

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061965.D
 Acq On : 23 Apr 2019 11:55
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 23 12:20:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	586205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	930328	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	894968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	372834	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	220090	39.96	ug/l	0.00
Spiked Amount			Recovery	=	79.92%	
35) Dibromofluoromethane	6.93	113	326546	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
50) Toluene-d8	10.42	98	772378	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	13.56	95	327843	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	286907	50.731	ug/l	100
3) Chloromethane	1.76	50	221201	49.614	ug/l	99
4) Vinyl Chloride	1.85	62	222658	55.709	ug/l	98
5) Bromomethane	2.16	94	61357	49.793	ug/l	96
6) Chloroethane	2.28	64	86491	56.822	ug/l	100
7) Trichlorofluoromethane	2.54	101	313903	48.498	ug/l	97
8) Diethyl Ether	2.88	74	87503	51.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.16	101	299962	52.095	ug/l	99
10) Methyl Iodide	3.32	142	481070	56.532	ug/l	99
11) Tert butyl alcohol	4.06	59	62206	212.017	ug/l #	92
12) 1,1-Dichloroethene	3.14	96	249741	53.543	ug/l	95
13) Acrolein	3.05	56	70998	331.487	ug/l	90
14) Allyl chloride	3.64	41	337689	49.554	ug/l	97
15) Acrylonitrile	4.21	53	199624	218.650	ug/l	98
16) Acetone	3.22	43	316956	310.493	ug/l	95
17) Carbon Disulfide	3.39	76	740693	53.528	ug/l	99
18) Methyl Acetate	3.65	43	97596	37.858	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	473994	44.039	ug/l	97
20) Methylene Chloride	3.82	84	280597	42.772	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	280234	49.291	ug/l	99
22) Diisopropyl ether	5.12	45	715157	42.479	ug/l	92
23) Vinyl Acetate	5.06	43	1967836	219.487	ug/l	99
24) 1,1-Dichloroethane	4.99	63	440213	44.427	ug/l	98
25) 2-Butanone	6.08	43	323714	227.613	ug/l	96
26) 2,2-Dichloropropane	6.03	77	408527	49.944	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	312767	46.618	ug/l	96
28) Bromochloromethane	6.45	49	160791	41.175	ug/l	93
29) Tetrahydrofuran	6.46	42	149430	201.811	ug/l	98
30) Chloroform	6.68	83	515018	44.293	ug/l	99
31) Cyclohexane	6.96	56	344198	48.923	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	455121	44.767	ug/l	100
36) 1,1-Dichloropropene	7.15	75	362364	48.620	ug/l	96
37) Ethyl Acetate	6.19	43	145224	42.203	ug/l	96
38) Carbon Tetrachloride	7.12	117	504662	53.036	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	346355	47.110	ug/l	95
40) Benzene	7.47	78	893324	47.689	ug/l	99
41) Methacrylonitrile	6.44	41	171031	41.993	ug/l #	92
42) 1,2-Dichloroethane	7.58	62	310382	45.133	ug/l	96
43) Isopropyl Acetate	9.25	43	213406	42.567	ug/l #	97
44) Trichloroethene	8.55	130	347999	50.007	ug/l	98
45) 1,2-Dichloropropane	8.94	63	239867	50.218	ug/l	99
46) Dibromomethane	9.07	93	165468	45.662	ug/l	98
47) Bromodichloromethane	9.39	83	396030	47.694	ug/l	98
48) Methyl methacrylate	9.13	41	131990	46.144	ug/l	96
49) 1,4-Dioxane	9.08	88	28590	967.295	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	665871	207.898	ug/l	98
52) Toluene	10.52	92	563226	46.733	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	344879	46.780	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	413494	48.279	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	189551	43.705	ug/l	97
56) Ethyl methacrylate	11.05	69	222286	48.250	ug/l	95
57) 1,3-Dichloropropane	11.41	76	283315	43.842	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	440708	199.379	ug/l	98
59) 2-Hexanone	11.53	43	513186	227.753	ug/l	97
60) Dibromochloromethane	11.69	129	345786	49.528	ug/l	96
61) 1,2-Dibromoethane	11.81	107	255474	49.161	ug/l	98
64) Tetrachloroethene	11.27	164	274280	42.088	ug/l	98
65) Chlorobenzene	12.40	112	752877	43.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	332575	46.906	ug/l	97
67) Ethyl Benzene	12.53	91	1253595	48.068	ug/l	99
68) m/p-Xylenes	12.66	106	884026	88.620	ug/l	98
69) o-Xylene	13.06	106	428509	45.136	ug/l	97
70) Styrene	13.08	104	719963	43.824	ug/l	98
71) Bromoform	13.23	173	194525	44.446	ug/l	98
73) Isopropylbenzene	13.40	105	1083226	45.562	ug/l	99
74) N-amyl acetate	13.26	43	312287	48.292	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	228964	44.677	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	232211	46.904	ug/l	99
77) Bromobenzene	13.67	156	336956	48.136	ug/l	81
78) n-propylbenzene	13.78	91	1321526	46.825	ug/l	99
79) 2-Chlorotoluene	13.84	91	783524	46.455	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	979274	49.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	73945	50.516	ug/l	99
82) 4-Chlorotoluene	13.95	91	918724	48.344	ug/l	99
83) tert-Butylbenzene	14.19	119	1194730	52.887	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	996842	51.076	ug/l	98
85) sec-Butylbenzene	14.37	105	1283416	52.783	ug/l	100
86) p-Isopropyltoluene	14.49	119	1023312	45.967	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	577090	45.589	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	615528	51.573	ug/l	96
89) n-Butylbenzene	14.80	91	970529	47.911	ug/l	97
90) Hexachloroethane	15.01	117	269673	43.375	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	489363	45.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	32875	48.135	ug/l	83

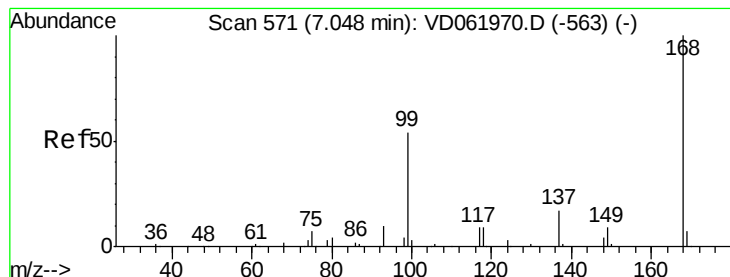
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	255356	46.920	ug/l	95
94) Hexachlorobutadiene	16.04	225	211194	53.307	ug/l	99
95) Naphthalene	16.13	128	394181	45.108	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	153062	50.558	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

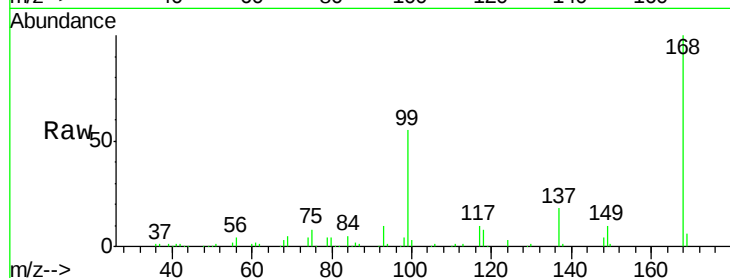
VSTDICCC050

Tot Ion:168 Resp: 586205

Ion Ratio Lower Upper

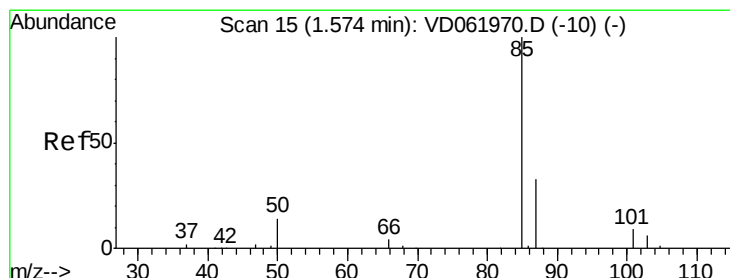
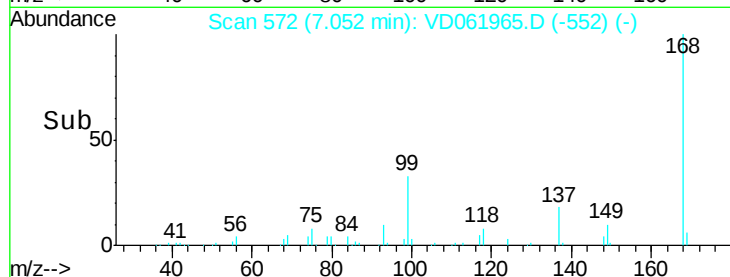
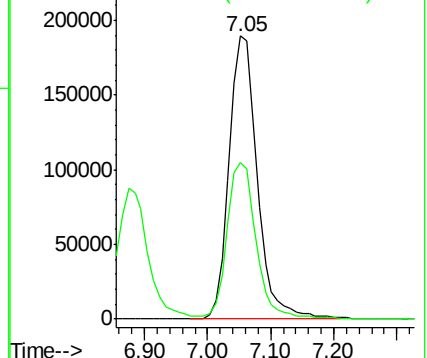
168 100

99 55.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.731 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.00 min

Lab File: VD061965.D

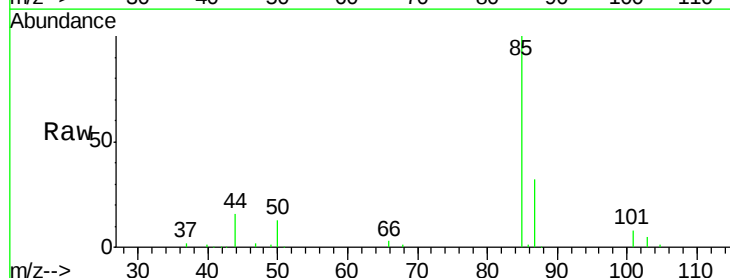
Acq: 23 Apr 2019 11:55

Tgt Ion: 85 Resp: 286907

Ion Ratio Lower Upper

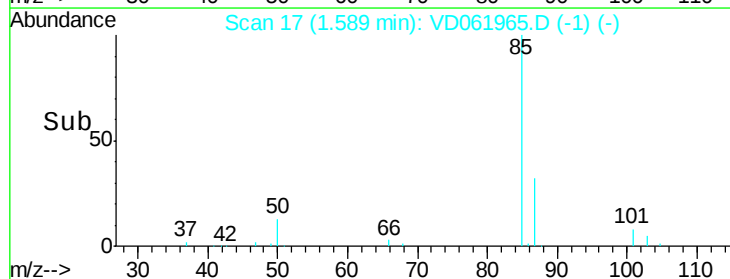
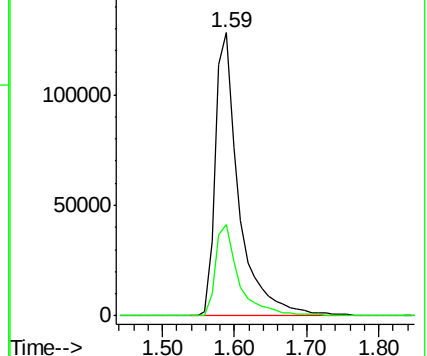
85 100

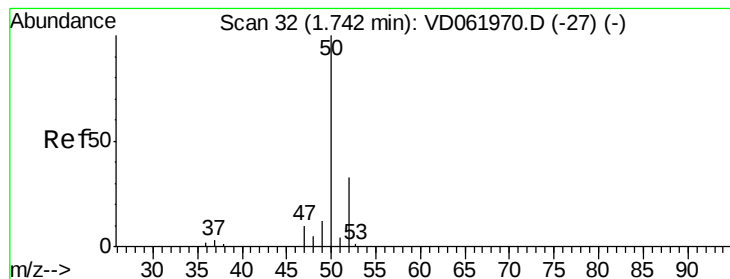
87 32.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.614 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

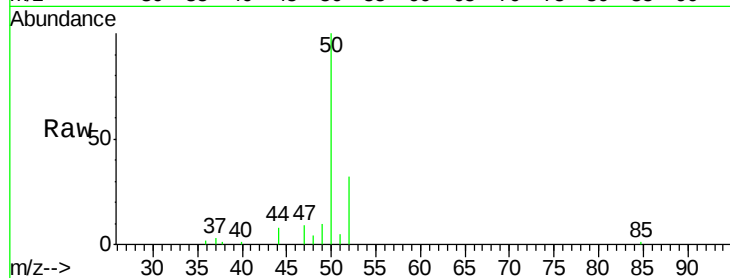
VSTDICCC050

Tot Ion: 50 Resp: 221201

Ion Ratio Lower Upper

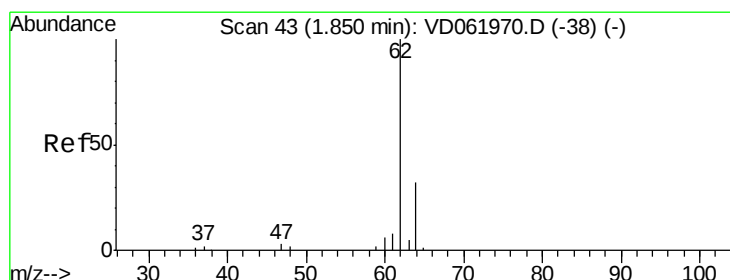
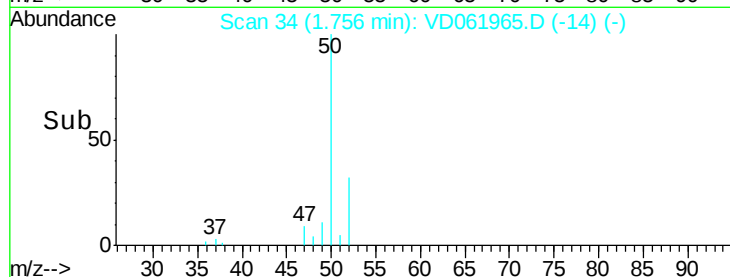
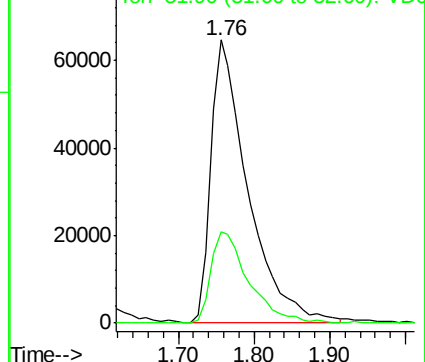
50 100

52 32.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.709 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061965.D

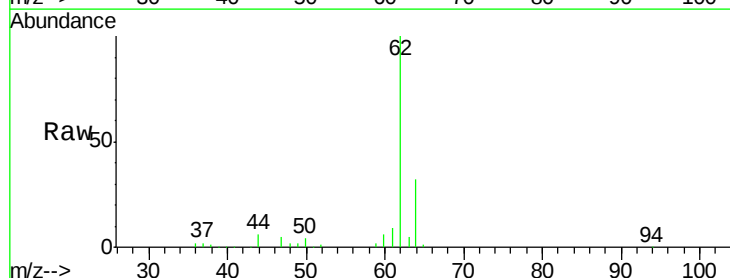
Acq: 23 Apr 2019 11:55

Tgt Ion: 62 Resp: 222658

Ion Ratio Lower Upper

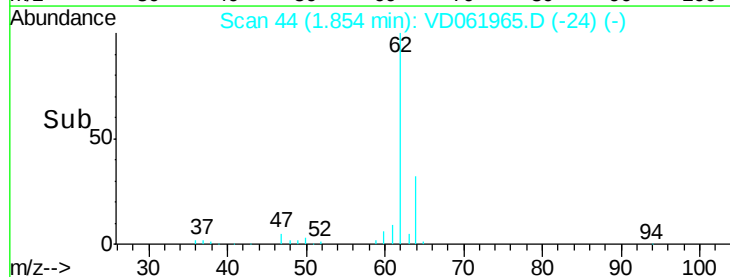
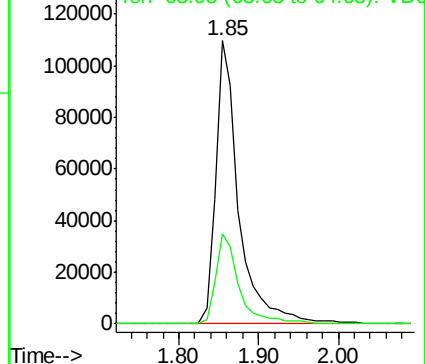
62 100

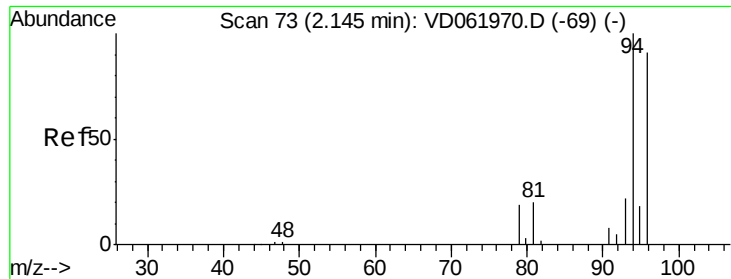
64 31.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

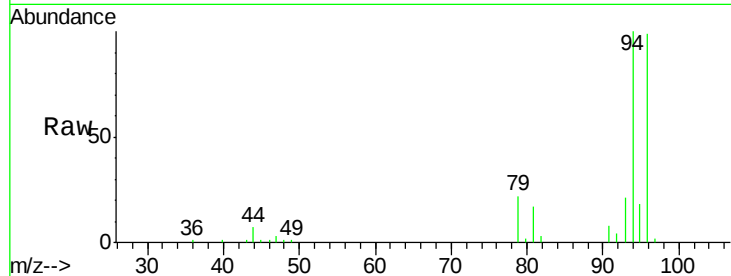




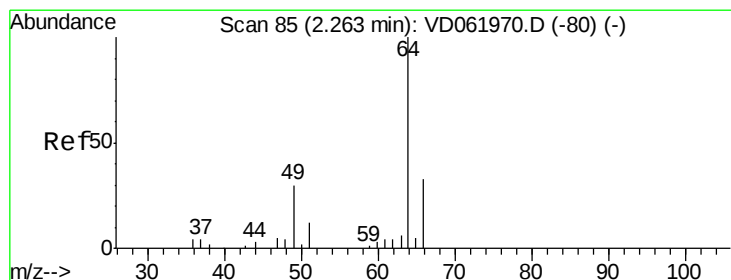
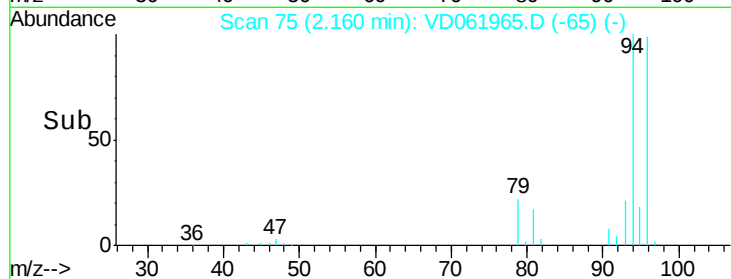
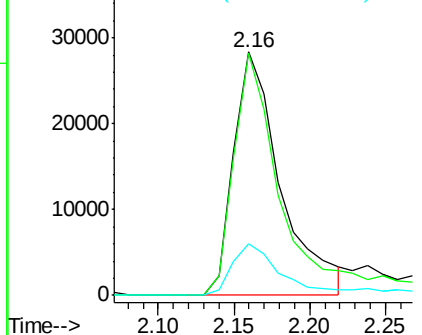
#5
Bromomethane
Concen: 49.793 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion: 94 Resp: 61357
Ion Ratio Lower Upper
94 100
96 99.5 76.6 115.0
93 21.3 18.5 27.7

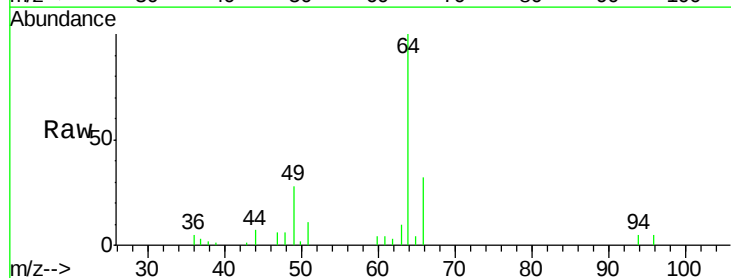


Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC

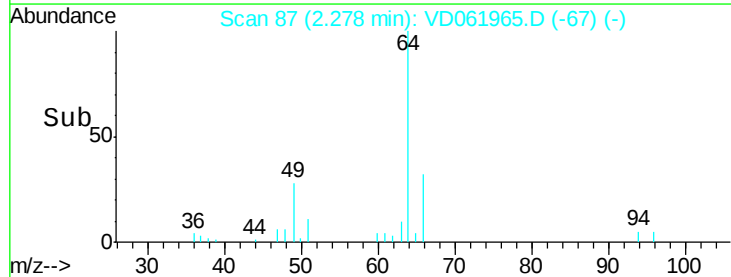
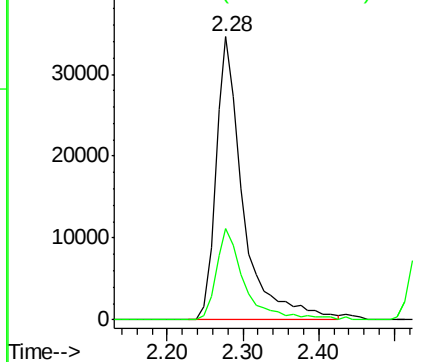


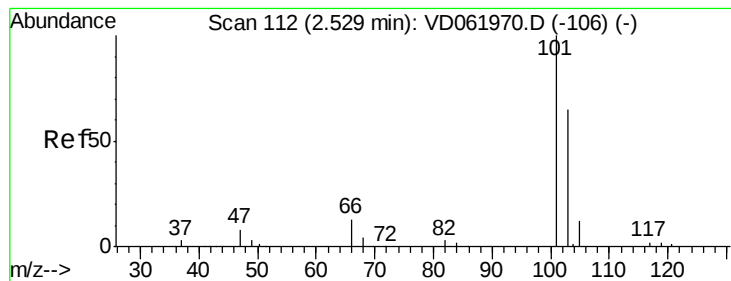
#6
Chloroethane
Concen: 56.822 ug/l
RT: 2.28 min Scan# 87
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 64 Resp: 86491
Ion Ratio Lower Upper
64 100
66 32.2 25.6 38.4



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



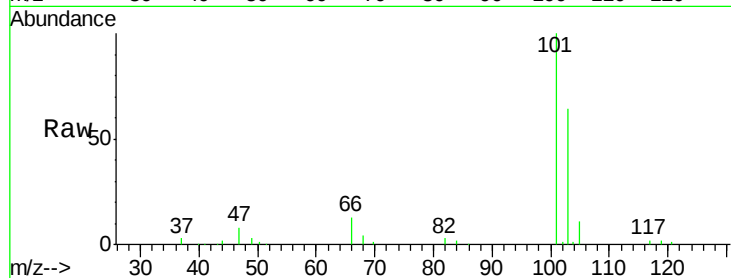


#7

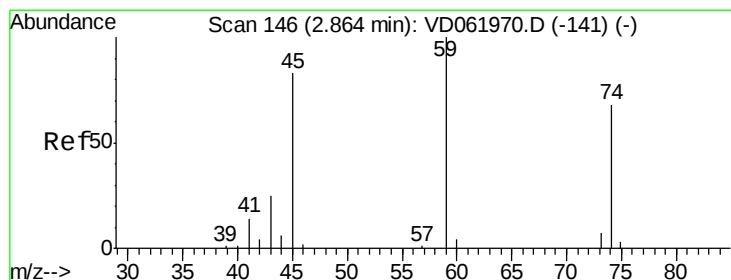
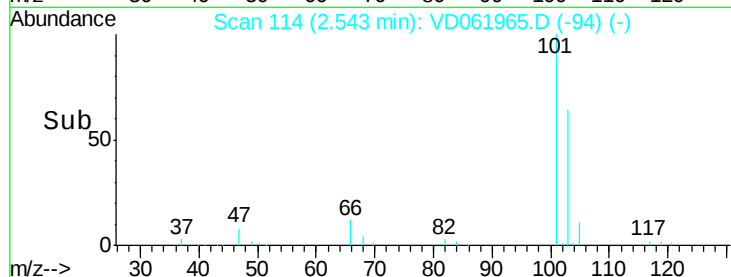
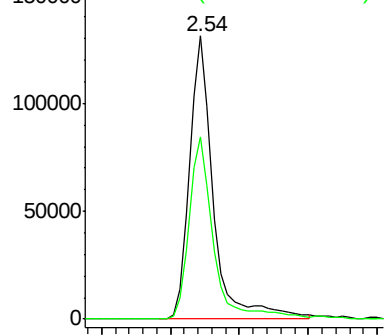
Trichlorofluoromethane
 Concen: 48.498 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Instrument :
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 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 313903
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.6 80.4



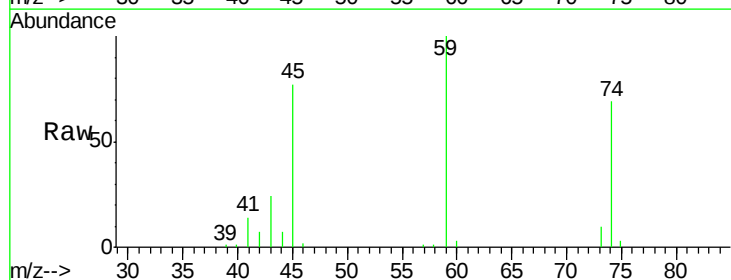
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



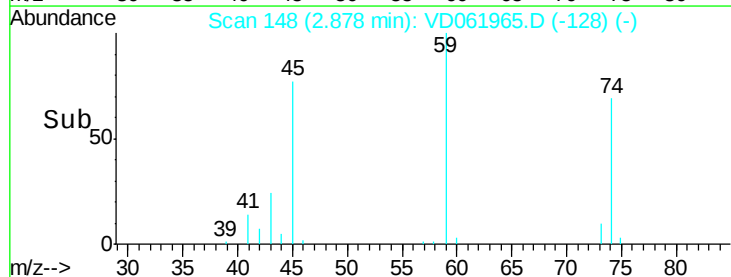
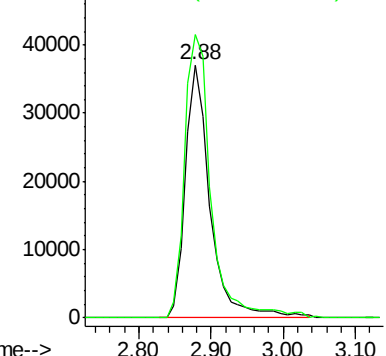
#8

Diethyl Ether
 Concen: 51.565 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion: 74 Resp: 87503
 Ion Ratio Lower Upper
 74 100
 45 111.9 56.9 170.7



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

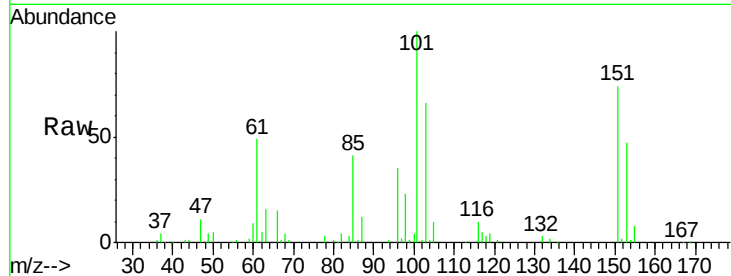




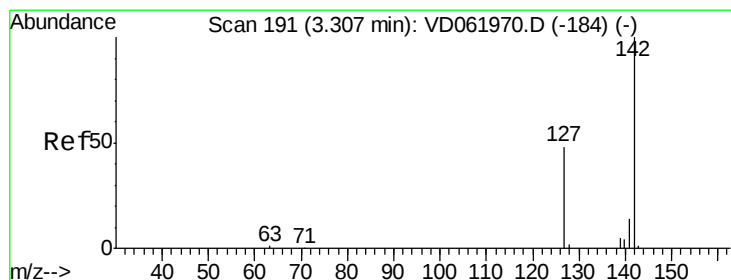
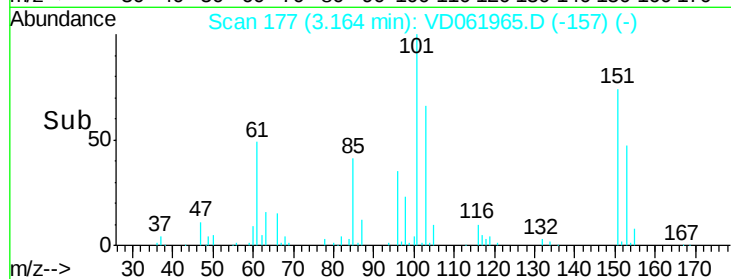
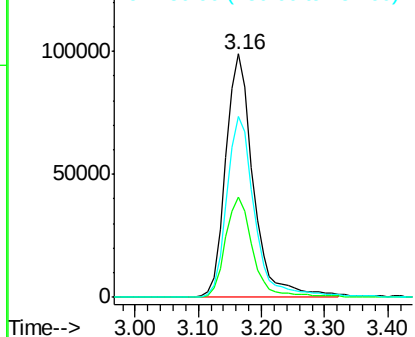
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.095 ug/l
 RT: 3.16 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:101 Resp: 299962
 Ion Ratio Lower Upper
 101 100
 85 41.3 32.4 48.6
 151 74.3 59.4 89.0

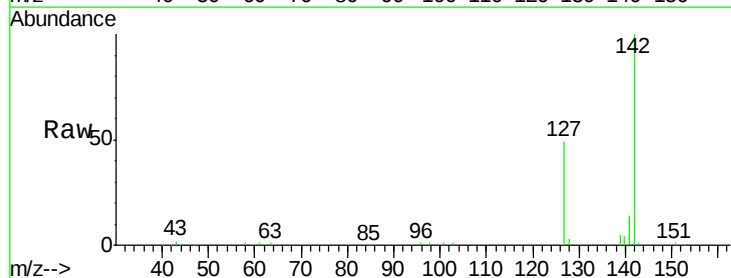


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

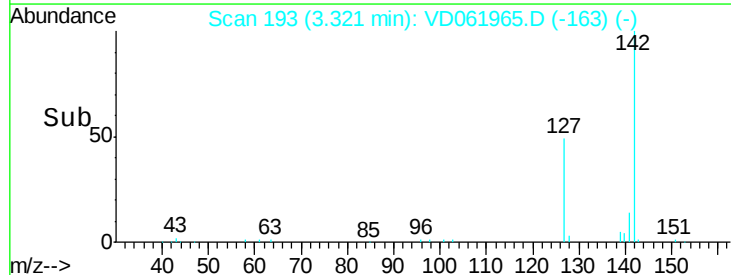
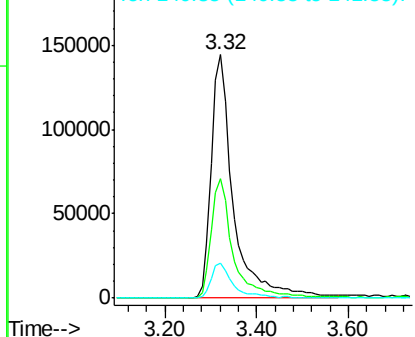


