

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061CC.D
 Acq On : 2 Apr 2019 1:40
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 03:47:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	504806	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	915897	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	773873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	352255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	278255	64.53	ug/l	0.00
Spiked Amount			Recovery	=	129.06%	
35) Dibromofluoromethane	6.91	113	375299	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
50) Toluene-d8	10.39	98	943916	56.23	ug/l	0.00
Spiked Amount			Recovery	=	112.46%	
62) 4-Bromofluorobenzene	13.54	95	347242	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	272047	50.462	ug/l	97
3) Chloromethane	1.76	50	199155	45.296	ug/l	99
4) Vinyl Chloride	1.86	62	191763	47.501	ug/l	98
5) Bromomethane	2.15	94	49647	62.018	ug/l	98
6) Chloroethane	2.27	64	71885	60.721	ug/l	95
7) Trichlorofluoromethane	2.54	101	333379	56.790	ug/l	98
8) Diethyl Ether	2.87	74	98126	51.917	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	314400	49.817	ug/l	94
10) Methyl Iodide	3.30	142	426815	44.868	ug/l	92
11) Tert butyl alcohol	4.04	59	77602	288.963	ug/l	100
12) 1,1-Dichloroethene	3.13	96	255953	47.238	ug/l	96
13) Acrolein	3.03	56	42882	205.495	ug/l	97
14) Allyl chloride	3.62	41	364972	48.293	ug/l	93
15) Acrylonitrile	4.18	53	240639	258.169	ug/l	96
16) Acetone	3.22	43	277581	250.403	ug/l	93
17) Carbon Disulfide	3.37	76	772654	43.889	ug/l	100
18) Methyl Acetate	3.63	43	123176	52.848	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	548727	58.504	ug/l	98
20) Methylene Chloride	3.82	84	315616	50.857	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	306221	52.346	ug/l	96
22) Diisopropyl ether	5.10	45	873273	54.605	ug/l #	83
23) Vinyl Acetate	5.05	43	2399039	276.160	ug/l	98
24) 1,1-Dichloroethane	4.98	63	506202	53.859	ug/l	99
25) 2-Butanone	6.06	43	371555	266.455	ug/l	99
26) 2,2-Dichloropropane	6.01	77	387305	51.838	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	327703	51.129	ug/l	88
28) Bromochloromethane	6.43	49	218297	57.538	ug/l #	99
29) Tetrahydrofuran	6.45	42	203408	300.954	ug/l	98
30) Chloroform	6.65	83	590614	60.816	ug/l	99
31) Cyclohexane	6.94	56	358730	48.299	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	487576	56.909	ug/l	97
36) 1,1-Dichloropropene	7.13	75	397617	49.741	ug/l	97
37) Ethyl Acetate	6.17	43	196279	57.413	ug/l	99
38) Carbon Tetrachloride	7.10	117	517601	56.349	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	386342	46.405	ug/l	99
40) Benzene	7.44	78	1011575	50.422	ug/l	96
41) Methacrylonitrile	6.44	41	231137	57.823	ug/l	97
42) 1,2-Dichloroethane	7.57	62	343440	57.230	ug/l	95
43) Isopropyl Acetate	9.22	43	281050	56.502	ug/l #	98
44) Trichloroethene	8.52	130	365704	48.982	ug/l	95
45) 1,2-Dichloropropane	8.93	63	266599	52.406	ug/l	99
46) Dibromomethane	9.05	93	200623	58.593	ug/l	96
47) Bromodichloromethane	9.36	83	472732	61.513	ug/l	98
48) Methyl methacrylate	9.10	41	157352	57.319	ug/l	94
49) 1,4-Dioxane	9.06	88	35405	1169.286	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	874230	288.882	ug/l	96
52) Toluene	10.49	92	640316	52.316	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	385815	55.256	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	447947	52.687	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	234065	54.683	ug/l	96
56) Ethyl methacrylate	11.03	69	264300	57.478	ug/l	96
57) 1,3-Dichloropropane	11.40	76	354195	56.299	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	672413	300.274	ug/l	100
59) 2-Hexanone	11.52	43	655798	299.095	ug/l	97
60) Dibromochloromethane	11.67	129	386762	58.612	ug/l	100
61) 1,2-Dibromoethane	11.79	107	283690	57.237	ug/l	98
64) Tetrachloroethene	11.24	164	287603	47.354	ug/l	99
65) Chlorobenzene	12.39	112	799344	50.542	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	312835	51.087	ug/l	99
67) Ethyl Benzene	12.51	91	1153356	47.778	ug/l	97
68) m/p-Xylenes	12.66	106	840013	91.861	ug/l	92
69) o-Xylene	13.04	106	470104	52.976	ug/l	97
70) Styrene	13.06	104	864061	55.858	ug/l	96
71) Bromoform	13.23	173	217027	55.909	ug/l	99
73) Isopropylbenzene	13.40	105	1215900	49.595	ug/l	99
74) N-amyl acetate	13.26	43	342885	50.206	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	265444	51.325	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	285010	56.012	ug/l	100
77) Bromobenzene	13.66	156	354210	48.735	ug/l	89
78) n-propylbenzene	13.77	91	1517790	50.589	ug/l	98
79) 2-Chlorotoluene	13.83	91	795902	48.856	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	974424	51.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	83504	53.823	ug/l	93
82) 4-Chlorotoluene	13.94	91	928234	52.403	ug/l	90
83) tert-Butylbenzene	14.18	119	1175436	49.445	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	1028913	49.962	ug/l	98
85) sec-Butylbenzene	14.36	105	1272842	50.401	ug/l	98
86) p-Isopropyltoluene	14.48	119	1131625	52.991	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	578116	46.971	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	565989	47.156	ug/l	96
89) n-Butylbenzene	14.79	91	983879	50.197	ug/l	97
90) Hexachloroethane	15.00	117	326674	54.148	ug/l	83
91) 1,2-Dichlorobenzene	14.80	146	527322	52.234	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	36167	59.625	ug/l	70

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Response via : Initial Calibration

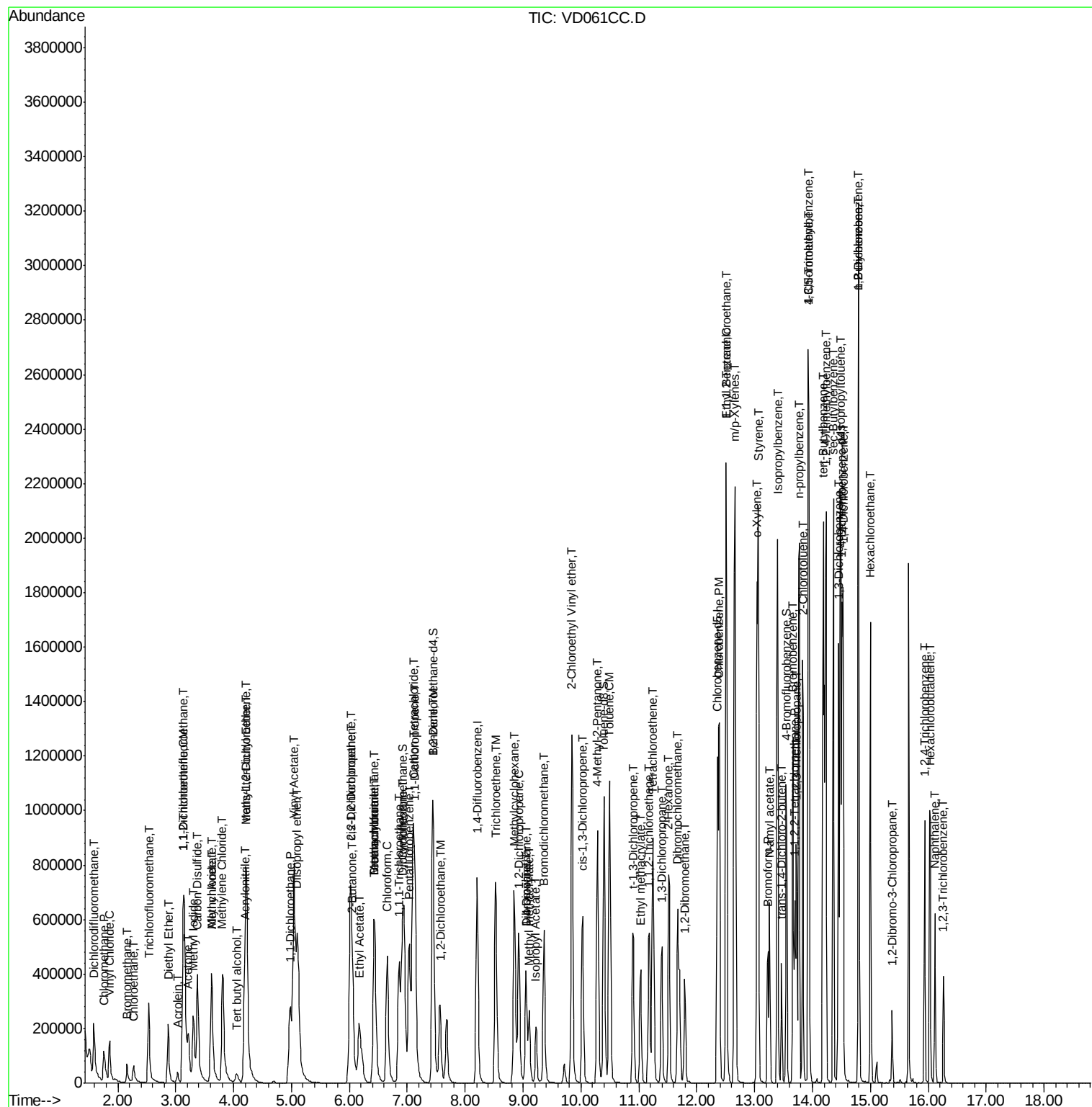
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	230632	50.150	ug/l	97
94) Hexachlorobutadiene	16.03	225	182547	50.797	ug/l	97
95) Naphthalene	16.11	128	389313	55.538	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	100751	49.786	ug/l	94

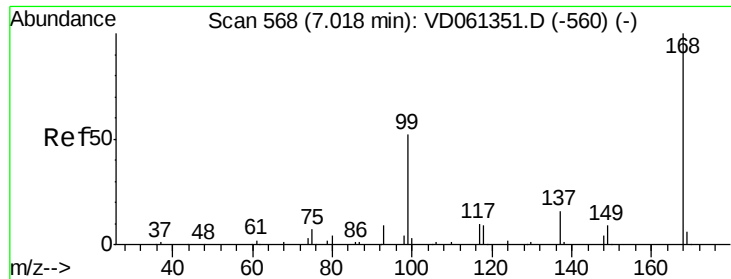
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

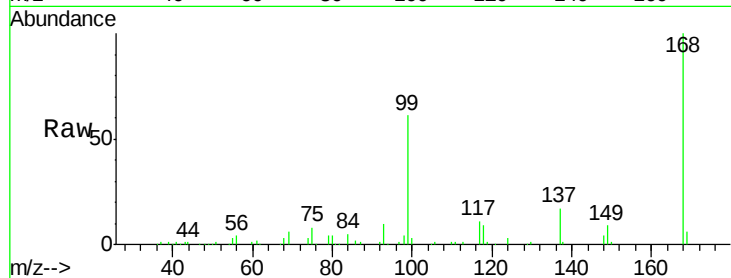
ClientSampleId :

Tot Ion:168 Resp: 504806

Ion Ratio Lower Upper

168 100

99 60.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

150000

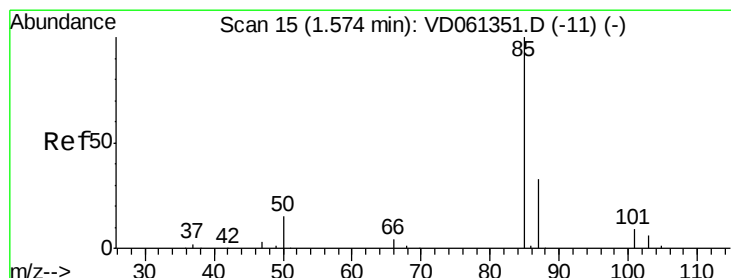
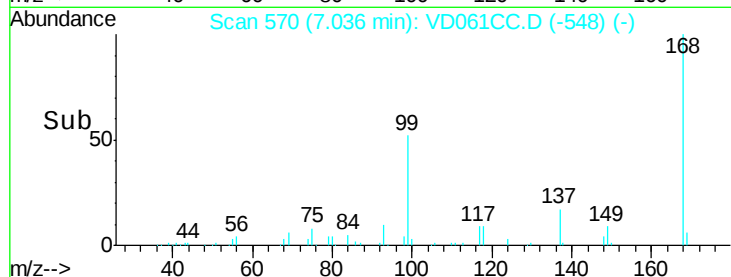
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 50.462 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061CC.D

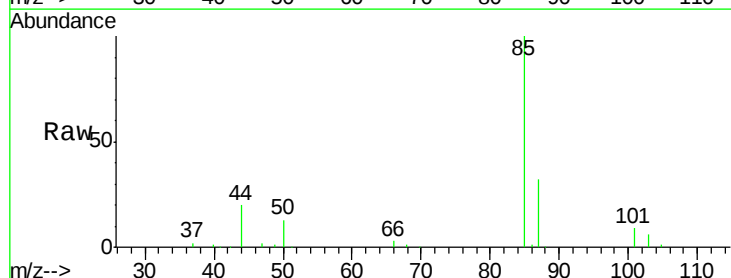
Acq: 2 Apr 2019 1:40

Tgt Ion: 85 Resp: 272047

Ion Ratio Lower Upper

85 100

87 31.7 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

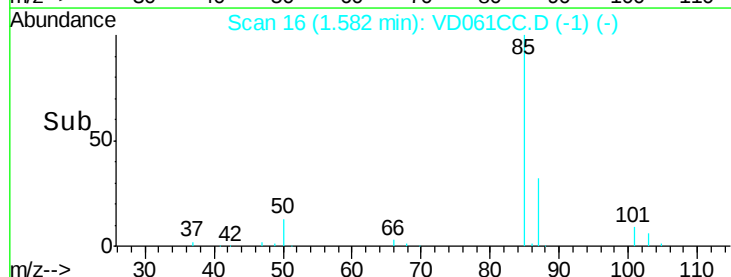
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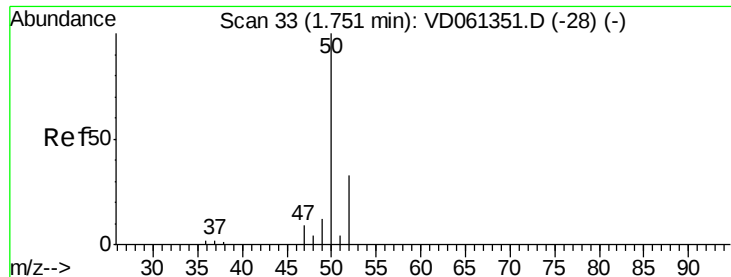
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.296 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

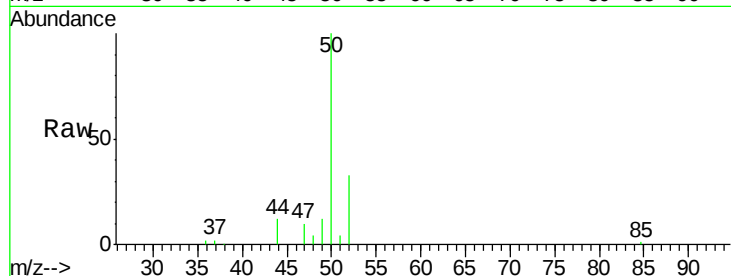
ClientSampleId :

Tot Ion: 50 Resp: 199155

Ion Ratio Lower Upper

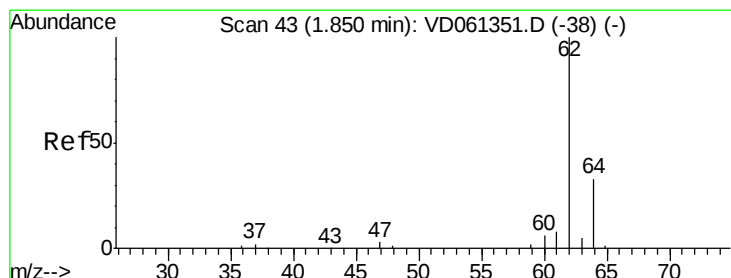
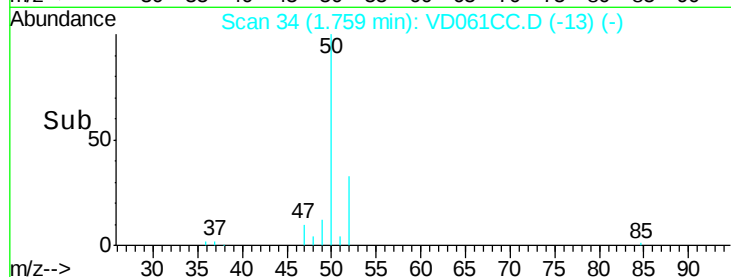
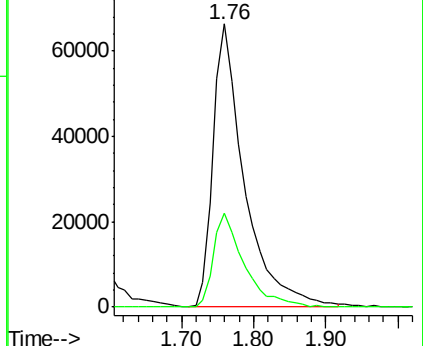
50 100

52 33.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.501 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061CC.D

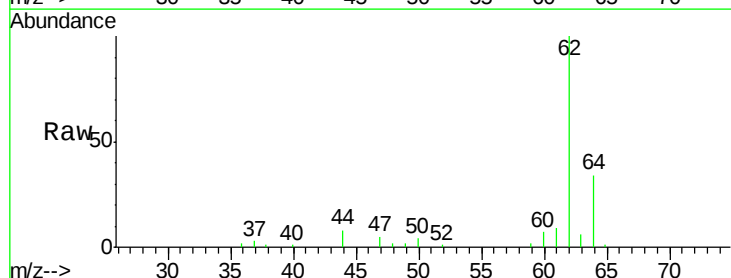
Acq: 2 Apr 2019 1:40

Tgt Ion: 62 Resp: 191763

Ion Ratio Lower Upper

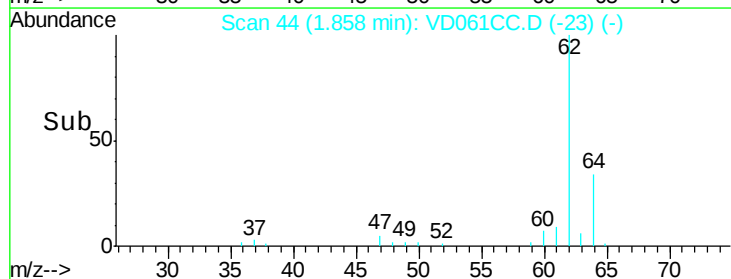
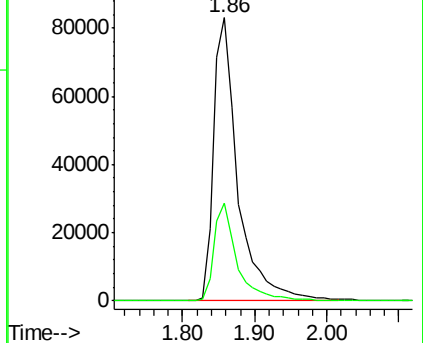
62 100

64 34.5 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

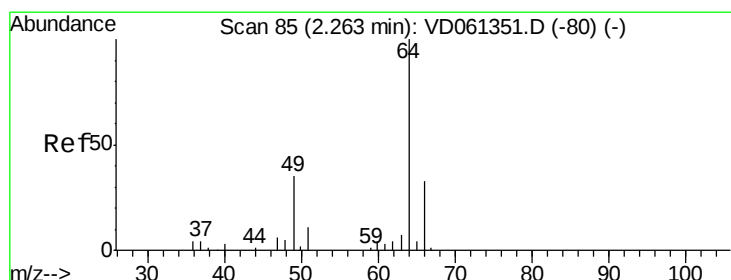
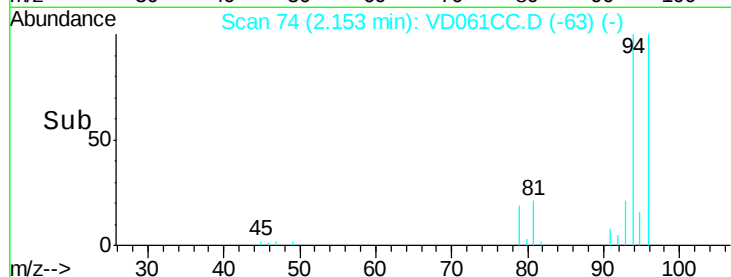
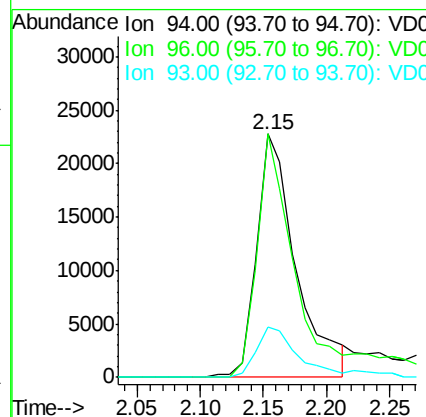
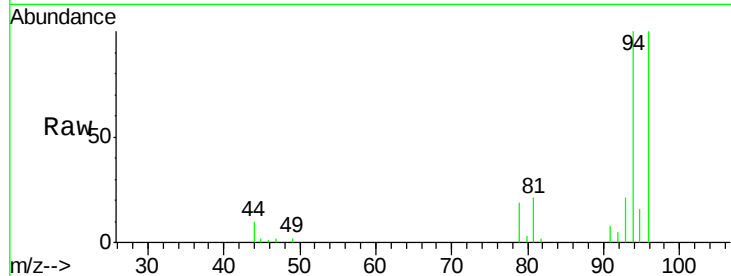




#5
Bromomethane
Concen: 62.018 ug/l
RT: 2.15 min Scan# 74
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

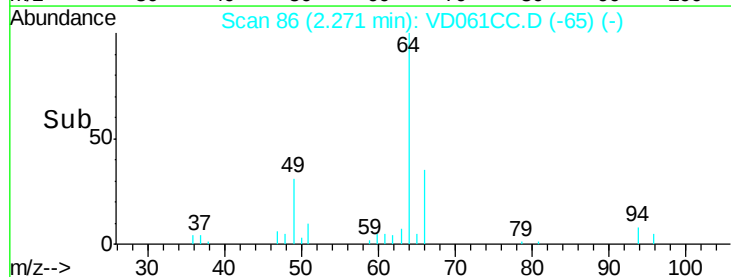
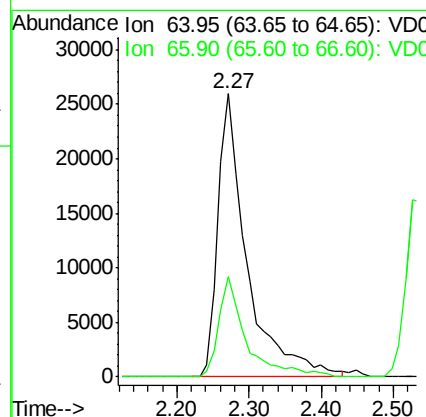
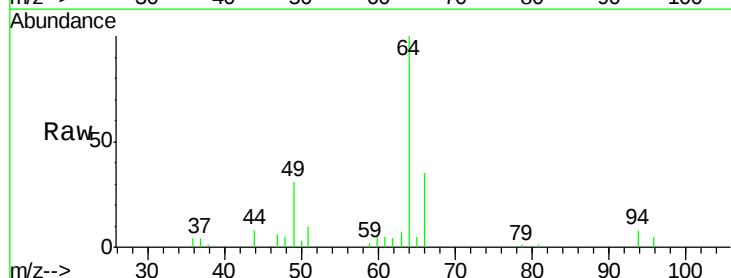
Instrument :
MSVOA_D
ClientSampled :

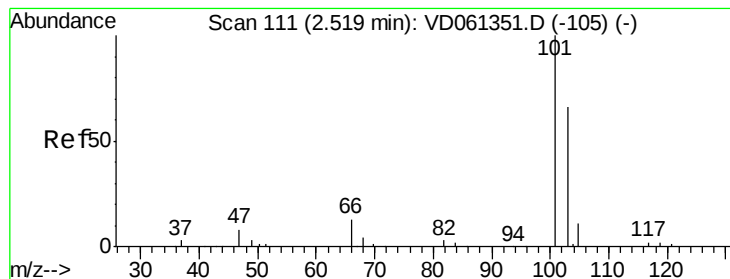
Tot Ion: 94 Resp: 49647
Ion Ratio Lower Upper
94 100
96 99.9 78.3 117.5
93 20.8 15.6 23.4



#6
Chloroethane
Concen: 60.721 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion: 64 Resp: 71885
Ion Ratio Lower Upper
64 100
66 35.4 26.2 39.2



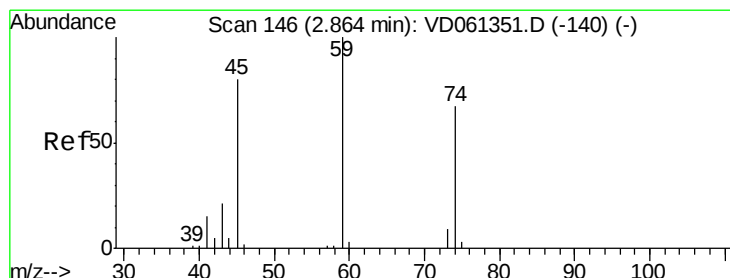
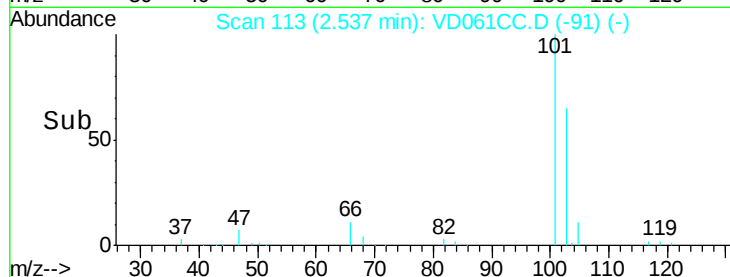
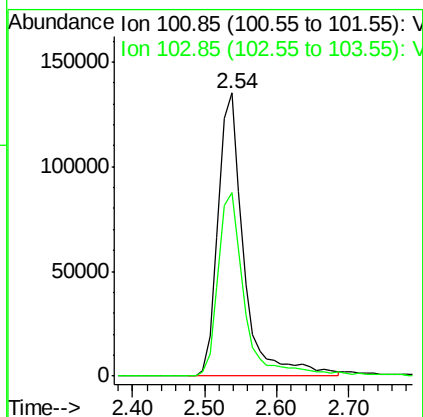
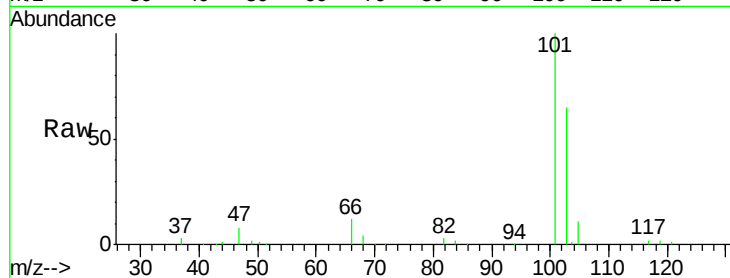


#7

Trichlorofluoromethane
 Concen: 56.790 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Instrument :
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 ClientSampleId :

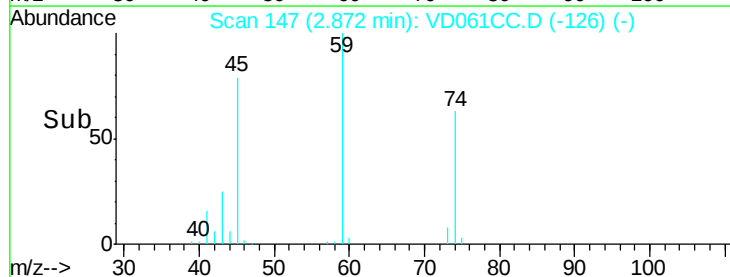
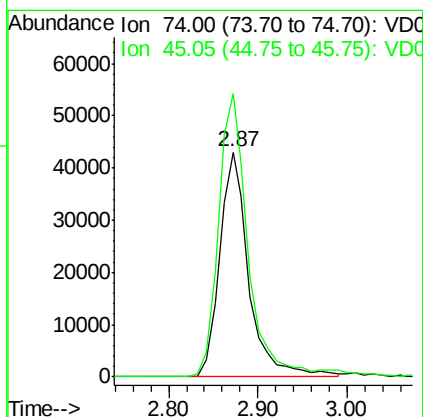
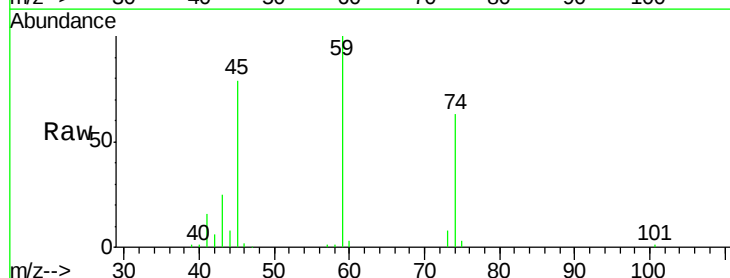
Tot Ion:101 Resp: 333379
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.1 79.7



#8

Diethyl Ether
 Concen: 51.917 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion: 74 Resp: 98126
 Ion Ratio Lower Upper
 74 100
 45 126.0 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.817 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleId :

