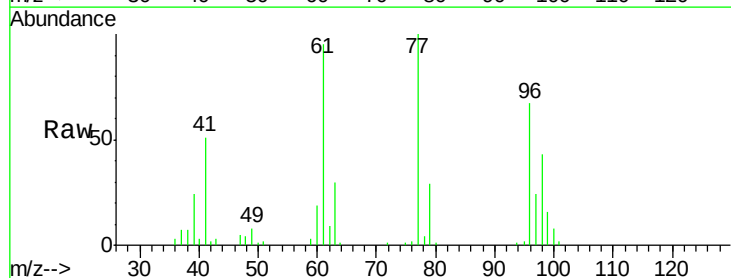
Instrument :
MSVOA_D
ClientSampleId :

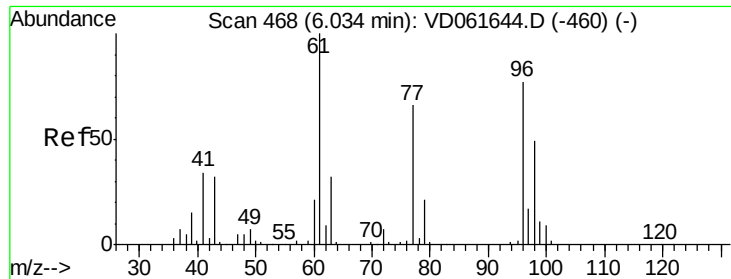
Tot Ion: 43 Resp: 186073
Ion Ratio Lower Upper
43 100
72 24.2 17.4 26.2



#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



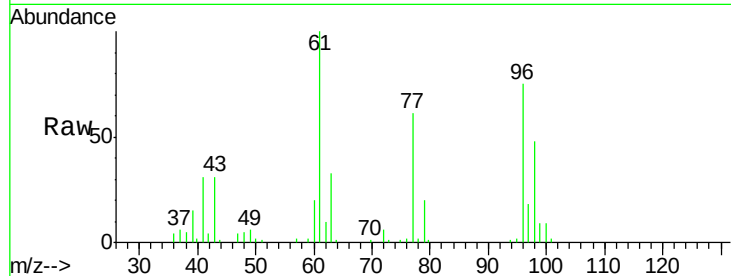


#27

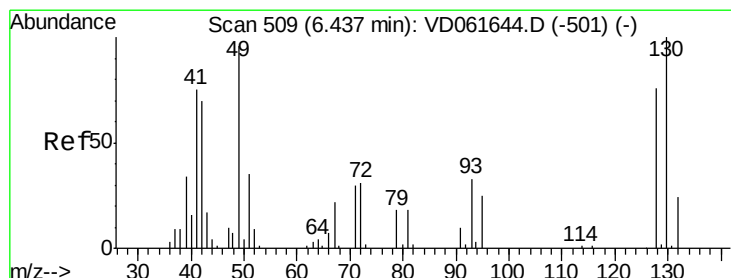
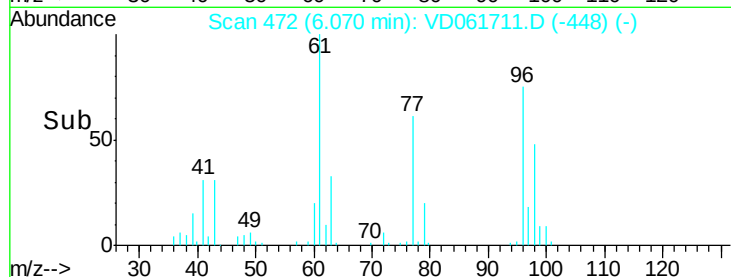
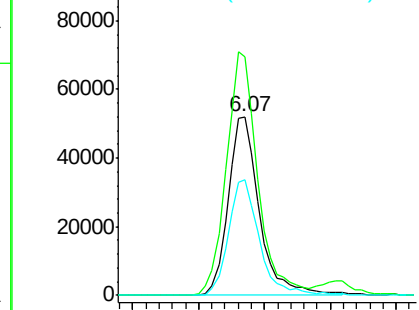
cis-1,2-Dichloroethene
 Concen: 20.534 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. 0.04 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :

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



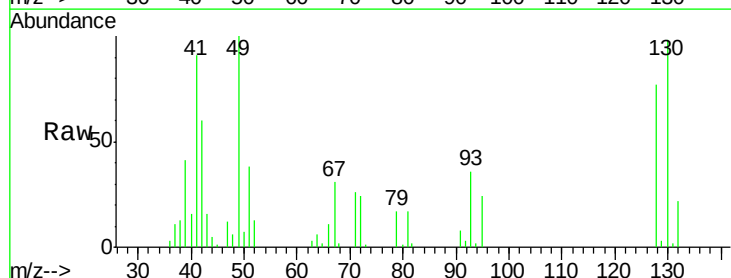
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



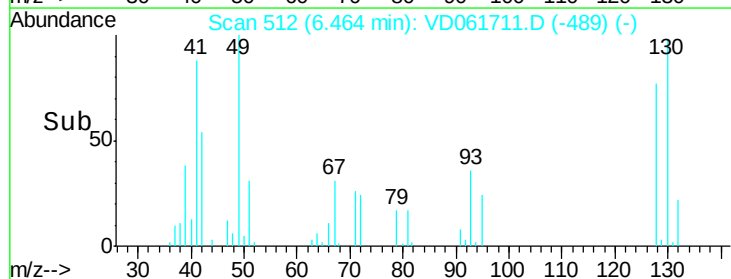
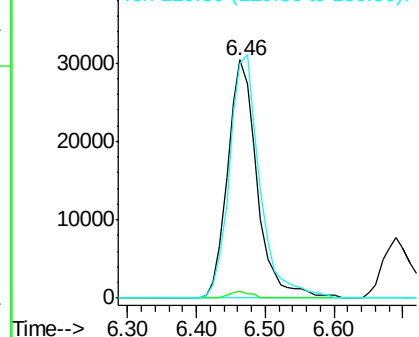
#28

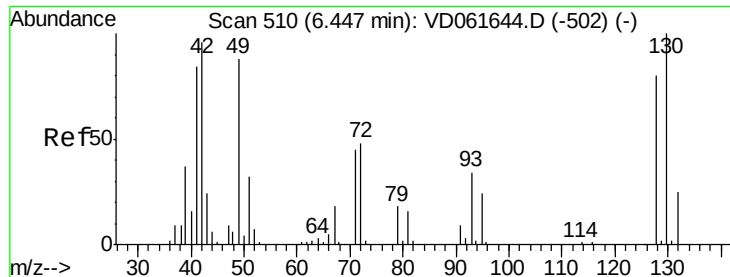
Bromochloromethane
 Concen: 19.269 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

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

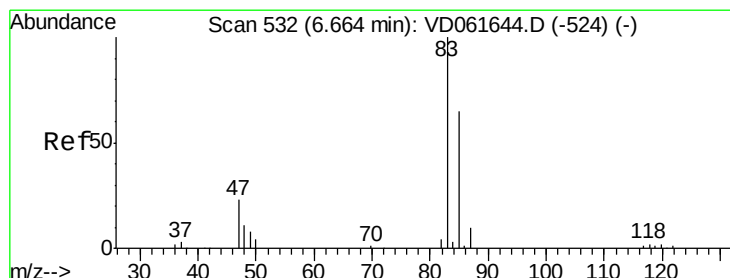
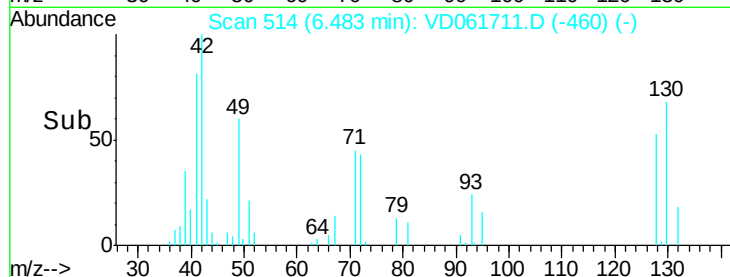
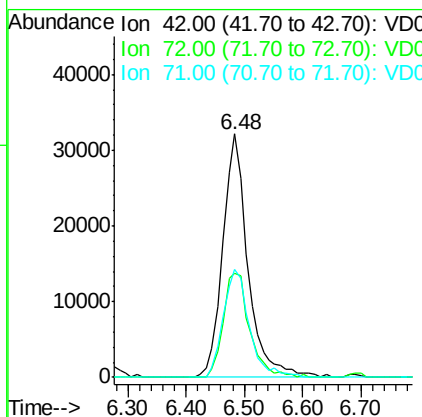
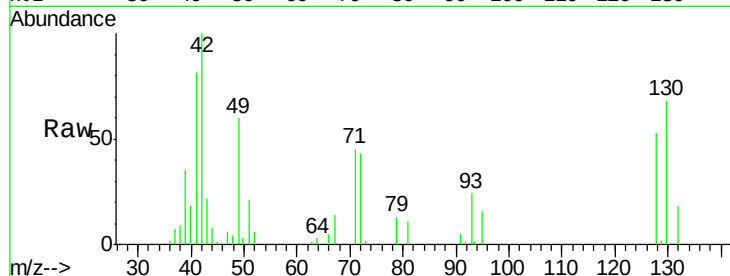




#29
Tetrahydrofuran
Concen: 110.264 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.04 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

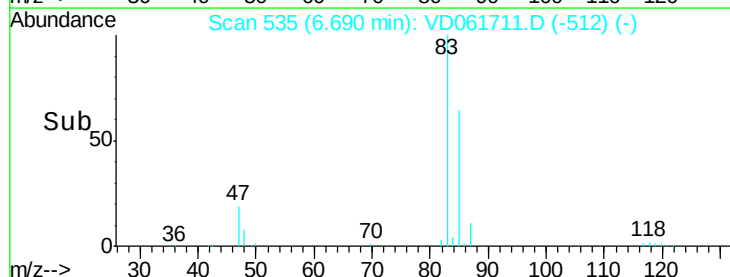
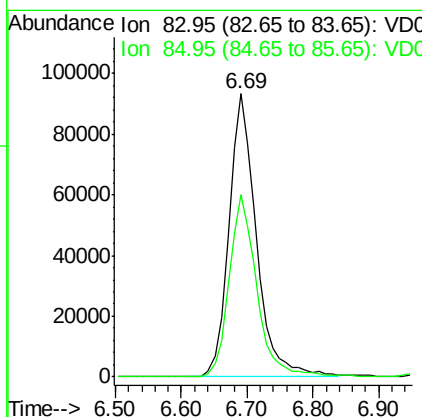
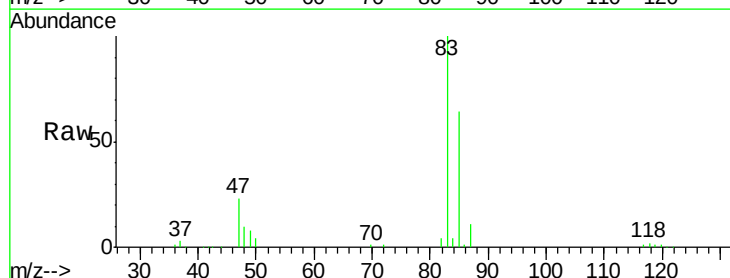
Instrument :
MSVOA_D
ClientSampleId :

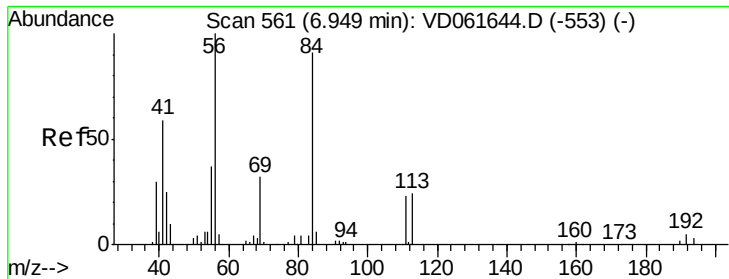
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	37.0	55.6
71	45.7	36.5	54.7



#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	Ratio	Lower	Upper
83	100		
85	64.5	51.9	77.9

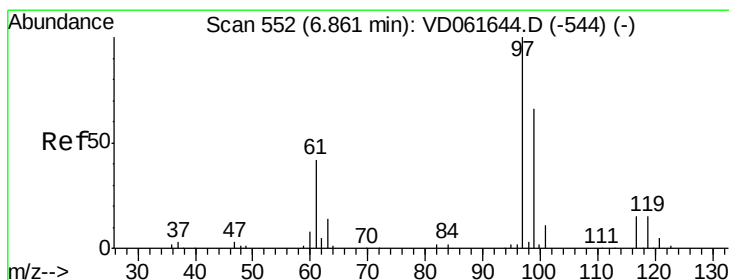
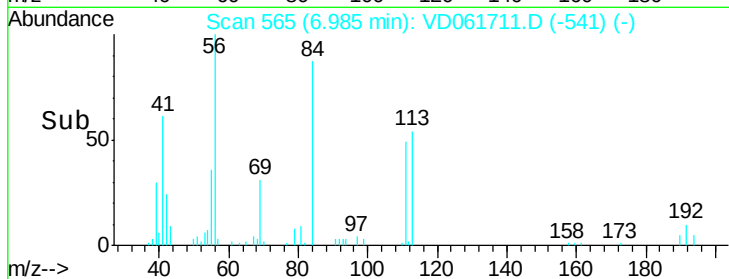
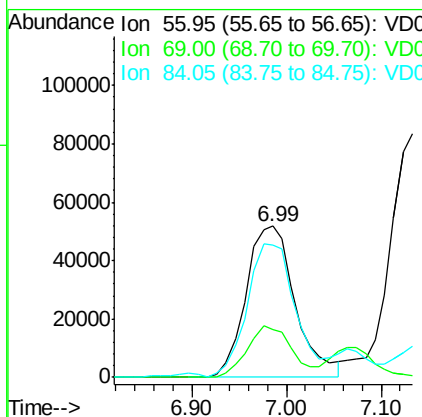
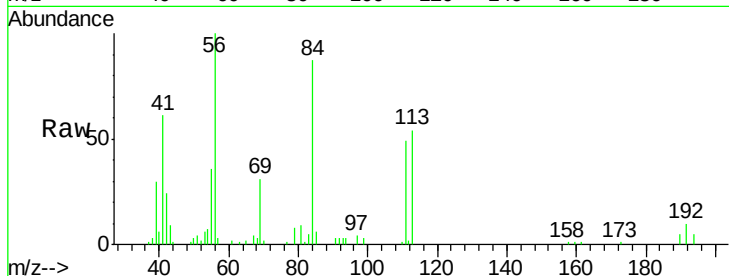




#31
Cyclohexane
Concen: 18.862 ug/l
RT: 6.99 min Scan# 565
Delta R.T. 0.04 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

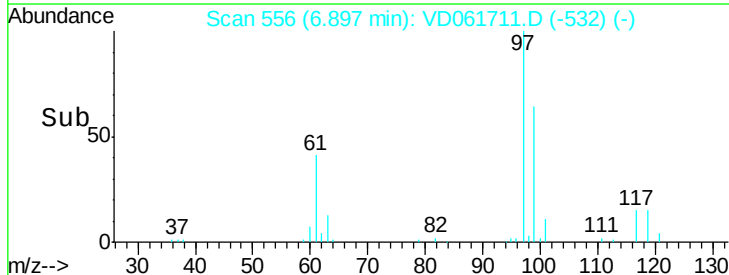
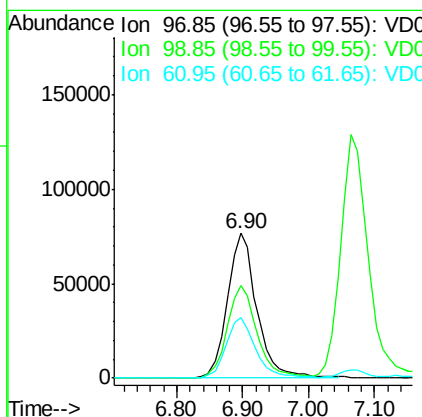
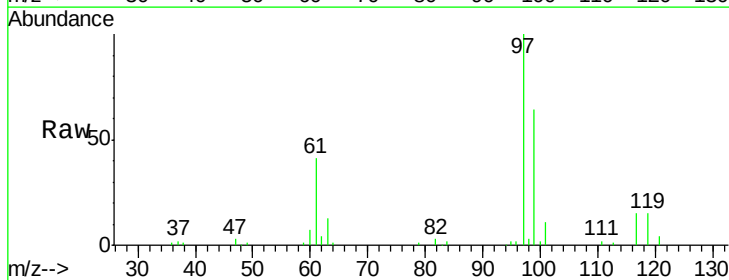
Instrument :
MSVOA_D
ClientSampleId :

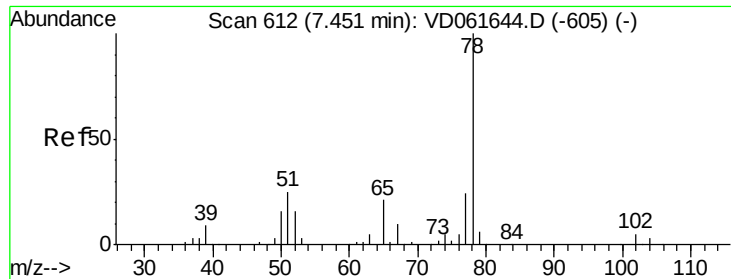
Tot Ion: 56 Resp: 186987
Ion Ratio Lower Upper
56 100
69 31.3 25.8 38.6
84 87.0 74.2 111.2



#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

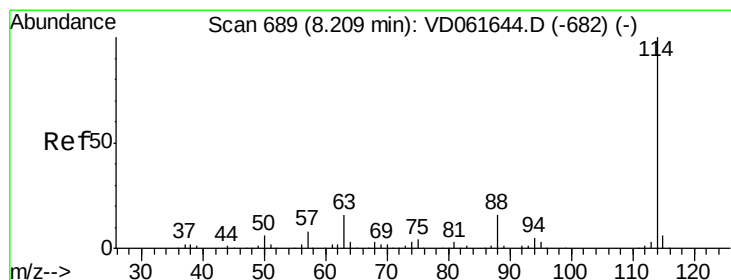
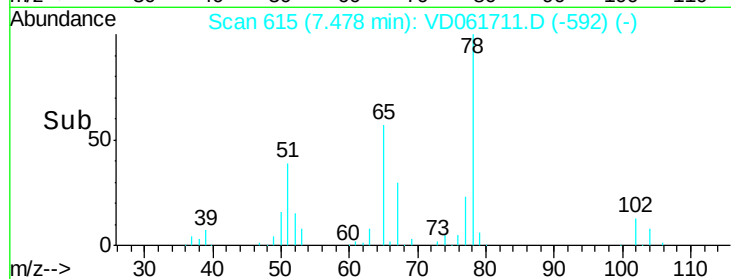
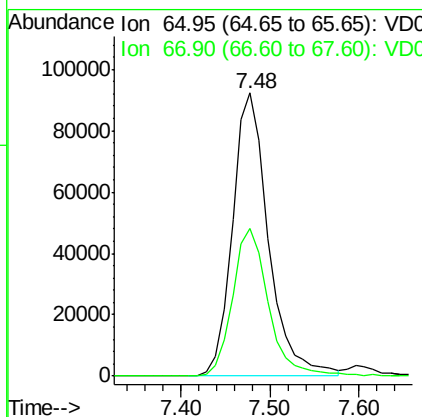
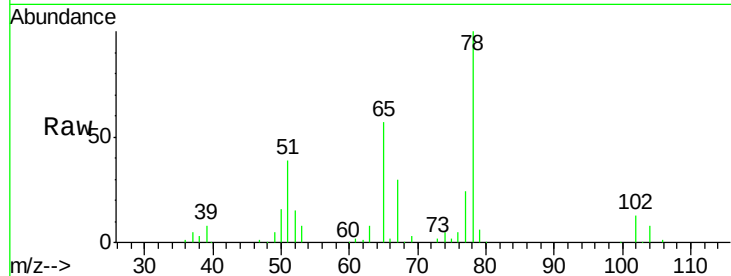




#33
 1,2-Dichloroethane-d4
 Concen: 20.613 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

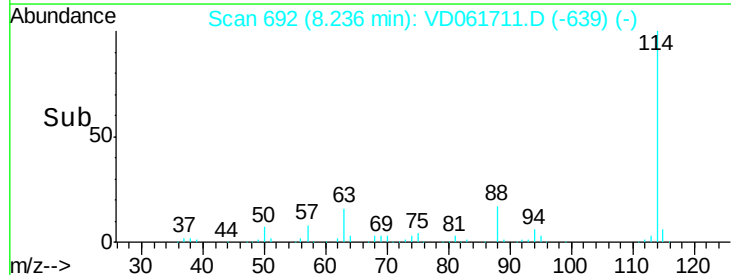
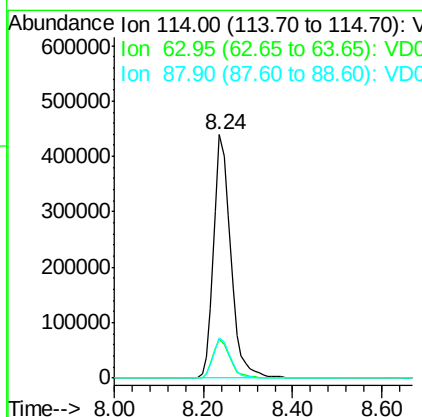
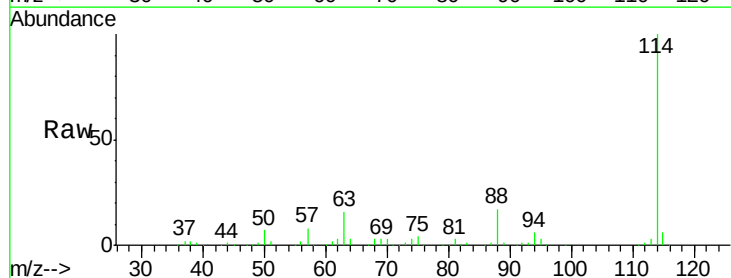
Instrument :
 MSVOA_D
 ClientSampled :

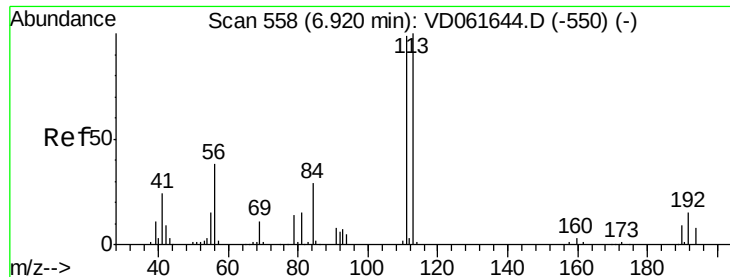
Tot Ion: 65 Resp: 259334
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 99.4