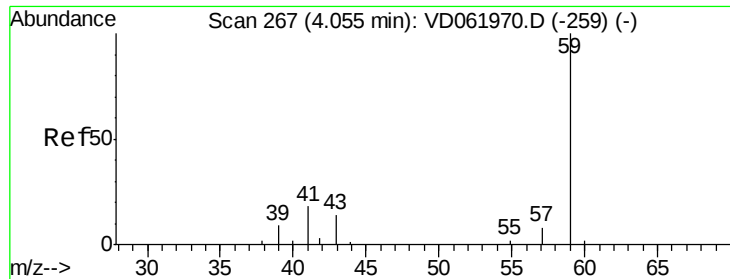
#10
 Methyl Iodide
 Concen: 56.532 ug/l
 RT: 3.32 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion:142 Resp: 481070
 Ion Ratio Lower Upper
 142 100
 127 49.1 38.8 58.2
 141 14.3 11.4 17.0



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

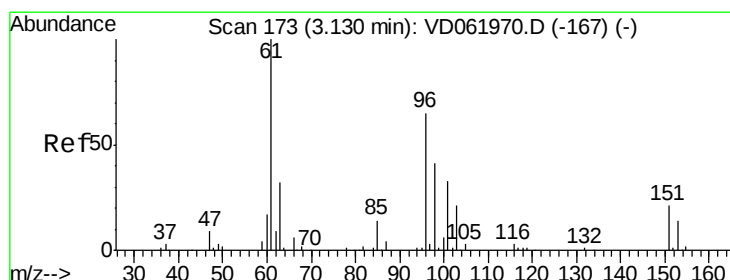
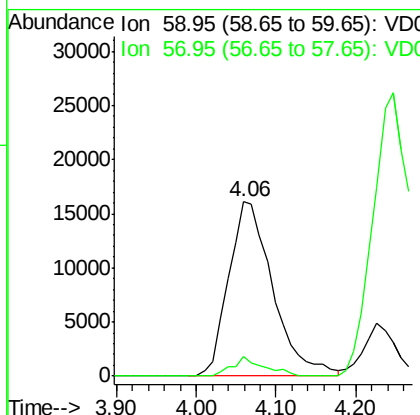
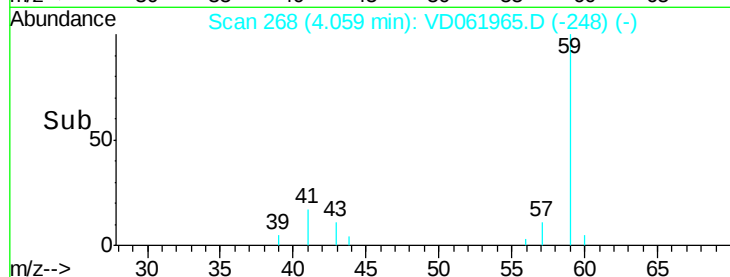
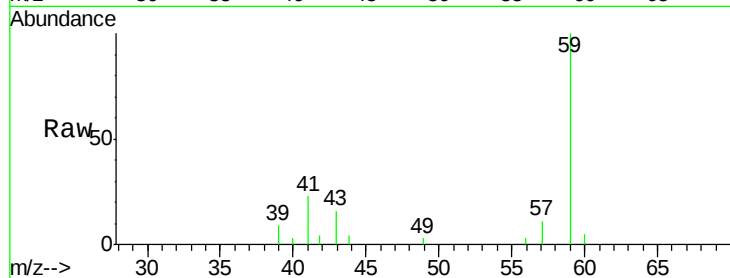




#11
Tert butyl alcohol
Concen: 212.017 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

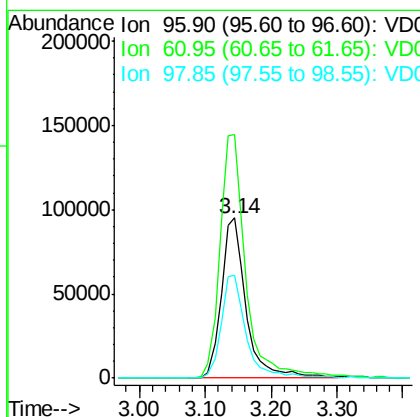
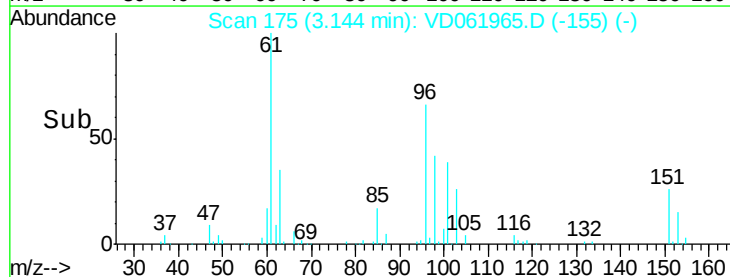
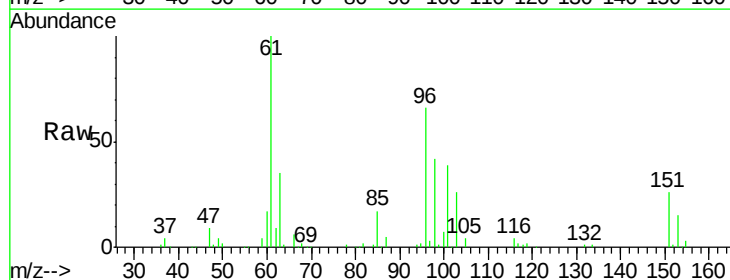
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

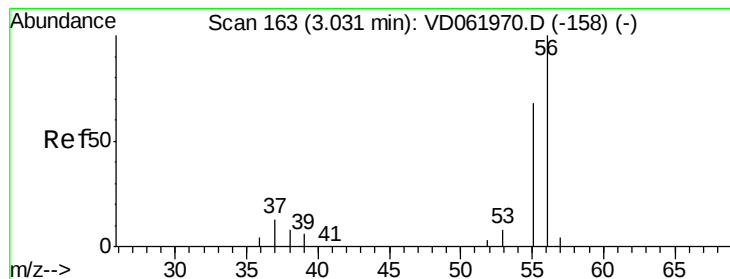
Tot Ion: 59 Resp: 62206
Ion Ratio Lower Upper
59 100
57 11.3 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 53.543 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 96 Resp: 249741
Ion Ratio Lower Upper
96 100
61 152.3 129.8 194.8
98 64.2 51.2 76.8





#13

Acrolein

Concen: 331.487 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

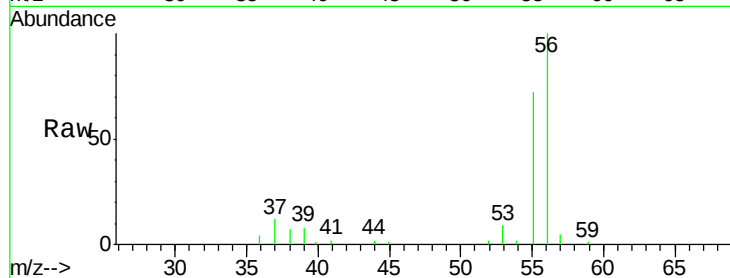
VSTDICCC050

Tot Ion: 56 Resp: 70998

Ion Ratio Lower Upper

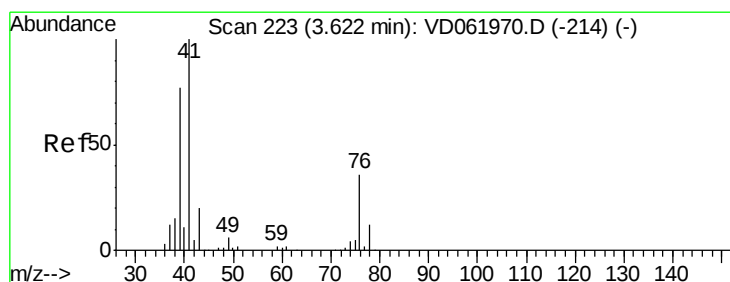
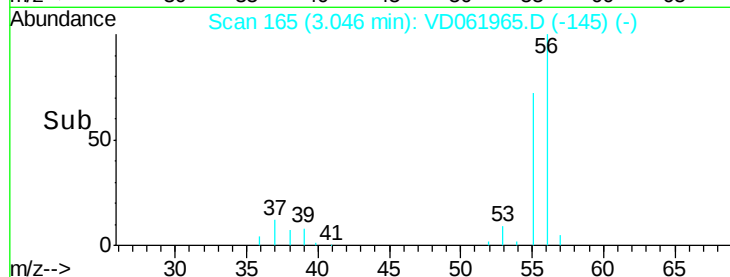
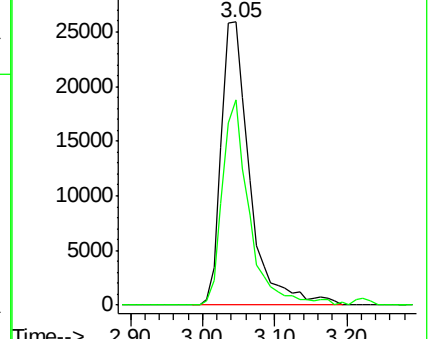
56 100

55 72.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.554 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

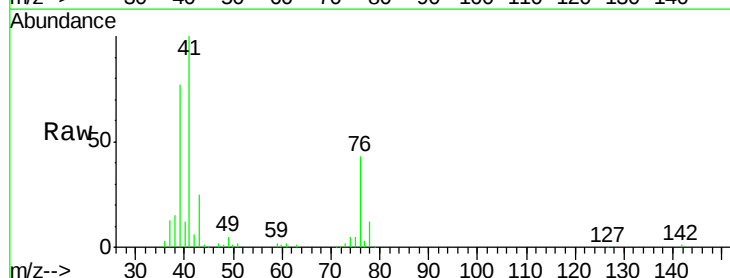
Tgt Ion: 41 Resp: 337689

Ion Ratio Lower Upper

41 100

39 77.1 60.5 90.7

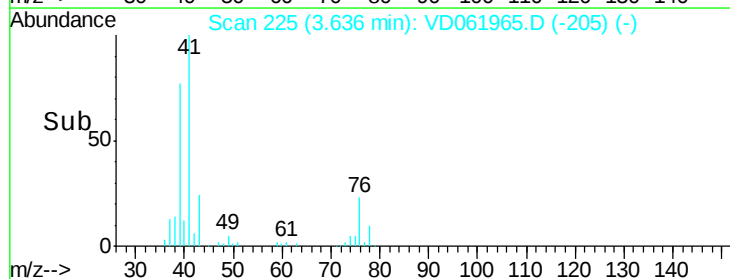
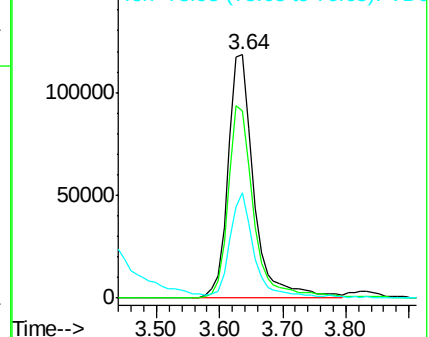
76 43.2 31.8 47.8

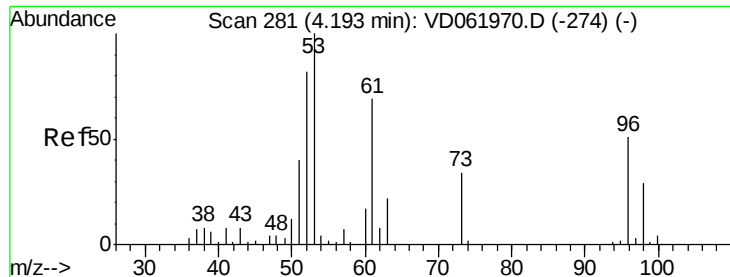


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 218.650 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

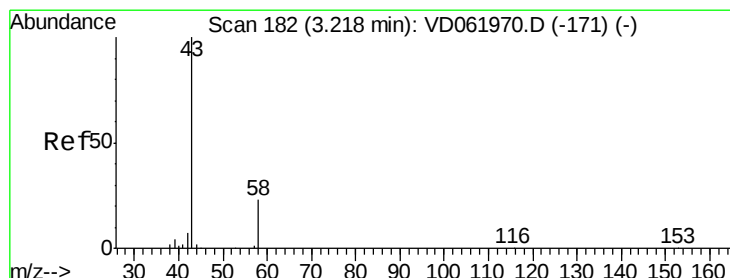
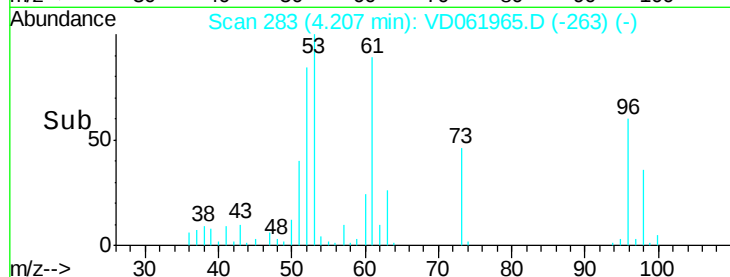
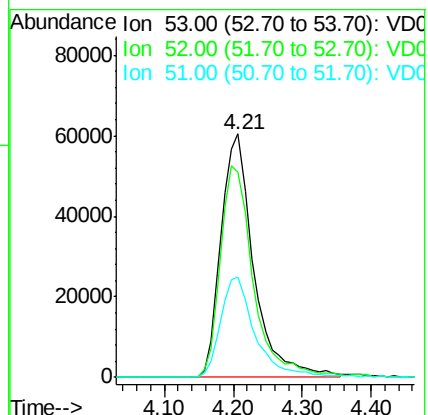
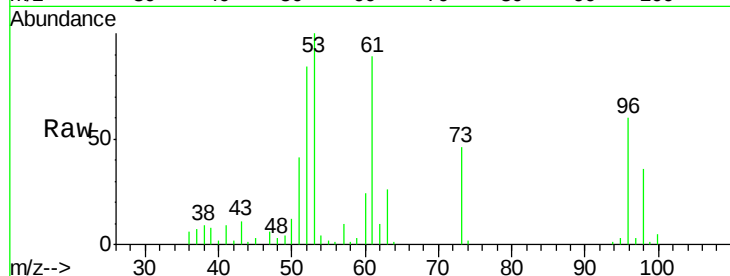
Tot Ion: 53 Resp: 199624

Ion Ratio Lower Upper

53 100

52 84.1 65.0 97.4

51 41.0 32.6 48.8



#16

Acetone

Concen: 310.493 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061965.D

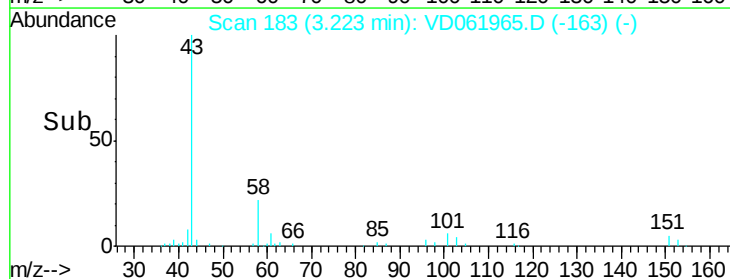
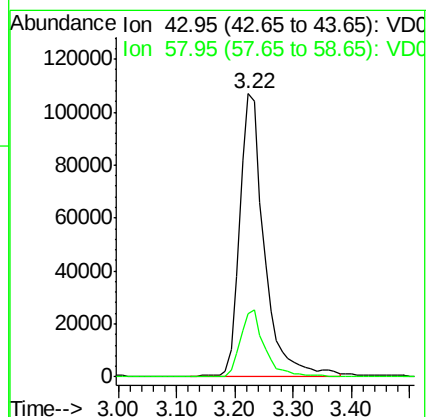
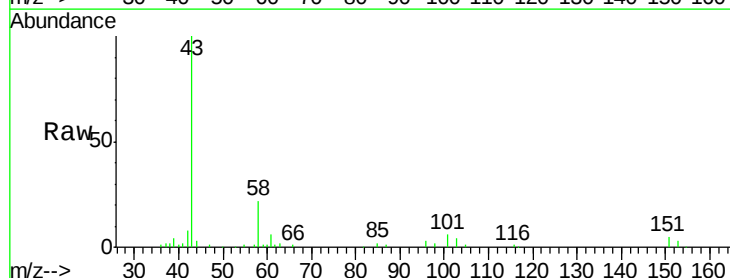
Acq: 23 Apr 2019 11:55

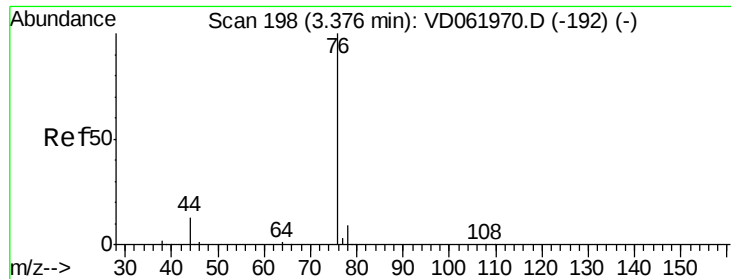
Tgt Ion: 43 Resp: 316956

Ion Ratio Lower Upper

43 100

58 22.4 19.9 29.9





#17

Carbon Disulfide

Concen: 53.528 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

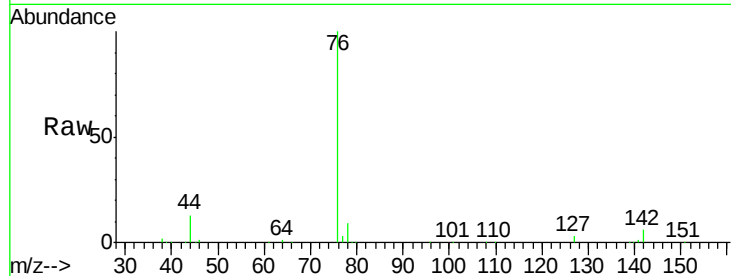
VSTDICCC050

Tot Ion: 76 Resp: 740693

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

300000

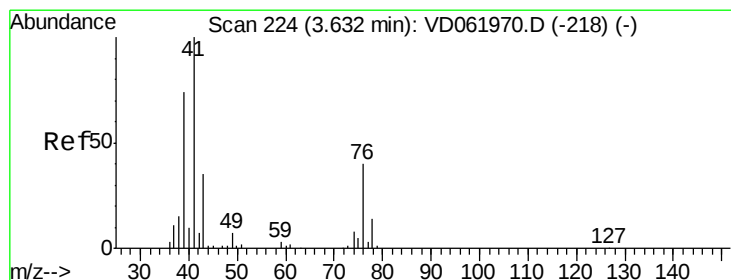
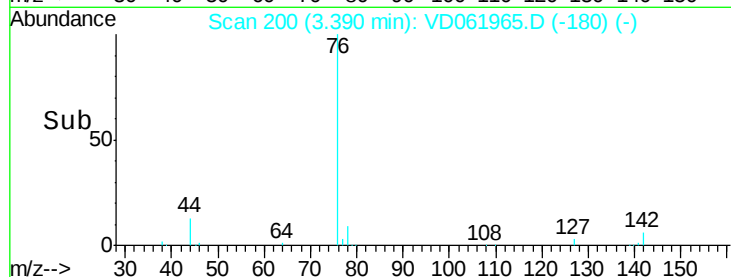
200000

100000

0

Time-->

3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 37.858 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.00 min

Lab File: VD061965.D

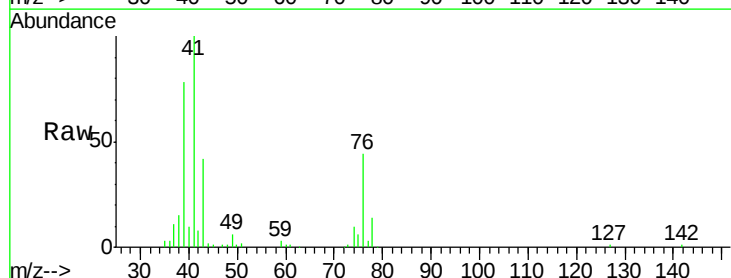
Acq: 23 Apr 2019 11:55

Tgt Ion: 43 Resp: 97596

Ion Ratio Lower Upper

43 100

74 23.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

40000

30000

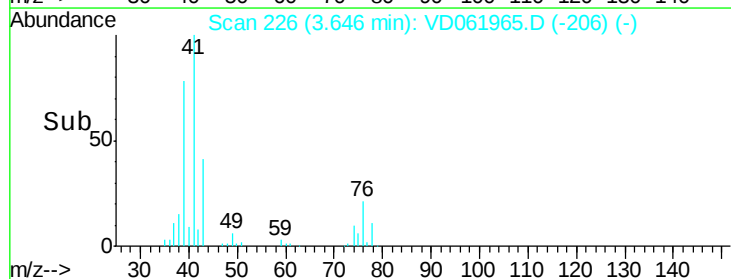
20000

10000

0

Time-->

3.50 3.60 3.70 3.80

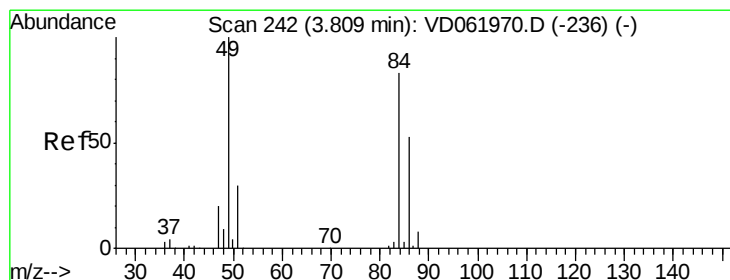
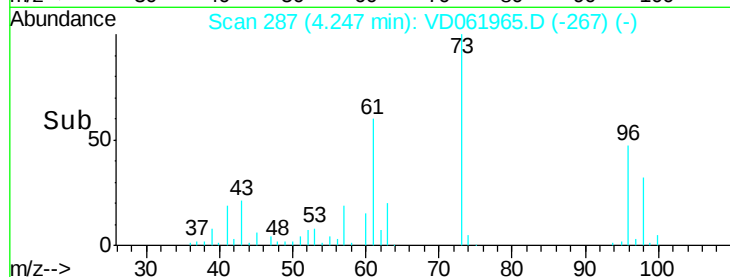
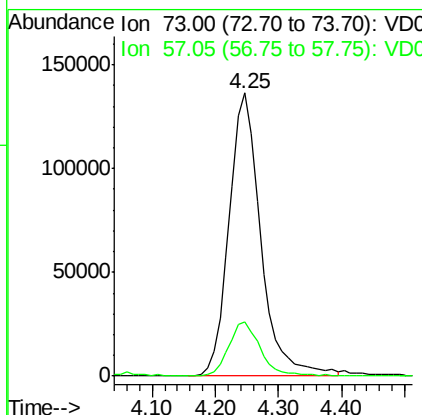
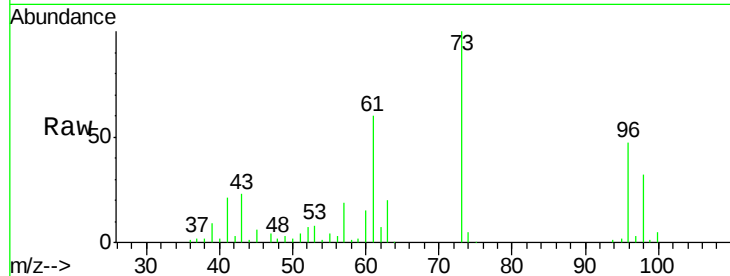




#19
Methyl tert-butyl Ether
Concen: 44.039 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

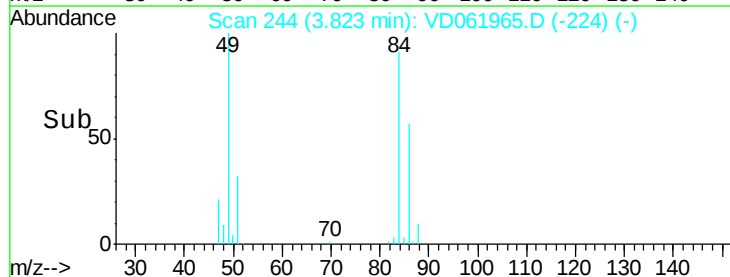
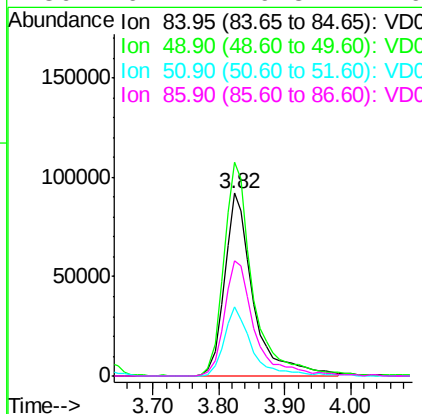
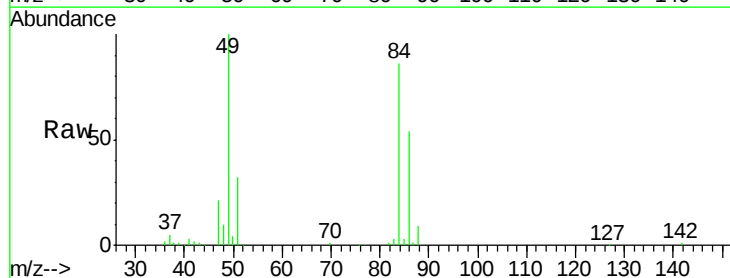
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

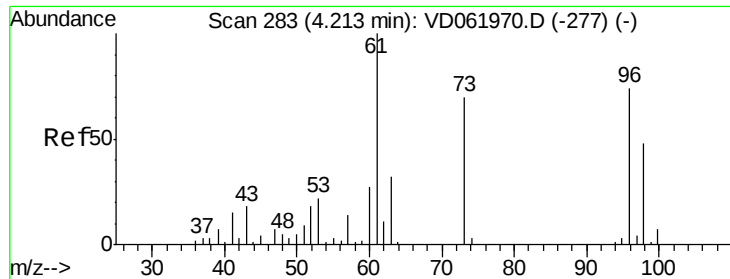
Tot Ion: 73 Resp: 473994
Ion Ratio Lower Upper
73 100
57 19.2 16.3 24.5



#20
Methylene Chloride
Concen: 42.772 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 84 Resp: 280597
Ion Ratio Lower Upper
84 100
49 116.8 94.0 141.0
51 37.7 29.0 43.4
86 62.7 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.291 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

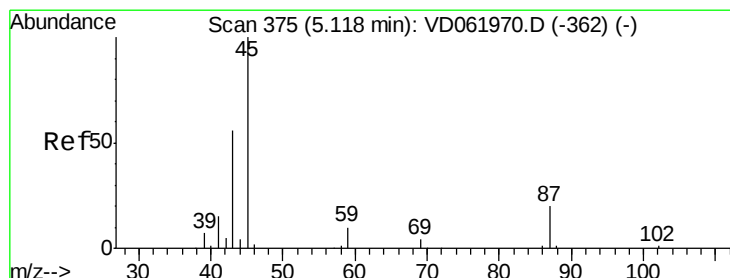
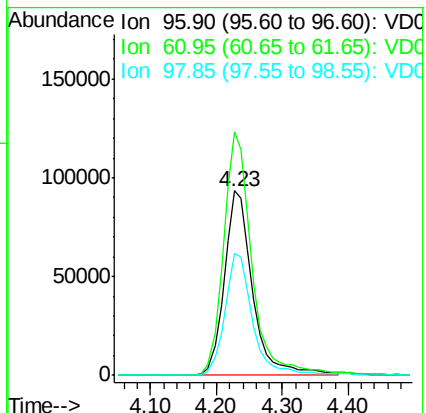
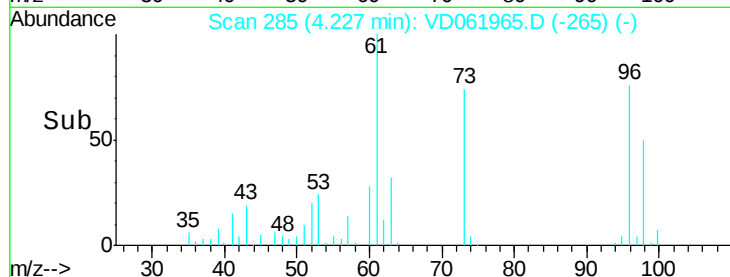
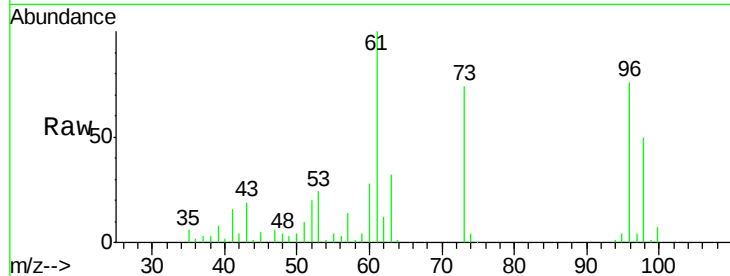
Tot Ion: 96 Resp: 280234

Ion Ratio Lower Upper

96 100

61 132.1 104.4 156.6

98 66.0 51.8 77.8



#22

Diisopropyl ether

Concen: 42.479 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Tgt Ion: 45 Resp: 715157

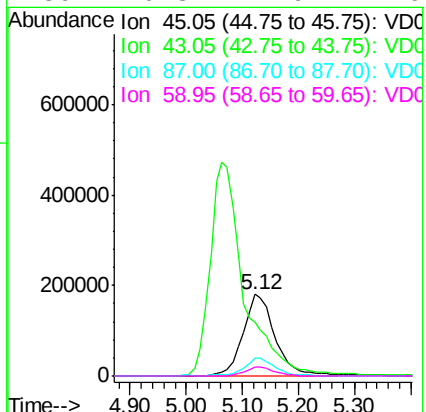
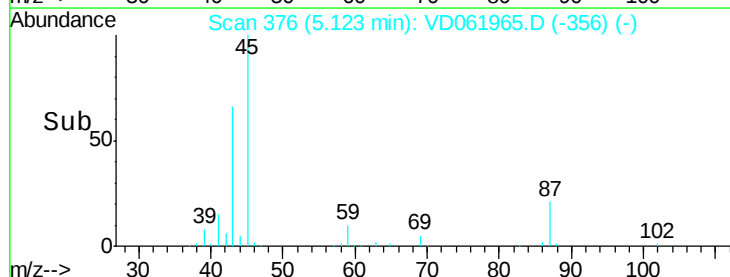
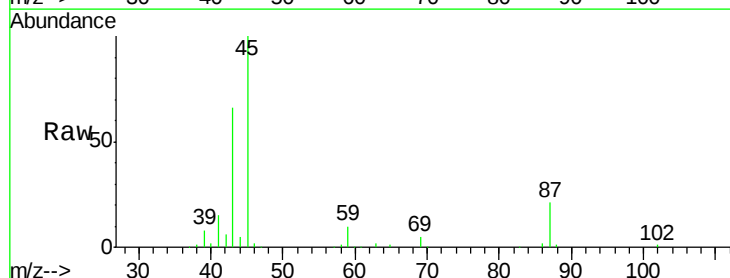
Ion Ratio Lower Upper