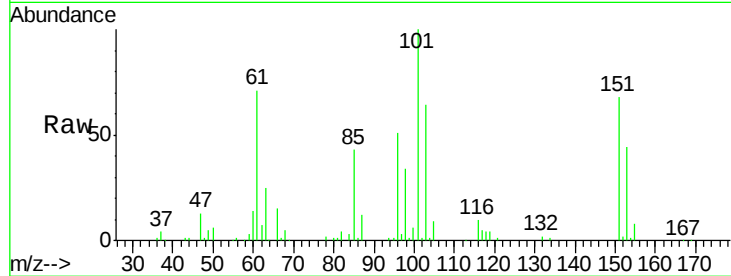
Tot Ion:101 Resp: 314400

Ion Ratio Lower Upper

101 100

85 42.8 29.4 44.0

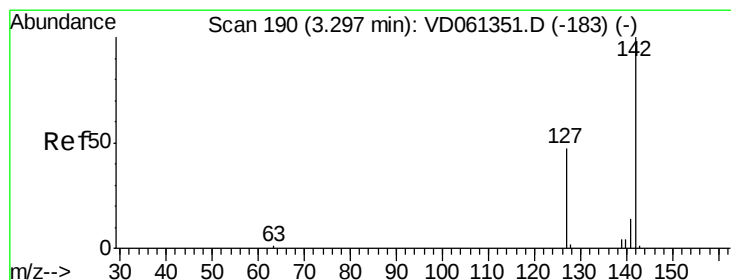
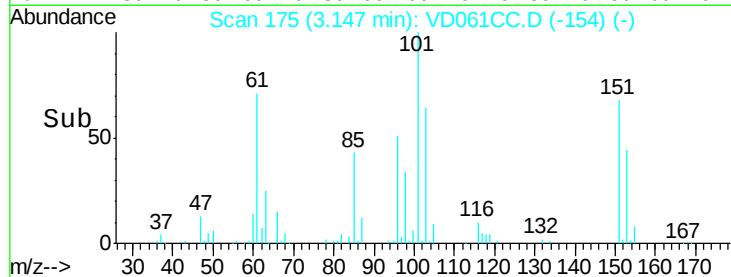
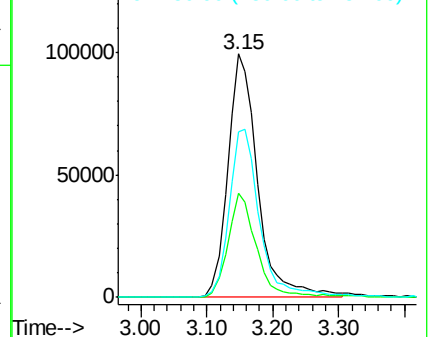
151 68.2 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.868 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

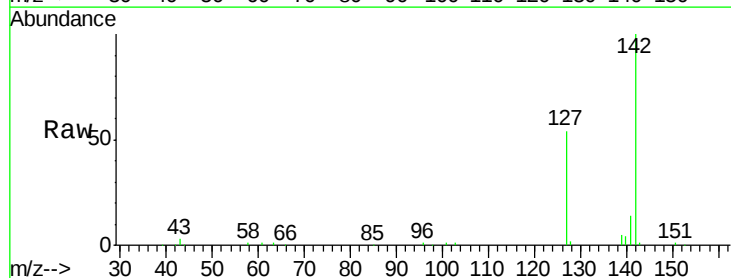
Tgt Ion:142 Resp: 426815

Ion Ratio Lower Upper

142 100

127 53.8 37.7 56.5

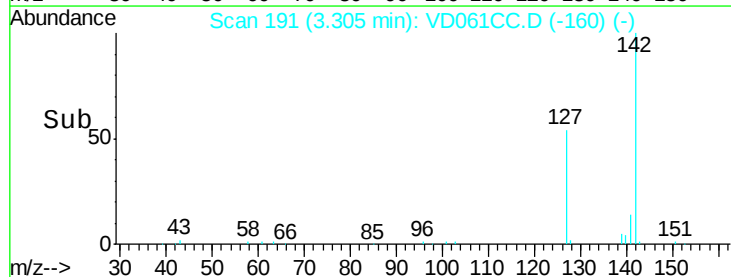
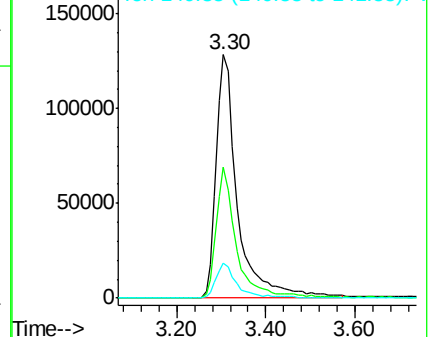
141 14.5 11.5 17.3

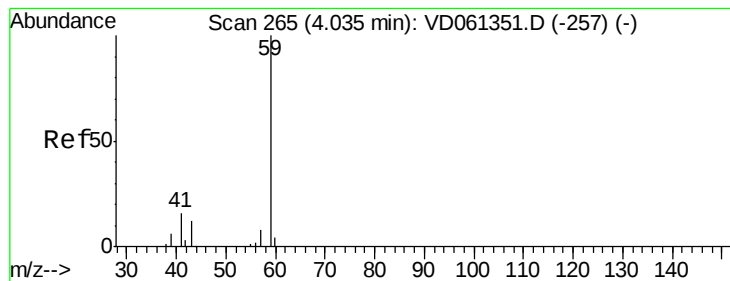


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



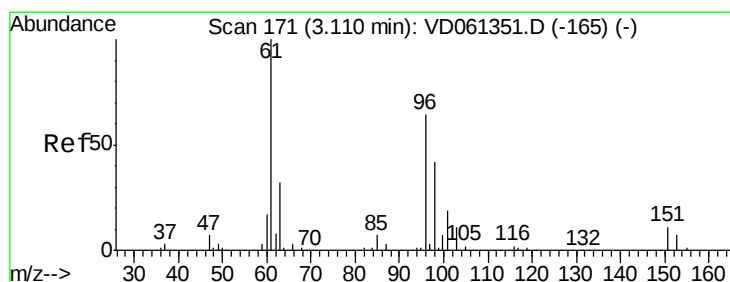
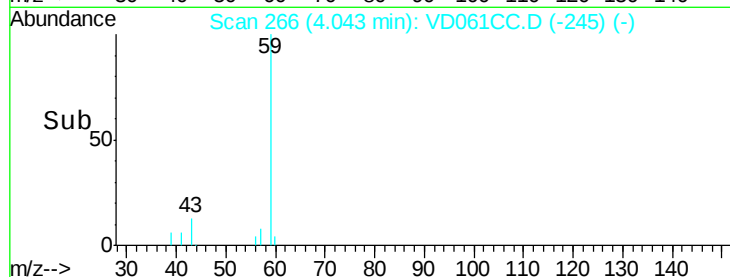
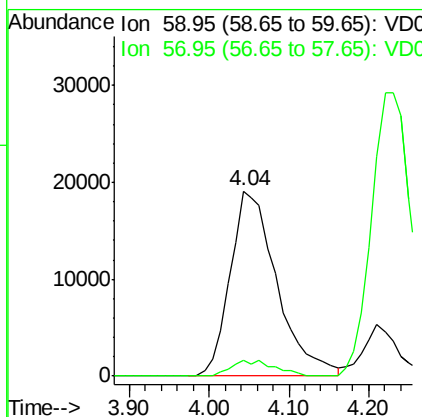
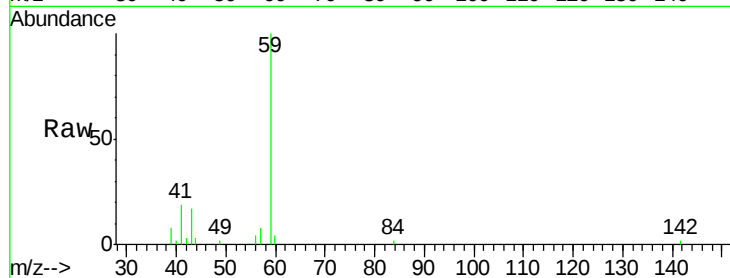


#11

Tert butyl alcohol
Concen: 288.963 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampleId :

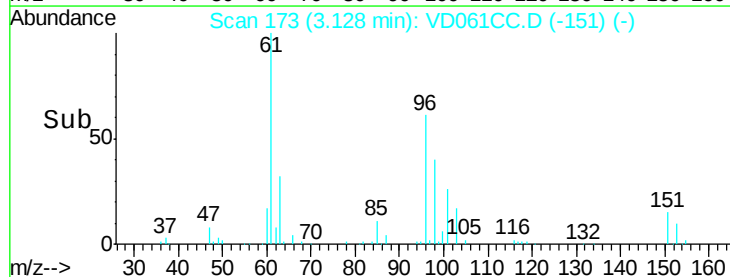
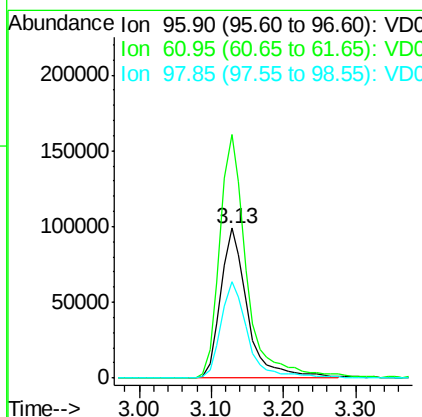
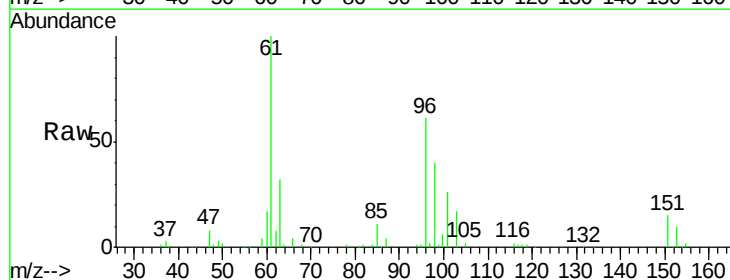
Tot Ion: 59 Resp: 77602
Ion Ratio Lower Upper
59 100
57 8.4 6.7 10.1

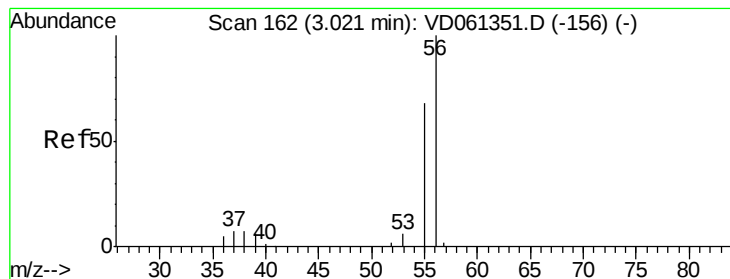


#12

1,1-Dichloroethene
Concen: 47.238 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.02 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion: 96 Resp: 255953
Ion Ratio Lower Upper
96 100
61 162.8 124.9 187.3
98 64.5 52.5 78.7





#13

Acrolein

Concen: 205.495 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

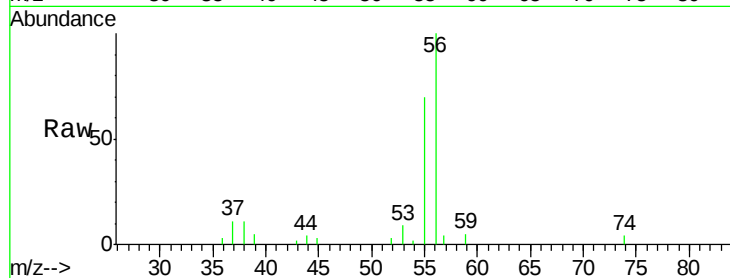
ClientSampleId :

Tot Ion: 56 Resp: 42882

Ion Ratio Lower Upper

56 100

55 70.3 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

20000

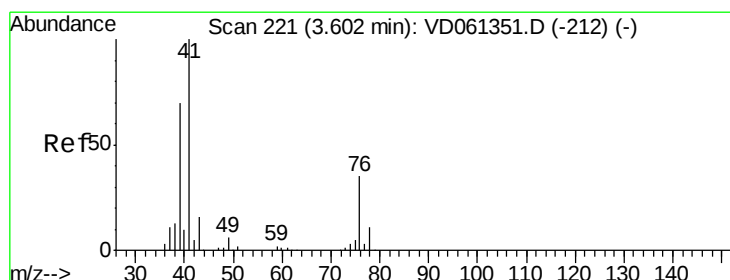
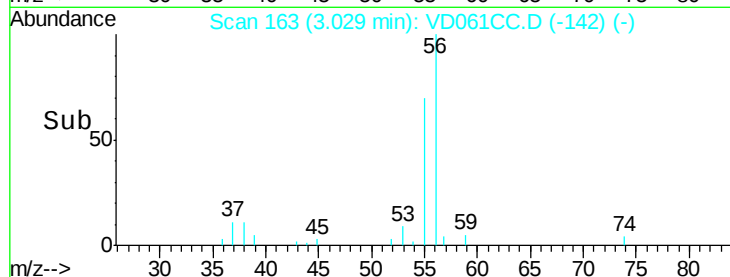
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 48.293 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

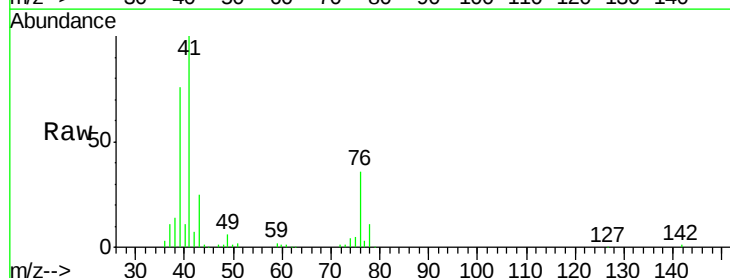
Tgt Ion: 41 Resp: 364972

Ion Ratio Lower Upper

41 100

39 75.8 55.6 83.4

76 35.7 31.0 46.6



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

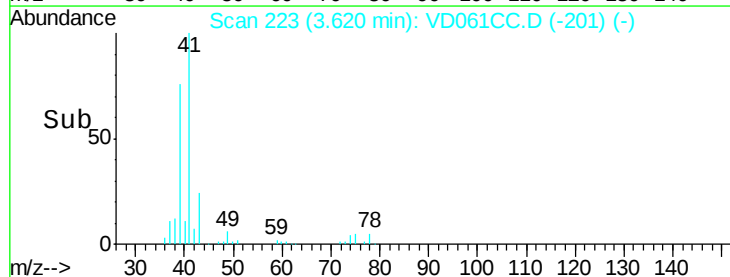
150000

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 258.169 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleId :

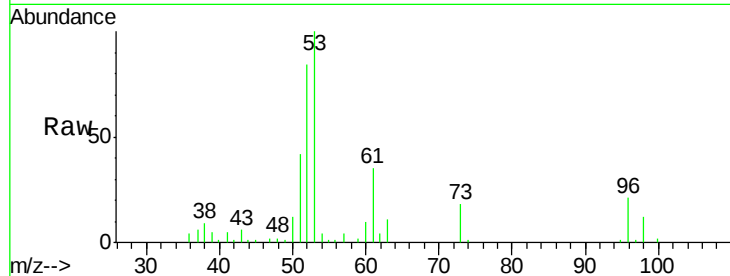
Tot Ion: 53 Resp: 240639

Ion Ratio Lower Upper

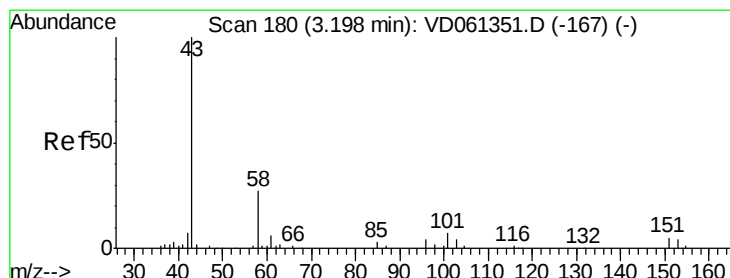
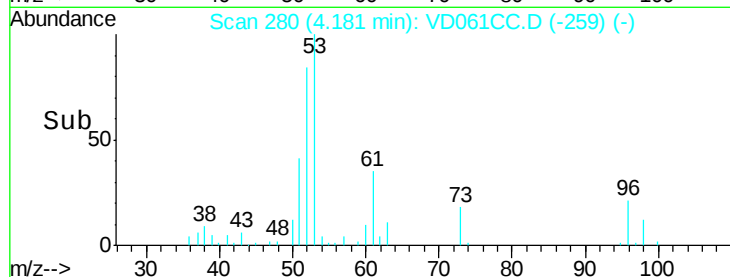
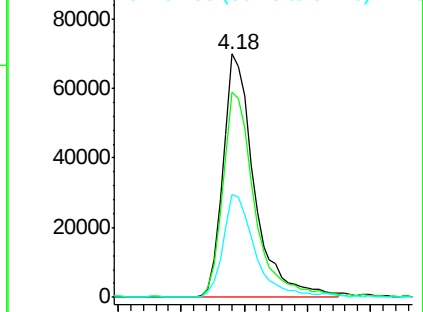
53 100

52 84.2 64.8 97.2

51 42.1 31.4 47.2



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



#16

Acetone

Concen: 250.403 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061CC.D

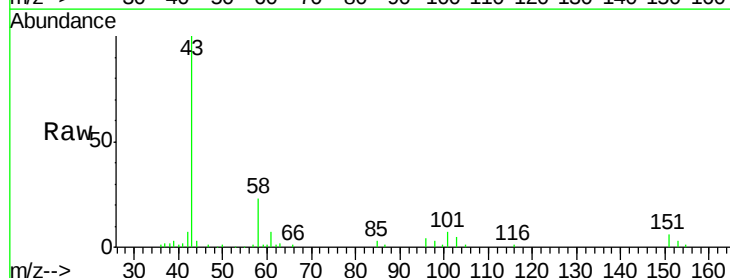
Acq: 2 Apr 2019 1:40

Tgt Ion: 43 Resp: 277581

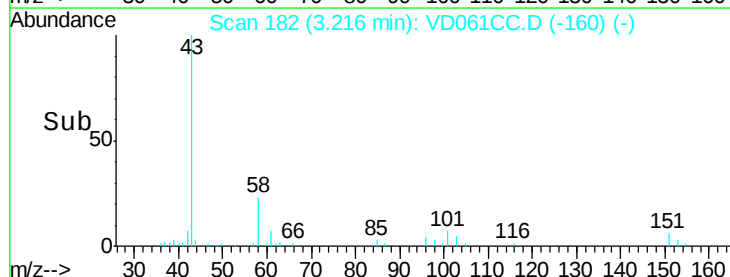
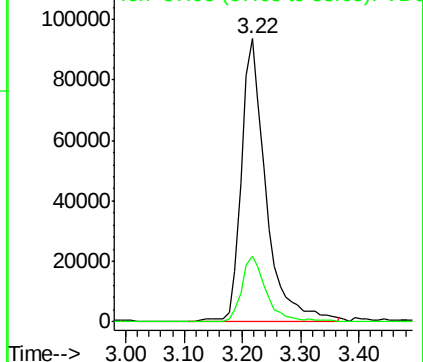
Ion Ratio Lower Upper

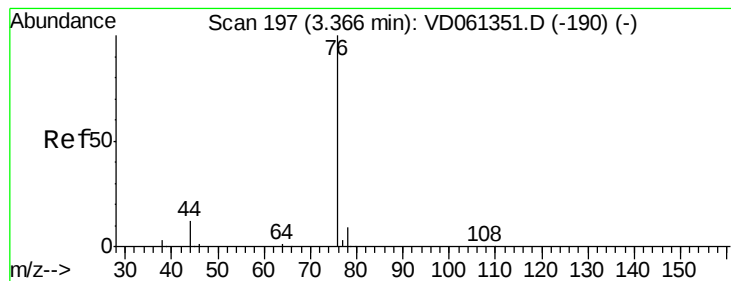
43 100

58 23.1 21.5 32.3



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





#17

Carbon Disulfide

Concen: 43.889 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

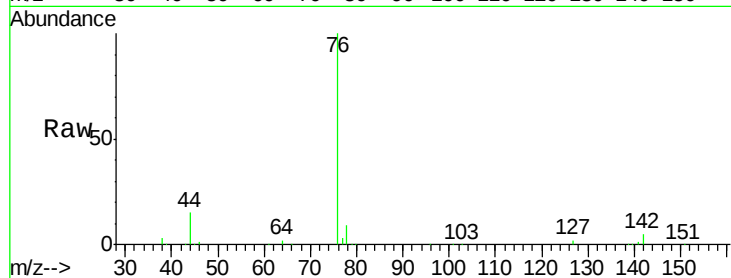
ClientSampled :

Tot Ion: 76 Resp: 772654

Ion Ratio Lower Upper

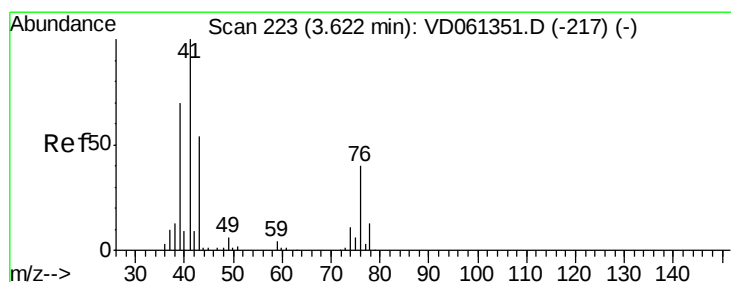
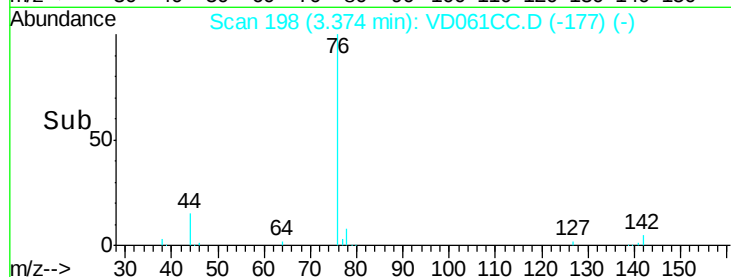
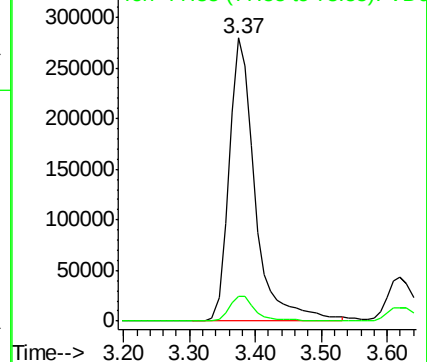
76 100

78 8.9 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 52.848 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD061CC.D

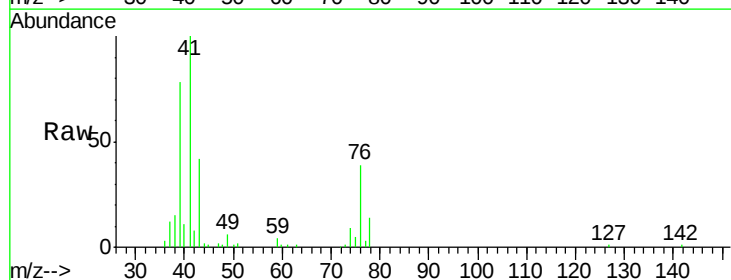
Acq: 2 Apr 2019 1:40

Tgt Ion: 43 Resp: 123176

Ion Ratio Lower Upper

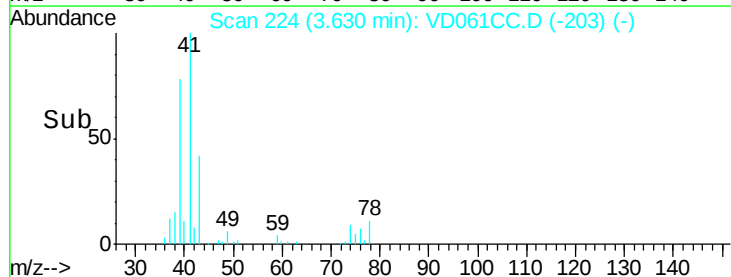
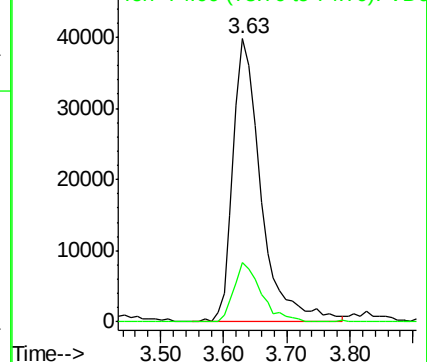
43 100

74 21.1 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

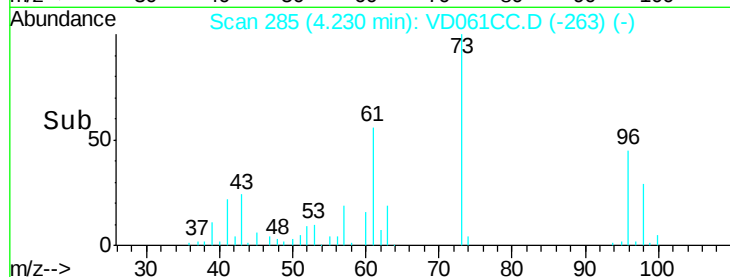
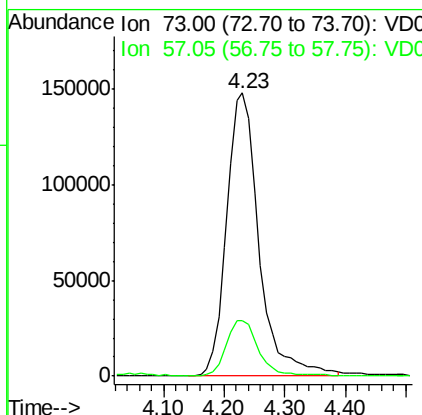
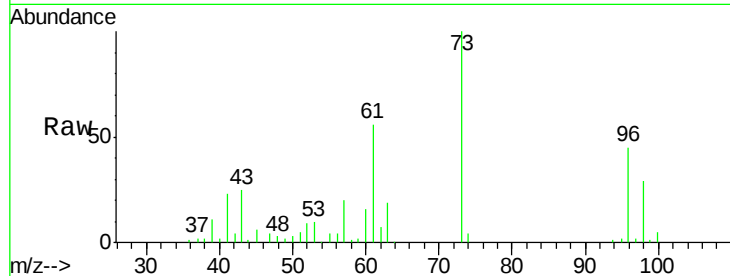




#19
Methvl tert-butvl Ether
Concen: 58.504 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

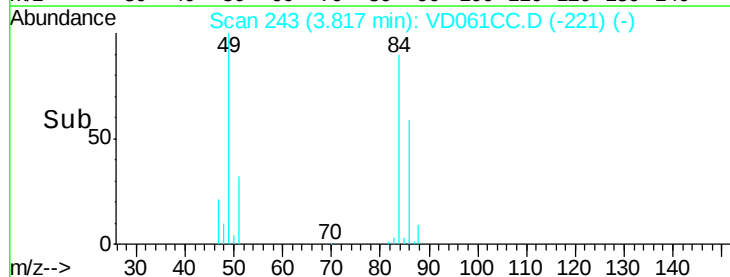
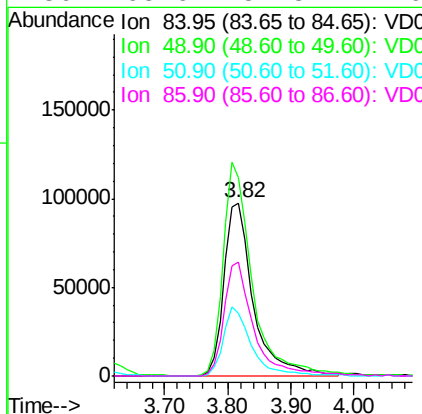
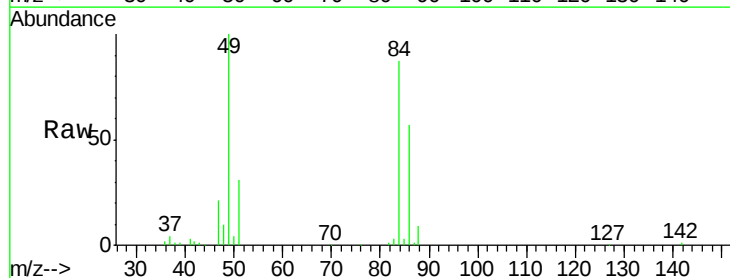
Instrument :
MSVOA_D
ClientSampleId :

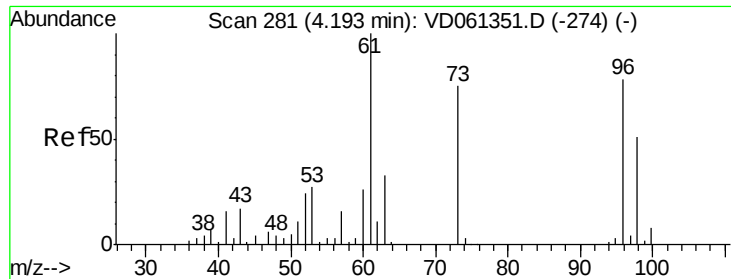
Tot Ion: 73 Resp: 548727
Ion Ratio Lower Upper
73 100
57 19.7 16.4 24.6



#20
Methylene Chloride
Concen: 50.857 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion: 84 Resp: 315616
Ion Ratio Lower Upper
84 100
49 114.7 91.8 137.8
51 36.1 29.8 44.8
86 65.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 52.346 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleId :

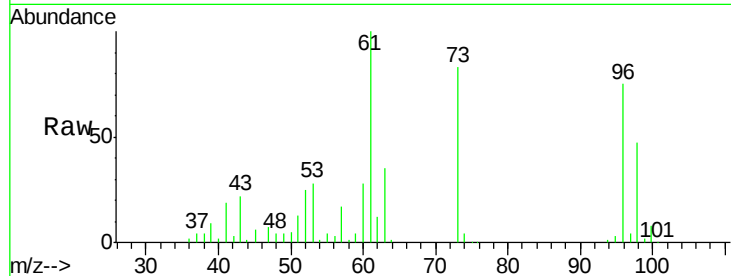
Tot Ion: 96 Resp: 306221

Ion Ratio Lower Upper

96 100

61 133.8 102.7 154.1

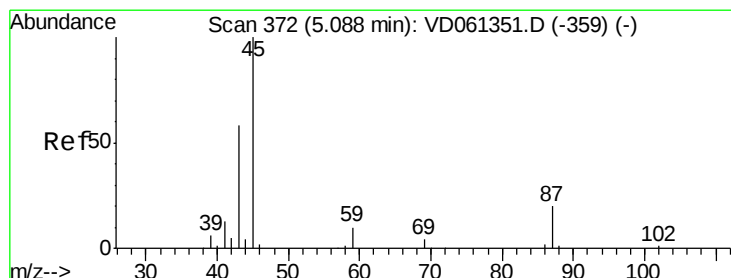
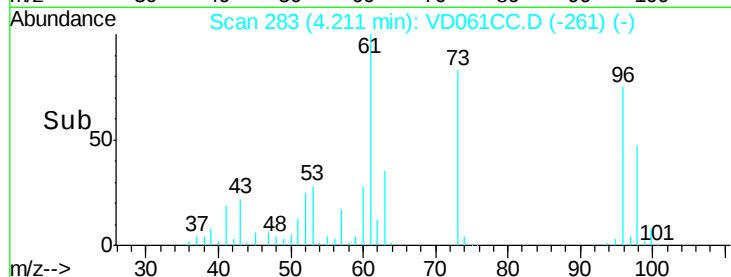
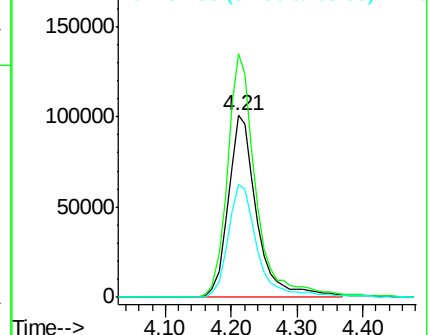
98 62.3 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 54.605 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Tgt Ion: 45 Resp: 873273