#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

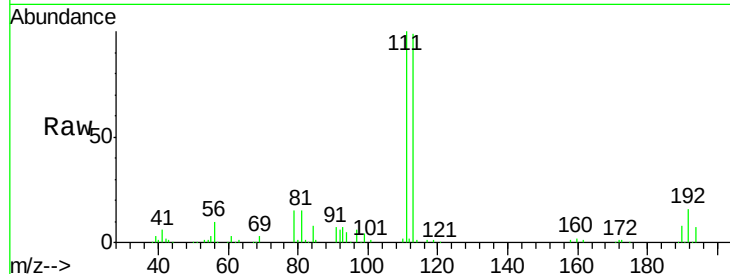




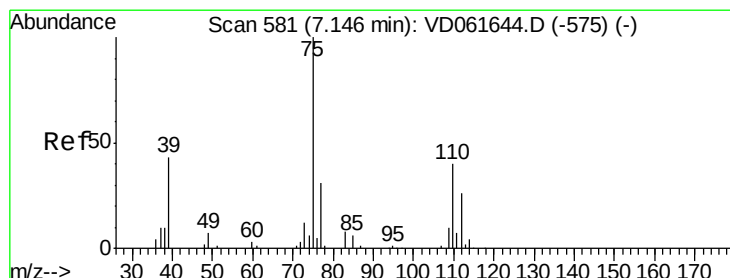
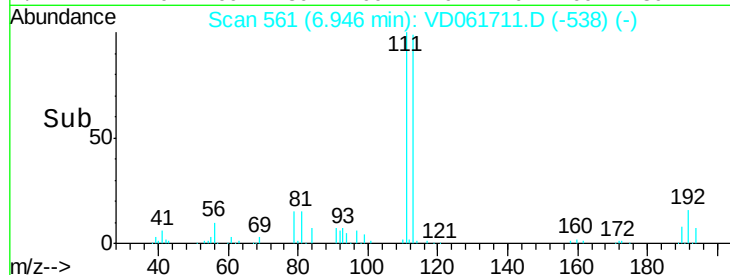
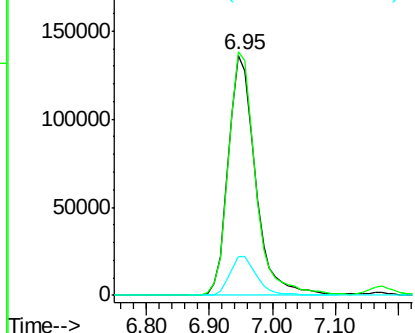
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampleId :

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

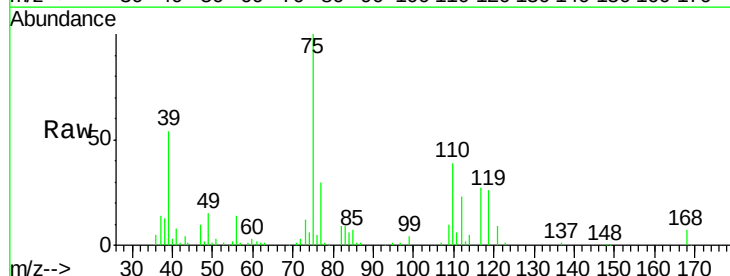


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

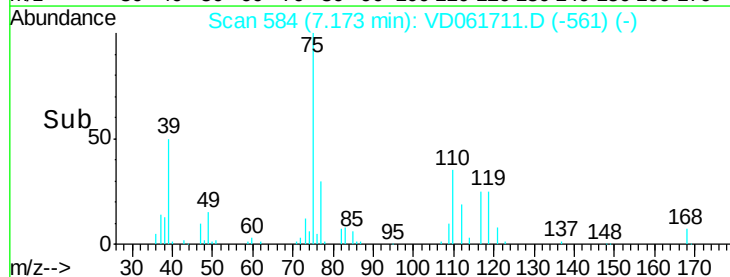
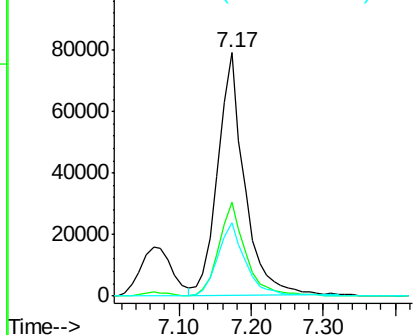


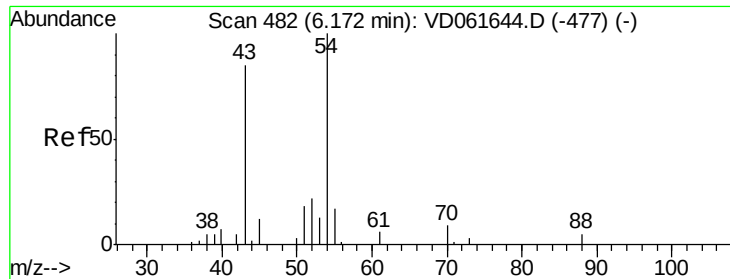
#36
 1,1-Dichloropropene
 Concen: 19.693 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

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

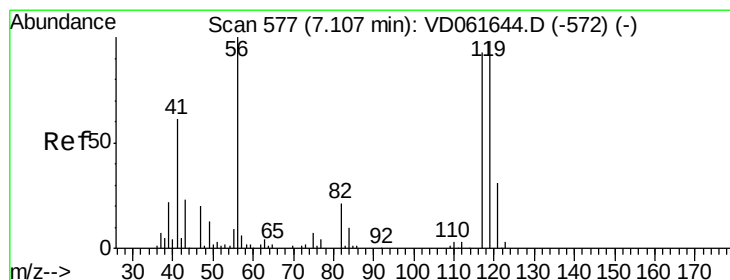
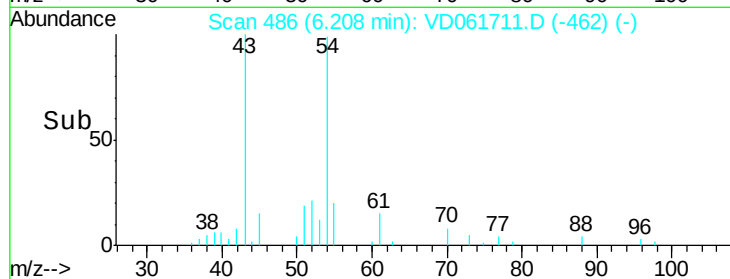
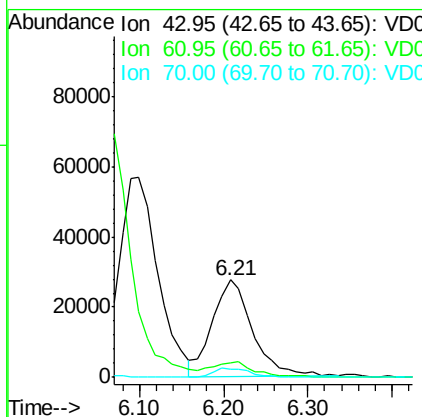
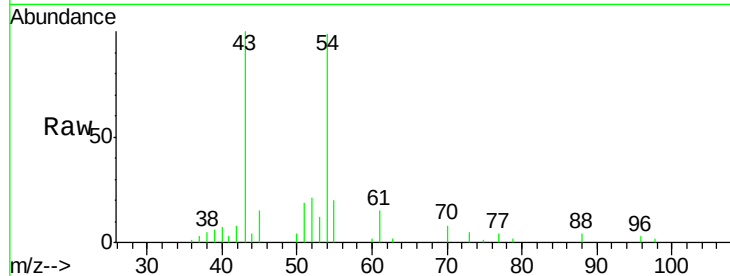




#37
Ethyl Acetate
Concen: 21.412 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

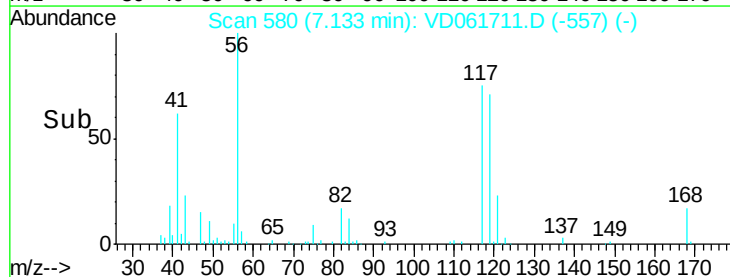
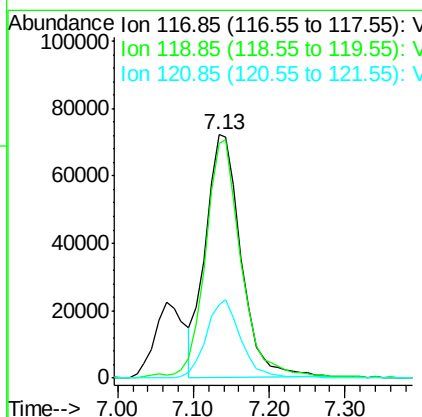
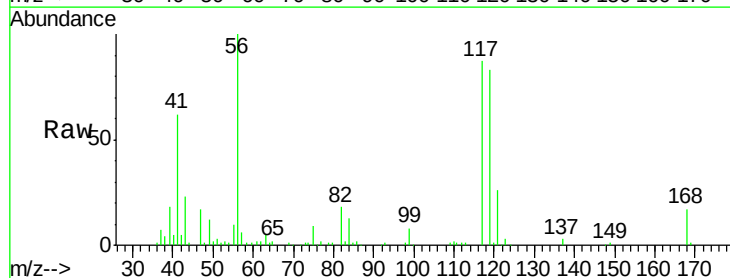
Instrument :
MSVOA_D
ClientSampleID :

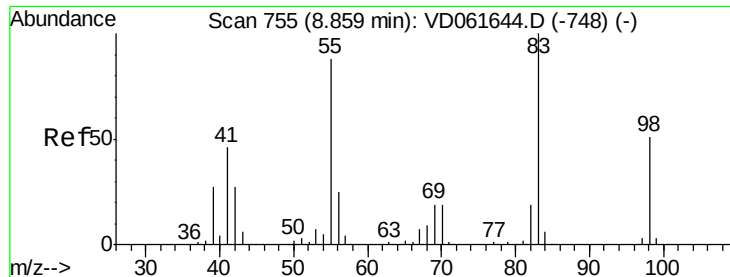
Tot Ion: 43 Resp: 89458
Ion Ratio Lower Upper
43 100
61 15.3 11.9 17.9
70 8.4 6.9 10.3



#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

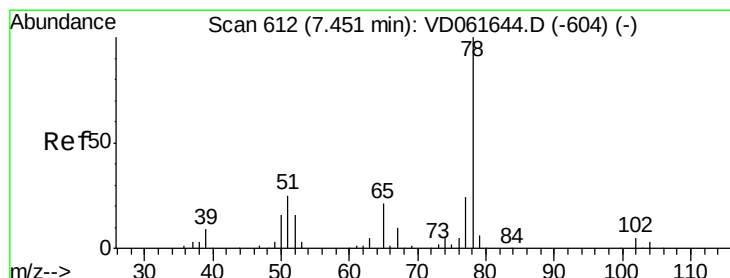
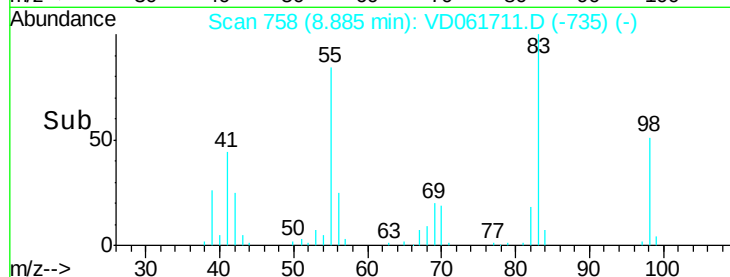
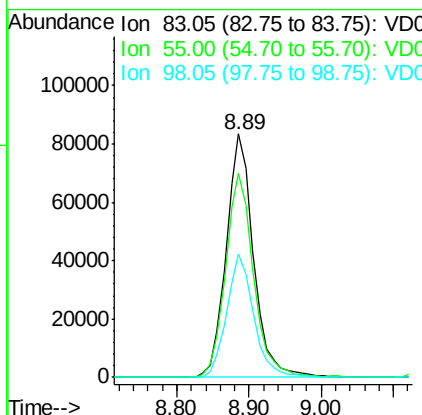
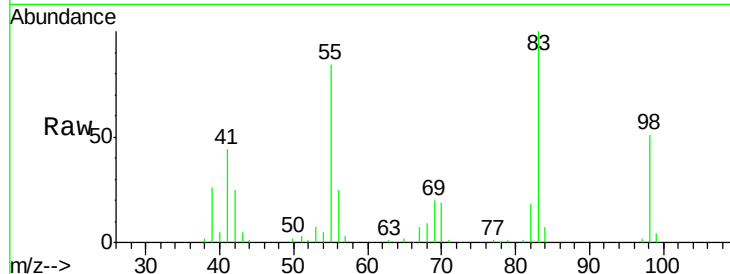




#39
Methylvlcyclohexane
Concen: 20.775 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

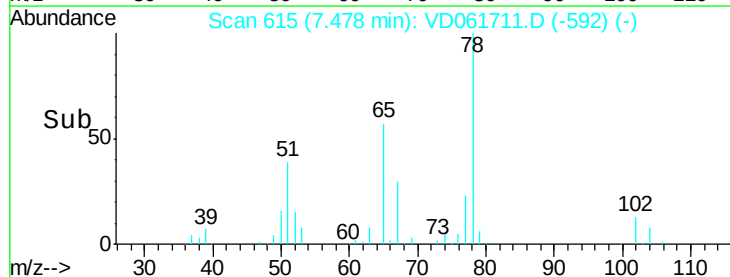
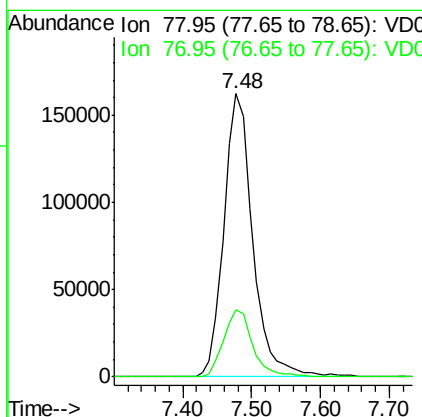
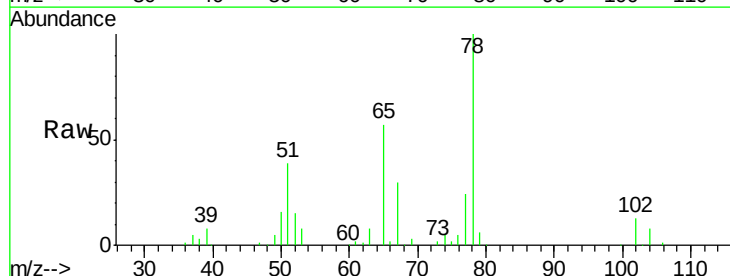
Instrument :
MSVOA_D
ClientSampled :

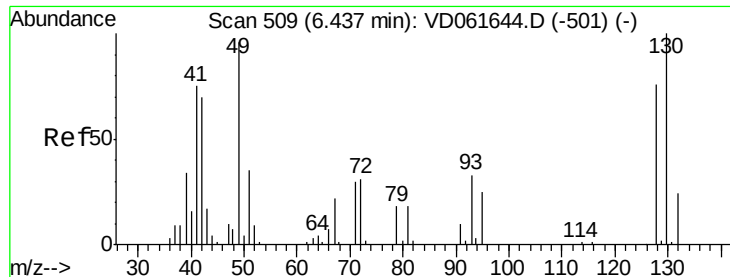
Tot Ion: 83 Resp: 218776
Ion Ratio Lower Upper
83 100
55 83.8 70.3 105.5
98 50.6 41.0 61.6



#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

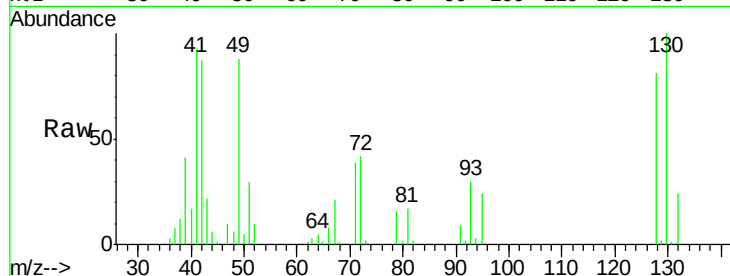




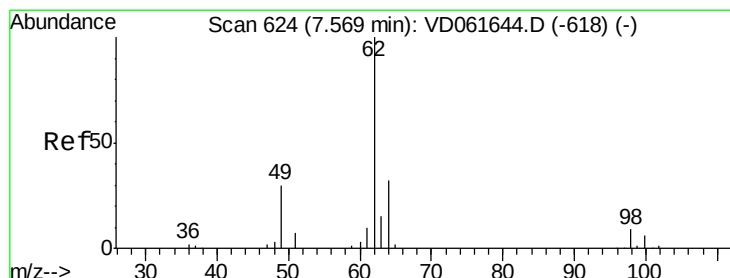
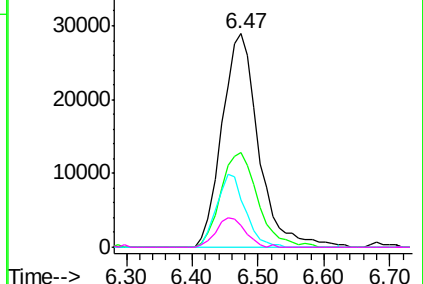
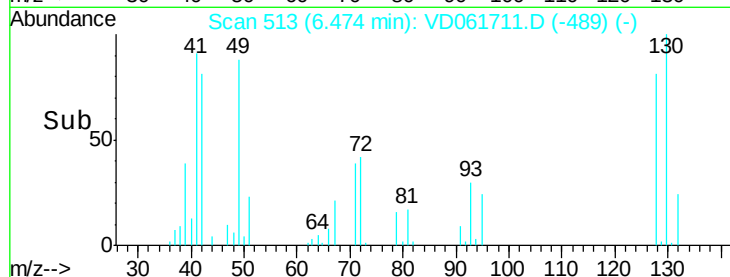
#41
Methacrylonitrile
Concen: 23.031 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.04 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :

Tot 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

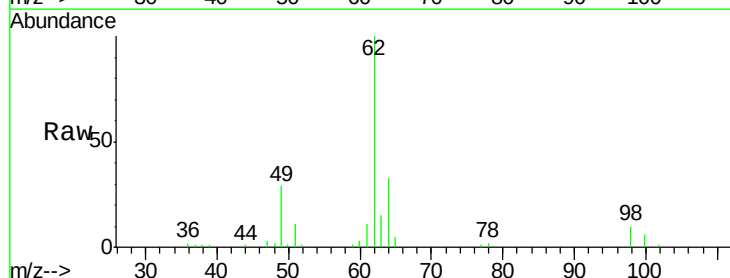


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

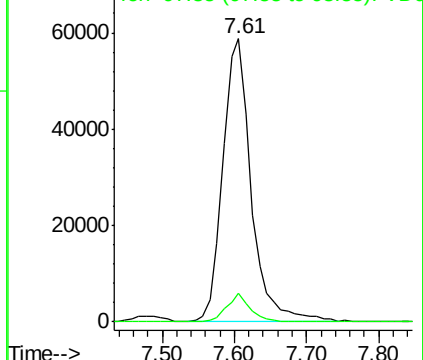
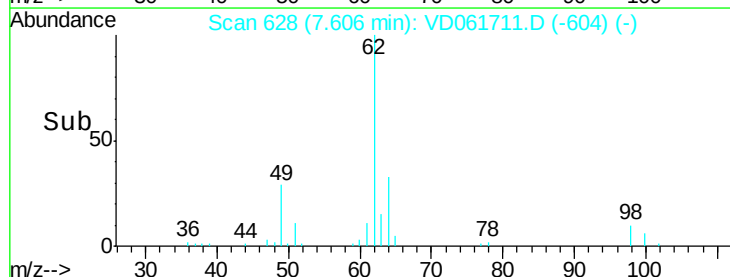


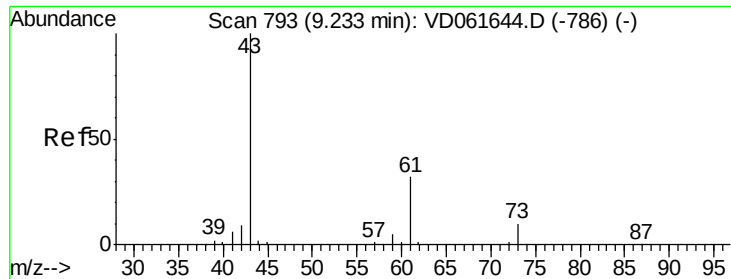
#42
1,2-Dichloroethane
Concen: 20.630 ug/l
RT: 7.61 min Scan# 628
Delta R.T. 0.04 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

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 :

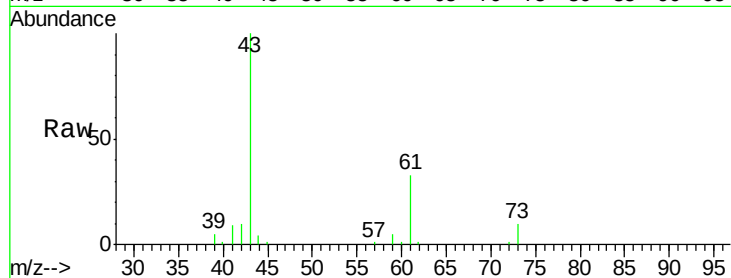
Tot Ion: 43 Resp: 125887

Ion Ratio Lower Upper

43 100

61 32.8 25.9 38.9

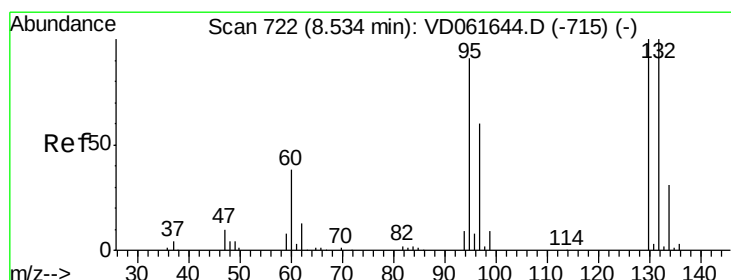
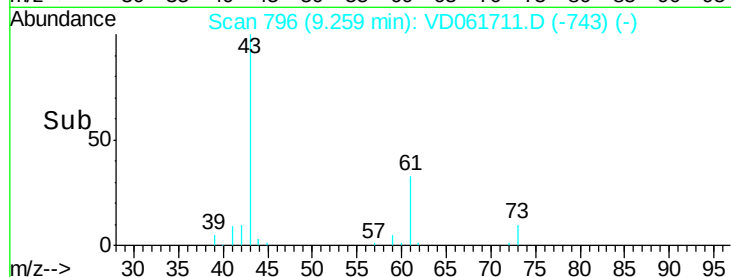
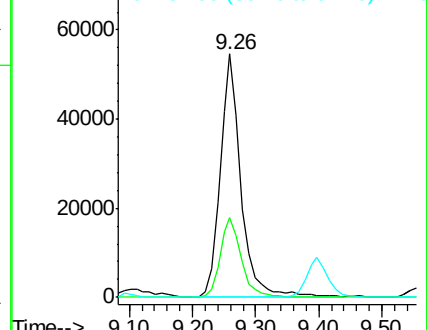
87 0.0 0.2 0.4#