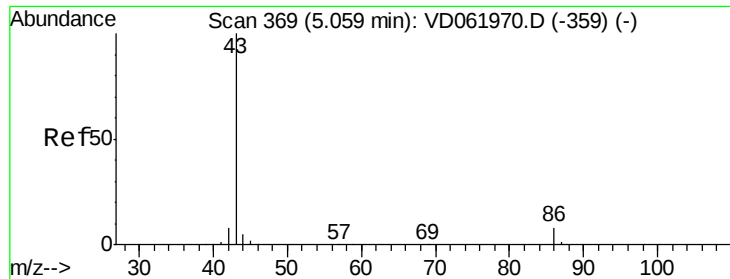
45 100

43 65.9 46.2 69.2

87 21.4 15.9 23.9

59 10.3 7.9 11.9





#23

Vinyl Acetate

Concen: 219.487 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

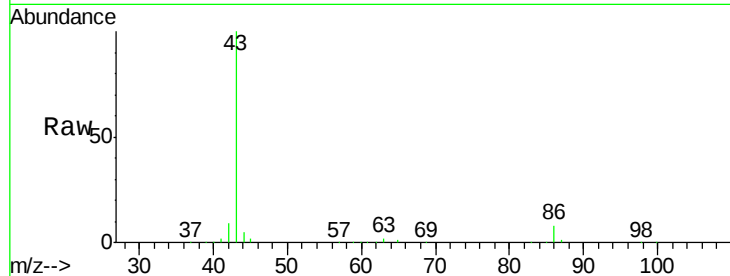
VSTDICCC050

Tot Ion: 43 Resp: 1967836

Ion Ratio Lower Upper

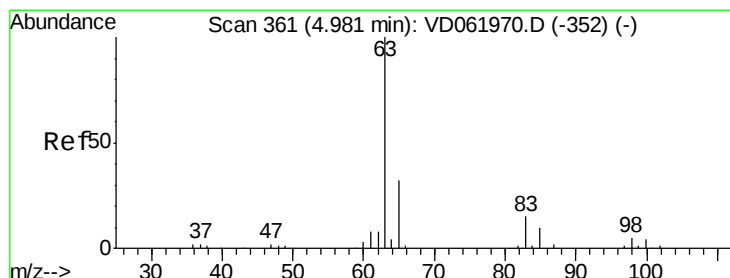
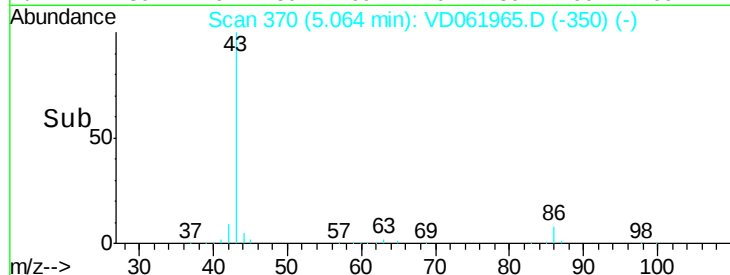
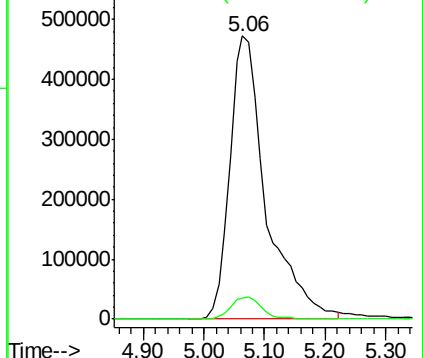
43 100

86 7.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 44.427 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

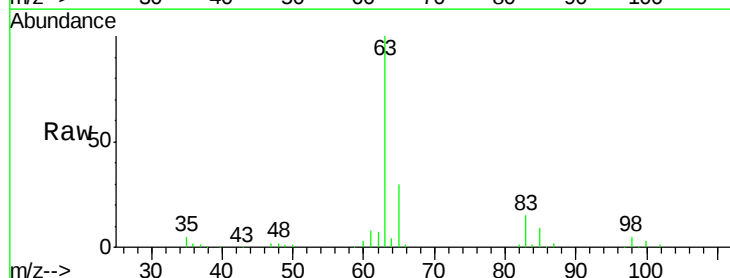
Tgt Ion: 63 Resp: 440213

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.4

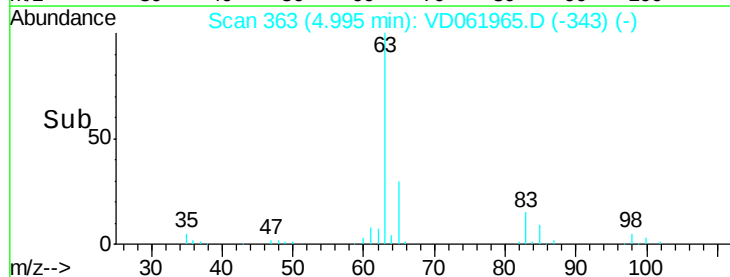
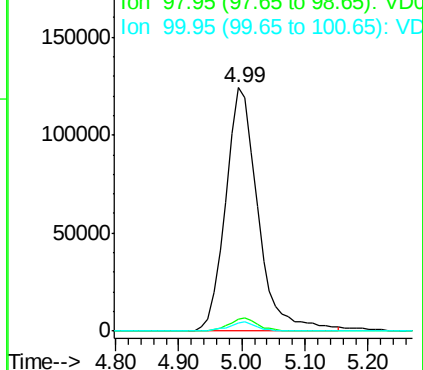
100 3.2 1.8 5.5

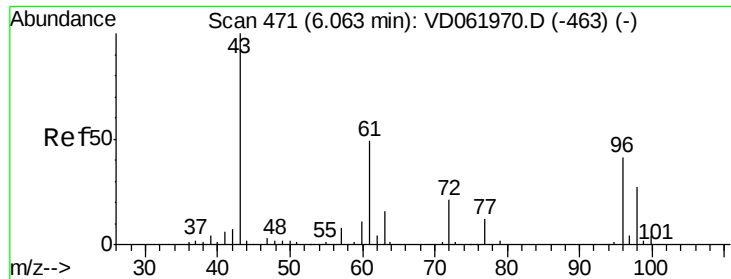


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 227.613 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

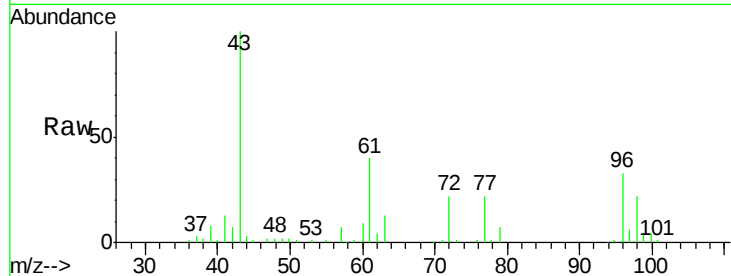
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 323714

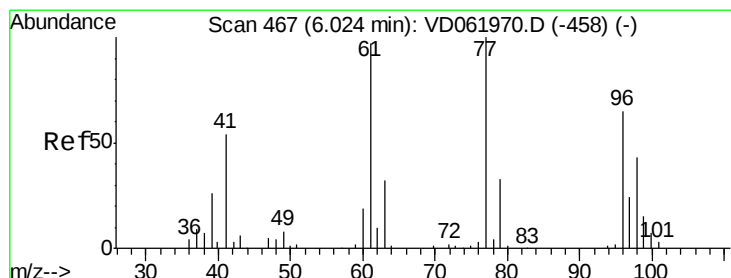
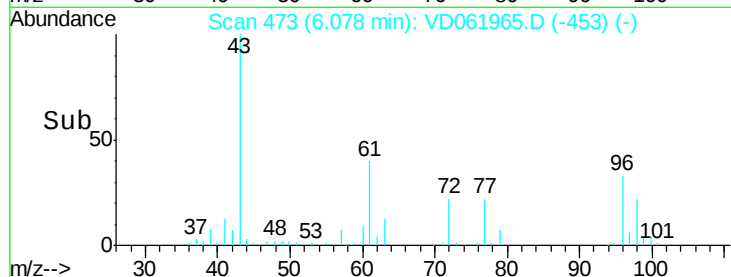
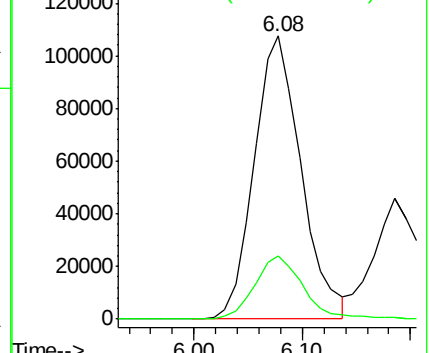
Ion Ratio Lower Upper

43 100

72 22.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.944 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061965.D

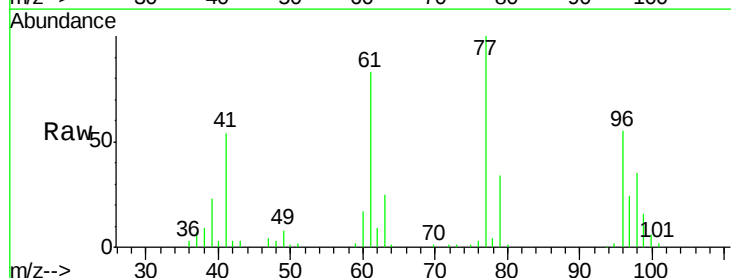
Acq: 23 Apr 2019 11:55

Tgt Ion: 77 Resp: 408527

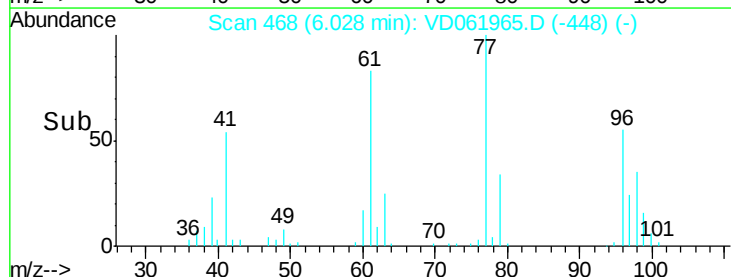
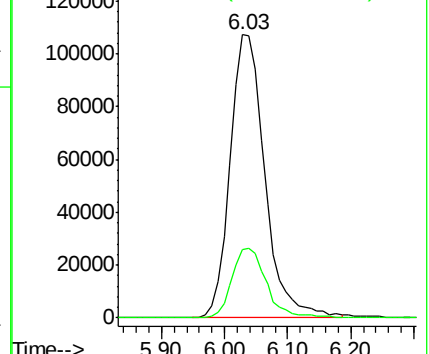
Ion Ratio Lower Upper

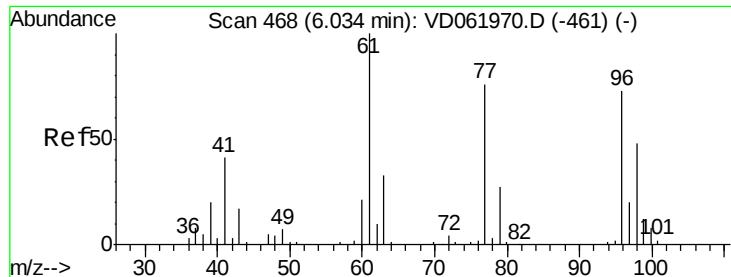
77 100

97 24.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



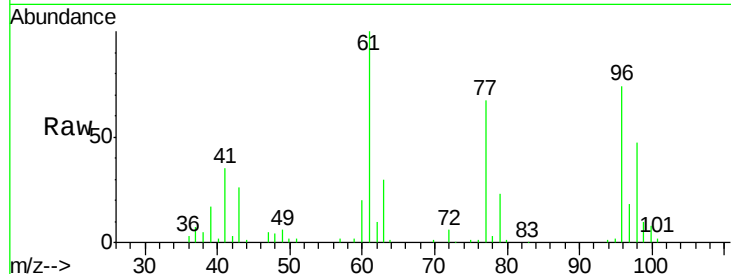


#27

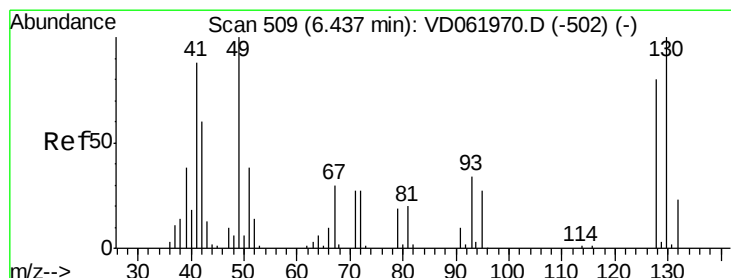
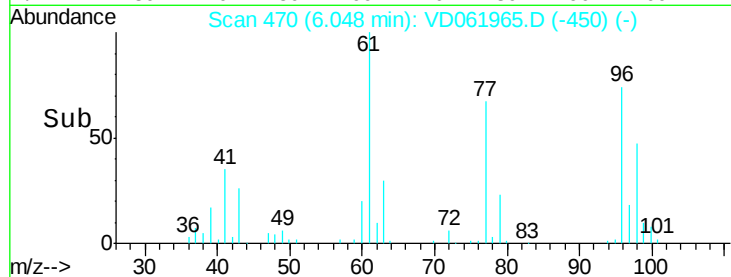
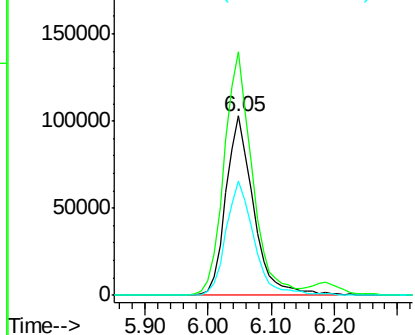
cis-1,2-Dichloroethene
Concen: 46.618 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 312767
Ion Ratio Lower Upper
96 100
61 135.9 0.0 279.8
98 63.8 0.0 136.0



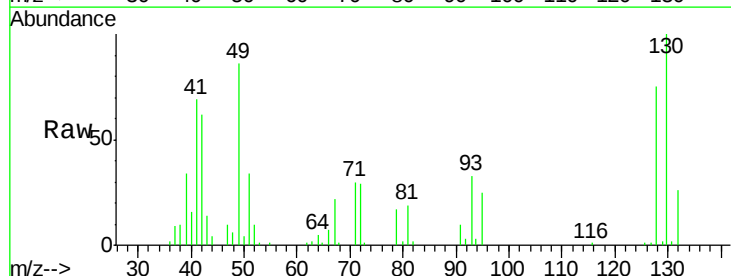
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



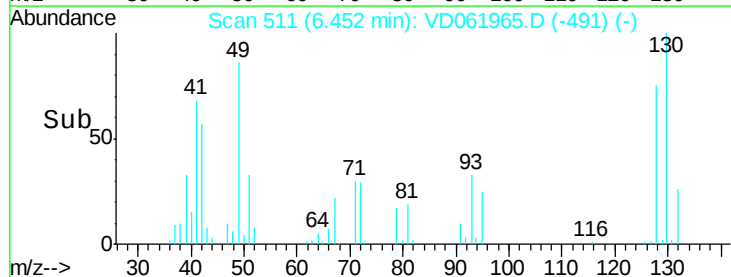
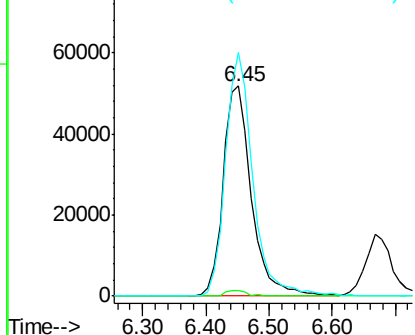
#28

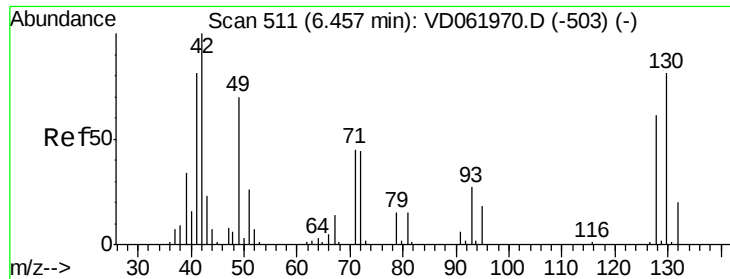
Bromochloromethane
Concen: 41.175 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 49 Resp: 160791
Ion Ratio Lower Upper
49 100
129 2.7 0.0 6.6
130 115.8 86.7 130.1



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: 201.811 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

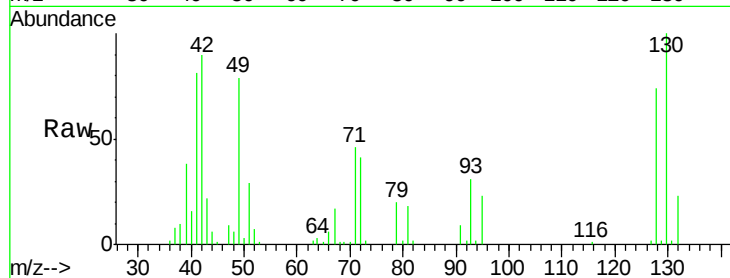
Tot Ion: 42 Resp: 149430

Ion Ratio Lower Upper

42 100

72 47.6 37.8 56.6

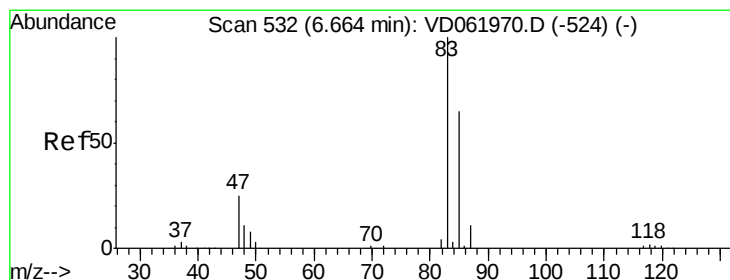
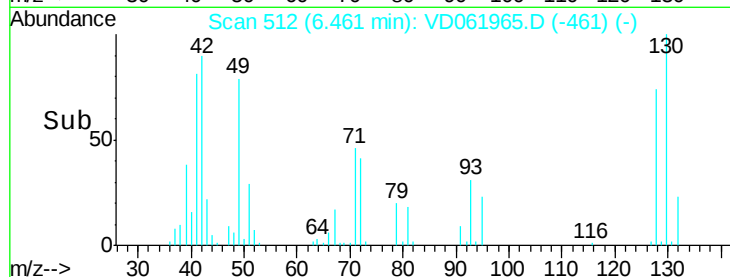
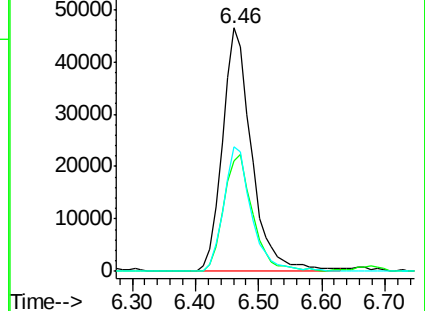
71 48.7 36.7 55.1



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: 44.293 ug/l

RT: 6.68 min Scan# 534

Delta R.T. 0.00 min

Lab File: VD061965.D

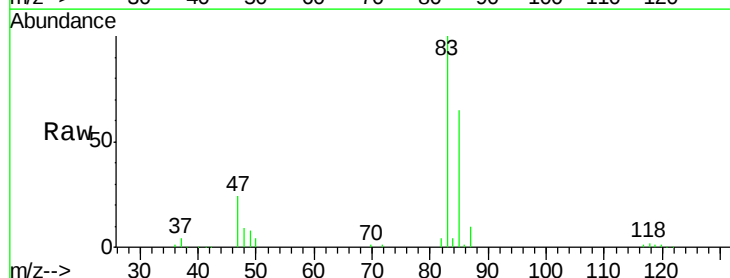
Acq: 23 Apr 2019 11:55

Tgt Ion: 83 Resp: 515018

Ion Ratio Lower Upper

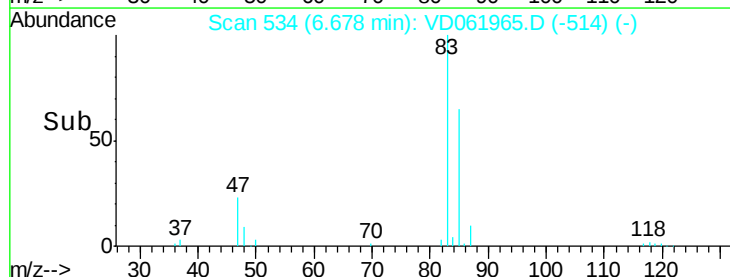
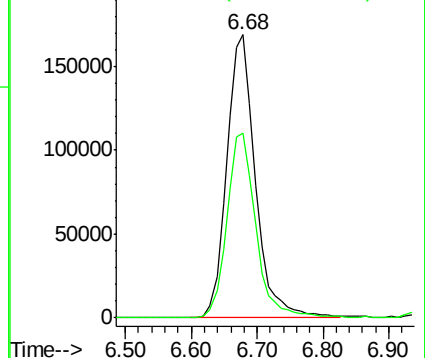
83 100

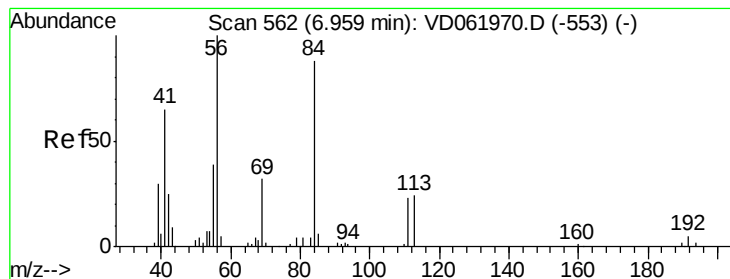
85 65.4 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cvclohexane

Concen: 48.923 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

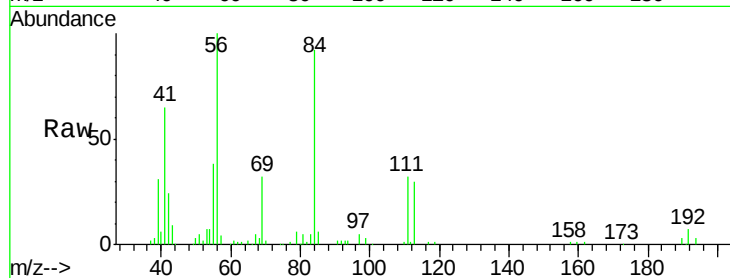
Tot Ion: 56 Resp: 344198

Ion Ratio Lower Upper

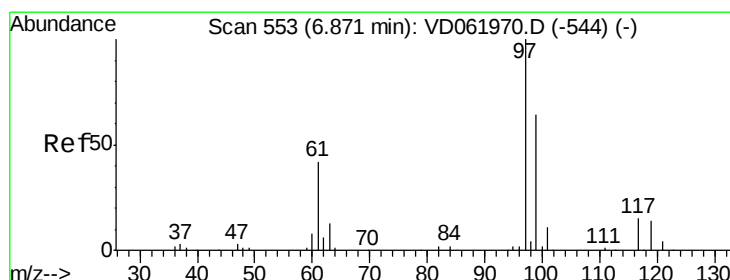
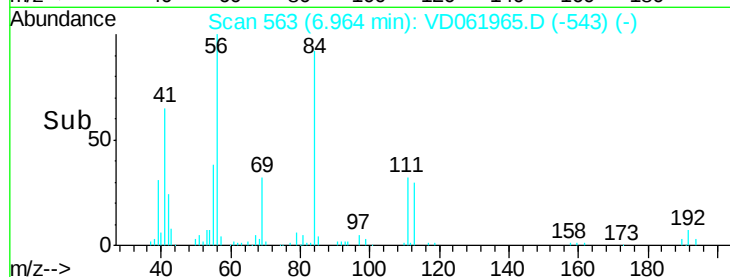
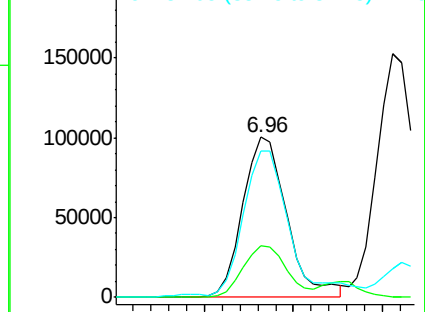
56 100

69 31.9 25.8 38.6

84 91.6 72.2 108.4



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: 44.767 ug/l

RT: 6.87 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

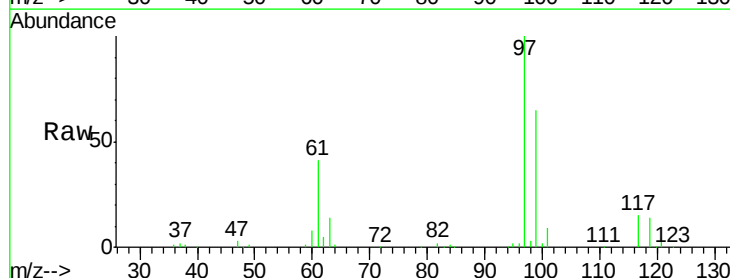
Tgt Ion: 97 Resp: 455121

Ion Ratio Lower Upper

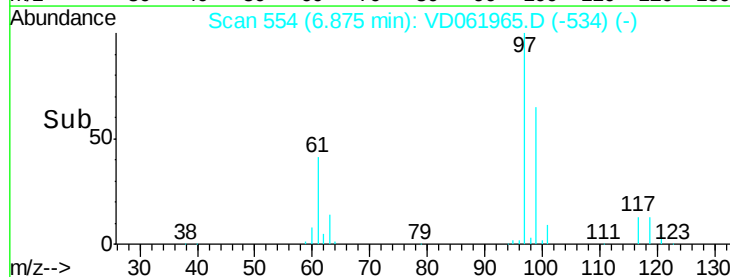
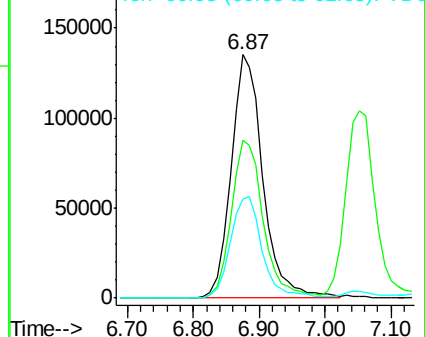
97 100

99 64.7 52.2 78.2

61 40.7 32.4 48.6



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: 44.767 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

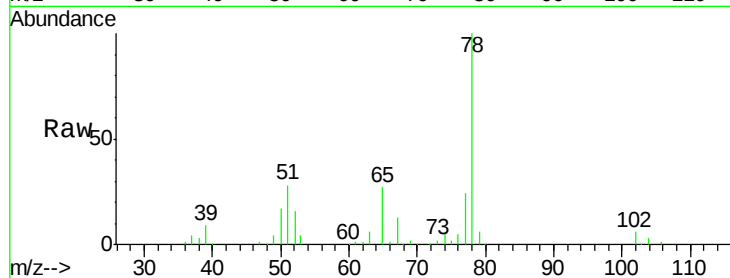
VSTDICCC050

Tot Ion: 65 Resp: 220090

Ion Ratio Lower Upper

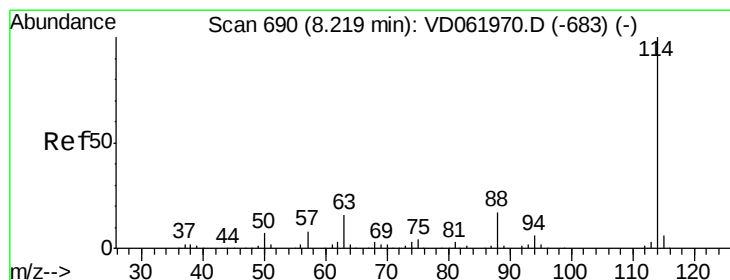
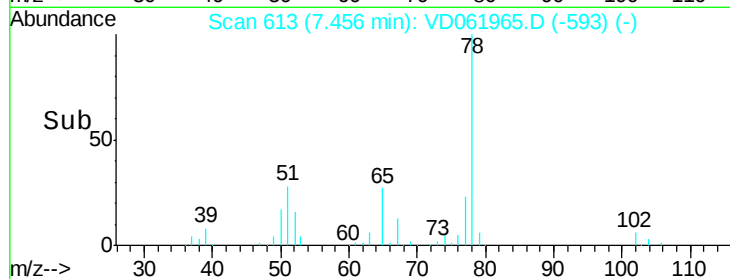
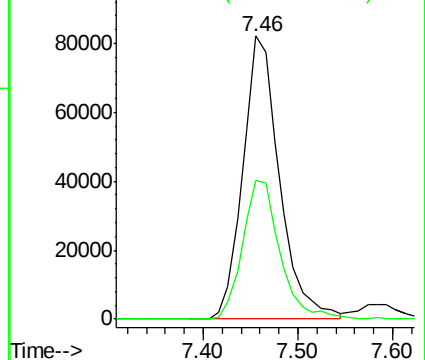
65 100

67 48.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

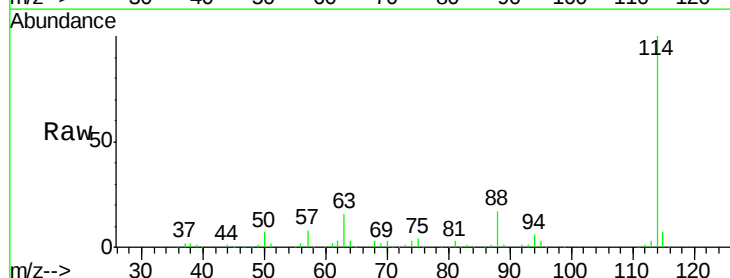
Tgt Ion: 114 Resp: 930328

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.4

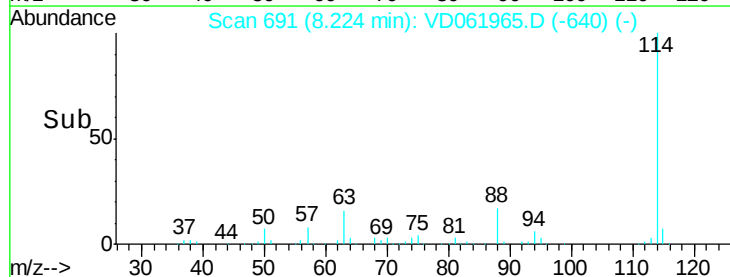
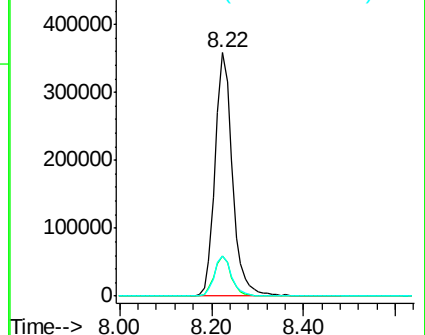
88 16.6 0.0 33.6