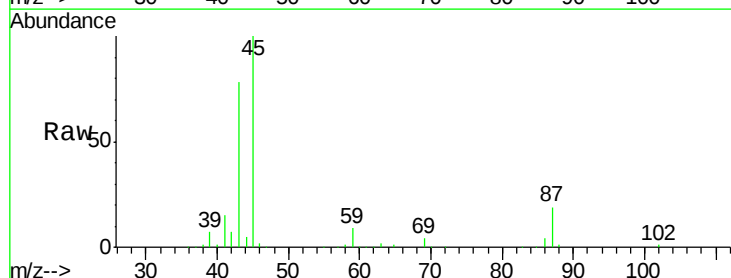
Ion Ratio Lower Upper

45 100

43 78.1 47.4 71.2#

87 19.1 16.3 24.5

59 9.5 8.4 12.6

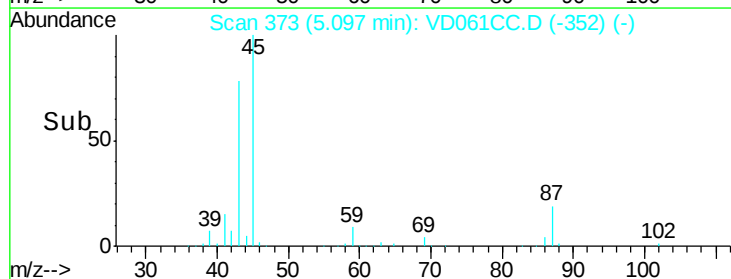
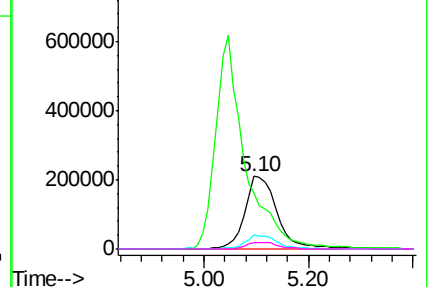


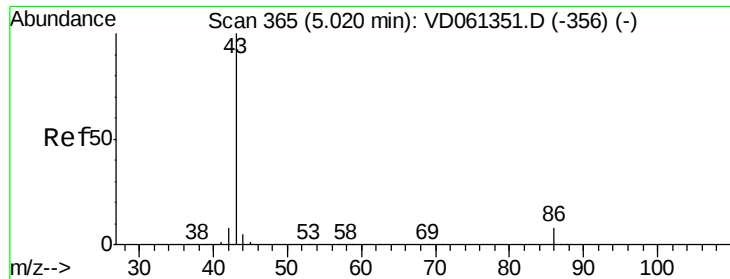
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 276.160 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.03 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

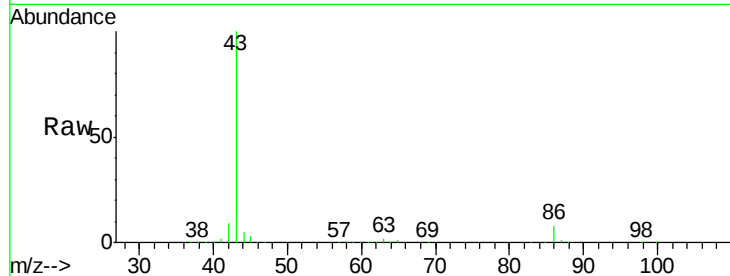
ClientSampled :

Tot Ion: 43 Resp: 2399039

Ion Ratio Lower Upper

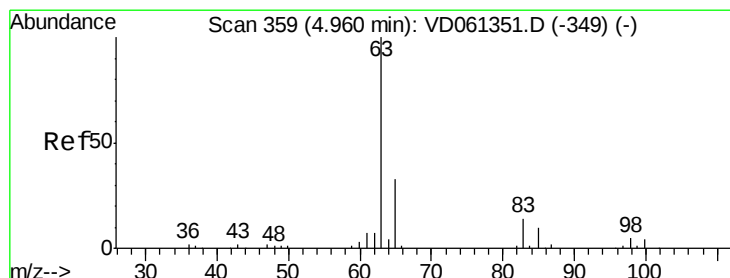
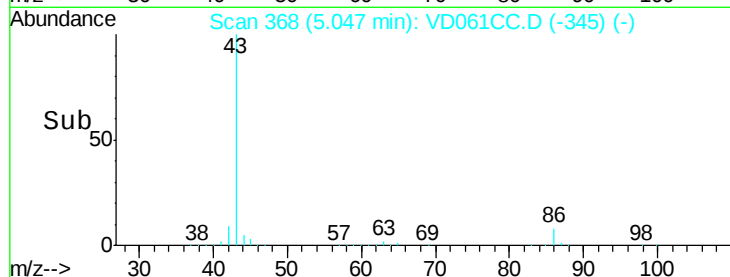
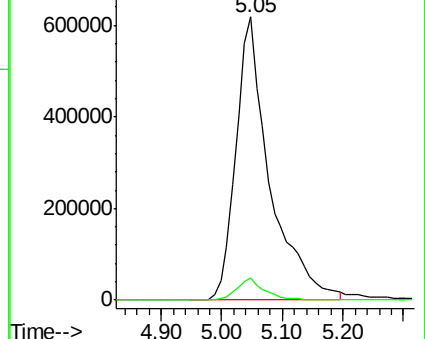
43 100

86 7.7 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.859 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.02 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

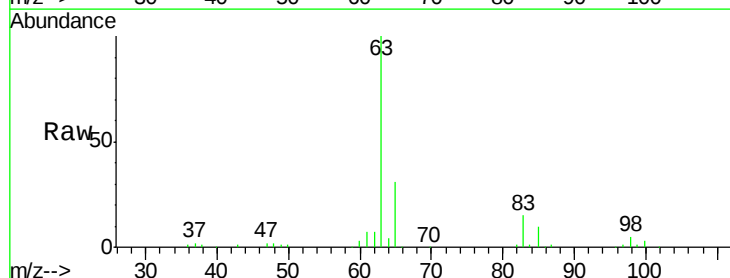
Tgt Ion: 63 Resp: 506202

Ion Ratio Lower Upper

63 100

98 5.4 2.6 8.0

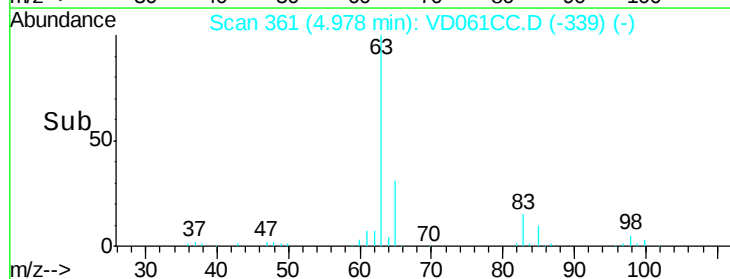
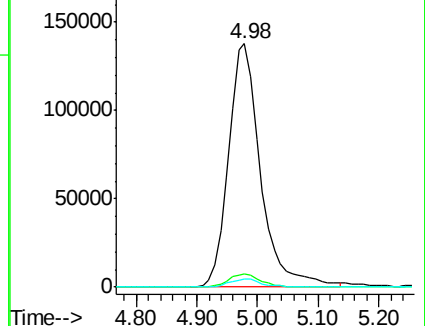
100 3.1 1.8 5.3

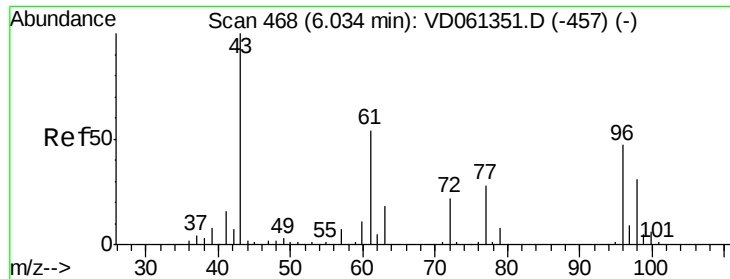


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 266.455 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

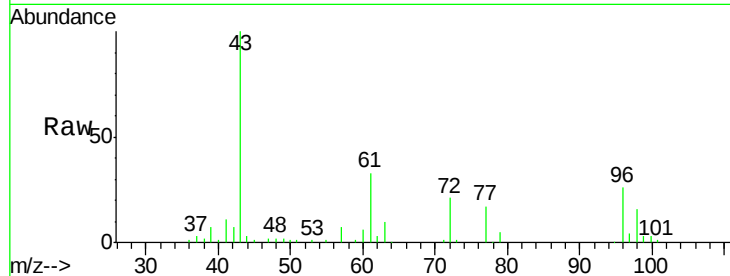
ClientSampleId :

Tot Ion: 43 Resp: 371555

Ion Ratio Lower Upper

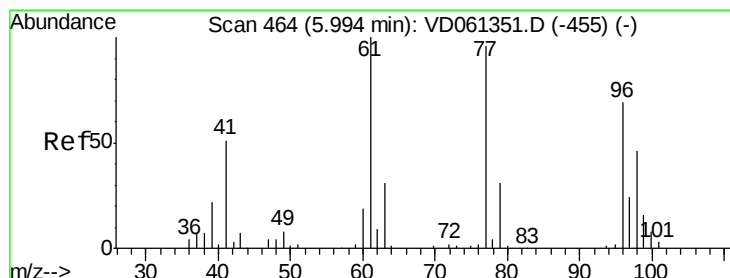
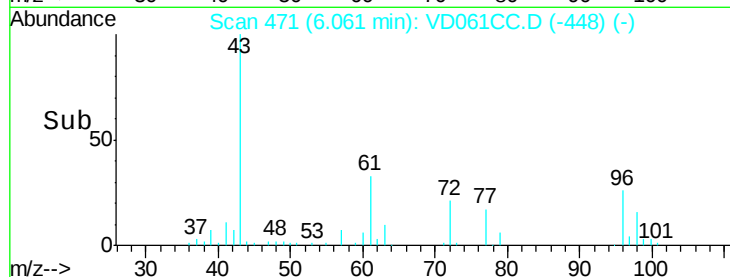
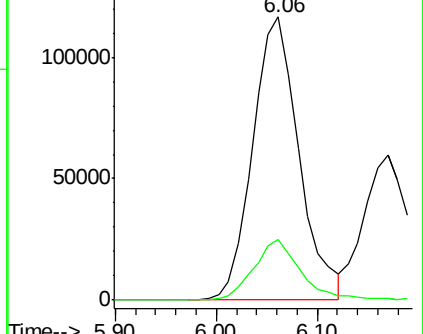
43 100

72 21.2 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.838 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD061CC.D

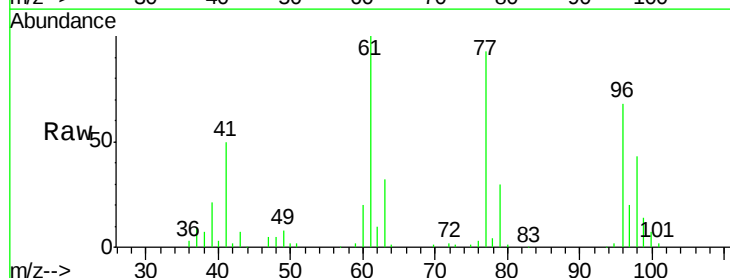
Acq: 2 Apr 2019 1:40

Tgt Ion: 77 Resp: 387305

Ion Ratio Lower Upper

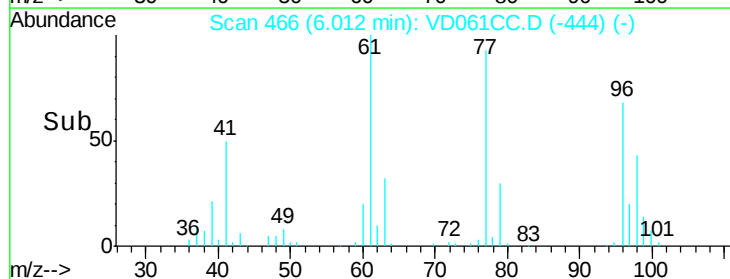
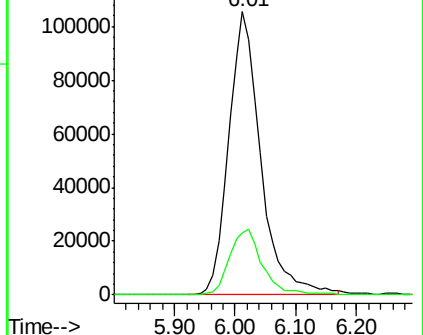
77 100

97 22.0 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



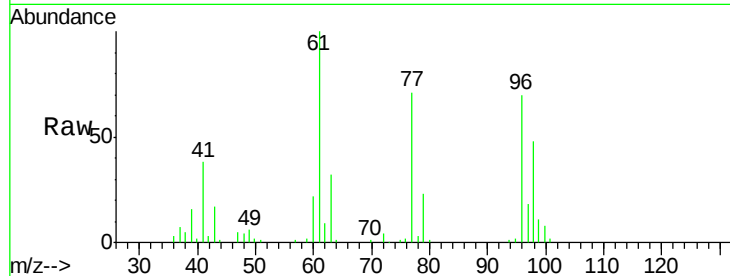


#27

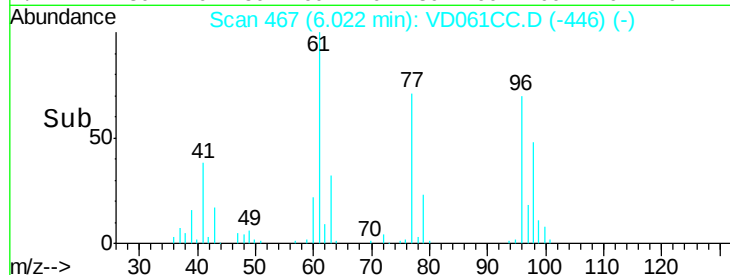
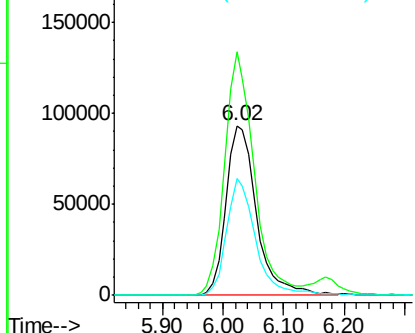
cis-1,2-Dichloroethene
Concen: 51.129 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	251.6
98	68.7	0.0	129.2



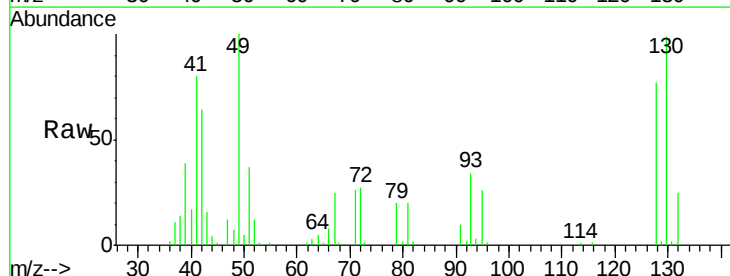
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



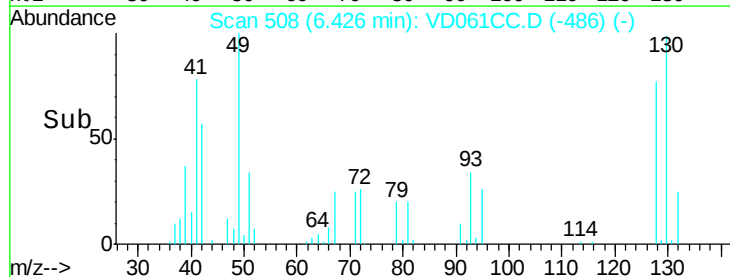
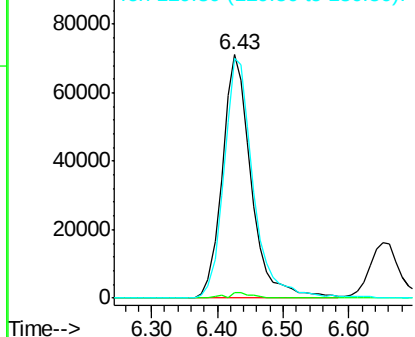
#28

Bromochloromethane
Concen: 57.538 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.02 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	98.6	78.4	117.6



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: 300.954 ug/l

RT: 6.45 min Scan# 510

Delta R.T. 0.03 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampled :

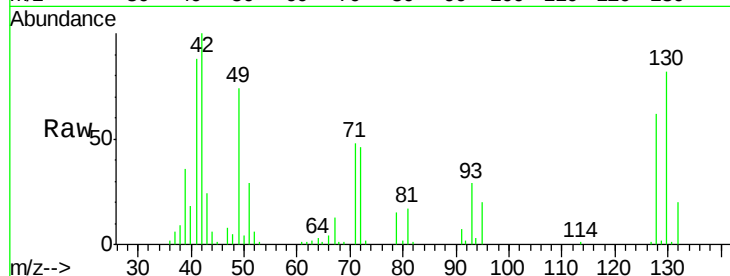
Tot Ion: 42 Resp: 203408

Ion Ratio Lower Upper

42 100

72 45.5 37.4 56.0

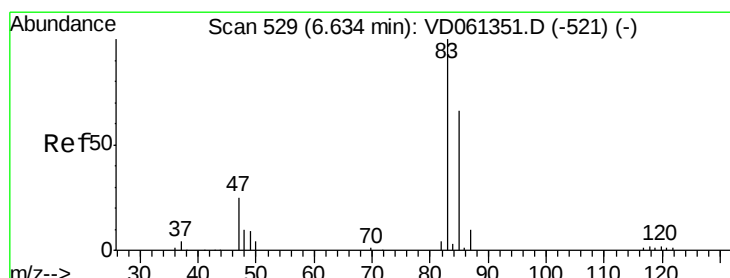
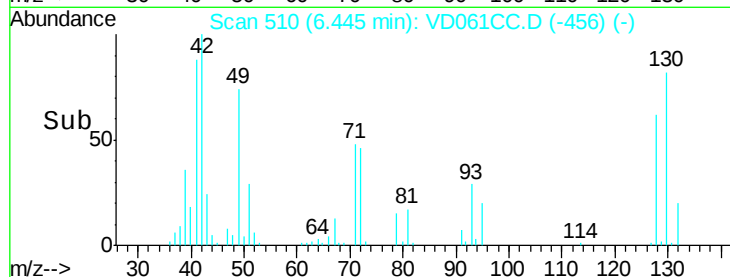
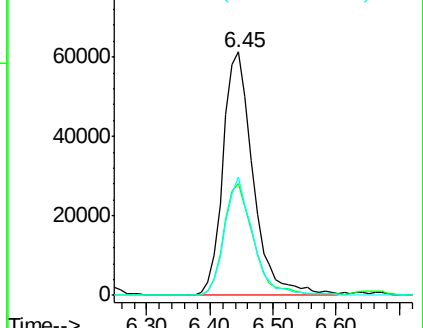
71 44.9 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 60.816 ug/l

RT: 6.65 min Scan# 531

Delta R.T. 0.02 min

Lab File: VD061CC.D

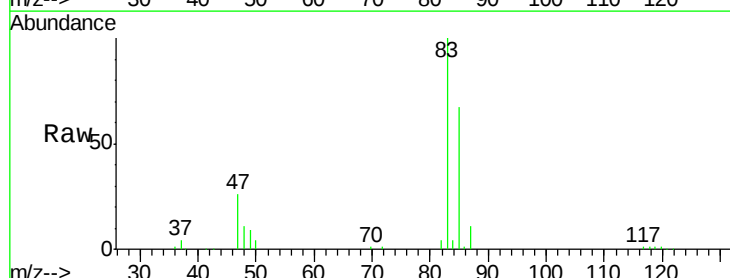
Acq: 2 Apr 2019 1:40

Tgt Ion: 83 Resp: 590614

Ion Ratio Lower Upper

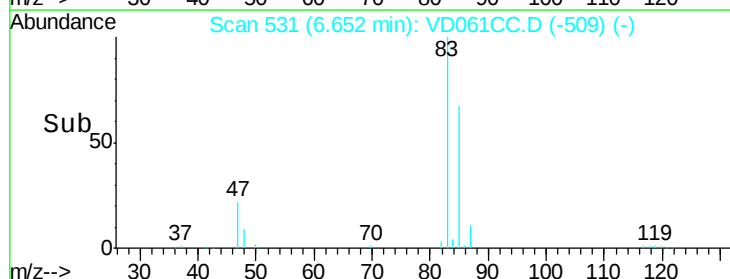
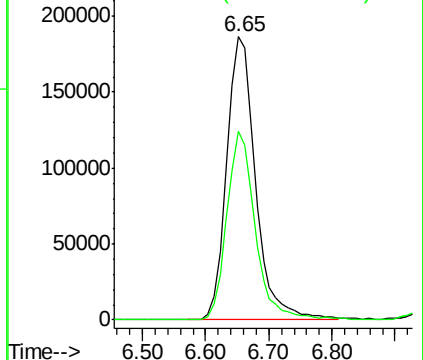
83 100

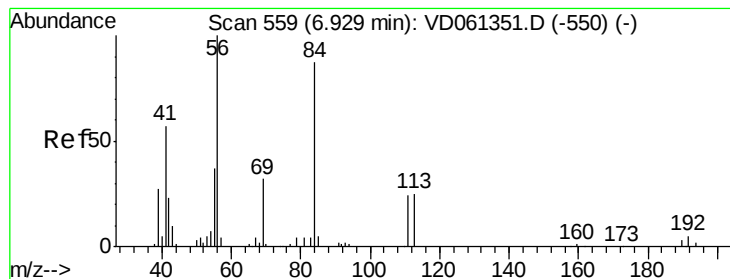
85 66.8 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 48.299 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleId :

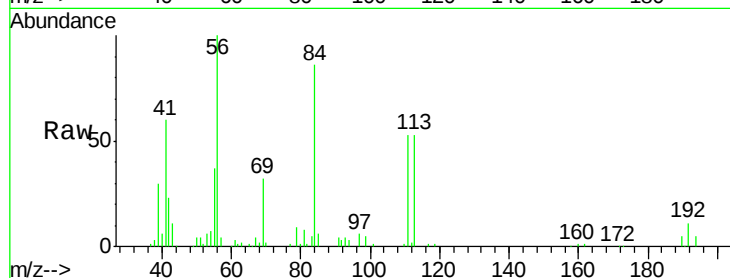
Tot Ion: 56 Resp: 358730

Ion Ratio Lower Upper

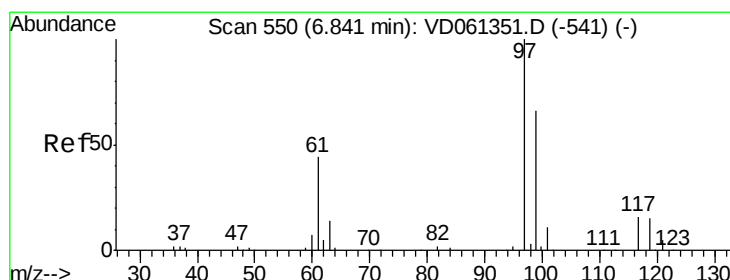
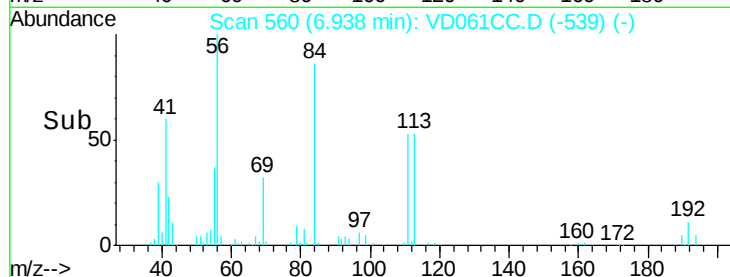
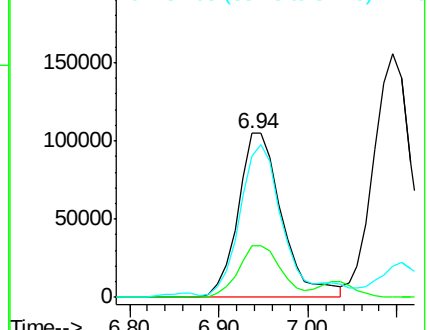
56 100

69 31.6 25.7 38.5

84 86.3 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 56.909 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

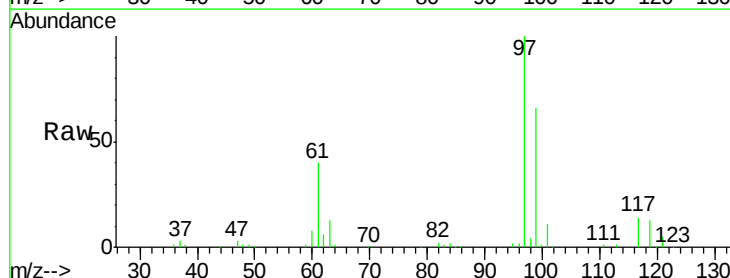
Tgt Ion: 97 Resp: 487576

Ion Ratio Lower Upper

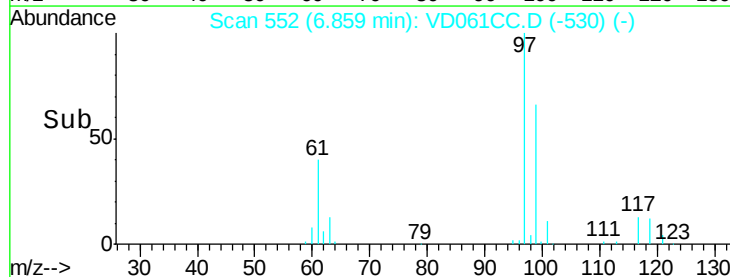
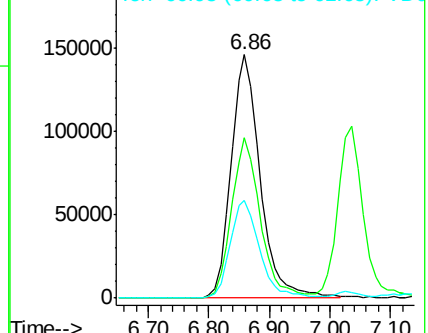
97 100

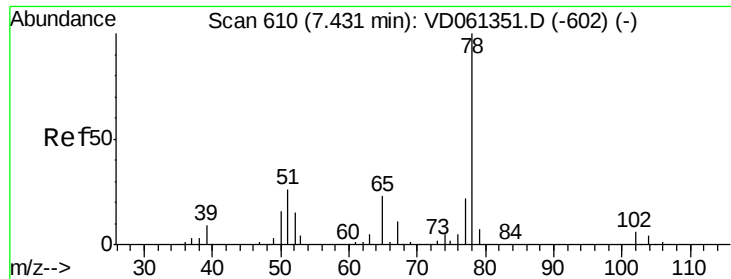
99 66.0 53.1 79.7

61 40.2 35.5 53.3



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

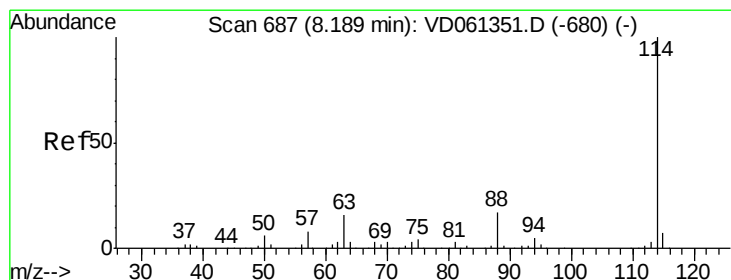
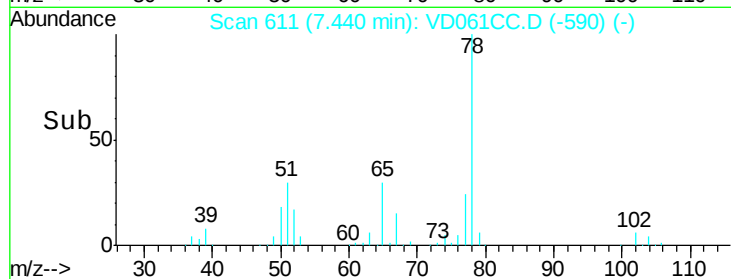
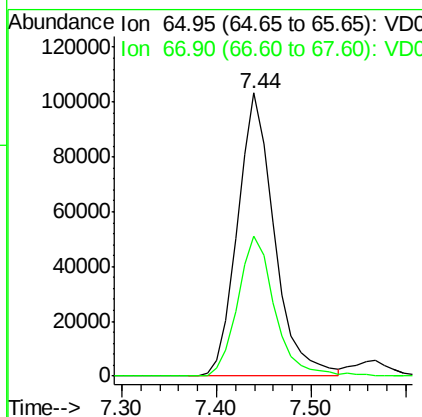
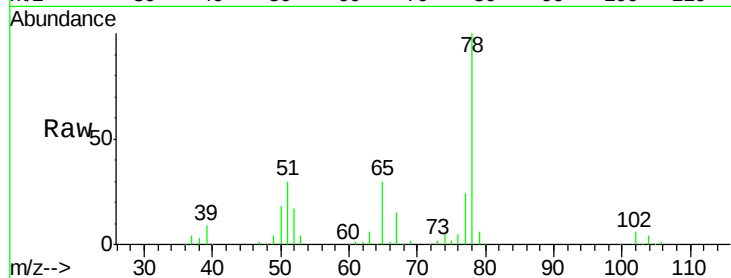




#33
 1,2-Dichloroethane-d4
 Concen: 56.909 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