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

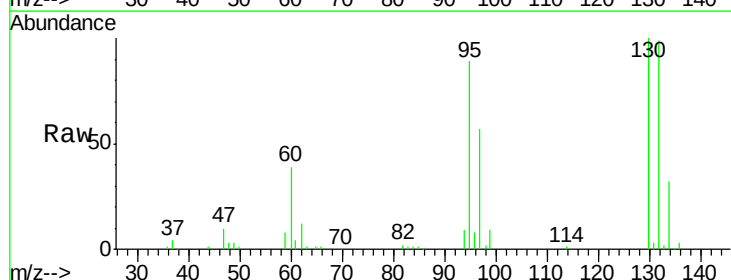
Acq: 10 Apr 2019 14:22

Tgt Ion:130 Resp: 194470

Ion Ratio Lower Upper

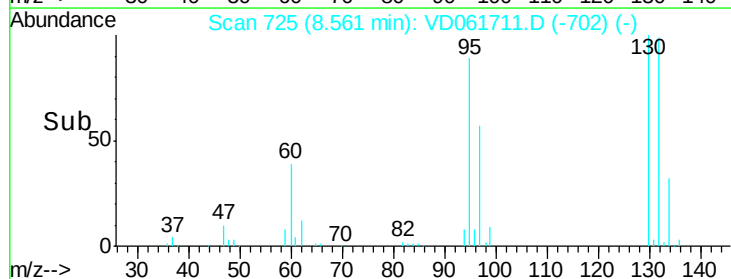
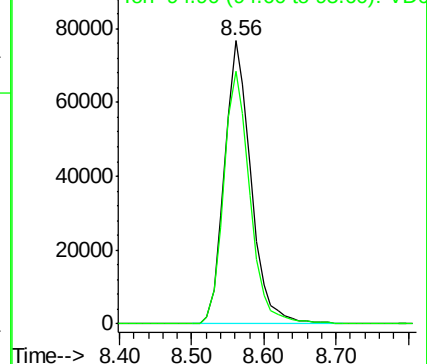
130 100

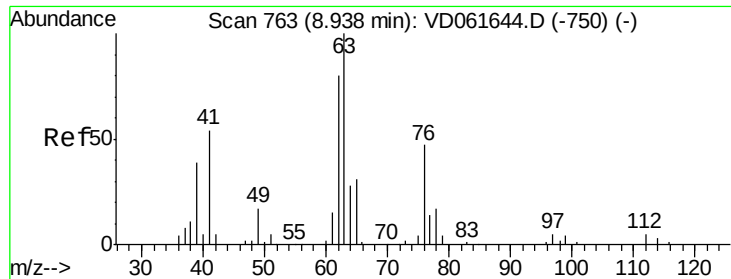
95 89.3 0.0 181.8



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

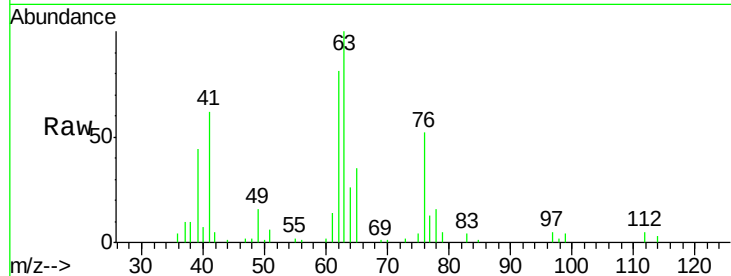
ClientSampled :

Tot Ion: 63 Resp: 119553

Ion Ratio Lower Upper

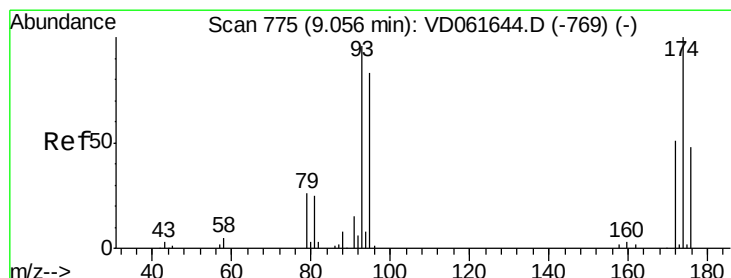
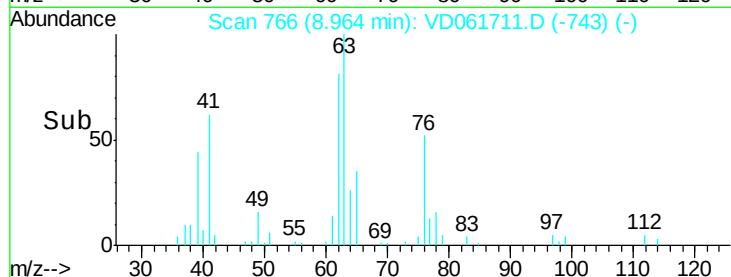
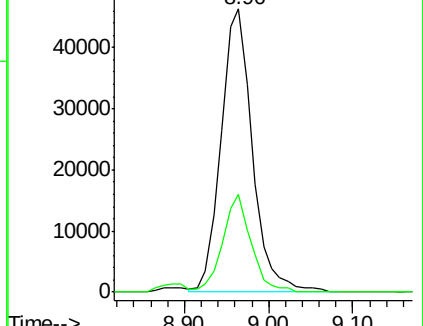
63 100

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

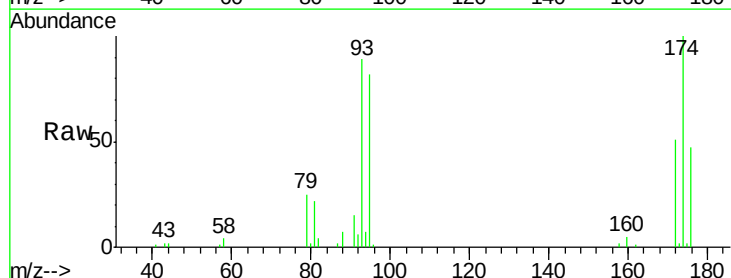
Tgt Ion: 93 Resp: 88290

Ion Ratio Lower Upper

93 100

95 91.6 68.6 103.0

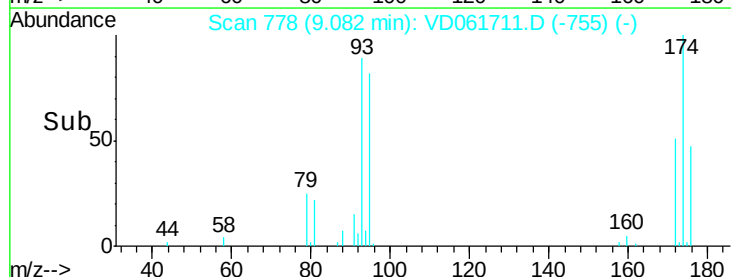
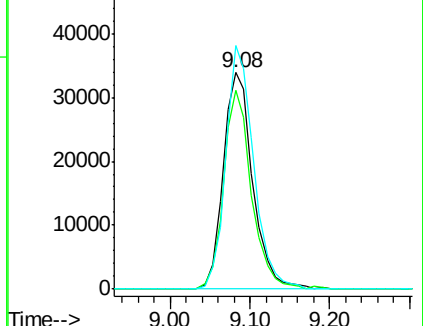
174 112.4 83.0 124.4

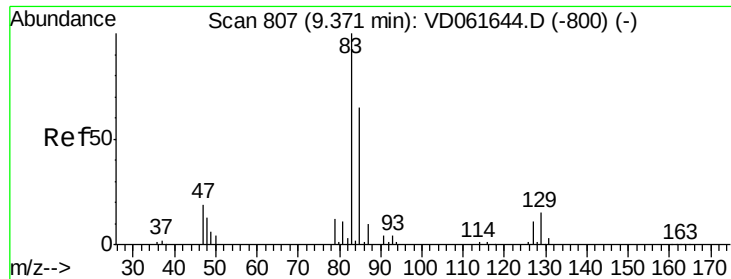


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#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 :

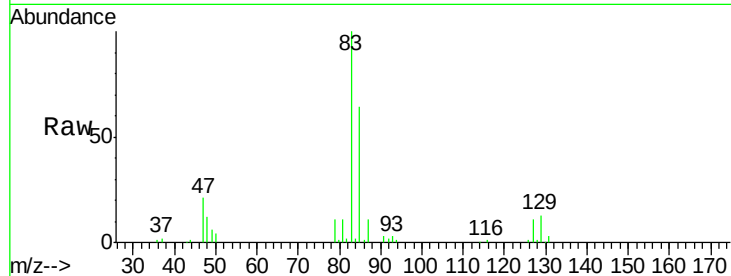
Tot Ion: 83 Resp: 198091

Ion Ratio Lower Upper

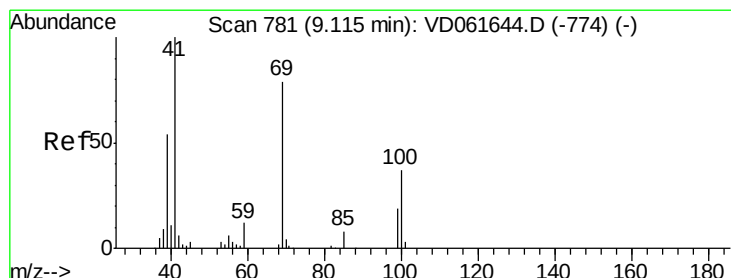
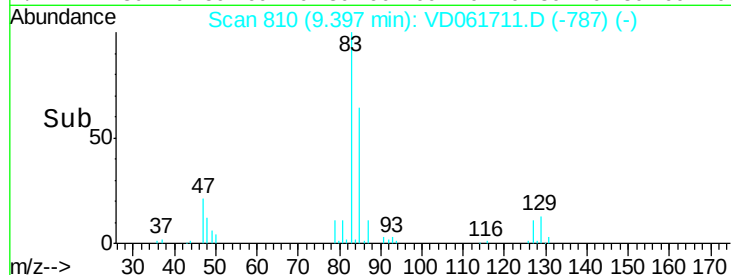
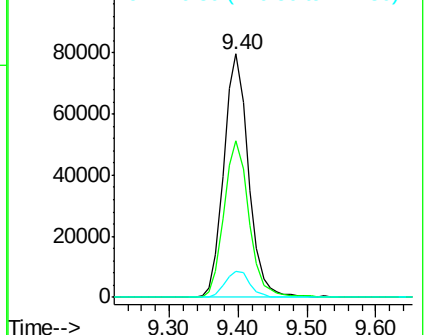
83 100

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): V



#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

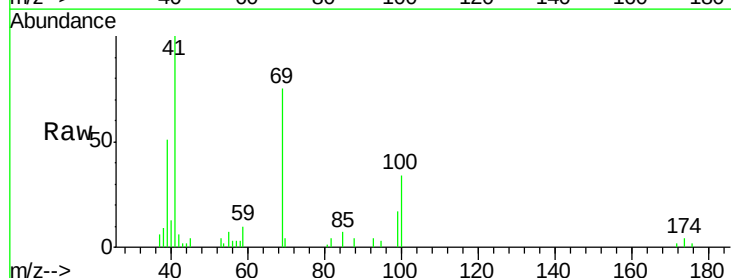
Tgt Ion: 41 Resp: 70532

Ion Ratio Lower Upper

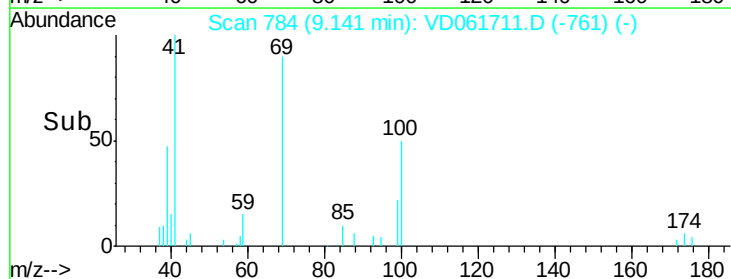
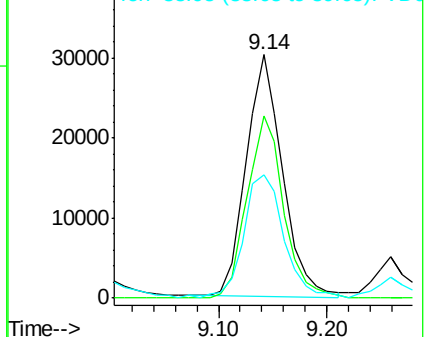
41 100

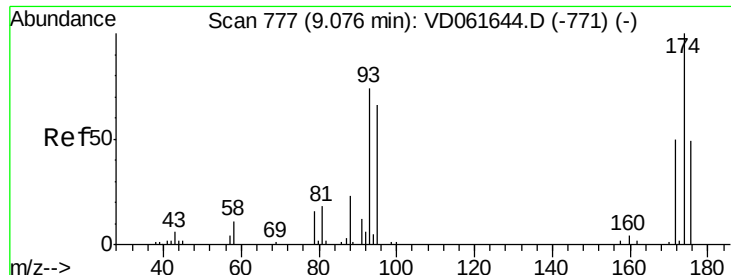
69 75.0 63.1 94.7

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

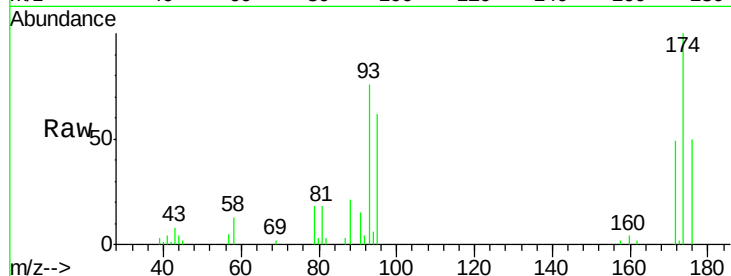




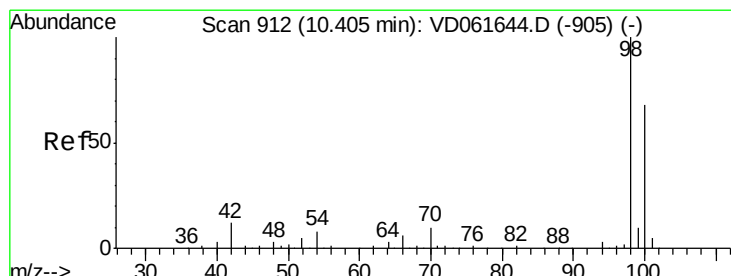
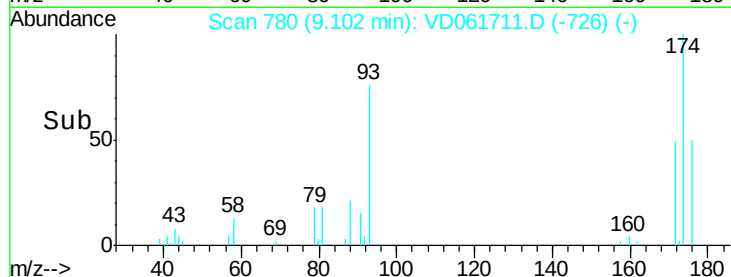
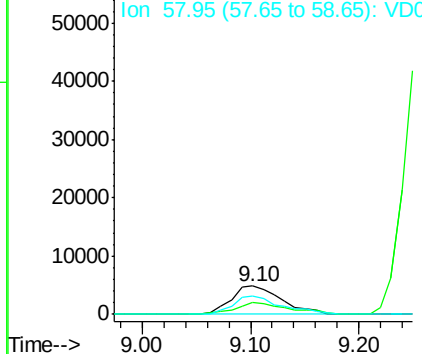
#49
1,4-Dioxane
Concen: 405.265 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.03 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampleId :

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

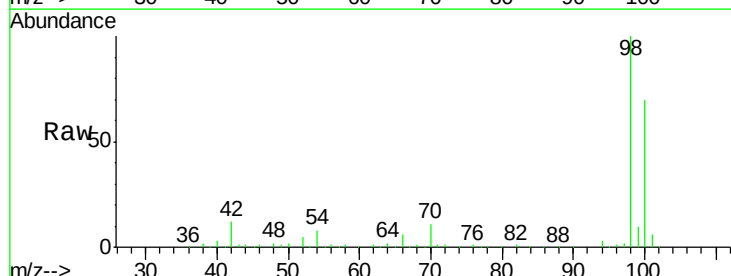


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

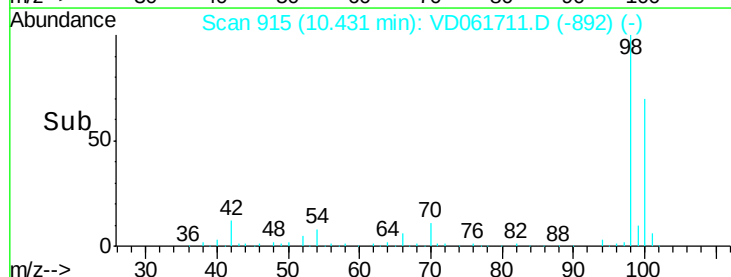
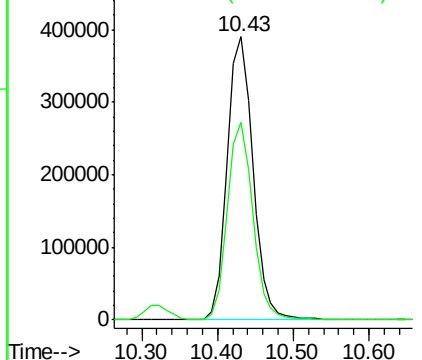


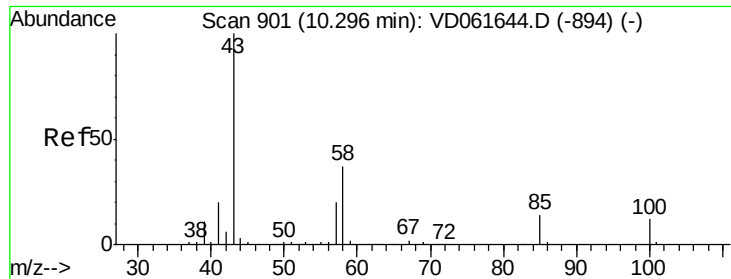
#50
Toluene-d8
Concen: 405.265 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

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

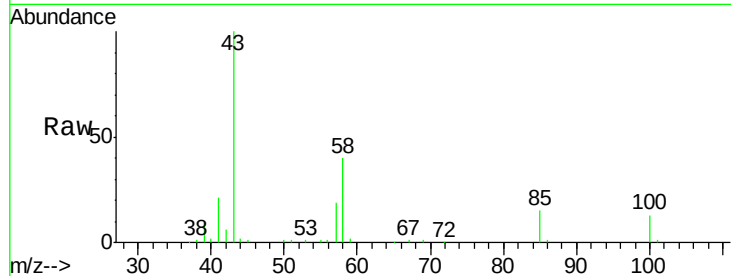
ClientSampleId :

Tot Ion: 43 Resp: 379908

Ion Ratio Lower Upper

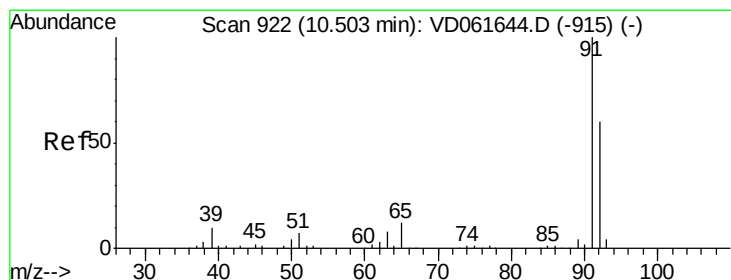
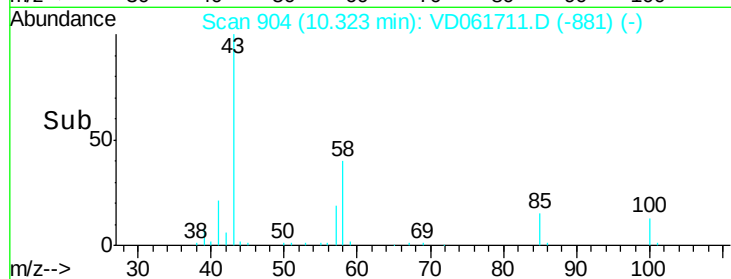
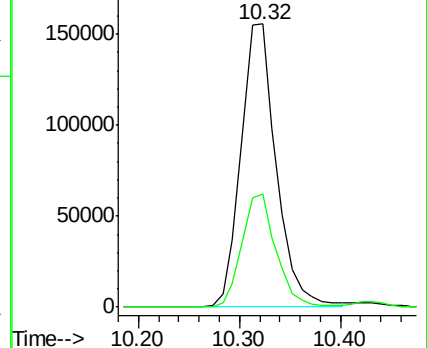
43 100

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



#52

Toluene

Concen: 19.620 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061711.D

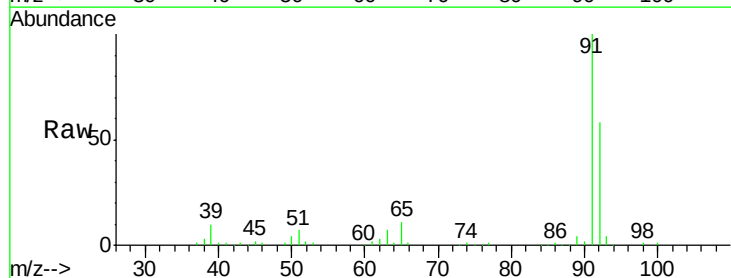
Acq: 10 Apr 2019 14:22

Tgt Ion: 92 Resp: 303178

Ion Ratio Lower Upper

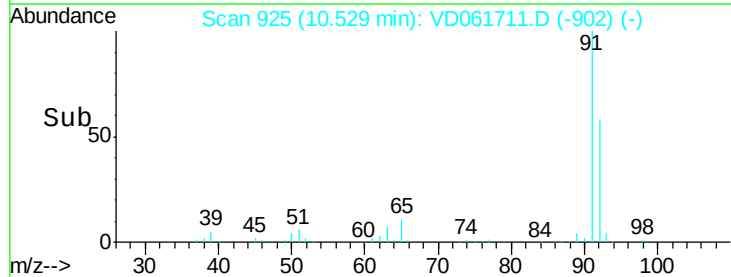
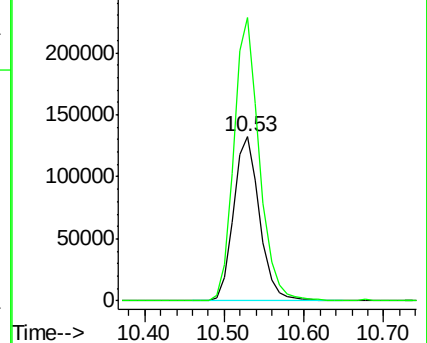
92 100