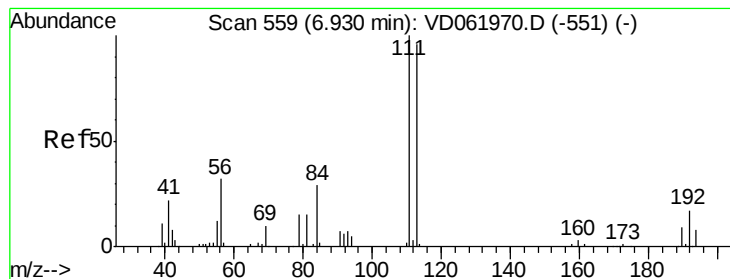


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

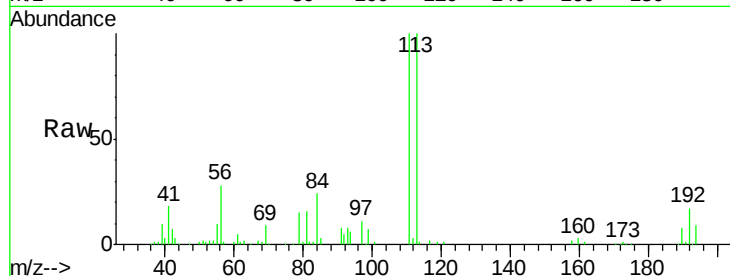
Tot Ion:113 Resp: 326546

Ion Ratio Lower Upper

113 100

111 100.5 78.5 117.7

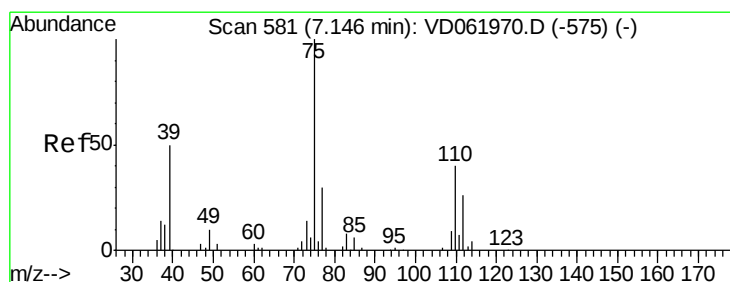
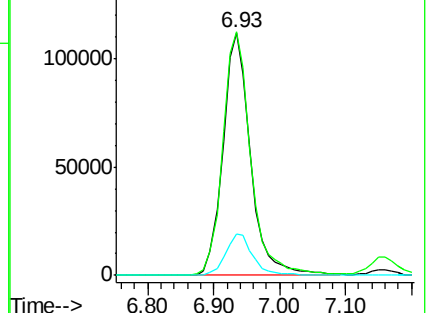
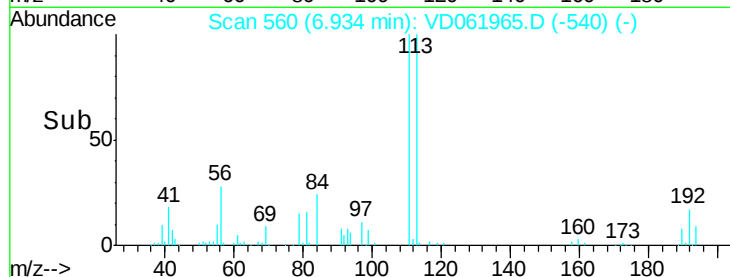
192 17.1 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 48.620 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

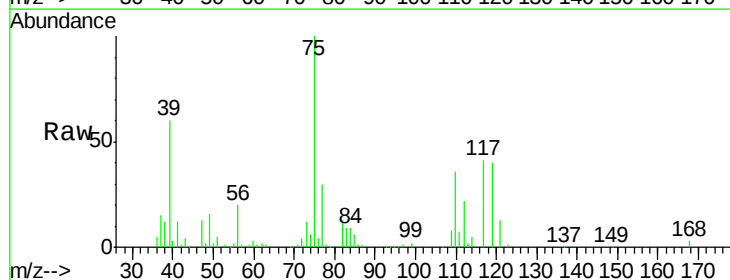
Tgt Ion: 75 Resp: 362364

Ion Ratio Lower Upper

75 100

110 35.7 19.1 57.1

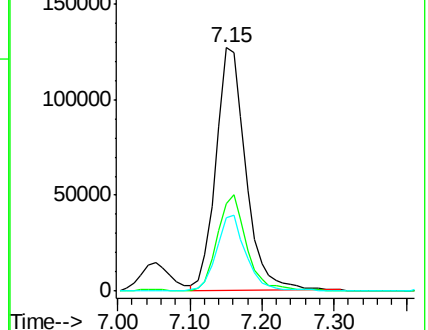
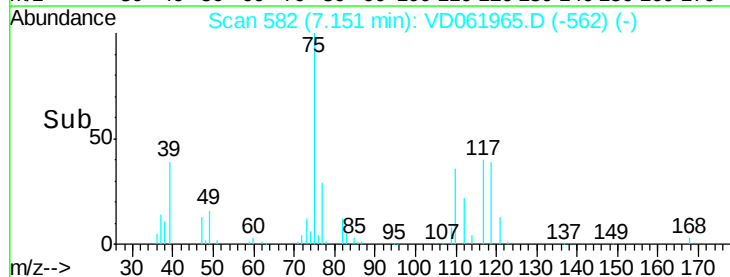
77 30.1 25.6 38.4

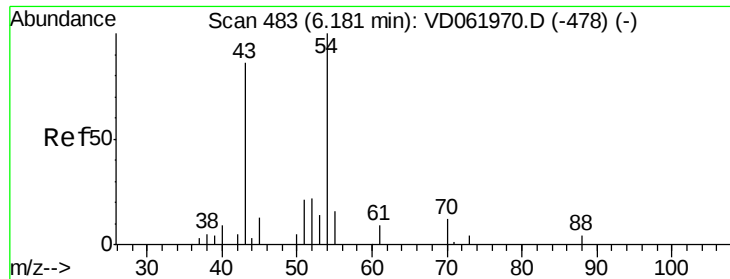


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

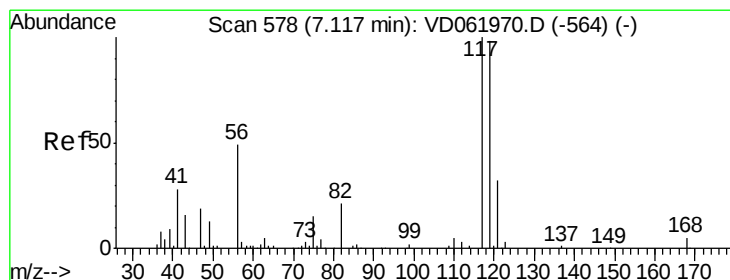
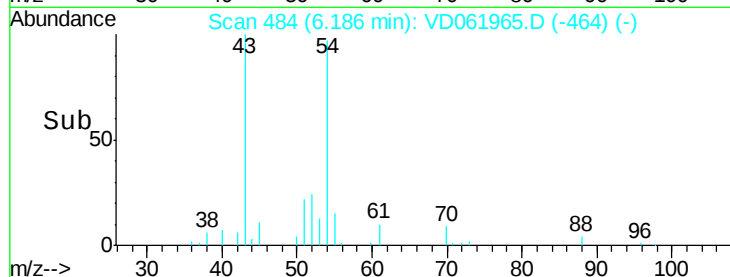
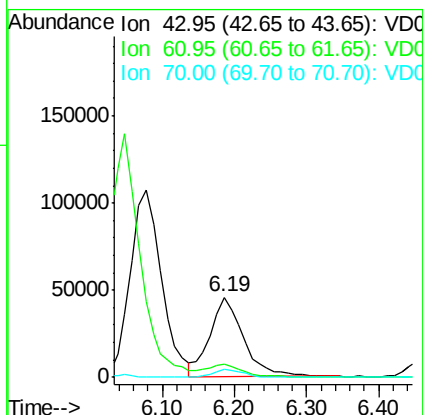
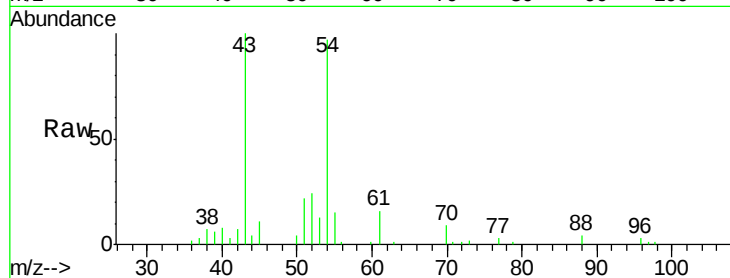




#37
Ethyl Acetate
Concen: 42.203 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

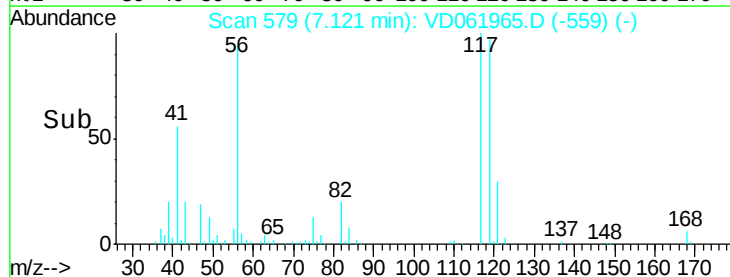
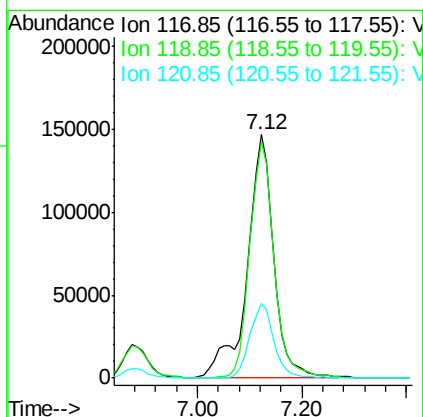
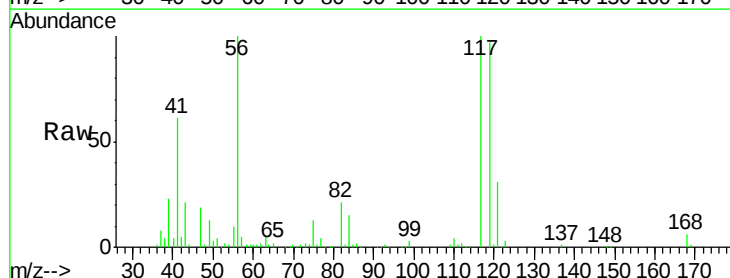
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 145224
Ion Ratio Lower Upper
43 100
61 16.1 14.7 22.1
70 9.4 7.8 11.6



#38
Carbon Tetrachloride
Concen: 53.036 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 117 Resp: 504662
Ion Ratio Lower Upper
117 100
119 97.0 75.8 113.8
121 30.5 25.9 38.9





#39

Methvlcvclohexane

Concen: 47.110 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

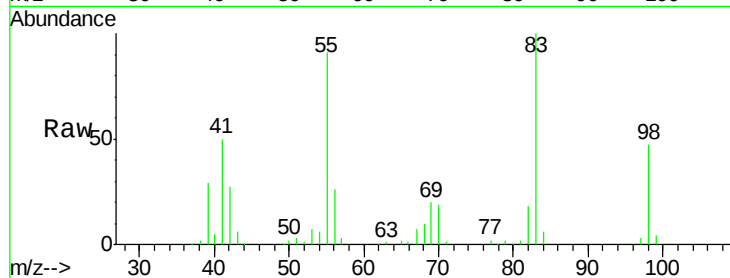
Tot Ion: 83 Resp: 346355

Ion Ratio Lower Upper

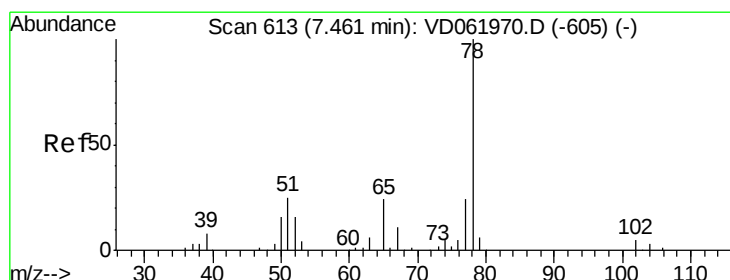
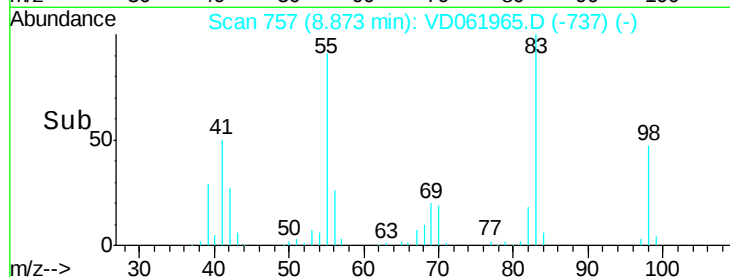
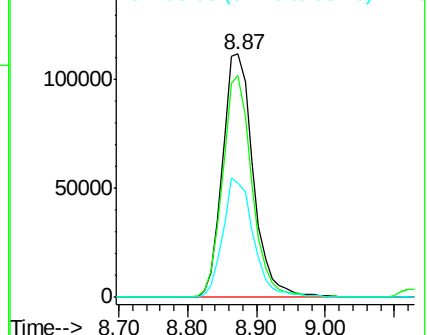
83 100

55 91.1 68.2 102.4

98 46.9 38.2 57.4



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: 47.689 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.00 min

Lab File: VD061965.D

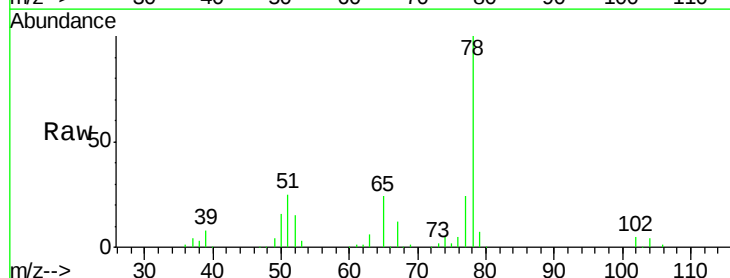
Acq: 23 Apr 2019 11:55

Tgt Ion: 78 Resp: 893324

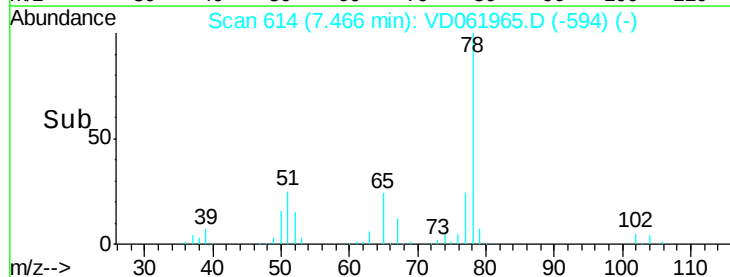
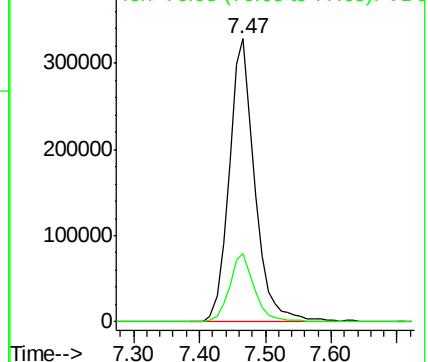
Ion Ratio Lower Upper

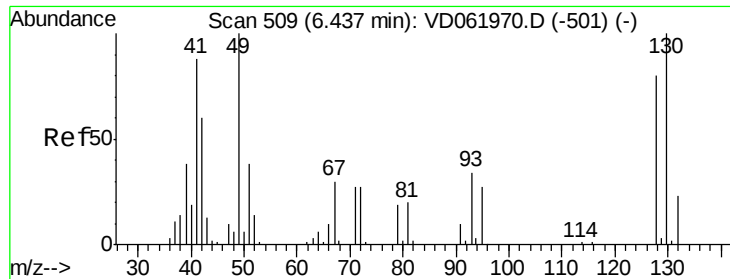
78 100

77 23.9 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

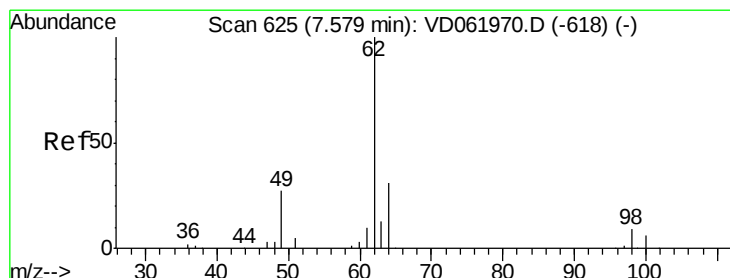
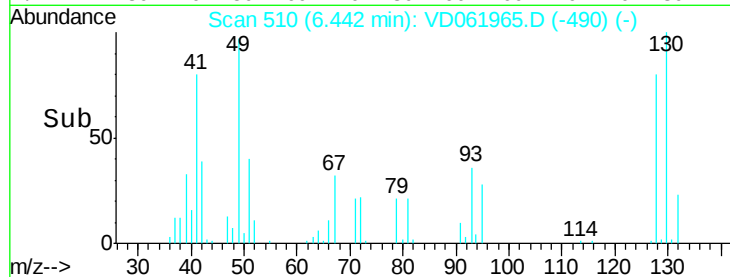
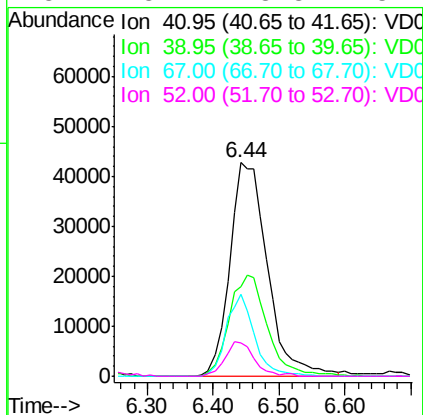
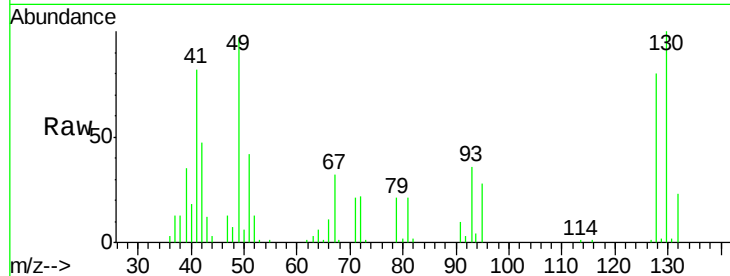




#41
Methacrylonitrile
Concen: 41.993 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

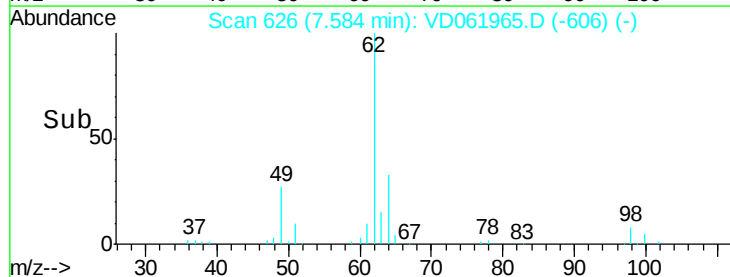
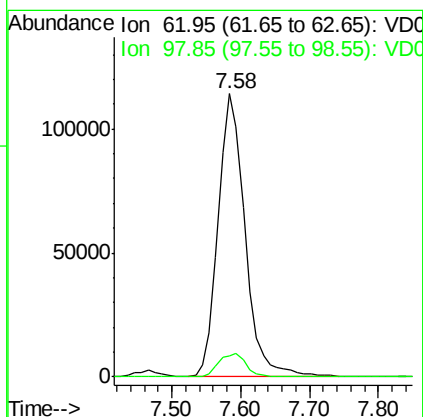
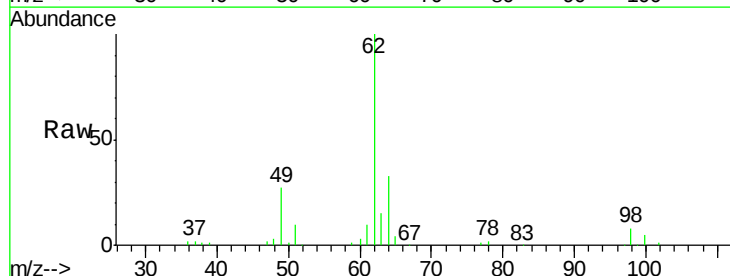
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

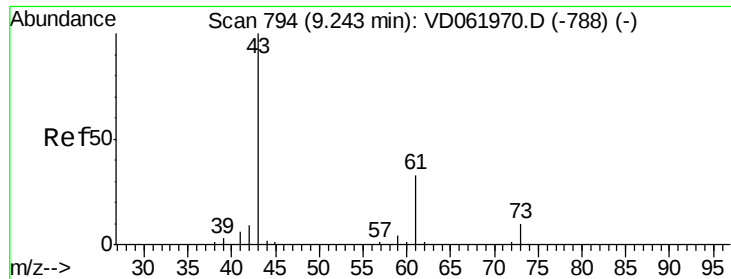
Tot Ion: 41 Resp: 171031
Ion Ratio Lower Upper
41 100
39 42.0 34.1 51.1
67 38.5 23.8 35.6#
52 15.7 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 45.133 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 62 Resp: 310382
Ion Ratio Lower Upper
62 100
98 7.5 0.0 17.8



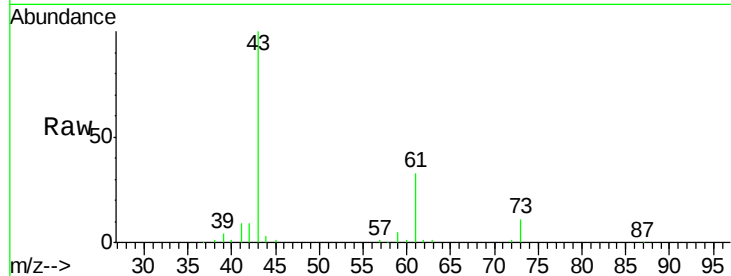


#43

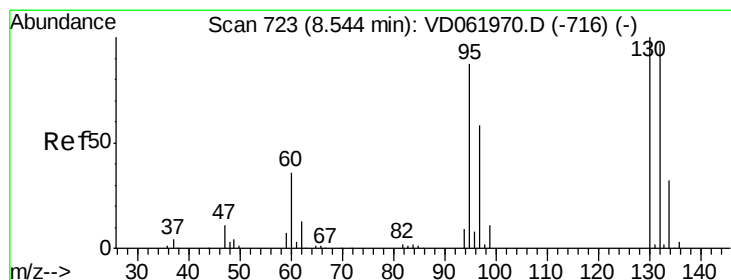
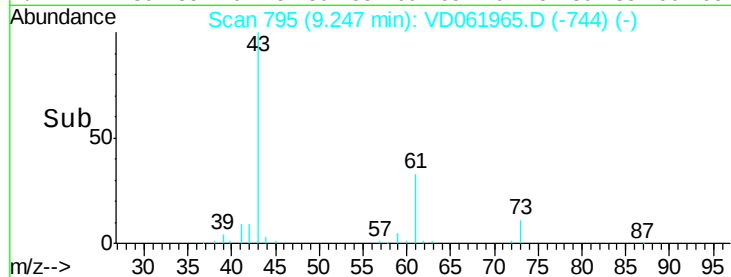
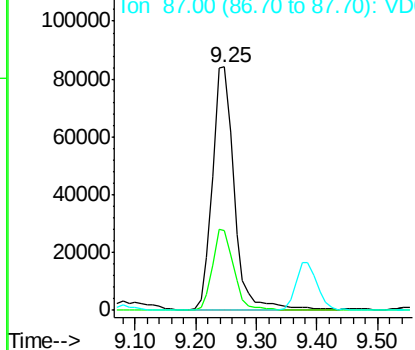
Isopropyl Acetate
 Concen: 42.567 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 213406
 Ion Ratio Lower Upper
 43 100
 61 32.9 25.1 37.7
 87 0.4 0.0 0.0#



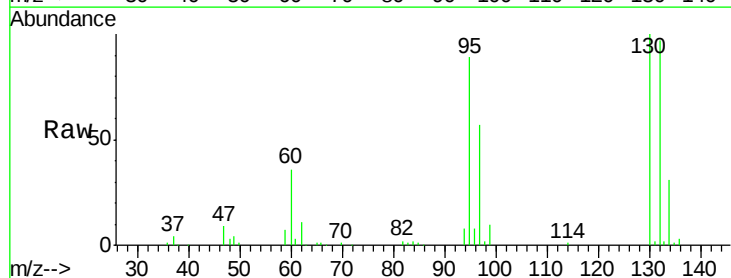
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



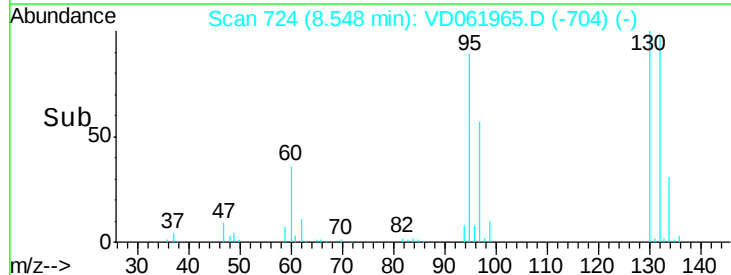
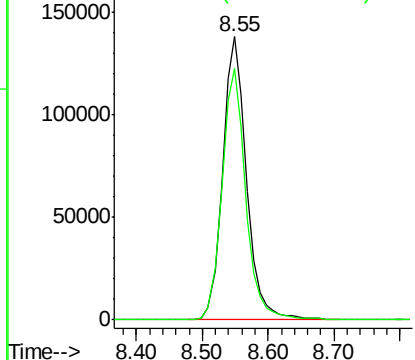
#44

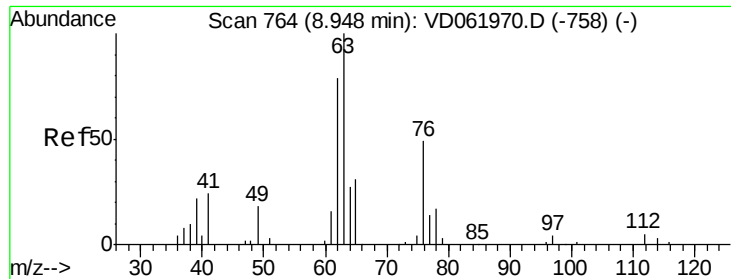
Trichloroethene
 Concen: 50.007 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion:130 Resp: 347999
 Ion Ratio Lower Upper
 130 100
 95 88.9 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 50.218 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

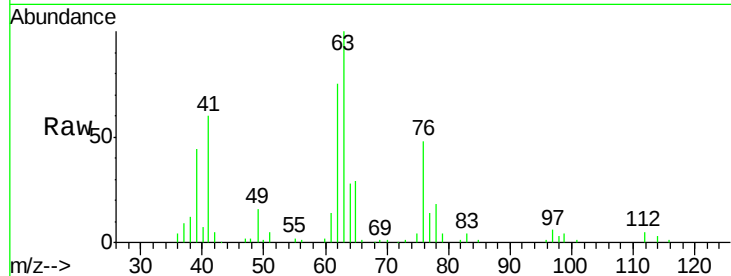
VSTDICCC050

Tot Ion: 63 Resp: 239867

Ion Ratio Lower Upper

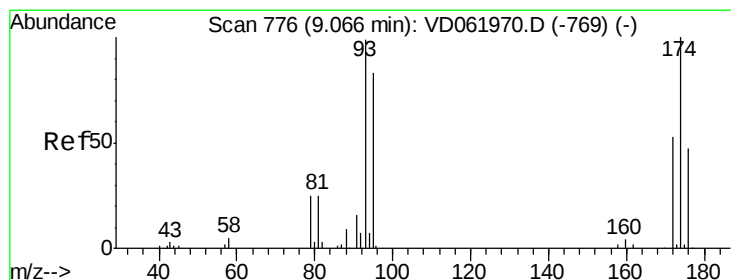
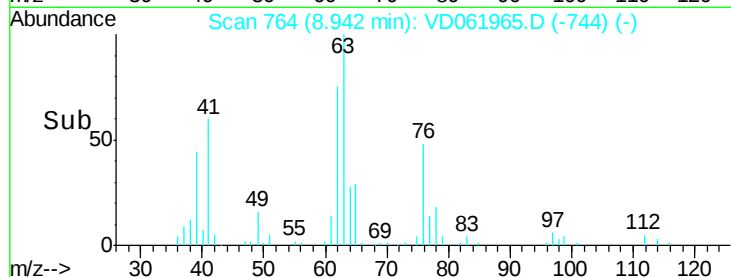
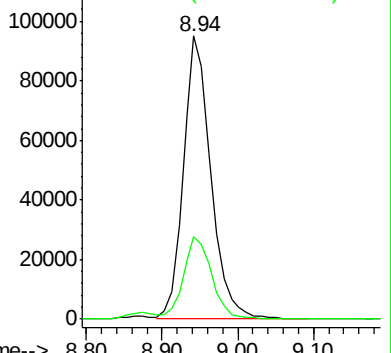
63 100

65 29.0 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 45.662 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

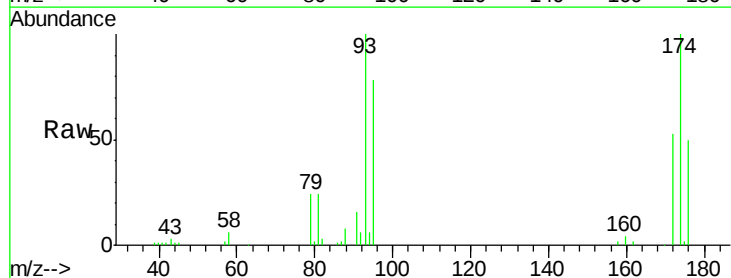
Tgt Ion: 93 Resp: 165468

Ion Ratio Lower Upper

93 100

95 78.0 64.8 97.2

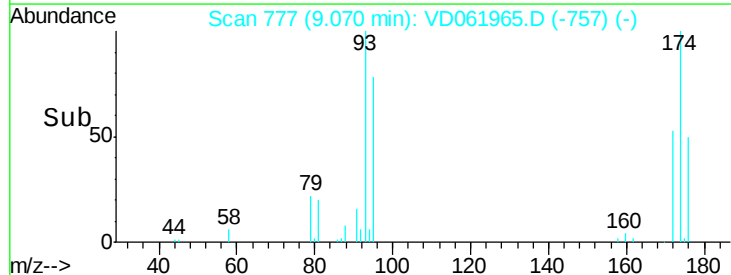
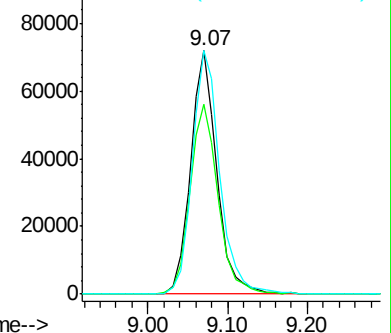
174 99.9 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 47.694 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