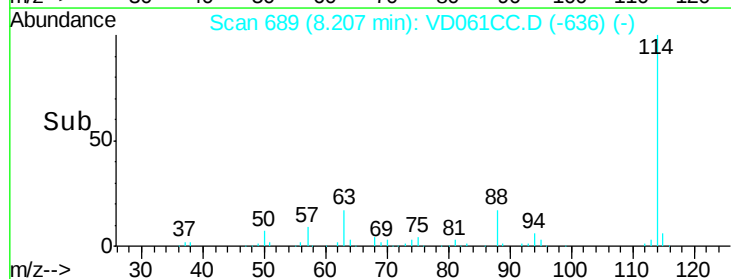
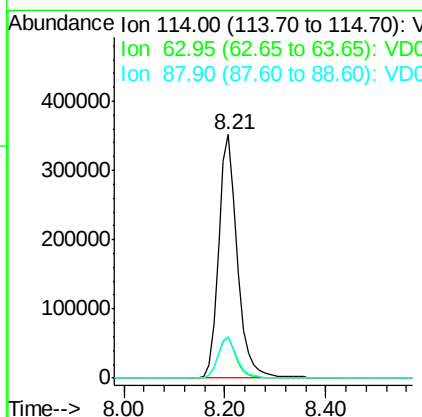
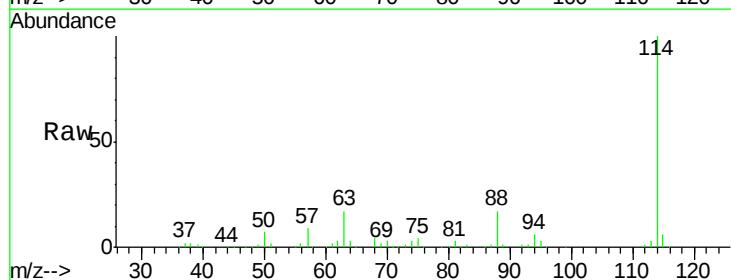
Instrument :
 MSVOA_D
 ClientSampleID :

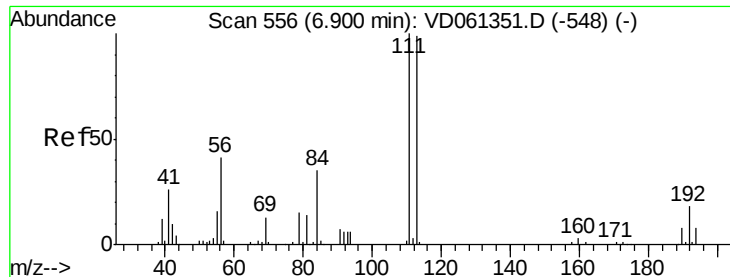
Tot Ion: 65 Resp: 278255
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion: 114 Resp: 915897
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.6
 88 16.9 0.0 33.4

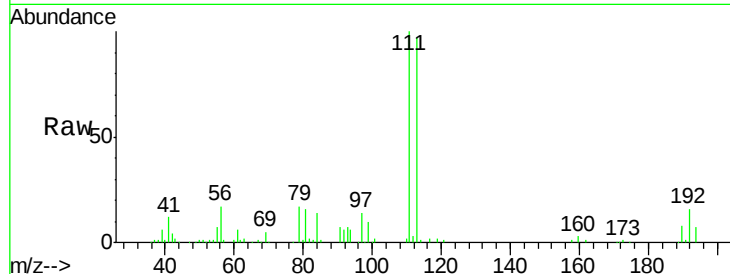




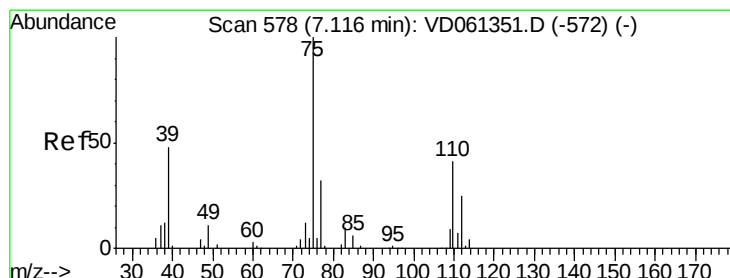
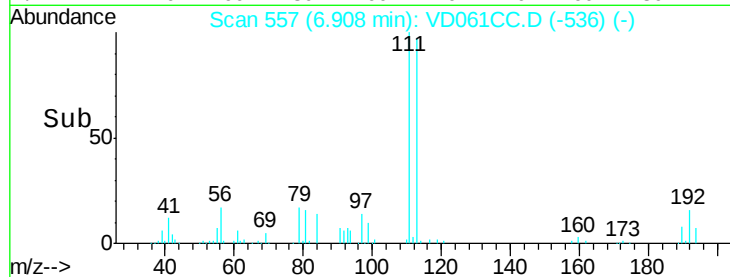
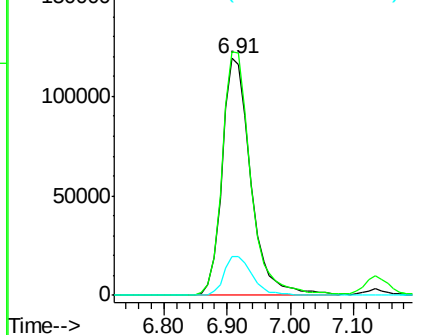
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.0	121.6
192	16.1	14.4	21.6

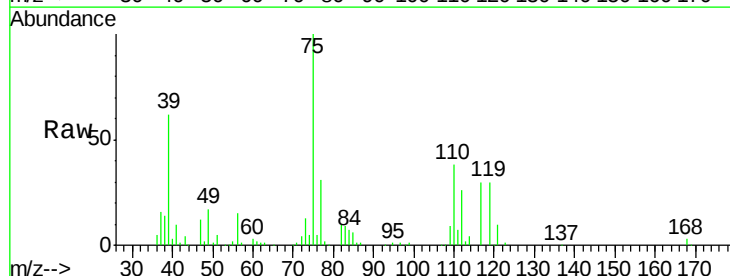


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

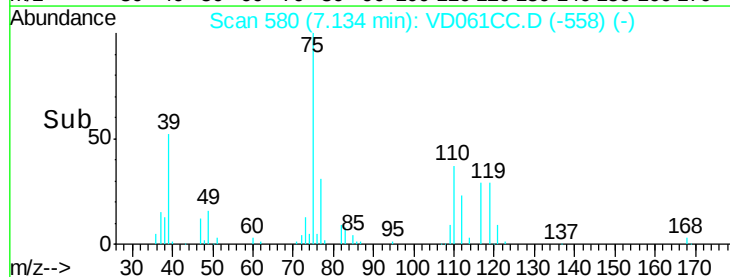
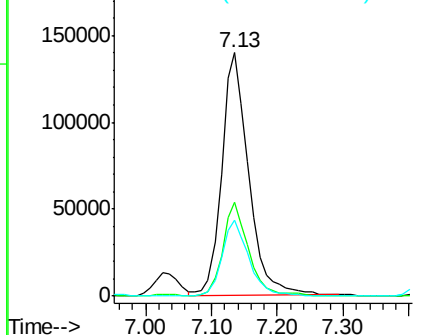


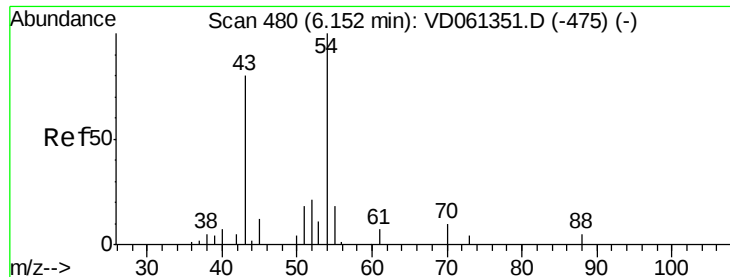
#36
 1,1-Dichloropropene
 Concen: 49.741 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	20.4	61.3
77	31.4	24.9	37.3



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

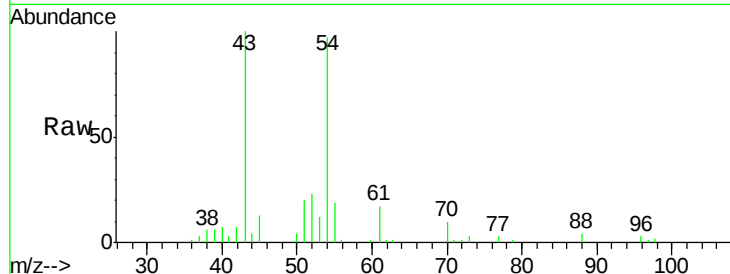




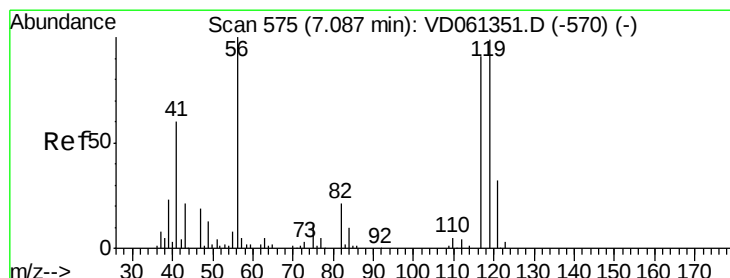
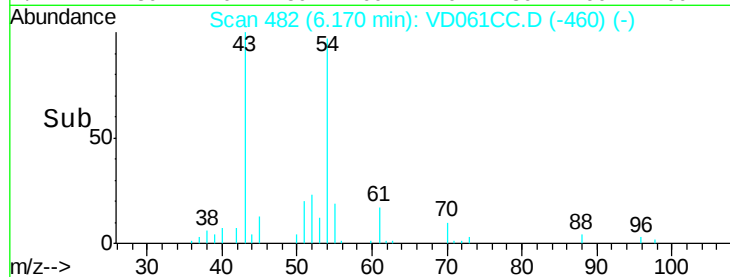
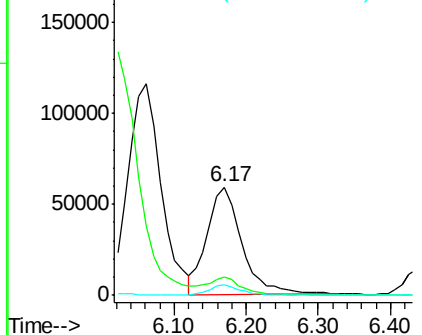
#37
Ethyl Acetate
Concen: 57.413 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 196279
Ion Ratio Lower Upper
43 100
61 16.7 13.8 20.8
70 9.9 7.8 11.8

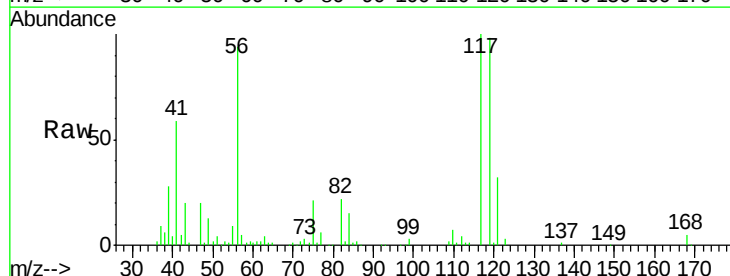


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

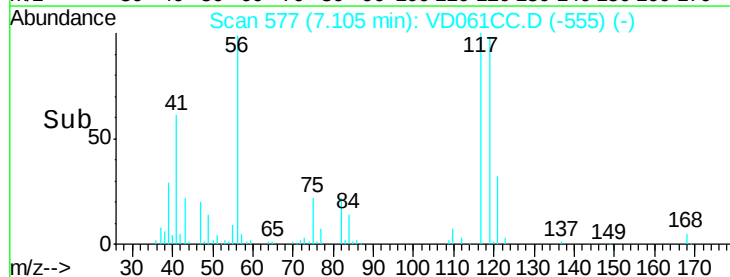
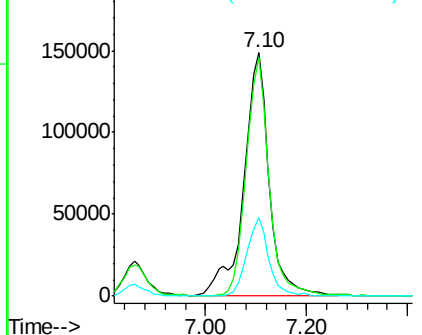


#38
Carbon Tetrachloride
Concen: 56.349 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.02 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion: 117 Resp: 517601
Ion Ratio Lower Upper
117 100
119 98.2 80.1 120.1
121 32.3 25.6 38.4



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





#39

Methvlcvclohexane

Concen: 46.405 ug/l

RT: 8.85 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleId :

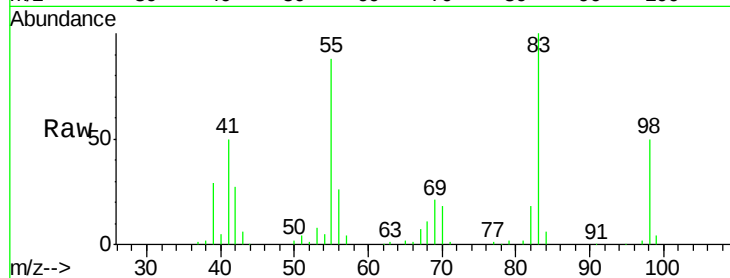
Tot Ion: 83 Resp: 386342

Ion Ratio Lower Upper

83 100

55 87.5 71.5 107.3

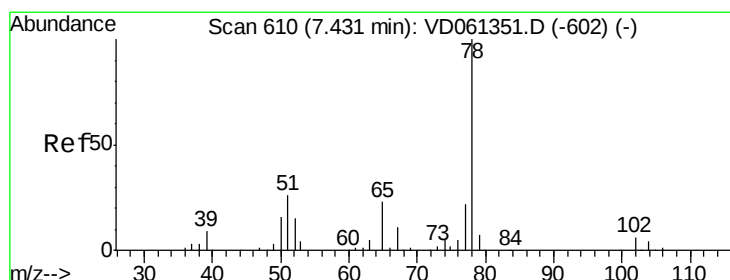
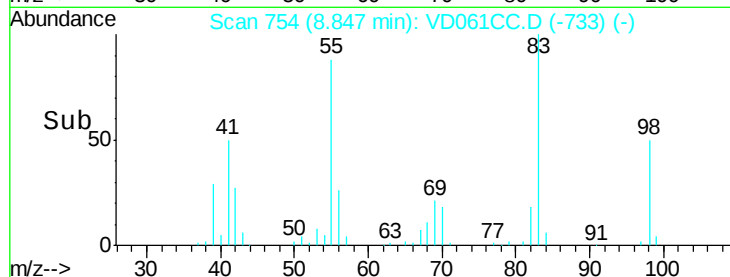
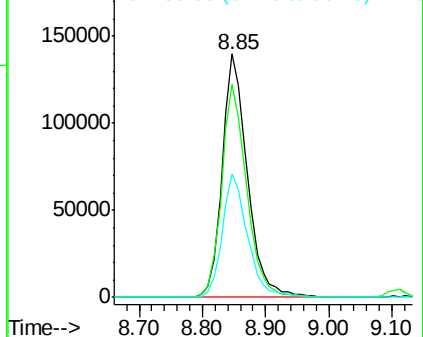
98 50.4 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.422 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061CC.D

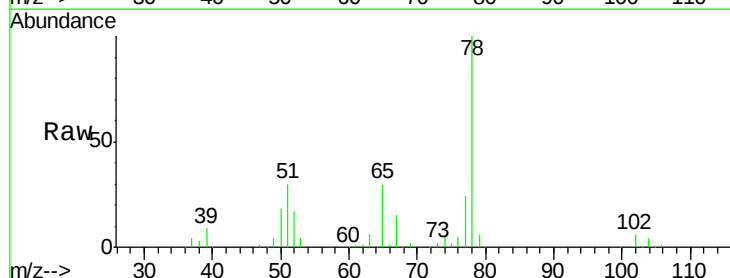
Acq: 2 Apr 2019 1:40

Tgt Ion: 78 Resp: 1011575

Ion Ratio Lower Upper

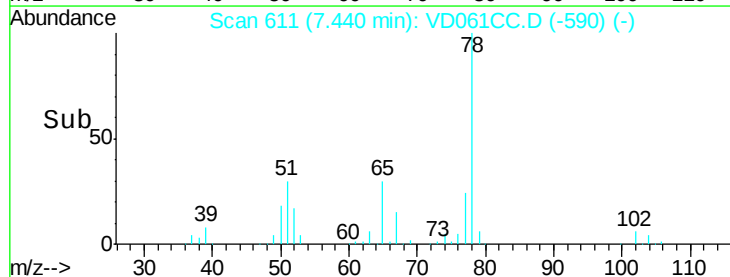
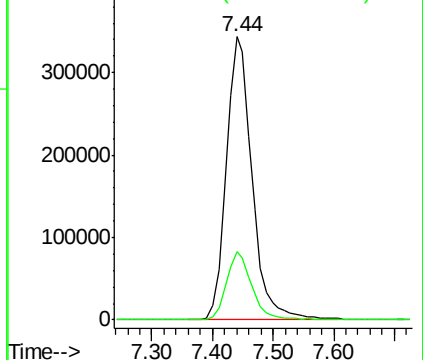
78 100

77 24.2 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

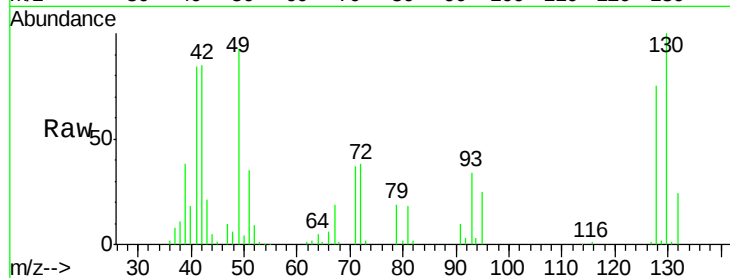




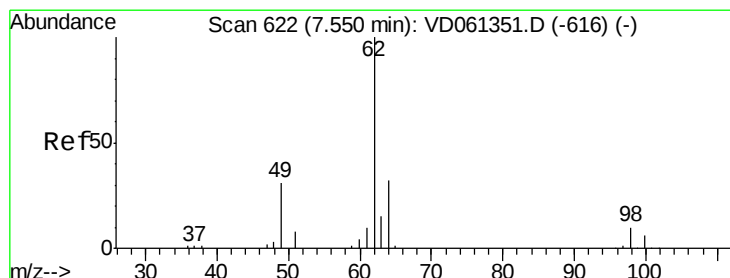
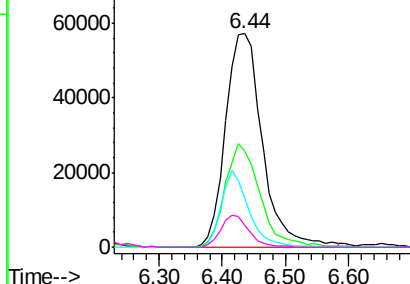
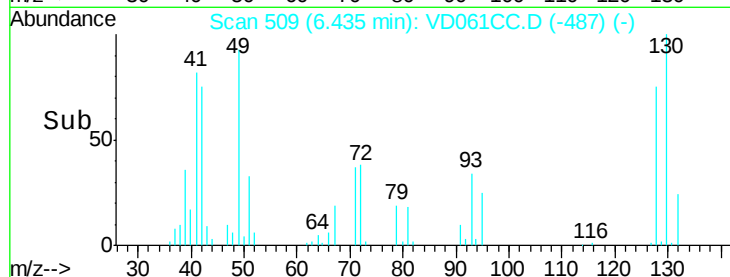
#41
Methacrylonitrile
Concen: 57.823 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 231137
Ion Ratio Lower Upper
41 100
39 44.8 35.0 52.6
67 22.9 21.0 31.6
52 10.3 7.7 11.5

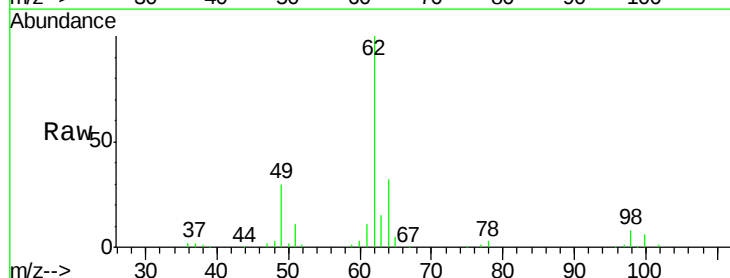


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

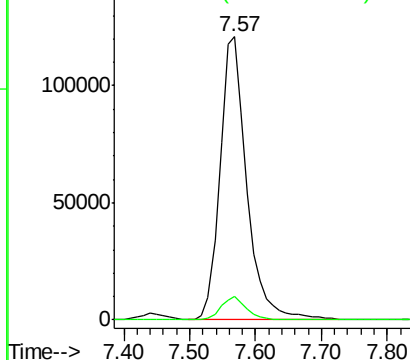
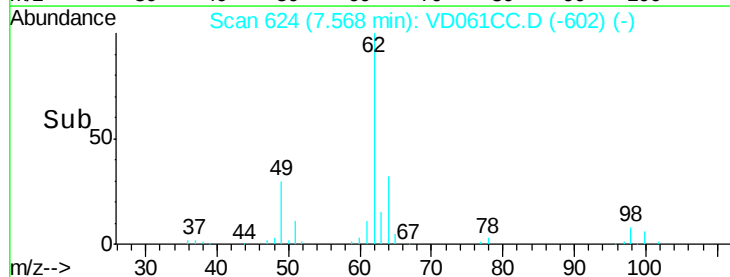


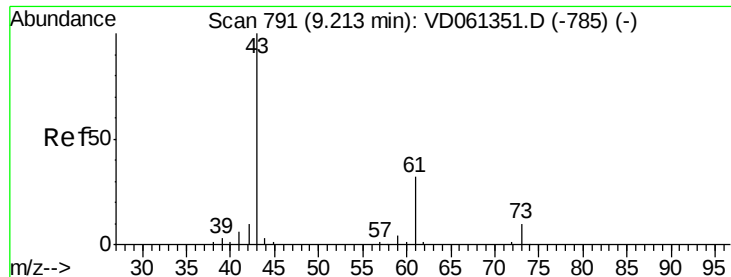
#42
1,2-Dichloroethane
Concen: 57.230 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion: 62 Resp: 343440
Ion Ratio Lower Upper
62 100
98 8.1 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



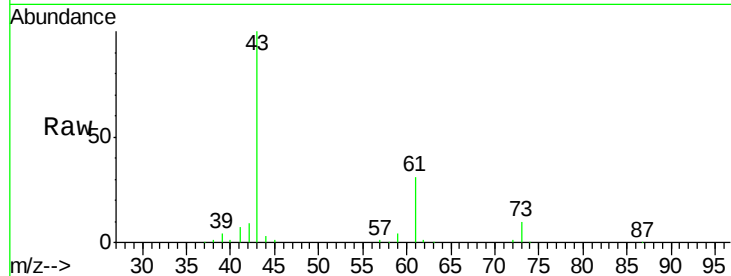


#43

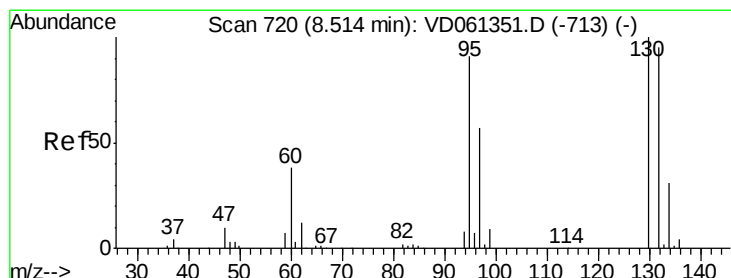
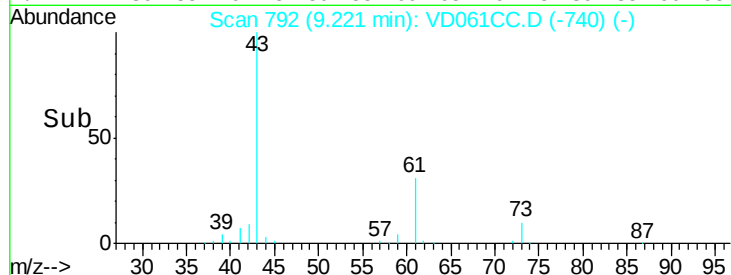
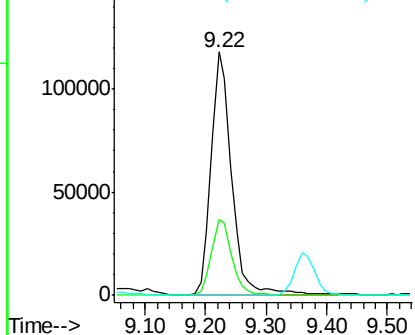
Isopropyl Acetate
 Concen: 56.502 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 281050
 Ion Ratio Lower Upper
 43 100
 61 31.1 25.8 38.6
 87 0.4 0.0 0.0#



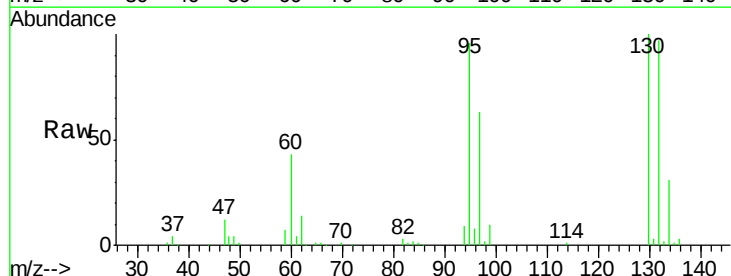
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



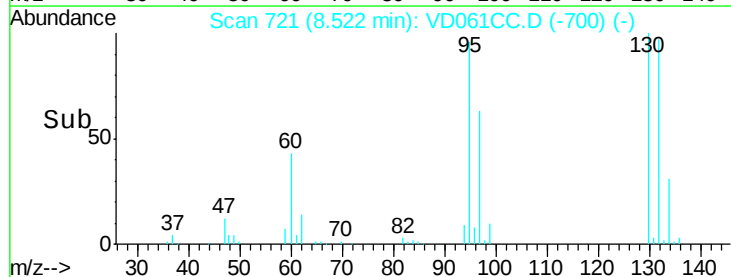
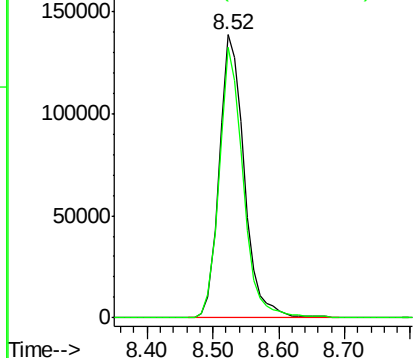
#44

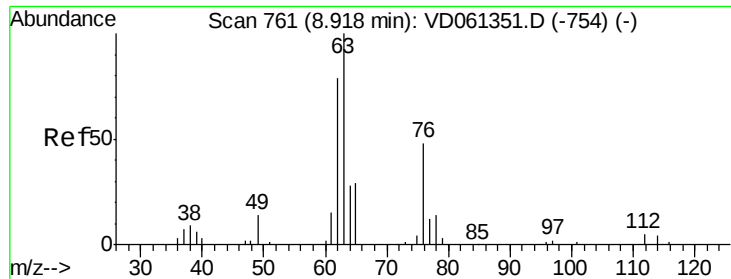
Trichloroethene
 Concen: 48.982 ug/l
 RT: 8.52 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion:130 Resp: 365704
 Ion Ratio Lower Upper
 130 100
 95 95.5 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 52.406 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

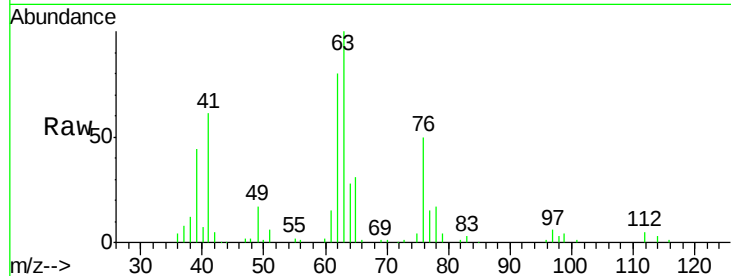
ClientSampleId :

Tot Ion: 63 Resp: 266599

Ion Ratio Lower Upper

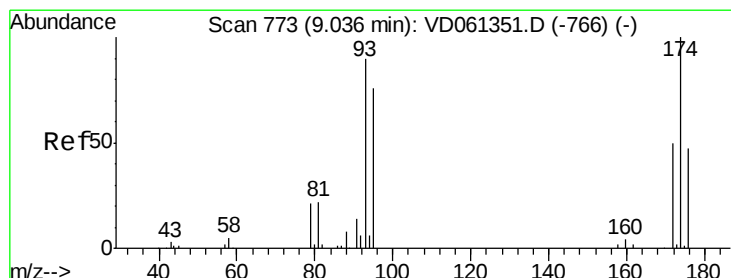
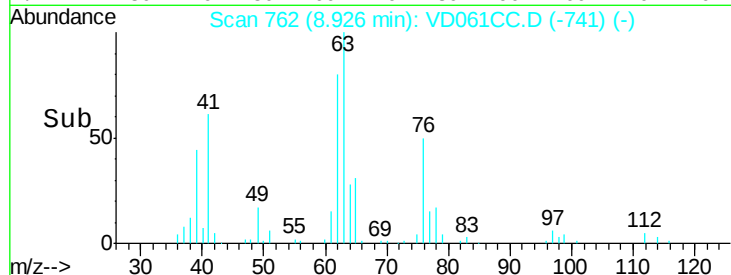
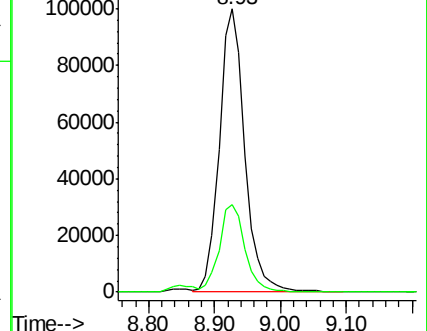
63 100

65 30.7 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 58.593 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.02 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

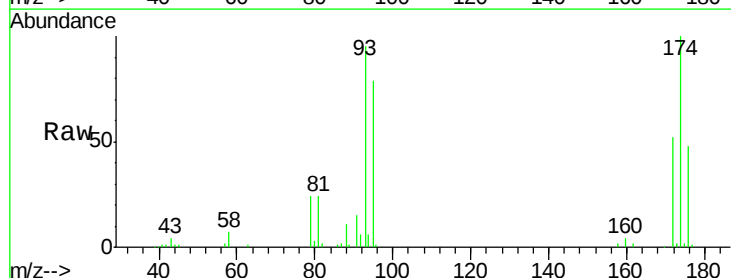
Tgt Ion: 93 Resp: 200623

Ion Ratio Lower Upper

93 100

95 83.4 67.4 101.0

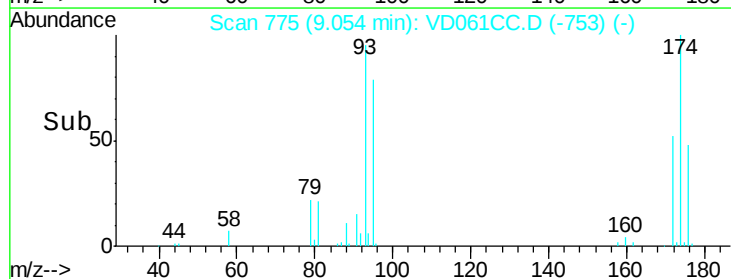
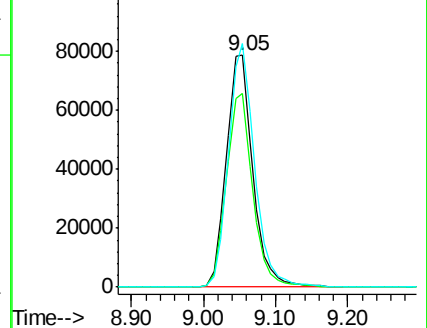
174 105.1 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 61.513 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampled :