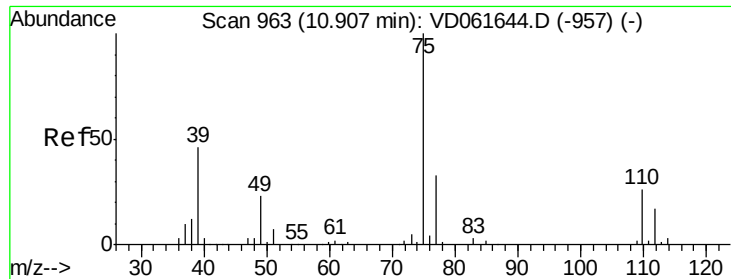
91 172.7 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

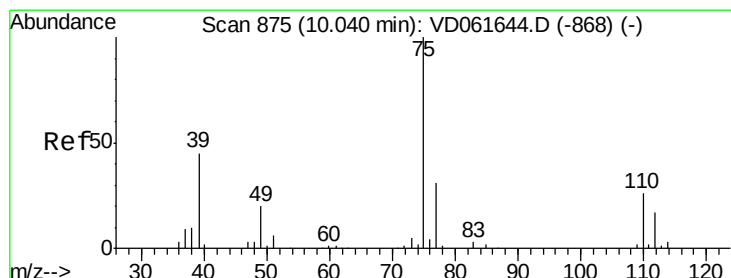
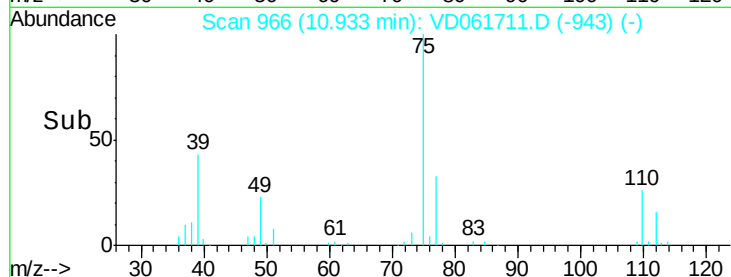
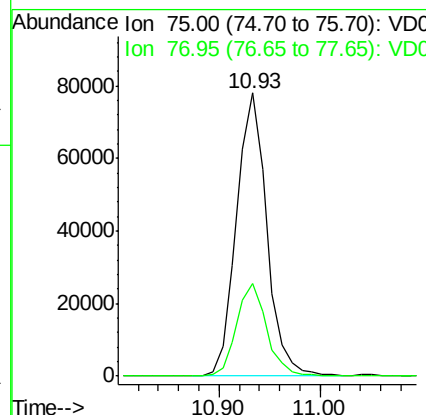
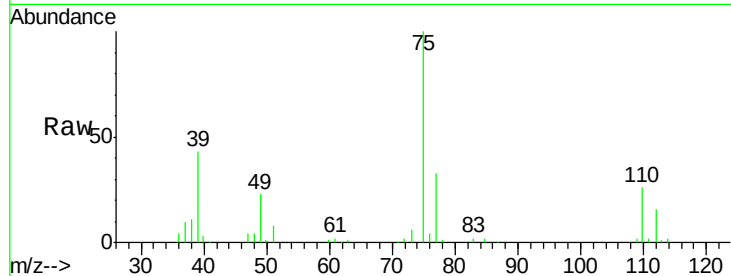




#53
 t-1,3-Dichloropropene
 Concen: 19.341 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

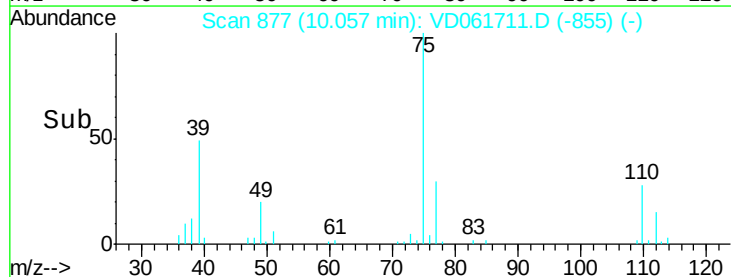
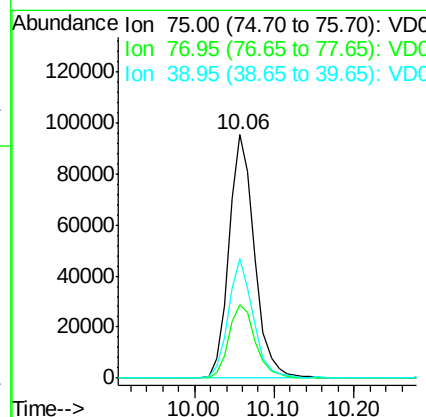
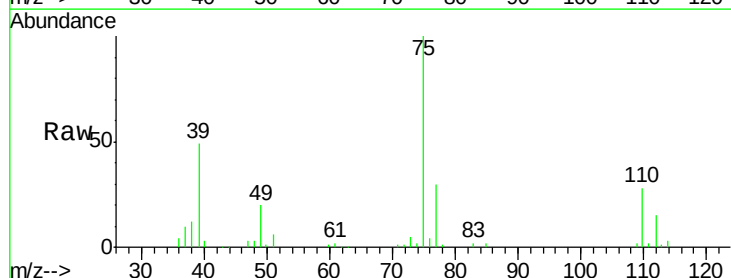
Instrument :
 MSVOA_D
 ClientSampleId :

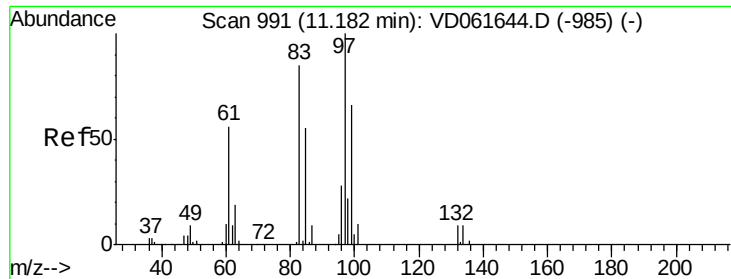
Tot Ion: 75 Resp: 163316
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.2 39.2



#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 :

Tot Ion: 97 Resp: 99789

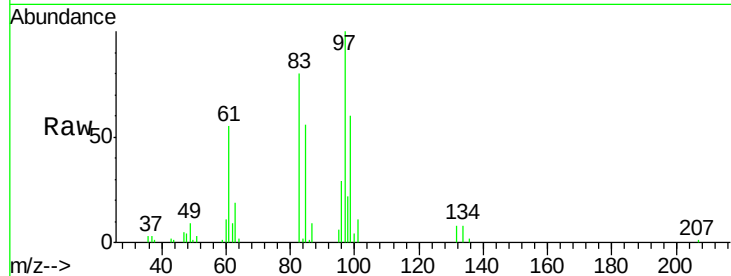
Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.8	101.6
85	56.4	43.8	65.8
99	60.5	52.8	79.2

97 100

83 79.9 67.8 101.6

85 56.4 43.8 65.8

99 60.5 52.8 79.2

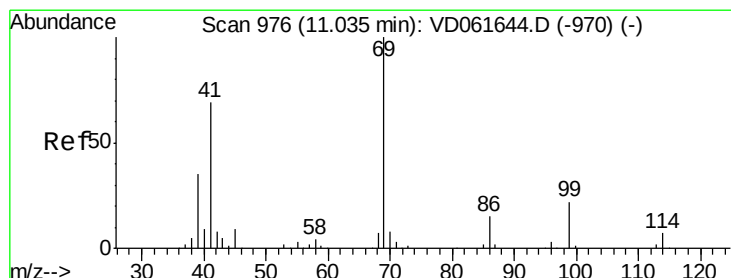
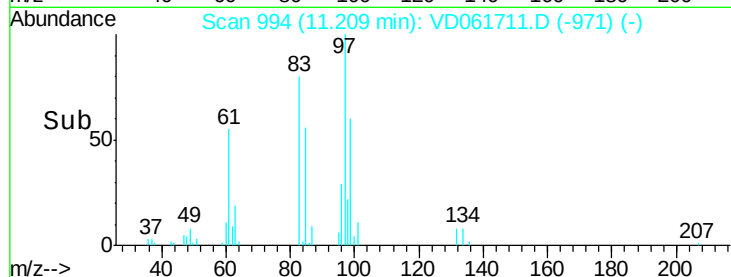
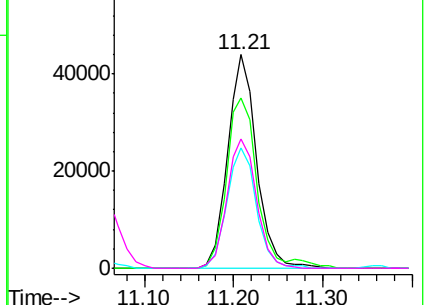


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 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

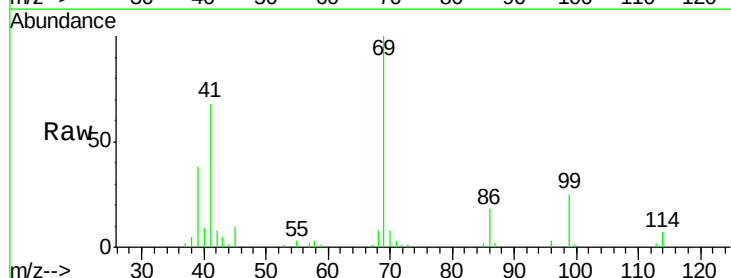
Tgt Ion: 69 Resp: 109035

Ion	Ratio	Lower	Upper
69	100		
41	67.5	55.2	82.8
39	37.7	28.6	43.0

69 100

41 67.5 55.2 82.8

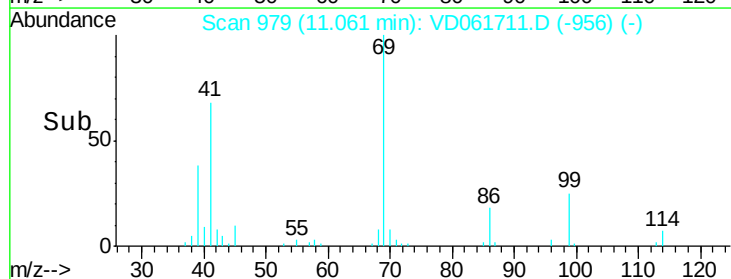
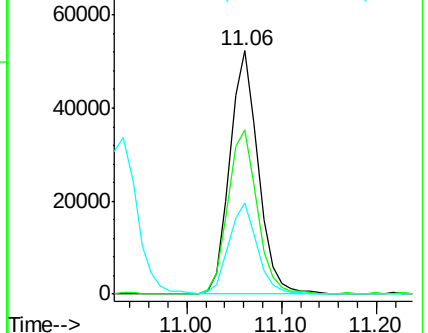
39 37.7 28.6 43.0

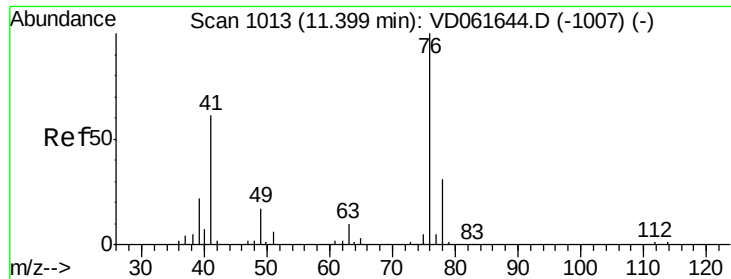


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

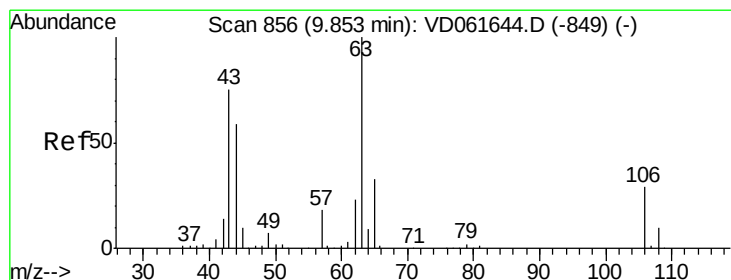
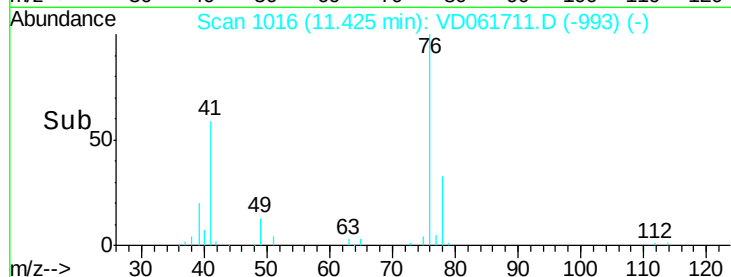
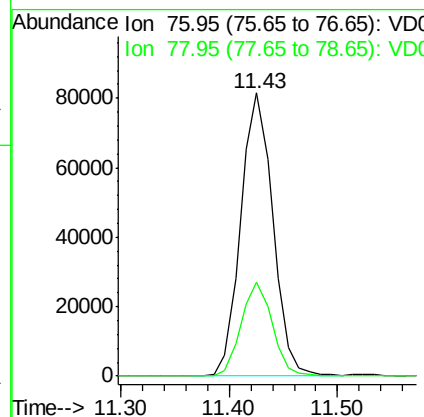
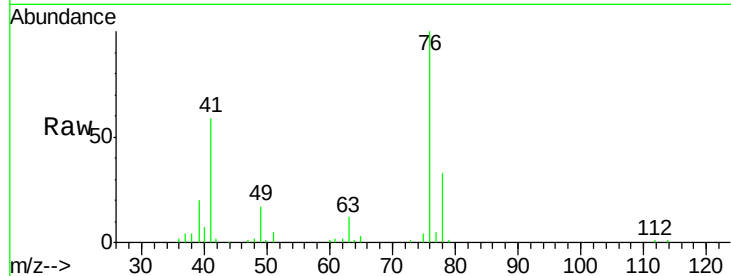




#57
 1,3-Dichloropropane
 Concen: 22.050 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

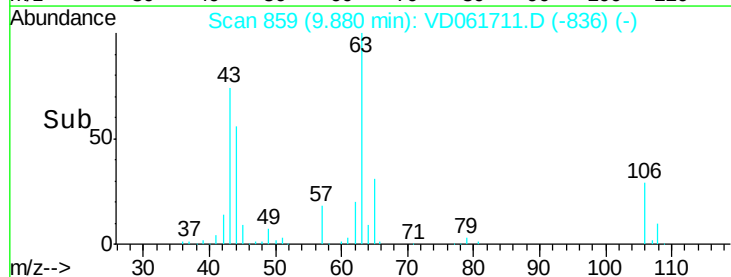
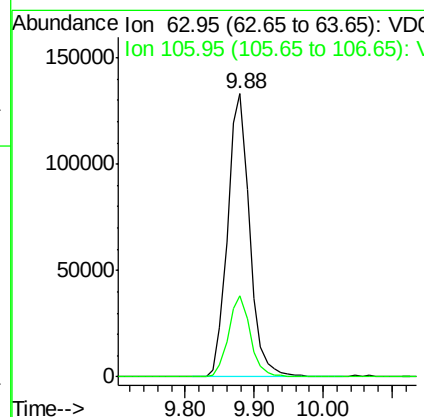
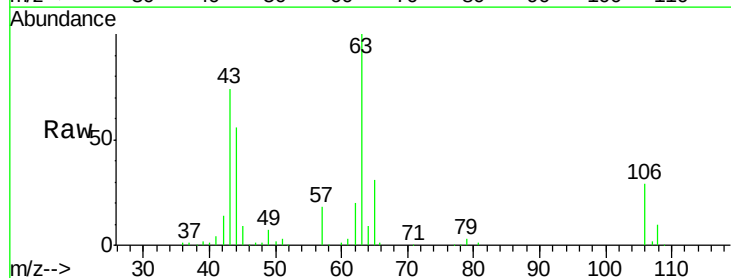
Instrument :
 MSVOA_D
 ClientSampled :

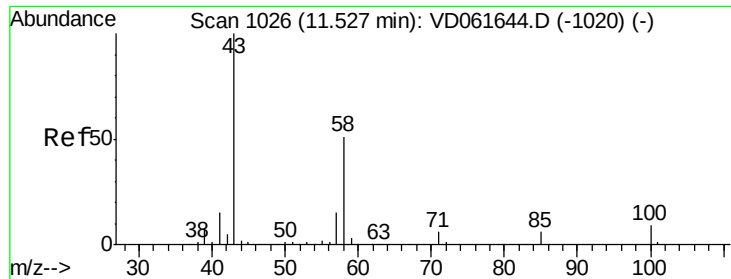
Tot Ion: 76 Resp: 168288
 Ion Ratio Lower Upper
 76 100
 78 33.2 24.5 36.7



#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

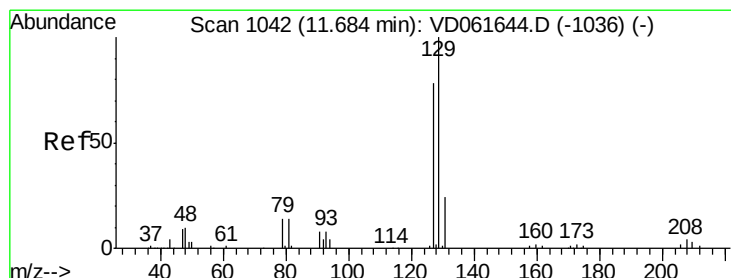
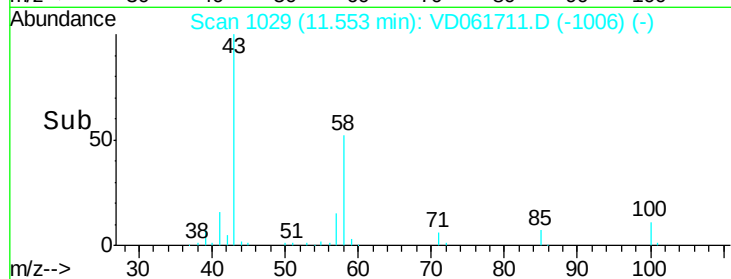
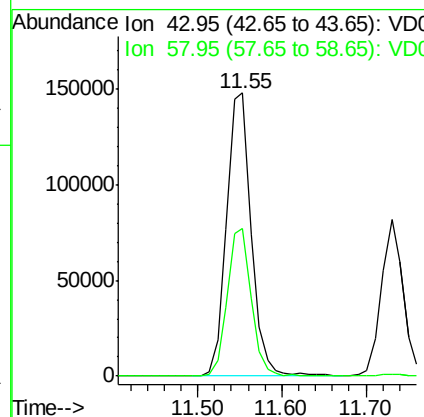
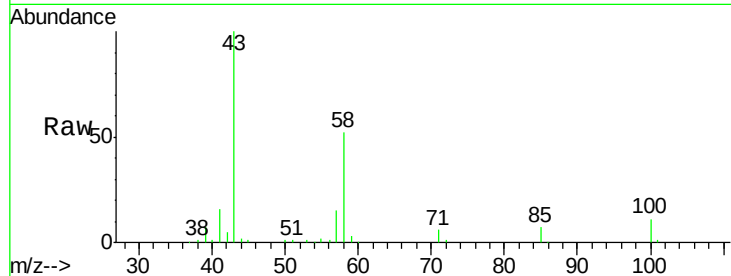




#59
2-Hexanone
Concen: 108.187 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

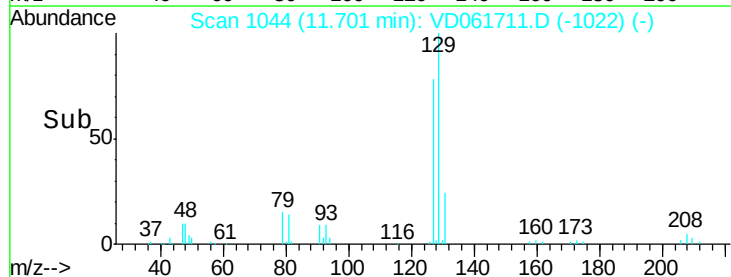
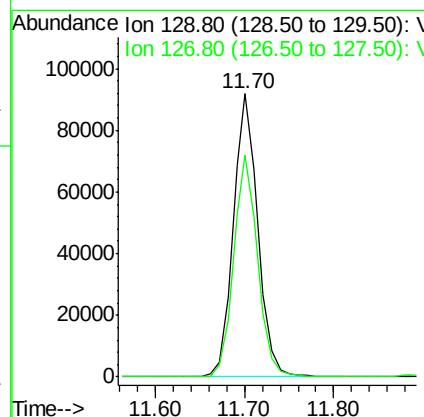
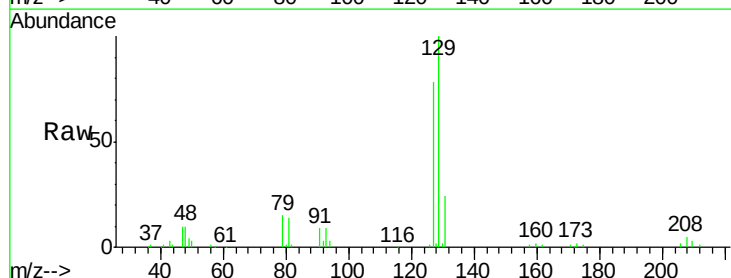
Instrument :
MSVOA_D
ClientSampleId :

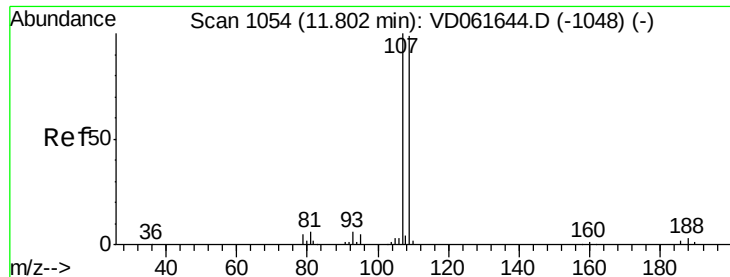
Tot Ion: 43 Resp: 301081
Ion Ratio Lower Upper
43 100
58 52.2 25.6 76.8