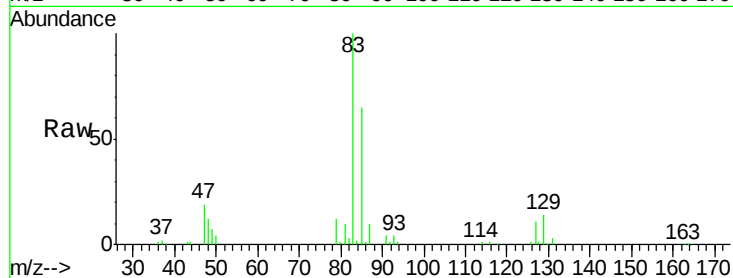
Tot Ion: 83 Resp: 396030

Ion Ratio Lower Upper

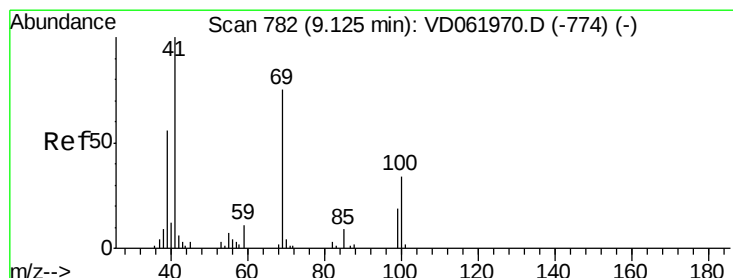
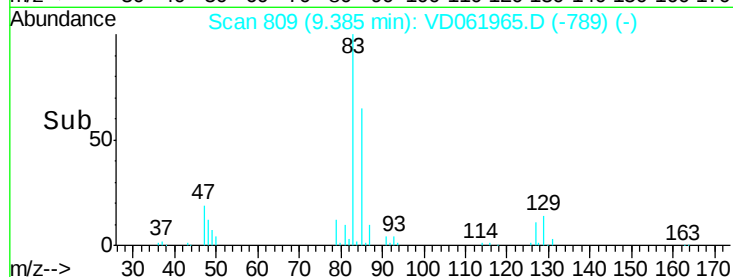
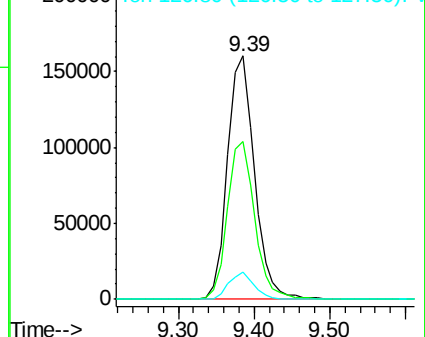
83 100

85 64.9 50.9 76.3

127 11.3 8.1 12.1



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: 46.144 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

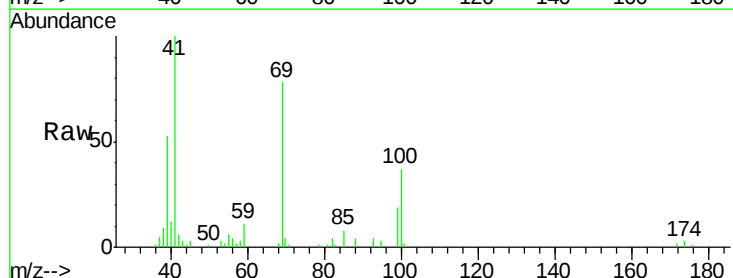
Tgt Ion: 41 Resp: 131990

Ion Ratio Lower Upper

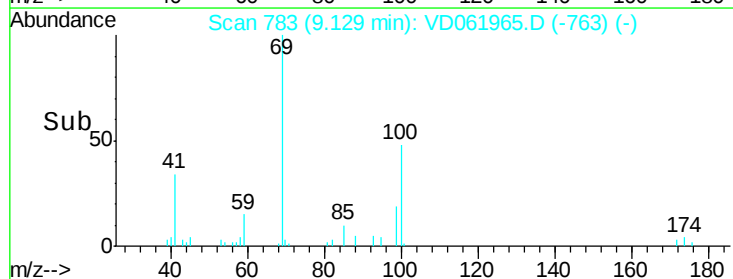
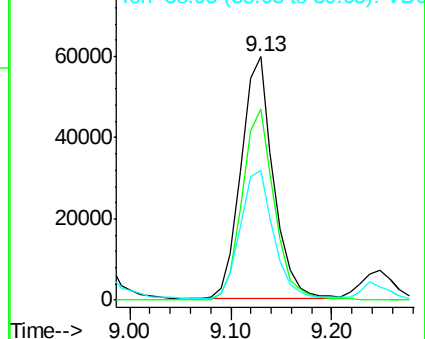
41 100

69 78.4 64.2 96.2

39 53.1 46.8 70.2



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

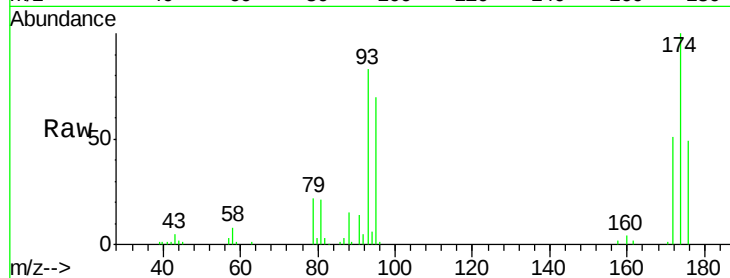




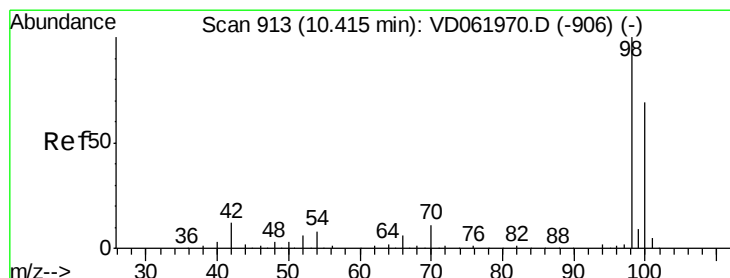
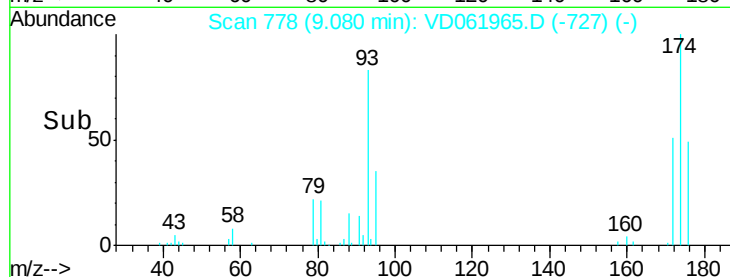
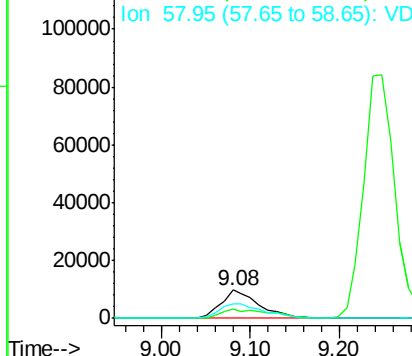
#49
1,4-Dioxane
Concen: 967.295 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 28590
Ion Ratio Lower Upper
88 100
43 33.4 23.4 35.0
58 51.0 44.0 66.0

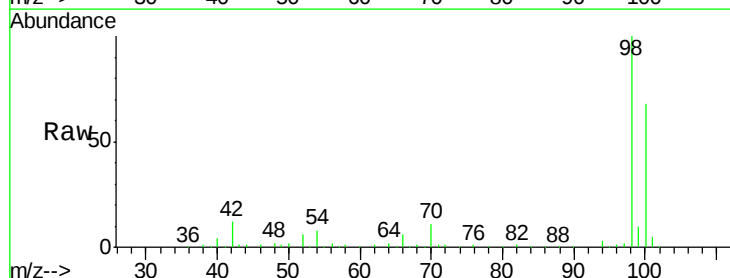


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

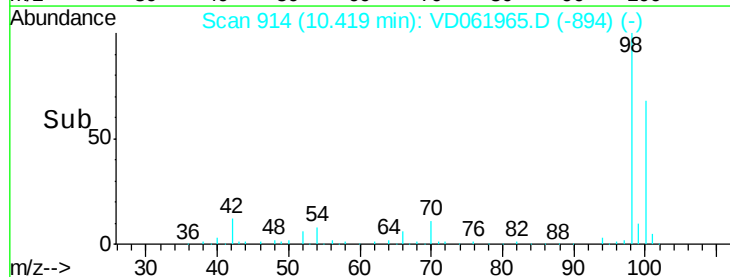
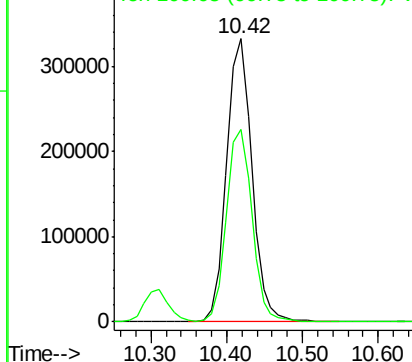


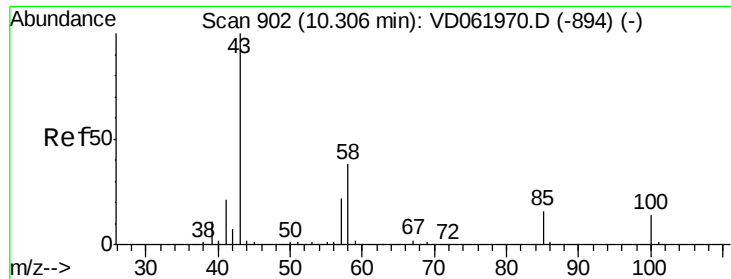
#50
Toluene-d8
Concen: 967.295 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 98 Resp: 772378
Ion Ratio Lower Upper
98 100
100 68.0 53.8 80.8



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: 207.898 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

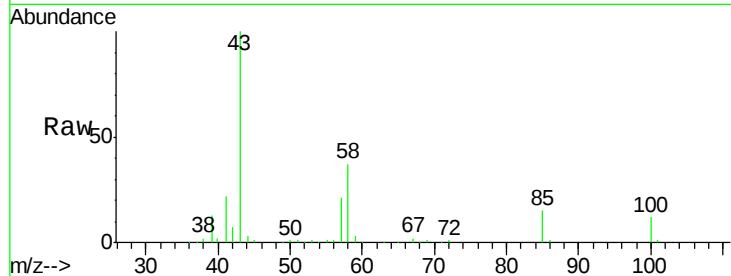
VSTDICCC050

Tot Ion: 43 Resp: 665871

Ion Ratio Lower Upper

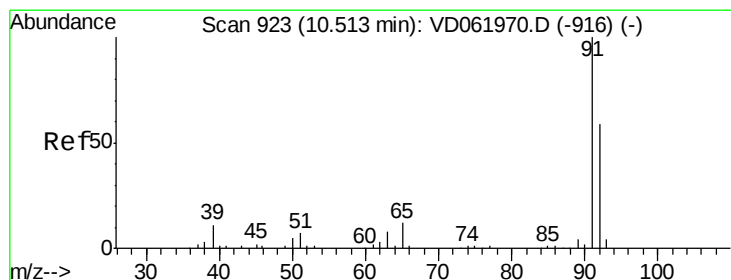
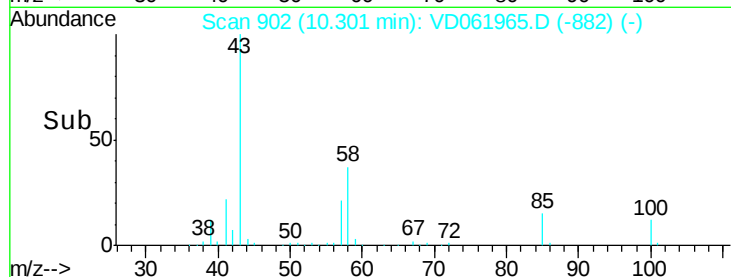
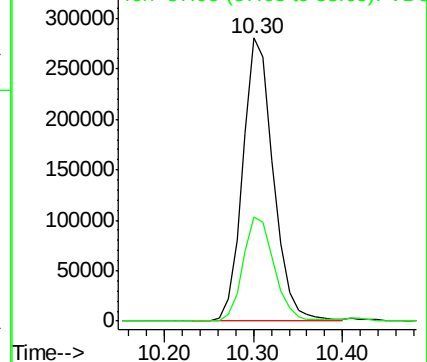
43 100

58 37.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.733 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD061965.D

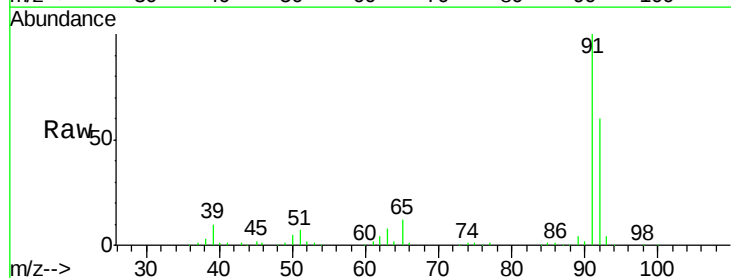
Acq: 23 Apr 2019 11:55

Tgt Ion: 92 Resp: 563226

Ion Ratio Lower Upper

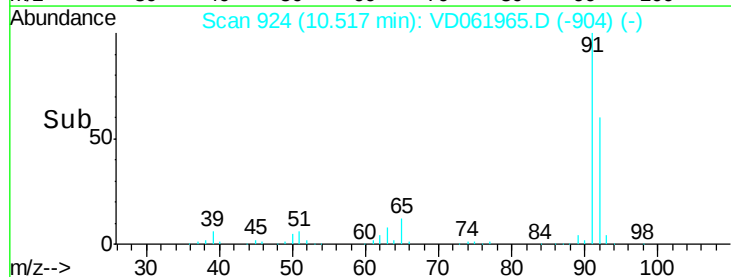
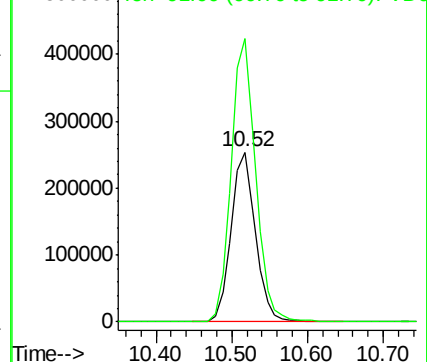
92 100

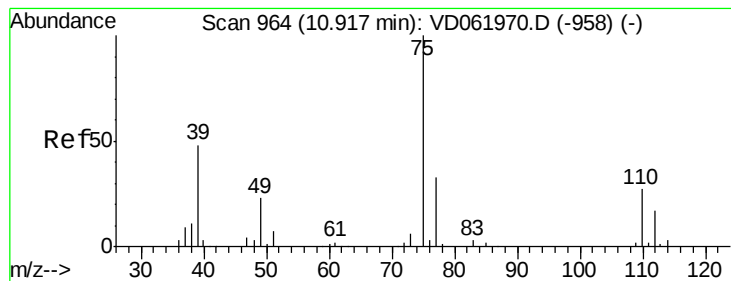
91 167.0 136.6 204.8



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: 46.780 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

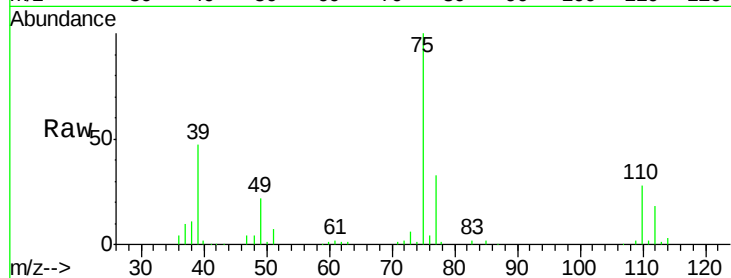
VSTDICCC050

Tot Ion: 75 Resp: 344879

Ion Ratio Lower Upper

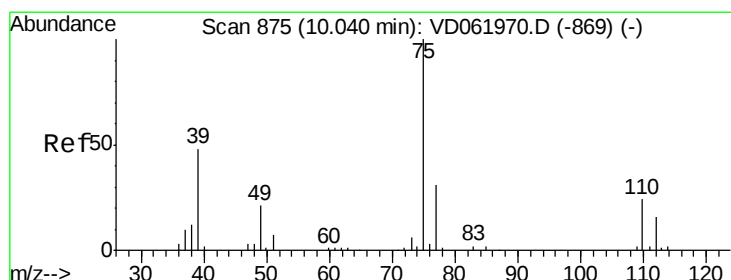
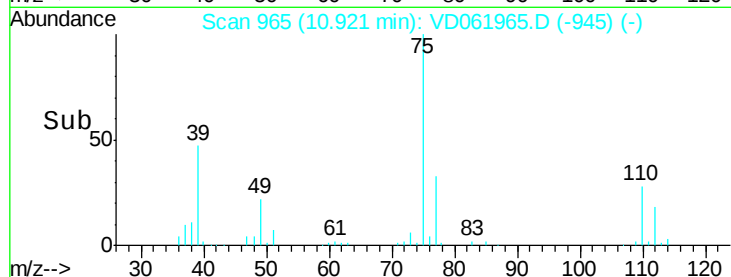
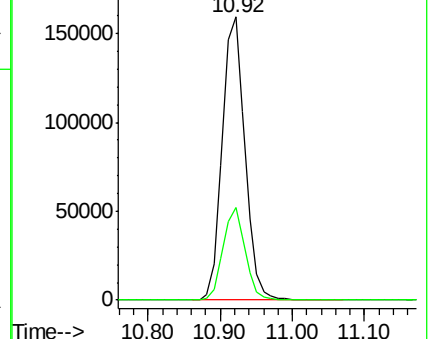
75 100

77 32.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 48.279 ug/l

RT: 10.04 min Scan# 876

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

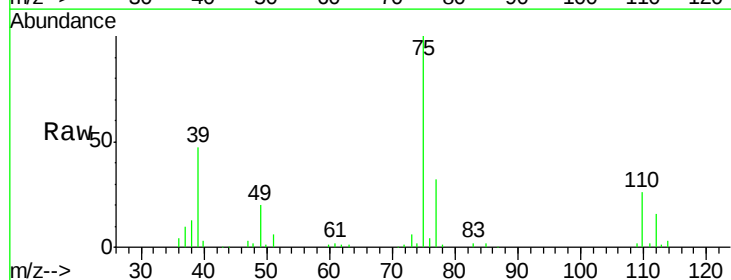
Tgt Ion: 75 Resp: 413494

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

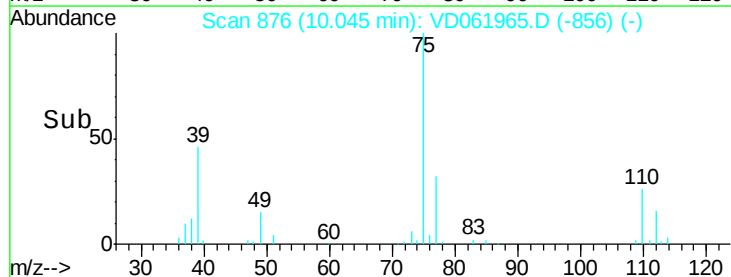
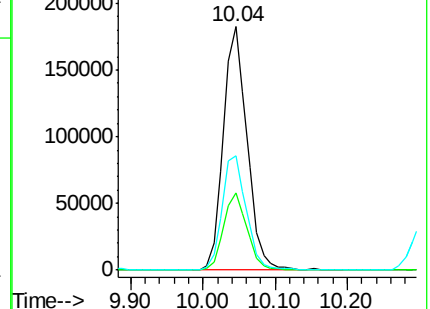
39 46.9 39.4 59.2

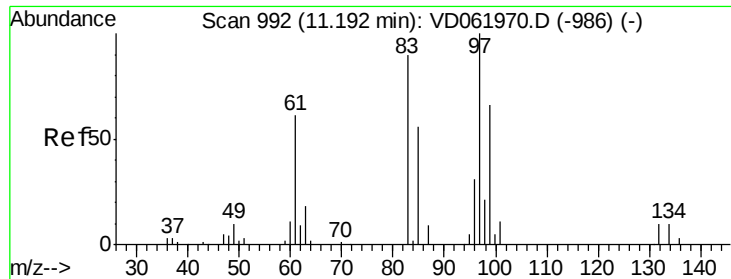


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

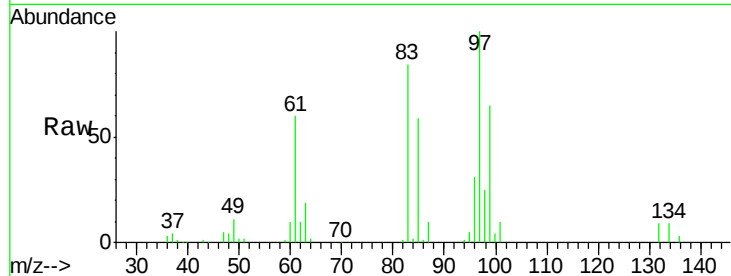




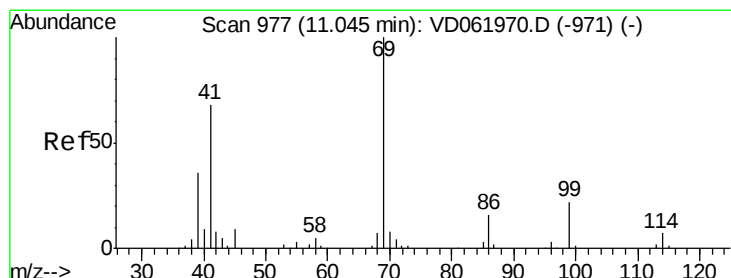
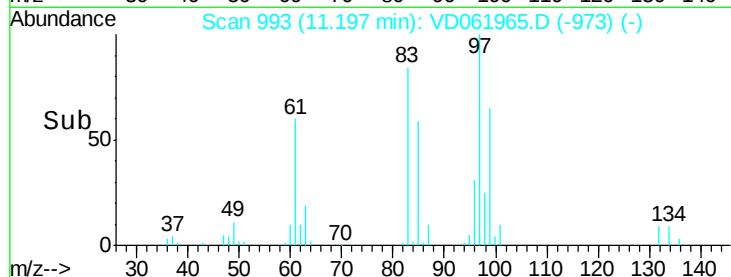
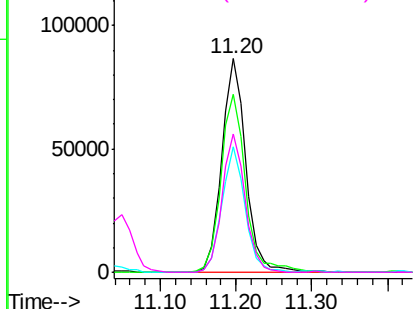
#55
 1,1,2-Trichloroethane
 Concen: 43.705 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	189551
Ion	Ratio	Lower	Upper
97	100		
83	83.6	65.7	98.5
85	58.5	45.6	68.4
99	64.6	48.4	72.6

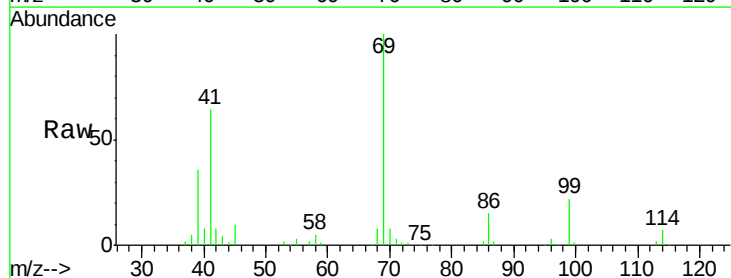


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

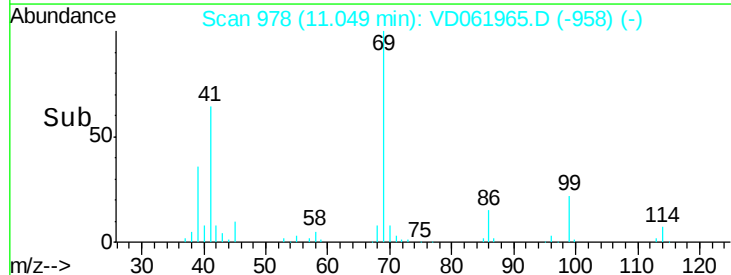
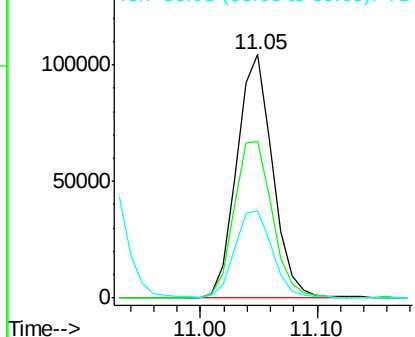


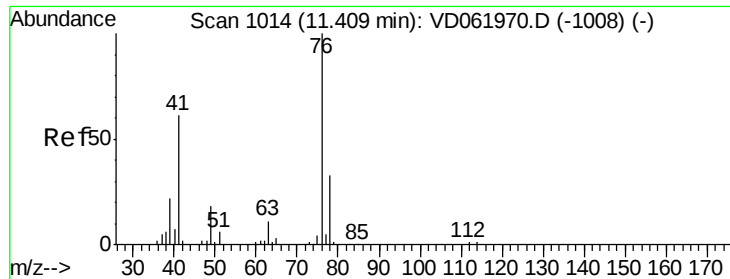
#56
 Ethyl methacrylate
 Concen: 48.250 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion:	69	Resp:	222286
Ion	Ratio	Lower	Upper
69	100		
41	64.4	56.3	84.5
39	35.8	29.4	44.2



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





#57

1,3-Dichloropropane

Concen: 43.842 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

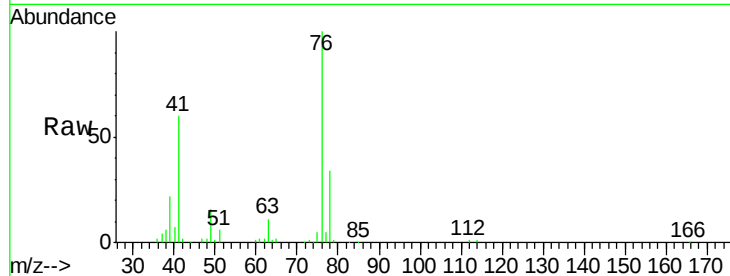
VSTDICCC050

Tot Ion: 76 Resp: 283315

Ion Ratio Lower Upper

76 100

78 34.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

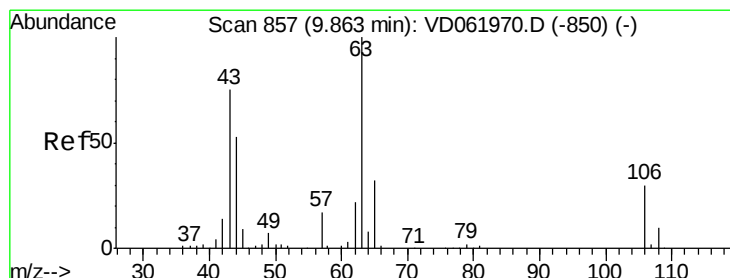
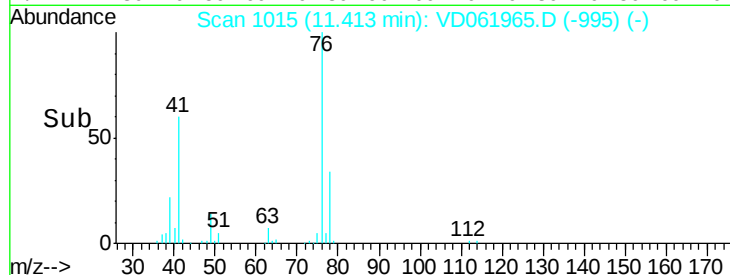
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 199.379 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.00 min

Lab File: VD061965.D

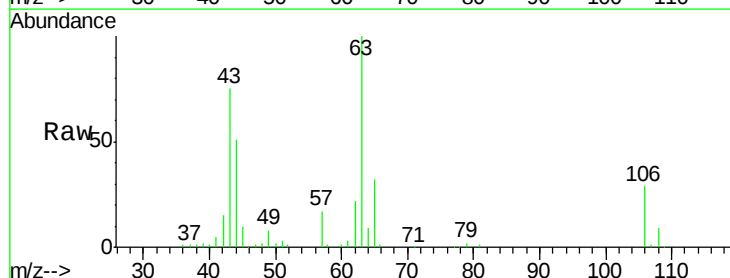
Acq: 23 Apr 2019 11:55

Tgt Ion: 63 Resp: 440708

Ion Ratio Lower Upper

63 100

106 29.3 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

200000

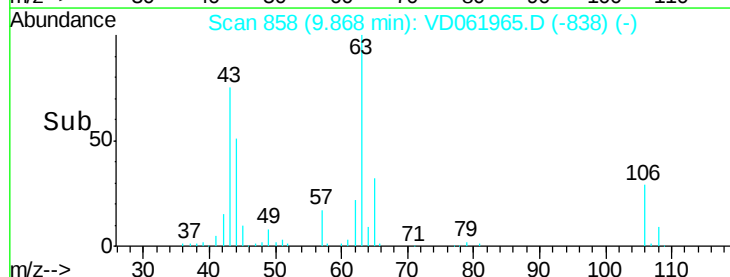
150000

100000

50000

0

Time-->

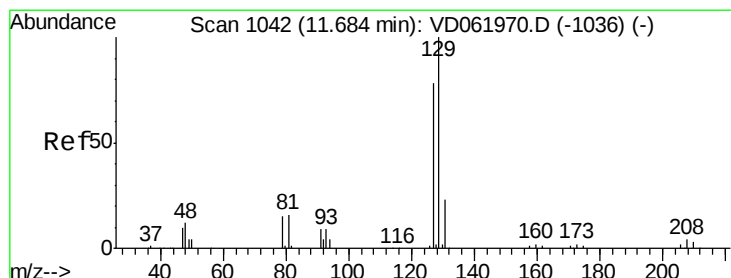
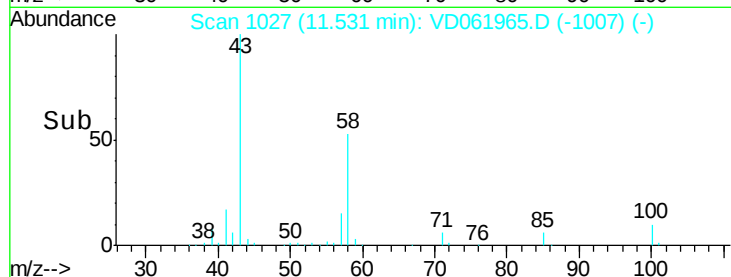
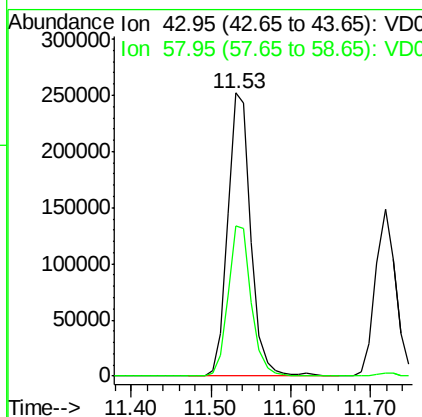
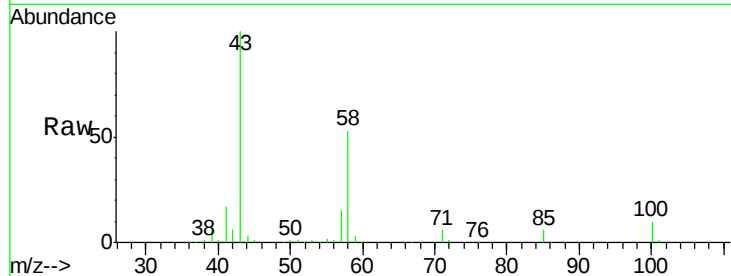