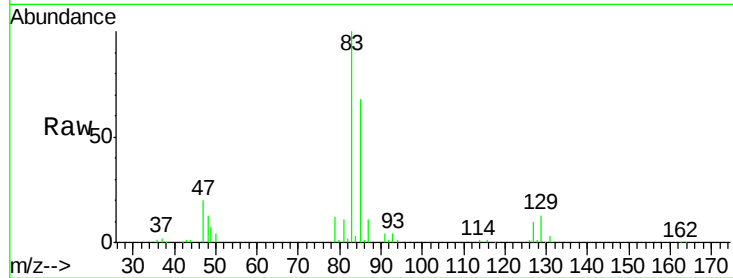
Tot Ion: 83 Resp: 472732

Ion Ratio Lower Upper

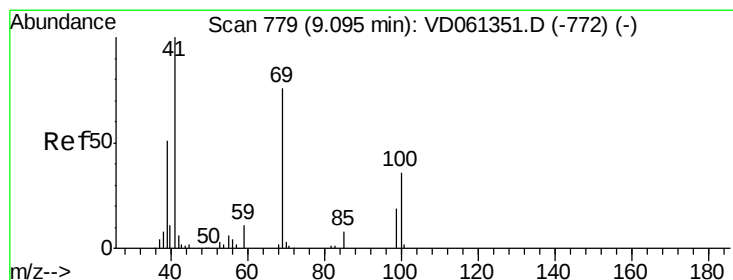
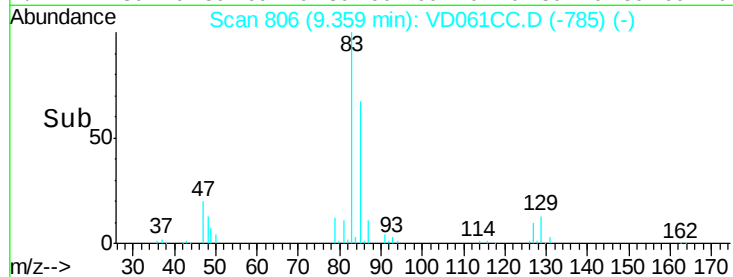
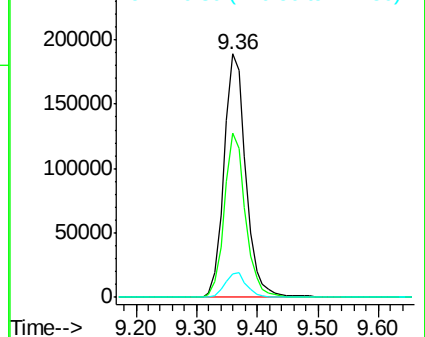
83 100

85 67.7 53.0 79.4

127 9.8 8.4 12.6



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



#48

Methyl methacrylate

Concen: 57.319 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

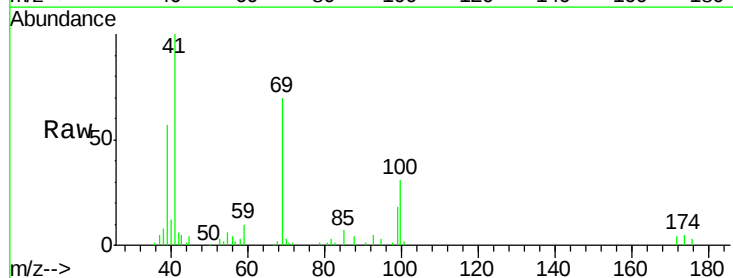
Tgt Ion: 41 Resp: 157352

Ion Ratio Lower Upper

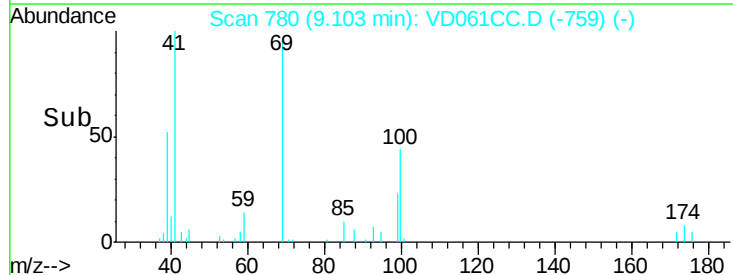
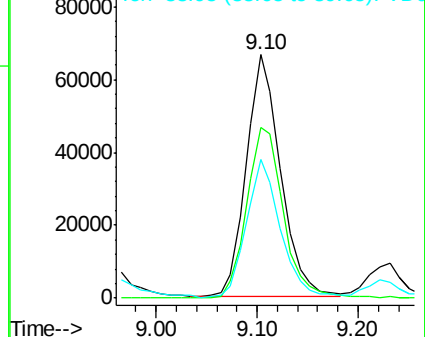
41 100

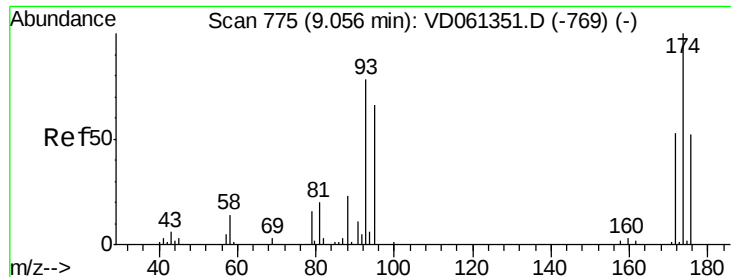
69 70.3 60.2 90.4

39 56.8 41.4 62.2



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

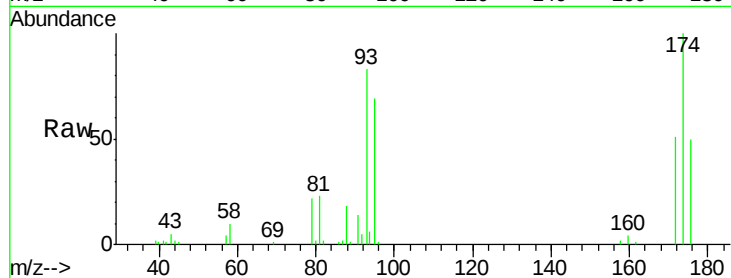




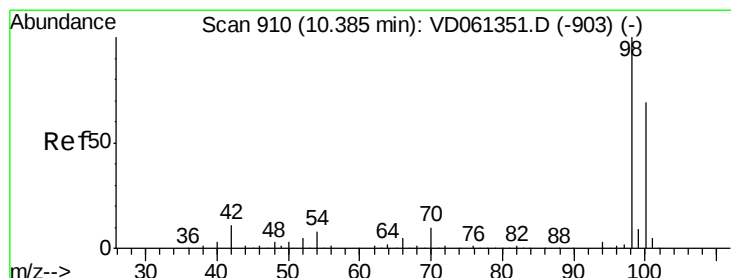
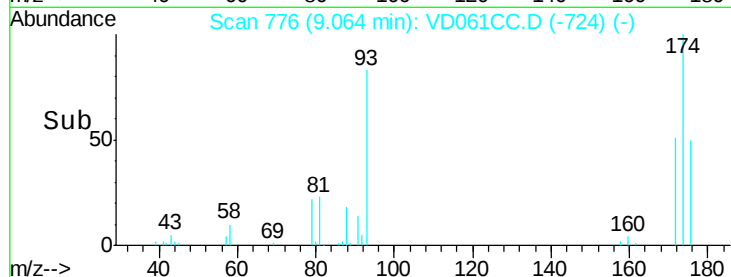
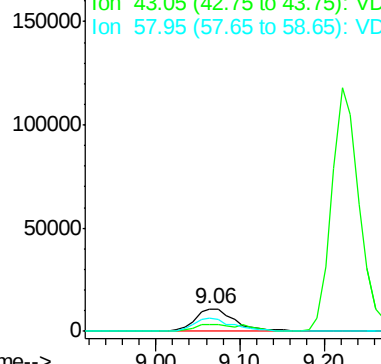
#49
1,4-Dioxane
Concen: 1169.286 ug/l
RT: 9.06 min Scan# 776
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 35405
Ion Ratio Lower Upper
88 100
43 30.4 23.3 34.9
58 57.2 50.8 76.2

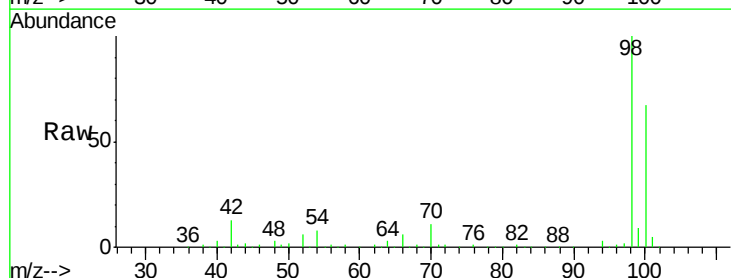


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

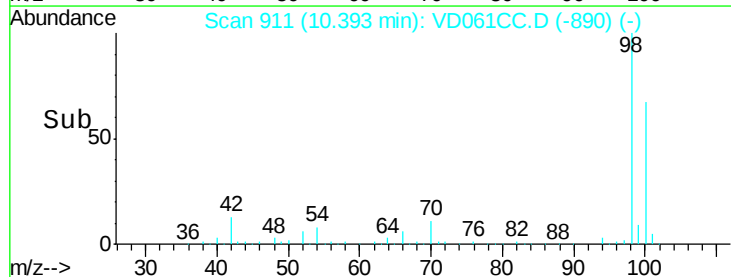
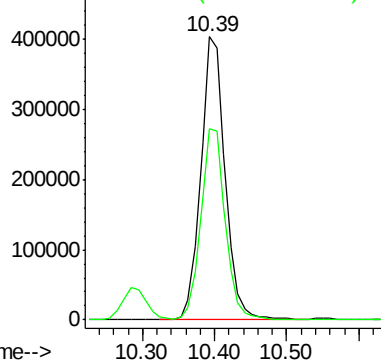


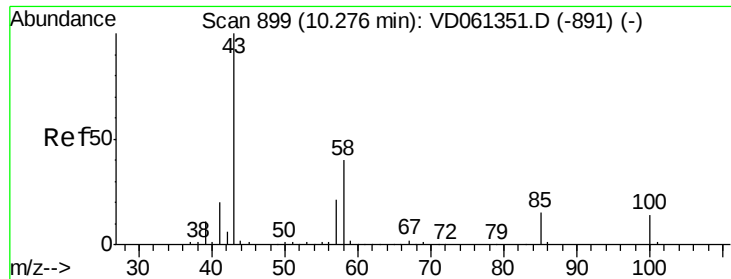
#50
Toluene-d8
Concen: 1169.286 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion: 98 Resp: 943916
Ion Ratio Lower Upper
98 100
100 67.4 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 288.882 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

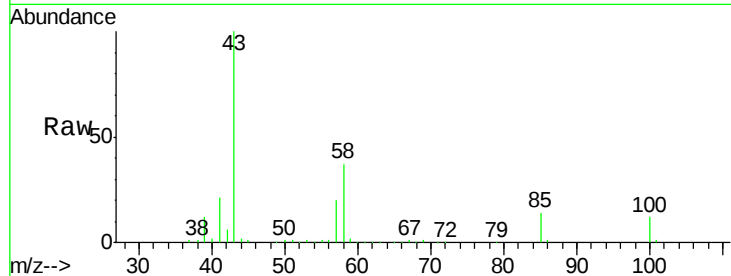
ClientSampleID :

Tot Ion: 43 Resp: 874230

Ion Ratio Lower Upper

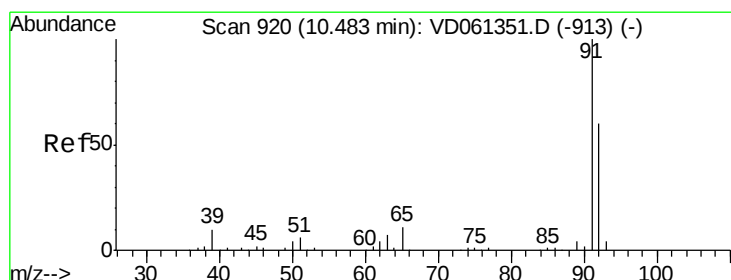
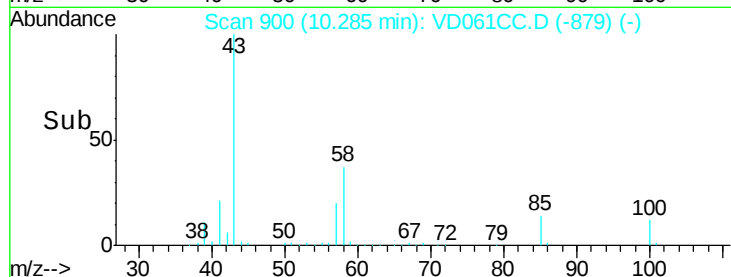
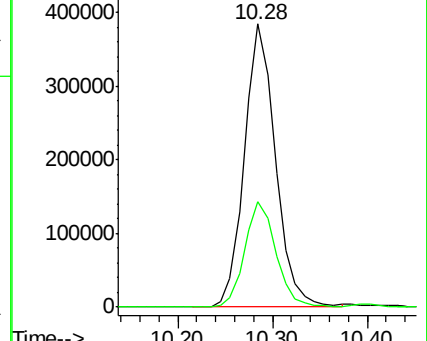
43 100

58 37.1 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.316 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061CC.D

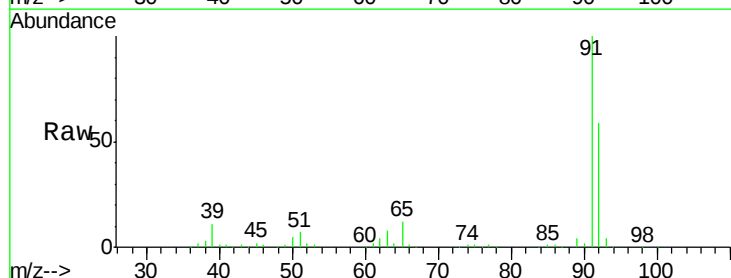
Acq: 2 Apr 2019 1:40

Tgt Ion: 92 Resp: 640316

Ion Ratio Lower Upper

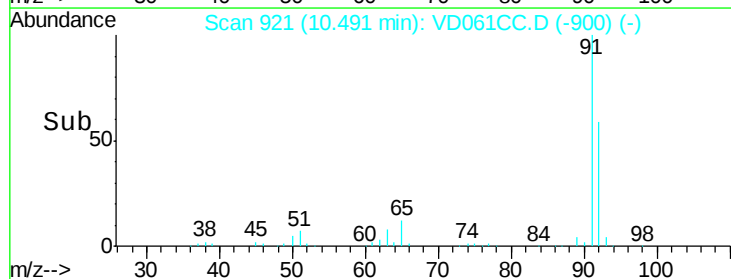
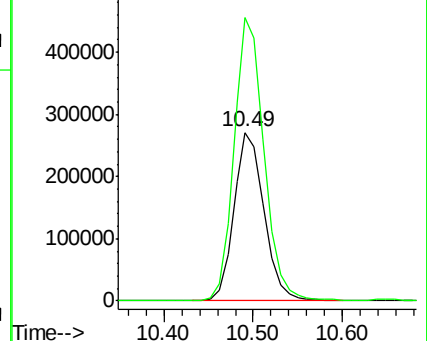
92 100

91 168.2 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

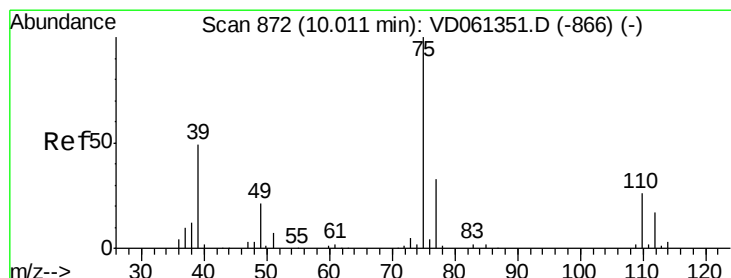
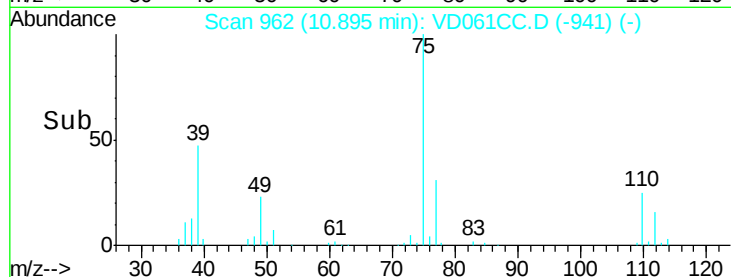
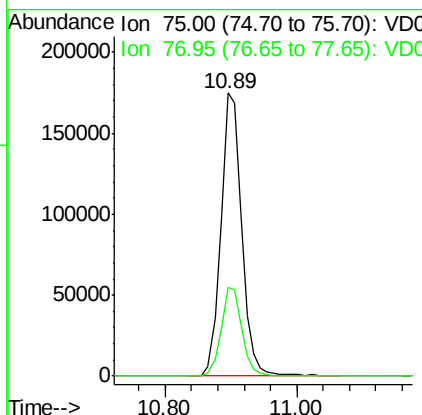
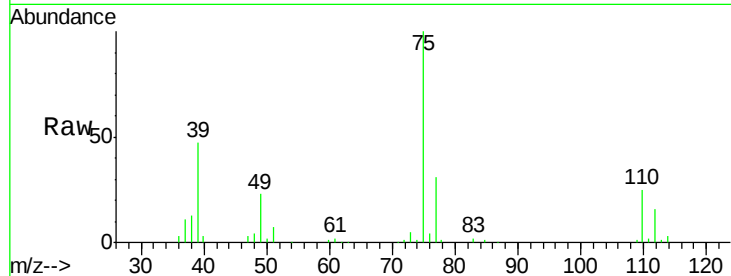




#53
 t-1,3-Dichloropropene
 Concen: 55.256 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

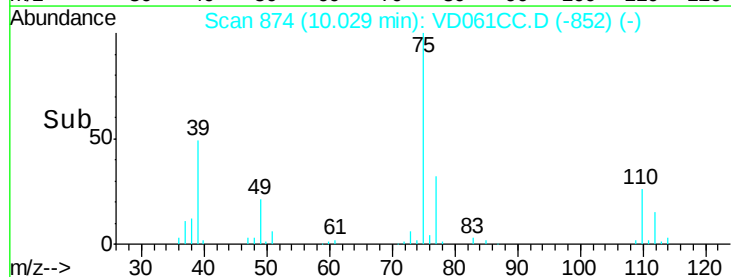
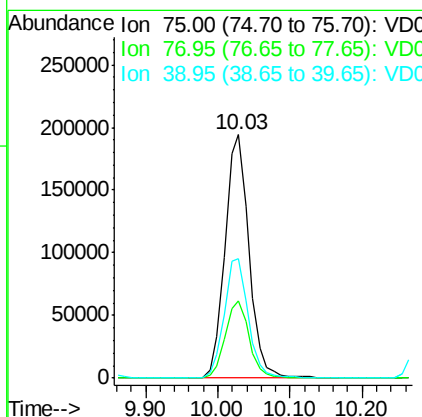
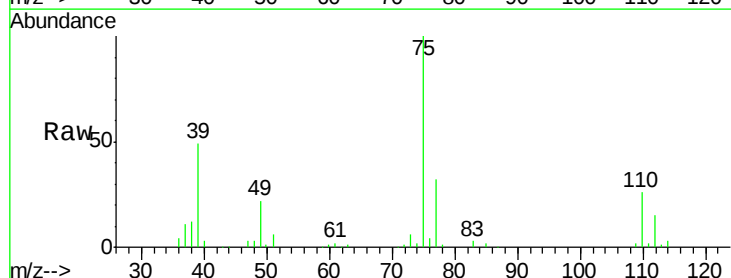
Instrument :
 MSVOA_D
 ClientSampleId :

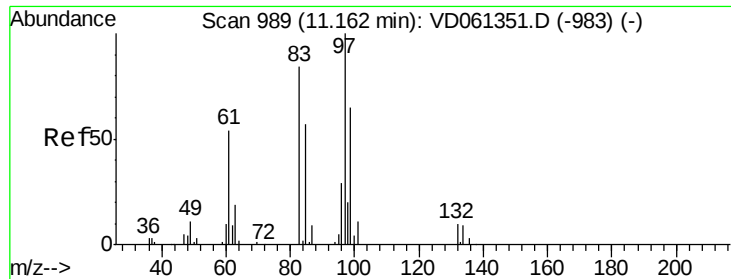
Tot Ion: 75 Resp: 385815
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 52.687 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. 0.02 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion: 75 Resp: 447947
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.4
 39 49.1 39.4 59.0

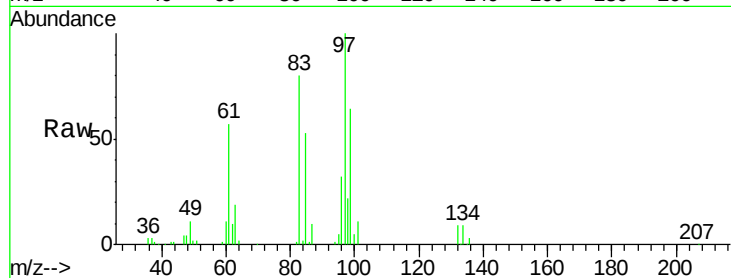




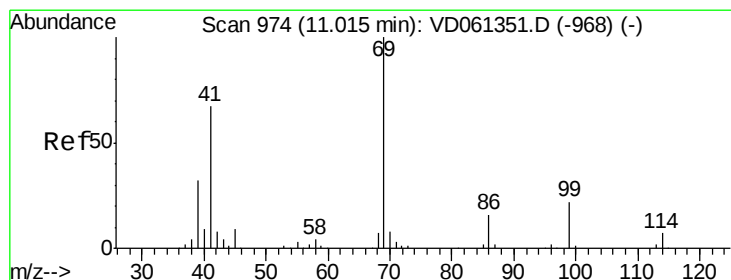
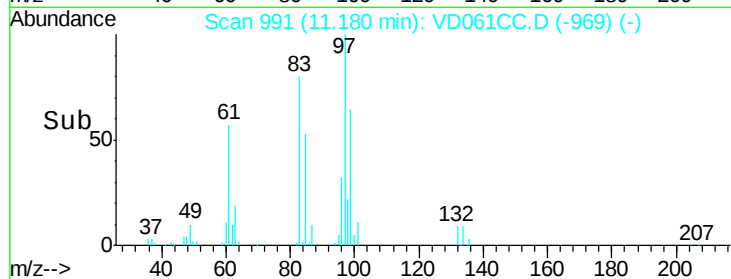
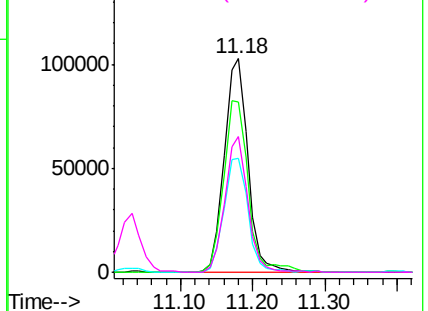
#55
 1,1,2-Trichloroethane
 Concen: 54.683 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 234065
 Ion Ratio Lower Upper
 97 100
 83 79.7 67.0 100.6
 85 53.5 45.4 68.2
 99 63.6 51.9 77.9

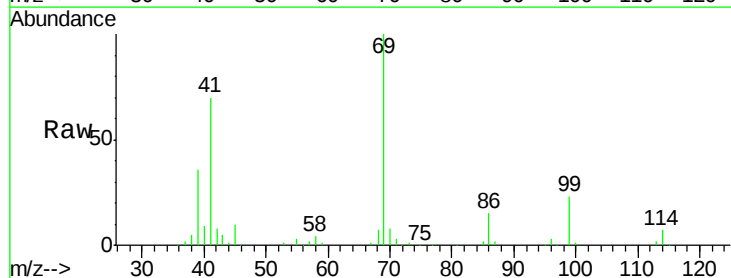


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

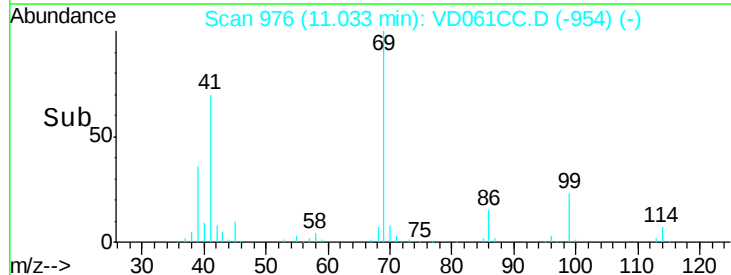
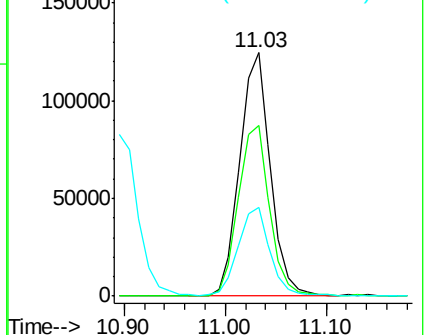


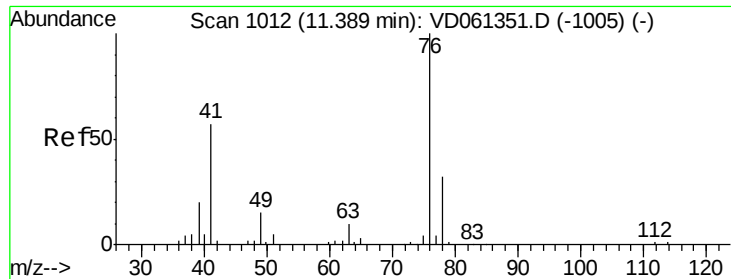
#56
 Ethyl methacrylate
 Concen: 57.478 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.02 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion: 69 Resp: 264300
 Ion Ratio Lower Upper
 69 100
 41 69.9 53.8 80.6
 39 36.4 26.4 39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

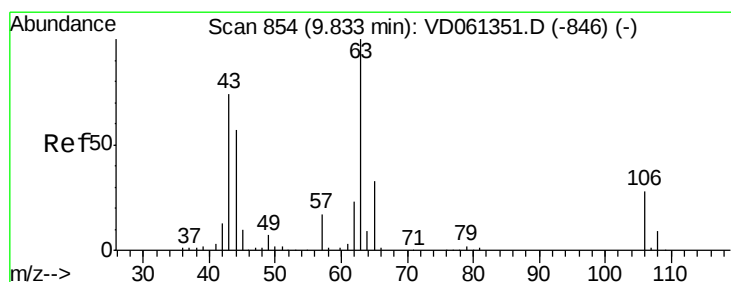
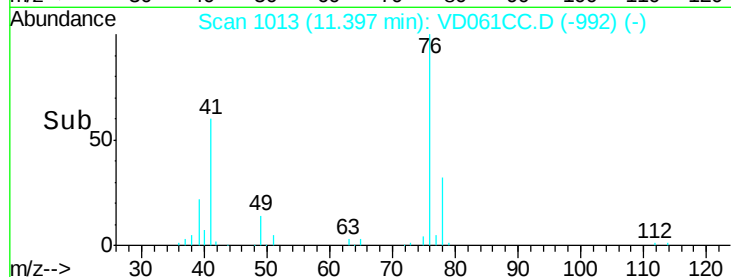
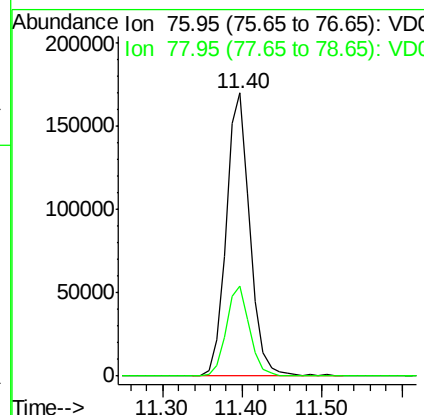
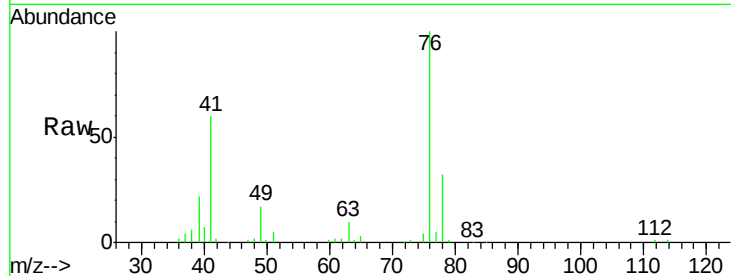




#57
 1,3-Dichloropropane
 Concen: 56.299 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

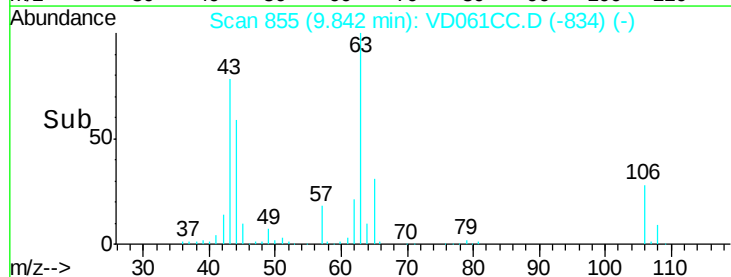
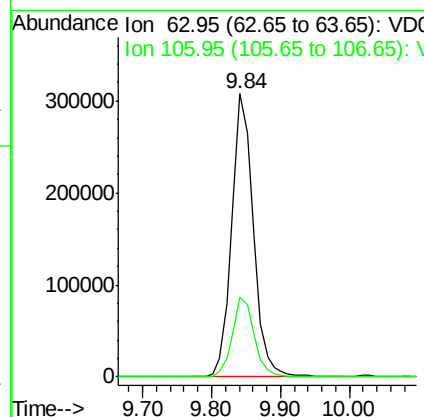
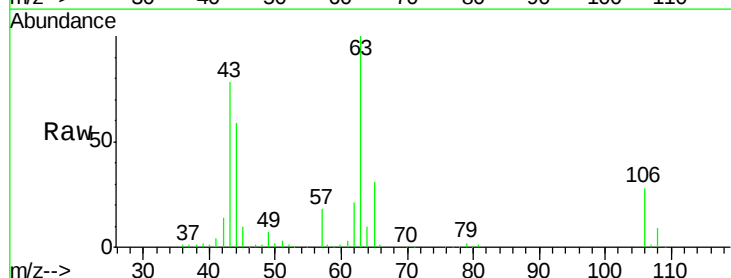
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 354195
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 300.274 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion: 63 Resp: 672413
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.4 33.6