#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

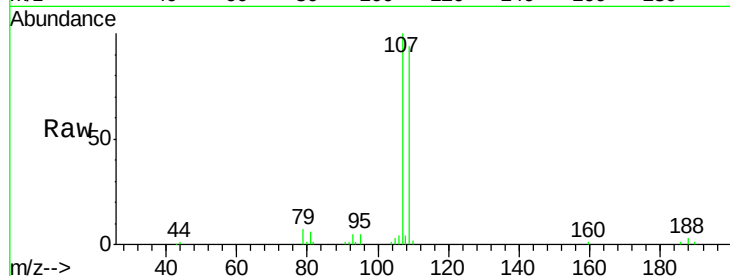
ClientSampleId :

Tot 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

11.82

80000

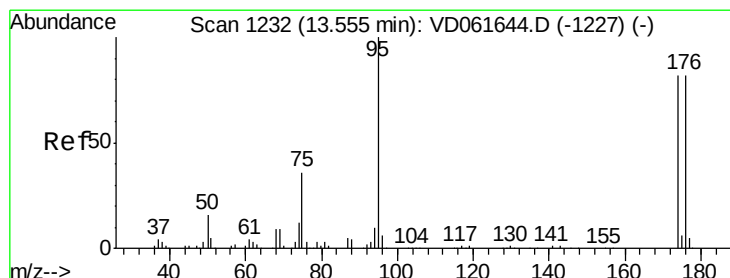
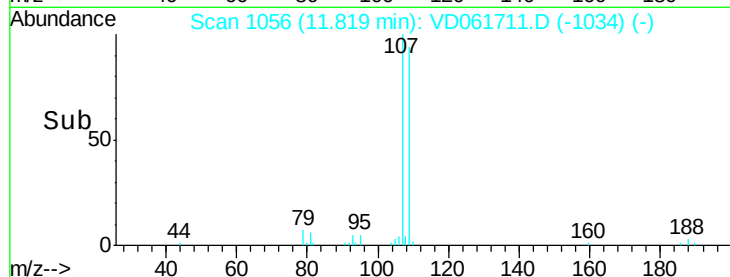
60000

40000

20000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 21.510 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061711.D

Acq: 10 Apr 2019 14:22

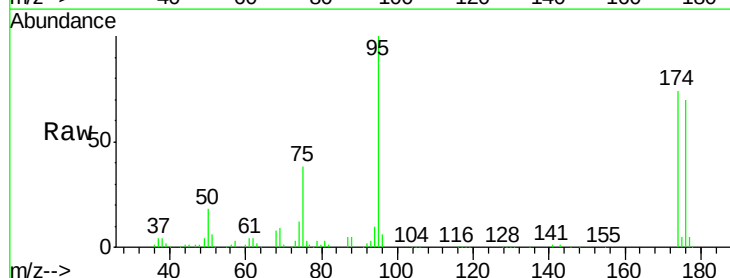
Tgt Ion: 95 Resp: 362024

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

300000

250000

200000

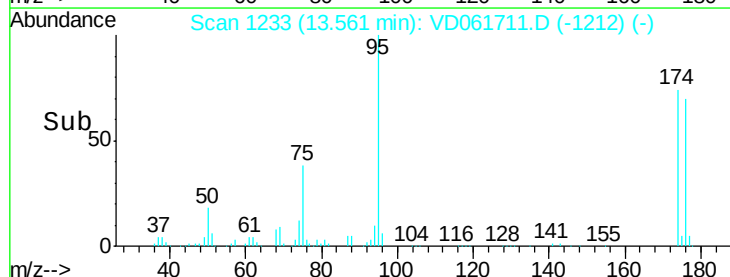
150000

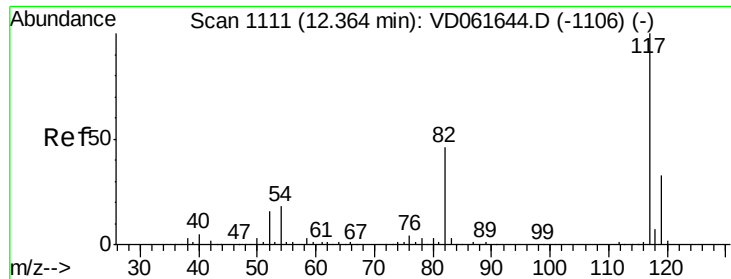
100000

50000

0

Time--> 13.50 13.60 13.70

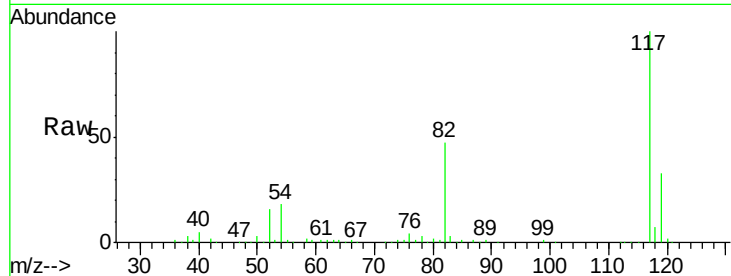




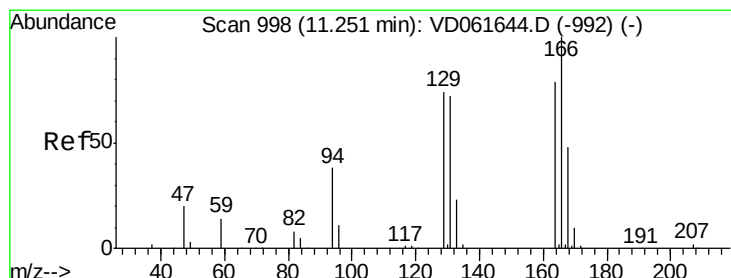
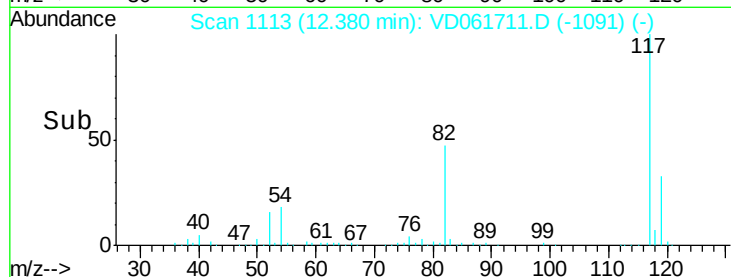
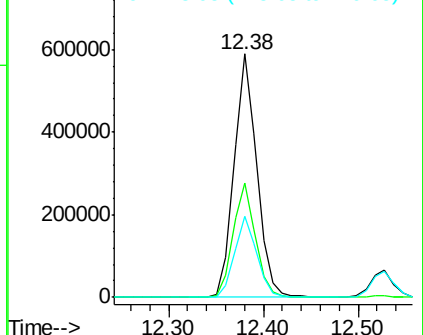
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampled :

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

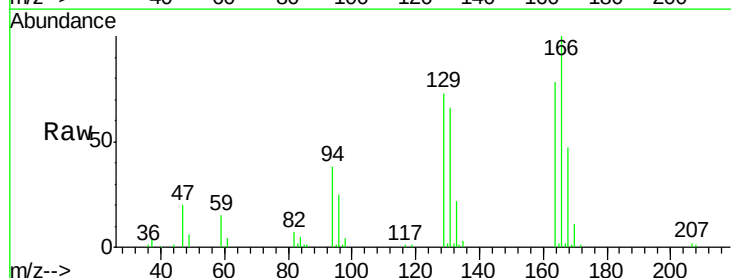


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

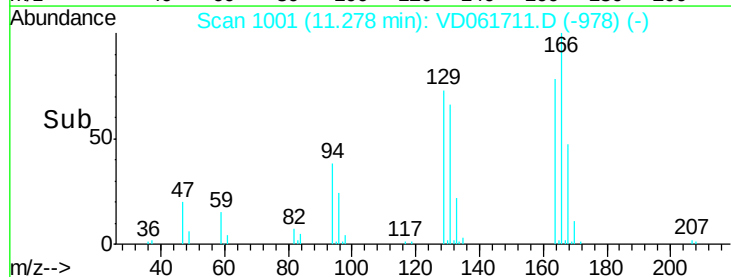
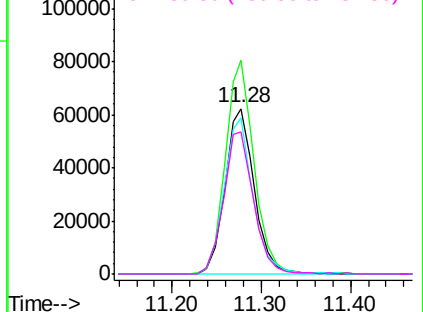


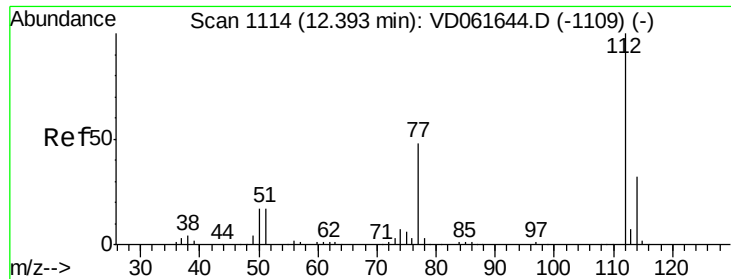
#64
Tetrachloroethene
Concen: 18.861 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

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

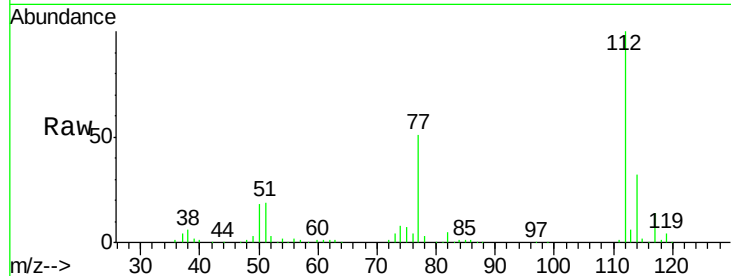




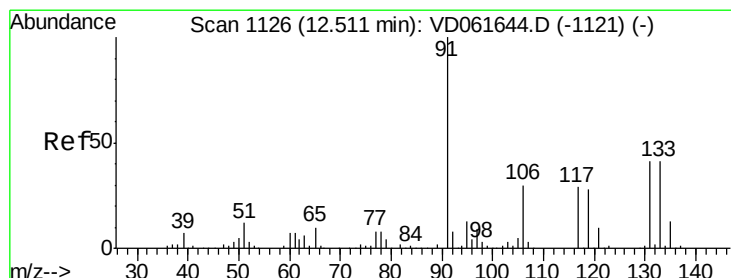
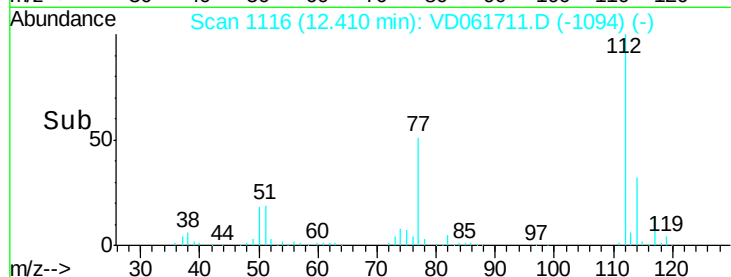
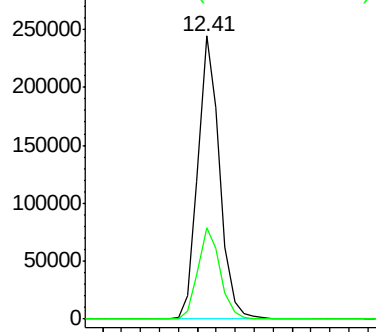
#65
Chlorobenzene
Concen: 19.952 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampled :

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

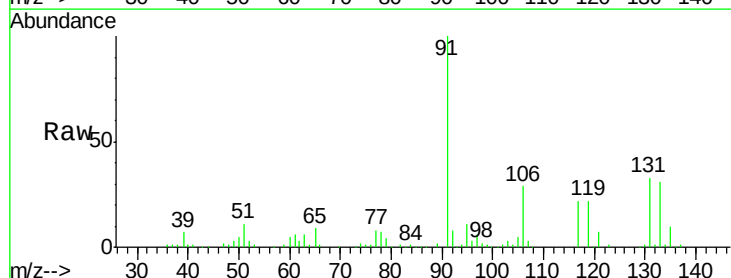


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

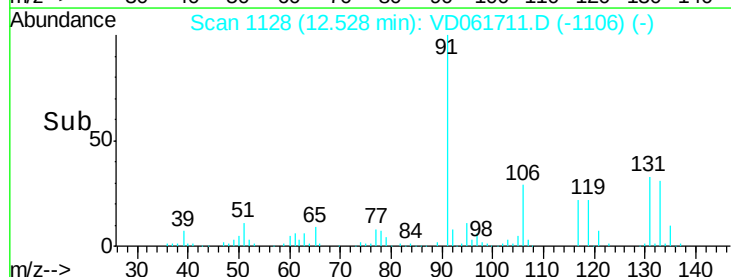
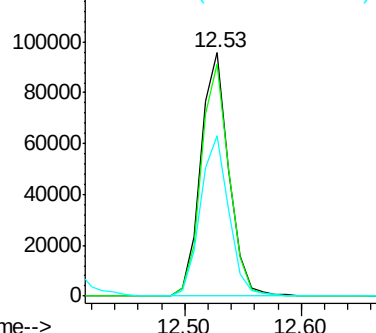


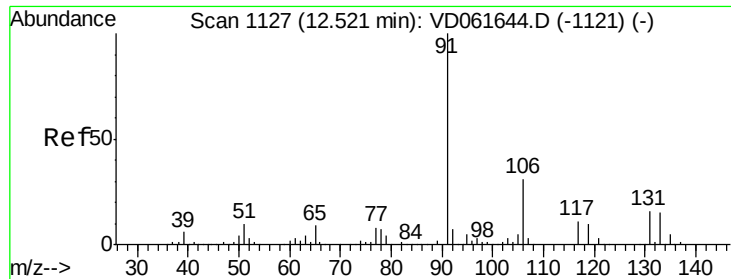
#66
1,1,1,2-Tetrachloroethane
Concen: 21.391 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

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

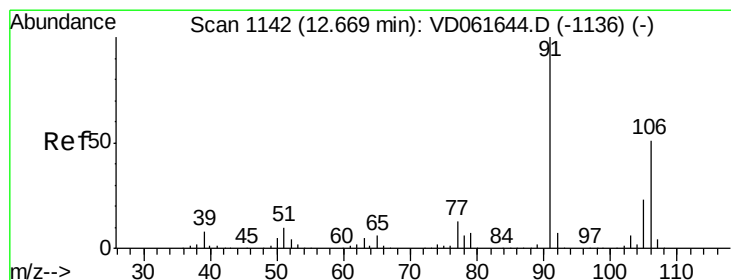
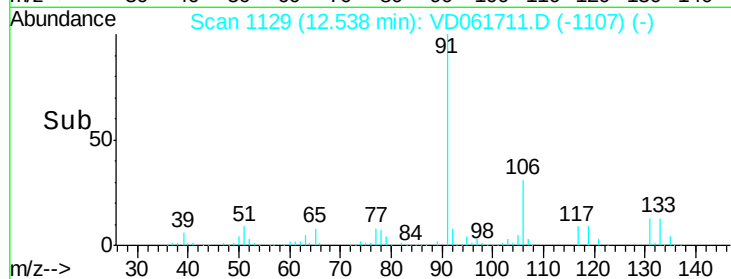
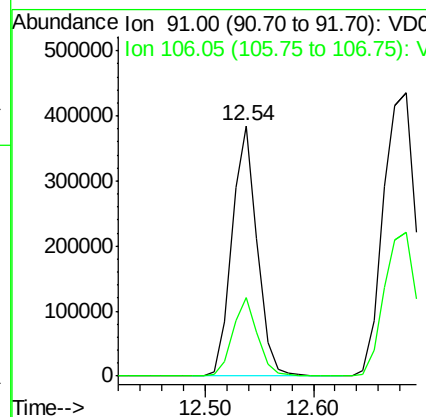
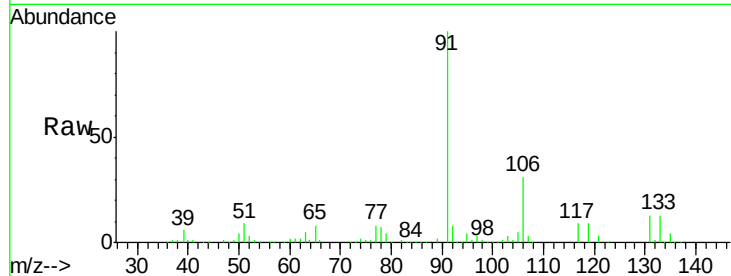




#67
Ethyl Benzene
Concen: 21.032 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

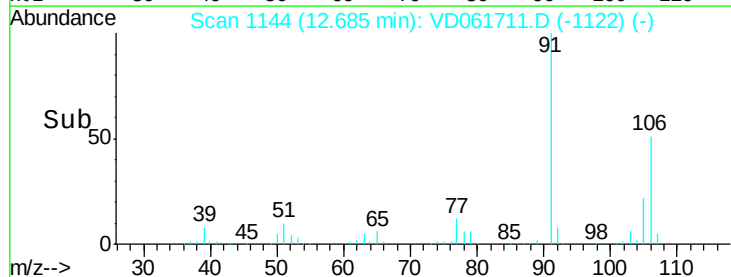
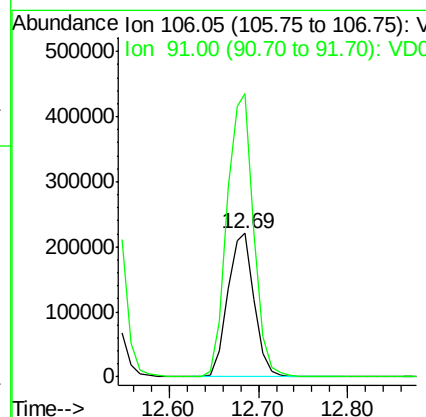
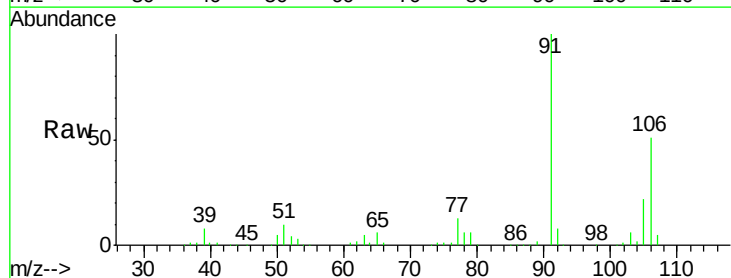
Instrument :
MSVOA_D
ClientSampled :

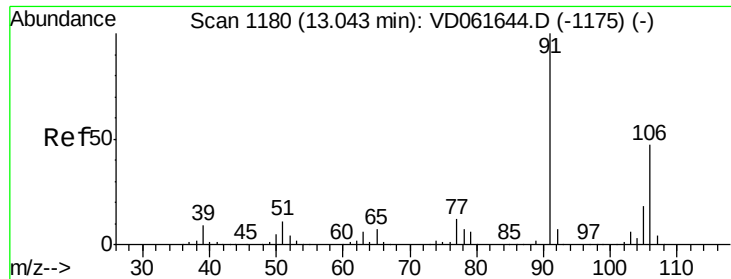
Tot Ion: 91 Resp: 621020
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0



#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

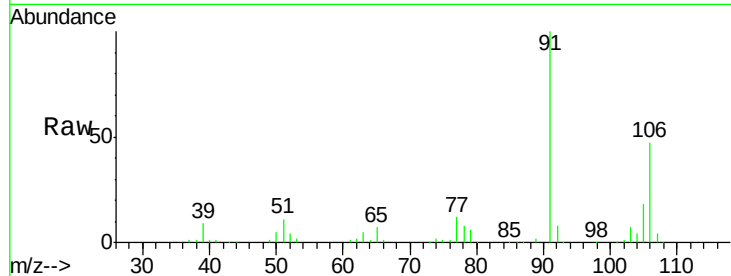




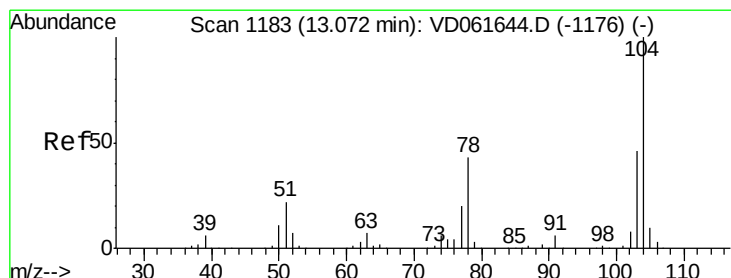
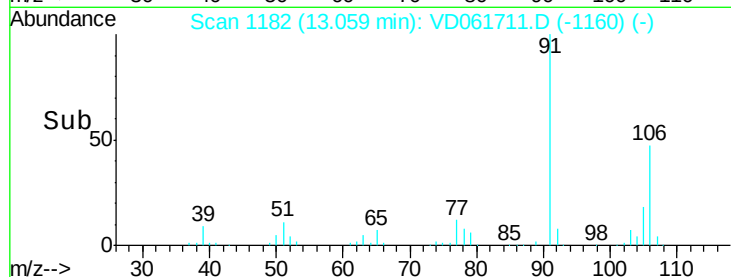
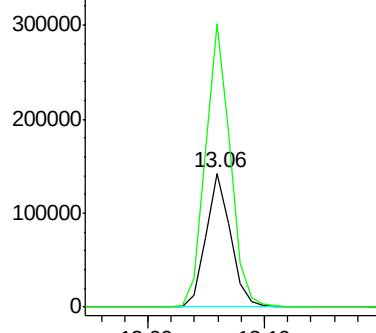
#69
o-Xylene
Concen: 18.984 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

Instrument :
MSVOA_D
ClientSampled :