#59
2-Hexanone
Concen: 227.753 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

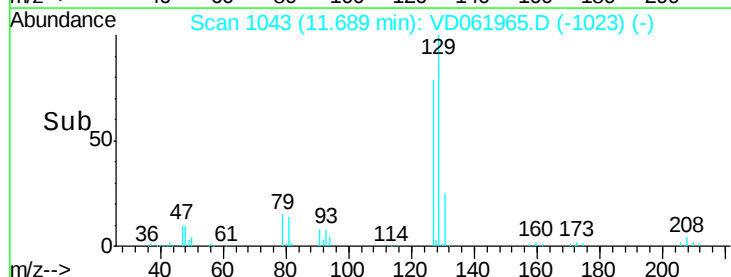
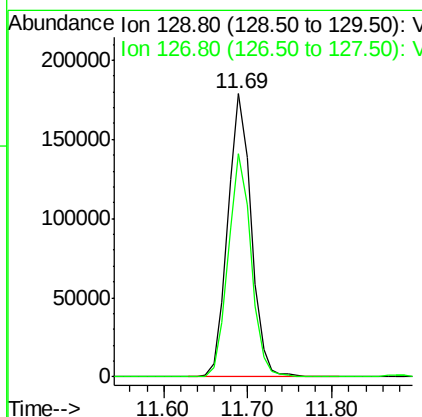
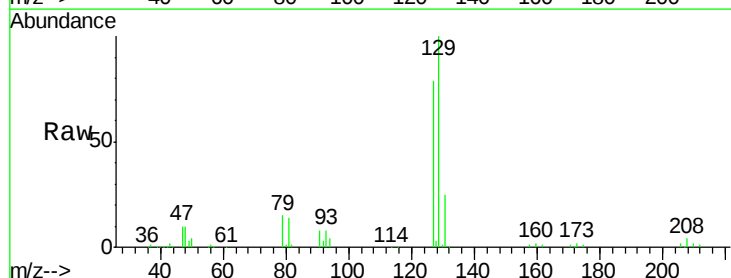
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

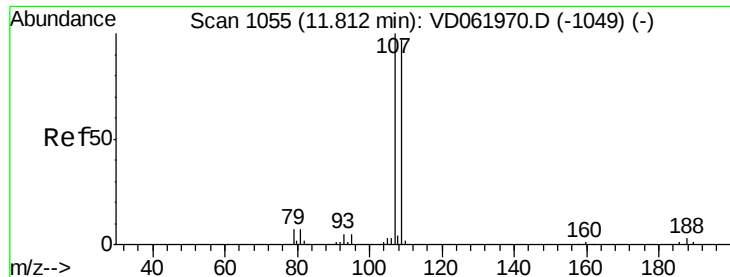
Tot Ion: 43 Resp: 513186
Ion Ratio Lower Upper
43 100
58 53.1 25.4 76.4



#60
Dibromochloromethane
Concen: 49.528 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 129 Resp: 345786
Ion Ratio Lower Upper
129 100
127 79.0 38.0 113.9

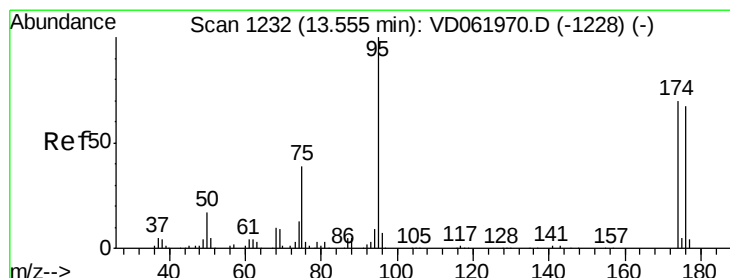
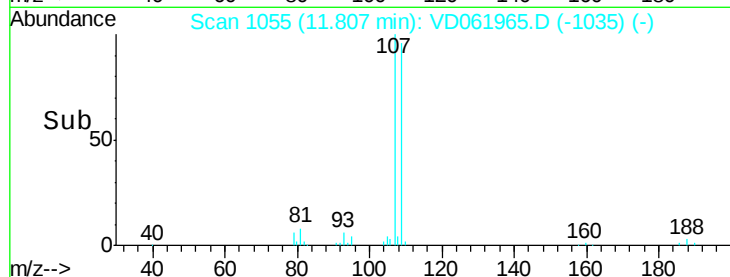
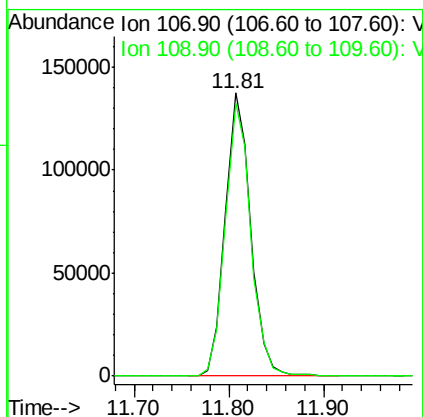
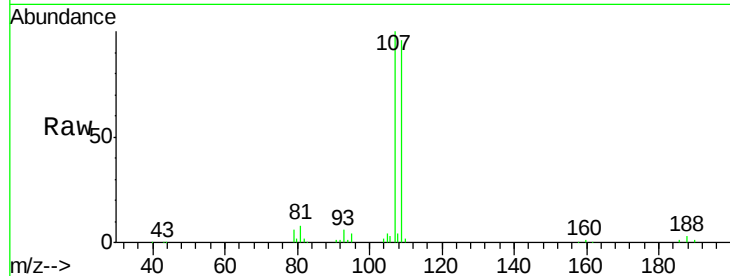




#61
 1,2-Dibromoethane
 Concen: 49.161 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

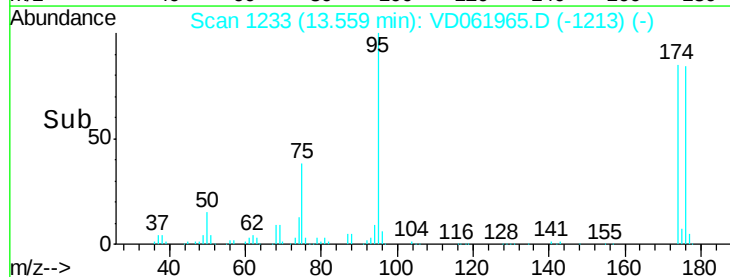
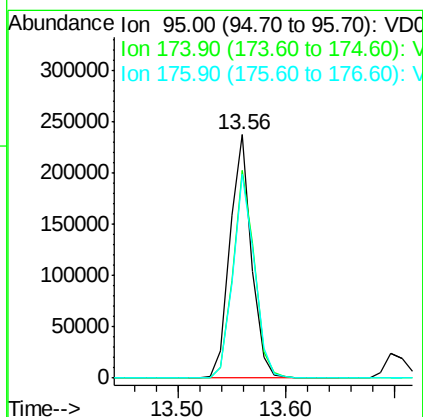
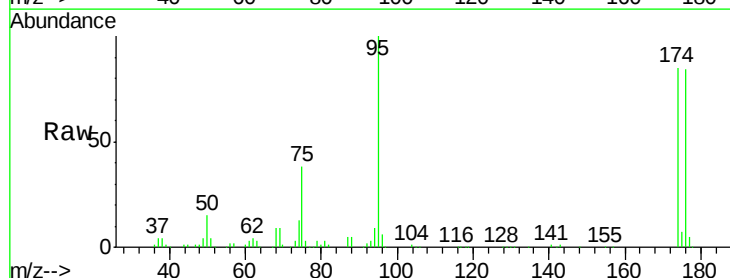
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

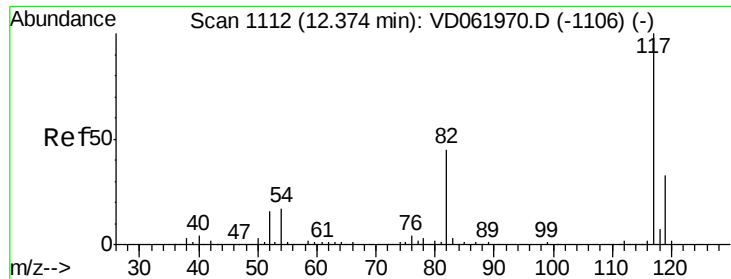
Tot Ion:107 Resp: 255474
 Ion Ratio Lower Upper
 107 100
 109 96.4 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 49.161 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion: 95 Resp: 327843
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 181.8
 176 84.0 0.0 174.4

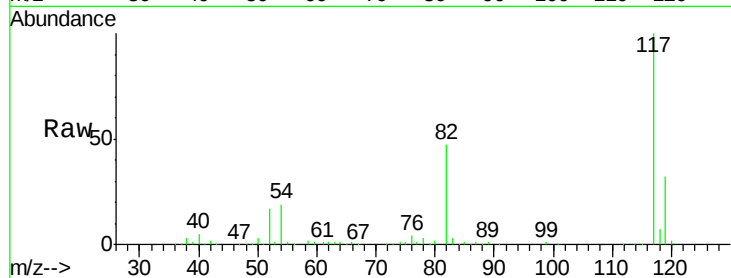




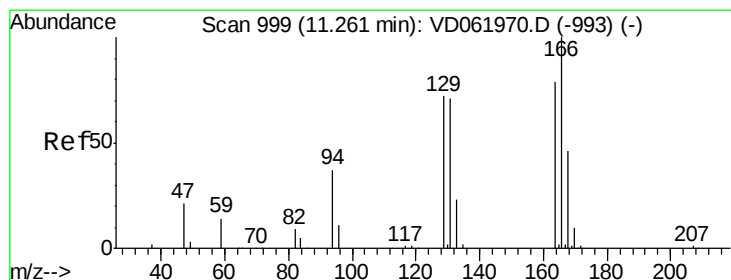
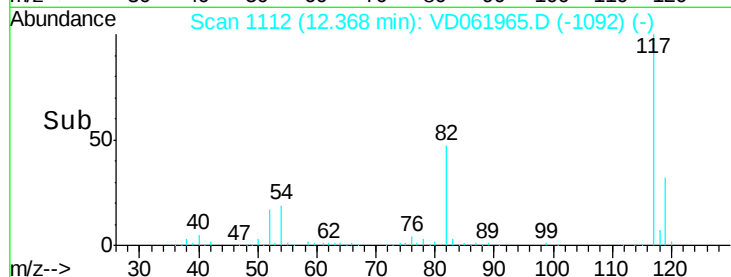
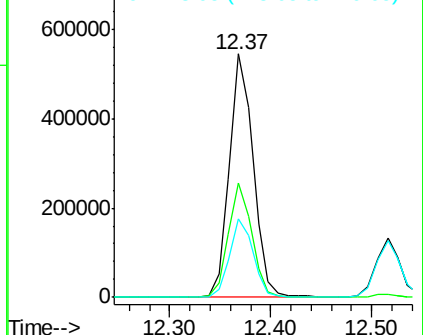
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 894968
Ion Ratio Lower Upper
117 100
82 47.2 36.2 54.2
119 32.4 26.2 39.4

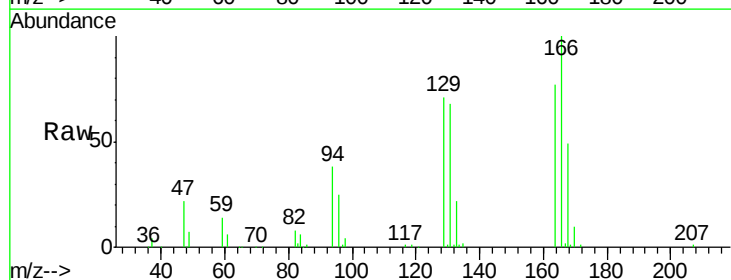


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

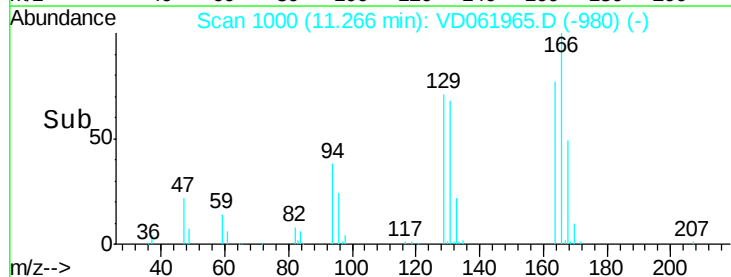
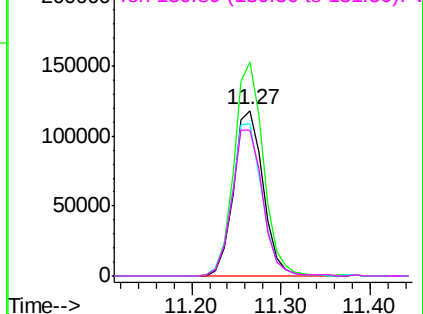


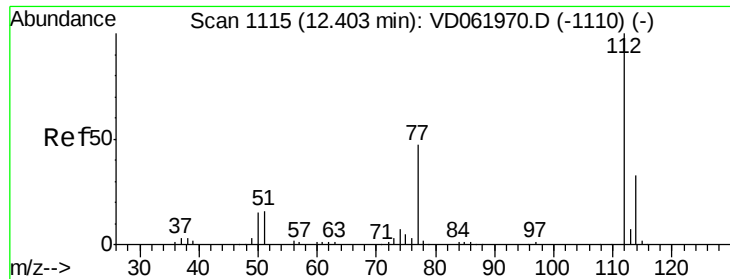
#64
Tetrachloroethene
Concen: 42.088 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion:164 Resp: 274280
Ion Ratio Lower Upper
164 100
166 129.2 101.5 152.3
129 92.2 74.6 112.0
131 88.1 72.6 108.8



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

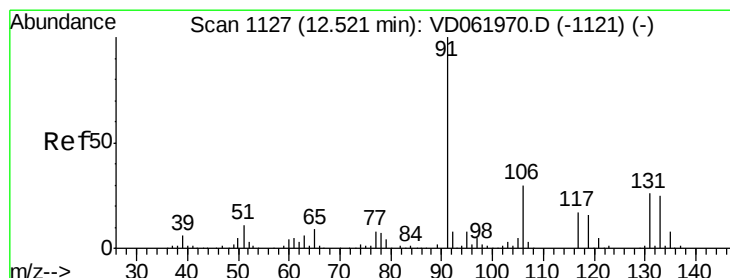
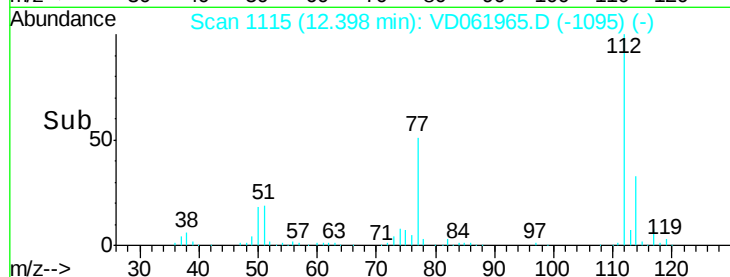
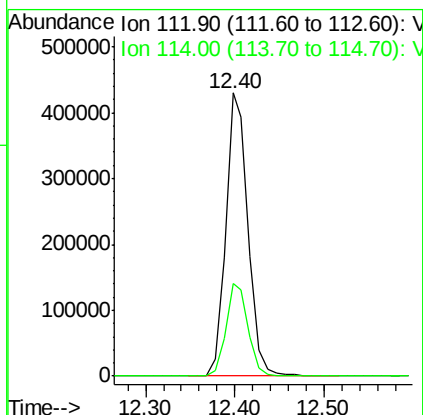
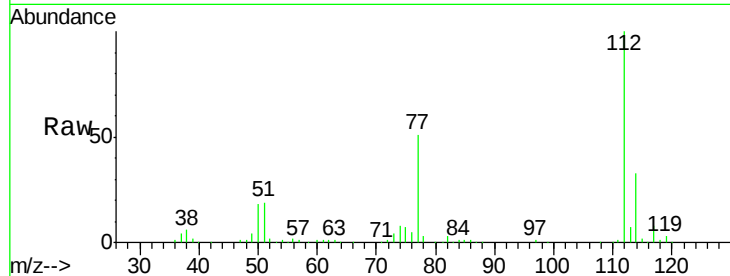




#65
Chlorobenzene
Concen: 43.832 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

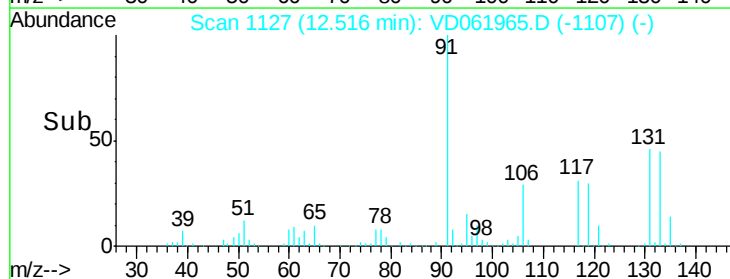
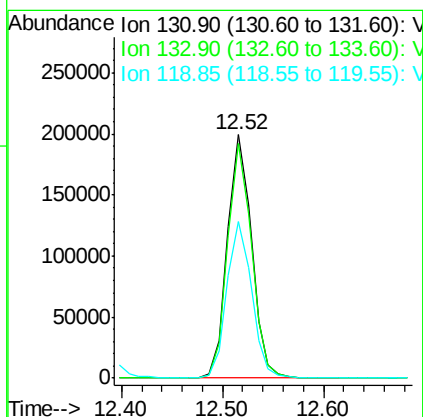
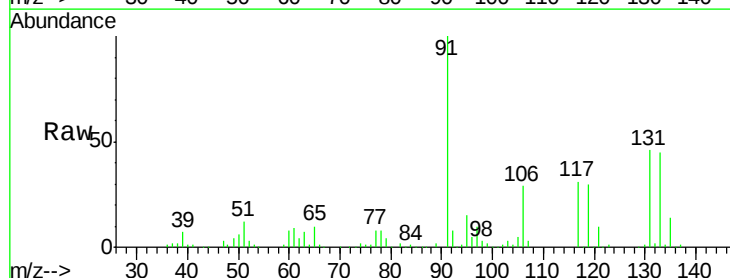
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 752877
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 46.906 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion:131 Resp: 332575
Ion Ratio Lower Upper
131 100
133 96.6 48.6 145.8
119 64.5 34.7 104.1

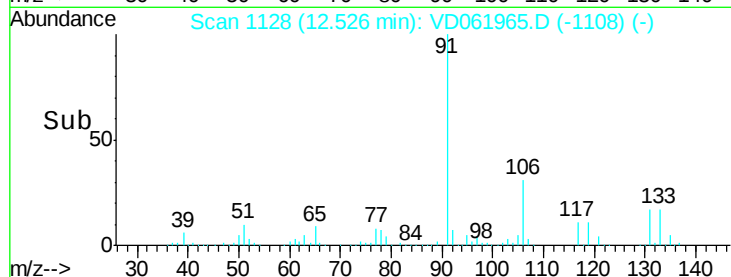
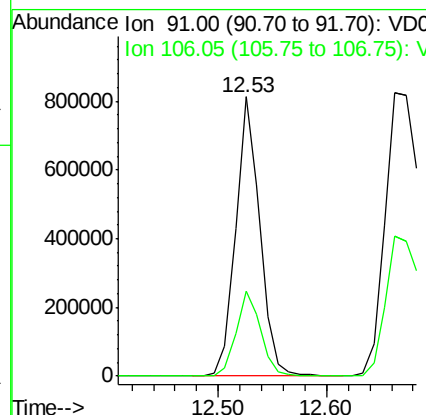
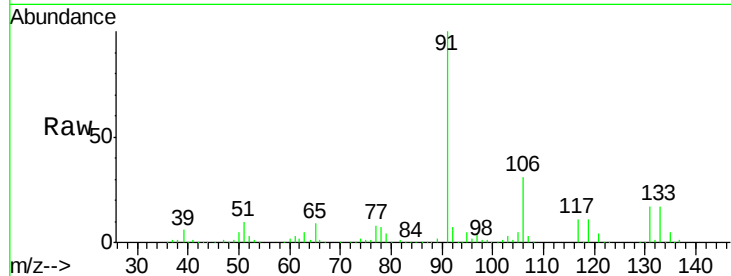




#67
Ethyl Benzene
Concen: 48.068 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

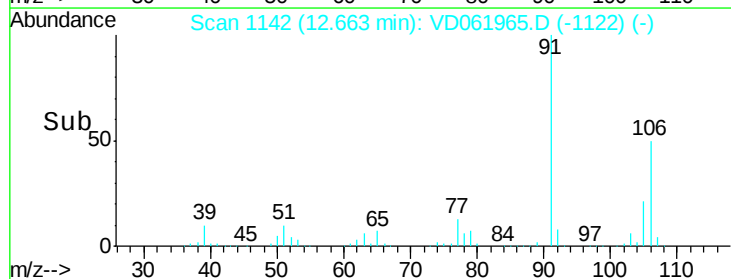
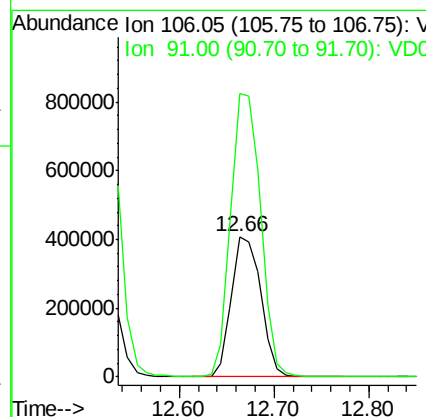
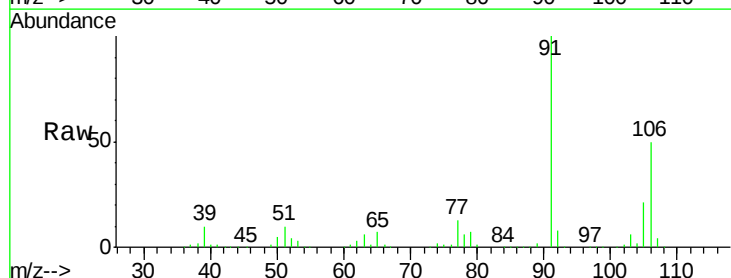
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

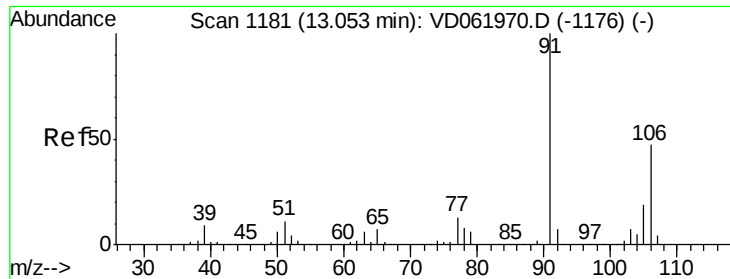
Tot Ion: 91 Resp: 1253595
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 88.620 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 106 Resp: 884026
Ion Ratio Lower Upper
106 100
91 201.8 164.0 246.0

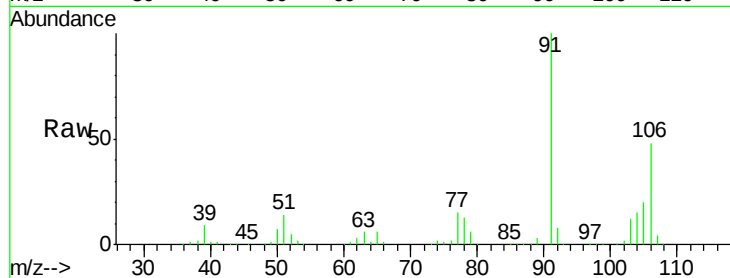




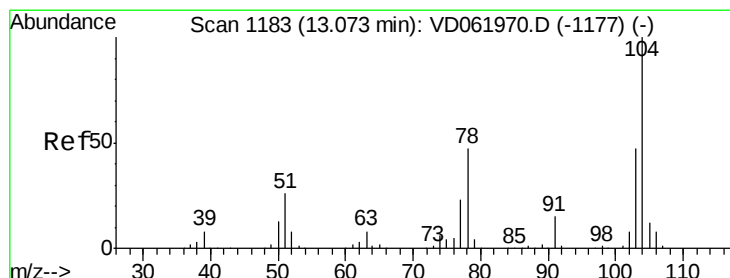
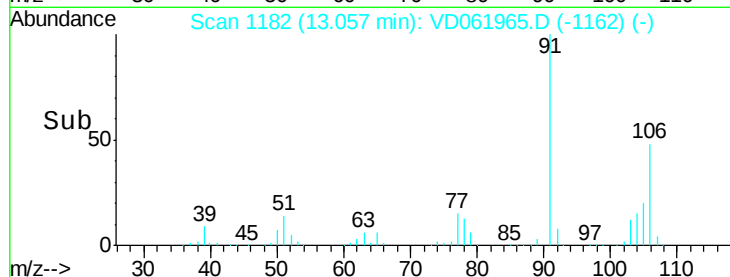
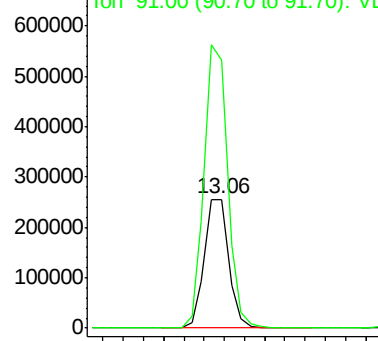
#69
o-Xylene
Concen: 45.136 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 428509
Ion Ratio Lower Upper
106 100
91 207.9 106.7 319.9

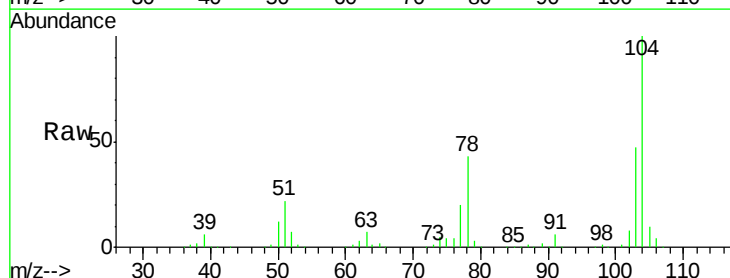


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

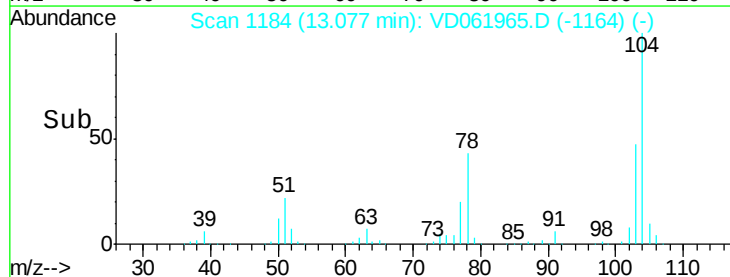
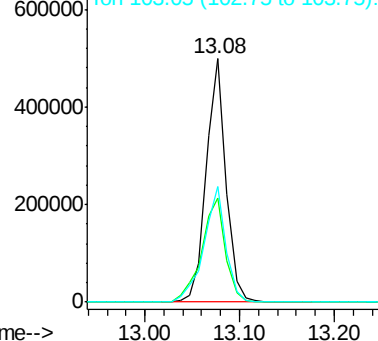


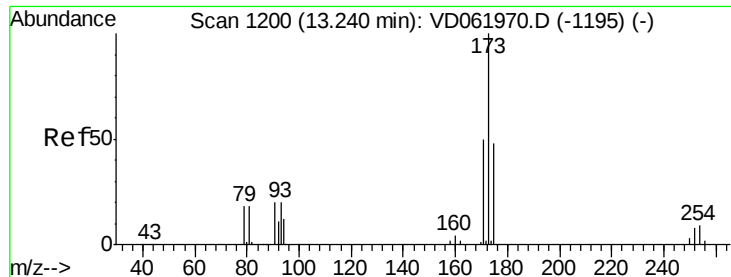
#70
Styrene
Concen: 43.824 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion:104 Resp: 719963
Ion Ratio Lower Upper
104 100
78 42.7 35.4 53.2
103 47.3 37.5 56.3



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: 44.446 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

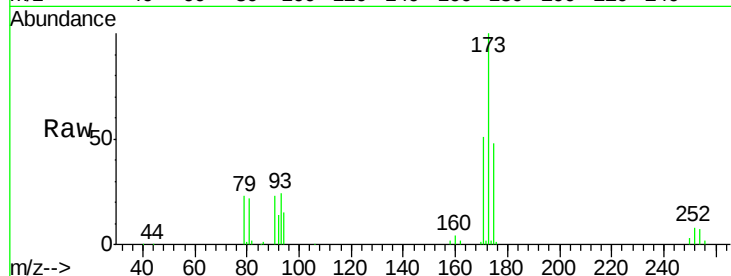
Tot Ion:173 Resp: 194525

Ion Ratio Lower Upper

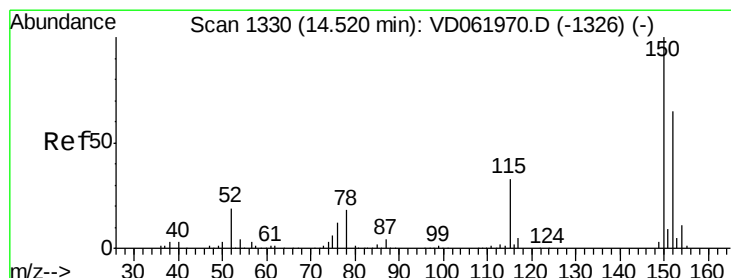
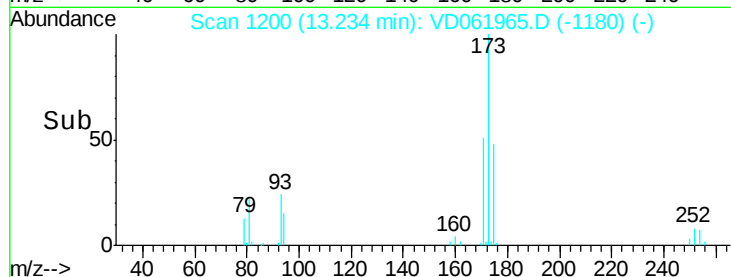
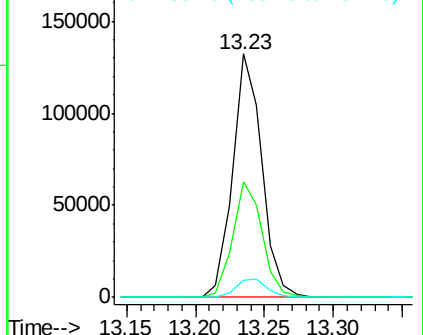
173 100