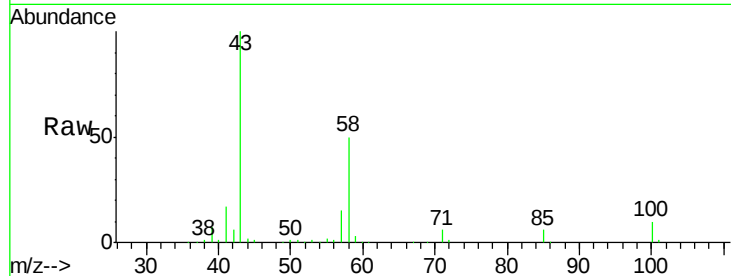




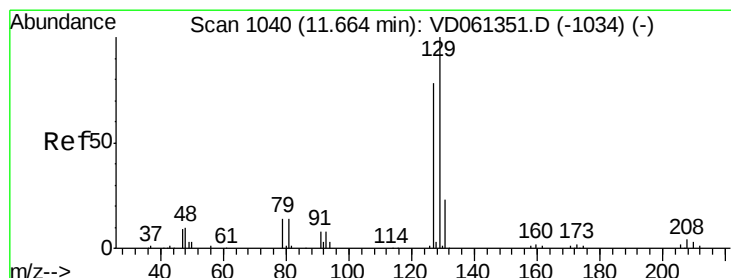
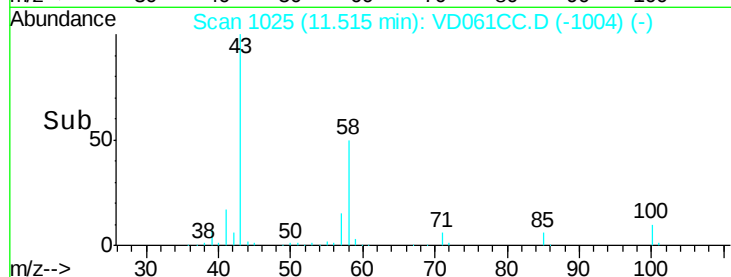
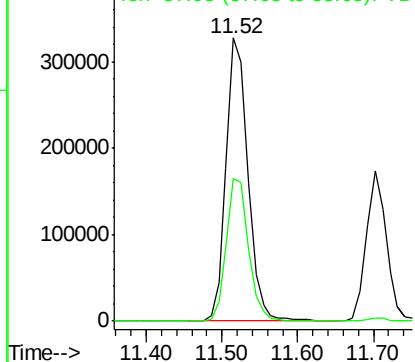
#59
2-Hexanone
Concen: 299.095 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 655798
Ion Ratio Lower Upper
43 100
58 50.2 26.3 78.9

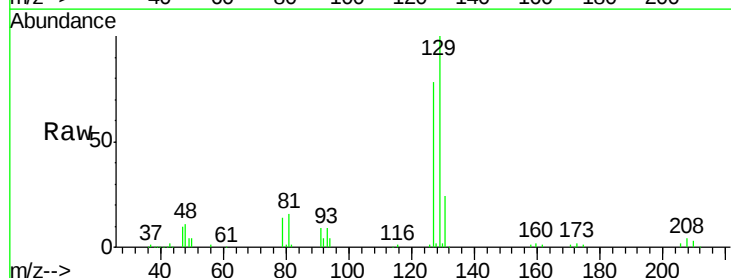


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

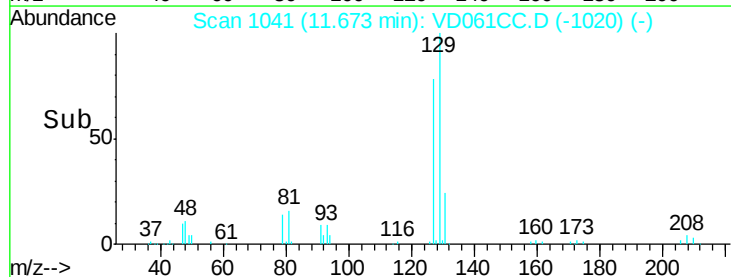
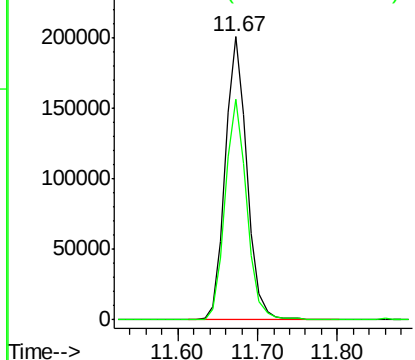


#60
Dibromochloromethane
Concen: 58.612 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion: 129 Resp: 386762
Ion Ratio Lower Upper
129 100
127 77.8 39.0 116.9



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

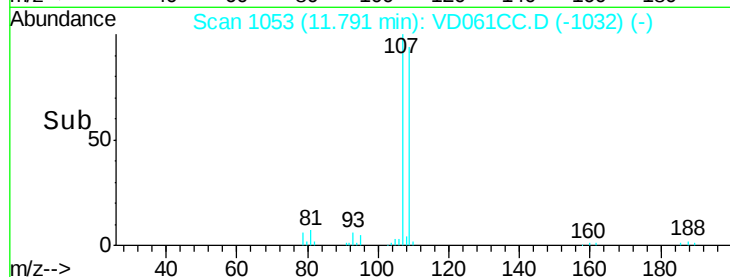
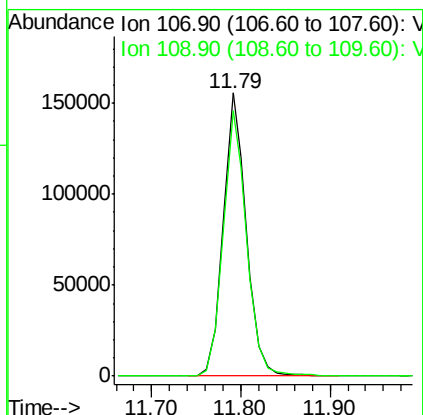
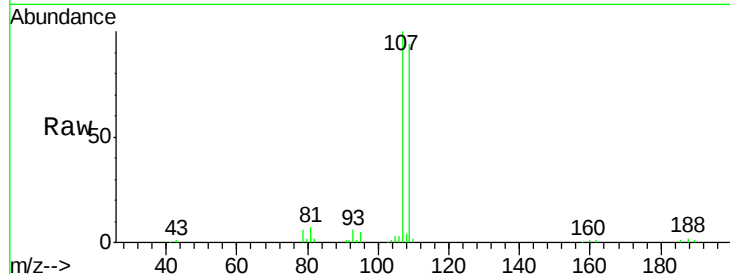




#61
 1,2-Dibromoethane
 Concen: 57.237 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

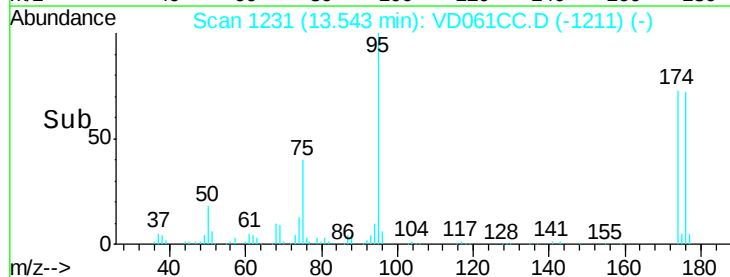
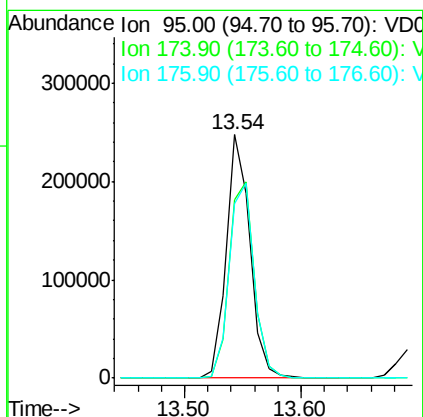
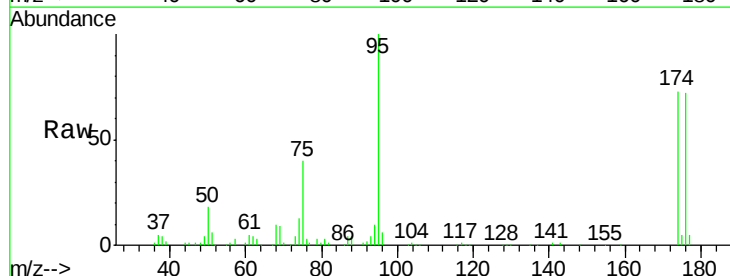
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 107 Resp: 283690
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 57.237 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion: 95 Resp: 347242
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 178.0
 176 71.8 0.0 175.0

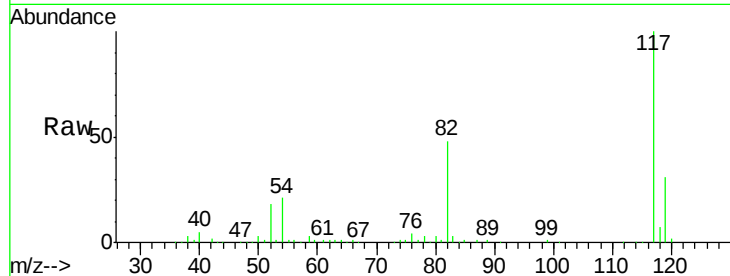




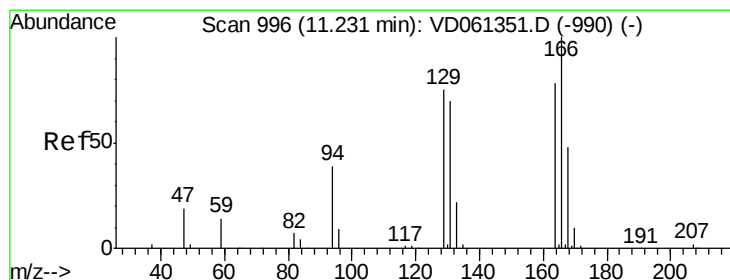
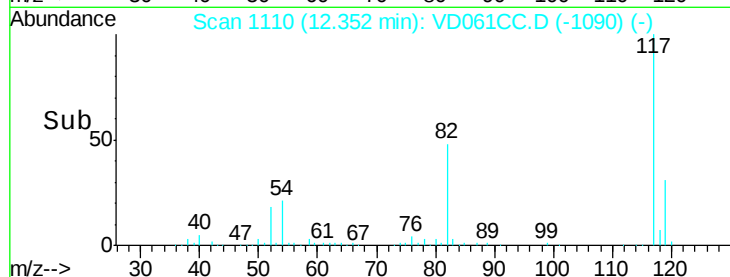
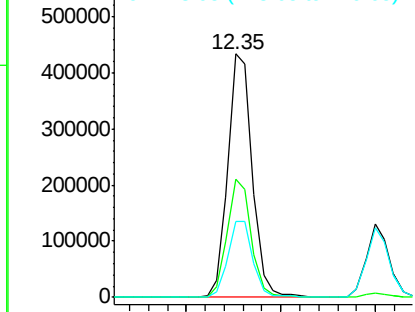
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 773873
Ion Ratio Lower Upper
117 100
82 48.3 34.4 51.6
119 31.4 25.8 38.6

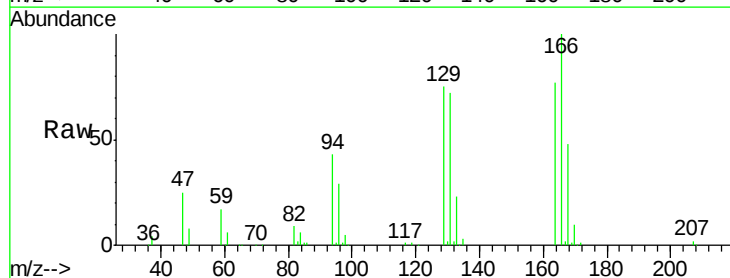


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

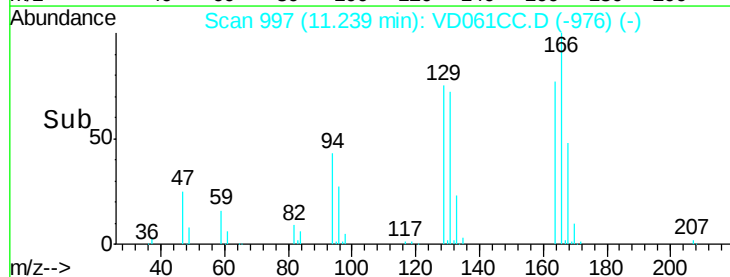
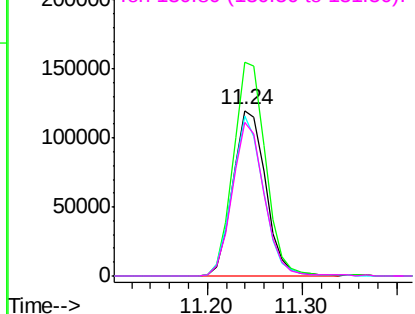


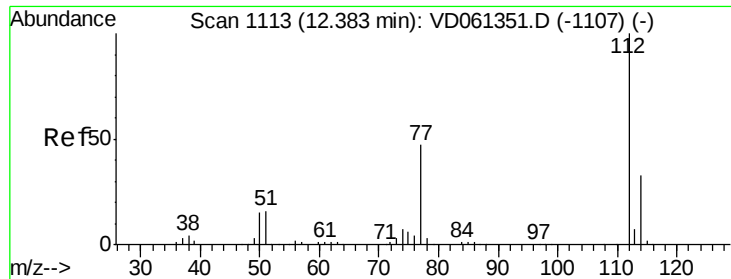
#64
Tetrachloroethene
Concen: 47.354 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion:164 Resp: 287603
Ion Ratio Lower Upper
164 100
166 129.2 102.4 153.6
129 96.6 76.8 115.2
131 92.6 71.8 107.6



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

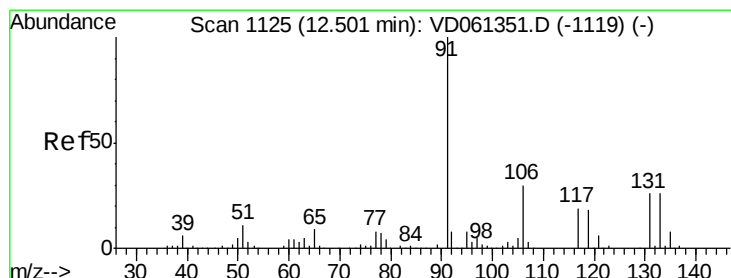
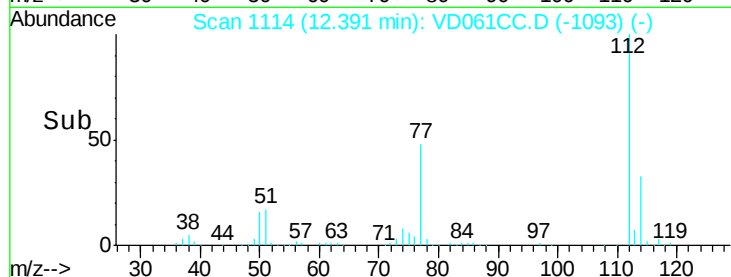
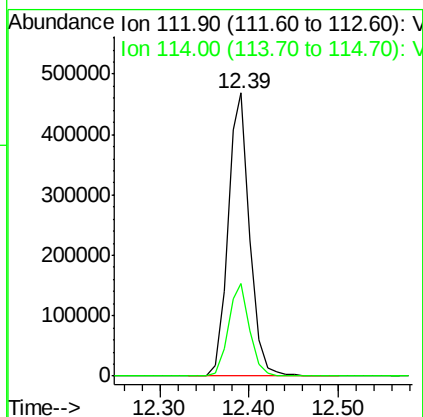
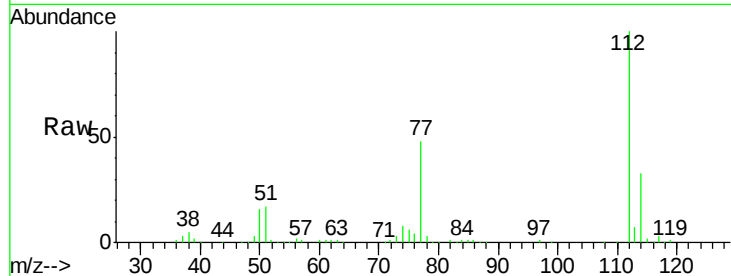




#65
Chlorobenzene
Concen: 50.542 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

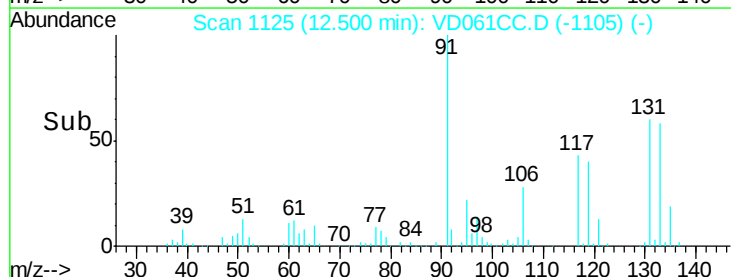
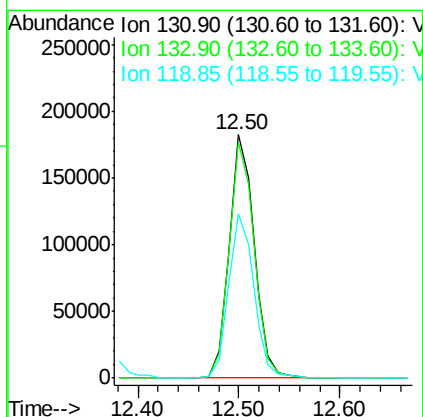
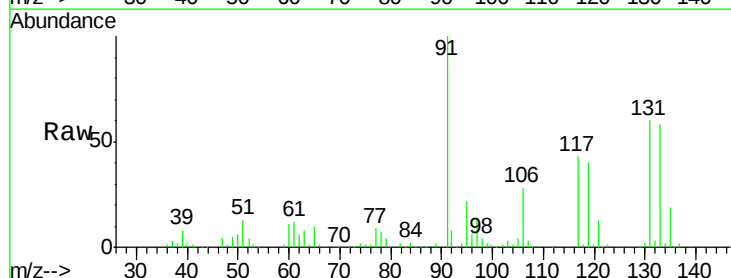
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 799344
Ion Ratio Lower Upper
112 100
114 32.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.087 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion:131 Resp: 312835
Ion Ratio Lower Upper
131 100
133 97.0 49.4 148.2
119 67.4 34.1 102.2

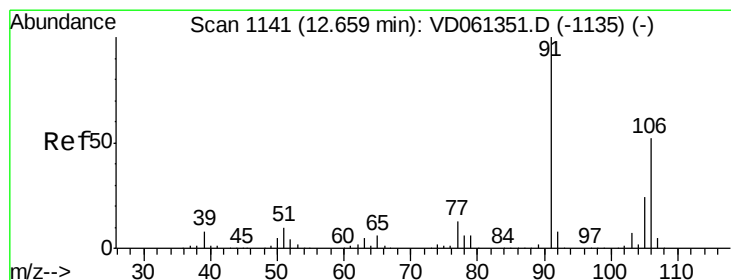
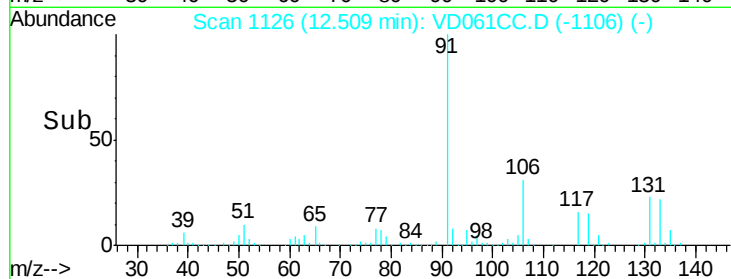
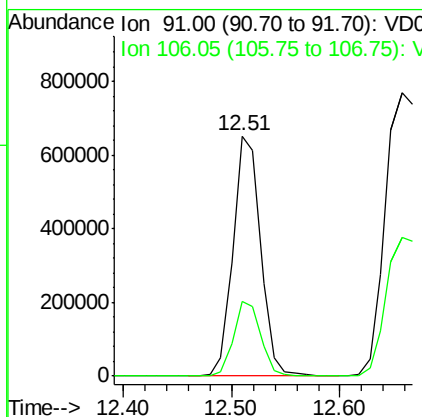
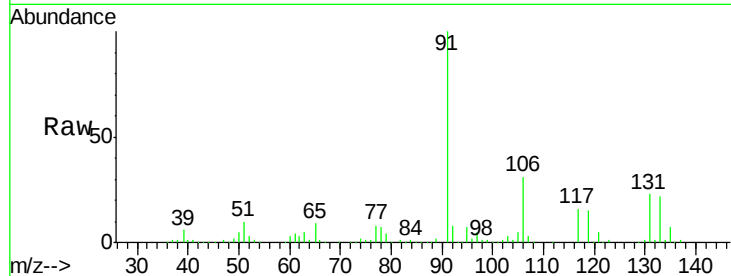




#67
Ethyl Benzene
Concen: 47.778 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

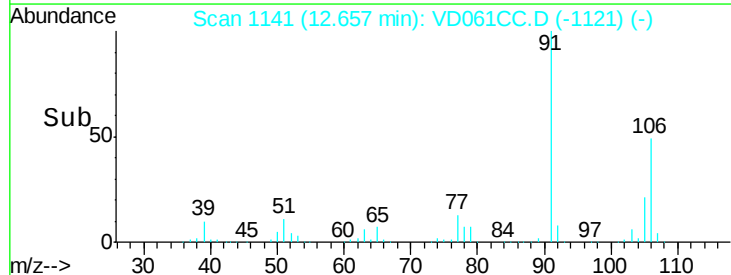
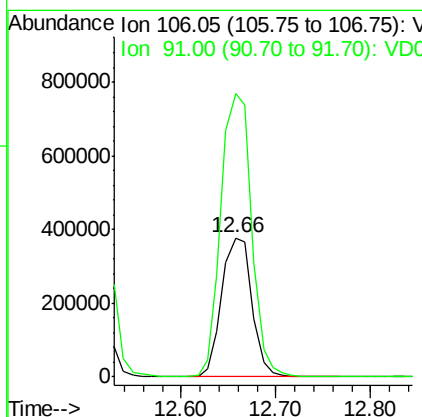
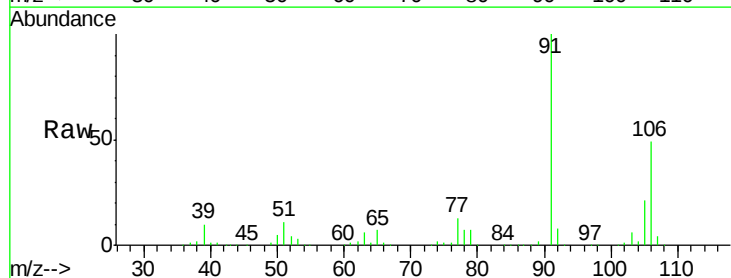
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1153356
Ion Ratio Lower Upper
91 100
106 31.0 26.1 39.1



#68
m/p-Xylenes
Concen: 91.861 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion:106 Resp: 840013
Ion Ratio Lower Upper
106 100
91 203.3 153.1 229.7

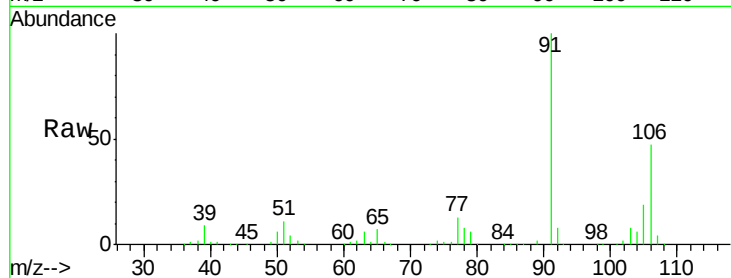




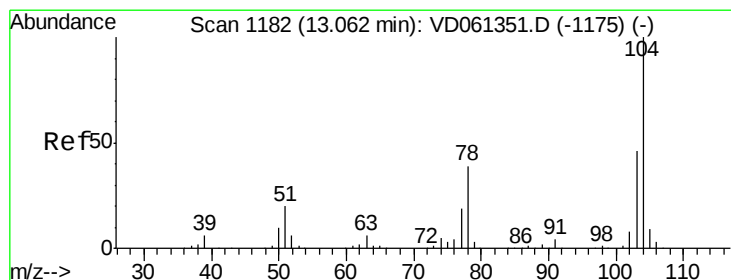
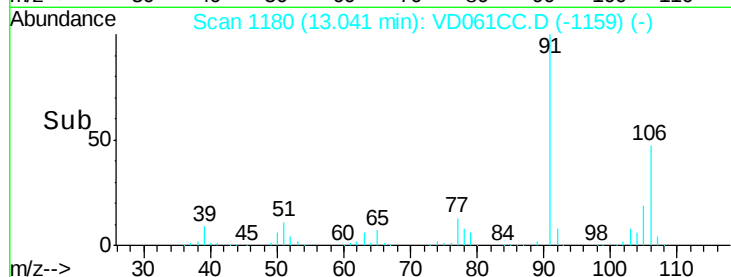
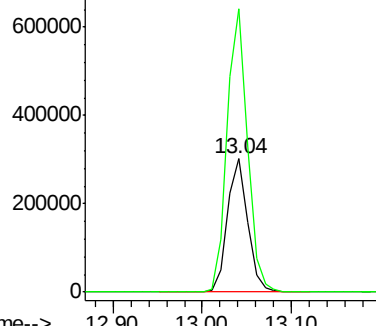
#69
o-Xylene
Concen: 52.976 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 470104
Ion Ratio Lower Upper
106 100
91 211.9 103.8 311.3

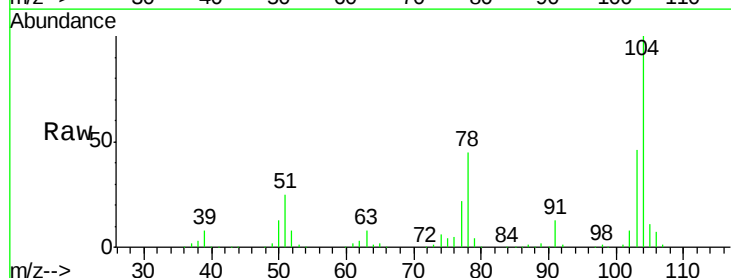


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

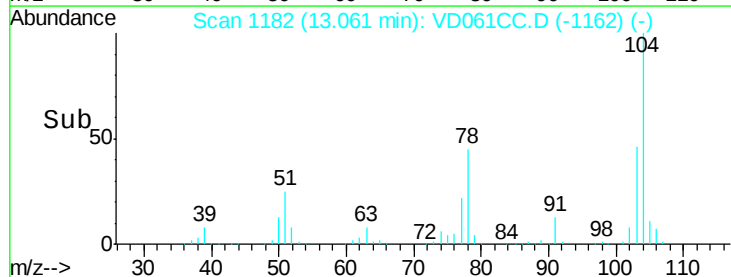
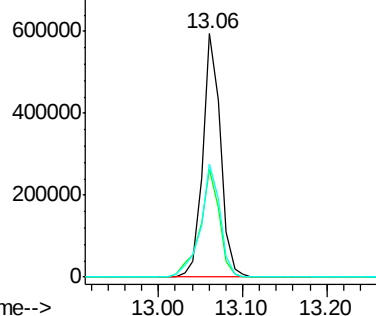


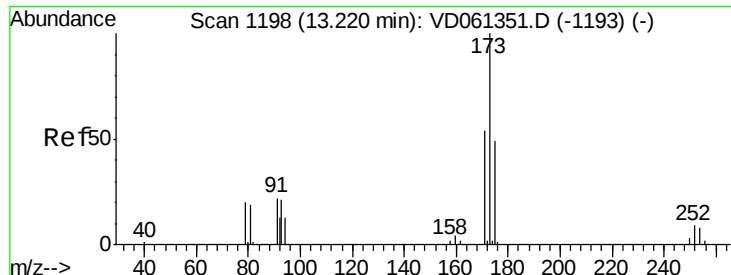
#70
Styrene
Concen: 55.858 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion:104 Resp: 864061
Ion Ratio Lower Upper
104 100
78 44.5 31.0 46.6
103 46.5 37.0 55.4



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

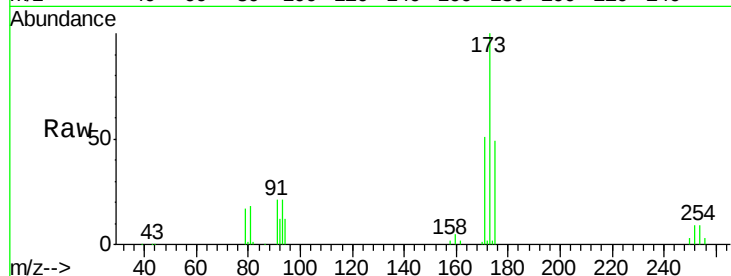




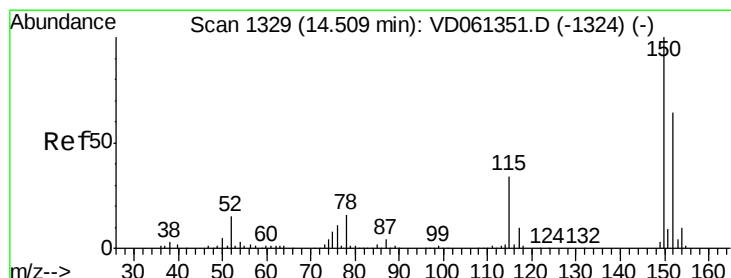
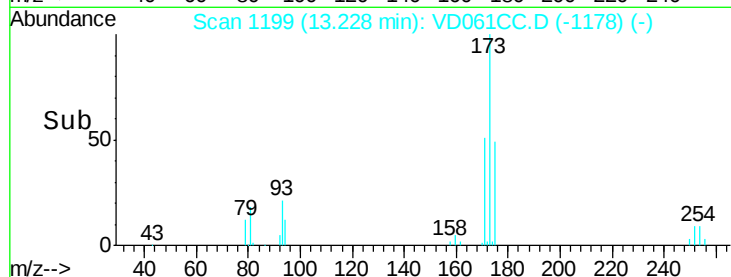
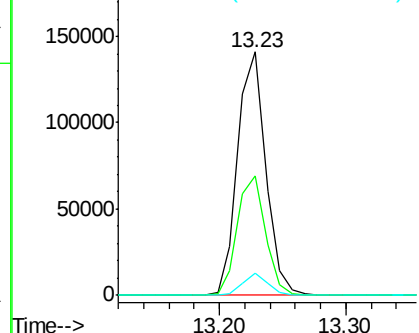
#71
Bromoform
Concen: 55.909 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:173 Resp: 217027
Ion Ratio Lower Upper
173 100
175 48.9 24.6 73.8
254 9.1 6.6 10.0