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

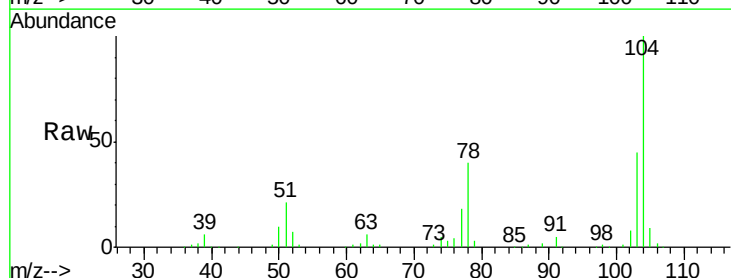


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

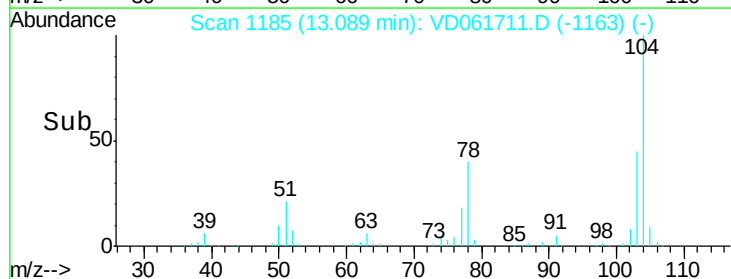
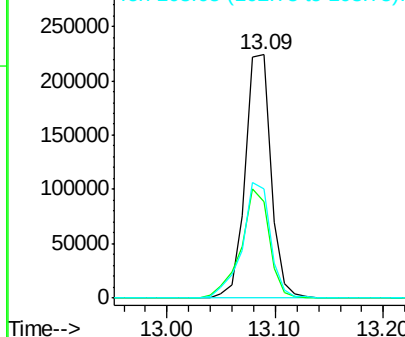


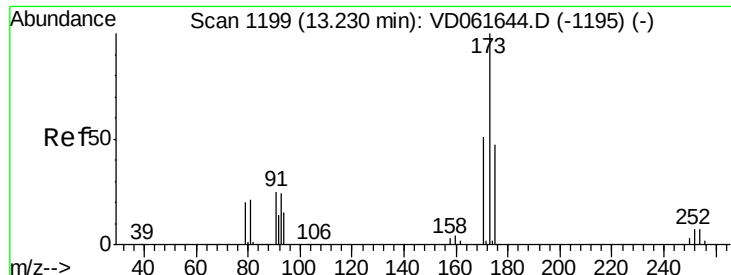
#70
Styrene
Concen: 19.775 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061711.D
Acq: 10 Apr 2019 14:22

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 :

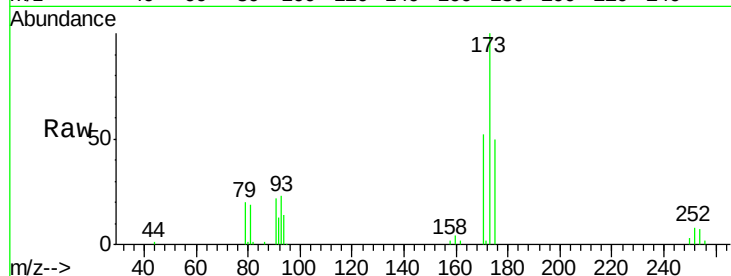
Tot Ion:173 Resp: 95425

Ion Ratio Lower Upper

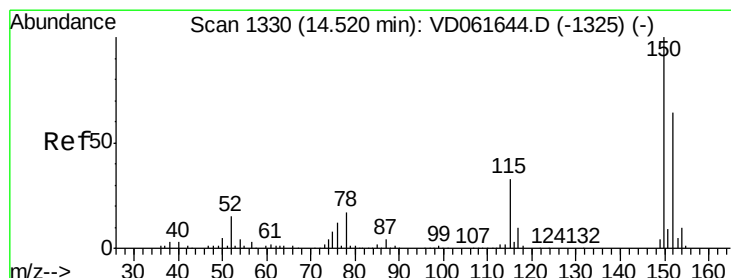
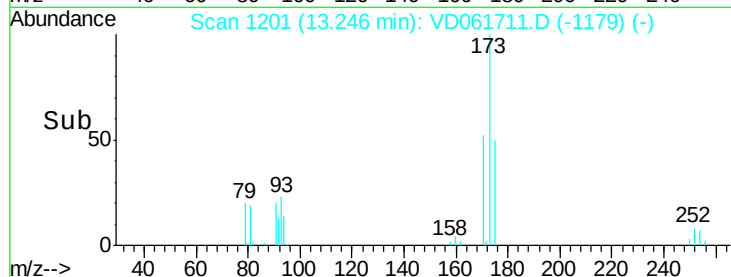
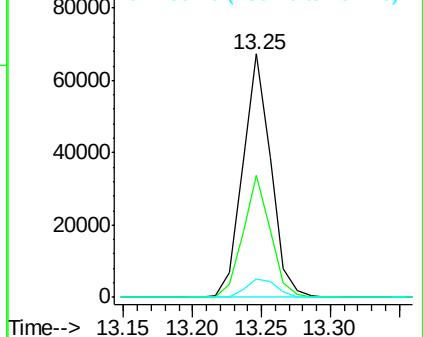
173 100

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

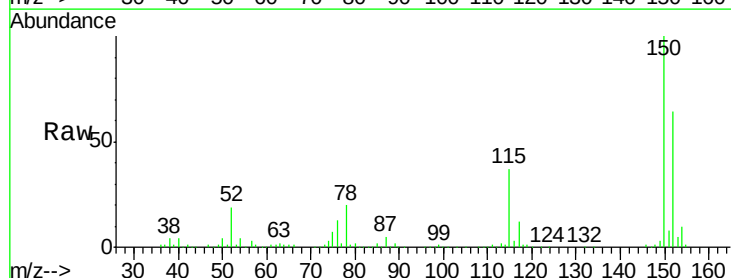
Tgt Ion:152 Resp: 446905

Ion Ratio Lower Upper

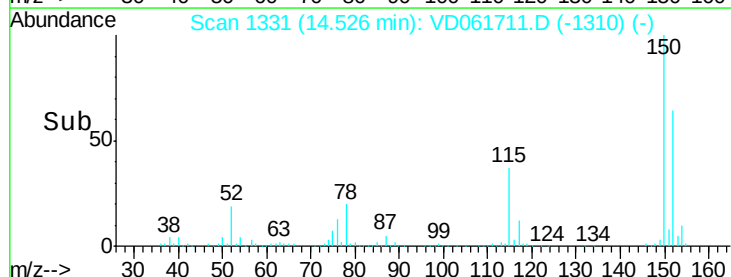
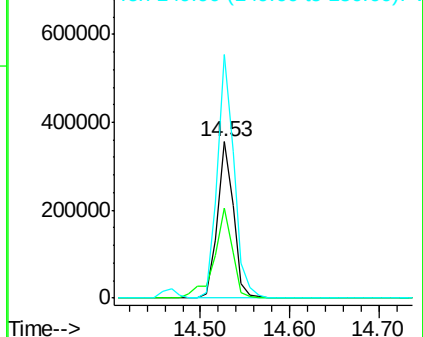
152 100

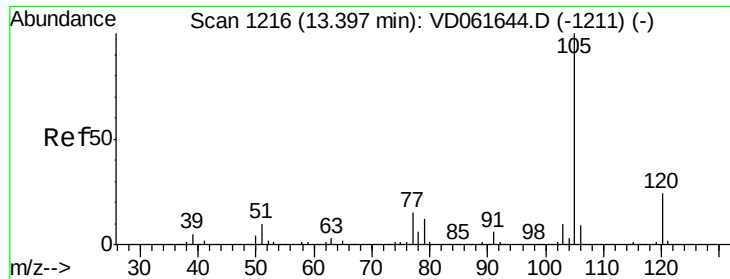
115 57.8 26.4 79.2

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

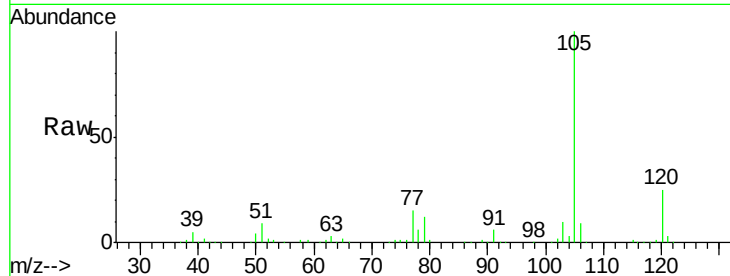
ClientSampleId :

Tot 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

13.41

400000

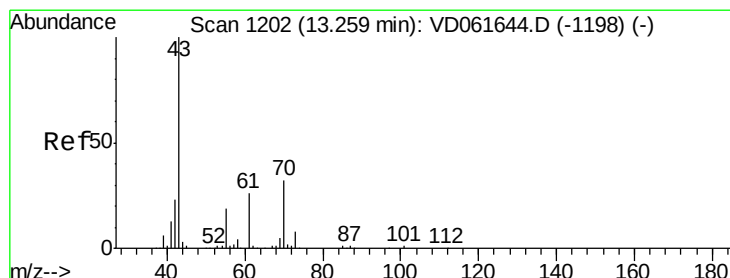
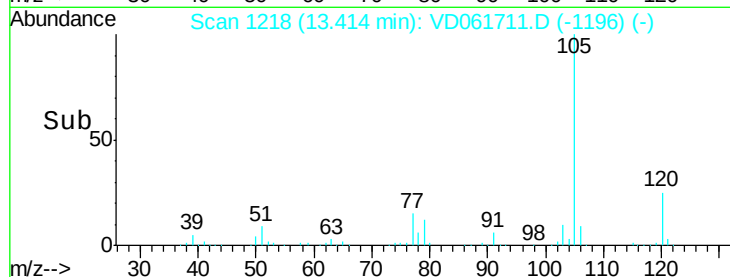
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#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

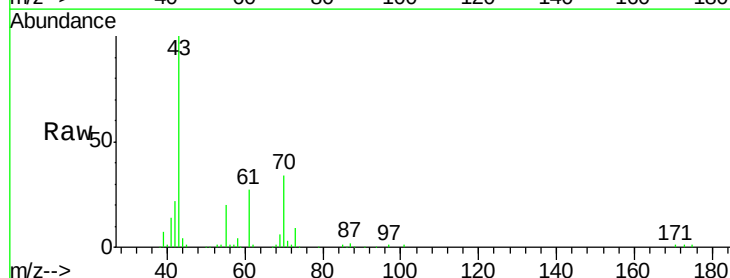
Ion Ratio Lower Upper

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

200000

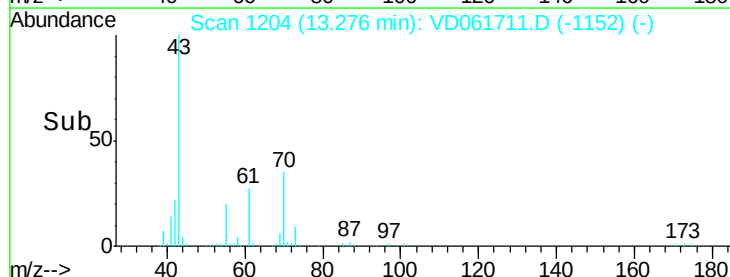
150000

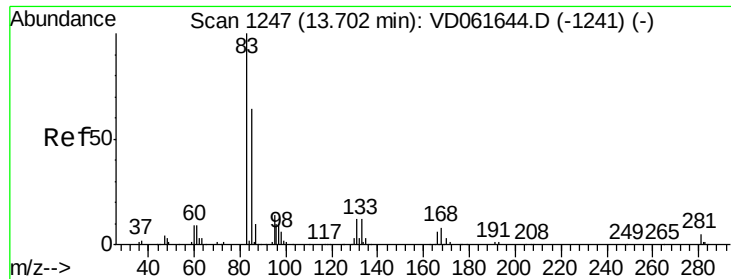
100000

50000

0

Time--> 13.20 13.30





#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 :

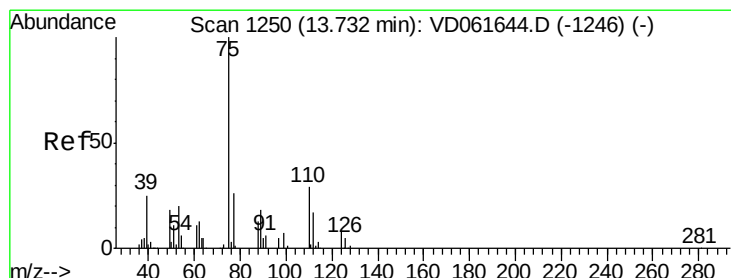
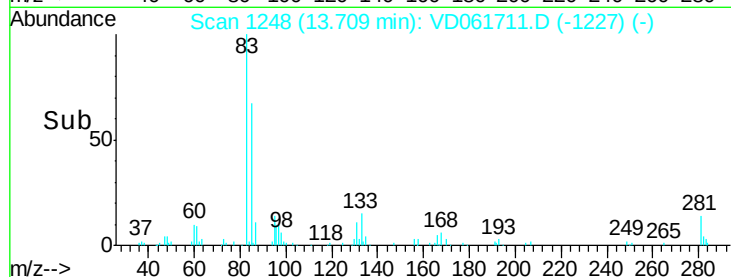
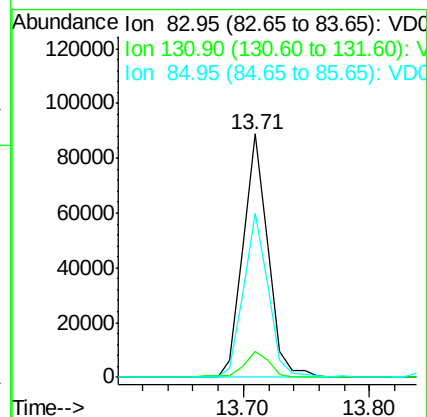
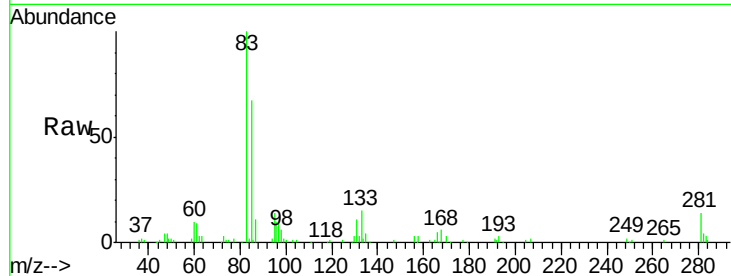
Tot Ion: 83 Resp: 120788

Ion Ratio Lower Upper

83 100

131 10.6 5.9 17.6

85 67.5 32.0 96.2



#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

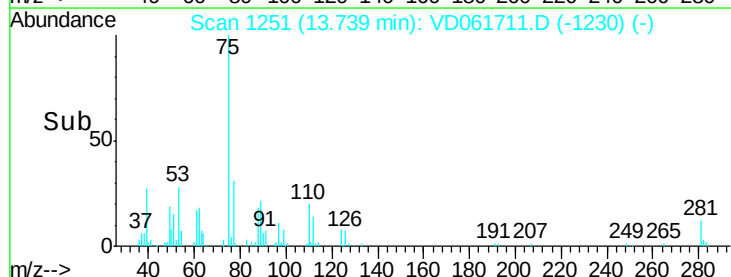
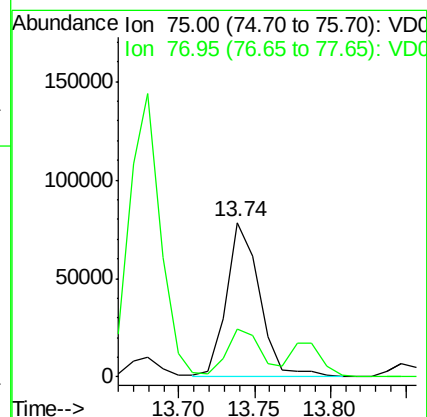
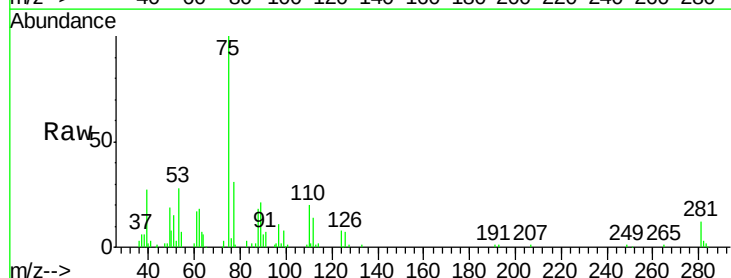
Acq: 10 Apr 2019 14:22

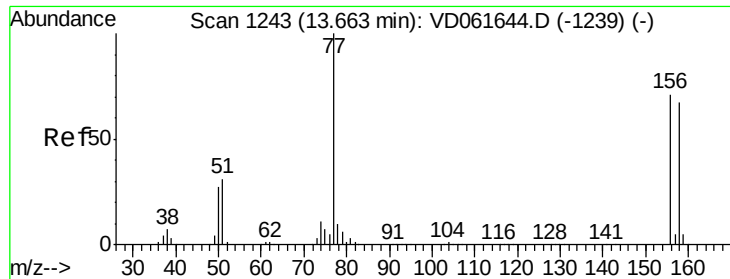
Tgt Ion: 75 Resp: 119399

Ion Ratio Lower Upper

75 100

77 31.0 15.7 47.1





#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 :

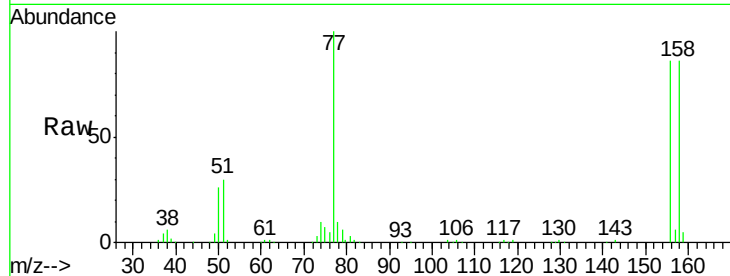
Tot Ion:156 Resp: 168601

Ion Ratio Lower Upper

156 100

77 116.5 70.3 210.8

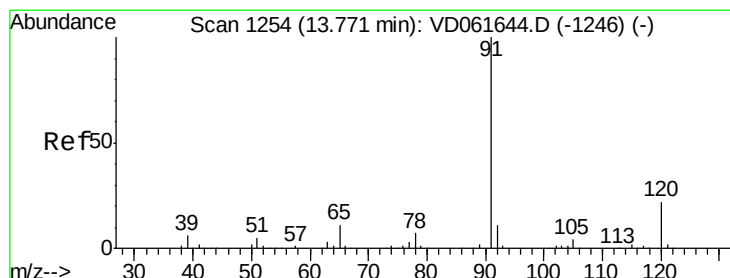
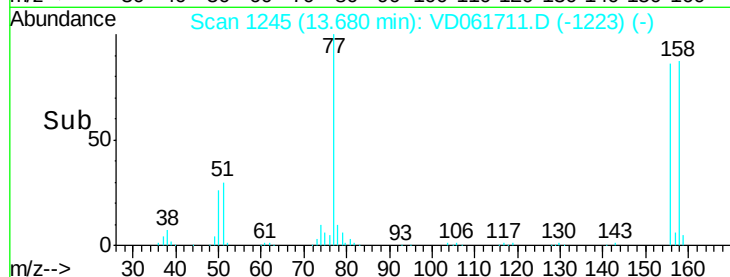
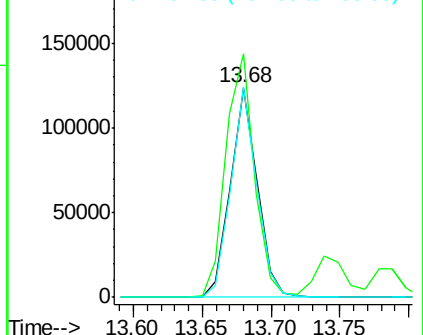
158 100.4 47.4 142.2



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

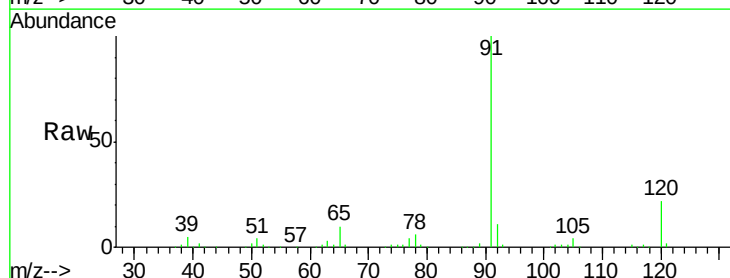
Acq: 10 Apr 2019 14:22

Tgt Ion: 91 Resp: 725382

Ion Ratio Lower Upper

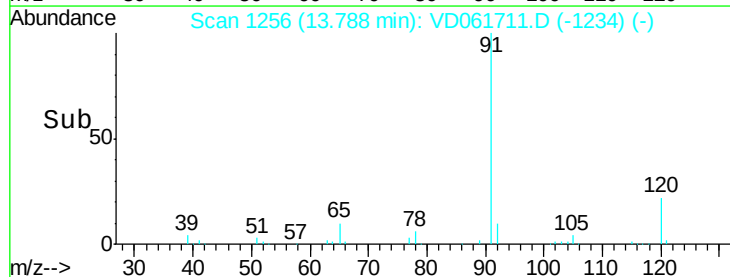
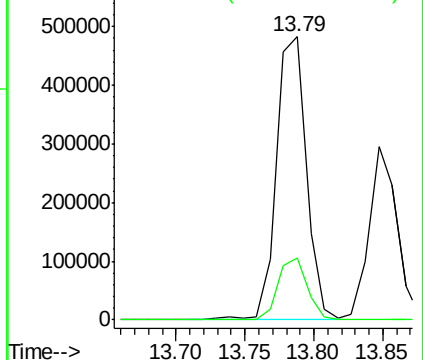
91 100

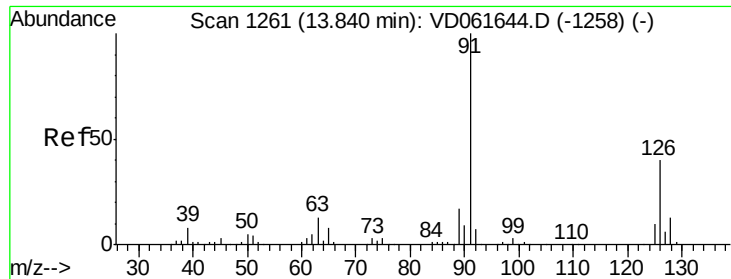
120 22.1 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