175 47.5 24.4 73.4

254 7.0 5.4 8.2



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: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

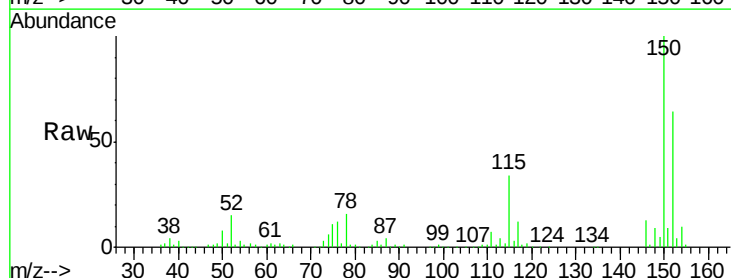
Tgt Ion:152 Resp: 372834

Ion Ratio Lower Upper

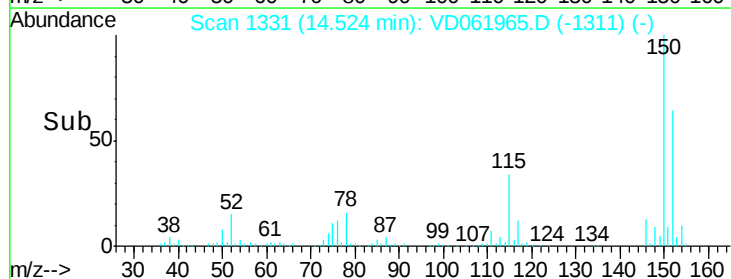
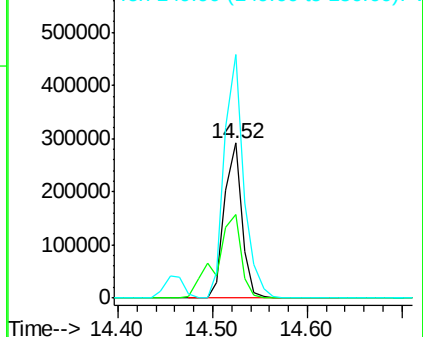
152 100

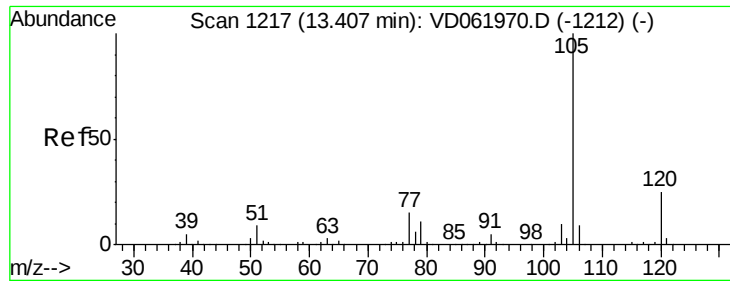
115 53.6 30.9 92.7

150 156.9 0.0 314.8



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: 45.562 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

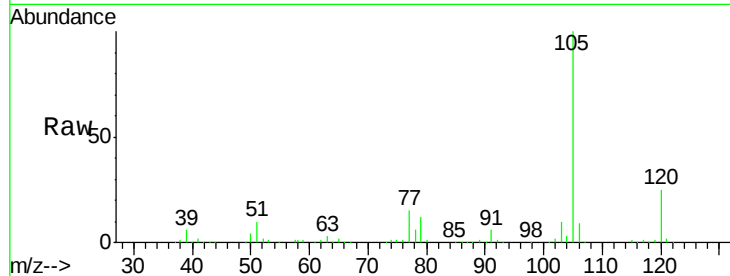
VSTDICCC050

Tot Ion:105 Resp: 1083226

Ion Ratio Lower Upper

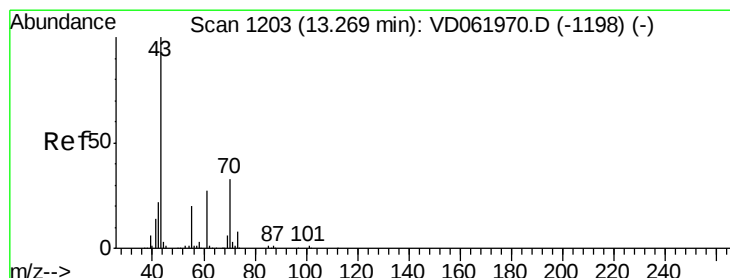
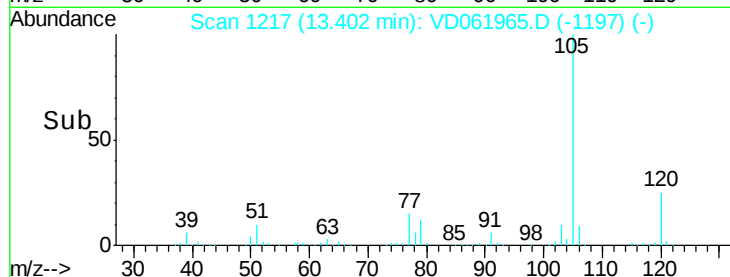
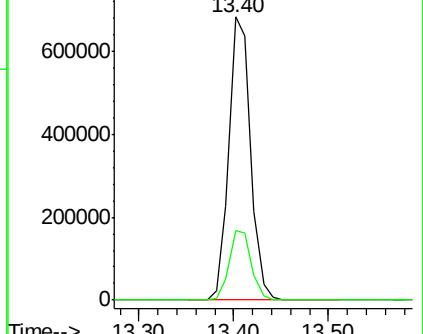
105 100

120 24.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.292 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Tgt Ion: 43 Resp: 312287

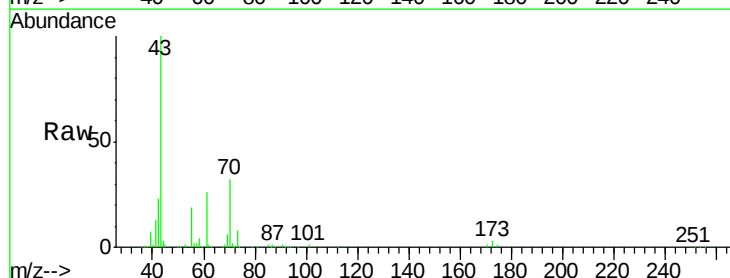
Ion Ratio Lower Upper

43 100

70 32.4 24.2 36.4

55 19.0 16.0 24.0

61 26.5 21.6 32.4

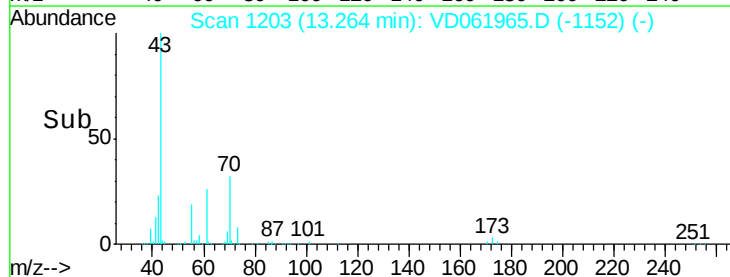
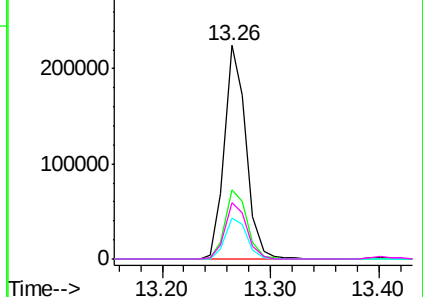


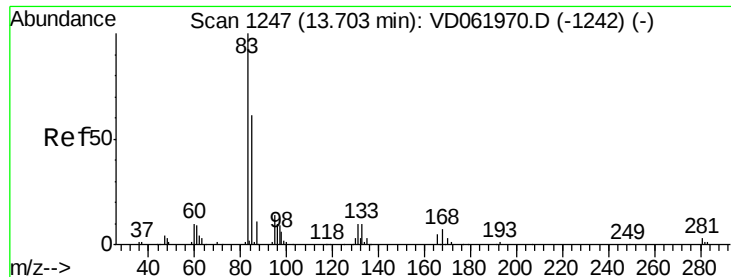
Abundance Ion 42.95 (42.65 to 43.65): V

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: 44.677 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

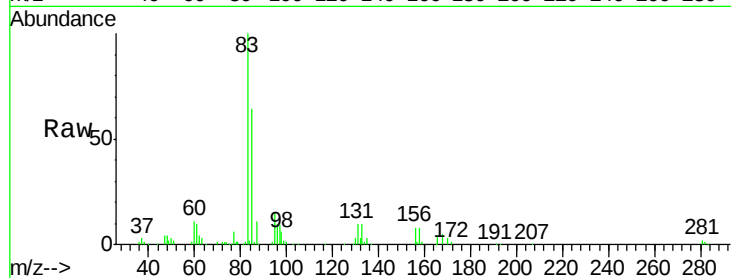
Tot Ion: 83 Resp: 228964

Ion Ratio Lower Upper

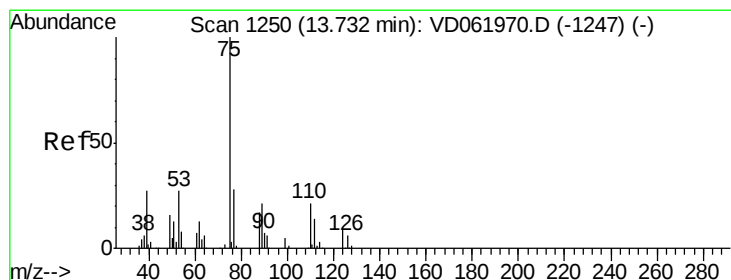
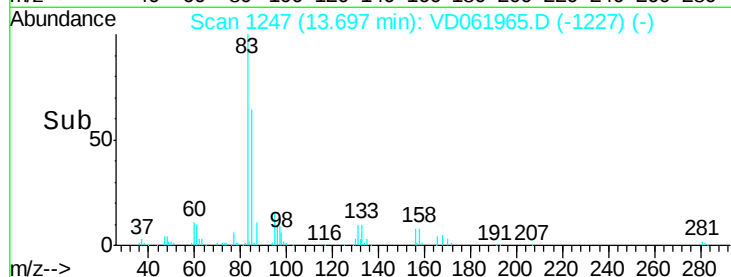
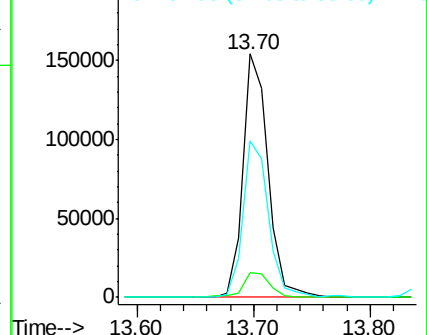
83 100

131 10.4 5.0 14.9

85 64.3 32.6 97.7



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: 46.904 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061965.D

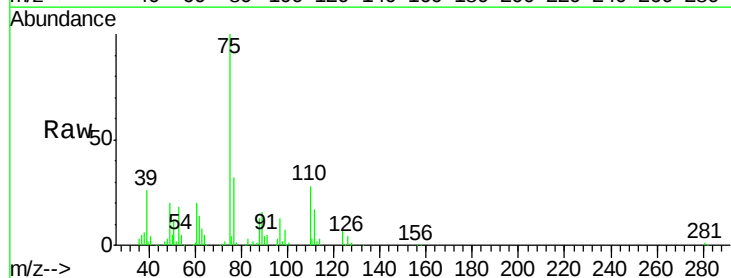
Acq: 23 Apr 2019 11:55

Tgt Ion: 75 Resp: 232211

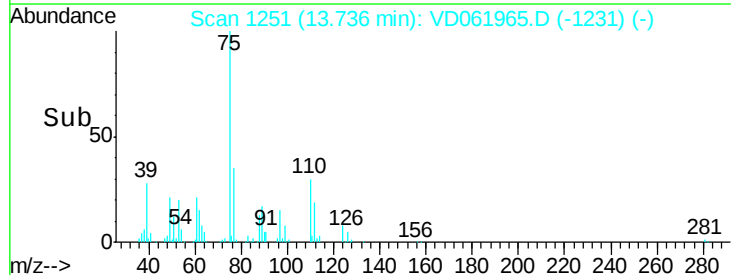
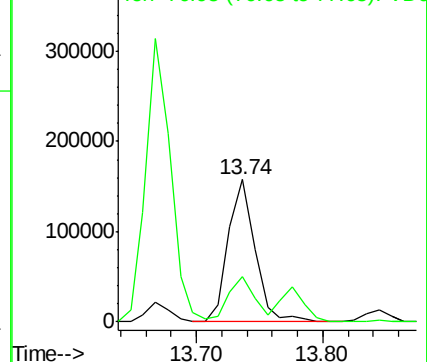
Ion Ratio Lower Upper

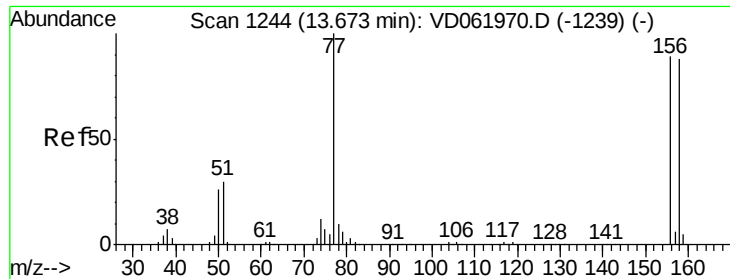
75 100

77 32.4 16.4 49.4



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





#77

Bromobenzene

Concen: 48.136 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

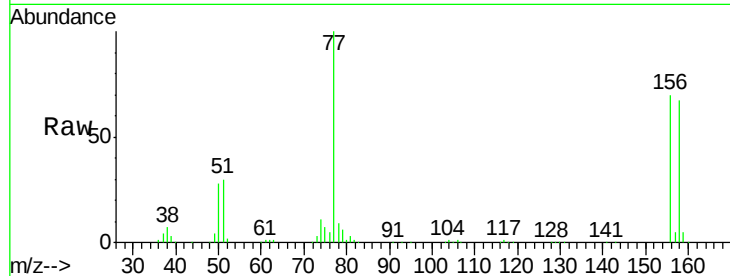
Tot Ion:156 Resp: 336956

Ion Ratio Lower Upper

156 100

77 142.0 53.1 159.4

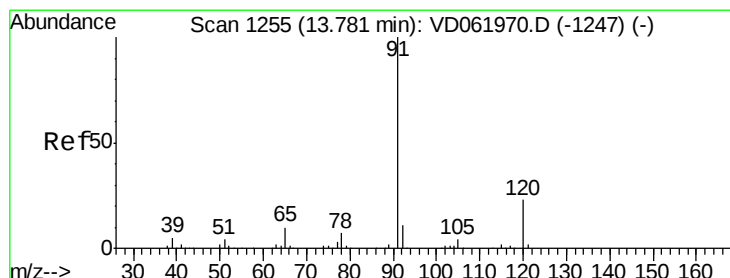
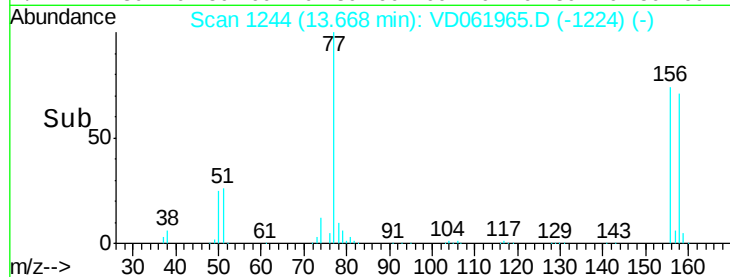
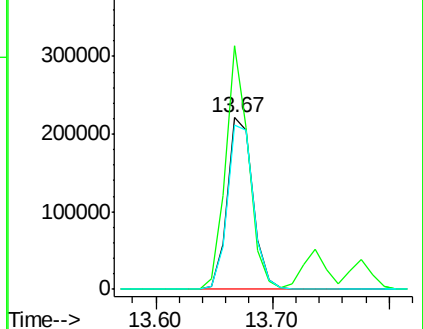
158 95.5 49.4 148.0



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: 46.825 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061965.D

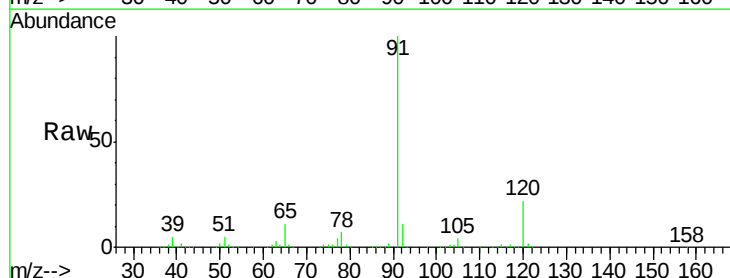
Acq: 23 Apr 2019 11:55

Tgt Ion: 91 Resp: 1321526

Ion Ratio Lower Upper

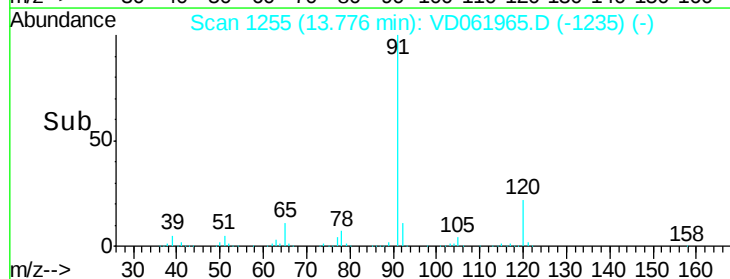
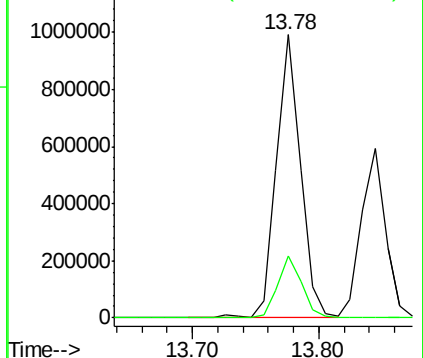
91 100

120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

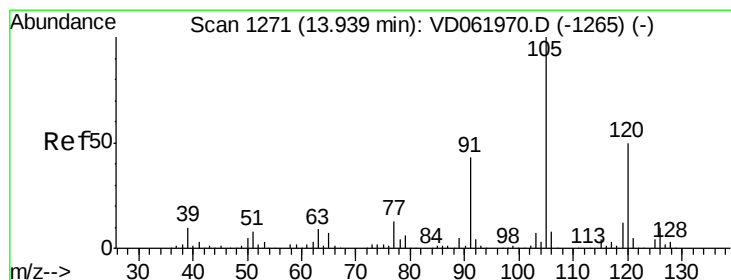
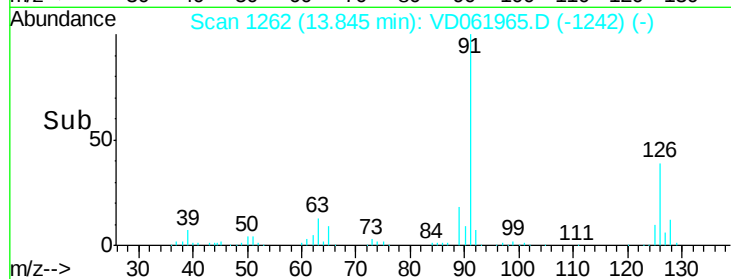
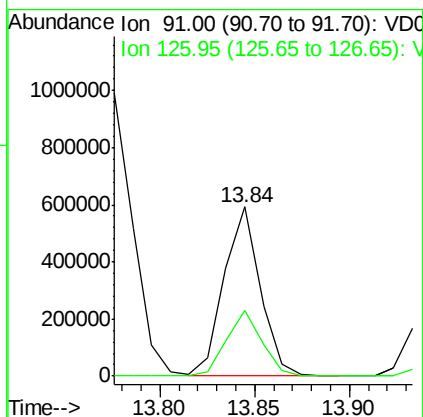
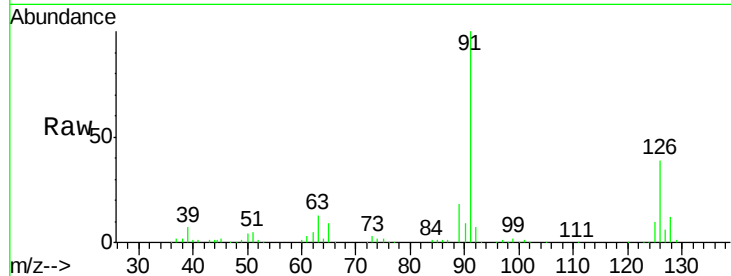




#79
 2-Chlorotoluene
 Concen: 46.455 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

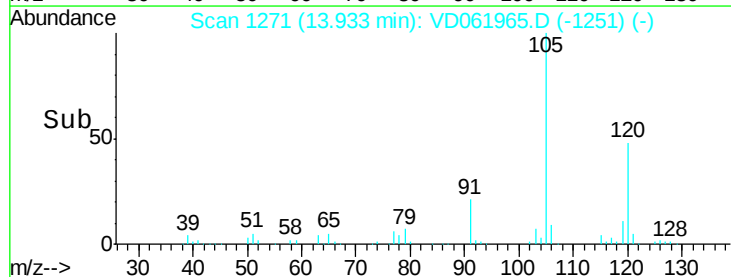
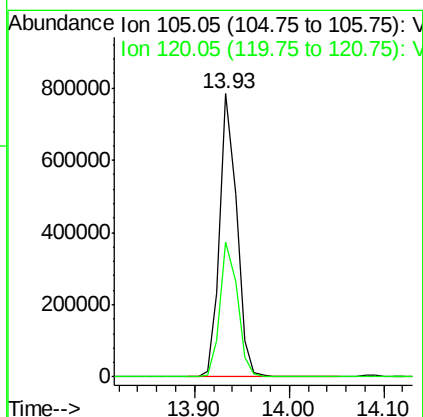
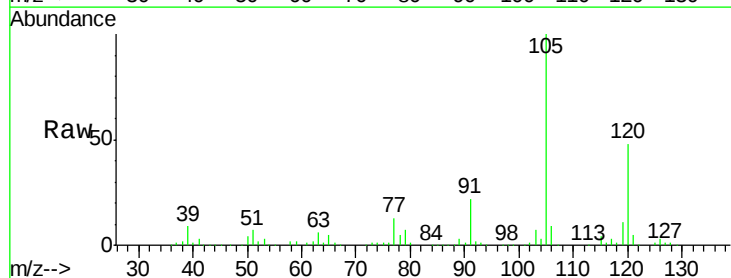
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 783524
 Ion Ratio Lower Upper
 91 100
 126 38.7 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 49.208 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion: 105 Resp: 979274
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.0 72.0

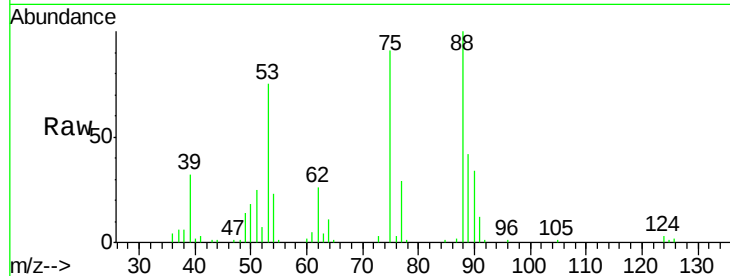




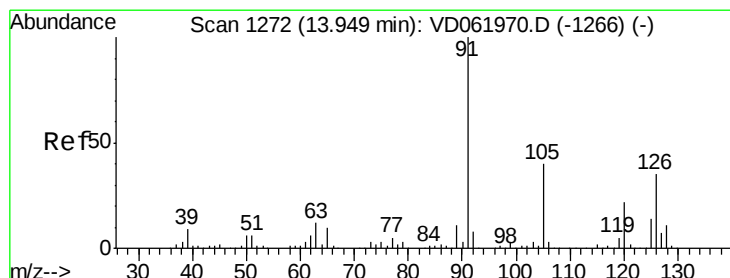
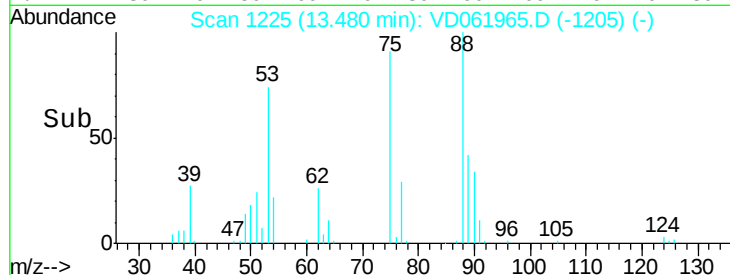
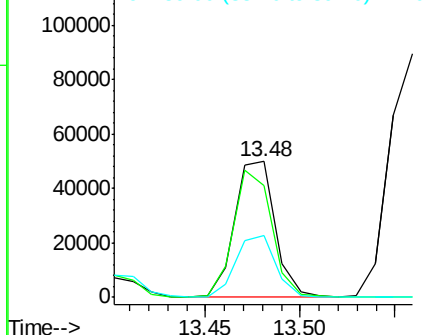
#81
trans-1,4-Dichloro-2-butene
Concen: 50.516 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 73945
Ion Ratio Lower Upper
75 100
53 82.1 65.8 98.8
89 45.9 35.0 52.6

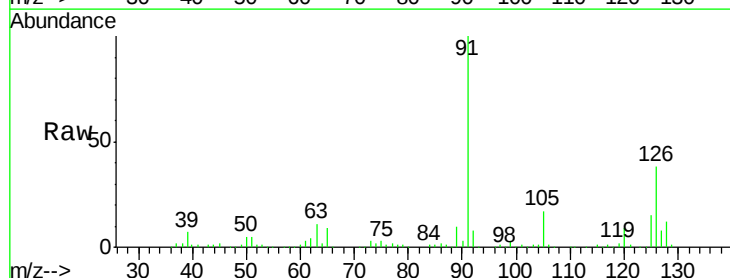


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

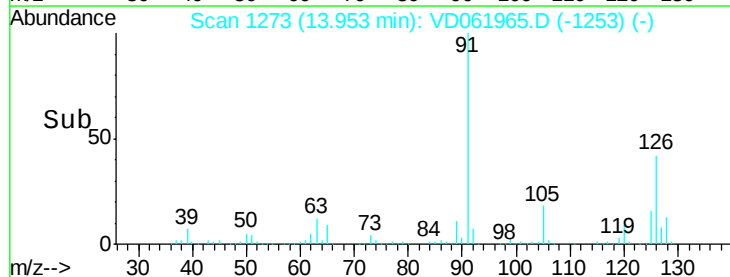
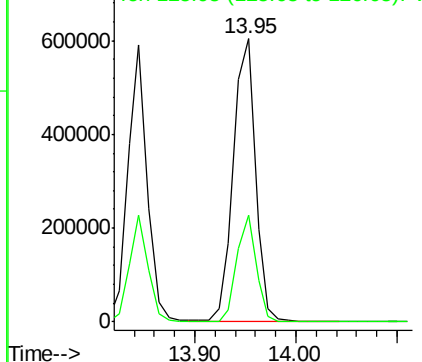


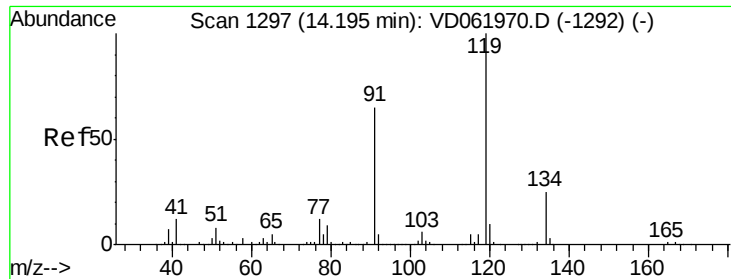
#82
4-Chlorotoluene
Concen: 48.344 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion: 91 Resp: 918724
Ion Ratio Lower Upper
91 100
126 37.9 19.1 57.5



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

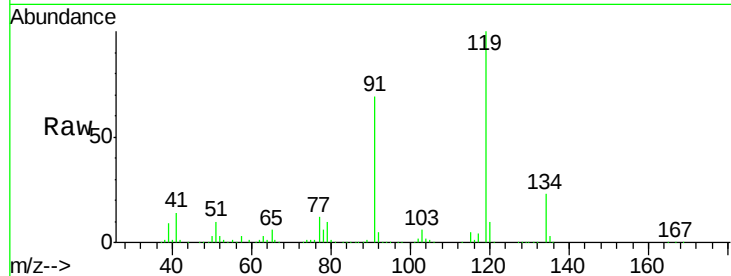




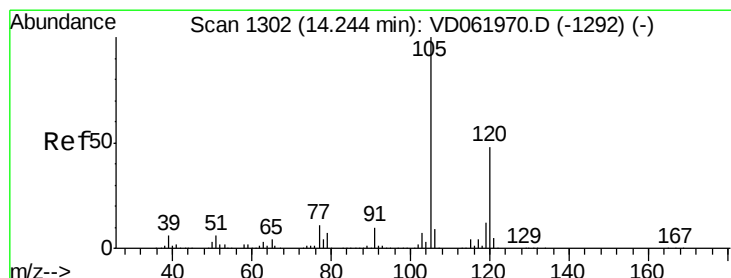
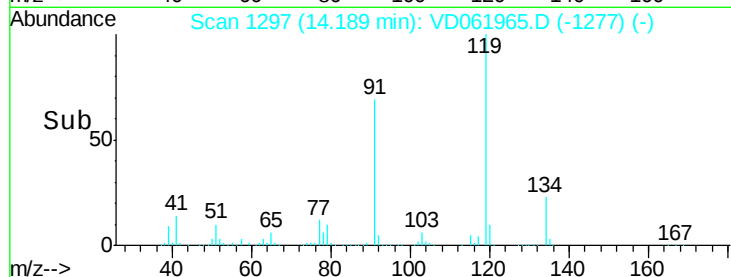
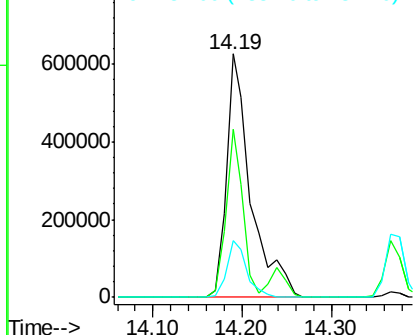
#83
tert-Butylbenzene
Concen: 52.887 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 1194730
Ion Ratio Lower Upper
119 100
91 69.2 34.2 102.6
134 23.2 12.0 36.0