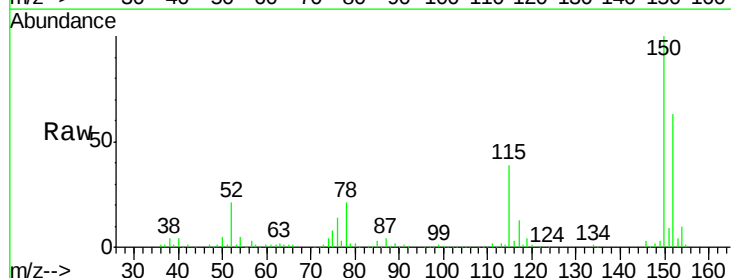


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

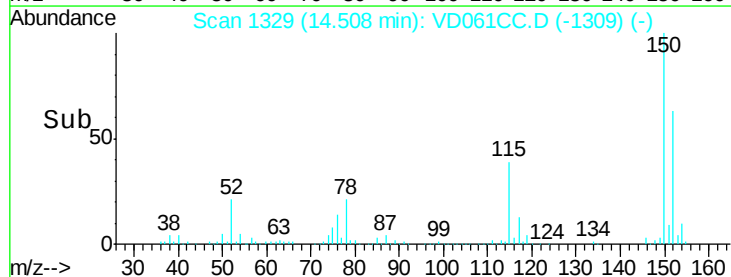
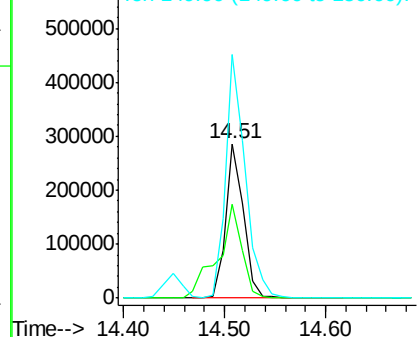


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion:152 Resp: 352255
Ion Ratio Lower Upper
152 100
115 61.2 26.9 80.6
150 158.0 0.0 318.0



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: 49.595 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

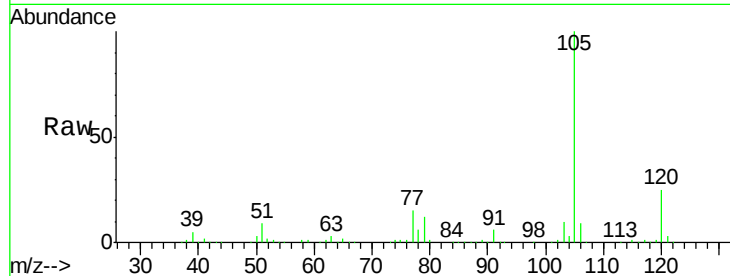
ClientSampleId :

Tot Ion:105 Resp: 1215900

Ion Ratio Lower Upper

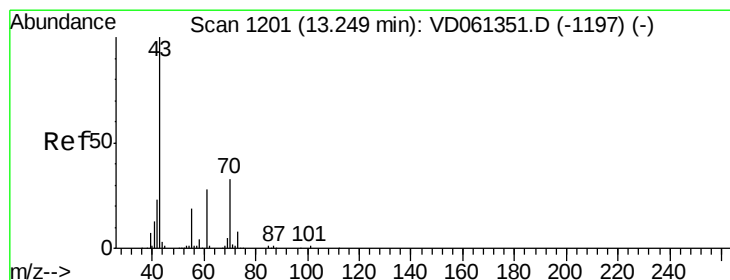
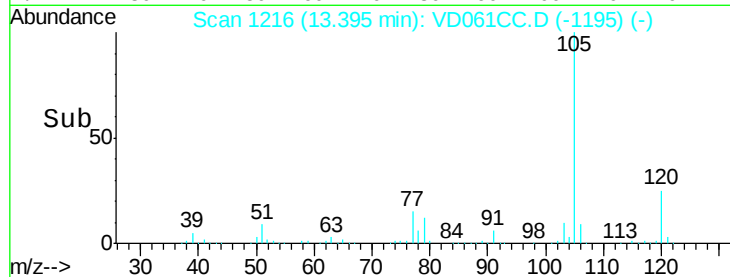
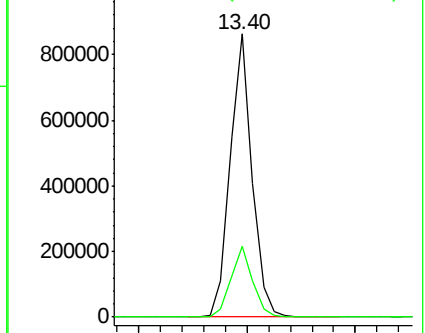
105 100

120 25.0 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.206 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Tgt Ion: 43 Resp: 342885

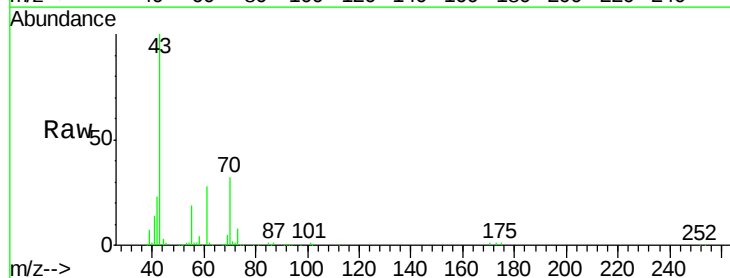
Ion Ratio Lower Upper

43 100

70 31.8 26.6 40.0

55 18.8 15.4 23.2

61 27.8 22.2 33.4

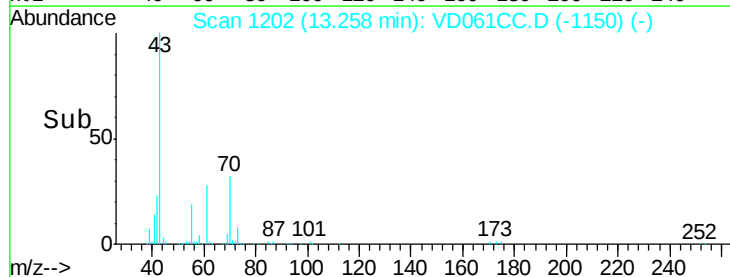
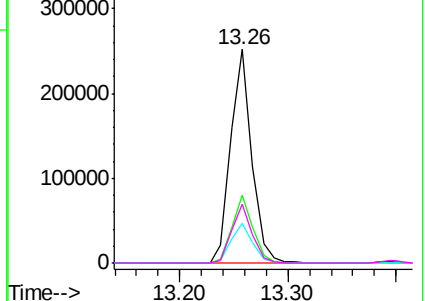


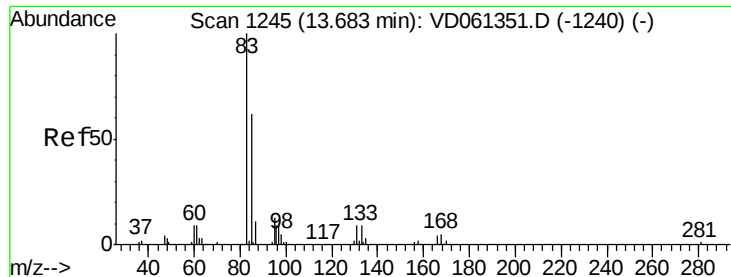
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.325 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleId :

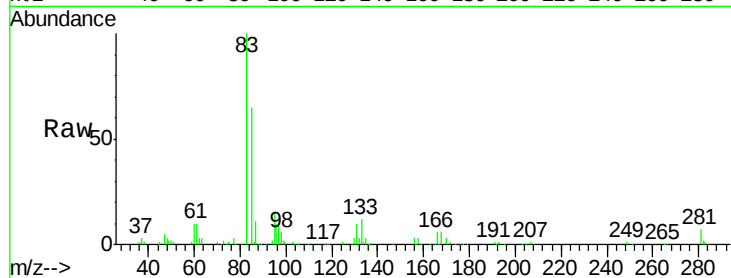
Tot Ion: 83 Resp: 265444

Ion Ratio Lower Upper

83 100

131 10.2 4.3 13.1

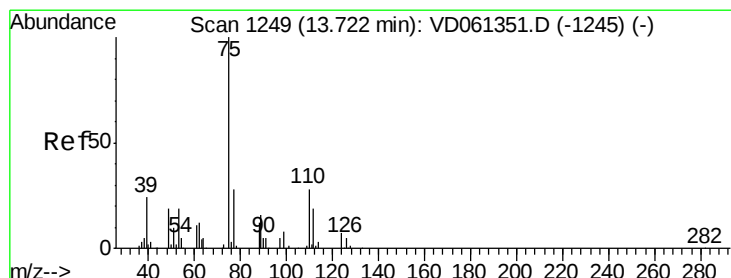
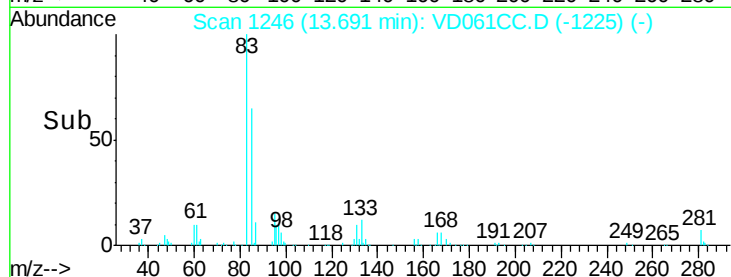
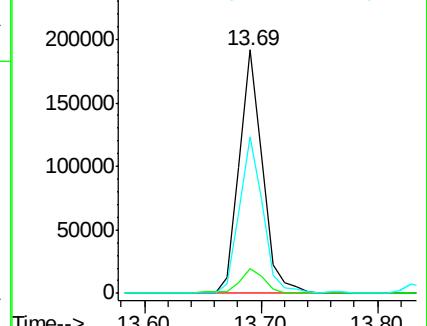
85 64.6 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 56.012 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061CC.D

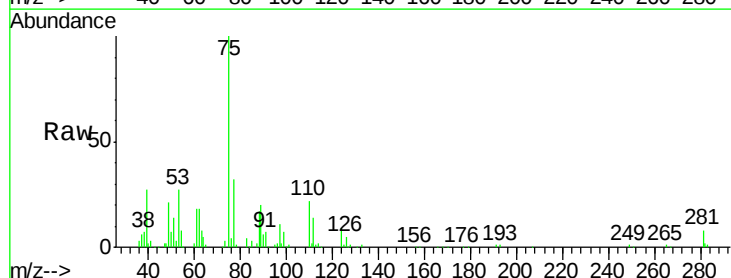
Acq: 2 Apr 2019 1:40

Tgt Ion: 75 Resp: 285010

Ion Ratio Lower Upper

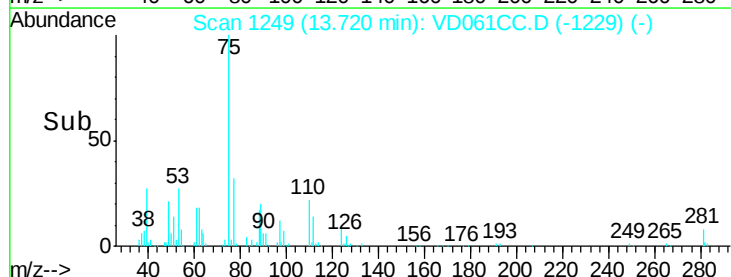
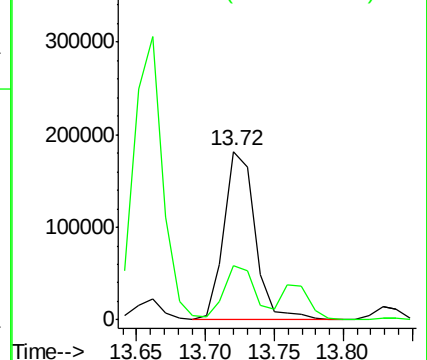
75 100

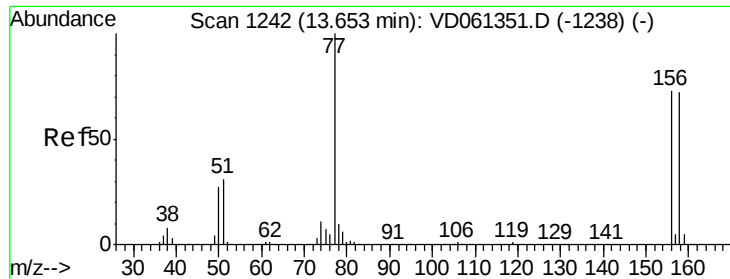
77 32.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.735 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleId :

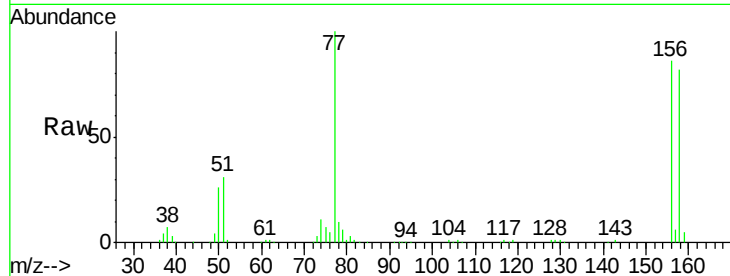
Tot Ion:156 Resp: 354210

Ion Ratio Lower Upper

156 100

77 116.7 68.5 205.6

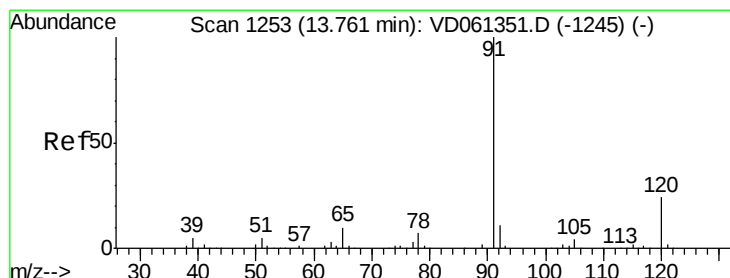
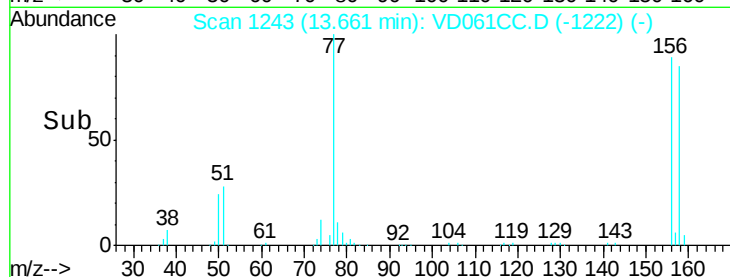
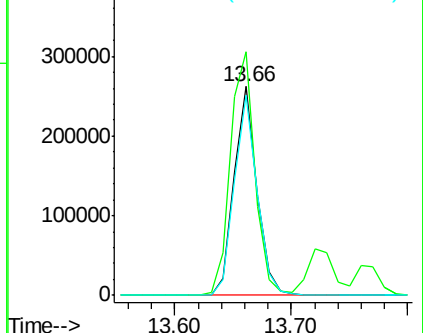
158 95.8 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.589 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061CC.D

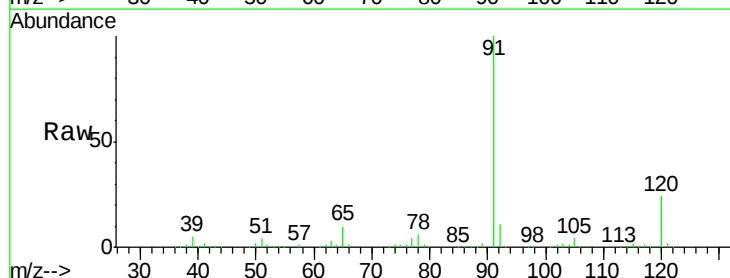
Acq: 2 Apr 2019 1:40

Tgt Ion: 91 Resp: 1517790

Ion Ratio Lower Upper

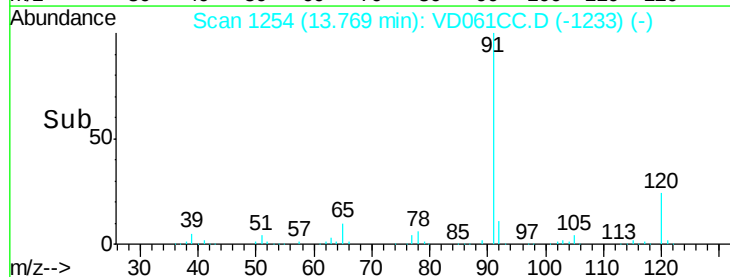
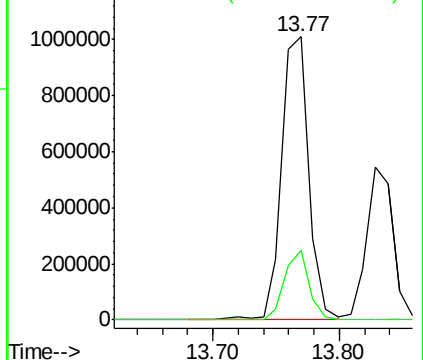
91 100

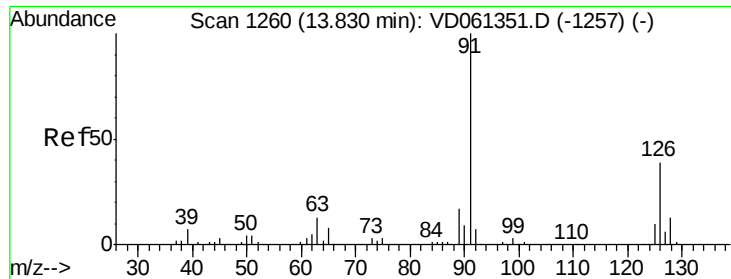
120 24.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

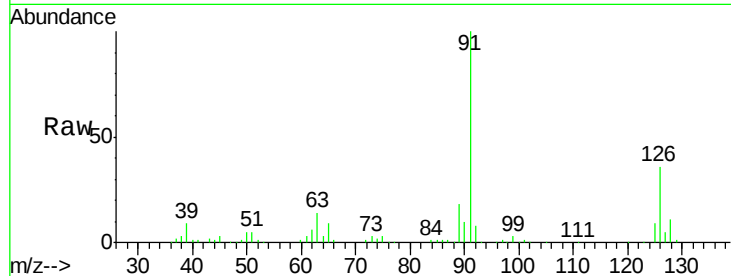




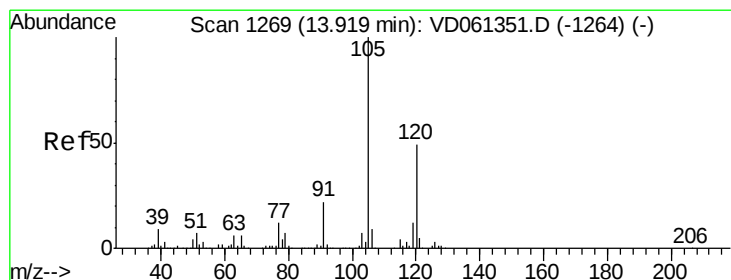
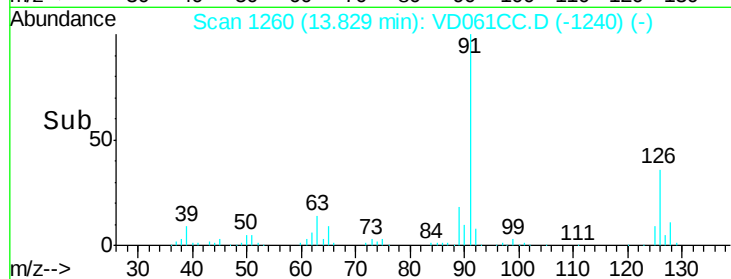
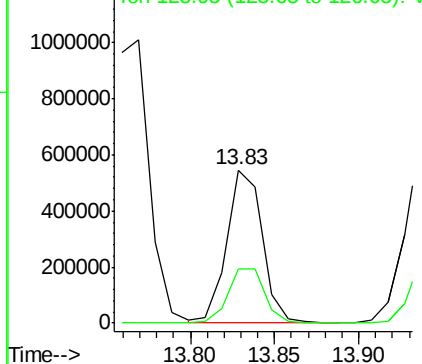
#79
2-Chlorotoluene
Concen: 48.856 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 795902
Ion Ratio Lower Upper
91 100
126 35.7 19.4 58.2

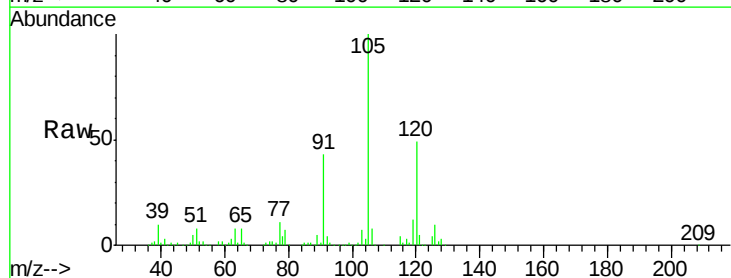


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

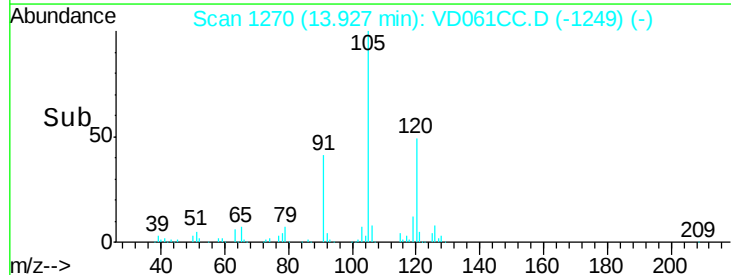
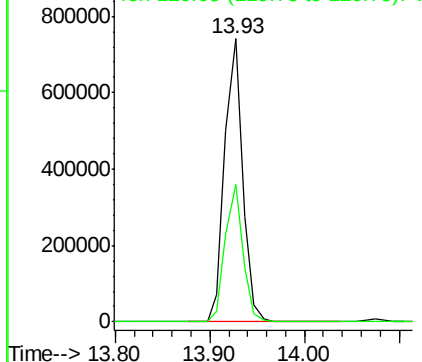


#80
1,3,5-Trimethylbenzene
Concen: 51.226 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion: 105 Resp: 974424
Ion Ratio Lower Upper
105 100
120 48.6 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.823 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampled :

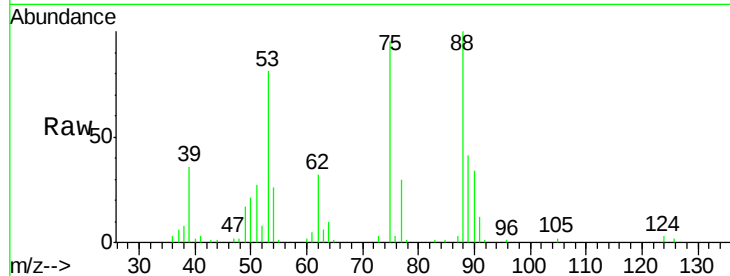
Tot Ion: 75 Resp: 83504

Ion Ratio Lower Upper

75 100

53 85.5 63.8 95.8

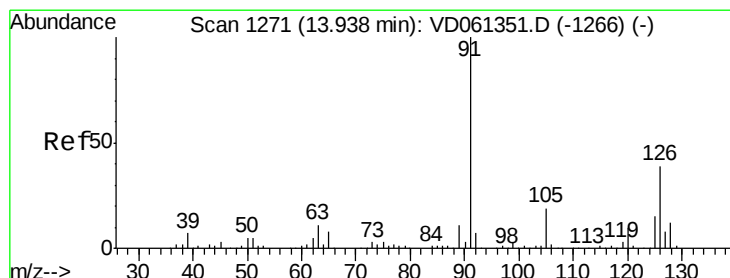
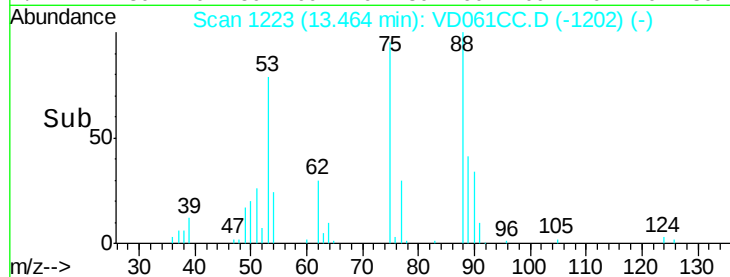
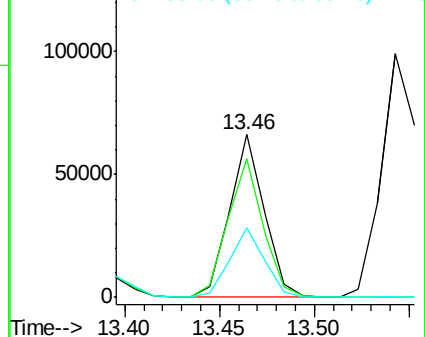
89 42.8 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 52.403 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061CC.D

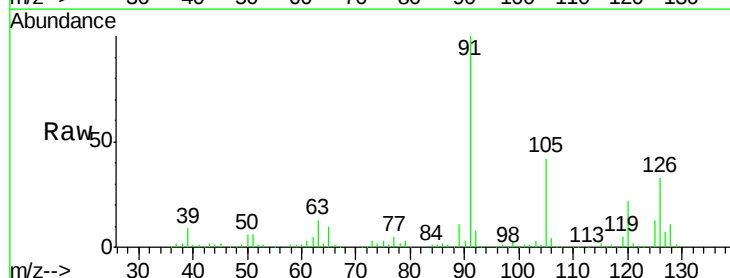
Acq: 2 Apr 2019 1:40

Tgt Ion: 91 Resp: 928234

Ion Ratio Lower Upper

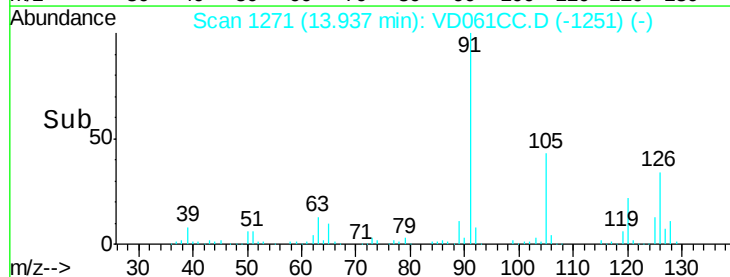
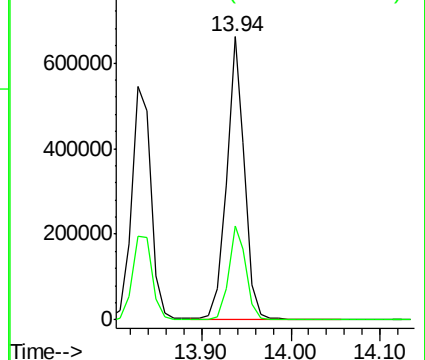
91 100

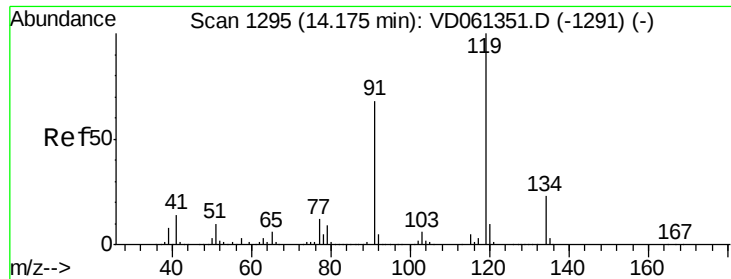
126 33.4 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 49.445 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleId :

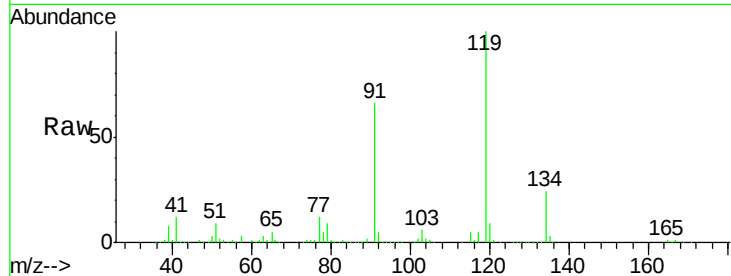
Tot Ion:119 Resp: 1175436

Ion Ratio Lower Upper

119 100

91 66.5 34.1 102.3

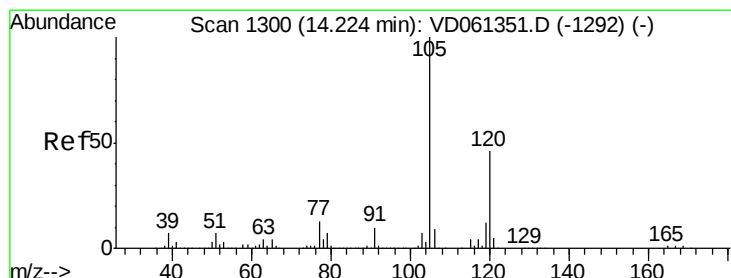
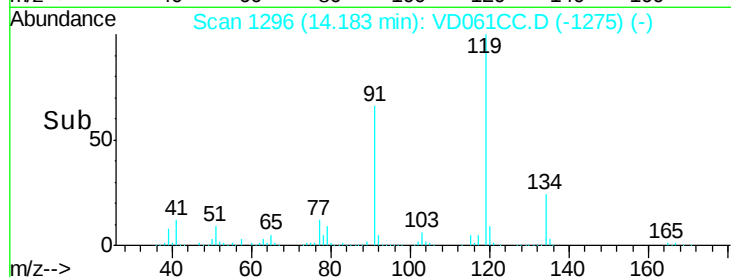
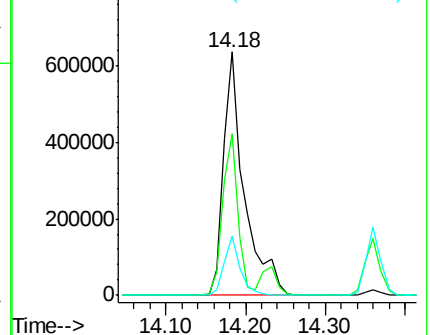
134 24.1 11.6 34.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.962 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD061CC.D