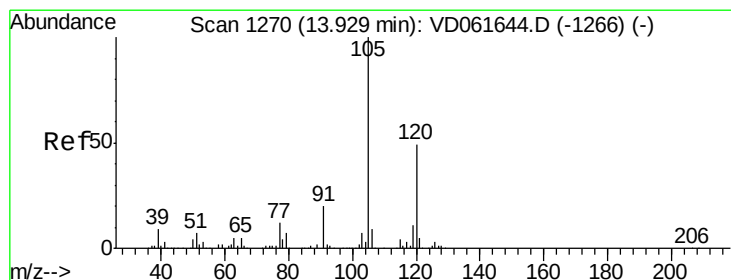
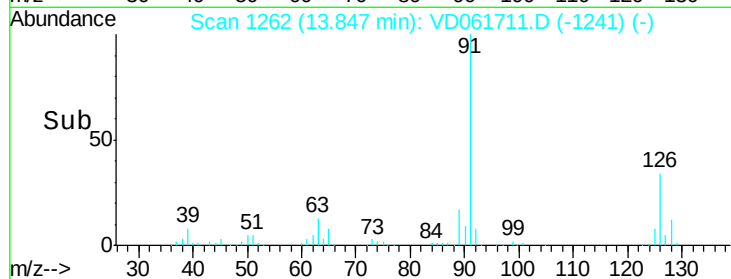
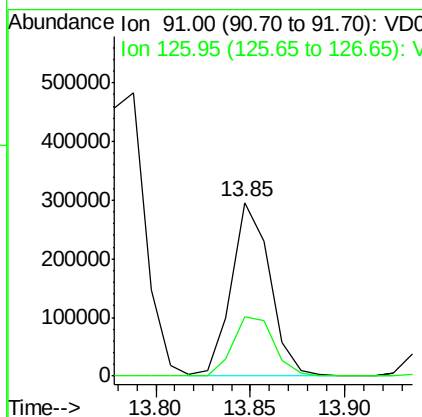
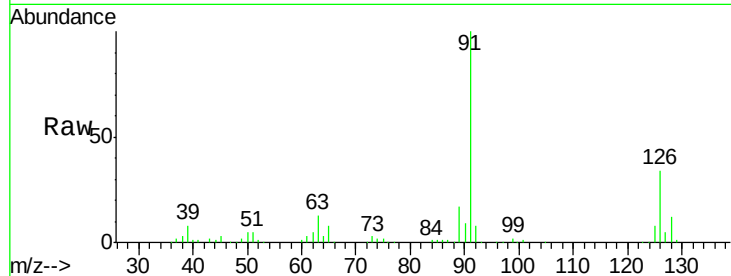




#79
 2-Chlorotoluene
 Concen: 20.329 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

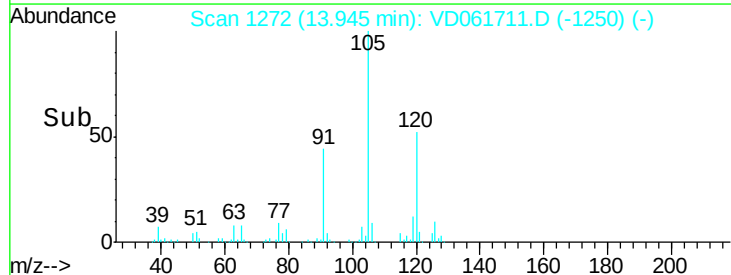
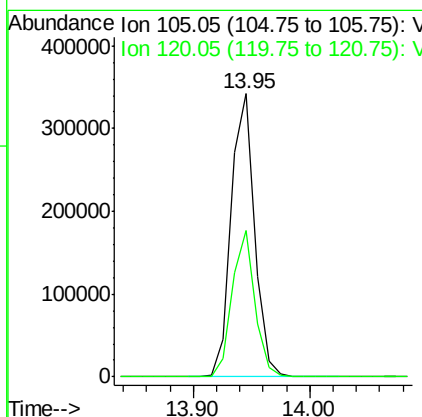
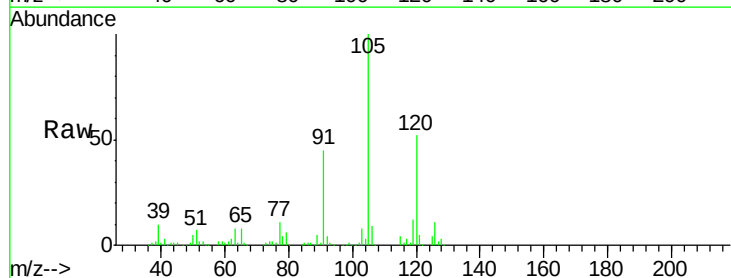
Instrument :
 MSVOA_D
 ClientSampleId :

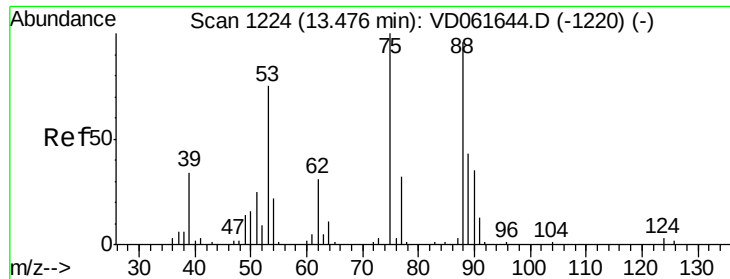
Tot Ion: 91 Resp: 414101
 Ion Ratio Lower Upper
 91 100
 126 34.0 20.0 59.9



#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 :

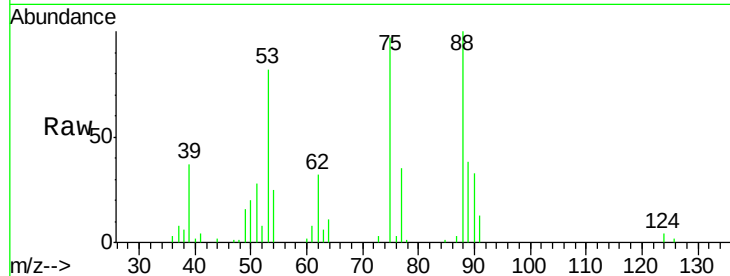
Tot Ion: 75 Resp: 35014

Ion Ratio Lower Upper

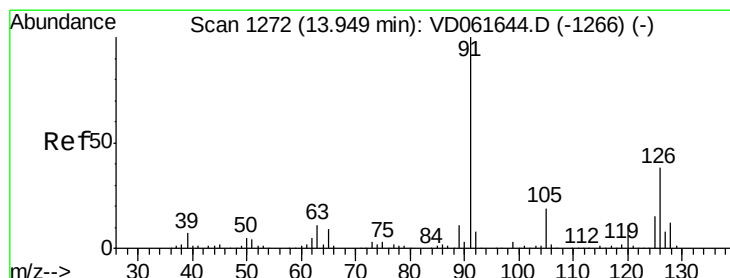
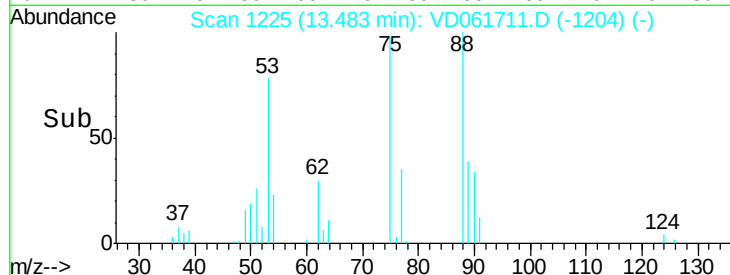
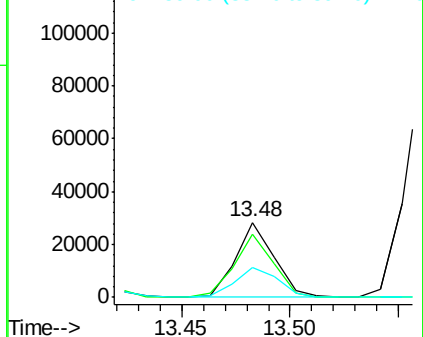
75 100

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

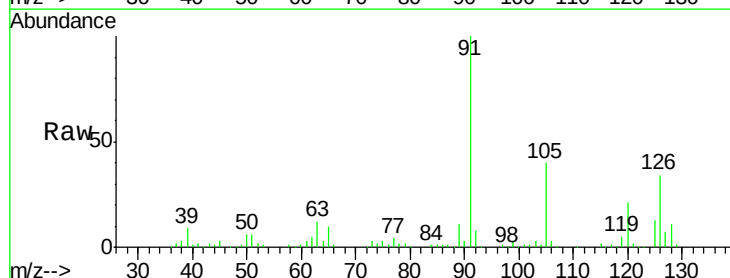
Acq: 10 Apr 2019 14:22

Tgt Ion: 91 Resp: 442559

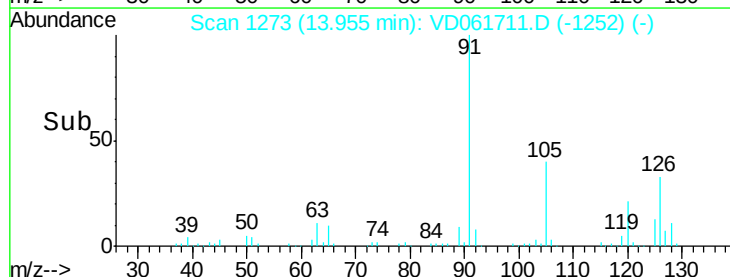
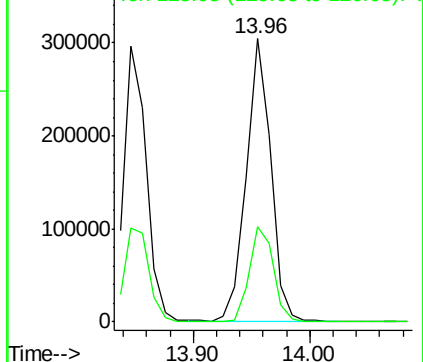
Ion Ratio Lower Upper

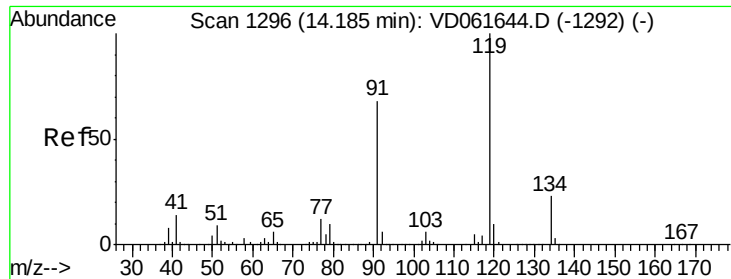
91 100

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

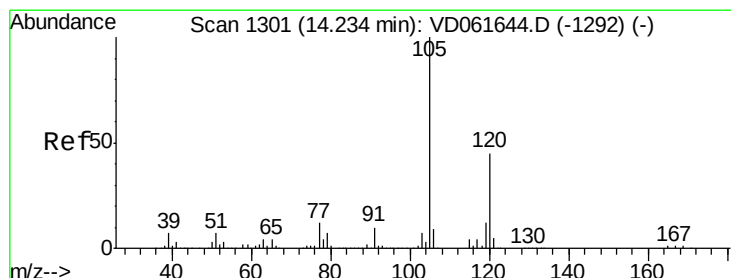
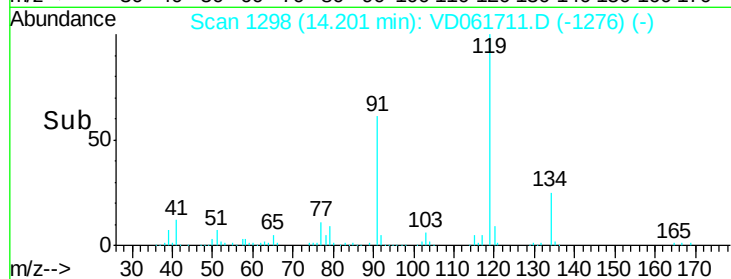
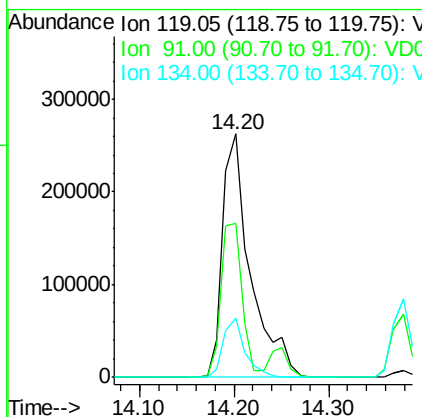
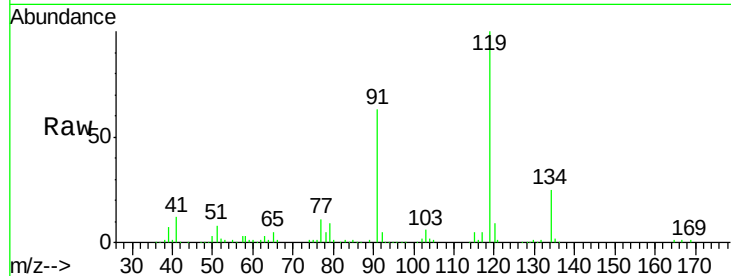




#83
 tert-Butylbenzene
 Concen: 18.867 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

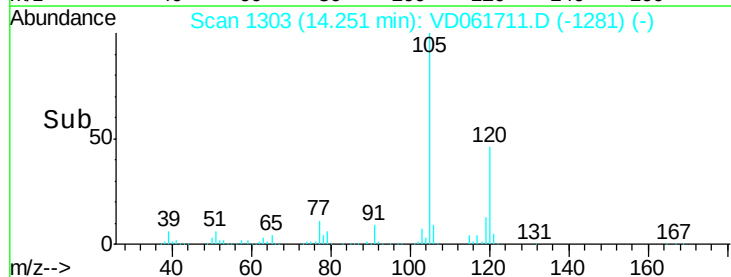
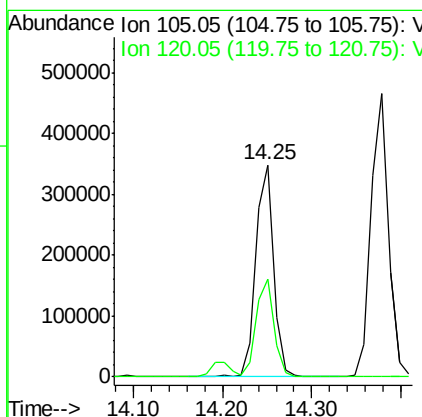
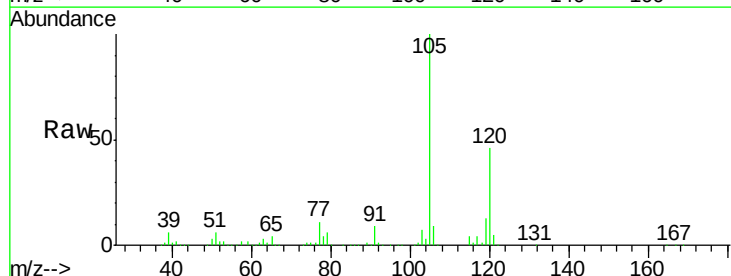
Instrument :
 MSVOA_D
 ClientSampleId :

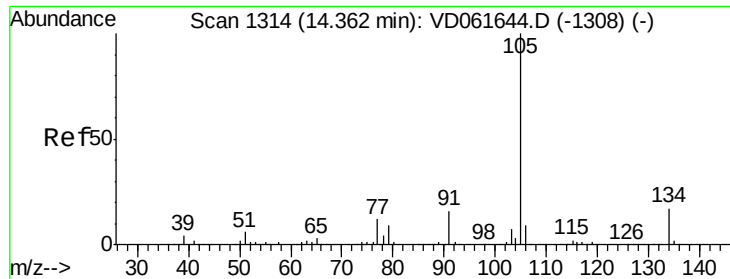
Tot Ion:119 Resp: 537648
 Ion Ratio Lower Upper
 119 100
 91 63.2 33.9 101.6
 134 24.5 11.6 34.8



#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

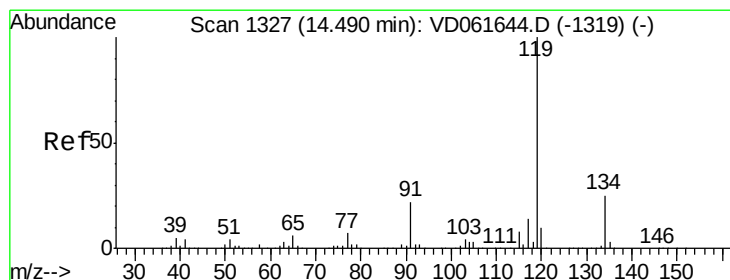
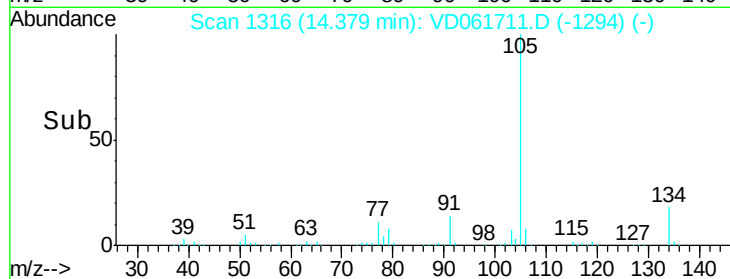
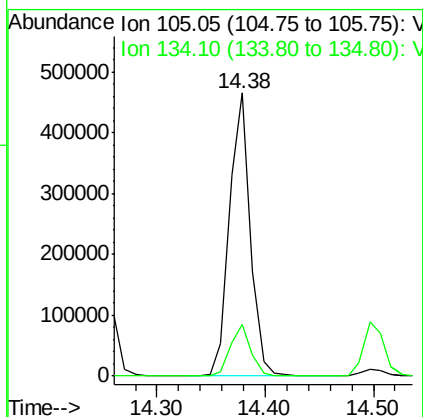
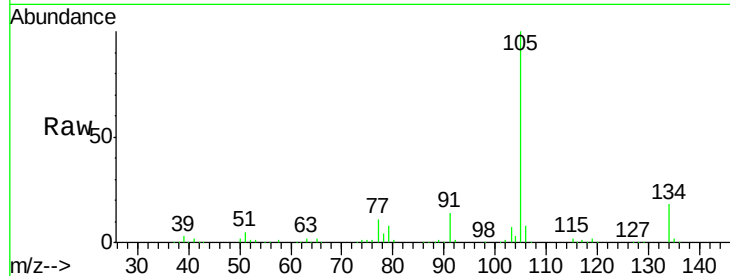




#85
 sec-Butylbenzene
 Concen: 20.200 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

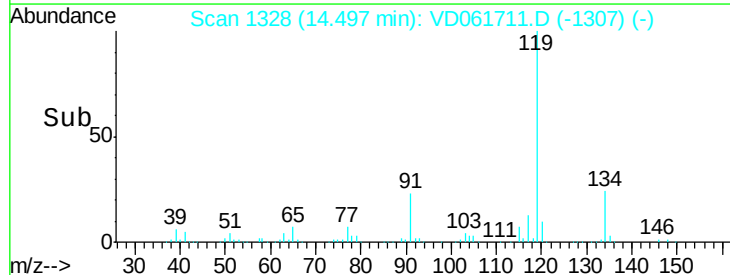
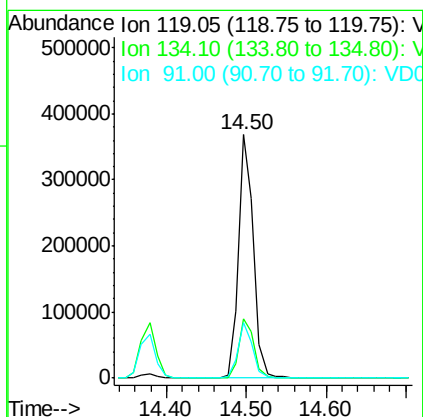
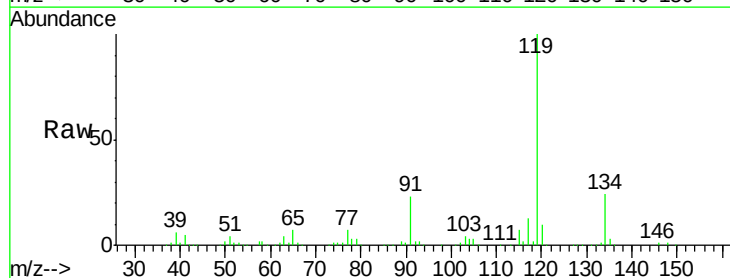
Instrument :
 MSVOA_D
 ClientSampleID :

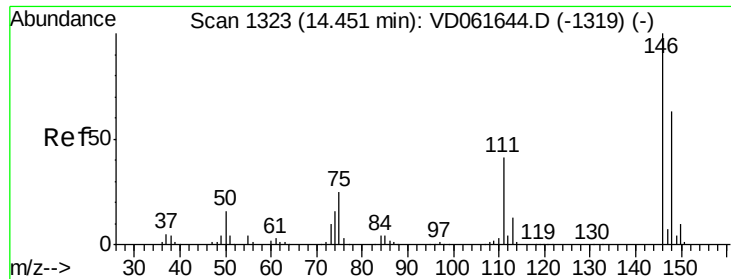
Tot Ion:105 Resp: 621930
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.6 25.7



#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

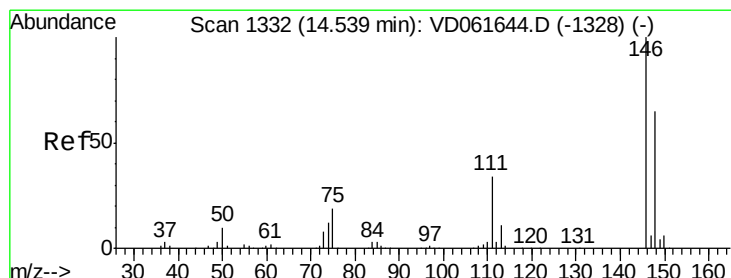
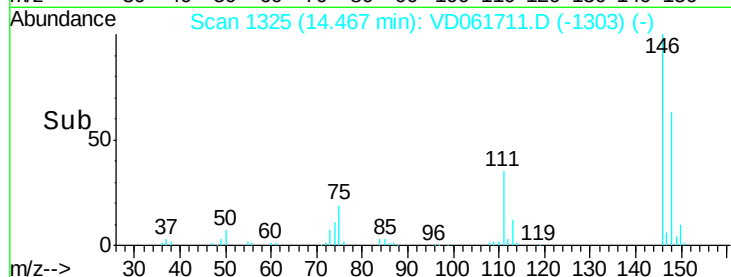
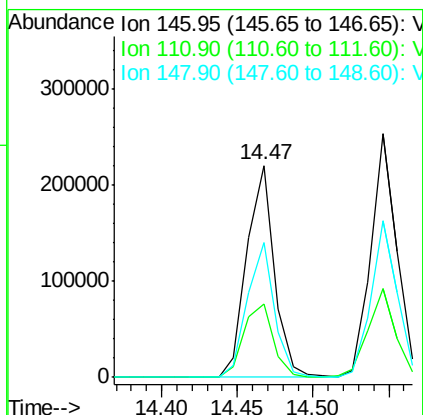
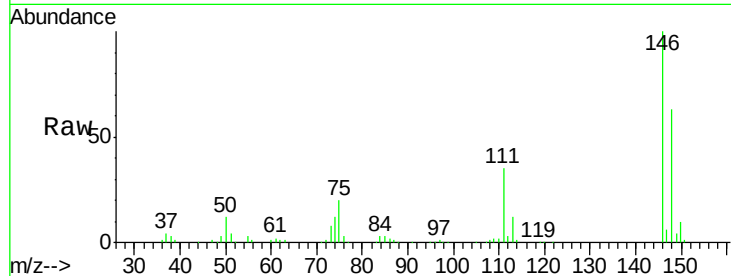