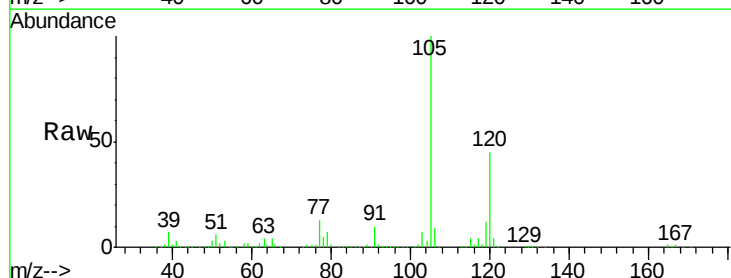


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

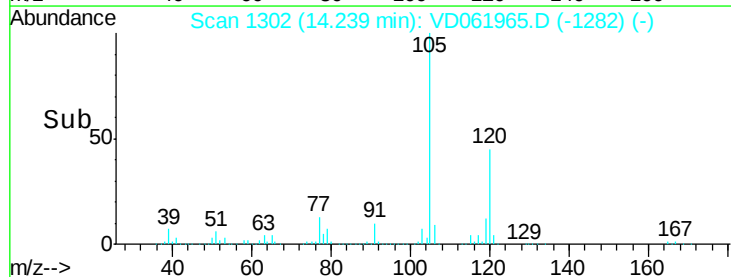
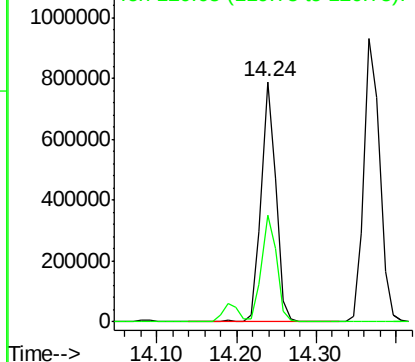


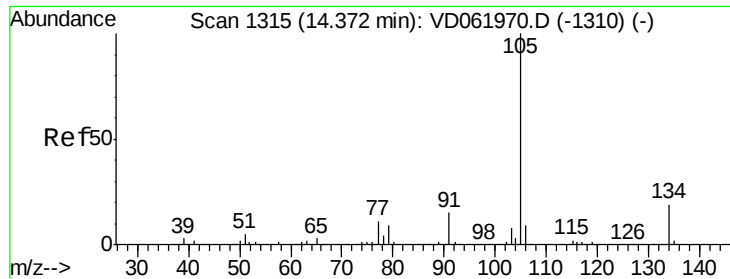
#84
1,2,4-Trimethylbenzene
Concen: 51.076 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion:105 Resp: 996842
Ion Ratio Lower Upper
105 100
120 44.6 23.1 69.2



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

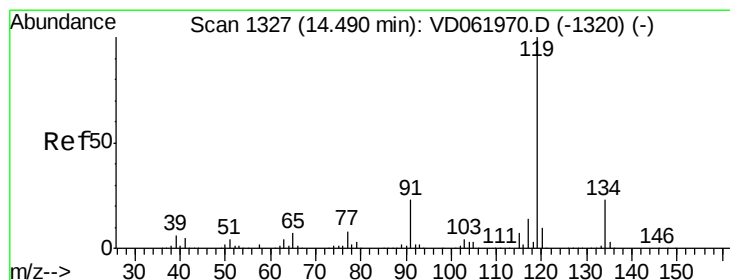
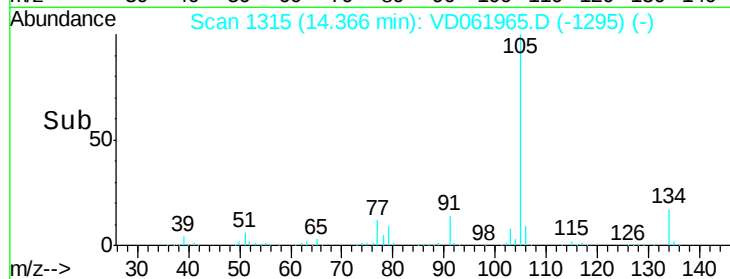
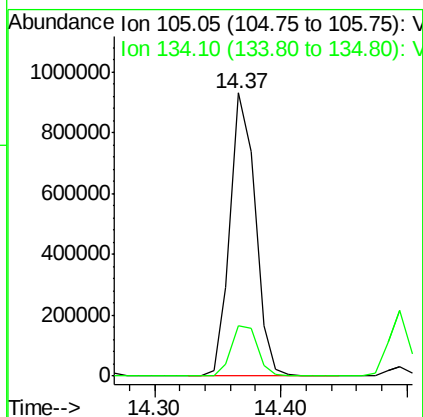
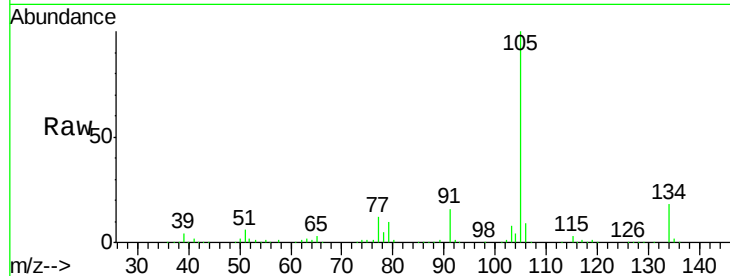




#85
 sec-Butylbenzene
 Concen: 52.783 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

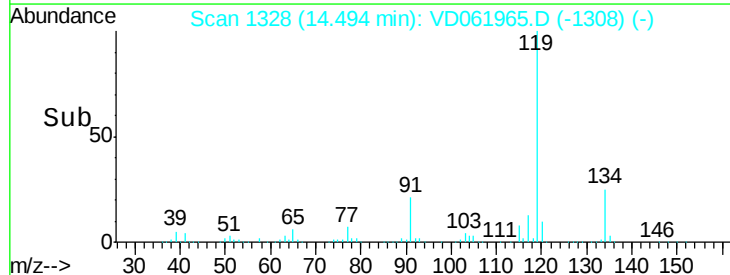
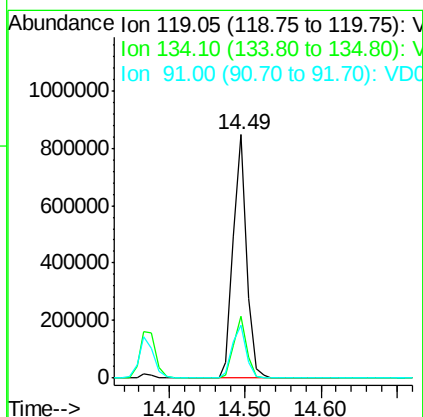
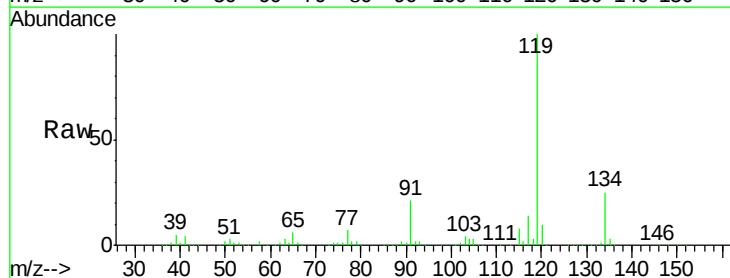
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1283416
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 45.967 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion:119 Resp: 1023312
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 21.5 10.7 32.1

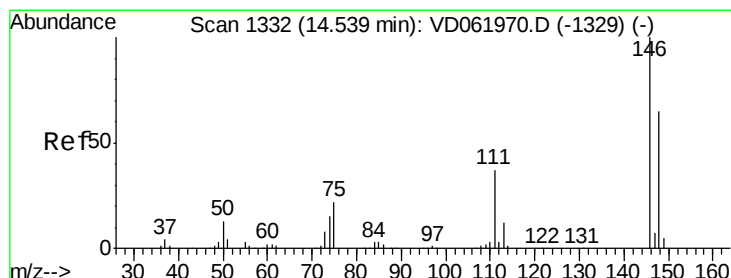
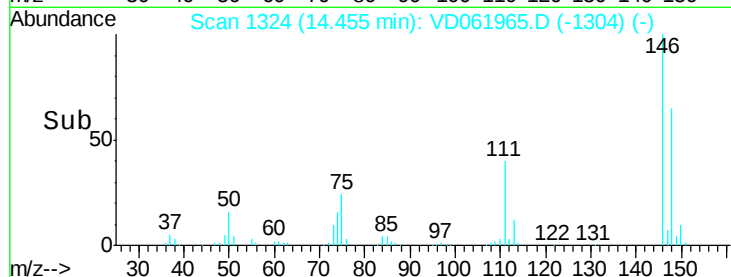
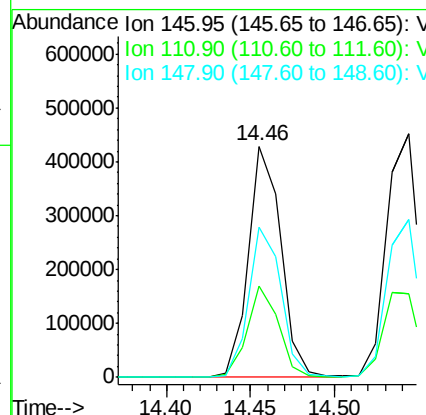
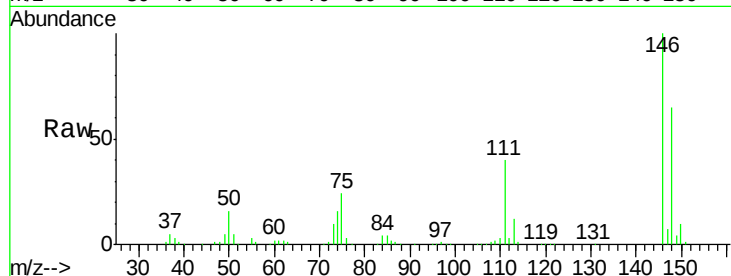




#87
 1,3-Dichlorobenzene
 Concen: 45.589 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

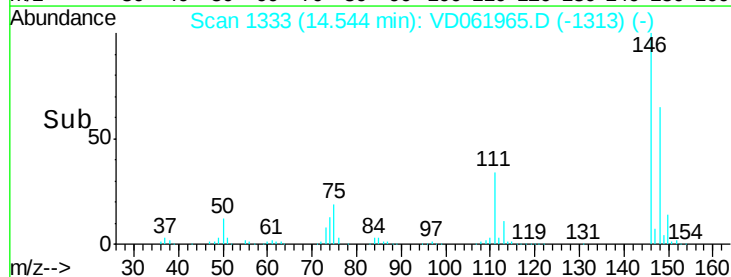
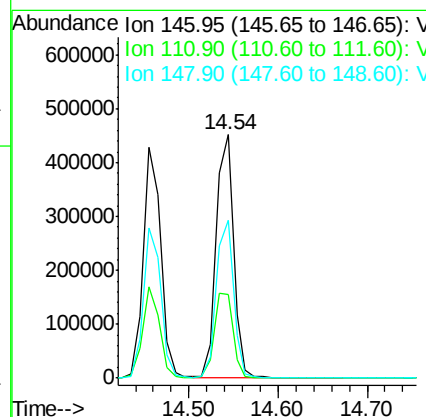
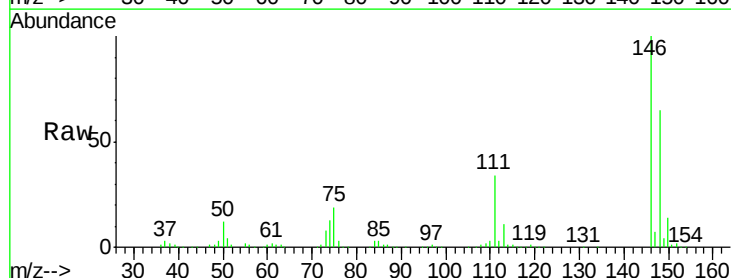
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

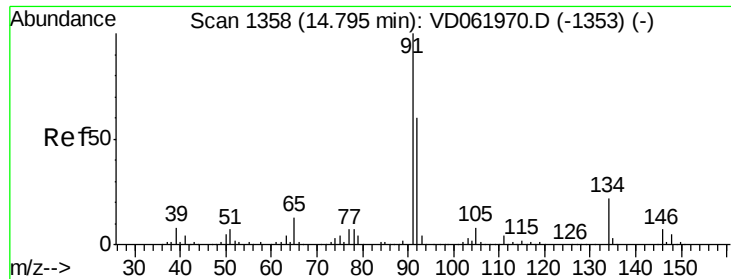
Tot Ion:146 Resp: 577090
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 60.0
 148 64.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.573 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion:146 Resp: 615528
 Ion Ratio Lower Upper
 146 100
 111 34.2 20.2 60.5
 148 64.8 32.0 96.2





#89

n-Butylbenzene

Concen: 47.911 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VD061965.D

Acq: 23 Apr 2019 11:55

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

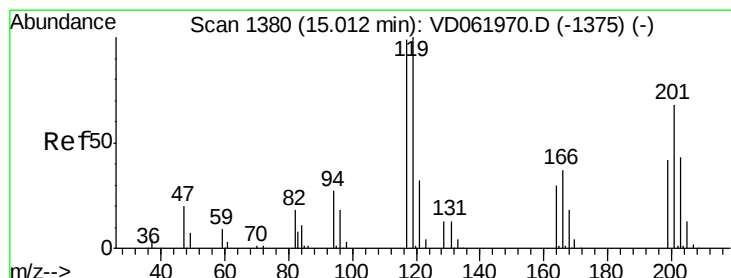
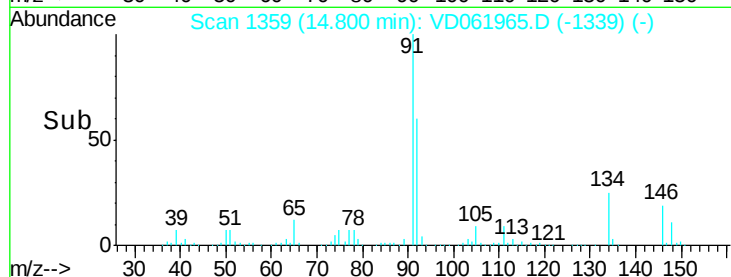
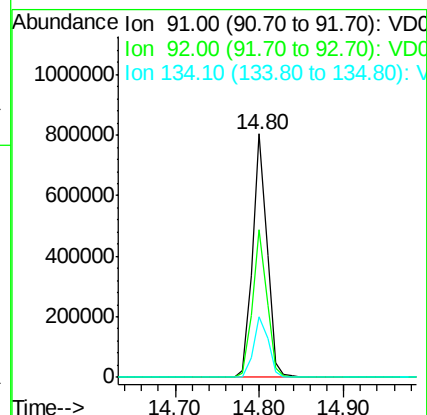
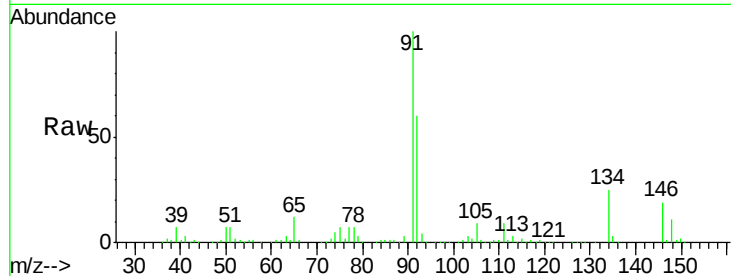
Tot Ion: 91 Resp: 970529

Ion Ratio Lower Upper

91 100

92 60.4 30.3 91.0

134 25.1 14.5 43.6



#90

Hexachloroethane

Concen: 43.375 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD061965.D

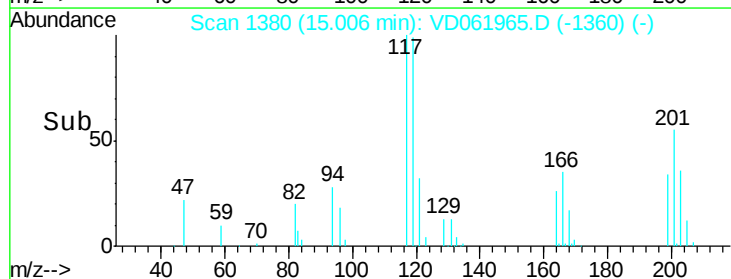
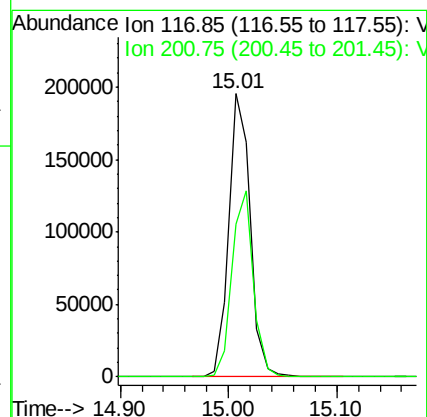
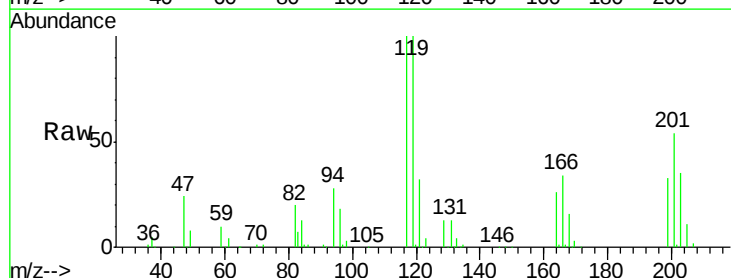
Acq: 23 Apr 2019 11:55

Tgt Ion: 117 Resp: 269673

Ion Ratio Lower Upper

117 100

201 53.8 30.2 90.6

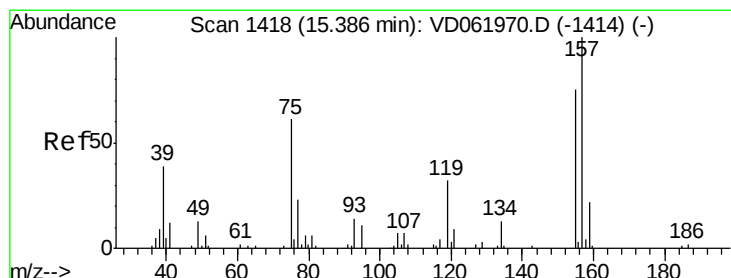
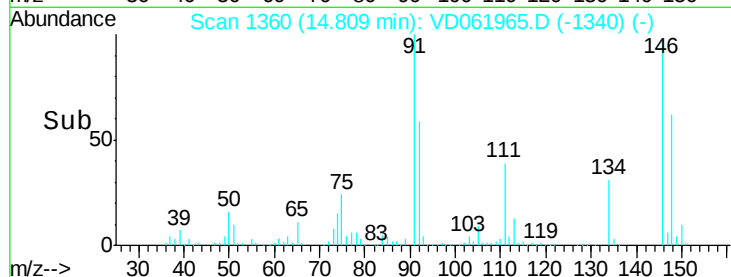
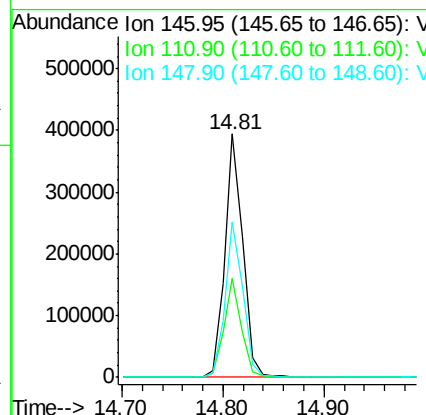
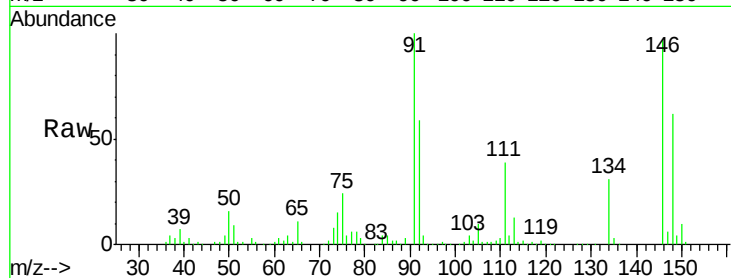




#91
 1,2-Dichlorobenzene
 Concen: 45.088 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

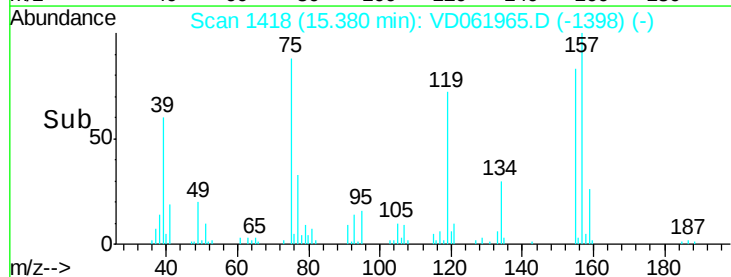
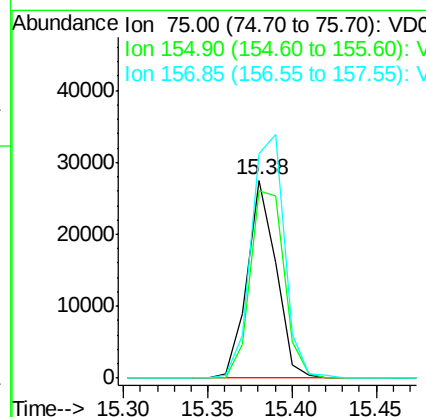
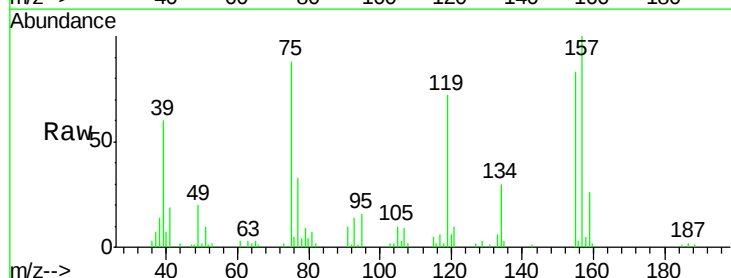
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

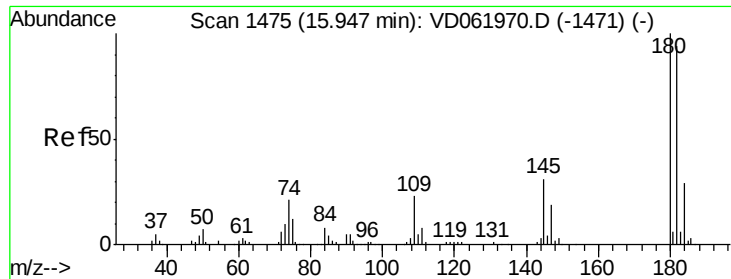
Tot Ion:146 Resp: 489363
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.0 59.9
 148 63.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.135 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion: 75 Resp: 32875
 Ion Ratio Lower Upper
 75 100
 155 94.5 55.3 165.8
 157 113.6 67.8 203.2

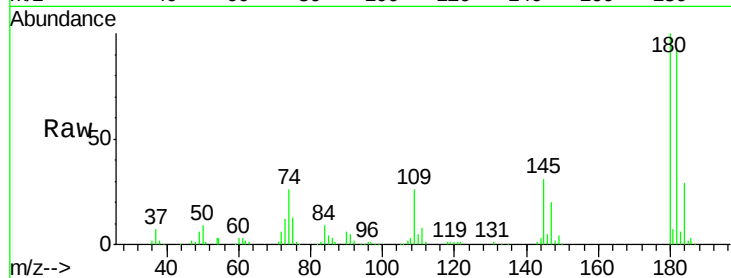




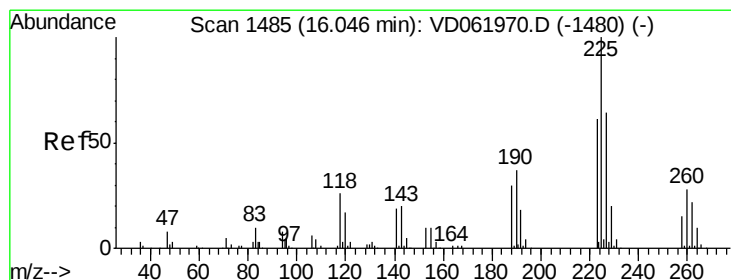
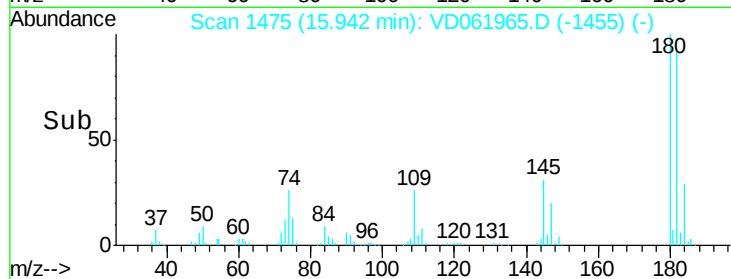
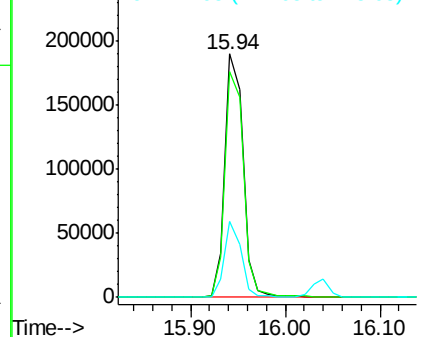
#93
 1,2,4-Trichlorobenzene
 Concen: 46.920 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	49.3	147.8
145	31.2	16.2	48.6

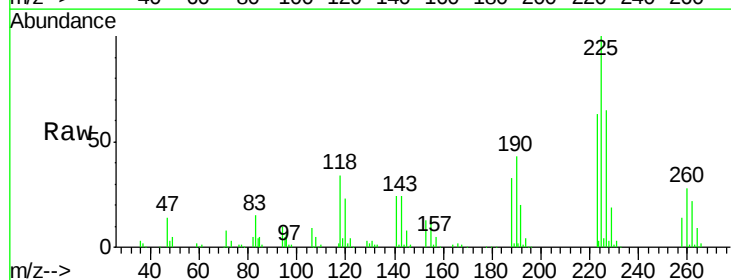


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

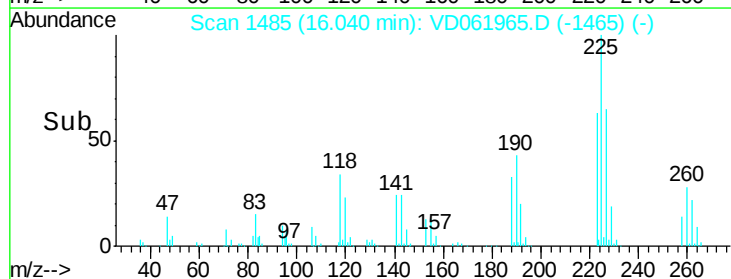
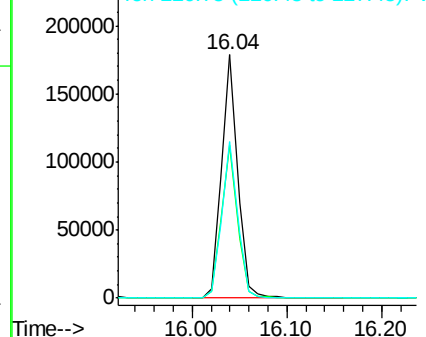


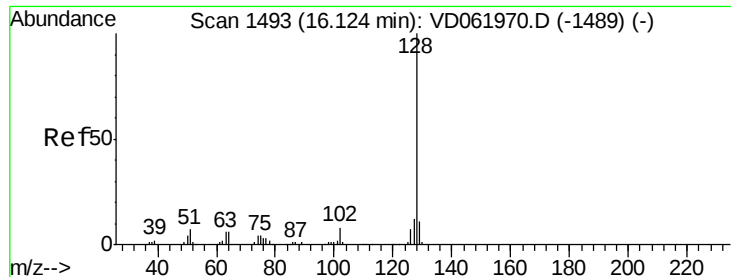
#94
 Hexachlorobutadiene
 Concen: 53.307 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061965.D
 Acq: 23 Apr 2019 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.6	92.0
227	64.5	32.0	96.2



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

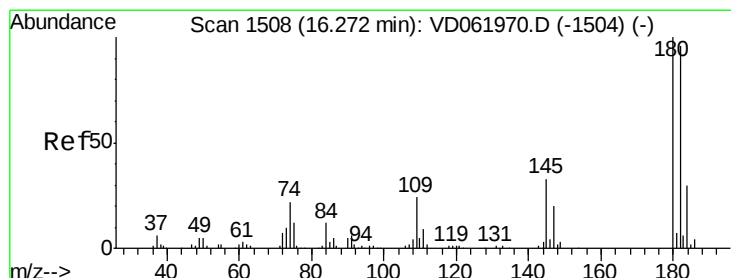
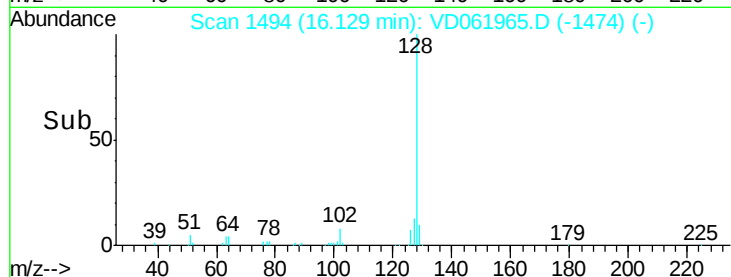
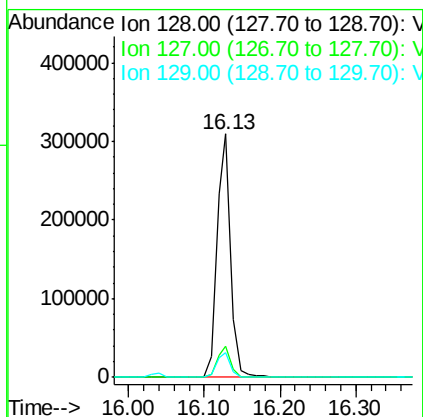
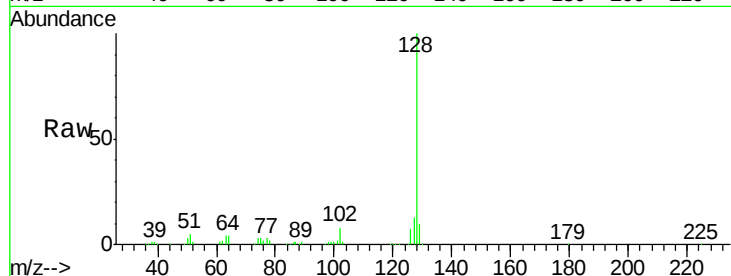




#95
Naphthalene
Concen: 45.108 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 394181
Ion Ratio Lower Upper
128 100
127 12.9 9.8 14.8
129 10.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.558 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061965.D
Acq: 23 Apr 2019 11:55

Tgt Ion:180 Resp: 153062
Ion Ratio Lower Upper
180 100
182 92.3 47.0 141.0
145 34.6 17.0 51.0