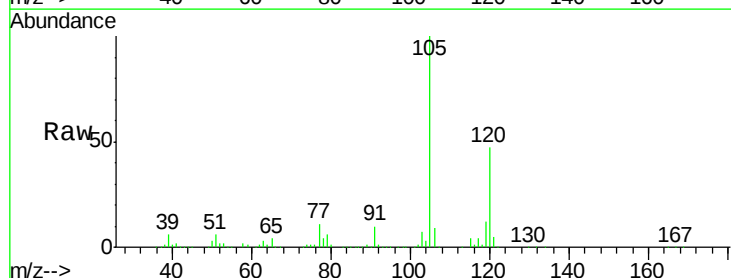
Acq: 2 Apr 2019 1:40

Tgt Ion:105 Resp: 1028913

Ion Ratio Lower Upper

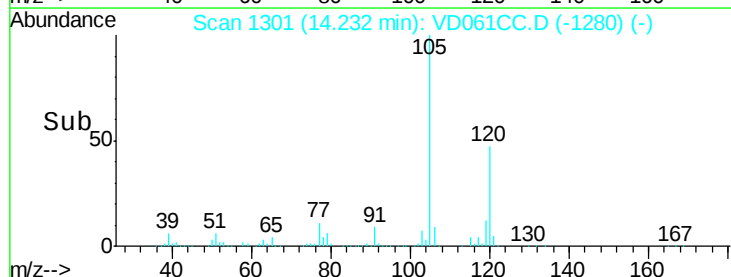
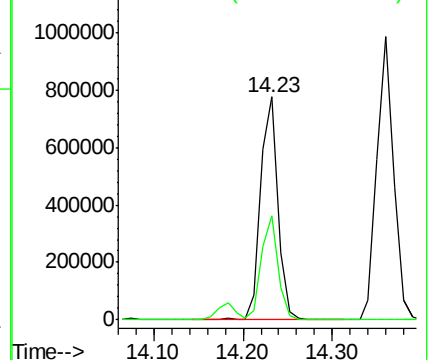
105 100

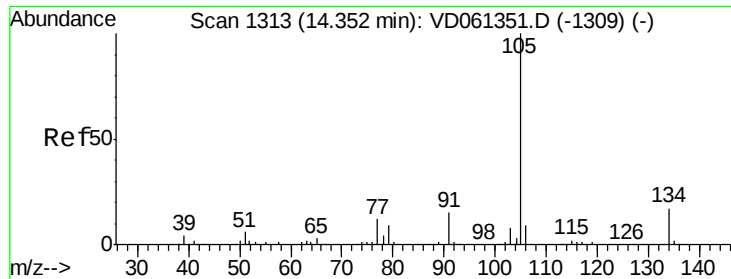
120 46.8 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.401 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

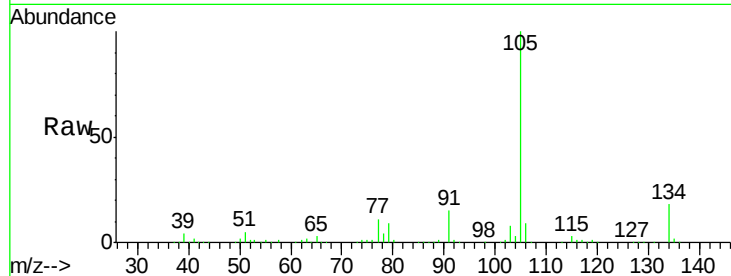
ClientSampleId :

Tot Ion:105 Resp: 1272842

Ion Ratio Lower Upper

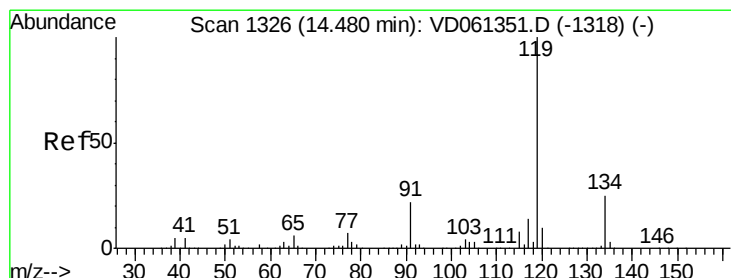
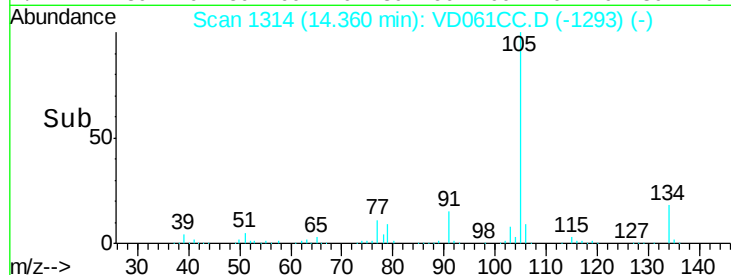
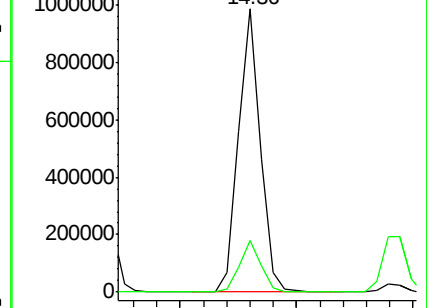
105 100

134 18.2 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.991 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

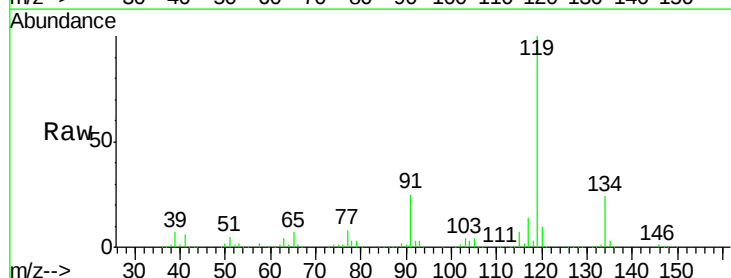
Tgt Ion:119 Resp: 1131625

Ion Ratio Lower Upper

119 100

134 24.2 12.3 36.8

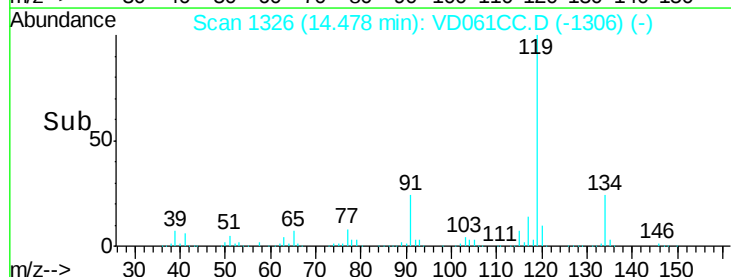
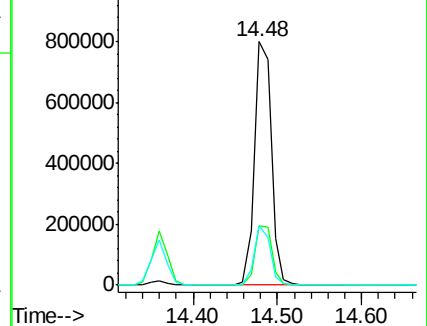
91 24.6 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

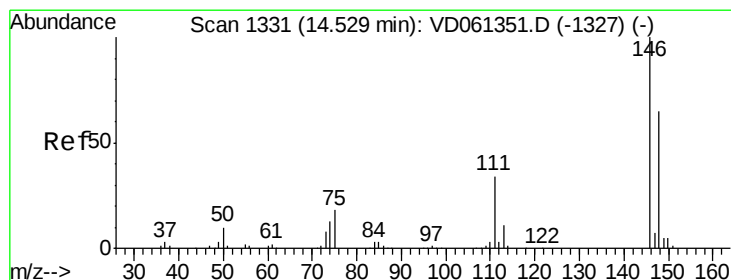
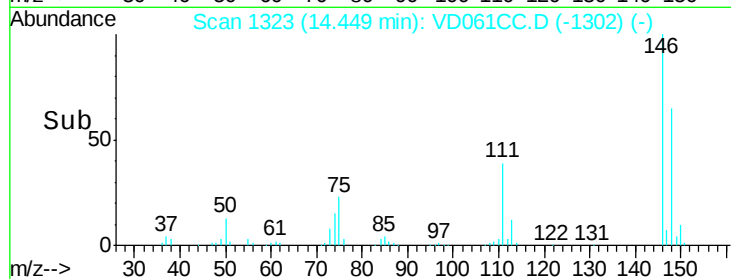
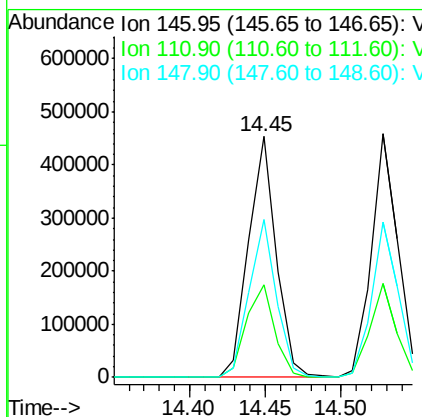
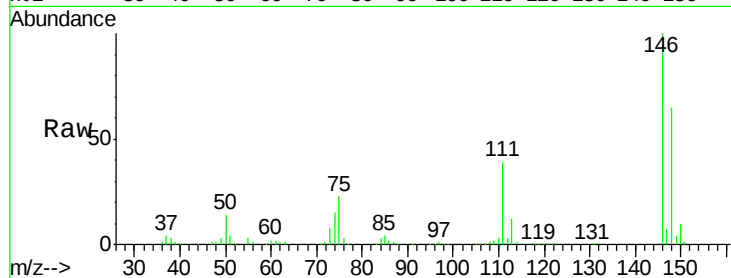




#87
 1,3-Dichlorobenzene
 Concen: 46.971 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

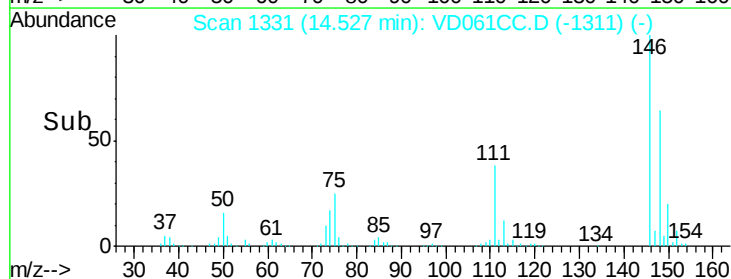
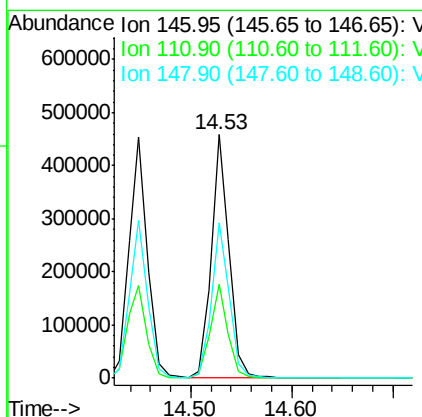
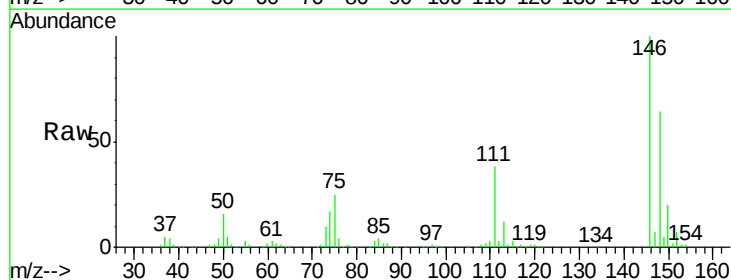
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 578116
 Ion Ratio Lower Upper
 146 100
 111 38.6 20.6 61.9
 148 65.4 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 47.156 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion:146 Resp: 565989
 Ion Ratio Lower Upper
 146 100
 111 38.5 16.8 50.4
 148 63.8 32.6 98.0





#89

n-Butylbenzene

Concen: 50.197 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampleID :

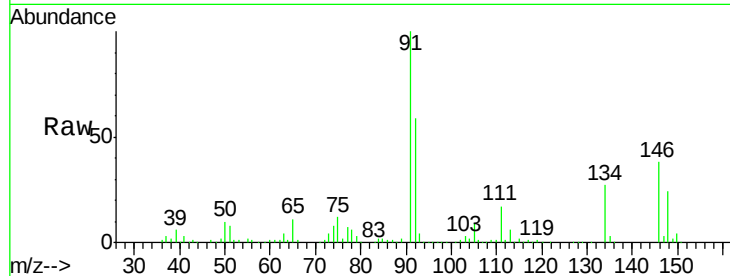
Tot Ion: 91 Resp: 983879

Ion Ratio Lower Upper

91 100

92 59.1 30.3 91.0

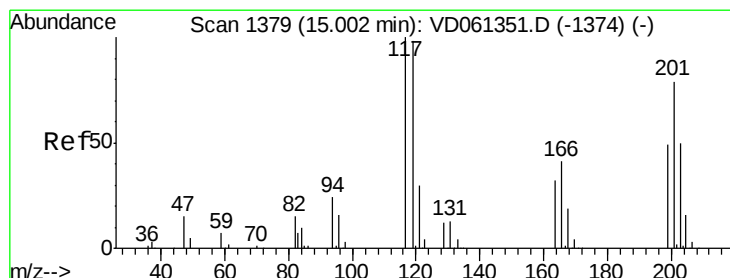
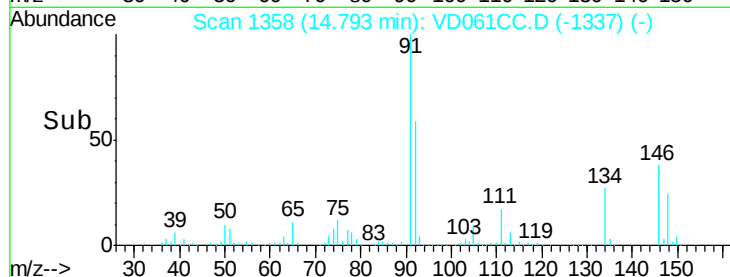
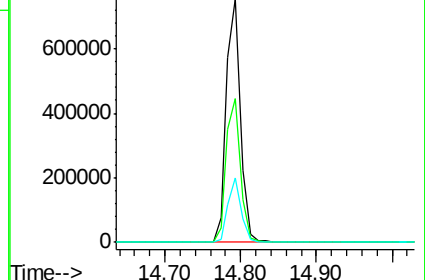
134 26.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 54.148 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061CC.D

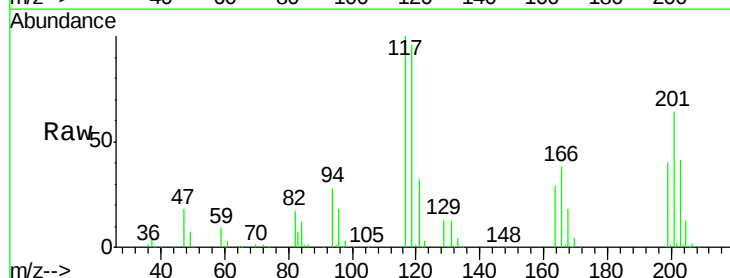
Acq: 2 Apr 2019 1:40

Tgt Ion: 117 Resp: 326674

Ion Ratio Lower Upper

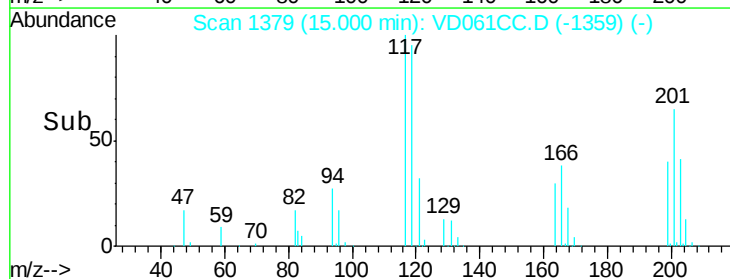
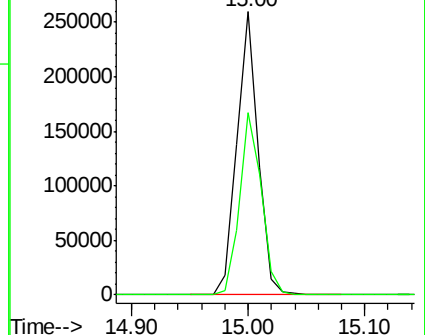
117 100

201 64.2 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 52.234 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

Instrument :

MSVOA_D

ClientSampled :

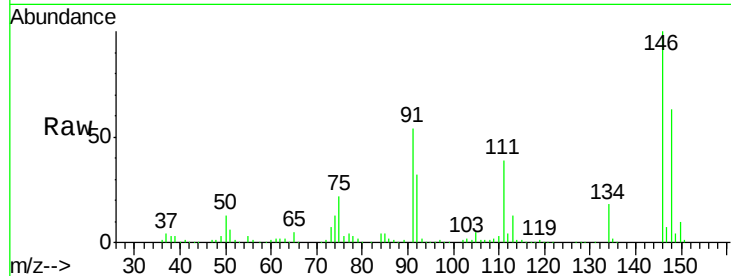
Tot Ion:146 Resp: 527322

Ion Ratio Lower Upper

146 100

111 38.6 21.2 63.6

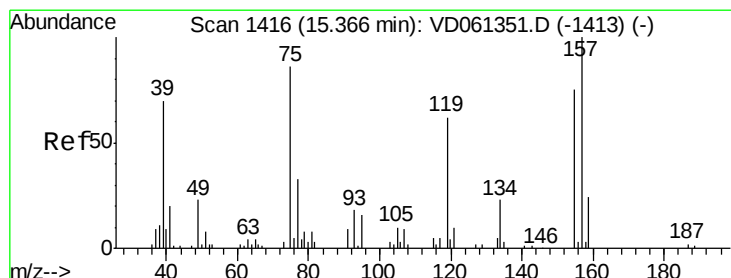
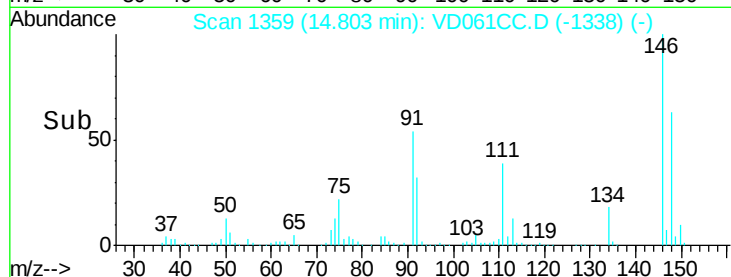
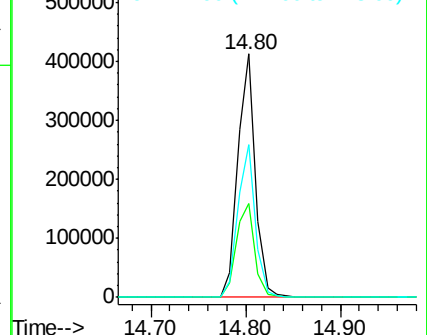
148 62.7 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.625 ug/l

RT: 15.37 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VD061CC.D

Acq: 2 Apr 2019 1:40

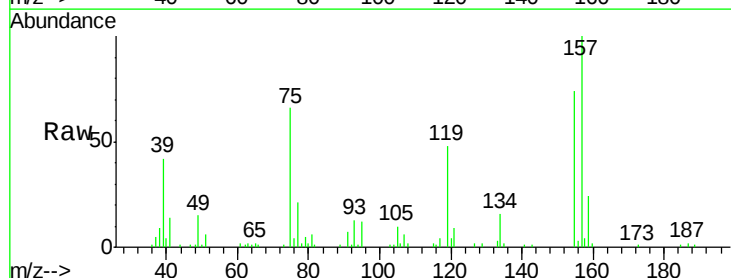
Tgt Ion: 75 Resp: 36167

Ion Ratio Lower Upper

75 100

155 113.0 43.6 130.9

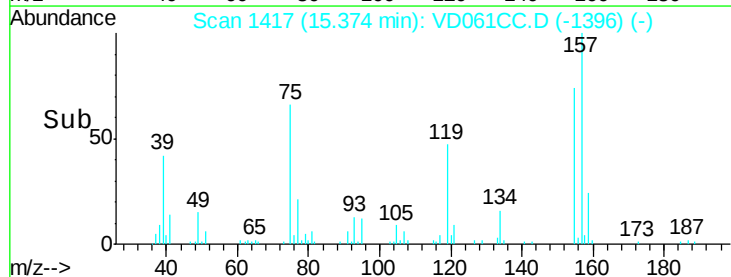
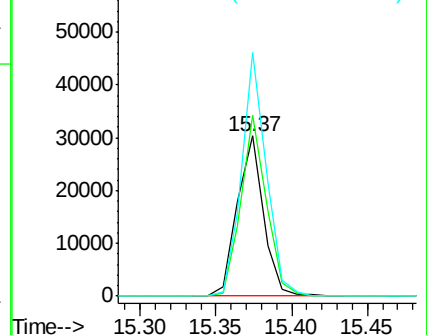
157 152.3 58.5 175.3

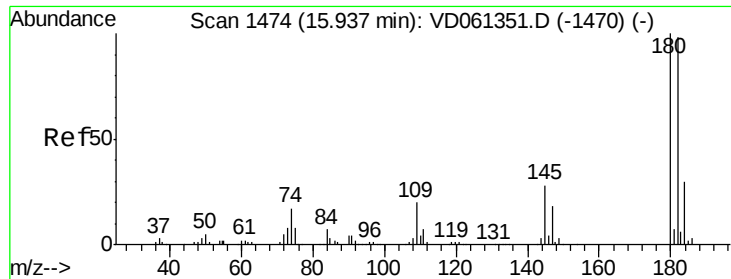


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

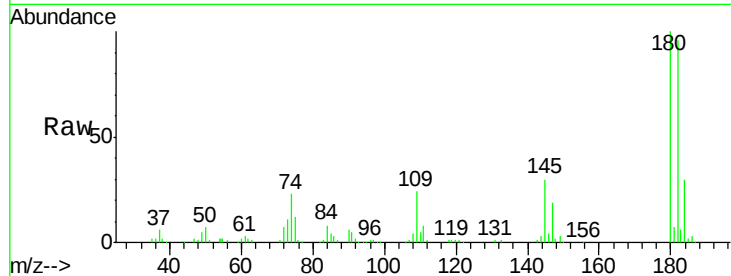




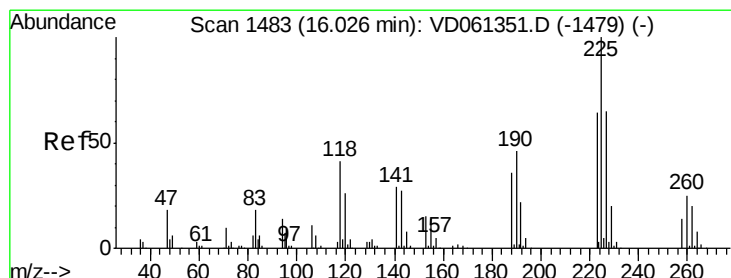
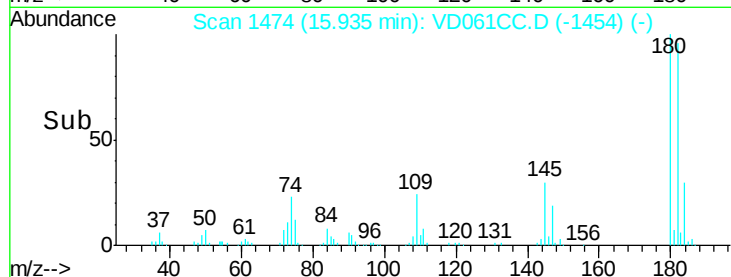
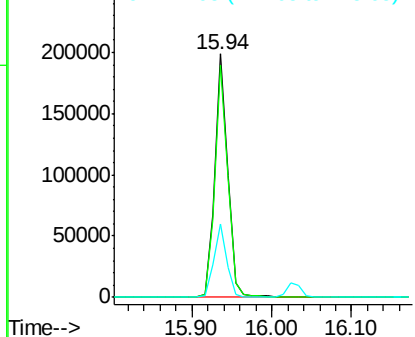
#93
 1,2,4-Trichlorobenzene
 Concen: 50.150 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 230632
 Ion Ratio Lower Upper
 180 100
 182 95.6 48.9 146.8
 145 30.1 14.1 42.3

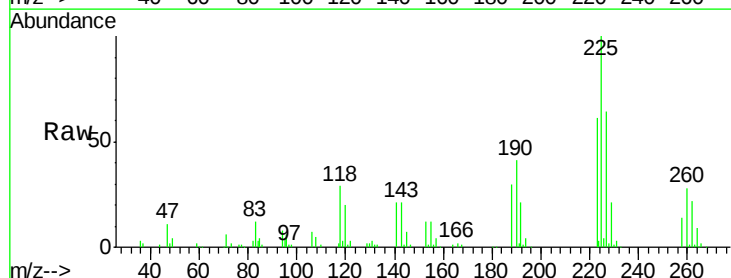


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

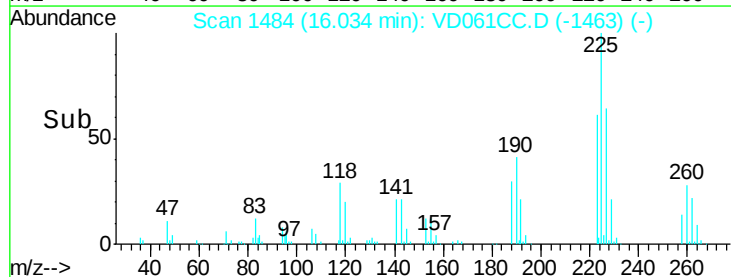
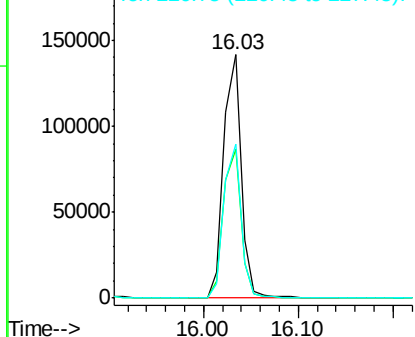


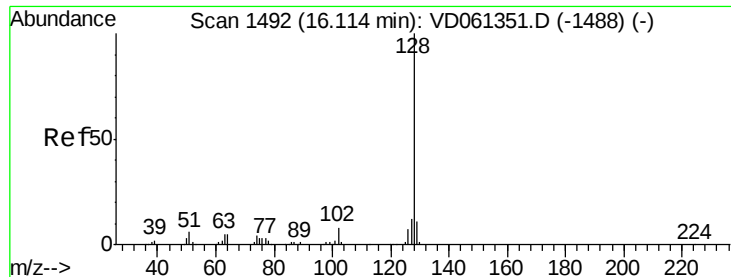
#94
 Hexachlorobutadiene
 Concen: 50.797 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061CC.D
 Acq: 2 Apr 2019 1:40

Tgt Ion:225 Resp: 182547
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.0 96.0
 227 63.5 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

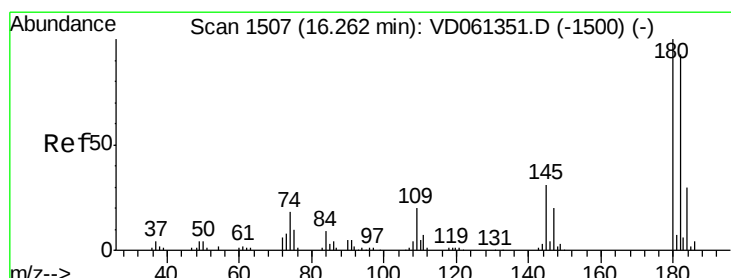
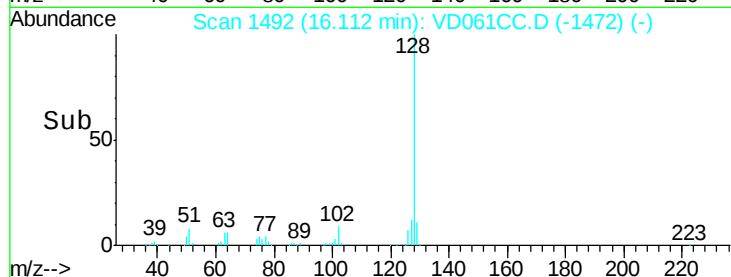
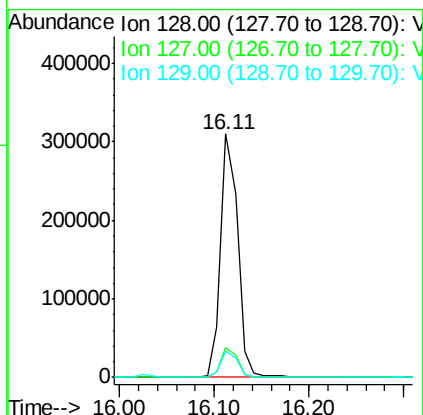
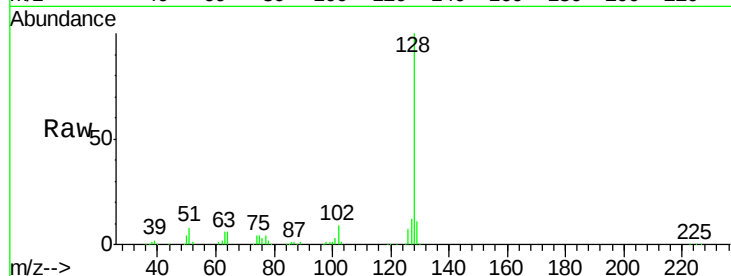




#95
Naphthalene
Concen: 55.538 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 389313
Ion Ratio Lower Upper
128 100
127 12.0 9.9 14.9
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 49.786 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061CC.D
Acq: 2 Apr 2019 1:40

Tgt Ion:180 Resp: 100751
Ion Ratio Lower Upper
180 100
182 97.6 46.4 139.1
145 35.0 15.3 45.9