#87
 1,3-Dichlorobenzene
 Concen: 18.789 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

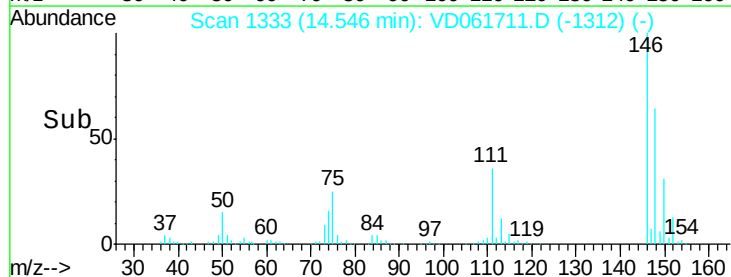
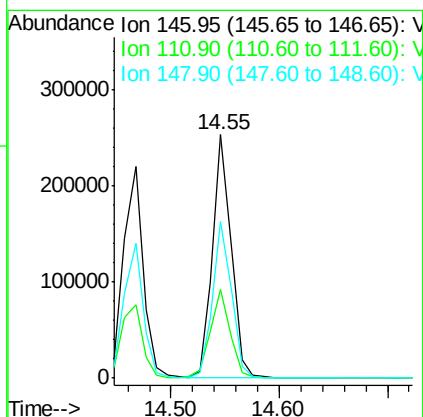
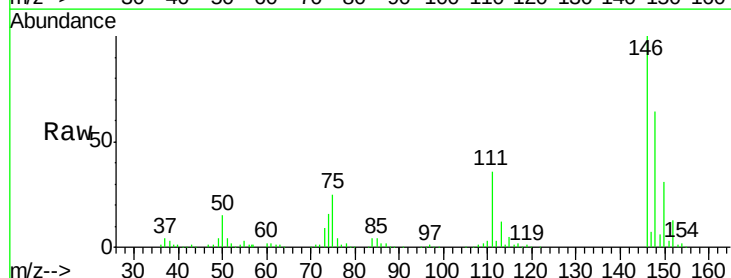
Instrument :
 MSVOA_D
 ClientSampleId :

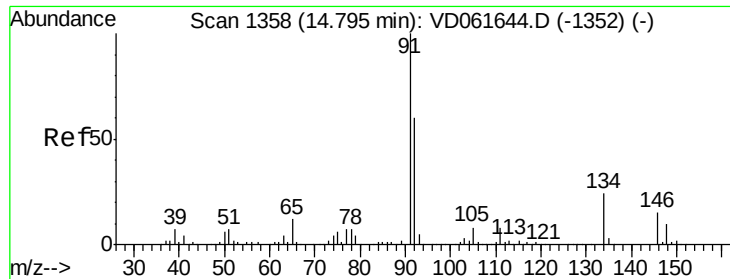
Tot Ion:146 Resp: 279489
 Ion Ratio Lower Upper
 146 100
 111 34.8 20.3 61.0
 148 63.3 31.7 95.1



#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

ClientSampled :

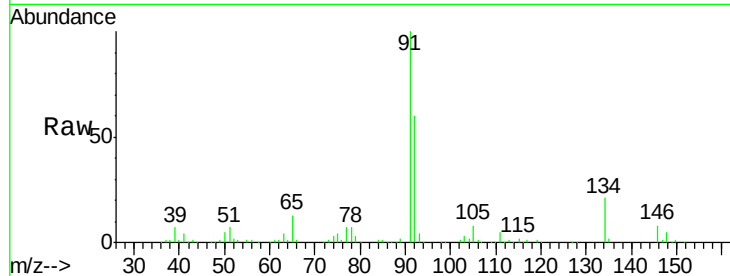
Tot Ion: 91 Resp: 470215

Ion Ratio Lower Upper

91 100

92 59.9 29.8 89.4

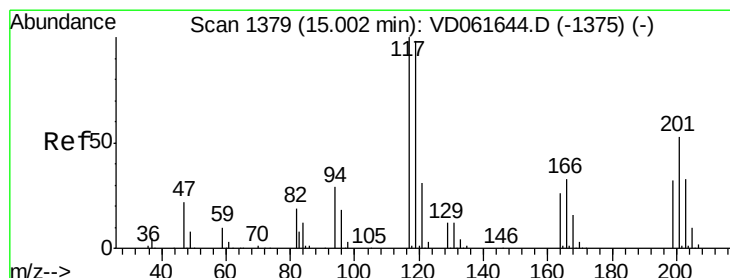
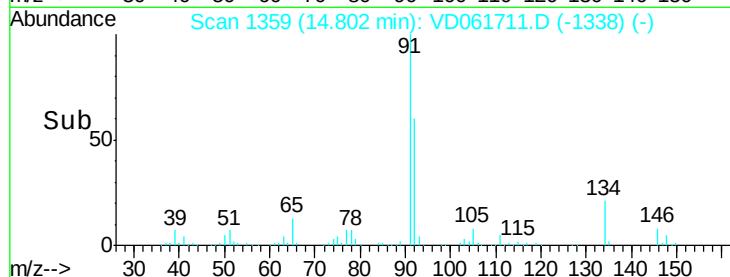
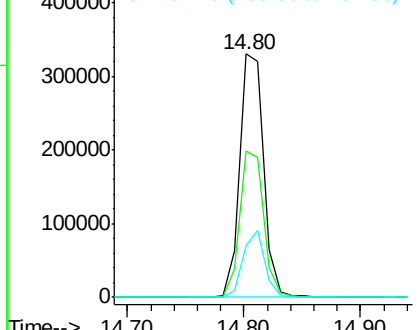
134 21.3 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.326 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.02 min

Lab File: VD061711.D

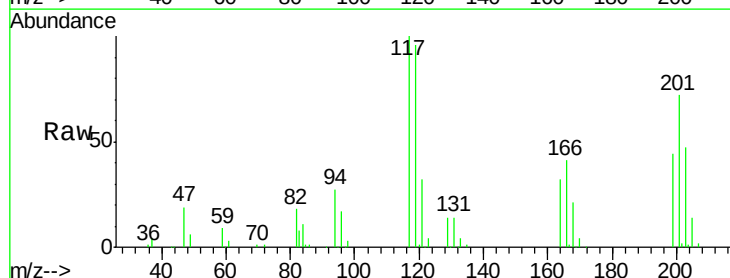
Acq: 10 Apr 2019 14:22

Tgt Ion: 117 Resp: 140059

Ion Ratio Lower Upper

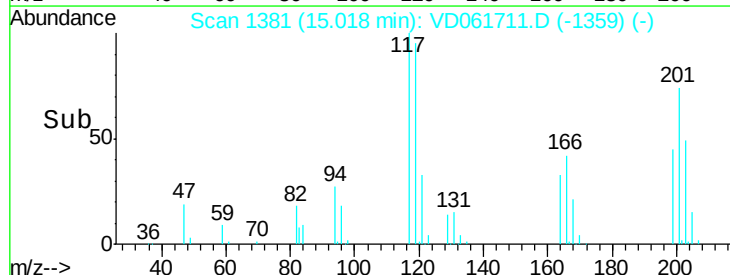
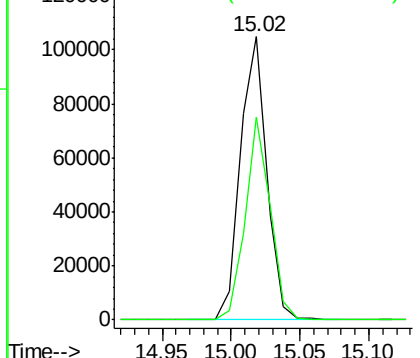
117 100

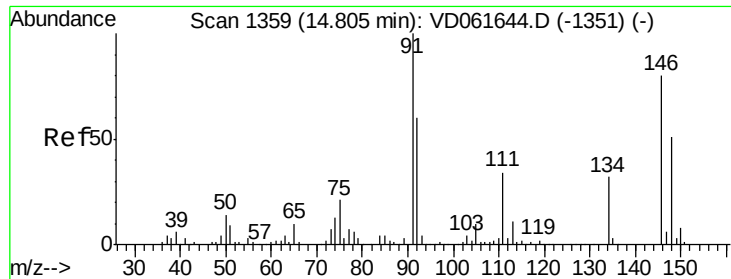
201 71.7 26.3 78.8



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

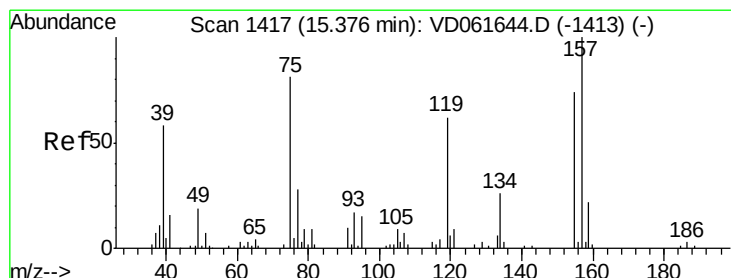
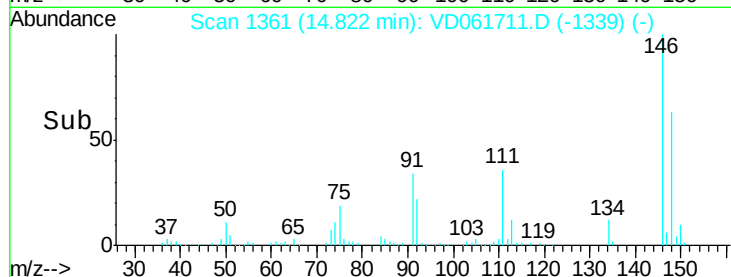
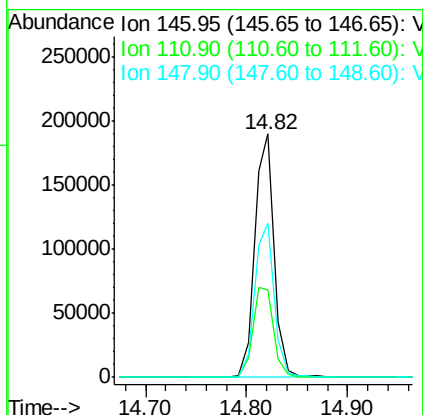
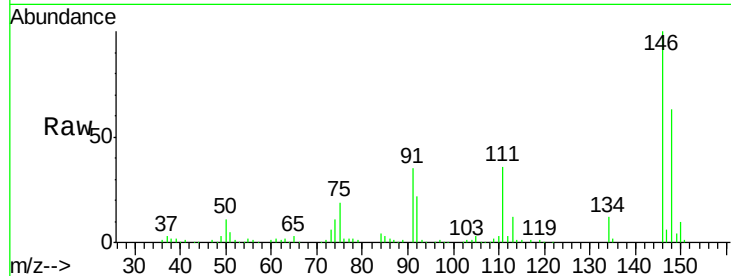




#91
 1,2-Dichlorobenzene
 Concen: 20.885 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

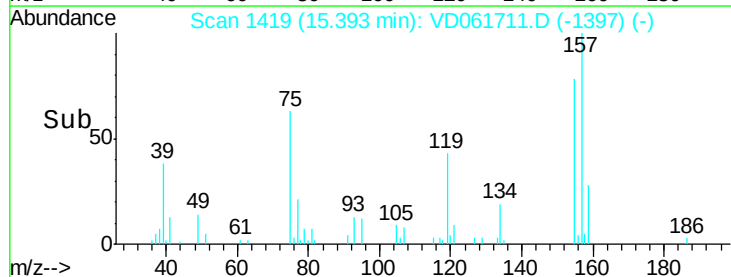
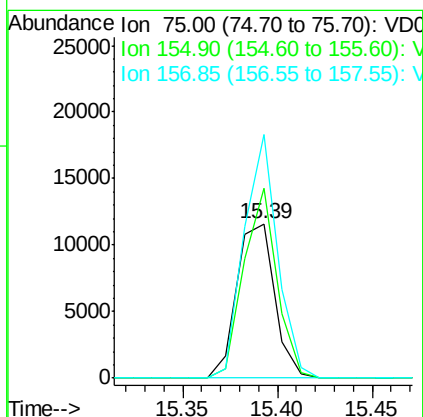
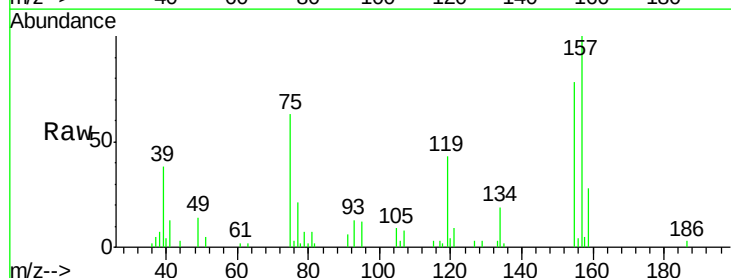
Instrument :
 MSVOA_D
 ClientSampleId :

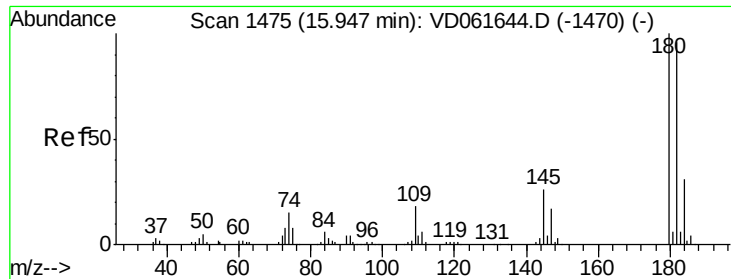
Tot Ion:146 Resp: 256041
 Ion Ratio Lower Upper
 146 100
 111 36.1 21.1 63.3
 148 63.1 31.7 95.1



#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

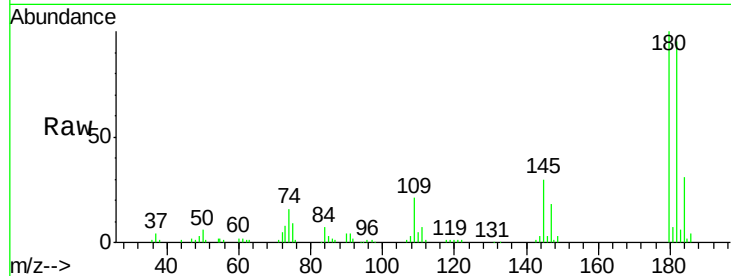




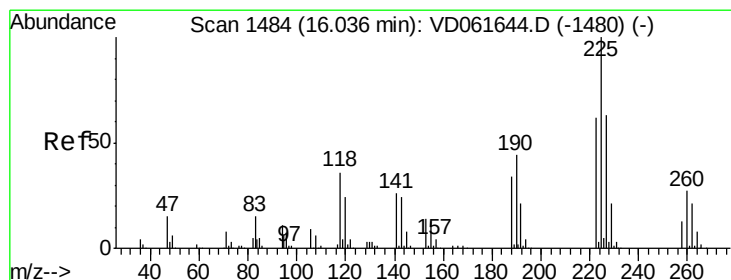
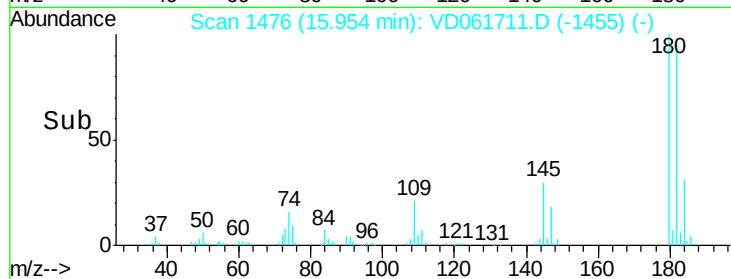
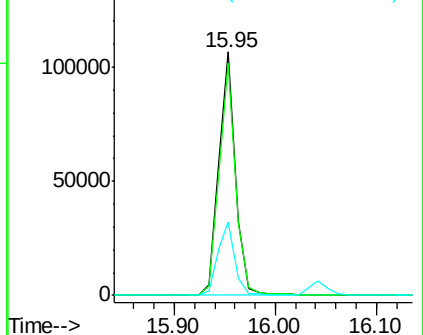
#93
 1,2,4-Trichlorobenzene
 Concen: 20.059 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

Instrument :
 MSVOA_D
 ClientSampled :

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

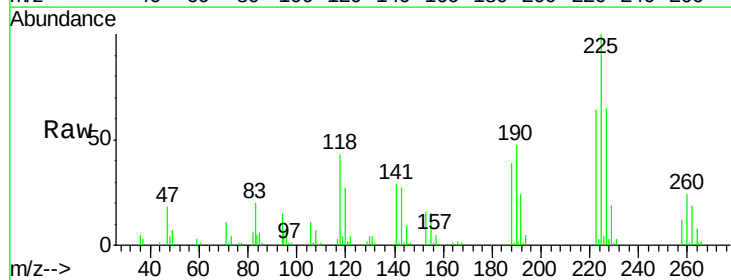


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

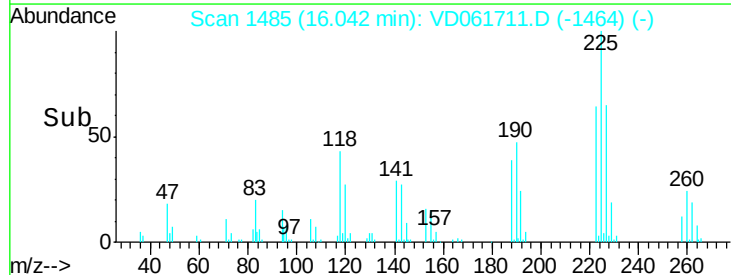
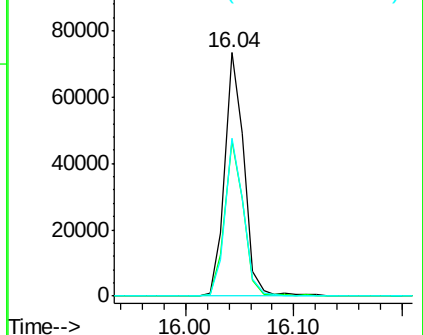


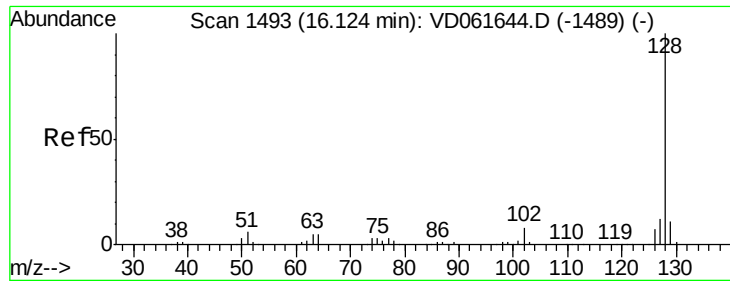
#94
 Hexachlorobutadiene
 Concen: 18.887 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061711.D
 Acq: 10 Apr 2019 14:22

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 :

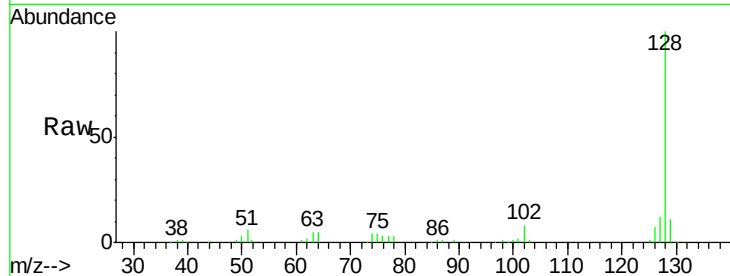
Tot Ion:128 Resp: 202834

Ion Ratio Lower Upper

128 100

127 11.9 9.4 14.2

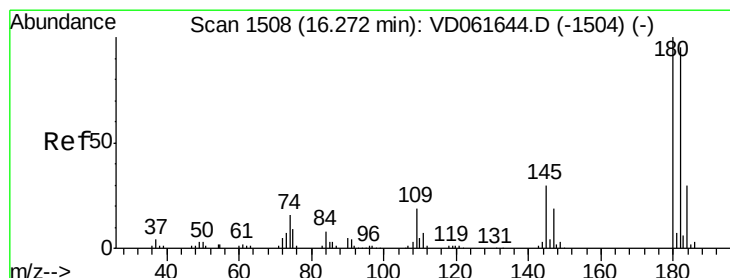
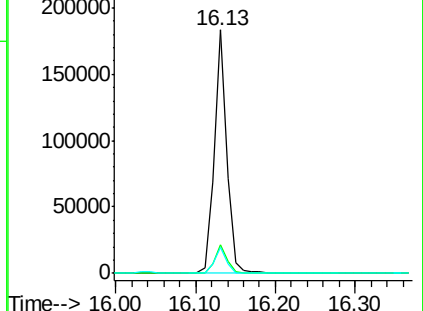
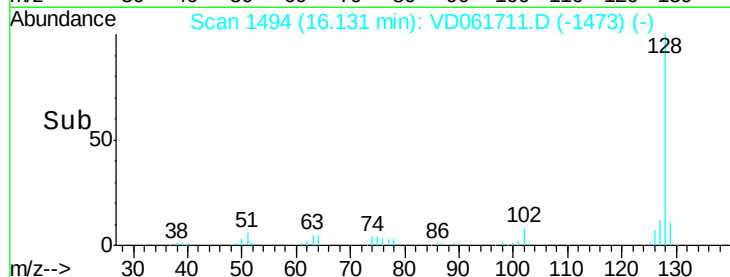
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#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

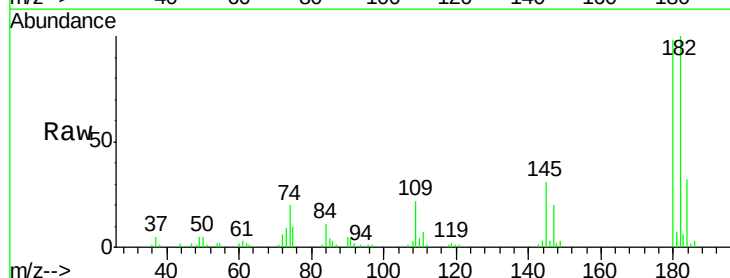
Tgt Ion:180 Resp: 60544

Ion Ratio Lower Upper

180 100

182 102.3 47.3 142.0

145 31.8 15.1 45.3



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

